FCC Test Report

FCC ID	:	**VW3DIW362-V2**
Equipment	:	**SET TOP BOX**
Brand Name	:	**SAGEMCOM**
Model Name	:	**DIW362 UHD V2**
Applicant / Manufacturer	:	**Sagemcom Broadband SAS 250, route de l'Empereur 92848 Rueil-Malmaison cedex – France**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Dec. 14, 2018, and testing was started from Dec. 20, 2018 and completed on Feb. 21, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR862116-02AN	01	Initial issue of report	Mar. 11, 2019

Summary of Test Result

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

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

Reviewed by: Jackson Tsai

Report Producer: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX(Port 3)
5.25-5.35GHz	802.11a	20	1TX(Port 3)
5.47-5.725GHz	802.11a	20	1TX(Port 3)
5.725-5.85GHz	802.11a	20	1TX(Port 3)
5.15-5.25GHz	802.11ac VHT20	20	3TX
5.25-5.35GHz	802.11ac VHT20	20	3TX
5.47-5.725GHz	802.11ac VHT20	20	3TX
5.725-5.85GHz	802.11ac VHT20	20	3TX
5.15-5.25GHz	802.11ac VHT40	40	3TX
5.25-5.35GHz	802.11ac VHT40	40	3TX
5.47-5.725GHz	802.11ac VHT40	40	3TX
5.725-5.85GHz	802.11ac VHT40	40	3TX
5.15-5.25GHz	802.11ac VHT80	80	3TX

5.25-5.35GHz	802.11ac VHT80	80	3TX
5.47-5.725GHz	802.11ac VHT80	80	3TX
5.725-5.85GHz	802.11ac VHT80	80	3TX

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	-	-	PCB	N/A
2	-	-	PCB	N/A
3	-	-	PCB	I-PEX
4	-	-	PCB	N/A

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	3.30	5.36	-
2	2	3.55	5.31	-
3	3	3.93	5.41	-
4	4	-	-	3.54

Note 1: The EUT has four antennas.
Note 2: Higher gain antenna 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 mode (1TX/1RX)
Support diversity function and pre-tested on each single chain, the worst case was Ant. 2(port 2) and it was record in this test report.
For IEEE 802.11n mode (3TX/3RX)
Ant. 1 (port 1), Ant. 2 (port 2) and Ant. 3 (port 3) could transmit/receive simultaneously.

For 5 GHz function:
For IEEE 802.11a mode (1TX/1RX)
Support diversity function and pre-tested on each single chain, the worst case was Ant. 3(port 3) and it was record in this test report.
For IEEE 802.11n/ac mode (3TX/3RX)
Ant. 1 (port 1), Ant. 2 (port 2) and Ant. 3 (port 3) could transmit/receive simultaneously.

For Bluetooth function:
For Bluetooth mode (1TX/1RX)
Only Ant. 4 (port 4) can be used as transmitting/receiving antenna.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
EUT Function	☐	Outdoor	☐	Indoor
	☐	Fixed P2P	☒	Client
Beamforming Function	☐	With beamforming	☒	Without beamforming
TPC Function	☒	With TPC Function	☐	Without TPC Function
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.952	0.214	2.067m	1k
802.11ac VHT20	0.987	0.057	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.971	0.128	956.25u	3k
802.11ac VHT80	0.947	0.237	464.063u	3k

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

1.2 Testing Applied Standards

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Lego	21°C / 55%	26/Dec/2018
RF Conducted	TH06-HY	Streak	23.6°C / 62%	21/Feb/2019
Radiated	03CH03-HY	Terry	25°C / 57%	29/Dec/2018

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.54 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	accessMTool_REL_3_0_0_3

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX(Port3)	-
5180MHz	72
5200MHz	73
5240MHz	74
5260MHz	71
5300MHz	72
5320MHz	72
5500MHz	82
5580MHz	82
5700MHz	80
5720MHz Straddle 5.47-5.725GHz	82
5720MHz Straddle 5.725-5.85GHz	82
5745MHz	82
5785MHz	82
5825MHz	82
802.11ac VHT20_Nss1,(MCS0)_3TX	-
5180MHz	53
5200MHz	54
5240MHz	54
5260MHz	52
5300MHz	53
5320MHz	53
5500MHz	59

Mode	Power Setting
5580MHz	60
5700MHz	58
5720MHz Straddle 5.47-5.725GHz	58
5720MHz Straddle 5.725-5.85GHz	58
5745MHz	79
5785MHz	77
5825MHz	76
802.11ac VHT40_Nss1,(MCS0)_3TX	-
5190MHz	50
5230MHz	52
5270MHz	50
5310MHz	50
5510MHz	56
5550MHz	82
5670MHz	69
5710MHz Straddle 5.47-5.725GHz	69
5710MHz Straddle 5.725-5.85GHz	69
5755MHz	77
5795MHz	75
802.11ac VHT80_Nss1,(MCS0)_3TX	-
5210MHz	52
5290MHz	52
5530MHz	62
5610MHz	76
5690MHz Straddle 5.47-5.725GHz	75
5690MHz Straddle 5.725-5.85GHz	75
5775MHz	78

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	Adapter mode

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: Appendix G for Radiated Emission Co-location	
Operating Mode	CTX
2	Bluetooth+WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA862116-02 for Co-location RF Exposure Evaluation.	

2.4 Accessories and Support Equipment

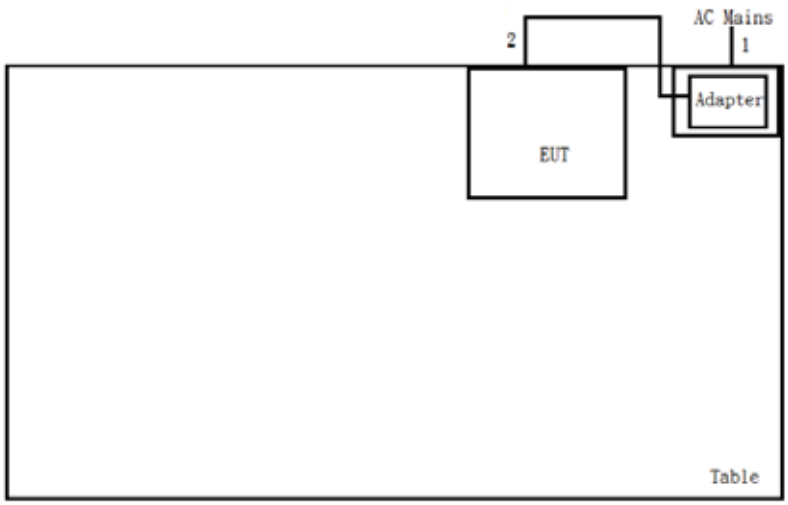
Accessories				
AC Adapter 1	**Brand Name**	SAGEMCOM	**Model Name**	MSA-C2000IS12.0-24N-DE
	Power Rating	I/P: 200-240Vac, 50/60Hz, 0.7A max, O/P: 12Vdc, 2A		
	Power Cord	1.8 meter, non-shielded cable, w/o ferrite core		
AC Adapter 2	**Brand Name**	SAGEMCOM	**Model Name**	MSA-C2000IS12.0-24N-DE
	Manufacturer	MOSO		
	Power Rating	I/P: 200-240Vac, 50/60Hz, 0.7A max, O/P: 12Vdc, 2A		
	Power Cord	1.8 meter, non-shielded cable, w/o ferrite core		
HDMI Cable	**Power Cord**	1.4 meter, 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

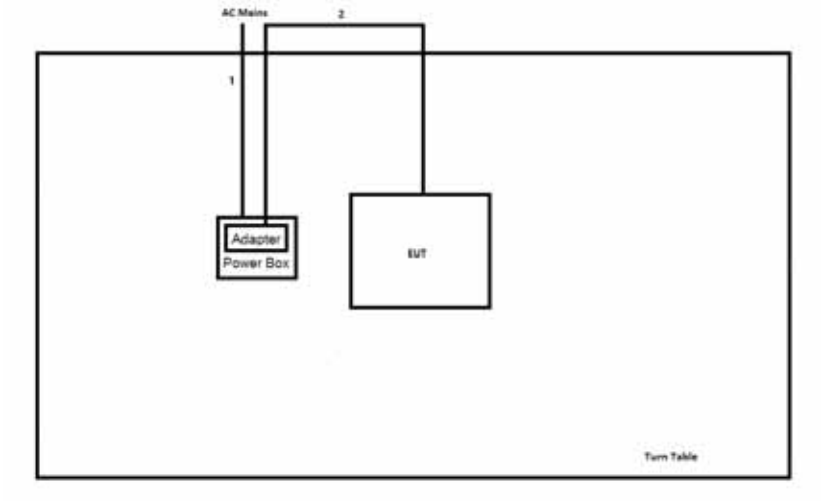
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	AC Power line	No	1.5m
2	DC Power line	No	1.79m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	AC Power line	No	1.8m
2	DC Power line	No	1.79m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

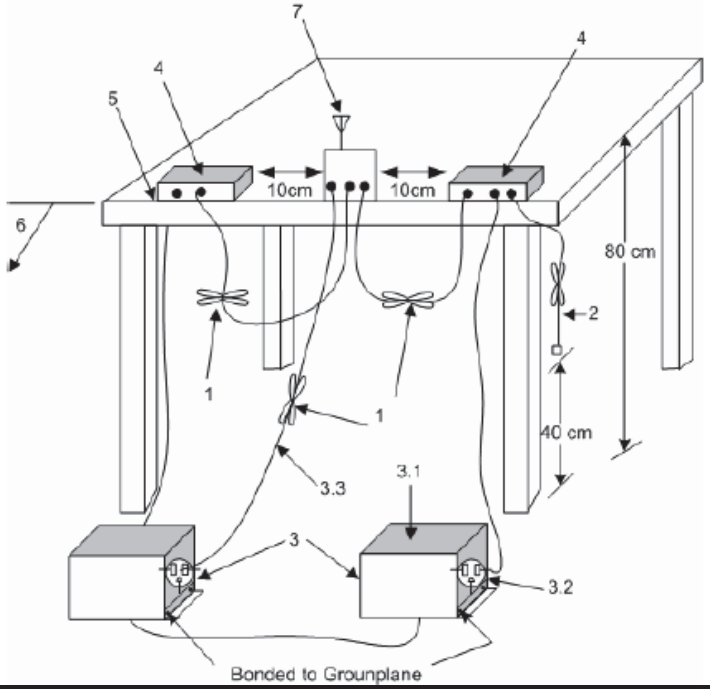
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup

AC Power-line Conducted Emissions



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

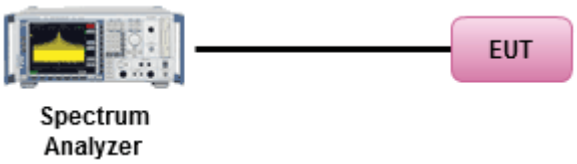
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

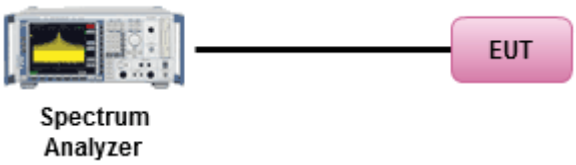
3.3.2 Measuring Instruments

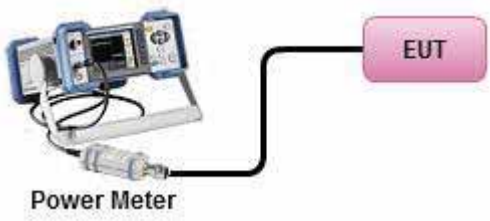
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

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

3.3.4 Test Setup

RF Output Power (Spectrum Analyzer)


RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

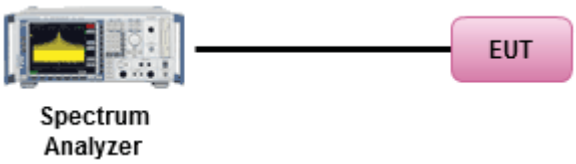
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3
Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT. Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.			

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

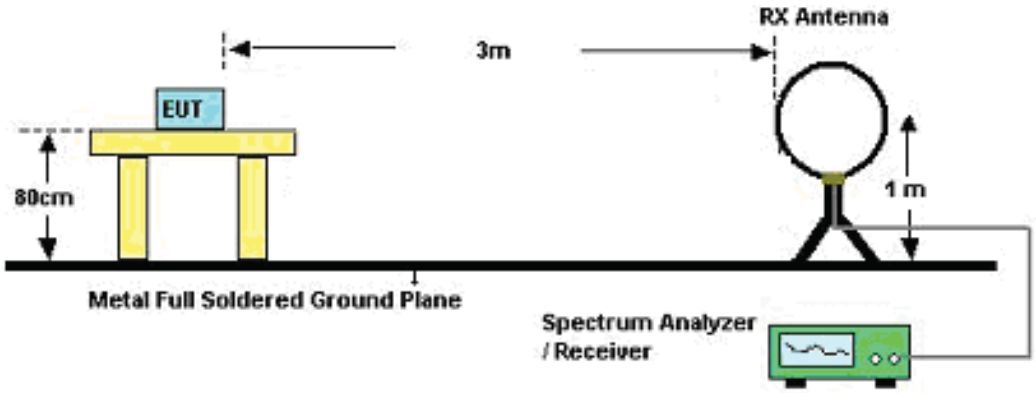
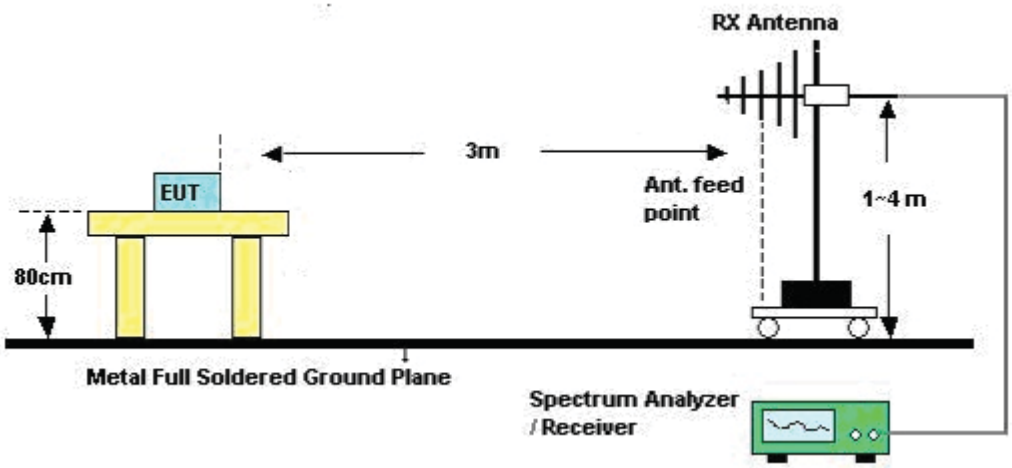
3.5.2 Measuring Instruments

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

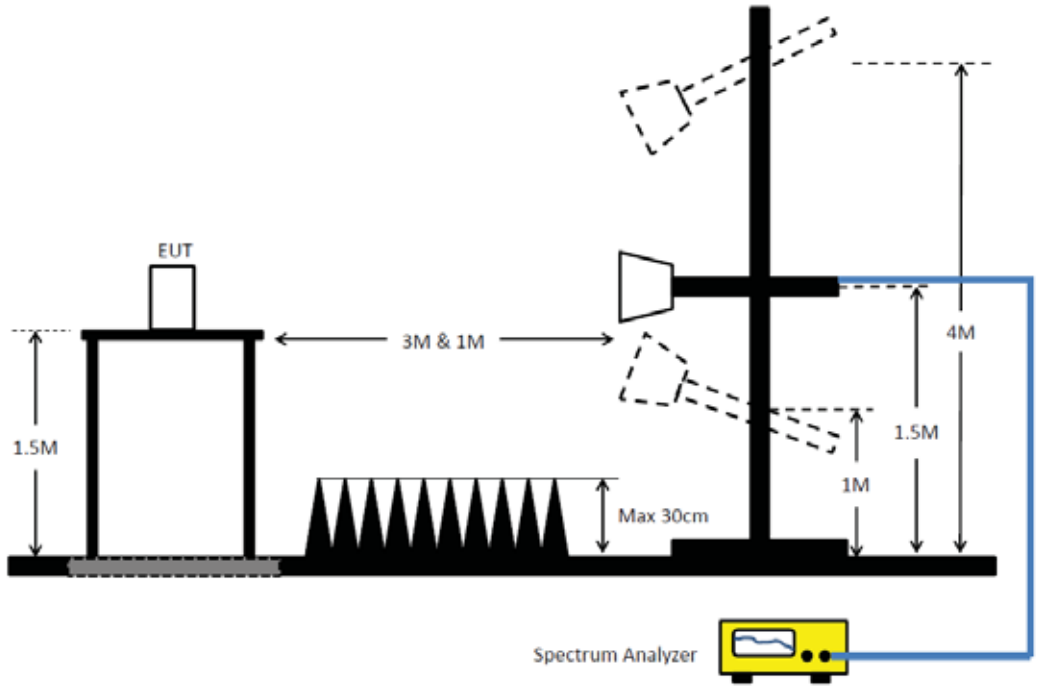
3.5.3 Test Procedures

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

3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR	102051	9KHz ~ 3.6GHz	03/May/2018	02/May/2019
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	08/Nov/2018	07/Nov/2019
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	17/Sep/2018	16/Sep/2019
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2018	11/Oct/2019

NCR : Non-Calibration Require

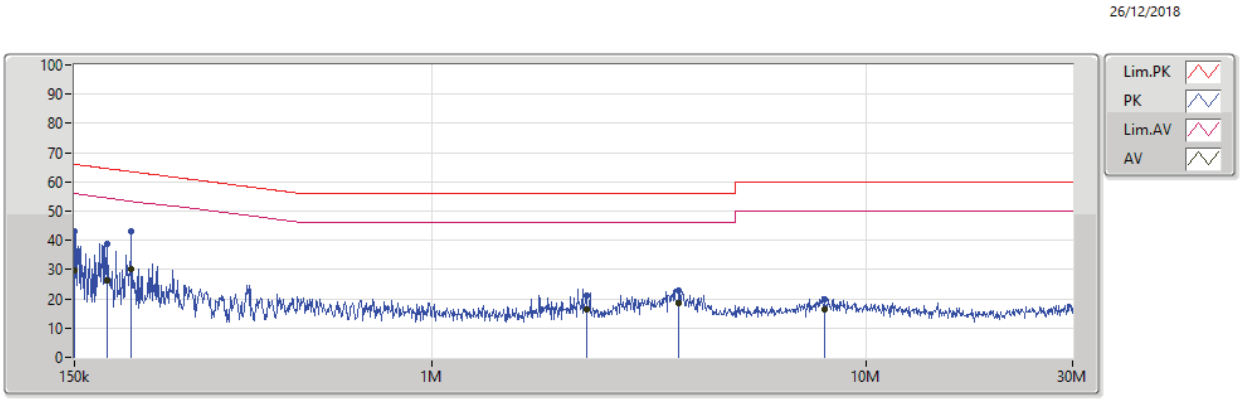
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	30/Oct/2018	29/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	30/Oct/2018	29/Oct/2019
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	23/Apr/2018	19/Apr/2019
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz ~ 26.5GHz	05/Sep/2018	04/Sep/2019
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	10/Apr/2018	09/Apr/2019
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	29/Jan/2018	28/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX 106	CB222	1GHz ~ 40GHz	29/Jan/2018	28/Jan/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	06/Feb/ 2018	05/Feb/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	18/Apr/ 2018	17/Apr/2019
Bilog Antenna with 5dB Pad	ETS	3142B & MTJ6102-05	00022055	26 MHz - 3 GHz	19/Nov/2018	18/Nov/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	28/Mar/2018	27/Mar/2019
RF Cable	HUBER+SUHNER	SUCOFLEX 102	MY2579/2	100 kHz~40 GHz	13/Jun/2018	12/Jun/2019
RF Cable	HUBER+SUHNER	SUCOFLEX 102	MY2580/2	100 kHz~40 GHz	10/May/2018	09/May/2019

Instrument for Conducted Test

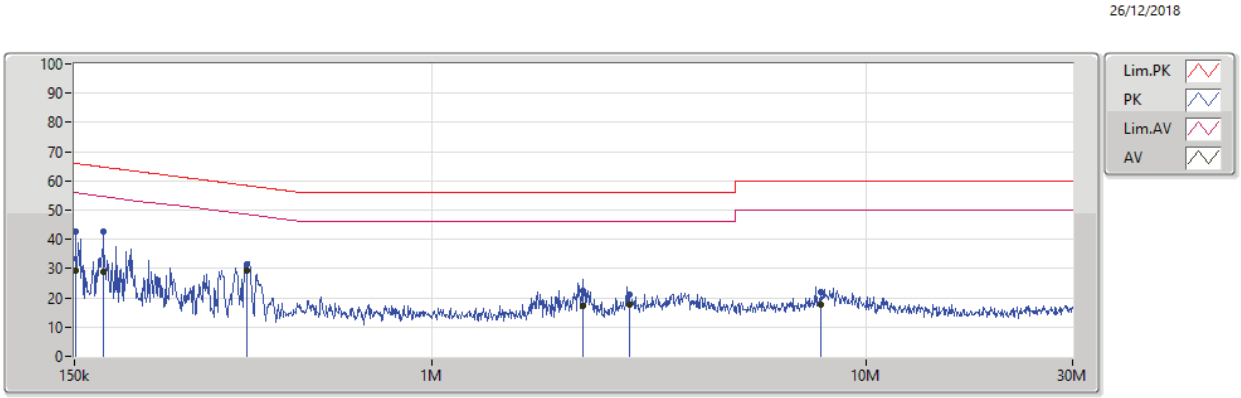
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101029	10Hz~40GHz	11/Sep/2018	10/Sep/2019
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz~1G	11/Jan/2018	10/Jan/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz~1G	10/Jan/2019	09/Jan/2020
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	1G~18G	11/Jan/2018	10/Jan/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	1G~18G	10/Jan/2019	09/Jan/2020
Cable 0.5m	HUBER	MY10714/4	RF Cable – 05	30MHz~1G	11/Jan/2018	10/Jan/2019
Cable 0.5m	HUBER	MY10714/4	RF Cable – 05	30MHz~1G	10/Jan/2019	09/Jan/2020

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



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150.036k	42.89	66.00	-23.11	19.48	Neutral	-	23.41	9.60	0.01	9.87
AV	150.036k	29.74	56.00	-26.26	19.48	Neutral	-	10.26	9.60	0.01	9.87
QP	178.203k	38.60	64.57	-25.97	19.47	Neutral	-	19.13	9.59	0.01	9.87
AV	178.203k	26.33	54.57	-28.24	19.47	Neutral	-	6.86	9.59	0.01	9.87
QP	203.167k	43.17	63.48	-20.31	19.47	Neutral	"Worst"	23.70	9.59	0.01	9.87
AV	203.167k	30.07	53.48	-23.41	19.47	Neutral	-	10.60	9.59	0.01	9.87
QP	2.273M	20.99	56.00	-35.01	19.54	Neutral	-	1.45	9.61	0.04	9.89
AV	2.273M	16.38	46.00	-29.62	19.54	Neutral	-	-3.16	9.61	0.04	9.89
QP	3.707M	22.94	56.00	-33.06	19.54	Neutral	-	3.40	9.61	0.04	9.89
AV	3.707M	18.70	46.00	-27.30	19.54	Neutral	-	-0.84	9.61	0.04	9.89
QP	8.049M	19.65	60.00	-40.35	19.61	Neutral	-	0.04	9.66	0.06	9.89
AV	8.049M	16.53	50.00	-33.47	19.61	Neutral	-	-3.08	9.66	0.06	9.89

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



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150.615k	42.60	65.96	-23.36	19.48	Line	-	23.12	9.60	0.01	9.87
AV	150.615k	29.13	55.96	-26.83	19.48	Line	-	9.65	9.60	0.01	9.87
QP	174.571k	42.86	64.74	-21.88	19.48	Line	-	23.38	9.60	0.01	9.87
AV	174.571k	28.96	54.74	-25.78	19.48	Line	-	9.48	9.60	0.01	9.87
QP	375.169k	31.52	58.39	-26.87	19.48	Line	-	12.04	9.59	0.01	9.88
AV	375.169k	29.23	48.39	-19.16	19.48	Line	"Worst"	9.75	9.59	0.01	9.88
QP	2.228M	22.60	56.00	-33.40	19.54	Line	-	3.06	9.62	0.03	9.89
AV	2.228M	17.28	46.00	-28.72	19.54	Line	-	-2.26	9.62	0.03	9.89
QP	2.861M	20.98	56.00	-35.02	19.56	Line	-	1.42	9.63	0.04	9.89
AV	2.861M	17.78	46.00	-28.22	19.56	Line	-	-1.78	9.63	0.04	9.89
QP	7.869M	22.01	60.00	-37.99	19.61	Line	-	2.40	9.66	0.06	9.89
AV	7.869M	17.78	50.00	-32.22	19.61	Line	-	-1.83	9.66	0.06	9.89

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	26.225M	16.617M	16M6D1D	21.725M	16.592M
802.11ac VHT20_Nss1,(MCS0)_3TX	21.45M	17.766M	17M8D1D	21.05M	17.666M
802.11ac VHT40_Nss1,(MCS0)_3TX	40.25M	36.382M	36M4D1D	39.7M	36.232M
802.11ac VHT80_Nss1,(MCS0)_3TX	81.9M	75.862M	75M9D1D	81.3M	75.462M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	26.325M	16.617M	16M6D1D	25.625M	16.592M
802.11ac VHT20_Nss1,(MCS0)_3TX	21.475M	17.741M	17M7D1D	20.925M	17.666M
802.11ac VHT40_Nss1,(MCS0)_3TX	40.2M	36.332M	36M3D1D	39.6M	36.182M
802.11ac VHT80_Nss1,(MCS0)_3TX	82.1M	75.962M	76M0D1D	81.6M	75.562M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	35.35M	17.141M	17M1D1D	21.63M	13.748M
802.11ac VHT20_Nss1,(MCS0)_3TX	21.55M	17.741M	17M7D1D	15.465M	13.868M
802.11ac VHT40_Nss1,(MCS0)_3TX	61.35M	36.482M	36M5D1D	35.77M	32.989M
802.11ac VHT80_Nss1,(MCS0)_3TX	165.2M	76.162M	76M2D1D	81.5M	72.489M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	16.325M	16.692M	16M7D1D	3.14M	8.476M
802.11ac VHT20_Nss1,(MCS0)_3TX	17.6M	18.341M	18M3D1D	3.72M	4.078M
802.11ac VHT40_Nss1,(MCS0)_3TX	36.3M	36.732M	36M7D1D	3.14M	9.015M
802.11ac VHT80_Nss1,(MCS0)_3TX	75.7M	76.662M	76M7D1D	3.12M	31.064M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX(Port3)	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf					21.725M	16.592M
5200MHz_TnomVnom	Pass	Inf					21.9M	16.592M
5240MHz_TnomVnom	Pass	Inf					26.225M	16.617M
5260MHz_TnomVnom	Pass	Inf					25.625M	16.617M
5300MHz_TnomVnom	Pass	Inf					26.325M	16.592M
5320MHz_TnomVnom	Pass	Inf					26.325M	16.617M
5500MHz_TnomVnom	Pass	Inf					34.925M	16.942M
5580MHz_TnomVnom	Pass	Inf					35.35M	17.141M
5700MHz_TnomVnom	Pass	Inf					33.275M	16.767M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf					21.63M	13.748M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k					3.14M	8.476M
5745MHz_TnomVnom	Pass	500k					16.325M	16.642M
5785MHz_TnomVnom	Pass	500k					16.325M	16.667M
5825MHz_TnomVnom	Pass	500k					16.325M	16.692M
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	21.25M	17.716M	21.05M	17.691M	21.125M	17.666M
5200MHz_TnomVnom	Pass	Inf	21.25M	17.741M	21.225M	17.666M	21.2M	17.691M
5240MHz_TnomVnom	Pass	Inf	21.45M	17.766M	21.1M	17.666M	21.05M	17.716M
5260MHz_TnomVnom	Pass	Inf	21.4M	17.741M	20.95M	17.716M	21.125M	17.716M
5300MHz_TnomVnom	Pass	Inf	21.475M	17.666M	21.075M	17.691M	21.175M	17.716M
5320MHz_TnomVnom	Pass	Inf	21.325M	17.716M	20.925M	17.716M	21.2M	17.691M
5500MHz_TnomVnom	Pass	Inf	21.35M	17.691M	21.225M	17.716M	21.225M	17.666M
5580MHz_TnomVnom	Pass	Inf	21.55M	17.666M	21.05M	17.741M	21.225M	17.691M
5700MHz_TnomVnom	Pass	Inf	21.3M	17.716M	21M	17.691M	21.25M	17.691M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.585M	13.883M	15.465M	13.898M	15.495M	13.868M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.74M	4.078M	3.72M	4.078M	3.74M	4.138M
5745MHz_TnomVnom	Pass	500k	17.15M	17.841M	17.55M	18.341M	17.525M	17.791M
5785MHz_TnomVnom	Pass	500k	17.55M	17.841M	17.55M	17.966M	17.575M	17.791M
5825MHz_TnomVnom	Pass	500k	17.6M	17.816M	17.6M	17.916M	17.575M	17.741M
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	40.2M	36.282M	39.75M	36.382M	39.8M	36.282M
5230MHz_TnomVnom	Pass	Inf	40.25M	36.232M	39.7M	36.282M	40.05M	36.332M
5270MHz_TnomVnom	Pass	Inf	40.1M	36.282M	39.85M	36.332M	39.95M	36.282M
5310MHz_TnomVnom	Pass	Inf	40.2M	36.182M	39.6M	36.232M	39.85M	36.232M
5510MHz_TnomVnom	Pass	Inf	40.35M	36.332M	39.75M	36.282M	39.65M	36.282M
5550MHz_TnomVnom	Pass	Inf	58.6M	36.382M	61.35M	36.332M	49M	36.382M
5670MHz_TnomVnom	Pass	Inf	58.65M	36.482M	44.6M	36.332M	49.05M	36.382M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	42.525M	32.989M	35.77M	33.058M	36.75M	33.023M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.24M	9.015M	3.14M	9.695M	3.16M	9.655M
5755MHz_TnomVnom	Pass	500k	35.95M	36.532M	35.9M	36.732M	36.3M	36.532M
5795MHz_TnomVnom	Pass	500k	35.9M	36.382M	36.25M	36.532M	35.85M	36.382M
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	Inf	81.6M	75.462M	81.9M	75.662M	81.3M	75.862M

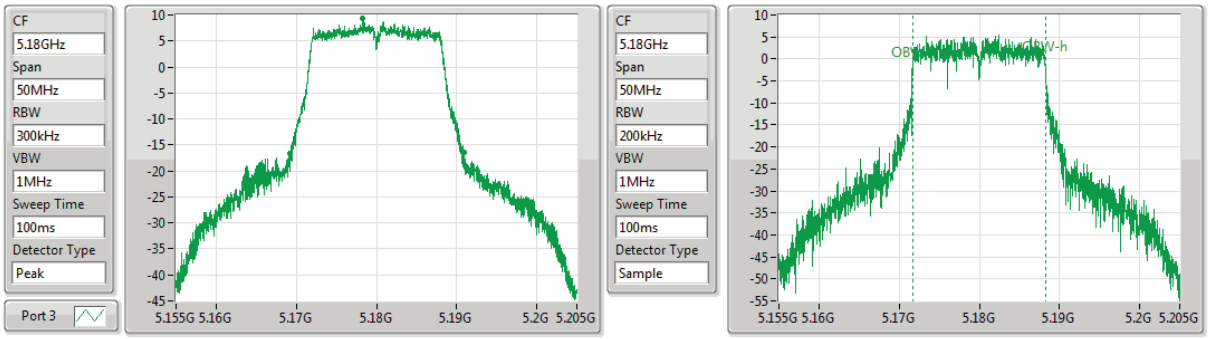
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)
5290MHz_TnomVnom	Pass	Inf	82.1M	75.562M	82M	75.762M	81.6M	75.962M
5530MHz_TnomVnom	Pass	Inf	82.4M	75.662M	81.7M	75.662M	81.5M	75.862M
5610MHz_TnomVnom	Pass	Inf	153.5M	76.162M	165.2M	76.062M	134.5M	76.062M
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	108.6M	72.564M	105.45M	72.639M	91.5M	72.489M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.14M	31.524M	3.12M	31.064M	3.14M	31.384M
5775MHz_TnomVnom	Pass	500k	75.1M	76.062M	75.2M	76.662M	75.7M	76.062M

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

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

5180MHz

21/02/2019

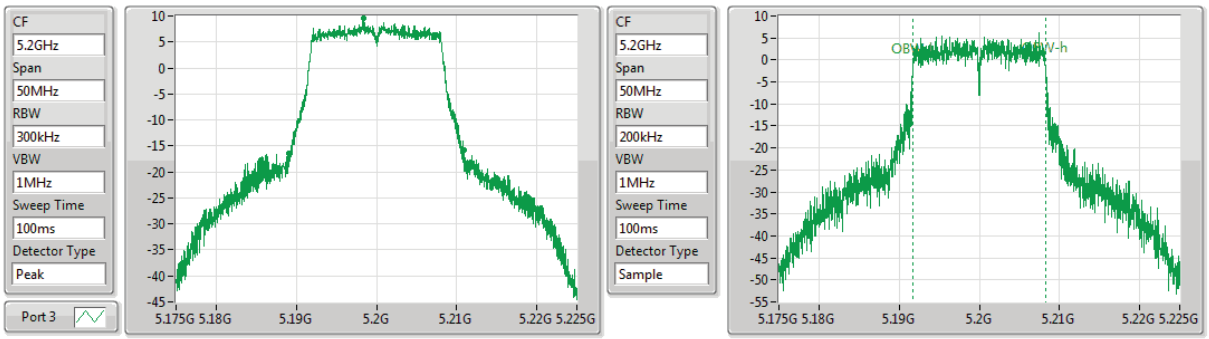


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.16925G	5.190975G	16.592M	5.171704G	5.188296G	Inf	3

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

5200MHz

21/02/2019

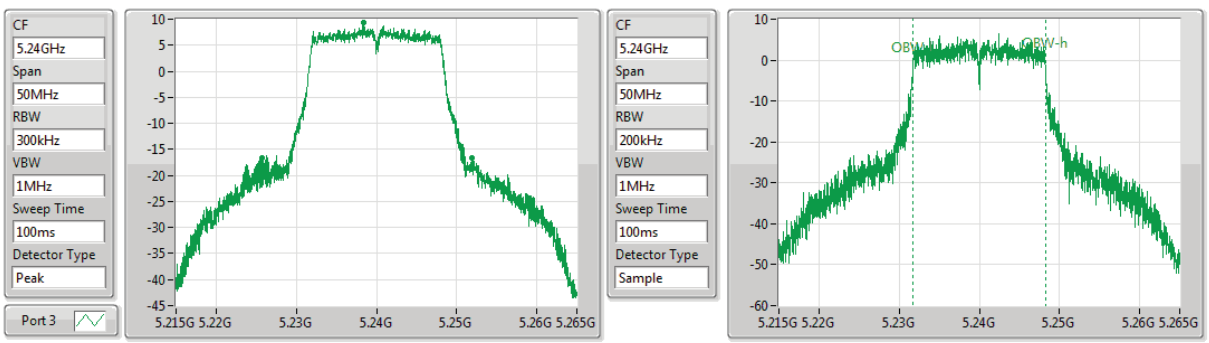


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	5.1891G	5.211G	16.592M	5.191679G	5.208271G	Inf	3

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

5240MHz

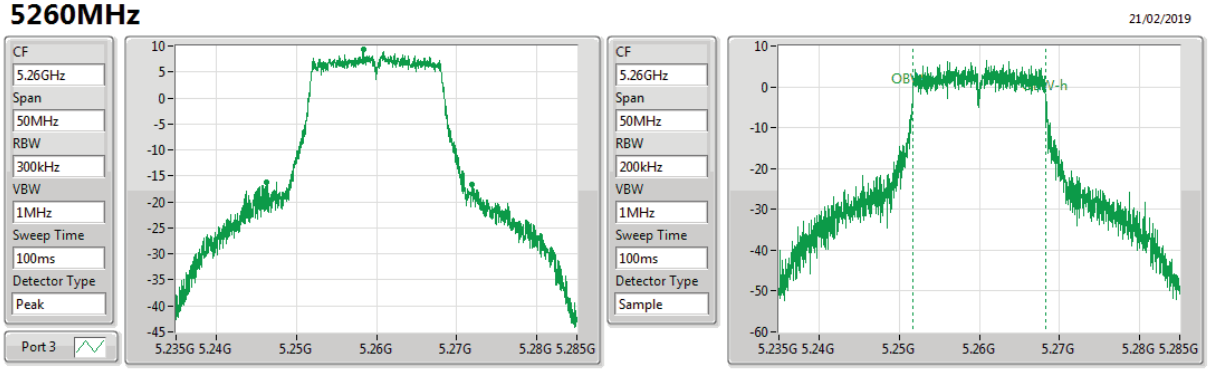
21/02/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.225M	5.225725G	5.25195G	16.617M	5.231679G	5.248296G	Inf	3

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

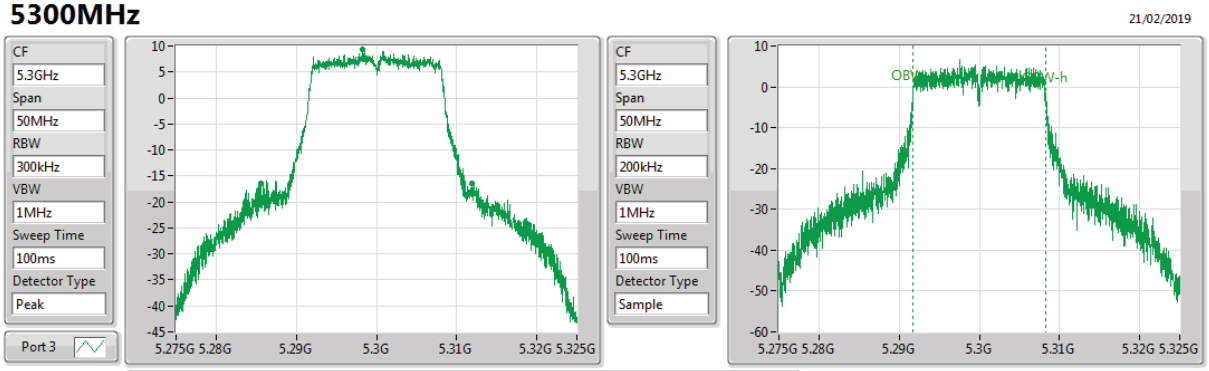
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.625M	5.24635G	5.271975G	16.617M	5.251679G	5.268296G	Inf	3

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

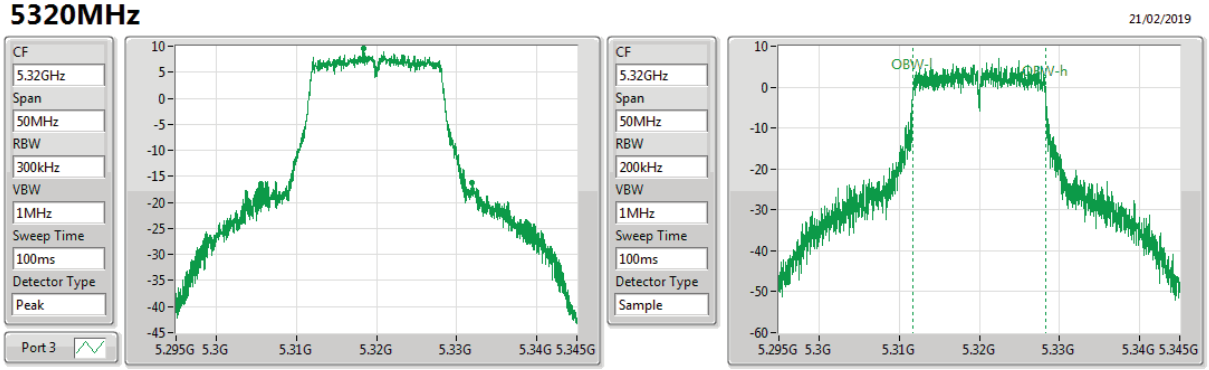
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.325M	5.28565G	5.311975G	16.592M	5.291704G	5.308296G	Inf	3

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

5320MHz

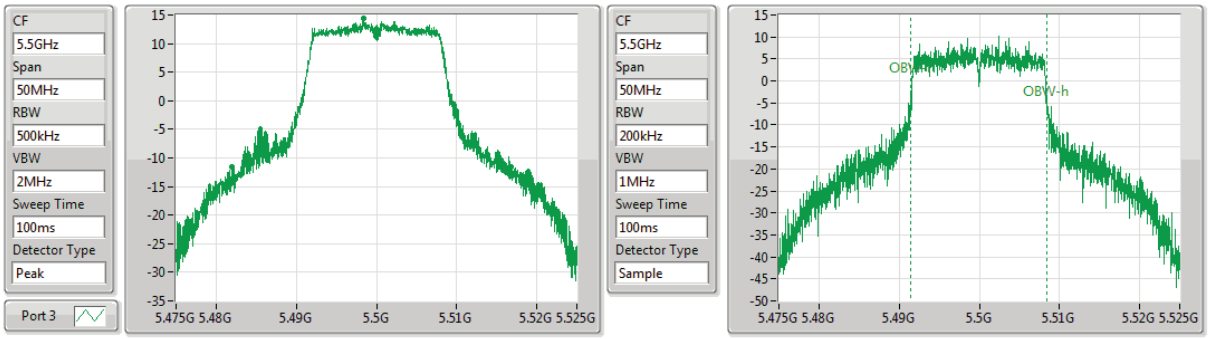


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.325M	5.3056G	5.331925G	16.617M	5.311654G	5.328271G	Inf	3

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

5500MHz

07/01/2019

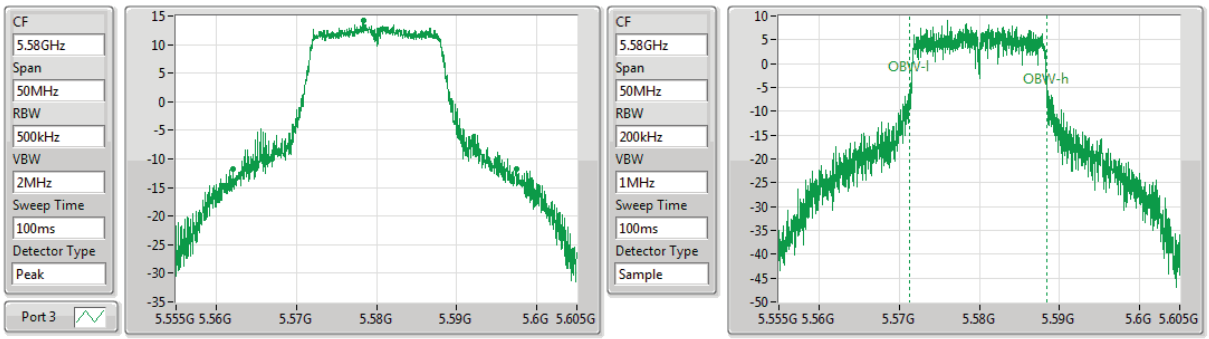


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.925M	5.481925G	5.51685G	16.942M	5.491454G	5.508396G	Inf	3

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

5580MHz

07/01/2019

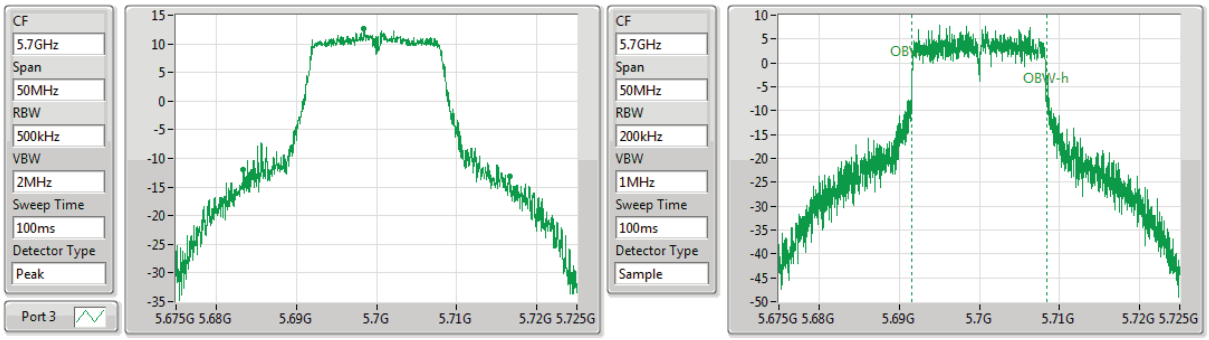


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.35M	5.562075G	5.597425G	17.141M	5.571354G	5.588496G	Inf	3

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

5700MHz

07/01/2019

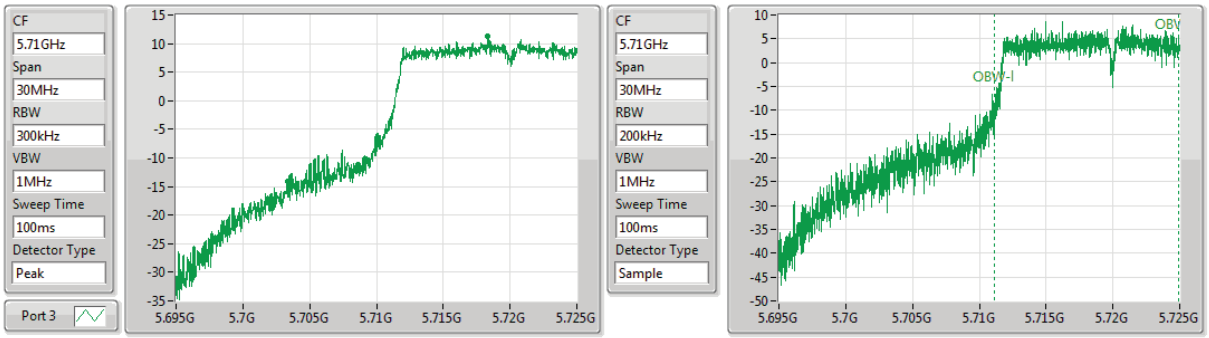


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.275M	5.68335G	5.716625G	16.767M	5.691629G	5.708396G	Inf	3

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

5720MHz Straddle 5.47-5.725GHz

07/01/2019

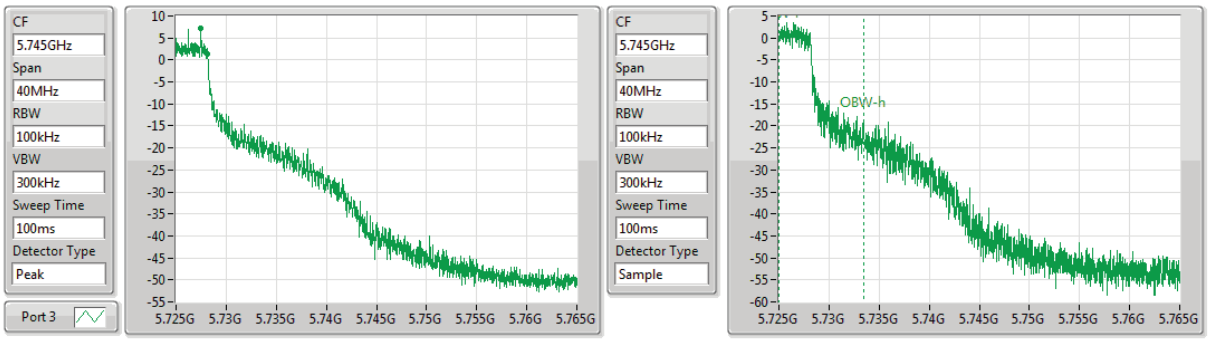


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.63M	5.70337G	5.725G	13.748M	5.711169G	5.724918G	Inf	3

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

5720MHz Straddle 5.725-5.85GHz

07/01/2019

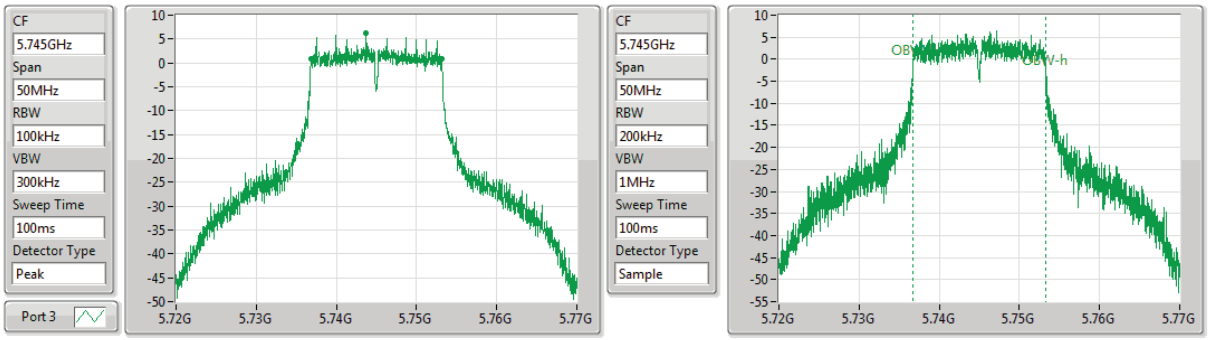


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	8.476M	5.72501G	5.733486G	500k	3

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

5745MHz

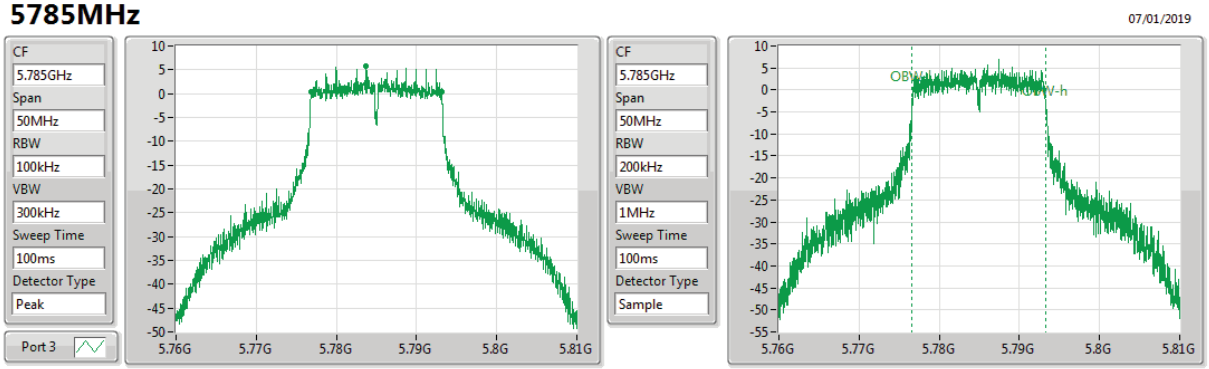
07/01/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.736825G	5.75315G	16.642M	5.736679G	5.753321G	500k	3

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

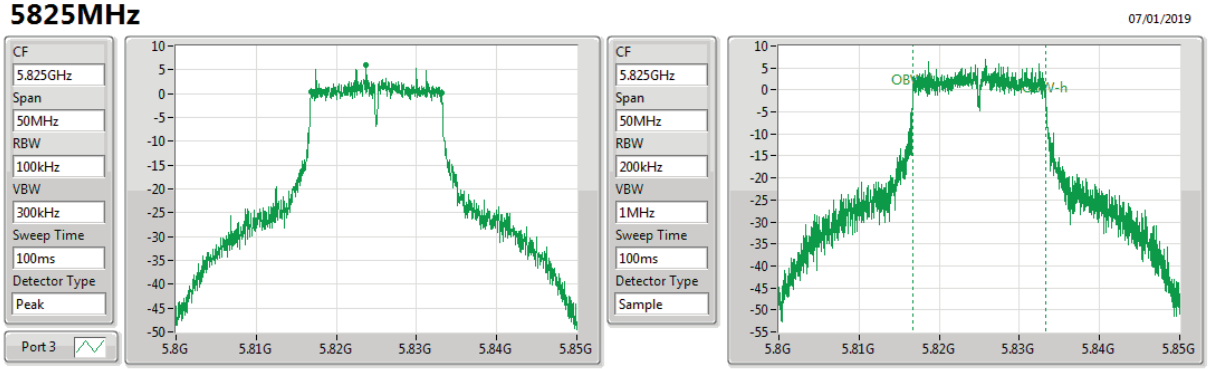
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.776825G	5.79315G	16.667M	5.776629G	5.793296G	500k	3

802.11a_Nss1,(6Mbps)_1TX(Port3) EBW

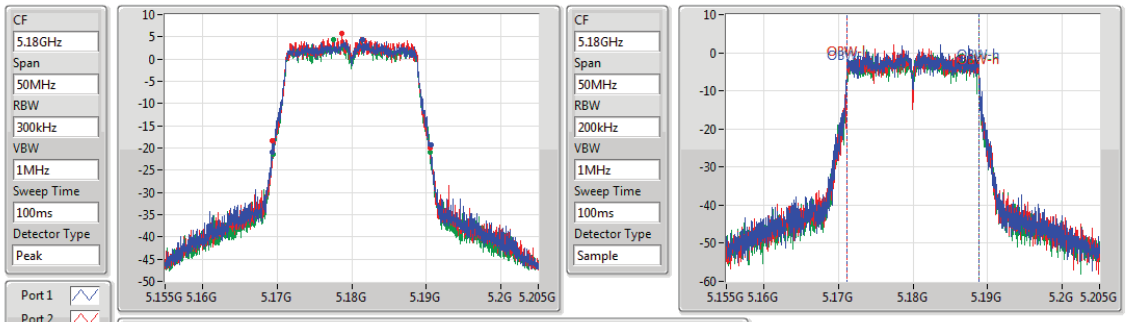
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.816825G	5.83315G	16.692M	5.816654G	5.833346G	500k	3

802.11ac VHT20_Nss1,(MCS0)_3TX EBW

5180MHz



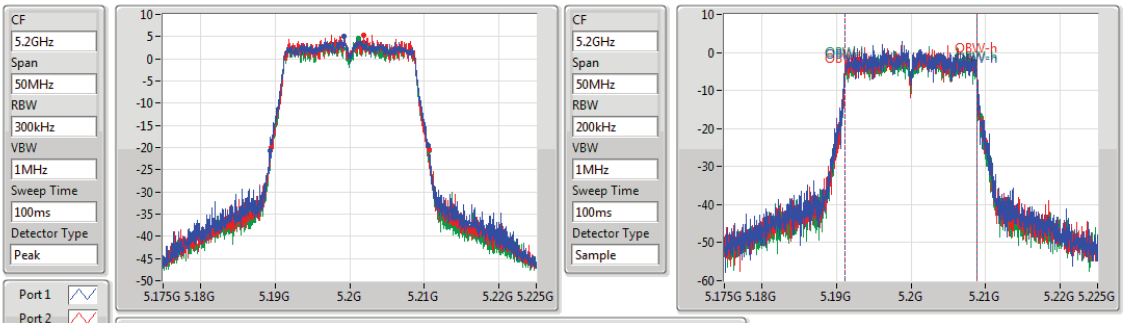
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.25M	5.16935G	5.1906G	17.716M	5.171129G	5.188846G	Inf	1
21.05M	5.1694G	5.19045G	17.691M	5.171154G	5.188846G	Inf	2
21.125M	5.169425G	5.19055G	17.666M	5.171154G	5.188821G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

5200MHz

21/02/2019



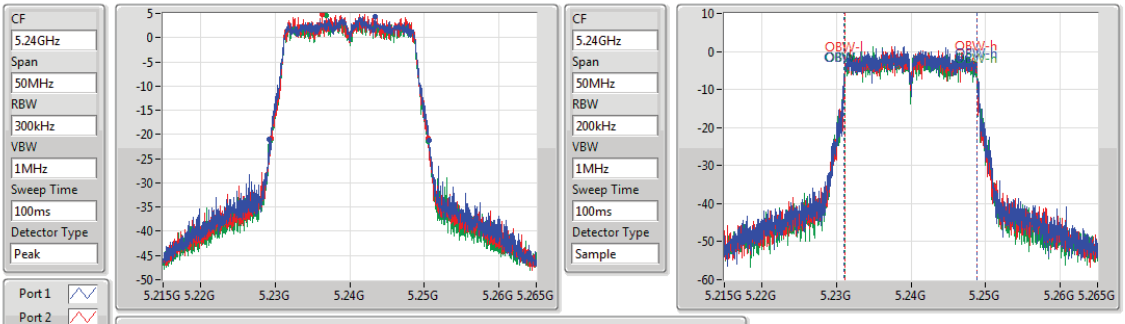
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.25M	5.189325G	5.210575G	17.741M	5.191104G	5.208846G	Inf	1
21.225M	5.189475G	5.2107G	17.666M	5.191129G	5.208796G	Inf	2
21.2M	5.1895G	5.2107G	17.691M	5.191129G	5.208821G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

5240MHz

21/02/2019



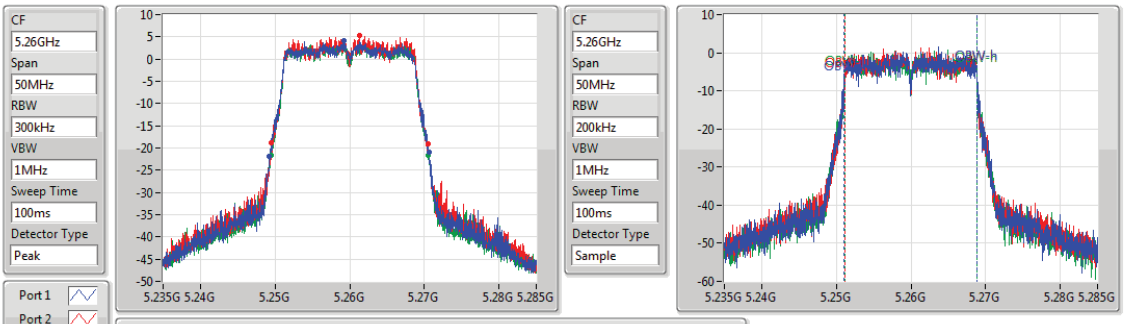
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.229225G	5.250675G	17.766M	5.231079G	5.248846G	Inf	1
21.1M	5.229425G	5.250525G	17.666M	5.231154G	5.248821G	Inf	2
21.05M	5.2295G	5.25055G	17.716M	5.231104G	5.248821G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

5260MHz

21/02/2019

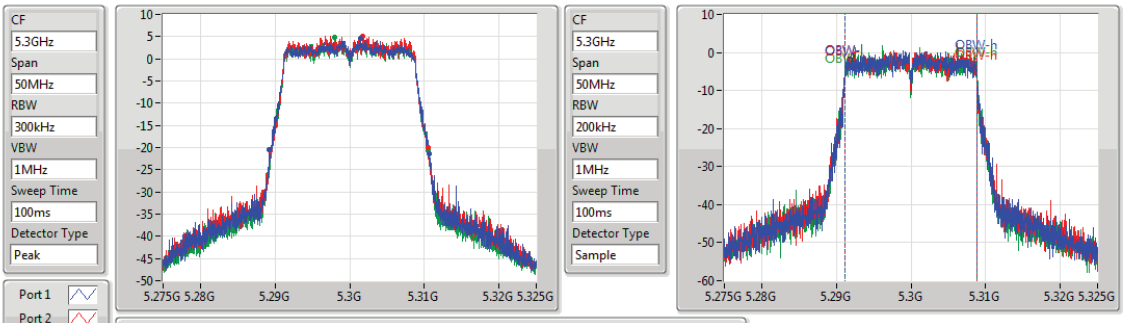


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.4M	5.249225G	5.270625G	17.741M	5.251079G	5.268821G	Inf	1
20.95M	5.2495G	5.27045G	17.716M	5.251104G	5.268821G	Inf	2
21.125M	5.249425G	5.27055G	17.716M	5.251104G	5.268821G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX **EBW**

5300MHz

21/02/2019

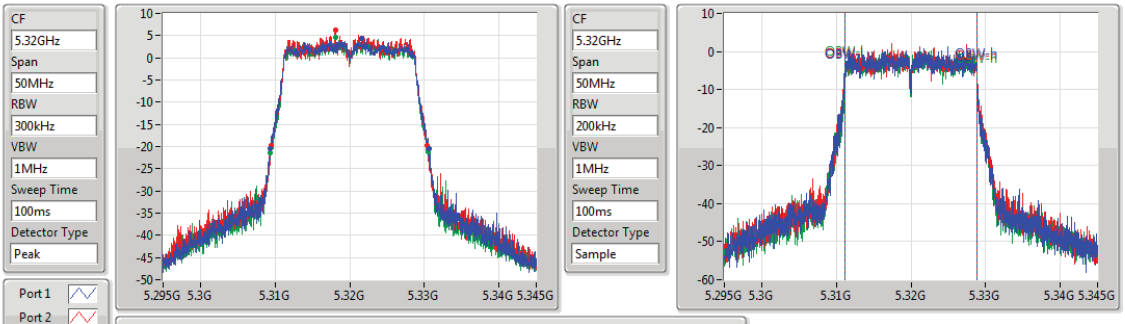


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.475M	5.289225G	5.3107G	17.666M	5.291129G	5.308796G	Inf	1
21.075M	5.2894G	5.310475G	17.691M	5.291129G	5.308821G	Inf	2
21.175M	5.28935G	5.310525G	17.716M	5.291104G	5.308821G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX **EBW**

5320MHz

21/02/2019

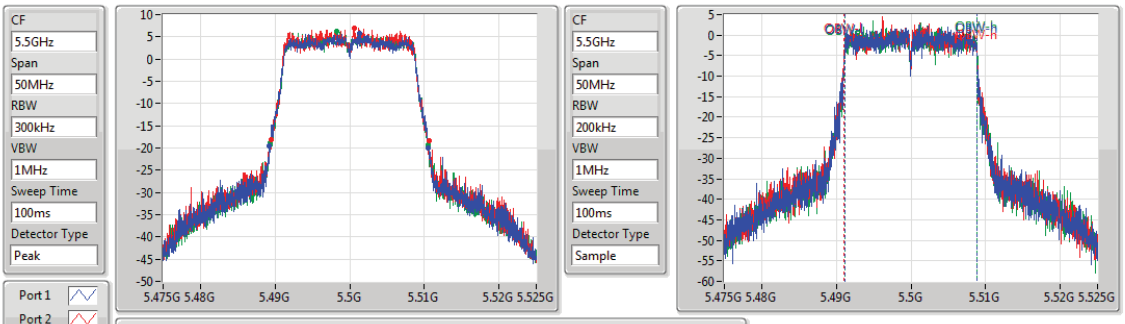


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.325M	5.309325G	5.33065G	17.716M	5.311104G	5.328821G	Inf	1
20.925M	5.309475G	5.3304G	17.716M	5.311104G	5.328821G	Inf	2
21.2M	5.309375G	5.330575G	17.691M	5.311129G	5.328821G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX **EBW**

5500MHz

24/12/2018

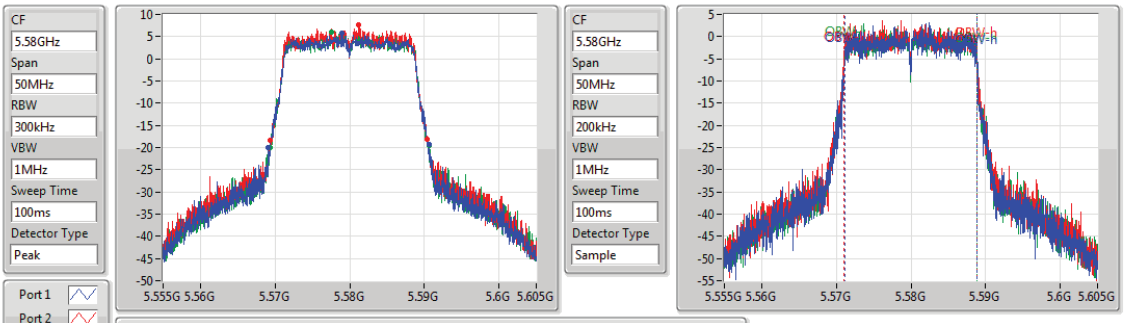


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.35M	5.489225G	5.510575G	17.691M	5.491104G	5.508796G	Inf	1
21.225M	5.489425G	5.51065G	17.716M	5.491079G	5.508796G	Inf	2
21.225M	5.4893G	5.510525G	17.666M	5.491129G	5.508796G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX **EBW**

5580MHz

24/12/2018

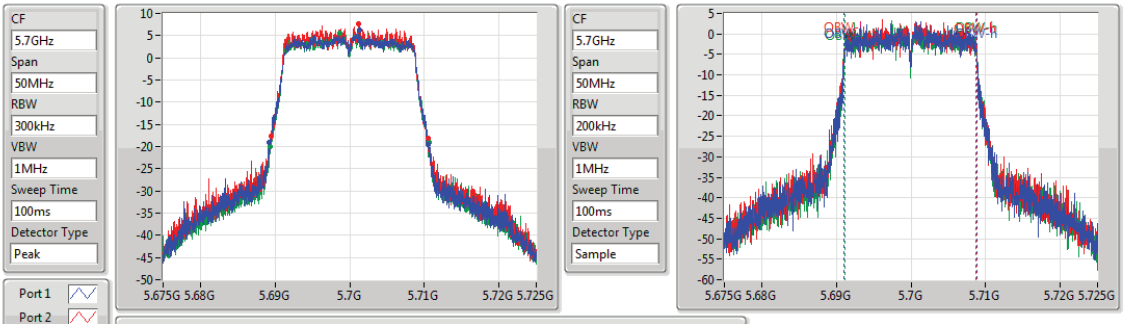


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.55M	5.569125G	5.590675G	17.666M	5.571129G	5.588796G	Inf	1
21.05M	5.569375G	5.590425G	17.741M	5.571054G	5.588796G	Inf	2
21.225M	5.569375G	5.5906G	17.691M	5.571129G	5.588821G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX **EBW**

5700MHz

24/12/2018

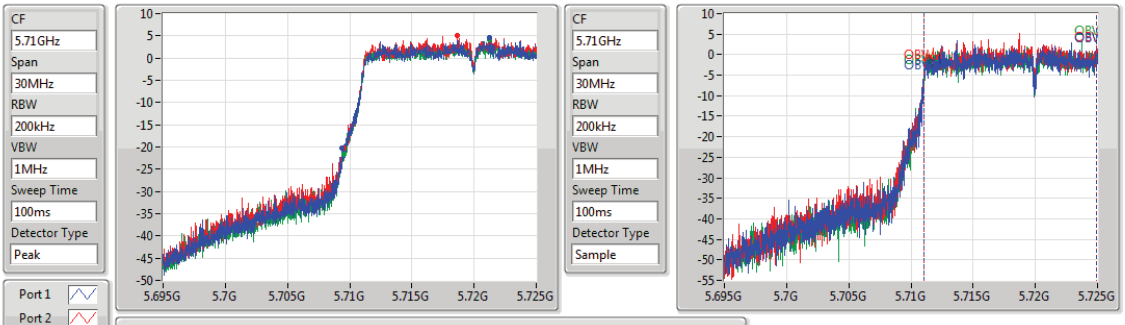


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.3M	5.689275G	5.710575G	17.716M	5.691079G	5.708796G	Inf	1
21M	5.68945G	5.71045G	17.691M	5.691079G	5.708771G	Inf	2
21.25M	5.689375G	5.710625G	17.691M	5.691104G	5.708796G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX **EBW**

5720MHz Straddle 5.47-5.725GHz

24/12/2018

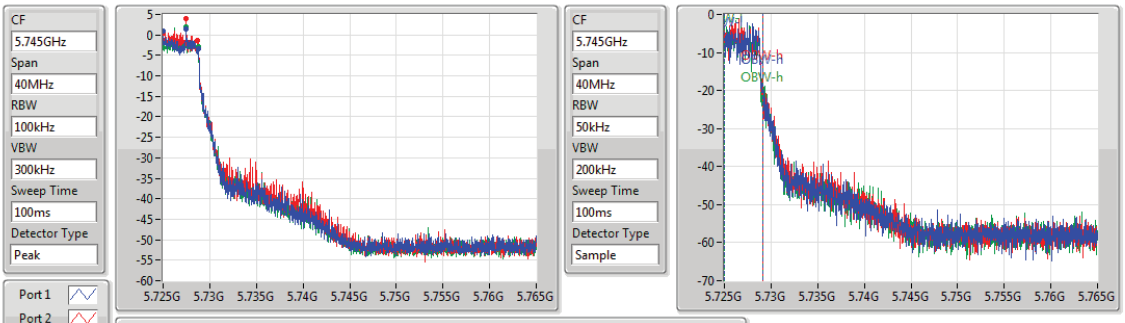


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.585M	5.709415G	5.725G	13.883M	5.711049G	5.724933G	Inf	1
15.465M	5.709535G	5.725G	13.898M	5.711049G	5.724948G	Inf	2
15.495M	5.709505G	5.725G	13.868M	5.711064G	5.724933G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX **EBW**

5720MHz Straddle 5.725-5.85GHz

24/12/2018

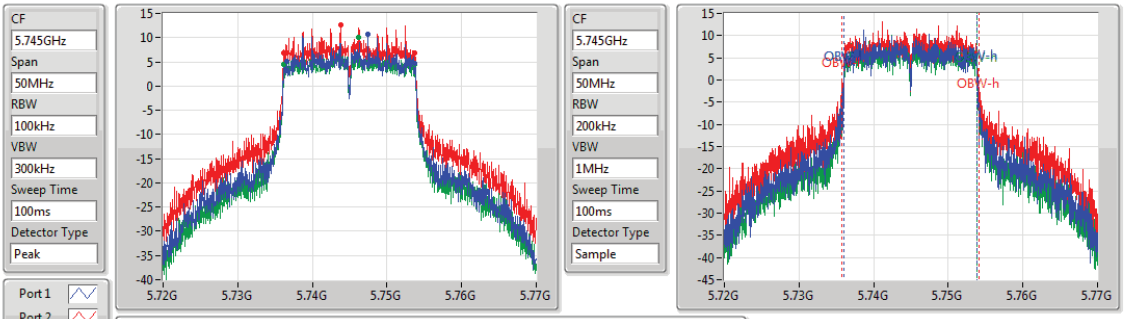


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.74M	5.725G	5.72874G	4.078M	5.72503G	5.729108G	500k	1
3.72M	5.725G	5.72872G	4.078M	5.72501G	5.729088G	500k	2
3.74M	5.725G	5.72874G	4.138M	5.72501G	5.729148G	500k	3

802.11ac VHT20_Nss1,(MCS0)_3TX **EBW**

5745MHz

26/12/2018

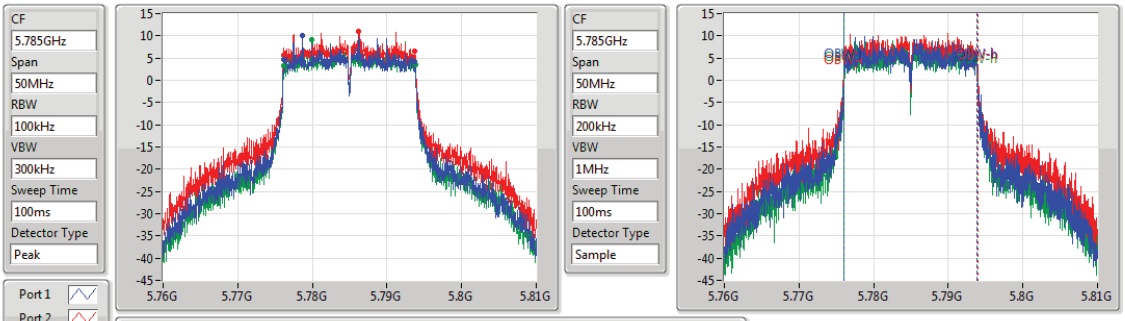


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.15M	5.7366G	5.75375G	17.841M	5.736054G	5.753896G	500k	1
17.55M	5.7362G	5.75375G	18.341M	5.73578G	5.75412G	500k	2
17.525M	5.736225G	5.75375G	17.791M	5.736079G	5.753871G	500k	3

802.11ac VHT20_Nss1,(MCS0)_3TX **EBW**

5785MHz

26/12/2018



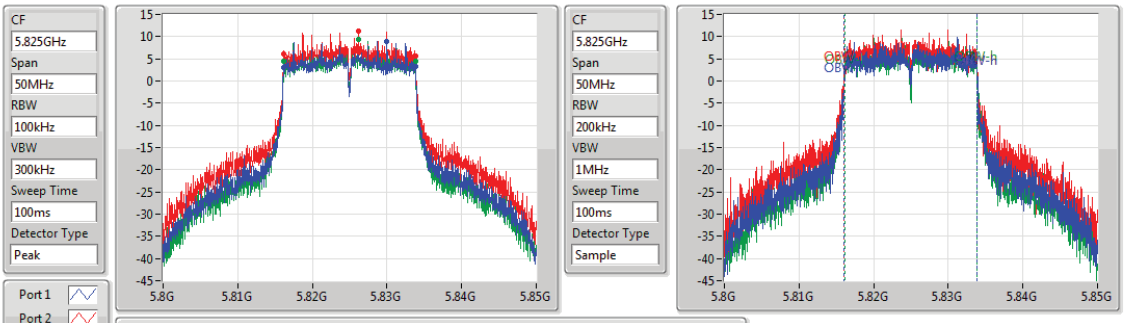
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.7762G	5.79375G	17.841M	5.776054G	5.793896G	500k	1
17.55M	5.7762G	5.79375G	17.966M	5.77598G	5.793946G	500k	2
17.575M	5.7762G	5.793775G	17.791M	5.776079G	5.793871G	500k	3

802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

5825MHz

26/12/2018



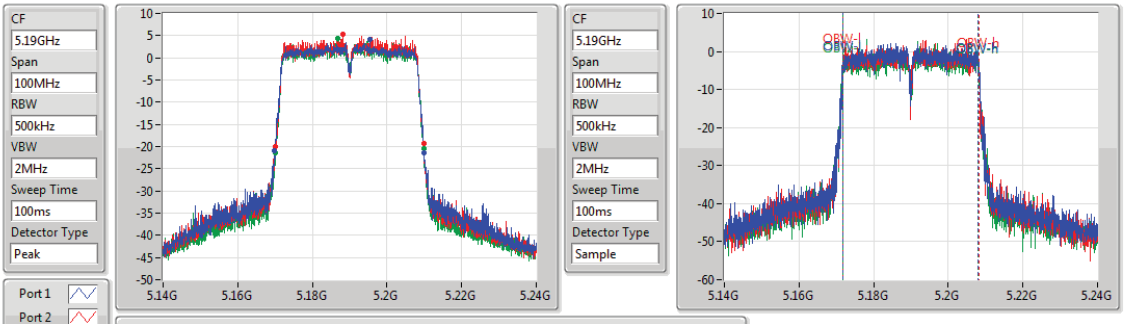
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	5.816175G	5.833775G	17.816M	5.816054G	5.833871G	500k	1
17.6M	5.816175G	5.833775G	17.916M	5.81598G	5.833896G	500k	2
17.575M	5.8162G	5.833775G	17.741M	5.816104G	5.833846G	500k	3

802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5190MHz

21/02/2019



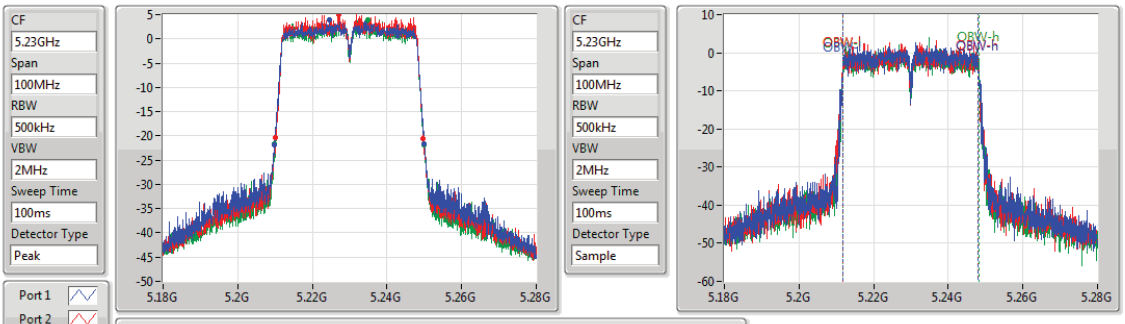
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.1698G	5.21G	36.282M	5.171809G	5.208091G	Inf	1
39.75M	5.1701G	5.20985G	36.382M	5.171759G	5.208141G	Inf	2
39.8M	5.17G	5.2098G	36.282M	5.171809G	5.208091G	Inf	3

802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5230MHz

21/02/2019

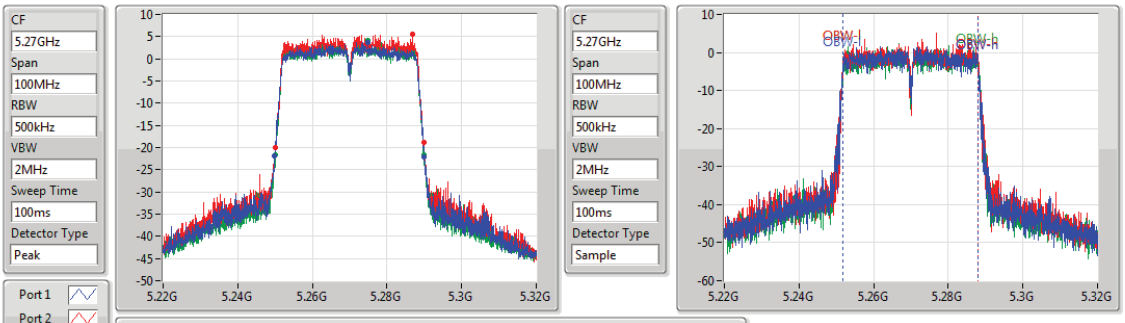


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.25M	5.2098G	5.25005G	36.232M	5.211859G	5.248091G	Inf	1
39.7M	5.21005G	5.24975G	36.282M	5.211809G	5.248091G	Inf	2
40.05M	5.2099G	5.24995G	36.332M	5.211809G	5.248141G	Inf	3

802.11ac VHT40_Nss1,(MCS0)_3TX **EBW**

5270MHz

21/02/2019

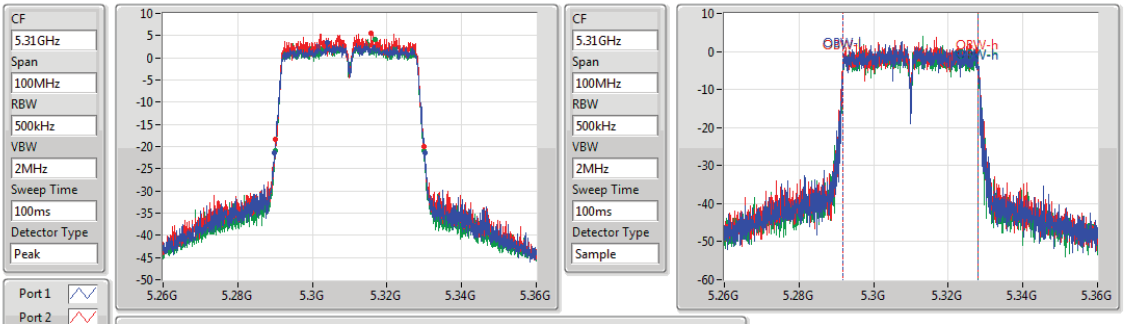


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.2499G	5.29G	36.282M	5.251759G	5.288041G	Inf	1
39.85M	5.25005G	5.2899G	36.332M	5.251759G	5.288091G	Inf	2
39.95M	5.25G	5.28995G	36.282M	5.251809G	5.288091G	Inf	3

802.11ac VHT40_Nss1,(MCS0)_3TX **EBW**

5310MHz

21/02/2019

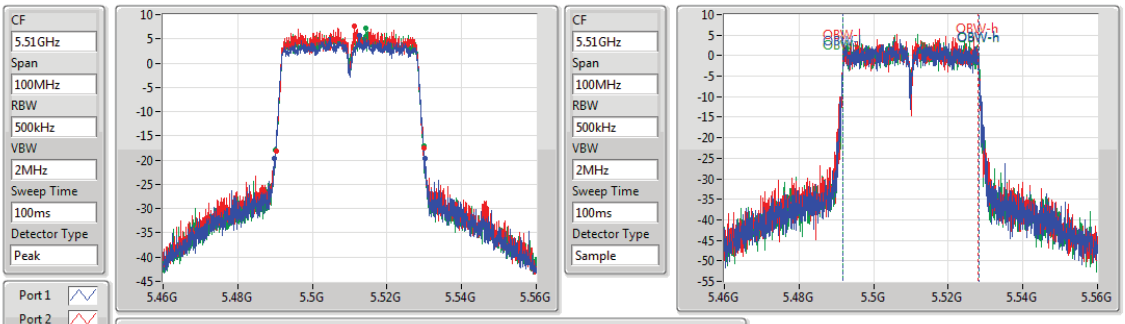


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.2899G	5.3301G	36.182M	5.291859G	5.328041G	Inf	1
39.6M	5.2902G	5.3298G	36.232M	5.291809G	5.328041G	Inf	2
39.85M	5.29005G	5.3299G	36.232M	5.291859G	5.328091G	Inf	3

802.11ac VHT40_Nss1,(MCS0)_3TX **EBW**

5510MHz

24/12/2018



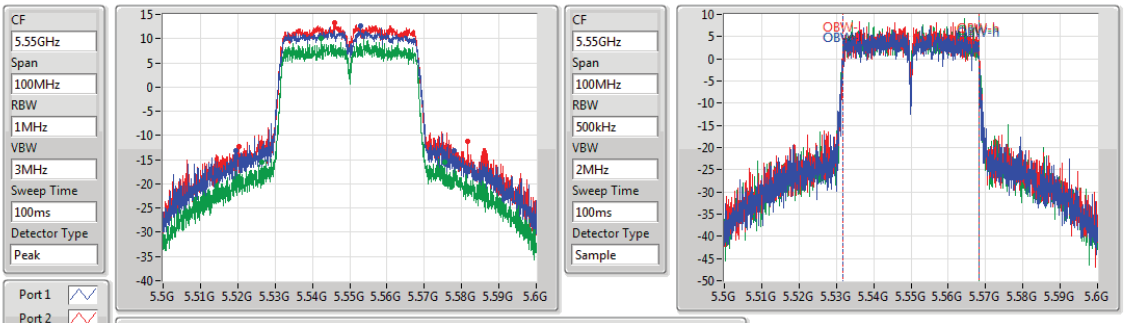
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.35M	5.48985G	5.5302G	36.332M	5.491809G	5.528141G	Inf	1
39.75M	5.49025G	5.53G	36.282M	5.491809G	5.528091G	Inf	2
39.65M	5.49015G	5.5298G	36.282M	5.491859G	5.528141G	Inf	3

802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5550MHz

24/12/2018



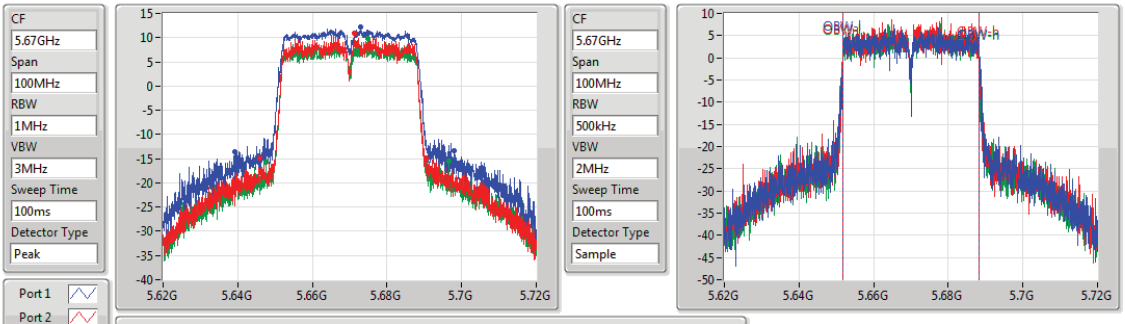
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
58.6M	5.5194G	5.578G	36.382M	5.531759G	5.568141G	Inf	1
61.35M	5.5204G	5.58175G	36.332M	5.531809G	5.568141G	Inf	2
49M	5.52655G	5.57555G	36.382M	5.531809G	5.568191G	Inf	3

802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5670MHz

24/12/2018



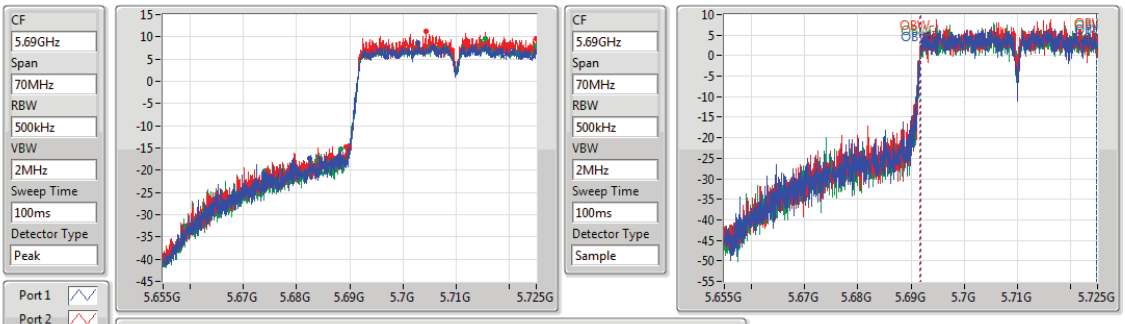
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
58.65M	5.63925G	5.6979G	36.482M	5.651759G	5.688241G	Inf	1
44.6M	5.64585G	5.69045G	36.332M	5.651809G	5.688141G	Inf	2
49.05M	5.6475G	5.69655G	36.382M	5.651759G	5.688141G	Inf	3

802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5710MHz Straddle 5.47-5.725GHz

24/12/2018

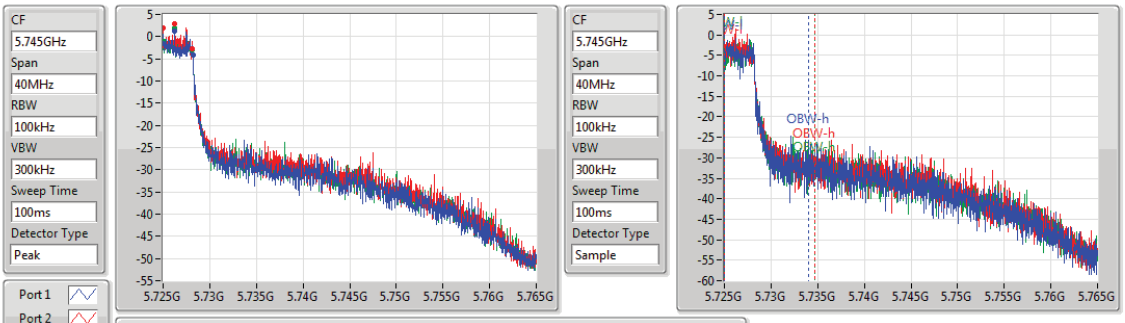


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.525M	5.682475G	5.725G	32.989M	5.691784G	5.724773G	Inf	1
35.77M	5.68923G	5.725G	33.058M	5.691749G	5.724808G	Inf	2
36.75M	5.68825G	5.725G	33.023M	5.691784G	5.724808G	Inf	3

802.11ac VHT40_Nss1,(MCS0)_3TX **EBW**

5710MHz Straddle 5.725-5.85GHz

24/12/2018

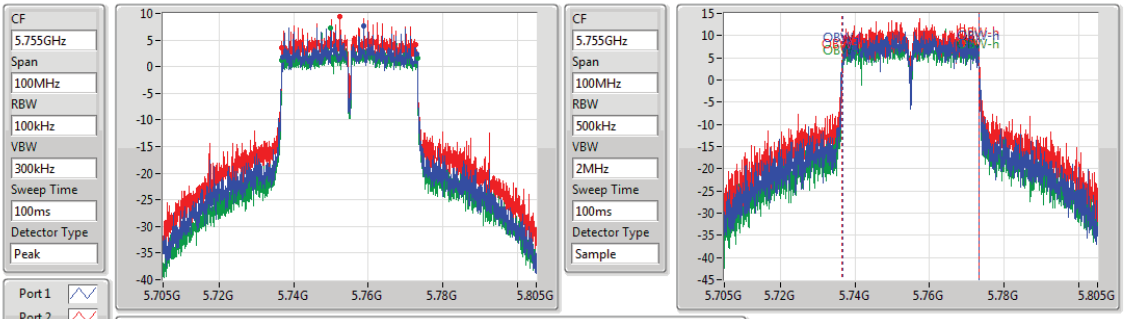


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.24M	5.725G	5.72824G	9.015M	5.72501G	5.734025G	500k	1
3.14M	5.725G	5.72814G	9.695M	5.72501G	5.734705G	500k	2
3.16M	5.725G	5.72816G	9.655M	5.72501G	5.734665G	500k	3

802.11ac VHT40_Nss1,(MCS0)_3TX **EBW**

5755MHz

26/12/2018

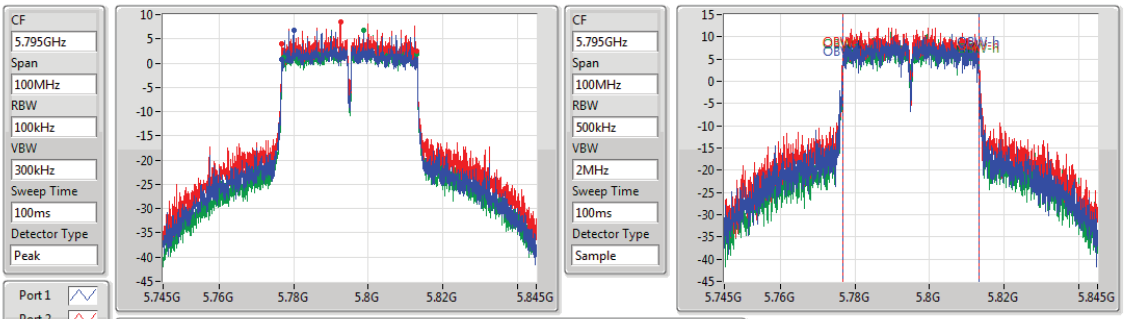


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.95M	5.73715G	5.7731G	36.532M	5.736659G	5.773191G	500k	1
35.9M	5.7368G	5.7727G	36.732M	5.736609G	5.773341G	500k	2
36.3M	5.73685G	5.77315G	36.532M	5.736659G	5.773191G	500k	3

802.11ac VHT40_Nss1,(MCS0)_3TX **EBW**

5795MHz

26/12/2018

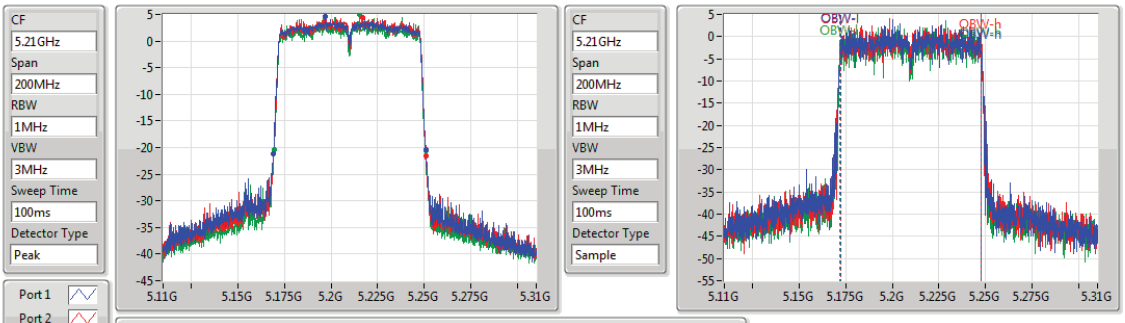


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.9M	5.77685G	5.81275G	36.382M	5.776759G	5.813141G	500k	1
36.25M	5.77685G	5.8131G	36.532M	5.776709G	5.813241G	500k	2
35.85M	5.77725G	5.8131G	36.382M	5.776809G	5.813191G	500k	3

802.11ac VHT80_Nss1,(MCS0)_3TX **EBW**

5210MHz

21/02/2019

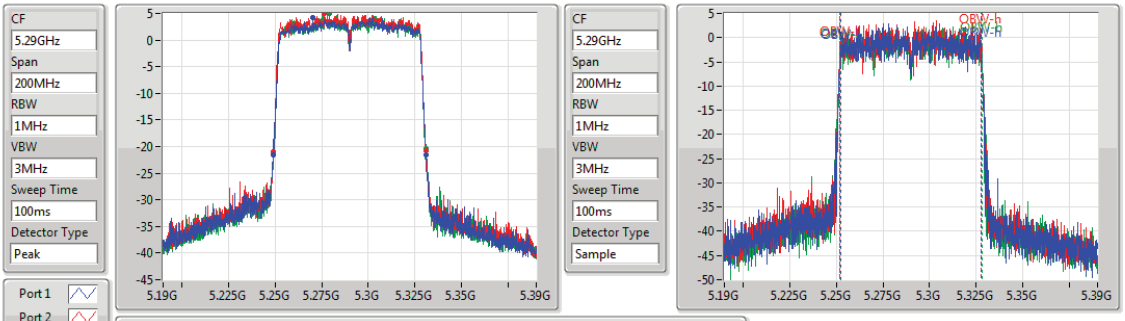


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.6M	5.1693G	5.2509G	75.462M	5.172219G	5.247681G	Inf	1
81.9M	5.169G	5.2509G	75.662M	5.172119G	5.247781G	Inf	2
81.3M	5.1695G	5.2508G	75.862M	5.172019G	5.247881G	Inf	3

802.11ac VHT80_Nss1,(MCS0)_3TX **EBW**

5290MHz

21/02/2019

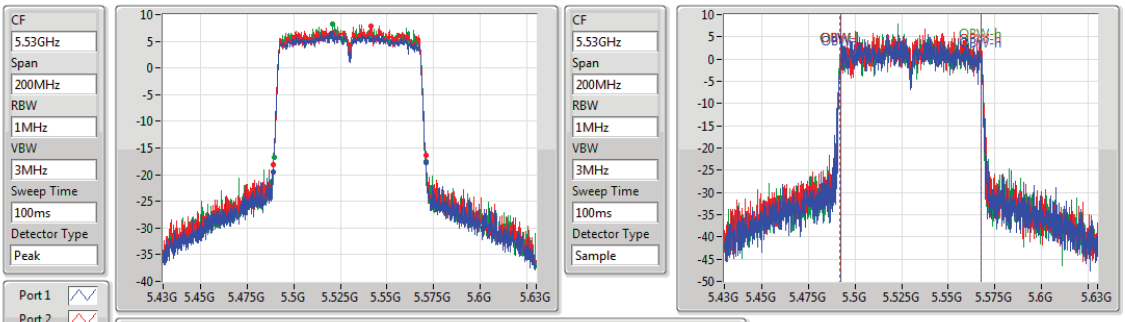


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.1M	5.2491G	5.3312G	75.562M	5.252119G	5.327681G	Inf	1
82M	5.2489G	5.3309G	75.762M	5.252019G	5.327781G	Inf	2
81.6M	5.2492G	5.3308G	75.962M	5.252019G	5.327981G	Inf	3

802.11ac VHT80_Nss1,(MCS0)_3TX **EBW**

5530MHz

24/12/2018

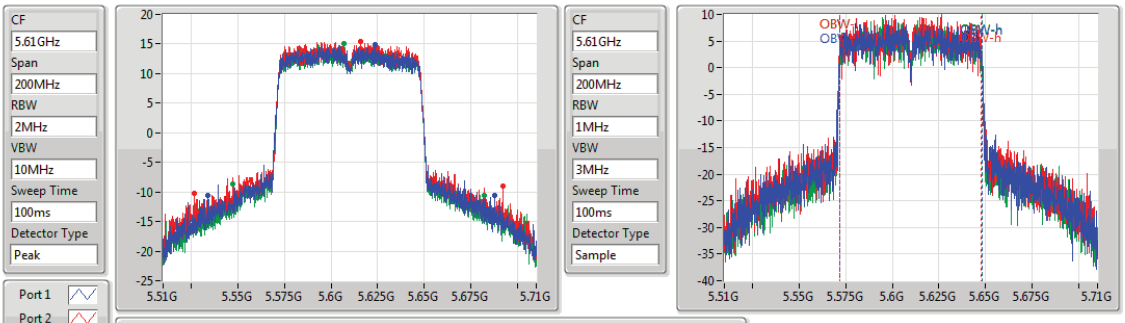


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.4M	5.4888G	5.5712G	75.662M	5.492119G	5.567781G	Inf	1
81.7M	5.4892G	5.5709G	75.662M	5.492119G	5.567781G	Inf	2
81.5M	5.4894G	5.5709G	75.862M	5.492019G	5.567881G	Inf	3

802.11ac VHT80_Nss1,(MCS0)_3TX **EBW**

5610MHz

24/12/2018

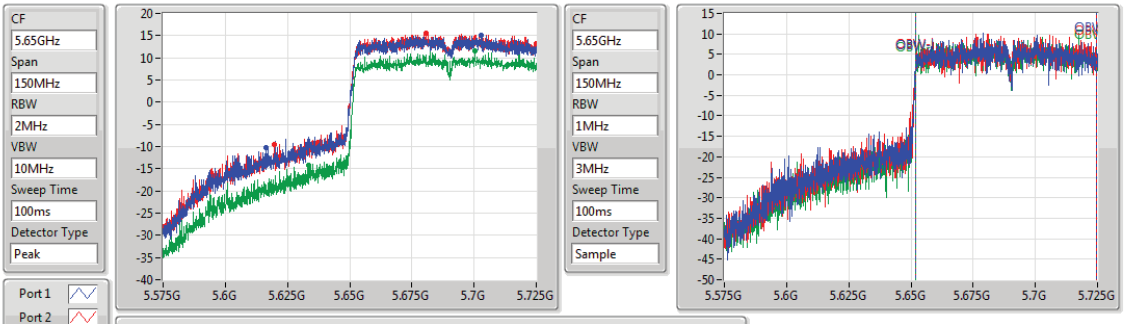


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
153.5M	5.534G	5.6875G	76.162M	5.571819G	5.647981G	Inf	1
165.2M	5.5267G	5.6919G	76.062M	5.571819G	5.647881G	Inf	2
134.5M	5.5476G	5.6821G	76.062M	5.571919G	5.647981G	Inf	3

802.11ac VHT80_Nss1,(MCS0)_3TX **EBW**

5690MHz Straddle 5.47-5.725GHz

24/12/2018

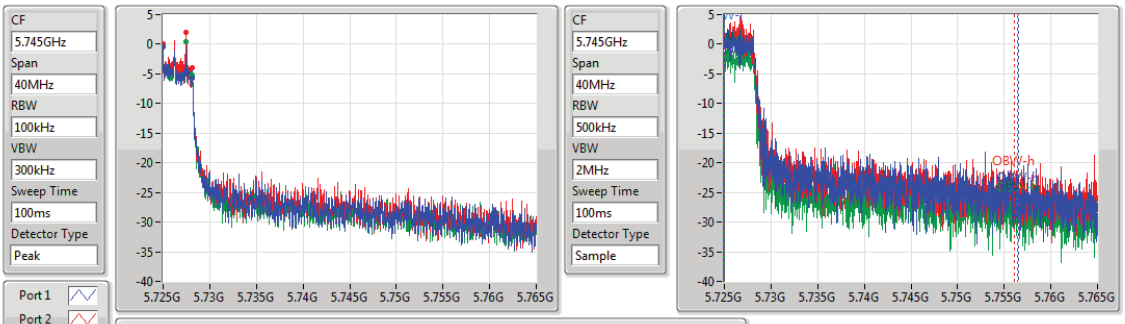


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
108.6M	5.6164G	5.725G	72.564M	5.651949G	5.724513G	Inf	1
105.45M	5.61955G	5.725G	72.639M	5.651874G	5.724513G	Inf	2
91.5M	5.6335G	5.725G	72.489M	5.652024G	5.724513G	Inf	3

802.11ac VHT80_Nss1,(MCS0)_3TX **EBW**

5690MHz Straddle 5.725-5.85GHz

24/12/2018

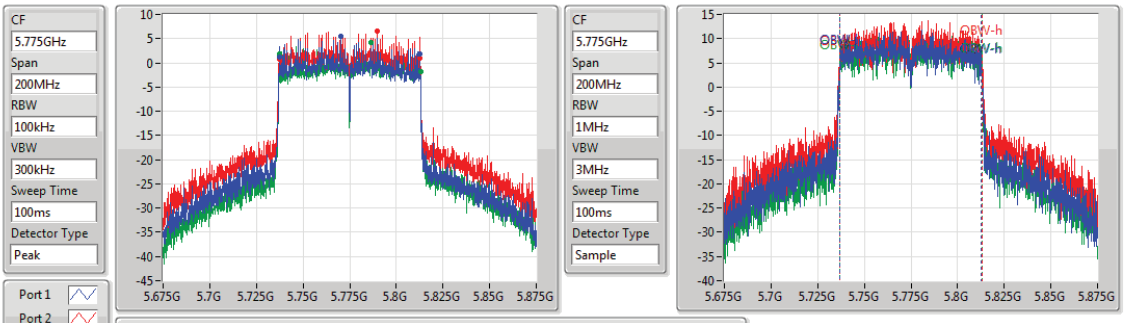


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	31.524M	5.72501G	5.756534G	500k	1
3.12M	5.725G	5.72812G	31.064M	5.72503G	5.756094G	500k	2
3.14M	5.725G	5.72814G	31.384M	5.72503G	5.756414G	500k	3

802.11ac VHT80_Nss1,(MCS0)_3TX **EBW**

5775MHz

26/12/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.1M	5.7374G	5.8125G	76.062M	5.736819G	5.812881G	500k	1
75.2M	5.7374G	5.8126G	76.662M	5.736619G	5.813281G	500k	2
75.7M	5.7374G	5.8131G	76.062M	5.737019G	5.813081G	500k	3

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	17.52	0.05649	22.93	0.19634
802.11ac VHT20_Nss1,(MCS0)_3TX	17.58	0.05728	22.99	0.19907
802.11ac VHT40_Nss1,(MCS0)_3TX	17.55	0.05689	22.96	0.19770
802.11ac VHT80_Nss1,(MCS0)_3TX	17.30	0.05370	22.71	0.18664
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	17.48	0.05598	22.89	0.19454
802.11ac VHT20_Nss1,(MCS0)_3TX	17.55	0.05689	22.96	0.19770
802.11ac VHT40_Nss1,(MCS0)_3TX	17.59	0.05741	23.00	0.19953
802.11ac VHT80_Nss1,(MCS0)_3TX	17.59	0.05741	23.00	0.19953
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	21.56	0.14322	26.97	0.49774
802.11ac VHT20_Nss1,(MCS0)_3TX	19.28	0.08472	24.69	0.29444
802.11ac VHT40_Nss1,(MCS0)_3TX	22.67	0.18493	28.08	0.64269
802.11ac VHT80_Nss1,(MCS0)_3TX	23.91	0.24604	29.32	0.85507
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	21.54	0.14256	26.95	0.49545
802.11ac VHT20_Nss1,(MCS0)_3TX	25.09	0.32285	30.50	1.12202
802.11ac VHT40_Nss1,(MCS0)_3TX	25.01	0.31696	30.42	1.10154
802.11ac VHT80_Nss1,(MCS0)_3TX	24.98	0.31477	30.39	1.09396

Result

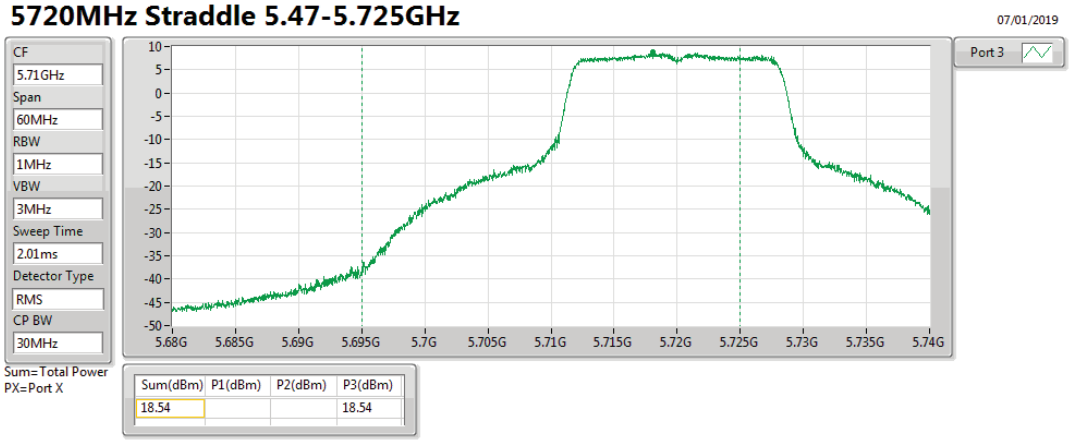
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX(Port3)	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	5.41			17.44	17.44	24.00	22.85	30.00
5200MHz_TnomVnom	Pass	5.41			17.52	17.52	24.00	22.93	30.00
5240MHz_TnomVnom	Pass	5.41			17.48	17.48	24.00	22.89	30.00
5260MHz_TnomVnom	Pass	5.41			17.38	17.38	24.00	22.79	30.00
5300MHz_TnomVnom	Pass	5.41			17.44	17.44	24.00	22.85	30.00
5320MHz_TnomVnom	Pass	5.41			17.48	17.48	24.00	22.89	30.00
5500MHz_TnomVnom	Pass	5.41			21.56	21.56	24.00	26.97	30.00
5580MHz_TnomVnom	Pass	5.41			21.36	21.36	24.00	26.77	30.00
5700MHz_TnomVnom	Pass	5.41			19.81	19.81	24.00	25.22	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.41			18.54	18.54	24.00	23.95	30.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.41			11.85	11.85	30.00	17.26	36.00
5745MHz_TnomVnom	Pass	5.41			21.07	21.07	30.00	26.48	36.00
5785MHz_TnomVnom	Pass	5.41			21.18	21.18	30.00	26.59	36.00
5825MHz_TnomVnom	Pass	5.41			21.54	21.54	30.00	26.95	36.00
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	5.41	13.13	12.92	12.33	17.58	24.00	22.99	30.00
5200MHz_TnomVnom	Pass	5.41	13.04	13.02	12.33	17.58	24.00	22.99	30.00
5240MHz_TnomVnom	Pass	5.41	12.93	12.87	12.29	17.48	24.00	22.89	30.00
5260MHz_TnomVnom	Pass	5.41	12.62	13.12	12.33	17.47	24.00	22.88	30.00
5300MHz_TnomVnom	Pass	5.41	12.80	13.00	12.53	17.55	24.00	22.96	30.00
5320MHz_TnomVnom	Pass	5.41	12.89	12.85	12.39	17.49	24.00	22.90	30.00
5500MHz_TnomVnom	Pass	5.41	14.25	14.69	14.35	19.21	24.00	24.62	30.00
5580MHz_TnomVnom	Pass	5.41	14.24	14.84	14.43	19.28	24.00	24.69	30.00
5700MHz_TnomVnom	Pass	5.41	14.14	14.65	13.99	19.04	24.00	24.45	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.41	13.16	13.96	13.14	18.21	22.89	23.62	28.89
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.41	7.70	8.23	7.57	12.61	30.00	18.02	36.00
5745MHz_TnomVnom	Pass	5.41	19.67	21.75	19.07	25.09	30.00	30.50	36.00
5785MHz_TnomVnom	Pass	5.41	19.38	21.04	18.97	24.66	30.00	30.07	36.00
5825MHz_TnomVnom	Pass	5.41	19.16	20.90	19.25	24.62	30.00	30.03	36.00
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	5.41	13.12	12.82	12.37	17.55	24.00	22.96	30.00
5230MHz_TnomVnom	Pass	5.41	13.07	12.93	12.15	17.51	24.00	22.92	30.00
5270MHz_TnomVnom	Pass	5.41	12.85	13.15	12.43	17.59	24.00	23.00	30.00
5310MHz_TnomVnom	Pass	5.41	12.69	12.91	12.41	17.45	24.00	22.86	30.00
5510MHz_TnomVnom	Pass	5.41	14.51	15.03	14.54	19.47	24.00	24.88	30.00
5550MHz_TnomVnom	Pass	5.41	17.59	18.20	17.88	22.67	24.00	28.08	30.00
5670MHz_TnomVnom	Pass	5.41	17.68	18.12	17.71	22.61	24.00	28.02	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.41	17.45	17.95	17.37	22.37	24.00	27.78	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.41	6.94	7.59	7.05	11.97	30.00	17.38	36.00
5755MHz_TnomVnom	Pass	5.41	19.85	21.37	19.20	25.01	30.00	30.42	36.00
5795MHz_TnomVnom	Pass	5.41	19.27	20.83	19.23	24.61	30.00	30.02	36.00
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	5.41	12.88	12.54	12.12	17.30	24.00	22.71	30.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5290MHz_TnomVnom	Pass	5.41	12.81	13.11	12.51	17.59	24.00	23.00	30.00
5530MHz_TnomVnom	Pass	5.41	15.36	15.81	15.48	20.33	24.00	25.74	30.00
5610MHz_TnomVnom	Pass	5.41	18.85	19.56	18.89	23.88	24.00	29.29	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.41	19.17	19.47	18.75	23.91	24.00	29.32	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.41	4.45	5.19	4.52	9.50	30.00	14.91	36.00
5775MHz_TnomVnom	Pass	5.41	19.67	21.37	19.28	24.98	30.00	30.39	36.00

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

802.11a_Nss1,(6Mbps)_1TX(Port3) **AV Power**

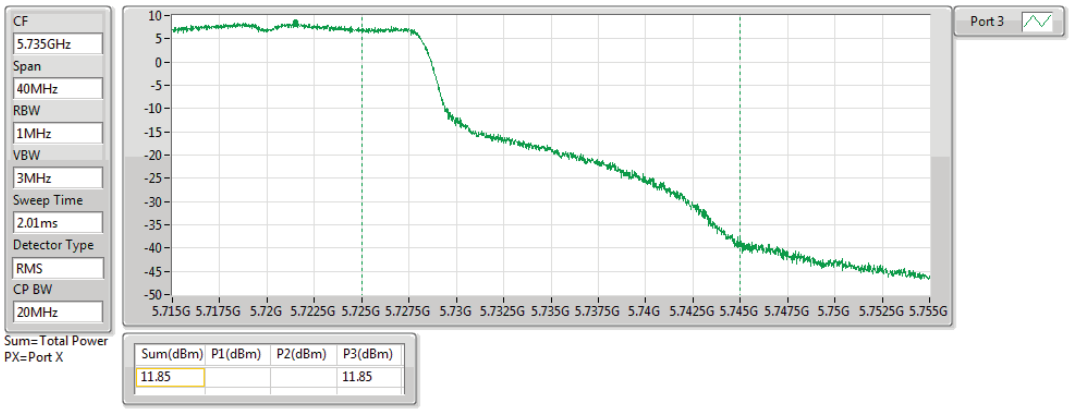
5720MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
18.54			18.54

802.11a_Nss1,(6Mbps)_1TX(Port3) **AV Power**

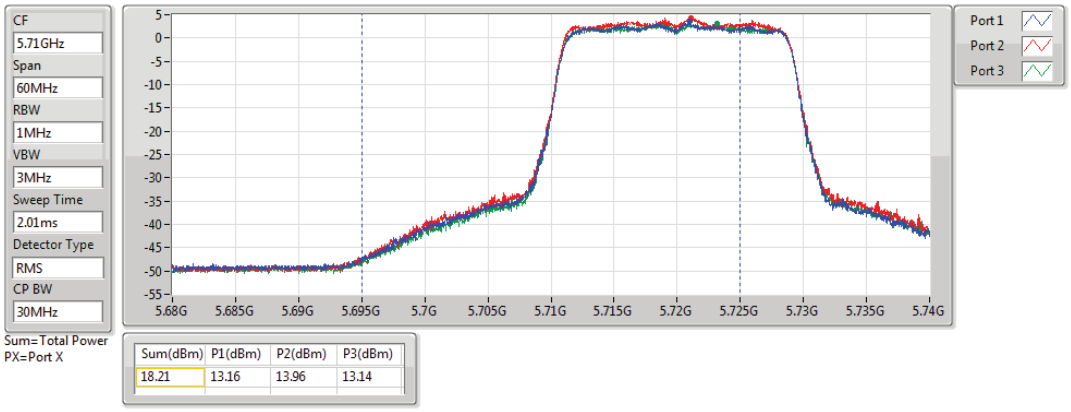
5720MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
11.85			11.85

802.11ac VHT20_Nss1,(MCS0)_3TX **AV Power**

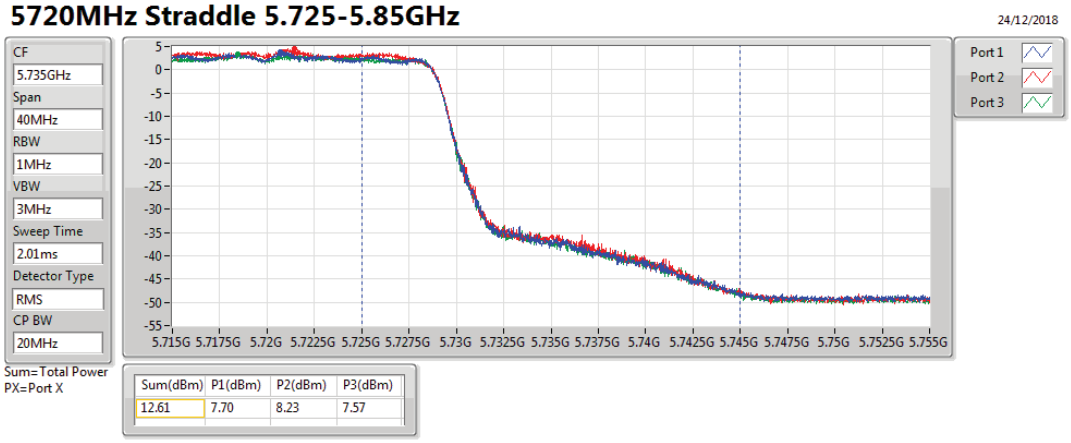
5720MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
18.21	13.16	13.96	13.14

802.11ac VHT20_Nss1,(MCS0)_3TX AV Power

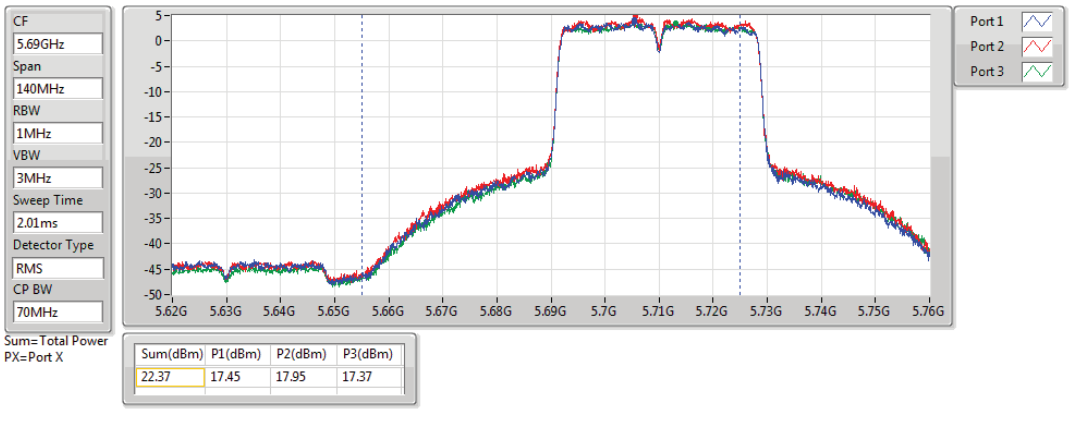
5720MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
12.61	7.70	8.23	7.57

802.11ac VHT40_Nss1,(MCS0)_3TX AV Power

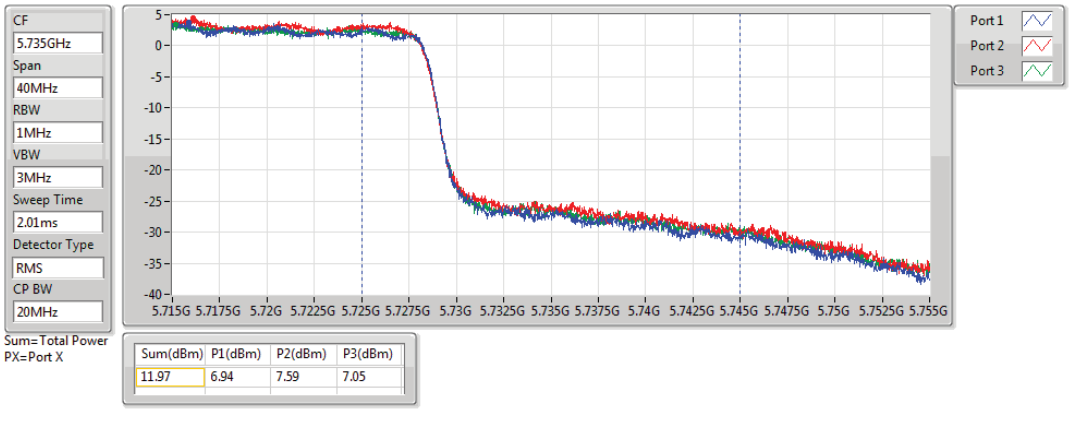
5710MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
22.37	17.45	17.95	17.37

802.11ac VHT40_Nss1,(MCS0)_3TX AV Power

5710MHz Straddle 5.725-5.85GHz

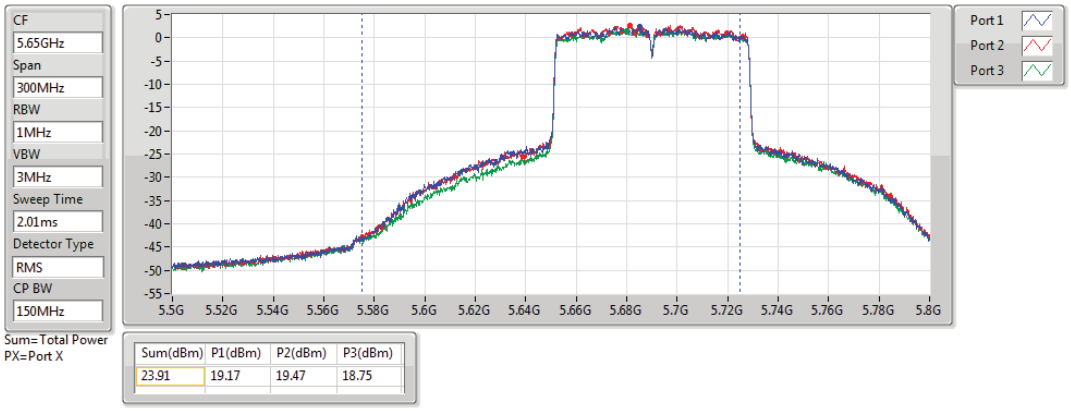


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
11.97	6.94	7.59	7.05

802.11ac VHT80_Nss1,(MCS0)_3TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

24/12/2018



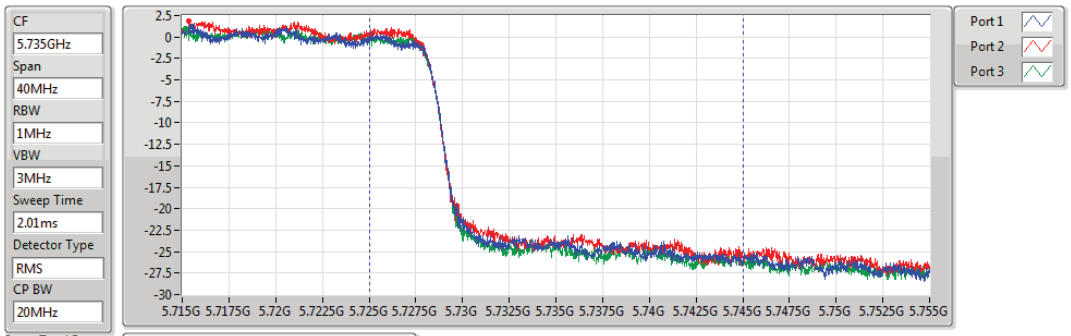
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
23.91	19.17	19.47	18.75

802.11ac VHT80_Nss1,(MCS0)_3TX **AV Power**

5690MHz Straddle 5.725-5.85GHz

24/12/2018



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
9.50	4.45	5.19	4.52

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	6.78	12.19
802.11ac VHT20_Nss1,(MCS0)_3TX	5.03	15.21
802.11ac VHT40_Nss1,(MCS0)_3TX	1.40	11.58
802.11ac VHT80_Nss1,(MCS0)_3TX	-1.66	8.52
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	7.06	12.47
802.11ac VHT20_Nss1,(MCS0)_3TX	5.01	15.19
802.11ac VHT40_Nss1,(MCS0)_3TX	1.66	11.84
802.11ac VHT80_Nss1,(MCS0)_3TX	-1.18	9.00
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	7.79	13.20
802.11ac VHT20_Nss1,(MCS0)_3TX	6.80	16.98
802.11ac VHT40_Nss1,(MCS0)_3TX	6.80	16.98
802.11ac VHT80_Nss1,(MCS0)_3TX	4.91	15.09
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	6.88	12.29
802.11ac VHT20_Nss1,(MCS0)_3TX	12.83	23.01
802.11ac VHT40_Nss1,(MCS0)_3TX	9.33	19.51
802.11ac VHT80_Nss1,(MCS0)_3TX	6.38	16.56

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

Result

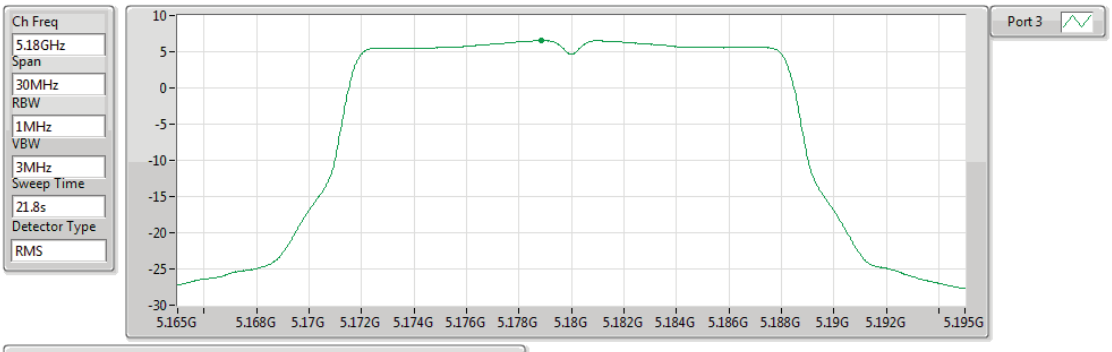
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	5.41			6.56	6.56	11.00	11.97	17.00
5200MHz_TnomVnom	Pass	5.41			6.78	6.78	11.00	12.19	17.00
5240MHz_TnomVnom	Pass	5.41			6.69	6.69	11.00	12.10	17.00
5260MHz_TnomVnom	Pass	5.41			6.88	6.88	11.00	12.29	17.00
5300MHz_TnomVnom	Pass	5.41			7.06	7.06	11.00	12.47	17.00
5320MHz_TnomVnom	Pass	5.41			6.86	6.86	11.00	12.27	17.00
5500MHz_TnomVnom	Pass	5.41			7.79	7.79	11.00	13.20	17.00
5580MHz_TnomVnom	Pass	5.41			7.53	7.53	11.00	12.94	17.00
5700MHz_TnomVnom	Pass	5.41			6.37	6.37	11.00	11.78	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.41			6.54	6.54	11.00	11.95	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.41			4.07	4.07	30.00	9.48	36.00
5745MHz_TnomVnom	Pass	5.41			6.47	6.47	30.00	11.88	36.00
5785MHz_TnomVnom	Pass	5.41			6.67	6.67	30.00	12.08	36.00
5825MHz_TnomVnom	Pass	5.41			6.88	6.88	30.00	12.29	36.00
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	10.18	0.84	0.30	-0.02	4.70	6.82	14.88	17.00
5200MHz_TnomVnom	Pass	10.18	1.26	0.64	-0.07	5.03	6.82	15.21	17.00
5240MHz_TnomVnom	Pass	10.18	0.73	0.66	-0.39	4.80	6.82	14.98	17.00
5260MHz_TnomVnom	Pass	10.18	0.43	0.75	-0.07	4.80	6.82	14.98	17.00
5300MHz_TnomVnom	Pass	10.18	0.63	0.70	0.12	5.01	6.82	15.19	17.00
5320MHz_TnomVnom	Pass	10.18	0.53	0.82	0.22	4.93	6.82	15.11	17.00
5500MHz_TnomVnom	Pass	10.18	2.11	2.78	1.92	6.76	6.82	16.94	17.00
5580MHz_TnomVnom	Pass	10.18	1.95	2.90	2.04	6.76	6.82	16.94	17.00
5700MHz_TnomVnom	Pass	10.18	1.97	2.75	1.78	6.71	6.82	16.89	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.18	2.35	2.82	1.92	6.80	6.82	16.98	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.18	0.04	0.79	-0.09	4.63	25.82	14.81	36.00
5745MHz_TnomVnom	Pass	10.18	7.88	9.82	6.98	12.83	25.82	23.01	36.00
5785MHz_TnomVnom	Pass	10.18	7.51	9.18	6.78	12.39	25.82	22.57	36.00
5825MHz_TnomVnom	Pass	10.18	7.01	9.00	6.73	12.14	25.82	22.32	36.00
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	10.18	-2.89	-3.24	-3.82	1.25	6.82	11.43	17.00
5230MHz_TnomVnom	Pass	10.18	-2.81	-3.12	-3.69	1.40	6.82	11.58	17.00
5270MHz_TnomVnom	Pass	10.18	-2.97	-2.59	-3.41	1.66	6.82	11.84	17.00
5310MHz_TnomVnom	Pass	10.18	-3.16	-2.60	-3.42	1.58	6.82	11.76	17.00
5510MHz_TnomVnom	Pass	10.18	-1.17	-0.61	-1.52	3.54	6.82	13.72	17.00
5550MHz_TnomVnom	Pass	10.18	2.07	2.51	1.94	6.74	6.82	16.92	17.00
5670MHz_TnomVnom	Pass	10.18	2.12	2.61	1.66	6.65	6.82	16.83	17.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.18	2.41	2.54	1.55	6.80	6.82	16.98	17.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.18	-0.26	0.21	-0.56	4.44	25.82	14.62	36.00
5755MHz_TnomVnom	Pass	10.18	4.44	5.96	3.55	9.33	25.82	19.51	36.00
5795MHz_TnomVnom	Pass	10.18	4.05	5.21	3.42	8.90	25.82	19.08	36.00
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	10.18	-5.87	-6.20	-6.76	-1.66	6.82	8.52	17.00

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5290MHz_TnomVnom	Pass	10.18	-5.82	-5.40	-6.30	-1.18	6.82	9.00	17.00
5530MHz_TnomVnom	Pass	10.18	-3.15	-2.75	-3.54	1.50	6.82	11.68	17.00
5610MHz_TnomVnom	Pass	10.18	0.28	1.02	-0.21	4.91	6.82	15.09	17.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	10.18	0.43	0.81	-0.34	4.84	6.82	15.02	17.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	10.18	-2.93	-2.15	-3.03	1.87	25.82	12.05	36.00
5775MHz_TnomVnom	Pass	10.18	1.41	2.98	0.69	6.38	25.82	16.56	36.00

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

802.11a_Nss1,(6Mbps)_1TX(Port3) PSD

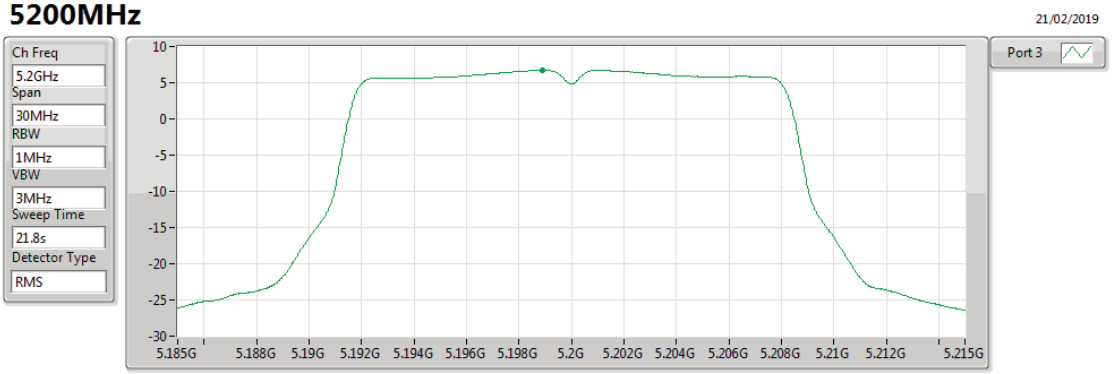
5180MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.56	6.56			6.56

802.11a_Nss1,(6Mbps)_1TX(Port3) PSD

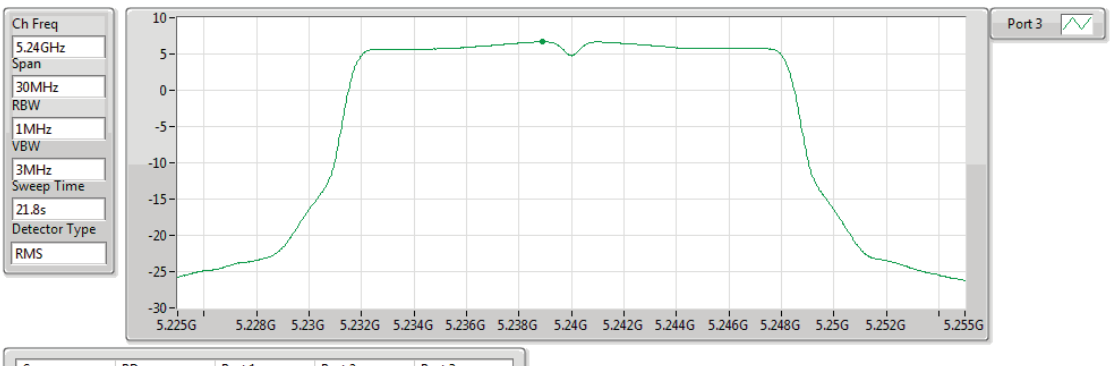
5200MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.78	6.78			6.78

802.11a_Nss1,(6Mbps)_1TX(Port3) PSD

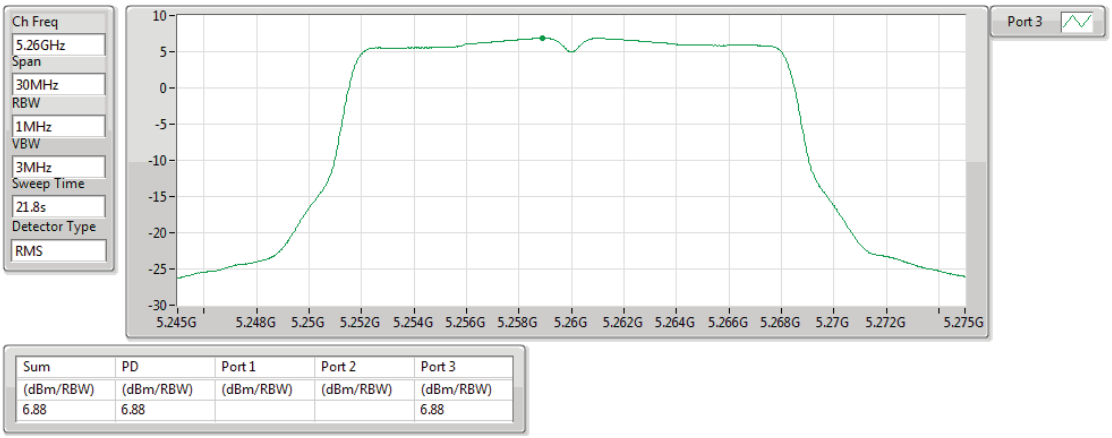
5240MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.69	6.69			6.69

802.11a_Nss1,(6Mbps)_1TX(Port3) **PSD**

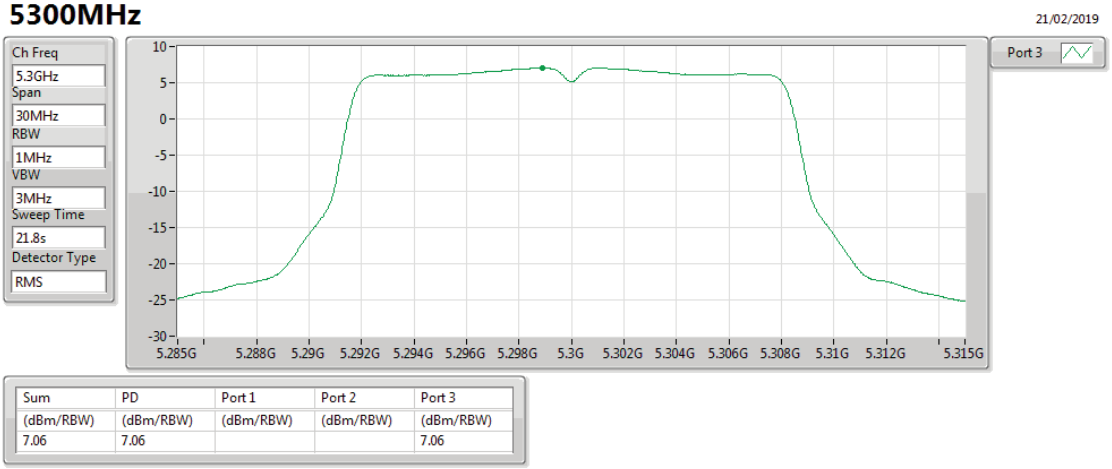
5260MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.88	6.88			6.88

802.11a_Nss1,(6Mbps)_1TX(Port3) **PSD**

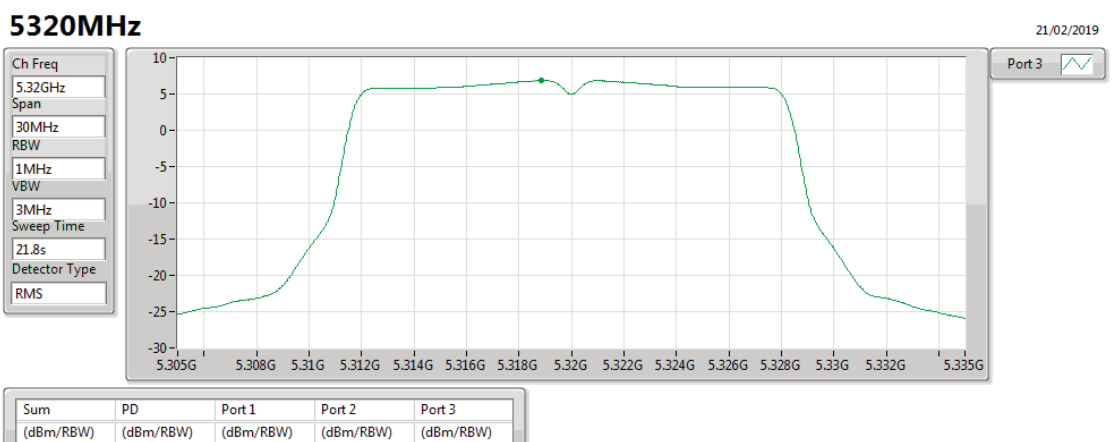
5300MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.06	7.06			7.06

802.11a_Nss1,(6Mbps)_1TX(Port3) **PSD**

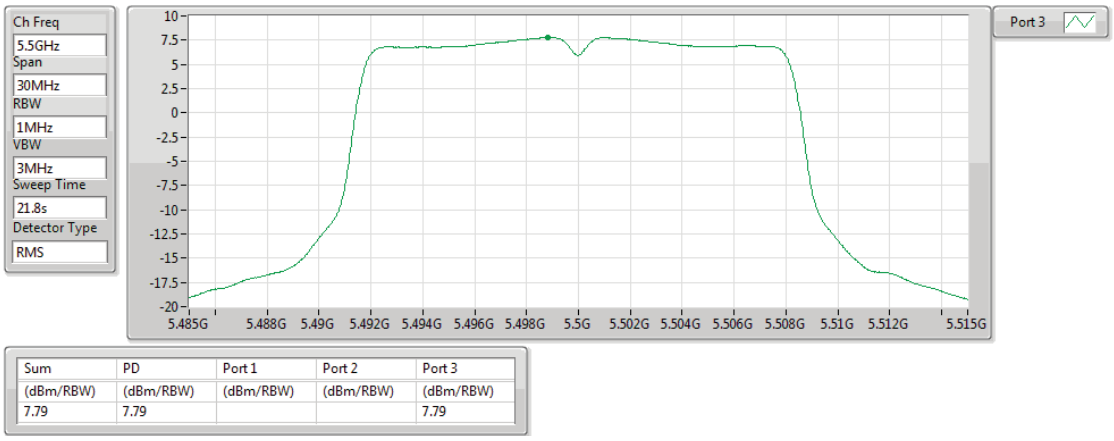
5320MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.86	6.86			6.86

802.11a_Nss1,(6Mbps)_1TX(Port3) **PSD**

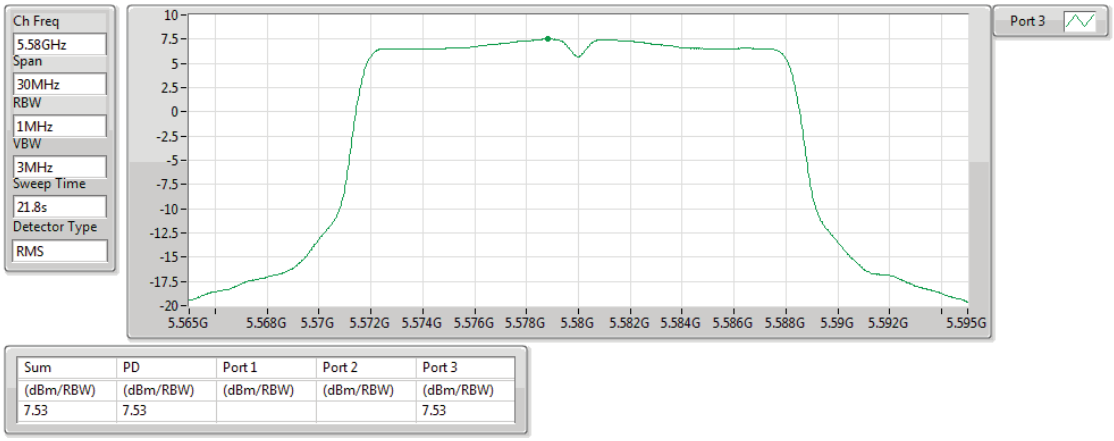
5500MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.79	7.79			7.79

802.11a_Nss1,(6Mbps)_1TX(Port3) **PSD**

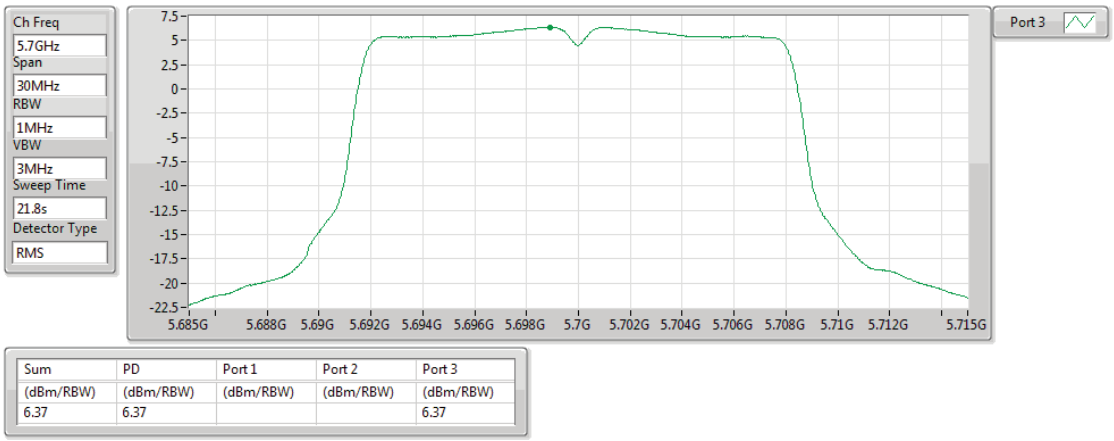
5580MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.53	7.53			7.53

802.11a_Nss1,(6Mbps)_1TX(Port3) **PSD**

5700MHz

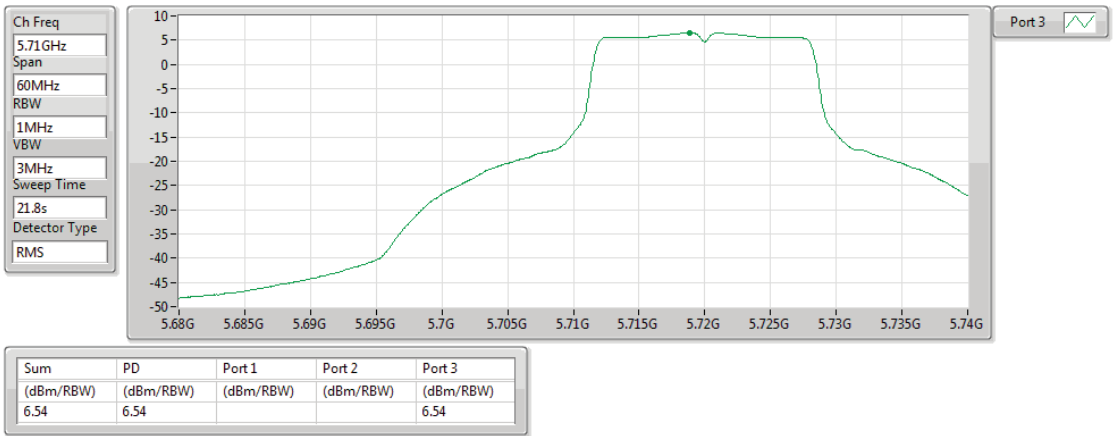


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.37	6.37			6.37

802.11a_Nss1,(6Mbps)_1TX(Port3) PSD

5720MHz Straddle 5.47-5.725GHz

07/01/2019

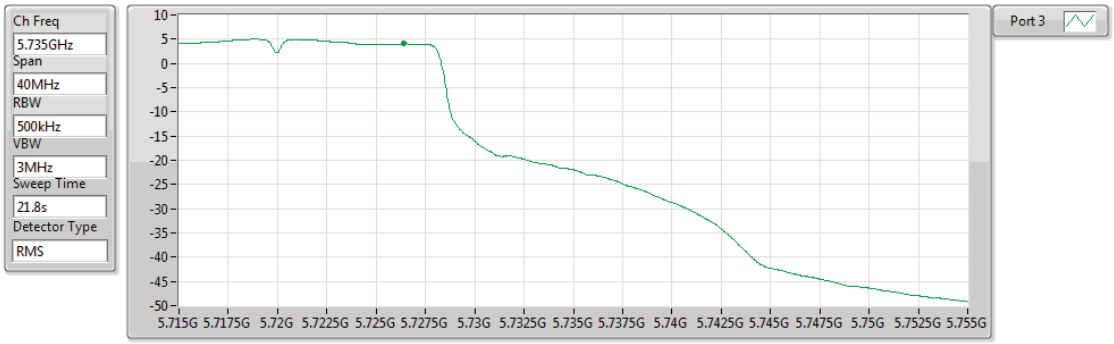


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.54	6.54			6.54

802.11a_Nss1,(6Mbps)_1TX(Port3) PSD

5720MHz Straddle 5.725-5.85GHz

07/01/2019

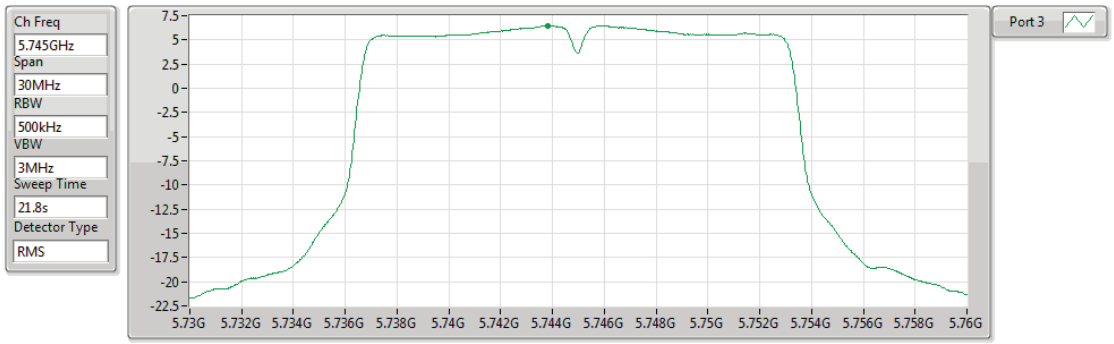


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.07	4.07			4.07

802.11a_Nss1,(6Mbps)_1TX(Port3) PSD

5745MHz

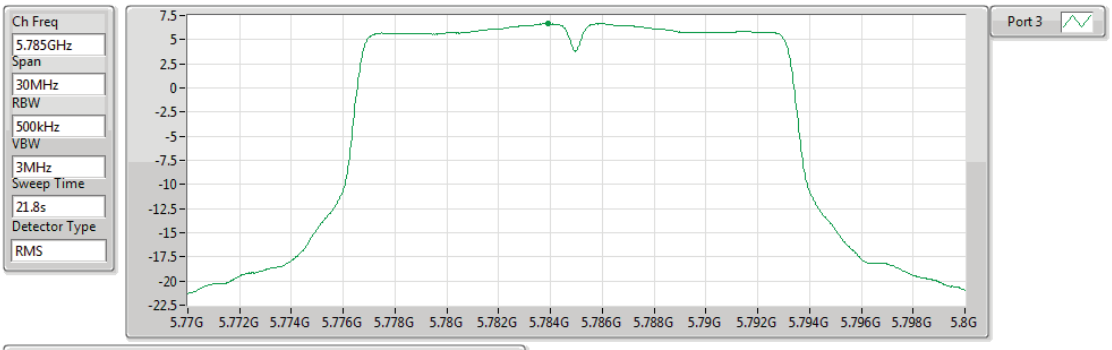
15/01/2019



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.47	6.47			6.47

802.11a_Nss1,(6Mbps)_1TX(Port3) PSD

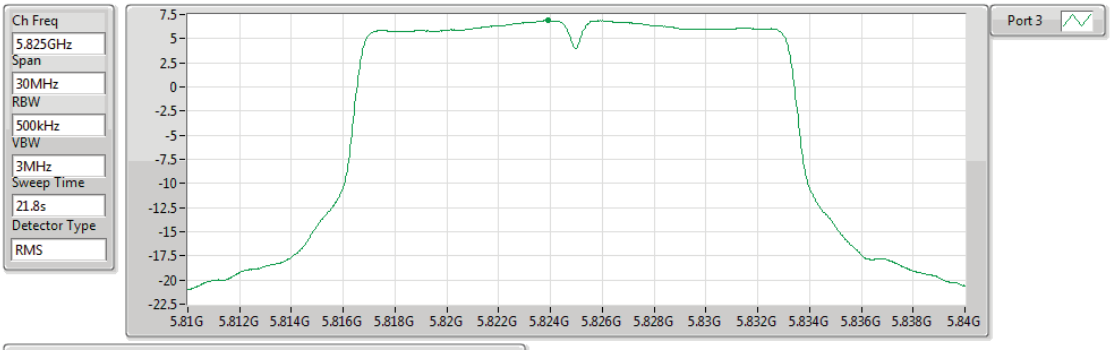
5785MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.67	6.67			6.67

802.11a_Nss1,(6Mbps)_1TX(Port3) PSD

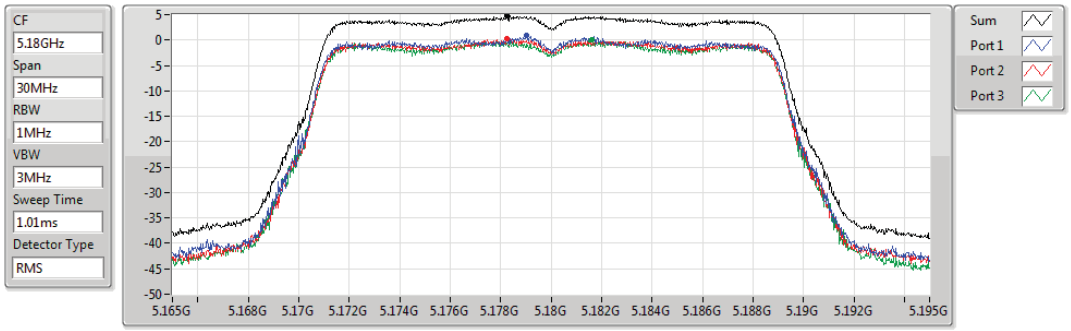
5825MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.88	6.88			6.88

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

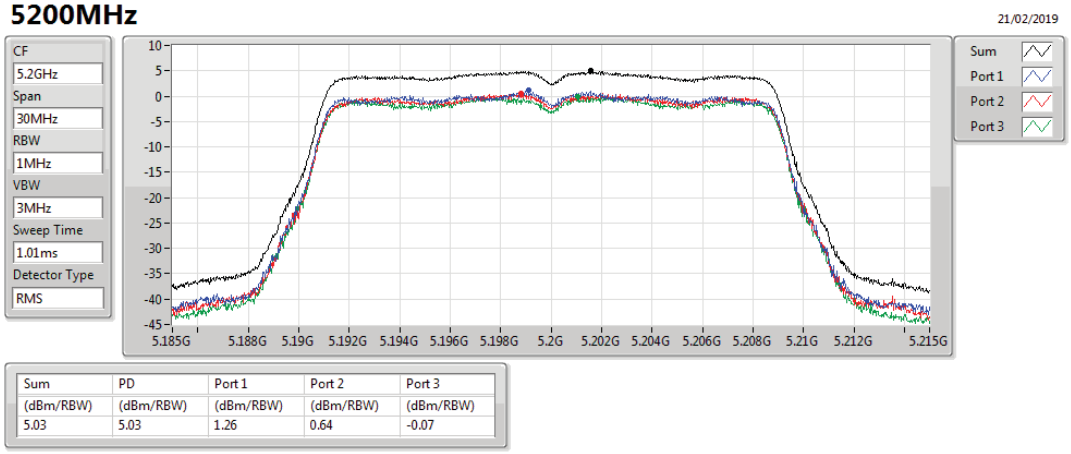
5180MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.70	4.70	0.84	0.30	-0.02

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

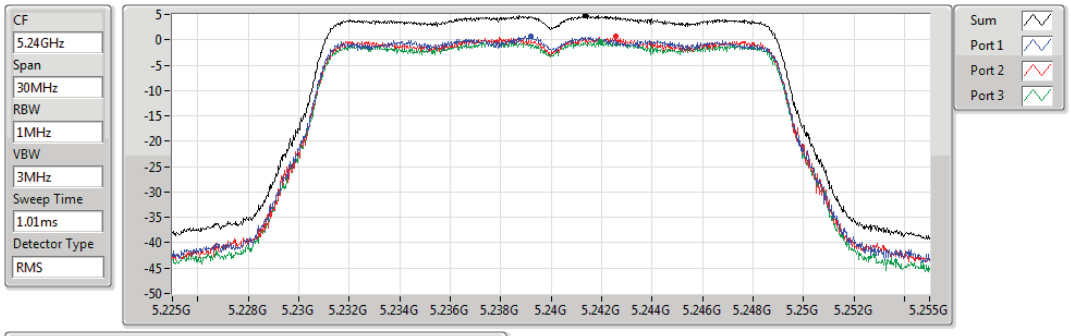
5200MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.03	5.03	1.26	0.64	-0.07

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

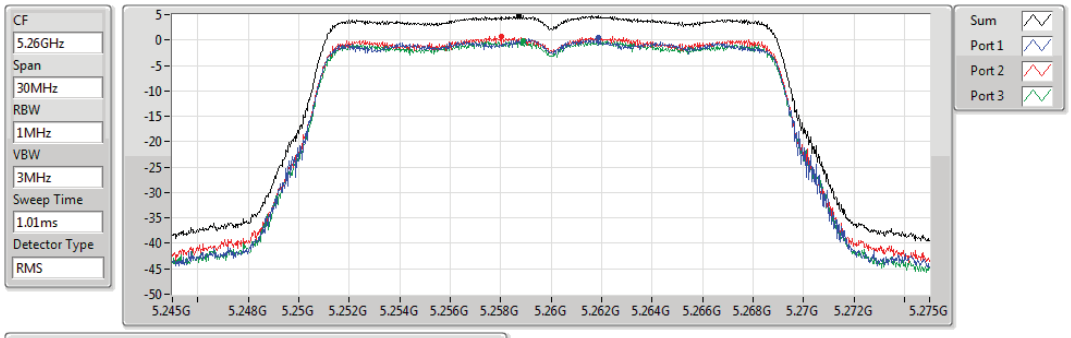
5240MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.80	4.80	0.73	0.66	-0.39

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

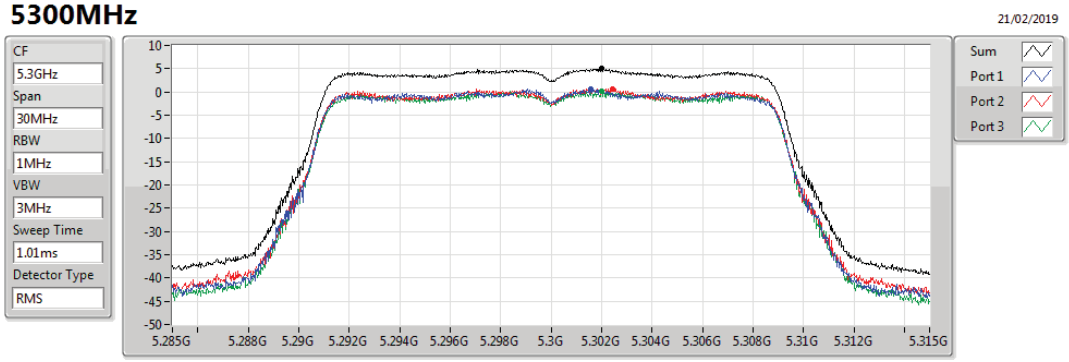
5260MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.80	4.80	0.43	0.75	-0.07

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

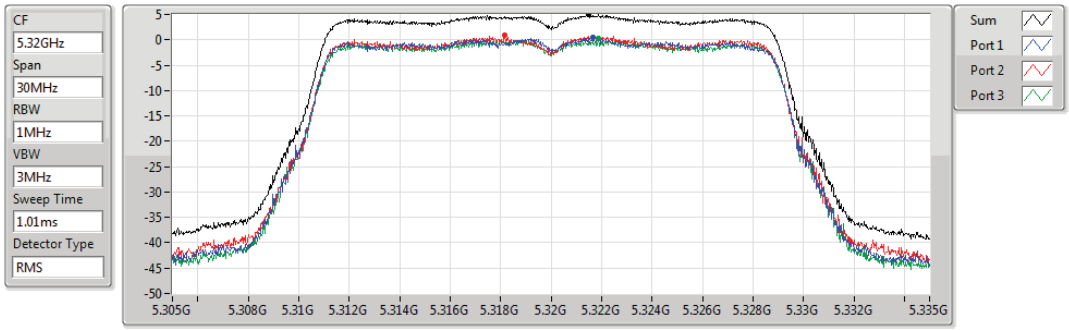
5300MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.01	5.01	0.63	0.70	0.12

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

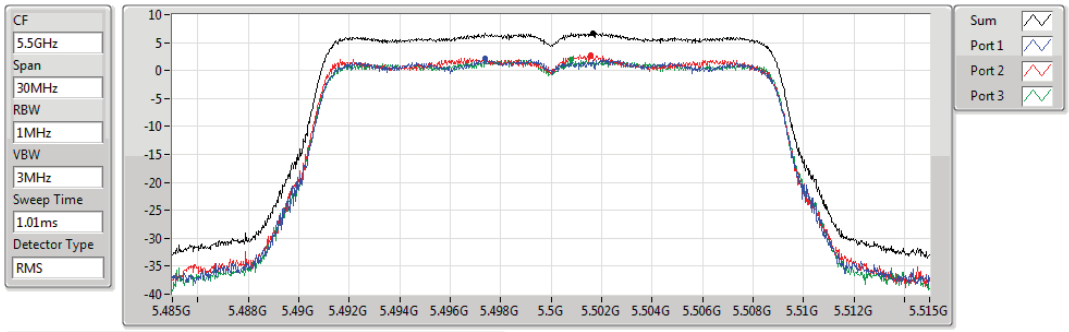
5320MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.93	4.93	0.53	0.82	0.22

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

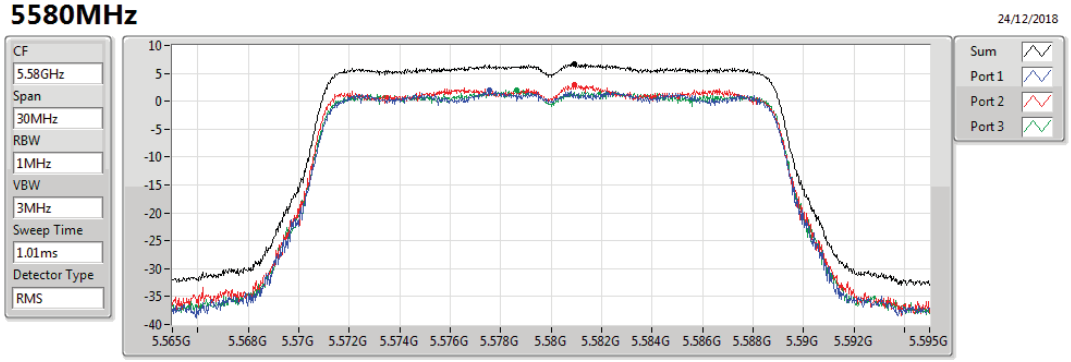
5500MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.76	6.76	2.11	2.78	1.92

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

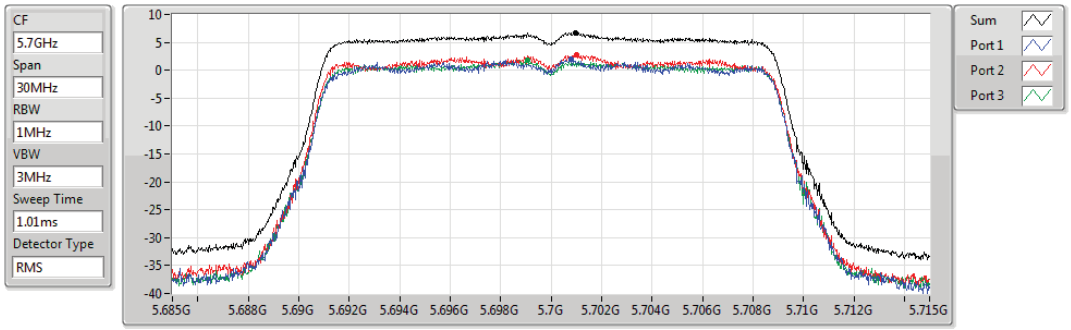
5580MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.76	6.76	1.95	2.90	2.04

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

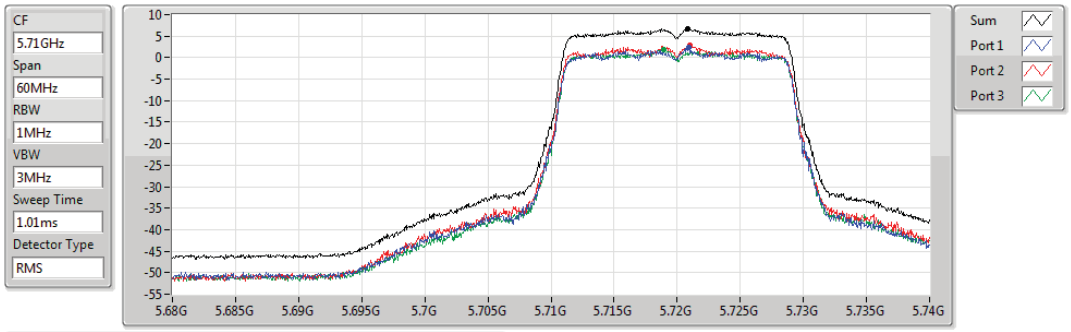
5700MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.71	6.71	1.97	2.75	1.78

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

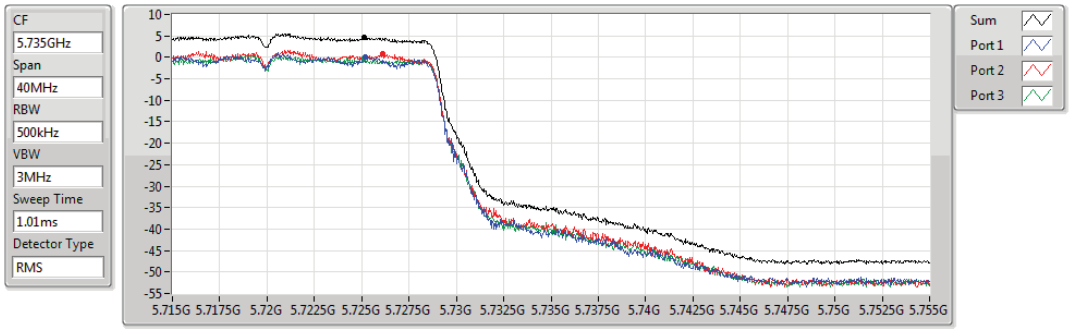
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.80	6.80	2.35	2.82	1.92

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

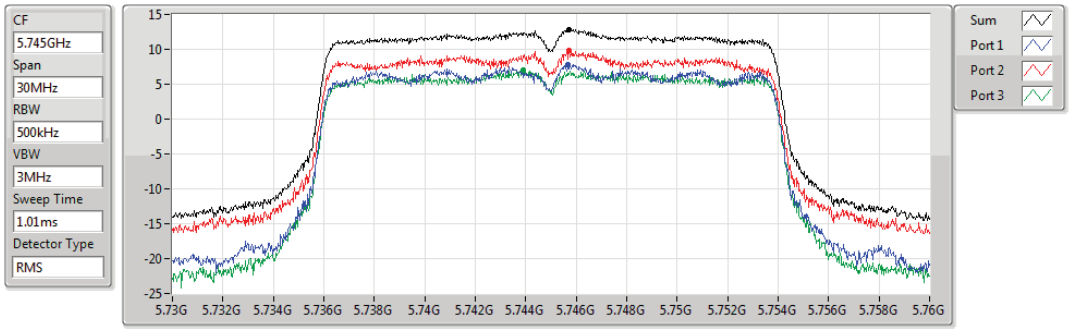
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.63	4.63	0.04	0.79	-0.09

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

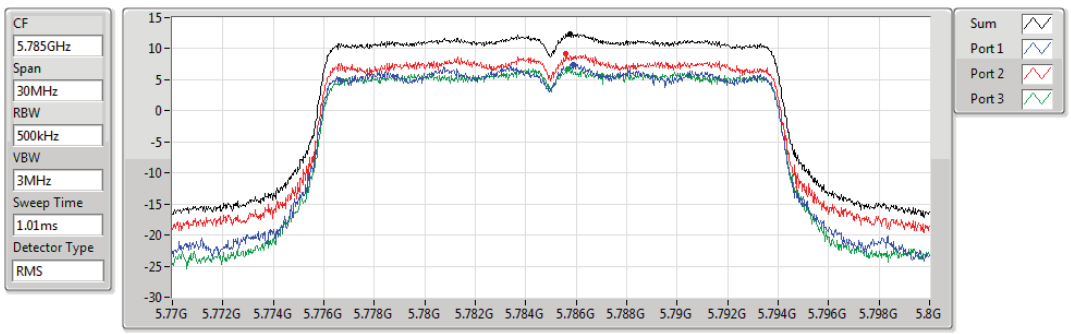
5745MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.83	12.83	7.88	9.82	6.98

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

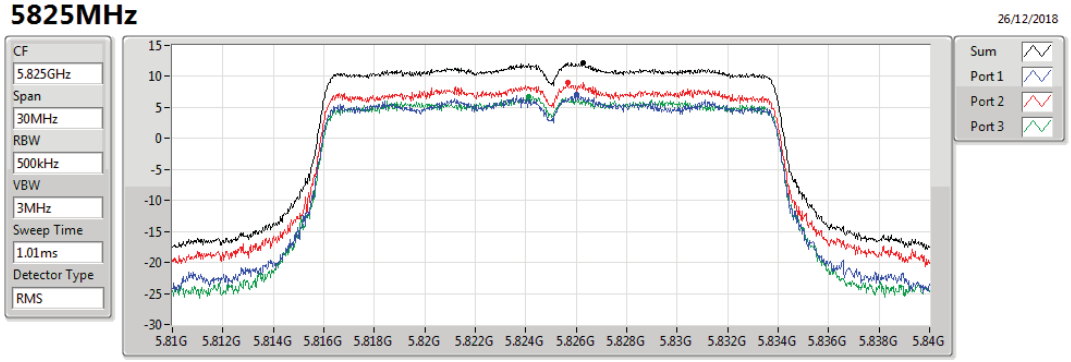
5785MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.39	12.39	7.51	9.18	6.78

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

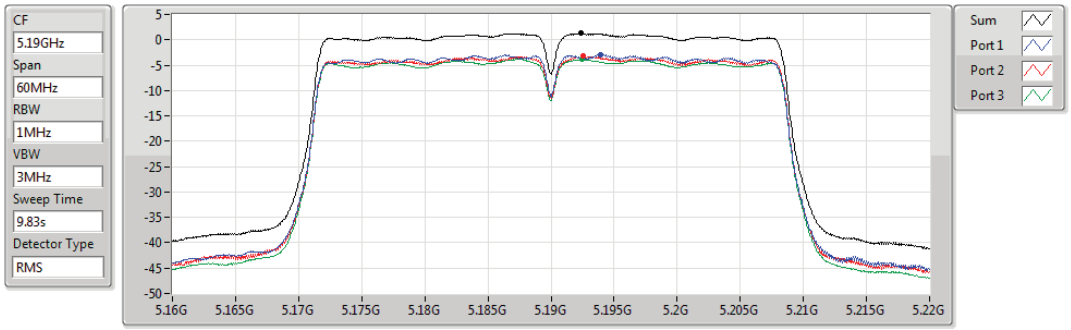
5825MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.14	12.14	7.01	9.00	6.73

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

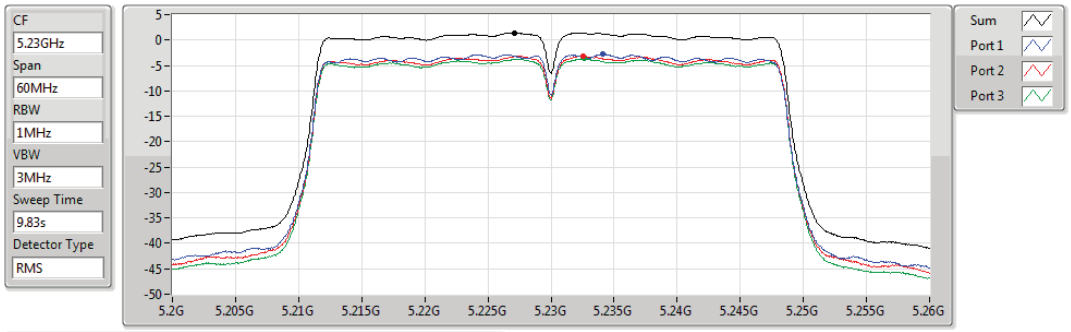
5190MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.25	1.25	-2.89	-3.24	-3.82

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

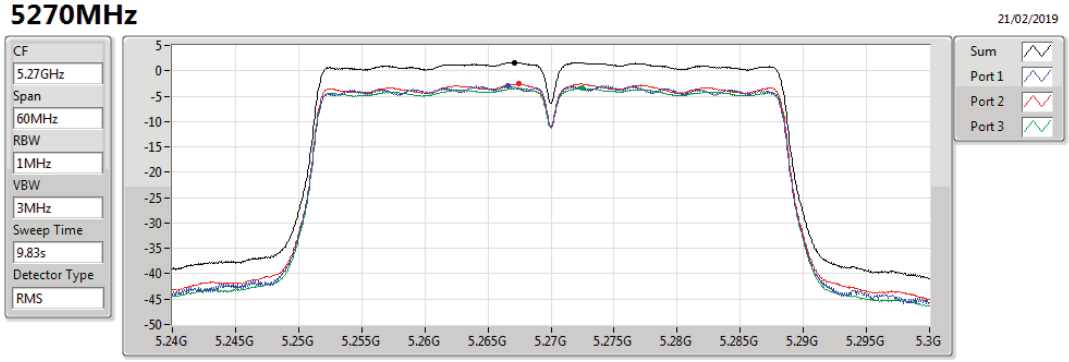
5230MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.40	1.40	-2.81	-3.12	-3.69

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

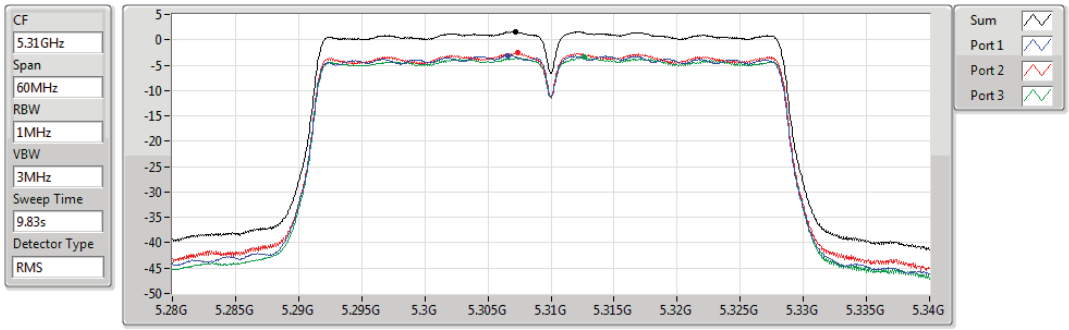
5270MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.66	1.66	-2.97	-2.59	-3.41

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

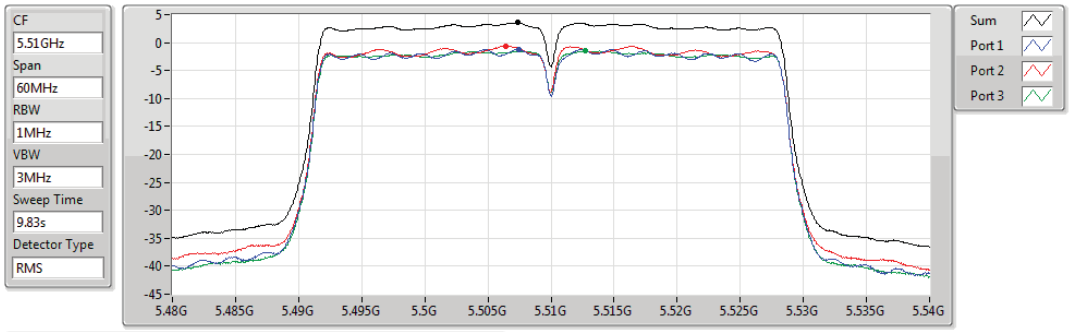
5310MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.58	1.58	-3.16	-2.60	-3.42

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

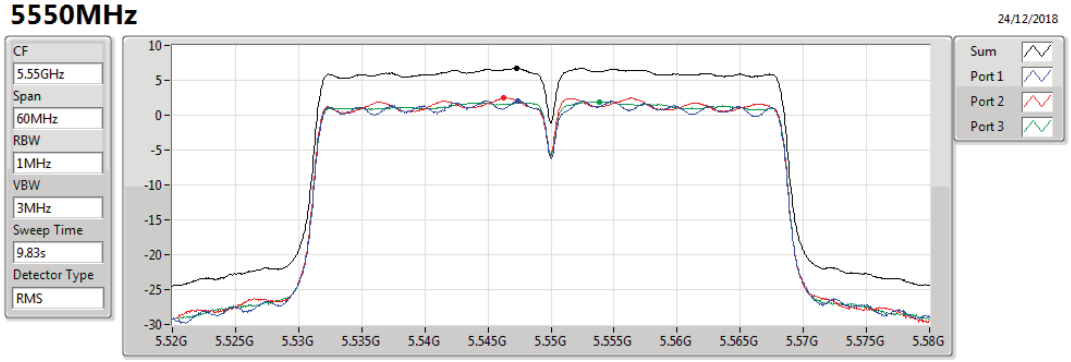
5510MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.54	3.54	-1.17	-0.61	-1.52

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

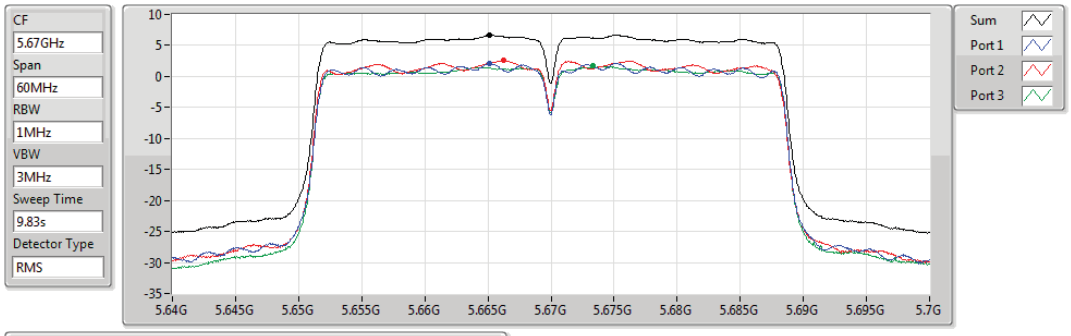
5550MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.74	6.74	2.07	2.51	1.94

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

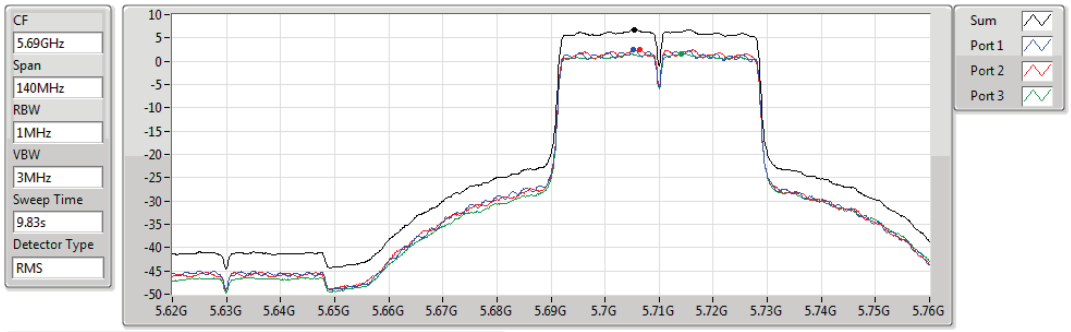
5670MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.65	6.65	2.12	2.61	1.66

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

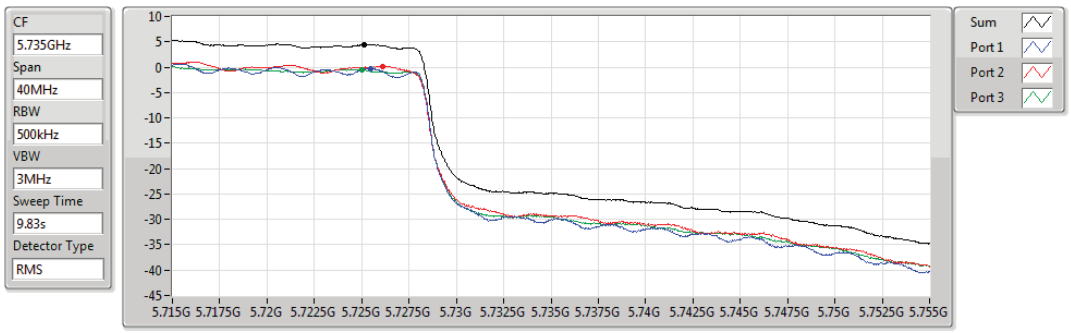
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.80	6.80	2.41	2.54	1.55

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

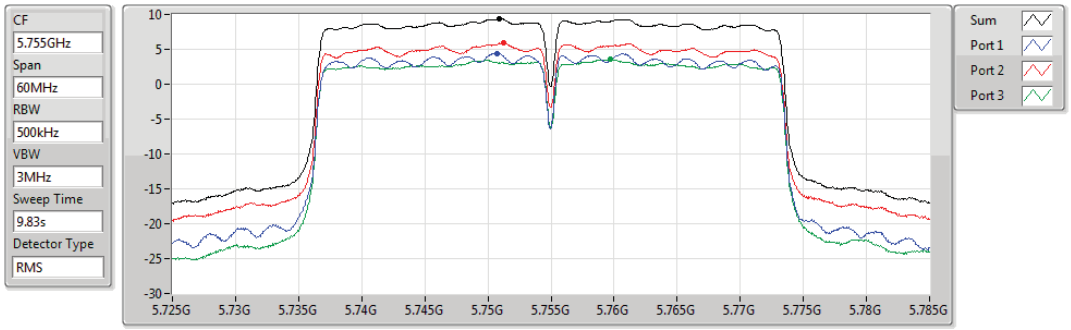
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.44	4.44	-0.26	0.21	-0.56

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

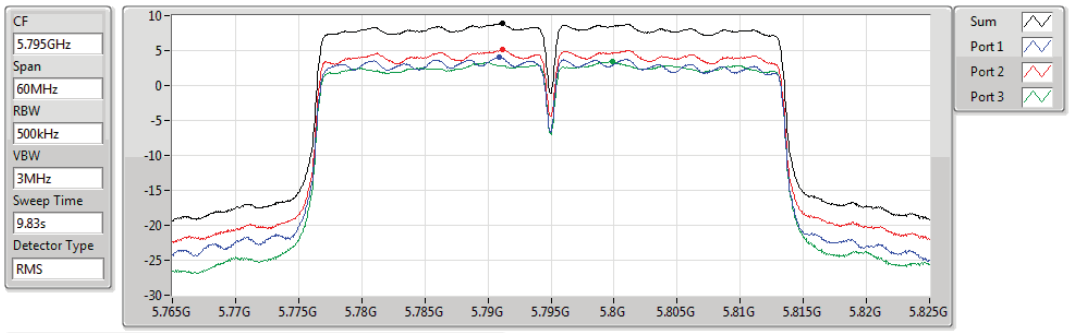
5755MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.33	9.33	4.44	5.96	3.55

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

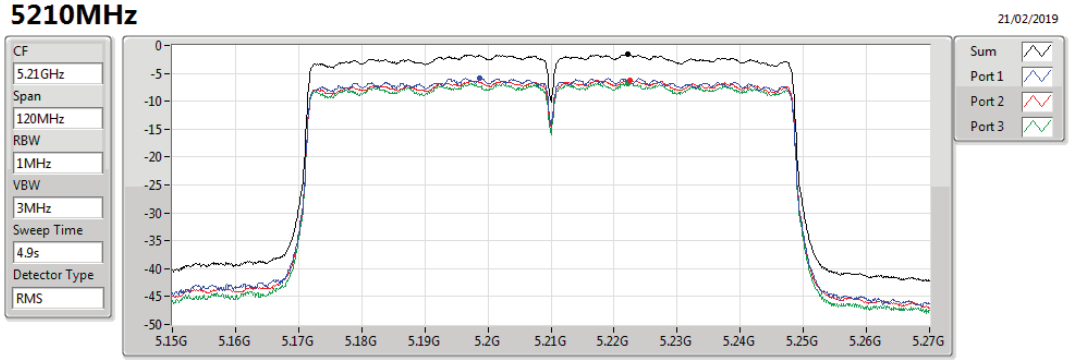
5795MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.90	8.90	4.05	5.21	3.42

802.11ac VHT80_Nss1,(MCS0)_3TX PSD

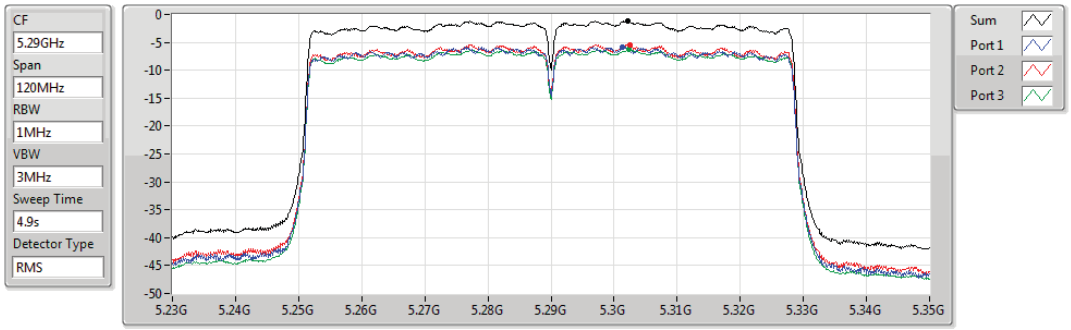
5210MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.66	-1.66	-5.87	-6.20	-6.76

802.11ac VHT80_Nss1,(MCS0)_3TX PSD

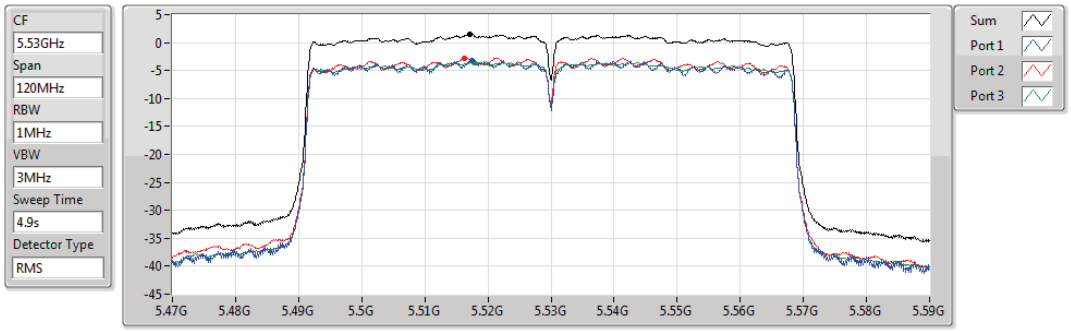
5290MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.18	-1.18	-5.82	-5.40	-6.30

802.11ac VHT80_Nss1,(MCS0)_3TX PSD

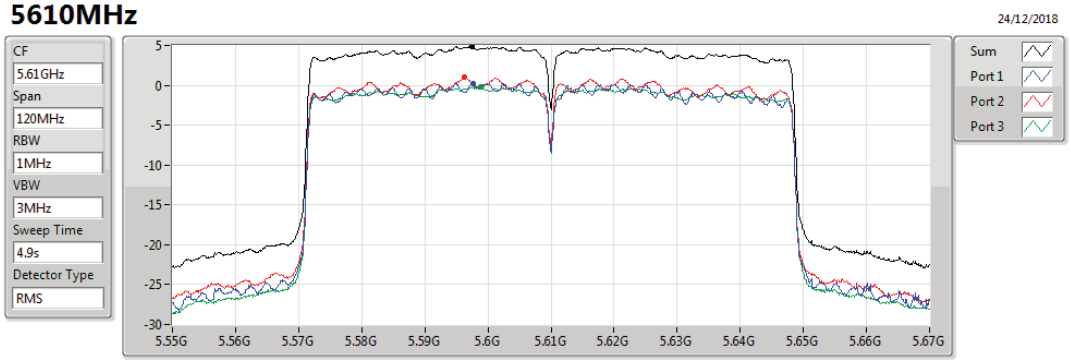
5530MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.50	1.50	-3.15	-2.75	-3.54

802.11ac VHT80_Nss1,(MCS0)_3TX PSD

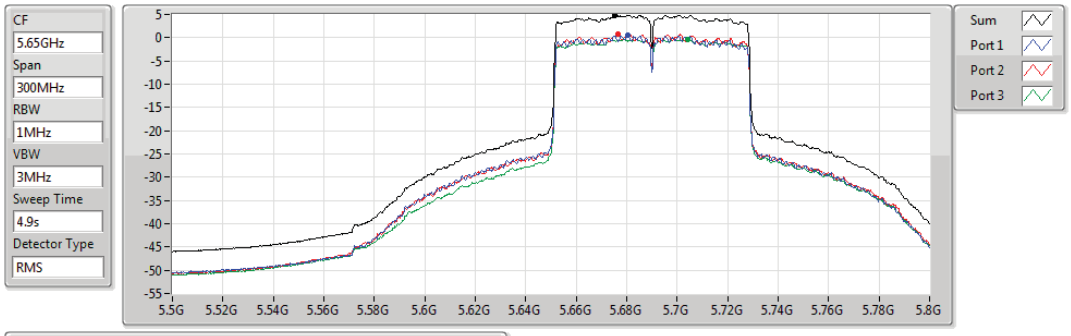
5610MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.91	4.91	0.28	1.02	-0.21

802.11ac VHT80_Nss1,(MCS0)_3TX PSD

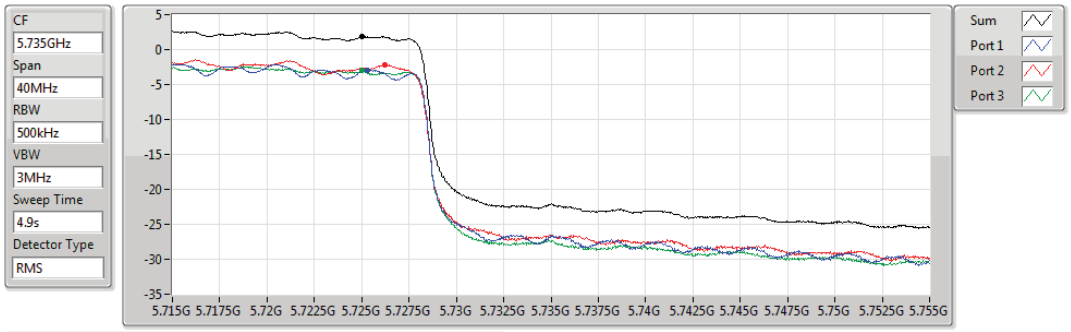
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.84	4.84	0.43	0.81	-0.34

802.11ac VHT80_Nss1,(MCS0)_3TX PSD

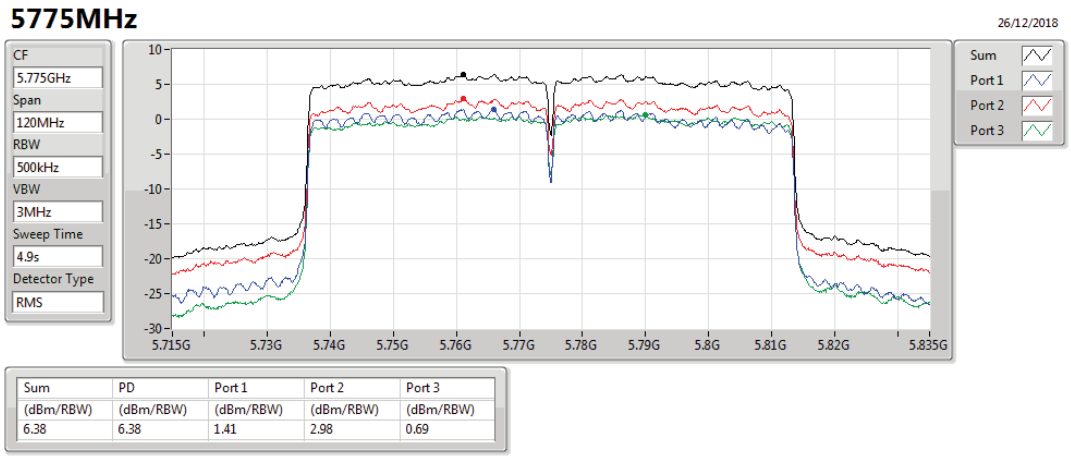
5690MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.87	1.87	-2.93	-2.15	-3.03

802.11ac VHT80_Nss1,(MCS0)_3TX **PSD**

5775MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.38	6.38	1.41	2.98	0.69

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_3TX	Pass	PK	198.7M	34.75	43.50	-8.75	-10.00	3	Horizontal	360	2.00	-

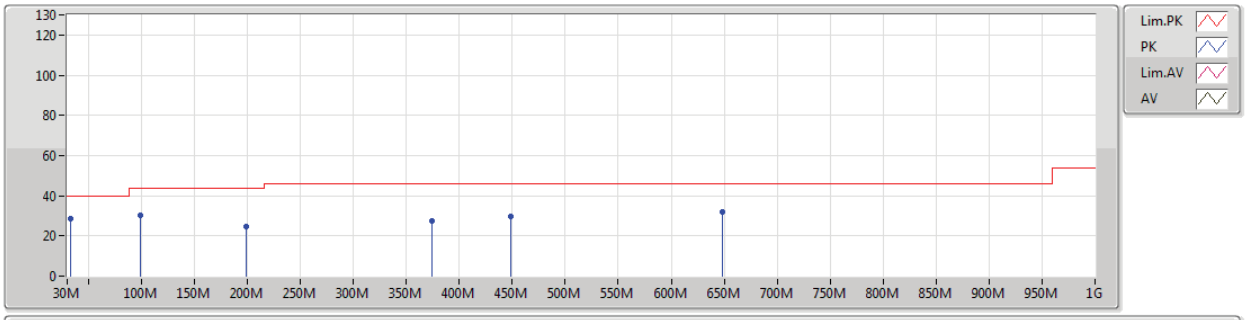
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	32.81M	28.53	40.00	-11.47	-4.40	3	Vertical	0	1.00	-
5775MHz	Pass	PK	98.88M	30.24	43.50	-13.26	-9.51	3	Vertical	0	1.00	-
5775MHz	Pass	PK	198.7M	24.46	43.50	-19.04	-10.00	3	Vertical	0	1.00	-
5775MHz	Pass	PK	374.42M	27.46	46.00	-18.54	-4.09	3	Vertical	0	1.00	-
5775MHz	Pass	PK	448.93M	29.50	46.00	-16.50	-2.27	3	Vertical	0	1.00	-
5775MHz	Pass	PK	648.55M	31.68	46.00	-14.32	0.48	3	Vertical	0	1.00	-
5775MHz	Pass	PK	37.03M	25.69	40.00	-14.31	-6.68	3	Horizontal	360	2.00	-
5775MHz	Pass	PK	198.7M	34.75	43.50	-8.75	-10.00	3	Horizontal	360	2.00	-
5775MHz	Pass	PK	298.51M	35.46	46.00	-10.54	-6.01	3	Horizontal	360	2.00	-
5775MHz	Pass	PK	374.42M	35.39	46.00	-10.61	-4.09	3	Horizontal	360	2.00	-
5775MHz	Pass	PK	398.32M	34.89	46.00	-11.11	-3.45	3	Horizontal	360	2.00	-
5775MHz	Pass	PK	448.93M	36.55	46.00	-9.45	-2.27	3	Horizontal	360	2.00	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_Adapter

23/12/2018

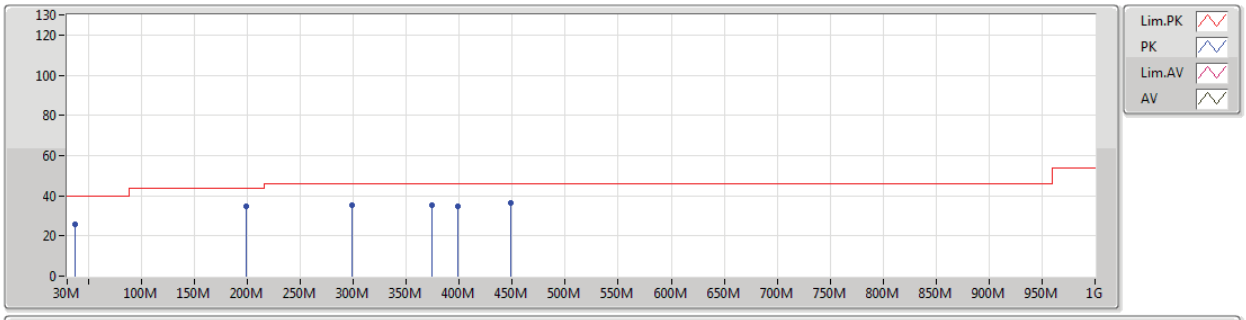


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	32.81M	28.53	40.00	-11.47	-4.40	3	Vertical	0	1.00	-
PK	98.88M	30.24	43.50	-13.26	-9.51	3	Vertical	0	1.00	-
PK	198.7M	24.46	43.50	-19.04	-10.00	3	Vertical	0	1.00	-
PK	374.42M	27.46	46.00	-18.54	-4.09	3	Vertical	0	1.00	-
PK	448.93M	29.50	46.00	-16.50	-2.27	3	Vertical	0	1.00	-
PK	648.55M	31.68	46.00	-14.32	0.48	3	Vertical	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_3TX

23/12/2018

5775MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	37.03M	25.69	40.00	-14.31	-6.68	3	Horizontal	360	2.00	-
PK	198.7M	34.75	43.50	-8.75	-10.00	3	Horizontal	360	2.00	-
PK	298.51M	35.46	46.00	-10.54	-6.01	3	Horizontal	360	2.00	-
PK	374.42M	35.39	46.00	-10.61	-4.09	3	Horizontal	360	2.00	-
PK	398.32M	34.89	46.00	-11.11	-3.45	3	Horizontal	360	2.00	-
PK	448.93M	36.55	46.00	-9.45	-2.27	3	Horizontal	360	2.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	Pass	AV	5.1208G	51.38	54.00	-2.62	3.97	3	Horizontal	257	1.00	-
802.11ac VHT20_Nss1,(MCS0)_3TX	Pass	AV	5.0976G	53.75	54.00	-0.25	3.94	3	Horizontal	222	1.01	-
802.11ac VHT40_Nss1,(MCS0)_3TX	Pass	AV	5.15G	53.80	54.00	-0.20	4.01	3	Horizontal	257	1.00	-
802.11ac VHT80_Nss1,(MCS0)_3TX	Pass	AV	5.148G	53.71	54.00	-0.29	4.01	3	Horizontal	220	1.01	-
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	Pass	AV	5.3812G	49.23	54.00	-4.77	4.30	3	Vertical	137	2.92	-
802.11ac VHT20_Nss1,(MCS0)_3TX	Pass	AV	5.378G	53.68	54.00	-0.32	4.30	3	Horizontal	221	1.01	-
802.11ac VHT40_Nss1,(MCS0)_3TX	Pass	AV	5.3528G	53.96	54.00	-0.04	4.26	3	Horizontal	220	1.00	-
802.11ac VHT80_Nss1,(MCS0)_3TX	Pass	AV	5.353G	53.64	54.00	-0.36	4.26	3	Horizontal	222	1.01	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	Pass	PK	5.7252G	67.42	68.20	-0.78	4.93	3	Horizontal	267	2.87	-
802.11ac VHT20_Nss1,(MCS0)_3TX	Pass	AV	5.4224G	53.36	54.00	-0.64	4.35	3	Horizontal	219	1.01	-
802.11ac VHT40_Nss1,(MCS0)_3TX	Pass	AV	5.458G	53.79	54.00	-0.21	4.39	3	Horizontal	219	1.00	-
802.11ac VHT80_Nss1,(MCS0)_3TX	Pass	PK	5.734G	67.67	68.20	-0.53	3.60	3	Horizontal	73	1.11	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port3)	Pass	PK	5.5894G	60.67	68.20	-7.53	4.61	3	Horizontal	343	1.04	-
802.11ac VHT20_Nss1,(MCS0)_3TX	Pass	AV	11.48568G	46.97	54.00	-7.03	16.58	3	Vertical	98	1.14	-
802.11ac VHT40_Nss1,(MCS0)_3TX	Pass	PK	5.6542G	68.21	71.31	-3.10	4.76	3	Vertical	272	2.99	-
802.11ac VHT80_Nss1,(MCS0)_3TX	Pass	PK	5.6514G	67.16	69.24	-2.08	3.44	3	Horizontal	70	1.14	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_1TX(Port3)	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	47.82	54.00	-6.18	4.01	3	Vertical	120	1.00	-
5180MHz	Pass	AV	5.179G	94.48	Inf	-Inf	4.05	3	Vertical	120	1.00	-
5180MHz	Pass	PK	5.1498G	61.88	74.00	-12.12	4.01	3	Vertical	120	1.00	-
5180MHz	Pass	PK	5.1782G	102.94	Inf	-Inf	4.05	3	Vertical	120	1.00	-
5180MHz	Pass	AV	5.15G	51.28	54.00	-2.72	4.01	3	Horizontal	258	1.00	-
5180MHz	Pass	AV	5.179G	101.36	Inf	-Inf	4.05	3	Horizontal	258	1.00	-
5180MHz	Pass	PK	5.15G	68.88	74.00	-5.12	4.01	3	Horizontal	258	1.00	-
5180MHz	Pass	PK	5.1782G	109.89	Inf	-Inf	4.05	3	Horizontal	258	1.00	-
5180MHz	Pass	AV	10.36192G	48.12	54.00	-5.88	12.64	3	Vertical	90	1.01	-
5180MHz	Pass	PK	10.36246G	62.25	74.00	-11.75	12.64	3	Vertical	90	1.01	-
5180MHz	Pass	AV	10.35778G	43.02	54.00	-10.98	12.63	3	Horizontal	208	2.11	-
5180MHz	Pass	PK	10.35868G	57.91	74.00	-16.09	12.63	3	Horizontal	208	2.11	-
5200MHz	Pass	AV	5.118G	47.57	54.00	-6.43	3.97	3	Vertical	120	1.00	-
5200MHz	Pass	AV	5.1992G	93.18	Inf	-Inf	4.08	3	Vertical	120	1.00	-
5200MHz	Pass	PK	5.1228G	59.22	74.00	-14.78	3.97	3	Vertical	120	1.00	-
5200MHz	Pass	PK	5.1984G	101.51	Inf	-Inf	4.08	3	Vertical	120	1.00	-
5200MHz	Pass	AV	5.1208G	51.38	54.00	-2.62	3.97	3	Horizontal	257	1.00	-
5200MHz	Pass	AV	5.2008G	100.76	Inf	-Inf	4.08	3	Horizontal	257	1.00	-
5200MHz	Pass	PK	5.1176G	61.38	74.00	-12.62	3.97	3	Horizontal	257	1.00	-
5200MHz	Pass	PK	5.198G	109.08	Inf	-Inf	4.08	3	Horizontal	257	1.00	-
5200MHz	Pass	AV	10.39826G	45.04	54.00	-8.96	15.92	3	Vertical	341	2.15	-
5200MHz	Pass	PK	10.40372G	56.57	74.00	-17.43	15.93	3	Vertical	341	2.15	-
5200MHz	Pass	AV	10.40162G	45.77	54.00	-8.23	15.92	3	Horizontal	178	1.14	-
5200MHz	Pass	PK	10.40234G	58.06	74.00	-15.94	15.92	3	Horizontal	178	1.14	-
5240MHz	Pass	AV	5.1482G	46.58	54.00	-7.42	4.01	3	Vertical	121	1.00	-
5240MHz	Pass	AV	5.2406G	93.03	Inf	-Inf	4.12	3	Vertical	121	1.00	-
5240MHz	Pass	AV	5.3852G	46.83	54.00	-7.17	4.30	3	Vertical	121	1.00	-
5240MHz	Pass	PK	5.1026G	57.56	74.00	-16.44	3.95	3	Vertical	121	1.00	-
5240MHz	Pass	PK	5.2382G	101.50	Inf	-Inf	4.12	3	Vertical	121	1.00	-
5240MHz	Pass	PK	5.3564G	57.86	74.00	-16.14	4.27	3	Vertical	121	1.00	-
5240MHz	Pass	AV	5.1458G	46.75	54.00	-7.25	4.01	3	Horizontal	241	1.50	-
5240MHz	Pass	AV	5.2388G	96.60	Inf	-Inf	4.12	3	Horizontal	241	1.50	-
5240MHz	Pass	AV	5.3708G	46.96	54.00	-7.04	4.28	3	Horizontal	241	1.50	-
5240MHz	Pass	PK	5.1242G	58.28	74.00	-15.72	3.97	3	Horizontal	241	1.50	-
5240MHz	Pass	PK	5.2382G	105.03	Inf	-Inf	4.12	3	Horizontal	241	1.50	-
5240MHz	Pass	PK	5.3654G	58.29	74.00	-15.71	4.28	3	Horizontal	241	1.50	-
5240MHz	Pass	AV	10.4884G	44.32	54.00	-9.68	16.06	3	Vertical	229	1.50	-
5240MHz	Pass	PK	10.4788G	56.96	74.00	-17.04	16.04	3	Vertical	229	1.50	-
5240MHz	Pass	AV	10.47562G	45.63	54.00	-8.37	16.04	3	Horizontal	175	1.05	-
5240MHz	Pass	PK	10.47826G	57.59	74.00	-16.41	16.04	3	Horizontal	175	1.05	-
5260MHz	Pass	AV	5.1424G	46.73	54.00	-7.27	4.01	3	Vertical	121	1.01	-
5260MHz	Pass	AV	5.2588G	92.66	Inf	-Inf	4.16	3	Vertical	121	1.01	-
5260MHz	Pass	AV	5.3974G	46.81	54.00	-7.19	4.32	3	Vertical	121	1.01	-
5260MHz	Pass	PK	5.1274G	57.86	74.00	-16.14	3.99	3	Vertical	121	1.01	-
5260MHz	Pass	PK	5.2582G	101.03	Inf	-Inf	4.15	3	Vertical	121	1.01	-
5260MHz	Pass	PK	5.3608G	58.04	74.00	-15.96	4.28	3	Vertical	121	1.01	-
5260MHz	Pass	AV	5.1484G	46.77	54.00	-7.23	4.01	3	Horizontal	258	1.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	AV	5.2588G	100.47	Inf	-Inf	4.16	3	Horizontal	258	1.00	-
5260MHz	Pass	AV	5.38G	47.00	54.00	-7.00	4.30	3	Horizontal	258	1.00	-
5260MHz	Pass	PK	5.1166G	57.95	74.00	-16.05	3.97	3	Horizontal	258	1.00	-
5260MHz	Pass	PK	5.2582G	108.66	Inf	-Inf	4.15	3	Horizontal	258	1.00	-
5260MHz	Pass	PK	5.3548G	59.00	74.00	-15.00	4.27	3	Horizontal	258	1.00	-
5260MHz	Pass	AV	10.52438G	47.41	54.00	-6.59	16.12	3	Vertical	239	1.50	-
5260MHz	Pass	PK	10.52432G	61.24	74.00	-12.76	16.12	3	Vertical	239	1.50	-
5260MHz	Pass	AV	10.52444G	45.87	54.00	-8.13	16.12	3	Horizontal	177	1.50	-
5260MHz	Pass	PK	10.52426G	59.12	74.00	-14.88	16.12	3	Horizontal	177	1.50	-
5300MHz	Pass	AV	5.2988G	96.73	Inf	-Inf	4.20	3	Vertical	137	2.92	-
5300MHz	Pass	AV	5.3812G	49.23	54.00	-4.77	4.30	3	Vertical	137	2.92	-
5300MHz	Pass	PK	5.2984G	104.93	Inf	-Inf	4.20	3	Vertical	137	2.92	-
5300MHz	Pass	PK	5.3796G	60.18	74.00	-13.82	4.30	3	Vertical	137	2.92	-
5300MHz	Pass	AV	5.2988G	97.99	Inf	-Inf	4.20	3	Horizontal	230	1.50	-
5300MHz	Pass	AV	5.3784G	49.22	54.00	-4.78	4.30	3	Horizontal	230	1.50	-
5300MHz	Pass	PK	5.2984G	106.54	Inf	-Inf	4.20	3	Horizontal	230	1.50	-
5300MHz	Pass	PK	5.3792G	59.88	74.00	-14.12	4.30	3	Horizontal	230	1.50	-
5300MHz	Pass	AV	10.60258G	44.28	54.00	-9.72	16.25	3	Vertical	337	1.50	-
5300MHz	Pass	PK	10.59154G	55.99	74.00	-18.01	16.23	3	Vertical	337	1.50	-
5300MHz	Pass	AV	10.59478G	45.19	54.00	-8.81	16.23	3	Horizontal	173	1.00	-
5300MHz	Pass	PK	10.5982G	57.91	74.00	-16.09	16.24	3	Horizontal	173	1.00	-
5320MHz	Pass	AV	5.319G	96.00	Inf	-Inf	4.23	3	Vertical	136	2.77	-
5320MHz	Pass	AV	5.35G	48.65	54.00	-5.35	4.26	3	Vertical	136	2.77	-
5320MHz	Pass	PK	5.3182G	104.38	Inf	-Inf	4.23	3	Vertical	136	2.77	-
5320MHz	Pass	PK	5.351G	62.59	74.00	-11.41	4.26	3	Vertical	136	2.77	-
5320MHz	Pass	AV	5.321G	96.74	Inf	-Inf	4.23	3	Horizontal	242	1.50	-
5320MHz	Pass	AV	5.35G	48.65	54.00	-5.35	4.26	3	Horizontal	242	1.50	-
5320MHz	Pass	PK	5.3182G	105.14	Inf	-Inf	4.23	3	Horizontal	242	1.50	-
5320MHz	Pass	PK	5.3518G	64.23	74.00	-9.77	4.26	3	Horizontal	242	1.50	-
5320MHz	Pass	AV	10.6253G	43.95	54.00	-10.05	16.30	3	Vertical	198	1.50	-
5320MHz	Pass	PK	10.6454G	55.39	74.00	-18.61	16.32	3	Vertical	198	1.50	-
5320MHz	Pass	AV	10.63976G	45.31	54.00	-8.69	16.31	3	Horizontal	177	1.02	-
5320MHz	Pass	PK	10.64252G	57.37	74.00	-16.63	16.31	3	Horizontal	177	1.02	-
5500MHz	Pass	AV	5.4192G	48.36	54.00	-5.64	4.34	3	Vertical	133	2.89	-
5500MHz	Pass	AV	5.4988G	97.30	Inf	-Inf	4.45	3	Vertical	133	2.89	-
5500MHz	Pass	PK	5.4696G	64.89	68.20	-3.31	4.41	3	Vertical	133	2.89	-
5500MHz	Pass	PK	5.498G	105.71	Inf	-Inf	4.45	3	Vertical	133	2.89	-
5500MHz	Pass	AV	5.4188G	50.75	54.00	-3.25	4.34	3	Horizontal	271	1.01	-
5500MHz	Pass	AV	5.4988G	98.61	Inf	-Inf	4.45	3	Horizontal	271	1.01	-
5500MHz	Pass	PK	5.4696G	64.70	68.20	-3.50	4.41	3	Horizontal	271	1.01	-
5500MHz	Pass	PK	5.498G	107.00	Inf	-Inf	4.45	3	Horizontal	271	1.01	-
5500MHz	Pass	AV	10.99652G	45.40	54.00	-8.60	16.91	3	Vertical	0	2.27	-
5500MHz	Pass	PK	11.01074G	56.85	74.00	-17.15	16.90	3	Vertical	0	2.27	-
5500MHz	Pass	AV	11.00192G	45.38	54.00	-8.62	16.91	3	Horizontal	62	1.50	-
5500MHz	Pass	PK	10.98506G	57.15	74.00	-16.85	16.88	3	Horizontal	62	1.50	-
5580MHz	Pass	AV	5.4498G	46.82	54.00	-7.18	4.38	3	Vertical	65	2.96	-
5580MHz	Pass	AV	5.5788G	98.77	Inf	-Inf	4.60	3	Vertical	65	2.96	-
5580MHz	Pass	PK	5.4654G	57.61	68.20	-10.59	4.41	3	Vertical	65	2.96	-
5580MHz	Pass	PK	5.5806G	106.65	Inf	-Inf	4.60	3	Vertical	65	2.96	-

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	5.7252G	58.09	68.20	-10.11	4.93	3	Vertical	65	2.96	-
5580MHz	Pass	AV	5.4402G	46.88	54.00	-7.12	4.37	3	Horizontal	250	2.97	-
5580MHz	Pass	AV	5.5788G	98.94	Inf	-Inf	4.60	3	Horizontal	250	2.97	-
5580MHz	Pass	PK	5.469G	57.58	68.20	-10.62	4.41	3	Horizontal	250	2.97	-
5580MHz	Pass	PK	5.5782G	107.26	Inf	-Inf	4.59	3	Horizontal	250	2.97	-
5580MHz	Pass	PK	5.7282G	58.20	68.20	-10.00	4.94	3	Horizontal	250	2.97	-
5580MHz	Pass	AV	11.14602G	44.89	54.00	-9.11	16.82	3	Vertical	26	1.01	-
5580MHz	Pass	PK	11.14902G	56.26	74.00	-17.74	16.81	3	Vertical	26	1.01	-
5580MHz	Pass	AV	11.16228G	45.02	54.00	-8.98	16.80	3	Horizontal	358	1.50	-
5580MHz	Pass	PK	11.1483G	56.55	74.00	-17.45	16.81	3	Horizontal	358	1.50	-
5700MHz	Pass	AV	5.7008G	100.01	Inf	-Inf	4.87	3	Vertical	69	2.99	-
5700MHz	Pass	PK	5.7008G	107.88	Inf	-Inf	4.87	3	Vertical	69	2.99	-
5700MHz	Pass	PK	5.7252G	67.20	68.20	-1.00	4.93	3	Vertical	69	2.99	-
5700MHz	Pass	AV	5.6988G	99.67	Inf	-Inf	4.87	3	Horizontal	267	2.87	-
5700MHz	Pass	PK	5.6984G	108.25	Inf	-Inf	4.87	3	Horizontal	267	2.87	-
5700MHz	Pass	PK	5.7252G	67.42	68.20	-0.78	4.93	3	Horizontal	267	2.87	-
5700MHz	Pass	AV	11.3874G	44.95	54.00	-9.05	16.65	3	Vertical	165	1.33	-
5700MHz	Pass	PK	11.4108G	56.53	74.00	-17.47	16.63	3	Vertical	165	1.33	-
5700MHz	Pass	AV	11.41368G	44.92	54.00	-9.08	16.63	3	Horizontal	342	1.50	-
5700MHz	Pass	PK	11.38896G	56.42	74.00	-17.58	16.65	3	Horizontal	342	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4212G	46.84	54.00	-7.16	4.34	3	Vertical	70	2.97	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7212G	98.00	Inf	-Inf	4.93	3	Vertical	70	2.97	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4668G	57.17	68.20	-11.03	4.41	3	Vertical	70	2.97	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7188G	106.19	Inf	-Inf	4.92	3	Vertical	70	2.97	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8652G	59.29	68.20	-8.91	5.18	3	Vertical	70	2.97	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4512G	46.82	54.00	-7.18	4.39	3	Horizontal	340	2.90	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7188G	100.03	Inf	-Inf	4.92	3	Horizontal	340	2.90	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4644G	57.80	68.20	-10.40	4.41	3	Horizontal	340	2.90	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7176G	108.36	Inf	-Inf	4.91	3	Horizontal	340	2.90	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8676G	59.59	68.20	-8.61	5.18	3	Horizontal	340	2.90	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.45296G	44.78	54.00	-9.22	16.60	3	Vertical	241	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.4298G	56.92	74.00	-17.08	16.62	3	Vertical	241	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.42818G	44.91	54.00	-9.09	16.62	3	Horizontal	159	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43652G	56.62	74.00	-17.38	16.61	3	Horizontal	159	1.50	-
5745MHz	Pass	AV	5.7438G	97.25	Inf	-Inf	4.98	3	Vertical	71	2.95	-
5745MHz	Pass	PK	5.5746G	59.68	68.20	-8.52	4.58	3	Vertical	71	2.95	-
5745MHz	Pass	PK	5.7462G	105.15	Inf	-Inf	4.98	3	Vertical	71	2.95	-
5745MHz	Pass	PK	5.9478G	59.34	68.20	-8.86	5.26	3	Vertical	71	2.95	-
5745MHz	Pass	AV	5.7462G	99.04	Inf	-Inf	4.98	3	Horizontal	342	2.87	-
5745MHz	Pass	PK	5.6178G	59.00	68.20	-9.20	4.66	3	Horizontal	342	2.87	-
5745MHz	Pass	PK	5.7426G	107.18	Inf	-Inf	4.98	3	Horizontal	342	2.87	-
5745MHz	Pass	PK	5.955G	59.18	68.20	-9.02	5.26	3	Horizontal	342	2.87	-
5745MHz	Pass	AV	11.49258G	44.41	54.00	-9.59	16.58	3	Vertical	273	1.65	-
5745MHz	Pass	PK	11.4903G	56.59	74.00	-17.41	16.57	3	Vertical	273	1.65	-
5745MHz	Pass	AV	11.48376G	44.50	54.00	-9.50	16.58	3	Horizontal	96	1.50	-
5745MHz	Pass	PK	11.4786G	55.80	74.00	-18.20	16.59	3	Horizontal	96	1.50	-
5785MHz	Pass	AV	5.7838G	100.83	Inf	-Inf	5.08	3	Vertical	71	2.91	-
5785MHz	Pass	PK	5.5774G	58.94	68.20	-9.26	4.59	3	Vertical	71	2.91	-
5785MHz	Pass	PK	5.7838G	108.79	Inf	-Inf	5.08	3	Vertical	71	2.91	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5785MHz	Pass	PK	5.971G	59.40	68.20	-8.80	5.28	3	Vertical	71	2.91	-
5785MHz	Pass	AV	5.7862G	98.39	Inf	-Inf	5.08	3	Horizontal	343	1.04	-
5785MHz	Pass	PK	5.5894G	60.67	68.20	-7.53	4.61	3	Horizontal	343	1.04	-
5785MHz	Pass	PK	5.7838G	106.73	Inf	-Inf	5.08	3	Horizontal	343	1.04	-
5785MHz	Pass	PK	5.953G	60.59	68.20	-7.61	5.25	3	Horizontal	343	1.04	-
5785MHz	Pass	AV	11.56328G	44.06	54.00	-9.94	16.53	3	Vertical	149	2.08	-
5785MHz	Pass	PK	11.55854G	55.62	74.00	-18.38	16.54	3	Vertical	149	2.08	-
5785MHz	Pass	AV	11.58374G	44.21	54.00	-9.79	16.51	3	Horizontal	327	1.50	-
5785MHz	Pass	PK	11.55536G	55.50	74.00	-18.50	16.53	3	Horizontal	327	1.50	-
5825MHz	Pass	AV	5.8262G	100.48	Inf	-Inf	5.14	3	Vertical	71	2.89	-
5825MHz	Pass	PK	5.5958G	59.28	68.20	-8.92	4.62	3	Vertical	71	2.89	-
5825MHz	Pass	PK	5.8238G	108.81	Inf	-Inf	5.14	3	Vertical	71	2.89	-
5825MHz	Pass	PK	5.9822G	59.37	68.20	-8.83	5.29	3	Vertical	71	2.89	-
5825MHz	Pass	AV	5.8238G	98.50	Inf	-Inf	5.14	3	Horizontal	342	1.01	-
5825MHz	Pass	PK	5.5862G	59.43	68.20	-8.77	4.60	3	Horizontal	342	1.01	-
5825MHz	Pass	PK	5.8226G	106.70	Inf	-Inf	5.14	3	Horizontal	342	1.01	-
5825MHz	Pass	PK	5.9546G	59.76	68.20	-8.44	5.26	3	Horizontal	342	1.01	-
5825MHz	Pass	AV	11.6425G	44.15	54.00	-9.85	16.48	3	Vertical	195	2.03	-
5825MHz	Pass	PK	11.65876G	55.79	74.00	-18.21	16.47	3	Vertical	195	2.03	-
5825MHz	Pass	AV	11.6365G	44.18	54.00	-9.82	16.48	3	Horizontal	71	2.74	-
5825MHz	Pass	PK	11.64178G	56.59	74.00	-17.41	16.48	3	Horizontal	71	2.74	-
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.0992G	49.98	54.00	-4.02	3.94	3	Vertical	195	2.97	-
5180MHz	Pass	AV	5.1792G	98.14	Inf	-Inf	4.05	3	Vertical	195	2.97	-
5180MHz	Pass	PK	5.1044G	60.17	74.00	-13.83	3.95	3	Vertical	195	2.97	-
5180MHz	Pass	PK	5.1792G	106.18	Inf	-Inf	4.05	3	Vertical	195	2.97	-
5180MHz	Pass	AV	5.0976G	53.75	54.00	-0.25	3.94	3	Horizontal	222	1.01	-
5180MHz	Pass	AV	5.1776G	103.40	Inf	-Inf	4.05	3	Horizontal	222	1.01	-
5180MHz	Pass	PK	5.098G	62.65	74.00	-11.35	3.94	3	Horizontal	222	1.01	-
5180MHz	Pass	PK	5.1828G	111.72	Inf	-Inf	4.06	3	Horizontal	222	1.01	-
5180MHz	Pass	AV	10.35994G	44.53	54.00	-9.47	15.85	3	Vertical	92	1.17	-
5180MHz	Pass	PK	10.37254G	56.18	74.00	-17.82	15.86	3	Vertical	92	1.17	-
5180MHz	Pass	AV	10.36774G	42.10	54.00	-11.90	13.92	3	Horizontal	175	1.06	-
5180MHz	Pass	PK	10.34968G	54.17	74.00	-19.83	13.89	3	Horizontal	175	1.06	-
5200MHz	Pass	AV	5.1192G	48.99	54.00	-5.01	3.97	3	Vertical	191	2.96	-
5200MHz	Pass	AV	5.1992G	97.21	Inf	-Inf	4.08	3	Vertical	191	2.96	-
5200MHz	Pass	PK	5.1144G	59.08	74.00	-14.92	3.97	3	Vertical	191	2.96	-
5200MHz	Pass	PK	5.204G	105.14	Inf	-Inf	4.08	3	Vertical	191	2.96	-
5200MHz	Pass	AV	5.1208G	53.74	54.00	-0.26	3.97	3	Horizontal	252	1.01	-
5200MHz	Pass	AV	5.2008G	104.72	Inf	-Inf	4.08	3	Horizontal	252	1.01	-
5200MHz	Pass	PK	5.116G	62.47	74.00	-11.53	3.97	3	Horizontal	252	1.01	-
5200MHz	Pass	PK	5.2008G	112.82	Inf	-Inf	4.08	3	Horizontal	252	1.01	-
5200MHz	Pass	AV	10.40522G	44.53	54.00	-9.47	15.93	3	Vertical	90	1.15	-
5200MHz	Pass	PK	10.40498G	56.48	74.00	-17.52	15.93	3	Vertical	90	1.15	-
5200MHz	Pass	AV	10.39844G	44.57	54.00	-9.43	15.92	3	Horizontal	183	1.14	-
5200MHz	Pass	PK	10.39856G	56.15	74.00	-17.85	15.92	3	Horizontal	183	1.14	-
5240MHz	Pass	AV	5.1482G	46.63	54.00	-7.37	4.01	3	Vertical	209	2.91	-
5240MHz	Pass	AV	5.2418G	101.41	Inf	-Inf	4.13	3	Vertical	209	2.91	-
5240MHz	Pass	AV	5.357G	46.96	54.00	-7.04	4.27	3	Vertical	209	2.91	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	PK	5.1116G	58.41	74.00	-15.59	3.96	3	Vertical	209	2.91	-
5240MHz	Pass	PK	5.2418G	108.91	Inf	-Inf	4.13	3	Vertical	209	2.91	-
5240MHz	Pass	PK	5.36G	58.09	74.00	-15.91	4.28	3	Vertical	209	2.91	-
5240MHz	Pass	AV	5.1482G	47.00	54.00	-7.00	4.01	3	Horizontal	227	1.01	-
5240MHz	Pass	AV	5.2376G	105.96	Inf	-Inf	4.12	3	Horizontal	227	1.01	-
5240MHz	Pass	AV	5.3678G	47.18	54.00	-6.82	4.28	3	Horizontal	227	1.01	-
5240MHz	Pass	PK	5.1446G	58.09	74.00	-15.91	4.01	3	Horizontal	227	1.01	-
5240MHz	Pass	PK	5.2376G	114.28	Inf	-Inf	4.12	3	Horizontal	227	1.01	-
5240MHz	Pass	PK	5.3648G	58.29	74.00	-15.71	4.28	3	Horizontal	227	1.01	-
5240MHz	Pass	AV	10.4809G	46.10	54.00	-7.90	16.05	3	Vertical	86	1.01	-
5240MHz	Pass	PK	10.4857G	58.66	74.00	-15.34	16.06	3	Vertical	86	1.01	-
5240MHz	Pass	AV	10.48198G	46.52	54.00	-7.48	16.05	3	Horizontal	204	2.19	-
5240MHz	Pass	PK	10.48588G	59.57	74.00	-14.43	16.06	3	Horizontal	204	2.19	-
5260MHz	Pass	AV	5.1394G	46.75	54.00	-7.25	3.99	3	Vertical	210	2.89	-
5260MHz	Pass	AV	5.2618G	101.97	Inf	-Inf	4.16	3	Vertical	210	2.89	-
5260MHz	Pass	AV	5.4028G	47.02	54.00	-6.98	4.32	3	Vertical	210	2.89	-
5260MHz	Pass	PK	5.1496G	57.41	74.00	-16.59	4.01	3	Vertical	210	2.89	-
5260MHz	Pass	PK	5.2618G	109.62	Inf	-Inf	4.16	3	Vertical	210	2.89	-
5260MHz	Pass	PK	5.368G	58.66	74.00	-15.34	4.28	3	Vertical	210	2.89	-
5260MHz	Pass	AV	5.1472G	47.17	54.00	-6.83	4.01	3	Horizontal	219	1.00	-
5260MHz	Pass	AV	5.2576G	106.77	Inf	-Inf	4.15	3	Horizontal	219	1.00	-
5260MHz	Pass	AV	5.3608G	47.51	54.00	-6.49	4.28	3	Horizontal	219	1.00	-
5260MHz	Pass	PK	5.1376G	58.27	74.00	-15.73	3.99	3	Horizontal	219	1.00	-
5260MHz	Pass	PK	5.2522G	114.79	Inf	-Inf	4.15	3	Horizontal	219	1.00	-
5260MHz	Pass	PK	5.3866G	58.81	74.00	-15.19	4.30	3	Horizontal	219	1.00	-
5260MHz	Pass	AV	10.52043G	44.12	54.00	-9.88	16.12	3	Vertical	122	2.99	-
5260MHz	Pass	PK	10.52084G	55.98	74.00	-18.02	16.12	3	Vertical	122	2.99	-
5260MHz	Pass	AV	10.51967G	44.54	54.00	-9.46	16.11	3	Horizontal	8	1.50	-
5260MHz	Pass	PK	10.52125G	56.26	74.00	-17.74	16.12	3	Horizontal	8	1.50	-
5300MHz	Pass	AV	5.3016G	101.60	Inf	-Inf	4.21	3	Vertical	209	2.99	-
5300MHz	Pass	AV	5.3816G	49.42	54.00	-4.58	4.30	3	Vertical	209	2.99	-
5300MHz	Pass	PK	5.302G	110.08	Inf	-Inf	4.21	3	Vertical	209	2.99	-
5300MHz	Pass	PK	5.3768G	59.40	74.00	-14.60	4.30	3	Vertical	209	2.99	-
5300MHz	Pass	AV	5.298G	105.57	Inf	-Inf	4.20	3	Horizontal	221	1.01	-
5300MHz	Pass	AV	5.378G	53.68	54.00	-0.32	4.30	3	Horizontal	221	1.01	-
5300MHz	Pass	PK	5.298G	114.01	Inf	-Inf	4.20	3	Horizontal	221	1.01	-
5300MHz	Pass	PK	5.3824G	62.92	74.00	-11.08	4.30	3	Horizontal	221	1.01	-
5300MHz	Pass	AV	10.58542G	43.82	54.00	-10.18	16.23	3	Vertical	179	1.50	-
5300MHz	Pass	PK	10.60468G	55.28	74.00	-18.72	16.26	3	Vertical	179	1.50	-
5300MHz	Pass	AV	10.6096G	43.92	54.00	-10.08	16.26	3	Horizontal	181	1.29	-
5300MHz	Pass	PK	10.58878G	55.49	74.00	-18.51	16.22	3	Horizontal	181	1.29	-
5320MHz	Pass	AV	5.3216G	101.76	Inf	-Inf	4.23	3	Vertical	209	2.99	-
5320MHz	Pass	AV	5.3516G	49.69	54.00	-4.31	4.26	3	Vertical	209	2.99	-
5320MHz	Pass	PK	5.322G	109.60	Inf	-Inf	4.23	3	Vertical	209	2.99	-
5320MHz	Pass	PK	5.3516G	67.21	74.00	-6.79	4.26	3	Vertical	209	2.99	-
5320MHz	Pass	AV	5.3176G	105.13	Inf	-Inf	4.22	3	Horizontal	222	1.02	-
5320MHz	Pass	AV	5.398G	53.15	54.00	-0.85	4.32	3	Horizontal	222	1.02	-
5320MHz	Pass	PK	5.318G	113.31	Inf	-Inf	4.22	3	Horizontal	222	1.02	-
5320MHz	Pass	PK	5.3524G	69.89	74.00	-4.11	4.26	3	Horizontal	222	1.02	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5320MHz	Pass	AV	10.62932G	41.95	54.00	-12.05	14.54	3	Vertical	172	1.49	-
5320MHz	Pass	PK	10.65038G	53.96	74.00	-20.04	14.58	3	Vertical	172	1.49	-
5320MHz	Pass	AV	10.64396G	44.04	54.00	-9.96	16.32	3	Horizontal	183	1.28	-
5320MHz	Pass	PK	10.62848G	55.73	74.00	-18.27	16.30	3	Horizontal	183	1.28	-
5500MHz	Pass	AV	5.4216G	49.13	54.00	-4.87	4.35	3	Vertical	205	2.97	-
5500MHz	Pass	AV	5.4692G	48.80	Inf	-Inf	4.41	3	Vertical	205	2.97	-
5500MHz	Pass	AV	5.5016G	102.10	Inf	-Inf	4.45	3	Vertical	205	2.97	-
5500MHz	Pass	PK	5.4144G	59.73	74.00	-14.27	4.34	3	Vertical	205	2.97	-
5500MHz	Pass	PK	5.4692G	67.00	68.20	-1.20	4.41	3	Vertical	205	2.97	-
5500MHz	Pass	PK	5.4968G	109.72	Inf	-Inf	4.45	3	Vertical	205	2.97	-
5500MHz	Pass	AV	5.4224G	53.36	54.00	-0.64	4.35	3	Horizontal	219	1.01	-
5500MHz	Pass	AV	5.4676G	49.86	Inf	-Inf	4.41	3	Horizontal	219	1.01	-
5500MHz	Pass	AV	5.498G	104.27	Inf	-Inf	4.45	3	Horizontal	219	1.01	-
5500MHz	Pass	PK	5.418G	62.37	74.00	-11.63	4.34	3	Horizontal	219	1.01	-
5500MHz	Pass	PK	5.4676G	67.44	68.20	-0.76	4.41	3	Horizontal	219	1.01	-
5500MHz	Pass	PK	5.498G	111.75	Inf	-Inf	4.45	3	Horizontal	219	1.01	-
5500MHz	Pass	AV	10.99736G	45.00	54.00	-9.00	16.91	3	Vertical	98	1.13	-
5500MHz	Pass	PK	11.00192G	56.91	74.00	-17.09	16.91	3	Vertical	98	1.13	-
5500MHz	Pass	AV	11.00984G	45.81	54.00	-8.19	16.91	3	Horizontal	294	1.06	-
5500MHz	Pass	PK	11.00204G	57.20	74.00	-16.80	16.91	3	Horizontal	294	1.06	-
5580MHz	Pass	AV	5.4516G	47.05	54.00	-6.95	4.39	3	Vertical	77	2.99	-
5580MHz	Pass	AV	5.577G	105.58	Inf	-Inf	4.59	3	Vertical	77	2.99	-
5580MHz	Pass	PK	5.4624G	57.64	68.20	-10.56	4.40	3	Vertical	77	2.99	-
5580MHz	Pass	PK	5.5818G	113.83	Inf	-Inf	4.60	3	Vertical	77	2.99	-
5580MHz	Pass	PK	5.7294G	58.56	68.20	-9.64	4.94	3	Vertical	77	2.99	-
5580MHz	Pass	AV	5.4528G	47.39	54.00	-6.61	4.39	3	Horizontal	218	1.00	-
5580MHz	Pass	AV	5.5776G	105.56	Inf	-Inf	4.59	3	Horizontal	218	1.00	-
5580MHz	Pass	PK	5.4624G	58.65	68.20	-9.55	4.40	3	Horizontal	218	1.00	-
5580MHz	Pass	PK	5.5776G	113.55	Inf	-Inf	4.59	3	Horizontal	218	1.00	-
5580MHz	Pass	PK	5.7258G	58.20	68.20	-10.00	4.93	3	Horizontal	218	1.00	-
5580MHz	Pass	AV	11.16006G	44.90	54.00	-9.10	16.81	3	Vertical	98	1.11	-
5580MHz	Pass	PK	11.16036G	56.43	74.00	-17.57	16.81	3	Vertical	98	1.11	-
5580MHz	Pass	AV	11.15904G	46.18	54.00	-7.82	16.81	3	Horizontal	297	1.04	-
5580MHz	Pass	PK	11.15448G	57.74	74.00	-16.26	16.80	3	Horizontal	297	1.04	-
5700MHz	Pass	AV	5.6976G	101.28	Inf	-Inf	4.87	3	Vertical	125	2.91	-
5700MHz	Pass	PK	5.6976G	109.47	Inf	-Inf	4.87	3	Vertical	125	2.91	-
5700MHz	Pass	PK	5.7252G	61.96	68.20	-6.24	4.93	3	Vertical	125	2.91	-
5700MHz	Pass	AV	5.7008G	103.01	Inf	-Inf	4.87	3	Horizontal	341	2.95	-
5700MHz	Pass	PK	5.6956G	111.64	Inf	-Inf	4.85	3	Horizontal	341	2.95	-
5700MHz	Pass	PK	5.7252G	67.31	68.20	-0.89	4.93	3	Horizontal	341	2.95	-
5700MHz	Pass	AV	11.39694G	44.68	54.00	-9.32	16.64	3	Vertical	101	1.34	-
5700MHz	Pass	PK	11.39712G	56.14	74.00	-17.86	16.64	3	Vertical	101	1.34	-
5700MHz	Pass	AV	11.39178G	44.66	54.00	-9.34	16.65	3	Horizontal	330	1.45	-
5700MHz	Pass	PK	11.4036G	56.39	74.00	-17.61	16.63	3	Horizontal	330	1.45	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4404G	46.93	54.00	-7.07	4.37	3	Vertical	272	2.89	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7188G	102.18	Inf	-Inf	4.92	3	Vertical	272	2.89	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4608G	56.87	68.20	-11.33	4.40	3	Vertical	272	2.89	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7152G	110.40	Inf	-Inf	4.91	3	Vertical	272	2.89	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8976G	59.40	68.20	-8.80	5.21	3	Vertical	272	2.89	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4416G	46.92	54.00	-7.08	4.37	3	Horizontal	339	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.72G	106.03	Inf	-Inf	4.93	3	Horizontal	339	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.46G	57.92	68.20	-10.28	4.40	3	Horizontal	339	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7152G	113.50	Inf	-Inf	4.91	3	Horizontal	339	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8844G	60.32	68.20	-7.88	5.19	3	Horizontal	339	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43616G	44.43	54.00	-9.57	16.61	3	Vertical	1	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44822G	56.33	74.00	-17.67	16.60	3	Vertical	1	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.4271G	45.50	54.00	-8.50	16.62	3	Horizontal	154	1.61	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43814G	56.03	74.00	-17.97	16.61	3	Horizontal	154	1.61	-
5745MHz	Pass	AV	5.7462G	104.99	Inf	-Inf	4.98	3	Vertical	191	2.89	-
5745MHz	Pass	PK	5.5962G	59.38	68.20	-8.82	4.62	3	Vertical	191	2.89	-
5745MHz	Pass	PK	5.7414G	113.44	Inf	-Inf	4.97	3	Vertical	191	2.89	-
5745MHz	Pass	PK	5.9802G	59.05	68.20	-9.15	5.28	3	Vertical	191	2.89	-
5745MHz	Pass	AV	5.7438G	105.56	Inf	-Inf	4.98	3	Horizontal	41	2.68	-
5745MHz	Pass	PK	5.6286G	59.26	68.20	-8.94	4.70	3	Horizontal	41	2.68	-
5745MHz	Pass	PK	5.7438G	114.10	Inf	-Inf	4.98	3	Horizontal	41	2.68	-
5745MHz	Pass	PK	5.9886G	60.03	68.20	-8.17	5.28	3	Horizontal	41	2.68	-
5745MHz	Pass	AV	11.48568G	46.97	54.00	-7.03	16.58	3	Vertical	98	1.14	-
5745MHz	Pass	PK	11.48568G	57.45	74.00	-16.55	16.58	3	Vertical	98	1.14	-
5745MHz	Pass	AV	11.48628G	46.33	54.00	-7.67	16.58	3	Horizontal	271	1.03	-
5745MHz	Pass	PK	11.49588G	59.51	74.00	-14.49	16.58	3	Horizontal	271	1.03	-
5785MHz	Pass	AV	5.7766G	105.85	Inf	-Inf	5.06	3	Vertical	72	2.96	-
5785MHz	Pass	PK	5.5414G	58.92	68.20	-9.28	4.53	3	Vertical	72	2.96	-
5785MHz	Pass	PK	5.7766G	114.61	Inf	-Inf	5.06	3	Vertical	72	2.96	-
5785MHz	Pass	PK	5.953G	59.42	68.20	-8.78	5.25	3	Vertical	72	2.96	-
5785MHz	Pass	AV	5.7838G	106.64	Inf	-Inf	5.08	3	Horizontal	72	1.00	-
5785MHz	Pass	PK	5.5438G	60.84	68.20	-7.36	4.53	3	Horizontal	72	1.00	-
5785MHz	Pass	PK	5.779G	115.12	Inf	-Inf	5.06	3	Horizontal	72	1.00	-
5785MHz	Pass	PK	5.9458G	59.76	68.20	-8.44	5.25	3	Horizontal	72	1.00	-
5785MHz	Pass	AV	11.56928G	44.61	54.00	-9.39	16.52	3	Vertical	84	1.22	-
5785MHz	Pass	PK	11.57552G	56.01	74.00	-17.99	16.52	3	Vertical	84	1.22	-
5785MHz	Pass	AV	11.57024G	45.51	54.00	-8.49	16.52	3	Horizontal	244	1.12	-
5785MHz	Pass	PK	11.5751G	56.98	74.00	-17.02	16.52	3	Horizontal	244	1.12	-
5825MHz	Pass	AV	5.8226G	105.81	Inf	-Inf	5.14	3	Vertical	73	2.93	-
5825MHz	Pass	PK	5.5874G	59.34	68.20	-8.86	4.60	3	Vertical	73	2.93	-
5825MHz	Pass	PK	5.8178G	114.62	Inf	-Inf	5.13	3	Vertical	73	2.93	-
5825MHz	Pass	PK	5.9378G	59.82	68.20	-8.38	5.24	3	Vertical	73	2.93	-
5825MHz	Pass	AV	5.8238G	106.66	Inf	-Inf	5.14	3	Horizontal	76	1.00	-
5825MHz	Pass	PK	5.5838G	60.39	68.20	-7.81	4.60	3	Horizontal	76	1.00	-
5825MHz	Pass	PK	5.819G	115.38	Inf	-Inf	5.14	3	Horizontal	76	1.00	-
5825MHz	Pass	PK	5.9846G	60.17	68.20	-8.03	5.28	3	Horizontal	76	1.00	-
5825MHz	Pass	AV	11.64868G	44.93	54.00	-9.07	16.47	3	Vertical	87	1.14	-
5825MHz	Pass	PK	11.6515G	56.56	74.00	-17.44	16.47	3	Vertical	87	1.14	-
5825MHz	Pass	AV	11.58236G	45.71	54.00	-8.29	16.51	3	Vertical	244	1.12	-
5825MHz	Pass	PK	11.5781G	56.39	74.00	-17.61	16.52	3	Vertical	244	1.12	-
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1492G	49.22	54.00	-4.78	4.01	3	Vertical	192	2.99	-
5190MHz	Pass	AV	5.1944G	92.65	Inf	-Inf	4.08	3	Vertical	192	2.99	-
5190MHz	Pass	PK	5.1492G	60.34	74.00	-13.66	4.01	3	Vertical	192	2.99	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5190MHz	Pass	PK	5.1944G	101.50	Inf	-Inf	4.08	3	Vertical	192	2.99	-
5190MHz	Pass	AV	5.15G	53.80	54.00	-0.20	4.01	3	Horizontal	257	1.00	-
5190MHz	Pass	AV	5.1856G	97.80	Inf	-Inf	4.06	3	Horizontal	257	1.00	-
5190MHz	Pass	PK	5.1456G	66.23	74.00	-7.77	4.01	3	Horizontal	257	1.00	-
5190MHz	Pass	PK	5.1804G	105.42	Inf	-Inf	4.06	3	Horizontal	257	1.00	-
5190MHz	Pass	AV	10.36548G	44.95	54.00	-9.05	15.86	3	Vertical	89	1.07	-
5190MHz	Pass	PK	10.38294G	56.02	74.00	-17.98	15.89	3	Vertical	89	1.07	-
5190MHz	Pass	AV	10.3824G	44.77	54.00	-9.23	15.89	3	Horizontal	174	1.05	-
5190MHz	Pass	PK	10.371G	55.33	74.00	-18.67	15.86	3	Horizontal	174	1.05	-
5230MHz	Pass	AV	5.1468G	48.32	54.00	-5.68	4.01	3	Vertical	211	2.91	-
5230MHz	Pass	AV	5.2368G	98.20	Inf	-Inf	4.12	3	Vertical	211	2.91	-
5230MHz	Pass	PK	5.1396G	58.99	74.00	-15.01	3.99	3	Vertical	211	2.91	-
5230MHz	Pass	PK	5.2468G	106.09	Inf	-Inf	4.14	3	Vertical	211	2.91	-
5230MHz	Pass	AV	5.1476G	53.01	54.00	-0.99	4.01	3	Horizontal	221	1.01	-
5230MHz	Pass	AV	5.2328G	103.04	Inf	-Inf	4.12	3	Horizontal	221	1.01	-
5230MHz	Pass	PK	5.1476G	64.22	74.00	-9.78	4.01	3	Horizontal	221	1.01	-
5230MHz	Pass	PK	5.2324G	111.34	Inf	-Inf	4.12	3	Horizontal	221	1.01	-
5230MHz	Pass	AV	10.45628G	46.39	54.00	-7.61	16.01	3	Vertical	86	1.05	-
5230MHz	Pass	PK	10.45958G	57.58	74.00	-16.42	16.01	3	Vertical	86	1.05	-
5230MHz	Pass	AV	10.46348G	45.74	54.00	-8.26	16.02	3	Horizontal	176	1.01	-
5230MHz	Pass	PK	10.45814G	57.13	74.00	-16.87	16.00	3	Horizontal	176	1.01	-
5270MHz	Pass	AV	5.2668G	99.59	Inf	-Inf	4.17	3	Vertical	210	2.89	-
5270MHz	Pass	AV	5.352G	50.32	54.00	-3.68	4.26	3	Vertical	210	2.89	-
5270MHz	Pass	PK	5.2668G	107.81	Inf	-Inf	4.17	3	Vertical	210	2.89	-
5270MHz	Pass	PK	5.3516G	60.11	74.00	-13.89	4.26	3	Vertical	210	2.89	-
5270MHz	Pass	AV	5.2728G	103.68	Inf	-Inf	4.17	3	Horizontal	220	1.00	-
5270MHz	Pass	AV	5.3528G	53.96	54.00	-0.04	4.26	3	Horizontal	220	1.00	-
5270MHz	Pass	PK	5.2724G	112.45	Inf	-Inf	4.17	3	Horizontal	220	1.00	-
5270MHz	Pass	PK	5.3524G	65.65	74.00	-8.35	4.26	3	Horizontal	220	1.00	-
5270MHz	Pass	AV	10.53244G	44.61	54.00	-9.39	16.14	3	Horizontal	197	1.52	-
5270MHz	Pass	PK	10.5526G	55.51	74.00	-18.49	16.16	3	Horizontal	197	1.52	-
5270MHz	Pass	AV	10.53442G	44.61	54.00	-9.39	16.14	3	Horizontal	113	2.62	-
5270MHz	Pass	PK	10.52716G	55.30	74.00	-18.70	16.13	3	Horizontal	113	2.62	-
5310MHz	Pass	AV	5.3068G	94.57	Inf	-Inf	4.21	3	Vertical	210	2.99	-
5310MHz	Pass	AV	5.352G	51.25	54.00	-2.75	4.26	3	Vertical	210	2.99	-
5310MHz	Pass	PK	5.3068G	102.01	Inf	-Inf	4.21	3	Vertical	210	2.99	-
5310MHz	Pass	PK	5.3516G	65.19	74.00	-8.81	4.26	3	Vertical	210	2.99	-
5310MHz	Pass	AV	5.3076G	97.36	Inf	-Inf	4.21	3	Horizontal	222	1.02	-
5310MHz	Pass	AV	5.3524G	53.88	54.00	-0.12	4.26	3	Horizontal	222	1.02	-
5310MHz	Pass	PK	5.3132G	105.41	Inf	-Inf	4.22	3	Horizontal	222	1.02	-
5310MHz	Pass	PK	5.3528G	69.68	74.00	-4.32	4.26	3	Horizontal	222	1.02	-
5310MHz	Pass	AV	10.608G	44.55	54.00	-9.45	16.26	3	Vertical	92	1.05	-
5310MHz	Pass	PK	10.63092G	55.86	74.00	-18.14	16.29	3	Vertical	92	1.05	-
5310MHz	Pass	AV	10.60518G	44.47	54.00	-9.53	16.26	3	Vertical	115	2.51	-
5310MHz	Pass	PK	10.60542G	55.19	74.00	-18.81	16.26	3	Vertical	115	2.51	-
5510MHz	Pass	AV	5.46G	48.00	54.00	-6.00	4.40	3	Vertical	206	2.96	-
5510MHz	Pass	AV	5.5116G	95.41	Inf	-Inf	4.48	3	Vertical	206	2.96	-
5510MHz	Pass	PK	5.4688G	66.13	68.20	-2.07	4.41	3	Vertical	206	2.96	-
5510MHz	Pass	PK	5.5116G	102.78	Inf	-Inf	4.48	3	Vertical	206	2.96	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5510MHz	Pass	AV	5.4328G	49.43	54.00	-4.57	4.36	3	Horizontal	219	1.01	-
5510MHz	Pass	AV	5.5128G	97.02	Inf	-Inf	4.48	3	Horizontal	219	1.01	-
5510MHz	Pass	PK	5.4676G	67.91	68.20	-0.29	4.41	3	Horizontal	219	1.01	-
5510MHz	Pass	PK	5.518G	104.64	Inf	-Inf	4.48	3	Horizontal	219	1.01	-
5510MHz	Pass	AV	11.02606G	45.84	54.00	-8.16	16.89	3	Vertical	204	1.35	-
5510MHz	Pass	PK	11.03146G	56.57	74.00	-17.43	16.89	3	Vertical	204	1.35	-
5510MHz	Pass	AV	11.02924G	45.85	54.00	-8.15	16.89	3	Horizontal	198	1.14	-
5510MHz	Pass	PK	11.0248G	56.39	74.00	-17.61	16.89	3	Horizontal	198	1.14	-
5550MHz	Pass	AV	5.452G	49.46	54.00	-4.54	4.39	3	Vertical	201	2.93	-
5550MHz	Pass	AV	5.5464G	102.01	Inf	-Inf	4.53	3	Vertical	201	2.93	-
5550MHz	Pass	PK	5.4672G	60.69	68.20	-7.51	4.41	3	Vertical	201	2.93	-
5550MHz	Pass	PK	5.5464G	109.93	Inf	-Inf	4.53	3	Vertical	201	2.93	-
5550MHz	Pass	AV	5.458G	53.79	54.00	-0.21	4.39	3	Horizontal	219	1.00	-
5550MHz	Pass	AV	5.548G	103.63	Inf	-Inf	4.54	3	Horizontal	219	1.00	-
5550MHz	Pass	PK	5.4684G	66.45	68.20	-1.75	4.41	3	Horizontal	219	1.00	-
5550MHz	Pass	PK	5.5528G	111.83	Inf	-Inf	4.54	3	Horizontal	219	1.00	-
5550MHz	Pass	AV	11.08902G	45.77	54.00	-8.23	16.85	3	Vertical	216	1.27	-
5550MHz	Pass	PK	11.10342G	56.59	74.00	-17.41	16.84	3	Vertical	216	1.27	-
5550MHz	Pass	AV	11.09472G	45.71	54.00	-8.29	16.85	3	Horizontal	66	2.79	-
5550MHz	Pass	PK	11.09958G	56.66	74.00	-17.34	16.84	3	Horizontal	66	2.79	-
5670MHz	Pass	AV	5.6652G	97.39	Inf	-Inf	4.78	3	Vertical	274	2.95	-
5670MHz	Pass	PK	5.655G	105.75	Inf	-Inf	4.76	3	Vertical	274	2.95	-
5670MHz	Pass	PK	5.7258G	61.86	68.20	-6.34	4.93	3	Vertical	274	2.95	-
5670MHz	Pass	AV	5.6652G	102.31	Inf	-Inf	4.78	3	Horizontal	341	1.01	-
5670MHz	Pass	PK	5.6754G	110.40	Inf	-Inf	4.82	3	Horizontal	341	1.01	-
5670MHz	Pass	PK	5.7252G	67.14	68.20	-1.06	4.93	3	Horizontal	341	1.01	-
5670MHz	Pass	AV	11.32716G	45.41	54.00	-8.59	16.69	3	Horizontal	162	2.09	-
5670MHz	Pass	PK	11.3358G	56.35	74.00	-17.65	16.68	3	Horizontal	162	2.09	-
5670MHz	Pass	AV	11.34768G	45.45	54.00	-8.55	16.67	3	Horizontal	334	2.31	-
5670MHz	Pass	PK	11.35392G	56.80	74.00	-17.20	16.66	3	Horizontal	334	2.31	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7046G	100.05	Inf	-Inf	4.89	3	Vertical	274	2.89	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7046G	108.11	Inf	-Inf	4.89	3	Vertical	274	2.89	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.851G	59.31	68.20	-8.89	5.16	3	Vertical	274	2.89	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7154G	104.78	Inf	-Inf	4.91	3	Horizontal	341	1.01	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.6956G	112.24	Inf	-Inf	4.85	3	Horizontal	341	1.01	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.857G	59.05	68.20	-9.15	5.17	3	Horizontal	341	1.01	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.40878G	45.46	54.00	-8.54	16.64	3	Vertical	270	1.46	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.43044G	56.95	74.00	-17.05	16.62	3	Vertical	270	1.46	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.40902G	45.46	54.00	-8.54	16.64	3	Horizontal	69	2.75	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.41514G	56.15	74.00	-17.85	16.63	3	Horizontal	69	2.75	-
5755MHz	Pass	AV	5.7502G	101.48	Inf	-Inf	5.00	3	Vertical	272	2.99	-
5755MHz	Pass	PK	5.6542G	68.21	71.31	-3.10	4.76	3	Vertical	272	2.99	-
5755MHz	Pass	PK	5.7706G	109.55	Inf	-Inf	5.05	3	Vertical	272	2.99	-
5755MHz	Pass	PK	5.9794G	60.10	68.20	-8.10	5.28	3	Vertical	272	2.99	-
5755MHz	Pass	AV	5.7586G	103.86	Inf	-Inf	5.02	3	Horizontal	35	1.01	-
5755MHz	Pass	PK	5.6482G	64.01	68.20	-4.19	4.75	3	Horizontal	35	1.01	-
5755MHz	Pass	PK	5.7694G	112.01	Inf	-Inf	5.05	3	Horizontal	35	1.01	-
5755MHz	Pass	PK	5.989G	59.07	68.20	-9.13	5.28	3	Horizontal	35	1.01	-
5755MHz	Pass	AV	11.49518G	45.07	54.00	-8.93	16.58	3	Vertical	118	2.39	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5755MHz	Pass	PK	11.4977G	55.53	74.00	-18.47	16.57	3	Vertical	118	2.39	-
5755MHz	Pass	AV	11.49536G	44.80	54.00	-9.20	16.58	3	Horizontal	52	1.94	-
5755MHz	Pass	PK	11.50106G	55.41	74.00	-18.59	16.57	3	Horizontal	52	1.94	-
5795MHz	Pass	AV	5.777G	103.92	Inf	-Inf	5.06	3	Vertical	73	2.96	-
5795MHz	Pass	PK	5.5382G	59.53	68.20	-8.67	4.52	3	Vertical	73	2.96	-
5795MHz	Pass	PK	5.7974G	112.24	Inf	-Inf	5.12	3	Vertical	73	2.96	-
5795MHz	Pass	PK	5.9762G	60.53	68.20	-7.67	5.28	3	Vertical	73	2.96	-
5795MHz	Pass	AV	5.789G	103.12	Inf	-Inf	5.09	3	Horizontal	41	2.78	-
5795MHz	Pass	PK	5.5754G	59.61	68.20	-8.59	4.59	3	Horizontal	41	2.78	-
5795MHz	Pass	PK	5.8034G	111.02	Inf	-Inf	5.12	3	Horizontal	41	2.78	-
5795MHz	Pass	PK	5.927G	61.24	68.20	-6.96	5.23	3	Horizontal	41	2.78	-
5795MHz	Pass	AV	11.60428G	44.81	54.00	-9.19	16.49	3	Vertical	250	1.74	-
5795MHz	Pass	PK	11.5891G	56.57	74.00	-17.43	16.51	3	Vertical	250	1.74	-
5795MHz	Pass	AV	11.58418G	44.68	54.00	-9.32	16.51	3	Horizontal	315	2.45	-
5795MHz	Pass	PK	11.59402G	55.81	74.00	-18.19	16.51	3	Horizontal	315	2.45	-
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.15G	49.50	54.00	-4.50	4.01	3	Vertical	196	2.93	-
5210MHz	Pass	AV	5.225G	87.62	Inf	-Inf	4.11	3	Vertical	196	2.93	-
5210MHz	Pass	AV	5.429G	47.70	54.00	-6.30	4.36	3	Vertical	196	2.93	-
5210MHz	Pass	PK	5.15G	61.81	74.00	-12.19	4.01	3	Vertical	196	2.93	-
5210MHz	Pass	PK	5.22G	95.54	Inf	-Inf	4.10	3	Vertical	196	2.93	-
5210MHz	Pass	PK	5.427G	58.06	74.00	-15.94	4.36	3	Vertical	196	2.93	-
5210MHz	Pass	AV	5.148G	53.71	54.00	-0.29	4.01	3	Horizontal	220	1.01	-
5210MHz	Pass	AV	5.198G	92.48	Inf	-Inf	4.08	3	Horizontal	220	1.01	-
5210MHz	Pass	AV	5.382G	47.75	54.00	-6.25	4.30	3	Horizontal	220	1.01	-
5210MHz	Pass	PK	5.143G	65.29	74.00	-8.71	4.01	3	Horizontal	220	1.01	-
5210MHz	Pass	PK	5.223G	100.29	Inf	-Inf	4.10	3	Horizontal	220	1.01	-
5210MHz	Pass	PK	5.359G	58.27	74.00	-15.73	4.28	3	Horizontal	220	1.01	-
5210MHz	Pass	AV	10.43482G	44.73	54.00	-9.27	15.97	3	Vertical	62	1.22	-
5210MHz	Pass	PK	10.42822G	56.03	74.00	-17.97	15.96	3	Vertical	62	1.22	-
5210MHz	Pass	AV	10.4143G	44.86	54.00	-9.14	15.93	3	Horizontal	269	1.85	-
5210MHz	Pass	PK	10.41028G	55.65	74.00	-18.35	15.93	3	Horizontal	269	1.85	-
5290MHz	Pass	AV	5.067G	47.30	54.00	-6.70	3.90	3	Vertical	208	2.99	-
5290MHz	Pass	AV	5.302G	89.65	Inf	-Inf	4.21	3	Vertical	208	2.99	-
5290MHz	Pass	AV	5.352G	50.68	54.00	-3.32	4.26	3	Vertical	208	2.99	-
5290MHz	Pass	PK	5.067G	58.11	74.00	-15.89	3.90	3	Vertical	208	2.99	-
5290MHz	Pass	PK	5.307G	98.24	Inf	-Inf	4.21	3	Vertical	208	2.99	-
5290MHz	Pass	PK	5.512G	58.83	68.20	-9.37	4.48	3	Vertical	208	2.99	-
5290MHz	Pass	AV	5.136G	47.44	54.00	-6.56	3.99	3	Horizontal	222	1.01	-
5290MHz	Pass	AV	5.298G	92.77	Inf	-Inf	4.20	3	Horizontal	222	1.01	-
5290MHz	Pass	AV	5.353G	53.64	54.00	-0.36	4.26	3	Horizontal	222	1.01	-
5290MHz	Pass	PK	5.129G	58.62	74.00	-15.38	3.99	3	Horizontal	222	1.01	-
5290MHz	Pass	PK	5.293G	100.23	Inf	-Inf	4.20	3	Horizontal	222	1.01	-
5290MHz	Pass	PK	5.497G	59.21	68.20	-8.99	4.45	3	Horizontal	222	1.01	-
5290MHz	Pass	AV	10.56584G	44.61	54.00	-9.39	16.19	3	Vertical	299	1.65	-
5290MHz	Pass	PK	10.5926G	55.83	74.00	-18.17	16.23	3	Vertical	299	1.65	-
5290MHz	Pass	AV	10.56536G	44.62	54.00	-9.38	16.19	3	Horizontal	62	1.47	-
5290MHz	Pass	PK	10.58108G	55.47	74.00	-18.53	16.21	3	Horizontal	62	1.47	-
5530MHz	Pass	AV	5.456G	53.15	54.00	-0.85	3.09	3	Vertical	185	1.87	-

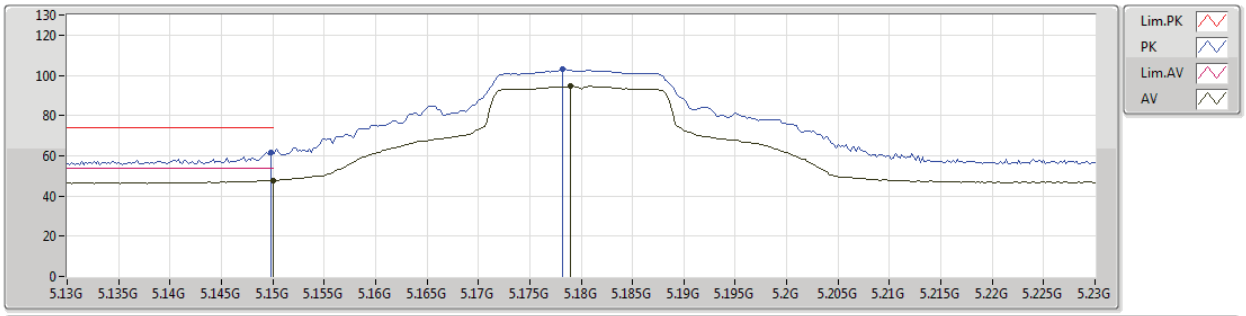
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5530MHz	Pass	AV	5.538G	85.76	Inf	-Inf	3.22	3	Vertical	185	1.87	-
5530MHz	Pass	PK	5.461G	67.49	68.20	-0.71	3.10	3	Vertical	185	1.87	-
5530MHz	Pass	PK	5.54G	95.18	Inf	-Inf	3.23	3	Vertical	185	1.87	-
5530MHz	Pass	PK	5.764G	55.08	68.20	-13.12	3.66	3	Vertical	185	1.87	-
5530MHz	Pass	AV	5.459G	53.19	54.00	-0.81	3.10	3	Horizontal	26	1.50	-
5530MHz	Pass	AV	5.514G	88.67	Inf	-Inf	3.17	3	Horizontal	26	1.50	-
5530MHz	Pass	PK	5.464G	67.32	68.20	-0.88	3.10	3	Horizontal	26	1.50	-
5530MHz	Pass	PK	5.527G	99.07	Inf	-Inf	3.20	3	Horizontal	26	1.50	-
5530MHz	Pass	PK	5.779G	55.53	68.20	-12.67	3.69	3	Horizontal	26	1.50	-
5530MHz	Pass	AV	11.07488G	45.88	54.00	-8.12	16.86	3	Vertical	95	1.02	-
5530MHz	Pass	PK	11.0453G	56.47	74.00	-17.53	16.89	3	Vertical	95	1.02	-
5530MHz	Pass	AV	11.06738G	45.84	54.00	-8.16	16.87	3	Horizontal	46	1.05	-
5530MHz	Pass	PK	11.0654G	57.25	74.00	-16.75	16.87	3	Horizontal	46	1.05	-
5610MHz	Pass	AV	5.46G	43.92	54.00	-10.08	3.10	3	Vertical	271	2.42	-
5610MHz	Pass	AV	5.62G	89.86	Inf	-Inf	3.38	3	Vertical	271	2.42	-
5610MHz	Pass	PK	5.467G	56.60	68.20	-11.60	3.11	3	Vertical	271	2.42	-
5610MHz	Pass	PK	5.622G	99.17	Inf	-Inf	3.39	3	Vertical	271	2.42	-
5610MHz	Pass	PK	5.727G	61.17	68.20	-7.03	3.59	3	Vertical	271	2.42	-
5610MHz	Pass	AV	5.459G	47.40	54.00	-6.60	3.10	3	Horizontal	73	1.11	-
5610MHz	Pass	AV	5.621G	94.80	Inf	-Inf	3.38	3	Horizontal	73	1.11	-
5610MHz	Pass	PK	5.466G	65.18	68.20	-3.02	3.11	3	Horizontal	73	1.11	-
5610MHz	Pass	PK	5.607G	104.17	Inf	-Inf	3.35	3	Horizontal	73	1.11	-
5610MHz	Pass	PK	5.734G	67.67	68.20	-0.53	3.60	3	Horizontal	73	1.11	-
5610MHz	Pass	AV	11.22138G	45.83	54.00	-8.17	16.76	3	Vertical	219	1.52	-
5610MHz	Pass	PK	11.21562G	56.32	74.00	-17.68	16.77	3	Vertical	219	1.52	-
5610MHz	Pass	AV	11.20956G	45.73	54.00	-8.27	16.78	3	Horizontal	67	2.41	-
5610MHz	Pass	PK	11.2341G	56.40	74.00	-17.60	16.75	3	Horizontal	67	2.41	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4584G	43.08	54.00	-10.92	3.10	3	Vertical	60	1.15	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6792G	91.12	Inf	-Inf	3.50	3	Vertical	60	1.15	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4608G	54.36	68.20	-13.84	3.10	3	Vertical	60	1.15	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.7032G	100.82	Inf	-Inf	3.54	3	Vertical	60	1.15	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8688G	57.66	68.20	-10.54	3.87	3	Vertical	60	1.15	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4524G	44.55	54.00	-9.45	3.09	3	Horizontal	73	1.13	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6828G	95.20	Inf	-Inf	3.51	3	Horizontal	73	1.13	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.468G	56.23	68.20	-11.97	3.11	3	Horizontal	73	1.13	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.6876G	104.70	Inf	-Inf	3.51	3	Horizontal	73	1.13	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8508G	61.22	68.20	-6.98	3.83	3	Horizontal	73	1.13	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.37112G	45.55	54.00	-8.45	16.65	3	Vertical	71	1.88	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.3812G	56.82	74.00	-17.18	16.66	3	Vertical	71	1.88	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.38798G	45.56	54.00	-8.44	16.65	3	Horizontal	306	1.45	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.37214G	56.58	74.00	-17.42	16.65	3	Horizontal	306	1.45	-
5775MHz	Pass	AV	5.7918G	92.11	Inf	-Inf	3.71	3	Vertical	61	1.07	-
5775MHz	Pass	PK	5.6466G	62.08	68.20	-6.12	3.44	3	Vertical	61	1.07	-
5775MHz	Pass	PK	5.7906G	100.86	Inf	-Inf	3.71	3	Vertical	61	1.07	-
5775MHz	Pass	PK	5.9274G	59.74	68.20	-8.46	3.99	3	Vertical	61	1.07	-
5775MHz	Pass	AV	5.7894G	95.36	Inf	-Inf	3.71	3	Horizontal	70	1.14	-
5775MHz	Pass	PK	5.6514G	67.16	69.24	-2.08	3.44	3	Horizontal	70	1.14	-
5775MHz	Pass	PK	5.7666G	104.74	Inf	-Inf	3.67	3	Horizontal	70	1.14	-
5775MHz	Pass	PK	5.9274G	61.59	68.20	-6.61	3.99	3	Horizontal	70	1.14	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5775MHz	Pass	AV	11.56428G	44.55	54.00	-9.45	16.53	3	Vertical	126	1.94	-
5775MHz	Pass	PK	11.56044G	55.56	74.00	-18.44	16.54	3	Vertical	126	1.94	-
5775MHz	Pass	AV	11.5644G	44.65	54.00	-9.35	16.53	3	Horizontal	227	2.86	-
5775MHz	Pass	PK	11.56086G	56.07	74.00	-17.93	16.53	3	Horizontal	227	2.86	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5180MHz_TX

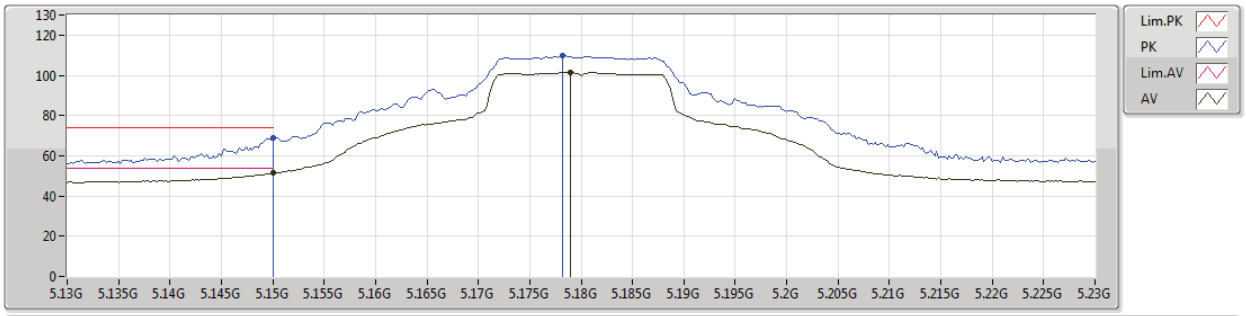


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	47.82	54.00	-6.18	4.01	3	Vertical	120	1.00	-
AV	5.179G	94.48	Inf	-Inf	4.05	3	Vertical	120	1.00	-
PK	5.1498G	61.88	74.00	-12.12	4.01	3	Vertical	120	1.00	-
PK	5.1782G	102.94	Inf	-Inf	4.05	3	Vertical	120	1.00	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5180MHz_TX

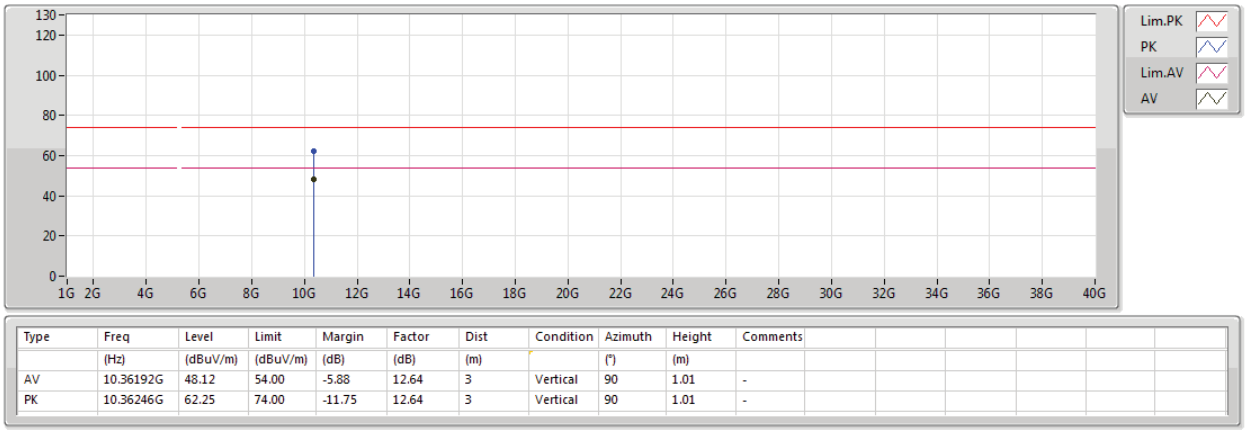


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	51.28	54.00	-2.72	4.01	3	Horizontal	258	1.00	-
AV	5.179G	101.36	Inf	-Inf	4.05	3	Horizontal	258	1.00	-
PK	5.15G	68.88	74.00	-5.12	4.01	3	Horizontal	258	1.00	-
PK	5.1782G	109.89	Inf	-Inf	4.05	3	Horizontal	258	1.00	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5180MHz_TX

23/12/2018

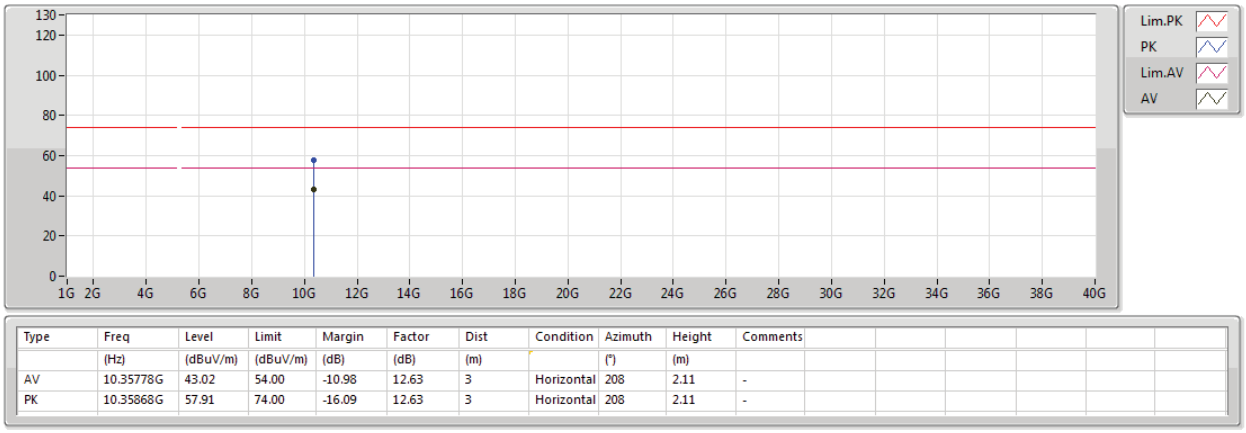


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.36192G	48.12	54.00	-5.88	12.64	3	Vertical	90	1.01	-
PK	10.36246G	62.25	74.00	-11.75	12.64	3	Vertical	90	1.01	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5180MHz_TX

23/12/2018

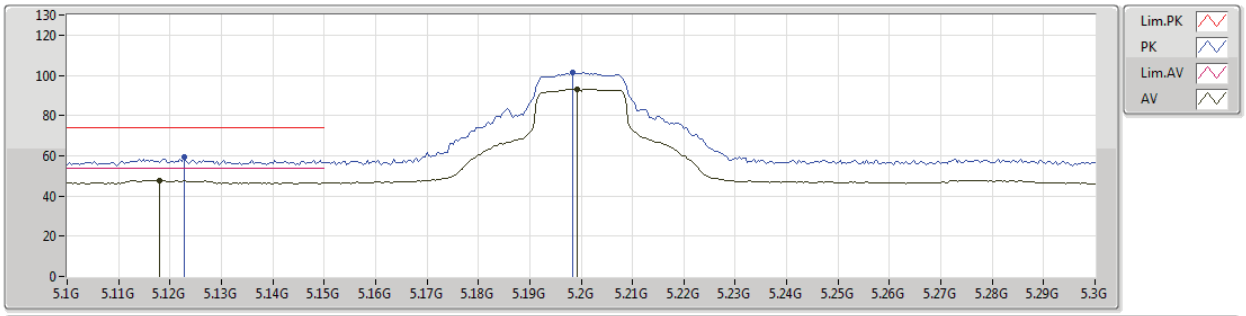


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.35778G	43.02	54.00	-10.98	12.63	3	Horizontal	208	2.11	-
PK	10.35868G	57.91	74.00	-16.09	12.63	3	Horizontal	208	2.11	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5200MHz_TX

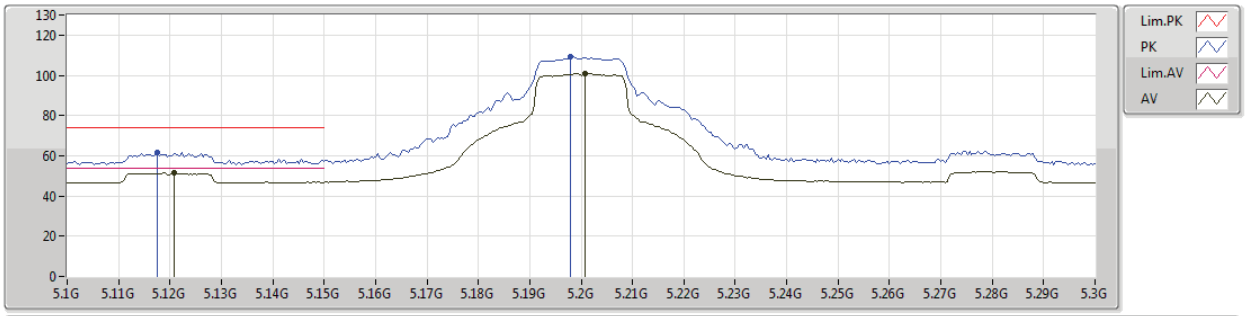


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.118G	47.57	54.00	-6.43	3.97	3	Vertical	120	1.00	-
AV	5.1992G	93.18	Inf	-Inf	4.08	3	Vertical	120	1.00	-
PK	5.1228G	59.22	74.00	-14.78	3.97	3	Vertical	120	1.00	-
PK	5.1984G	101.51	Inf	-Inf	4.08	3	Vertical	120	1.00	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5200MHz_TX

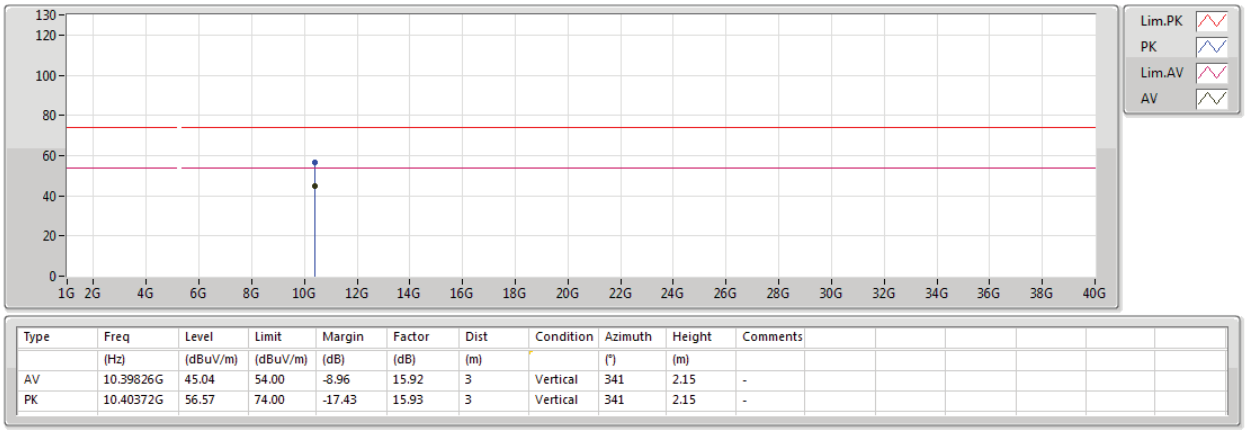


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1208G	51.38	54.00	-2.62	3.97	3	Horizontal	257	1.00	-
AV	5.2008G	100.76	Inf	-Inf	4.08	3	Horizontal	257	1.00	-
PK	5.1176G	61.38	74.00	-12.62	3.97	3	Horizontal	257	1.00	-
PK	5.198G	109.08	Inf	-Inf	4.08	3	Horizontal	257	1.00	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5200MHz_TX

23/12/2018

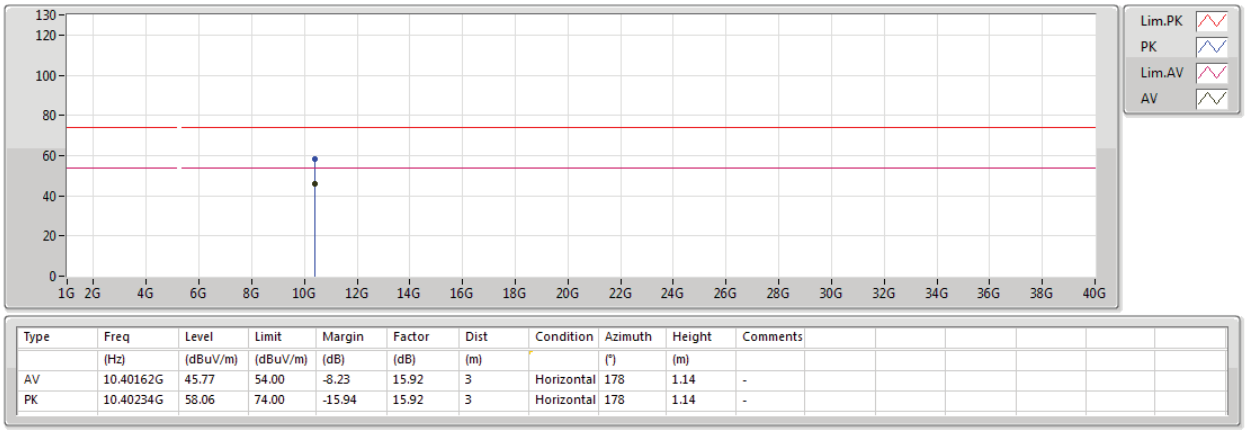


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.39826G	45.04	54.00	-8.96	15.92	3	Vertical	341	2.15	-
PK	10.40372G	56.57	74.00	-17.43	15.93	3	Vertical	341	2.15	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5200MHz_TX

23/12/2018

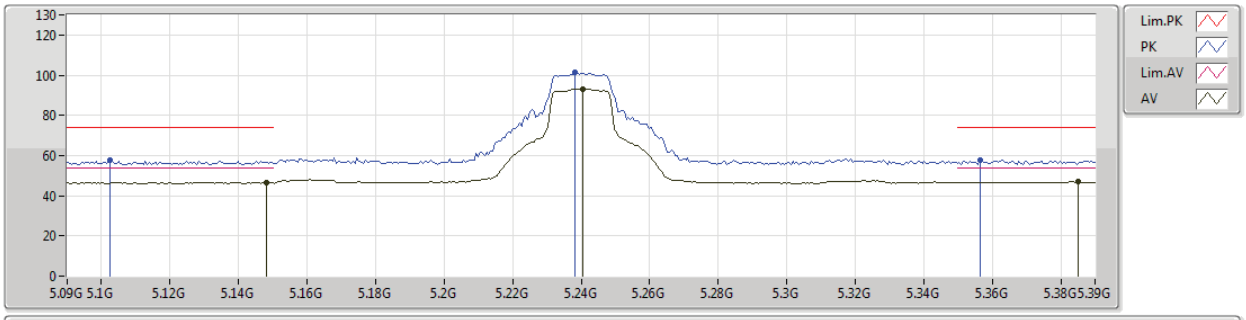


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.40162G	45.77	54.00	-8.23	15.92	3	Horizontal	178	1.14	-
PK	10.40234G	58.06	74.00	-15.94	15.92	3	Horizontal	178	1.14	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5240MHz_TX

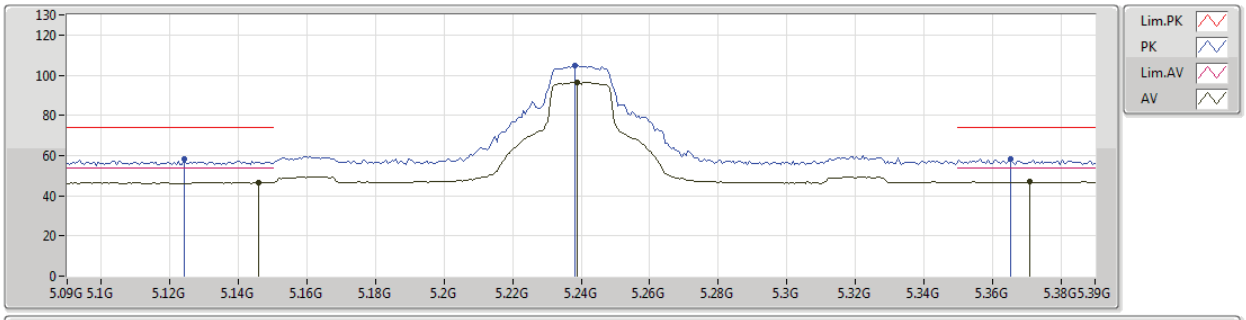


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1482G	46.58	54.00	-7.42	4.01	3	Vertical	121	1.00	-
AV	5.2406G	93.03	Inf	-Inf	4.12	3	Vertical	121	1.00	-
AV	5.3852G	46.83	54.00	-7.17	4.30	3	Vertical	121	1.00	-
PK	5.1026G	57.56	74.00	-16.44	3.95	3	Vertical	121	1.00	-
PK	5.2382G	101.50	Inf	-Inf	4.12	3	Vertical	121	1.00	-
PK	5.3564G	57.86	74.00	-16.14	4.27	3	Vertical	121	1.00	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5240MHz_TX

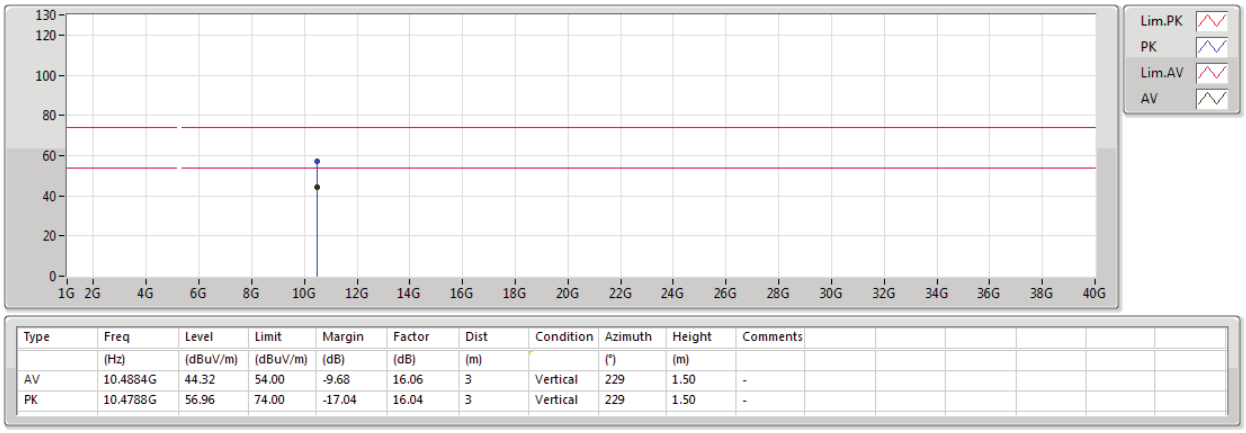


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1458G	46.75	54.00	-7.25	4.01	3	Horizontal	241	1.50	-
AV	5.2388G	96.60	Inf	-Inf	4.12	3	Horizontal	241	1.50	-
AV	5.3708G	46.96	54.00	-7.04	4.28	3	Horizontal	241	1.50	-
PK	5.1242G	58.28	74.00	-15.72	3.97	3	Horizontal	241	1.50	-
PK	5.2382G	105.03	Inf	-Inf	4.12	3	Horizontal	241	1.50	-
PK	5.3654G	58.29	74.00	-15.71	4.28	3	Horizontal	241	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5240MHz_TX

23/12/2018

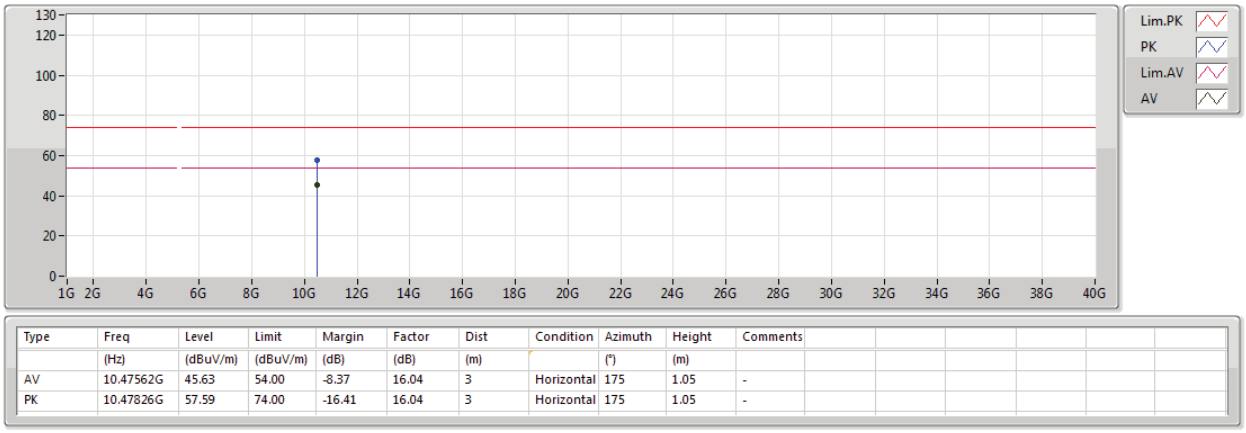


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4884G	44.32	54.00	-9.68	16.06	3	Vertical	229	1.50	-
PK	10.4788G	56.96	74.00	-17.04	16.04	3	Vertical	229	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5240MHz_TX

23/12/2018

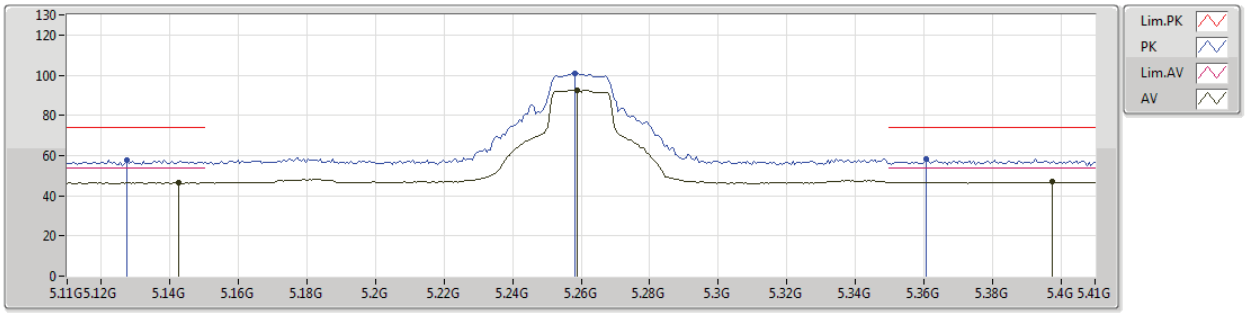


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.47562G	45.63	54.00	-8.37	16.04	3	Horizontal	175	1.05	-
PK	10.47826G	57.59	74.00	-16.41	16.04	3	Horizontal	175	1.05	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5260MHz_TX

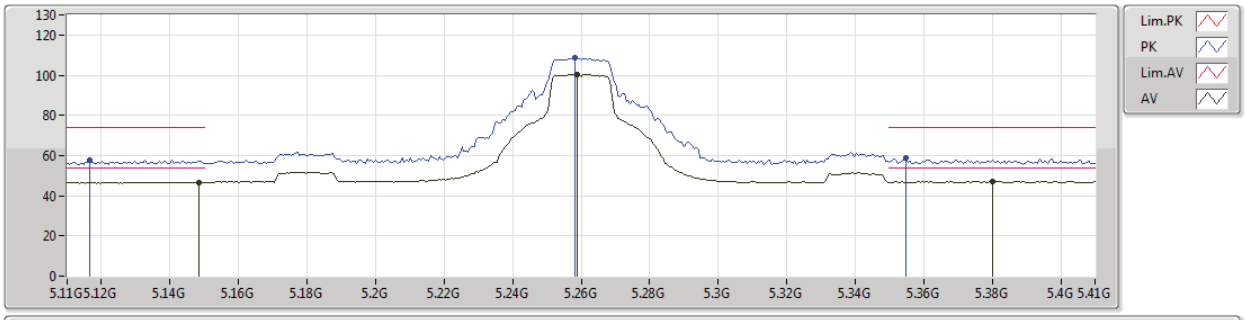


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1424G	46.73	54.00	-7.27	4.01	3	Vertical	121	1.01	-
AV	5.2588G	92.66	Inf	-Inf	4.16	3	Vertical	121	1.01	-
AV	5.3974G	46.81	54.00	-7.19	4.32	3	Vertical	121	1.01	-
PK	5.1274G	57.86	74.00	-16.14	3.99	3	Vertical	121	1.01	-
PK	5.2582G	101.03	Inf	-Inf	4.15	3	Vertical	121	1.01	-
PK	5.3608G	58.04	74.00	-15.96	4.28	3	Vertical	121	1.01	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5260MHz_TX

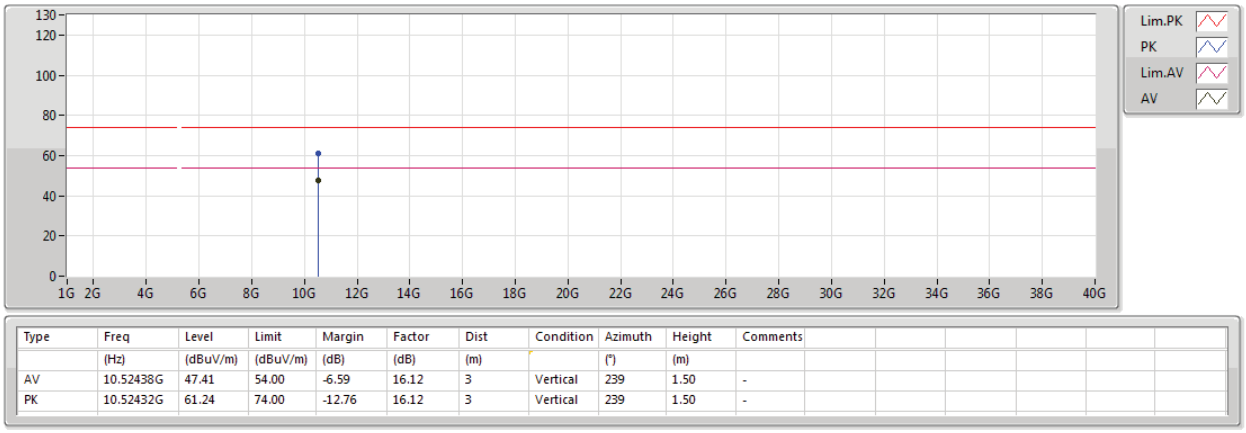


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1484G	46.77	54.00	-7.23	4.01	3	Horizontal	258	1.00	-
AV	5.2588G	100.47	Inf	-Inf	4.16	3	Horizontal	258	1.00	-
AV	5.38G	47.00	54.00	-7.00	4.30	3	Horizontal	258	1.00	-
PK	5.1166G	57.95	74.00	-16.05	3.97	3	Horizontal	258	1.00	-
PK	5.2582G	108.66	Inf	-Inf	4.15	3	Horizontal	258	1.00	-
PK	5.3548G	59.00	74.00	-15.00	4.27	3	Horizontal	258	1.00	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5260MHz_TX

23/12/2018

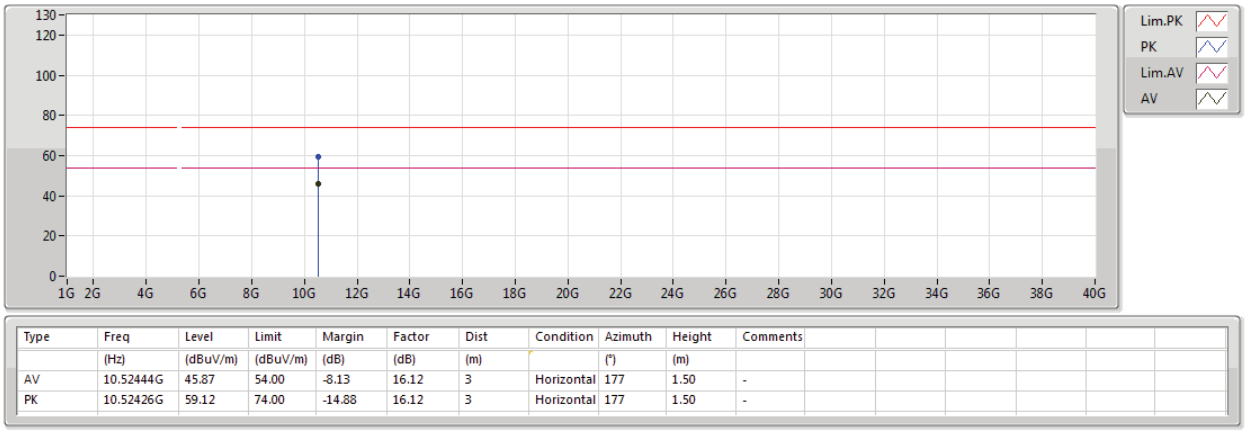


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.52438G	47.41	54.00	-6.59	16.12	3	Vertical	239	1.50	-
PK	10.52432G	61.24	74.00	-12.76	16.12	3	Vertical	239	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5260MHz_TX

23/12/2018

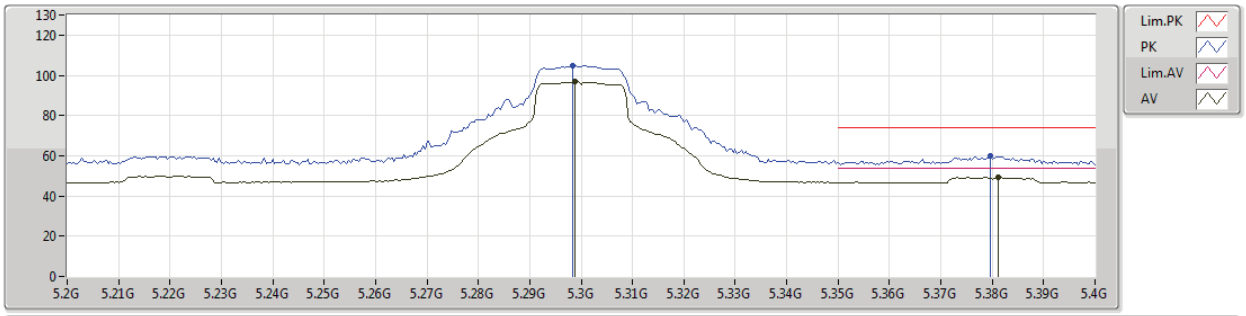


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.52444G	45.87	54.00	-8.13	16.12	3	Horizontal	177	1.50	-
PK	10.52426G	59.12	74.00	-14.88	16.12	3	Horizontal	177	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5300MHz_TX

23/12/2018

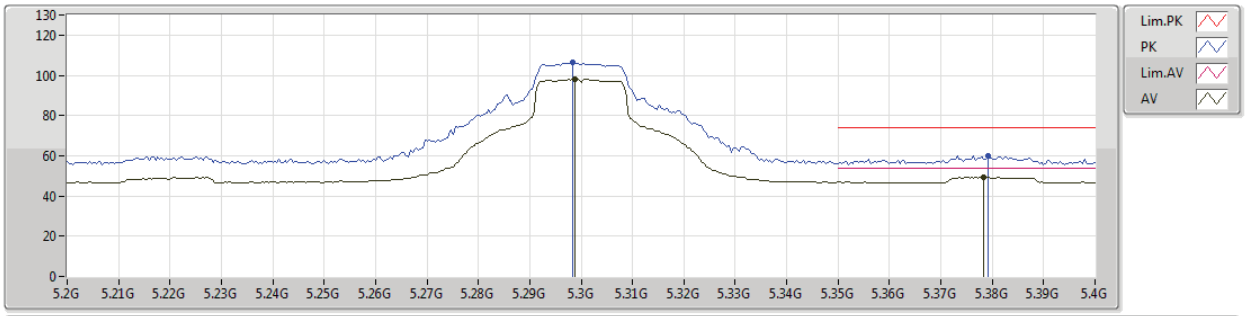


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.2988G	96.73	Inf	-Inf	4.20	3	Vertical	137	2.92	-
AV	5.3812G	49.23	54.00	-4.77	4.30	3	Vertical	137	2.92	-
PK	5.2984G	104.93	Inf	-Inf	4.20	3	Vertical	137	2.92	-
PK	5.3796G	60.18	74.00	-13.82	4.30	3	Vertical	137	2.92	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5300MHz_TX

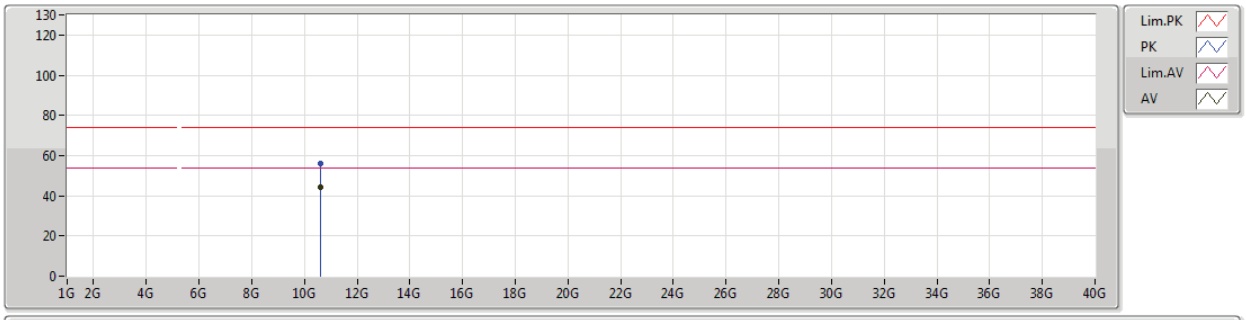


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.2988G	97.99	Inf	-Inf	4.20	3	Horizontal	230	1.50	-
AV	5.3784G	49.22	54.00	-4.78	4.30	3	Horizontal	230	1.50	-
PK	5.2984G	106.54	Inf	-Inf	4.20	3	Horizontal	230	1.50	-
PK	5.3792G	59.88	74.00	-14.12	4.30	3	Horizontal	230	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5300MHz_TX

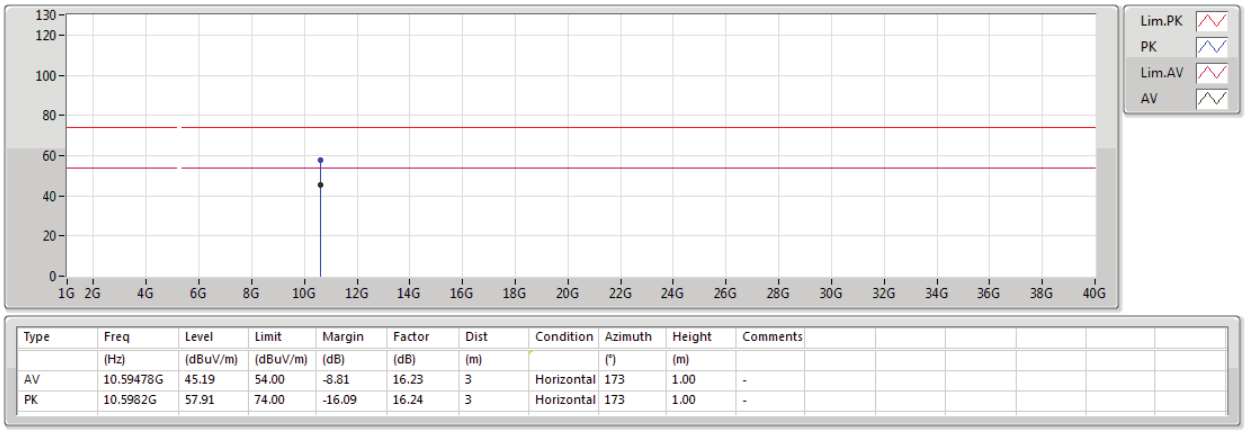


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.60258G	44.28	54.00	-9.72	16.25	3	Vertical	337	1.50	-
PK	10.59154G	55.99	74.00	-18.01	16.23	3	Vertical	337	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5300MHz_TX

23/12/2018

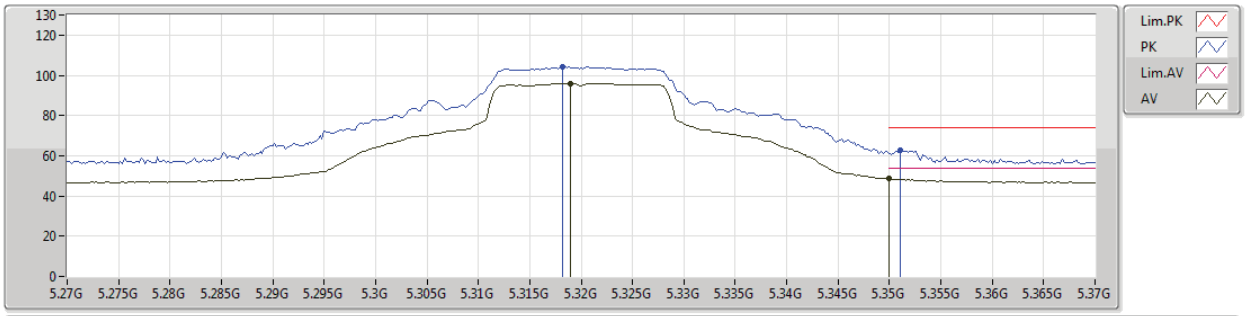


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.59478G	45.19	54.00	-8.81	16.23	3	Horizontal	173	1.00	-
PK	10.5982G	57.91	74.00	-16.09	16.24	3	Horizontal	173	1.00	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5320MHz_TX

23/12/2018

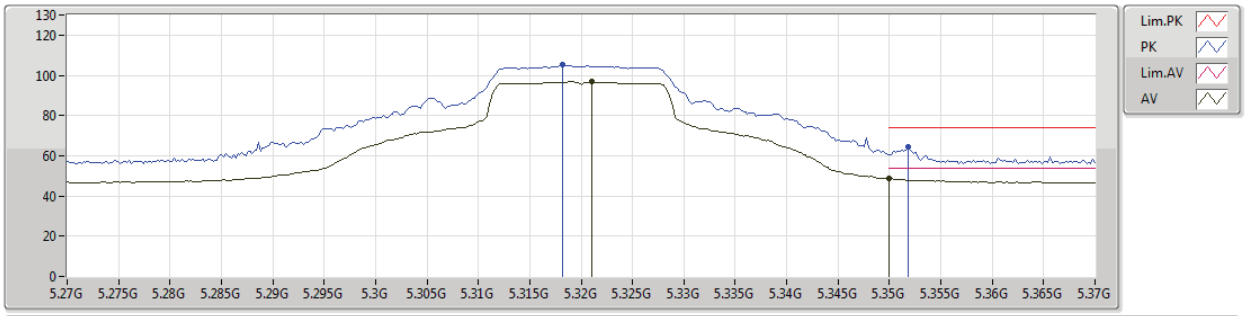


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.319G	96.00	Inf	-Inf	4.23	3	Vertical	136	2.77	-
AV	5.35G	48.65	54.00	-5.35	4.26	3	Vertical	136	2.77	-
PK	5.3182G	104.38	Inf	-Inf	4.23	3	Vertical	136	2.77	-
PK	5.351G	62.59	74.00	-11.41	4.26	3	Vertical	136	2.77	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5320MHz_TX

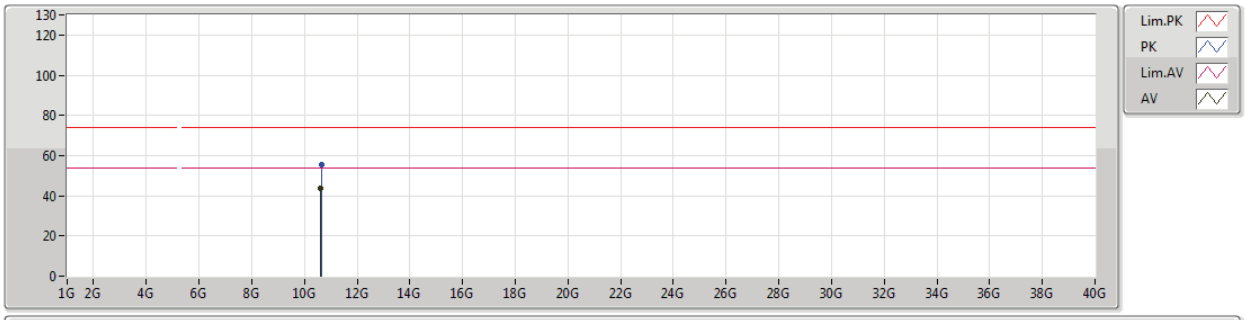


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.321G	96.74	Inf	-Inf	4.23	3	Horizontal	242	1.50	-
AV	5.35G	48.65	54.00	-5.35	4.26	3	Horizontal	242	1.50	-
PK	5.3182G	105.14	Inf	-Inf	4.23	3	Horizontal	242	1.50	-
PK	5.3518G	64.23	74.00	-9.77	4.26	3	Horizontal	242	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5320MHz_TX

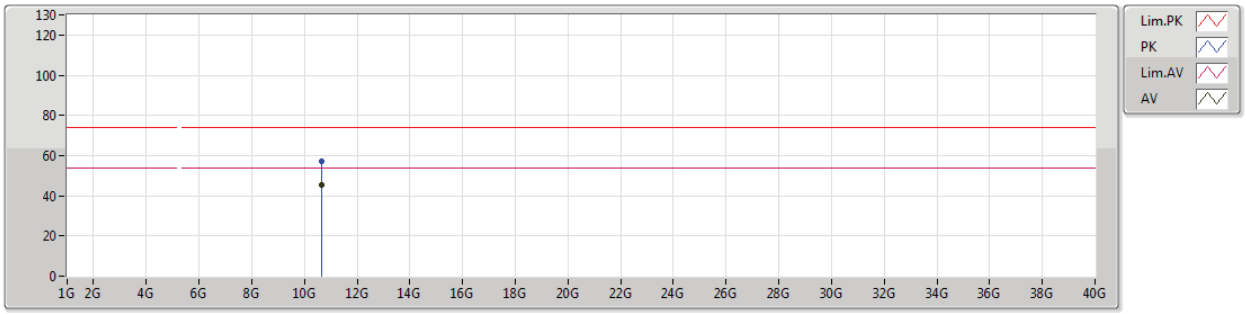


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.6253G	43.95	54.00	-10.05	16.30	3	Vertical	198	1.50	-
PK	10.6454G	55.39	74.00	-18.61	16.32	3	Vertical	198	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5320MHz_TX

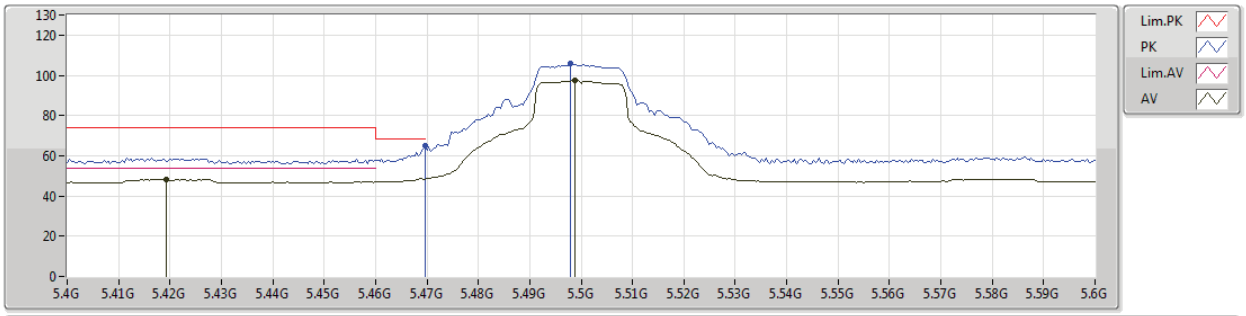


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.63976G	45.31	54.00	-8.69	16.31	3	Horizontal	177	1.02	-
PK	10.64252G	57.37	74.00	-16.63	16.31	3	Horizontal	177	1.02	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5500MHz_TX

23/12/2018

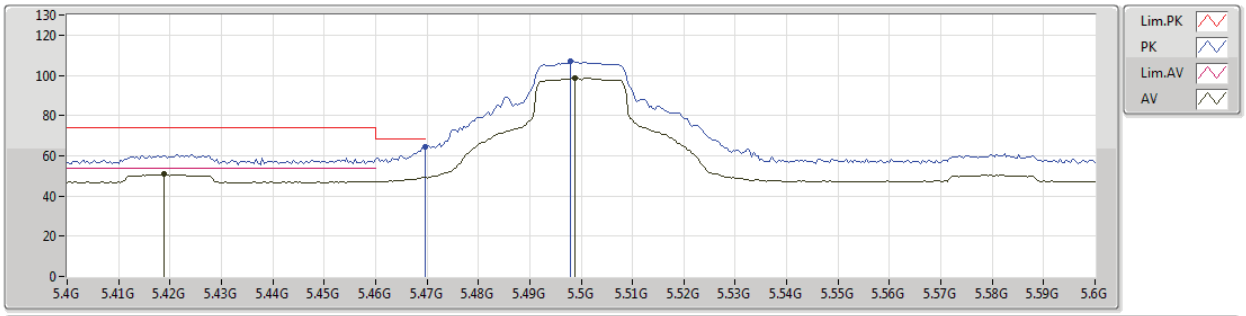


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4192G	48.36	54.00	-5.64	4.34	3	Vertical	133	2.89	-
AV	5.4988G	97.30	Inf	-Inf	4.45	3	Vertical	133	2.89	-
PK	5.4696G	64.89	68.20	-3.31	4.41	3	Vertical	133	2.89	-
PK	5.498G	105.71	Inf	-Inf	4.45	3	Vertical	133	2.89	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5500MHz_TX

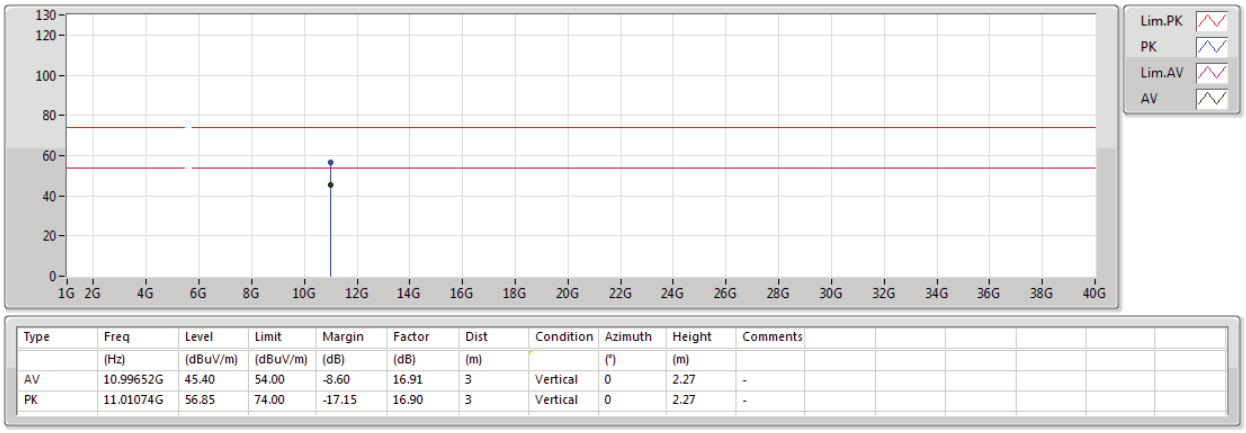


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4188G	50.75	54.00	-3.25	4.34	3	Horizontal	271	1.01	-
AV	5.4988G	98.61	Inf	-Inf	4.45	3	Horizontal	271	1.01	-
PK	5.4696G	64.70	68.20	-3.50	4.41	3	Horizontal	271	1.01	-
PK	5.498G	107.00	Inf	-Inf	4.45	3	Horizontal	271	1.01	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5500MHz_TX

23/12/2018

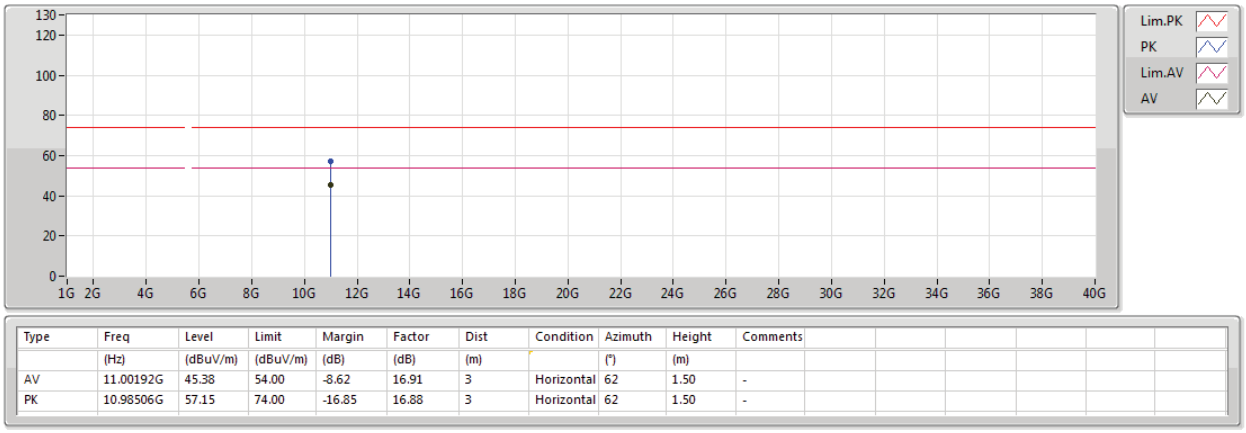


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.99652G	45.40	54.00	-8.60	16.91	3	Vertical	0	2.27	-
PK	11.01074G	56.85	74.00	-17.15	16.90	3	Vertical	0	2.27	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5500MHz_TX

23/12/2018

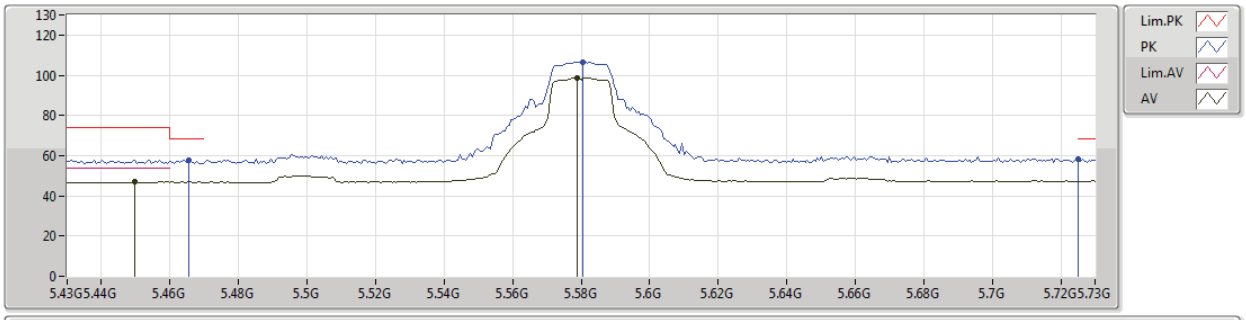


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.00192G	45.38	54.00	-8.62	16.91	3	Horizontal	62	1.50	-
PK	10.98506G	57.15	74.00	-16.85	16.88	3	Horizontal	62	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5580MHz_TX

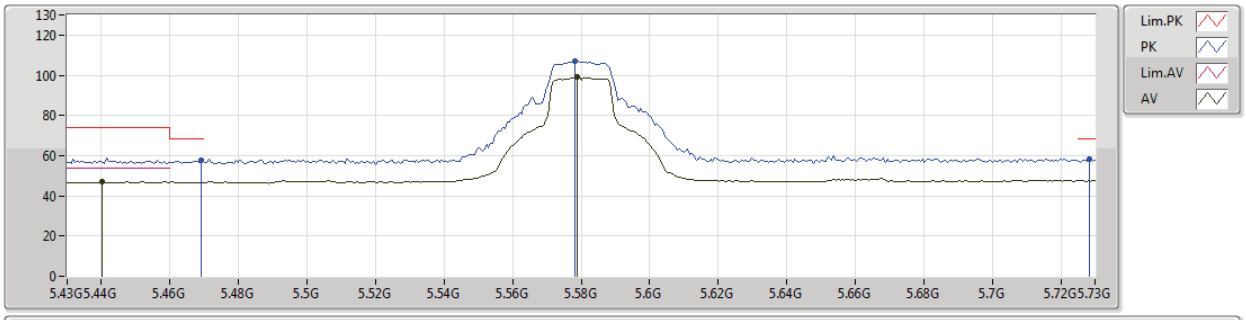


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4498G	46.82	54.00	-7.18	4.38	3	Vertical	65	2.96	-
AV	5.5788G	98.77	Inf	-Inf	4.60	3	Vertical	65	2.96	-
PK	5.4654G	57.61	68.20	-10.59	4.41	3	Vertical	65	2.96	-
PK	5.5806G	106.65	Inf	-Inf	4.60	3	Vertical	65	2.96	-
PK	5.7252G	58.09	68.20	-10.11	4.93	3	Vertical	65	2.96	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5580MHz_TX

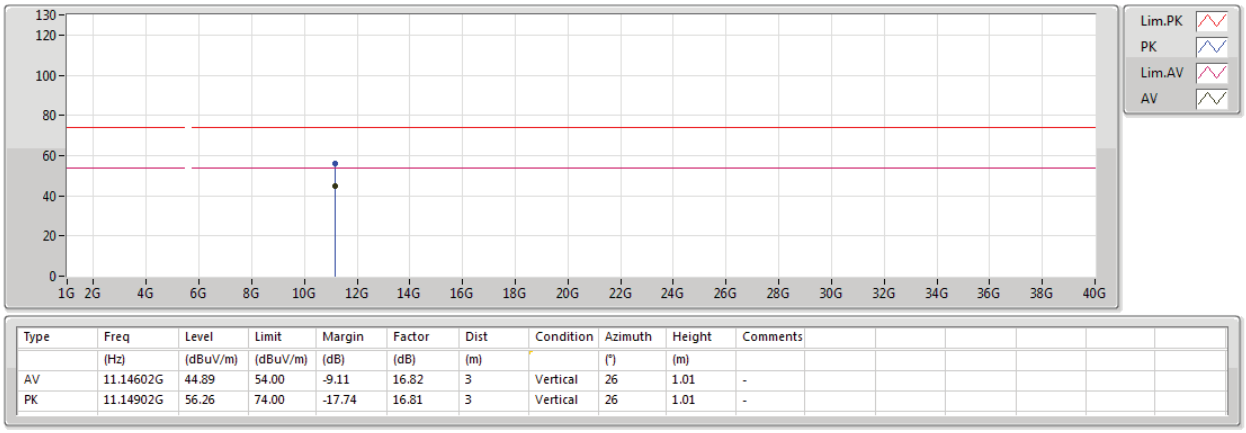


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4402G	46.88	54.00	-7.12	4.37	3	Horizontal	250	2.97	-
AV	5.5788G	98.94	Inf	-Inf	4.60	3	Horizontal	250	2.97	-
PK	5.469G	57.58	68.20	-10.62	4.41	3	Horizontal	250	2.97	-
PK	5.5782G	107.26	Inf	-Inf	4.59	3	Horizontal	250	2.97	-
PK	5.7282G	58.20	68.20	-10.00	4.94	3	Horizontal	250	2.97	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5580MHz_TX

23/12/2018

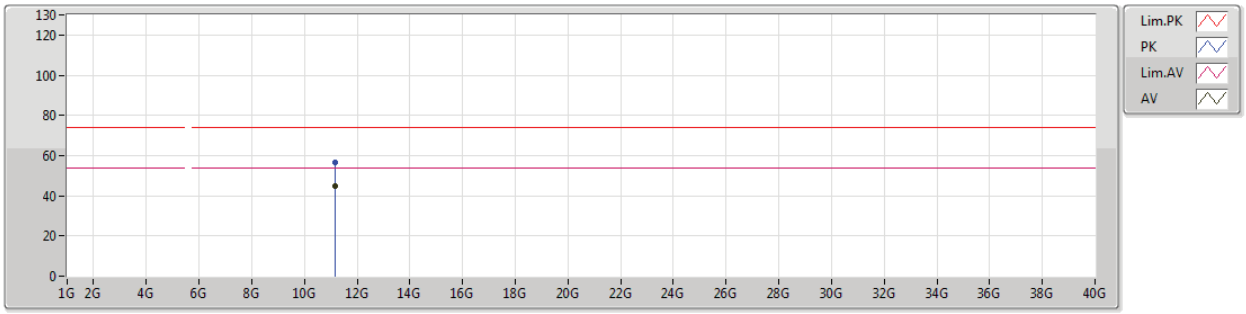


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.14602G	44.89	54.00	-9.11	16.82	3	Vertical	26	1.01	-
PK	11.14902G	56.26	74.00	-17.74	16.81	3	Vertical	26	1.01	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5580MHz_TX

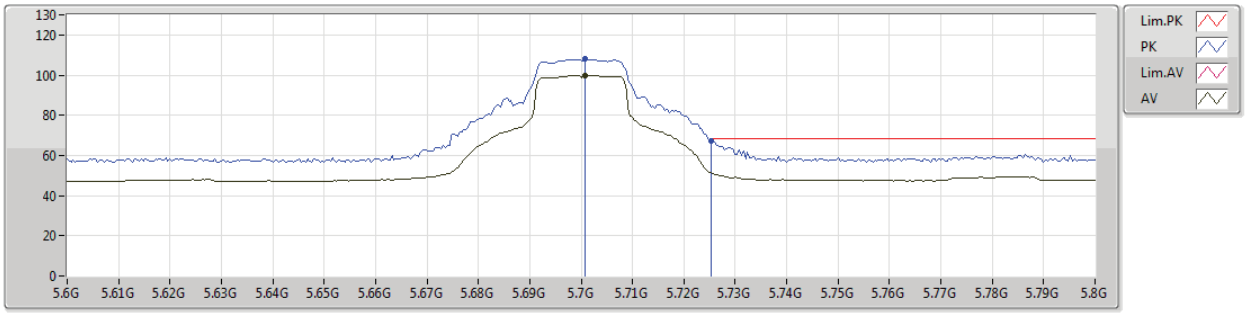


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.16228G	45.02	54.00	-8.98	16.80	3	Horizontal	358	1.50	-
PK	11.1483G	56.55	74.00	-17.45	16.81	3	Horizontal	358	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5700MHz_TX

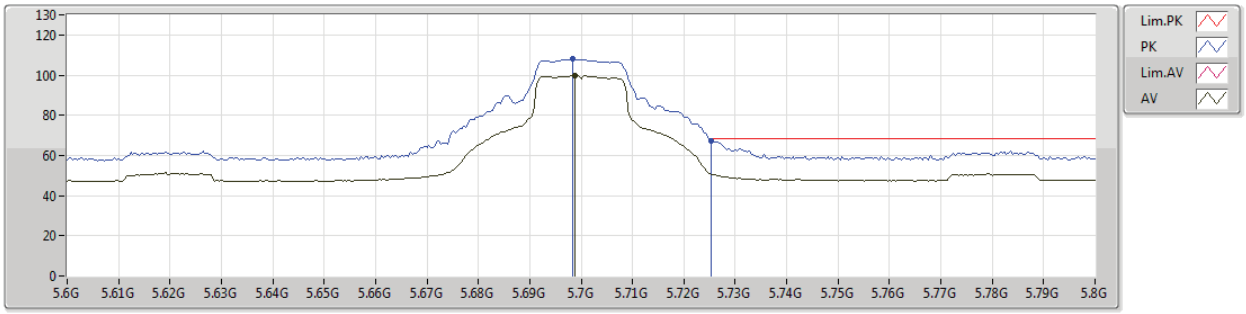


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7008G	100.01	Inf	-Inf	4.87	3	Vertical	69	2.99	-
PK	5.7008G	107.88	Inf	-Inf	4.87	3	Vertical	69	2.99	-
PK	5.7252G	67.20	68.20	-1.00	4.93	3	Vertical	69	2.99	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5700MHz_TX

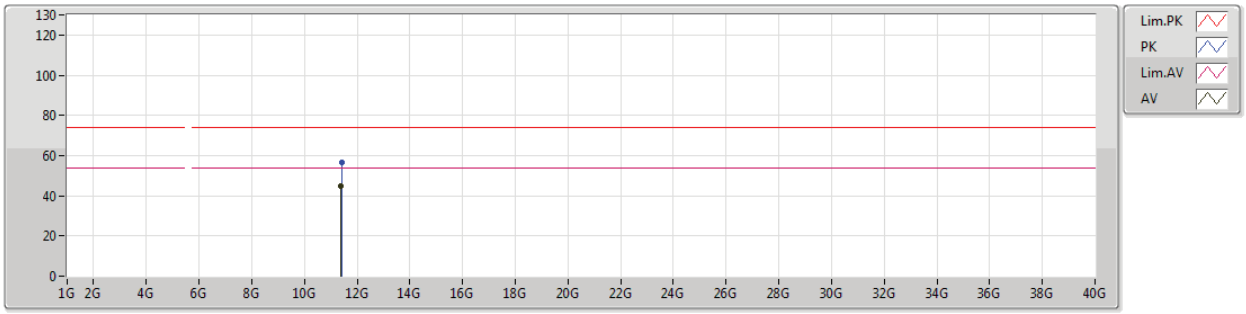


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.6988G	99.67	Inf	-Inf	4.87	3	Horizontal	267	2.87	-
PK	5.6984G	108.25	Inf	-Inf	4.87	3	Horizontal	267	2.87	-
PK	5.7252G	67.42	68.20	-0.78	4.93	3	Horizontal	267	2.87	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5700MHz_TX

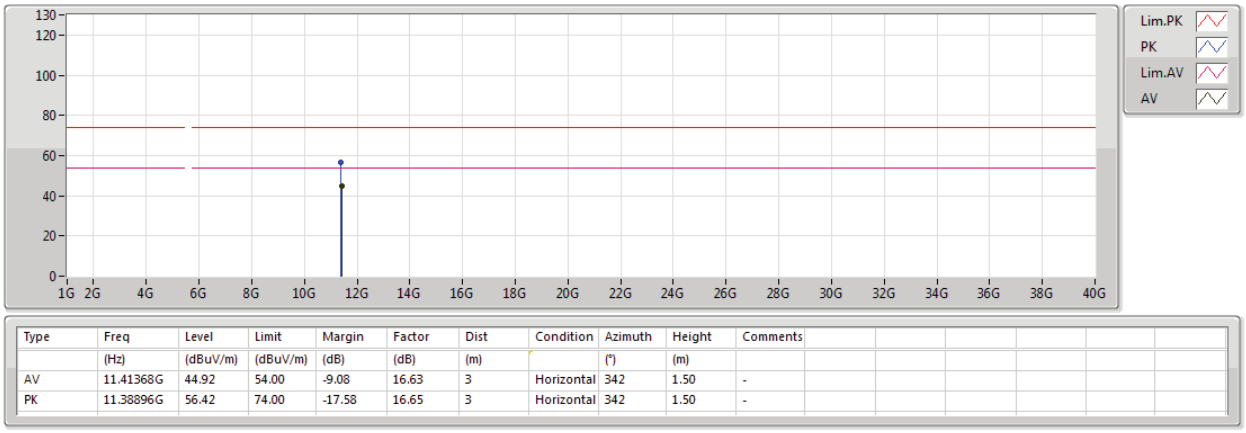


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.3874G	44.95	54.00	-9.05	16.65	3	Vertical	165	1.33	-
PK	11.4108G	56.53	74.00	-17.47	16.63	3	Vertical	165	1.33	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5700MHz_TX

23/12/2018

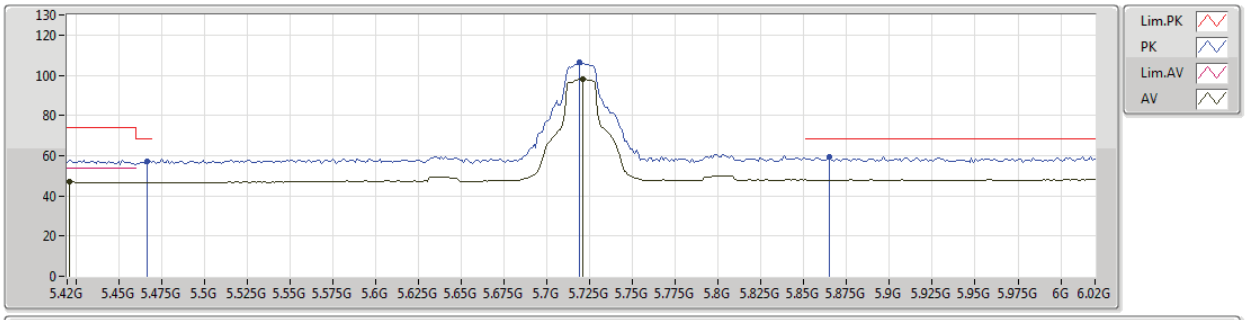


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.41368G	44.92	54.00	-9.08	16.63	3	Horizontal	342	1.50	-
PK	11.38896G	56.42	74.00	-17.58	16.65	3	Horizontal	342	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5720MHz Straddle 5.47-5.725GHz_TX

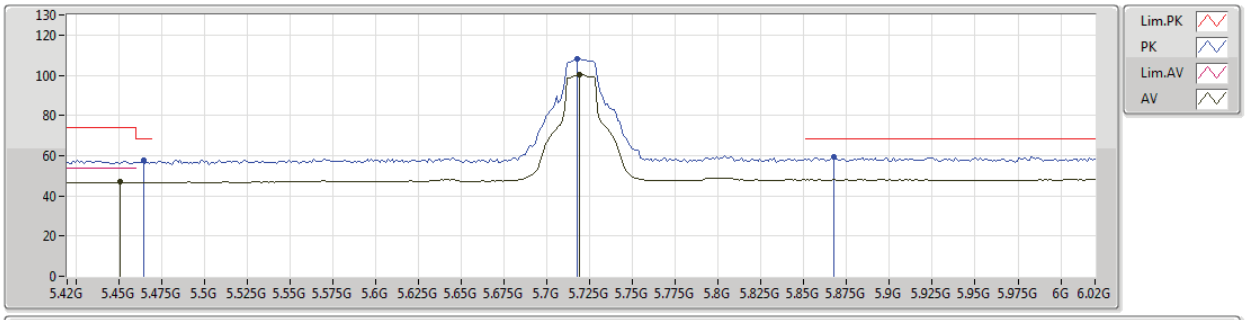


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4212G	46.84	54.00	-7.16	4.34	3	Vertical	70	2.97	-
AV	5.7212G	98.00	Inf	-Inf	4.93	3	Vertical	70	2.97	-
PK	5.4668G	57.17	68.20	-11.03	4.41	3	Vertical	70	2.97	-
PK	5.7188G	106.19	Inf	-Inf	4.92	3	Vertical	70	2.97	-
PK	5.8652G	59.29	68.20	-8.91	5.18	3	Vertical	70	2.97	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5720MHz Straddle 5.47-5.725GHz_TX

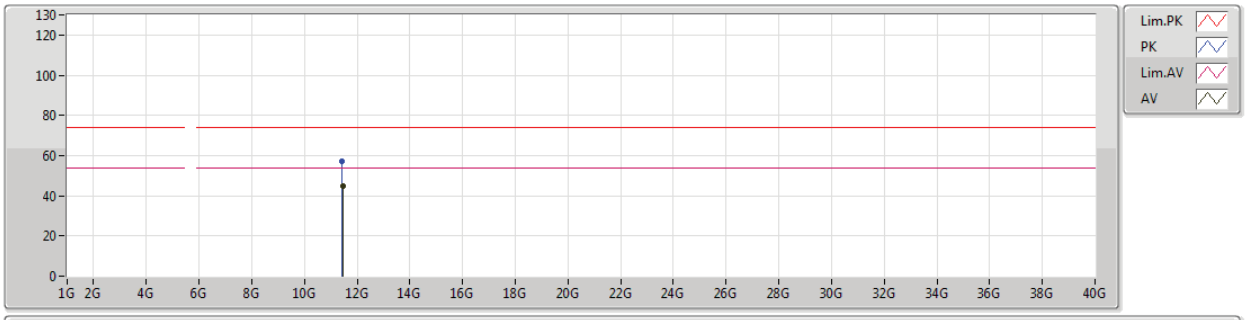


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4512G	46.82	54.00	-7.18	4.39	3	Horizontal	340	2.90	-
AV	5.7188G	100.03	Inf	-Inf	4.92	3	Horizontal	340	2.90	-
PK	5.4644G	57.80	68.20	-10.40	4.41	3	Horizontal	340	2.90	-
PK	5.7176G	108.36	Inf	-Inf	4.91	3	Horizontal	340	2.90	-
PK	5.8676G	59.59	68.20	-8.61	5.18	3	Horizontal	340	2.90	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5720MHz Straddle 5.47-5.725GHz_TX

23/12/2018

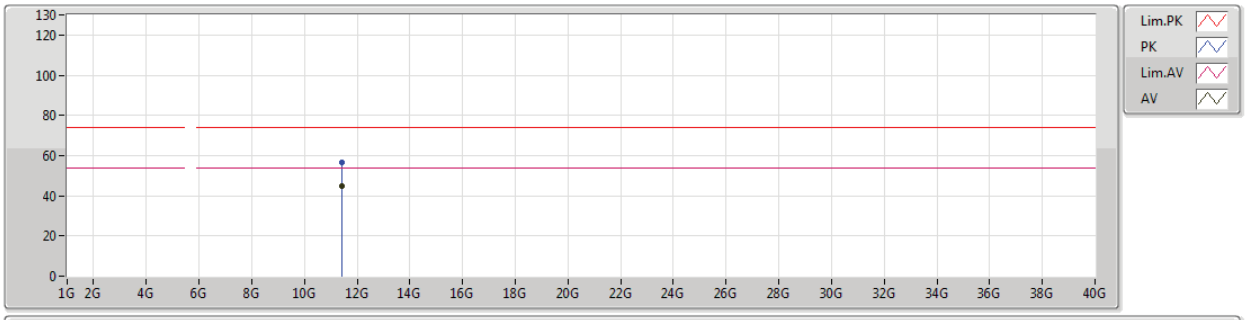


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.45296G	44.78	54.00	-9.22	16.60	3	Vertical	241	1.50	-
PK	11.4298G	56.92	74.00	-17.08	16.62	3	Vertical	241	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5720MHz Straddle 5.47-5.725GHz_TX

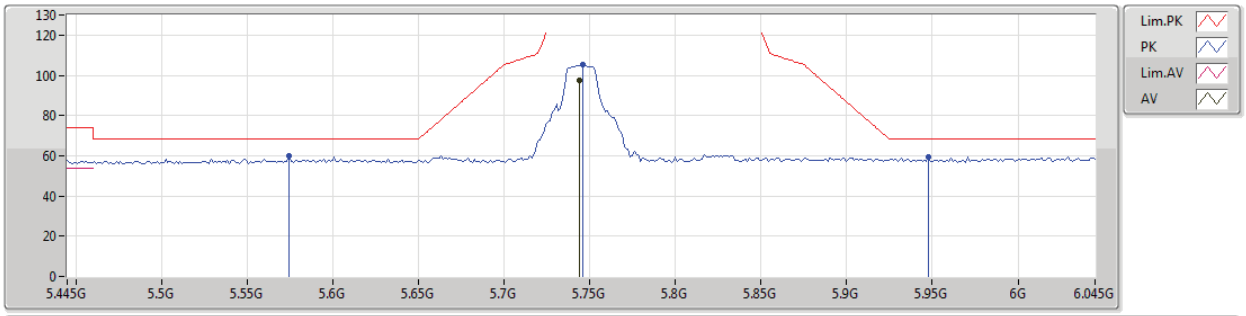


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.42818G	44.91	54.00	-9.09	16.62	3	Horizontal	159	1.50	-
PK	11.43652G	56.62	74.00	-17.38	16.61	3	Horizontal	159	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5745MHz_TX

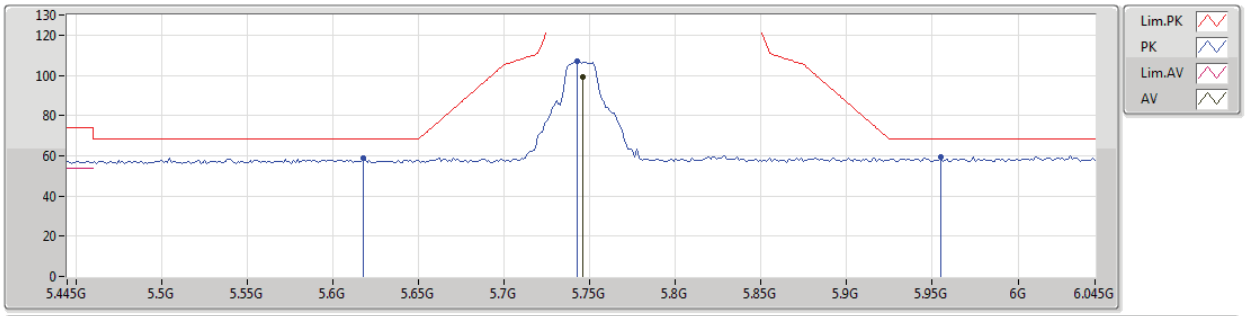


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7438G	97.25	Inf	-Inf	4.98	3	Vertical	71	2.95	-
PK	5.5746G	59.68	68.20	-8.52	4.58	3	Vertical	71	2.95	-
PK	5.7462G	105.15	Inf	-Inf	4.98	3	Vertical	71	2.95	-
PK	5.9478G	59.34	68.20	-8.86	5.26	3	Vertical	71	2.95	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5745MHz_TX

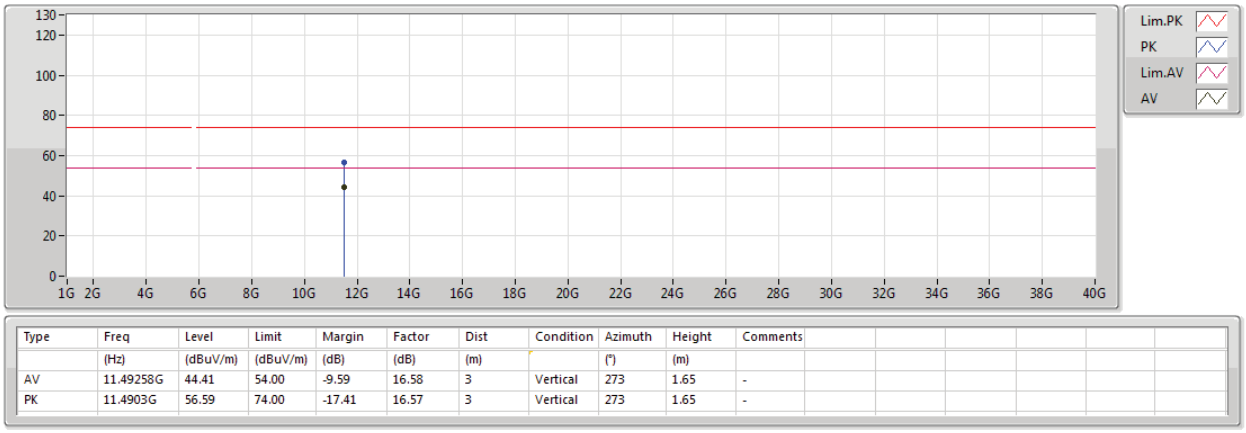


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7462G	99.04	Inf	-Inf	4.98	3	Horizontal	342	2.87	-
PK	5.6178G	59.00	68.20	-9.20	4.66	3	Horizontal	342	2.87	-
PK	5.7426G	107.18	Inf	-Inf	4.98	3	Horizontal	342	2.87	-
PK	5.955G	59.18	68.20	-9.02	5.26	3	Horizontal	342	2.87	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5745MHz_TX

23/12/2018

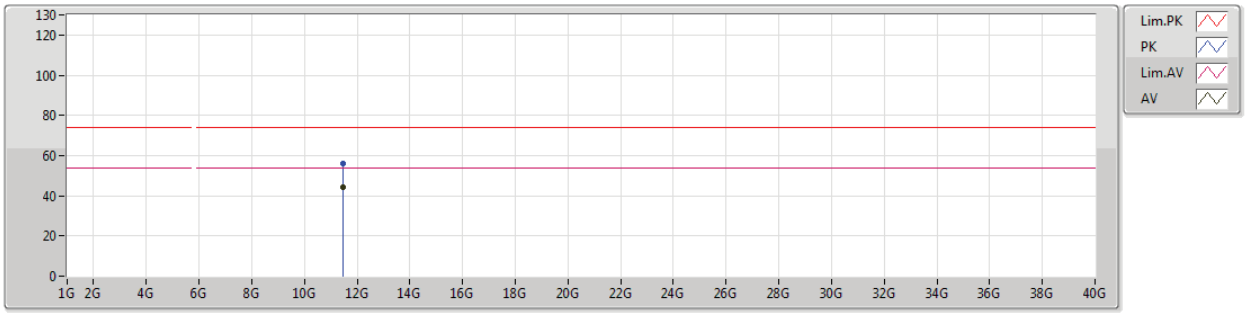


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.49258G	44.41	54.00	-9.59	16.58	3	Vertical	273	1.65	-
PK	11.4903G	56.59	74.00	-17.41	16.57	3	Vertical	273	1.65	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5745MHz_TX

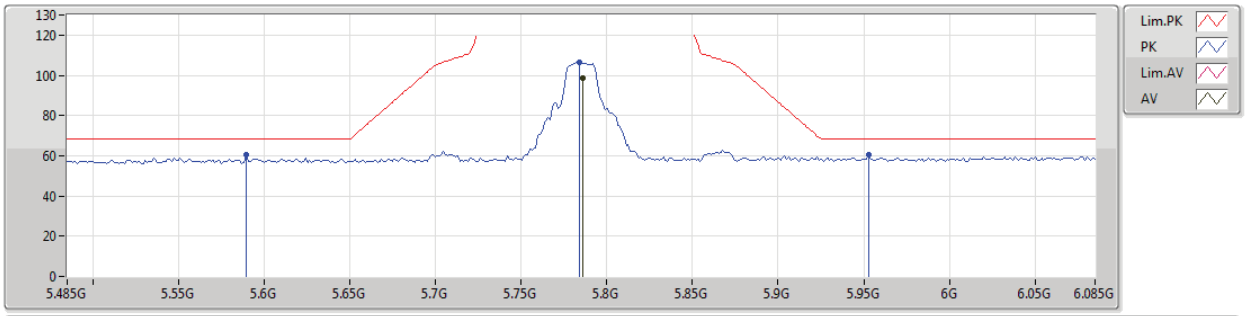


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.48376G	44.50	54.00	-9.50	16.58	3	Horizontal	96	1.50	-
PK	11.4786G	55.80	74.00	-18.20	16.59	3	Horizontal	96	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5785MHz_TX

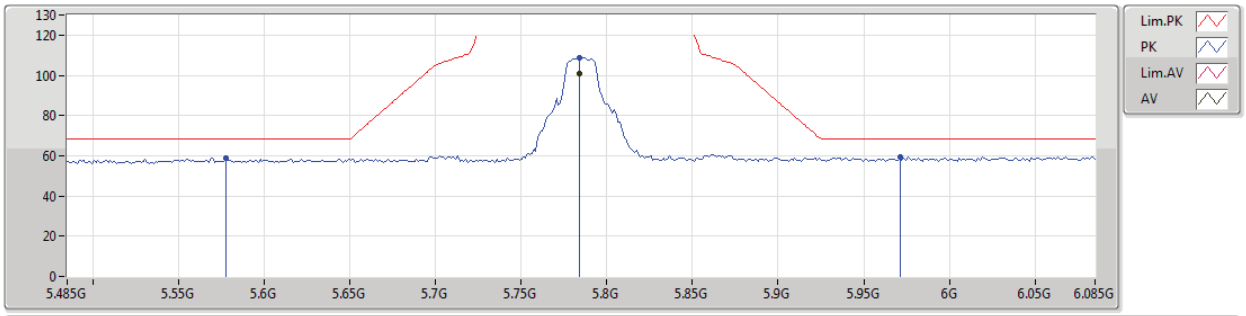


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7862G	98.39	Inf	-Inf	5.08	3	Vertical	71	2.91	-
PK	5.5894G	60.67	68.20	-7.53	4.61	3	Vertical	71	2.91	-
PK	5.7838G	106.73	Inf	-Inf	5.08	3	Vertical	71	2.91	-
PK	5.953G	60.59	68.20	-7.61	5.25	3	Vertical	71	2.91	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5785MHz_TX

23/12/2018

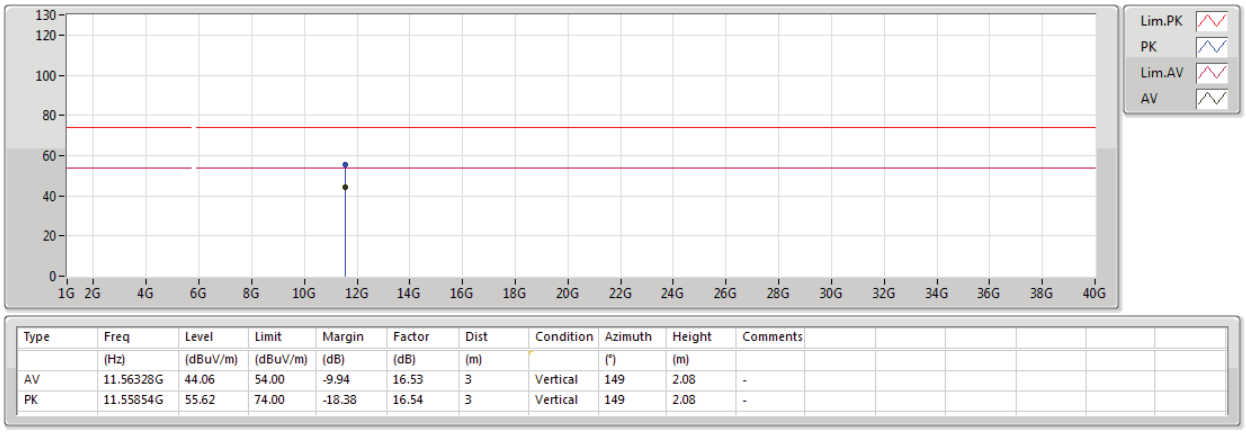


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7838G	100.83	Inf	-Inf	5.08	3	Horizontal	343	1.04	-
PK	5.5774G	58.94	68.20	-9.26	4.59	3	Horizontal	343	1.04	-
PK	5.7838G	108.79	Inf	-Inf	5.08	3	Horizontal	343	1.04	-
PK	5.971G	59.40	68.20	-8.80	5.28	3	Horizontal	343	1.04	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5785MHz_TX

23/12/2018

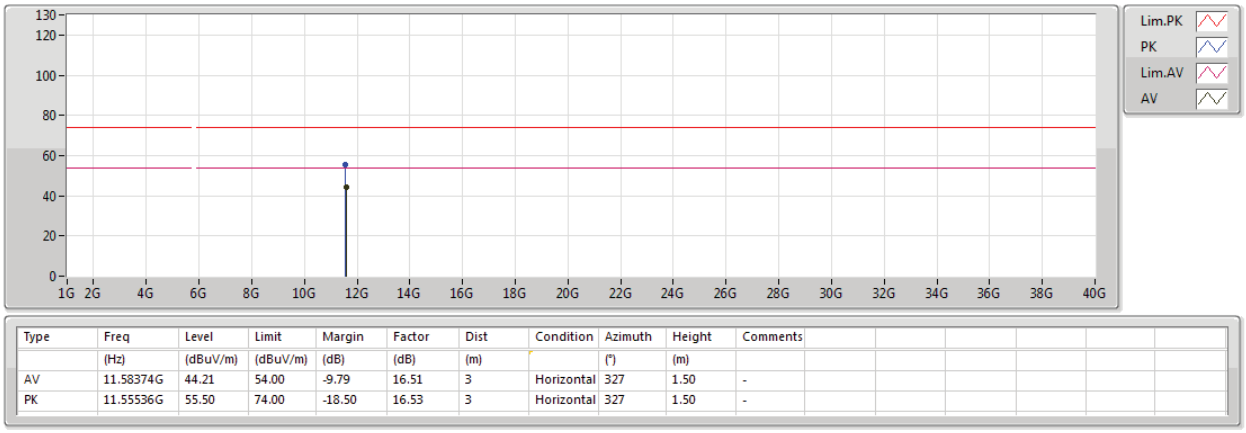


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.56328G	44.06	54.00	-9.94	16.53	3	Vertical	149	2.08	-
PK	11.55854G	55.62	74.00	-18.38	16.54	3	Vertical	149	2.08	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5785MHz_TX

23/12/2018

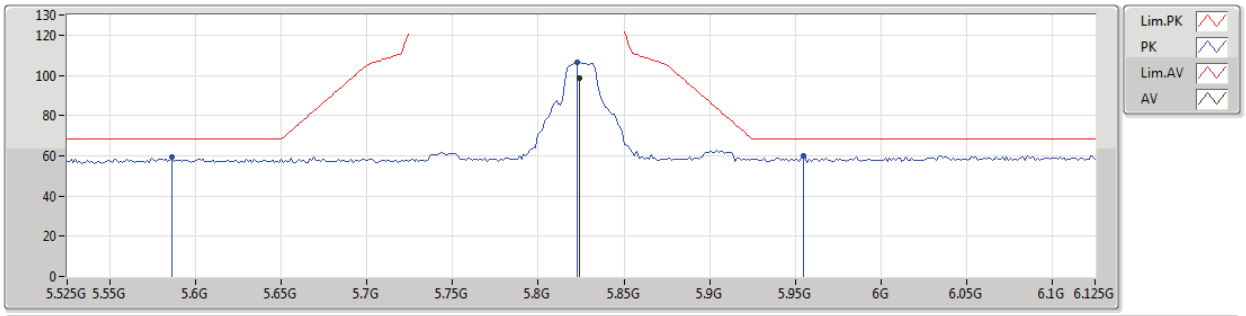


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.58374G	44.21	54.00	-9.79	16.51	3	Horizontal	327	1.50	-
PK	11.55536G	55.50	74.00	-18.50	16.53	3	Horizontal	327	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5825MHz_TX

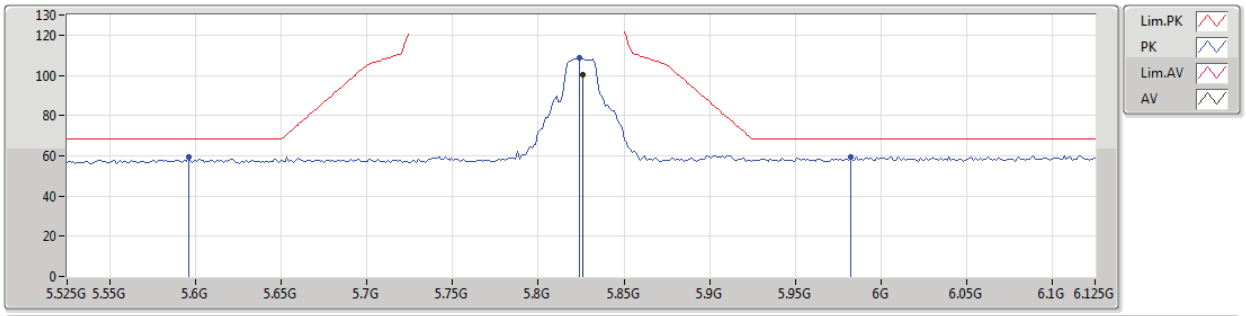


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8238G	98.50	Inf	-Inf	5.14	3	Vertical	71	2.89	-
PK	5.5862G	59.43	68.20	-8.77	4.60	3	Vertical	71	2.89	-
PK	5.8226G	106.70	Inf	-Inf	5.14	3	Vertical	71	2.89	-
PK	5.9546G	59.76	68.20	-8.44	5.26	3	Vertical	71	2.89	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

5825MHz_TX

23/12/2018

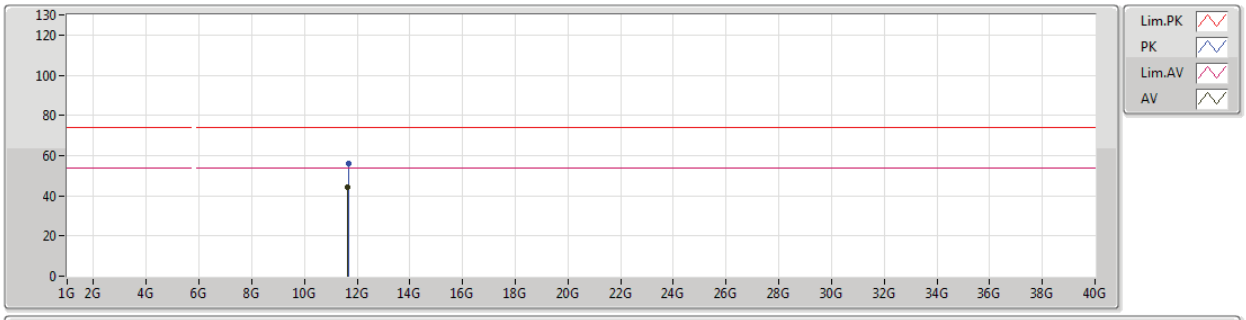


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8262G	100.48	Inf	-Inf	5.14	3	Vertical	342	1.01	-
PK	5.5958G	59.28	68.20	-8.92	4.62	3	Vertical	342	1.01	-
PK	5.8238G	108.81	Inf	-Inf	5.14	3	Vertical	342	1.01	-
PK	5.9822G	59.37	68.20	-8.83	5.29	3	Vertical	342	1.01	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5825MHz_TX

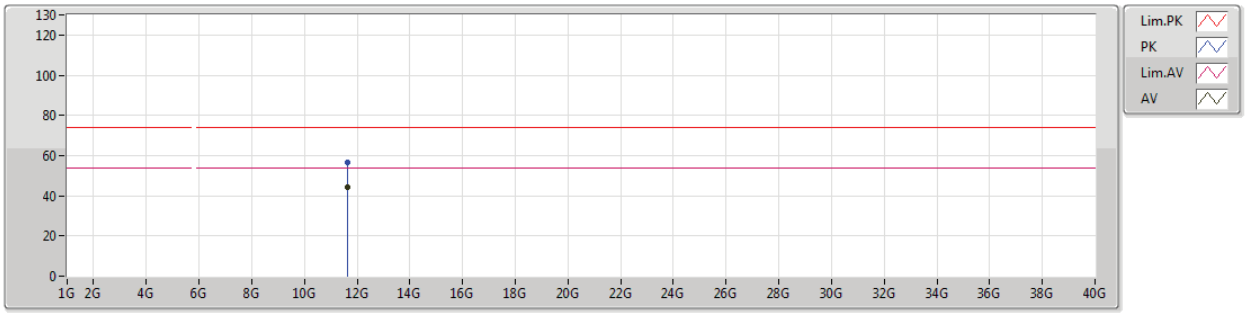


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.6425G	44.15	54.00	-9.85	16.48	3	Vertical	195	2.03	-
PK	11.65876G	55.79	74.00	-18.21	16.47	3	Vertical	195	2.03	-

802.11a_Nss1,(6Mbps)_1TX(Port3)

23/12/2018

5825MHz_TX

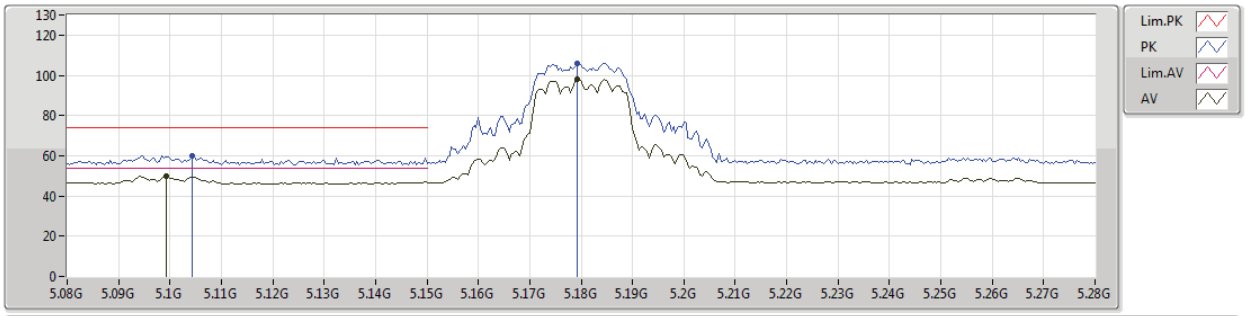


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.6365G	44.18	54.00	-9.82	16.48	3	Horizontal	71	2.74	-
PK	11.64178G	56.59	74.00	-17.41	16.48	3	Horizontal	71	2.74	-

802.11ac VHT20_Nss1,(MCS0)_3TX

21/12/2018

5180MHz_TX

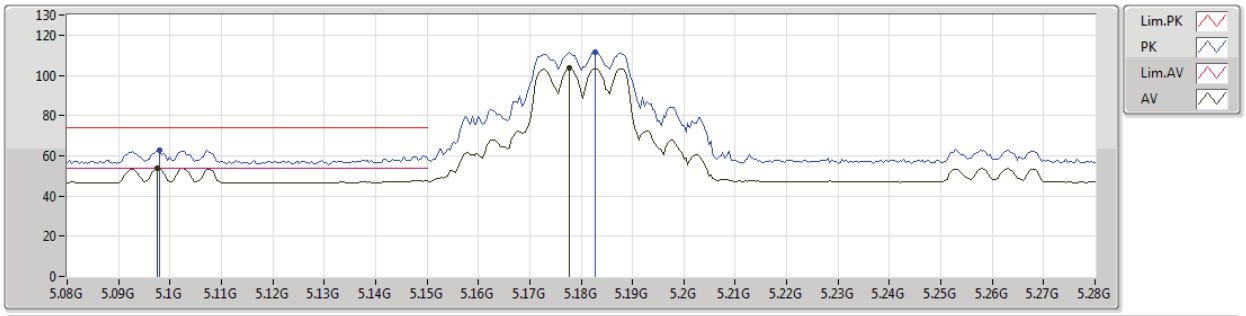


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.0992G	49.98	54.00	-4.02	3.94	3	Vertical	195	2.97	-
AV	5.1792G	98.14	Inf	-Inf	4.05	3	Vertical	195	2.97	-
PK	5.1044G	60.17	74.00	-13.83	3.95	3	Vertical	195	2.97	-
PK	5.1792G	106.18	Inf	-Inf	4.05	3	Vertical	195	2.97	-

802.11ac VHT20_Nss1,(MCS0)_3TX

21/12/2018

5180MHz_TX

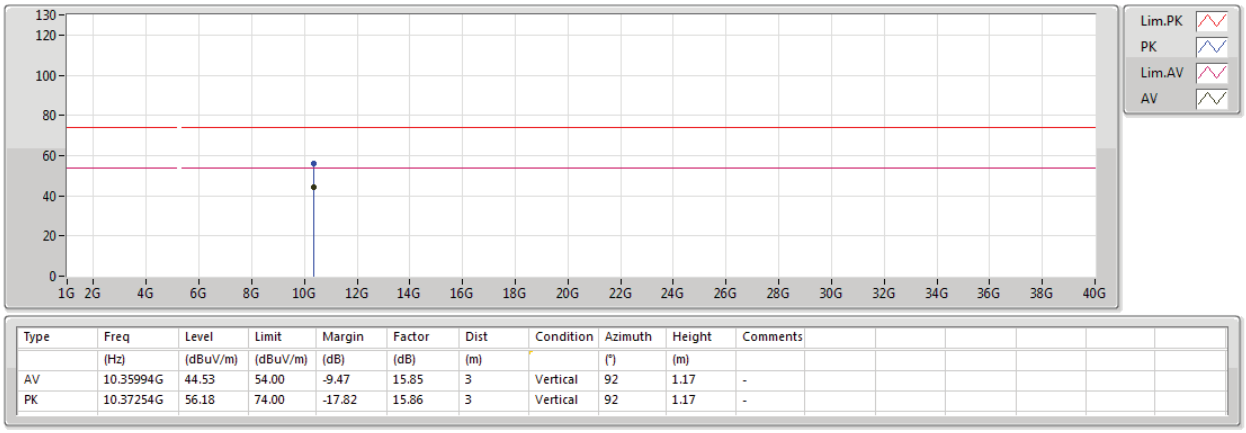


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.0976G	53.75	54.00	-0.25	3.94	3	Horizontal	222	1.01	-
AV	5.1776G	103.40	Inf	-Inf	4.05	3	Horizontal	222	1.01	-
PK	5.098G	62.65	74.00	-11.35	3.94	3	Horizontal	222	1.01	-
PK	5.1828G	111.72	Inf	-Inf	4.06	3	Horizontal	222	1.01	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

23/12/2018

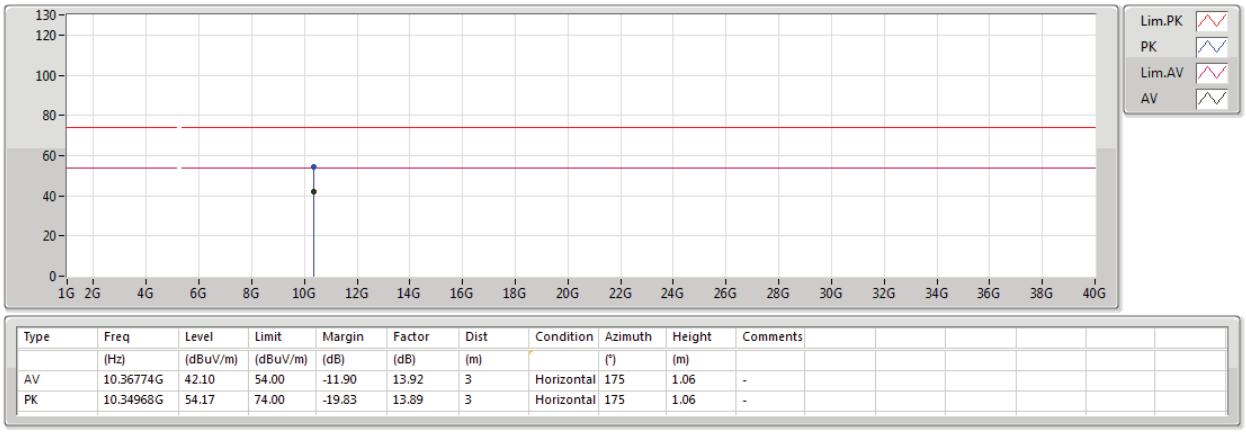


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.35994G	44.53	54.00	-9.47	15.85	3	Vertical	92	1.17	-
PK	10.37254G	56.18	74.00	-17.82	15.86	3	Vertical	92	1.17	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

23/12/2018

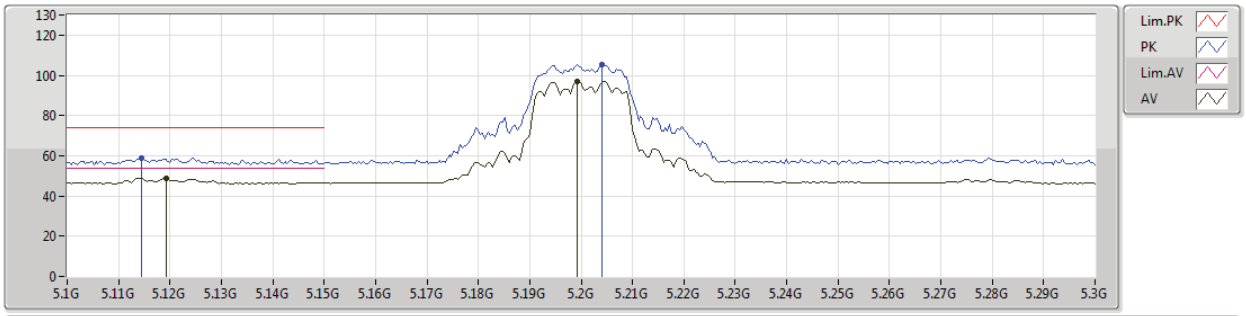


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.36774G	42.10	54.00	-11.90	13.92	3	Horizontal	175	1.06	-
PK	10.34968G	54.17	74.00	-19.83	13.89	3	Horizontal	175	1.06	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

21/12/2018

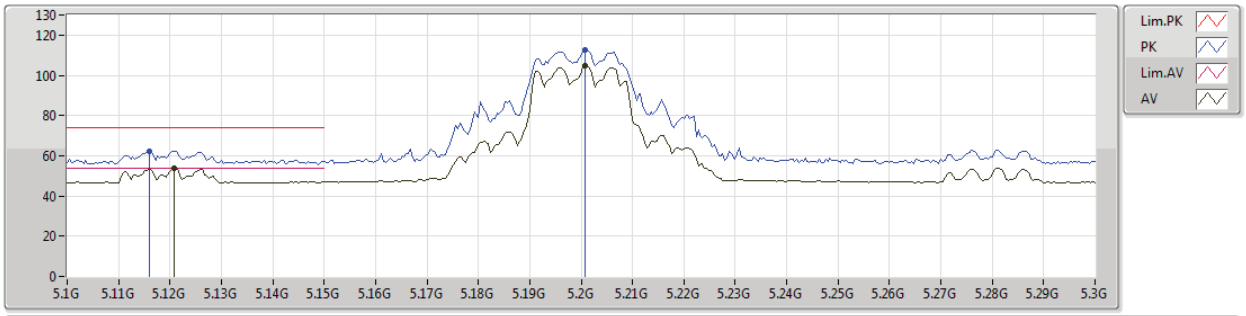


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1192G	48.99	54.00	-5.01	3.97	3	Vertical	191	2.96	-
AV	5.1992G	97.21	Inf	-Inf	4.08	3	Vertical	191	2.96	-
PK	5.1144G	59.08	74.00	-14.92	3.97	3	Vertical	191	2.96	-
PK	5.204G	105.14	Inf	-Inf	4.08	3	Vertical	191	2.96	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

21/12/2018

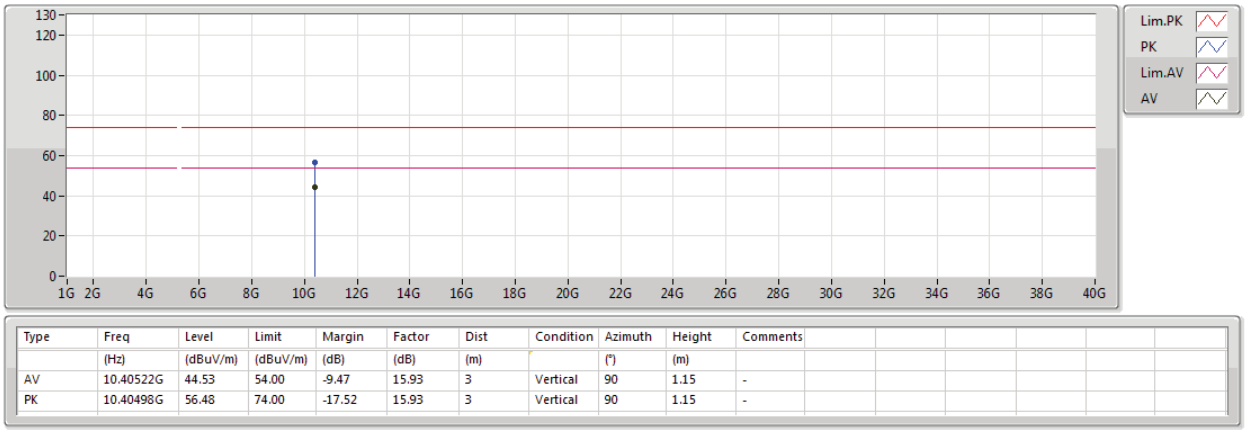


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1208G	53.74	54.00	-0.26	3.97	3	Horizontal	252	1.01	-
AV	5.2008G	104.72	Inf	-Inf	4.08	3	Horizontal	252	1.01	-
PK	5.116G	62.47	74.00	-11.53	3.97	3	Horizontal	252	1.01	-
PK	5.2008G	112.82	Inf	-Inf	4.08	3	Horizontal	252	1.01	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

23/12/2018

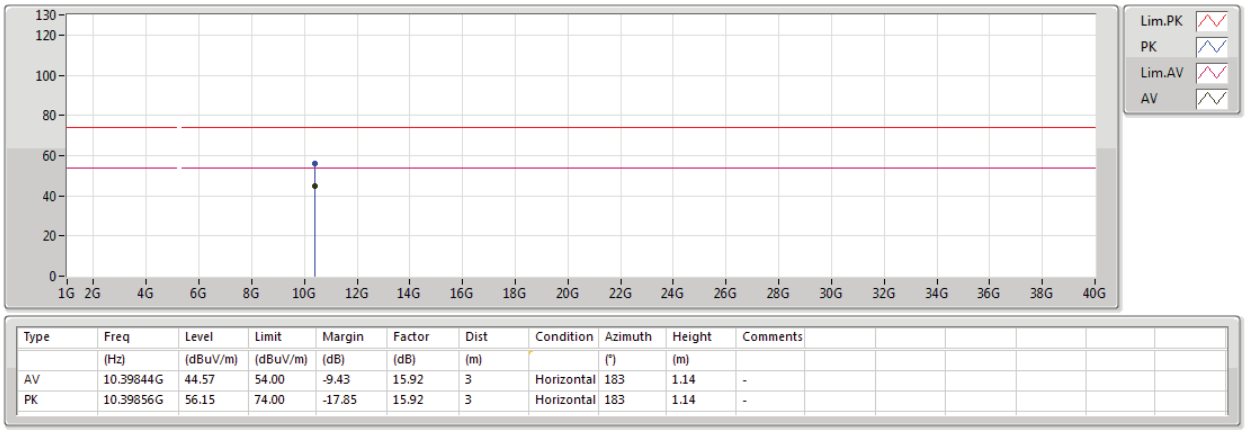


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.40522G	44.53	54.00	-9.47	15.93	3	Vertical	90	1.15	-
PK	10.40498G	56.48	74.00	-17.52	15.93	3	Vertical	90	1.15	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

23/12/2018

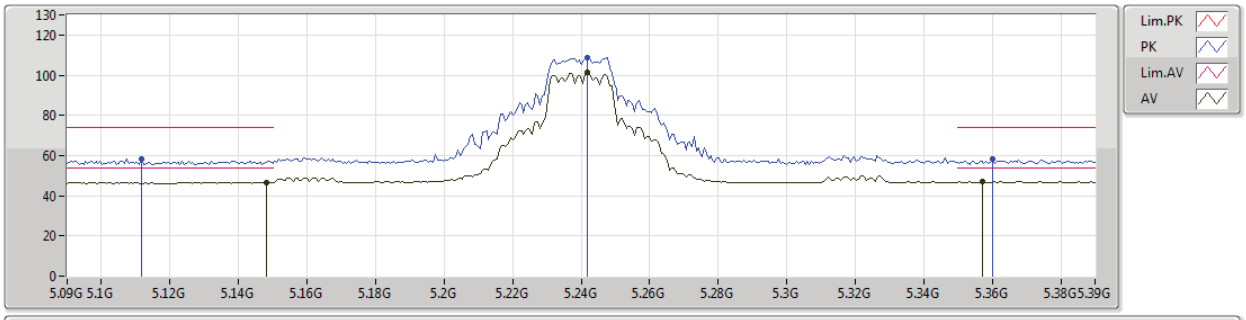


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.39844G	44.57	54.00	-9.43	15.92	3	Horizontal	183	1.14	-
PK	10.39856G	56.15	74.00	-17.85	15.92	3	Horizontal	183	1.14	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

21/12/2018

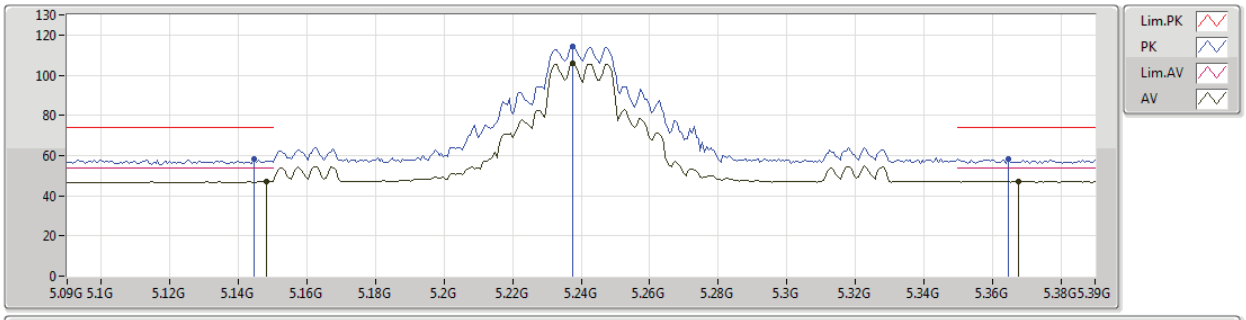


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1482G	46.63	54.00	-7.37	4.01	3	Vertical	209	2.91	-
AV	5.2418G	101.41	Inf	-Inf	4.13	3	Vertical	209	2.91	-
AV	5.357G	46.96	54.00	-7.04	4.27	3	Vertical	209	2.91	-
PK	5.1116G	58.41	74.00	-15.59	3.96	3	Vertical	209	2.91	-
PK	5.2418G	108.91	Inf	-Inf	4.13	3	Vertical	209	2.91	-
PK	5.36G	58.09	74.00	-15.91	4.28	3	Vertical	209	2.91	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

21/12/2018

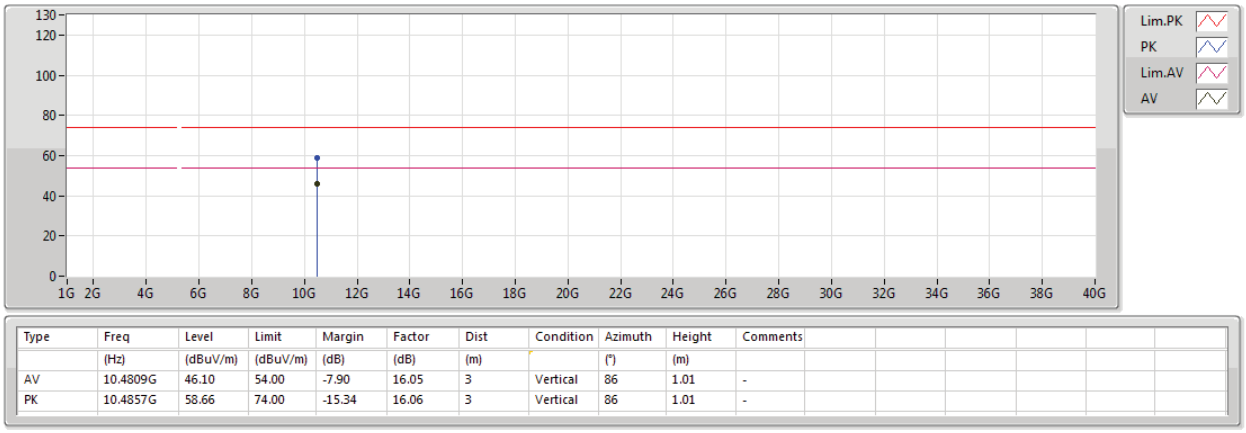


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1482G	47.00	54.00	-7.00	4.01	3	Horizontal	227	1.01	-
AV	5.2376G	105.96	Inf	-Inf	4.12	3	Horizontal	227	1.01	-
AV	5.3678G	47.18	54.00	-6.82	4.28	3	Horizontal	227	1.01	-
PK	5.1446G	58.09	74.00	-15.91	4.01	3	Horizontal	227	1.01	-
PK	5.2376G	114.28	Inf	-Inf	4.12	3	Horizontal	227	1.01	-
PK	5.3648G	58.29	74.00	-15.71	4.28	3	Horizontal	227	1.01	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

23/12/2018

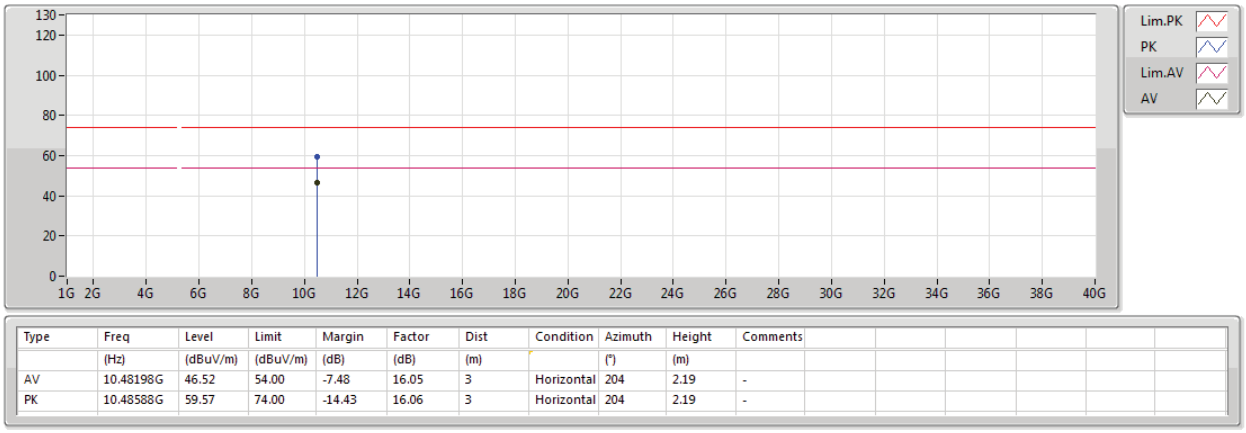


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4809G	46.10	54.00	-7.90	16.05	3	Vertical	86	1.01	-
PK	10.4857G	58.66	74.00	-15.34	16.06	3	Vertical	86	1.01	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

23/12/2018

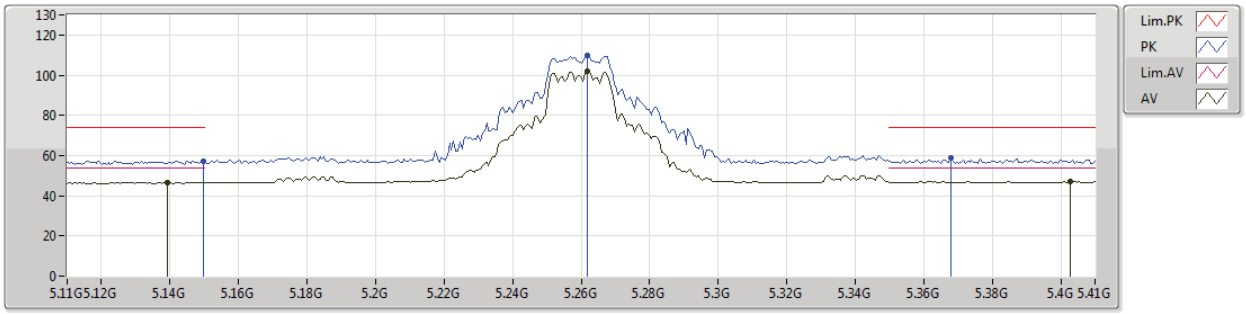


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.48198G	46.52	54.00	-7.48	16.05	3	Horizontal	204	2.19	-
PK	10.48588G	59.57	74.00	-14.43	16.06	3	Horizontal	204	2.19	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5260MHz_TX

21/12/2018

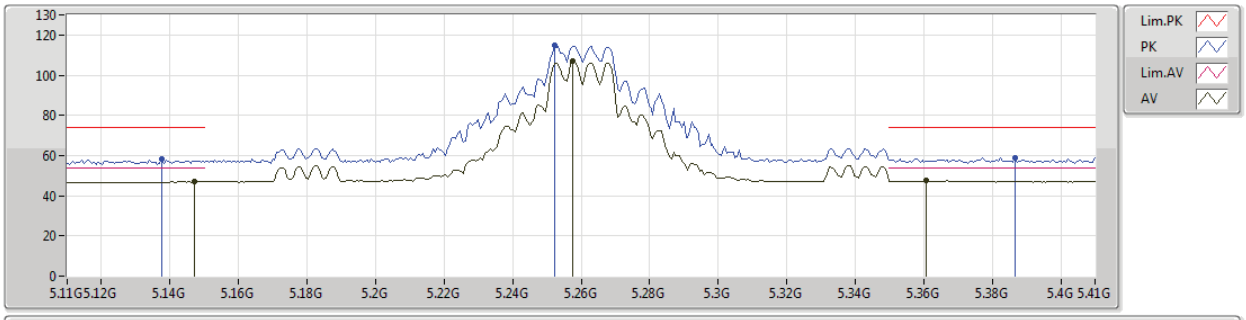


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1394G	46.75	54.00	-7.25	3.99	3	Vertical	210	2.89	-
AV	5.2618G	101.97	Inf	-Inf	4.16	3	Vertical	210	2.89	-
AV	5.4028G	47.02	54.00	-6.98	4.32	3	Vertical	210	2.89	-
PK	5.1496G	57.41	74.00	-16.59	4.01	3	Vertical	210	2.89	-
PK	5.2618G	109.62	Inf	-Inf	4.16	3	Vertical	210	2.89	-
PK	5.368G	58.66	74.00	-15.34	4.28	3	Vertical	210	2.89	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5260MHz_TX

21/12/2018

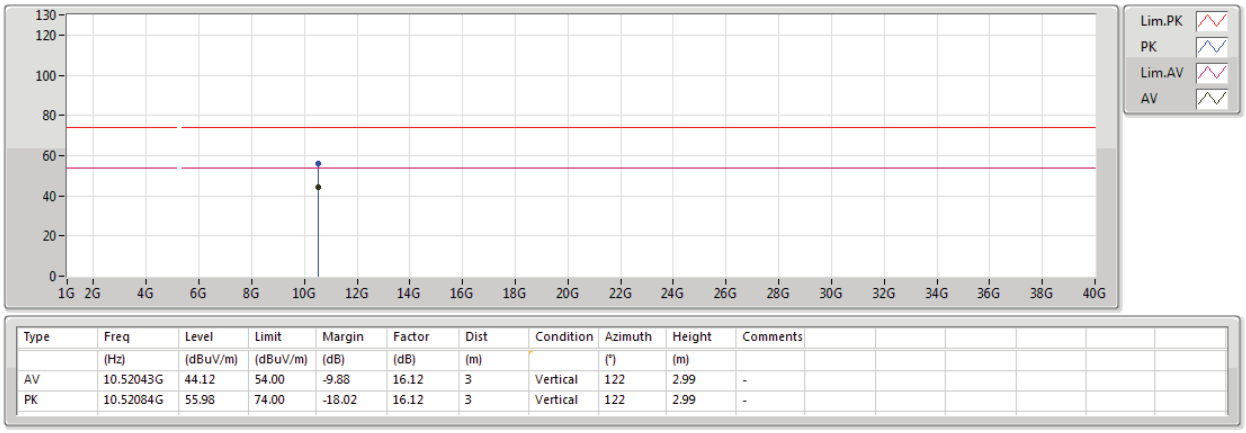


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1472G	47.17	54.00	-6.83	4.01	3	Horizontal	219	1.00	-
AV	5.2576G	106.77	Inf	-Inf	4.15	3	Horizontal	219	1.00	-
AV	5.3608G	47.51	54.00	-6.49	4.28	3	Horizontal	219	1.00	-
PK	5.1376G	58.27	74.00	-15.73	3.99	3	Horizontal	219	1.00	-
PK	5.2522G	114.79	Inf	-Inf	4.15	3	Horizontal	219	1.00	-
PK	5.3866G	58.81	74.00	-15.19	4.30	3	Horizontal	219	1.00	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5260MHz_TX

23/12/2018

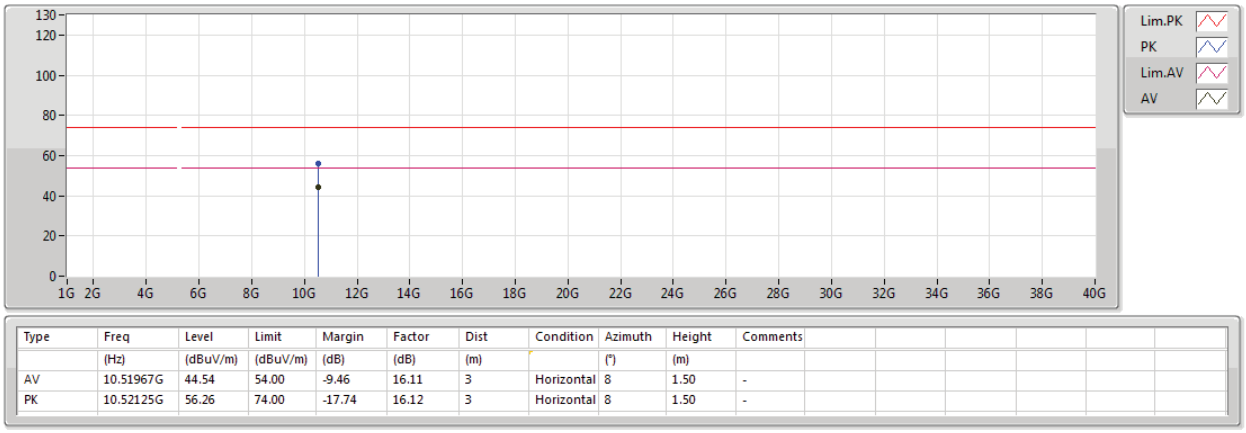


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.52043G	44.12	54.00	-9.88	16.12	3	Vertical	122	2.99	-
PK	10.52084G	55.98	74.00	-18.02	16.12	3	Vertical	122	2.99	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5260MHz_TX

23/12/2018

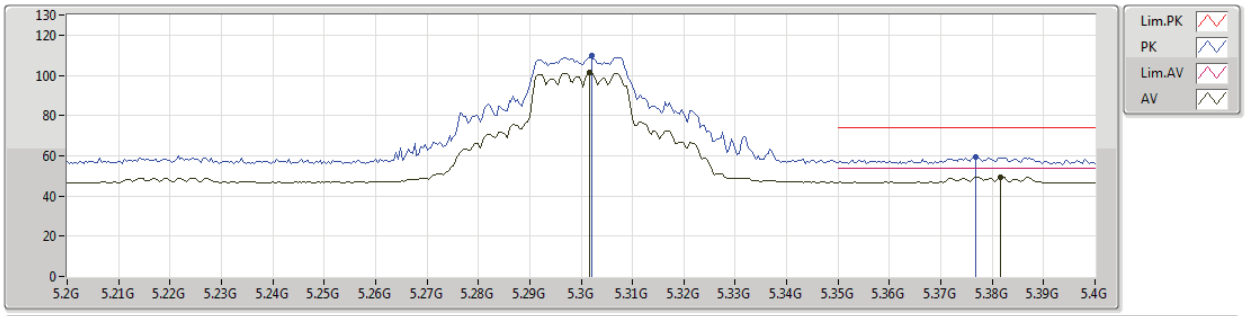


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.51967G	44.54	54.00	-9.46	16.11	3	Horizontal	8	1.50	-
PK	10.52125G	56.26	74.00	-17.74	16.12	3	Horizontal	8	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5300MHz_TX

21/12/2018

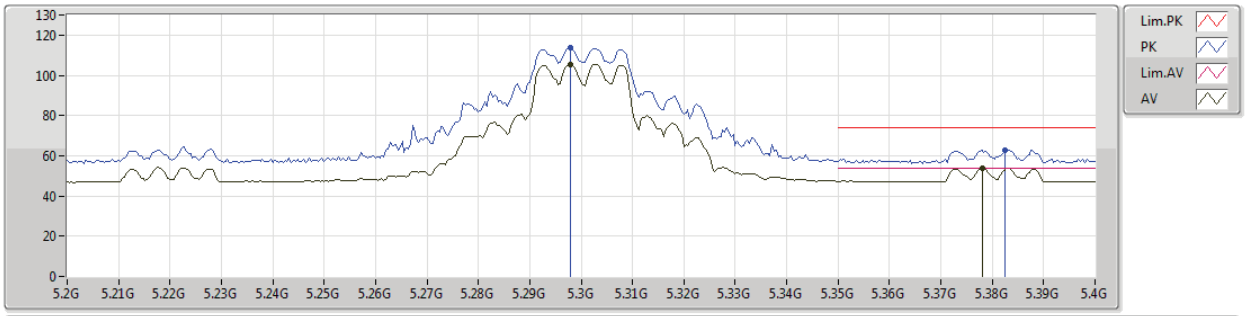


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3016G	101.60	Inf	-Inf	4.21	3	Vertical	209	2.99	-
AV	5.3816G	49.42	54.00	-4.58	4.30	3	Vertical	209	2.99	-
PK	5.302G	110.08	Inf	-Inf	4.21	3	Vertical	209	2.99	-
PK	5.3768G	59.40	74.00	-14.60	4.30	3	Vertical	209	2.99	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5300MHz_TX

21/12/2018

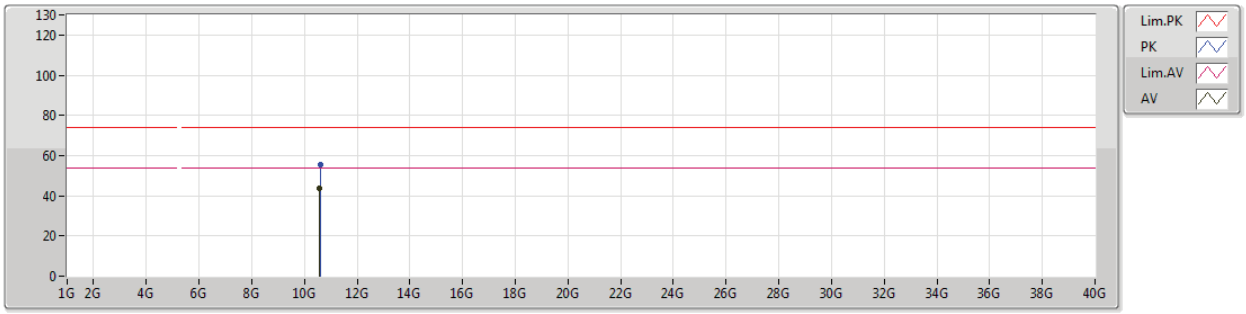


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.298G	105.57	Inf	-Inf	4.20	3	Horizontal	221	1.01	-
AV	5.378G	53.68	54.00	-0.32	4.30	3	Horizontal	221	1.01	-
PK	5.298G	114.01	Inf	-Inf	4.20	3	Horizontal	221	1.01	-
PK	5.3824G	62.92	74.00	-11.08	4.30	3	Horizontal	221	1.01	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5300MHz_TX

23/12/2018

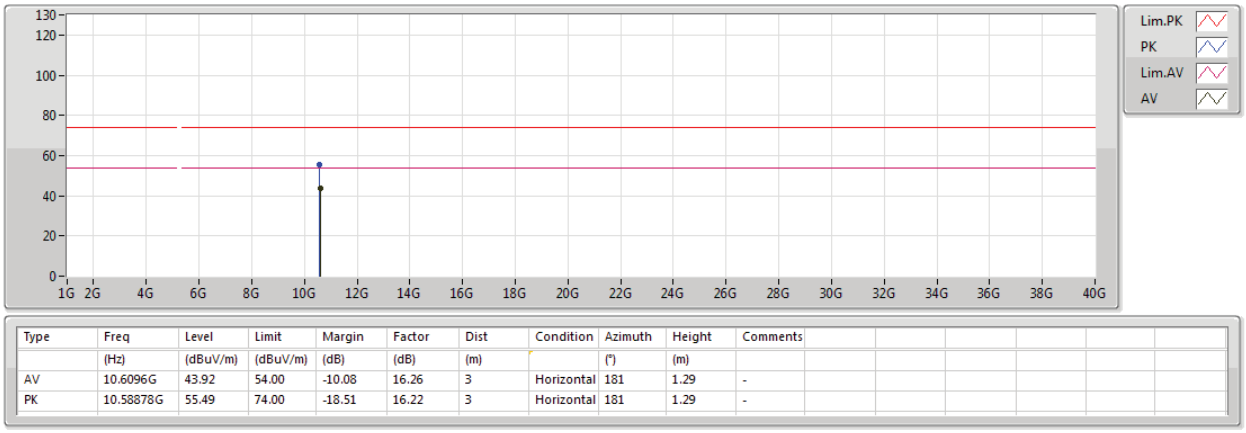


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.58542G	43.82	54.00	-10.18	16.23	3	Vertical	179	1.50	-
PK	10.60468G	55.28	74.00	-18.72	16.26	3	Vertical	179	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5300MHz_TX

23/12/2018

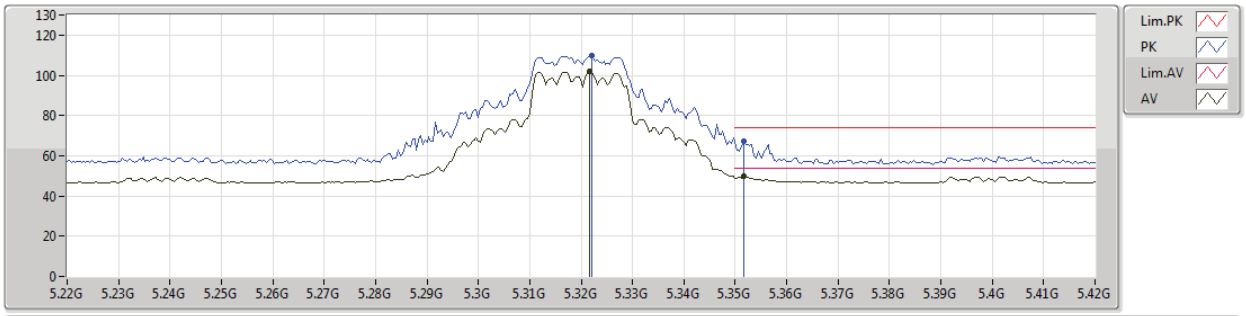


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.6096G	43.92	54.00	-10.08	16.26	3	Horizontal	181	1.29	-
PK	10.58878G	55.49	74.00	-18.51	16.22	3	Horizontal	181	1.29	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5320MHz_TX

21/12/2018

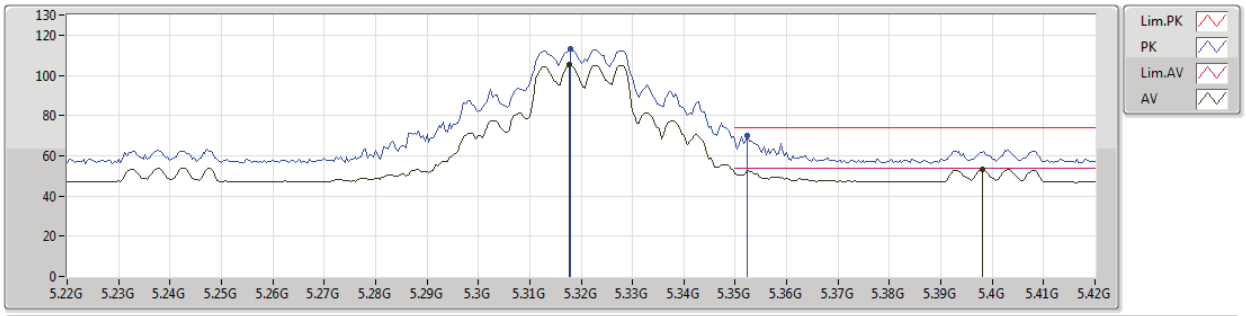


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3216G	101.76	Inf	-Inf	4.23	3	Vertical	209	2.99	-
AV	5.3516G	49.69	54.00	-4.31	4.26	3	Vertical	209	2.99	-
PK	5.322G	109.60	Inf	-Inf	4.23	3	Vertical	209	2.99	-
PK	5.3516G	67.21	74.00	-6.79	4.26	3	Vertical	209	2.99	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5320MHz_TX

21/12/2018

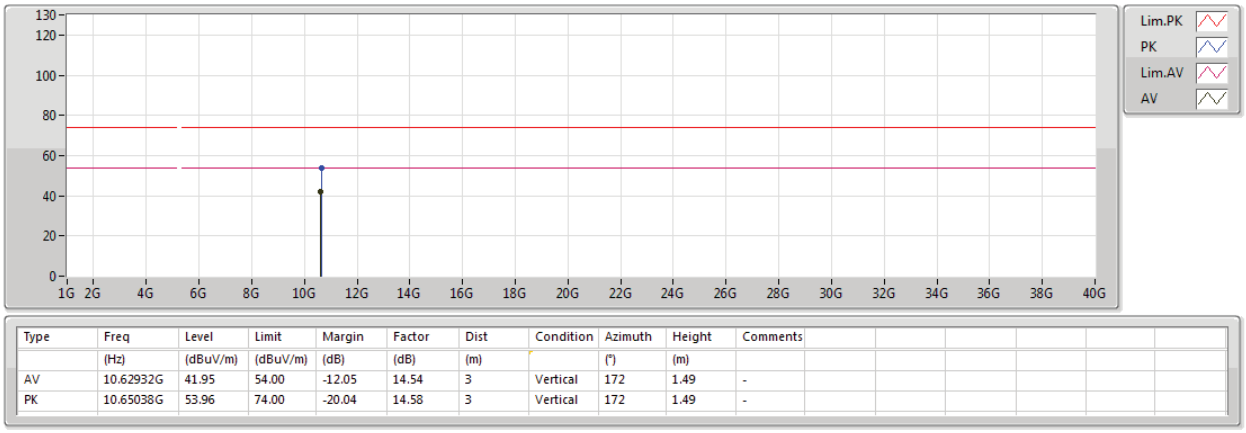


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3176G	105.13	Inf	-Inf	4.22	3	Horizontal	222	1.02	-
AV	5.398G	53.15	54.00	-0.85	4.32	3	Horizontal	222	1.02	-
PK	5.318G	113.31	Inf	-Inf	4.22	3	Horizontal	222	1.02	-
PK	5.3524G	69.89	74.00	-4.11	4.26	3	Horizontal	222	1.02	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5320MHz_TX

23/12/2018

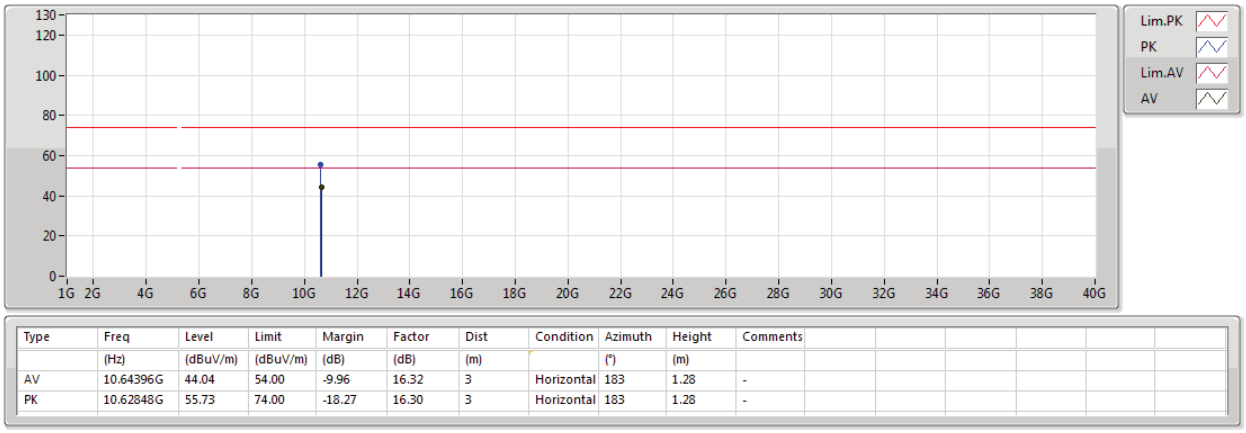


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.62932G	41.95	54.00	-12.05	14.54	3	Vertical	172	1.49	-
PK	10.65038G	53.96	74.00	-20.04	14.58	3	Vertical	172	1.49	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5320MHz_TX

23/12/2018

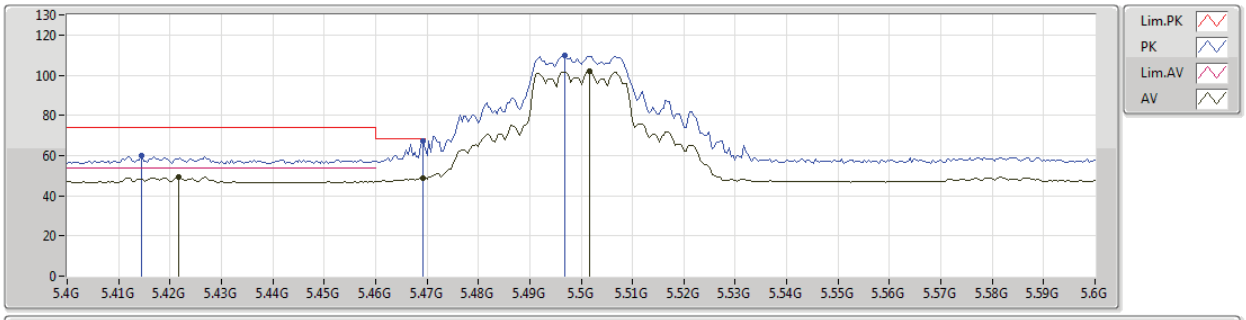


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.64396G	44.04	54.00	-9.96	16.32	3	Horizontal	183	1.28	-
PK	10.62848G	55.73	74.00	-18.27	16.30	3	Horizontal	183	1.28	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5500MHz_TX

21/12/2018

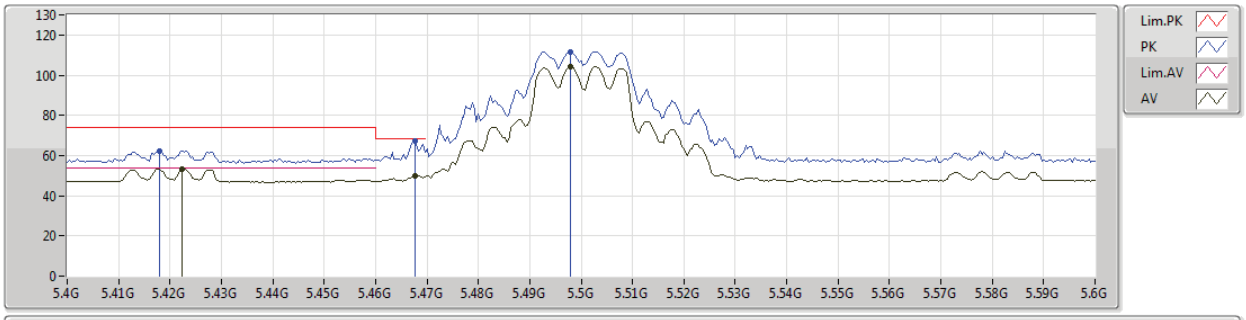


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4216G	49.13	54.00	-4.87	4.35	3	Vertical	205	2.97	-
AV	5.4692G	48.80	Inf	-Inf	4.41	3	Vertical	205	2.97	-
AV	5.5016G	102.10	Inf	-Inf	4.45	3	Vertical	205	2.97	-
PK	5.4144G	59.73	74.00	-14.27	4.34	3	Vertical	205	2.97	-
PK	5.4692G	67.00	68.20	-1.20	4.41	3	Vertical	205	2.97	-
PK	5.4968G	109.72	Inf	-Inf	4.45	3	Vertical	205	2.97	-

802.11ac VHT20_Nss1,(MCS0)_3TX

21/12/2018

5500MHz_TX

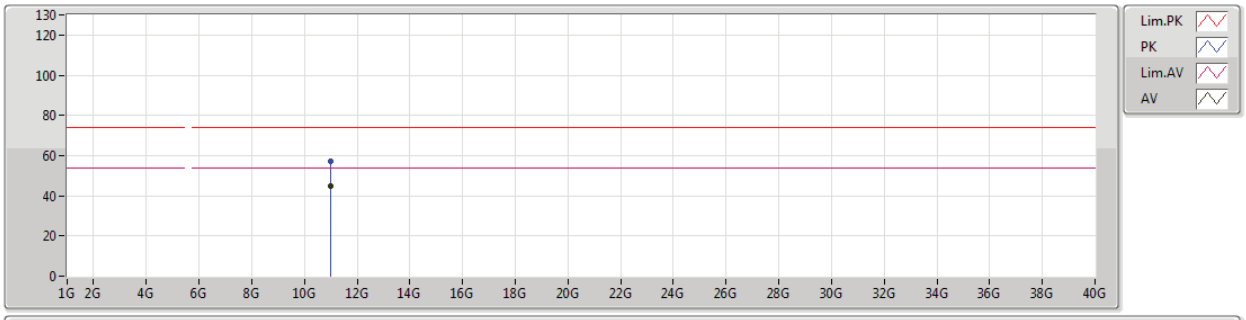


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4224G	53.36	54.00	-0.64	4.35	3	Horizontal	219	1.01	-
AV	5.4676G	49.86	Inf	-Inf	4.41	3	Horizontal	219	1.01	-
AV	5.498G	104.27	Inf	-Inf	4.45	3	Horizontal	219	1.01	-
PK	5.418G	62.37	74.00	-11.63	4.34	3	Horizontal	219	1.01	-
PK	5.4676G	67.44	68.20	-0.76	4.41	3	Horizontal	219	1.01	-
PK	5.498G	111.75	Inf	-Inf	4.45	3	Horizontal	219	1.01	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5500MHz_TX

23/12/2018

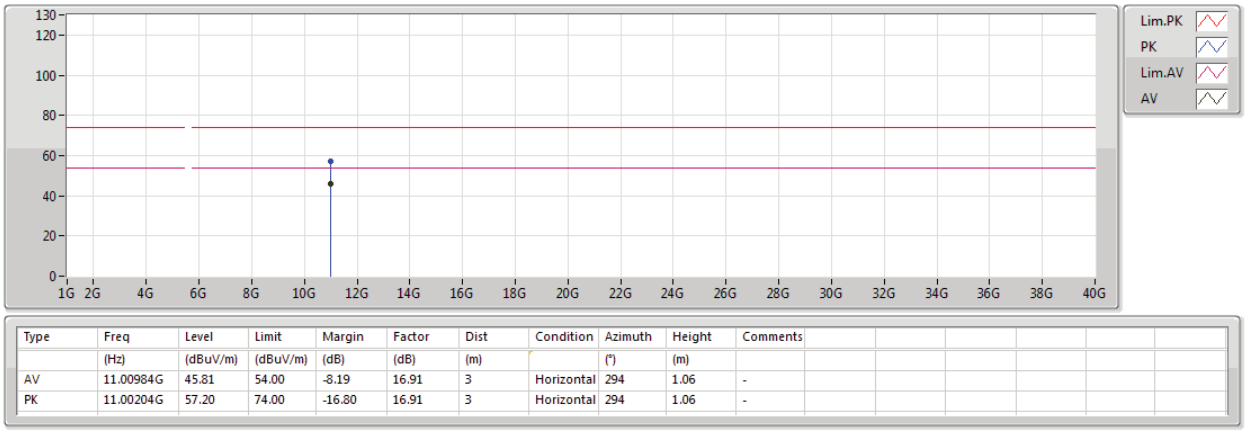


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.99736G	45.00	54.00	-9.00	16.91	3	Vertical	98	1.13	-
PK	11.00192G	56.91	74.00	-17.09	16.91	3	Vertical	98	1.13	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5500MHz_TX

23/12/2018

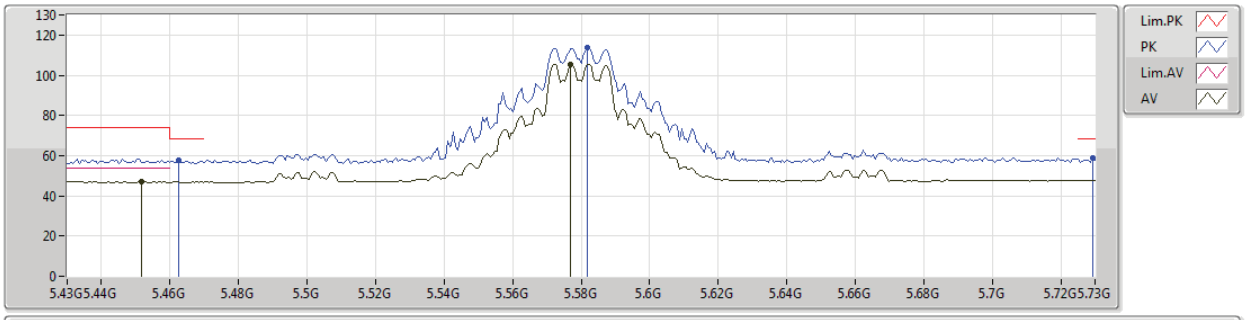


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.00984G	45.81	54.00	-8.19	16.91	3	Horizontal	294	1.06	-
PK	11.00204G	57.20	74.00	-16.80	16.91	3	Horizontal	294	1.06	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5580MHz_TX

21/12/2018

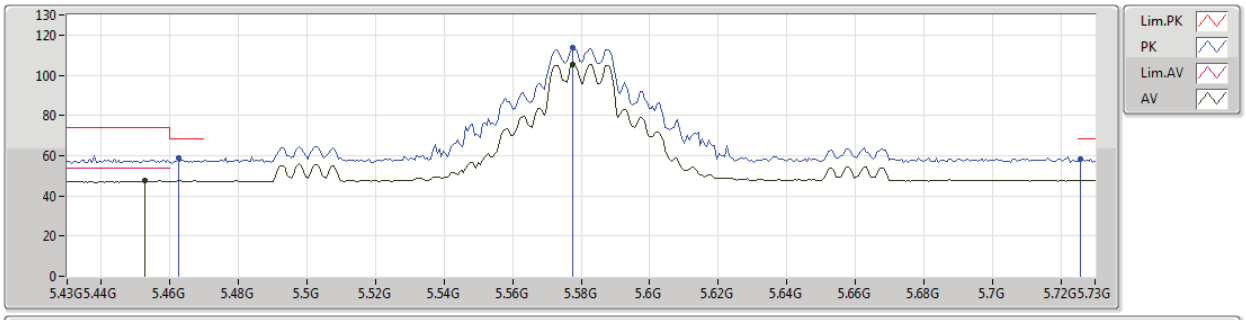


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4516G	47.05	54.00	-6.95	4.39	3	Vertical	77	2.99	-
AV	5.577G	105.58	Inf	-Inf	4.59	3	Vertical	77	2.99	-
PK	5.4624G	57.64	68.20	-10.56	4.40	3	Vertical	77	2.99	-
PK	5.5818G	113.83	Inf	-Inf	4.60	3	Vertical	77	2.99	-
PK	5.7294G	58.56	68.20	-9.64	4.94	3	Vertical	77	2.99	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5580MHz_TX

21/12/2018

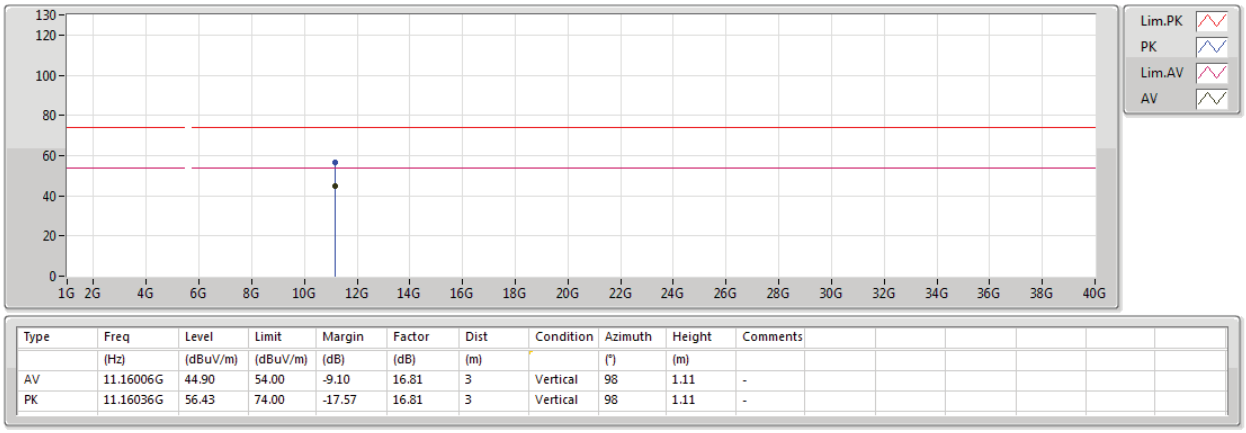


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4528G	47.39	54.00	-6.61	4.39	3	Horizontal	218	1.00	-
AV	5.5776G	105.56	Inf	-Inf	4.59	3	Horizontal	218	1.00	-
PK	5.4624G	58.65	68.20	-9.55	4.40	3	Horizontal	218	1.00	-
PK	5.5776G	113.55	Inf	-Inf	4.59	3	Horizontal	218	1.00	-
PK	5.7258G	58.20	68.20	-10.00	4.93	3	Horizontal	218	1.00	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5580MHz_TX

23/12/2018

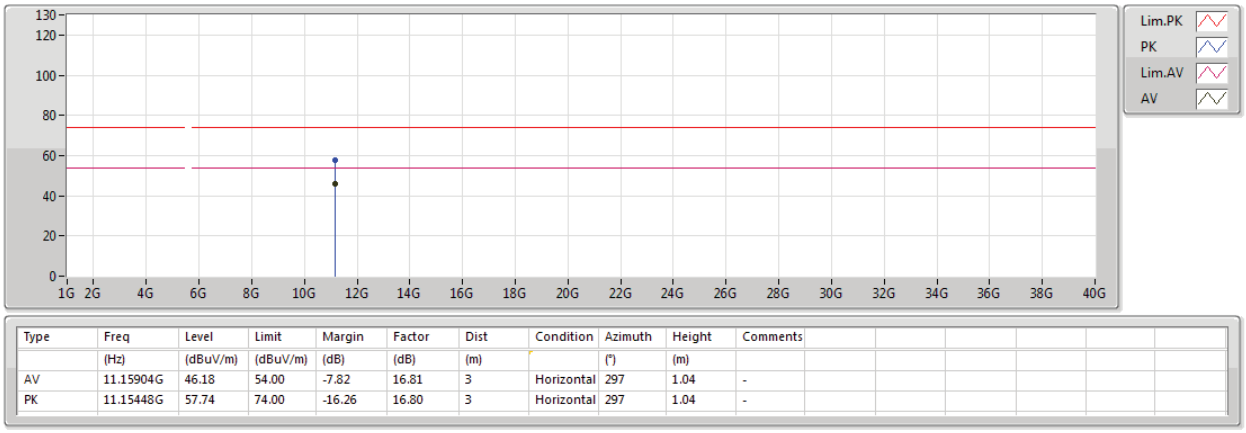


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.16006G	44.90	54.00	-9.10	16.81	3	Vertical	98	1.11	-
PK	11.16036G	56.43	74.00	-17.57	16.81	3	Vertical	98	1.11	-

802.11ac VHT20_Nss1,(MCS0)_3TX

23/12/2018

5580MHz_TX

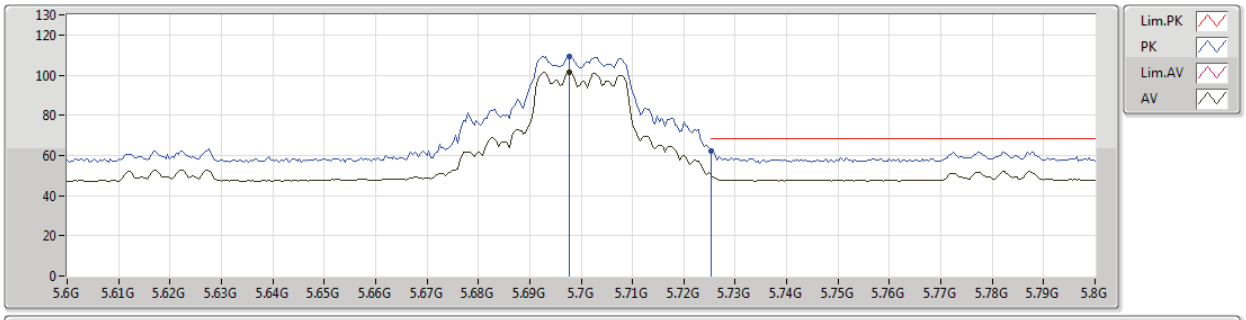


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.15904G	46.18	54.00	-7.82	16.81	3	Horizontal	297	1.04	-
PK	11.15448G	57.74	74.00	-16.26	16.80	3	Horizontal	297	1.04	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5700MHz_TX

21/12/2018

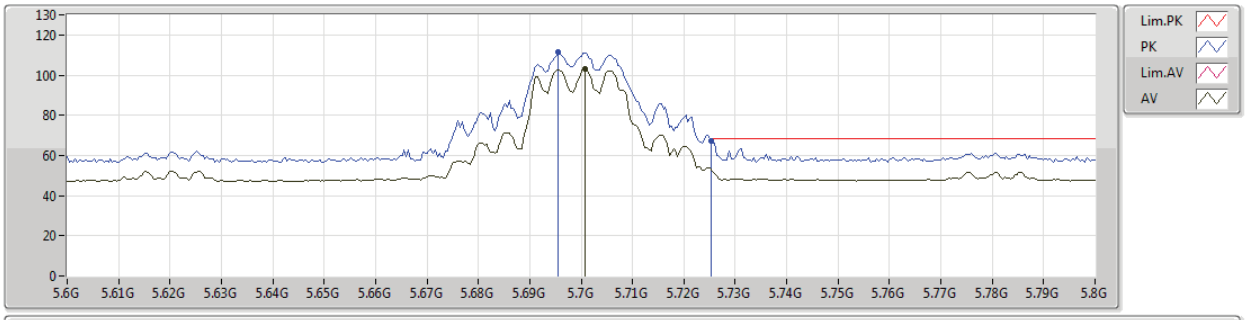


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.6976G	101.28	Inf	-Inf	4.87	3	Vertical	125	2.91	-
PK	5.6976G	109.47	Inf	-Inf	4.87	3	Vertical	125	2.91	-
PK	5.7252G	61.96	68.20	-6.24	4.93	3	Vertical	125	2.91	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5700MHz_TX

21/12/2018

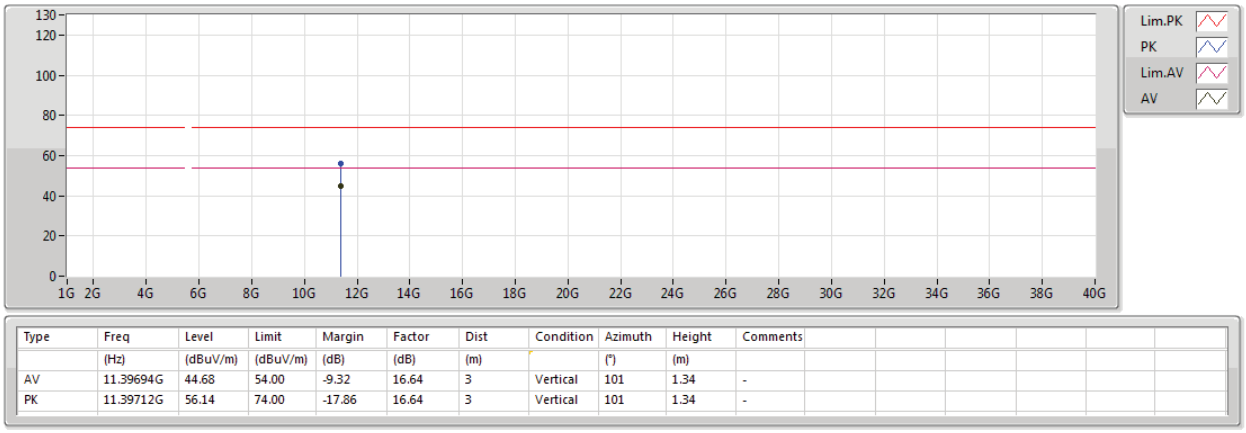


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7008G	103.01	Inf	-Inf	4.87	3	Horizontal	341	2.95	-
PK	5.6956G	111.64	Inf	-Inf	4.85	3	Horizontal	341	2.95	-
PK	5.7252G	67.31	68.20	-0.89	4.93	3	Horizontal	341	2.95	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5700MHz_TX

23/12/2018

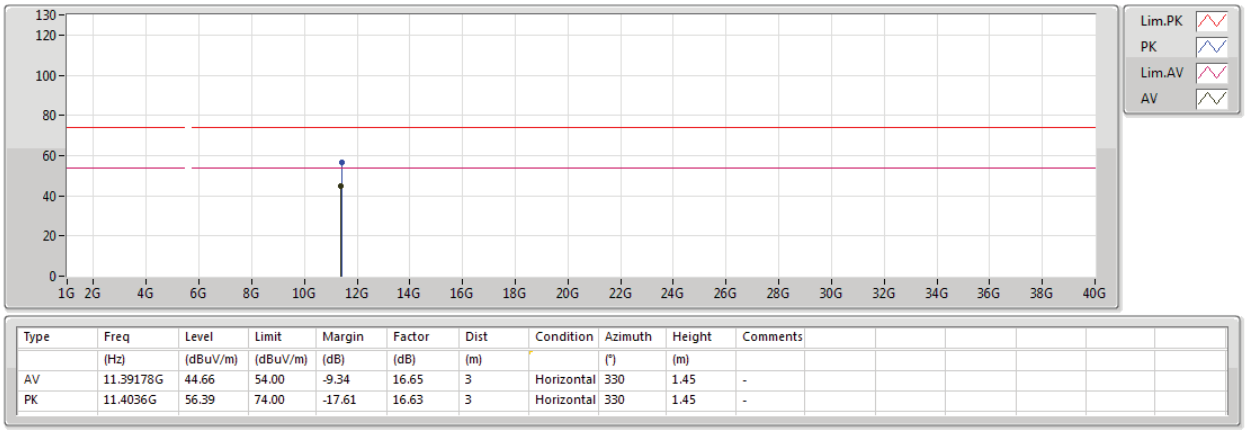


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.39694G	44.68	54.00	-9.32	16.64	3	Vertical	101	1.34	-
PK	11.39712G	56.14	74.00	-17.86	16.64	3	Vertical	101	1.34	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5700MHz_TX

23/12/2018

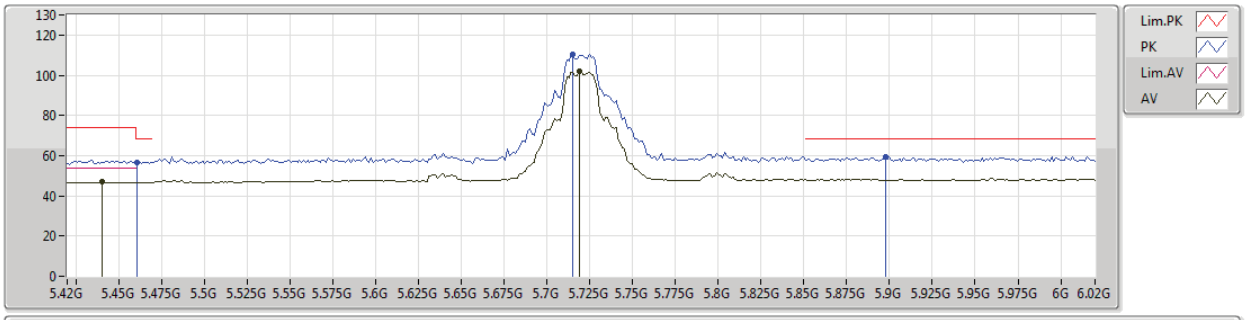


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.39178G	44.66	54.00	-9.34	16.65	3	Horizontal	330	1.45	-
PK	11.4036G	56.39	74.00	-17.61	16.63	3	Horizontal	330	1.45	-

802.11ac VHT20_Nss1,(MCS0)_3TX

21/12/2018

5720MHz Straddle 5.47-5.725GHz_TX

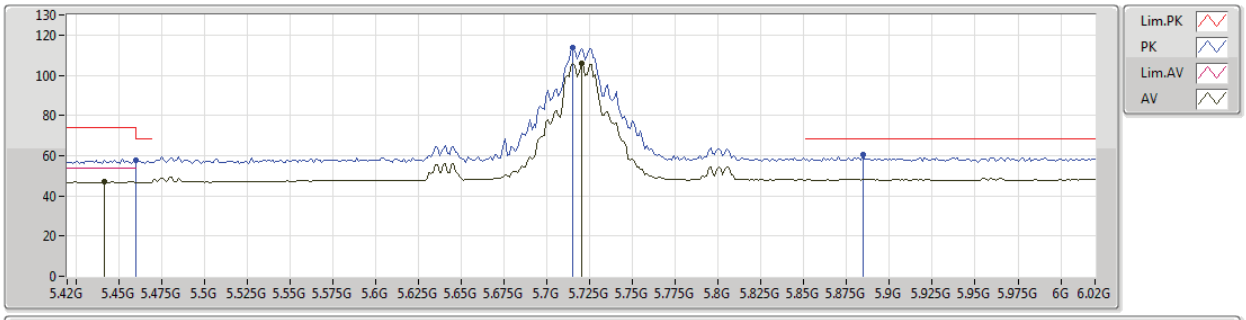


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4404G	46.93	54.00	-7.07	4.37	3	Vertical	272	2.89	-
AV	5.7188G	102.18	Inf	-Inf	4.92	3	Vertical	272	2.89	-
PK	5.4608G	56.87	68.20	-11.33	4.40	3	Vertical	272	2.89	-
PK	5.7152G	110.40	Inf	-Inf	4.91	3	Vertical	272	2.89	-
PK	5.8976G	59.40	68.20	-8.80	5.21	3	Vertical	272	2.89	-

802.11ac VHT20_Nss1,(MCS0)_3TX

21/12/2018

5720MHz Straddle 5.47-5.725GHz_TX

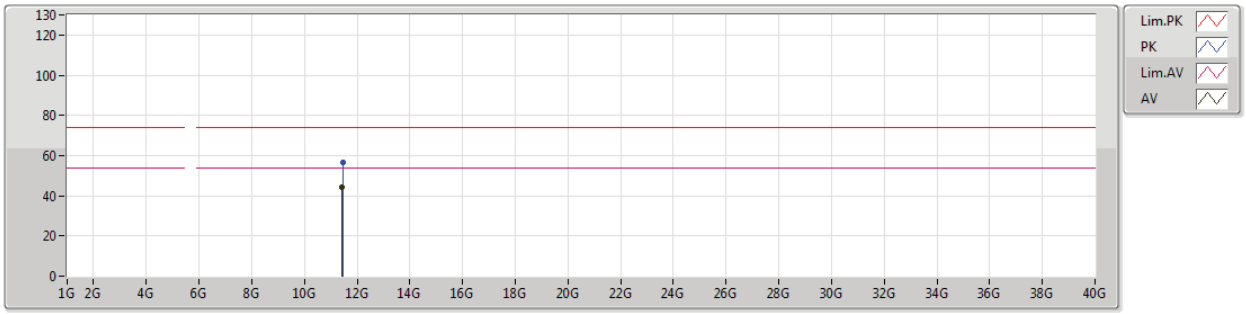


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4416G	46.92	54.00	-7.08	4.37	3	Horizontal	339	1.00	-
AV	5.72G	106.03	Inf	-Inf	4.93	3	Horizontal	339	1.00	-
PK	5.46G	57.92	68.20	-10.28	4.40	3	Horizontal	339	1.00	-
PK	5.7152G	113.50	Inf	-Inf	4.91	3	Horizontal	339	1.00	-
PK	5.8844G	60.32	68.20	-7.88	5.19	3	Horizontal	339	1.00	-

802.11ac VHT20_Nss1,(MCS0)_3TX

23/12/2018

5720MHz Straddle 5.47-5.725GHz_TX

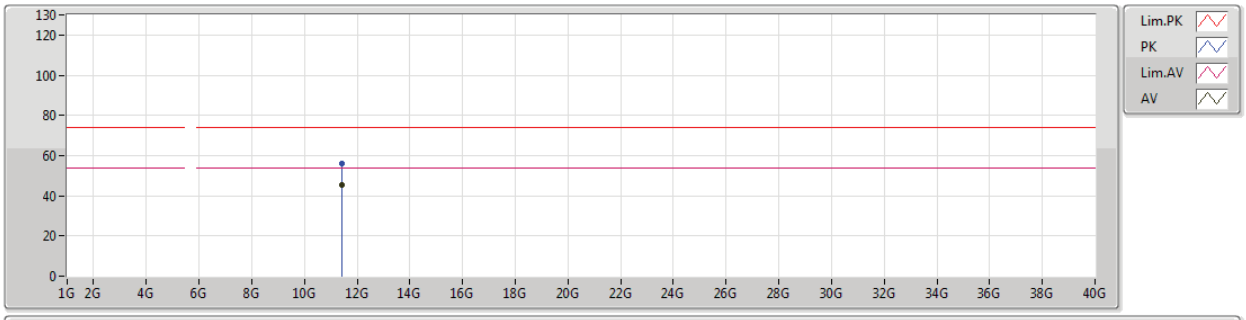


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.43616G	44.43	54.00	-9.57	16.61	3	Vertical	1	1.50	-
PK	11.44822G	56.33	74.00	-17.67	16.60	3	Vertical	1	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5720MHz Straddle 5.47-5.725GHz_TX

23/12/2018

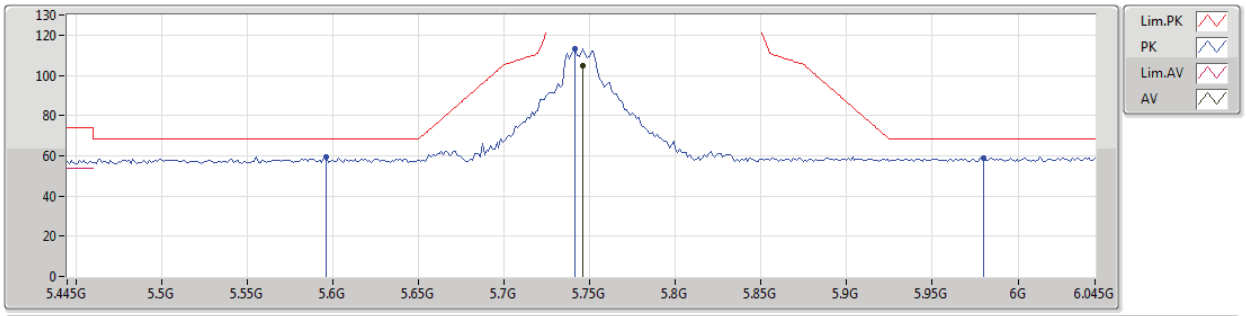


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.4271G	45.50	54.00	-8.50	16.62	3	Horizontal	154	1.61	-
PK	11.43814G	56.03	74.00	-17.97	16.61	3	Horizontal	154	1.61	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

21/12/2018

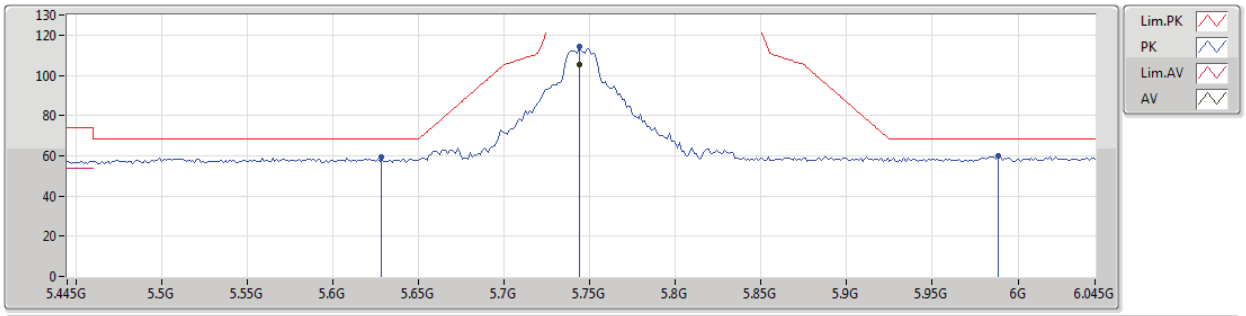


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7462G	104.99	Inf	-Inf	4.98	3	Vertical	191	2.89	-
PK	5.5962G	59.38	68.20	-8.82	4.62	3	Vertical	191	2.89	-
PK	5.7414G	113.44	Inf	-Inf	4.97	3	Vertical	191	2.89	-
PK	5.9802G	59.05	68.20	-9.15	5.28	3	Vertical	191	2.89	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

21/12/2018

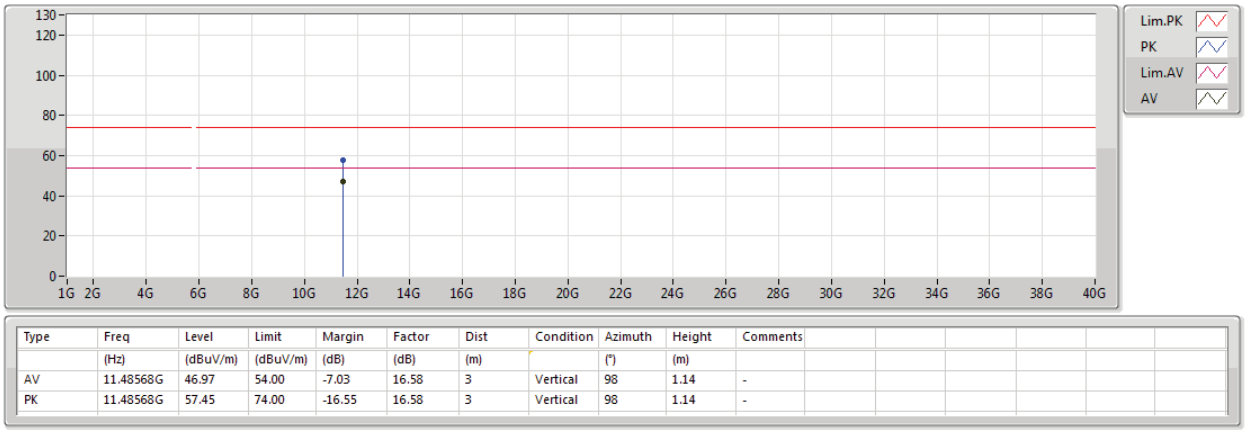


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7438G	105.56	Inf	-Inf	4.98	3	Horizontal	41	2.68	-
PK	5.6286G	59.26	68.20	-8.94	4.70	3	Horizontal	41	2.68	-
PK	5.7438G	114.10	Inf	-Inf	4.98	3	Horizontal	41	2.68	-
PK	5.9886G	60.03	68.20	-8.17	5.28	3	Horizontal	41	2.68	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

23/12/2018

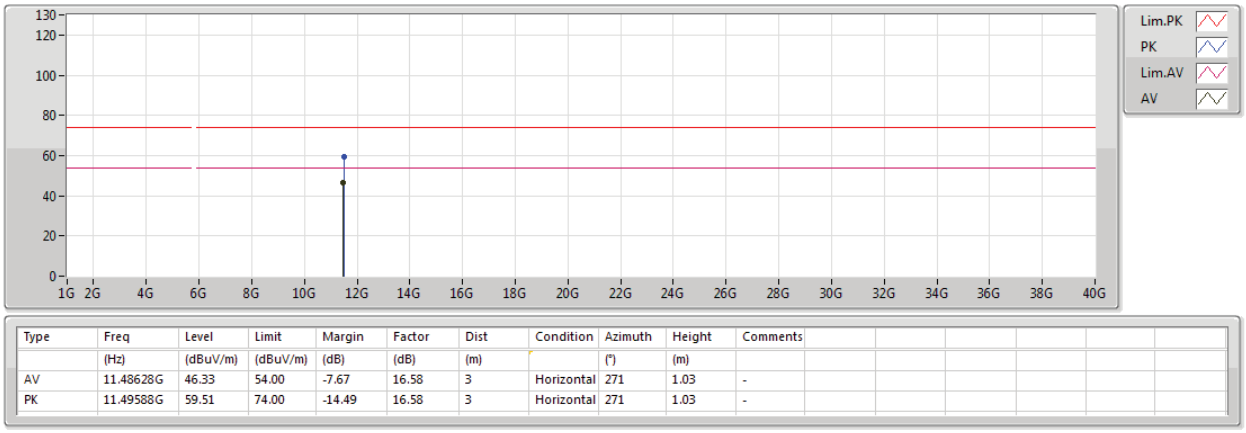


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.48568G	46.97	54.00	-7.03	16.58	3	Vertical	98	1.14	-
PK	11.48568G	57.45	74.00	-16.55	16.58	3	Vertical	98	1.14	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

23/12/2018

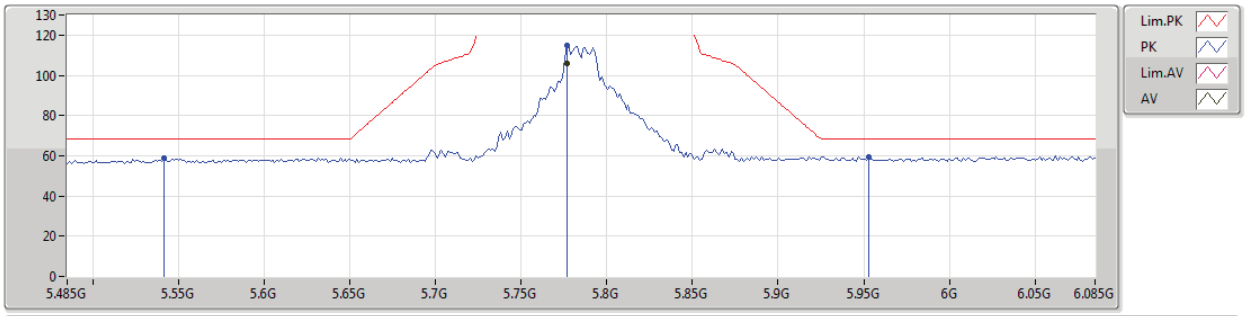


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.48628G	46.33	54.00	-7.67	16.58	3	Horizontal	271	1.03	-
PK	11.49588G	59.51	74.00	-14.49	16.58	3	Horizontal	271	1.03	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

21/12/2018

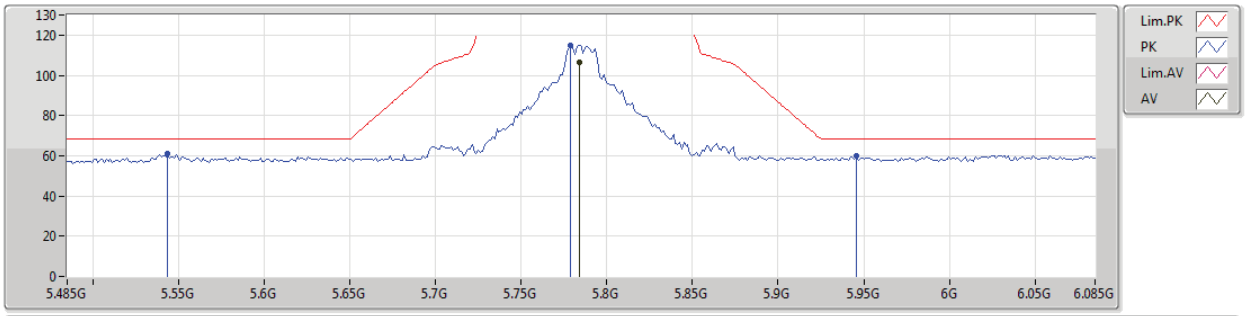


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7766G	105.85	Inf	-Inf	5.06	3	Vertical	72	2.96	-
PK	5.5414G	58.92	68.20	-9.28	4.53	3	Vertical	72	2.96	-
PK	5.7766G	114.61	Inf	-Inf	5.06	3	Vertical	72	2.96	-
PK	5.953G	59.42	68.20	-8.78	5.25	3	Vertical	72	2.96	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

21/12/2018

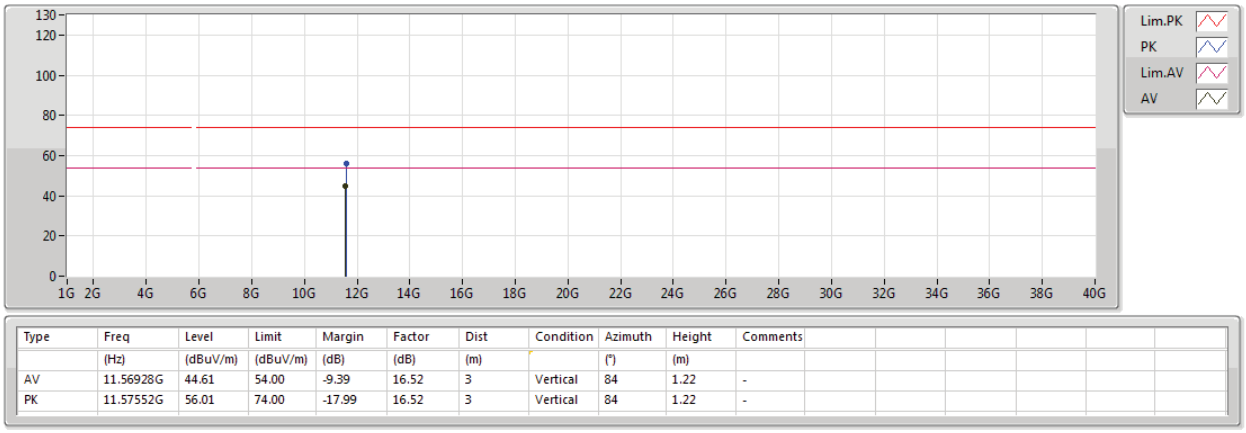


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7838G	106.64	Inf	-Inf	5.08	3	Horizontal	72	1.00	-
PK	5.5438G	60.84	68.20	-7.36	4.53	3	Horizontal	72	1.00	-
PK	5.779G	115.12	Inf	-Inf	5.06	3	Horizontal	72	1.00	-
PK	5.9458G	59.76	68.20	-8.44	5.25	3	Horizontal	72	1.00	-

802.11ac VHT20_Nss1,(MCS0)_3TX

23/12/2018

5785MHz_TX

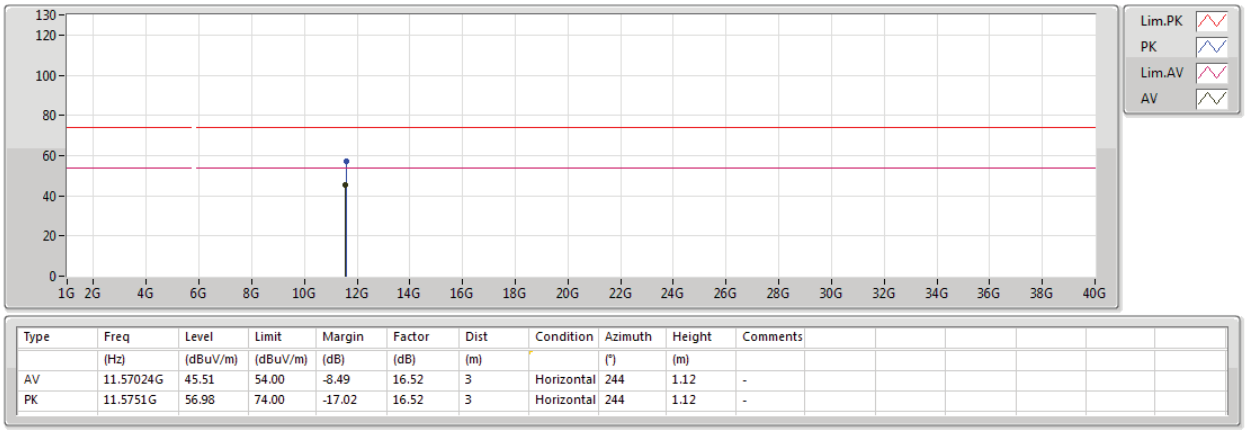


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.56928G	44.61	54.00	-9.39	16.52	3	Vertical	84	1.22	-
PK	11.57552G	56.01	74.00	-17.99	16.52	3	Vertical	84	1.22	-

802.11ac VHT20_Nss1,(MCS0)_3TX

23/12/2018

5785MHz_TX

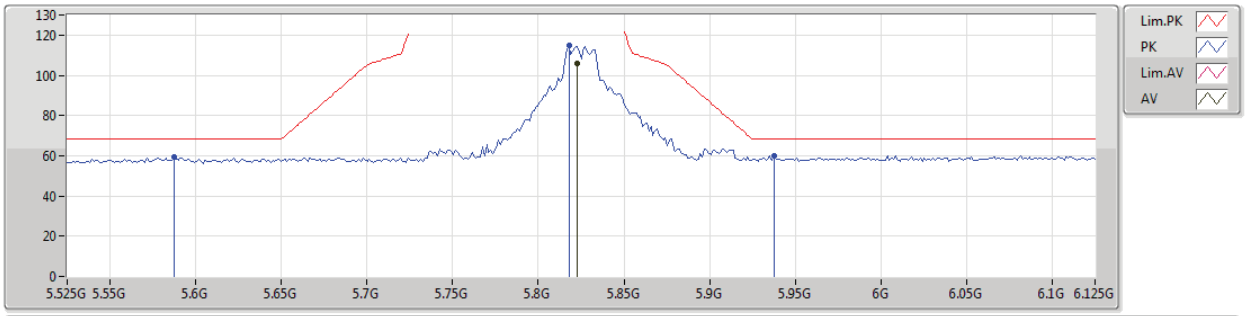


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.57024G	45.51	54.00	-8.49	16.52	3	Horizontal	244	1.12	-
PK	11.5751G	56.98	74.00	-17.02	16.52	3	Horizontal	244	1.12	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

21/12/2018

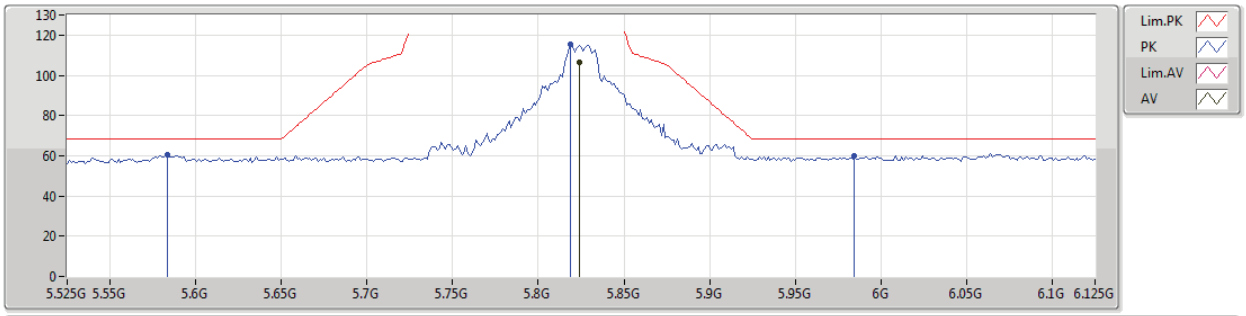


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8226G	105.81	Inf	-Inf	5.14	3	Vertical	73	2.93	-
PK	5.5874G	59.34	68.20	-8.86	4.60	3	Vertical	73	2.93	-
PK	5.8178G	114.62	Inf	-Inf	5.13	3	Vertical	73	2.93	-
PK	5.9378G	59.82	68.20	-8.38	5.24	3	Vertical	73	2.93	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

21/12/2018

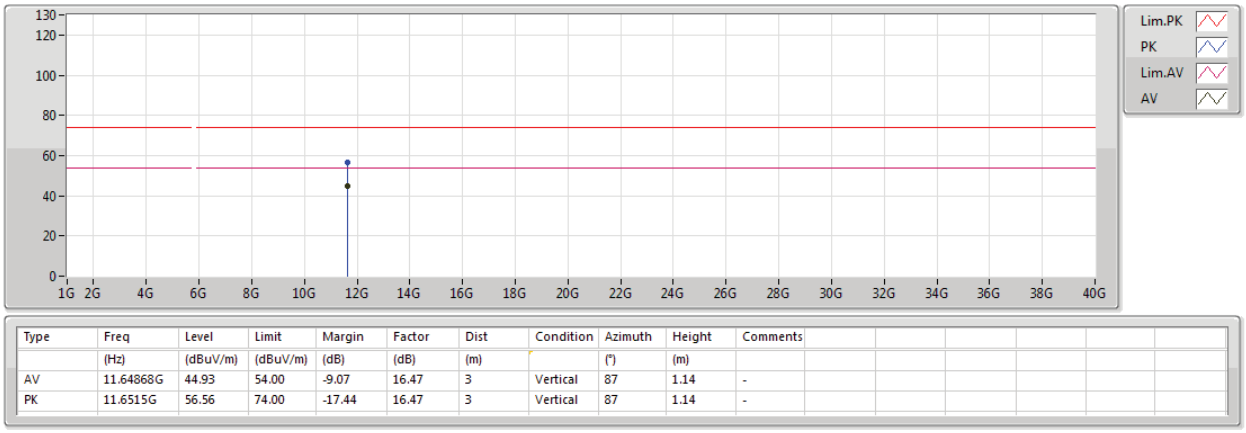


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8238G	106.66	Inf	-Inf	5.14	3	Horizontal	76	1.00	-
PK	5.5838G	60.39	68.20	-7.81	4.60	3	Horizontal	76	1.00	-
PK	5.819G	115.38	Inf	-Inf	5.14	3	Horizontal	76	1.00	-
PK	5.9846G	60.17	68.20	-8.03	5.28	3	Horizontal	76	1.00	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

23/12/2018

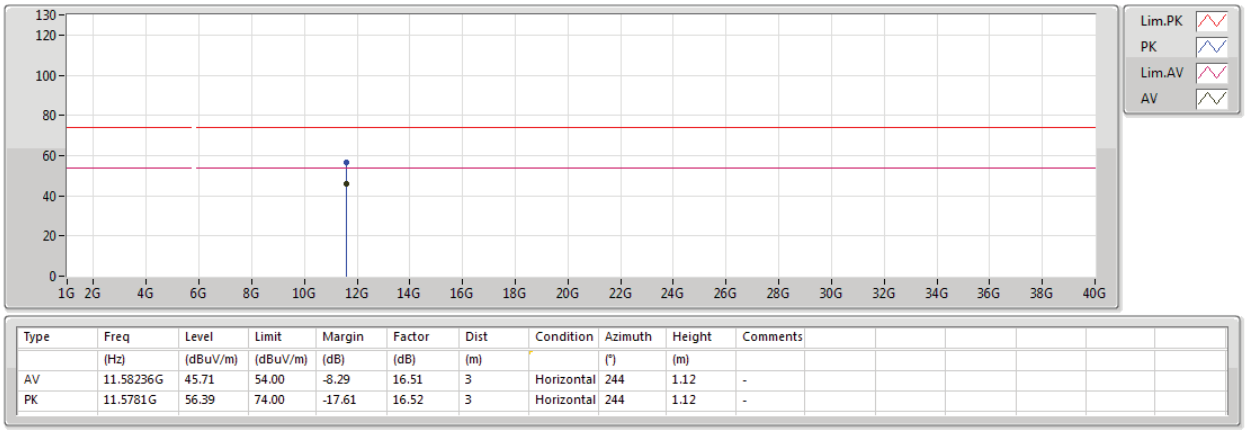


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.64868G	44.93	54.00	-9.07	16.47	3	Vertical	87	1.14	-
PK	11.6515G	56.56	74.00	-17.44	16.47	3	Vertical	87	1.14	-

802.11ac VHT20_Nss1,(MCS0)_3TX

23/12/2018

5825MHz_TX

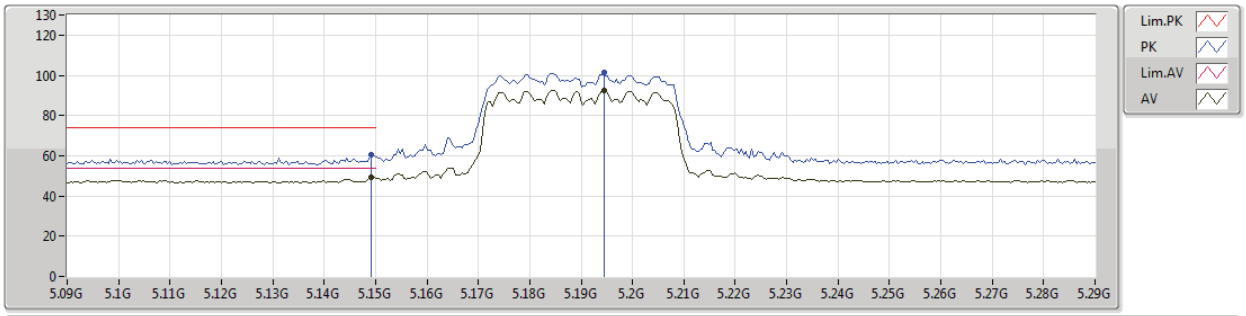


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.58236G	45.71	54.00	-8.29	16.51	3	Horizontal	244	1.12	-
PK	11.5781G	56.39	74.00	-17.61	16.52	3	Horizontal	244	1.12	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

21/12/2018

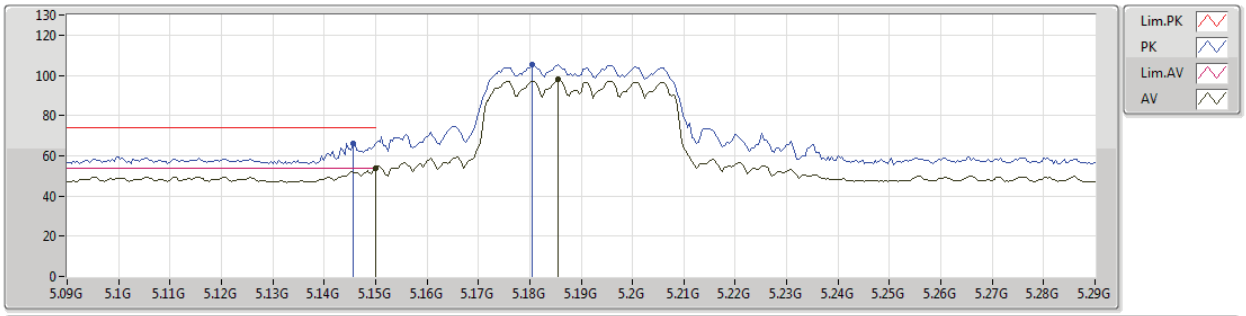


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1492G	49.22	54.00	-4.78	4.01	3	Vertical	192	2.99	-
AV	5.1944G	92.65	Inf	-Inf	4.08	3	Vertical	192	2.99	-
PK	5.1492G	60.34	74.00	-13.66	4.01	3	Vertical	192	2.99	-
PK	5.1944G	101.50	Inf	-Inf	4.08	3	Vertical	192	2.99	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

21/12/2018

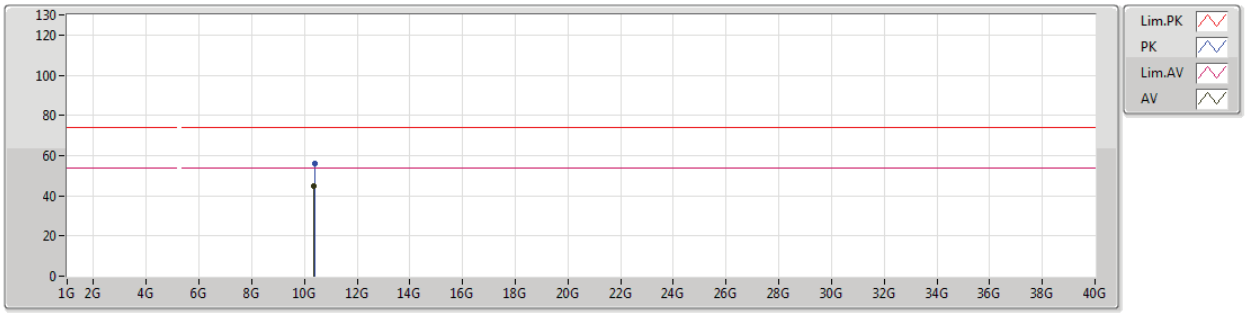


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	53.80	54.00	-0.20	4.01	3	Horizontal	257	1.00	-
AV	5.1856G	97.80	Inf	-Inf	4.06	3	Horizontal	257	1.00	-
PK	5.1456G	66.23	74.00	-7.77	4.01	3	Horizontal	257	1.00	-
PK	5.1804G	105.42	Inf	-Inf	4.06	3	Horizontal	257	1.00	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

23/12/2018

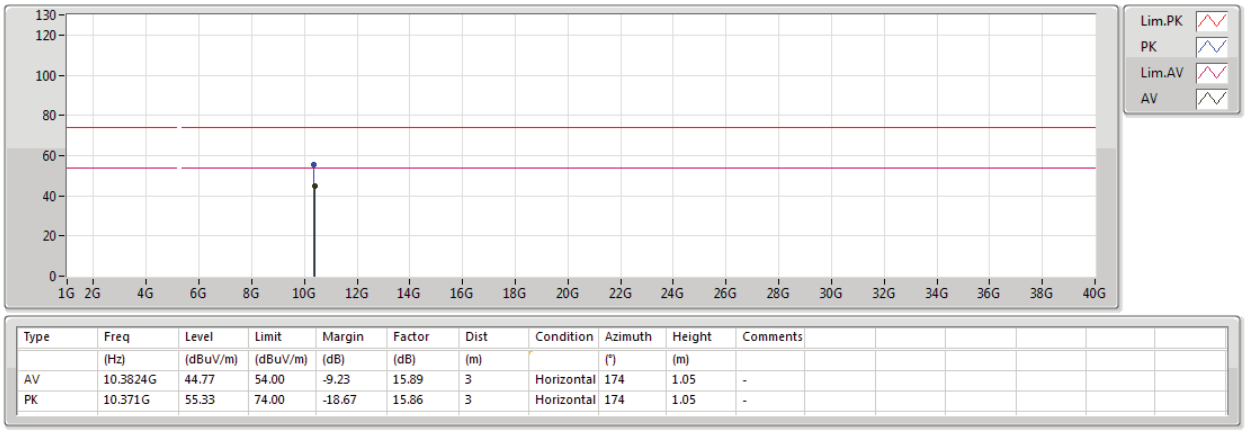


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.36548G	44.95	54.00	-9.05	15.86	3	Vertical	89	1.07	-
PK	10.38294G	56.02	74.00	-17.98	15.89	3	Vertical	89	1.07	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

23/12/2018

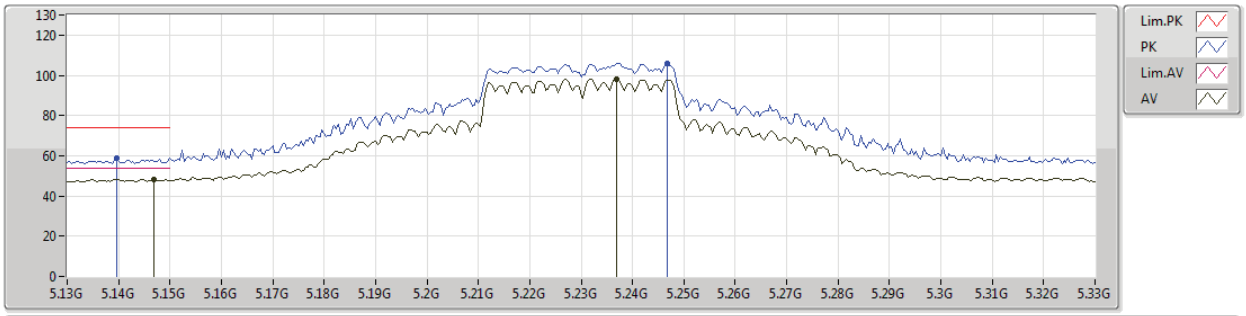


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.3824G	44.77	54.00	-9.23	15.89	3	Horizontal	174	1.05	-
PK	10.371G	55.33	74.00	-18.67	15.86	3	Horizontal	174	1.05	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

21/12/2018

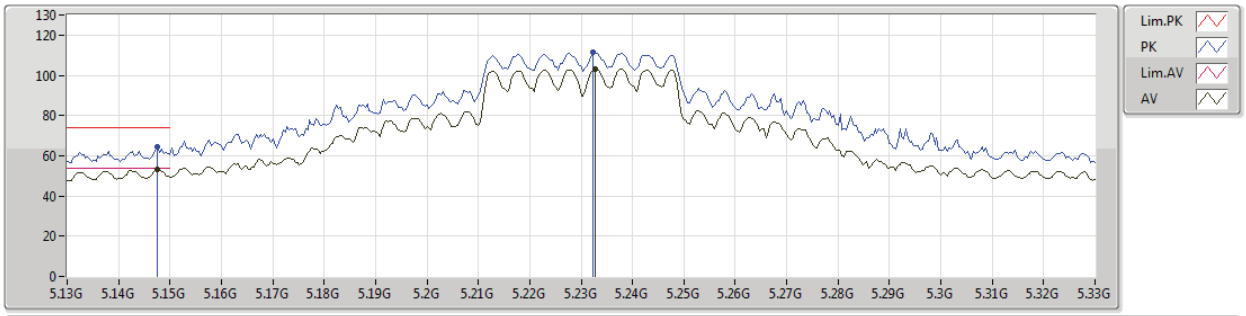


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1468G	48.32	54.00	-5.68	4.01	3	Vertical	211	2.91	-
AV	5.2368G	98.20	Inf	-Inf	4.12	3	Vertical	211	2.91	-
PK	5.1396G	58.99	74.00	-15.01	3.99	3	Vertical	211	2.91	-
PK	5.2468G	106.09	Inf	-Inf	4.14	3	Vertical	211	2.91	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

21/12/2018

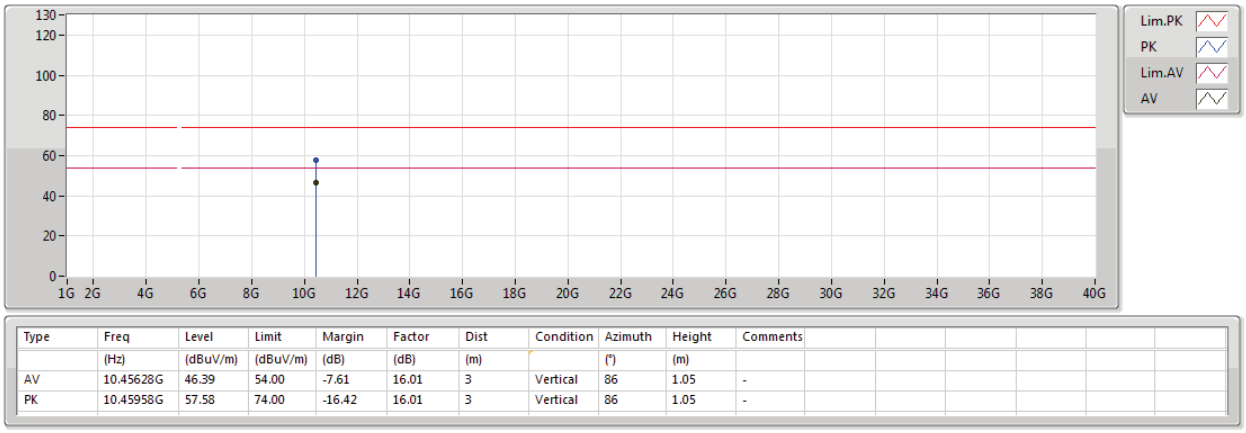


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1476G	53.01	54.00	-0.99	4.01	3	Horizontal	221	1.01	-
AV	5.2328G	103.04	Inf	-Inf	4.12	3	Horizontal	221	1.01	-
PK	5.1476G	64.22	74.00	-9.78	4.01	3	Horizontal	221	1.01	-
PK	5.2324G	111.34	Inf	-Inf	4.12	3	Horizontal	221	1.01	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

23/12/2018

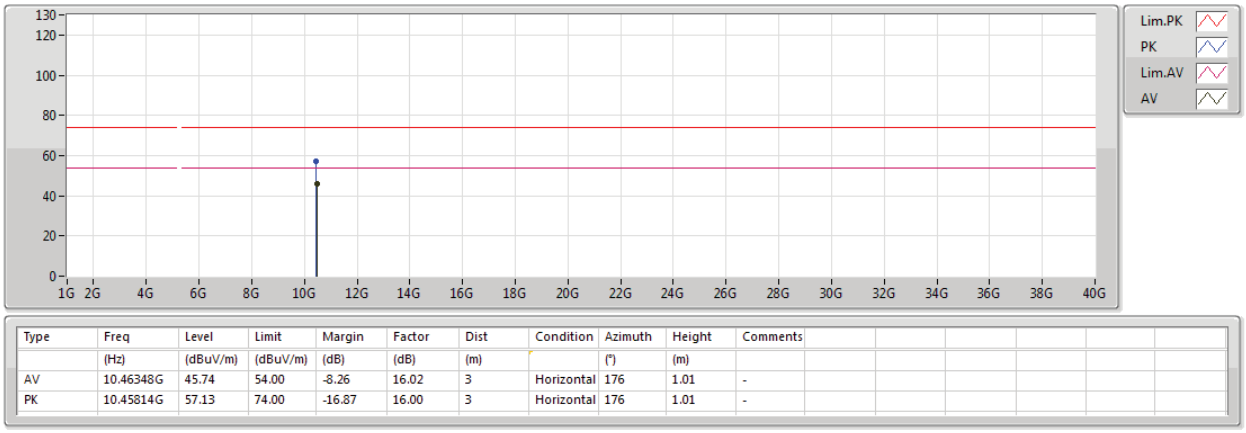


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.45628G	46.39	54.00	-7.61	16.01	3	Vertical	86	1.05	-
PK	10.45958G	57.58	74.00	-16.42	16.01	3	Vertical	86	1.05	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

23/12/2018

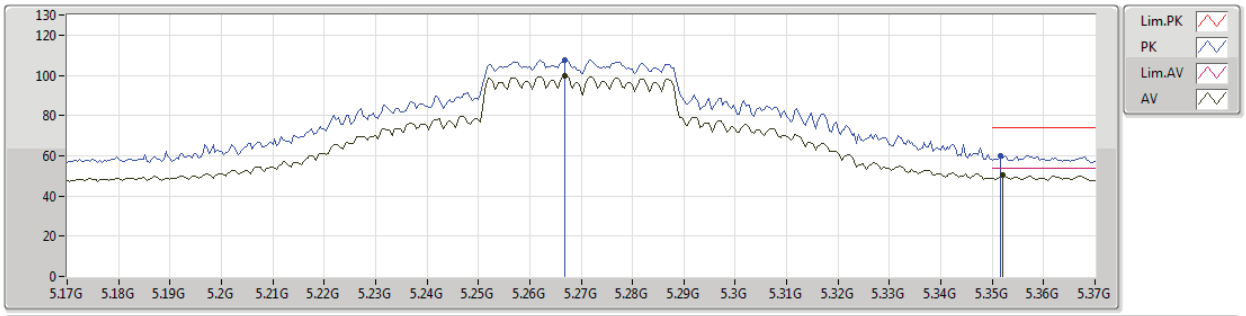


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.46348G	45.74	54.00	-8.26	16.02	3	Horizontal	176	1.01	-
PK	10.45814G	57.13	74.00	-16.87	16.00	3	Horizontal	176	1.01	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5270MHz_TX

21/12/2018

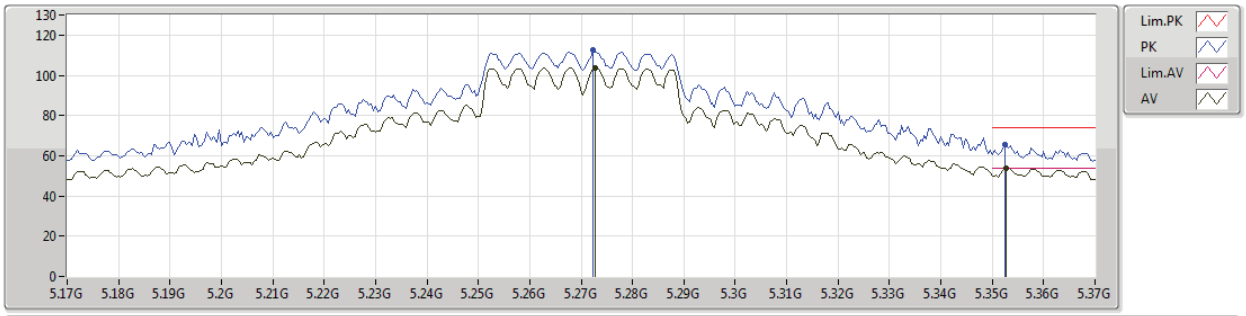


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.2668G	99.59	Inf	-Inf	4.17	3	Vertical	210	2.89	-
AV	5.352G	50.32	54.00	-3.68	4.26	3	Vertical	210	2.89	-
PK	5.2668G	107.81	Inf	-Inf	4.17	3	Vertical	210	2.89	-
PK	5.3516G	60.11	74.00	-13.89	4.26	3	Vertical	210	2.89	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5270MHz_TX

21/12/2018

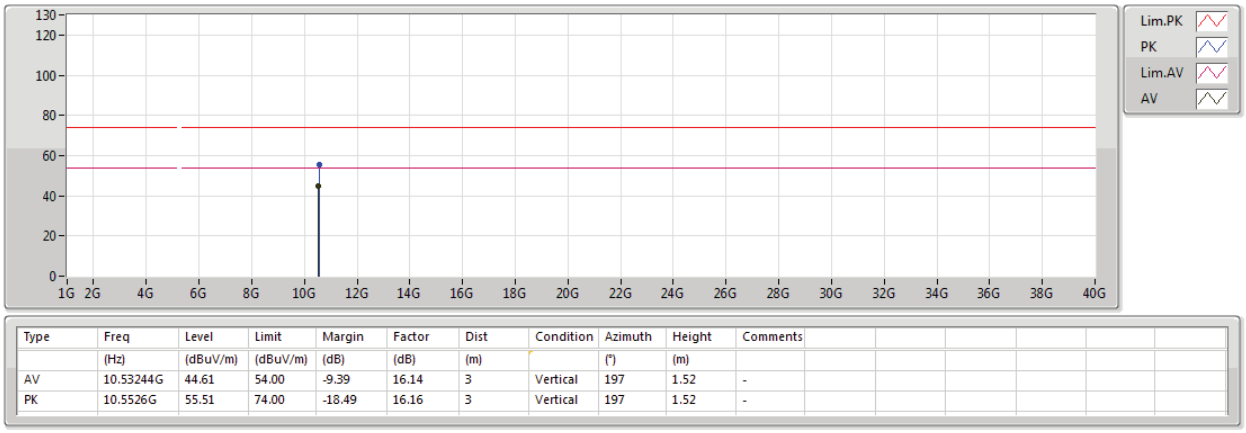


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.2728G	103.68	Inf	-Inf	4.17	3	Horizontal	220	1.00	-
AV	5.3528G	53.96	54.00	-0.04	4.26	3	Horizontal	220	1.00	-
PK	5.2724G	112.45	Inf	-Inf	4.17	3	Horizontal	220	1.00	-
PK	5.3524G	65.65	74.00	-8.35	4.26	3	Horizontal	220	1.00	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5270MHz_TX

23/12/2018

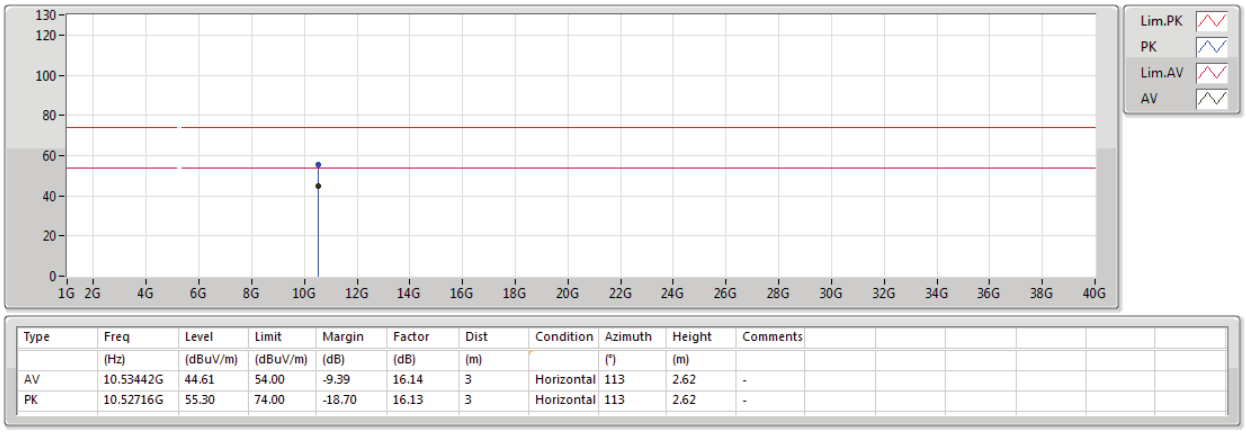


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.53244G	44.61	54.00	-9.39	16.14	3	Vertical	197	1.52	-
PK	10.5526G	55.51	74.00	-18.49	16.16	3	Vertical	197	1.52	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5270MHz_TX

23/12/2018

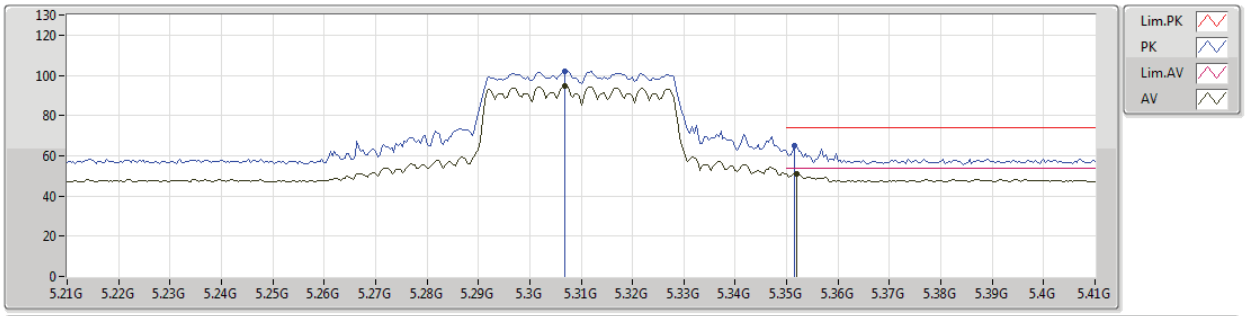


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.53442G	44.61	54.00	-9.39	16.14	3	Horizontal	113	2.62	-
PK	10.52716G	55.30	74.00	-18.70	16.13	3	Horizontal	113	2.62	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5310MHz_TX

21/12/2018

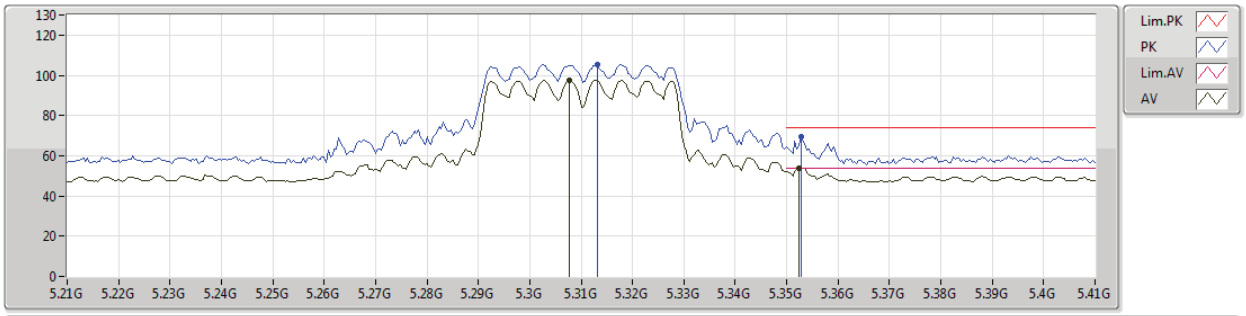


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3068G	94.57	Inf	-Inf	4.21	3	Vertical	210	2.99	-
AV	5.352G	51.25	54.00	-2.75	4.26	3	Vertical	210	2.99	-
PK	5.3068G	102.01	Inf	-Inf	4.21	3	Vertical	210	2.99	-
PK	5.3516G	65.19	74.00	-8.81	4.26	3	Vertical	210	2.99	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5310MHz_TX

21/12/2018

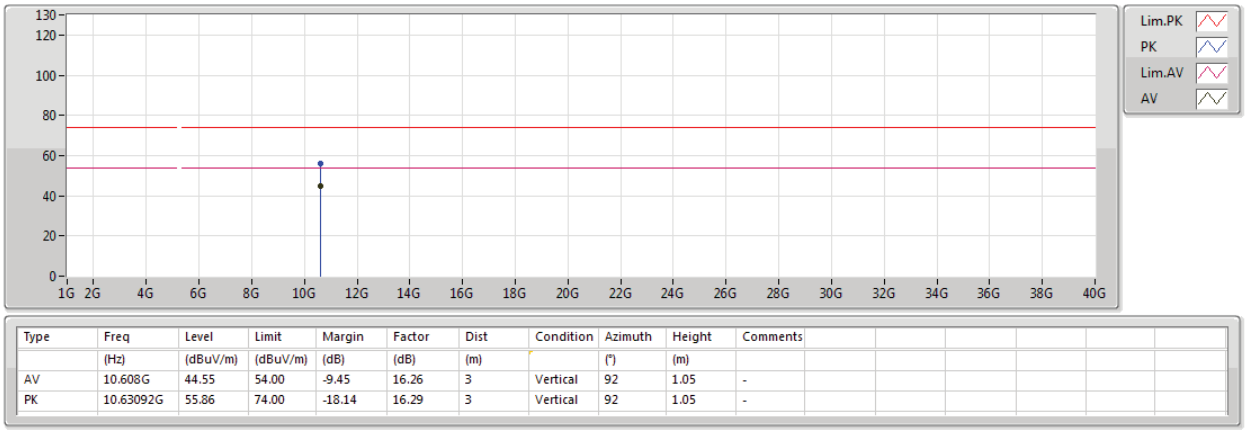


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3076G	97.36	Inf	-Inf	4.21	3	Horizontal	222	1.02	-
AV	5.3524G	53.88	54.00	-0.12	4.26	3	Horizontal	222	1.02	-
PK	5.3132G	105.41	Inf	-Inf	4.22	3	Horizontal	222	1.02	-
PK	5.3528G	69.68	74.00	-4.32	4.26	3	Horizontal	222	1.02	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5310MHz_TX

23/12/2018

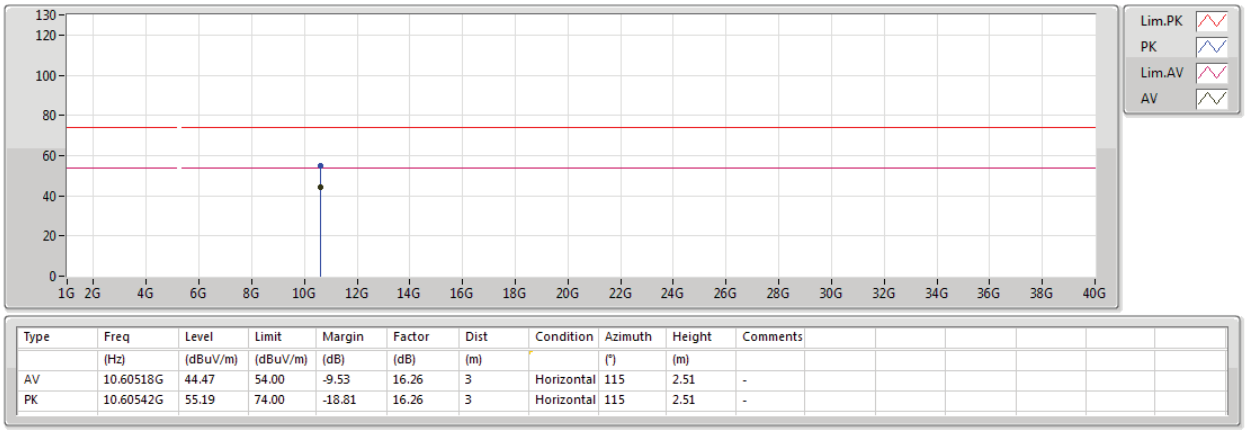


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.608G	44.55	54.00	-9.45	16.26	3	Vertical	92	1.05	-
PK	10.63092G	55.86	74.00	-18.14	16.29	3	Vertical	92	1.05	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5310MHz_TX

23/12/2018

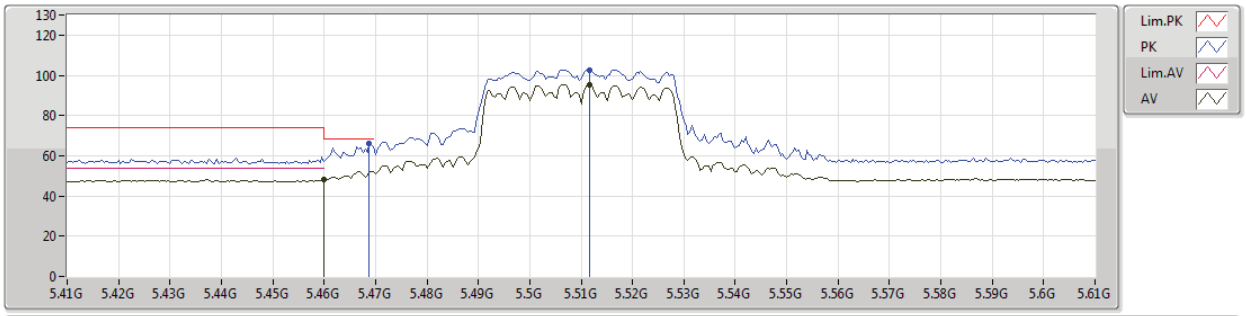


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.60518G	44.47	54.00	-9.53	16.26	3	Horizontal	115	2.51	-
PK	10.60542G	55.19	74.00	-18.81	16.26	3	Horizontal	115	2.51	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5510MHz_TX

21/12/2018

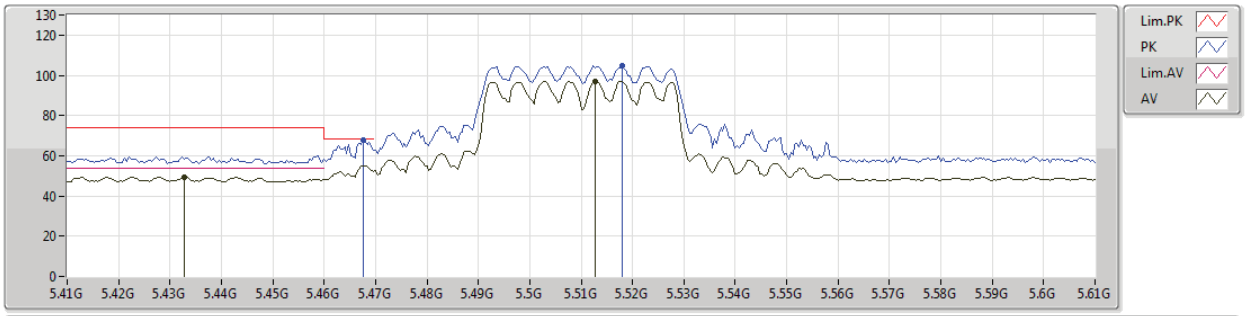


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.46G	48.00	54.00	-6.00	4.40	3	Vertical	206	2.96	-
AV	5.5116G	95.41	Inf	-Inf	4.48	3	Vertical	206	2.96	-
PK	5.4688G	66.13	68.20	-2.07	4.41	3	Vertical	206	2.96	-
PK	5.5116G	102.78	Inf	-Inf	4.48	3	Vertical	206	2.96	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5510MHz_TX

21/12/2018

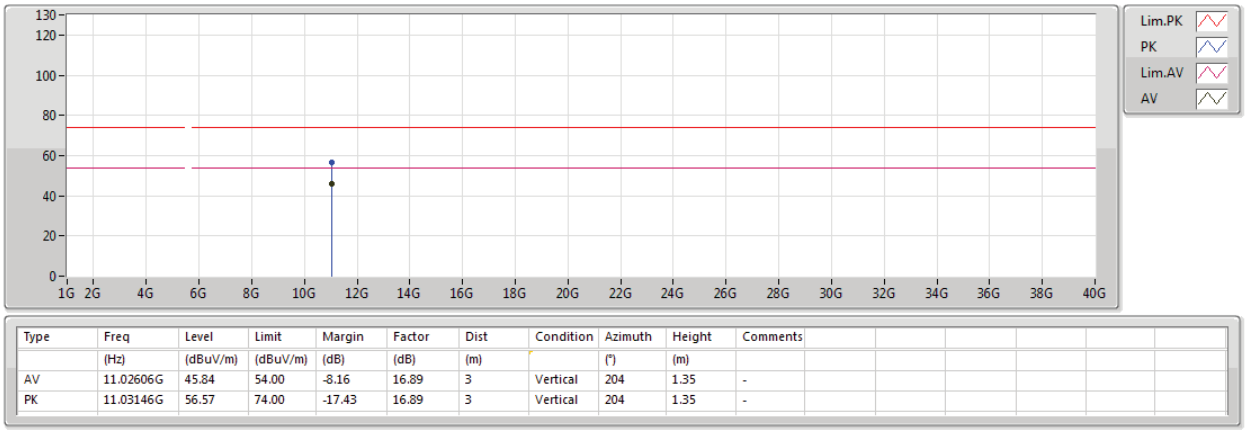


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4328G	49.43	54.00	-4.57	4.36	3	Horizontal	219	1.01	-
AV	5.5128G	97.02	Inf	-Inf	4.48	3	Horizontal	219	1.01	-
PK	5.4676G	67.91	68.20	-0.29	4.41	3	Horizontal	219	1.01	-
PK	5.518G	104.64	Inf	-Inf	4.48	3	Horizontal	219	1.01	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5510MHz_TX

23/12/2018

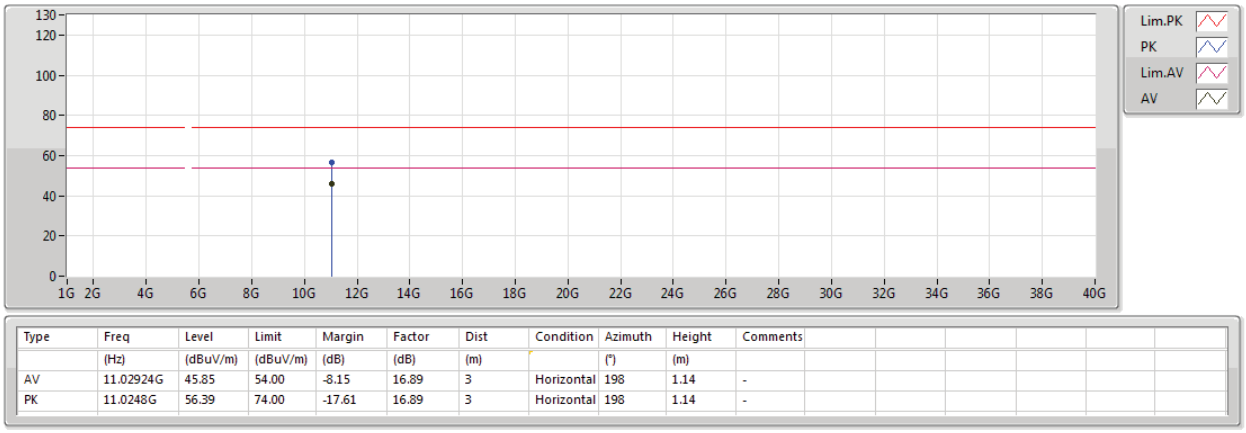


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.02606G	45.84	54.00	-8.16	16.89	3	Vertical	204	1.35	-
PK	11.03146G	56.57	74.00	-17.43	16.89	3	Vertical	204	1.35	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5510MHz_TX

23/12/2018

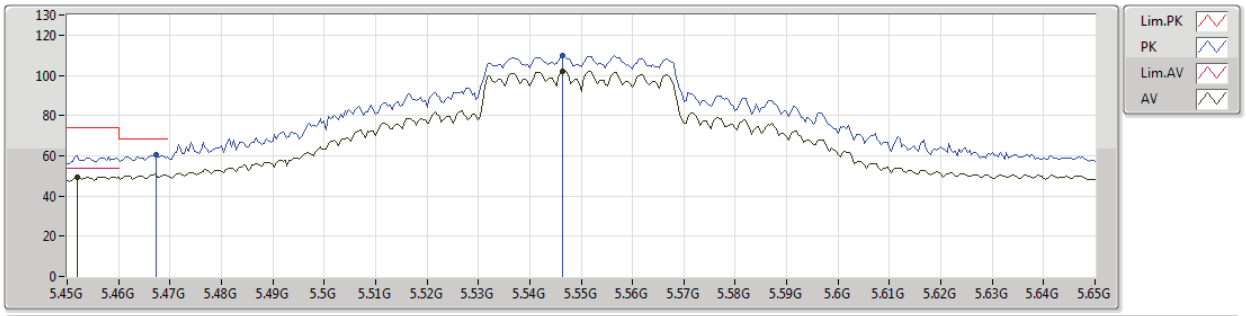


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.02924G	45.85	54.00	-8.15	16.89	3	Horizontal	198	1.14	-
PK	11.0248G	56.39	74.00	-17.61	16.89	3	Horizontal	198	1.14	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5550MHz_TX

21/12/2018

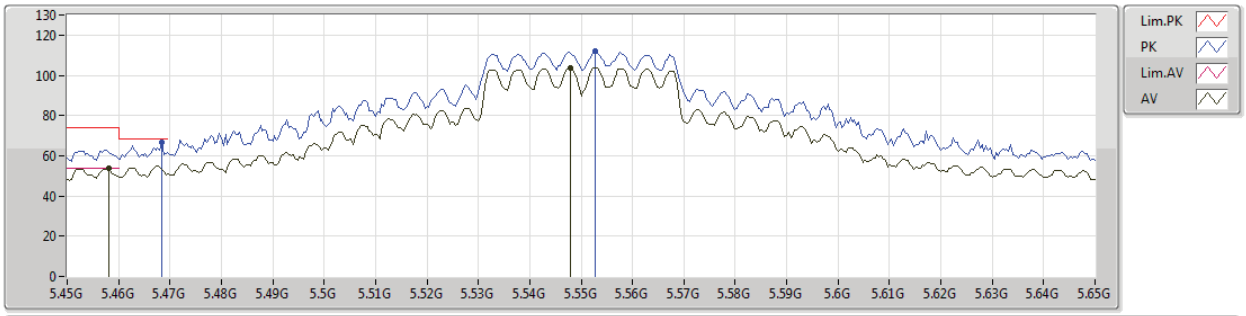


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.452G	49.46	54.00	-4.54	4.39	3	Vertical	201	2.93	-
AV	5.5464G	102.01	Inf	-Inf	4.53	3	Vertical	201	2.93	-
PK	5.4672G	60.69	68.20	-7.51	4.41	3	Vertical	201	2.93	-
PK	5.5464G	109.93	Inf	-Inf	4.53	3	Vertical	201	2.93	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5550MHz_TX

21/12/2018

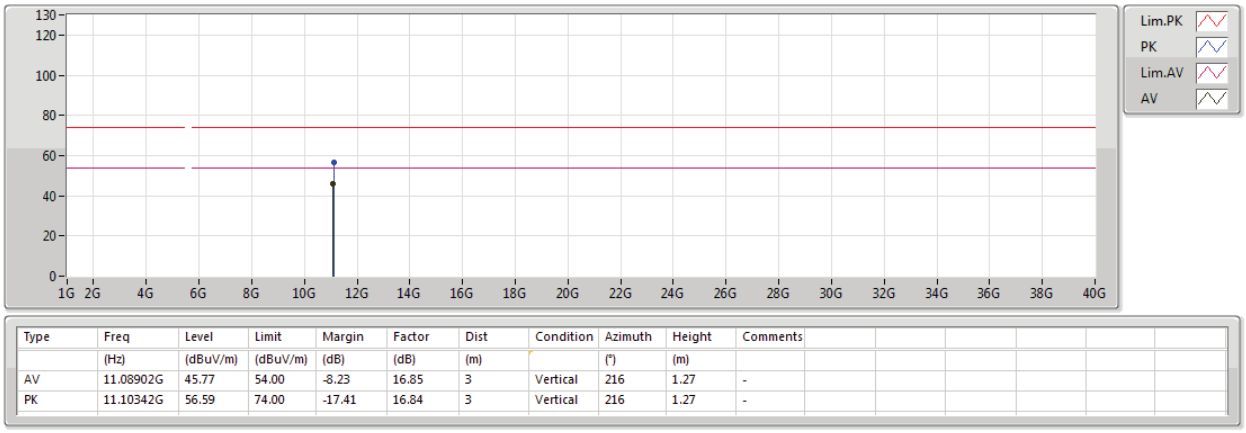


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.458G	53.79	54.00	-0.21	4.39	3	Horizontal	219	1.00	-
AV	5.548G	103.63	Inf	-Inf	4.54	3	Horizontal	219	1.00	-
PK	5.4684G	66.45	68.20	-1.75	4.41	3	Horizontal	219	1.00	-
PK	5.5528G	111.83	Inf	-Inf	4.54	3	Horizontal	219	1.00	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5550MHz_TX

23/12/2018

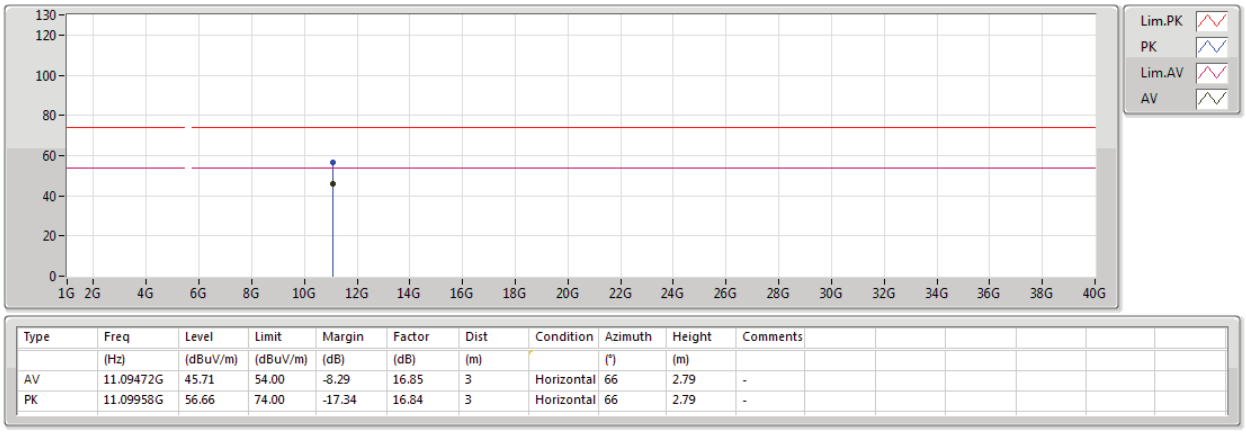


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.08902G	45.77	54.00	-8.23	16.85	3	Vertical	216	1.27	-
PK	11.10342G	56.59	74.00	-17.41	16.84	3	Vertical	216	1.27	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5550MHz_TX

23/12/2018

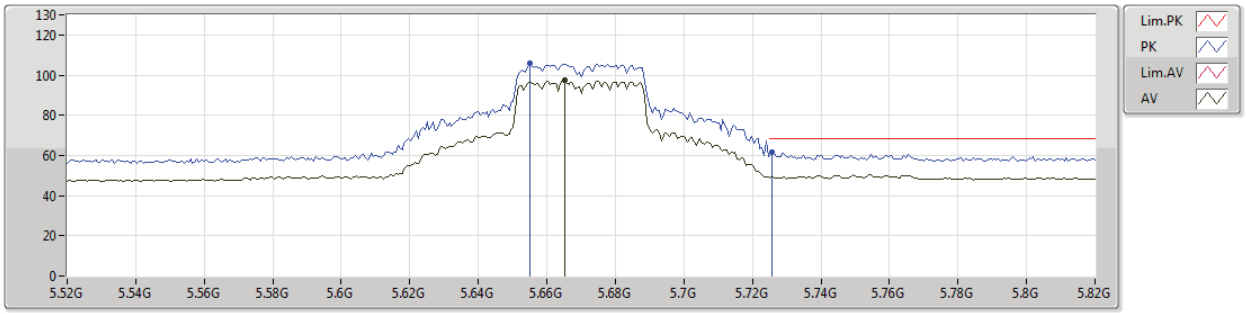


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.09472G	45.71	54.00	-8.29	16.85	3	Horizontal	66	2.79	-
PK	11.09958G	56.66	74.00	-17.34	16.84	3	Horizontal	66	2.79	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5670MHz_TX

21/12/2018

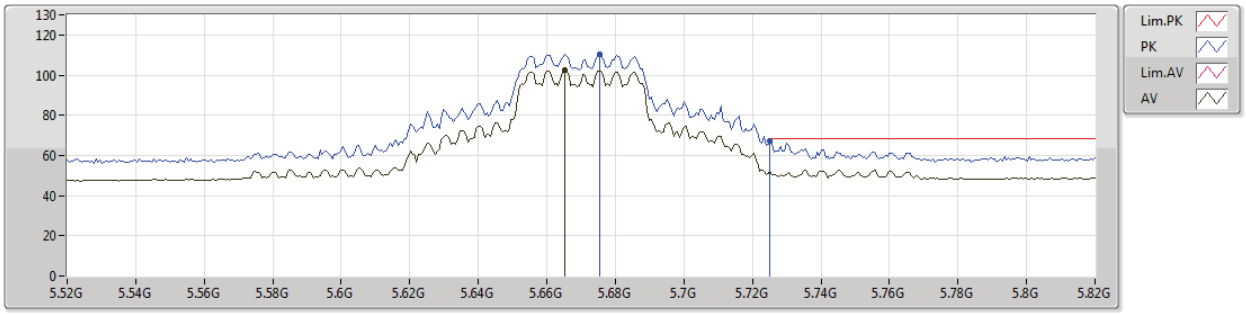


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.6652G	97.39	Inf	-Inf	4.78	3	Vertical	274	2.95	-
PK	5.655G	105.75	Inf	-Inf	4.76	3	Vertical	274	2.95	-
PK	5.7258G	61.86	68.20	-6.34	4.93	3	Vertical	274	2.95	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5670MHz_TX

21/12/2018

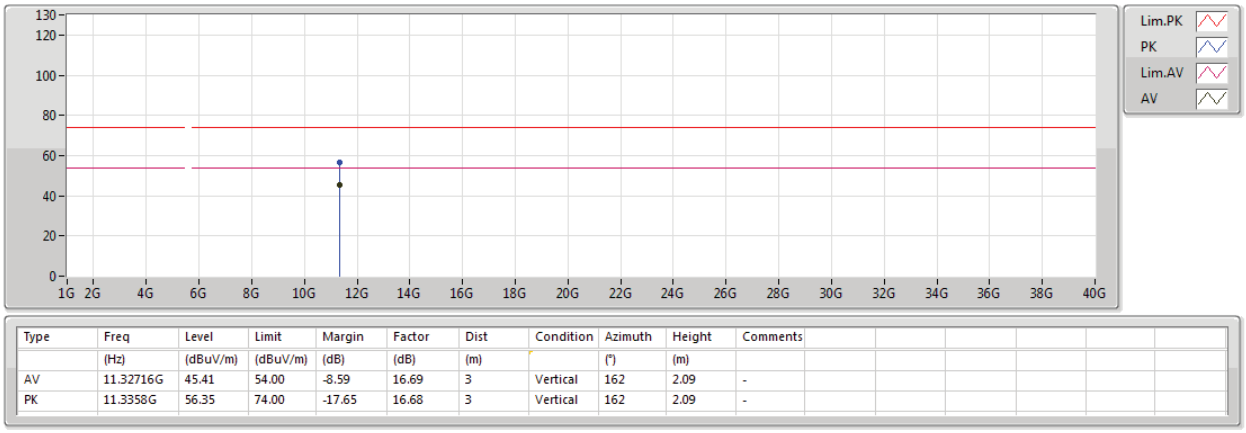


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.6652G	102.31	Inf	-Inf	4.78	3	Horizontal	341	1.01	-
PK	5.6754G	110.40	Inf	-Inf	4.82	3	Horizontal	341	1.01	-
PK	5.7252G	67.14	68.20	-1.06	4.93	3	Horizontal	341	1.01	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5670MHz_TX

23/12/2018

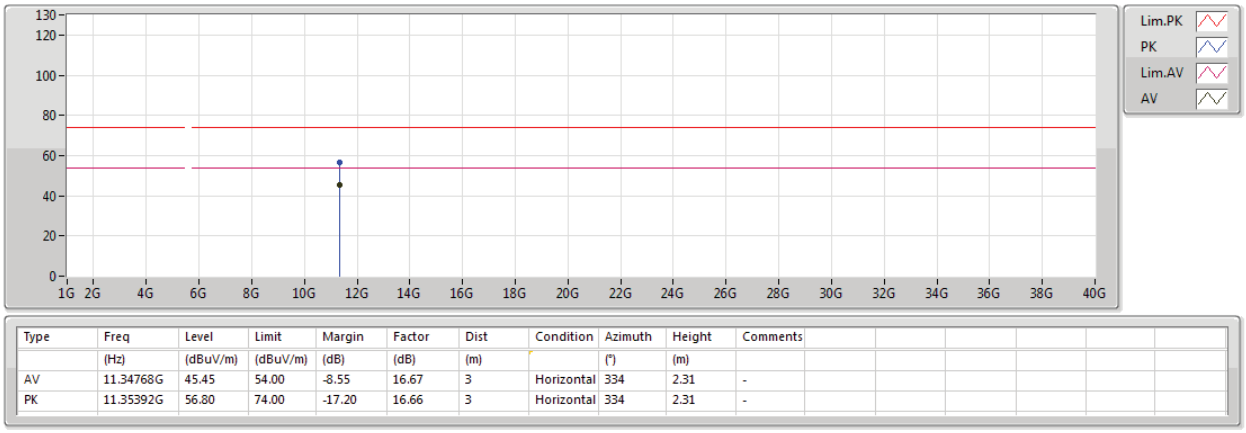


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.32716G	45.41	54.00	-8.59	16.69	3	Vertical	162	2.09	-
PK	11.3358G	56.35	74.00	-17.65	16.68	3	Vertical	162	2.09	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5670MHz_TX

23/12/2018

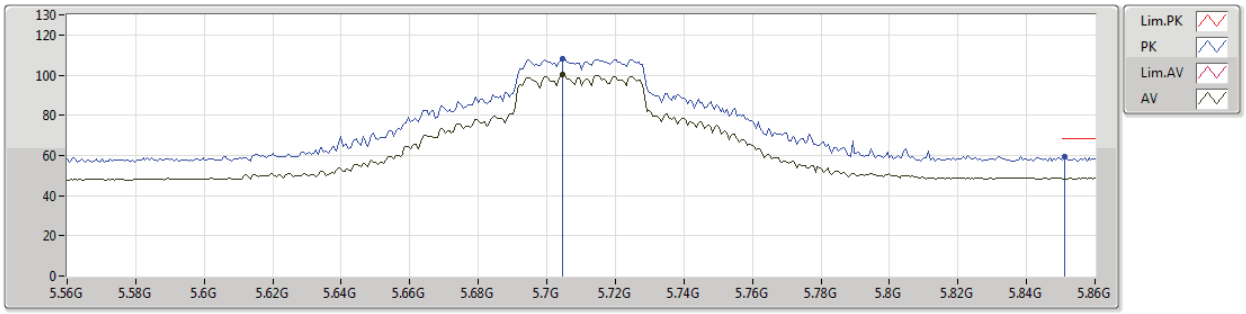


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.34768G	45.45	54.00	-8.55	16.67	3	Horizontal	334	2.31	-
PK	11.35392G	56.80	74.00	-17.20	16.66	3	Horizontal	334	2.31	-

802.11ac VHT40_Nss1,(MCS0)_3TX

21/12/2018

5710MHz Straddle 5.47-5.725GHz_TX

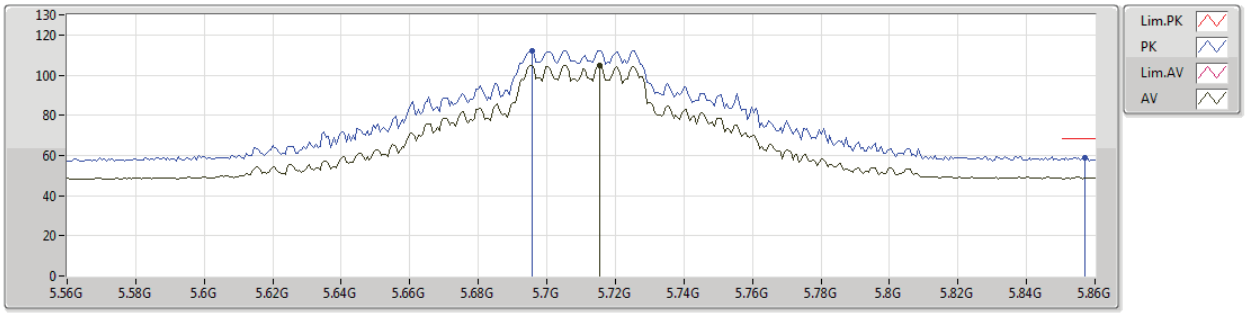


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7046G	100.05	Inf	-Inf	4.89	3	Vertical	274	2.89	-
PK	5.7046G	108.11	Inf	-Inf	4.89	3	Vertical	274	2.89	-
PK	5.851G	59.31	68.20	-8.89	5.16	3	Vertical	274	2.89	-

802.11ac VHT40_Nss1,(MCS0)_3TX

21/12/2018

5710MHz Straddle 5.47-5.725GHz_TX

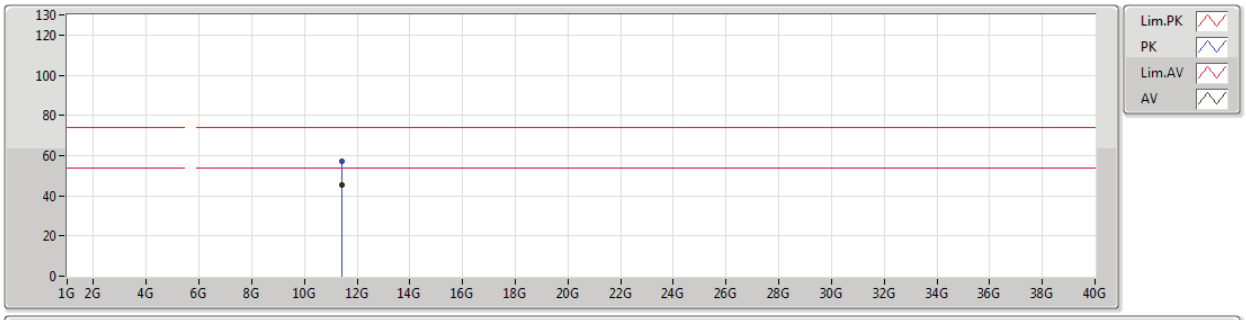


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7154G	104.78	Inf	-Inf	4.91	3	Horizontal	341	1.01	-
PK	5.6956G	112.24	Inf	-Inf	4.85	3	Horizontal	341	1.01	-
PK	5.857G	59.05	68.20	-9.15	5.17	3	Horizontal	341	1.01	-

802.11ac VHT40_Nss1,(MCS0)_3TX

23/12/2018

5710MHz Straddle 5.47-5.725GHz_TX

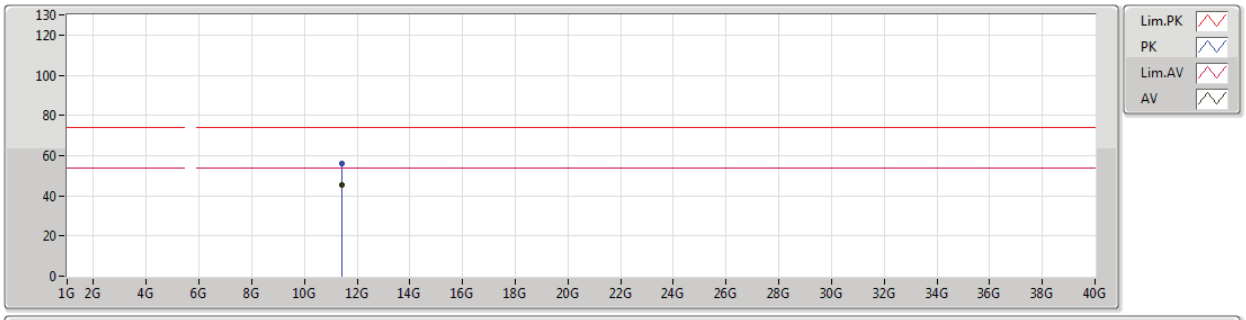


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.40878G	45.46	54.00	-8.54	16.64	3	Vertical	270	1.46	-
PK	11.43044G	56.95	74.00	-17.05	16.62	3	Vertical	270	1.46	-

802.11ac VHT40_Nss1,(MCS0)_3TX

23/12/2018

5710MHz Straddle 5.47-5.725GHz_TX

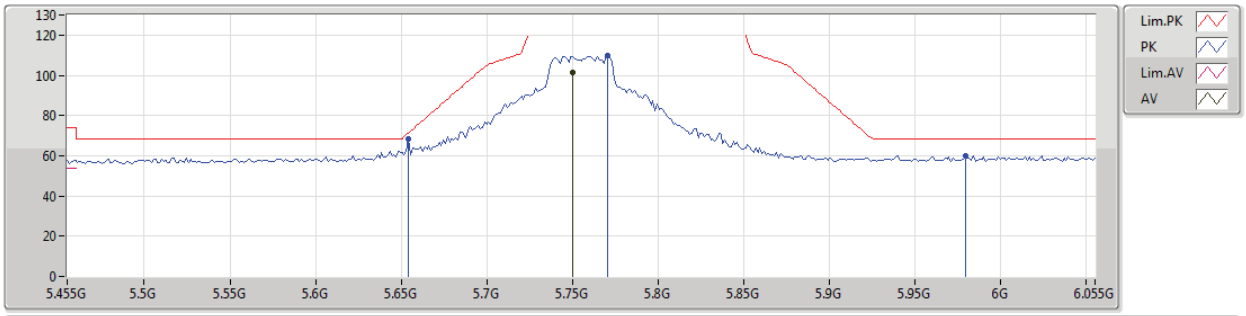


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.40902G	45.46	54.00	-8.54	16.64	3	Horizontal	69	2.75	-
PK	11.41514G	56.15	74.00	-17.85	16.63	3	Horizontal	69	2.75	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

21/12/2018

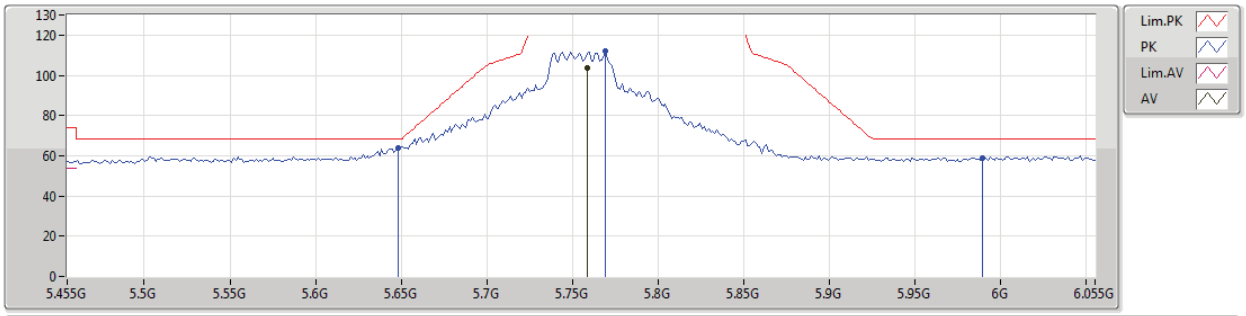


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7502G	101.48	Inf	-Inf	5.00	3	Vertical	272	2.99	-
PK	5.6542G	68.21	71.31	-3.10	4.76	3	Vertical	272	2.99	-
PK	5.7706G	109.55	Inf	-Inf	5.05	3	Vertical	272	2.99	-
PK	5.9794G	60.10	68.20	-8.10	5.28	3	Vertical	272	2.99	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

21/12/2018

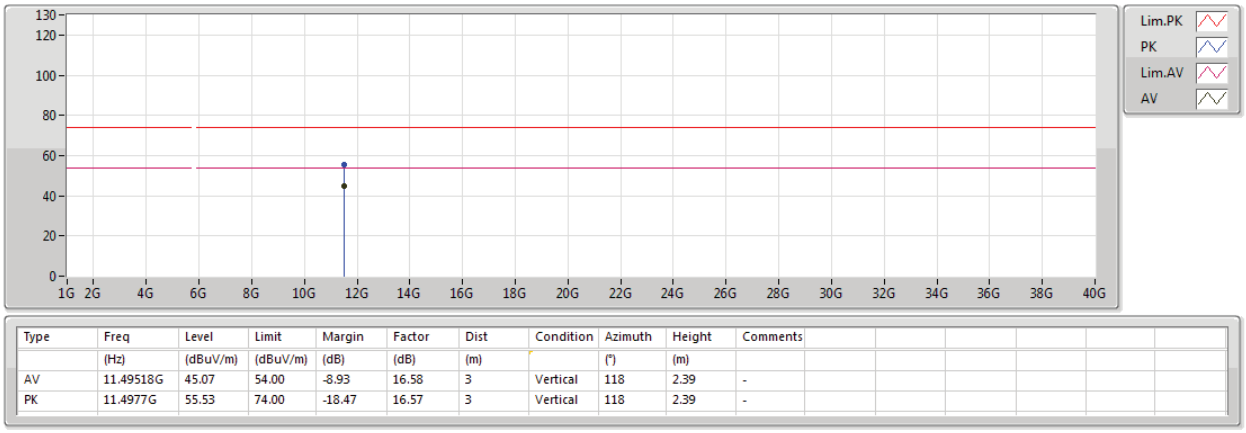


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7586G	103.86	Inf	-Inf	5.02	3	Horizontal	35	1.01	-
PK	5.6482G	64.01	68.20	-4.19	4.75	3	Horizontal	35	1.01	-
PK	5.7694G	112.01	Inf	-Inf	5.05	3	Horizontal	35	1.01	-
PK	5.989G	59.07	68.20	-9.13	5.28	3	Horizontal	35	1.01	-

802.11ac VHT40_Nss1,(MCS0)_3TX

23/12/2018

5755MHz_TX

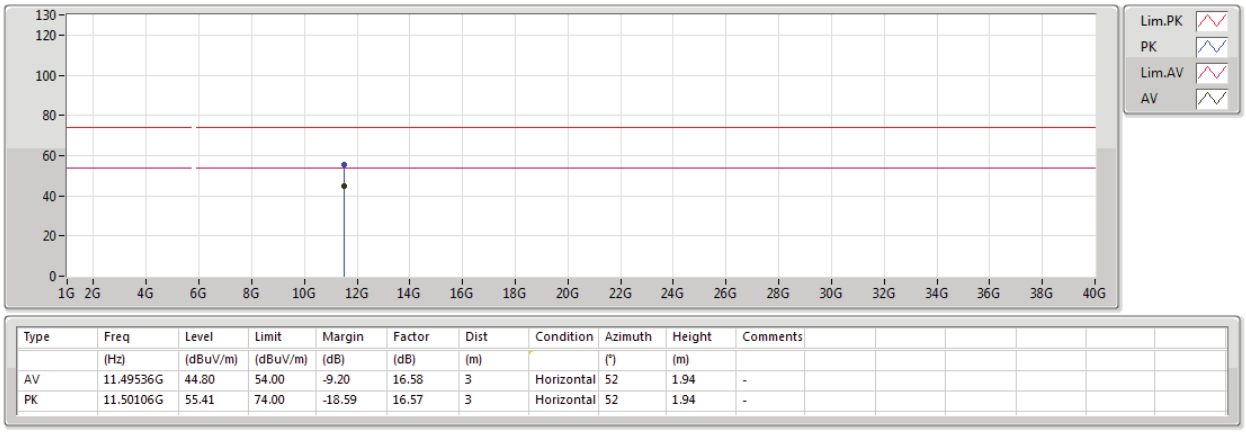


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.49518G	45.07	54.00	-8.93	16.58	3	Vertical	118	2.39	-
PK	11.4977G	55.53	74.00	-18.47	16.57	3	Vertical	118	2.39	-

802.11ac VHT40_Nss1,(MCS0)_3TX

23/12/2018

5755MHz_TX

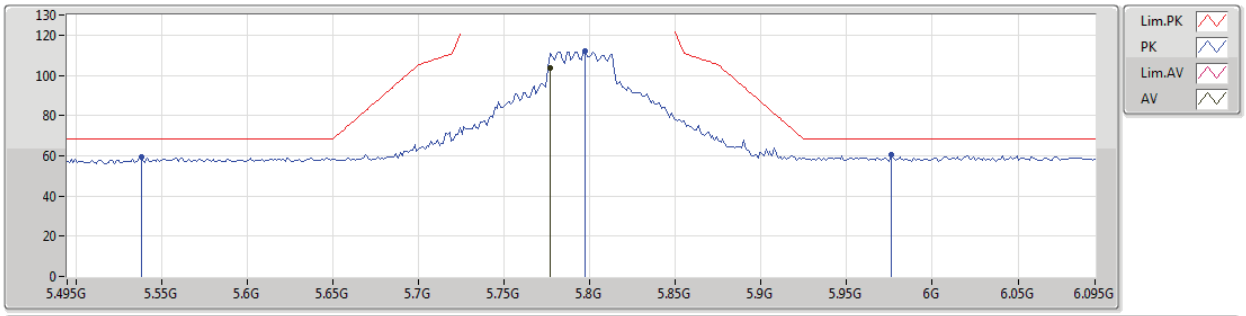


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.49536G	44.80	54.00	-9.20	16.58	3	Horizontal	52	1.94	-
PK	11.50106G	55.41	74.00	-18.59	16.57	3	Horizontal	52	1.94	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

21/12/2018

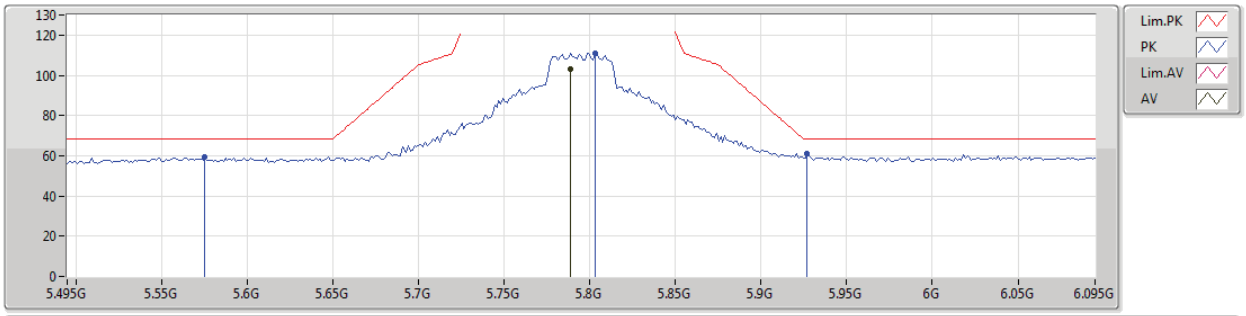


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.777G	103.92	Inf	-Inf	5.06	3	Vertical	73	2.96	-
PK	5.5382G	59.53	68.20	-8.67	4.52	3	Vertical	73	2.96	-
PK	5.7974G	112.24	Inf	-Inf	5.12	3	Vertical	73	2.96	-
PK	5.9762G	60.53	68.20	-7.67	5.28	3	Vertical	73	2.96	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

21/12/2018

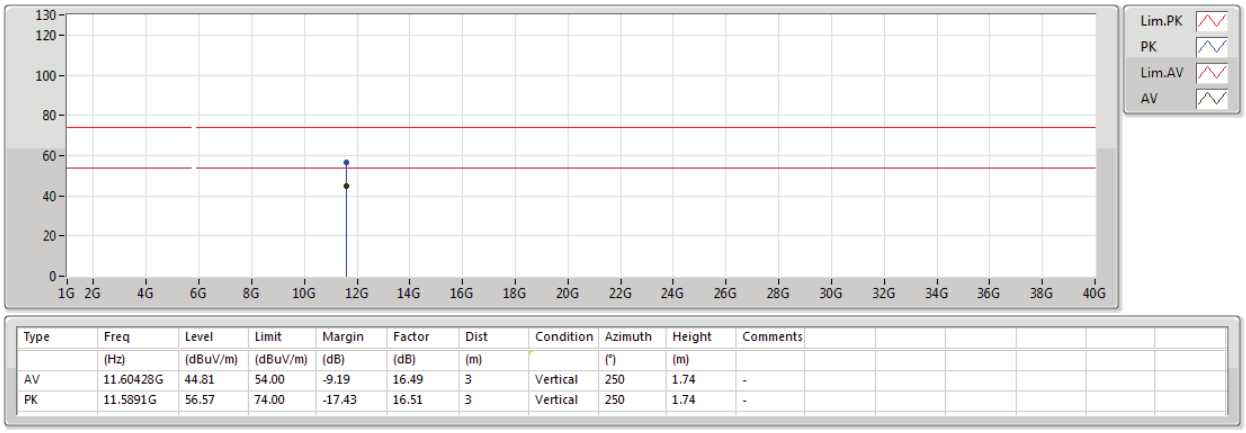


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.789G	103.12	Inf	-Inf	5.09	3	Horizontal	41	2.78	-
PK	5.5754G	59.61	68.20	-8.59	4.59	3	Horizontal	41	2.78	-
PK	5.8034G	111.02	Inf	-Inf	5.12	3	Horizontal	41	2.78	-
PK	5.927G	61.24	68.20	-6.96	5.23	3	Horizontal	41	2.78	-

802.11ac VHT40_Nss1,(MCS0)_3TX

23/12/2018

5795MHz_TX

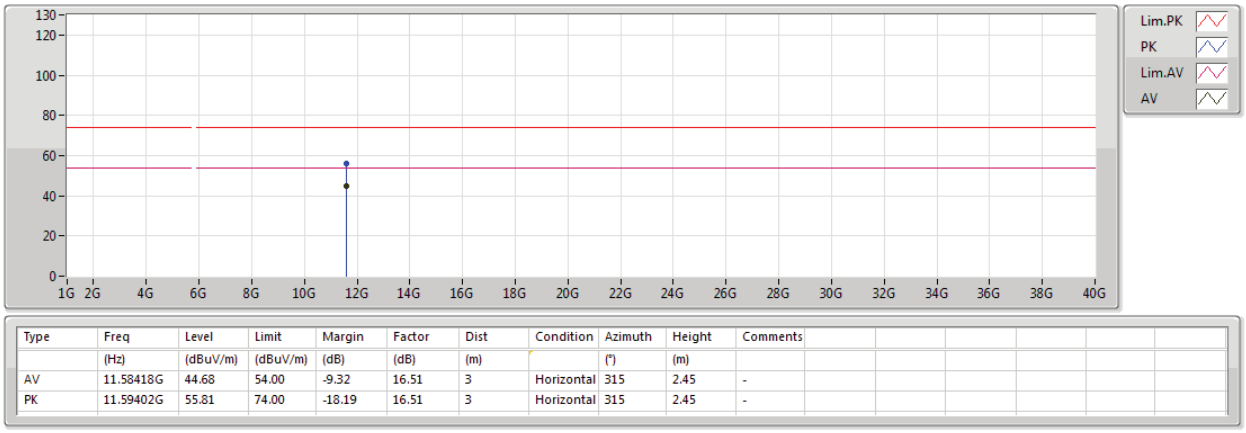


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.60428G	44.81	54.00	-9.19	16.49	3	Vertical	250	1.74	-
PK	11.5891G	56.57	74.00	-17.43	16.51	3	Vertical	250	1.74	-

802.11ac VHT40_Nss1,(MCS0)_3TX

23/12/2018

5795MHz_TX

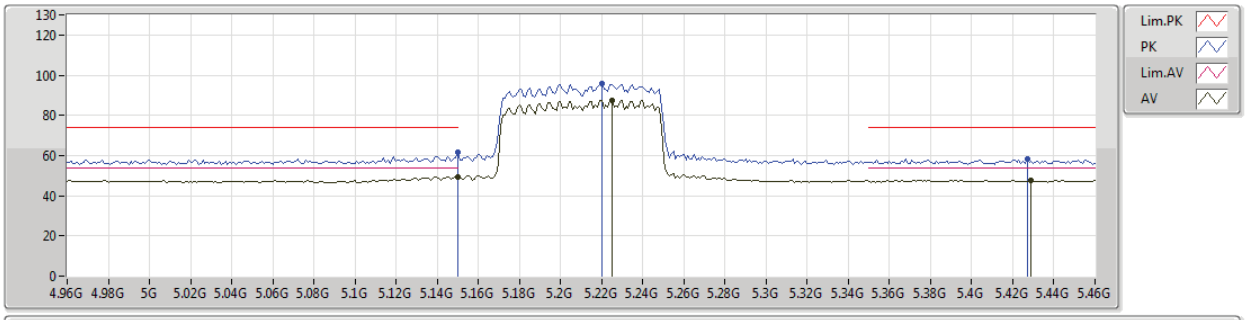


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.58418G	44.68	54.00	-9.32	16.51	3	Horizontal	315	2.45	-
PK	11.59402G	55.81	74.00	-18.19	16.51	3	Horizontal	315	2.45	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

21/12/2018

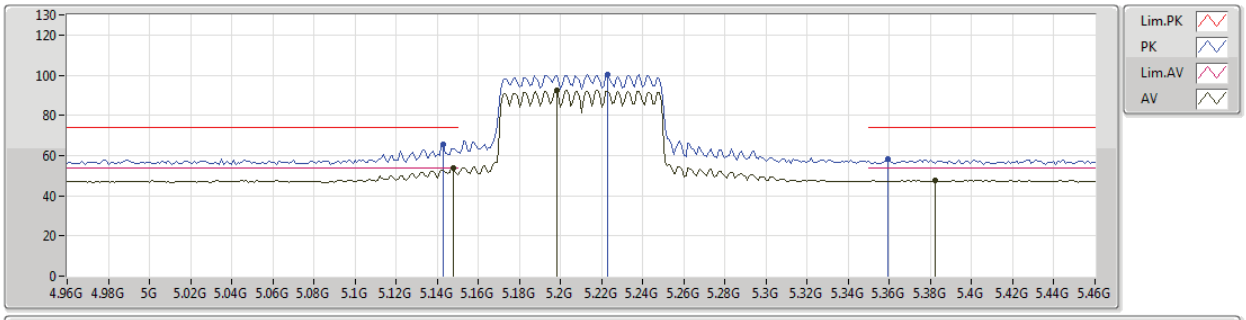


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	49.50	54.00	-4.50	4.01	3	Vertical	196	2.93	-
AV	5.225G	87.62	Inf	-Inf	4.11	3	Vertical	196	2.93	-
AV	5.429G	47.70	54.00	-6.30	4.36	3	Vertical	196	2.93	-
PK	5.15G	61.81	74.00	-12.19	4.01	3	Vertical	196	2.93	-
PK	5.22G	95.54	Inf	-Inf	4.10	3	Vertical	196	2.93	-
PK	5.427G	58.06	74.00	-15.94	4.36	3	Vertical	196	2.93	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

21/12/2018

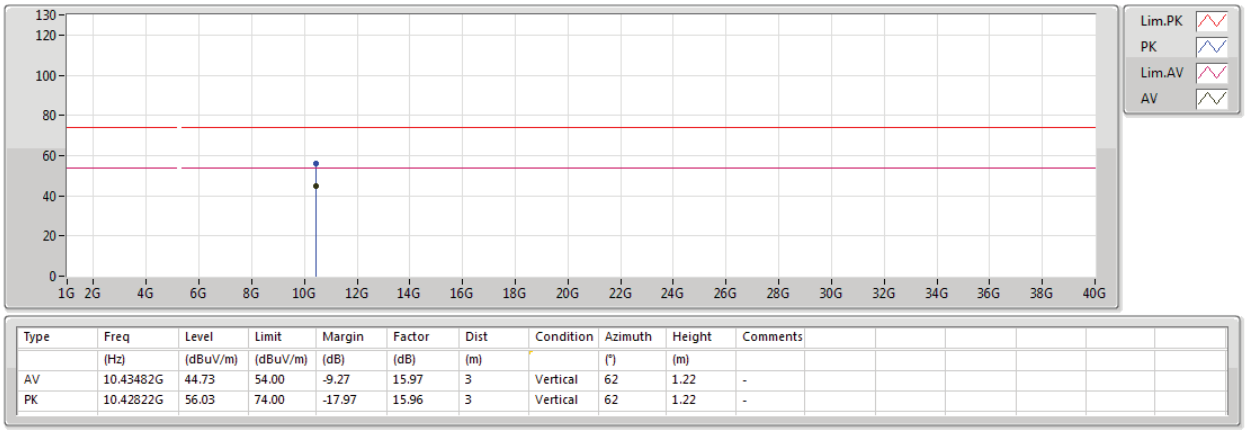


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.148G	53.71	54.00	-0.29	4.01	3	Horizontal	220	1.01	-
AV	5.198G	92.48	Inf	-Inf	4.08	3	Horizontal	220	1.01	-
AV	5.382G	47.75	54.00	-6.25	4.30	3	Horizontal	220	1.01	-
PK	5.143G	65.29	74.00	-8.71	4.01	3	Horizontal	220	1.01	-
PK	5.223G	100.29	Inf	-Inf	4.10	3	Horizontal	220	1.01	-
PK	5.359G	58.27	74.00	-15.73	4.28	3	Horizontal	220	1.01	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

23/12/2018

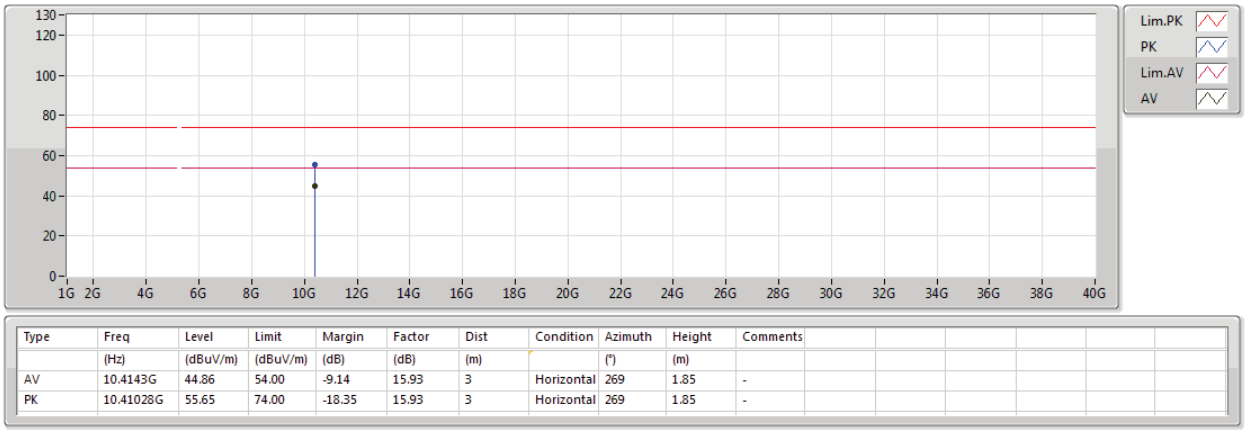


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.43482G	44.73	54.00	-9.27	15.97	3	Vertical	62	1.22	-
PK	10.42822G	56.03	74.00	-17.97	15.96	3	Vertical	62	1.22	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

23/12/2018

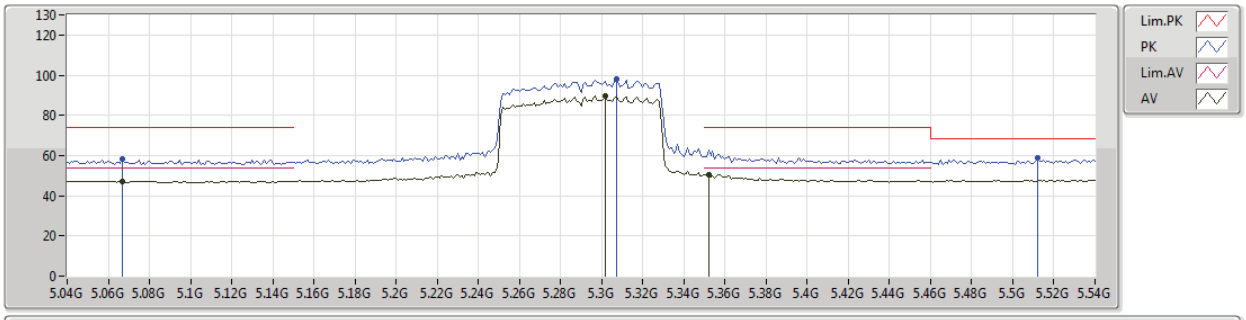


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4143G	44.86	54.00	-9.14	15.93	3	Horizontal	269	1.85	-
PK	10.41028G	55.65	74.00	-18.35	15.93	3	Horizontal	269	1.85	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5290MHz_TX

21/12/2018

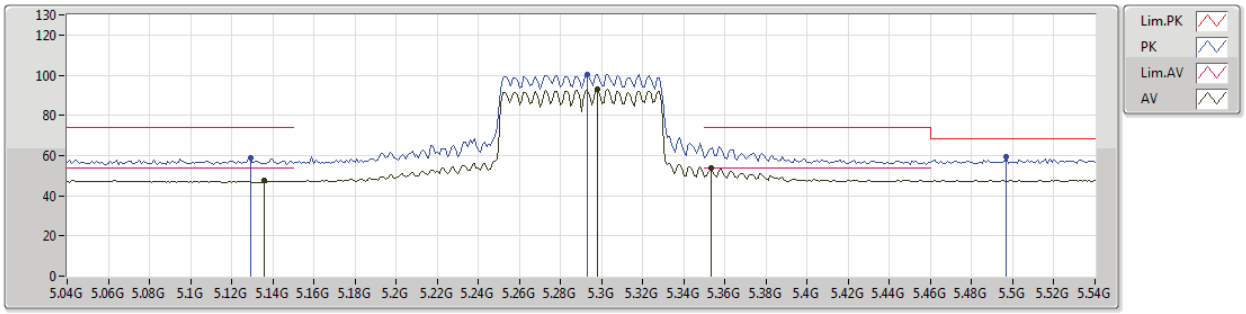


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.067G	47.30	54.00	-6.70	3.90	3	Vertical	208	2.99	-
AV	5.302G	89.65	Inf	-Inf	4.21	3	Vertical	208	2.99	-
AV	5.352G	50.68	54.00	-3.32	4.26	3	Vertical	208	2.99	-
PK	5.067G	58.11	74.00	-15.89	3.90	3	Vertical	208	2.99	-
PK	5.307G	98.24	Inf	-Inf	4.21	3	Vertical	208	2.99	-
PK	5.512G	58.83	68.20	-9.37	4.48	3	Vertical	208	2.99	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5290MHz_TX

21/12/2018

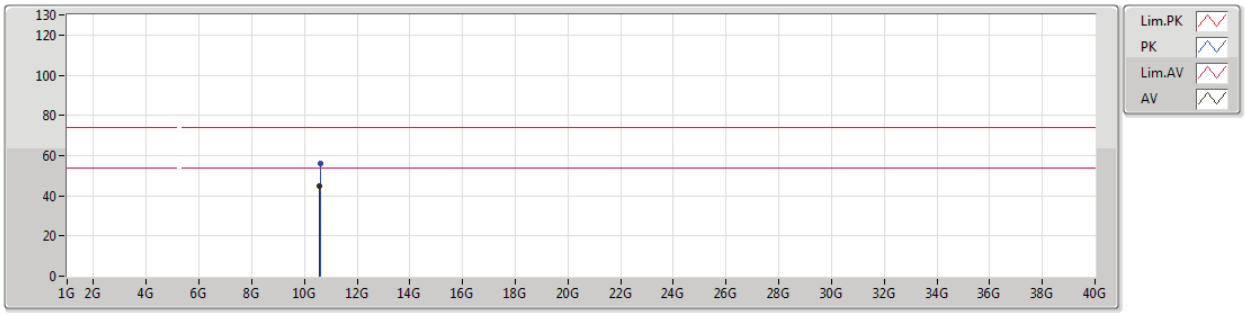


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.136G	47.44	54.00	-6.56	3.99	3	Horizontal	222	1.01	-
AV	5.298G	92.77	Inf	-Inf	4.20	3	Horizontal	222	1.01	-
AV	5.353G	53.64	54.00	-0.36	4.26	3	Horizontal	222	1.01	-
PK	5.129G	58.62	74.00	-15.38	3.99	3	Horizontal	222	1.01	-
PK	5.293G	100.23	Inf	-Inf	4.20	3	Horizontal	222	1.01	-
PK	5.497G	59.21	68.20	-8.99	4.45	3	Horizontal	222	1.01	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5290MHz_TX

23/12/2018

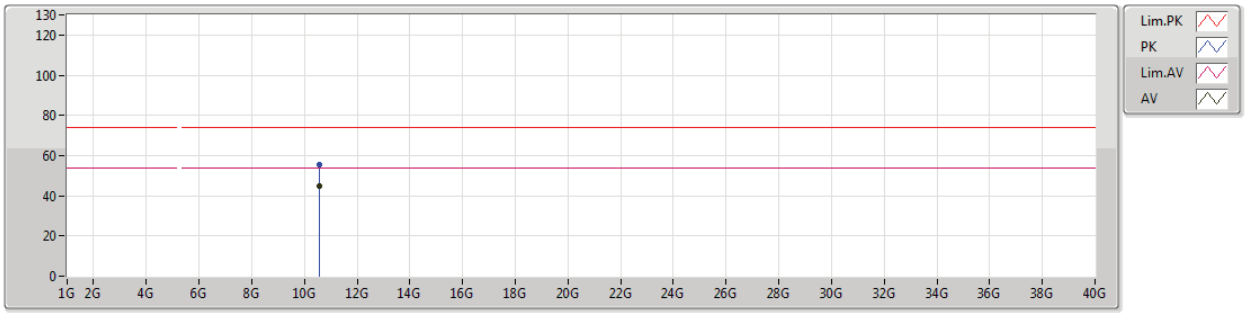


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.56584G	44.61	54.00	-9.39	16.19	3	Vertical	299	1.65	-
PK	10.5926G	55.83	74.00	-18.17	16.23	3	Vertical	299	1.65	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5290MHz_TX

23/12/2018

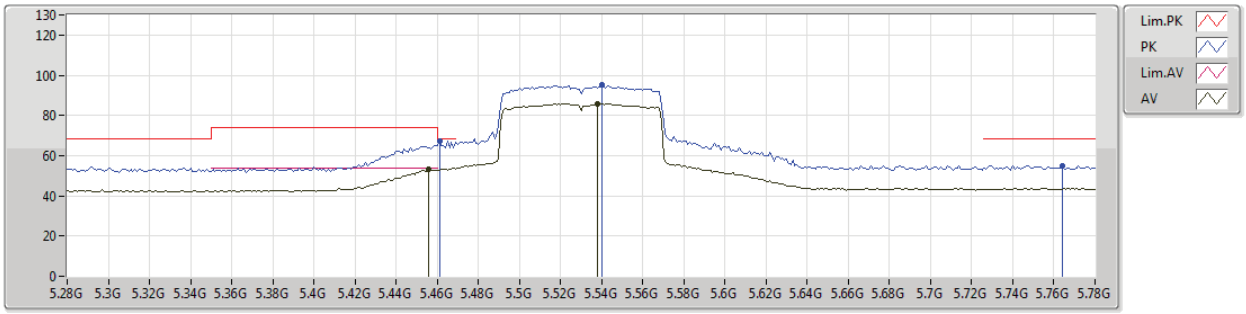


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.56536G	44.62	54.00	-9.38	16.19	3	Horizontal	62	1.47	-
PK	10.58108G	55.47	74.00	-18.53	16.21	3	Horizontal	62	1.47	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5530MHz_TX

22/12/2018

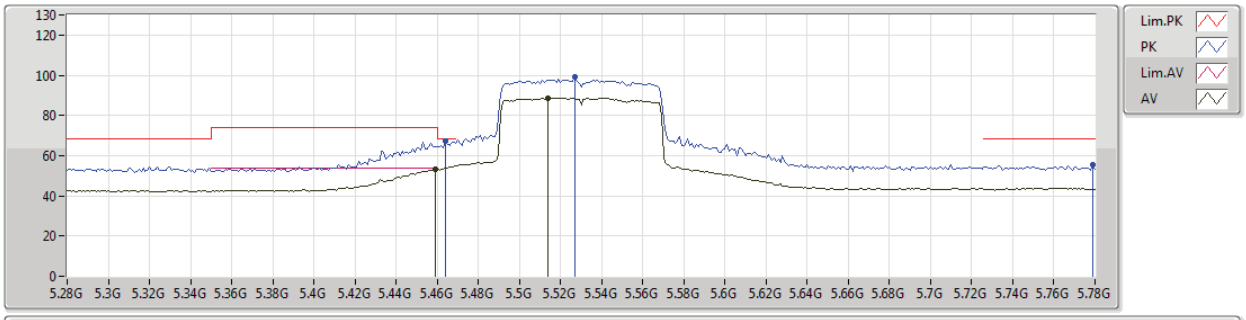


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.456G	53.15	54.00	-0.85	3.09	3	Vertical	185	1.87	-
AV	5.538G	85.76	Inf	-Inf	3.22	3	Vertical	185	1.87	-
PK	5.461G	67.49	68.20	-0.71	3.10	3	Vertical	185	1.87	-
PK	5.54G	95.18	Inf	-Inf	3.23	3	Vertical	185	1.87	-
PK	5.764G	55.08	68.20	-13.12	3.66	3	Vertical	185	1.87	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5530MHz_TX

22/12/2018

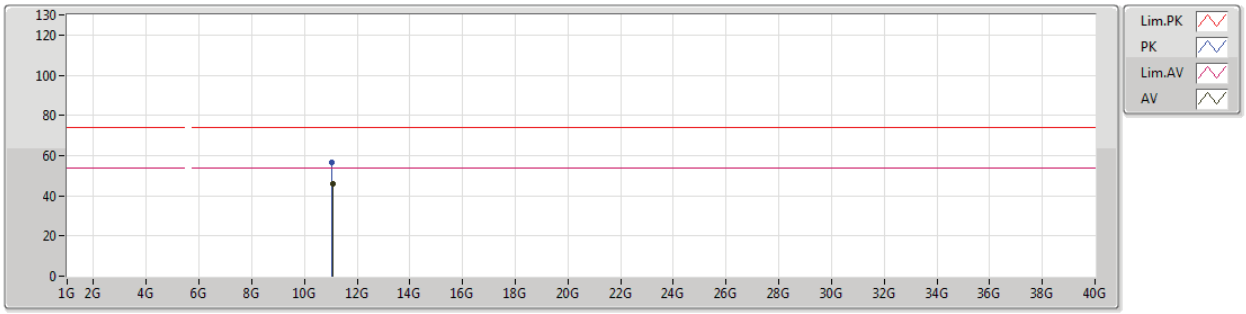


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.459G	53.19	54.00	-0.81	3.10	3	Horizontal	26	1.50	-
AV	5.514G	88.67	Inf	-Inf	3.17	3	Horizontal	26	1.50	-
PK	5.464G	67.32	68.20	-0.88	3.10	3	Horizontal	26	1.50	-
PK	5.527G	99.07	Inf	-Inf	3.20	3	Horizontal	26	1.50	-
PK	5.779G	55.53	68.20	-12.67	3.69	3	Horizontal	26	1.50	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5530MHz_TX

23/12/2018

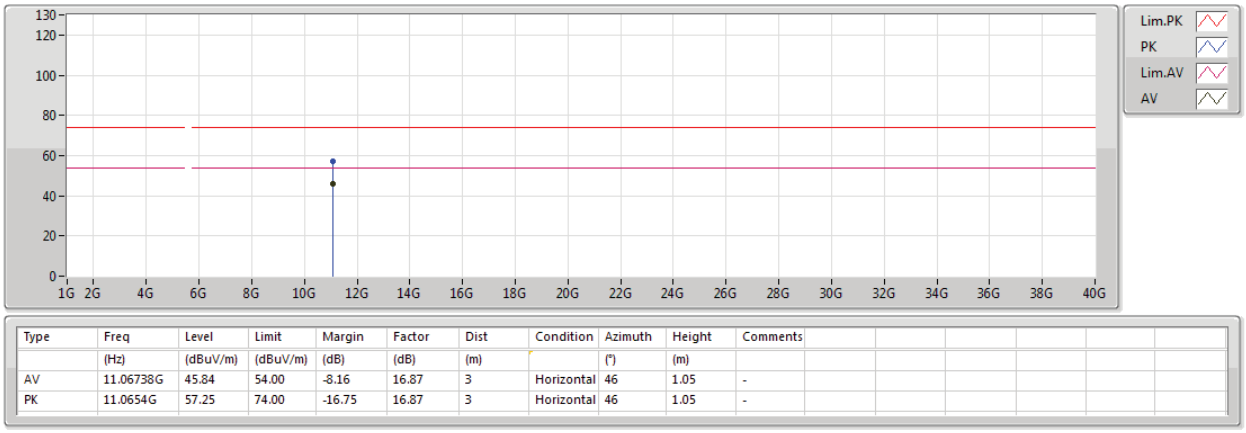


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.07488G	45.88	54.00	-8.12	16.86	3	Vertical	95	1.02	-
PK	11.0453G	56.47	74.00	-17.53	16.89	3	Vertical	95	1.02	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5530MHz_TX

23/12/2018

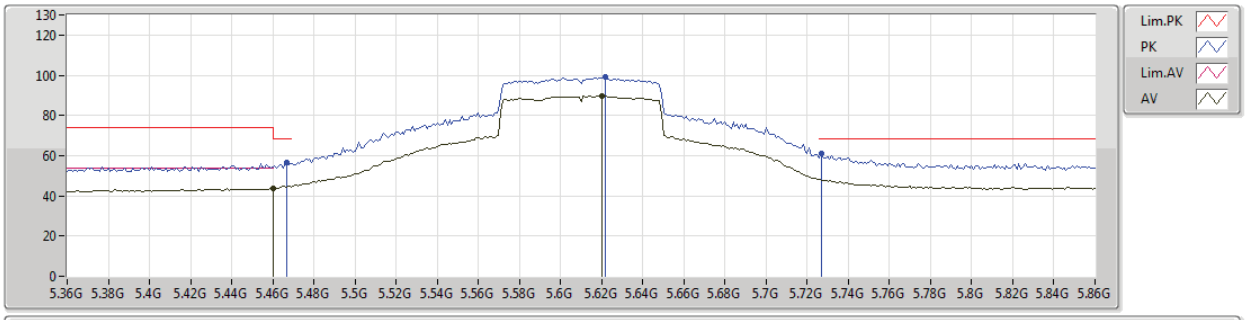


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.06738G	45.84	54.00	-8.16	16.87	3	Horizontal	46	1.05	-
PK	11.0654G	57.25	74.00	-16.75	16.87	3	Horizontal	46	1.05	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5610MHz_TX

22/12/2018

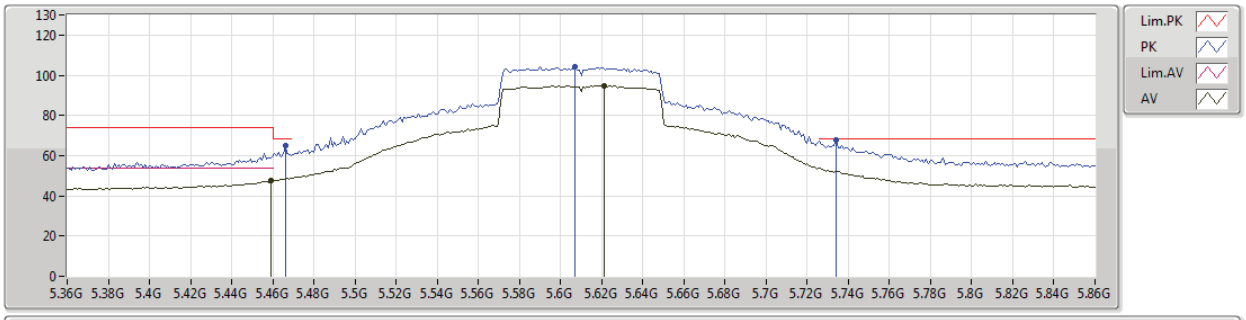


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.46G	43.92	54.00	-10.08	3.10	3	Vertical	271	2.42	-
AV	5.62G	89.86	Inf	-Inf	3.38	3	Vertical	271	2.42	-
PK	5.467G	56.60	68.20	-11.60	3.11	3	Vertical	271	2.42	-
PK	5.622G	99.17	Inf	-Inf	3.39	3	Vertical	271	2.42	-
PK	5.727G	61.17	68.20	-7.03	3.59	3	Vertical	271	2.42	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5610MHz_TX

22/12/2018

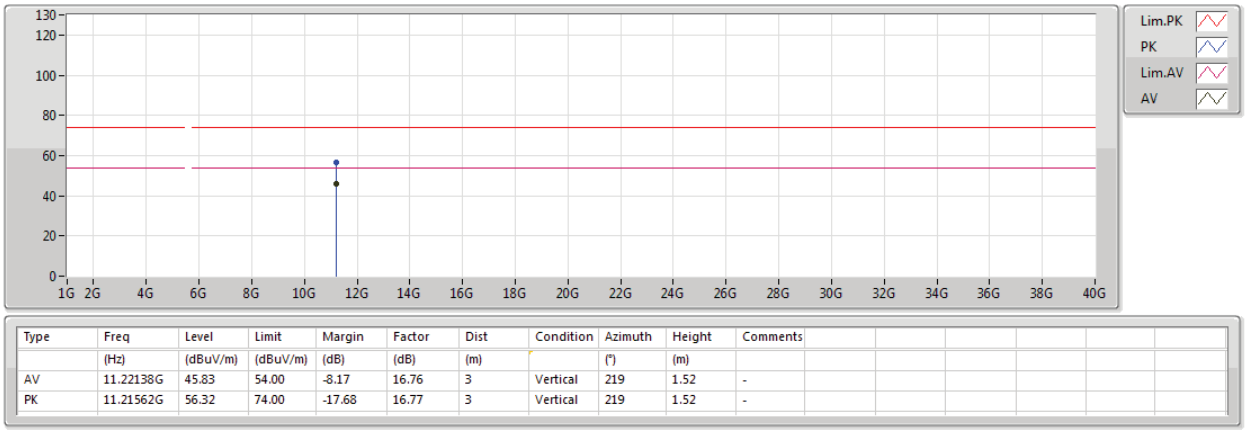


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.459G	47.40	54.00	-6.60	3.10	3	Horizontal	73	1.11	-
AV	5.621G	94.80	Inf	-Inf	3.38	3	Horizontal	73	1.11	-
PK	5.466G	65.18	68.20	-3.02	3.11	3	Horizontal	73	1.11	-
PK	5.607G	104.17	Inf	-Inf	3.35	3	Horizontal	73	1.11	-
PK	5.734G	67.67	68.20	-0.53	3.60	3	Horizontal	73	1.11	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5610MHz_TX

23/12/2018

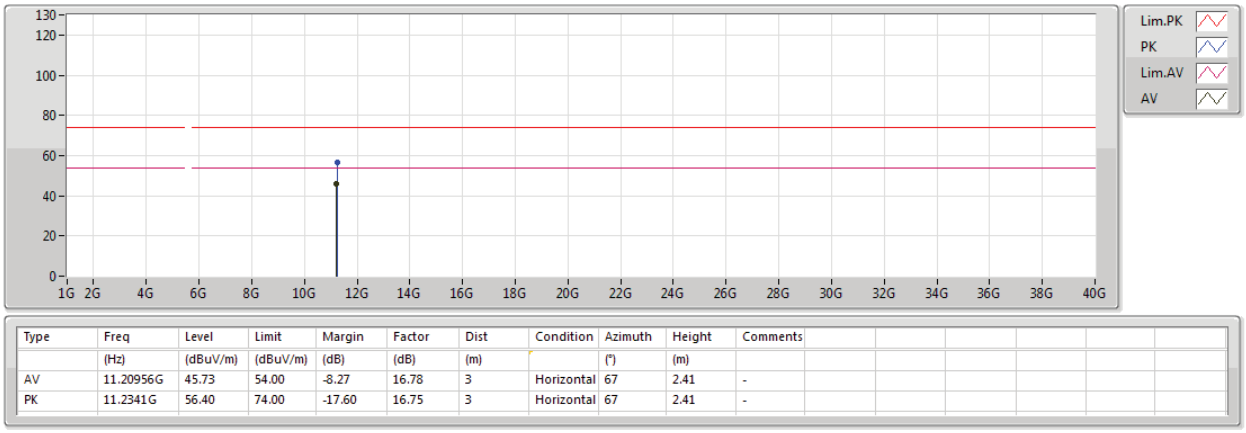


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.22138G	45.83	54.00	-8.17	16.76	3	Vertical	219	1.52	-
PK	11.21562G	56.32	74.00	-17.68	16.77	3	Vertical	219	1.52	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5610MHz_TX

23/12/2018

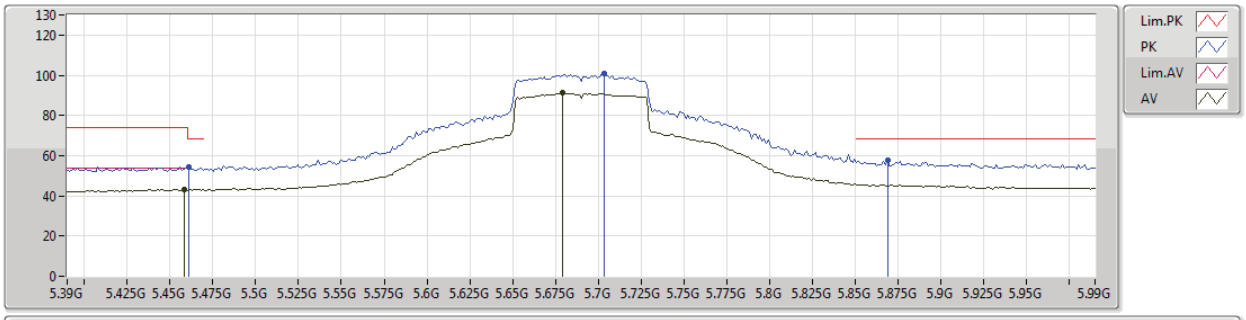


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.20956G	45.73	54.00	-8.27	16.78	3	Horizontal	67	2.41	-
PK	11.2341G	56.40	74.00	-17.60	16.75	3	Horizontal	67	2.41	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5690MHz Straddle 5.47-5.725GHz_TX

22/12/2018

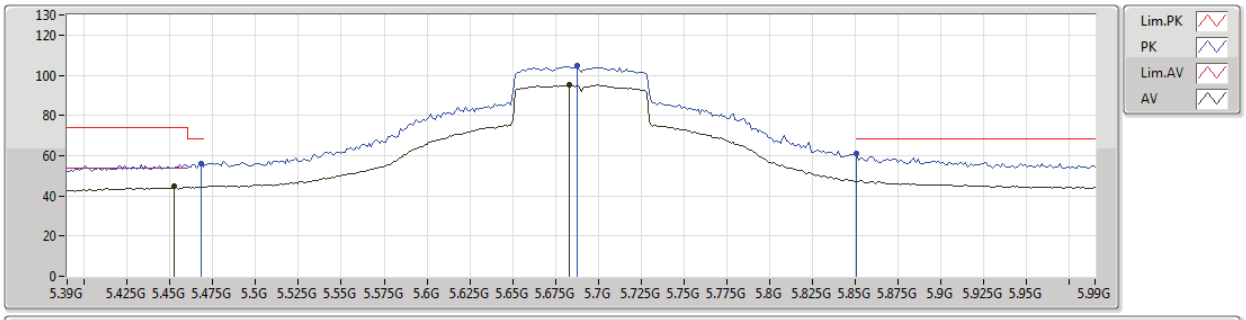


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4584G	43.08	54.00	-10.92	3.10	3	Vertical	60	1.15	-
AV	5.6792G	91.12	Inf	-Inf	3.50	3	Vertical	60	1.15	-
PK	5.4608G	54.36	68.20	-13.84	3.10	3	Vertical	60	1.15	-
PK	5.7032G	100.82	Inf	-Inf	3.54	3	Vertical	60	1.15	-
PK	5.8688G	57.66	68.20	-10.54	3.87	3	Vertical	60	1.15	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5690MHz Straddle 5.47-5.725GHz_TX

22/12/2018

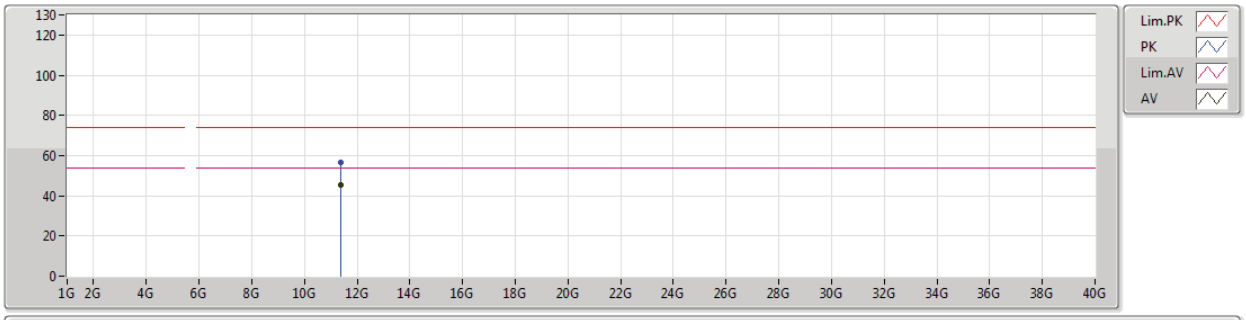


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4524G	44.55	54.00	-9.45	3.09	3	Horizontal	73	1.13	-
AV	5.6828G	95.20	Inf	-Inf	3.51	3	Horizontal	73	1.13	-
PK	5.468G	56.23	68.20	-11.97	3.11	3	Horizontal	73	1.13	-
PK	5.6876G	104.70	Inf	-Inf	3.51	3	Horizontal	73	1.13	-
PK	5.8508G	61.22	68.20	-6.98	3.83	3	Horizontal	73	1.13	-

802.11ac VHT80_Nss1,(MCS0)_3TX

23/12/2018

5690MHz Straddle 5.47-5.725GHz_TX

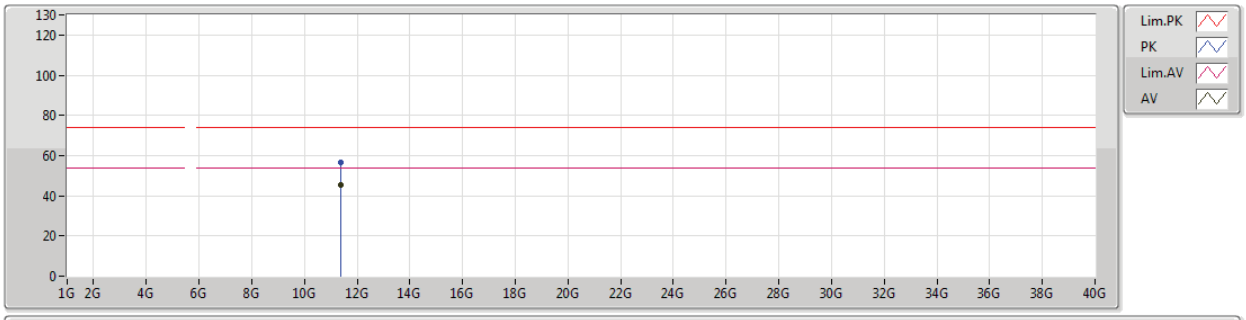


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.37112G	45.55	54.00	-8.45	16.65	3	Vertical	71	1.88	-
PK	11.3812G	56.82	74.00	-17.18	16.66	3	Vertical	71	1.88	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5690MHz Straddle 5.47-5.725GHz_TX

23/12/2018

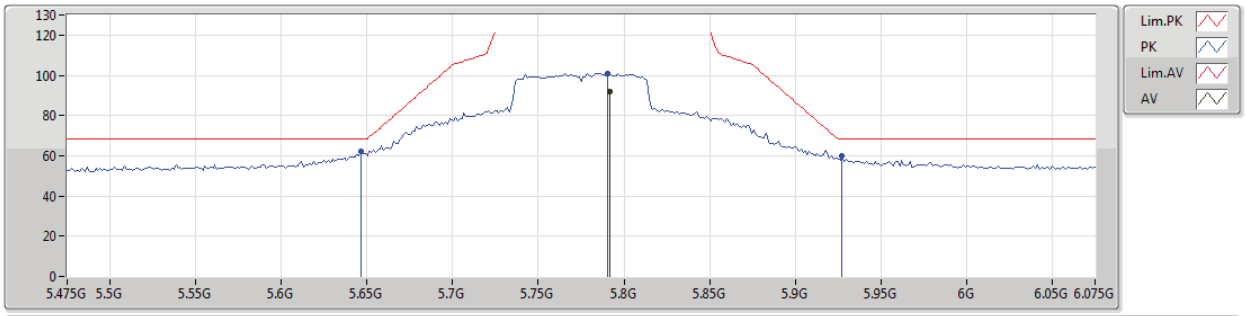


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.38798G	45.56	54.00	-8.44	16.65	3	Horizontal	306	1.45	-
PK	11.37214G	56.58	74.00	-17.42	16.65	3	Horizontal	306	1.45	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

22/12/2018

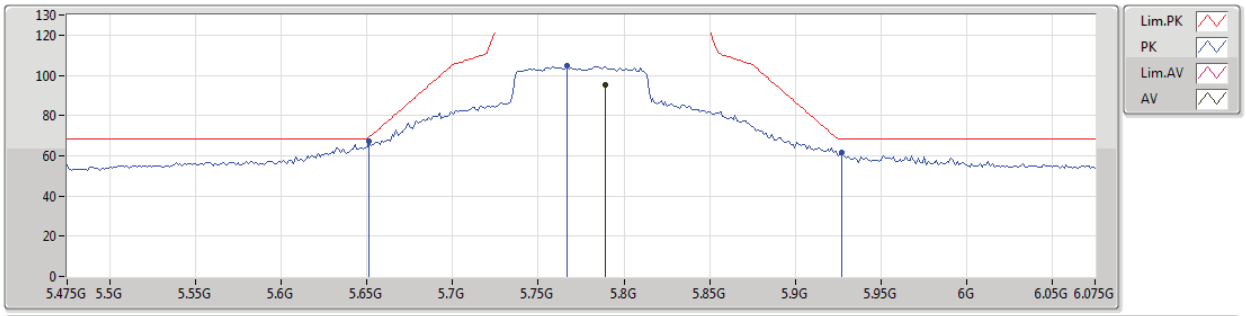


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7918G	92.11	Inf	-Inf	3.71	3	Vertical	61	1.07	-
PK	5.6466G	62.08	68.20	-6.12	3.44	3	Vertical	61	1.07	-
PK	5.7906G	100.86	Inf	-Inf	3.71	3	Vertical	61	1.07	-
PK	5.9274G	59.74	68.20	-8.46	3.99	3	Vertical	61	1.07	-

802.11ac VHT80_Nss1,(MCS0)_3TX

22/12/2018

5775MHz_TX

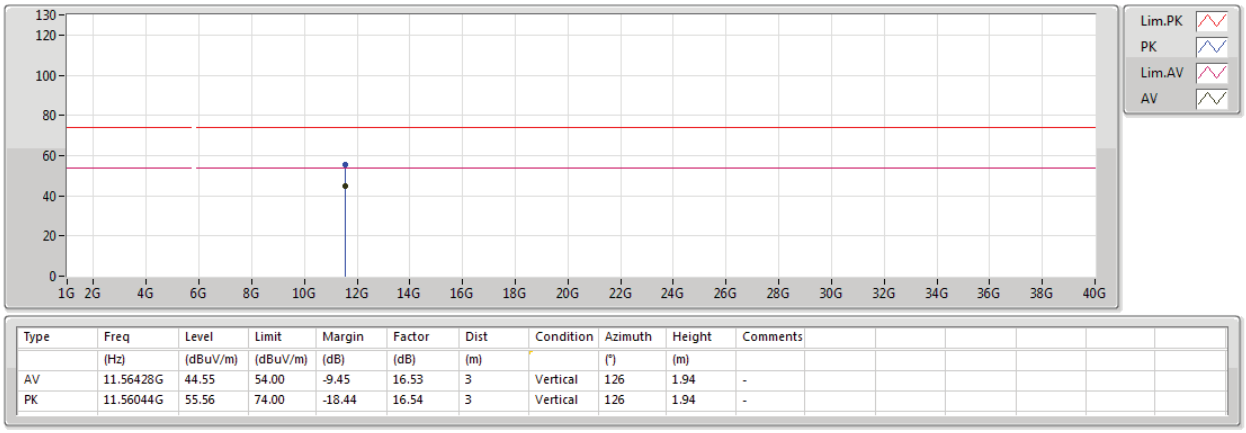


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7894G	95.36	Inf	-Inf	3.71	3	Horizontal	70	1.14	-
PK	5.6514G	67.16	69.24	-2.08	3.44	3	Horizontal	70	1.14	-
PK	5.7666G	104.74	Inf	-Inf	3.67	3	Horizontal	70	1.14	-
PK	5.9274G	61.59	68.20	-6.61	3.99	3	Horizontal	70	1.14	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

23/12/2018

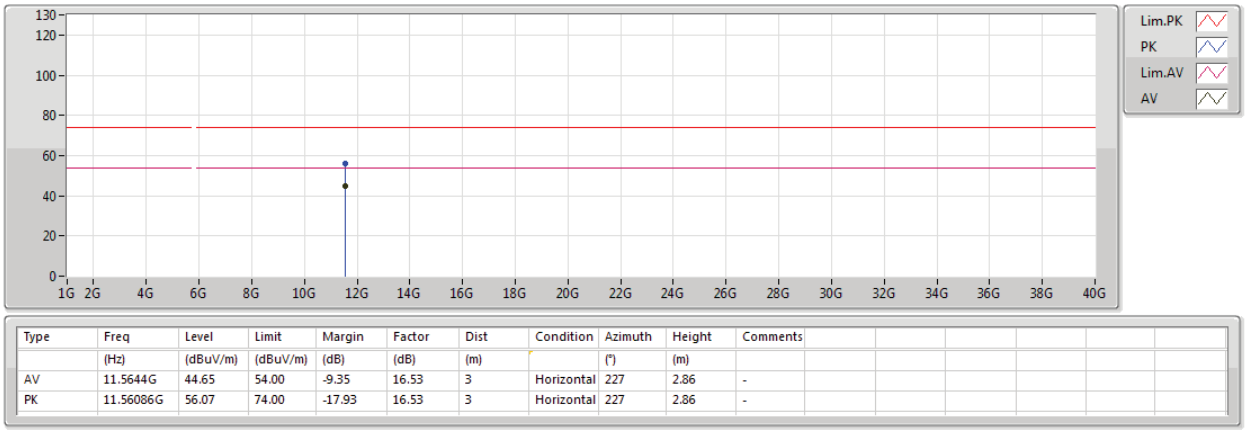


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.56428G	44.55	54.00	-9.45	16.53	3	Vertical	126	1.94	-
PK	11.56044G	55.56	74.00	-18.44	16.54	3	Vertical	126	1.94	-

802.11ac VHT80_Nss1,(MCS0)_3TX

23/12/2018

5775MHz_TX



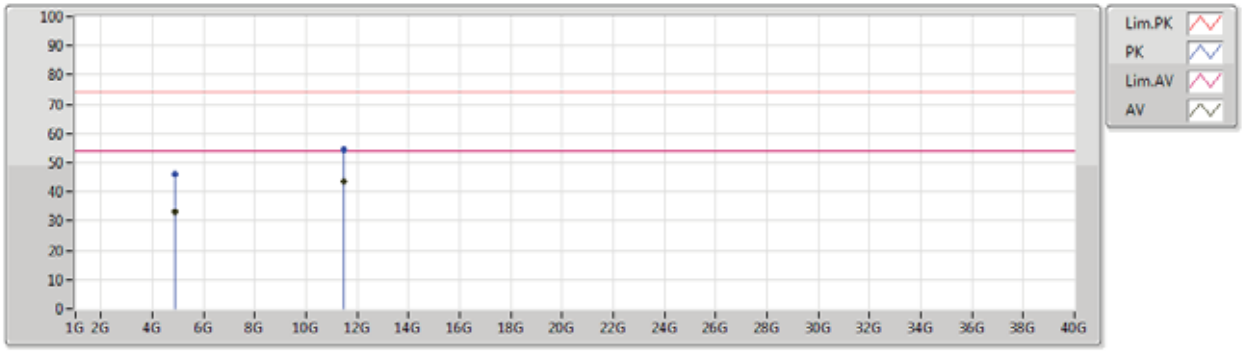
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.5644G	44.65	54.00	-9.35	16.53	3	Horizontal	227	2.86	-
PK	11.56086G	56.07	74.00	-17.93	16.53	3	Horizontal	227	2.86	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	11.48237G	44.78	54.00	-9.22	14.77	3	Horizontal	292	1.72	-

Radiation-above 1GHz_Mode 1

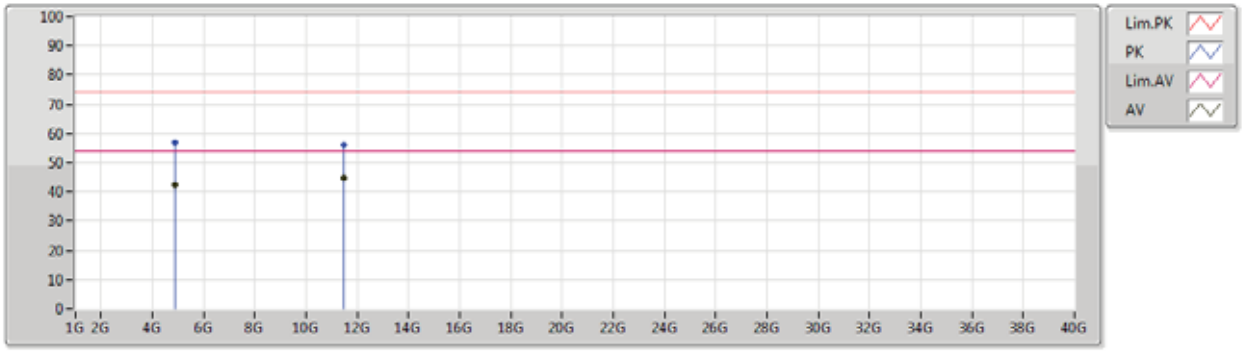
29/12/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87487G	33.15	54.00	-20.85	3.69	3	Vertical	114	1.65	-
AV	11.48327G	43.69	54.00	-10.31	14.77	3	Vertical	233	2.16	-
PK	4.87410G	46.29	74.00	-27.71	3.69	3	Vertical	114	1.65	-
PK	11.48568G	54.36	74.00	-19.64	14.77	3	Vertical	233	2.16	-

Radiation-above 1GHz_Mode 1

29/12/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87626G	42.15	54.00	-11.85	3.70	3	Horizontal	325	2.17	-
AV	11.48237G	44.78	54.00	-9.22	14.77	3	Horizontal	292	1.72	-
PK	4.87674G	56.78	74.00	-17.22	3.70	3	Horizontal	325	2.17	-
PK	11.48169G	55.83	74.00	-18.17	14.77	3	Horizontal	292	1.72	-