FCC Test Report

FCC ID	:	**RYK-WPEQ256ACN**
Equipment	:	**802.11ac/b/g/n Mini PCIe Module**
Brand Name	:	**Sparklan**
Model Name	:	**WPEQ-256ACNRBI, WPEQ-256ACN**
Applicant/ Manufacturer	:	**SparkLAN Communications, Inc. 8F., No. 257, Sec. 2, Tiding Blvd., Neihu District, Taipei City 11493, Taiwan**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Dec. 10, 2018, and testing was started from Dec. 29, 2018 and completed on Jan. 10, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR8D0605AN	01	Initial issue of report	Feb. 21, 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: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
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]
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]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.25-5.35GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

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

1.1.2 Antenna Information

Ant.	Brand	Model	Antenna Type	Connector
1	SparkLAN	AD-103AG	Dipole	I-Pex
2	SparkLAN	AD-301N	Dipole	I-Pex
3	SparkLAN	AD-302N	Dipole	I-Pex
4	SparkLAN	AD-303N	Dipole	I-Pex
5	SparkLAN	AD-305N	Dipole	I-Pex
6	SparkLAN	AD-300N	Dipole	I-Pex

Ant.	Gain (dBi)				
	2.4G	5G			
		U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
1	2.02	2.03			
2	4.4	5.2		**5.8**	
3	3.14	2.87			
4	3.14	3.45			
5	**5**	**5.53**			
6	3	5			

Note 1: EUT can match with above antennas for using. The higher gain (Ant. 2/5) was used to perform the worst configuration and result of that was recorded as the final test result.

For 2.4 GHz function:

For IEEE 802.11b/g/n mode (2TX/2RX)

Ant. 5 could transmit/receive simultaneously.

For 5 GHz function:

For IEEE 802.11a/n/ac mode (2TX/2RX)

U-NII-1/ U-NII-2A

Ant. 5 could transmit/receive simultaneously.

U-NII-2C/ U-NII-3

Ant. 2 could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From Host System			
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	0.997	0.013	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.998	0.009	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.998	0.009	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT80	0.998	0.009	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.1.5 Table for Multiple Listing

Model Name	Description
WPEQ-256ACNRBI	Differences between all models are for different marketing requirement.
WPEQ-256ACN	

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	Daniel	22.1°C / 55%	02/Jan/2019
RF Conducted	TH01-HY	Gary	22.5°C / 63%	10/Jan/2019
Radiated	03CH01-HY	Patrick	24.1°C / 52.3%	08/Jan/2019

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	3.3V

2.2 Test Channel Mode

Test Software Version	ART-GUI 2.3

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	11.5
5200MHz	11
5240MHz	11
5260MHz	17.5
5300MHz	18
5320MHz	17.5
5500MHz	17
5580MHz	18
5700MHz	19
5745MHz	31.5
5785MHz	31.5
5825MHz	31.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	11.5
5200MHz	11
5240MHz	11
5260MHz	18
5300MHz	18.5
5320MHz	18
5500MHz	17
5580MHz	18.5
5700MHz	18.5

Mode	PowerSetting
5745MHz	31.5
5785MHz	31.5
5825MHz	31.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	14
5230MHz	13.5
5270MHz	21.5
5310MHz	16
5510MHz	16
5550MHz	22
5670MHz	22.5
5755MHz	30
5795MHz	31.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	14
5290MHz	15
5530MHz	15
5610MHz	22
5775MHz	27.5

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	Test fixture 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	Test fixture Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT			V

2.4 Support Equipment

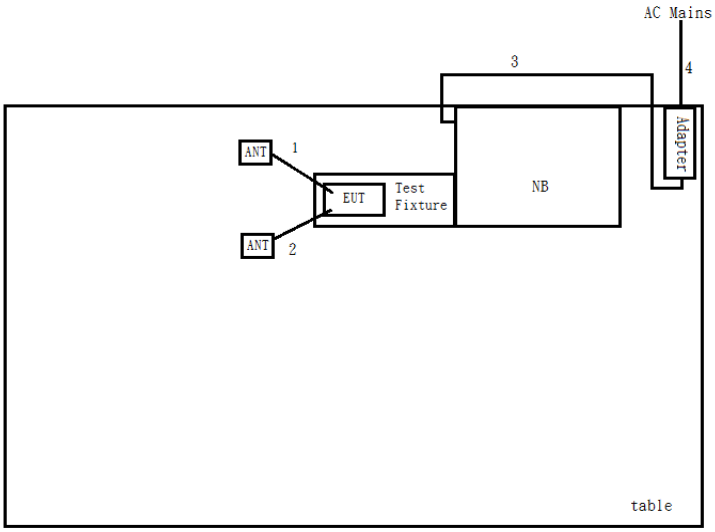
Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DOC
2	Adapter	Dell	AA90PM111	DOC
3	Test fixture	-	-	-

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DOC
2	Adapter	Dell	AA90PM111	DOC
3	Test fixture	-	-	-

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	Dell	PP13S	-
2	AC Adapter	Dell	LA90PM111	-
3	Test Fixture	-	-	-

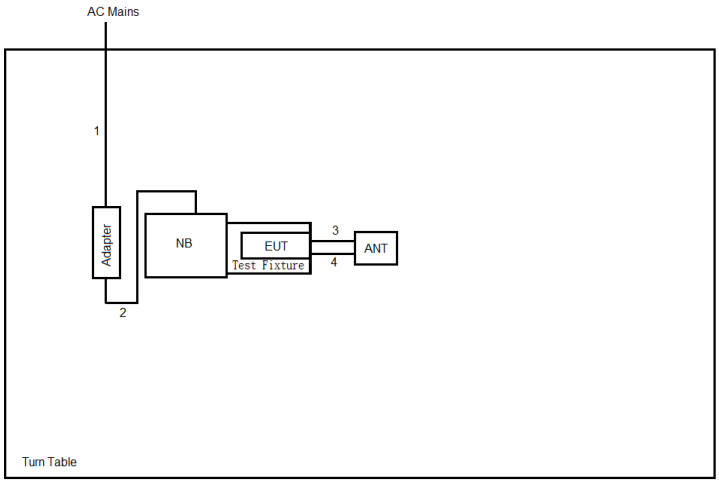
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	RF Cable	No	0.15	-
2	RF Cable	No	0.15	-
3	DC power line	No	1.8	-
4	AC power line	No	1.8	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.8	-
2	DC Power line	No	1.8	-
3	RF Cable	No	0.15	-
4	RF Cable	No	0.15	-

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

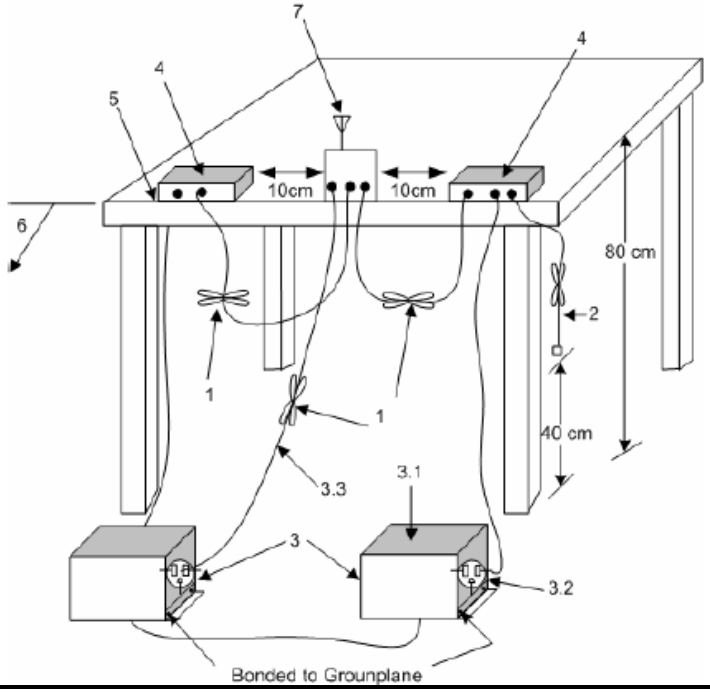
Refer a test equipment and calibration data table in this test report.

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.

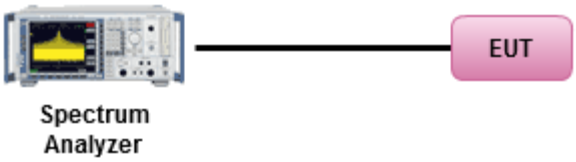
3.2.2 Measuring Instruments

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.	

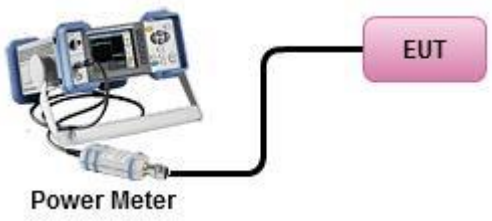
3.3.2 Measuring Instruments

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 (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.	

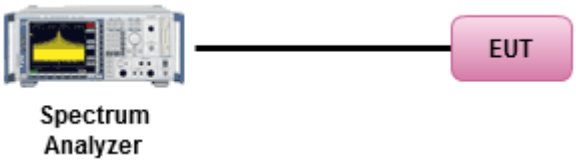
3.4.2 Measuring Instruments

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).	

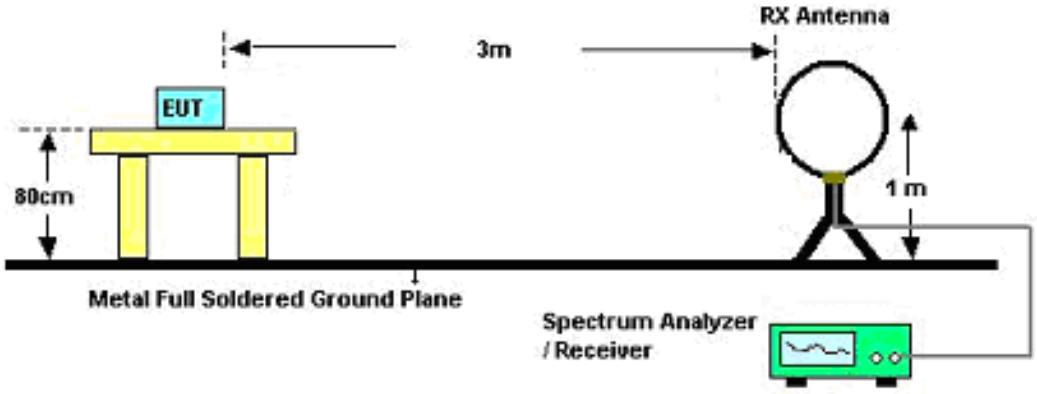
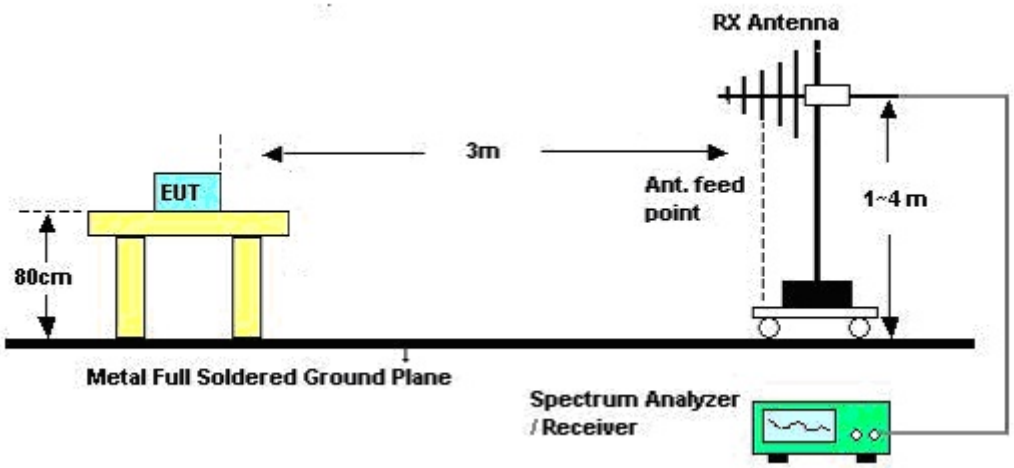
3.5.2 Measuring Instruments

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

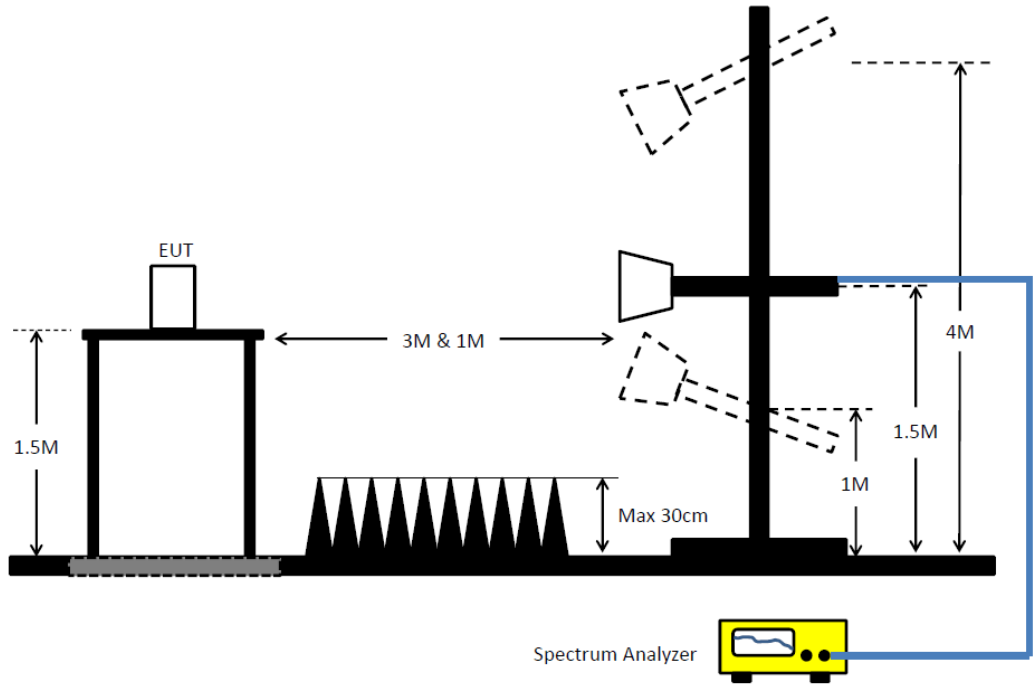
3.5.3 Test Procedures

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 Puls e Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2018	11/Oct/2019

NCR : Non-Calibration Require

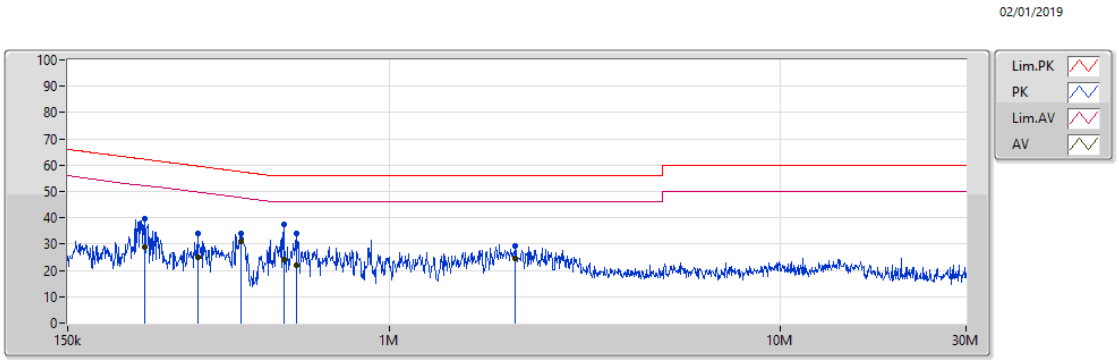
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	05/Feb/2018	04/Feb/2019
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
CABLE 0.2m	HUBER	MY37960/4	RF Cable - 17	1 ~ 18GHz	17/Jan/2018	16/Jan/2019
CABLE 0.2m	HUBER	MY37960/4	RF Cable - 17	30 ~ 1000MHz	17/Jan/2018	16/Jan/2019
CABLE 0.5m	HUBER	MY37963/4	RF Cable - 22	1 ~ 18GHz	17/Jan/2018	16/Jan/2019

Instrument for Radiated Test

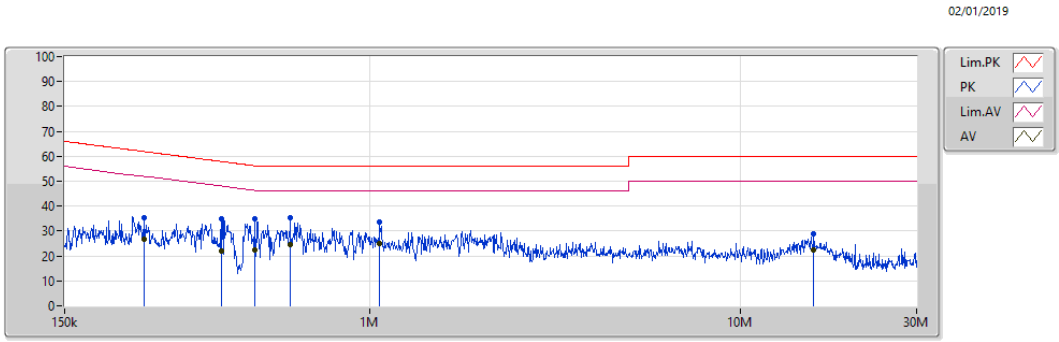
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	25/Oct/2018	24/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	25/Oct/2018	24/Oct/2019
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	27Jul/2018	02/Jul/2019
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	23/Oct/2018	22/Oct/2019
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	10/Aprr/2018	09/Apr/2019
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	19/Jan/2018	18/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	19/Jan/2018	18/Jan/2019
Bilog Antenna	SCHAFFNER	CBL 6112B	2723	30MHz ~ 1GHz	13/Oct/2018	12/Oct/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz ~ 40GHz	12/Mar/2018	11/Mar/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 01543	1GHz ~ 18GHz	11/May/2018	10/May/2019

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Test fixture Mode		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	236.113k	39.63	62.23	-22.60	19.47	Neutral	-	20.16	9.59	0.01	9.87
AV	236.113k	28.92	52.23	-23.31	19.47	Neutral	-	9.45	9.59	0.01	9.87
QP	323.33k	33.86	59.61	-25.75	19.48	Neutral	-	14.38	9.59	0.01	9.88
AV	323.33k	25.21	49.61	-24.40	19.48	Neutral	-	5.73	9.59	0.01	9.88
QP	416.292k	34.04	57.53	-23.49	19.48	Neutral	-	14.56	9.59	0.01	9.88
AV	416.292k	31.14	47.53	-16.39	19.48	Neutral	"Worst"	11.66	9.59	0.01	9.88
QP	536.808k	37.49	56.00	-18.51	19.48	Neutral	-	18.01	9.59	0.01	9.88
AV	536.808k	23.93	46.00	-22.07	19.48	Neutral	-	4.45	9.59	0.01	9.88
QP	578.211k	33.91	56.00	-22.09	19.48	Neutral	-	14.43	9.59	0.01	9.88
AV	578.211k	22.06	46.00	-23.94	19.48	Neutral	-	2.58	9.59	0.01	9.88
QP	2.098M	29.34	56.00	-26.66	19.53	Neutral	-	9.81	9.61	0.03	9.89
AV	2.098M	24.36	46.00	-21.64	19.53	Neutral	-	4.83	9.61	0.03	9.89

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Test fixture Mode		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	246.092k	35.29	61.89	-26.60	19.48	Line	-	15.81	9.60	0.01	9.87
AV	246.092k	26.54	51.89	-25.35	19.48	Line	-	7.06	9.60	0.01	9.87
QP	398.819k	34.87	57.87	-23.00	19.48	Line	-	15.39	9.59	0.01	9.88
AV	398.819k	21.77	47.87	-26.10	19.48	Line	-	2.29	9.59	0.01	9.88
QP	491.013k	34.82	56.15	-21.33	19.48	Line	-	15.34	9.59	0.01	9.88
AV	491.013k	22.30	46.15	-23.85	19.48	Line	-	2.82	9.59	0.01	9.88
QP	611.986k	35.28	56.00	-20.72	19.48	Line	"Worst"	15.80	9.59	0.01	9.88
AV	611.986k	24.56	46.00	-21.44	19.48	Line	-	5.08	9.59	0.01	9.88
QP	1.064M	33.68	56.00	-22.32	19.50	Line	-	14.18	9.60	0.02	9.88
AV	1.064M	24.95	46.00	-21.05	19.50	Line	-	5.45	9.60	0.02	9.88
QP	15.748M	28.77	60.00	-31.23	19.63	Line	-	9.14	9.64	0.09	9.90
AV	15.748M	22.58	50.00	-27.42	19.63	Line	-	2.95	9.64	0.09	9.90

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.8M	16.567M	16M6D1D	22.1M	16.517M
802.11ac VHT20_Nss1,(MCS0)_2TX	24.175M	17.766M	17M8D1D	23.1M	17.691M
802.11ac VHT40_Nss1,(MCS0)_2TX	46.15M	36.282M	36M3D1D	45.1M	36.232M
802.11ac VHT80_Nss1,(MCS0)_2TX	91.3M	75.962M	76M0D1D	90.3M	75.762M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	29.35M	16.742M	16M7D1D	25.75M	16.592M
802.11ac VHT20_Nss1,(MCS0)_2TX	32.675M	17.941M	17M9D1D	28.625M	17.766M
802.11ac VHT40_Nss1,(MCS0)_2TX	89.2M	37.331M	37M3D1D	45.5M	36.282M
802.11ac VHT80_Nss1,(MCS0)_2TX	90.3M	75.962M	76M0D1D	86.5M	75.862M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	29.6M	16.692M	16M7D1D	24.725M	16.517M
802.11ac VHT20_Nss1,(MCS0)_2TX	31.3M	17.916M	17M9D1D	24.975M	17.716M
802.11ac VHT40_Nss1,(MCS0)_2TX	82.15M	36.732M	36M7D1D	45.2M	36.182M
802.11ac VHT80_Nss1,(MCS0)_2TX	175.1M	78.261M	78M3D1D	88.7M	75.862M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.525M	31.984M	32M0D1D	16.275M	30.31M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.75M	33.208M	33M2D1D	16.3M	31.584M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.5M	64.268M	64M3D1D	36.4M	57.971M
802.11ac VHT80_Nss1,(MCS0)_2TX	76.5M	102.649M	103MD1D	76.3M	94.753M

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

Result

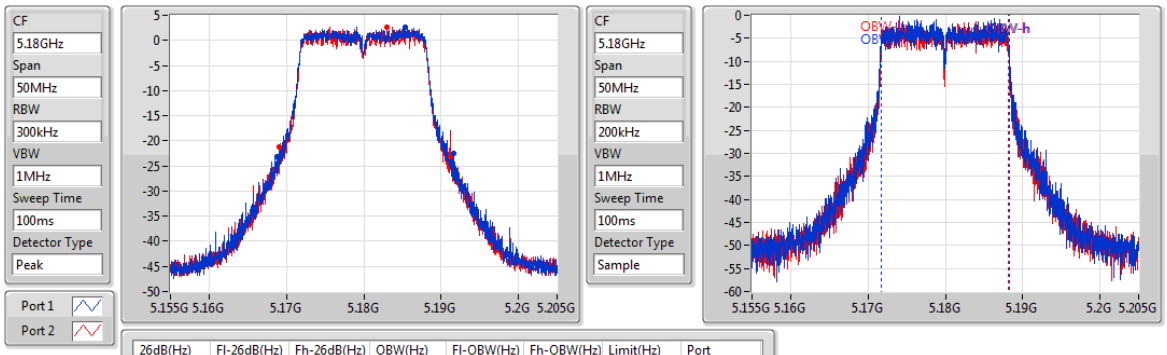
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	22.8M	16.567M	22.1M	16.517M
5200MHz	Pass	Inf	22.5M	16.542M	22.1M	16.542M
5240MHz	Pass	Inf	22.75M	16.517M	22.625M	16.517M
5260MHz	Pass	Inf	26.025M	16.592M	28.6M	16.692M
5300MHz	Pass	Inf	27.325M	16.617M	29.35M	16.742M
5320MHz	Pass	Inf	25.75M	16.667M	29.2M	16.717M
5500MHz	Pass	Inf	25.625M	16.567M	24.725M	16.592M
5580MHz	Pass	Inf	29.6M	16.692M	25.95M	16.667M
5700MHz	Pass	Inf	28.75M	16.592M	24.95M	16.517M
5745MHz	Pass	500k	16.425M	31.259M	16.5M	30.31M
5785MHz	Pass	500k	16.525M	31.984M	16.275M	30.635M
5825MHz	Pass	500k	16.4M	31.009M	16.35M	30.36M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	23.45M	17.691M	23.1M	17.691M
5200MHz	Pass	Inf	24.075M	17.766M	23.475M	17.691M
5240MHz	Pass	Inf	24.175M	17.691M	23.825M	17.741M
5260MHz	Pass	Inf	28.625M	17.791M	31.45M	17.841M
5300MHz	Pass	Inf	29.125M	17.866M	31.875M	17.891M
5320MHz	Pass	Inf	29.25M	17.766M	32.675M	17.941M
5500MHz	Pass	Inf	26.75M	17.816M	25.975M	17.791M
5580MHz	Pass	Inf	31.3M	17.916M	27.65M	17.816M
5700MHz	Pass	Inf	28.35M	17.816M	24.975M	17.716M
5745MHz	Pass	500k	17.75M	32.984M	17.75M	31.584M
5785MHz	Pass	500k	16.3M	33.208M	17.675M	32.209M
5825MHz	Pass	500k	17.725M	32.509M	17.5M	31.784M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	45.2M	36.282M	46.15M	36.282M
5230MHz	Pass	Inf	45.85M	36.232M	45.1M	36.282M
5270MHz	Pass	Inf	89.2M	37.331M	85.15M	37.031M
5310MHz	Pass	Inf	46.95M	36.282M	45.5M	36.282M
5510MHz	Pass	Inf	45.2M	36.332M	45.4M	36.182M
5550MHz	Pass	Inf	80.9M	36.732M	74.45M	36.682M
5670MHz	Pass	Inf	80.85M	36.632M	82.15M	36.682M
5755MHz	Pass	500k	36.45M	58.771M	36.5M	57.971M
5795MHz	Pass	500k	36.4M	64.268M	36.45M	60.87M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	90.3M	75.762M	91.3M	75.962M
5290MHz	Pass	Inf	86.5M	75.862M	90.3M	75.962M
5530MHz	Pass	Inf	90M	75.962M	88.7M	75.862M
5610MHz	Pass	Inf	175.1M	78.261M	165.2M	76.462M
5775MHz	Pass	500k	76.5M	102.649M	76.3M	94.753M

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

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

5180MHz

02/01/2019

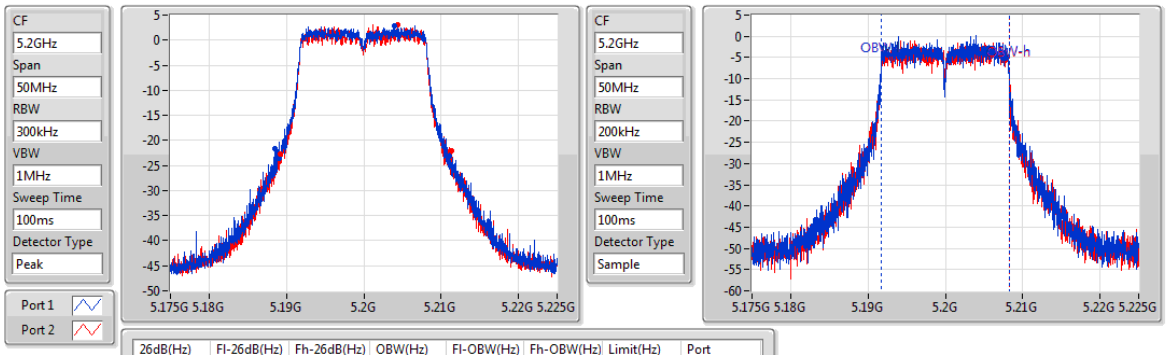


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.8M	5.1688G	5.1916G	16.567M	5.171654G	5.188221G	Inf	1
22.1M	5.1691G	5.1912G	16.517M	5.171679G	5.188196G	Inf	2

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

5200MHz

02/01/2019

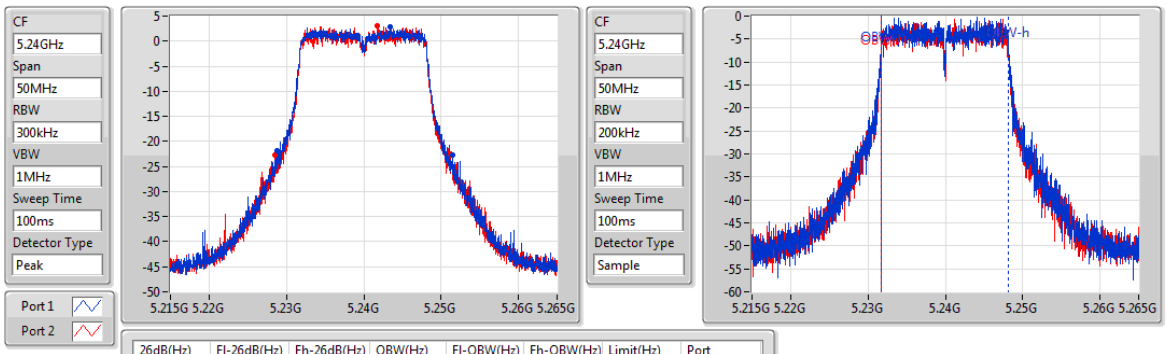


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.5M	5.188575G	5.211075G	16.542M	5.191679G	5.208221G	Inf	1
22.1M	5.189275G	5.211375G	16.542M	5.191679G	5.208221G	Inf	2

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

5240MHz

02/01/2019



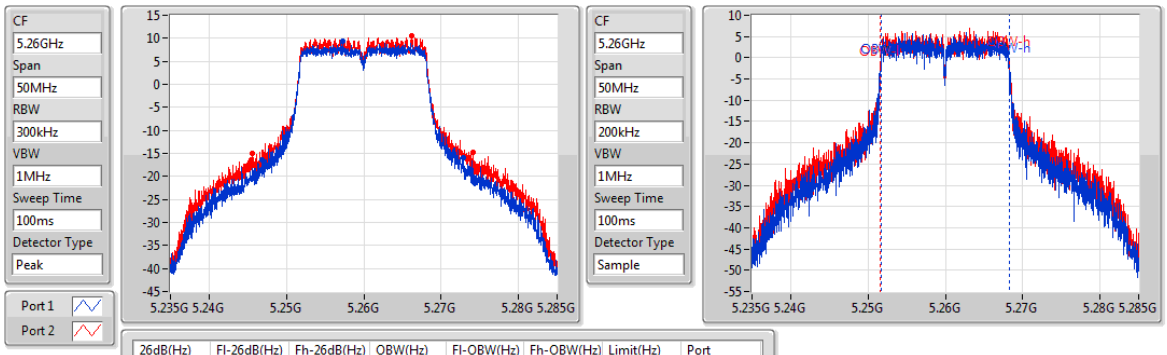
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.75M	5.228725G	5.251475G	16.517M	5.231679G	5.248196G	Inf	1
22.625M	5.228575G	5.2512G	16.517M	5.231679G	5.248196G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

02/01/2019



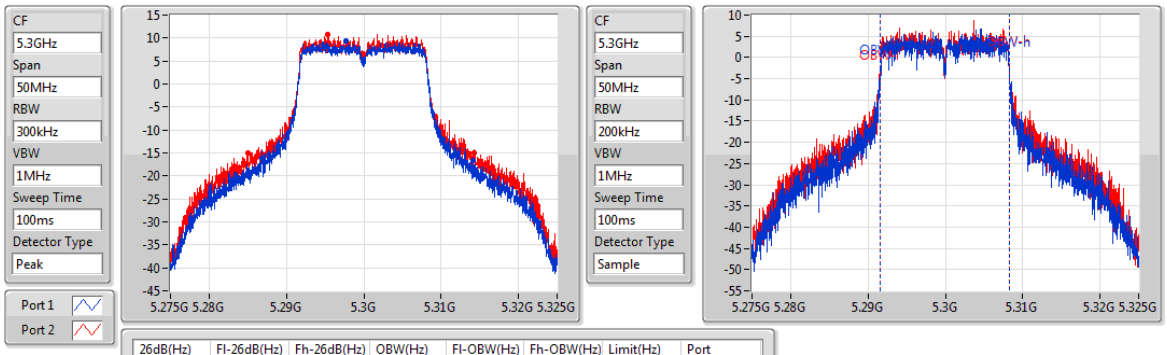
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.025M	5.246875G	5.2729G	16.592M	5.251654G	5.268246G	Inf	1
28.6M	5.2456G	5.2742G	16.692M	5.251604G	5.268296G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

02/01/2019



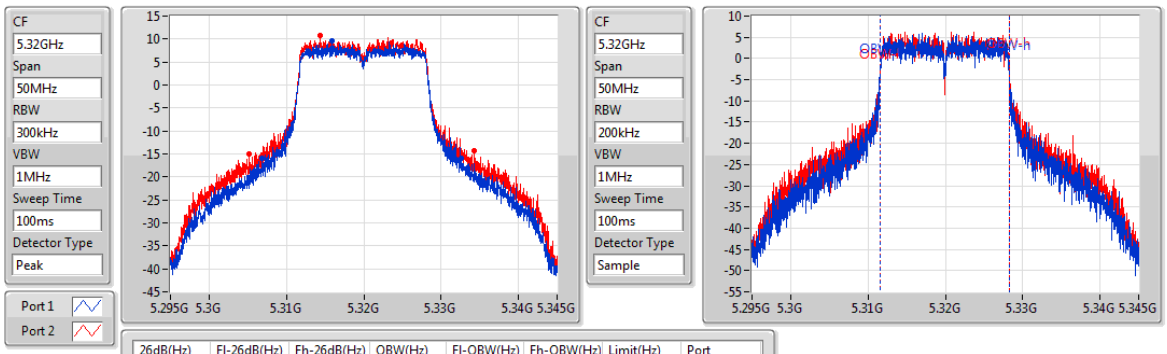
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.325M	5.286775G	5.3141G	16.617M	5.291629G	5.308246G	Inf	1
29.35M	5.284975G	5.314325G	16.742M	5.291554G	5.308296G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

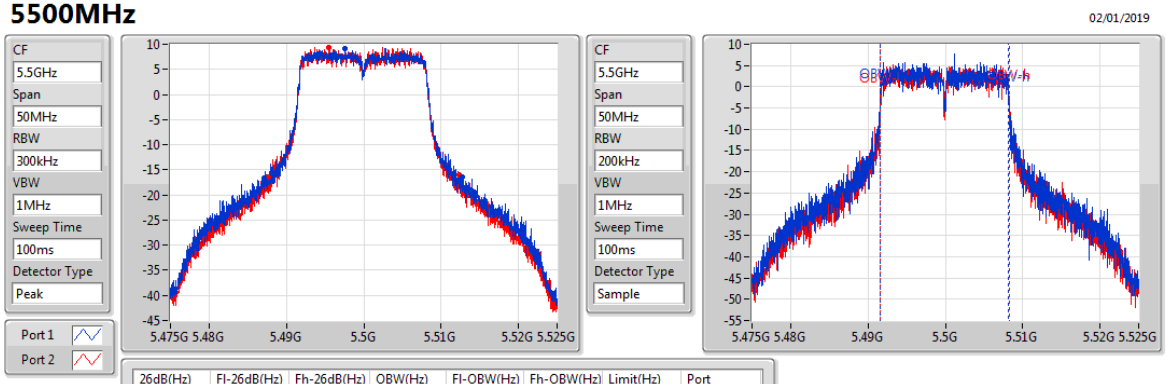
02/01/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.75M	5.306875G	5.332625G	16.667M	5.311579G	5.328246G	Inf	1
29.2M	5.305125G	5.334325G	16.717M	5.311579G	5.328296G	Inf	2

802.11a_Nss1,(6Mbps)_2TX — EBW

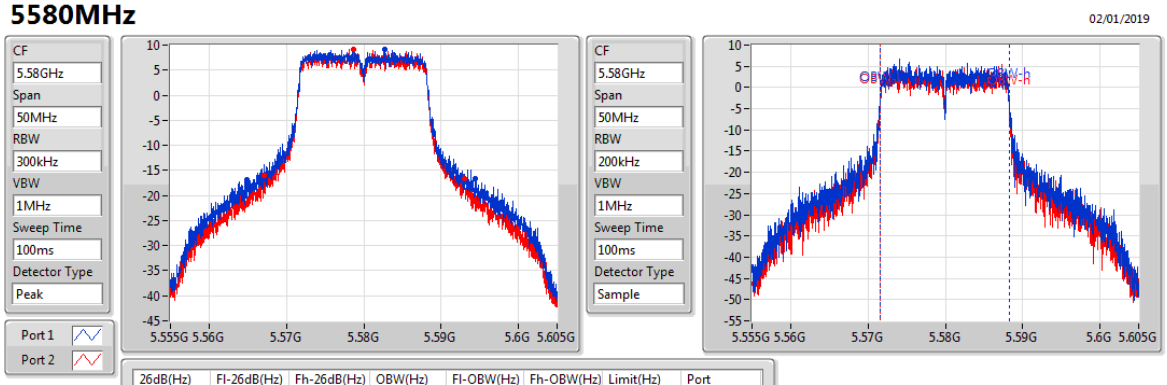
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.625M	5.48715G	5.512775G	16.567M	5.491629G	5.508196G	Inf	1
24.725M	5.487625G	5.51235G	16.592M	5.491629G	5.508221G	Inf	2

802.11a_Nss1,(6Mbps)_2TX — EBW

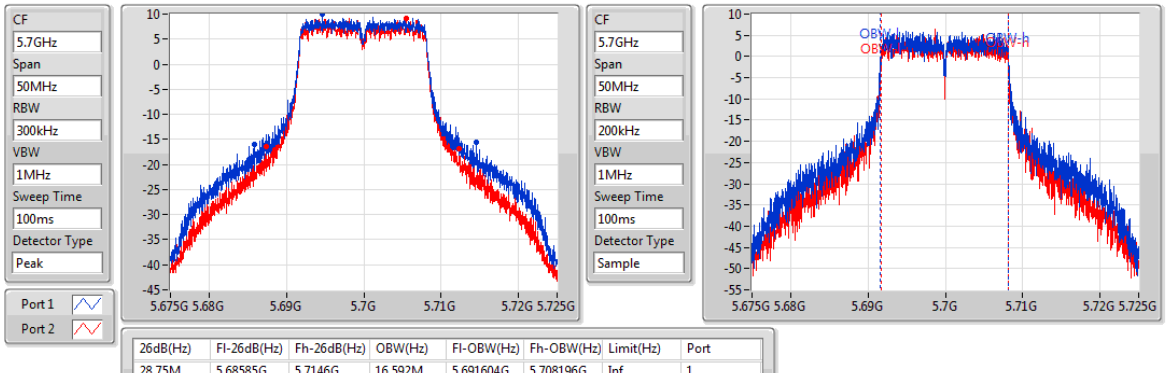
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.6M	5.564825G	5.594425G	16.692M	5.571554G	5.588246G	Inf	1
25.95M	5.567125G	5.593075G	16.667M	5.571554G	5.588221G	Inf	2

802.11a_Nss1,(6Mbps)_2TX — EBW

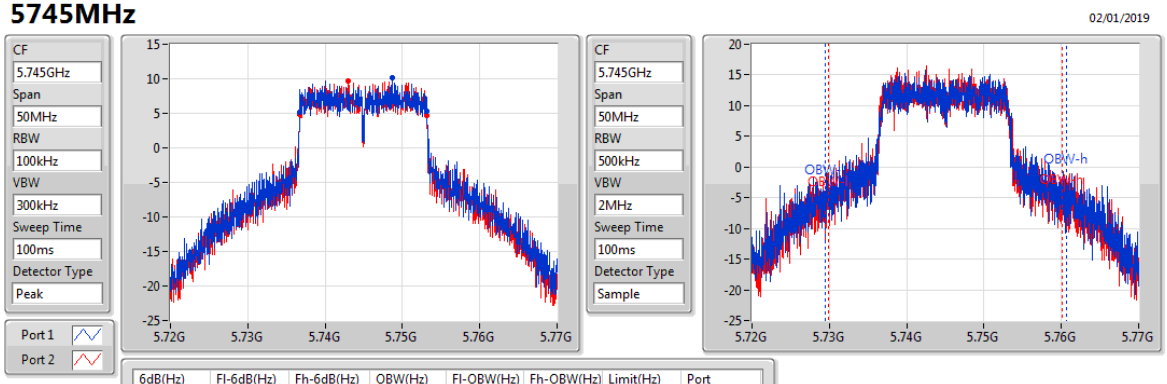
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.75M	5.68585G	5.7146G	16.592M	5.691604G	5.708196G	Inf	1
24.95M	5.6874G	5.71235G	16.517M	5.691654G	5.708171G	Inf	2

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

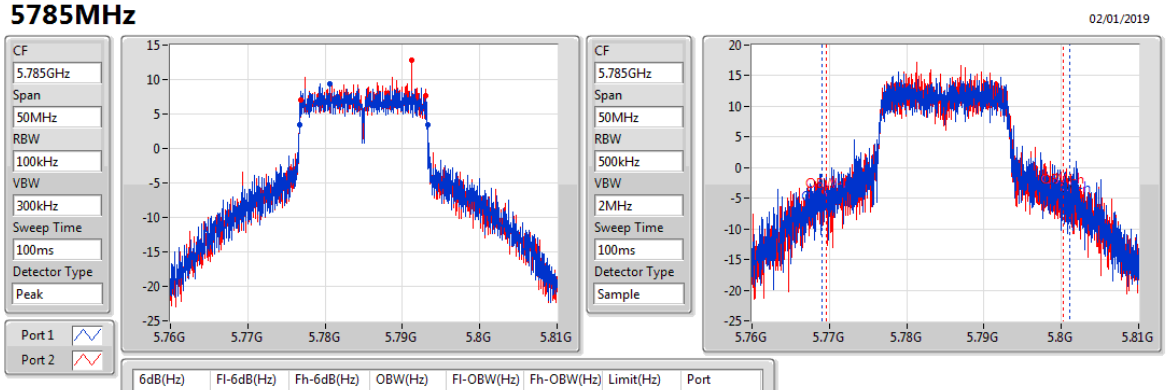
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.425M	5.736725G	5.75315G	31.259M	5.729408G	5.760667G	500k	1
16.5M	5.736675G	5.753175G	30.31M	5.729858G	5.760167G	500k	2

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

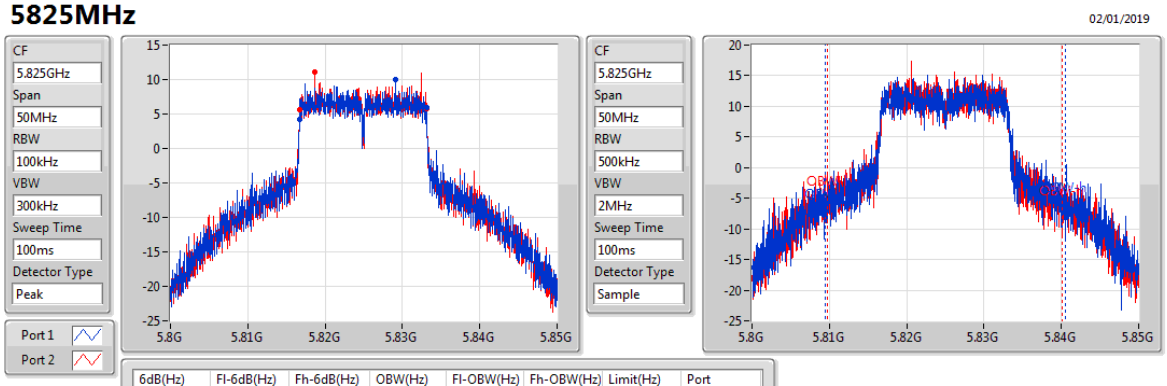
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	5.7767G	5.793225G	31.984M	5.769108G	5.801092G	500k	1
16.275M	5.7768G	5.793075G	30.635M	5.769658G	5.800292G	500k	2

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

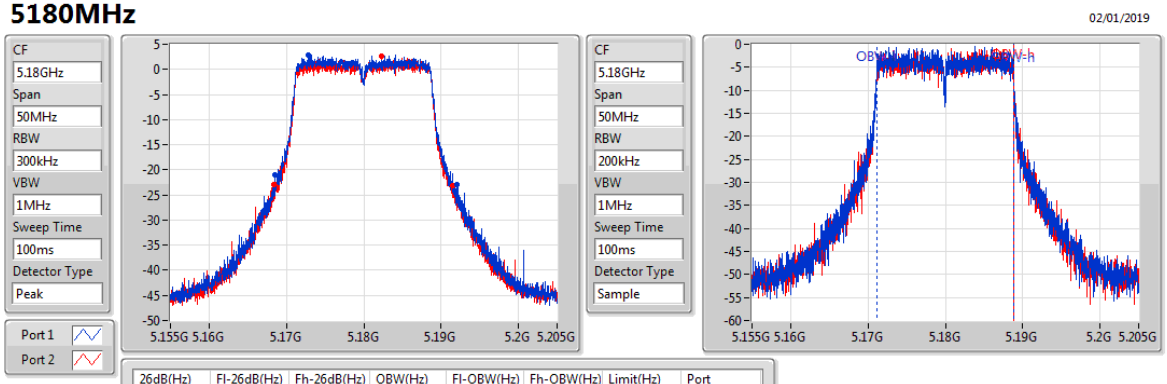
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.4M	5.8167G	5.8331G	31.009M	5.809483G	5.840492G	500k	1
16.35M	5.81675G	5.8331G	30.36M	5.809708G	5.840067G	500k	2

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

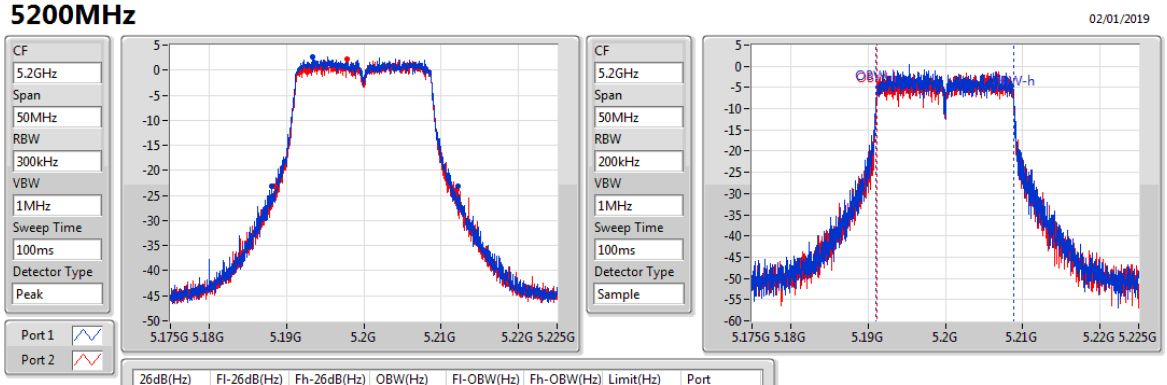
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.45M	5.16855G	5.192G	17.691M	5.171104G	5.188796G	Inf	1
23.1M	5.168425G	5.191525G	17.691M	5.171104G	5.188796G	Inf	2

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

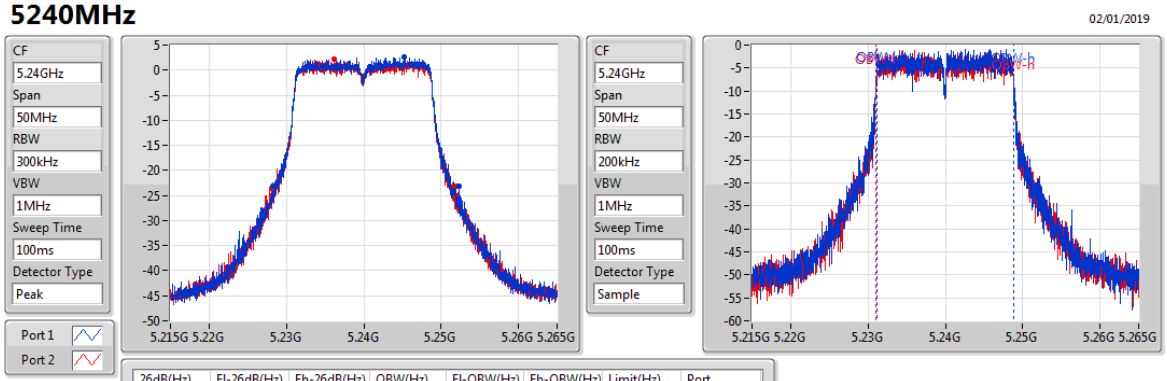
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.075M	5.1881G	5.212175G	17.766M	5.191054G	5.208821G	Inf	1
23.475M	5.188525G	5.212G	17.691M	5.191104G	5.208796G	Inf	2

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

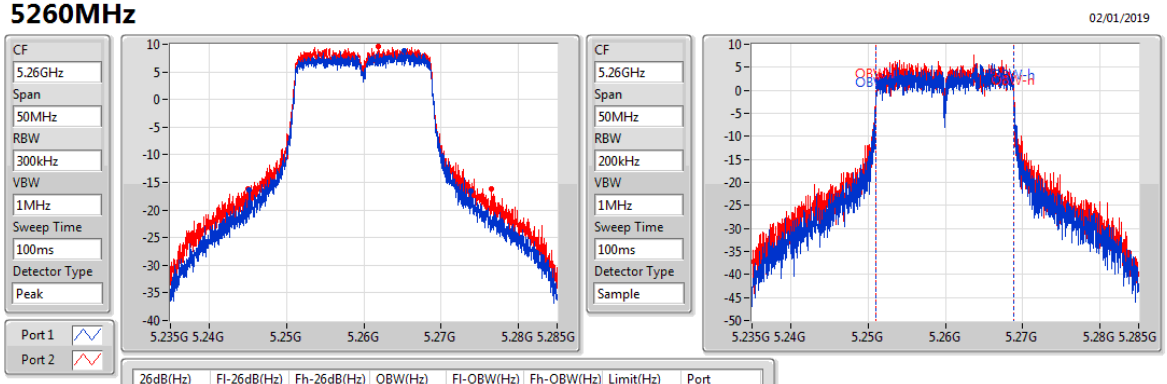
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.175M	5.228175G	5.25235G	17.691M	5.231104G	5.248796G	Inf	1
23.825M	5.2281G	5.251925G	17.741M	5.231079G	5.248821G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

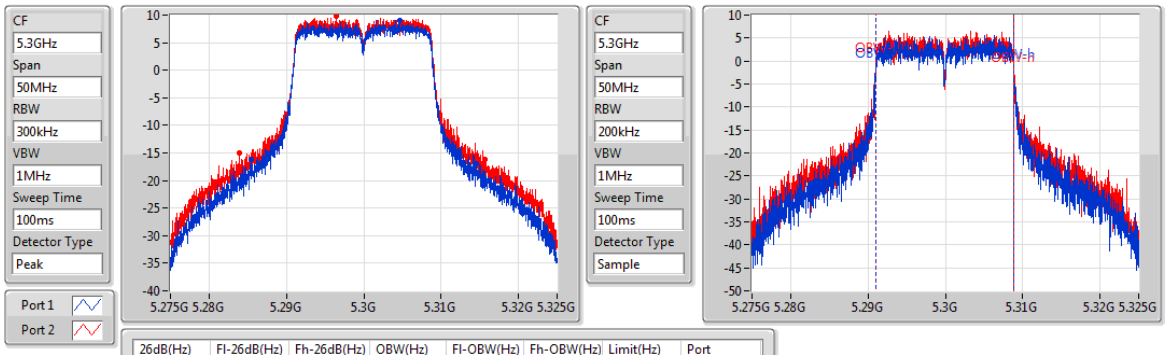
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.625M	5.245225G	5.27385G	17.791M	5.251029G	5.268821G	Inf	1
31.45M	5.24505G	5.2765G	17.841M	5.251004G	5.268846G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

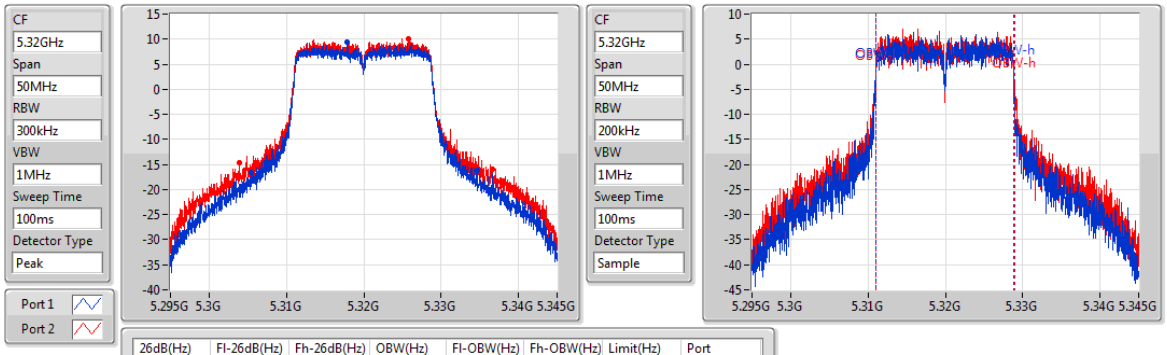
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.125M	5.285425G	5.31455G	17.866M	5.29098G	5.308846G	Inf	1
31.875M	5.28385G	5.315725G	17.891M	5.291004G	5.308896G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5320MHz



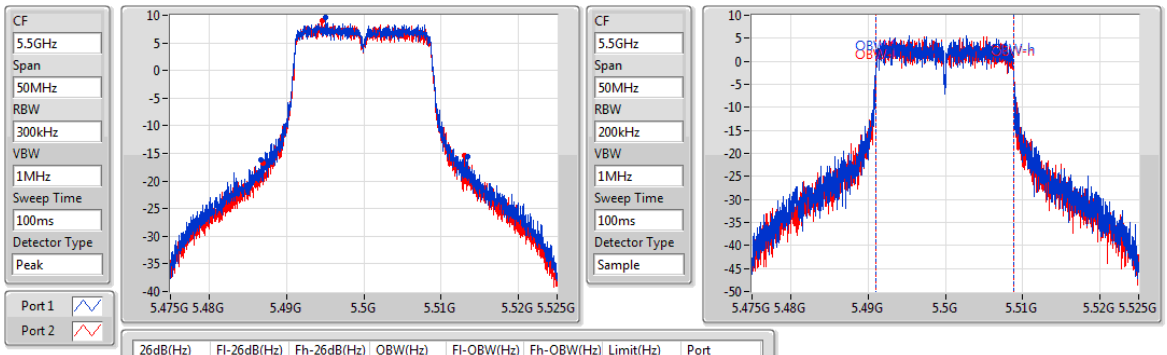
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.25M	5.3054G	5.33465G	17.766M	5.311029G	5.328796G	Inf	1
32.675M	5.3039G	5.336575G	17.941M	5.31098G	5.328921G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5500MHz

02/01/2019



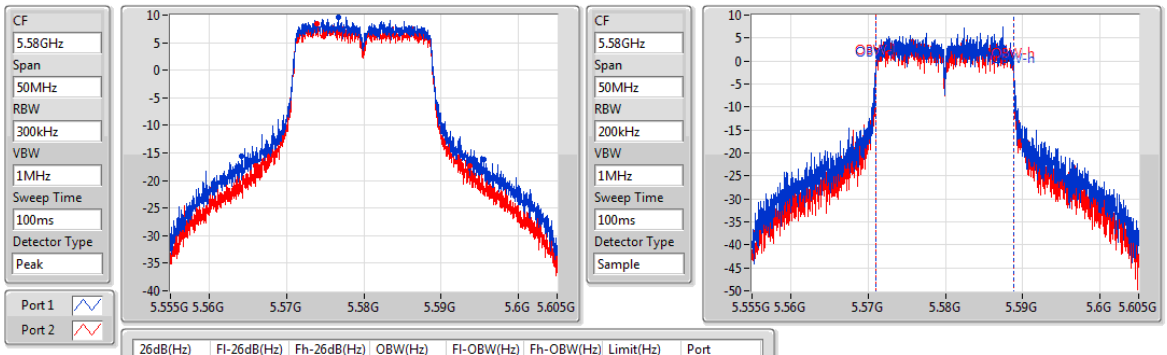
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.75M	5.4867G	5.51345G	17.816M	5.49098G	5.508796G	Inf	1
25.975M	5.487025G	5.513G	17.791M	5.491029G	5.508821G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5580MHz

02/01/2019



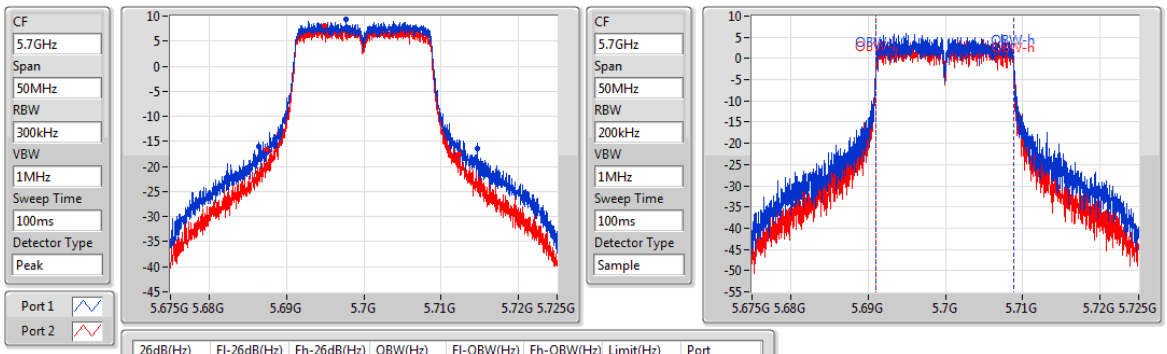
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.3M	5.56425G	5.59555G	17.916M	5.570955G	5.588871G	Inf	1
27.65M	5.56605G	5.5937G	17.816M	5.57098G	5.588796G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5700MHz

02/01/2019

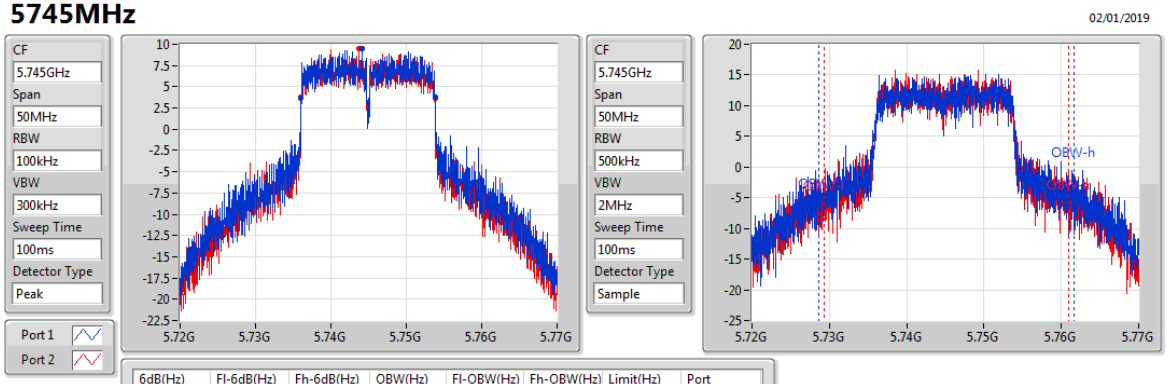


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.35M	5.6864G	5.71475G	17.816M	5.691029G	5.708846G	Inf	1
24.975M	5.6874G	5.712375G	17.716M	5.691079G	5.708796G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

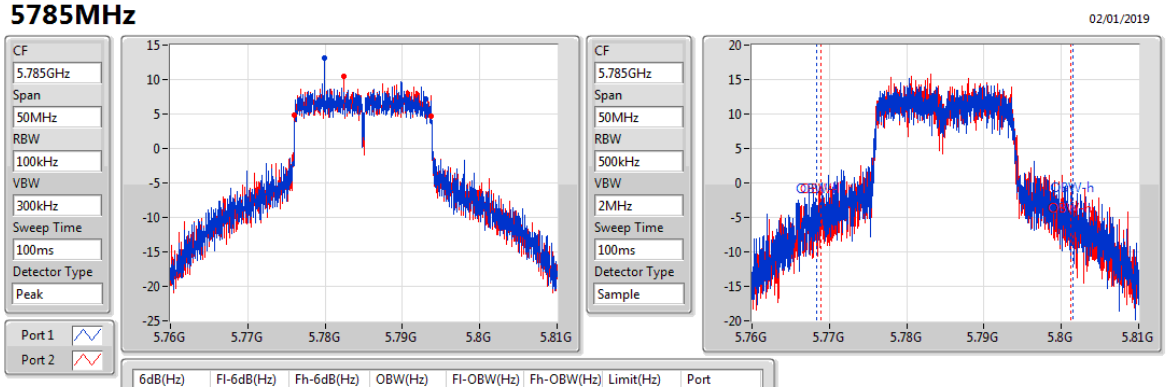


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.75M	5.73605G	5.7538G	32.984M	5.728608G	5.761592G	500k	1
17.75M	5.73605G	5.7538G	31.584M	5.729358G	5.760942G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5785MHz

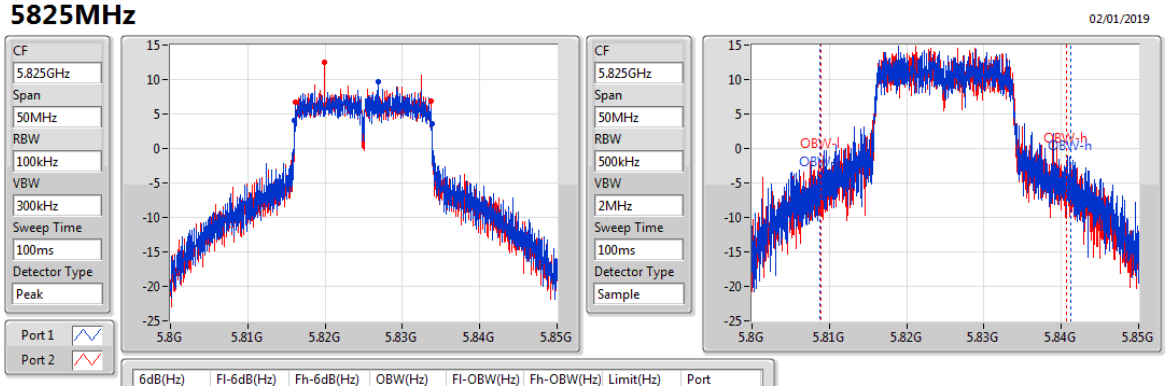


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.776775G	5.793075G	33.208M	5.768308G	5.801517G	500k	1
17.675M	5.776075G	5.79375G	32.209M	5.768958G	5.801167G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

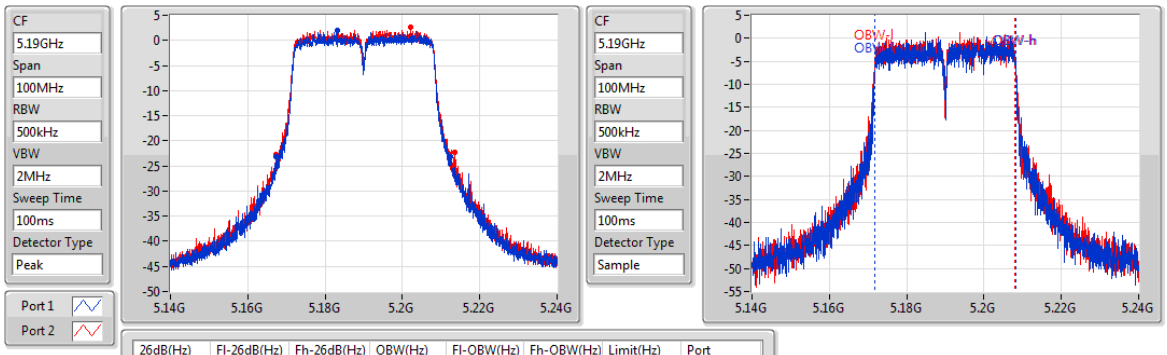
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.725M	5.816075G	5.8338G	32.509M	5.808758G	5.841267G	500k	1
17.5M	5.816175G	5.833675G	31.784M	5.808908G	5.840692G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5190MHz

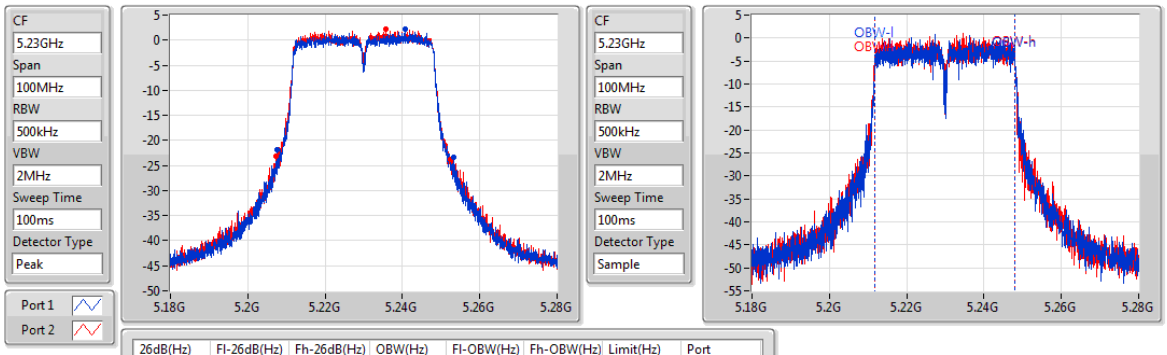
07/01/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.2M	5.16725G	5.21245G	36.282M	5.171859G	5.208141G	Inf	1
46.15M	5.1674G	5.21355G	36.282M	5.171809G	5.208091G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5230MHz

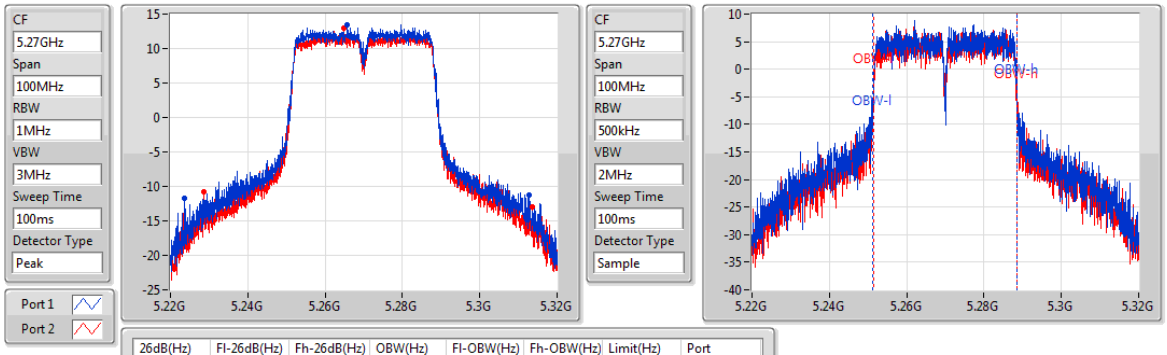
07/01/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.85M	5.2075G	5.25335G	36.232M	5.211859G	5.248091G	Inf	1
45.1M	5.20725G	5.25235G	36.282M	5.211809G	5.248091G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5270MHz

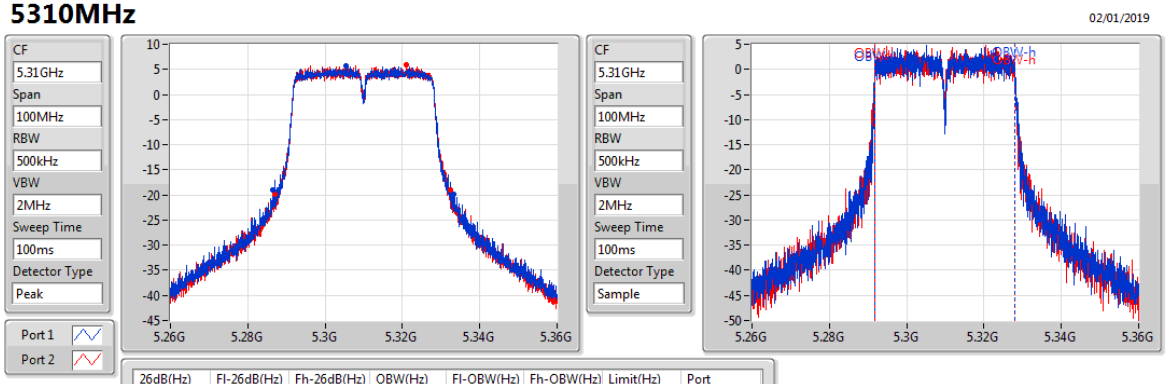
07/01/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
89.2M	5.22365G	5.31285G	37.331M	5.251259G	5.288591G	Inf	1
85.15M	5.22855G	5.3137G	37.031M	5.251459G	5.288491G	Inf	2

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

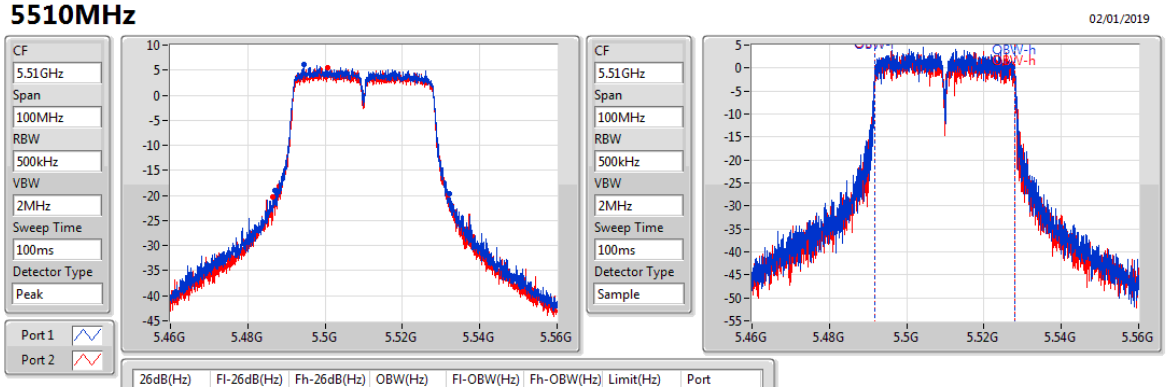
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
46.95M	5.2864G	5.33335G	36.282M	5.291809G	5.328091G	Inf	1
45.5M	5.2869G	5.3324G	36.282M	5.291759G	5.328041G	Inf	2

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

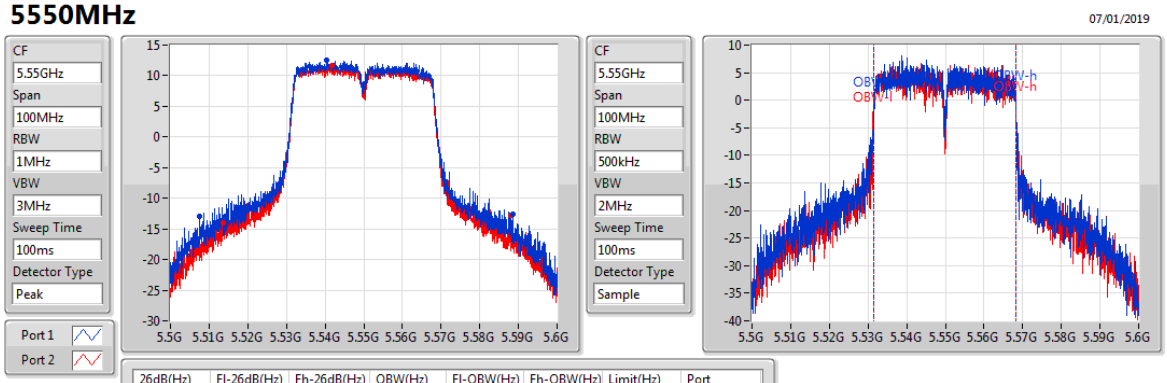
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.2M	5.48695G	5.53215G	36.332M	5.491709G	5.528041G	Inf	1
45.4M	5.4864G	5.5318G	36.182M	5.491809G	5.527991G	Inf	2

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

5550MHz

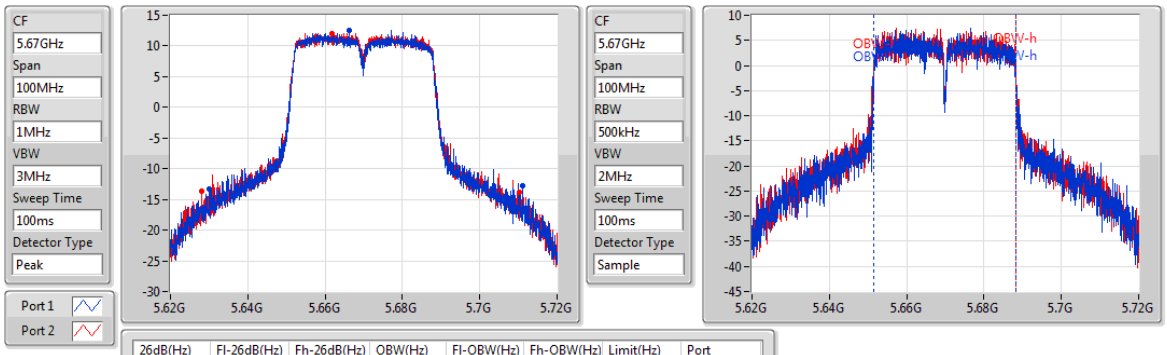


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.9M	5.50755G	5.58845G	36.732M	5.531459G	5.568191G	Inf	1
74.45M	5.51355G	5.588G	36.682M	5.531509G	5.568191G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5670MHz

07/01/2019

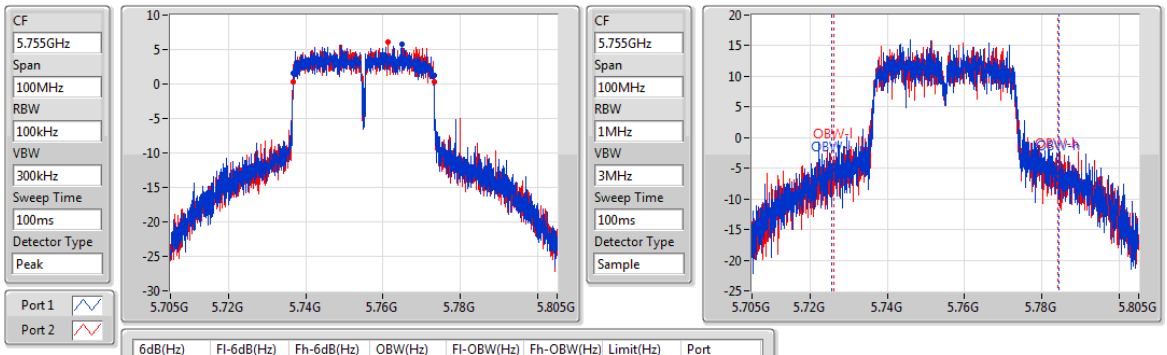


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.85M	5.63015G	5.711G	36.632M	5.651559G	5.688191G	Inf	1
82.15M	5.6281G	5.71025G	36.682M	5.651559G	5.688241G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

02/01/2019

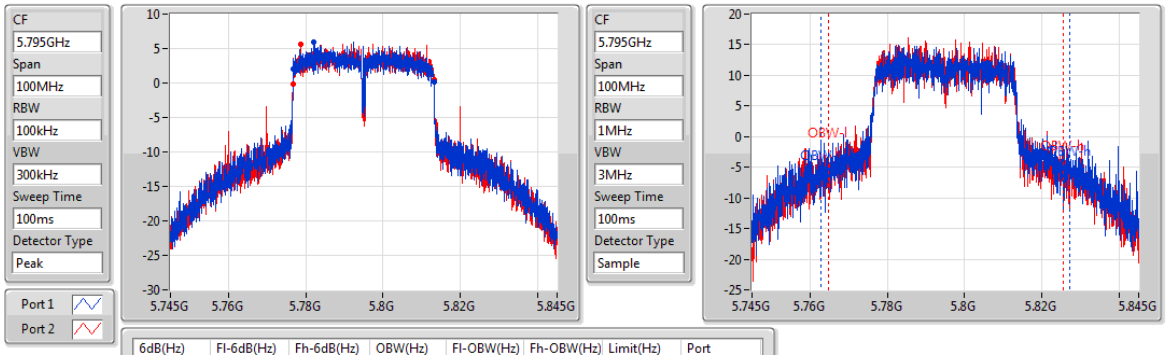


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.45M	5.73675G	5.7732G	58.771M	5.725515G	5.784285G	500k	1
36.5M	5.73665G	5.77315G	57.971M	5.726114G	5.784085G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5795MHz

02/01/2019

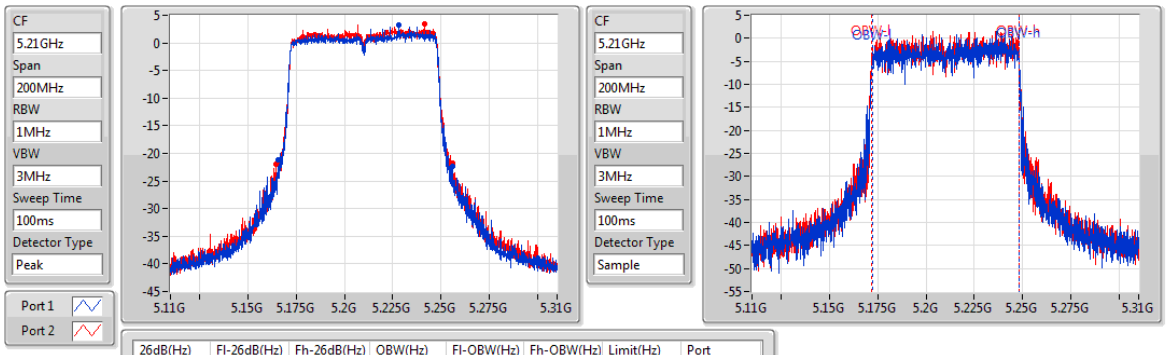


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.4M	5.77675G	5.81315G	64.268M	5.762916G	5.827184G	500k	1
36.45M	5.7767G	5.81315G	60.87M	5.764665G	5.825535G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

07/01/2019

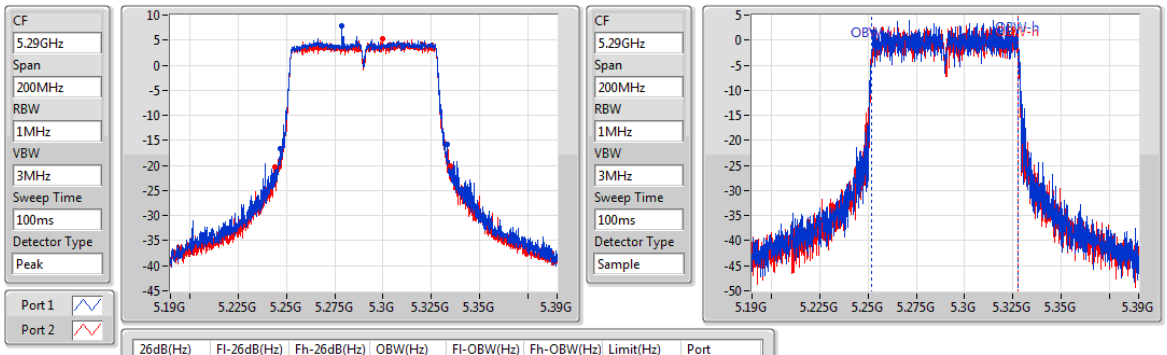


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
90.3M	5.1655G	5.2558G	75.762M	5.172219G	5.247981G	Inf	1
91.3M	5.1648G	5.2561G	75.962M	5.172019G	5.247981G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5290MHz

02/01/2019

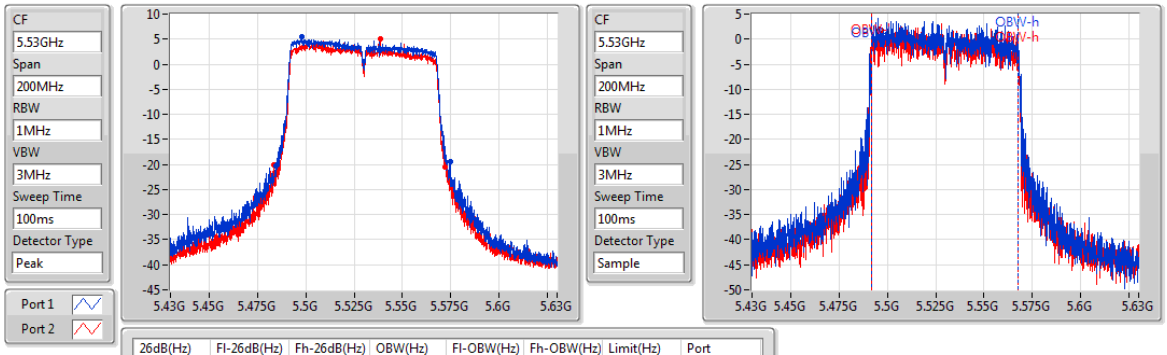


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
86.5M	5.2468G	5.3333G	75.862M	5.252019G	5.327881G	Inf	1
90.3M	5.2443G	5.3346G	75.962M	5.251919G	5.327881G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5530MHz

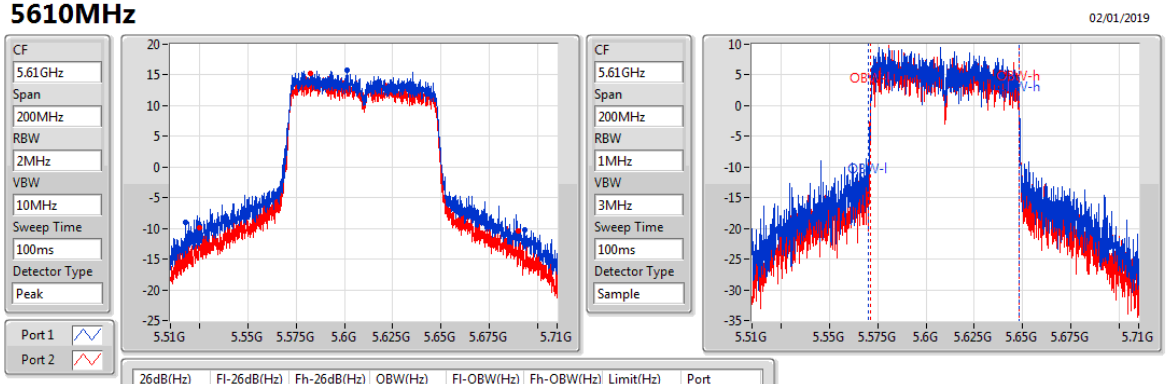
02/01/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
90M	5.4848G	5.5748G	75.962M	5.491819G	5.567781G	Inf	1
88.7M	5.4836G	5.5723G	75.862M	5.491719G	5.567581G	Inf	2

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

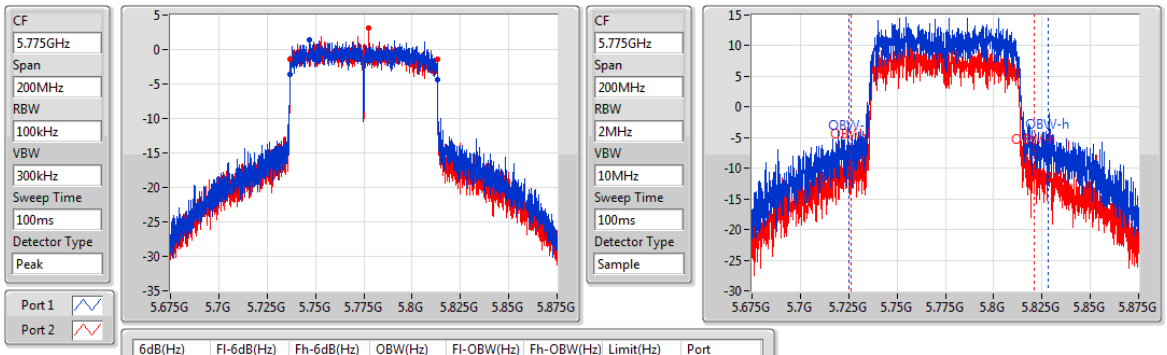
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
175.1M	5.518G	5.6931G	78.261M	5.57012G	5.648381G	Inf	1
165.2M	5.525G	5.6902G	76.462M	5.571519G	5.647981G	Inf	2

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

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.5M	5.7367G	5.8132G	102.649M	5.725325G	5.827974G	500k	1
76.3M	5.7368G	5.8131G	94.753M	5.726324G	5.821077G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	14.13	0.02588	19.66	0.09247
802.11ac VHT20_Nss1,(MCS0)_2TX	14.24	0.02655	19.77	0.09484
802.11ac VHT40_Nss1,(MCS0)_2TX	15.46	0.03516	20.99	0.12560
802.11ac VHT80_Nss1,(MCS0)_2TX	15.42	0.03483	20.95	0.12445
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.08	0.12823	26.61	0.45814
802.11ac VHT20_Nss1,(MCS0)_2TX	21.19	0.13152	26.72	0.46989
802.11ac VHT40_Nss1,(MCS0)_2TX	22.42	0.17458	27.95	0.62373
802.11ac VHT80_Nss1,(MCS0)_2TX	16.98	0.04989	22.51	0.17824
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.79	0.11995	26.59	0.45604
802.11ac VHT20_Nss1,(MCS0)_2TX	20.79	0.11995	26.59	0.45604
802.11ac VHT40_Nss1,(MCS0)_2TX	22.17	0.16482	27.97	0.62661
802.11ac VHT80_Nss1,(MCS0)_2TX	22.05	0.16032	27.85	0.60954
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	25.82	0.38194	31.62	1.45211
802.11ac VHT20_Nss1,(MCS0)_2TX	25.81	0.38107	31.61	1.44877
802.11ac VHT40_Nss1,(MCS0)_2TX	25.49	0.35400	31.29	1.34586
802.11ac VHT80_Nss1,(MCS0)_2TX	24.40	0.27542	30.20	1.04713

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.53	11.36	10.86	14.13	24.00	19.66	30.00
5200MHz	Pass	5.53	11.41	10.50	13.99	24.00	19.52	30.00
5240MHz	Pass	5.53	11.26	10.69	13.99	24.00	19.52	30.00
5260MHz	Pass	5.53	17.50	18.20	20.87	24.00	26.40	30.00
5300MHz	Pass	5.53	17.74	18.38	21.08	24.00	26.61	30.00
5320MHz	Pass	5.53	17.35	18.07	20.74	24.00	26.27	30.00
5500MHz	Pass	5.80	17.92	17.64	20.79	24.00	26.59	30.00
5580MHz	Pass	5.80	17.87	17.14	20.53	24.00	26.33	30.00
5700MHz	Pass	5.80	18.08	17.25	20.70	24.00	26.50	30.00
5745MHz	Pass	5.80	22.84	22.78	25.82	30.00	31.62	36.00
5785MHz	Pass	5.80	22.61	22.75	25.69	30.00	31.49	36.00
5825MHz	Pass	5.80	22.24	22.29	25.28	30.00	31.08	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.53	11.65	10.76	14.24	24.00	19.77	30.00
5200MHz	Pass	5.53	11.25	10.56	13.93	24.00	19.46	30.00
5240MHz	Pass	5.53	11.22	10.50	13.89	24.00	19.42	30.00
5260MHz	Pass	5.53	17.68	18.41	21.07	24.00	26.60	30.00
5300MHz	Pass	5.53	17.75	18.57	21.19	24.00	26.72	30.00
5320MHz	Pass	5.53	17.68	18.40	21.07	24.00	26.60	30.00
5500MHz	Pass	5.80	17.76	17.50	20.64	24.00	26.44	30.00
5580MHz	Pass	5.80	18.18	17.33	20.79	24.00	26.59	30.00
5700MHz	Pass	5.80	17.94	17.27	20.63	24.00	26.43	30.00
5745MHz	Pass	5.80	22.85	22.75	25.81	30.00	31.61	36.00
5785MHz	Pass	5.80	22.61	22.71	25.67	30.00	31.47	36.00
5825MHz	Pass	5.80	22.29	22.28	25.30	30.00	31.10	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.53	12.18	12.71	15.46	24.00	20.99	30.00
5230MHz	Pass	5.53	12.08	12.53	15.32	24.00	20.85	30.00
5270MHz	Pass	5.53	19.51	19.31	22.42	24.00	27.95	30.00
5310MHz	Pass	5.53	15.20	15.26	18.24	24.00	23.77	30.00
5510MHz	Pass	5.80	15.24	14.73	18.00	24.00	23.80	30.00
5550MHz	Pass	5.80	19.43	18.88	22.17	24.00	27.97	30.00
5670MHz	Pass	5.80	19.02	19.20	22.12	24.00	27.92	30.00
5755MHz	Pass	5.80	22.30	22.33	25.33	30.00	31.13	36.00
5795MHz	Pass	5.80	22.42	22.53	25.49	30.00	31.29	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.53	12.19	12.62	15.42	24.00	20.95	30.00
5290MHz	Pass	5.53	14.19	13.74	16.98	24.00	22.51	30.00
5530MHz	Pass	5.80	13.86	12.97	16.45	24.00	22.25	30.00
5610MHz	Pass	5.80	19.43	18.60	22.05	24.00	27.85	30.00
5775MHz	Pass	5.80	21.48	21.29	24.40	30.00	30.20	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	1.45	9.99
802.11ac VHT20_Nss1,(MCS0)_2TX	1.30	9.84
802.11ac VHT40_Nss1,(MCS0)_2TX	-1.29	7.25
802.11ac VHT80_Nss1,(MCS0)_2TX	-4.27	4.27
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.12	16.66
802.11ac VHT20_Nss1,(MCS0)_2TX	8.43	16.97
802.11ac VHT40_Nss1,(MCS0)_2TX	5.62	14.16
802.11ac VHT80_Nss1,(MCS0)_2TX	-2.07	6.47
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.16	16.97
802.11ac VHT20_Nss1,(MCS0)_2TX	8.13	16.94
802.11ac VHT40_Nss1,(MCS0)_2TX	5.01	13.82
802.11ac VHT80_Nss1,(MCS0)_2TX	3.44	12.25
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	11.71	20.52
802.11ac VHT20_Nss1,(MCS0)_2TX	11.54	20.35
802.11ac VHT40_Nss1,(MCS0)_2TX	8.24	17.05
802.11ac VHT80_Nss1,(MCS0)_2TX	3.85	12.66

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

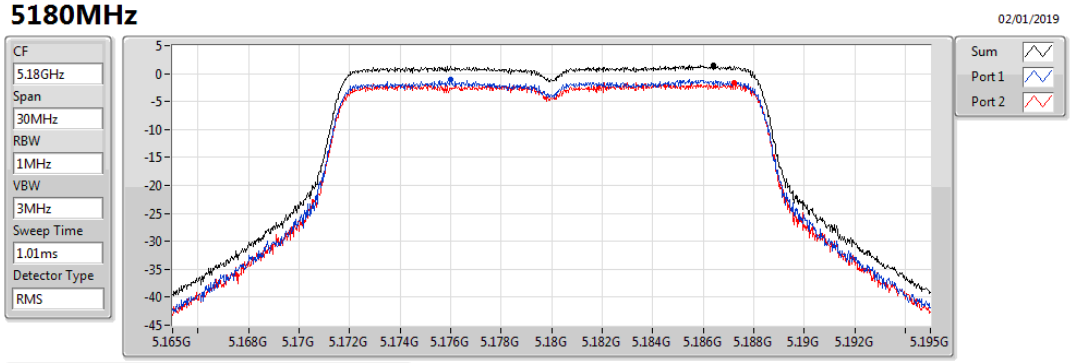
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.54	-1.03	-1.61	1.45	8.46	9.99	17.00
5200MHz	Pass	8.54	-1.57	-2.11	0.99	8.46	9.53	17.00
5240MHz	Pass	8.54	-1.22	-1.89	1.26	8.46	9.80	17.00
5260MHz	Pass	8.54	5.15	5.75	8.12	8.46	16.66	17.00
5300MHz	Pass	8.54	4.78	5.50	7.99	8.46	16.53	17.00
5320MHz	Pass	8.54	5.07	5.68	8.10	8.46	16.64	17.00
5500MHz	Pass	8.81	4.78	5.03	7.86	8.19	16.67	17.00
5580MHz	Pass	8.81	5.61	4.98	8.16	8.19	16.97	17.00
5700MHz	Pass	8.81	5.78	5.10	8.14	8.19	16.95	17.00
5745MHz	Pass	8.81	9.07	8.90	11.71	27.19	20.52	36.00
5785MHz	Pass	8.81	9.04	8.73	11.54	27.19	20.35	36.00
5825MHz	Pass	8.81	8.63	8.37	11.33	27.19	20.14	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.54	-1.01	-1.97	1.30	8.46	9.84	17.00
5200MHz	Pass	8.54	-1.22	-2.11	1.03	8.46	9.57	17.00
5240MHz	Pass	8.54	-1.28	-2.26	1.13	8.46	9.67	17.00
5260MHz	Pass	8.54	5.11	5.74	8.43	8.46	16.97	17.00
5300MHz	Pass	8.54	5.13	5.92	8.40	8.46	16.94	17.00
5320MHz	Pass	8.54	5.15	5.64	8.12	8.46	16.66	17.00
5500MHz	Pass	8.81	5.05	5.10	7.80	8.19	16.61	17.00
5580MHz	Pass	8.81	5.53	5.15	8.13	8.19	16.94	17.00
5700MHz	Pass	8.81	5.64	4.88	8.04	8.19	16.85	17.00
5745MHz	Pass	8.81	8.86	8.77	11.54	27.19	20.35	36.00
5785MHz	Pass	8.81	8.69	8.55	11.40	27.19	20.21	36.00
5825MHz	Pass	8.81	8.49	8.13	11.10	27.19	19.91	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.54	-4.48	-3.83	-1.29	8.46	7.25	17.00
5230MHz	Pass	8.54	-4.41	-3.94	-1.55	8.46	6.99	17.00
5270MHz	Pass	8.54	2.91	2.56	5.62	8.46	14.16	17.00
5310MHz	Pass	8.54	-0.35	-0.49	2.23	8.46	10.77	17.00
5510MHz	Pass	8.81	-0.41	-0.70	2.22	8.19	11.03	17.00
5550MHz	Pass	8.81	2.43	1.96	5.01	8.19	13.82	17.00
5670MHz	Pass	8.81	2.12	2.21	4.96	8.19	13.77	17.00
5755MHz	Pass	8.81	4.90	4.93	7.82	27.19	16.63	36.00
5795MHz	Pass	8.81	5.15	5.42	8.24	27.19	17.05	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.54	-7.49	-6.98	-4.27	8.46	4.27	17.00
5290MHz	Pass	8.54	-4.50	-4.79	-2.07	8.46	6.47	17.00
5530MHz	Pass	8.81	-4.49	-5.13	-2.17	8.19	6.64	17.00
5610MHz	Pass	8.81	0.90	0.23	3.44	8.19	12.25	17.00
5775MHz	Pass	8.81	1.16	1.23	3.85	27.19	12.66	36.00

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

802.11a_Nss1,(6Mbps)_2TX PSD

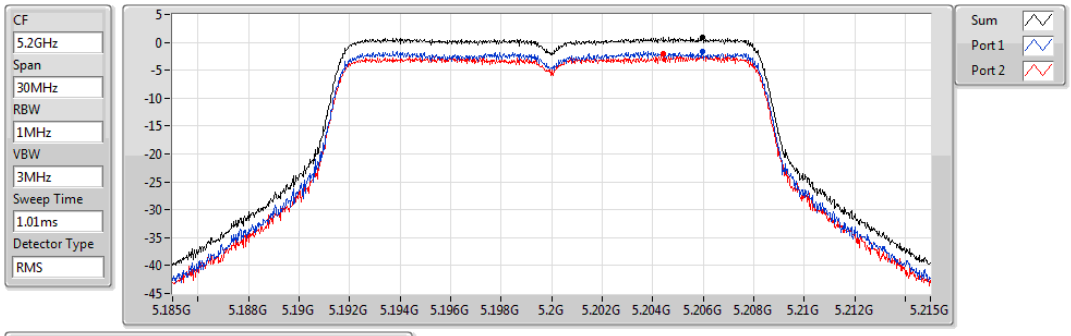
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.45	1.45	-1.03	-1.61

802.11a_Nss1,(6Mbps)_2TX PSD

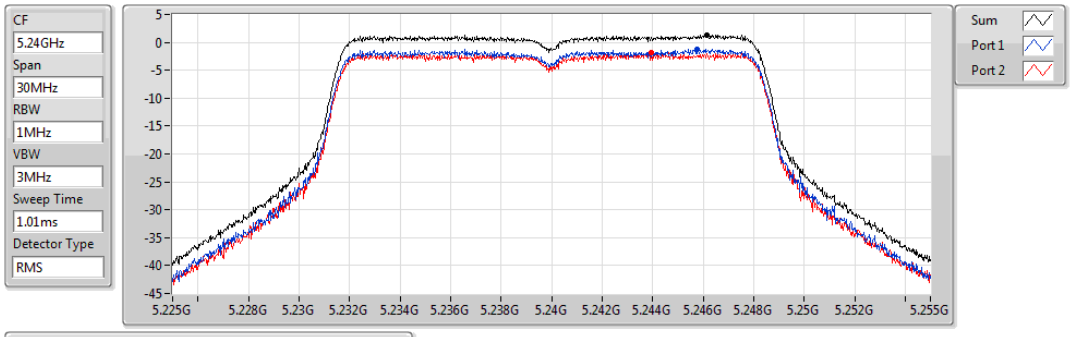
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.99	0.99	-1.57	-2.11

802.11a_Nss1,(6Mbps)_2TX PSD

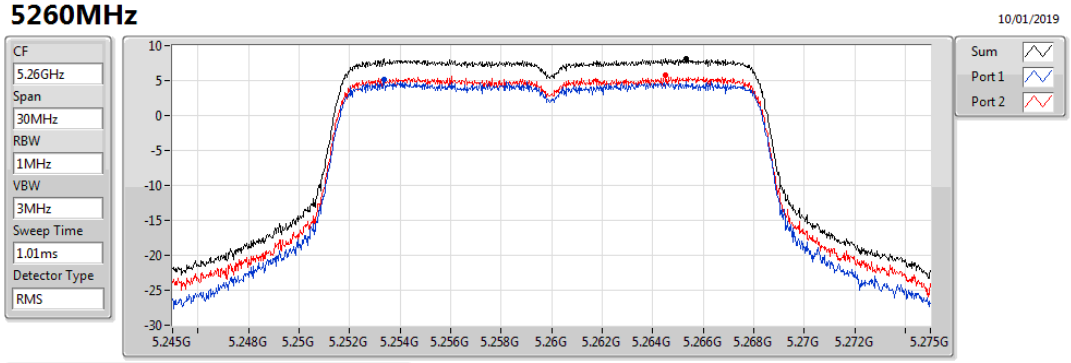
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.26	1.26	-1.22	-1.89

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

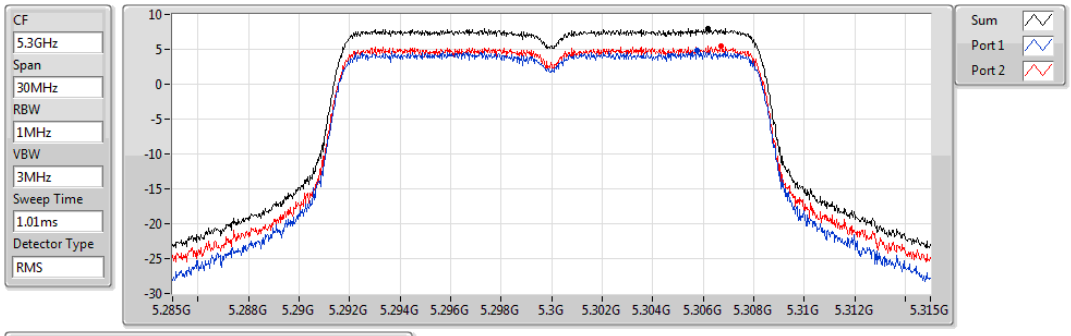
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.12	8.12	5.15	5.75

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

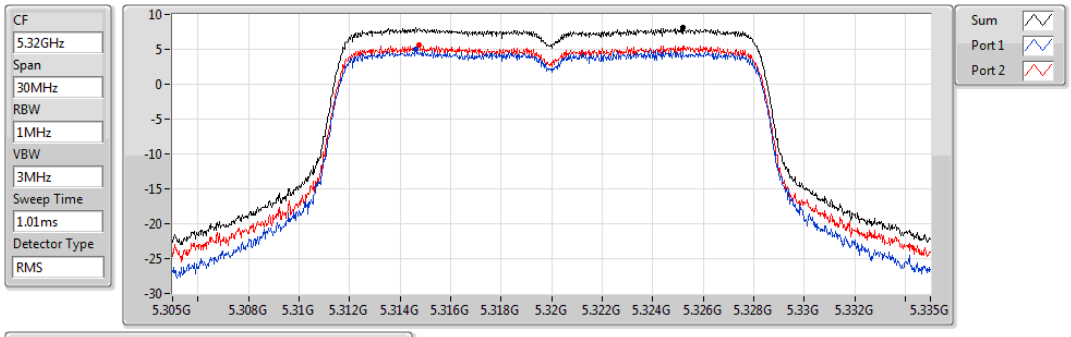
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.99	7.99	4.78	5.50

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

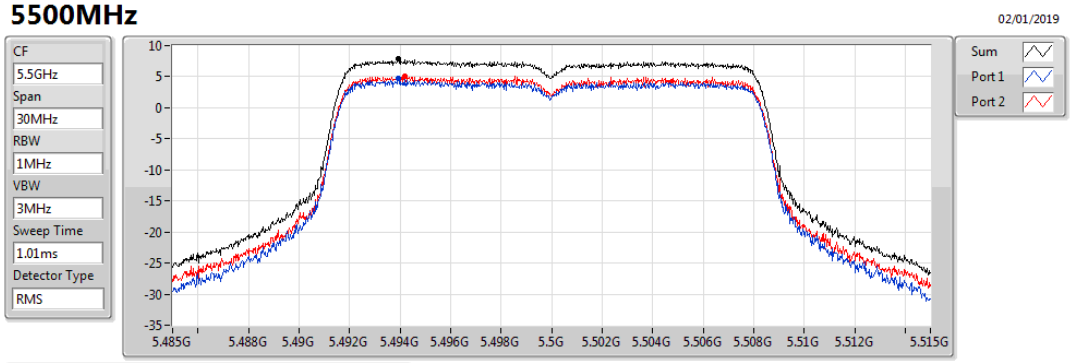
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.10	8.10	5.07	5.68

802.11a_Nss1,(6Mbps)_2TX PSD

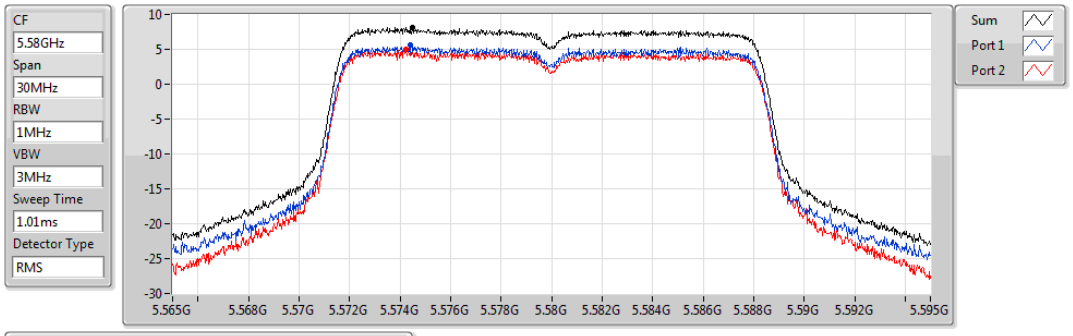
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.86	7.86	4.78	5.03

802.11a_Nss1,(6Mbps)_2TX PSD

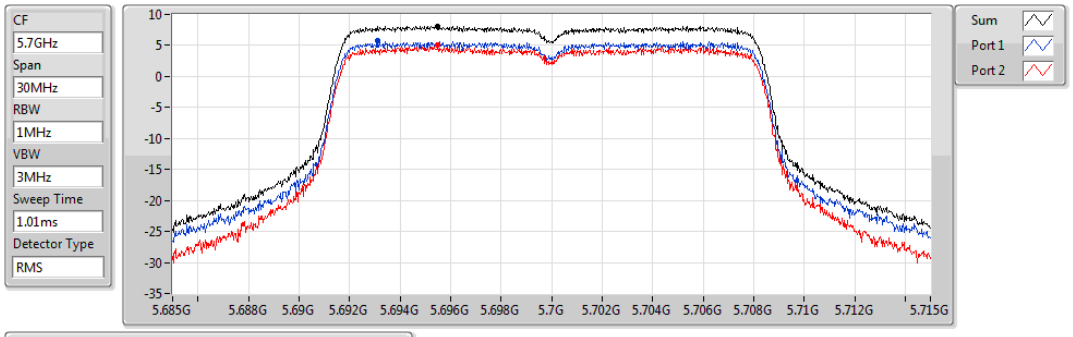
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.16	8.16	5.61	4.98

802.11a_Nss1,(6Mbps)_2TX PSD

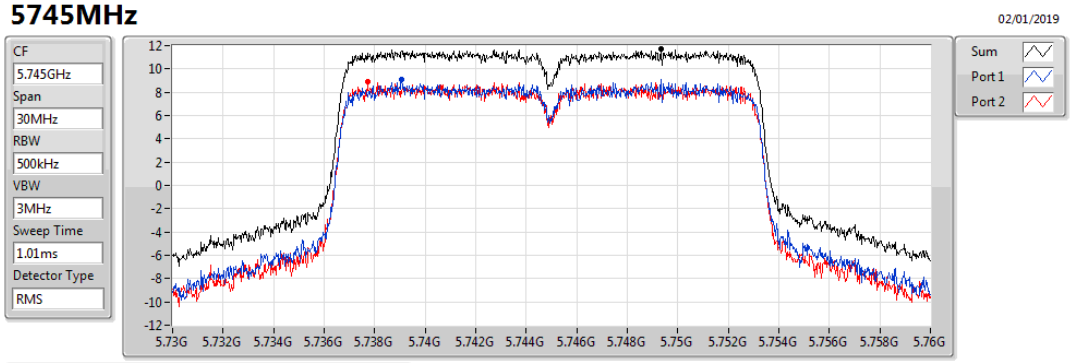
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.14	8.14	5.78	5.10

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

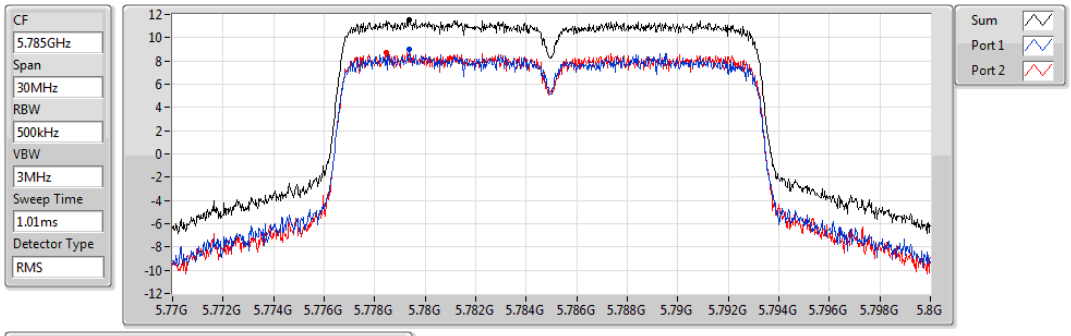
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.71	11.71	9.07	8.90

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

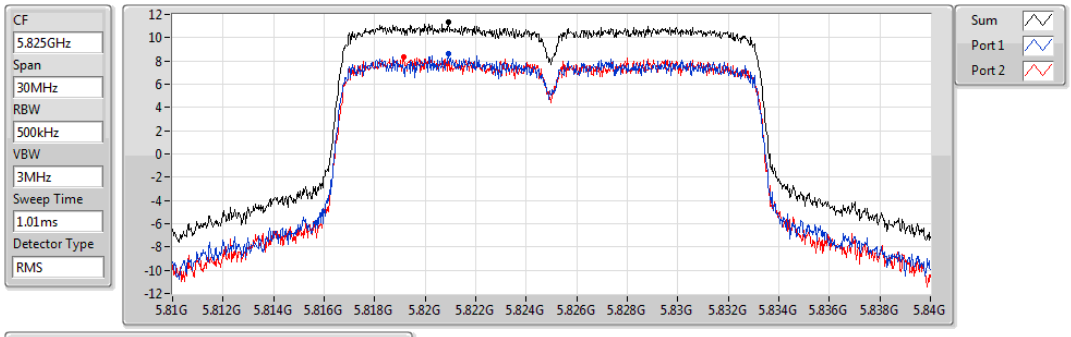
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.54	11.54	9.04	8.73

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

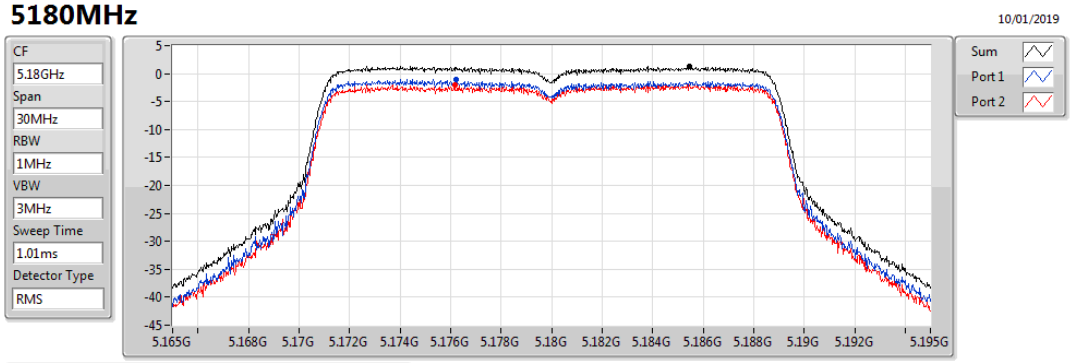
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.33	11.33	8.63	8.37

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

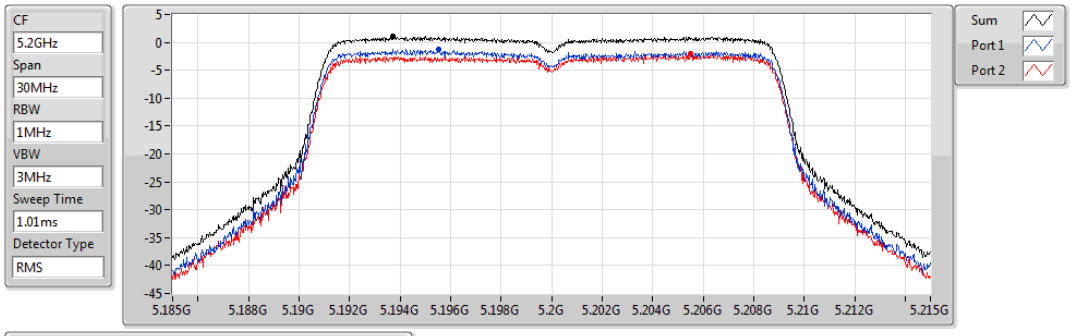
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.30	1.30	-1.01	-1.97

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

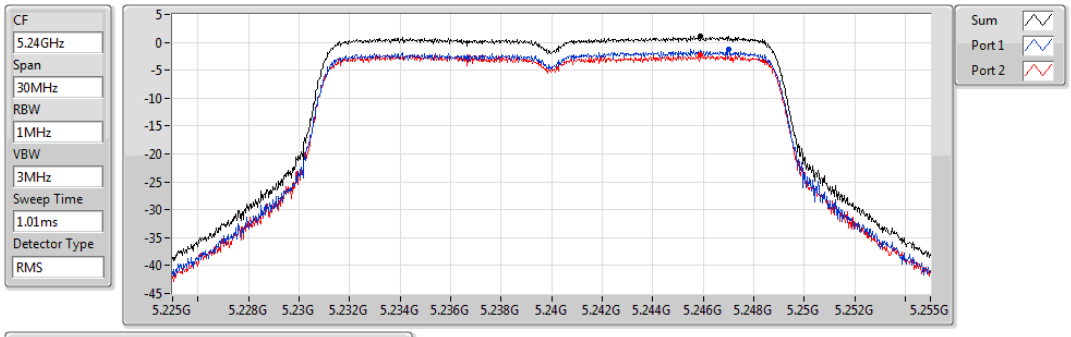
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.03	1.03	-1.22	-2.11

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

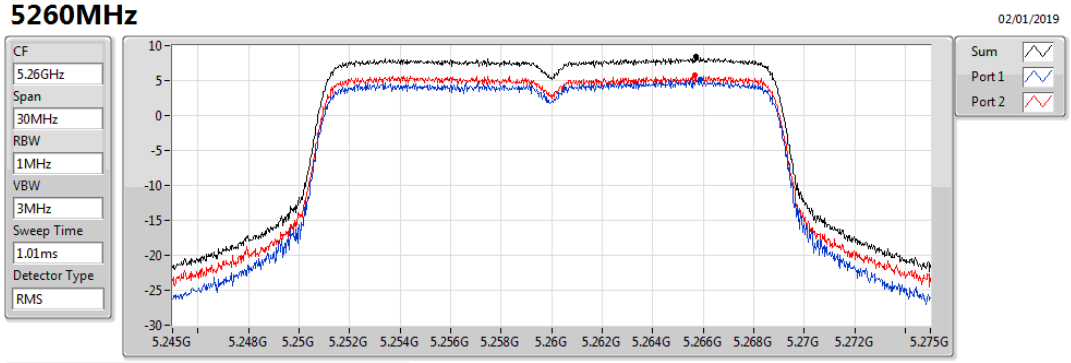
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.13	1.13	-1.28	-2.26

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

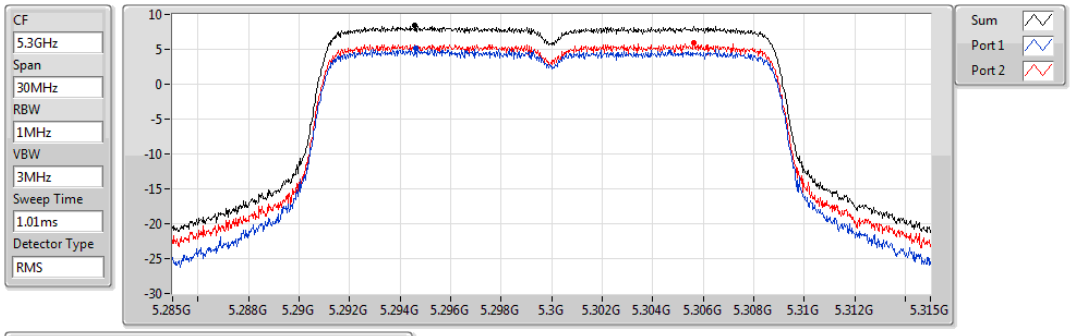
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.43	8.43	5.11	5.74

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

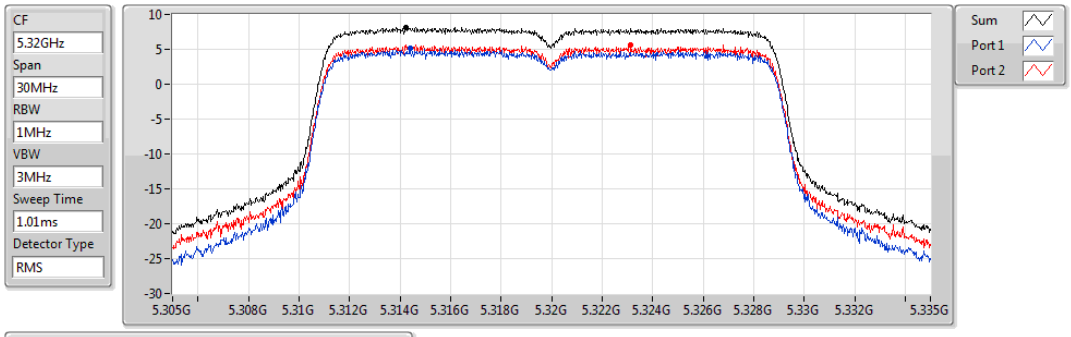
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.40	8.40	5.13	5.92

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

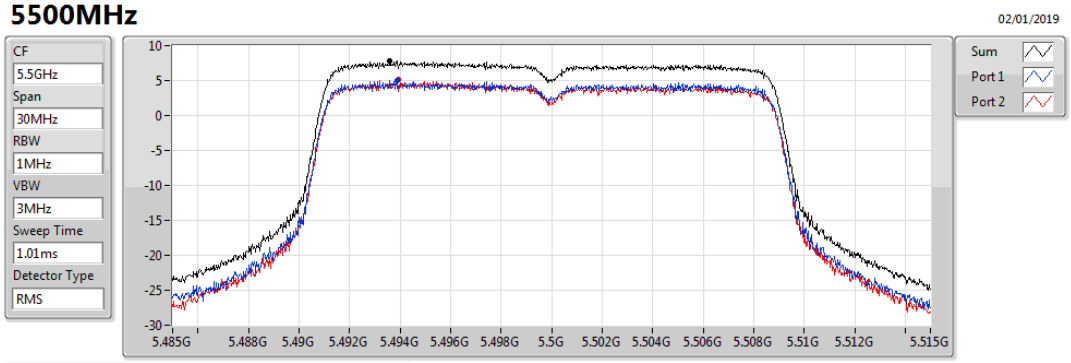
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.12	8.12	5.15	5.64

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

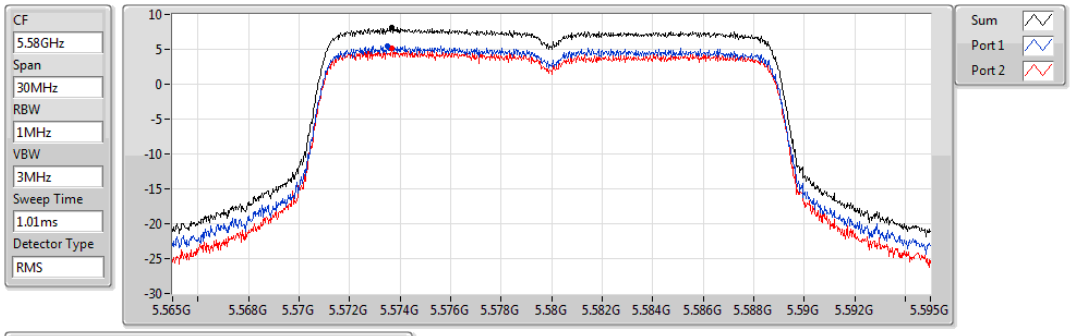
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.80	7.80	5.05	5.10

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

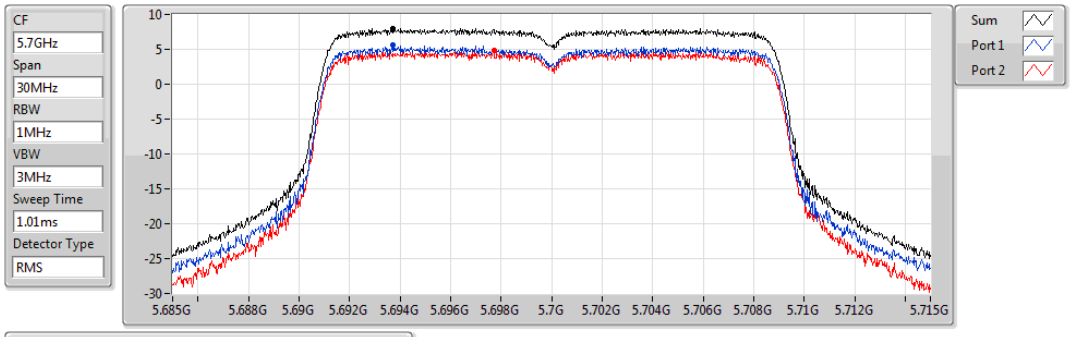
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.13	8.13	5.53	5.15

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

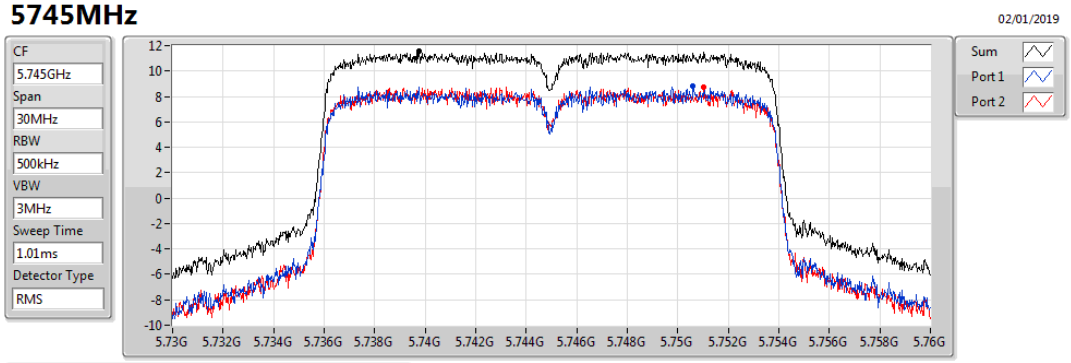
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.04	8.04	5.64	4.88

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

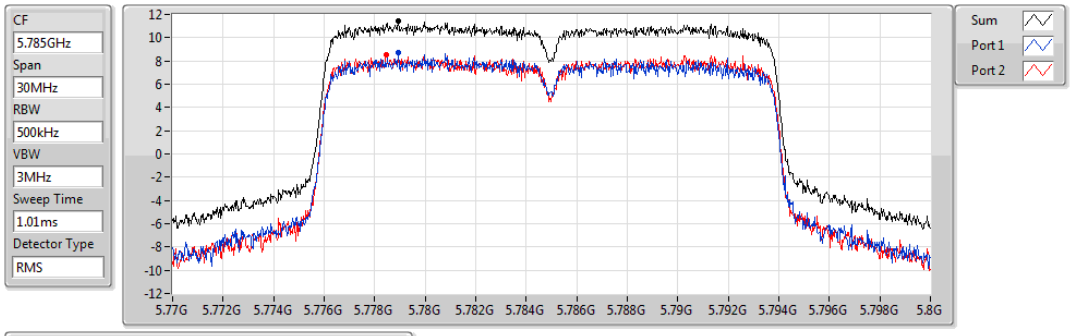
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.54	11.54	8.86	8.77

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

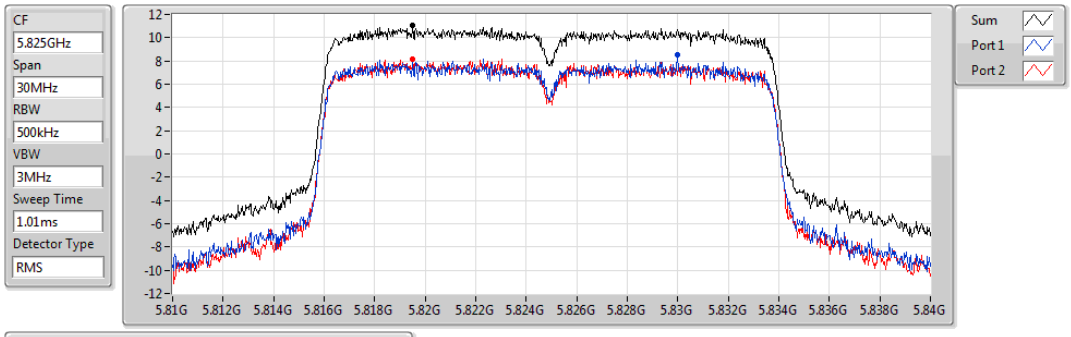
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.40	11.40	8.69	8.55

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

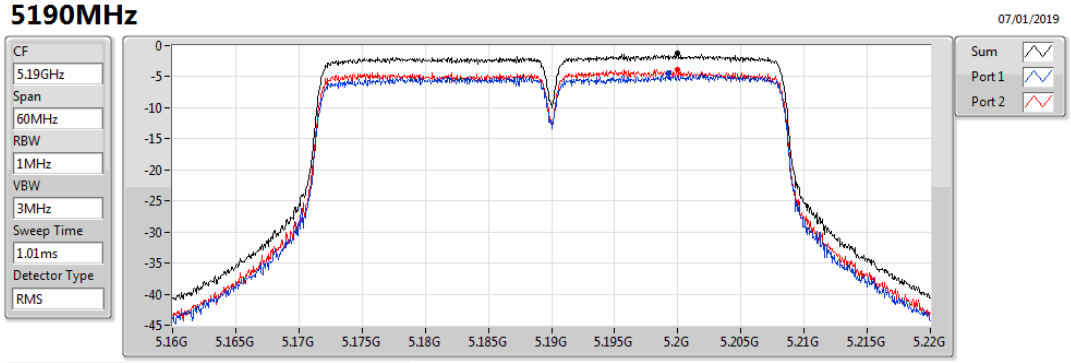
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.10	11.10	8.49	8.13

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

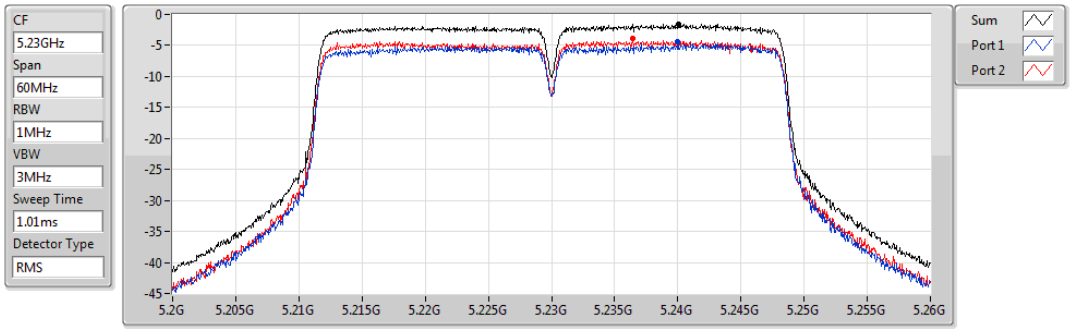
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.29	-1.29	-4.48	-3.83

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

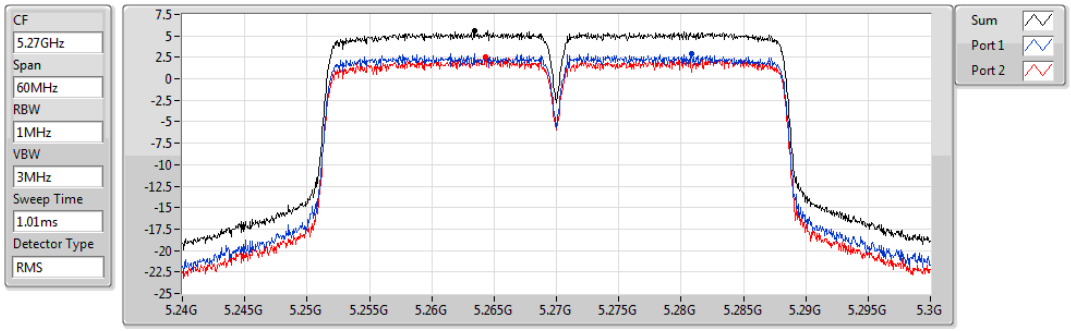
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.55	-1.55	-4.41	-3.94

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

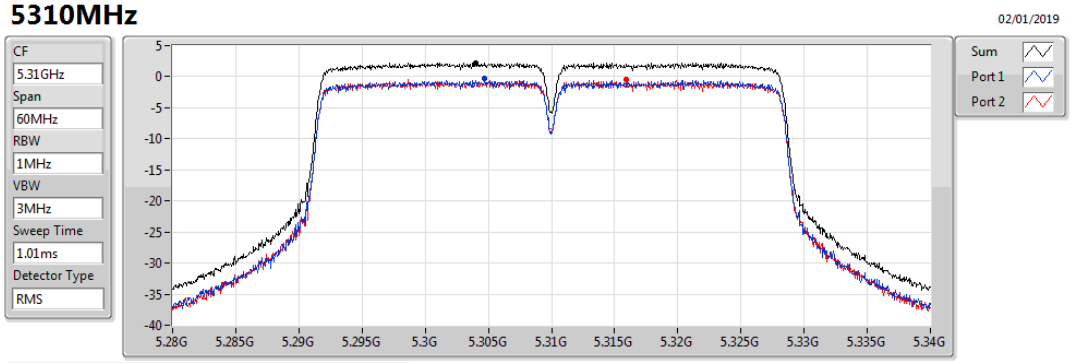
5270MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.62	5.62	2.91	2.56

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

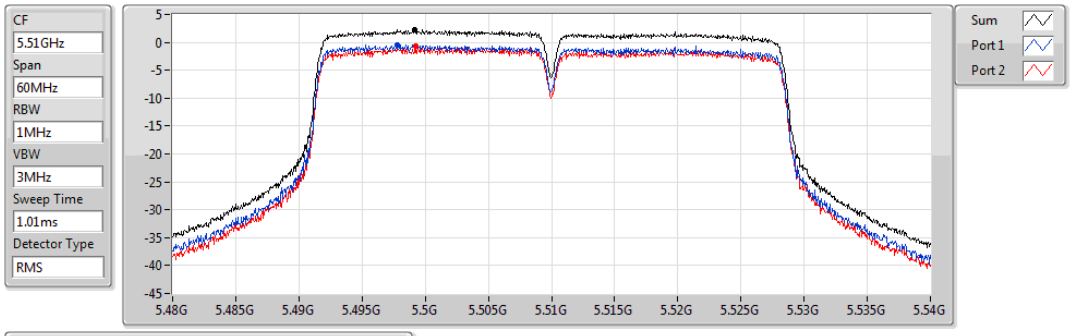
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.23	2.23	-0.35	-0.49

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

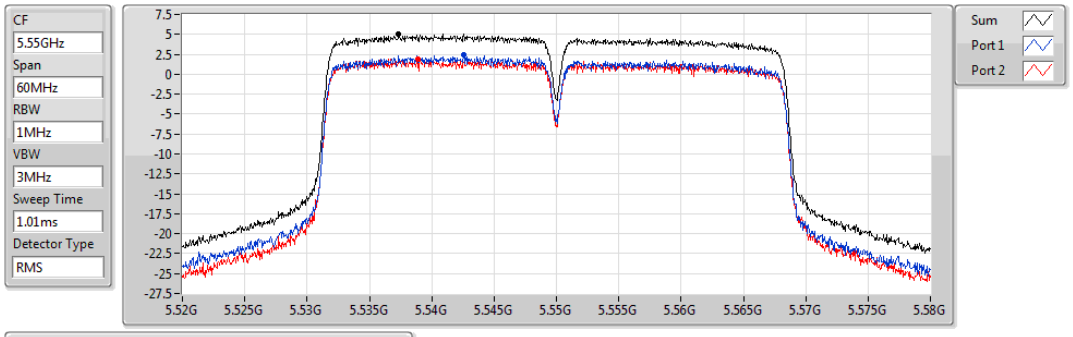
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.22	2.22	-0.41	-0.70

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

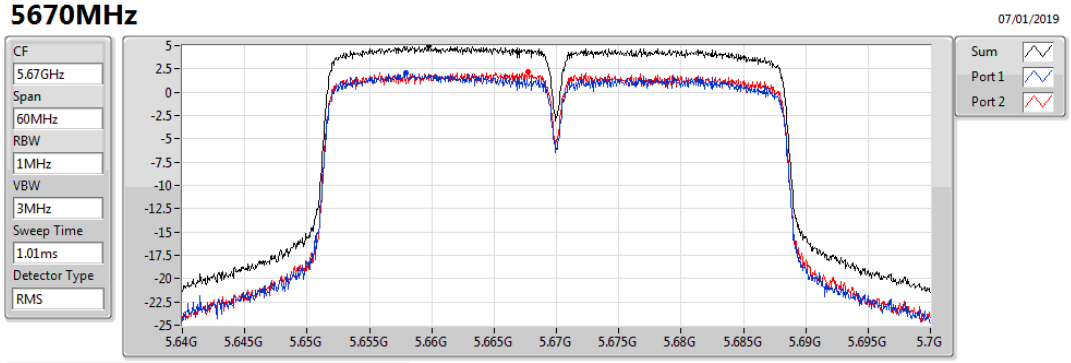
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.01	5.01	2.43	1.96

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

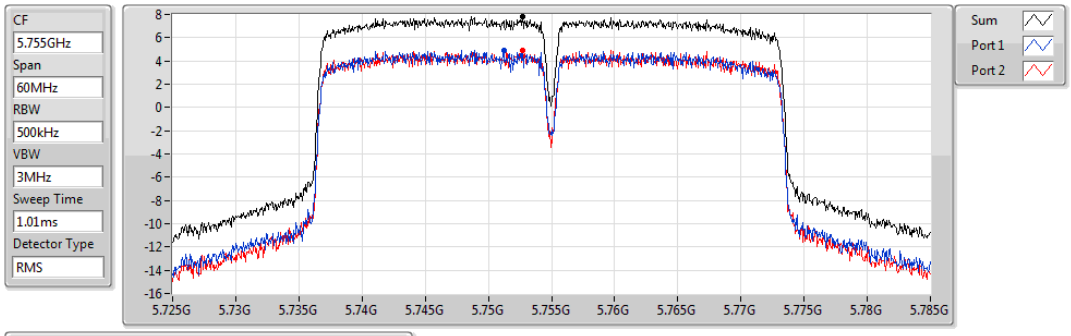
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.96	4.96	2.12	2.21

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

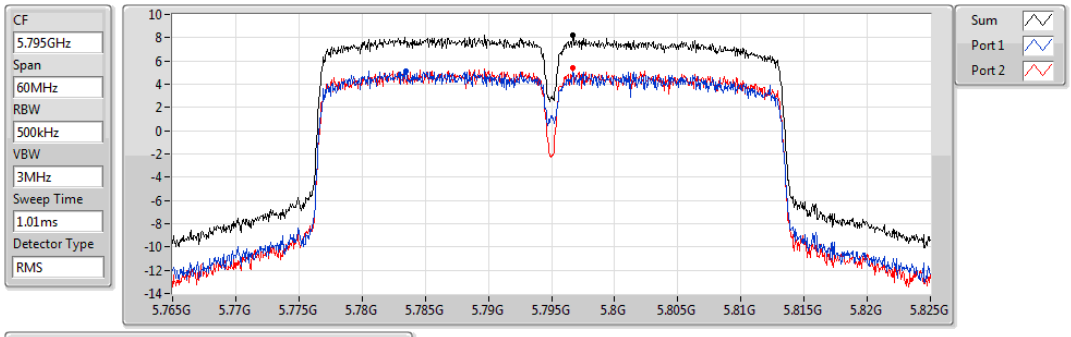
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.82	7.82	4.90	4.93

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

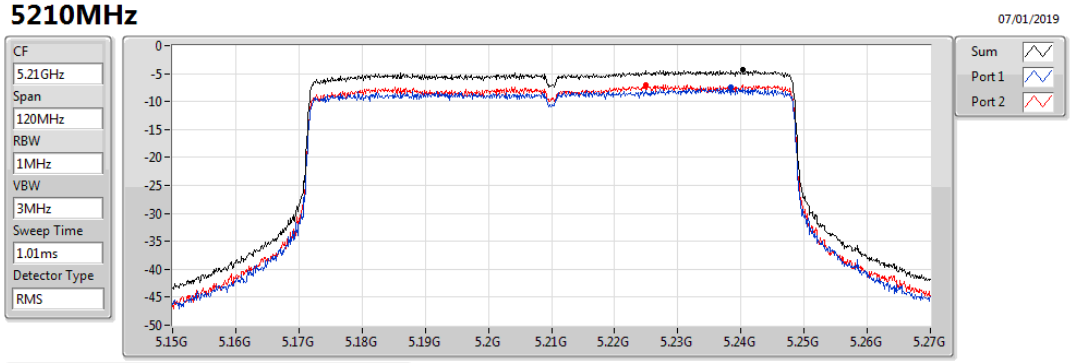
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.24	8.24	5.15	5.42

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

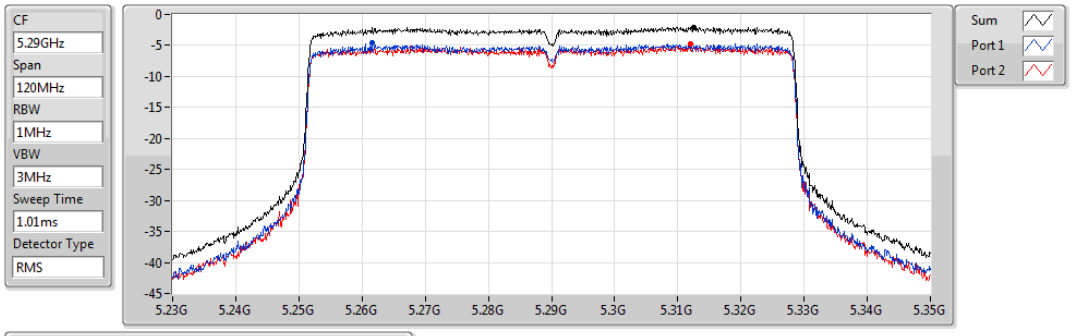
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.27	-4.27	-7.49	-6.98

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

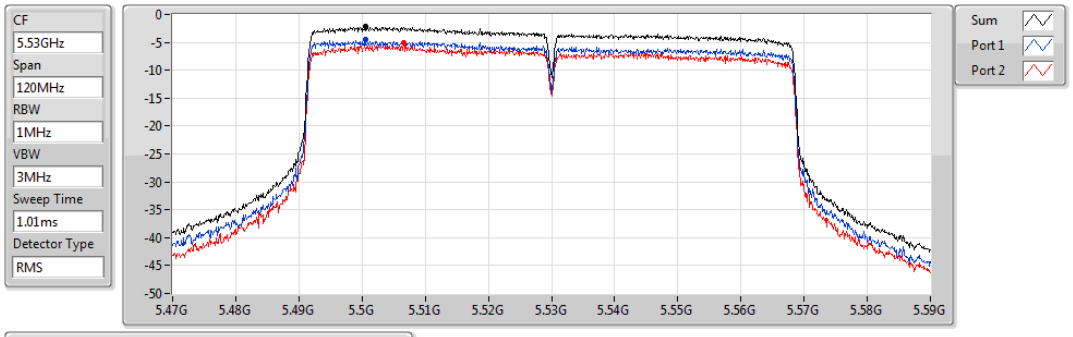
5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.07	-2.07	-4.50	-4.79

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

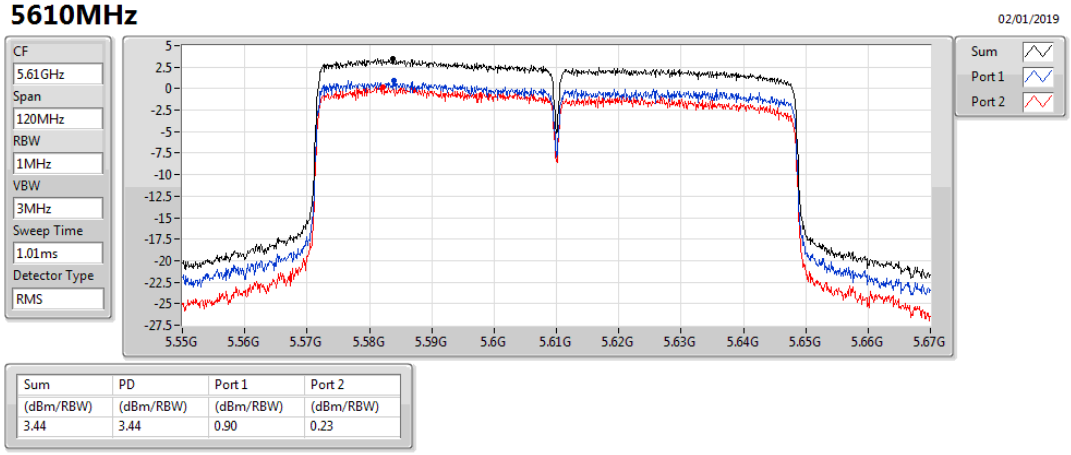
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.17	-2.17	-4.49	-5.13

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

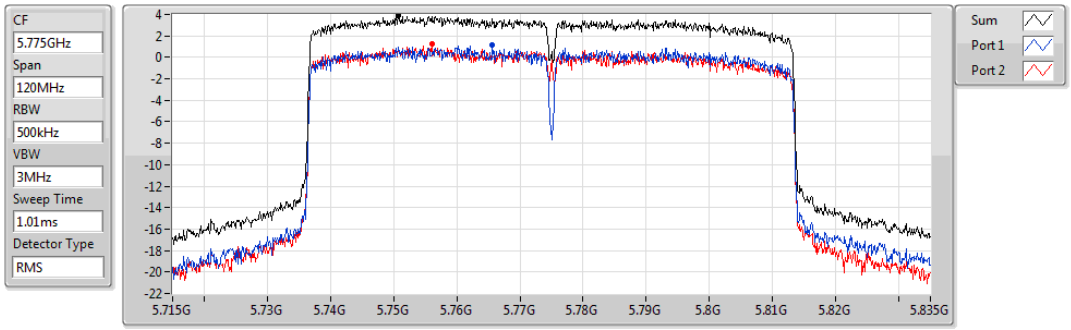
5610MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.44	3.44	0.90	0.23

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

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.85	3.85	1.16	1.23

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	293.84M	42.78	46.00	-3.22	-5.98	3	Horizontal	360	1.00	-

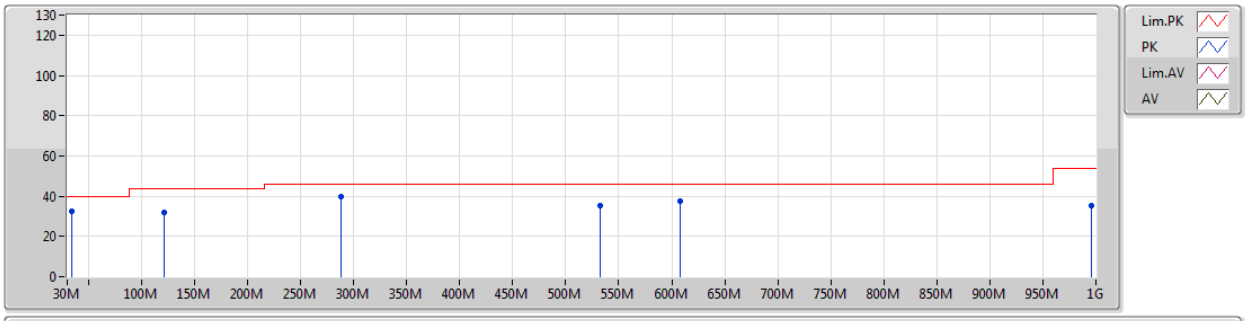
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	33.88M	32.73	40.00	-7.27	-6.69	3	Vertical	0	1.00	-
5775MHz	Pass	PK	121.18M	31.87	43.50	-11.63	-8.85	3	Vertical	0	1.00	-
5775MHz	Pass	PK	288.02M	39.61	46.00	-6.39	-6.12	3	Vertical	0	1.00	-
5775MHz	Pass	PK	532.46M	35.57	46.00	-10.43	-1.73	3	Vertical	0	1.00	-
5775MHz	Pass	PK	608.12M	37.61	46.00	-8.39	-0.81	3	Vertical	0	1.00	-
5775MHz	Pass	PK	996.12M	35.45	54.00	-18.55	4.11	3	Vertical	0	1.00	-
5775MHz	Pass	PK	99.84M	36.10	43.50	-7.40	-10.24	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	130.88M	35.70	43.50	-7.80	-9.09	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	293.84M	42.78	46.00	-3.22	-5.98	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	610.06M	34.60	46.00	-11.40	-0.75	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	747.8M	42.52	46.00	-3.48	0.87	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	1G	37.14	54.00	-16.86	4.16	3	Horizontal	360	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

08/01/2019

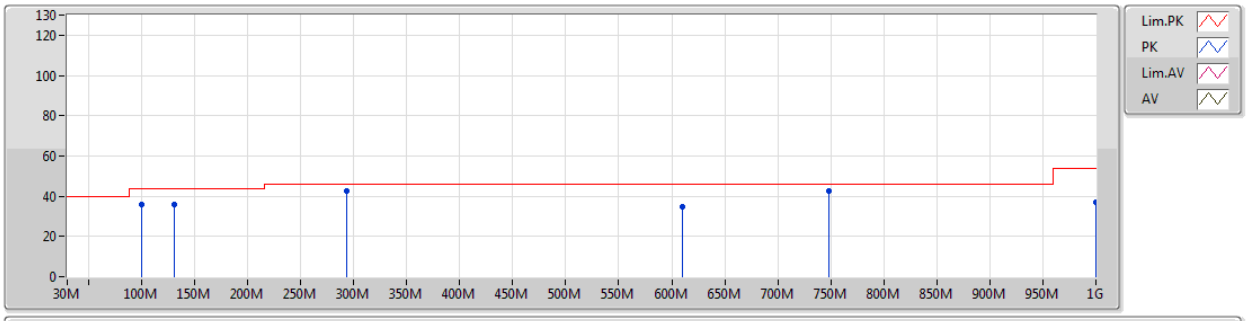


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	33.88M	32.73	40.00	-7.27	-6.69	3	Vertical	0	1.00	-
PK	121.18M	31.87	43.50	-11.63	-8.85	3	Vertical	0	1.00	-
PK	288.02M	39.61	46.00	-6.39	-6.12	3	Vertical	0	1.00	-
PK	532.46M	35.57	46.00	-10.43	-1.73	3	Vertical	0	1.00	-
PK	608.12M	37.61	46.00	-8.39	-0.81	3	Vertical	0	1.00	-
PK	996.12M	35.45	54.00	-18.55	4.11	3	Vertical	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

08/01/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	99.84M	36.10	43.50	-7.40	-10.24	3	Horizontal	360	1.00	-
PK	130.88M	35.70	43.50	-7.80	-9.09	3	Horizontal	360	1.00	-
PK	293.84M	42.78	46.00	-3.22	-5.98	3	Horizontal	360	1.00	-
PK	610.06M	34.60	46.00	-11.40	-0.75	3	Horizontal	360	1.00	-
PK	747.8M	42.52	46.00	-3.48	0.87	3	Horizontal	360	1.00	-
PK	1G	37.14	54.00	-16.86	4.16	3	Horizontal	360	1.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.1488G	53.86	54.00	-0.14	4.16	3	Vertical	84	2.04	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.15G	53.71	54.00	-0.29	4.16	3	Vertical	86	2.01	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.15G	53.61	54.00	-0.39	4.16	3	Vertical	53	2.05	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.145G	53.09	54.00	-0.91	4.16	3	Vertical	70	1.50	-
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.3534G	53.26	54.00	-0.74	4.38	3	Vertical	52	2.02	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.3512G	53.25	54.00	-0.75	4.38	3	Vertical	85	1.96	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.3516G	53.74	54.00	-0.26	4.38	3	Vertical	87	1.91	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.357G	52.73	54.00	-1.27	4.39	3	Vertical	95	1.50	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.4656G	67.89	68.20	-0.31	4.52	3	Vertical	84	1.90	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	5.7252G	68.08	68.20	-0.12	5.05	3	Vertical	256	2.11	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	5.4696G	68.05	68.20	-0.15	4.52	3	Vertical	54	2.05	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.457G	53.09	54.00	-0.91	4.50	3	Vertical	110	1.50	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	11.4898G	49.10	54.00	-4.90	14.76	3	Vertical	234	2.77	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	11.65382G	48.51	54.00	-5.49	14.60	3	Vertical	276	1.39	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	5.6506G	68.02	68.64	-0.62	4.87	3	Vertical	145	1.79	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.5458G	60.62	68.20	-7.58	4.64	3	Vertical	111	2.13	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1498G	53.41	54.00	-0.59	4.16	3	Vertical	62	2.09	-
5180MHz	Pass	AV	5.1748G	105.32	Inf	-Inf	4.18	3	Vertical	62	2.09	-
5180MHz	Pass	PK	5.15G	67.46	74.00	-6.54	4.16	3	Vertical	62	2.09	-
5180MHz	Pass	PK	5.175G	115.95	Inf	-Inf	4.19	3	Vertical	62	2.09	-
5180MHz	Pass	AV	10.3603G	43.52	54.00	-10.48	13.88	3	Vertical	289	2.97	-
5180MHz	Pass	PK	10.3685G	57.00	74.00	-17.00	13.90	3	Vertical	289	2.97	-
5180MHz	Pass	AV	10.3821G	43.03	54.00	-10.97	13.94	3	Horizontal	32	1.89	-
5180MHz	Pass	PK	10.335G	56.69	74.00	-17.31	13.82	3	Horizontal	32	1.89	-
5200MHz	Pass	AV	5.1488G	53.86	54.00	-0.14	4.16	3	Vertical	84	2.04	-
5200MHz	Pass	AV	5.1928G	105.96	Inf	-Inf	4.21	3	Vertical	84	2.04	-
5200MHz	Pass	PK	5.1484G	71.02	74.00	-2.98	4.16	3	Vertical	84	2.04	-
5200MHz	Pass	PK	5.1976G	116.78	Inf	-Inf	4.22	3	Vertical	84	2.04	-
5200MHz	Pass	AV	10.40984G	46.40	54.00	-7.60	13.99	3	Vertical	69	1.28	-
5200MHz	Pass	PK	10.39864G	60.29	74.00	-13.71	13.97	3	Vertical	69	1.28	-
5200MHz	Pass	AV	10.40956G	43.35	54.00	-10.65	13.99	3	Horizontal	156	1.61	-
5200MHz	Pass	PK	10.40996G	57.55	74.00	-16.45	13.99	3	Horizontal	156	1.61	-
5240MHz	Pass	AV	5.1488G	50.82	54.00	-3.18	4.16	3	Vertical	52	2.14	-
5240MHz	Pass	AV	5.2334G	108.15	Inf	-Inf	4.26	3	Vertical	52	2.14	-
5240MHz	Pass	AV	5.35G	49.00	54.00	-5.00	4.38	3	Vertical	52	2.14	-
5240MHz	Pass	PK	5.1482G	67.88	74.00	-6.12	4.16	3	Vertical	52	2.14	-
5240MHz	Pass	PK	5.234G	119.55	Inf	-Inf	4.26	3	Vertical	52	2.14	-
5240MHz	Pass	PK	5.3822G	62.30	74.00	-11.70	4.42	3	Vertical	52	2.14	-
5240MHz	Pass	AV	10.4832G	48.53	54.00	-5.47	14.15	3	Vertical	171	1.63	-
5240MHz	Pass	AV	15.7211G	49.65	54.00	-4.35	14.20	3	Vertical	198	2.21	-
5240MHz	Pass	PK	10.4732G	61.84	74.00	-12.16	14.14	3	Vertical	171	1.63	-
5240MHz	Pass	PK	15.7206G	62.79	74.00	-11.21	14.20	3	Vertical	198	2.21	-
5240MHz	Pass	AV	10.4819G	45.84	54.00	-8.16	14.15	3	Horizontal	287	2.07	-
5240MHz	Pass	PK	10.4799G	59.15	74.00	-14.85	14.15	3	Horizontal	287	2.07	-
5260MHz	Pass	AV	5.1496G	48.58	54.00	-5.42	4.16	3	Vertical	64	1.98	-
5260MHz	Pass	AV	5.2648G	107.70	Inf	-Inf	4.30	3	Vertical	64	1.98	-
5260MHz	Pass	AV	5.35G	50.51	54.00	-3.49	4.38	3	Vertical	64	1.98	-
5260MHz	Pass	PK	5.1124G	62.91	74.00	-11.09	4.11	3	Vertical	64	1.98	-
5260MHz	Pass	PK	5.2642G	119.88	Inf	-Inf	4.30	3	Vertical	64	1.98	-
5260MHz	Pass	PK	5.35G	67.13	74.00	-6.87	4.38	3	Vertical	64	1.98	-
5260MHz	Pass	AV	10.5228G	50.43	54.00	-3.57	14.24	3	Vertical	171	1.59	-
5260MHz	Pass	PK	10.523G	63.62	74.00	-10.38	14.24	3	Vertical	171	1.59	-
5260MHz	Pass	AV	10.5212G	45.76	54.00	-8.24	14.24	3	Horizontal	148	1.60	-
5260MHz	Pass	PK	10.5216G	59.36	74.00	-14.64	14.24	3	Horizontal	148	1.60	-
5300MHz	Pass	AV	5.2936G	106.93	Inf	-Inf	4.33	3	Vertical	55	2.08	-
5300MHz	Pass	AV	5.35G	53.21	54.00	-0.79	4.38	3	Vertical	55	2.08	-
5300MHz	Pass	PK	5.2936G	117.75	Inf	-Inf	4.33	3	Vertical	55	2.08	-
5300MHz	Pass	PK	5.35G	69.59	74.00	-4.41	4.38	3	Vertical	55	2.08	-
5300MHz	Pass	AV	10.5985G	50.72	54.00	-3.28	14.41	3	Vertical	276	2.72	-
5300MHz	Pass	PK	10.5939G	63.85	74.00	-10.15	14.39	3	Vertical	276	2.72	-
5300MHz	Pass	AV	10.6007G	45.44	54.00	-8.56	14.41	3	Horizontal	133	1.80	-
5300MHz	Pass	PK	10.6003G	58.73	74.00	-15.27	14.41	3	Horizontal	133	1.80	-
5320MHz	Pass	AV	5.3134G	105.68	Inf	-Inf	4.35	3	Vertical	52	2.02	-

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	5.3534G	53.26	54.00	-0.74	4.38	3	Vertical	52	2.02	-
5320MHz	Pass	PK	5.3136G	115.97	Inf	-Inf	4.35	3	Vertical	52	2.02	-
5320MHz	Pass	PK	5.353G	68.32	74.00	-5.68	4.38	3	Vertical	52	2.02	-
5320MHz	Pass	AV	10.6159G	43.68	54.00	-10.32	14.44	3	Vertical	131	1.09	-
5320MHz	Pass	PK	10.637G	57.27	74.00	-16.73	14.49	3	Vertical	131	1.09	-
5320MHz	Pass	AV	10.6316G	43.35	54.00	-10.65	14.48	3	Horizontal	190	2.00	-
5320MHz	Pass	PK	10.637G	57.37	74.00	-16.63	14.49	3	Horizontal	190	2.00	-
5500MHz	Pass	AV	5.46G	50.96	54.00	-3.04	4.51	3	Vertical	84	1.90	-
5500MHz	Pass	AV	5.4948G	105.31	Inf	-Inf	4.56	3	Vertical	84	1.90	-
5500MHz	Pass	PK	5.4656G	67.89	68.20	-0.31	4.52	3	Vertical	84	1.90	-
5500MHz	Pass	PK	5.4948G	115.14	Inf	-Inf	4.56	3	Vertical	84	1.90	-
5500MHz	Pass	AV	11.0029G	44.08	54.00	-9.92	15.28	3	Vertical	92	1.98	-
5500MHz	Pass	PK	11.0072G	57.32	74.00	-16.68	15.27	3	Vertical	92	1.98	-
5500MHz	Pass	AV	10.9928G	44.04	54.00	-9.96	15.27	3	Horizontal	120	1.21	-
5500MHz	Pass	PK	11.0043G	57.71	74.00	-16.29	15.27	3	Horizontal	120	1.21	-
5580MHz	Pass	AV	5.4306G	50.68	54.00	-3.32	4.48	3	Vertical	82	2.05	-
5580MHz	Pass	AV	5.577G	106.91	Inf	-Inf	4.70	3	Vertical	82	2.05	-
5580MHz	Pass	PK	5.4666G	64.04	68.20	-4.16	4.52	3	Vertical	82	2.05	-
5580MHz	Pass	PK	5.5818G	117.51	Inf	-Inf	4.71	3	Vertical	82	2.05	-
5580MHz	Pass	PK	5.7258G	59.88	68.20	-8.32	5.05	3	Vertical	82	2.05	-
5580MHz	Pass	AV	11.1608G	45.07	54.00	-8.93	15.11	3	Vertical	133	1.50	-
5580MHz	Pass	PK	11.1611G	58.82	74.00	-15.18	15.11	3	Vertical	133	1.50	-
5580MHz	Pass	AV	11.1586G	43.95	54.00	-10.05	15.11	3	Horizontal	132	1.36	-
5580MHz	Pass	PK	11.1523G	58.05	74.00	-15.95	15.13	3	Horizontal	132	1.36	-
5700MHz	Pass	AV	5.6964G	101.74	Inf	-Inf	4.98	3	Vertical	256	2.23	-
5700MHz	Pass	PK	5.6964G	112.03	Inf	-Inf	4.98	3	Vertical	256	2.23	-
5700MHz	Pass	PK	5.7268G	67.43	68.20	-0.77	5.05	3	Vertical	256	2.23	-
5700MHz	Pass	AV	11.3873G	42.76	54.00	-11.24	14.88	3	Vertical	144	2.46	-
5700MHz	Pass	PK	11.4176G	56.50	74.00	-17.50	14.84	3	Vertical	144	2.46	-
5700MHz	Pass	AV	11.4039G	42.70	54.00	-11.30	14.87	3	Horizontal	43	1.58	-
5700MHz	Pass	PK	11.3823G	56.49	74.00	-17.51	14.88	3	Horizontal	43	1.58	-
5745MHz	Pass	AV	5.7474G	105.34	Inf	-Inf	5.11	3	Vertical	256	2.08	-
5745MHz	Pass	PK	5.547G	61.74	68.20	-6.46	4.65	3	Vertical	256	2.08	-
5745MHz	Pass	PK	5.7474G	116.25	Inf	-Inf	5.11	3	Vertical	256	2.08	-
5745MHz	Pass	PK	5.9502G	60.54	68.20	-7.66	5.38	3	Vertical	256	2.08	-
5745MHz	Pass	AV	11.4898G	49.10	54.00	-4.90	14.76	3	Vertical	234	2.77	-
5745MHz	Pass	PK	11.485G	62.52	74.00	-11.48	14.77	3	Vertical	234	2.77	-
5745MHz	Pass	AV	11.4883G	45.58	54.00	-8.42	14.76	3	Horizontal	281	2.04	-
5745MHz	Pass	PK	11.5071G	59.20	74.00	-14.80	14.75	3	Horizontal	281	2.04	-
5785MHz	Pass	AV	5.7814G	103.17	Inf	-Inf	5.19	3	Vertical	259	2.09	-
5785MHz	Pass	PK	5.497G	60.78	68.20	-7.42	4.56	3	Vertical	259	2.09	-
5785MHz	Pass	PK	5.7814G	112.70	Inf	-Inf	5.19	3	Vertical	259	2.09	-
5785MHz	Pass	PK	5.9326G	59.64	68.20	-8.56	5.36	3	Vertical	259	2.09	-
5785MHz	Pass	AV	11.56638G	48.82	54.00	-5.18	14.69	3	Vertical	10	2.17	-
5785MHz	Pass	PK	11.56634G	62.39	74.00	-11.61	14.69	3	Vertical	10	2.17	-
5785MHz	Pass	AV	11.574G	45.28	54.00	-8.72	14.68	3	Horizontal	261	1.79	-
5785MHz	Pass	PK	11.57468G	60.20	74.00	-13.80	14.68	3	Horizontal	261	1.79	-
5825MHz	Pass	AV	5.831G	103.59	Inf	-Inf	5.26	3	Vertical	147	2.00	-
5825MHz	Pass	PK	5.6198G	61.01	68.20	-7.19	4.80	3	Vertical	147	2.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	PK	5.8214G	113.82	Inf	-Inf	5.26	3	Vertical	147	2.00	-
5825MHz	Pass	PK	5.951G	58.95	68.20	-9.25	5.38	3	Vertical	147	2.00	-
5825MHz	Pass	AV	11.65372G	48.99	54.00	-5.01	14.60	3	Vertical	151	2.39	-
5825MHz	Pass	PK	11.65322G	61.77	74.00	-12.23	14.60	3	Vertical	151	2.39	-
5825MHz	Pass	AV	11.64798G	46.41	54.00	-7.59	14.60	3	Horizontal	169	1.43	-
5825MHz	Pass	PK	11.65102G	59.34	74.00	-14.66	14.60	3	Horizontal	169	1.43	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	53.46	54.00	-0.54	4.16	3	Vertical	86	2.09	-
5180MHz	Pass	AV	5.175G	103.37	Inf	-Inf	4.19	3	Vertical	86	2.09	-
5180MHz	Pass	PK	5.1498G	67.65	74.00	-6.35	4.16	3	Vertical	86	2.09	-
5180MHz	Pass	PK	5.1746G	113.95	Inf	-Inf	4.18	3	Vertical	86	2.09	-
5180MHz	Pass	AV	10.3839G	46.12	54.00	-7.88	13.94	3	Vertical	341	2.22	-
5180MHz	Pass	PK	10.3569G	58.66	74.00	-15.34	13.88	3	Vertical	341	2.22	-
5180MHz	Pass	AV	10.3816G	43.96	54.00	-10.04	13.94	3	Horizontal	325	1.04	-
5180MHz	Pass	PK	10.3599G	58.19	74.00	-15.81	13.88	3	Horizontal	325	1.04	-
5200MHz	Pass	AV	5.15G	53.71	54.00	-0.29	4.16	3	Vertical	86	2.01	-
5200MHz	Pass	AV	5.1944G	105.93	Inf	-Inf	4.22	3	Vertical	86	2.01	-
5200MHz	Pass	PK	5.1496G	72.08	74.00	-1.92	4.16	3	Vertical	86	2.01	-
5200MHz	Pass	PK	5.1936G	116.20	Inf	-Inf	4.22	3	Vertical	86	2.01	-
5200MHz	Pass	AV	10.4245G	46.45	54.00	-7.55	14.02	3	Vertical	88	1.75	-
5200MHz	Pass	PK	10.375G	60.10	74.00	-13.90	13.92	3	Vertical	88	1.75	-
5200MHz	Pass	AV	10.425G	43.94	54.00	-10.06	14.02	3	Horizontal	351	2.35	-
5200MHz	Pass	PK	10.4116G	58.34	74.00	-15.66	14.00	3	Horizontal	351	2.35	-
5240MHz	Pass	AV	5.15G	49.64	54.00	-4.36	4.16	3	Vertical	87	1.99	-
5240MHz	Pass	AV	5.2328G	106.46	Inf	-Inf	4.26	3	Vertical	87	1.99	-
5240MHz	Pass	AV	5.3516G	48.77	54.00	-5.23	4.38	3	Vertical	87	1.99	-
5240MHz	Pass	PK	5.15G	68.16	74.00	-5.84	4.16	3	Vertical	87	1.99	-
5240MHz	Pass	PK	5.2334G	117.92	Inf	-Inf	4.26	3	Vertical	87	1.99	-
5240MHz	Pass	PK	5.354G	61.93	74.00	-12.07	4.38	3	Vertical	87	1.99	-
5240MHz	Pass	AV	10.4856G	48.64	54.00	-5.36	14.16	3	Vertical	71	1.08	-
5240MHz	Pass	PK	10.4862G	63.18	74.00	-10.82	14.16	3	Vertical	71	1.08	-
5240MHz	Pass	AV	10.4889G	44.63	54.00	-9.37	14.17	3	Horizontal	163	1.20	-
5240MHz	Pass	PK	10.4837G	59.11	74.00	-14.89	14.15	3	Horizontal	163	1.20	-
5260MHz	Pass	AV	5.1478G	48.00	54.00	-6.00	4.16	3	Vertical	0	1.50	-
5260MHz	Pass	AV	5.2582G	106.94	Inf	-Inf	4.28	3	Vertical	0	1.50	-
5260MHz	Pass	AV	5.3548G	50.03	54.00	-3.97	4.39	3	Vertical	0	1.50	-
5260MHz	Pass	PK	5.1382G	60.62	74.00	-13.38	4.14	3	Vertical	0	1.50	-
5260MHz	Pass	PK	5.257G	118.11	Inf	-Inf	4.28	3	Vertical	0	1.50	-
5260MHz	Pass	PK	5.3554G	65.36	74.00	-8.64	4.39	3	Vertical	0	1.50	-
5260MHz	Pass	AV	10.5146G	49.92	54.00	-4.08	14.22	3	Vertical	174	1.71	-
5260MHz	Pass	AV	15.7828G	49.34	54.00	-4.66	13.91	3	Vertical	198	2.15	-
5260MHz	Pass	PK	10.5159G	64.13	74.00	-9.87	14.23	3	Vertical	174	1.71	-
5260MHz	Pass	PK	15.7842G	61.80	74.00	-12.20	13.91	3	Vertical	198	2.15	-
5260MHz	Pass	AV	10.525G	45.46	54.00	-8.54	14.24	3	Horizontal	238	2.41	-
5260MHz	Pass	PK	10.51918G	59.45	74.00	-14.55	14.23	3	Horizontal	238	2.41	-
5300MHz	Pass	AV	5.2956G	106.77	Inf	-Inf	4.33	3	Vertical	91	1.95	-
5300MHz	Pass	AV	5.3544G	53.21	54.00	-0.79	4.38	3	Vertical	91	1.95	-
5300MHz	Pass	PK	5.2964G	117.45	Inf	-Inf	4.33	3	Vertical	91	1.95	-
5300MHz	Pass	PK	5.3524G	69.38	74.00	-4.62	4.38	3	Vertical	91	1.95	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5300MHz	Pass	AV	10.6001G	46.87	54.00	-7.13	14.41	3	Vertical	230	2.29	-
5300MHz	Pass	PK	10.6113G	61.70	74.00	-12.30	14.43	3	Vertical	230	2.29	-
5300MHz	Pass	AV	10.5803G	44.88	54.00	-9.12	14.37	3	Horizontal	356	1.09	-
5300MHz	Pass	PK	10.5793G	58.51	74.00	-15.49	14.37	3	Horizontal	356	1.09	-
5320MHz	Pass	AV	5.3136G	104.55	Inf	-Inf	4.35	3	Vertical	85	1.96	-
5320MHz	Pass	AV	5.3512G	53.25	54.00	-0.75	4.38	3	Vertical	85	1.96	-
5320MHz	Pass	PK	5.3132G	114.74	Inf	-Inf	4.35	3	Vertical	85	1.96	-
5320MHz	Pass	PK	5.3506G	67.53	74.00	-6.47	4.38	3	Vertical	85	1.96	-
5320MHz	Pass	AV	10.63614G	43.58	54.00	-10.42	14.49	3	Vertical	268	1.86	-
5320MHz	Pass	PK	10.64368G	56.89	74.00	-17.11	14.50	3	Vertical	268	1.86	-
5320MHz	Pass	AV	10.63574G	43.23	54.00	-10.77	14.49	3	Horizontal	88	1.38	-
5320MHz	Pass	PK	10.64378G	57.00	74.00	-17.00	14.50	3	Horizontal	88	1.38	-
5500MHz	Pass	AV	5.4596G	52.04	54.00	-1.96	4.51	3	Vertical	92	1.88	-
5500MHz	Pass	AV	5.4952G	106.22	Inf	-Inf	4.56	3	Vertical	92	1.88	-
5500MHz	Pass	PK	5.4692G	67.85	68.20	-0.35	4.52	3	Vertical	92	1.88	-
5500MHz	Pass	PK	5.4956G	116.54	Inf	-Inf	4.56	3	Vertical	92	1.88	-
5500MHz	Pass	AV	10.997G	43.79	54.00	-10.21	15.28	3	Vertical	132	1.12	-
5500MHz	Pass	PK	10.99676G	58.17	74.00	-15.83	15.28	3	Vertical	132	1.12	-
5500MHz	Pass	AV	10.989G	43.99	54.00	-10.01	15.26	3	Horizontal	212	1.33	-
5500MHz	Pass	PK	10.9931G	57.33	74.00	-16.67	15.27	3	Horizontal	212	1.33	-
5580MHz	Pass	AV	5.4318G	49.88	54.00	-4.12	4.48	3	Vertical	102	1.82	-
5580MHz	Pass	AV	5.5824G	105.83	Inf	-Inf	4.72	3	Vertical	102	1.82	-
5580MHz	Pass	PK	5.4648G	61.70	68.20	-6.50	4.52	3	Vertical	102	1.82	-
5580MHz	Pass	PK	5.5824G	116.61	Inf	-Inf	4.72	3	Vertical	102	1.82	-
5580MHz	Pass	PK	5.7258G	58.88	68.20	-9.32	5.05	3	Vertical	102	1.82	-
5580MHz	Pass	AV	11.1596G	47.78	54.00	-6.22	15.11	3	Vertical	51	2.76	-
5580MHz	Pass	PK	11.1606G	60.63	74.00	-13.37	15.11	3	Vertical	51	2.76	-
5580MHz	Pass	AV	11.1597G	44.11	54.00	-9.89	15.11	3	Horizontal	105	2.05	-
5580MHz	Pass	PK	11.1627G	57.38	74.00	-16.62	15.10	3	Horizontal	105	2.05	-
5700MHz	Pass	AV	5.7064G	100.44	Inf	-Inf	5.01	3	Vertical	256	2.11	-
5700MHz	Pass	PK	5.7072G	110.48	Inf	-Inf	5.01	3	Vertical	256	2.11	-
5700MHz	Pass	PK	5.7252G	68.08	68.20	-0.12	5.05	3	Vertical	256	2.11	-
5700MHz	Pass	AV	11.39572G	41.75	54.00	-12.25	14.87	3	Vertical	321	1.71	-
5700MHz	Pass	PK	11.40318G	56.13	74.00	-17.87	14.86	3	Vertical	321	1.71	-
5700MHz	Pass	AV	11.39554G	41.96	54.00	-12.04	14.87	3	Horizontal	62	2.41	-
5700MHz	Pass	PK	11.3979G	56.13	74.00	-17.87	14.86	3	Horizontal	62	2.41	-
5745MHz	Pass	AV	5.739G	105.86	Inf	-Inf	5.08	3	Vertical	108	2.14	-
5745MHz	Pass	PK	5.4678G	61.84	68.20	-6.36	4.52	3	Vertical	108	2.14	-
5745MHz	Pass	PK	5.7414G	116.37	Inf	-Inf	5.09	3	Vertical	108	2.14	-
5745MHz	Pass	PK	5.9754G	59.80	68.20	-8.40	5.40	3	Vertical	108	2.14	-
5745MHz	Pass	AV	11.4875G	48.43	54.00	-5.57	14.76	3	Vertical	50	1.11	-
5745MHz	Pass	PK	11.49406G	62.65	74.00	-11.35	14.76	3	Vertical	50	1.11	-
5745MHz	Pass	AV	11.49456G	46.51	54.00	-7.49	14.76	3	Horizontal	160	2.29	-
5745MHz	Pass	PK	11.49164G	59.84	74.00	-14.16	14.76	3	Horizontal	160	2.29	-
5785MHz	Pass	AV	5.7802G	105.68	Inf	-Inf	5.18	3	Vertical	259	2.09	-
5785MHz	Pass	PK	5.533G	61.30	68.20	-6.90	4.62	3	Vertical	259	2.09	-
5785MHz	Pass	PK	5.7802G	116.20	Inf	-Inf	5.18	3	Vertical	259	2.09	-
5785MHz	Pass	PK	5.9362G	59.37	68.20	-8.83	5.36	3	Vertical	259	2.09	-
5785MHz	Pass	AV	11.56602G	48.41	54.00	-5.59	14.69	3	Vertical	29	2.28	-

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	11.5672G	62.21	74.00	-11.79	14.69	3	Vertical	29	2.28	-
5785MHz	Pass	AV	11.56622G	46.02	54.00	-7.98	14.69	3	Horizontal	20	1.64	-
5785MHz	Pass	PK	11.56782G	60.52	74.00	-13.48	14.69	3	Horizontal	20	1.64	-
5825MHz	Pass	AV	5.8202G	106.75	Inf	-Inf	5.26	3	Vertical	258	2.15	-
5825MHz	Pass	PK	5.5394G	61.03	68.20	-7.17	4.64	3	Vertical	258	2.15	-
5825MHz	Pass	PK	5.8214G	117.88	Inf	-Inf	5.26	3	Vertical	258	2.15	-
5825MHz	Pass	PK	5.9354G	59.54	68.20	-8.66	5.36	3	Vertical	258	2.15	-
5825MHz	Pass	AV	11.65382G	48.51	54.00	-5.49	14.60	3	Vertical	276	1.39	-
5825MHz	Pass	PK	11.65152G	62.51	74.00	-11.49	14.60	3	Vertical	276	1.39	-
5825MHz	Pass	AV	11.65154G	46.01	54.00	-7.99	14.60	3	Horizontal	247	1.35	-
5825MHz	Pass	PK	11.65102G	60.22	74.00	-13.78	14.60	3	Horizontal	247	1.35	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.15G	53.24	54.00	-0.76	4.16	3	Vertical	86	2.04	-
5190MHz	Pass	AV	5.1932G	96.63	Inf	-Inf	4.21	3	Vertical	86	2.04	-
5190MHz	Pass	PK	5.1492G	65.60	74.00	-8.40	4.16	3	Vertical	86	2.04	-
5190MHz	Pass	PK	5.1924G	106.73	Inf	-Inf	4.21	3	Vertical	86	2.04	-
5190MHz	Pass	AV	10.37924G	42.80	54.00	-11.20	13.93	3	Vertical	289	1.28	-
5190MHz	Pass	PK	10.37876G	56.78	74.00	-17.22	13.92	3	Vertical	289	1.28	-
5190MHz	Pass	AV	10.37814G	42.78	54.00	-11.22	13.92	3	Horizontal	217	1.30	-
5190MHz	Pass	PK	10.3821G	56.30	74.00	-17.70	13.94	3	Horizontal	217	1.30	-
5230MHz	Pass	AV	5.15G	53.61	54.00	-0.39	4.16	3	Vertical	53	2.05	-
5230MHz	Pass	AV	5.2324G	102.80	Inf	-Inf	4.26	3	Vertical	53	2.05	-
5230MHz	Pass	AV	5.3518G	49.32	54.00	-4.68	4.38	3	Vertical	53	2.05	-
5230MHz	Pass	PK	5.1496G	68.67	74.00	-5.33	4.16	3	Vertical	53	2.05	-
5230MHz	Pass	PK	5.215G	113.58	Inf	-Inf	4.24	3	Vertical	53	2.05	-
5230MHz	Pass	PK	5.3626G	63.28	74.00	-10.72	4.40	3	Vertical	53	2.05	-
5230MHz	Pass	AV	10.46264G	45.22	54.00	-8.78	14.11	3	Vertical	193	1.09	-
5230MHz	Pass	PK	10.4554G	59.20	74.00	-14.80	14.10	3	Vertical	193	1.09	-
5230MHz	Pass	AV	10.4587G	43.70	54.00	-10.30	14.10	3	Horizontal	231	2.19	-
5230MHz	Pass	PK	10.46128G	57.46	74.00	-16.54	14.10	3	Horizontal	231	2.19	-
5270MHz	Pass	AV	5.15G	47.55	54.00	-6.45	4.16	3	Vertical	81	2.02	-
5270MHz	Pass	AV	5.2682G	102.81	Inf	-Inf	4.30	3	Vertical	81	2.02	-
5270MHz	Pass	AV	5.35G	52.29	54.00	-1.71	4.38	3	Vertical	81	2.02	-
5270MHz	Pass	PK	5.1452G	60.39	74.00	-13.61	4.16	3	Vertical	81	2.02	-
5270MHz	Pass	PK	5.2724G	113.11	Inf	-Inf	4.30	3	Vertical	81	2.02	-
5270MHz	Pass	PK	5.3516G	66.16	74.00	-7.84	4.38	3	Vertical	81	2.02	-
5270MHz	Pass	AV	10.5478G	45.61	54.00	-8.39	14.30	3	Vertical	295	1.10	-
5270MHz	Pass	PK	10.5496G	59.27	74.00	-14.73	14.30	3	Vertical	295	1.10	-
5270MHz	Pass	AV	10.5422G	44.65	54.00	-9.35	14.28	3	Horizontal	89	2.01	-
5270MHz	Pass	PK	10.5456G	57.99	74.00	-16.01	14.29	3	Horizontal	89	2.01	-
5310MHz	Pass	AV	5.314G	98.25	Inf	-Inf	4.35	3	Vertical	87	1.91	-
5310MHz	Pass	AV	5.3516G	53.74	54.00	-0.26	4.38	3	Vertical	87	1.91	-
5310MHz	Pass	PK	5.294G	108.51	Inf	-Inf	4.33	3	Vertical	87	1.91	-
5310MHz	Pass	PK	5.352G	71.15	74.00	-2.85	4.38	3	Vertical	87	1.91	-
5310MHz	Pass	AV	10.61658G	43.43	54.00	-10.57	14.44	3	Vertical	116	2.31	-
5310MHz	Pass	PK	10.62156G	57.28	74.00	-16.72	14.46	3	Vertical	116	2.31	-
5310MHz	Pass	AV	10.61678G	43.50	54.00	-10.50	14.44	3	Horizontal	39	2.11	-
5310MHz	Pass	PK	10.61696G	56.99	74.00	-17.01	14.44	3	Horizontal	39	2.11	-
5510MHz	Pass	AV	5.4584G	46.38	54.00	-7.62	4.51	3	Vertical	54	2.05	-

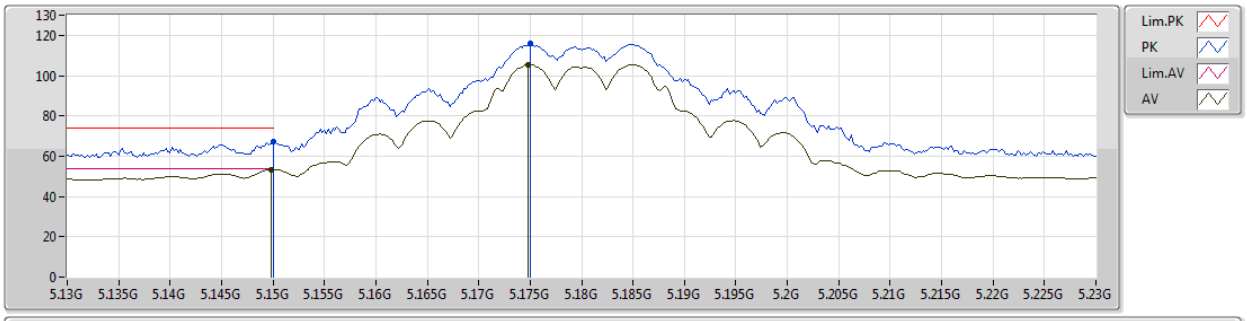
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5510MHz	Pass	AV	5.5124G	95.05	Inf	-Inf	4.59	3	Vertical	54	2.05	-
5510MHz	Pass	PK	5.4696G	68.05	68.20	-0.15	4.52	3	Vertical	54	2.05	-
5510MHz	Pass	PK	5.514G	105.16	Inf	-Inf	4.59	3	Vertical	54	2.05	-
5510MHz	Pass	AV	11.01742G	43.52	54.00	-10.48	15.27	3	Vertical	227	1.50	-
5510MHz	Pass	PK	11.0161G	57.58	74.00	-16.42	15.26	3	Vertical	227	1.50	-
5510MHz	Pass	AV	11.02222G	43.54	54.00	-10.46	15.26	3	Horizontal	336	1.85	-
5510MHz	Pass	PK	11.01808G	58.22	74.00	-15.78	15.27	3	Horizontal	336	1.85	-
5550MHz	Pass	AV	5.4528G	51.25	54.00	-2.75	4.50	3	Vertical	57	2.04	-
5550MHz	Pass	AV	5.5326G	101.35	Inf	-Inf	4.62	3	Vertical	57	2.04	-
5550MHz	Pass	PK	5.4696G	68.04	68.20	-0.16	4.52	3	Vertical	57	2.04	-
5550MHz	Pass	PK	5.5338G	111.47	Inf	-Inf	4.62	3	Vertical	57	2.04	-
5550MHz	Pass	AV	11.09726G	43.04	54.00	-10.96	15.17	3	Vertical	103	1.31	-
5550MHz	Pass	PK	11.10406G	57.09	74.00	-16.91	15.17	3	Vertical	103	1.31	-
5550MHz	Pass	AV	11.09512G	43.00	54.00	-11.00	15.18	3	Horizontal	163	2.19	-
5550MHz	Pass	PK	11.10056G	56.85	74.00	-17.15	15.17	3	Horizontal	163	2.19	-
5670MHz	Pass	AV	5.655G	97.61	Inf	-Inf	4.88	3	Vertical	262	1.50	-
5670MHz	Pass	PK	5.6544G	108.32	Inf	-Inf	4.88	3	Vertical	262	1.50	-
5670MHz	Pass	PK	5.7336G	68.04	68.20	-0.16	5.07	3	Vertical	262	1.50	-
5670MHz	Pass	AV	11.33922G	43.57	54.00	-10.43	14.93	3	Vertical	48	2.81	-
5670MHz	Pass	PK	11.33526G	57.45	74.00	-16.55	14.93	3	Vertical	48	2.81	-
5670MHz	Pass	AV	11.32512G	42.83	54.00	-11.17	14.94	3	Horizontal	162	1.37	-
5670MHz	Pass	PK	11.34444G	56.49	74.00	-17.51	14.92	3	Horizontal	162	1.37	-
5755MHz	Pass	AV	5.7514G	101.73	Inf	-Inf	5.12	3	Vertical	145	1.79	-
5755MHz	Pass	PK	5.6506G	68.02	68.64	-0.62	4.87	3	Vertical	145	1.79	-
5755MHz	Pass	PK	5.7514G	112.30	Inf	-Inf	5.12	3	Vertical	145	1.79	-
5755MHz	Pass	PK	5.9662G	61.34	68.20	-6.86	5.40	3	Vertical	145	1.79	-
5755MHz	Pass	AV	11.51204G	44.89	54.00	-9.11	14.75	3	Vertical	146	2.03	-
5755MHz	Pass	PK	11.51096G	59.37	74.00	-14.63	14.75	3	Vertical	146	2.03	-
5755MHz	Pass	AV	11.49692G	42.07	54.00	-11.93	14.75	3	Horizontal	300	1.79	-
5755MHz	Pass	PK	11.50448G	56.36	74.00	-17.64	14.75	3	Horizontal	300	1.79	-
5795MHz	Pass	AV	5.7842G	100.83	Inf	-Inf	5.20	3	Vertical	148	1.87	-
5795MHz	Pass	PK	5.5286G	60.13	68.20	-8.07	4.61	3	Vertical	148	1.87	-
5795MHz	Pass	PK	5.783G	111.31	Inf	-Inf	5.20	3	Vertical	148	1.87	-
5795MHz	Pass	PK	5.927G	63.96	68.20	-4.24	5.35	3	Vertical	148	1.87	-
5795MHz	Pass	AV	11.5913G	43.91	54.00	-10.09	14.66	3	Vertical	215	1.49	-
5795MHz	Pass	PK	11.59356G	58.00	74.00	-16.00	14.66	3	Vertical	215	1.49	-
5795MHz	Pass	AV	11.58934G	41.89	54.00	-12.11	14.66	3	Horizontal	192	1.28	-
5795MHz	Pass	PK	11.59468G	56.14	74.00	-17.86	14.65	3	Horizontal	192	1.28	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.145G	53.09	54.00	-0.91	4.16	3	Vertical	70	1.50	-
5210MHz	Pass	AV	5.21G	92.67	Inf	-Inf	4.24	3	Vertical	70	1.50	-
5210MHz	Pass	AV	5.363G	46.96	54.00	-7.04	4.40	3	Vertical	70	1.50	-
5210MHz	Pass	PK	5.143G	67.19	74.00	-6.81	4.16	3	Vertical	70	1.50	-
5210MHz	Pass	PK	5.241G	101.51	Inf	-Inf	4.26	3	Vertical	70	1.50	-
5210MHz	Pass	PK	5.374G	59.55	74.00	-14.45	4.41	3	Vertical	70	1.50	-
5210MHz	Pass	AV	10.4335G	43.32	54.00	-10.68	14.04	3	Vertical	350	2.30	-
5210MHz	Pass	PK	10.41394G	57.38	74.00	-16.62	14.01	3	Vertical	350	2.30	-
5210MHz	Pass	AV	10.43284G	43.34	54.00	-10.66	14.04	3	Horizontal	317	1.58	-
5210MHz	Pass	PK	10.40542G	56.99	74.00	-17.01	13.99	3	Horizontal	317	1.58	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5290MHz	Pass	AV	5.114G	44.95	54.00	-9.05	4.12	3	Vertical	95	1.50	-
5290MHz	Pass	AV	5.318G	91.62	Inf	-Inf	4.35	3	Vertical	95	1.50	-
5290MHz	Pass	AV	5.357G	52.73	54.00	-1.27	4.39	3	Vertical	95	1.50	-
5290MHz	Pass	PK	5.106G	57.88	74.00	-16.12	4.10	3	Vertical	95	1.50	-
5290MHz	Pass	PK	5.317G	101.62	Inf	-Inf	4.35	3	Vertical	95	1.50	-
5290MHz	Pass	PK	5.362G	67.99	74.00	-6.01	4.40	3	Vertical	95	1.50	-
5290MHz	Pass	AV	10.56638G	43.39	54.00	-10.61	14.34	3	Vertical	282	1.30	-
5290MHz	Pass	PK	10.58738G	57.43	74.00	-16.57	14.37	3	Vertical	282	1.30	-
5290MHz	Pass	AV	10.56662G	43.37	54.00	-10.63	14.34	3	Horizontal	322	1.90	-
5290MHz	Pass	PK	10.58774G	57.70	74.00	-16.30	14.38	3	Horizontal	322	1.90	-
5530MHz	Pass	AV	5.457G	53.09	54.00	-0.91	4.50	3	Vertical	110	1.50	-
5530MHz	Pass	AV	5.497G	92.65	Inf	-Inf	4.56	3	Vertical	110	1.50	-
5530MHz	Pass	PK	5.469G	63.23	68.20	-4.97	4.52	3	Vertical	110	1.50	-
5530MHz	Pass	PK	5.497G	102.95	Inf	-Inf	4.56	3	Vertical	110	1.50	-
5530MHz	Pass	PK	5.739G	58.10	68.20	-10.10	5.08	3	Vertical	110	1.50	-
5530MHz	Pass	AV	11.05502G	43.72	54.00	-10.28	15.22	3	Vertical	123	1.64	-
5530MHz	Pass	PK	11.06714G	57.57	74.00	-16.43	15.21	3	Vertical	123	1.64	-
5530MHz	Pass	AV	11.05322G	43.69	54.00	-10.31	15.23	3	Horizontal	303	1.64	-
5530MHz	Pass	PK	11.05346G	57.97	74.00	-16.03	15.23	3	Horizontal	303	1.64	-
5610MHz	Pass	AV	5.392G	48.52	54.00	-5.48	4.44	3	Vertical	91	1.50	-
5610MHz	Pass	AV	5.575G	92.76	Inf	-Inf	4.70	3	Vertical	91	1.50	-
5610MHz	Pass	PK	5.465G	61.04	68.20	-7.16	4.52	3	Vertical	91	1.50	-
5610MHz	Pass	PK	5.577G	103.08	Inf	-Inf	4.70	3	Vertical	91	1.50	-
5610MHz	Pass	PK	5.848G	58.84	68.20	-9.36	5.29	3	Vertical	91	1.50	-
5610MHz	Pass	AV	11.21742G	42.99	54.00	-11.01	15.06	3	Vertical	307	1.51	-
5610MHz	Pass	PK	11.22174G	57.34	74.00	-16.66	15.04	3	Vertical	307	1.51	-
5610MHz	Pass	AV	11.2347G	42.91	54.00	-11.09	15.03	3	Horizontal	37	1.58	-
5610MHz	Pass	PK	11.21934G	56.76	74.00	-17.24	15.05	3	Horizontal	37	1.58	-
5775MHz	Pass	AV	5.7522G	96.11	Inf	-Inf	5.12	3	Vertical	111	2.13	-
5775MHz	Pass	PK	5.5458G	60.62	68.20	-7.58	4.64	3	Vertical	111	2.13	-
5775MHz	Pass	PK	5.7534G	106.06	Inf	-Inf	5.12	3	Vertical	111	2.13	-
5775MHz	Pass	PK	5.9406G	58.99	68.20	-9.21	5.37	3	Vertical	111	2.13	-
5775MHz	Pass	AV	11.55078G	41.77	54.00	-12.23	14.70	3	Vertical	214	2.45	-
5775MHz	Pass	PK	11.54124G	56.25	74.00	-17.75	14.71	3	Vertical	214	2.45	-
5775MHz	Pass	AV	11.55078G	41.80	54.00	-12.20	14.70	3	Horizontal	324	1.99	-
5775MHz	Pass	PK	11.5608G	55.98	74.00	-18.02	14.69	3	Horizontal	324	1.99	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

29/12/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1498G	53.41	54.00	-0.59	4.16	3	Vertical	62	2.09	-
AV	5.1748G	105.32	Inf	-Inf	4.18	3	Vertical	62	2.09	-
PK	5.15G	67.46	74.00	-6.54	4.16	3	Vertical	62	2.09	-
PK	5.175G	115.95	Inf	-Inf	4.19	3	Vertical	62	2.09	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

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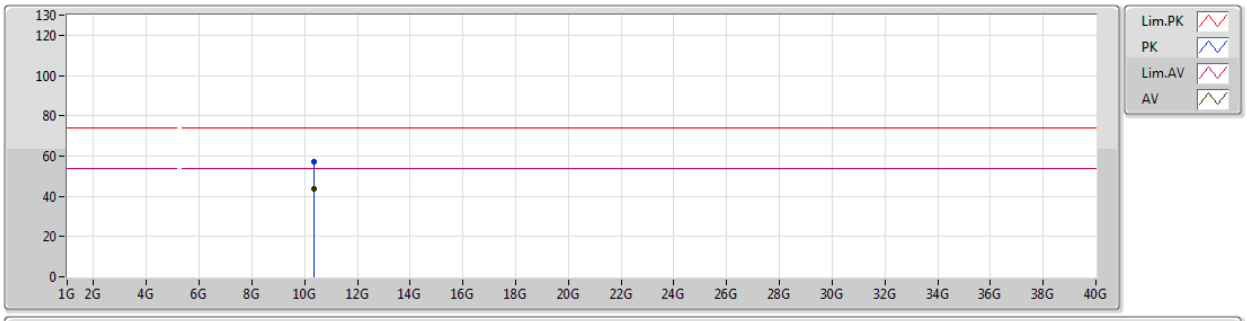
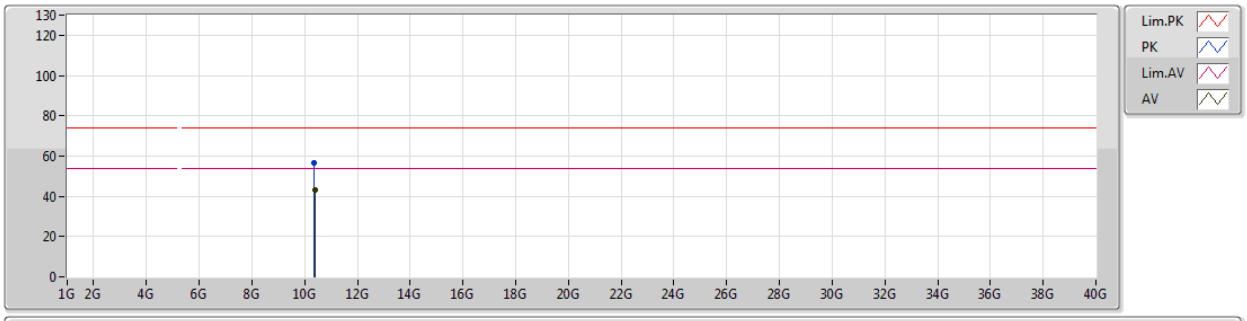


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.3603G	43.52	54.00	-10.48	13.88	3	Vertical	289	2.97	-
PK	10.3685G	57.00	74.00	-17.00	13.90	3	Vertical	289	2.97	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

29/12/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.3821G	43.03	54.00	-10.97	13.94	3	Horizontal	32	1.89	-
PK	10.335G	56.69	74.00	-17.31	13.82	3	Horizontal	32	1.89	-

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

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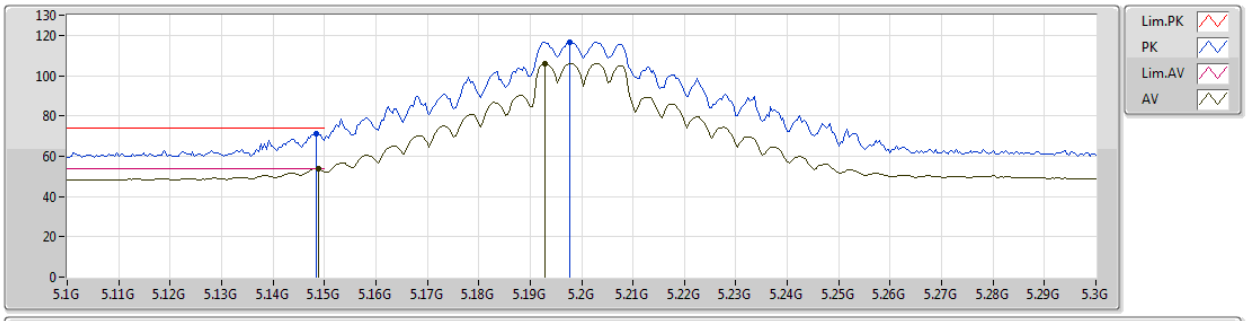
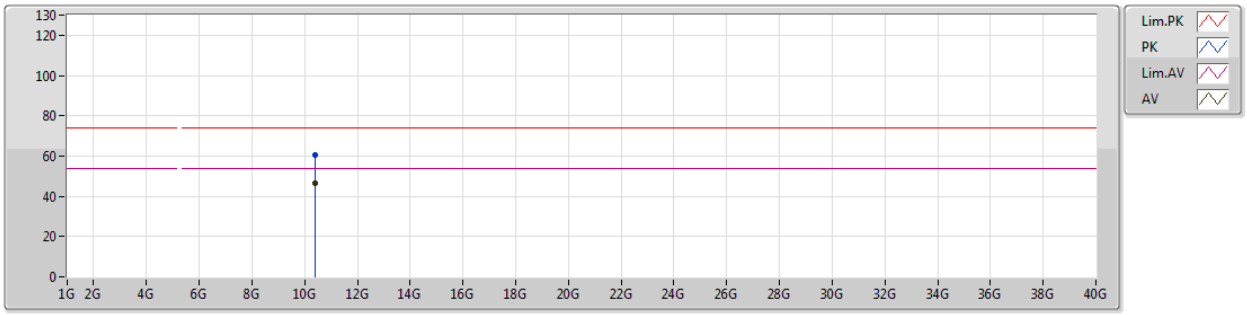


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1488G	53.86	54.00	-0.14	4.16	3	Vertical	84	2.04	-
AV	5.1928G	105.96	Inf	-Inf	4.21	3	Vertical	84	2.04	-
PK	5.1484G	71.02	74.00	-2.98	4.16	3	Vertical	84	2.04	-
PK	5.1976G	116.78	Inf	-Inf	4.22	3	Vertical	84	2.04	-

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

29/12/2018

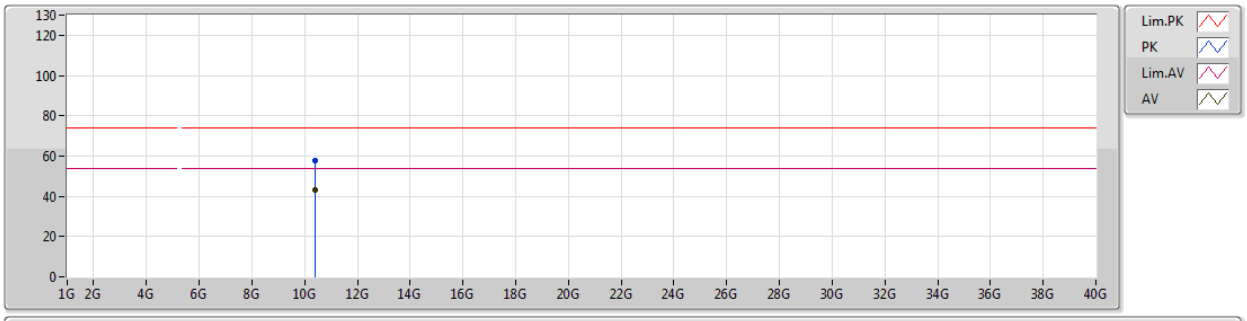


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.40984G	46.40	54.00	-7.60	13.99	3	Vertical	69	1.28	-
PK	10.39864G	60.29	74.00	-13.71	13.97	3	Vertical	69	1.28	-

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

29/12/2018

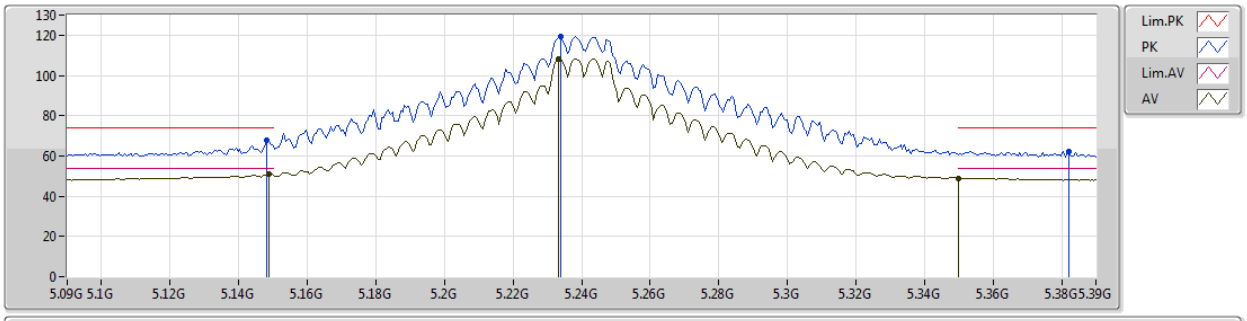


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.40956G	43.35	54.00	-10.65	13.99	3	Horizontal	156	1.61	-
PK	10.40996G	57.55	74.00	-16.45	13.99	3	Horizontal	156	1.61	-

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

29/12/2018

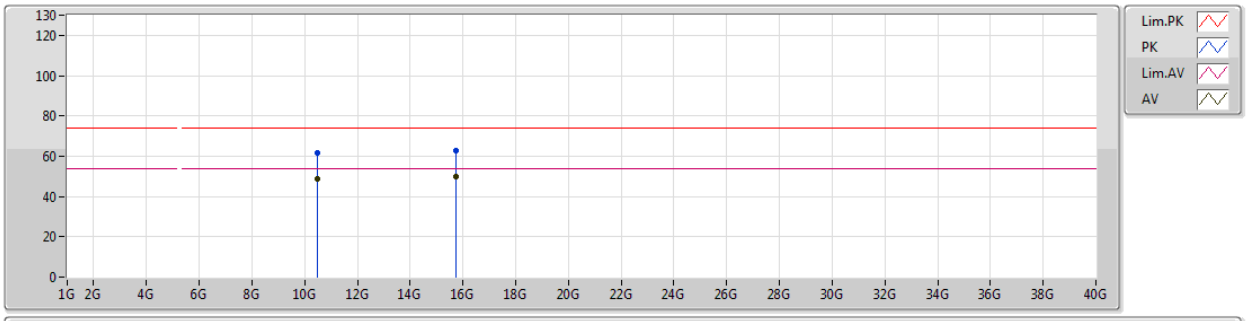


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1488G	50.82	54.00	-3.18	4.16	3	Vertical	52	2.14	-
AV	5.2334G	108.15	Inf	-Inf	4.26	3	Vertical	52	2.14	-
AV	5.35G	49.00	54.00	-5.00	4.38	3	Vertical	52	2.14	-
PK	5.1482G	67.88	74.00	-6.12	4.16	3	Vertical	52	2.14	-
PK	5.234G	119.55	Inf	-Inf	4.26	3	Vertical	52	2.14	-
PK	5.3822G	62.30	74.00	-11.70	4.42	3	Vertical	52	2.14	-

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

29/12/2018

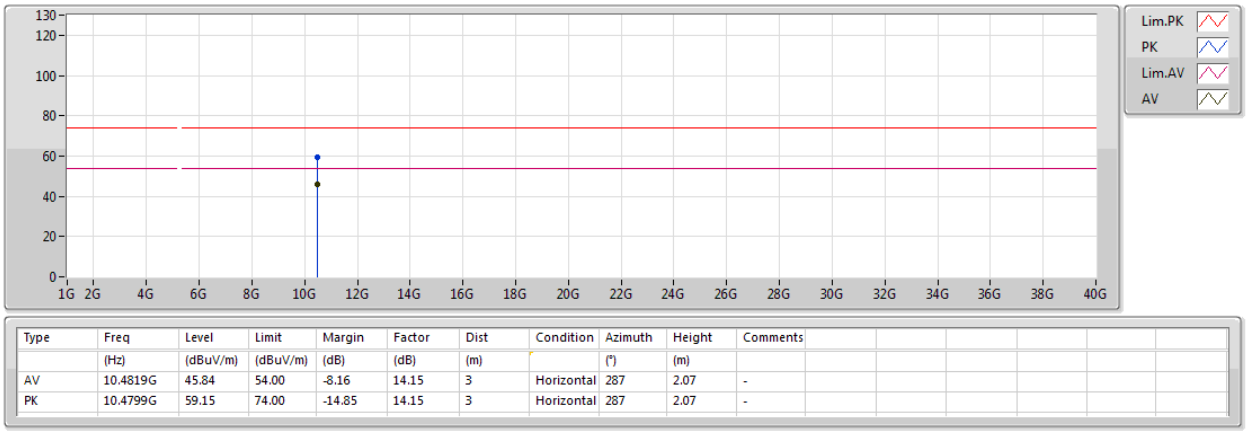


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4832G	48.53	54.00	-5.47	14.15	3	Vertical	171	1.63	-
AV	15.7211G	49.65	54.00	-4.35	14.20	3	Vertical	198	2.21	-
PK	10.4732G	61.84	74.00	-12.16	14.14	3	Vertical	171	1.63	-
PK	15.7206G	62.79	74.00	-11.21	14.20	3	Vertical	198	2.21	-

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

29/12/2018

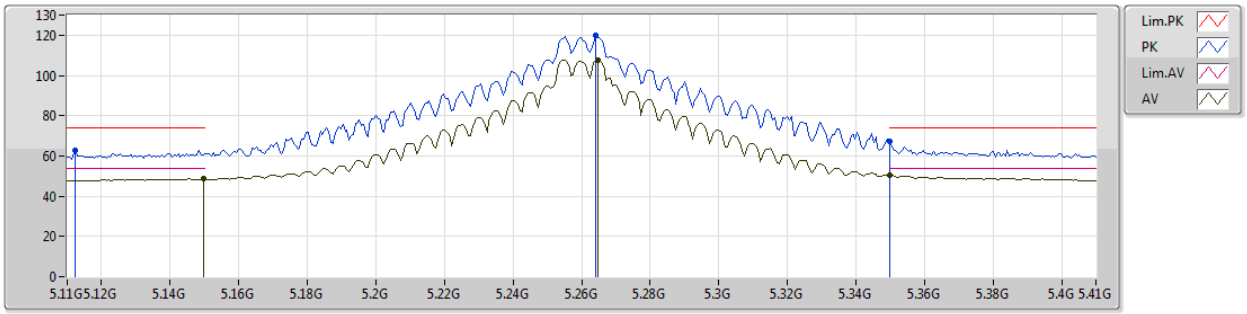


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4819G	45.84	54.00	-8.16	14.15	3	Horizontal	287	2.07	-
PK	10.4799G	59.15	74.00	-14.85	14.15	3	Horizontal	287	2.07	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

29/12/2018

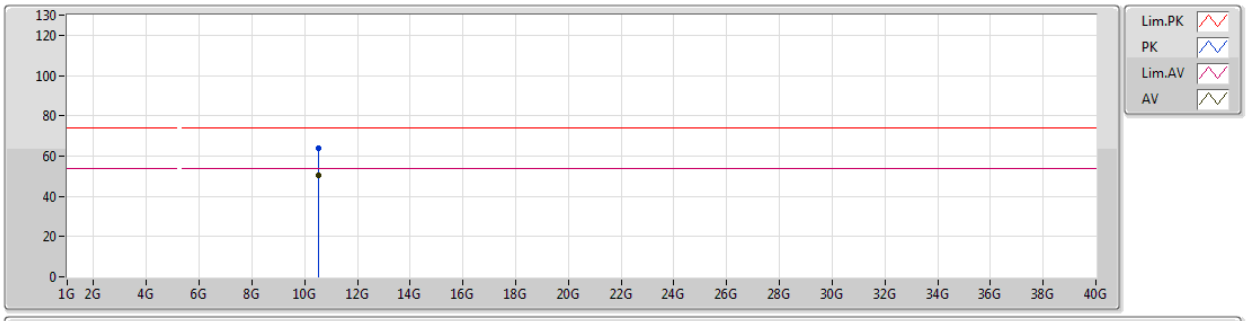


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1496G	48.58	54.00	-5.42	4.16	3	Vertical	64	1.98	-
AV	5.2648G	107.70	Inf	-Inf	4.30	3	Vertical	64	1.98	-
AV	5.35G	50.51	54.00	-3.49	4.38	3	Vertical	64	1.98	-
PK	5.1124G	62.91	74.00	-11.09	4.11	3	Vertical	64	1.98	-
PK	5.2642G	119.88	Inf	-Inf	4.30	3	Vertical	64	1.98	-
PK	5.35G	67.13	74.00	-6.87	4.38	3	Vertical	64	1.98	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

29/12/2018

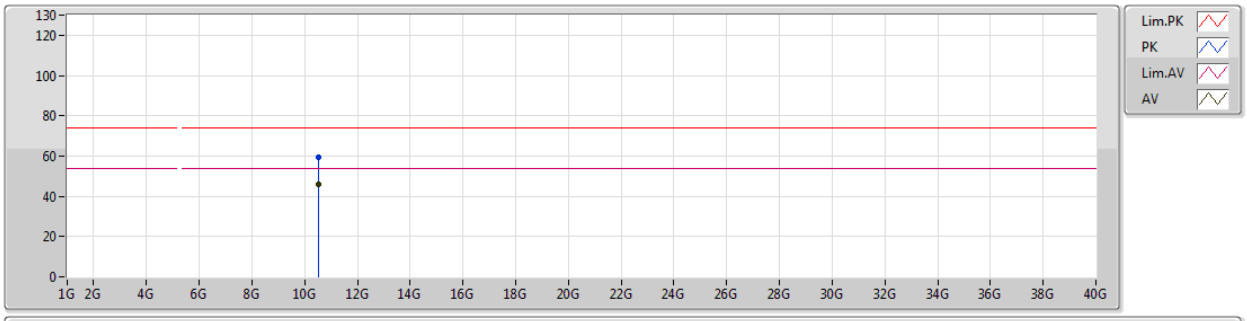


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.5228G	50.43	54.00	-3.57	14.24	3	Vertical	171	1.59	-
PK	10.523G	63.62	74.00	-10.38	14.24	3	Vertical	171	1.59	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

29/12/2018

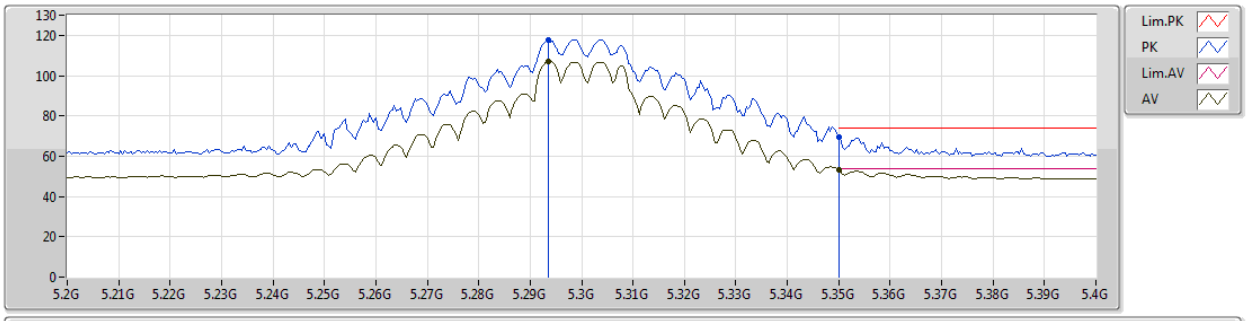


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.5212G	45.76	54.00	-8.24	14.24	3	Horizontal	148	1.60	-
PK	10.5216G	59.36	74.00	-14.64	14.24	3	Horizontal	148	1.60	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

29/12/2018

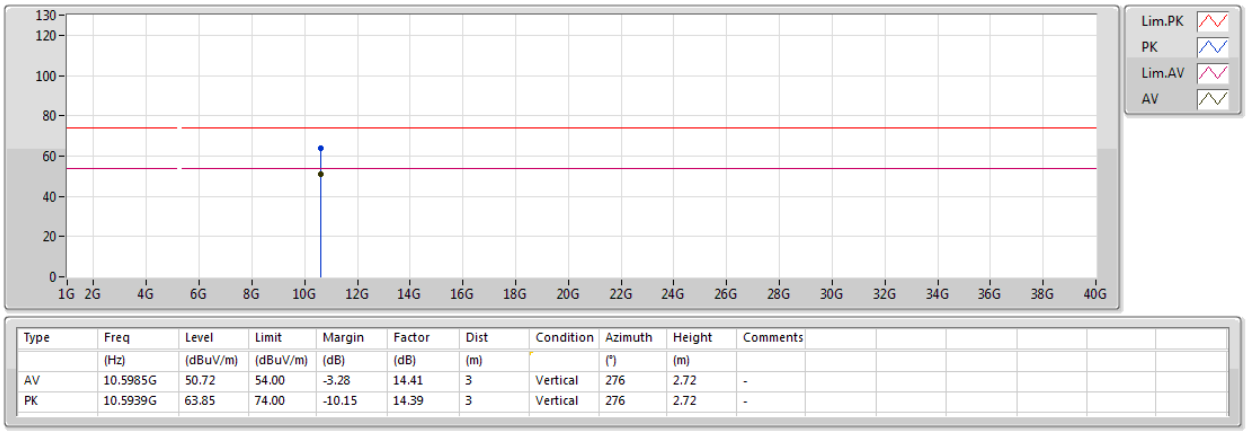


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.2936G	106.93	Inf	-Inf	4.33	3	Vertical	55	2.08	-
AV	5.35G	53.21	54.00	-0.79	4.38	3	Vertical	55	2.08	-
PK	5.2936G	117.75	Inf	-Inf	4.33	3	Vertical	55	2.08	-
PK	5.35G	69.59	74.00	-4.41	4.38	3	Vertical	55	2.08	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

29/12/2018

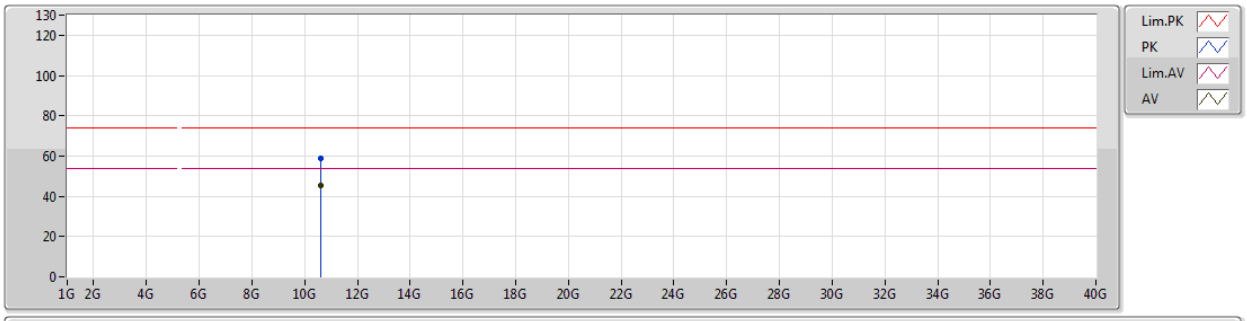


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.5985G	50.72	54.00	-3.28	14.41	3	Vertical	276	2.72	-
PK	10.5939G	63.85	74.00	-10.15	14.39	3	Vertical	276	2.72	-

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

29/12/2018

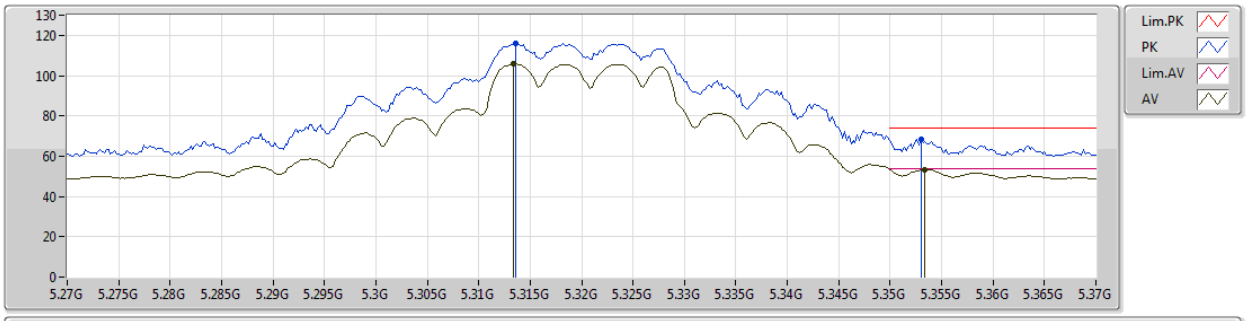


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.6007G	45.44	54.00	-8.56	14.41	3	Horizontal	133	1.80	-
PK	10.6003G	58.73	74.00	-15.27	14.41	3	Horizontal	133	1.80	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

29/12/2018

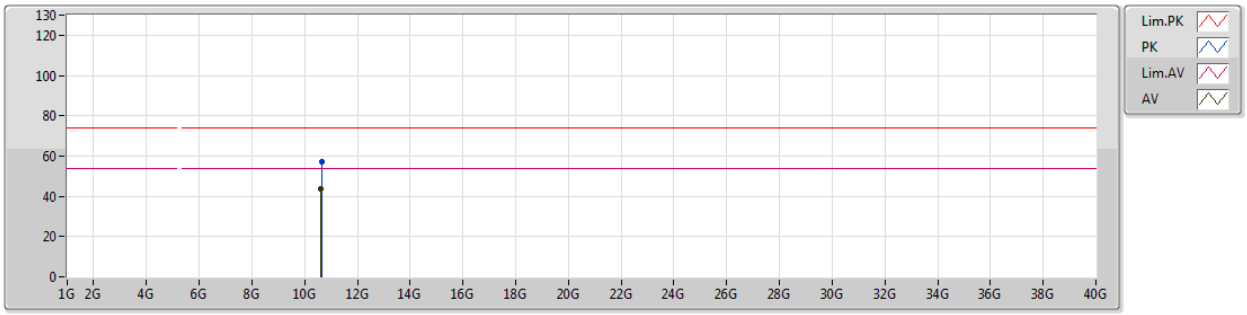


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3134G	105.68	Inf	-Inf	4.35	3	Vertical	52	2.02	-
AV	5.3534G	53.26	54.00	-0.74	4.38	3	Vertical	52	2.02	-
PK	5.3136G	115.97	Inf	-Inf	4.35	3	Vertical	52	2.02	-
PK	5.353G	68.32	74.00	-5.68	4.38	3	Vertical	52	2.02	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

29/12/2018

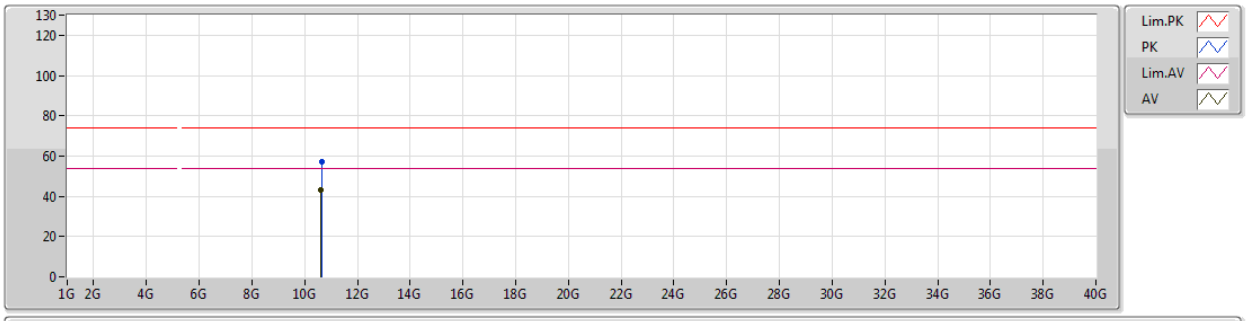


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.6159G	43.68	54.00	-10.32	14.44	3	Vertical	131	1.09	-
PK	10.637G	57.27	74.00	-16.73	14.49	3	Vertical	131	1.09	-

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

29/12/2018

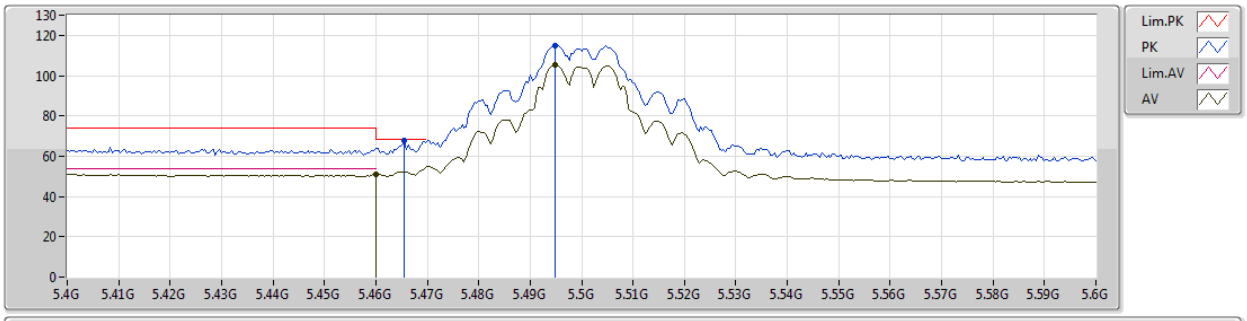


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.6316G	43.35	54.00	-10.65	14.48	3	Horizontal	190	2.00	-
PK	10.637G	57.37	74.00	-16.63	14.49	3	Horizontal	190	2.00	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

29/12/2018

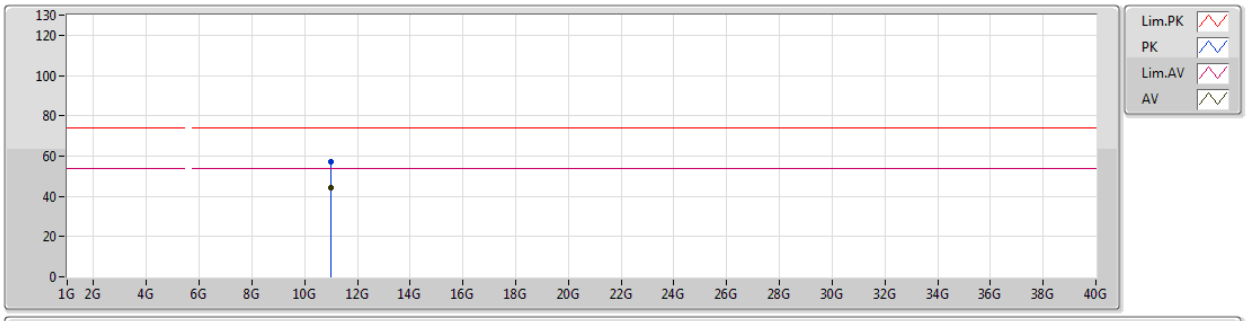


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.46G	50.96	54.00	-3.04	4.51	3	Vertical	84	1.90	-
AV	5.4948G	105.31	Inf	-Inf	4.56	3	Vertical	84	1.90	-
PK	5.4656G	67.89	68.20	-0.31	4.52	3	Vertical	84	1.90	-
PK	5.4948G	115.14	Inf	-Inf	4.56	3	Vertical	84	1.90	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

29/12/2018

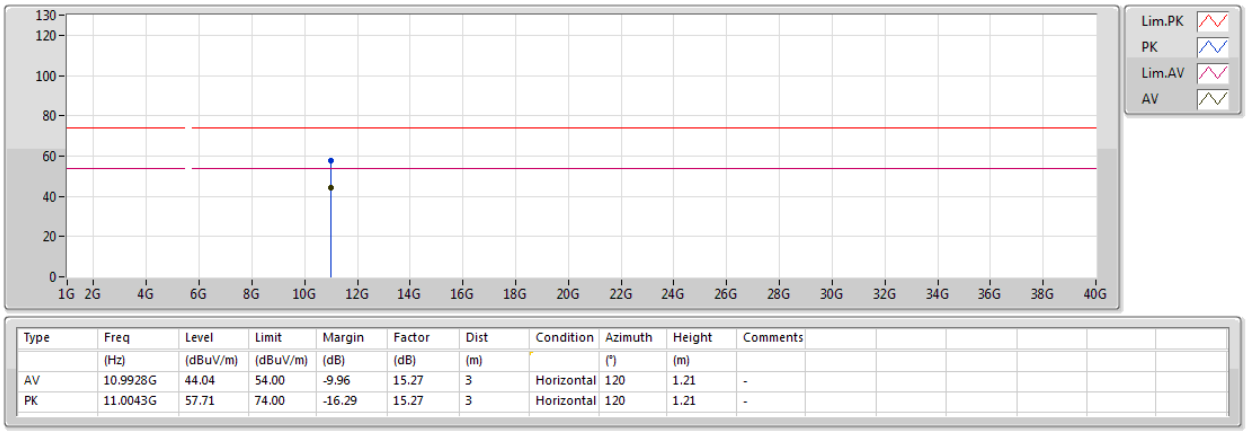


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.0029G	44.08	54.00	-9.92	15.28	3	Vertical	92	1.98	-
PK	11.0072G	57.32	74.00	-16.68	15.27	3	Vertical	92	1.98	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

29/12/2018

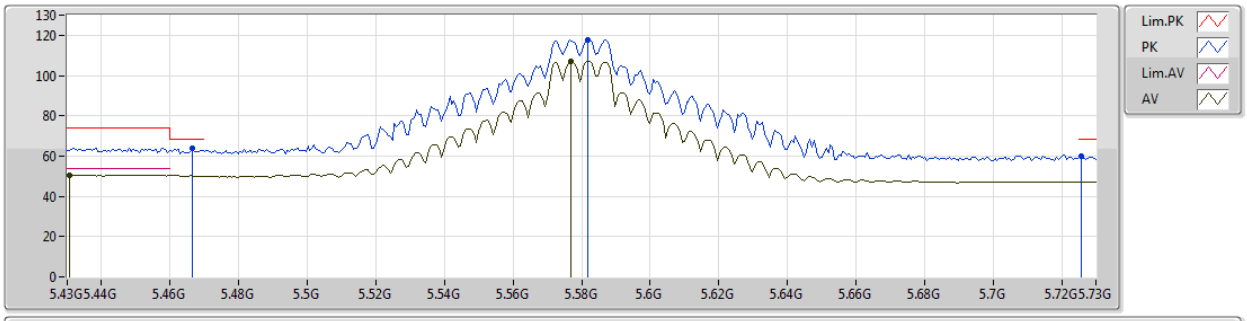


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.9928G	44.04	54.00	-9.96	15.27	3	Horizontal	120	1.21	-
PK	11.0043G	57.71	74.00	-16.29	15.27	3	Horizontal	120	1.21	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

29/12/2018

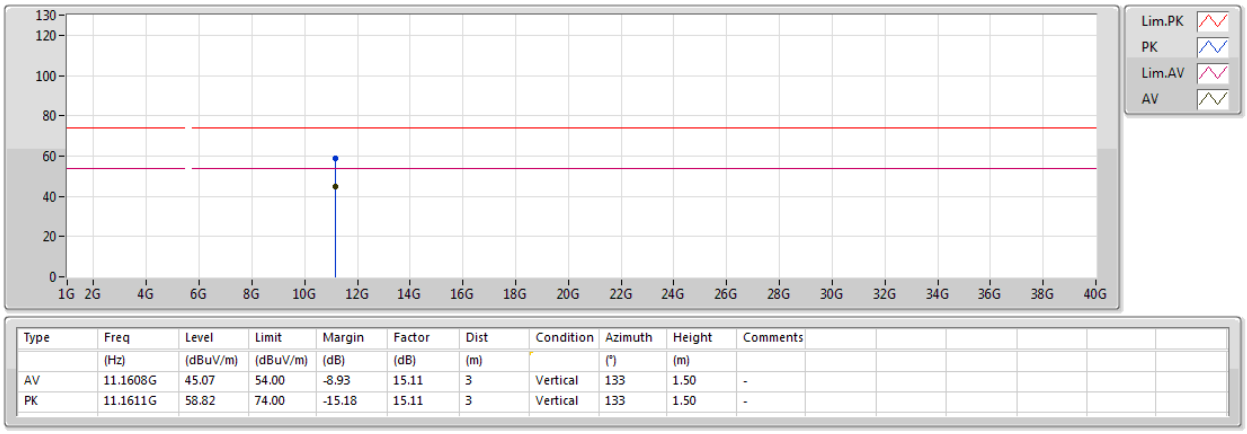


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4306G	50.68	54.00	-3.32	4.48	3	Vertical	82	2.05	-
AV	5.577G	106.91	Inf	-Inf	4.70	3	Vertical	82	2.05	-
PK	5.4666G	64.04	68.20	-4.16	4.52	3	Vertical	82	2.05	-
PK	5.5818G	117.51	Inf	-Inf	4.71	3	Vertical	82	2.05	-
PK	5.7258G	59.88	68.20	-8.32	5.05	3	Vertical	82	2.05	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

29/12/2018

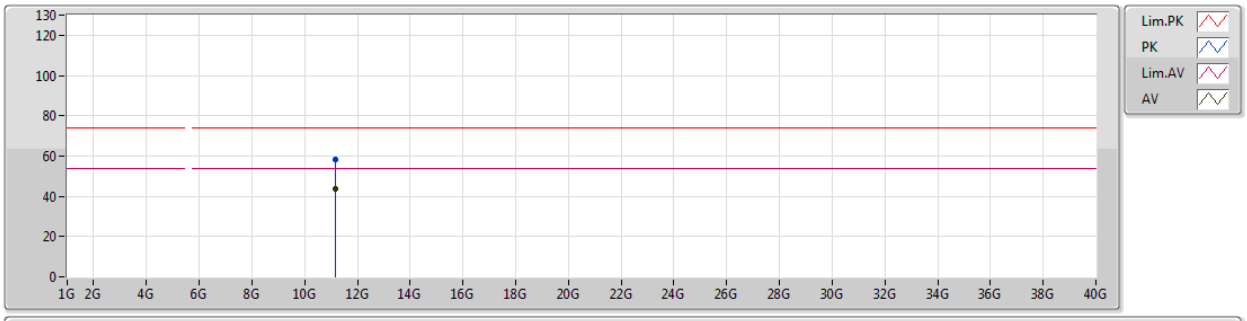


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.1608G	45.07	54.00	-8.93	15.11	3	Vertical	133	1.50	-
PK	11.1611G	58.82	74.00	-15.18	15.11	3	Vertical	133	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

29/12/2018

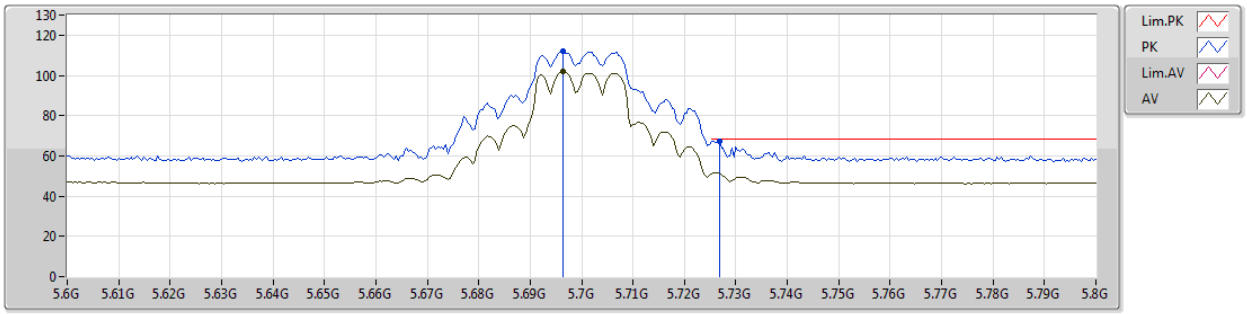


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.1586G	43.95	54.00	-10.05	15.11	3	Horizontal	132	1.36	-
PK	11.1523G	58.05	74.00	-15.95	15.13	3	Horizontal	132	1.36	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

29/12/2018

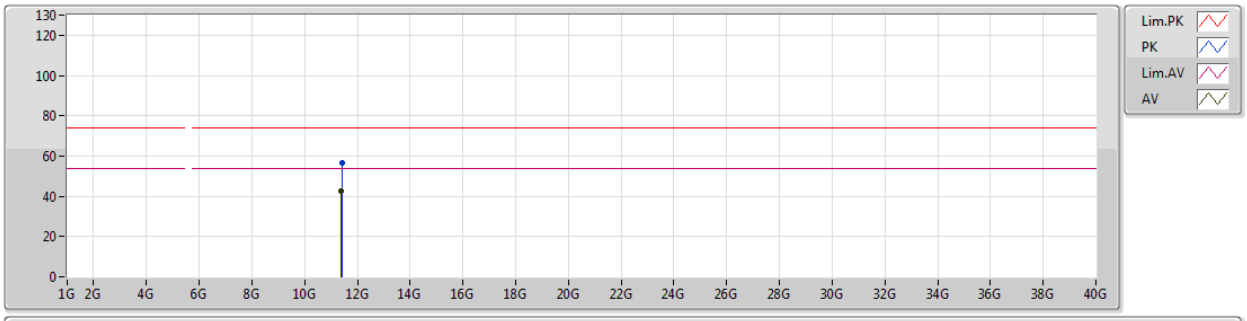


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.6964G	101.74	Inf	-Inf	4.98	3	Vertical	256	2.23	-
PK	5.6964G	112.03	Inf	-Inf	4.98	3	Vertical	256	2.23	-
PK	5.7268G	67.43	68.20	-0.77	5.05	3	Vertical	256	2.23	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

29/12/2018

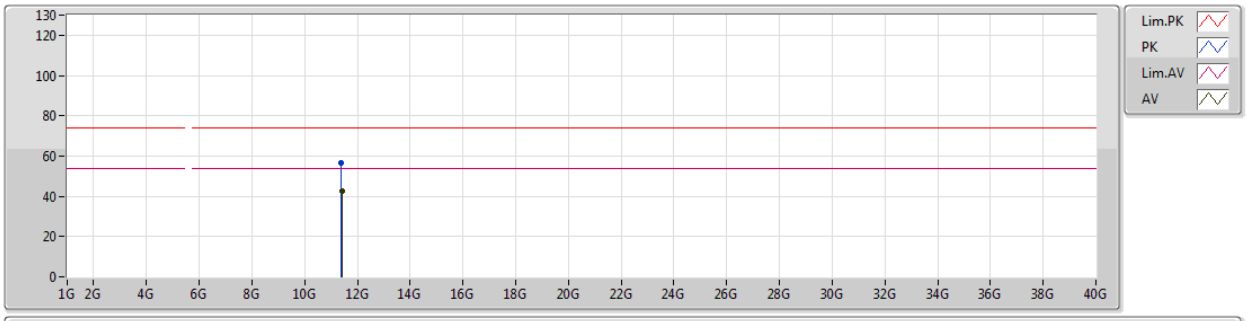


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.3873G	42.76	54.00	-11.24	14.88	3	Vertical	144	2.46	-
PK	11.4176G	56.50	74.00	-17.50	14.84	3	Vertical	144	2.46	-

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

29/12/2018

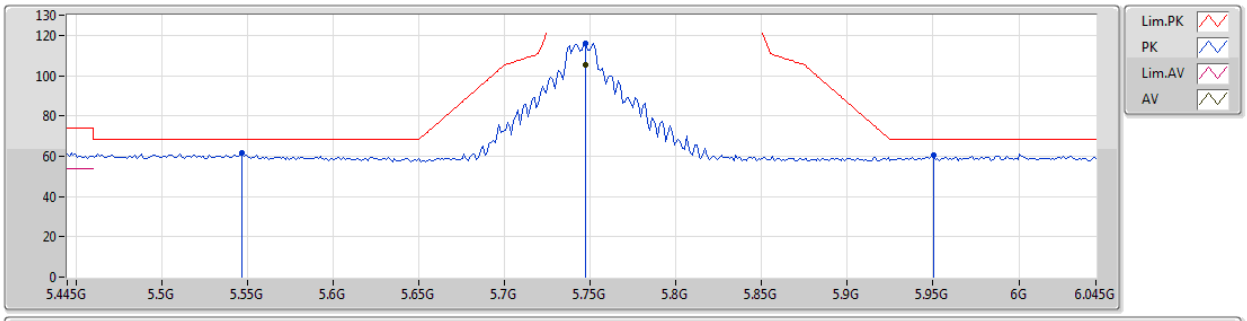


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.4039G	42.70	54.00	-11.30	14.87	3	Horizontal	43	1.58	-
PK	11.3823G	56.49	74.00	-17.51	14.88	3	Horizontal	43	1.58	-

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

29/12/2018

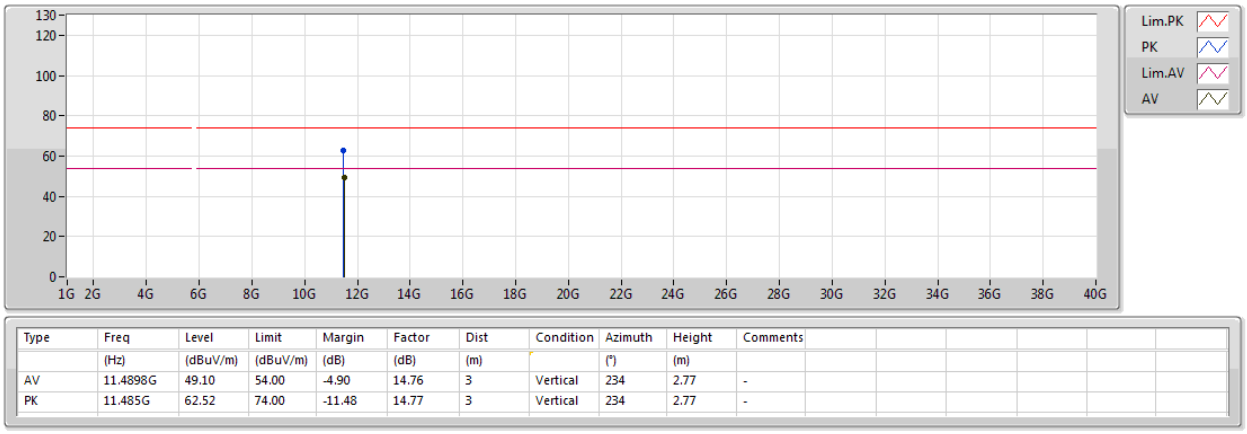


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7474G	105.34	Inf	-Inf	5.11	3	Vertical	256	2.08	-
PK	5.547G	61.74	68.20	-6.46	4.65	3	Vertical	256	2.08	-
PK	5.7474G	116.25	Inf	-Inf	5.11	3	Vertical	256	2.08	-
PK	5.9502G	60.54	68.20	-7.66	5.38	3	Vertical	256	2.08	-

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

29/12/2018

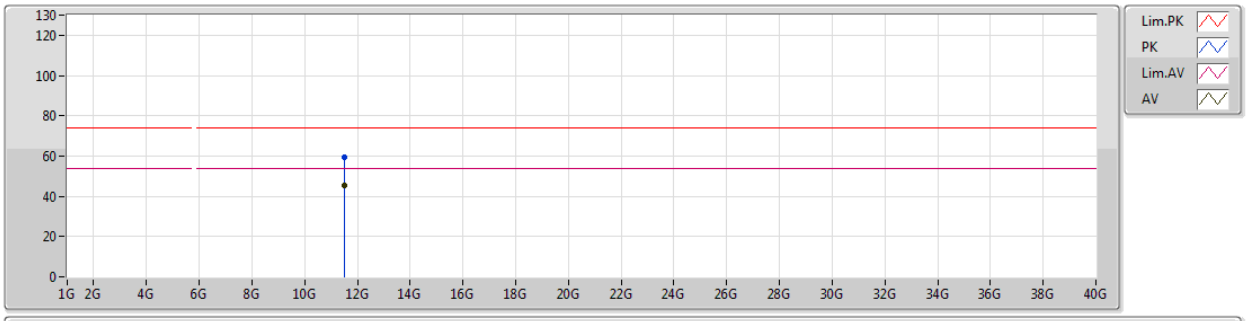


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.4898G	49.10	54.00	-4.90	14.76	3	Vertical	234	2.77	-
PK	11.485G	62.52	74.00	-11.48	14.77	3	Vertical	234	2.77	-

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

29/12/2018

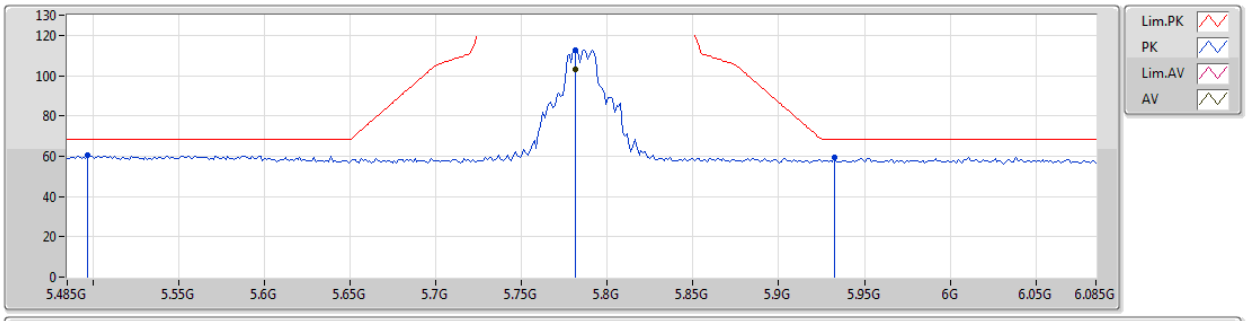


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.4883G	45.58	54.00	-8.42	14.76	3	Horizontal	281	2.04	-
PK	11.5071G	59.20	74.00	-14.80	14.75	3	Horizontal	281	2.04	-

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

29/12/2018

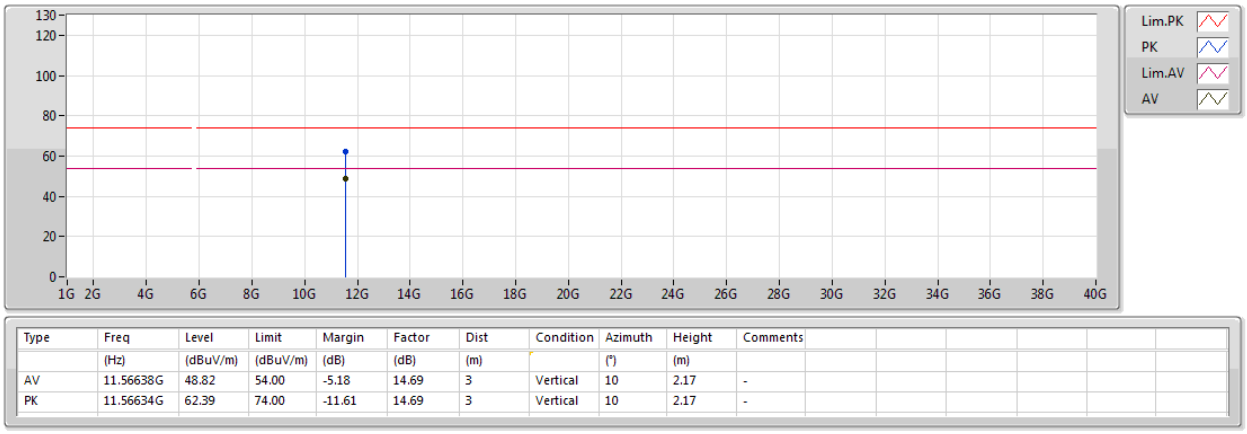


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7814G	103.17	Inf	-Inf	5.19	3	Vertical	259	2.09	-
PK	5.497G	60.78	68.20	-7.42	4.56	3	Vertical	259	2.09	-
PK	5.7814G	112.70	Inf	-Inf	5.19	3	Vertical	259	2.09	-
PK	5.9326G	59.64	68.20	-8.56	5.36	3	Vertical	259	2.09	-

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

29/12/2018

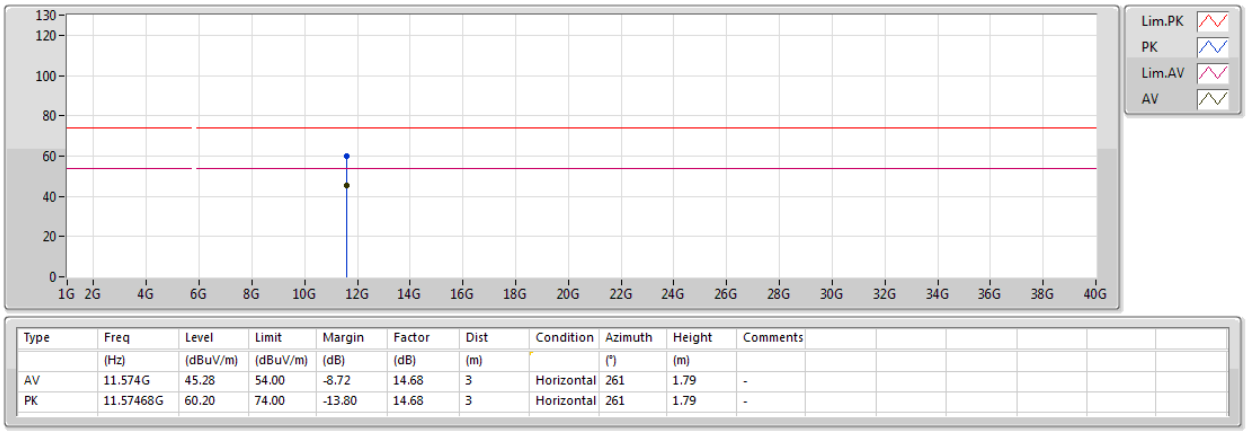


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.56638G	48.82	54.00	-5.18	14.69	3	Vertical	10	2.17	-
PK	11.56634G	62.39	74.00	-11.61	14.69	3	Vertical	10	2.17	-

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

29/12/2018

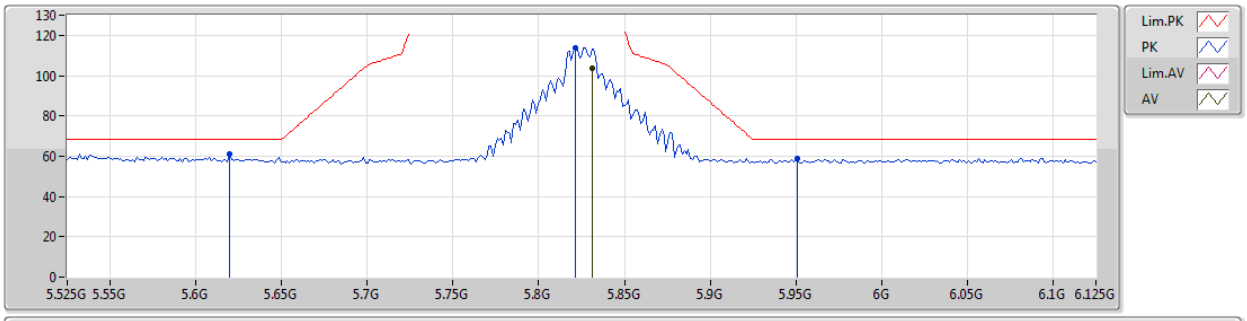


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.574G	45.28	54.00	-8.72	14.68	3	Horizontal	261	1.79	-
PK	11.57468G	60.20	74.00	-13.80	14.68	3	Horizontal	261	1.79	-

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

29/12/2018

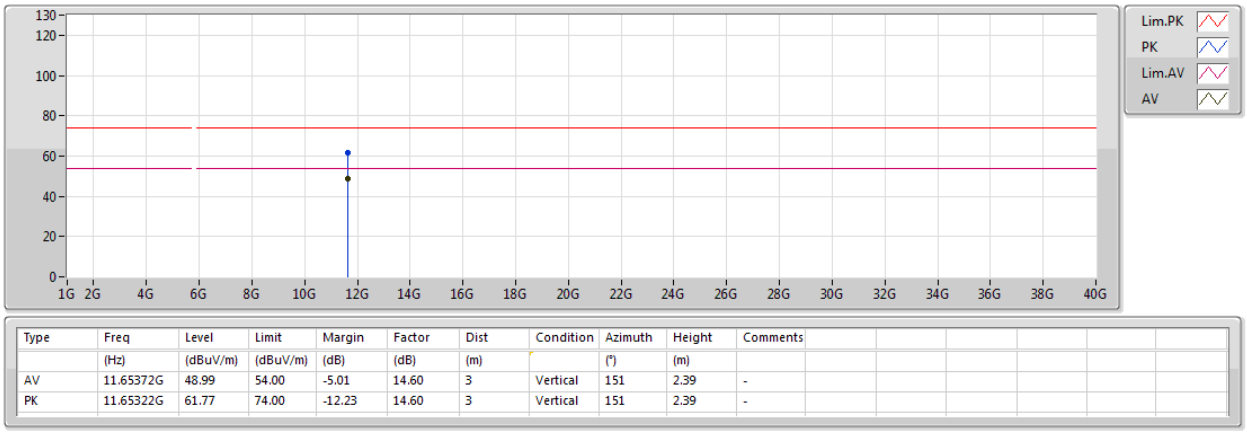


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.831G	103.59	Inf	-Inf	5.26	3	Vertical	147	2.00	-
PK	5.6198G	61.01	68.20	-7.19	4.80	3	Vertical	147	2.00	-
PK	5.8214G	113.82	Inf	-Inf	5.26	3	Vertical	147	2.00	-
PK	5.951G	58.95	68.20	-9.25	5.38	3	Vertical	147	2.00	-

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

29/12/2018

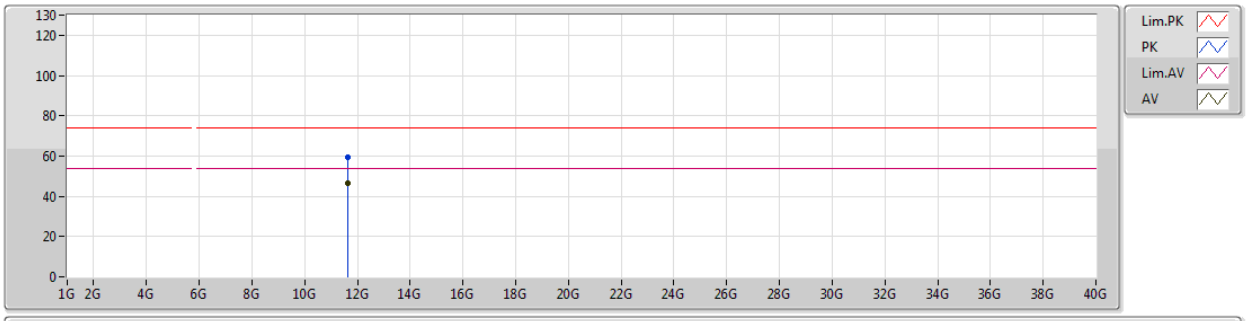


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.65372G	48.99	54.00	-5.01	14.60	3	Vertical	151	2.39	-
PK	11.65322G	61.77	74.00	-12.23	14.60	3	Vertical	151	2.39	-

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

29/12/2018

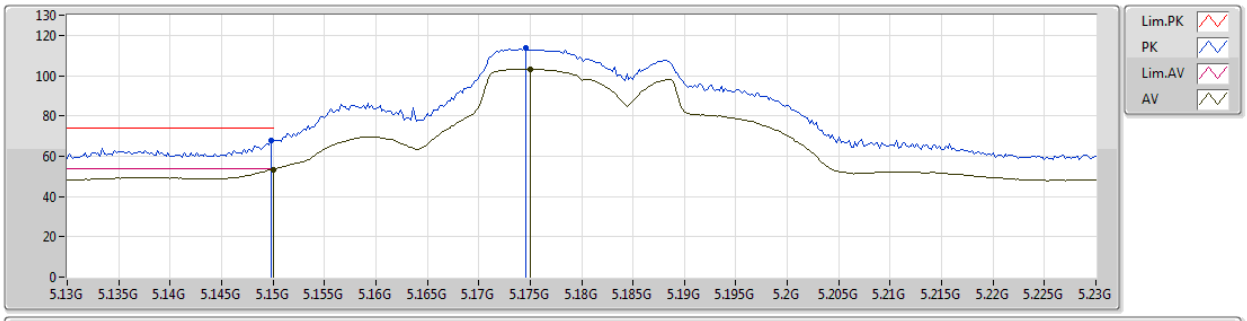


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.64798G	46.41	54.00	-7.59	14.60	3	Horizontal	169	1.43	-
PK	11.65102G	59.34	74.00	-14.66	14.60	3	Horizontal	169	1.43	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

29/12/2018

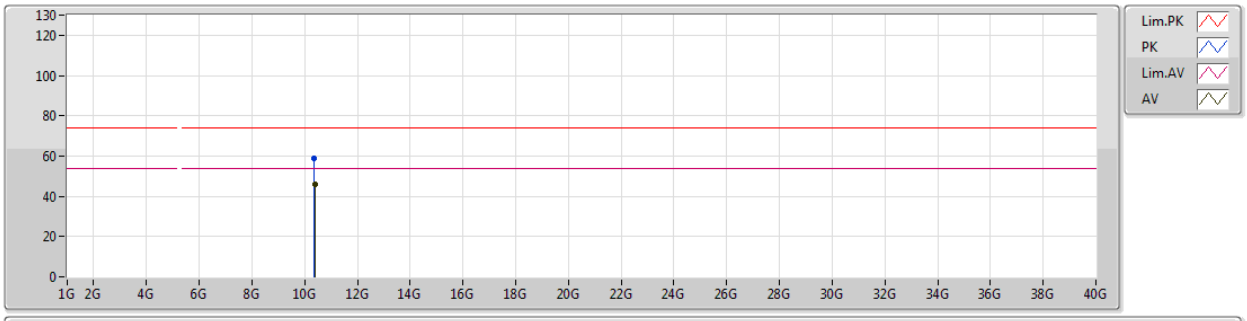


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	53.46	54.00	-0.54	4.16	3	Vertical	86	2.09	-
AV	5.175G	103.37	Inf	-Inf	4.19	3	Vertical	86	2.09	-
PK	5.1498G	67.65	74.00	-6.35	4.16	3	Vertical	86	2.09	-
PK	5.1746G	113.95	Inf	-Inf	4.18	3	Vertical	86	2.09	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

29/12/2018

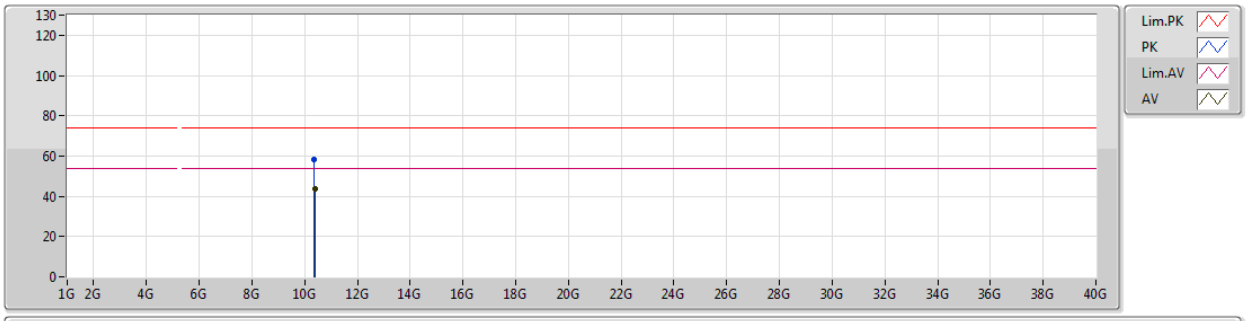


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.3839G	46.12	54.00	-7.88	13.94	3	Vertical	341	2.22	-
PK	10.3569G	58.66	74.00	-15.34	13.88	3	Vertical	341	2.22	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

29/12/2018

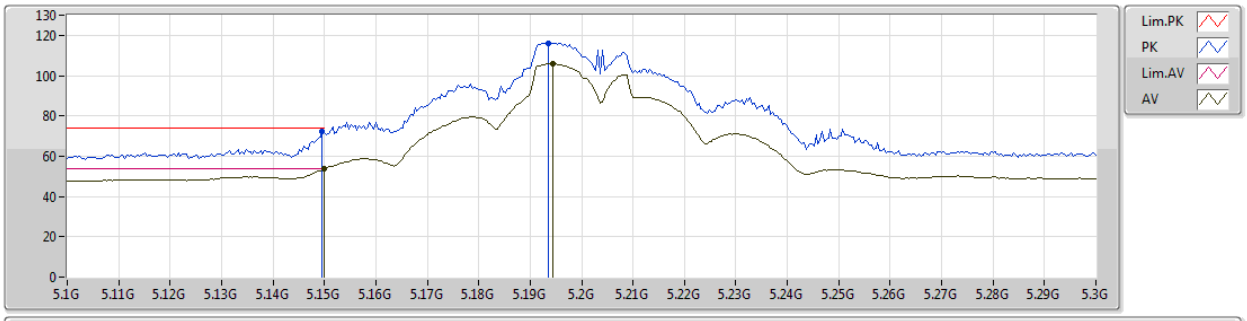


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.3816G	43.96	54.00	-10.04	13.94	3	Horizontal	325	1.04	-
PK	10.3599G	58.19	74.00	-15.81	13.88	3	Horizontal	325	1.04	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

29/12/2018

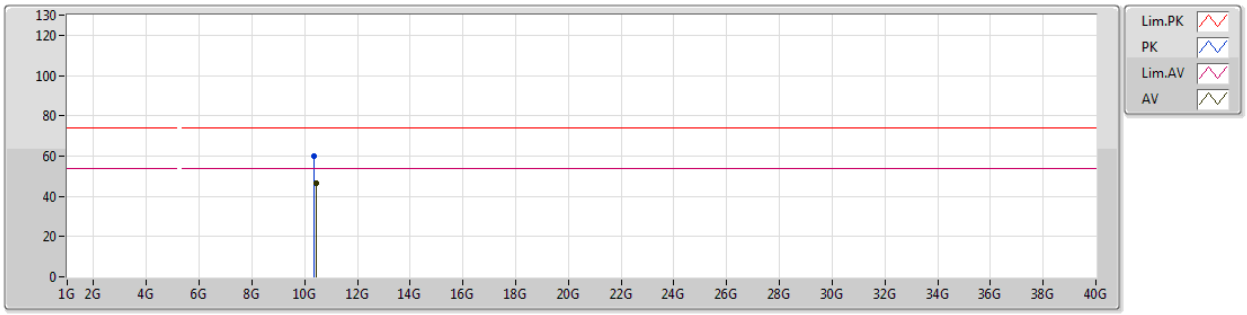


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	53.71	54.00	-0.29	4.16	3	Vertical	86	2.01	-
AV	5.1944G	105.93	Inf	-Inf	4.22	3	Vertical	86	2.01	-
PK	5.1496G	72.08	74.00	-1.92	4.16	3	Vertical	86	2.01	-
PK	5.1936G	116.20	Inf	-Inf	4.22	3	Vertical	86	2.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

29/12/2018

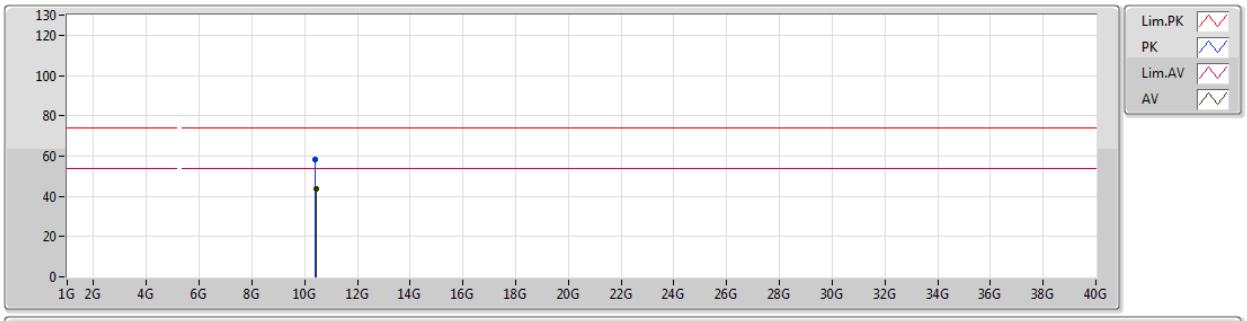


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4245G	46.45	54.00	-7.55	14.02	3	Vertical	88	1.75	-
PK	10.375G	60.10	74.00	-13.90	13.92	3	Vertical	88	1.75	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

29/12/2018

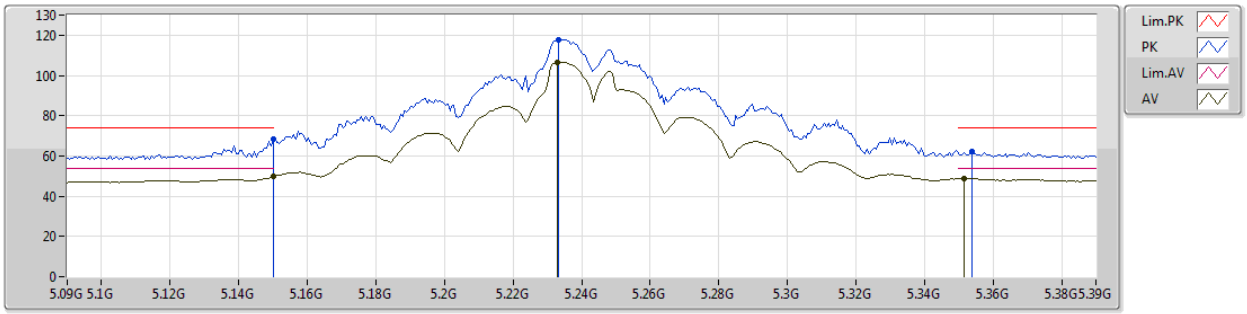


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.425G	43.94	54.00	-10.06	14.02	3	Horizontal	351	2.35	-
PK	10.4116G	58.34	74.00	-15.66	14.00	3	Horizontal	351	2.35	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

29/12/2018

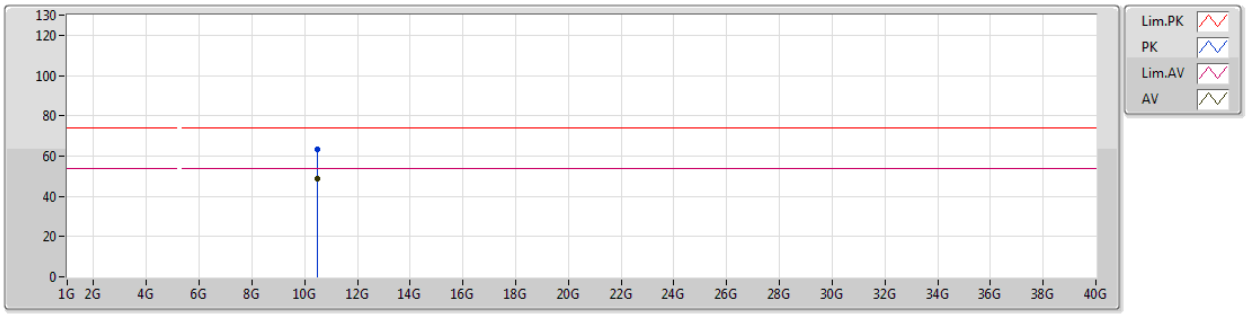


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	49.64	54.00	-4.36	4.16	3	Vertical	87	1.99	-
AV	5.2328G	106.46	Inf	-Inf	4.26	3	Vertical	87	1.99	-
AV	5.3516G	48.77	54.00	-5.23	4.38	3	Vertical	87	1.99	-
PK	5.15G	68.16	74.00	-5.84	4.16	3	Vertical	87	1.99	-
PK	5.2334G	117.92	Inf	-Inf	4.26	3	Vertical	87	1.99	-
PK	5.354G	61.93	74.00	-12.07	4.38	3	Vertical	87	1.99	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

29/12/2018

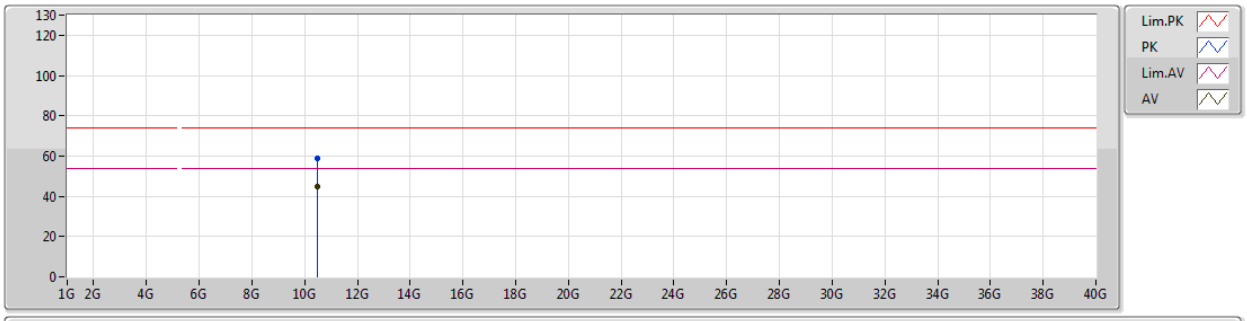


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4856G	48.64	54.00	-5.36	14.16	3	Vertical	71	1.08	-
PK	10.4862G	63.18	74.00	-10.82	14.16	3	Vertical	71	1.08	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

29/12/2018

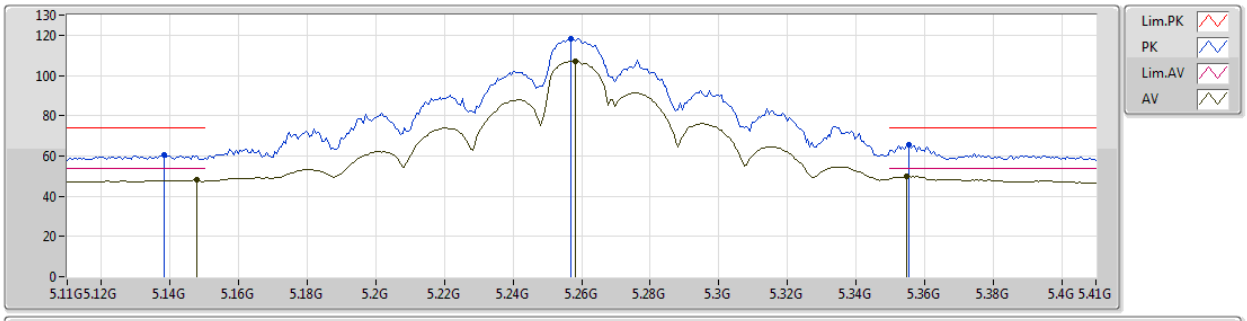


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4889G	44.63	54.00	-9.37	14.17	3	Horizontal	163	1.20	-
PK	10.4837G	59.11	74.00	-14.89	14.15	3	Horizontal	163	1.20	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

29/12/2018

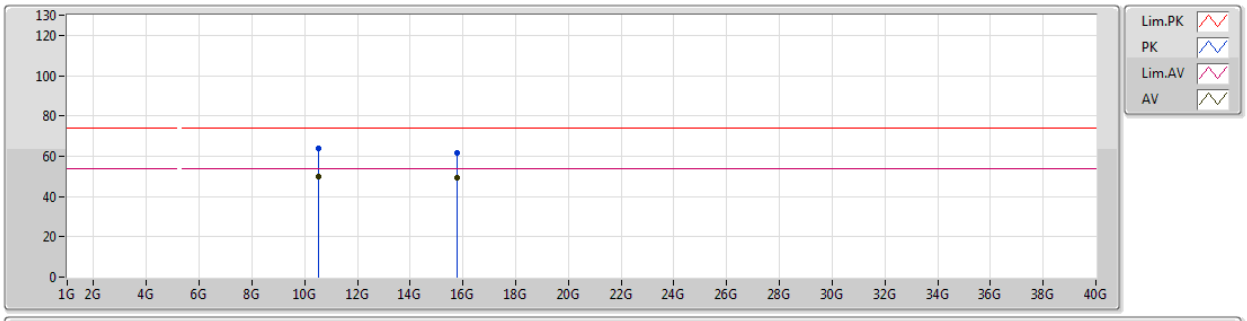


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1478G	48.00	54.00	-6.00	4.16	3	Vertical	0	1.50	-
AV	5.2582G	106.94	Inf	-Inf	4.28	3	Vertical	0	1.50	-
AV	5.3548G	50.03	54.00	-3.97	4.39	3	Vertical	0	1.50	-
PK	5.1382G	60.62	74.00	-13.38	4.14	3	Vertical	0	1.50	-
PK	5.257G	118.11	Inf	-Inf	4.28	3	Vertical	0	1.50	-
PK	5.3554G	65.36	74.00	-8.64	4.39	3	Vertical	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

29/12/2018

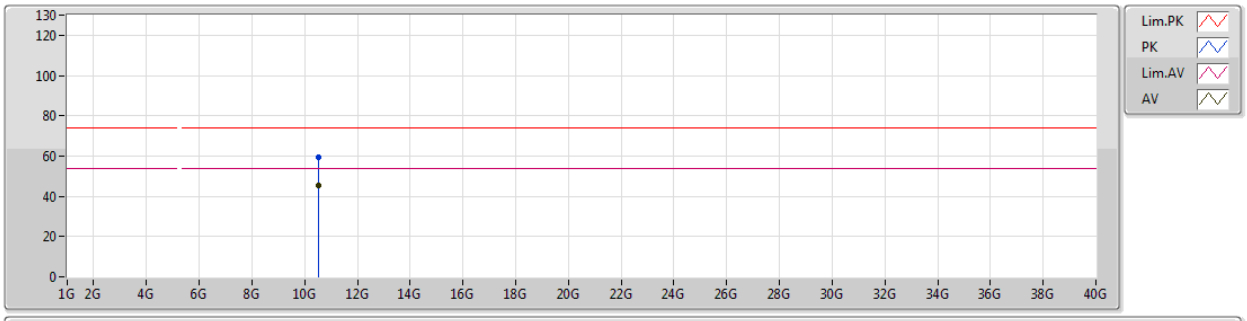


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.5146G	49.92	54.00	-4.08	14.22	3	Vertical	174	1.71	-
AV	15.7828G	49.34	54.00	-4.66	13.91	3	Vertical	198	2.15	-
PK	10.5159G	64.13	74.00	-9.87	14.23	3	Vertical	174	1.71	-
PK	15.7842G	61.80	74.00	-12.20	13.91	3	Vertical	198	2.15	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

29/12/2018

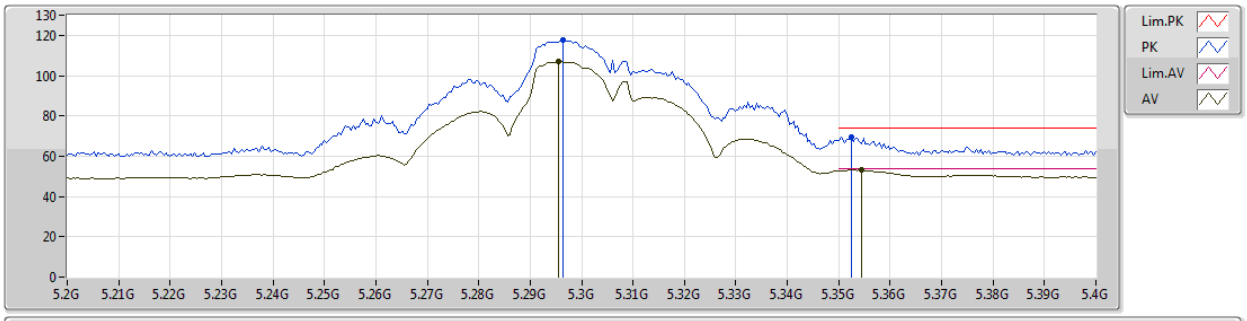


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.525G	45.46	54.00	-8.54	14.24	3	Horizontal	238	2.41	-
PK	10.51918G	59.45	74.00	-14.55	14.23	3	Horizontal	238	2.41	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

29/12/2018

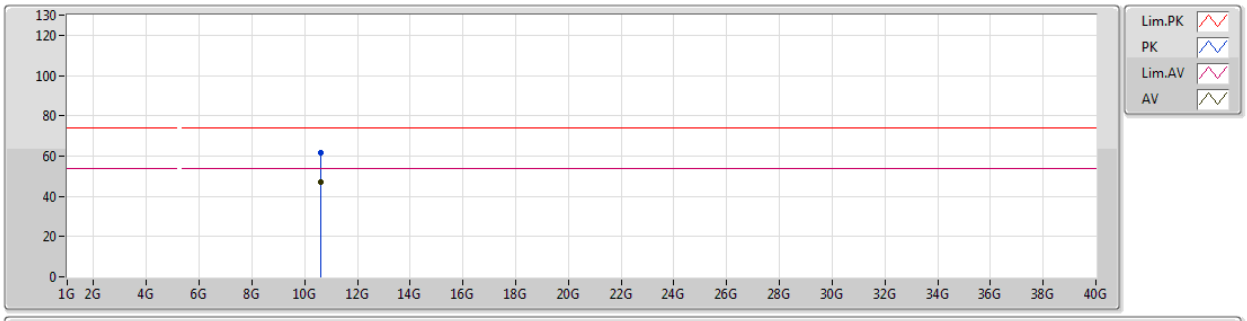


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.2956G	106.77	Inf	-Inf	4.33	3	Vertical	91	1.95	-
AV	5.3544G	53.21	54.00	-0.79	4.38	3	Vertical	91	1.95	-
PK	5.2964G	117.45	Inf	-Inf	4.33	3	Vertical	91	1.95	-
PK	5.3524G	69.38	74.00	-4.62	4.38	3	Vertical	91	1.95	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

29/12/2018

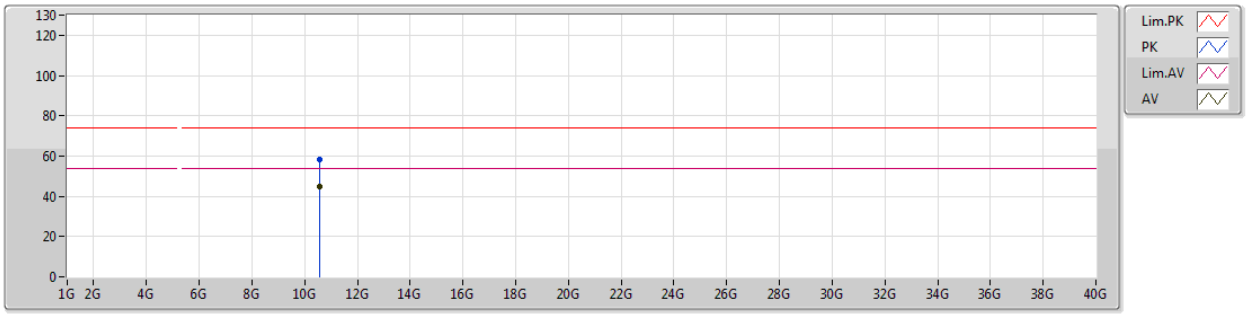


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.6001G	46.87	54.00	-7.13	14.41	3	Vertical	230	2.29	-
PK	10.6113G	61.70	74.00	-12.30	14.43	3	Vertical	230	2.29	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

29/12/2018

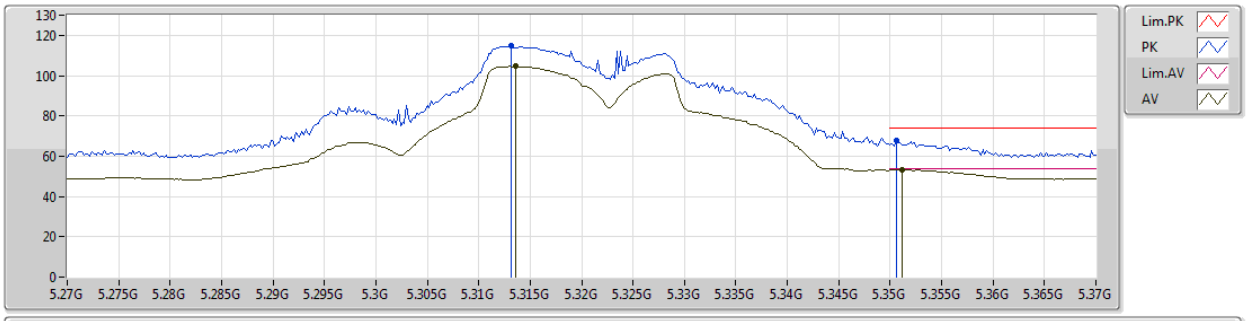


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.5803G	44.88	54.00	-9.12	14.37	3	Horizontal	356	1.09	-
PK	10.5793G	58.51	74.00	-15.49	14.37	3	Horizontal	356	1.09	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

29/12/2018

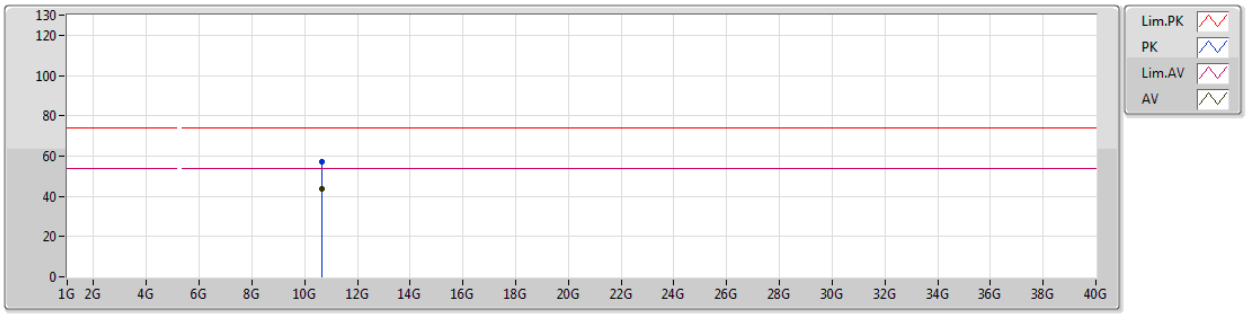


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.3136G	104.55	Inf	-Inf	4.35	3	Vertical	85	1.96	-
AV	5.3512G	53.25	54.00	-0.75	4.38	3	Vertical	85	1.96	-
PK	5.3132G	114.74	Inf	-Inf	4.35	3	Vertical	85	1.96	-
PK	5.3506G	67.53	74.00	-6.47	4.38	3	Vertical	85	1.96	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

29/12/2018

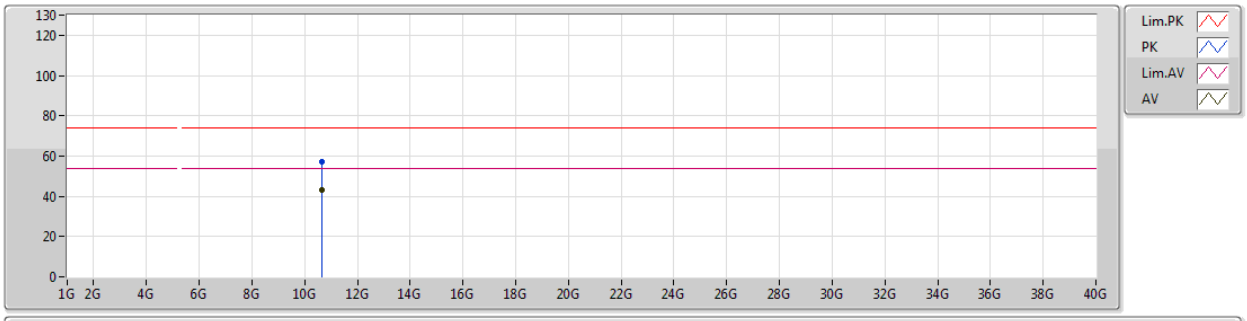


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.63614G	43.58	54.00	-10.42	14.49	3	Vertical	268	1.86	-
PK	10.64368G	56.89	74.00	-17.11	14.50	3	Vertical	268	1.86	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

29/12/2018

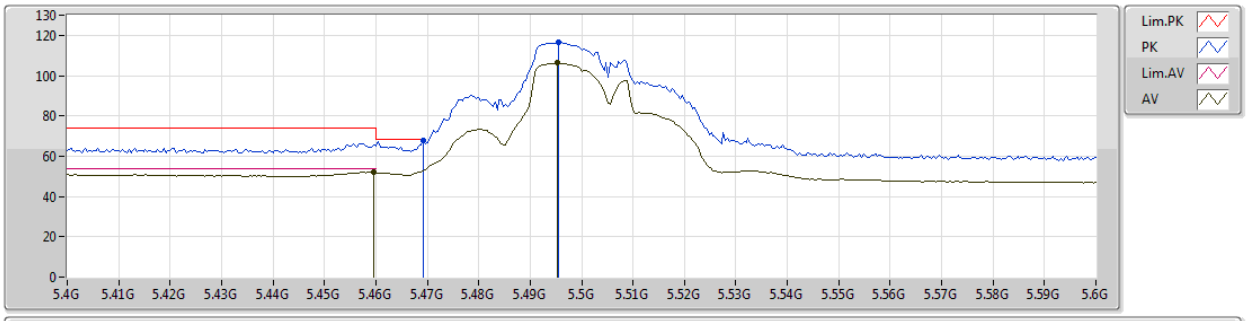


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.63574G	43.23	54.00	-10.77	14.49	3	Horizontal	88	1.38	-
PK	10.64378G	57.00	74.00	-17.00	14.50	3	Horizontal	88	1.38	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

29/12/2018

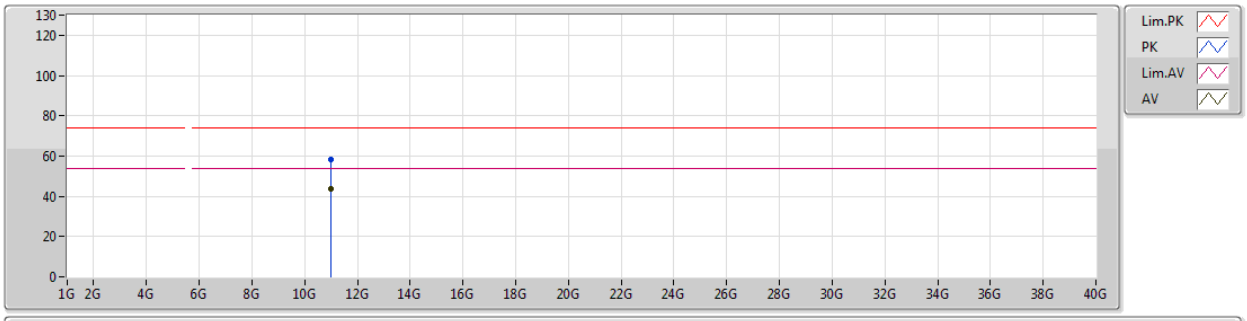


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4596G	52.04	54.00	-1.96	4.51	3	Vertical	92	1.88	-
AV	5.4952G	106.22	Inf	-Inf	4.56	3	Vertical	92	1.88	-
PK	5.4692G	67.85	68.20	-0.35	4.52	3	Vertical	92	1.88	-
PK	5.4956G	116.54	Inf	-Inf	4.56	3	Vertical	92	1.88	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

29/12/2018

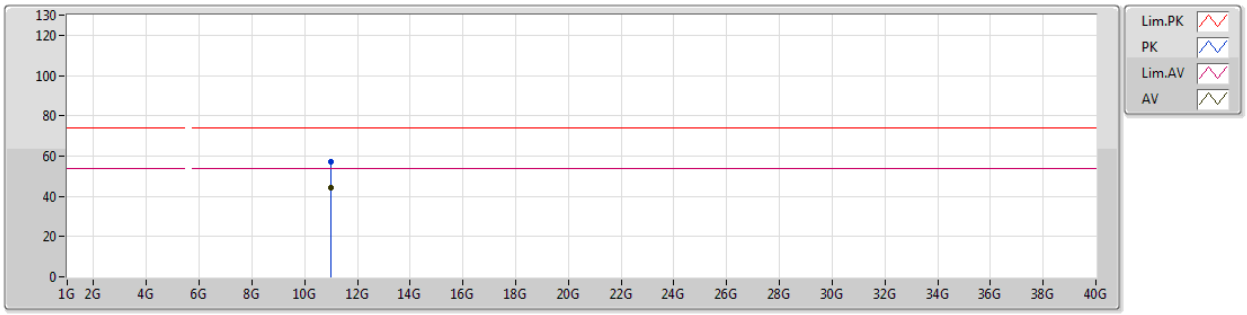


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.997G	43.79	54.00	-10.21	15.28	3	Vertical	132	1.12	-
PK	10.99676G	58.17	74.00	-15.83	15.28	3	Vertical	132	1.12	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

29/12/2018

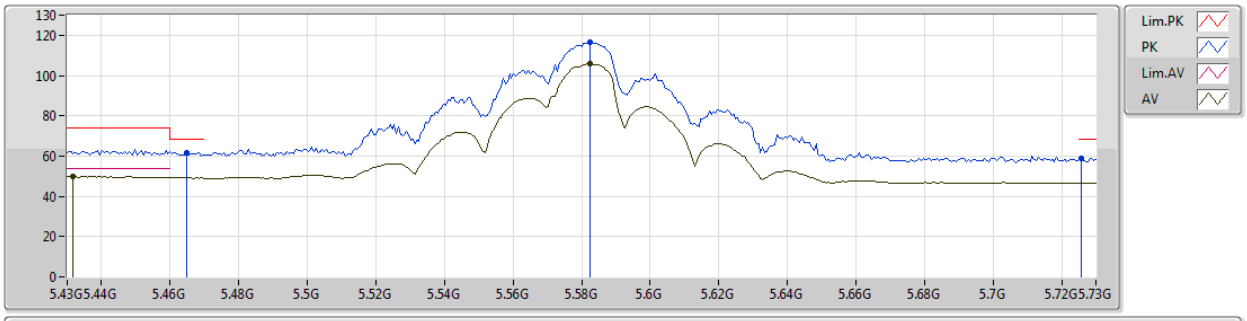


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.989G	43.99	54.00	-10.01	15.26	3	Horizontal	212	1.33	-
PK	10.9931G	57.33	74.00	-16.67	15.27	3	Horizontal	212	1.33	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

29/12/2018

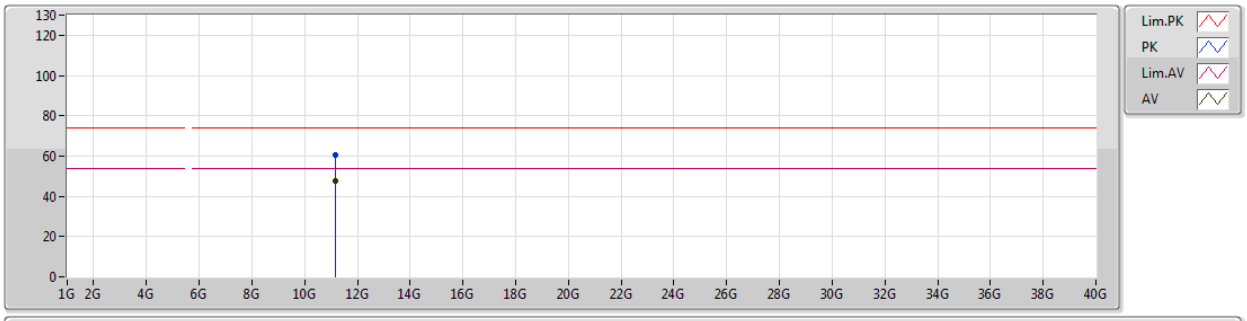


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4318G	49.88	54.00	-4.12	4.48	3	Vertical	102	1.82	-
AV	5.5824G	105.83	Inf	-Inf	4.72	3	Vertical	102	1.82	-
PK	5.4648G	61.70	68.20	-6.50	4.52	3	Vertical	102	1.82	-
PK	5.5824G	116.61	Inf	-Inf	4.72	3	Vertical	102	1.82	-
PK	5.7258G	58.88	68.20	-9.32	5.05	3	Vertical	102	1.82	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

29/12/2018

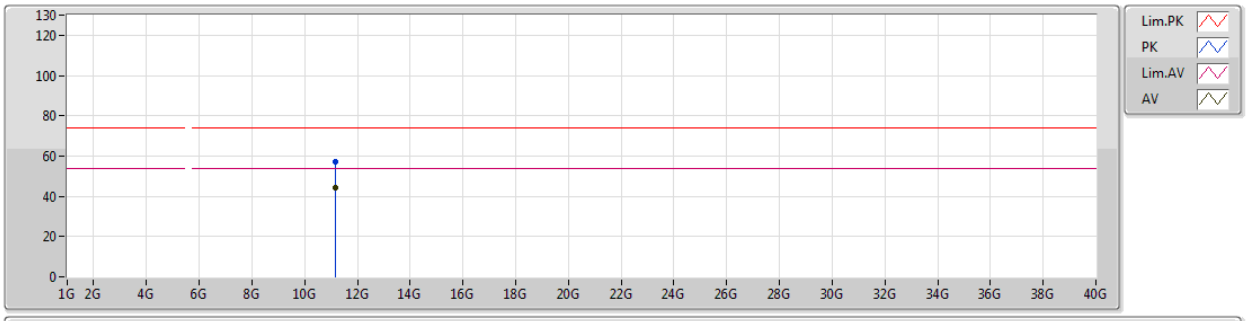


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.1596G	47.78	54.00	-6.22	15.11	3	Vertical	51	2.76	-
PK	11.1606G	60.63	74.00	-13.37	15.11	3	Vertical	51	2.76	-

802.11ac VHT20_Nss1,(MCS0)_2TX

29/12/2018

5580MHz_TX

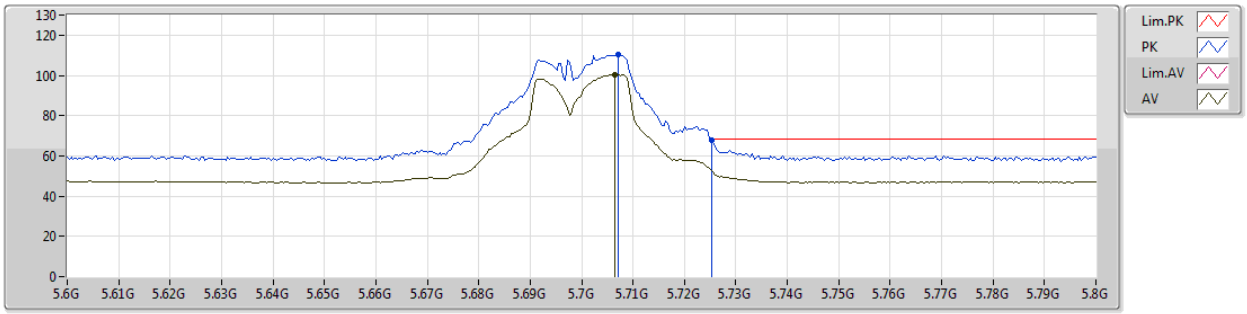


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.1597G	44.11	54.00	-9.89	15.11	3	Horizontal	105	2.05	-
PK	11.1627G	57.38	74.00	-16.62	15.10	3	Horizontal	105	2.05	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

29/12/2018

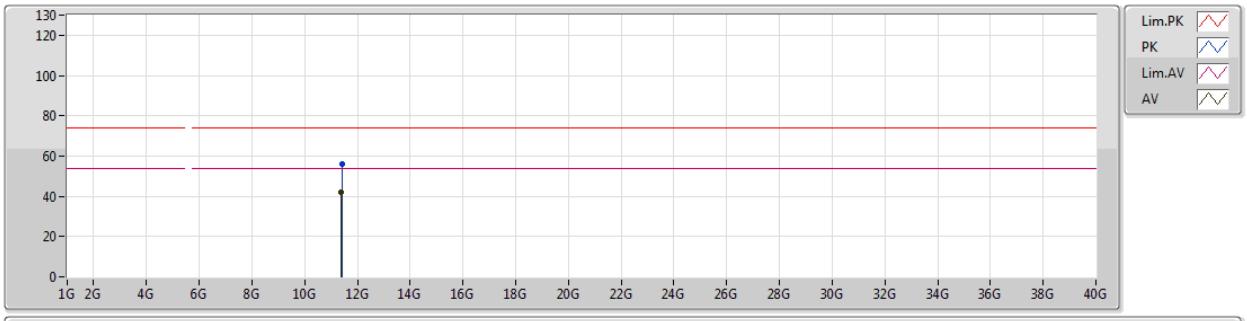


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7064G	100.44	Inf	-Inf	5.01	3	Vertical	256	2.11	-
PK	5.7072G	110.48	Inf	-Inf	5.01	3	Vertical	256	2.11	-
PK	5.7252G	68.08	68.20	-0.12	5.05	3	Vertical	256	2.11	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

29/12/2018

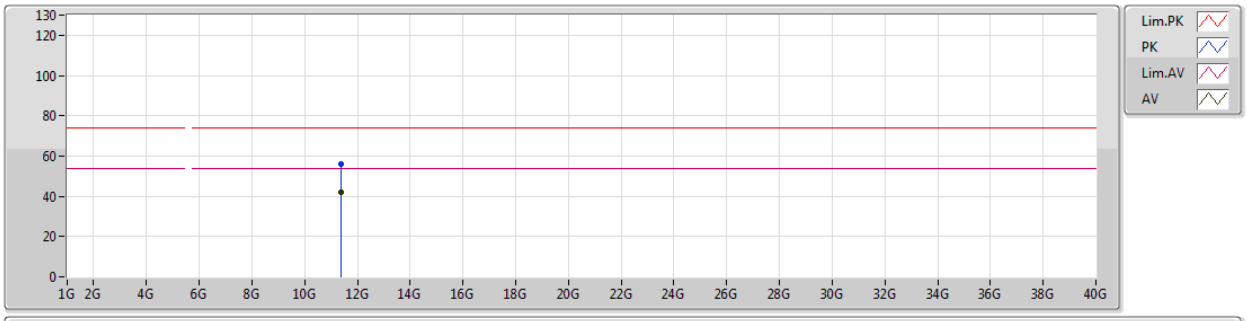


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.39572G	41.75	54.00	-12.25	14.87	3	Vertical	321	1.71	-
PK	11.40318G	56.13	74.00	-17.87	14.86	3	Vertical	321	1.71	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

29/12/2018

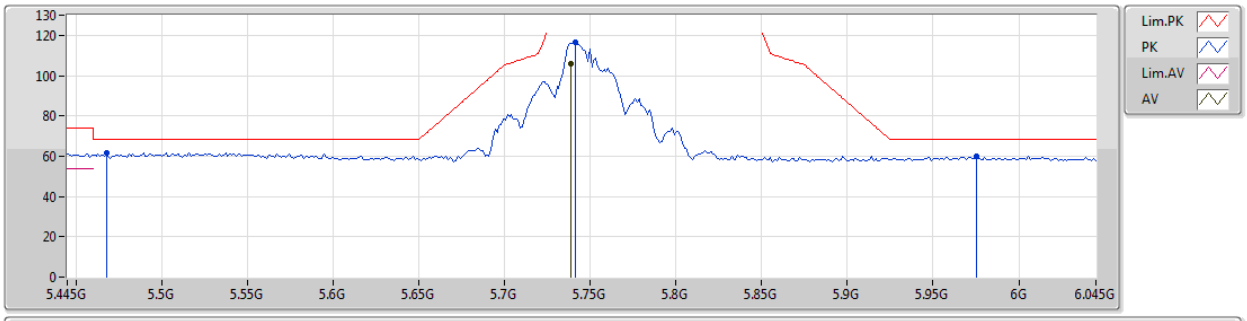


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.39554G	41.96	54.00	-12.04	14.87	3	Horizontal	62	2.41	-
PK	11.3979G	56.13	74.00	-17.87	14.86	3	Horizontal	62	2.41	-

802.11ac VHT20_Nss1,(MCS0)_2TX

29/12/2018

5745MHz_TX

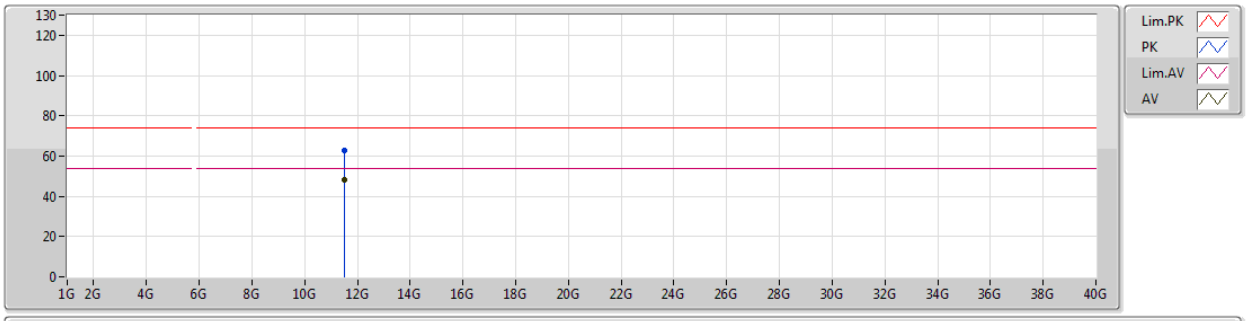


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.739G	105.86	Inf	-Inf	5.08	3	Vertical	108	2.14	-
PK	5.4678G	61.84	68.20	-6.36	4.52	3	Vertical	108	2.14	-
PK	5.7414G	116.37	Inf	-Inf	5.09	3	Vertical	108	2.14	-
PK	5.9754G	59.80	68.20	-8.40	5.40	3	Vertical	108	2.14	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

29/12/2018

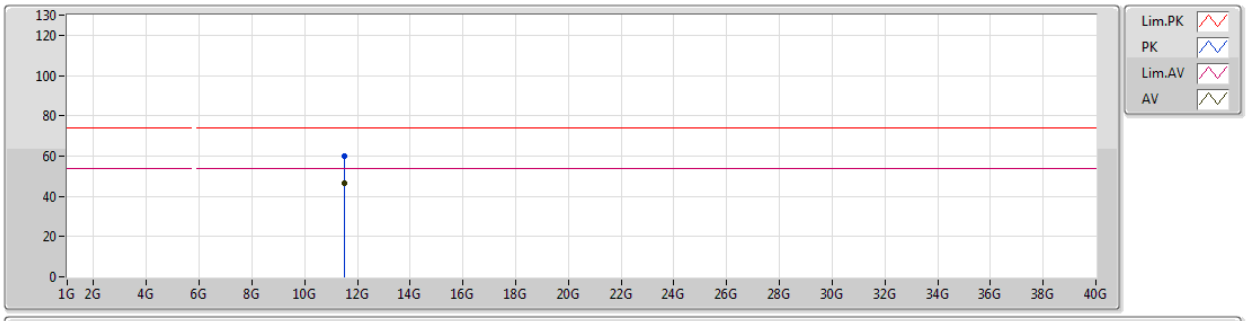


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.4875G	48.43	54.00	-5.57	14.76	3	Vertical	50	1.11	-
PK	11.49406G	62.65	74.00	-11.35	14.76	3	Vertical	50	1.11	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

29/12/2018

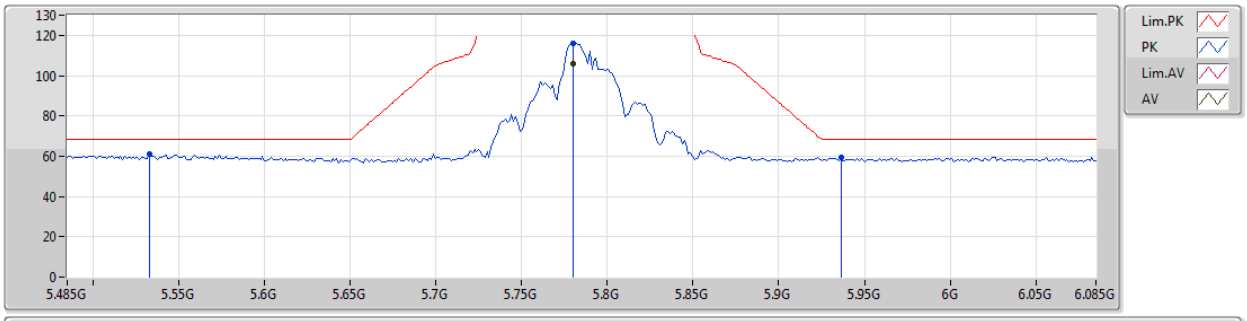


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.49456G	46.51	54.00	-7.49	14.76	3	Horizontal	160	2.29	-
PK	11.49164G	59.84	74.00	-14.16	14.76	3	Horizontal	160	2.29	-

802.11ac VHT20_Nss1,(MCS0)_2TX

29/12/2018

5785MHz_TX

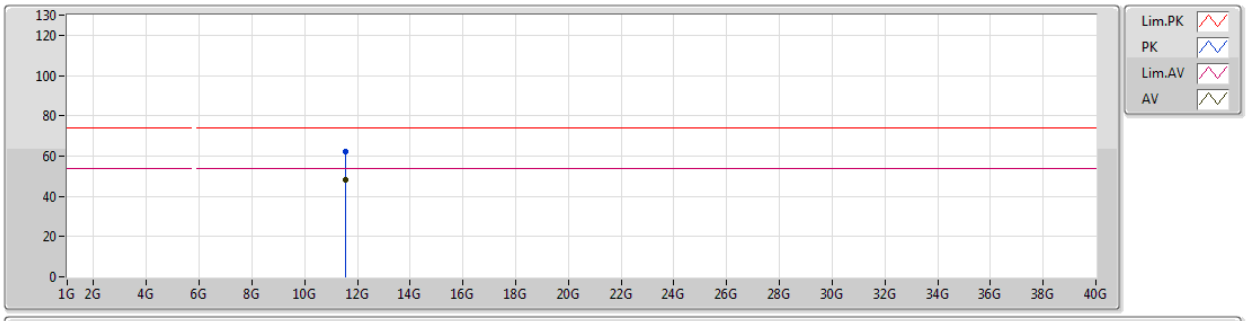


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7802G	105.68	Inf	-Inf	5.18	3	Vertical	259	2.09	-
PK	5.533G	61.30	68.20	-6.90	4.62	3	Vertical	259	2.09	-
PK	5.7802G	116.20	Inf	-Inf	5.18	3	Vertical	259	2.09	-
PK	5.9362G	59.37	68.20	-8.83	5.36	3	Vertical	259	2.09	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

29/12/2018

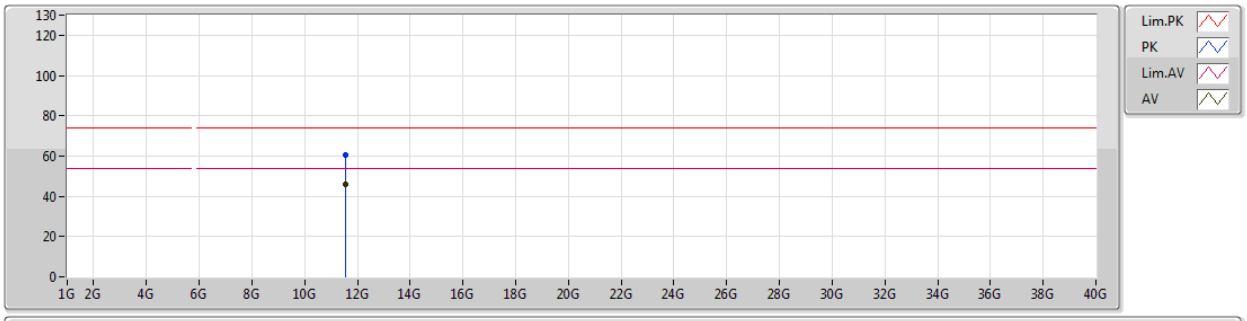


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.56602G	48.41	54.00	-5.59	14.69	3	Vertical	29	2.28	-
PK	11.5672G	62.21	74.00	-11.79	14.69	3	Vertical	29	2.28	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

29/12/2018

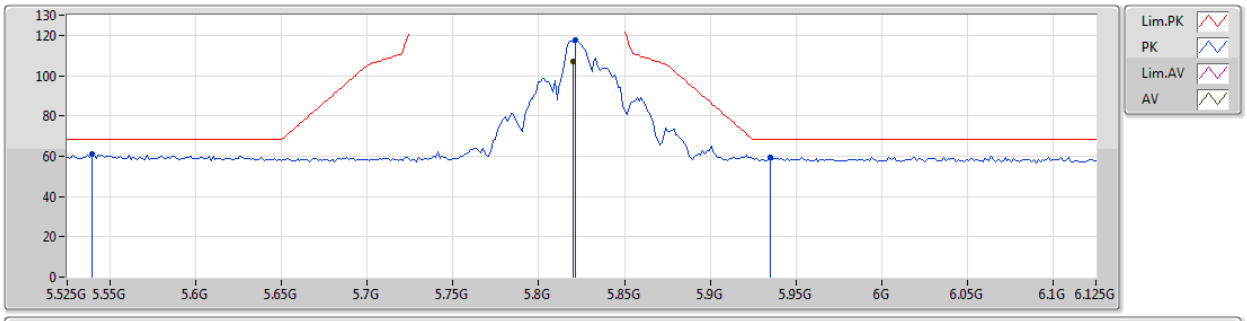


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.56622G	46.02	54.00	-7.98	14.69	3	Horizontal	20	1.64	-
PK	11.56782G	60.52	74.00	-13.48	14.69	3	Horizontal	20	1.64	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

29/12/2018

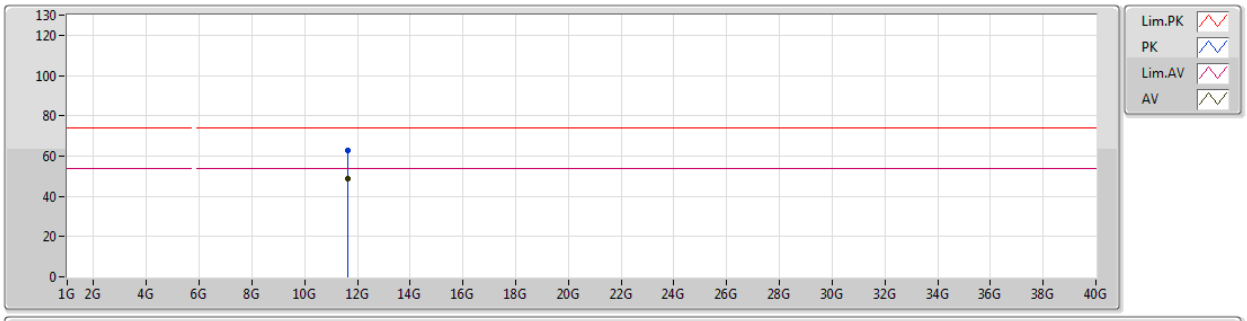


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8202G	106.75	Inf	-Inf	5.26	3	Vertical	258	2.15	-
PK	5.5394G	61.03	68.20	-7.17	4.64	3	Vertical	258	2.15	-
PK	5.8214G	117.88	Inf	-Inf	5.26	3	Vertical	258	2.15	-
PK	5.9354G	59.54	68.20	-8.66	5.36	3	Vertical	258	2.15	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

29/12/2018

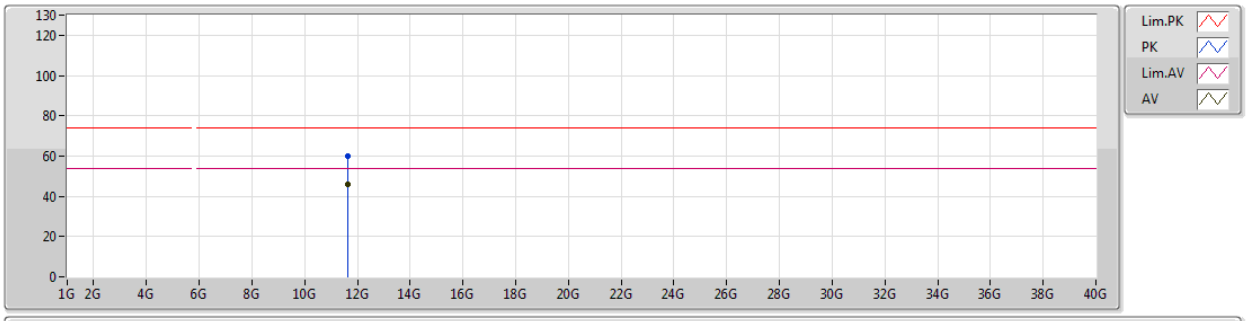


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.65382G	48.51	54.00	-5.49	14.60	3	Vertical	276	1.39	-
PK	11.65152G	62.51	74.00	-11.49	14.60	3	Vertical	276	1.39	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

29/12/2018

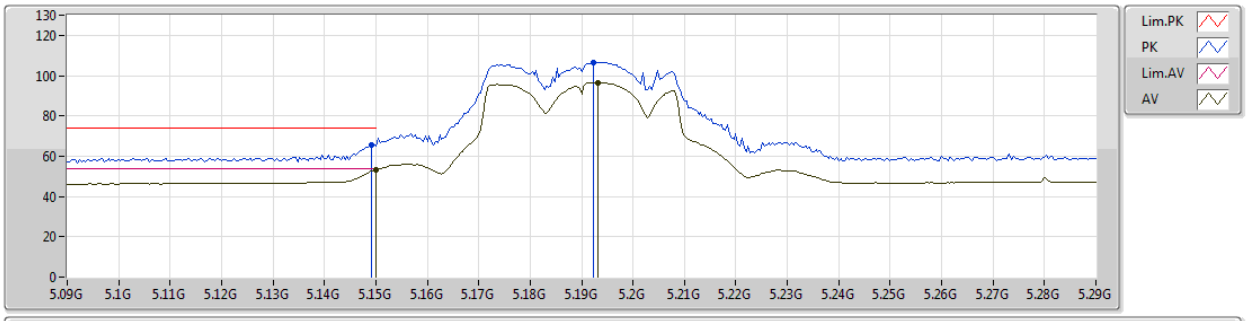


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.65154G	46.01	54.00	-7.99	14.60	3	Horizontal	247	1.35	-
PK	11.65102G	60.22	74.00	-13.78	14.60	3	Horizontal	247	1.35	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

29/12/2018

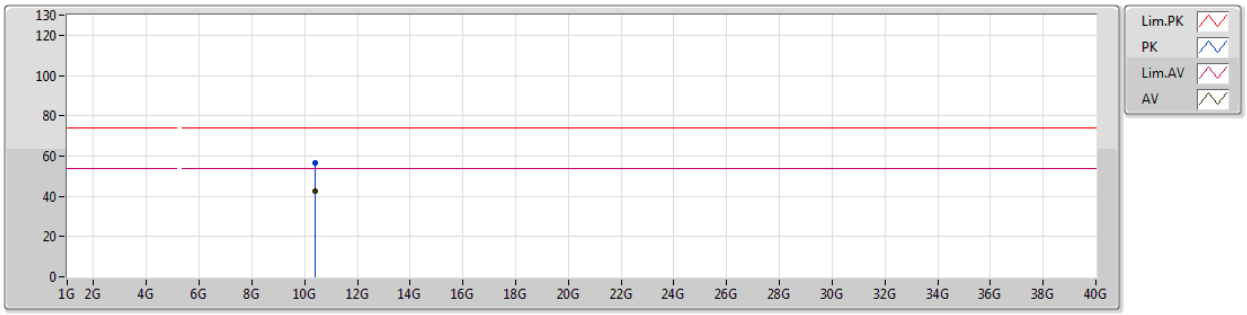


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	53.24	54.00	-0.76	4.16	3	Vertical	86	2.04	-
AV	5.1932G	96.63	Inf	-Inf	4.21	3	Vertical	86	2.04	-
PK	5.1492G	65.60	74.00	-8.40	4.16	3	Vertical	86	2.04	-
PK	5.1924G	106.73	Inf	-Inf	4.21	3	Vertical	86	2.04	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

29/12/2018

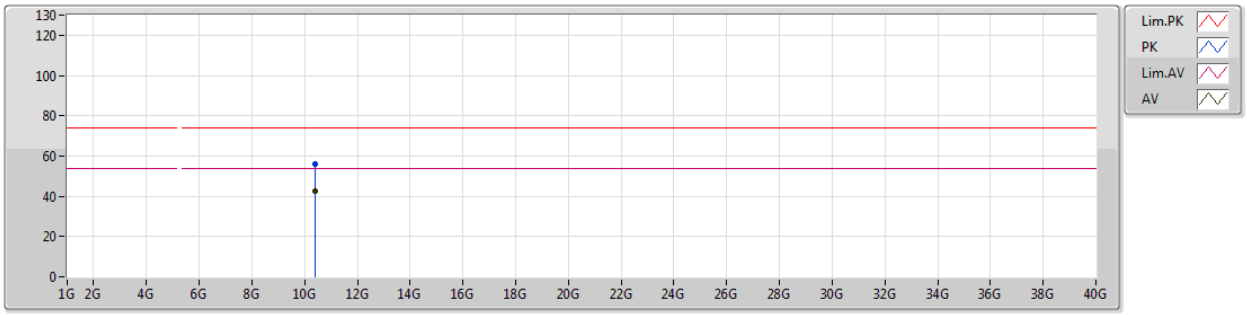


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.37924G	42.80	54.00	-11.20	13.93	3	Vertical	289	1.28	-
PK	10.37876G	56.78	74.00	-17.22	13.92	3	Vertical	289	1.28	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

29/12/2018

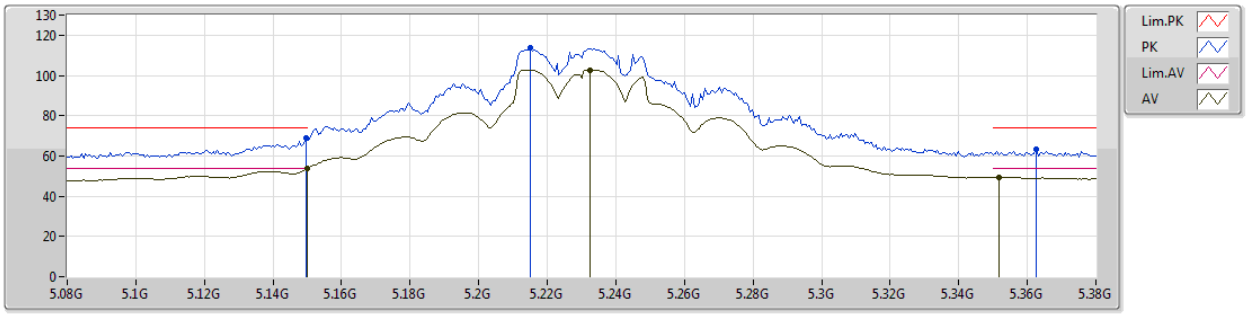


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.37814G	42.78	54.00	-11.22	13.92	3	Horizontal	217	1.30	-
PK	10.3821G	56.30	74.00	-17.70	13.94	3	Horizontal	217	1.30	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

29/12/2018

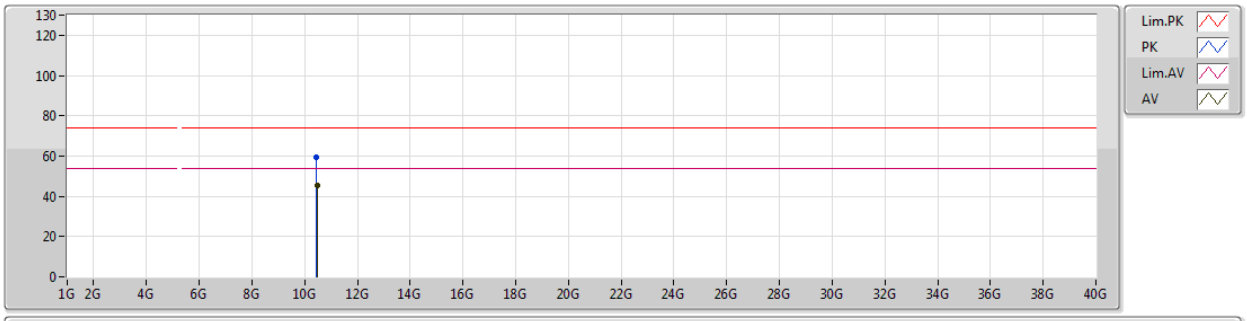


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	53.61	54.00	-0.39	4.16	3	Vertical	53	2.05	-
AV	5.2324G	102.80	Inf	-Inf	4.26	3	Vertical	53	2.05	-
AV	5.3518G	49.32	54.00	-4.68	4.38	3	Vertical	53	2.05	-
PK	5.1496G	68.67	74.00	-5.33	4.16	3	Vertical	53	2.05	-
PK	5.215G	113.58	Inf	-Inf	4.24	3	Vertical	53	2.05	-
PK	5.3626G	63.28	74.00	-10.72	4.40	3	Vertical	53	2.05	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

29/12/2018

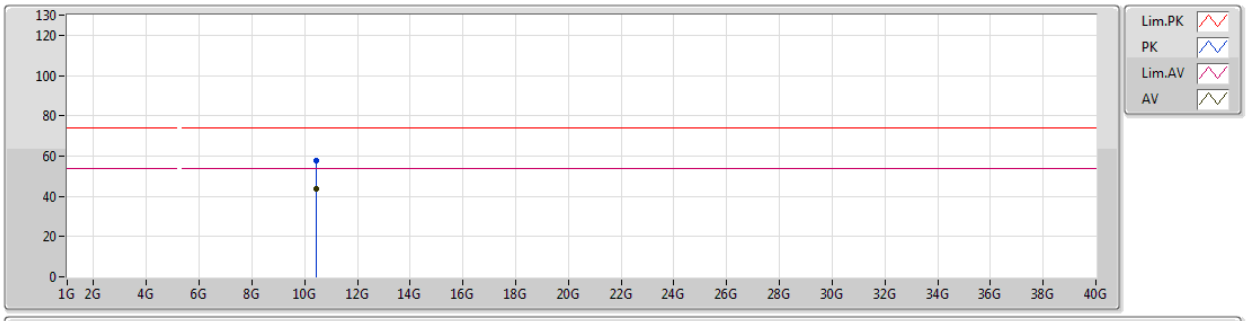


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.46264G	45.22	54.00	-8.78	14.11	3	Vertical	193	1.09	-
PK	10.4554G	59.20	74.00	-14.80	14.10	3	Vertical	193	1.09	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

29/12/2018

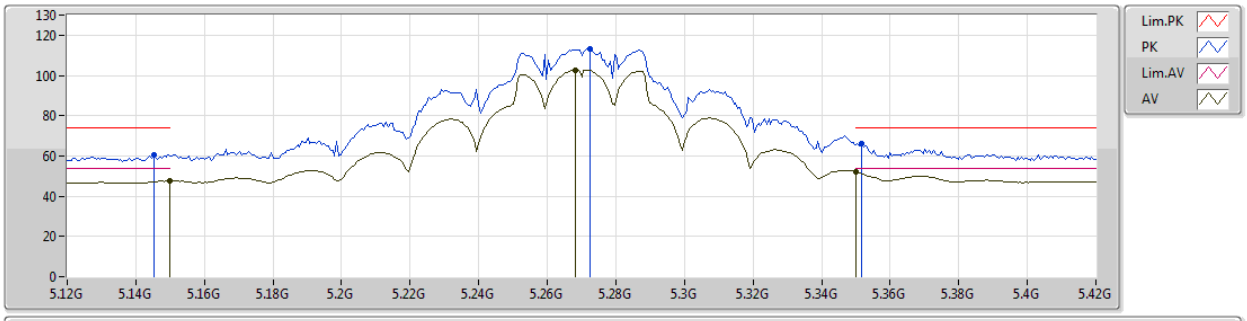


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4587G	43.70	54.00	-10.30	14.10	3	Horizontal	231	2.19	-
PK	10.46128G	57.46	74.00	-16.54	14.10	3	Horizontal	231	2.19	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

29/12/2018

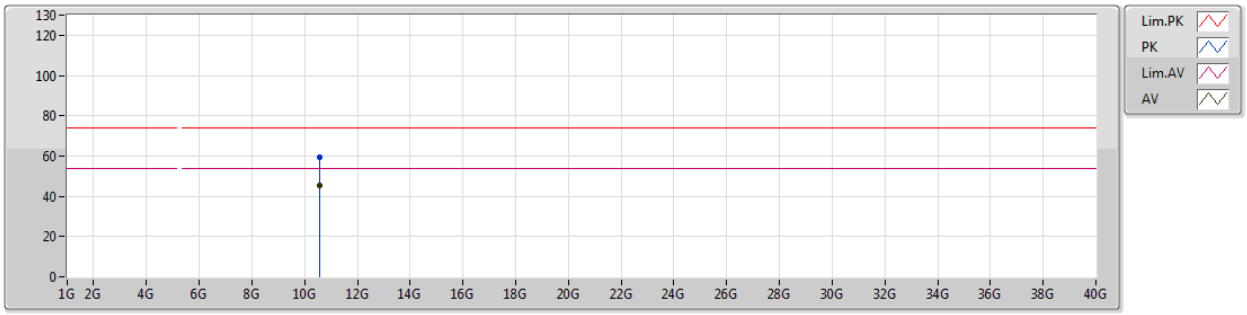


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	47.55	54.00	-6.45	4.16	3	Vertical	81	2.02	-
AV	5.2682G	102.81	Inf	-Inf	4.30	3	Vertical	81	2.02	-
AV	5.35G	52.29	54.00	-1.71	4.38	3	Vertical	81	2.02	-
PK	5.1452G	60.39	74.00	-13.61	4.16	3	Vertical	81	2.02	-
PK	5.2724G	113.11	Inf	-Inf	4.30	3	Vertical	81	2.02	-
PK	5.3516G	66.16	74.00	-7.84	4.38	3	Vertical	81	2.02	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

29/12/2018

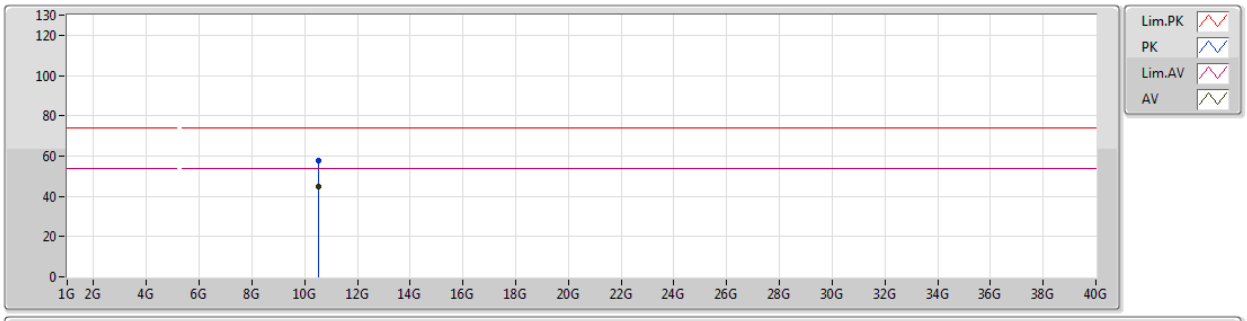


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.5478G	45.61	54.00	-8.39	14.30	3	Vertical	295	1.10	-
PK	10.5496G	59.27	74.00	-14.73	14.30	3	Vertical	295	1.10	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

29/12/2018

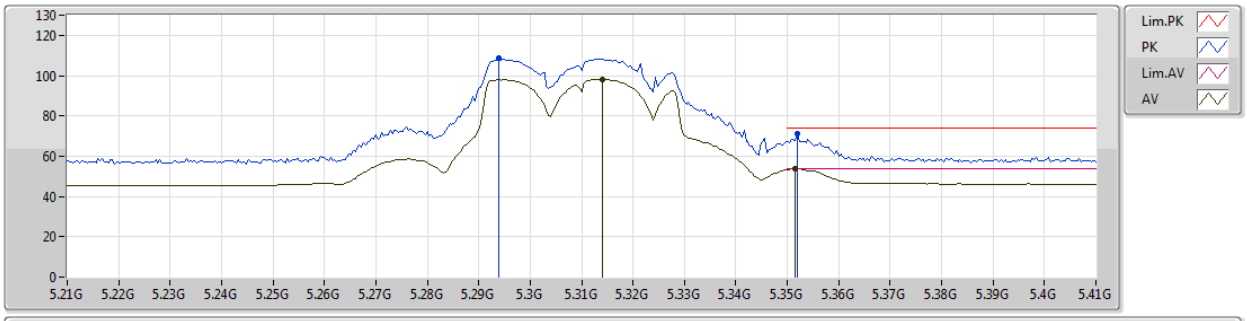


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.5422G	44.65	54.00	-9.35	14.28	3	Horizontal	89	2.01	-
PK	10.5456G	57.99	74.00	-16.01	14.29	3	Horizontal	89	2.01	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

29/12/2018

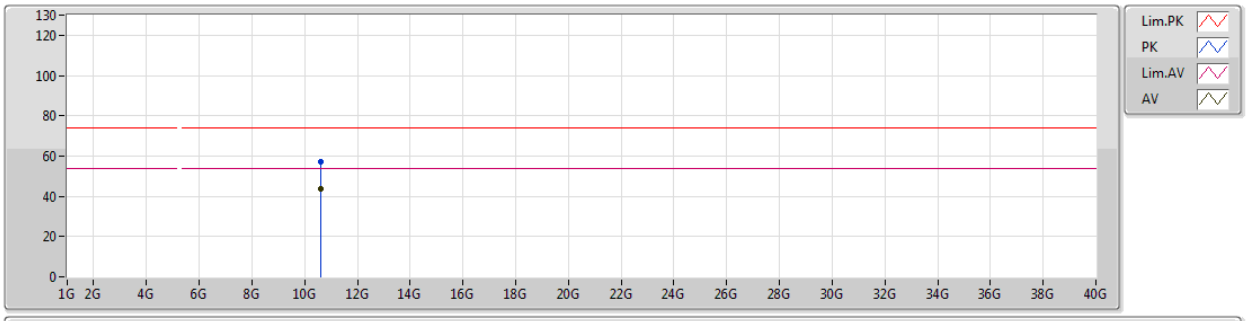


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.314G	98.25	Inf	-Inf	4.35	3	Vertical	87	1.91	-
AV	5.3516G	53.74	54.00	-0.26	4.38	3	Vertical	87	1.91	-
PK	5.294G	108.51	Inf	-Inf	4.33	3	Vertical	87	1.91	-
PK	5.352G	71.15	74.00	-2.85	4.38	3	Vertical	87	1.91	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

29/12/2018

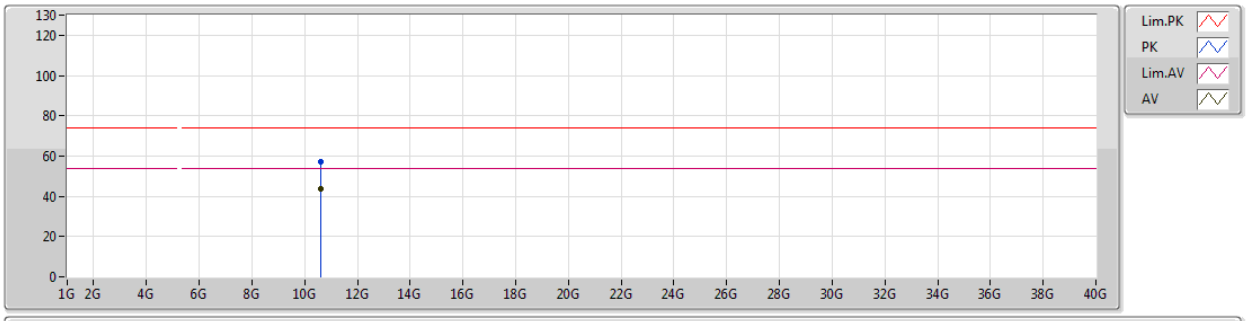


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.61658G	43.43	54.00	-10.57	14.44	3	Vertical	116	2.31	-
PK	10.62156G	57.28	74.00	-16.72	14.46	3	Vertical	116	2.31	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

29/12/2018

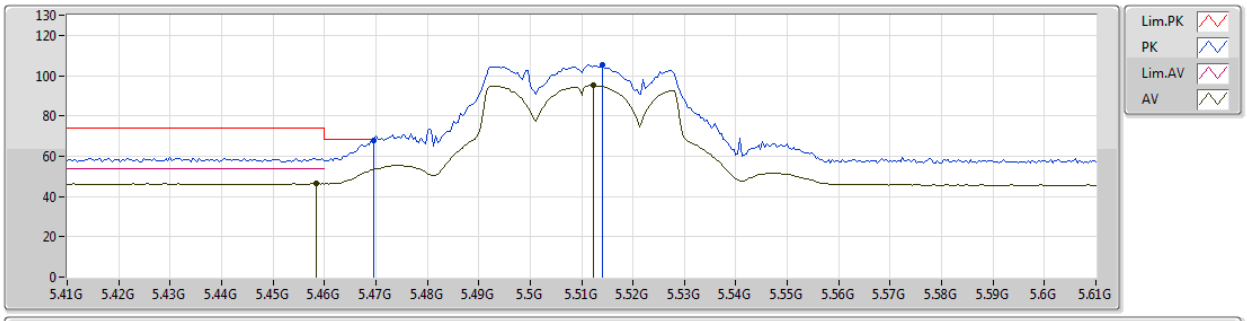


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.61678G	43.50	54.00	-10.50	14.44	3	Horizontal	39	2.11	-
PK	10.61696G	56.99	74.00	-17.01	14.44	3	Horizontal	39	2.11	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

29/12/2018

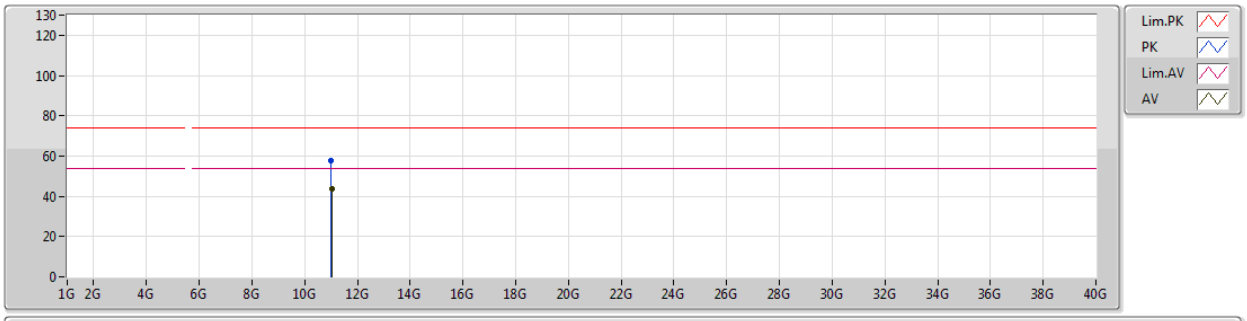


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4584G	46.38	54.00	-7.62	4.51	3	Vertical	54	2.05	-
AV	5.5124G	95.05	Inf	-Inf	4.59	3	Vertical	54	2.05	-
PK	5.4696G	68.05	68.20	-0.15	4.52	3	Vertical	54	2.05	-
PK	5.514G	105.16	Inf	-Inf	4.59	3	Vertical	54	2.05	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

29/12/2018

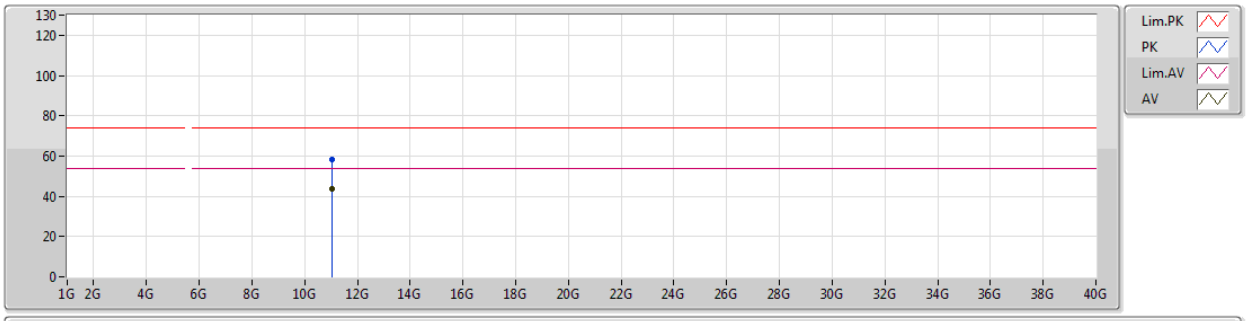


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.01742G	43.52	54.00	-10.48	15.27	3	Vertical	227	1.50	-
PK	11.0161G	57.58	74.00	-16.42	15.26	3	Vertical	227	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

29/12/2018

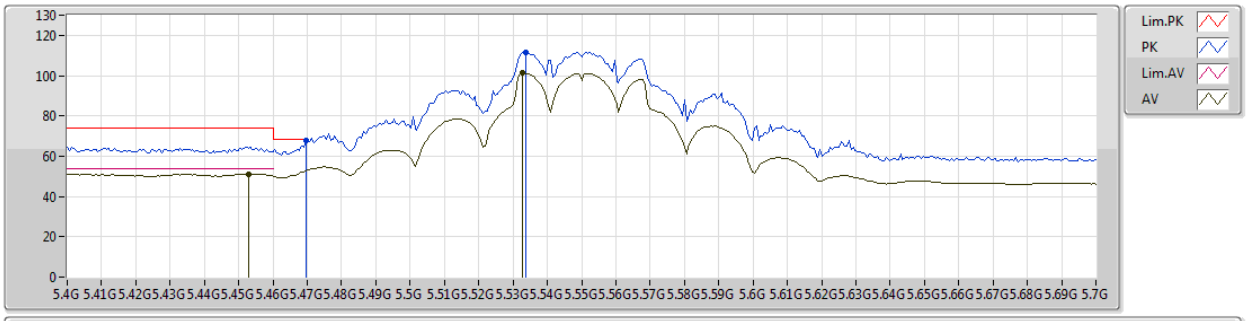


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.02222G	43.54	54.00	-10.46	15.26	3	Horizontal	336	1.85	-
PK	11.01808G	58.22	74.00	-15.78	15.27	3	Horizontal	336	1.85	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

29/12/2018

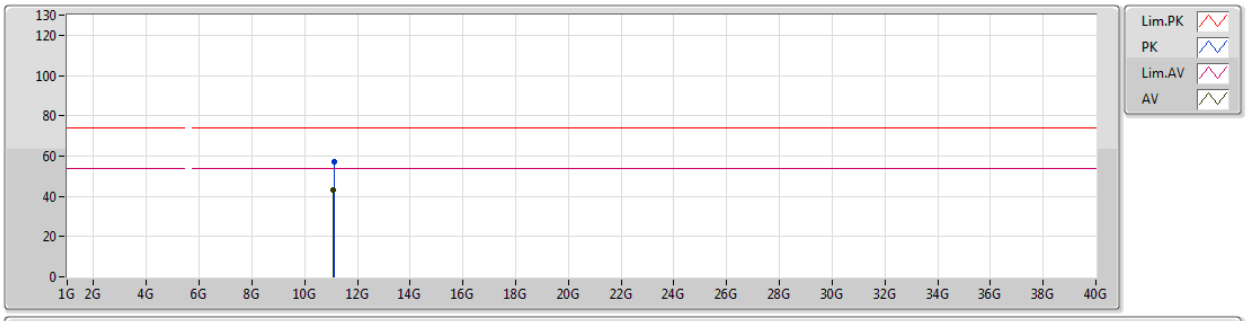


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.4528G	51.25	54.00	-2.75	4.50	3	Vertical	57	2.04	-
AV	5.5326G	101.35	Inf	-Inf	4.62	3	Vertical	57	2.04	-
PK	5.4696G	68.04	68.20	-0.16	4.52	3	Vertical	57	2.04	-
PK	5.5338G	111.47	Inf	-Inf	4.62	3	Vertical	57	2.04	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

29/12/2018

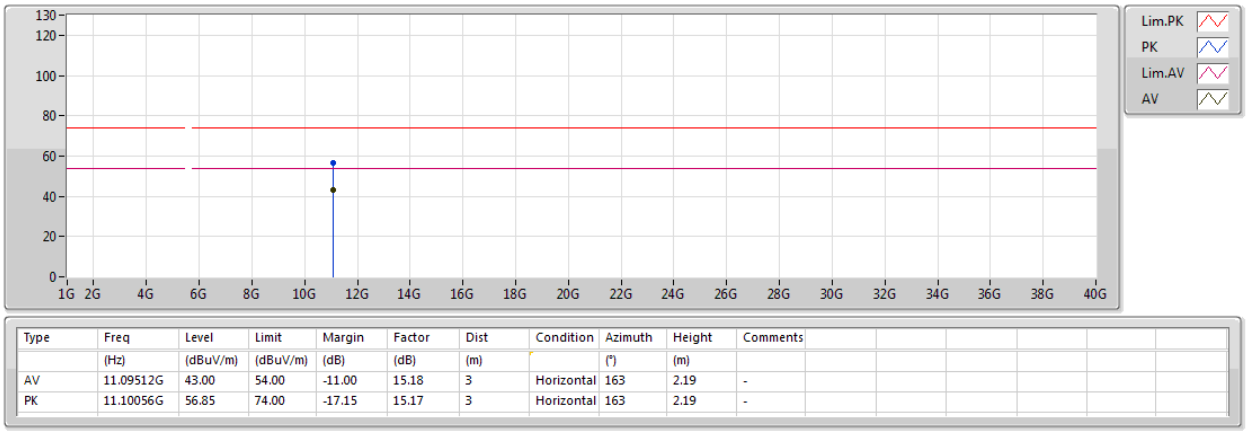


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.09726G	43.04	54.00	-10.96	15.17	3	Vertical	103	1.31	-
PK	11.10406G	57.09	74.00	-16.91	15.17	3	Vertical	103	1.31	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

29/12/2018

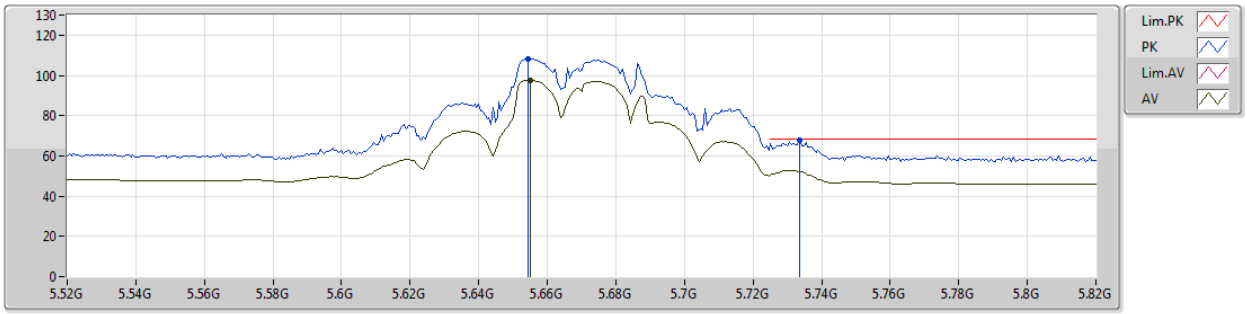


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.09512G	43.00	54.00	-11.00	15.18	3	Horizontal	163	2.19	-
PK	11.10056G	56.85	74.00	-17.15	15.17	3	Horizontal	163	2.19	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

30/12/2018

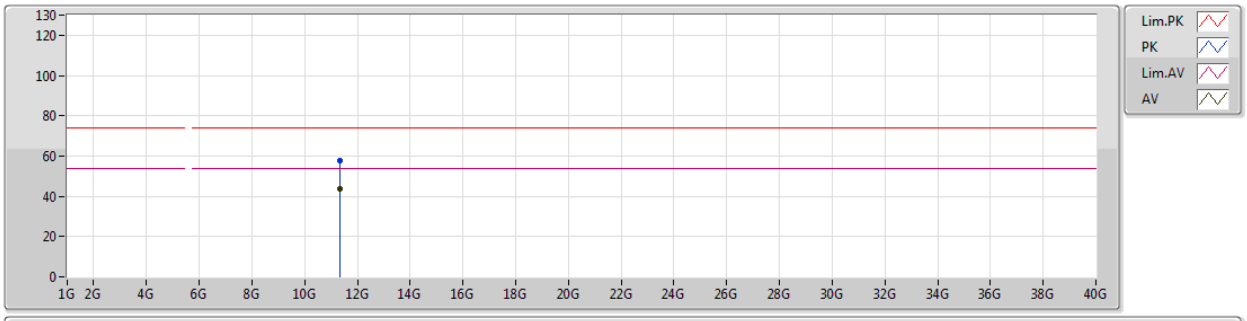


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.655G	97.61	Inf	-Inf	4.88	3	Vertical	262	1.50	-
PK	5.6544G	108.32	Inf	-Inf	4.88	3	Vertical	262	1.50	-
PK	5.7336G	68.04	68.20	-0.16	5.07	3	Vertical	262	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

30/12/2018

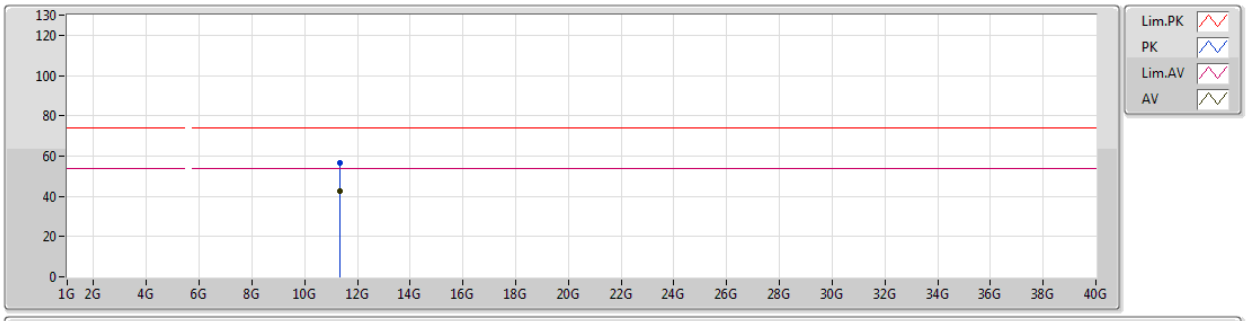


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.33922G	43.57	54.00	-10.43	14.93	3	Vertical	48	2.81	-
PK	11.33526G	57.45	74.00	-16.55	14.93	3	Vertical	48	2.81	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

30/12/2018

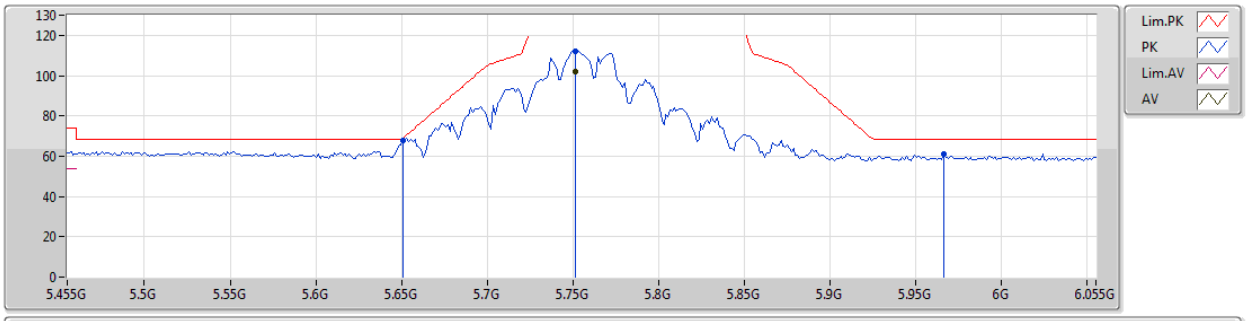


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.32512G	42.83	54.00	-11.17	14.94	3	Horizontal	162	1.37	-
PK	11.34444G	56.49	74.00	-17.51	14.92	3	Horizontal	162	1.37	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

30/12/2018

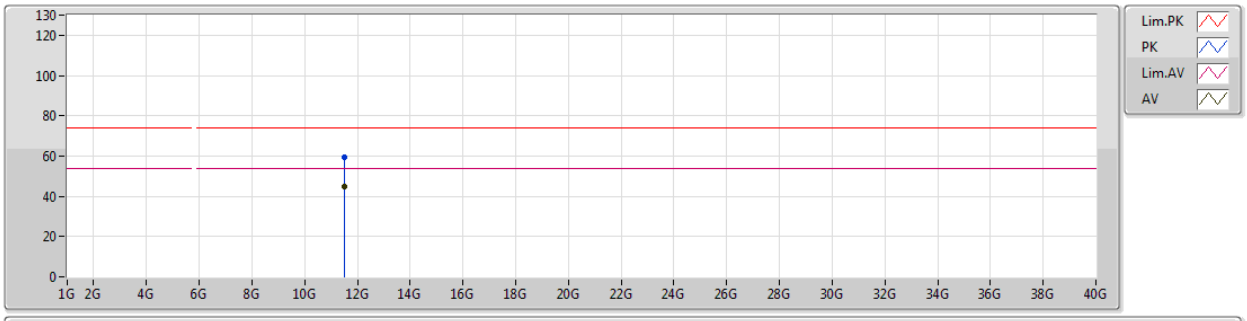


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7514G	101.73	Inf	-Inf	5.12	3	Vertical	145	1.79	-
PK	5.6506G	68.02	68.64	-0.62	4.87	3	Vertical	145	1.79	-
PK	5.7514G	112.30	Inf	-Inf	5.12	3	Vertical	145	1.79	-
PK	5.9662G	61.34	68.20	-6.86	5.40	3	Vertical	145	1.79	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

30/12/2018

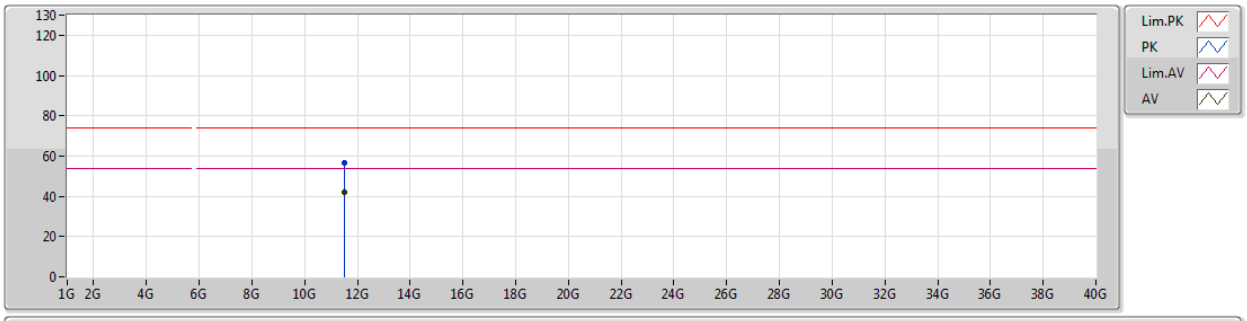


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.51204G	44.89	54.00	-9.11	14.75	3	Vertical	146	2.03	-
PK	11.51096G	59.37	74.00	-14.63	14.75	3	Vertical	146	2.03	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

30/12/2018

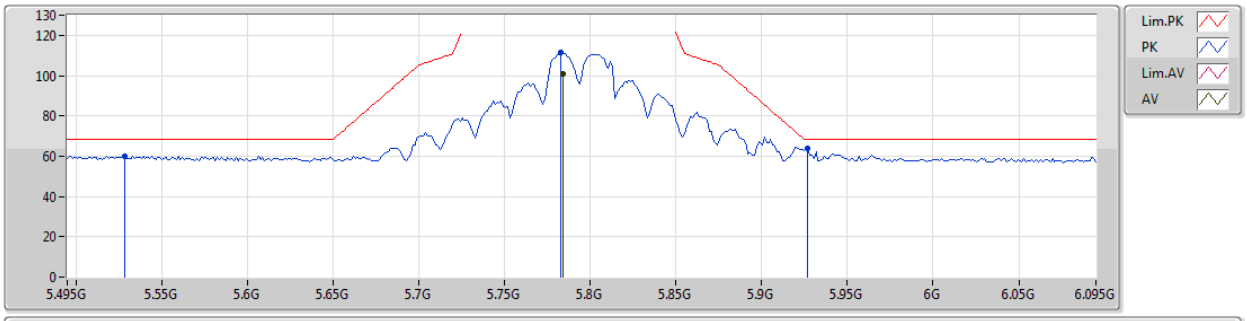


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.49692G	42.07	54.00	-11.93	14.75	3	Horizontal	300	1.79	-
PK	11.50448G	56.36	74.00	-17.64	14.75	3	Horizontal	300	1.79	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

30/12/2018

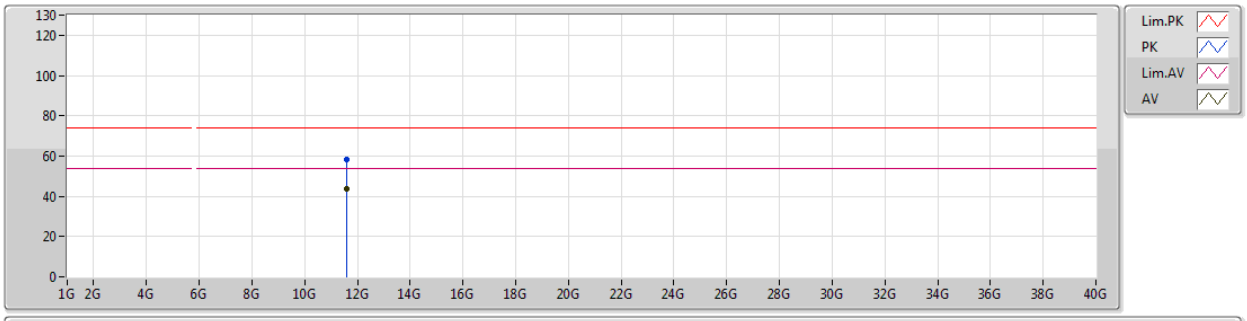


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7842G	100.83	Inf	-Inf	5.20	3	Vertical	148	1.87	-
PK	5.5286G	60.13	68.20	-8.07	4.61	3	Vertical	148	1.87	-
PK	5.783G	111.31	Inf	-Inf	5.20	3	Vertical	148	1.87	-
PK	5.927G	63.96	68.20	-4.24	5.35	3	Vertical	148	1.87	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

30/12/2018

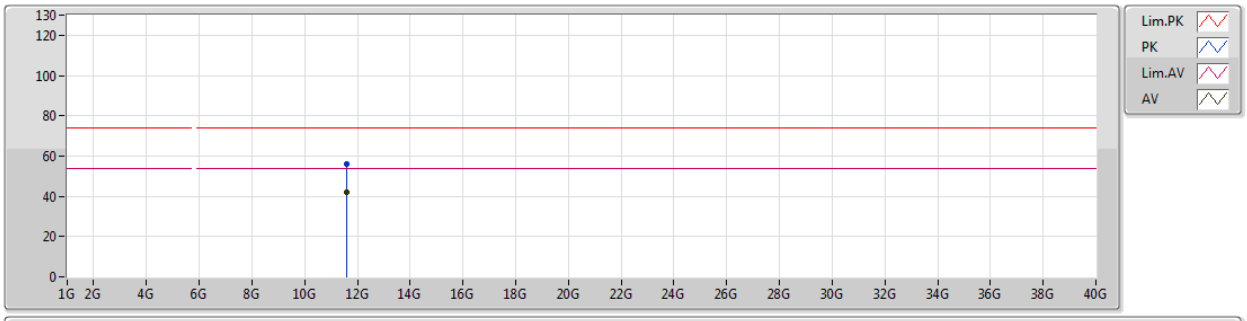


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.5913G	43.91	54.00	-10.09	14.66	3	Vertical	215	1.49	-
PK	11.59356G	58.00	74.00	-16.00	14.66	3	Vertical	215	1.49	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

30/12/2018

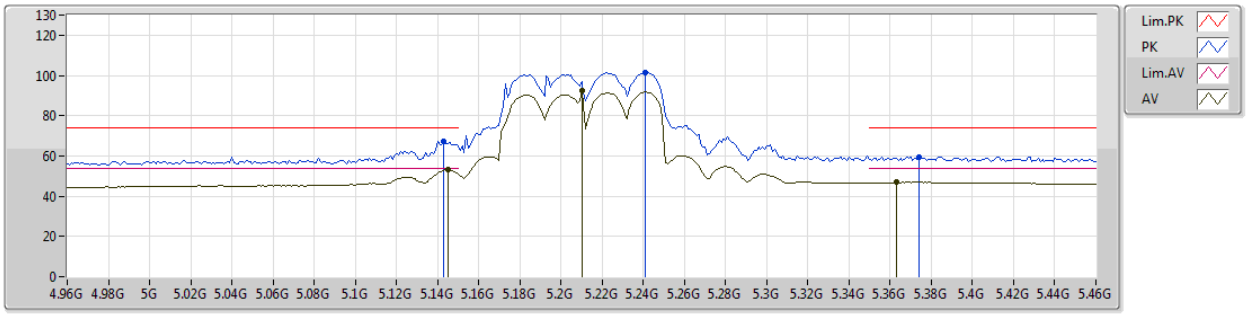


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.58934G	41.89	54.00	-12.11	14.66	3	Horizontal	192	1.28	-
PK	11.59468G	56.14	74.00	-17.86	14.65	3	Horizontal	192	1.28	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

30/12/2018

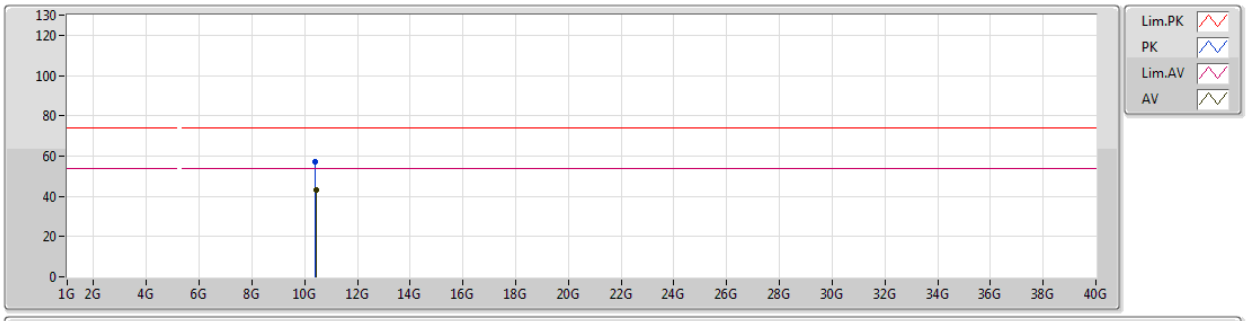


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.145G	53.09	54.00	-0.91	4.16	3	Vertical	70	1.50	-
AV	5.21G	92.67	Inf	-Inf	4.24	3	Vertical	70	1.50	-
AV	5.363G	46.96	54.00	-7.04	4.40	3	Vertical	70	1.50	-
PK	5.143G	67.19	74.00	-6.81	4.16	3	Vertical	70	1.50	-
PK	5.241G	101.51	Inf	-Inf	4.26	3	Vertical	70	1.50	-
PK	5.374G	59.55	74.00	-14.45	4.41	3	Vertical	70	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

30/12/2018

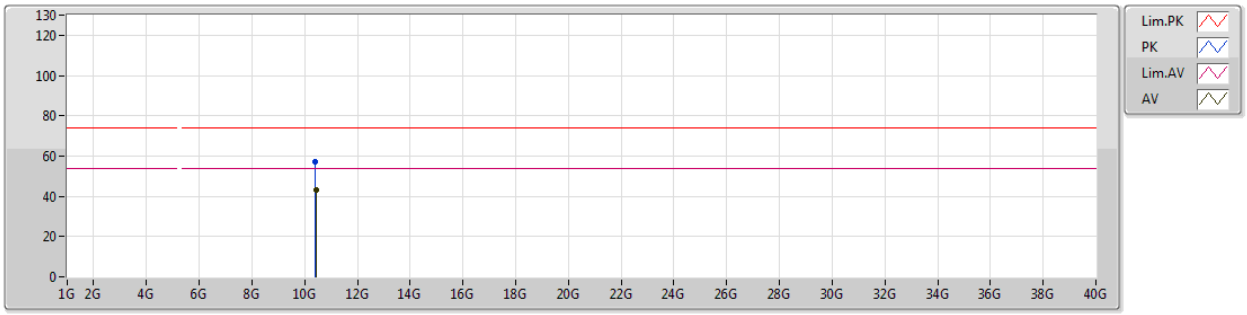


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4335G	43.32	54.00	-10.68	14.04	3	Vertical	350	2.30	-
PK	10.41394G	57.38	74.00	-16.62	14.01	3	Vertical	350	2.30	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

30/12/2018

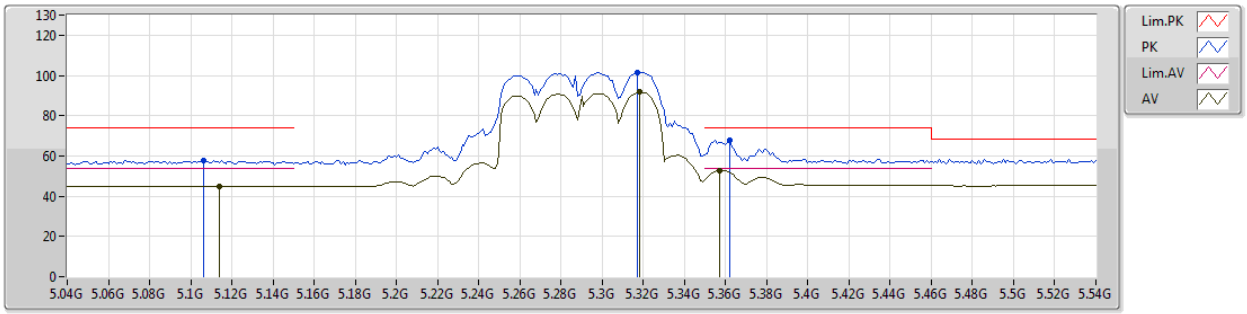


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.43284G	43.34	54.00	-10.66	14.04	3	Horizontal	317	1.58	-
PK	10.40542G	56.99	74.00	-17.01	13.99	3	Horizontal	317	1.58	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

30/12/2018

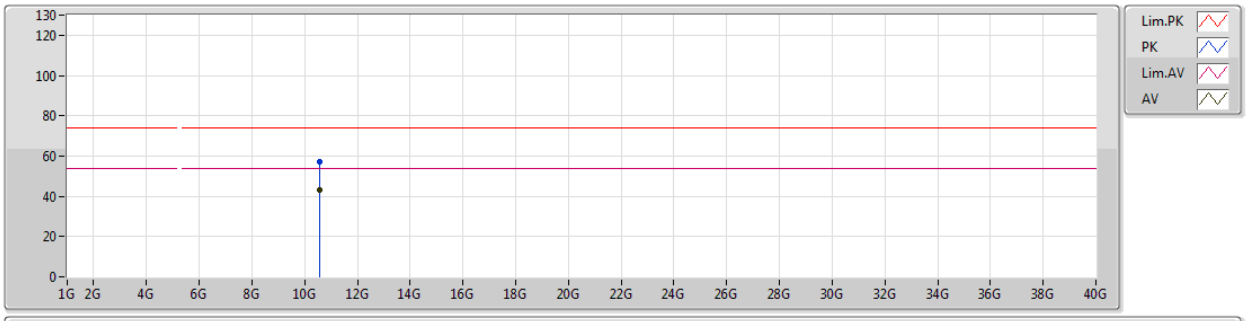


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.114G	44.95	54.00	-9.05	4.12	3	Vertical	95	1.50	-
AV	5.318G	91.62	Inf	-Inf	4.35	3	Vertical	95	1.50	-
AV	5.357G	52.73	54.00	-1.27	4.39	3	Vertical	95	1.50	-
PK	5.106G	57.88	74.00	-16.12	4.10	3	Vertical	95	1.50	-
PK	5.317G	101.62	Inf	-Inf	4.35	3	Vertical	95	1.50	-
PK	5.362G	67.99	74.00	-6.01	4.40	3	Vertical	95	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

30/12/2018

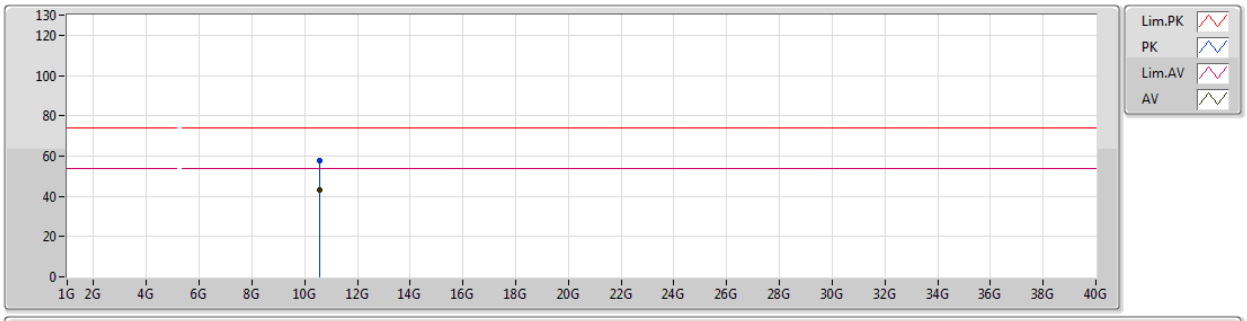


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.56638G	43.39	54.00	-10.61	14.34	3	Vertical	282	1.30	-
PK	10.58738G	57.43	74.00	-16.57	14.37	3	Vertical	282	1.30	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

30/12/2018

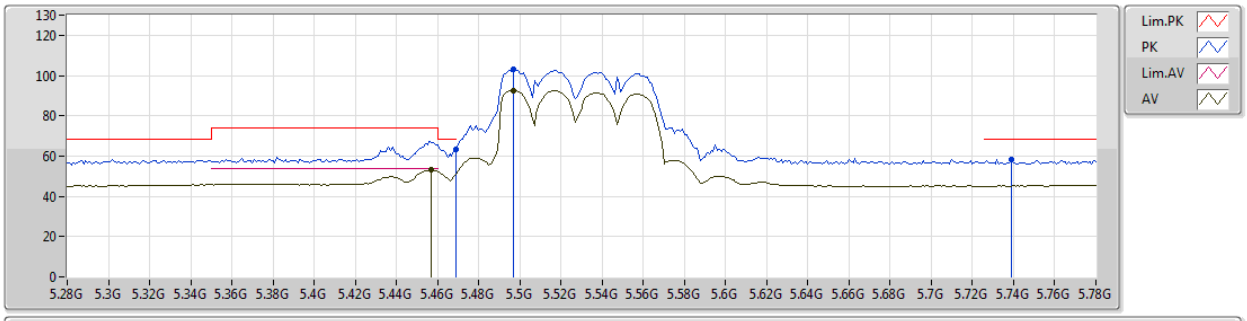


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.56662G	43.37	54.00	-10.63	14.34	3	Horizontal	322	1.90	-
PK	10.58774G	57.70	74.00	-16.30	14.38	3	Horizontal	322	1.90	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

30/12/2018

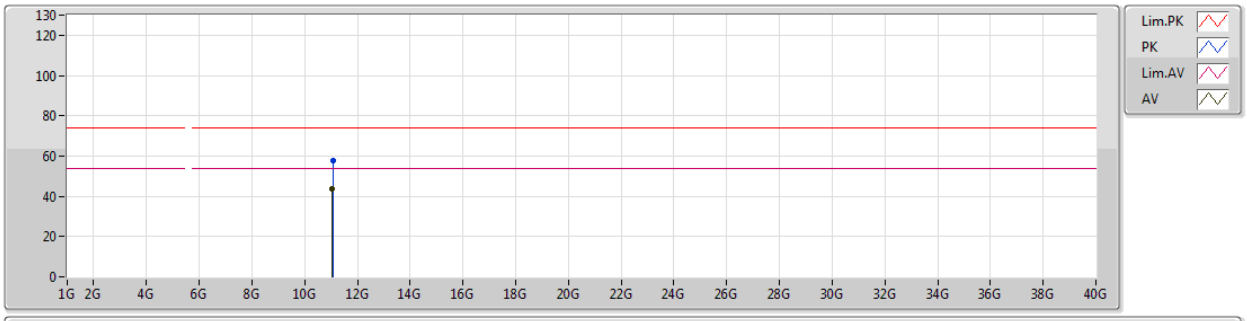


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.457G	53.09	54.00	-0.91	4.50	3	Vertical	110	1.50	-
AV	5.497G	92.65	Inf	-Inf	4.56	3	Vertical	110	1.50	-
PK	5.469G	63.23	68.20	-4.97	4.52	3	Vertical	110	1.50	-
PK	5.497G	102.95	Inf	-Inf	4.56	3	Vertical	110	1.50	-
PK	5.739G	58.10	68.20	-10.10	5.08	3	Vertical	110	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

30/12/2018

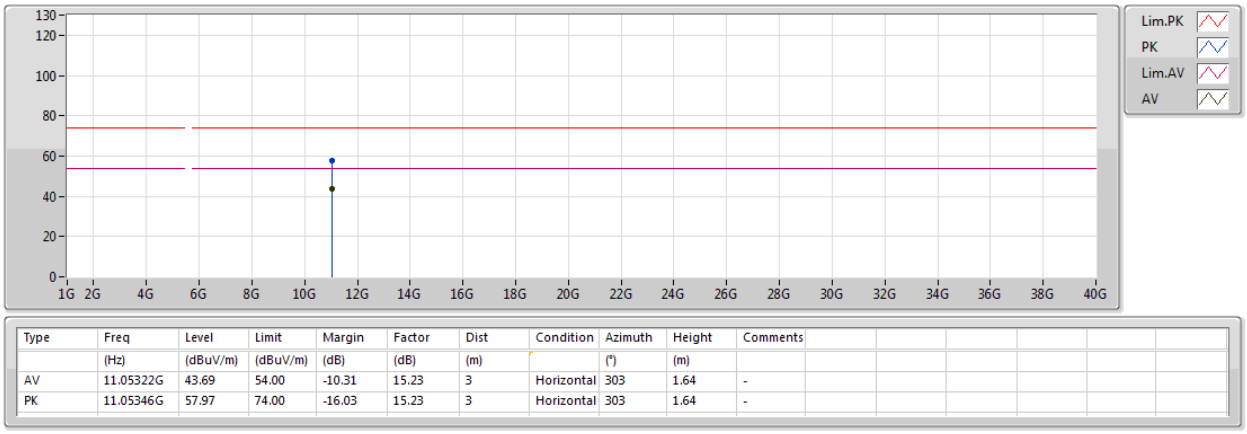


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.05502G	43.72	54.00	-10.28	15.22	3	Vertical	123	1.64	-
PK	11.06714G	57.57	74.00	-16.43	15.21	3	Vertical	123	1.64	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

30/12/2018

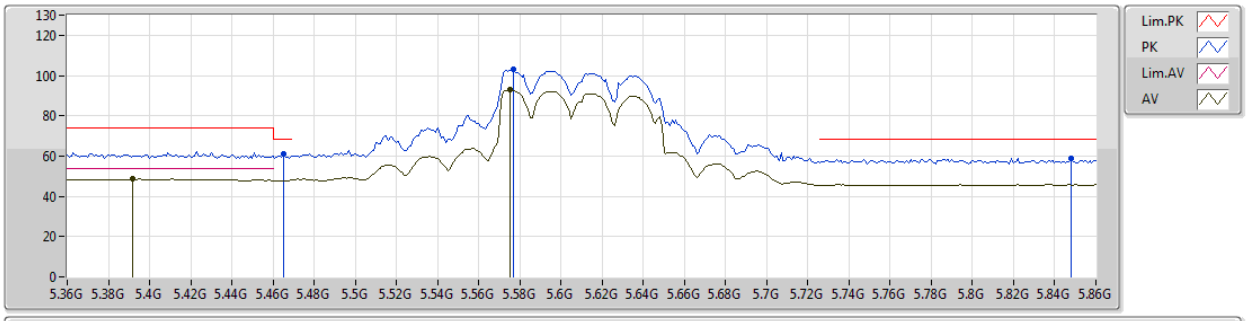


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.05322G	43.69	54.00	-10.31	15.23	3	Horizontal	303	1.64	-
PK	11.05346G	57.97	74.00	-16.03	15.23	3	Horizontal	303	1.64	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

30/12/2018

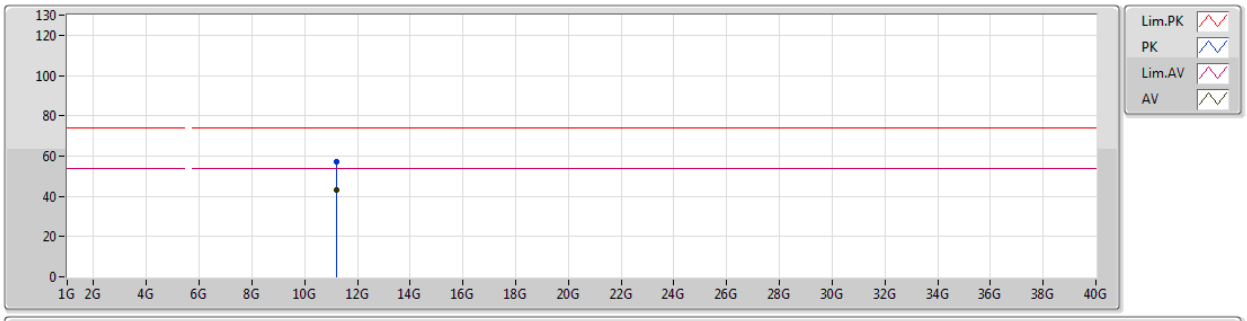


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.392G	48.52	54.00	-5.48	4.44	3	Vertical	91	1.50	-
AV	5.575G	92.76	Inf	-Inf	4.70	3	Vertical	91	1.50	-
PK	5.465G	61.04	68.20	-7.16	4.52	3	Vertical	91	1.50	-
PK	5.577G	103.08	Inf	-Inf	4.70	3	Vertical	91	1.50	-
PK	5.848G	58.84	68.20	-9.36	5.29	3	Vertical	91	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

30/12/2018

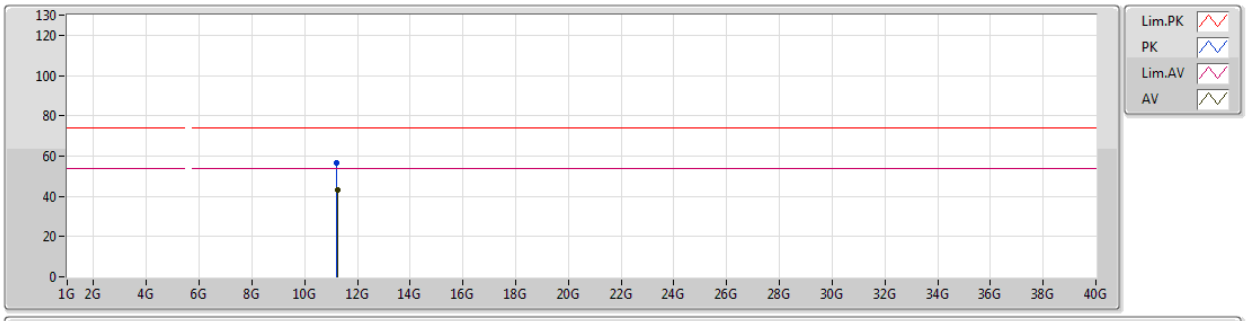


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.21742G	42.99	54.00	-11.01	15.06	3	Vertical	307	1.51	-
PK	11.22174G	57.34	74.00	-16.66	15.04	3	Vertical	307	1.51	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

30/12/2018

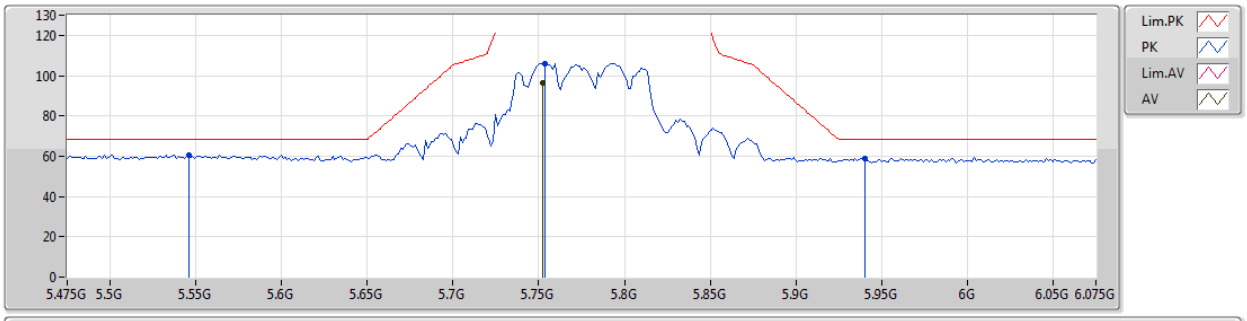


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.2347G	42.91	54.00	-11.09	15.03	3	Horizontal	37	1.58	-
PK	11.21934G	56.76	74.00	-17.24	15.05	3	Horizontal	37	1.58	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

30/12/2018

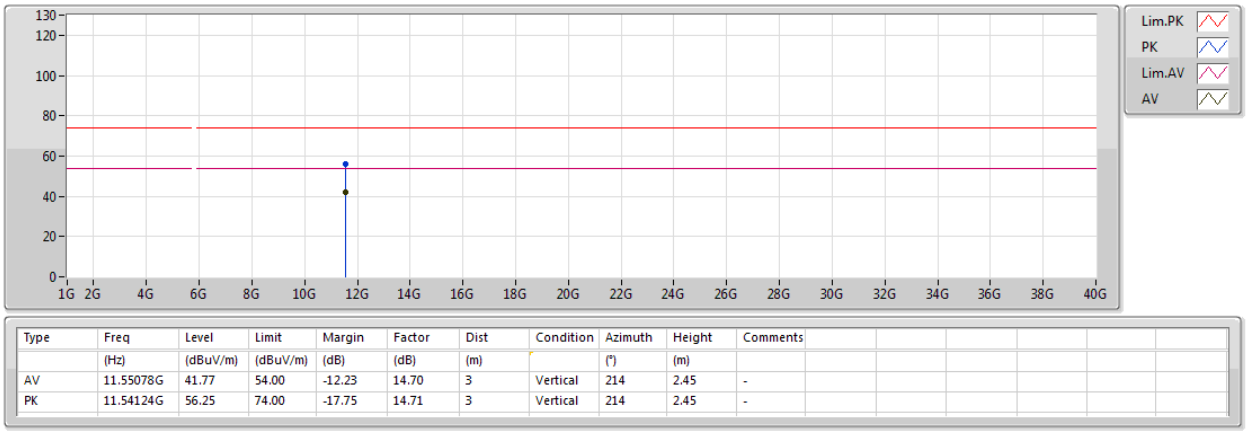


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7522G	96.11	Inf	-Inf	5.12	3	Vertical	111	2.13	-
PK	5.5458G	60.62	68.20	-7.58	4.64	3	Vertical	111	2.13	-
PK	5.7534G	106.06	Inf	-Inf	5.12	3	Vertical	111	2.13	-
PK	5.9406G	58.99	68.20	-9.21	5.37	3	Vertical	111	2.13	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

30/12/2018

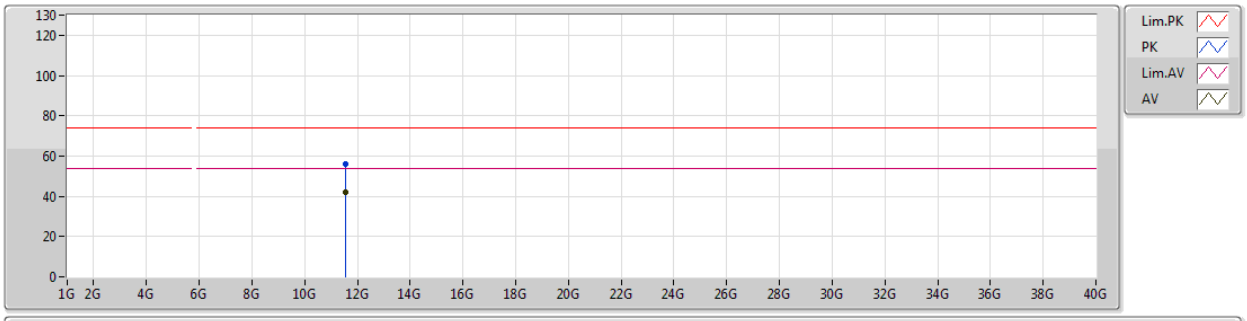


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.55078G	41.77	54.00	-12.23	14.70	3	Vertical	214	2.45	-
PK	11.54124G	56.25	74.00	-17.75	14.71	3	Vertical	214	2.45	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

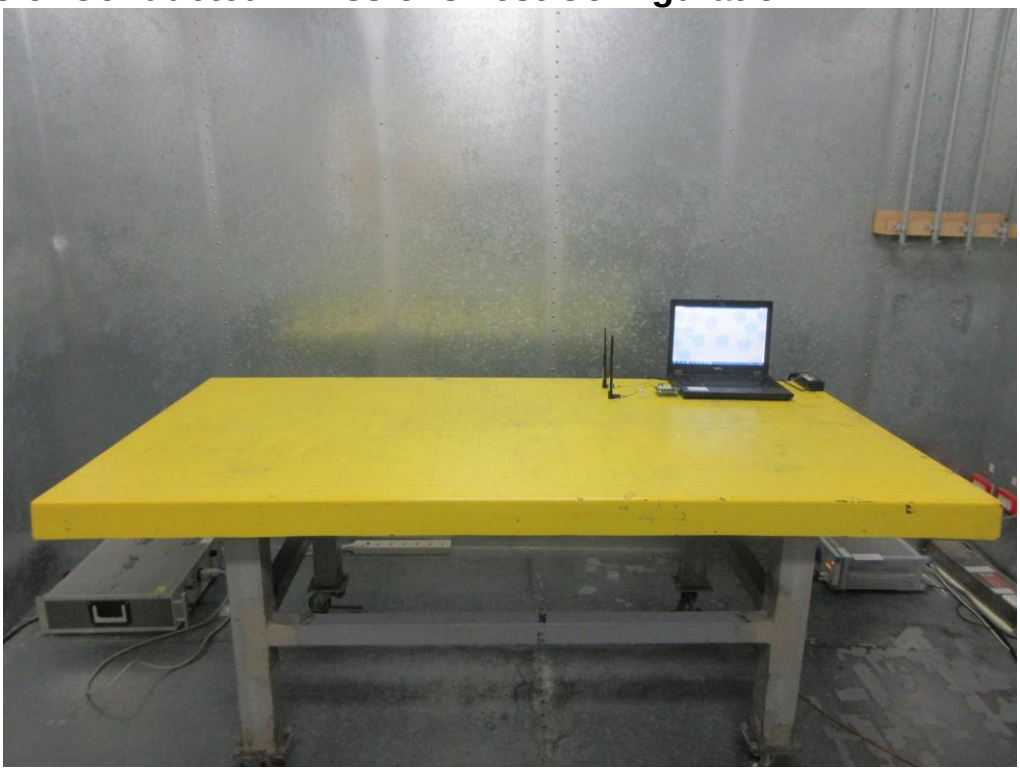
30/12/2018



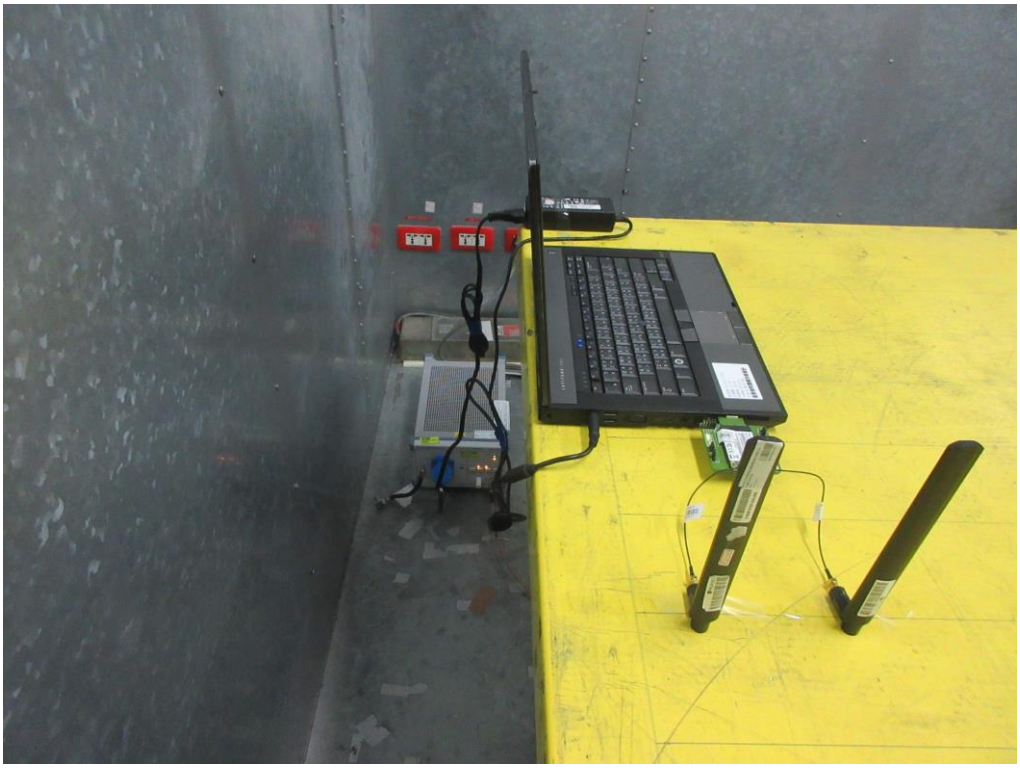
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.55078G	41.80	54.00	-12.20	14.70	3	Horizontal	324	1.99	-
PK	11.5608G	55.98	74.00	-18.02	14.69	3	Horizontal	324	1.99	-

1. Photographs of Conducted Emissions Test Configuration

Front view



Side view



Under table view

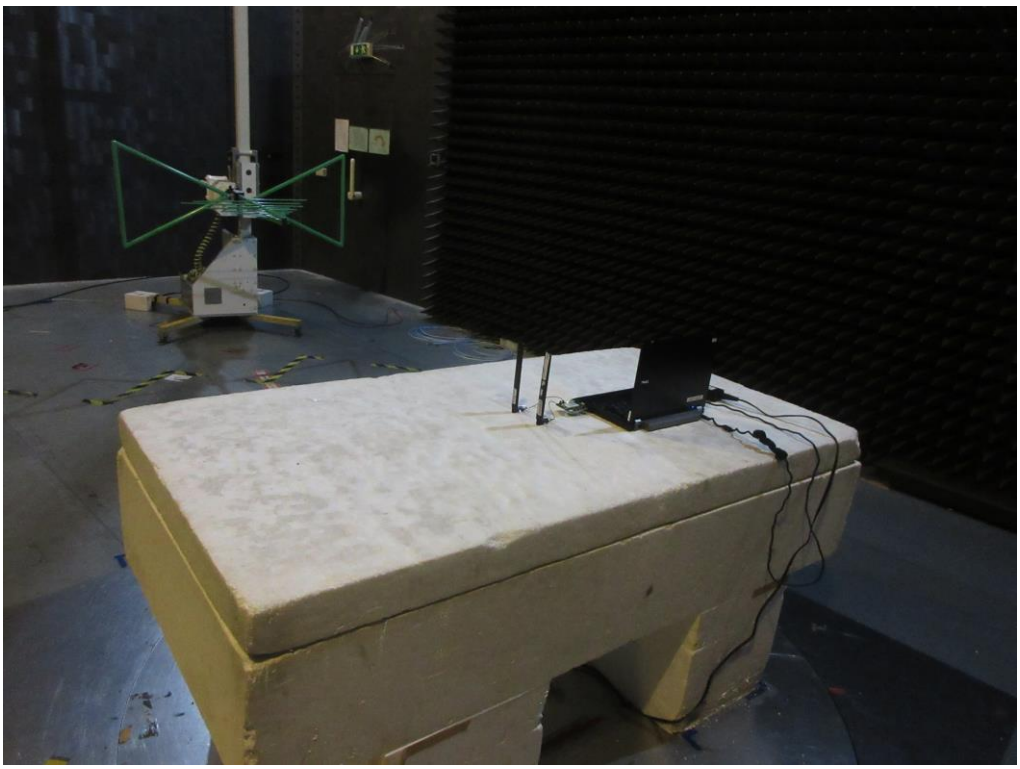
EUT close-up photo

2. Photographs of Radiated Emissions Test Configuration

For radiated emissions 30MHz~1GHz

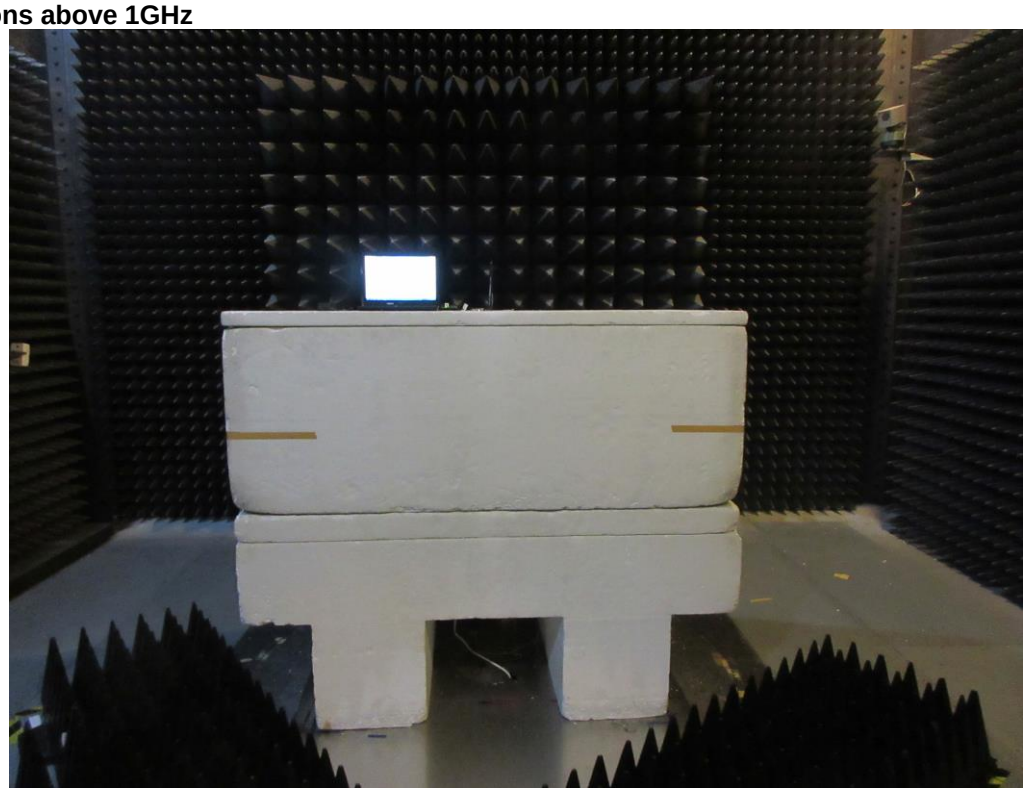
Front view

Rear view



For radiated emissions above 1GHz

Front view



Rear view

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