



FCC Test Report

FCC ID : 2AXZJ-CTX0700
Equipment : Telematics Control Unit
Brand Name : Lucid USA, Inc
Model Name : P11-K29000
Applicant : Lucid USA, Inc
Lucid Motors, Inc 7373 Gateway Blvd,
Newark, California, United States, 94560
Manufacturer : Lucid USA, Inc
Lucid Motors, Inc 7373 Gateway Blvd,
Newark, California, United States, 94560
Standard : 47 CFR FCC Part 15.407

The product was received on Sep. 09, 2020, and testing was started from Sep. 09, 2020 and completed on Oct. 01, 2020. 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 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

[illegible]

Summary of Test Result

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

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

None

Reviewed by: Sam Tsai

Report Producer: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	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 Name	Antenna Type	Connector
1	Amphenol	L: UDB332-04-000-C , R: UDB332-04-100-C	FPC	FARKA
2	Amphenol	L: UDB332-04-000-C , R: UDB332-04-100-C	FPC	FARKA
3	Amphenol	L :UDB331-04-000-C-SHT180, R: UDB331-04-100-C-SHT180	FPC	FARKA
4	Amphenol	L :UDB331-04-000-C-SHT180, R: UDB331-04-100-C-SHT180	FPC	FARKA

Ant.	Port	2.4G Gain (dBi)						Remark (Note. 1)
		2400	2420	2440	2460	2480	2500	
1	1	4.07	3.64	2.57	4.07	3.24	3.28	w/o cable
		-0.88	-1.31	-2.38	-0.88	-1.71	-1.67	with cable

Ant.	Port	5G Gain (dBi)						Remark (Note. 2)
		5150	5200	5250	5700	5750	5800	
1~2	1~2	4.04	4.05	3.53	3.52	3.62	4.16	w/o cable
		-3.35	-3.34	-3.86	-4.36	-4.26	-3.72	with cable

Ant.	Port	WWAN 2G/3G Gain (dBi)					Remark (Note. 3)
		GSM 850	PCS 1900	WCDMA Band 2	WCDMA Band 4	WCDMA Band 5	
3~4	1~2	5.41	2.85	2.33	2.11	6.3	w/o cable
		0.57	-1.99	-2.51	-2.73	1.46	with cable

Ant.	Port	WWAN 4G Gain (dBi)							Remark (Note. 3)
		LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 13	LTE Band 29	
3~4	1~2	2.33	2.11	6.3	1.88	6.8	6.8	5.7	w/o cable
		-2.51	-2.73	1.46	-2.96	1.96	1.96	0.86	with cable

Note 1: WLAN 2.4G cable loss = 4.95 dB.

Note 2: WLAN 5GHz Band 1 cable loss = 7.39 dB, and 5GHz Band 4 cable loss = 7.88 dB.

Note 3: WWAN cable loss = 4.84 dB.

Note 4 The EUT has four antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For WWAN function (1TX/2RX):

Ant. 3 (port 1) could transmit, and Ant. 3 (port 1) and Ant. 4 (port 2) could receive simultaneously.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From Battery		
EUT Function	☒	Outdoor AP	☐ Indoor AP
	☐	Fixed P2P AP	☐ Outdoor Client
Beamforming Function	☐	With beamforming	☒ Without beamforming
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) $\geq 1/T$
802.11a_Nss1,(6Mbps)_2TX	0.993	0.03	2.793m	10
802.11ac VHT20_Nss1,(MCS0)_2TX	0.992	0.03	2.348m	10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.98	0.09	1.154m	10
802.11ac VHT80_Nss1,(MCS0)_2TX	0.963	0.16	555.937u	3k

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

1.2 Testing Applied Standards

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

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

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

- ♦ KDB 662911 D01 v02r01
- ♦ KDB 414788 D01 v01r01

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.				
☐	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)		
		TEL : 886-3-318-0787	FAX : 886-3-318-0287	
Test site Designation No. TW1097 with FCC.				

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Vivi	20.1~26.9°C / 50~60%	21/Sep/2020
Radiated	03CH02-HY	Daniel Lin	20.8~26.1°C / 53~62%	09/Sep/2020~01/Oct/2020

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)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
TnomVnom	Tnom	20°C
	Vnom	120V

2.2 Test Channel Mode

Test Software Version	DoS 1.6
-----------------------	---------

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	18
5200MHz	16
5240MHz	14
5745MHz	16
5785MHz	17
5825MHz	15
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	18
5200MHz	18
5240MHz	18
5745MHz	18
5785MHz	18
5825MHz	17
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	16.5
5230MHz	17
5755MHz	17
5795MHz	17
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	16.5
5775MHz	18

2.3 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4G + WLAN 5G + WWAN 2G/3G/4G
Refer to Sporton Test Report No.: FA000705 for Co-location RF Exposure Evaluation.	

2.4 Accessories

Accessories		
DC Power Cable	Signal Line	2.51 meter, non-shielded cable, w/o ferrite core
USB 3.0 Cable	Signal Line	0.5 meter, non-shielded cable, w/o ferrite core
RJ45 Cable	Signal Line	0.5 meter, non-shielded cable, w/o ferrite core
APTIV Cable	Signal Line	15 meter, shielded cable, w/o ferrite core
Antenna Cable (WiFi*2)	Signal Line	5.41 meter, shielded cable, w/o ferrite core
Antenna Cable (LTE L & R)	Signal Line	5.83 meter, shielded cable, w/o ferrite core
GPS Cable	Signal Line	5.16 meter, shielded cable, w/o ferrite core

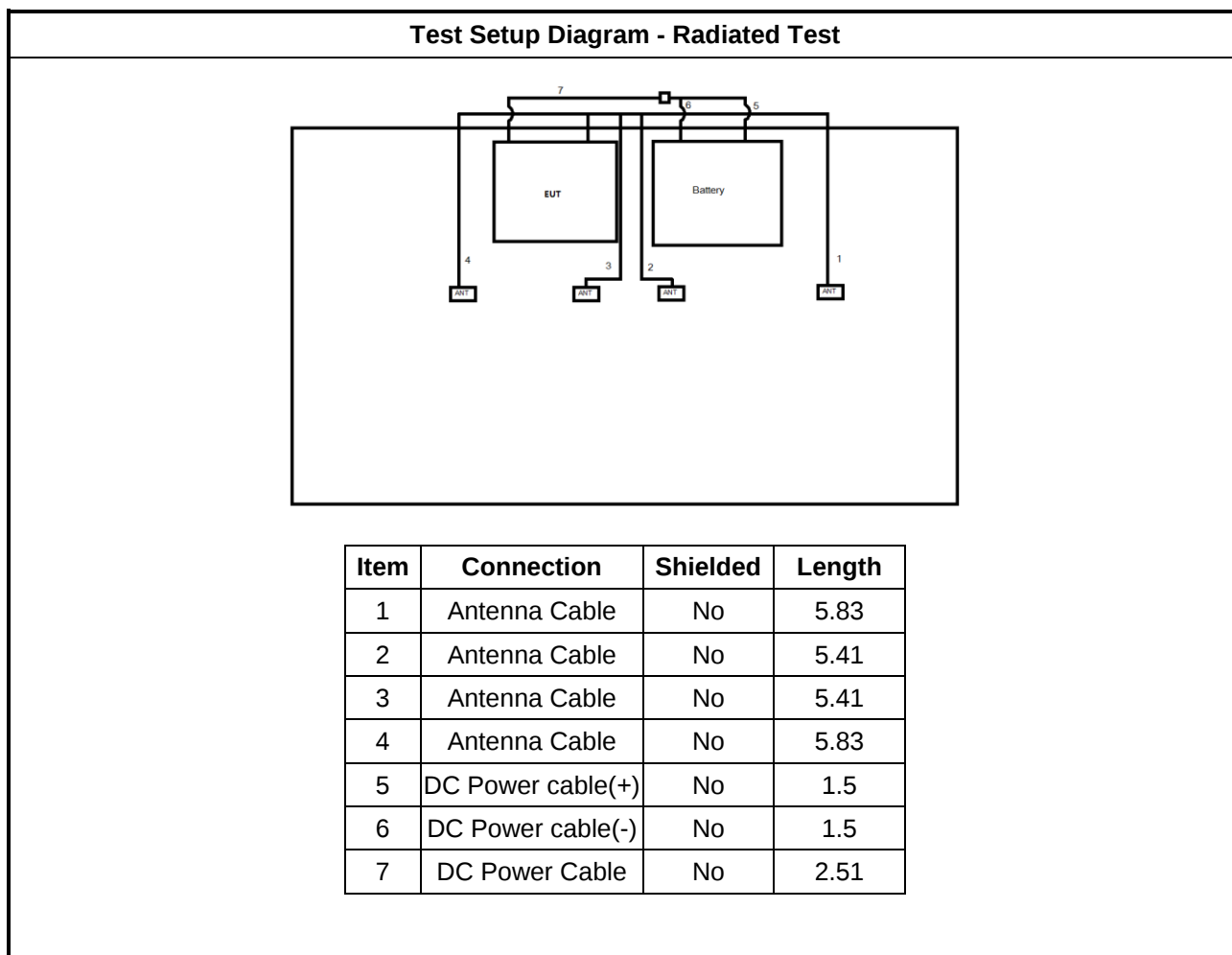
Reminder: Regarding to more detail and other information, please refer to user manual.

2.5 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Battery	Panasonic	-	-	-

2.6 Test Setup Diagram



3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

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

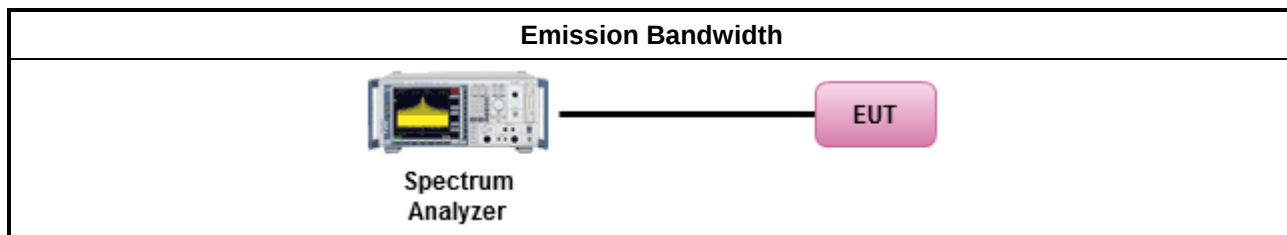
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

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

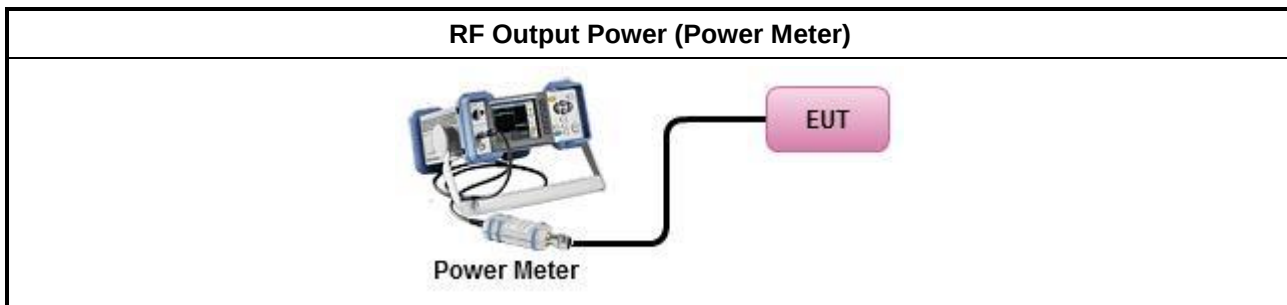
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	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: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

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

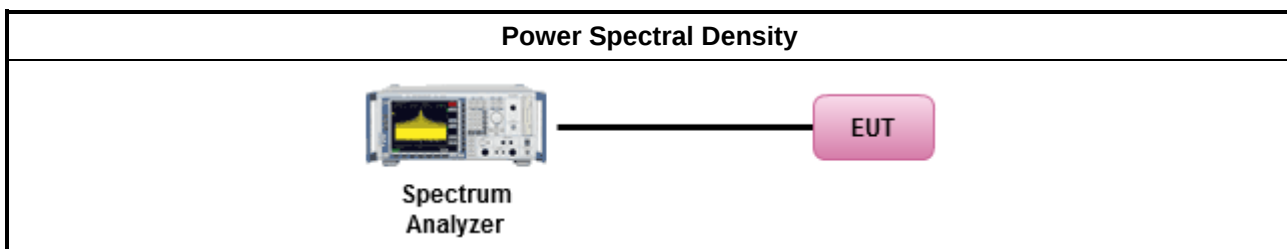
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

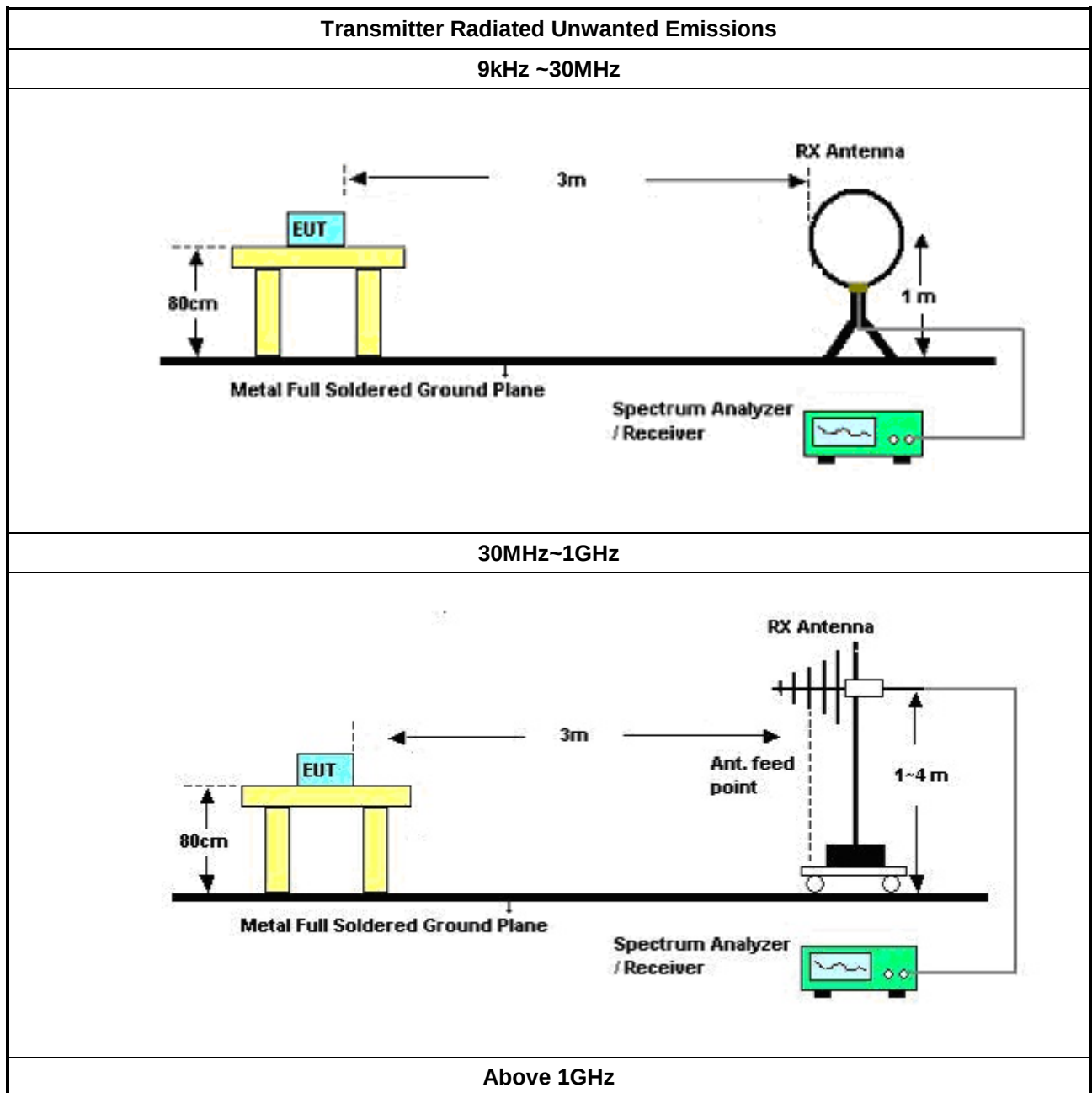
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 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.	
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

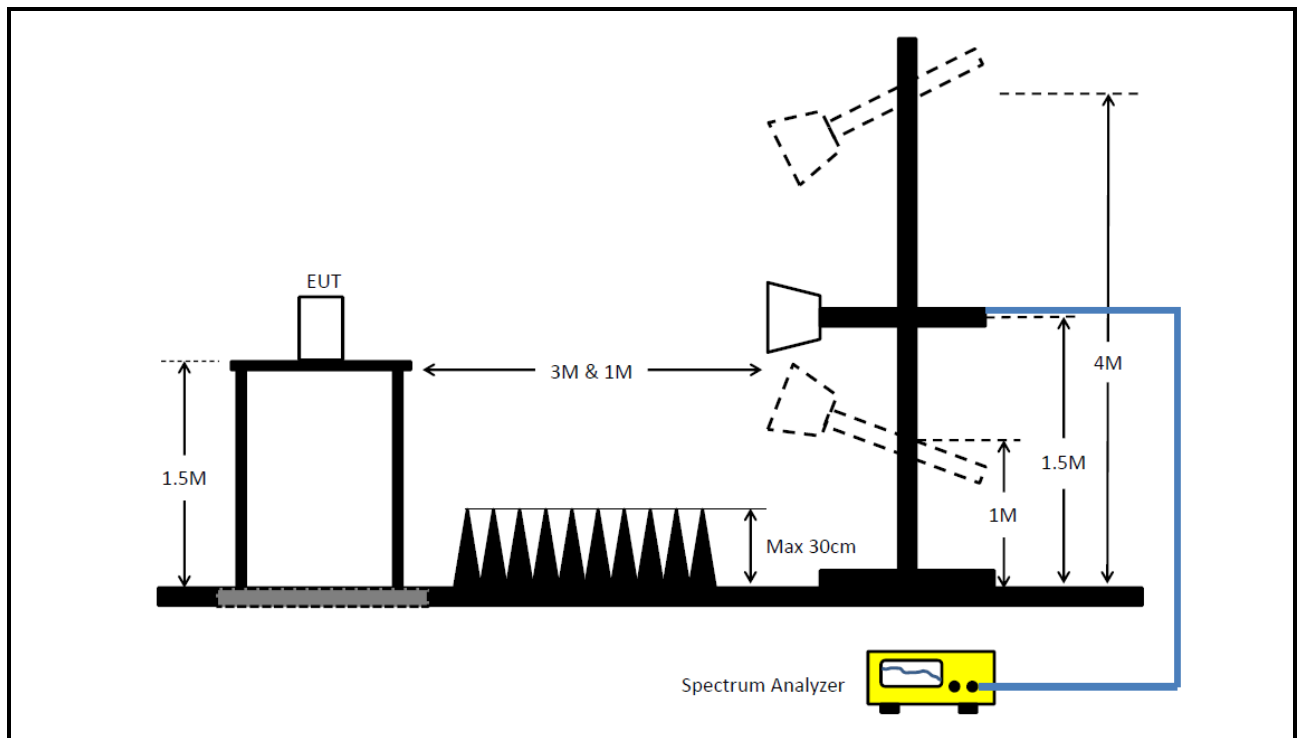
3.4.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.4.5 Test Setup





3.4.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.4.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	19/Mar/2020	18/Mar/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020
Pulse Sensor	Anritsu	MA2411B	917017	300MHz~40GHz	17/Feb/2020	16/Feb/2021
Power Meter	Anritsu	ML2495A	949003	300MHz~40GHz	17/Feb/2020	16/Feb/2021

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	04/Aug/2020	03/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSP40	100593	1GHz~26.5GHz	27/Feb/2020	26/Feb/2021
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	16/Oct/2019	15/Oct/2020
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
Double Ridged Guide Horn Antenna	COM-POWER	AH-118	10094	1GHz~18GHz	08/Jul/2020	07/Jul/2021
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz~30MHz	20/Jun/2020	19/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	30MHz~1GHz	25/Mar/2020	24/Mar/2021
RF Cable-R03m	HUBER+SUHN ER	SUCOFLEX104	805193/4+8051 92/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
Broadband Horn Antenna	SCHWARZBEC K	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021

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	26.19M	16.72M	16M7D1D	21.48M	16.504M
802.11ac VHT20_Nss1,(MCS0)_2TX	31.23M	17.895M	17M9D1D	22.44M	17.799M
802.11ac VHT40_Nss1,(MCS0)_2TX	55.92M	36.27M	36M3D1D	39.9M	36.174M
802.11ac VHT80_Nss1,(MCS0)_2TX	90.12M	75.61M	75M6D1D	86.64M	75.61M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.32M	16.648M	16M6D1D	16.29M	16.528M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.55M	17.991M	18M0D1D	17.25M	17.799M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.58M	36.366M	36M4D1D	35.16M	36.222M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.12M	76.09M	76M1D1D	75.12M	75.706M

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

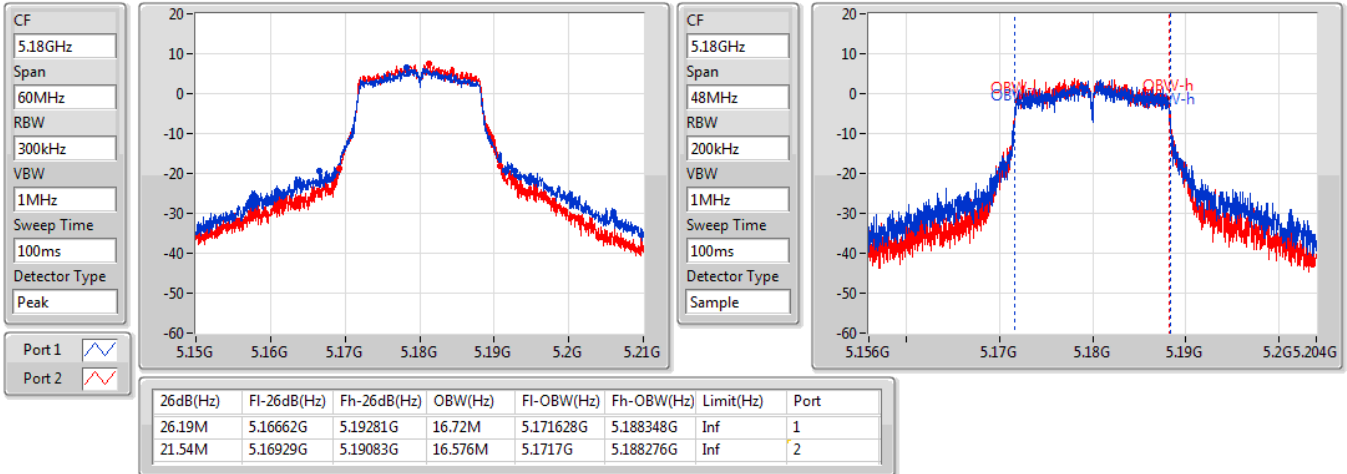
Result

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	26.19M	16.72M	21.54M	16.576M
5200MHz	Pass	Inf	21.69M	16.552M	21.6M	16.504M
5240MHz	Pass	Inf	21.6M	16.504M	21.48M	16.504M
5745MHz	Pass	500k	16.29M	16.648M	16.32M	16.576M
5785MHz	Pass	500k	16.32M	16.648M	16.32M	16.6M
5825MHz	Pass	500k	16.29M	16.552M	16.32M	16.528M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	29.16M	17.799M	23.97M	17.799M
5200MHz	Pass	Inf	30.75M	17.871M	23.1M	17.799M
5240MHz	Pass	Inf	31.23M	17.895M	22.44M	17.823M
5745MHz	Pass	500k	17.52M	17.991M	17.52M	17.895M
5785MHz	Pass	500k	17.55M	17.991M	17.25M	17.799M
5825MHz	Pass	500k	17.55M	17.799M	17.55M	17.799M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	47.46M	36.174M	39.9M	36.222M
5230MHz	Pass	Inf	55.92M	36.27M	40.92M	36.174M
5755MHz	Pass	500k	35.16M	36.366M	35.58M	36.27M
5795MHz	Pass	500k	35.16M	36.366M	35.16M	36.222M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	90.12M	75.61M	86.64M	75.61M
5775MHz	Pass	500k	75.12M	76.09M	75.12M	75.706M

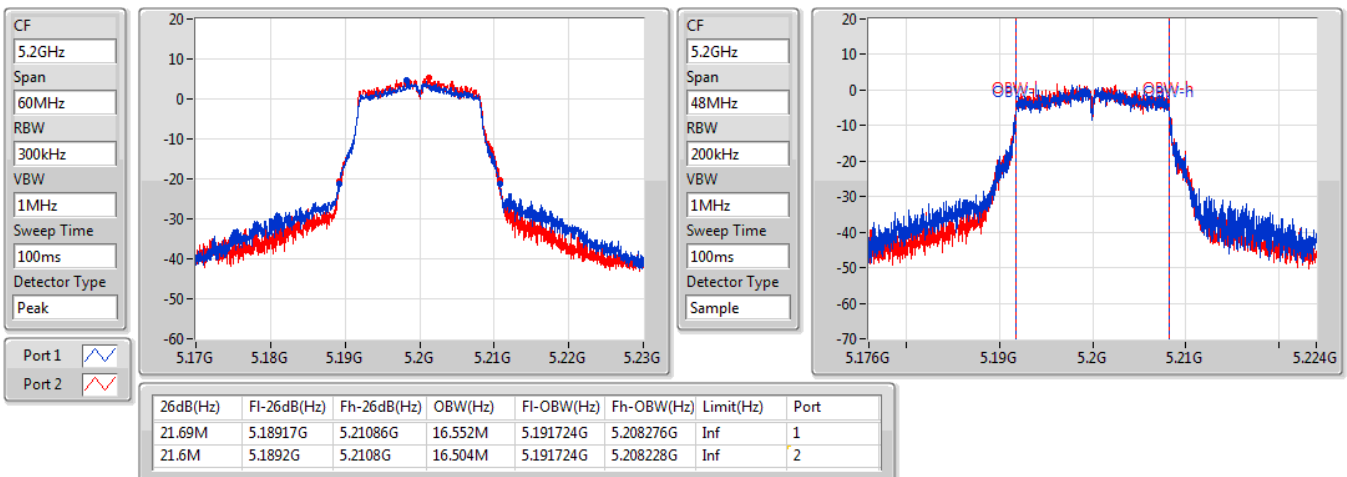
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

21/09/2020

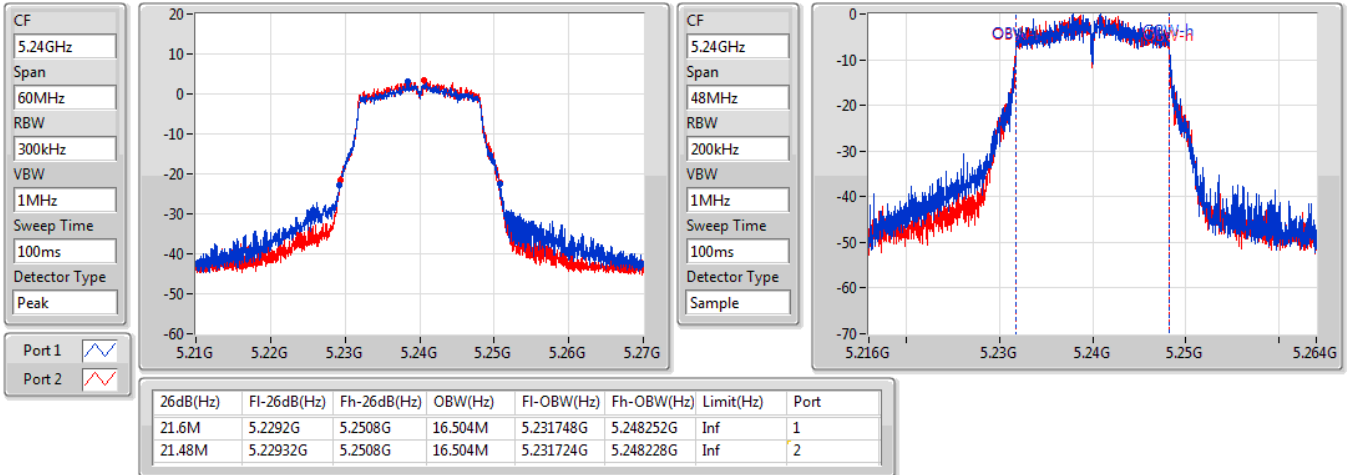

802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

21/09/2020

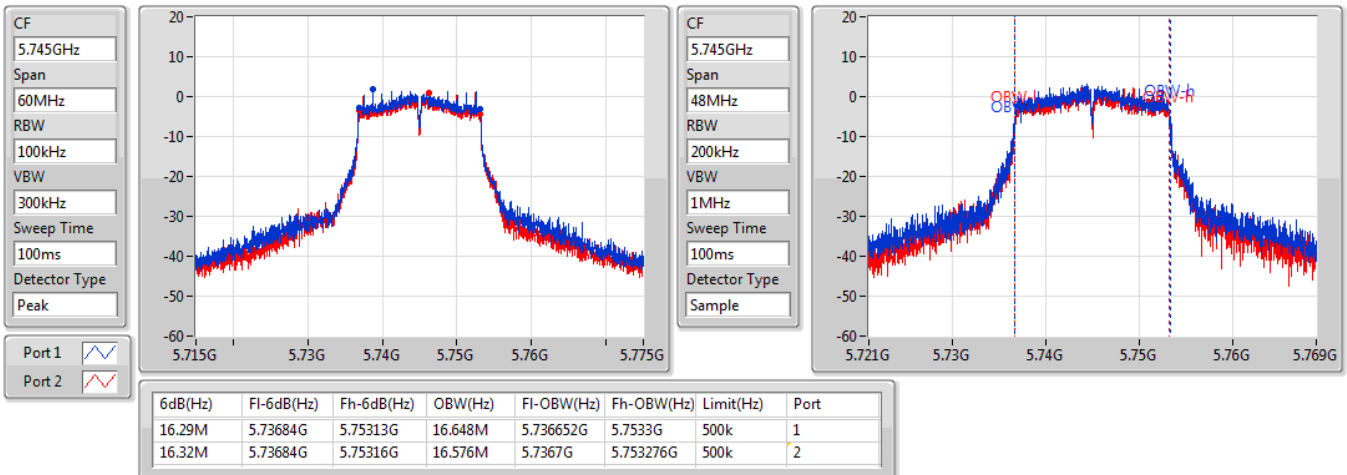


802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

21/09/2020

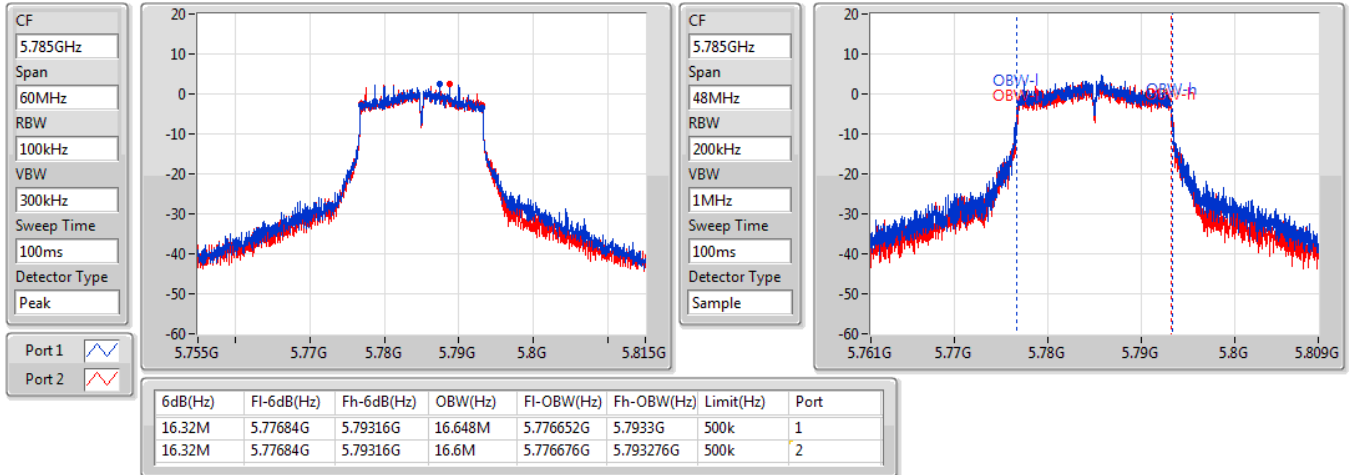

802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

21/09/2020

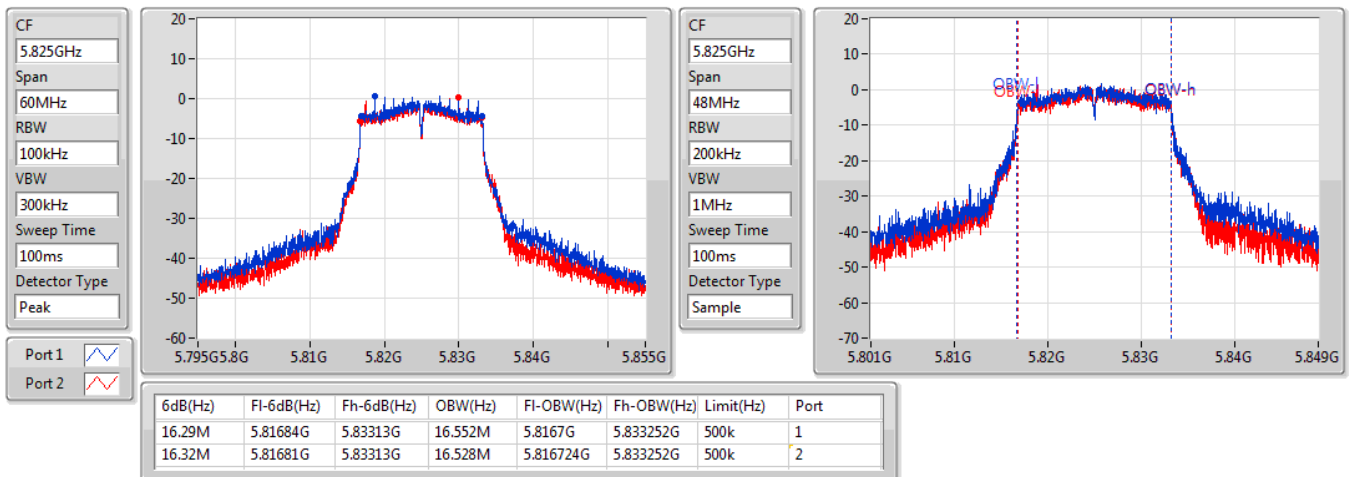


802.11a_Nss1,(6Mbps)_2TX
EBW
5785MHz

21/09/2020


802.11a_Nss1,(6Mbps)_2TX
EBW
5825MHz

21/09/2020

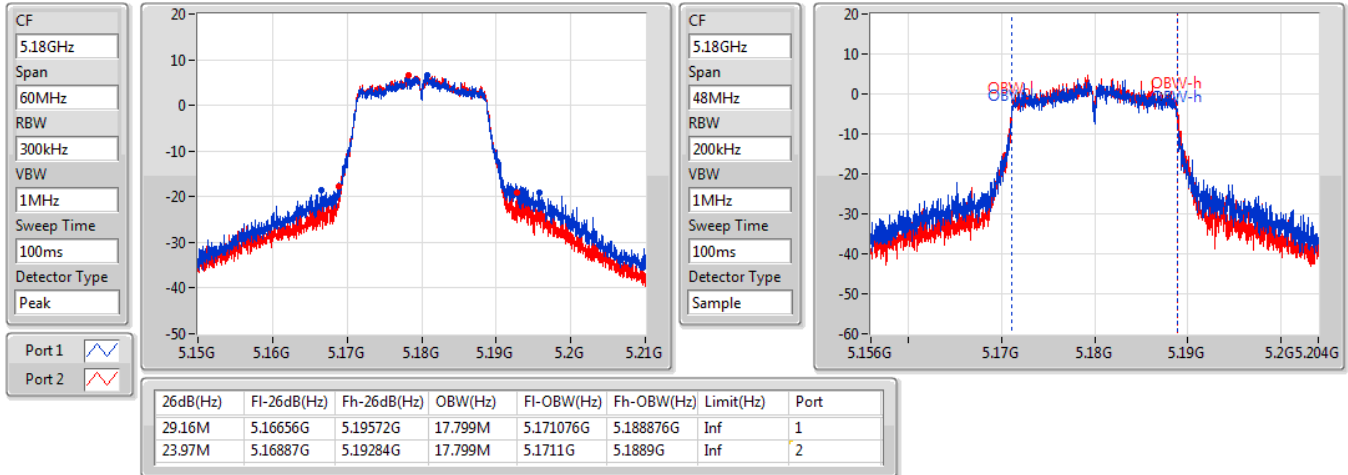


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

21/09/2020

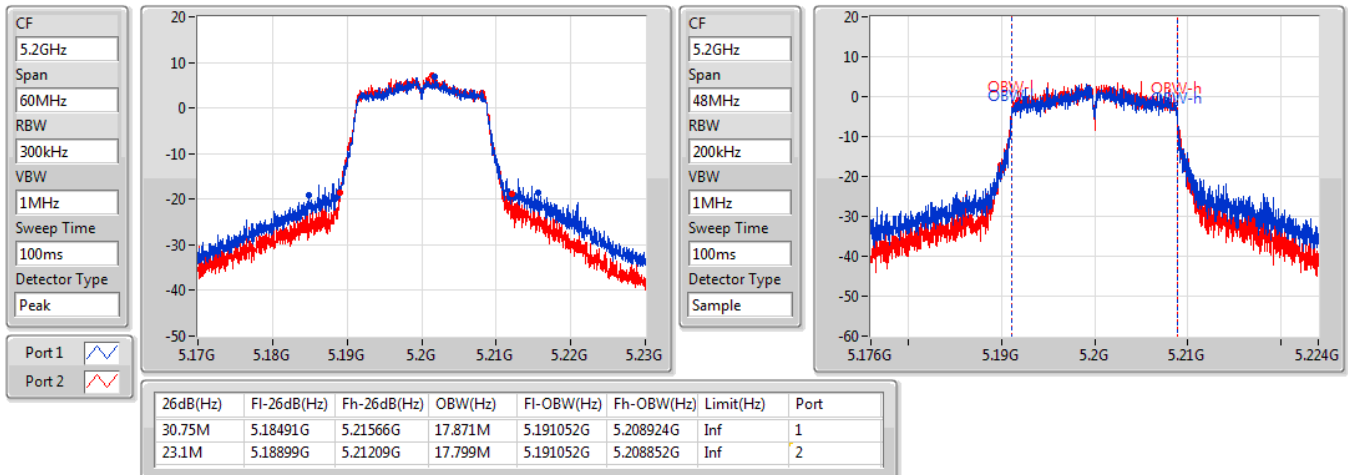


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

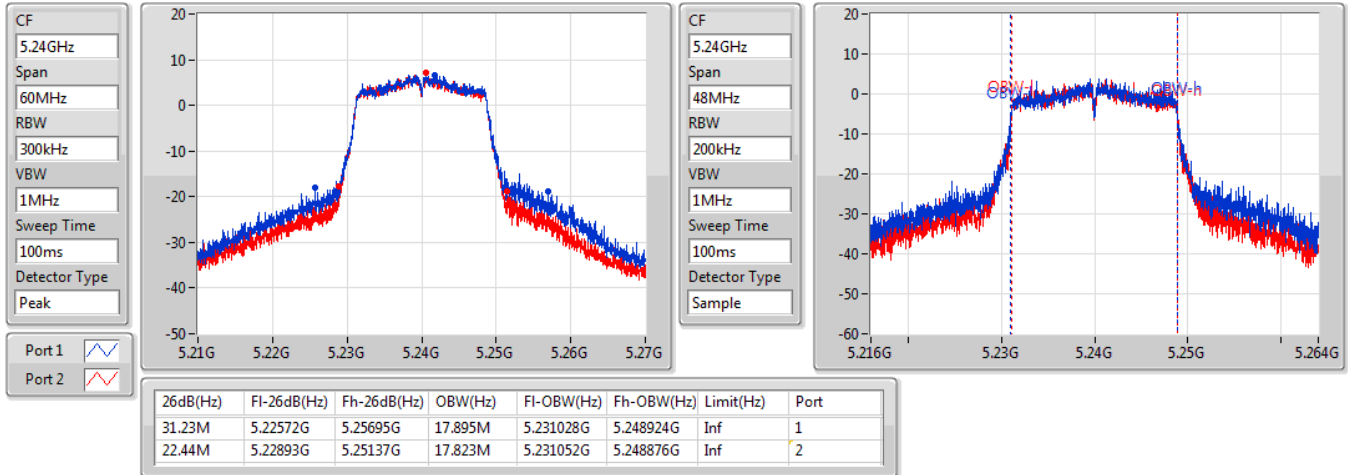
5200MHz

21/09/2020

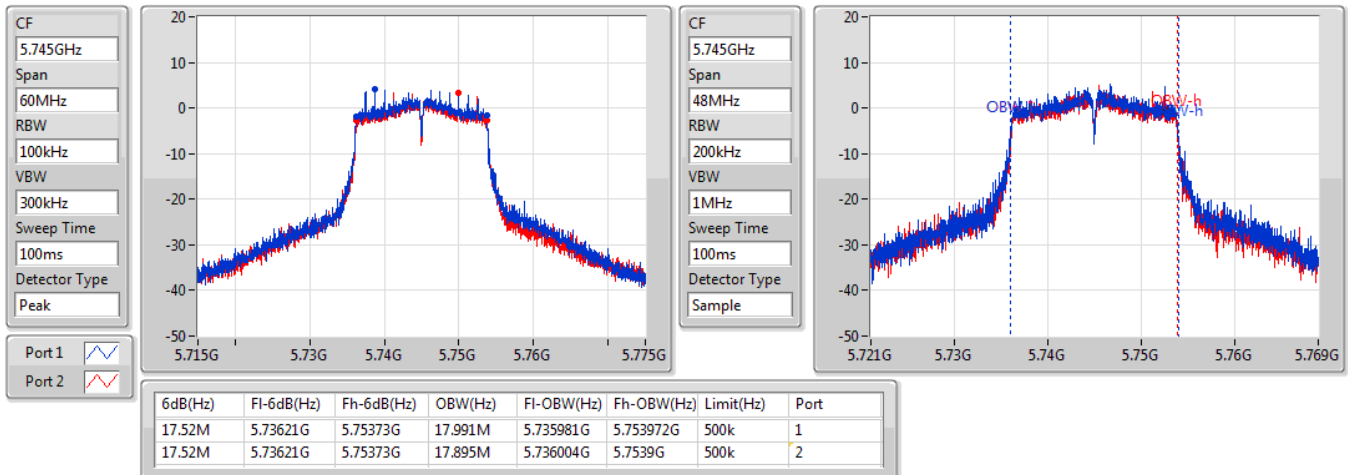


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5240MHz

21/09/2020

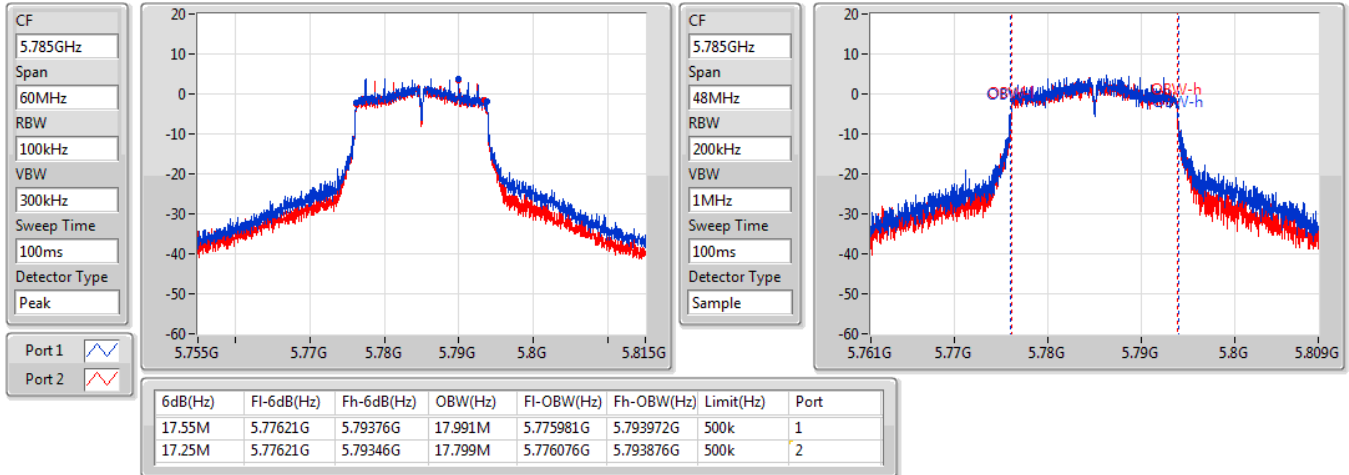

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5745MHz

21/09/2020

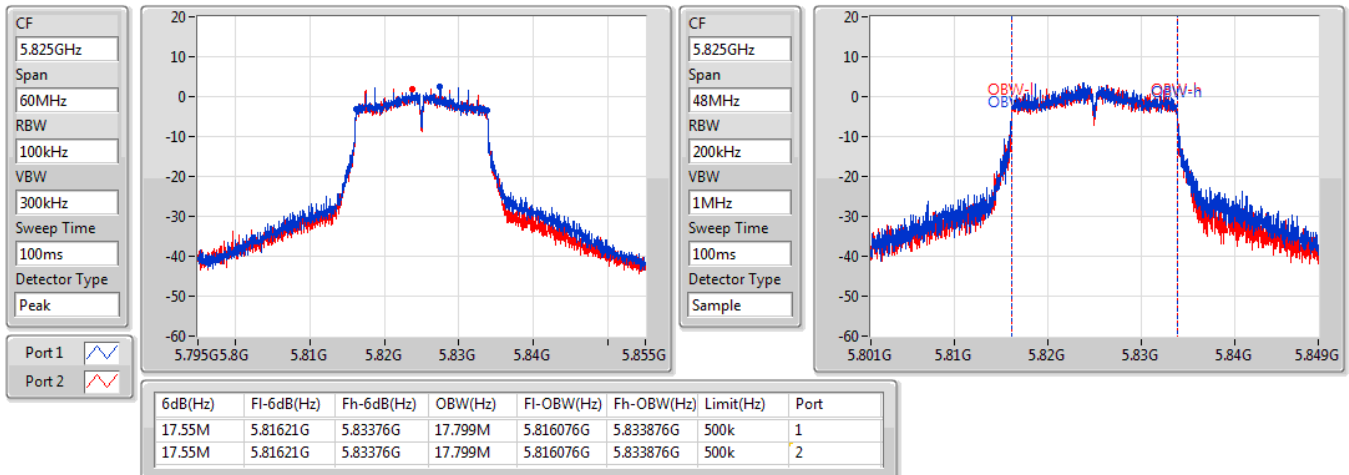


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5785MHz

21/09/2020

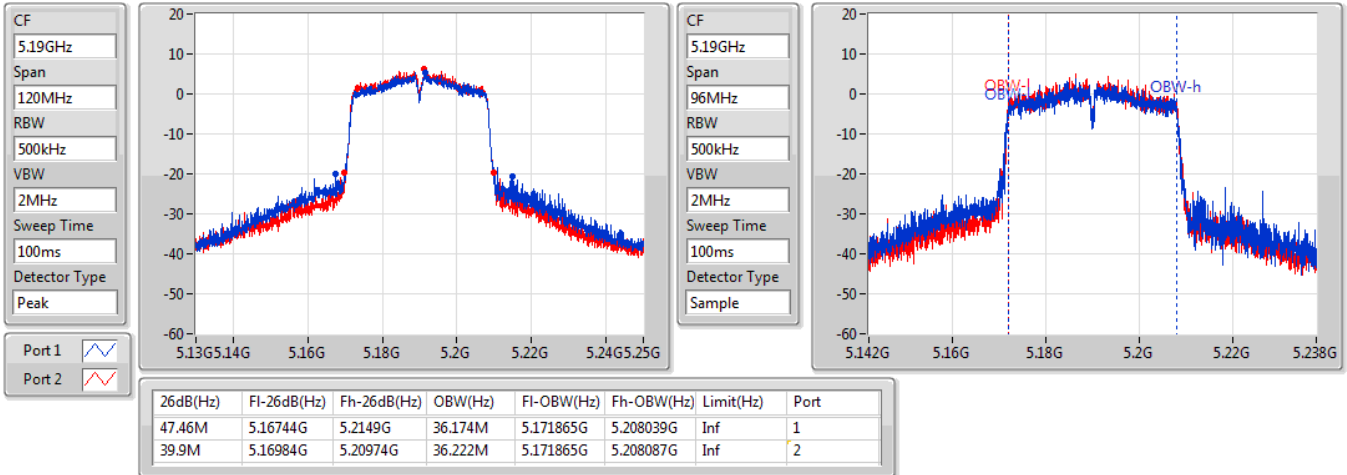

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5825MHz

21/09/2020

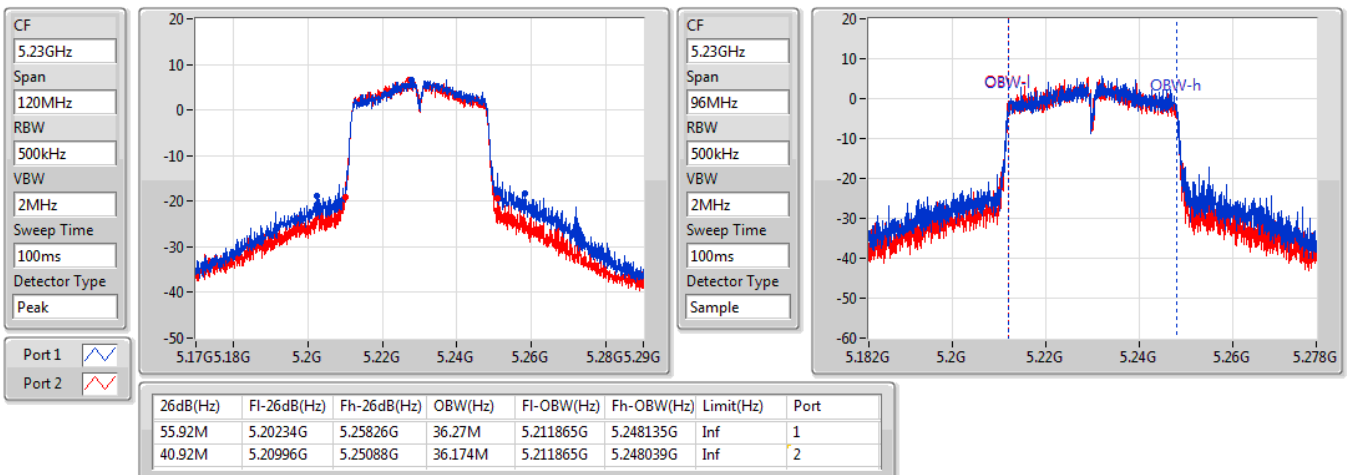


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5190MHz

21/09/2020

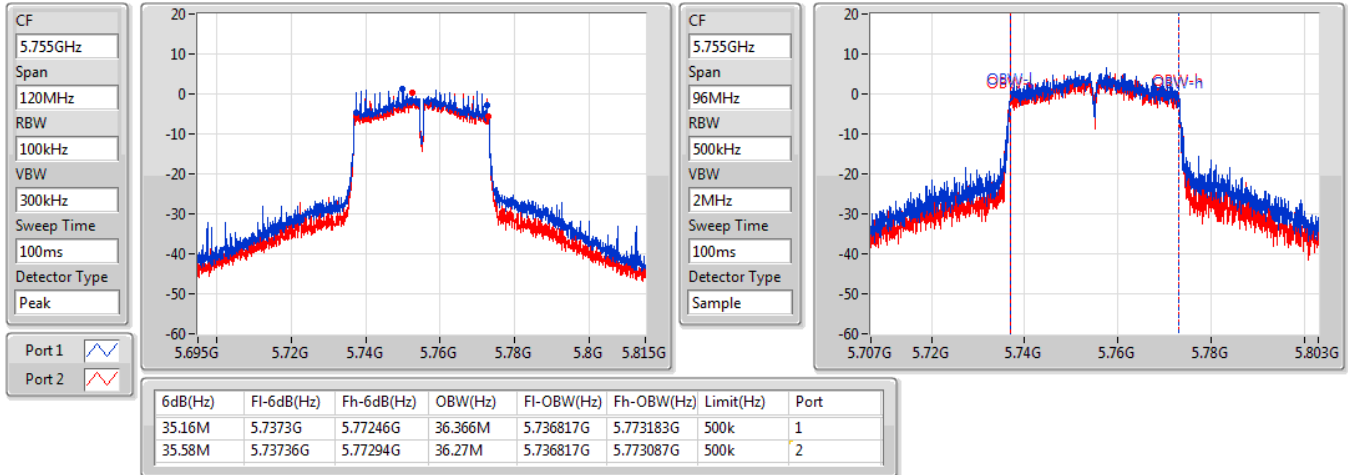

802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5230MHz

21/09/2020

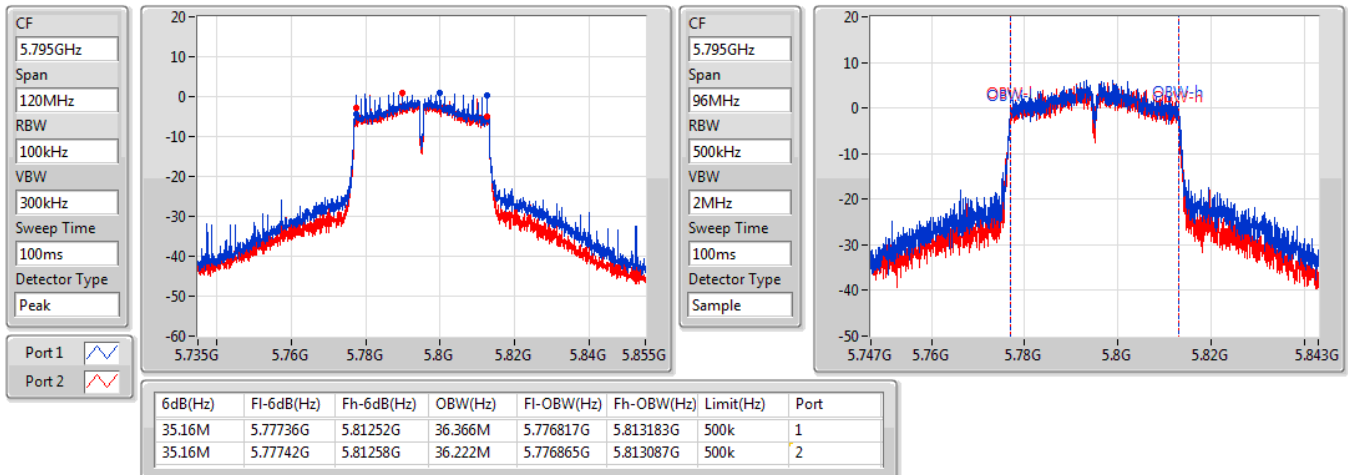


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5755MHz

21/09/2020


802.11ac VHT40_Nss1,(MCS0)_2TX
EBW
5795MHz

21/09/2020

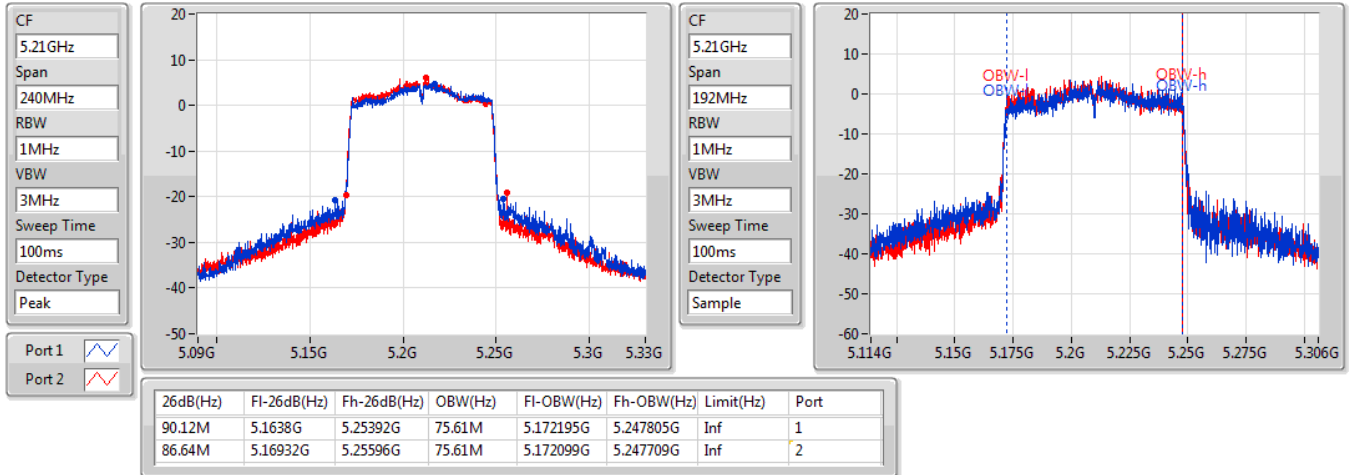


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

21/09/2020

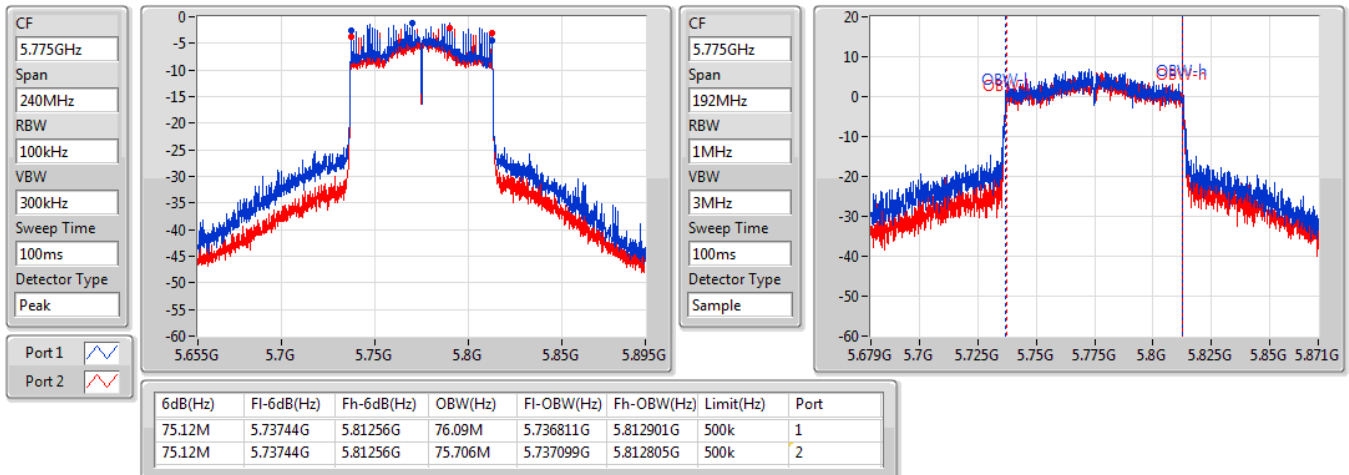


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

21/09/2020



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	17.59	0.05741	14.25	0.02661
802.11ac VHT20_Nss1,(MCS0)_2TX	17.50	0.05623	14.16	0.02606
802.11ac VHT40_Nss1,(MCS0)_2TX	16.99	0.05000	13.13	0.02056
802.11ac VHT80_Nss1,(MCS0)_2TX	15.44	0.03499	12.10	0.01622
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	17.45	0.05559	13.73	0.02360
802.11ac VHT20_Nss1,(MCS0)_2TX	18.30	0.06761	14.51	0.02825
802.11ac VHT40_Nss1,(MCS0)_2TX	18.02	0.06339	14.29	0.02685
802.11ac VHT80_Nss1,(MCS0)_2TX	18.28	0.06730	14.56	0.02858

**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	-3.34	14.27	14.86	17.59	30.00	14.25	36.00
5200MHz	Pass	-3.34	12.16	12.21	15.20	30.00	11.86	36.00
5240MHz	Pass	-3.86	10.62	10.45	13.55	30.00	9.69	36.00
5745MHz	Pass	-4.26	13.95	13.13	16.57	30.00	12.31	36.00
5785MHz	Pass	-3.72	14.61	14.26	17.45	30.00	13.73	36.00
5825MHz	Pass	-3.72	12.57	12.21	15.40	30.00	11.68	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	-3.34	14.20	14.57	17.40	30.00	14.06	36.00
5200MHz	Pass	-3.34	14.15	14.80	17.50	30.00	14.16	36.00
5240MHz	Pass	-3.86	14.55	14.33	17.45	30.00	13.59	36.00
5745MHz	Pass	-4.26	15.54	15.02	18.30	30.00	14.04	36.00
5785MHz	Pass	-3.72	15.49	14.93	18.23	30.00	14.51	36.00
5825MHz	Pass	-3.72	14.24	14.02	17.14	30.00	13.42	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	-3.34	12.43	12.98	15.72	30.00	12.38	36.00
5230MHz	Pass	-3.86	14.10	13.86	16.99	30.00	13.13	36.00
5755MHz	Pass	-4.26	15.43	14.54	18.02	30.00	13.76	36.00
5795MHz	Pass	-3.72	15.33	14.64	18.01	30.00	14.29	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	-3.34	12.26	12.59	15.44	30.00	12.10	36.00
5775MHz	Pass	-3.72	15.63	14.87	18.28	30.00	14.56	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	5.72	5.39
802.11ac VHT20_Nss1,(MCS0)_2TX	5.41	5.06
802.11ac VHT40_Nss1,(MCS0)_2TX	2.29	1.44
802.11ac VHT80_Nss1,(MCS0)_2TX	-2.49	-2.82
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	4.14	3.43
802.11ac VHT20_Nss1,(MCS0)_2TX	4.80	4.02
802.11ac VHT40_Nss1,(MCS0)_2TX	1.77	0.97
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.12	-1.83

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	-0.33	2.53	2.96	5.72	17.00	5.39	23.00
5200MHz	Pass	-0.33	0.39	0.71	3.54	17.00	3.21	23.00
5240MHz	Pass	-0.85	-1.18	-1.29	1.73	17.00	0.88	23.00
5745MHz	Pass	-1.25	0.68	-0.15	3.25	30.00	2.00	36.00
5785MHz	Pass	-0.71	1.35	0.97	4.14	30.00	3.43	36.00
5825MHz	Pass	-0.71	-0.48	-1.02	2.26	30.00	1.55	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	-0.33	2.18	2.64	5.39	17.00	5.06	23.00
5200MHz	Pass	-0.33	2.13	2.62	5.35	17.00	5.02	23.00
5240MHz	Pass	-0.85	2.53	2.39	5.41	17.00	4.56	23.00
5745MHz	Pass	-1.25	2.10	1.51	4.80	30.00	3.55	36.00
5785MHz	Pass	-0.71	1.99	1.45	4.73	30.00	4.02	36.00
5825MHz	Pass	-0.71	0.72	0.53	3.64	30.00	2.93	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	-0.33	-2.46	-1.63	0.97	17.00	0.64	23.00
5230MHz	Pass	-0.85	-0.65	-0.77	2.29	17.00	1.44	23.00
5755MHz	Pass	-1.25	-0.76	-1.72	1.77	30.00	0.52	36.00
5795MHz	Pass	-0.71	-0.95	-1.64	1.68	30.00	0.97	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	-0.33	-5.69	-5.20	-2.49	17.00	-2.82	23.00
5775MHz	Pass	-0.71	-3.73	-4.48	-1.12	30.00	-1.83	36.00

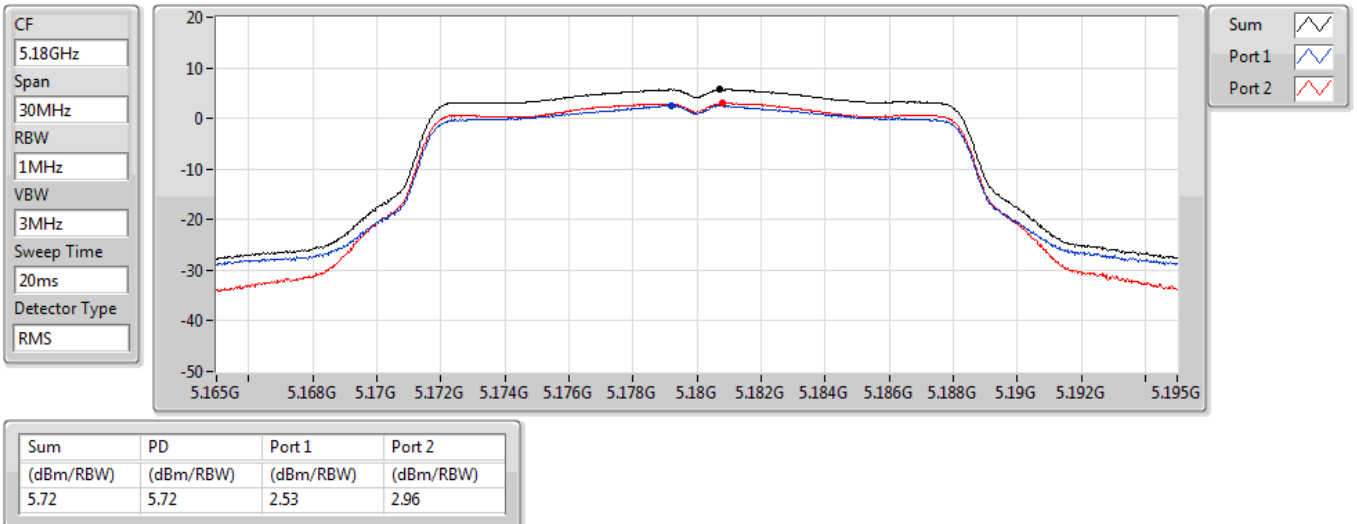
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

21/09/2020

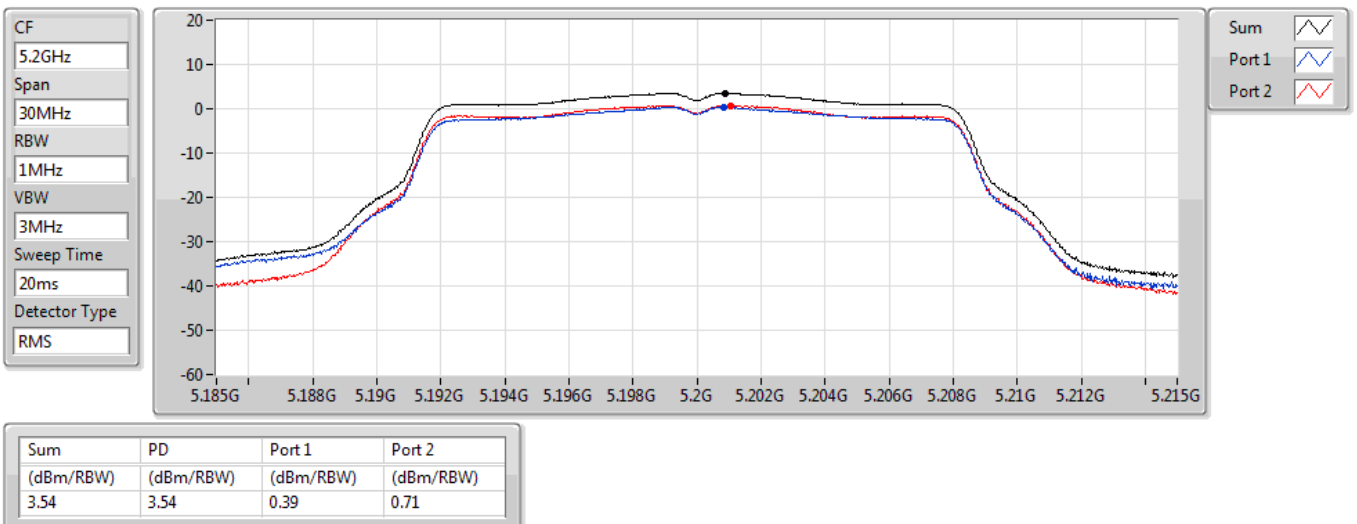


802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

21/09/2020



802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

21/09/2020

CF
5.24GHz

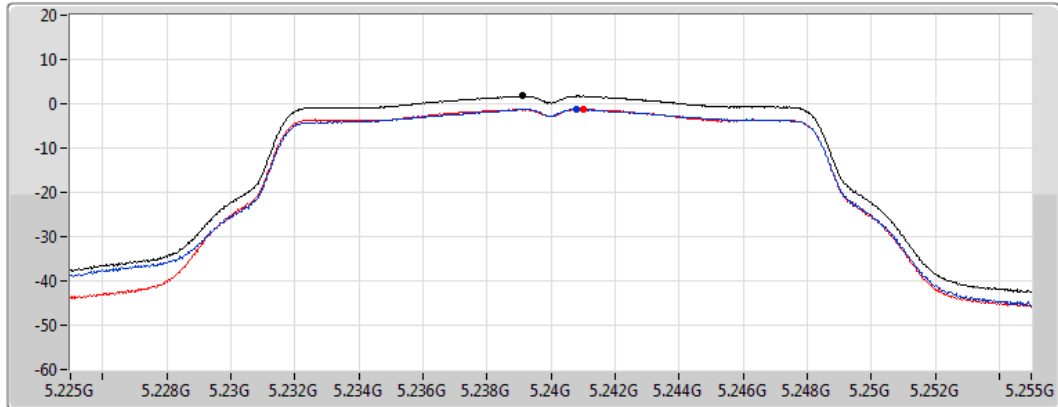
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.73	1.73	-1.18	-1.29

802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

21/09/2020

CF
5.745GHz

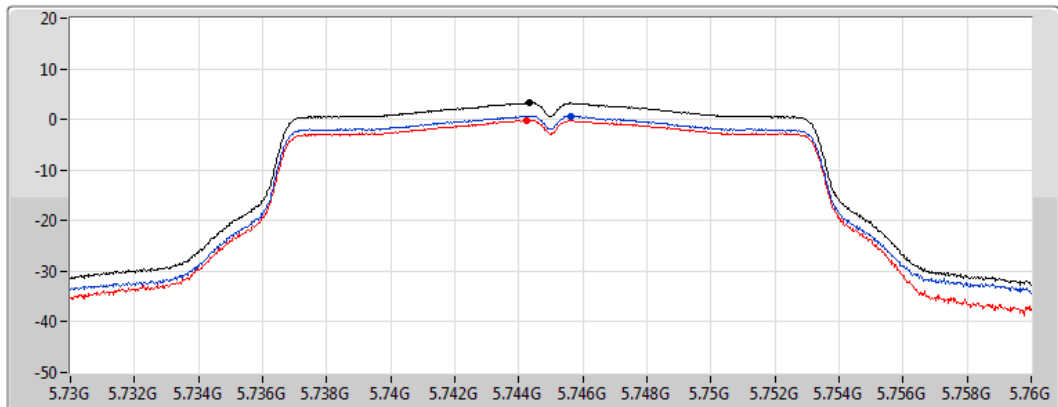
Span
30MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

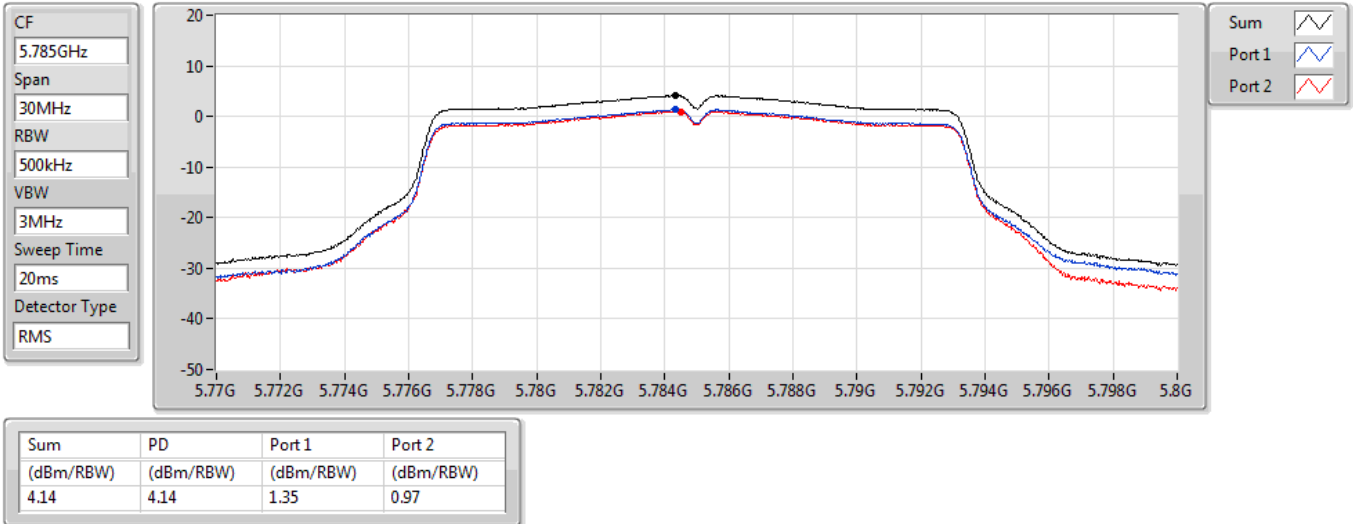
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.25	3.25	0.68	-0.15

802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

21/09/2020

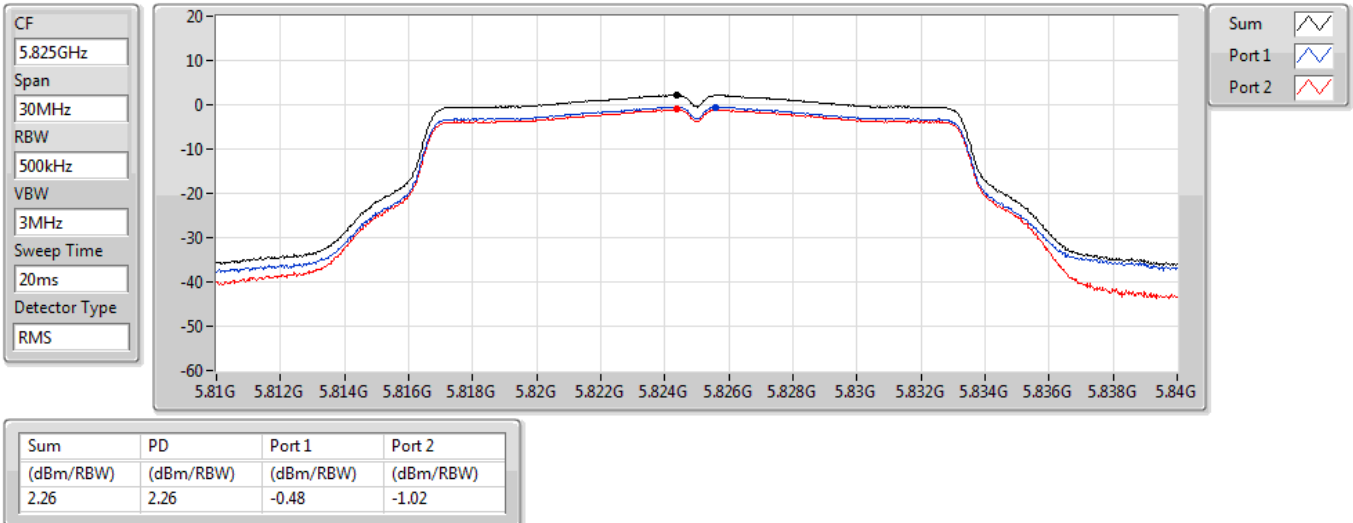


802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

21/09/2020

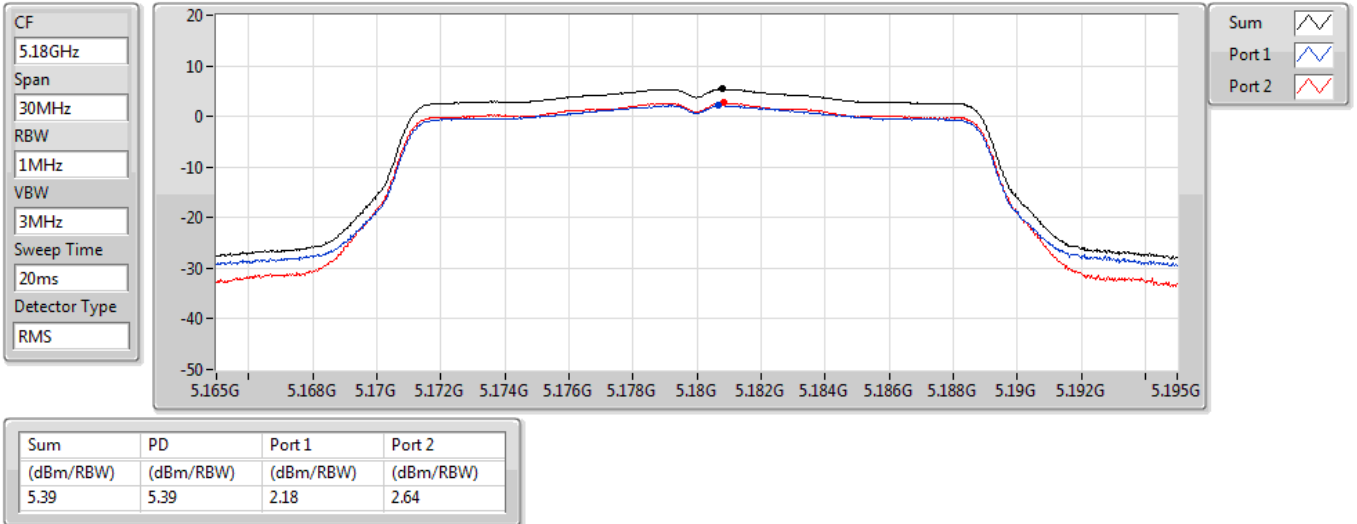


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5180MHz

21/09/2020

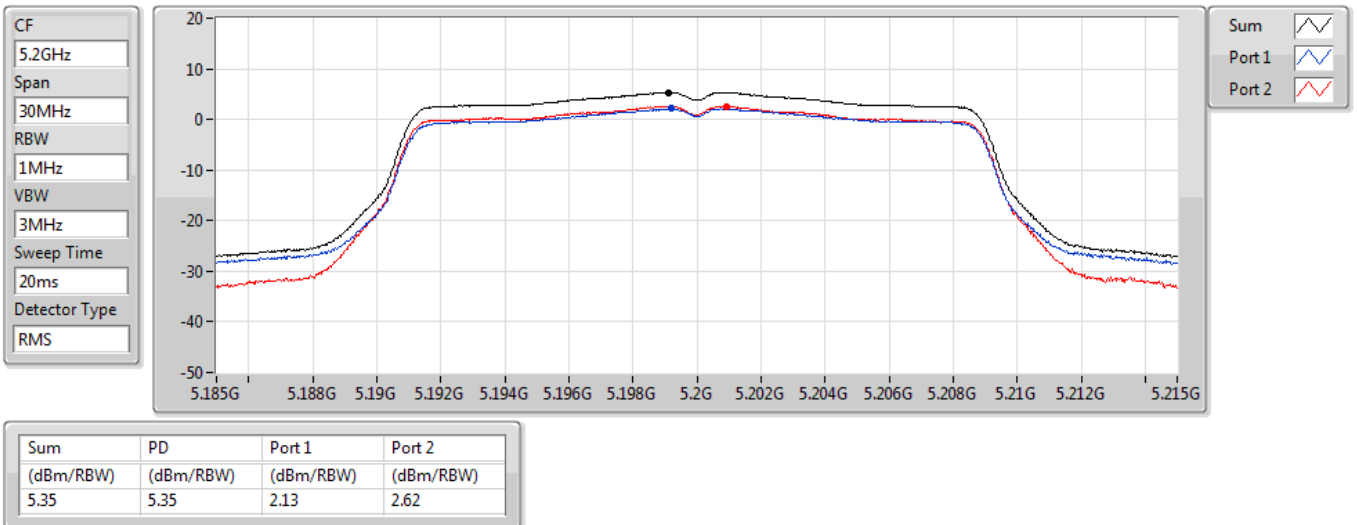


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5200MHz

21/09/2020

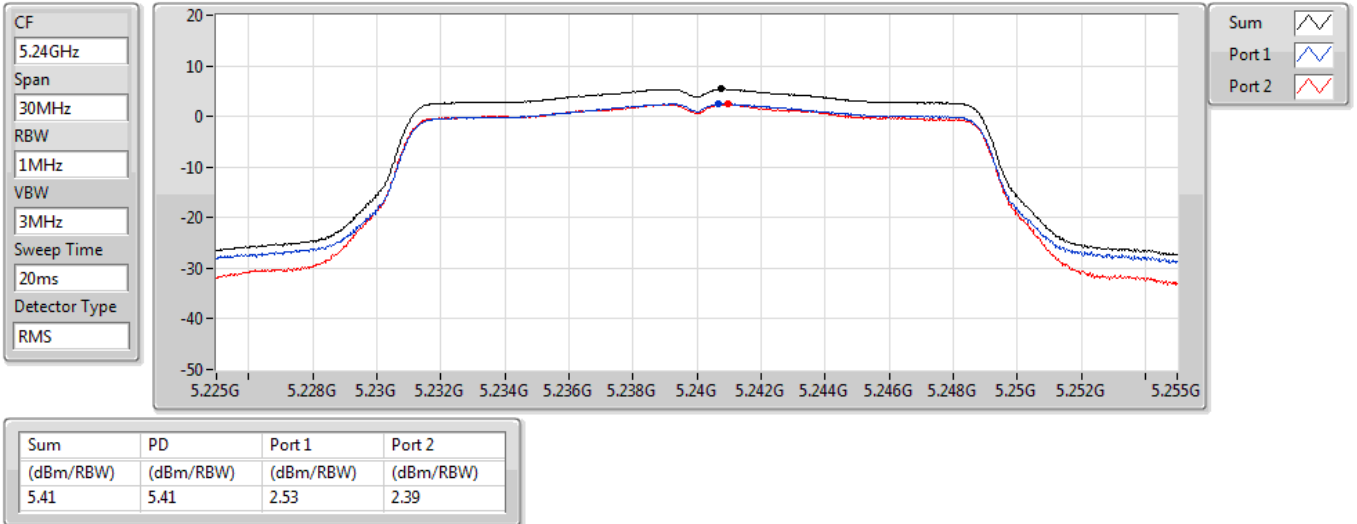


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5240MHz

21/09/2020

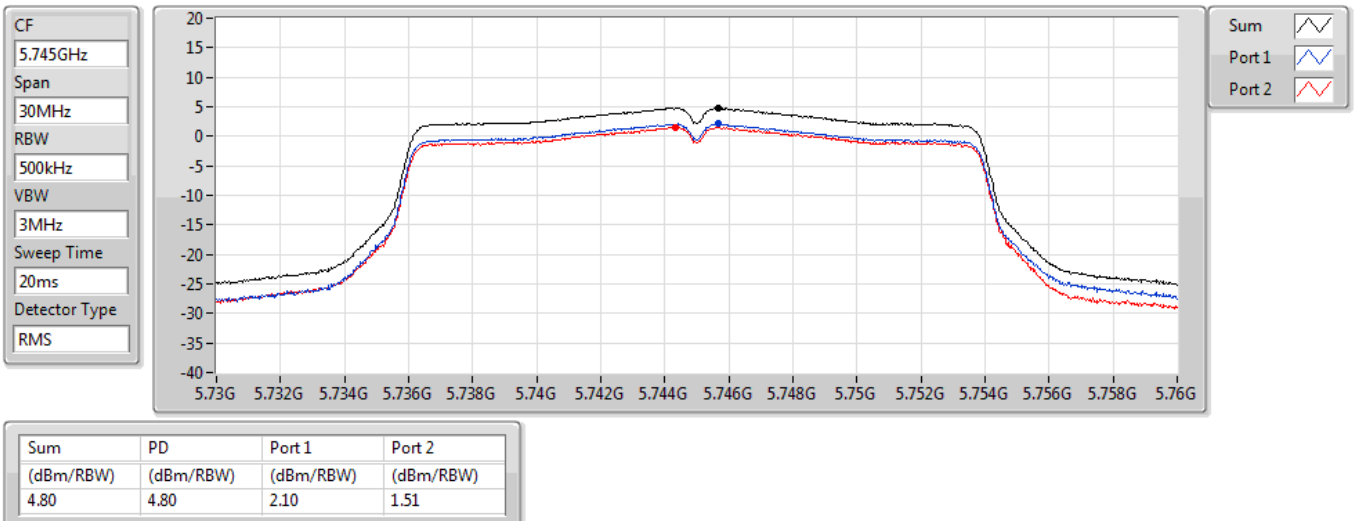


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5745MHz

21/09/2020

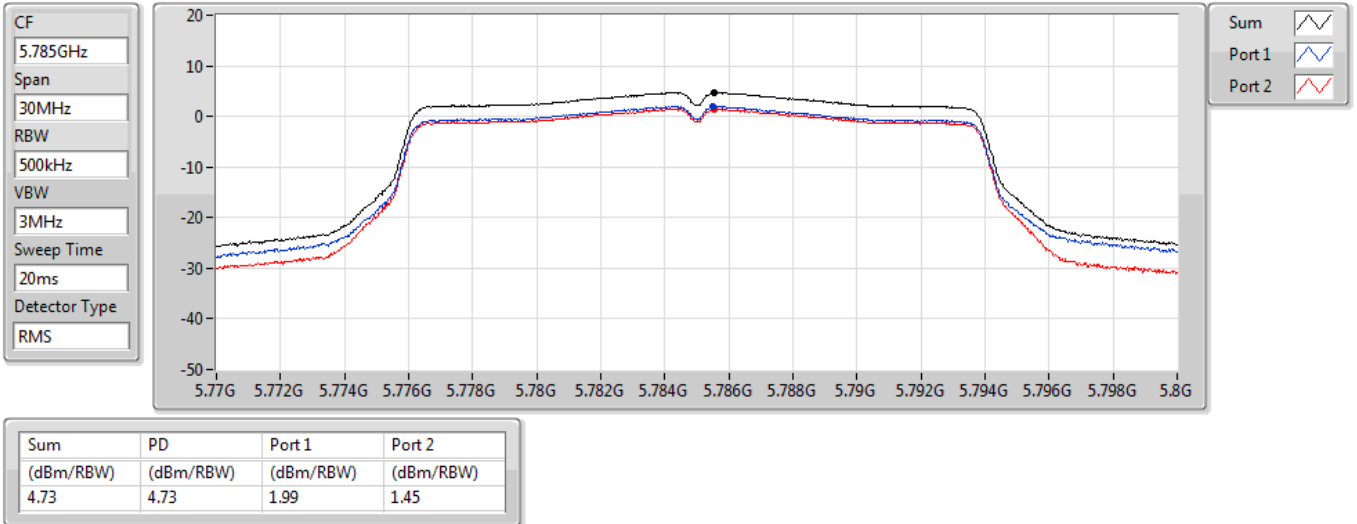


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5785MHz

21/09/2020

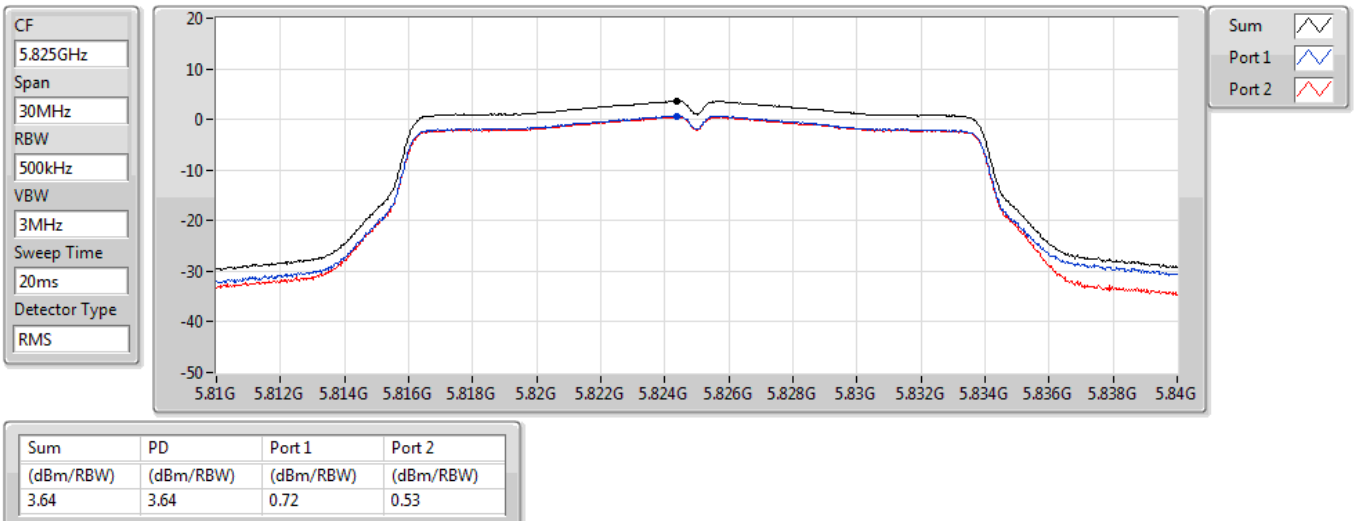


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5825MHz

21/09/2020

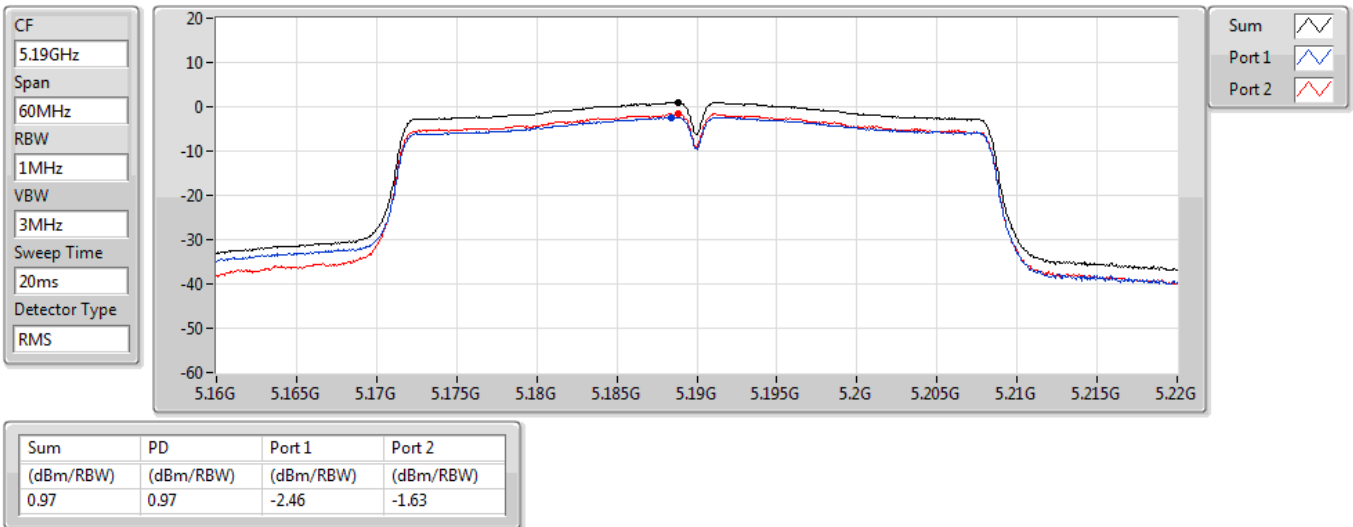


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5190MHz

21/09/2020

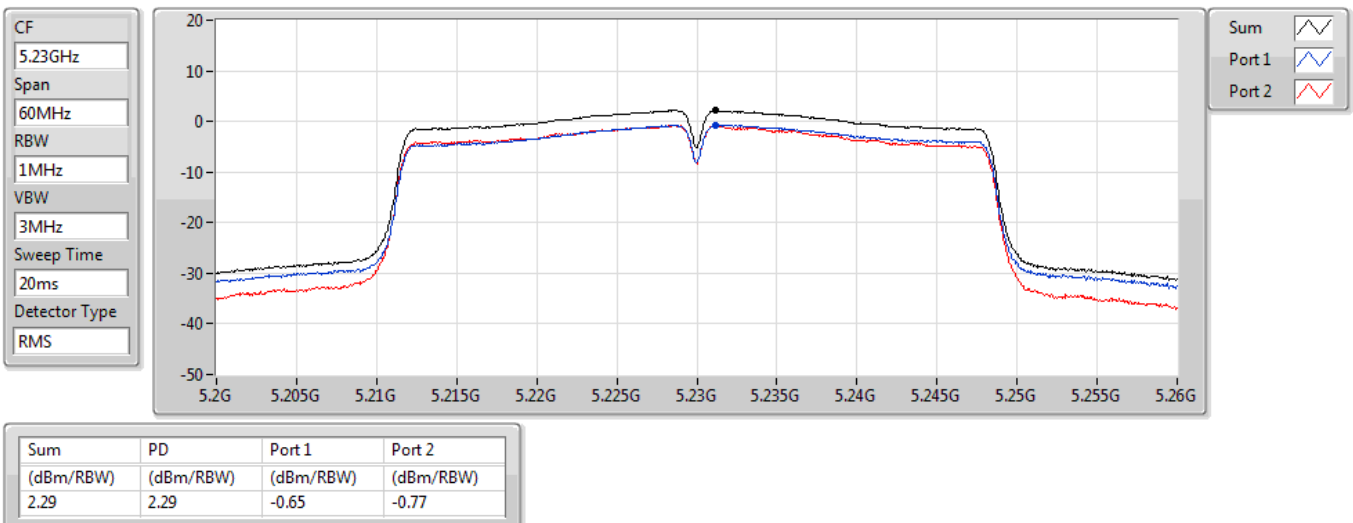


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5230MHz

21/09/2020

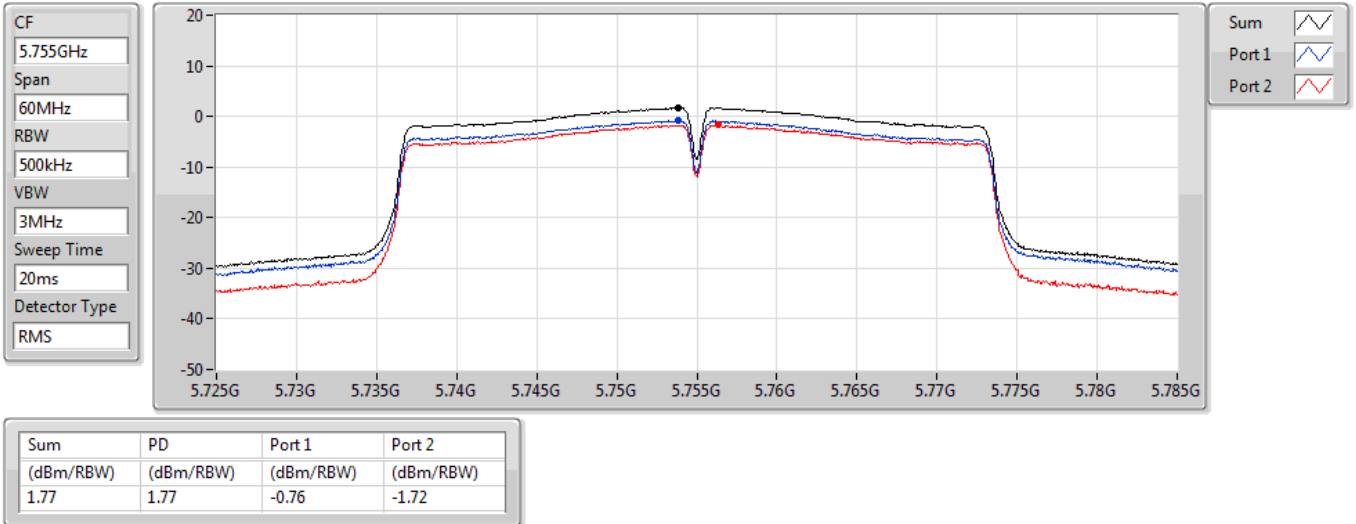


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5755MHz

21/09/2020

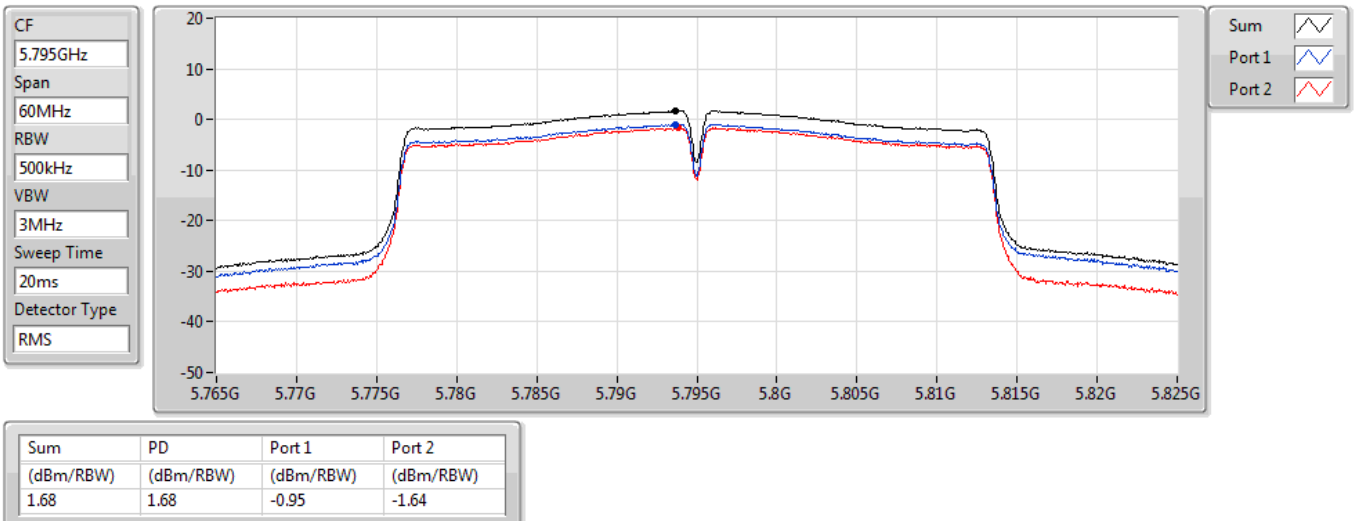


802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5795MHz

21/09/2020

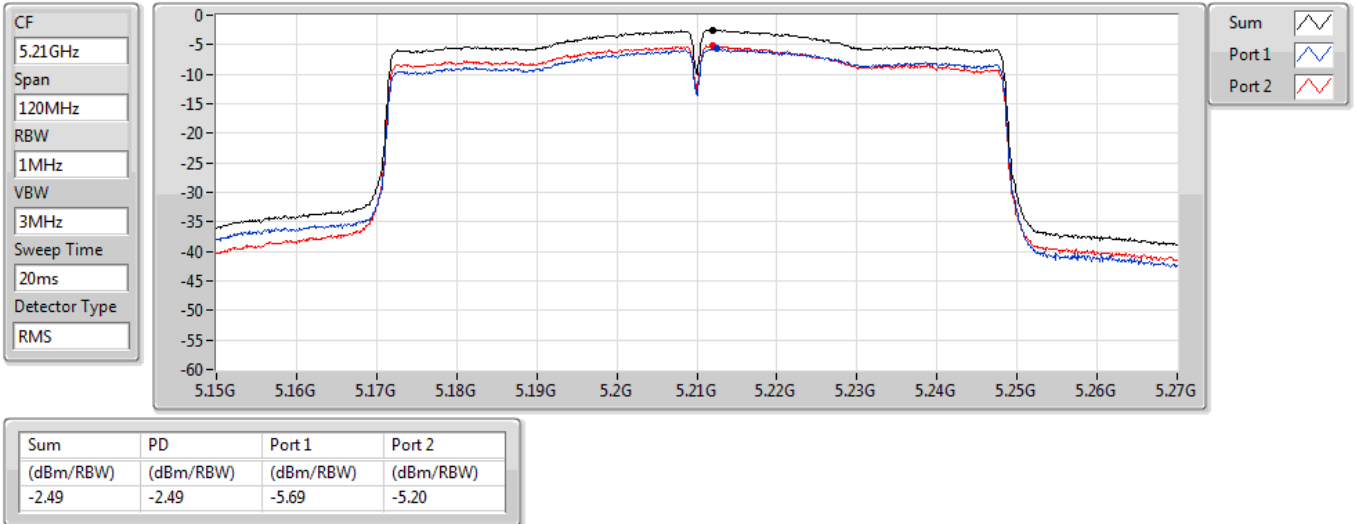


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

21/09/2020

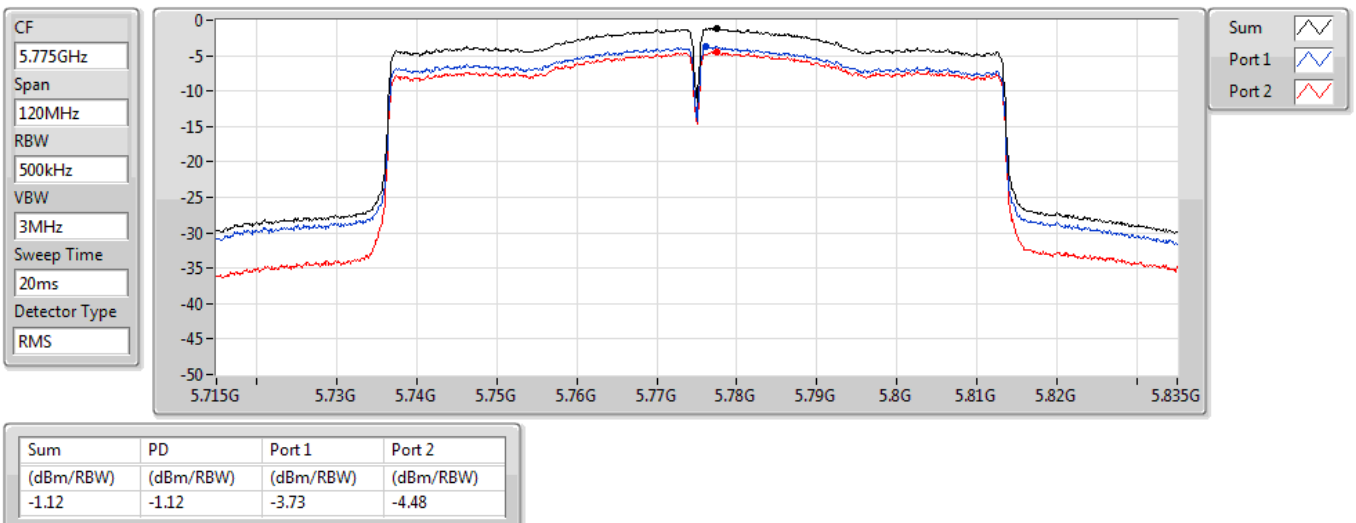


802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5775MHz

21/09/2020





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	406.36M	35.30	46.00	-10.70	3	Horizontal	0	1.00	-



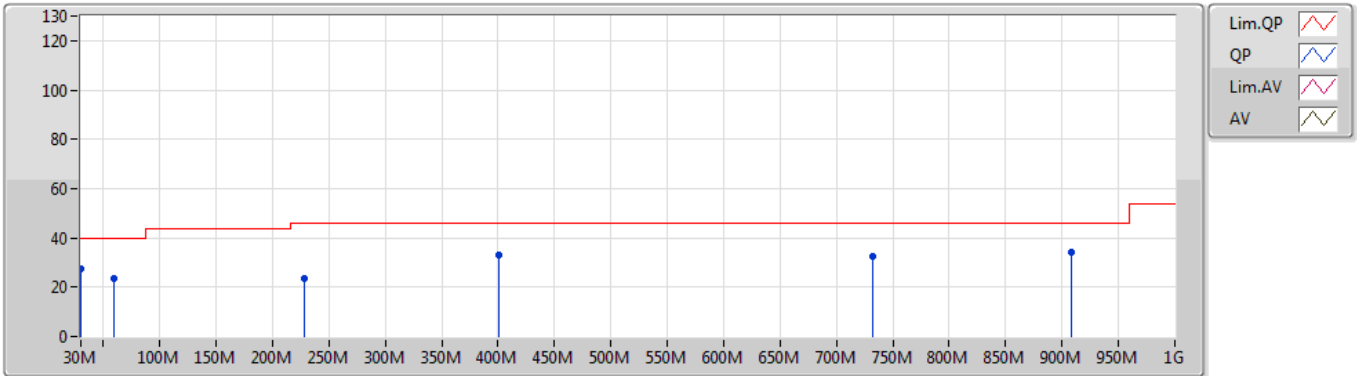
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	30M	27.46	40.00	-12.54	3	Vertical	360	1.00	-
5775MHz	Pass	PK	59.1M	23.63	40.00	-16.37	3	Vertical	360	1.00	-
5775MHz	Pass	PK	227.88M	23.31	46.00	-22.69	3	Vertical	360	1.00	-
5775MHz	Pass	PK	400.54M	32.84	46.00	-13.16	3	Vertical	360	1.00	-
5775MHz	Pass	PK	732.28M	32.44	46.00	-13.56	3	Vertical	360	1.00	-
5775MHz	Pass	PK	908.82M	34.08	46.00	-11.92	3	Vertical	360	1.00	-
5775MHz	Pass	PK	30M	27.41	40.00	-12.59	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	57.16M	23.74	40.00	-16.26	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	247.28M	28.56	46.00	-17.44	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	406.36M	35.30	46.00	-10.70	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	621.7M	31.26	46.00	-14.74	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	802.12M	34.11	46.00	-11.89	3	Horizontal	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

01/10/2020

5775MHz_Battery

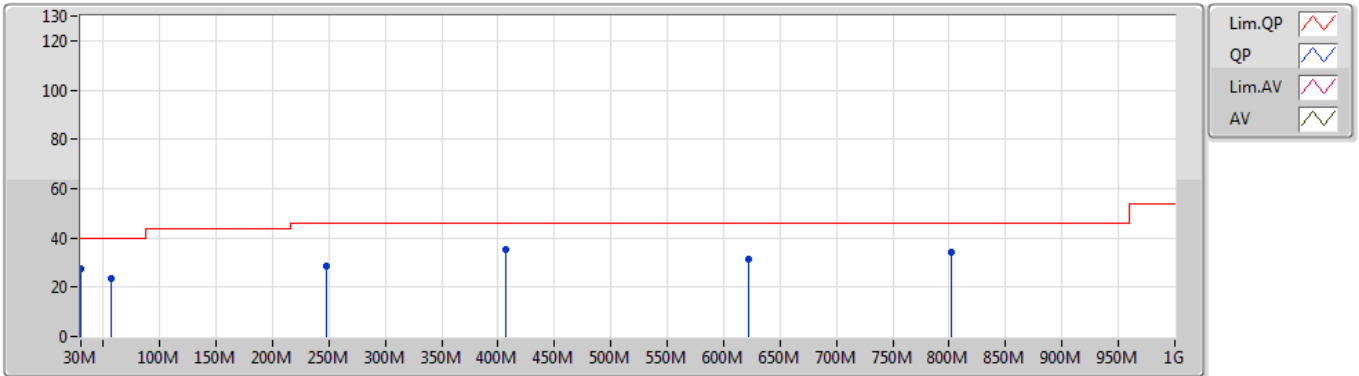


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	27.46	40.00	-12.54	-3.19	3	Vertical	360	1.00	-	30.65	23.32	0.70	27.21
PK	59.1M	23.63	40.00	-16.37	-15.04	3	Vertical	360	1.00	-	38.67	11.67	1.08	27.79
PK	227.88M	23.31	46.00	-22.69	-9.80	3	Vertical	360	1.00	-	33.11	15.09	2.27	27.16
PK	400.54M	32.84	46.00	-13.16	-3.65	3	Vertical	360	1.00	-	36.49	21.08	3.00	27.73
PK	732.28M	32.44	46.00	-13.56	0.92	3	Vertical	360	1.00	-	31.52	24.70	4.26	28.04
PK	908.82M	34.08	46.00	-11.92	3.17	3	Vertical	360	1.00	-	30.91	25.72	4.82	27.37

802.11ac VHT80_Nss1,(MCS0)_2TX

01/10/2020

5775MHz_Battery



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	27.41	40.00	-12.59	-3.19	3	Horizontal	0	1.00	-	30.60	23.32	0.70	27.21
PK	57.16M	23.74	40.00	-16.26	-14.91	3	Horizontal	0	1.00	-	38.65	11.84	1.04	27.79
PK	247.28M	28.56	46.00	-17.44	-7.44	3	Horizontal	0	1.00	-	36.00	17.24	2.38	27.06
PK	406.36M	35.30	46.00	-10.70	-3.34	3	Horizontal	0	1.00	-	38.64	21.40	3.03	27.77
PK	621.7M	31.26	46.00	-14.74	-0.13	3	Horizontal	0	1.00	-	31.39	24.28	3.89	28.30
PK	802.12M	34.11	46.00	-11.89	1.75	3	Horizontal	0	1.00	-	32.36	25.02	4.50	27.77

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.1498G	50.78	54.00	-3.22	3	Horizontal	189	2.04	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.15G	51.97	54.00	-2.03	3	Horizontal	188	1.97	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.15G	51.33	54.00	-2.67	3	Horizontal	188	1.91	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.148G	52.66	54.00	-1.34	3	Horizontal	190	1.88	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	6.0026G	59.01	68.20	-9.19	3	Horizontal	59	1.00	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	5.9518G	59.45	68.20	-8.75	3	Vertical	355	1.17	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	5.9602G	59.10	68.20	-9.10	3	Vertical	355	1.48	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.6382G	59.89	68.20	-8.31	3	Vertical	8	1.00	-

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	49.70	54.00	-4.30	3	Vertical	135	2.01	-
5180MHz	Pass	AV	5.1794G	92.28	Inf	-Inf	3	Vertical	135	2.01	-
5180MHz	Pass	PK	5.149G	66.28	74.00	-7.72	3	Vertical	135	2.01	-
5180MHz	Pass	PK	5.1794G	102.07	Inf	-Inf	3	Vertical	135	2.01	-
5180MHz	Pass	AV	5.1498G	50.78	54.00	-3.22	3	Horizontal	189	2.04	-
5180MHz	Pass	AV	5.1796G	92.34	Inf	-Inf	3	Horizontal	189	2.04	-
5180MHz	Pass	PK	5.1472G	67.69	74.00	-6.31	3	Horizontal	189	2.04	-
5180MHz	Pass	PK	5.1794G	102.29	Inf	-Inf	3	Horizontal	189	2.04	-
5180MHz	Pass	PK	10.35022G	56.96	68.20	-11.24	3	Vertical	20	1.01	-
5180MHz	Pass	PK	10.3519G	55.75	68.20	-12.45	3	Horizontal	42	1.49	-
5200MHz	Pass	AV	5.15G	45.18	54.00	-8.82	3	Vertical	200	1.25	-
5200MHz	Pass	AV	5.1996G	88.53	Inf	-Inf	3	Vertical	200	1.25	-
5200MHz	Pass	PK	5.1272G	57.77	74.00	-16.23	3	Vertical	200	1.25	-
5200MHz	Pass	PK	5.1988G	98.71	Inf	-Inf	3	Vertical	200	1.25	-
5200MHz	Pass	AV	5.1476G	45.18	54.00	-8.82	3	Horizontal	190	1.91	-
5200MHz	Pass	AV	5.2016G	90.44	Inf	-Inf	3	Horizontal	190	1.91	-
5200MHz	Pass	PK	5.1496G	57.85	74.00	-16.15	3	Horizontal	190	1.91	-
5200MHz	Pass	PK	5.202G	100.35	Inf	-Inf	3	Horizontal	190	1.91	-
5200MHz	Pass	PK	10.39088G	55.74	68.20	-12.46	3	Vertical	193	1.92	-
5200MHz	Pass	PK	10.3877G	56.55	68.20	-11.65	3	Horizontal	72	2.46	-
5240MHz	Pass	AV	5.15G	44.80	54.00	-9.20	3	Vertical	360	1.73	-
5240MHz	Pass	AV	5.2412G	85.82	Inf	-Inf	3	Vertical	360	1.73	-
5240MHz	Pass	AV	5.354G	44.14	54.00	-9.86	3	Vertical	360	1.73	-
5240MHz	Pass	PK	5.0954G	57.68	74.00	-16.32	3	Vertical	360	1.73	-
5240MHz	Pass	PK	5.2412G	95.39	Inf	-Inf	3	Vertical	360	1.73	-
5240MHz	Pass	PK	5.381G	57.86	74.00	-16.14	3	Vertical	360	1.73	-
5240MHz	Pass	AV	5.1482G	44.76	54.00	-9.24	3	Horizontal	192	1.50	-
5240MHz	Pass	AV	5.2394G	84.94	Inf	-Inf	3	Horizontal	192	1.50	-
5240MHz	Pass	AV	5.3804G	44.18	54.00	-9.82	3	Horizontal	192	1.50	-
5240MHz	Pass	PK	5.1362G	58.03	74.00	-15.97	3	Horizontal	192	1.50	-
5240MHz	Pass	PK	5.2424G	95.27	Inf	-Inf	3	Horizontal	192	1.50	-
5240MHz	Pass	PK	5.3618G	57.11	74.00	-16.89	3	Horizontal	192	1.50	-
5240MHz	Pass	PK	10.47868G	55.88	68.20	-12.32	3	Vertical	190	2.15	-
5240MHz	Pass	PK	10.4749G	55.41	68.20	-12.79	3	Horizontal	285	2.28	-
5745MHz	Pass	AV	5.745G	90.18	Inf	-Inf	3	Vertical	8	1.50	-
5745MHz	Pass	PK	5.5746G	57.50	68.20	-10.70	3	Vertical	8	1.50	-
5745MHz	Pass	PK	5.745G	99.35	Inf	-Inf	3	Vertical	8	1.50	-
5745MHz	Pass	PK	5.9874G	58.87	68.20	-9.33	3	Vertical	8	1.50	-
5745MHz	Pass	AV	5.7462G	89.52	Inf	-Inf	3	Horizontal	200	1.61	-
5745MHz	Pass	PK	5.583G	58.02	68.20	-10.18	3	Horizontal	200	1.61	-
5745MHz	Pass	PK	5.7462G	99.80	Inf	-Inf	3	Horizontal	200	1.61	-
5745MHz	Pass	PK	6.045G	58.46	68.20	-9.74	3	Horizontal	200	1.61	-
5745MHz	Pass	AV	11.49264G	42.82	54.00	-11.18	3	Vertical	211	1.98	-
5745MHz	Pass	PK	11.50338G	56.80	74.00	-17.20	3	Vertical	211	1.98	-
5745MHz	Pass	AV	11.49522G	42.88	54.00	-11.12	3	Horizontal	66	2.29	-
5745MHz	Pass	PK	11.48796G	56.12	74.00	-17.88	3	Horizontal	66	2.29	-
5785MHz	Pass	AV	5.7862G	91.19	Inf	-Inf	3	Vertical	7	1.20	-
5785MHz	Pass	PK	5.605G	57.31	68.20	-10.89	3	Vertical	7	1.20	-
5785MHz	Pass	PK	5.7862G	100.86	Inf	-Inf	3	Vertical	7	1.20	-
5785MHz	Pass	PK	6.0826G	58.09	68.20	-10.11	3	Vertical	7	1.20	-
5785MHz	Pass	AV	5.785G	87.70	Inf	-Inf	3	Horizontal	199	1.49	-
5785MHz	Pass	PK	5.5402G	58.07	68.20	-10.13	3	Horizontal	199	1.49	-
5785MHz	Pass	PK	5.7862G	97.82	Inf	-Inf	3	Horizontal	199	1.49	-
5785MHz	Pass	PK	5.971G	58.54	68.20	-9.66	3	Horizontal	199	1.49	-
5785MHz	Pass	AV	11.5589G	42.50	54.00	-11.50	3	Vertical	60	1.72	-
5785MHz	Pass	PK	11.58206G	56.13	74.00	-17.87	3	Vertical	60	1.72	-
5785MHz	Pass	AV	11.55626G	42.58	54.00	-11.42	3	Horizontal	134	2.17	-
5785MHz	Pass	PK	11.57924G	56.35	74.00	-17.65	3	Horizontal	134	2.17	-
5825MHz	Pass	AV	5.825G	87.85	Inf	-Inf	3	Vertical	353	1.50	-
5825MHz	Pass	PK	5.6462G	57.45	68.20	-10.75	3	Vertical	353	1.50	-



RSE TX above 1GHz

Appendix D.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	PK	5.8262G	98.02	Inf	-Inf	3	Vertical	353	1.50	-
5825MHz	Pass	PK	6.0026G	58.68	68.20	-9.52	3	Vertical	353	1.50	-
5825MHz	Pass	AV	5.8214G	87.15	Inf	-Inf	3	Horizontal	59	1.00	-
5825MHz	Pass	PK	5.6498G	58.02	68.20	-10.18	3	Horizontal	59	1.00	-
5825MHz	Pass	PK	5.8226G	96.84	Inf	-Inf	3	Horizontal	59	1.00	-
5825MHz	Pass	PK	6.0026G	59.01	68.20	-9.19	3	Horizontal	59	1.00	-
5825MHz	Pass	AV	11.65G	42.54	54.00	-11.46	3	Vertical	22	1.64	-
5825MHz	Pass	PK	11.63668G	55.94	74.00	-18.06	3	Vertical	22	1.64	-
5825MHz	Pass	AV	11.64988G	42.27	54.00	-11.73	3	Horizontal	241	1.55	-
5825MHz	Pass	PK	11.63836G	55.68	74.00	-18.32	3	Horizontal	241	1.55	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	49.80	54.00	-4.20	3	Vertical	199	1.81	-
5180MHz	Pass	AV	5.1796G	89.13	Inf	-Inf	3	Vertical	199	1.81	-
5180MHz	Pass	PK	5.1488G	64.11	74.00	-9.89	3	Vertical	199	1.81	-
5180MHz	Pass	PK	5.1774G	99.60	Inf	-Inf	3	Vertical	199	1.81	-
5180MHz	Pass	AV	5.15G	51.97	54.00	-2.03	3	Horizontal	188	1.97	-
5180MHz	Pass	AV	5.1814G	91.26	Inf	-Inf	3	Horizontal	188	1.97	-
5180MHz	Pass	PK	5.1494G	68.18	74.00	-5.82	3	Horizontal	188	1.97	-
5180MHz	Pass	PK	5.1788G	102.29	Inf	-Inf	3	Horizontal	188	1.97	-
5180MHz	Pass	PK	10.3741G	55.23	68.20	-12.97	3	Vertical	63	1.16	-
5180MHz	Pass	PK	10.35736G	55.20	68.20	-13.00	3	Horizontal	321	1.76	-
5200MHz	Pass	AV	5.15G	45.63	54.00	-8.37	3	Vertical	334	2.00	-
5200MHz	Pass	AV	5.1996G	90.76	Inf	-Inf	3	Vertical	334	2.00	-
5200MHz	Pass	PK	5.1436G	57.86	74.00	-16.14	3	Vertical	334	2.00	-
5200MHz	Pass	PK	5.1984G	100.81	Inf	-Inf	3	Vertical	334	2.00	-
5200MHz	Pass	AV	5.15G	46.42	54.00	-7.58	3	Horizontal	190	1.90	-
5200MHz	Pass	AV	5.2004G	91.69	Inf	-Inf	3	Horizontal	190	1.90	-
5200MHz	Pass	PK	5.1492G	60.12	74.00	-13.88	3	Horizontal	190	1.90	-
5200MHz	Pass	PK	5.1976G	101.96	Inf	-Inf	3	Horizontal	190	1.90	-
5200MHz	Pass	PK	10.41242G	55.25	68.20	-12.95	3	Vertical	292	1.04	-
5200MHz	Pass	PK	10.4135G	55.82	68.20	-12.38	3	Horizontal	125	1.02	-
5240MHz	Pass	AV	5.1488G	44.78	54.00	-9.22	3	Vertical	199	1.49	-
5240MHz	Pass	AV	5.2394G	89.37	Inf	-Inf	3	Vertical	199	1.49	-
5240MHz	Pass	AV	5.3762G	44.19	54.00	-9.81	3	Vertical	199	1.49	-
5240MHz	Pass	PK	5.138G	57.32	74.00	-16.68	3	Vertical	199	1.49	-
5240MHz	Pass	PK	5.2412G	100.13	Inf	-Inf	3	Vertical	199	1.49	-
5240MHz	Pass	PK	5.3714G	57.84	74.00	-16.16	3	Vertical	199	1.49	-
5240MHz	Pass	AV	5.1482G	44.78	54.00	-9.22	3	Horizontal	188	1.75	-
5240MHz	Pass	AV	5.2406G	90.14	Inf	-Inf	3	Horizontal	188	1.75	-
5240MHz	Pass	AV	5.3618G	44.11	54.00	-9.89	3	Horizontal	188	1.75	-
5240MHz	Pass	PK	5.0924G	57.87	74.00	-16.13	3	Horizontal	188	1.75	-
5240MHz	Pass	PK	5.2412G	100.81	Inf	-Inf	3	Horizontal	188	1.75	-
5240MHz	Pass	PK	5.369G	56.87	74.00	-17.13	3	Horizontal	188	1.75	-
5240MHz	Pass	PK	10.47838G	56.10	68.20	-12.10	3	Vertical	137	1.10	-
5240MHz	Pass	PK	10.48138G	55.88	68.20	-12.32	3	Horizontal	298	1.99	-
5745MHz	Pass	AV	5.745G	90.49	Inf	-Inf	3	Vertical	8	1.59	-
5745MHz	Pass	PK	5.5806G	57.84	68.20	-10.36	3	Vertical	8	1.59	-
5745MHz	Pass	PK	5.7414G	100.91	Inf	-Inf	3	Vertical	8	1.59	-
5745MHz	Pass	PK	6.0054G	58.32	68.20	-9.88	3	Vertical	8	1.59	-
5745MHz	Pass	AV	5.7462G	90.40	Inf	-Inf	3	Horizontal	201	1.96	-
5745MHz	Pass	PK	5.493G	58.39	68.20	-9.81	3	Horizontal	201	1.96	-
5745MHz	Pass	PK	5.7462G	100.47	Inf	-Inf	3	Horizontal	201	1.96	-
5745MHz	Pass	PK	5.961G	58.70	68.20	-9.50	3	Horizontal	201	1.96	-
5745MHz	Pass	AV	11.49008G	44.48	54.00	-9.52	3	Vertical	190	1.06	-
5745MHz	Pass	PK	11.49022G	56.70	74.00	-17.30	3	Vertical	190	1.06	-
5745MHz	Pass	AV	11.49004G	44.04	54.00	-9.96	3	Horizontal	135	2.23	-
5745MHz	Pass	PK	11.4943G	56.55	74.00	-17.45	3	Horizontal	135	2.23	-
5785MHz	Pass	AV	5.785G	89.92	Inf	-Inf	3	Vertical	355	1.17	-
5785MHz	Pass	PK	5.5342G	58.25	68.20	-9.95	3	Vertical	355	1.17	-
5785MHz	Pass	PK	5.7874G	99.73	Inf	-Inf	3	Vertical	355	1.17	-
5785MHz	Pass	PK	5.9518G	59.45	68.20	-8.75	3	Vertical	355	1.17	-
5785MHz	Pass	AV	5.7862G	88.58	Inf	-Inf	3	Horizontal	13	1.49	-



RSE TX above 1GHz

Appendix D.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5785MHz	Pass	PK	5.5822G	57.59	68.20	-10.61	3	Horizontal	13	1.49	-
5785MHz	Pass	PK	5.7838G	99.10	Inf	-Inf	3	Horizontal	13	1.49	-
5785MHz	Pass	PK	6.037G	59.01	68.20	-9.19	3	Horizontal	13	1.49	-
5785MHz	Pass	AV	11.56982G	42.62	54.00	-11.38	3	Vertical	334	1.17	-
5785MHz	Pass	PK	11.57996G	55.74	74.00	-18.26	3	Vertical	334	1.17	-
5785MHz	Pass	AV	11.55692G	42.60	54.00	-11.40	3	Horizontal	172	2.06	-
5785MHz	Pass	PK	11.56724G	56.12	74.00	-17.88	3	Horizontal	172	2.06	-
5825MHz	Pass	AV	5.825G	88.68	Inf	-Inf	3	Vertical	353	1.50	-
5825MHz	Pass	PK	5.5742G	57.39	68.20	-10.81	3	Vertical	353	1.50	-
5825MHz	Pass	PK	5.8262G	98.60	Inf	-Inf	3	Vertical	353	1.50	-
5825MHz	Pass	PK	6.0146G	58.81	68.20	-9.39	3	Vertical	353	1.50	-
5825MHz	Pass	AV	5.825G	88.24	Inf	-Inf	3	Horizontal	200	1.49	-
5825MHz	Pass	PK	5.6102G	57.48	68.20	-10.72	3	Horizontal	200	1.49	-
5825MHz	Pass	PK	5.8226G	98.33	Inf	-Inf	3	Horizontal	200	1.49	-
5825MHz	Pass	PK	6.113G	58.61	68.20	-9.59	3	Horizontal	200	1.49	-
5825MHz	Pass	AV	11.6434G	42.18	54.00	-11.82	3	Vertical	355	1.20	-
5825MHz	Pass	PK	11.64718G	56.09	74.00	-17.91	3	Vertical	355	1.20	-
5825MHz	Pass	AV	11.64304G	42.18	54.00	-11.82	3	Horizontal	66	2.44	-
5825MHz	Pass	PK	11.65456G	55.96	74.00	-18.04	3	Horizontal	66	2.44	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.15G	49.52	54.00	-4.48	3	Vertical	358	1.04	-
5190MHz	Pass	AV	5.1884G	86.18	Inf	-Inf	3	Vertical	358	1.04	-
5190MHz	Pass	PK	5.1448G	64.10	74.00	-9.90	3	Vertical	358	1.04	-
5190MHz	Pass	PK	5.1924G	97.51	Inf	-Inf	3	Vertical	358	1.04	-
5190MHz	Pass	AV	5.15G	51.33	54.00	-2.67	3	Horizontal	188	1.91	-
5190MHz	Pass	AV	5.1888G	86.74	Inf	-Inf	3	Horizontal	188	1.91	-
5190MHz	Pass	PK	5.148G	67.28	74.00	-6.72	3	Horizontal	188	1.91	-
5190MHz	Pass	PK	5.1916G	99.17	Inf	-Inf	3	Horizontal	188	1.91	-
5190MHz	Pass	PK	10.36998G	55.30	68.20	-12.90	3	Vertical	254	1.95	-
5190MHz	Pass	PK	10.38936G	55.83	68.20	-12.37	3	Horizontal	265	1.81	-
5230MHz	Pass	AV	5.146G	45.25	54.00	-8.75	3	Vertical	355	1.92	-
5230MHz	Pass	AV	5.2284G	87.15	Inf	-Inf	3	Vertical	355	1.92	-
5230MHz	Pass	PK	5.1444G	57.14	74.00	-16.86	3	Vertical	355	1.92	-
5230MHz	Pass	PK	5.2312G	98.96	Inf	-Inf	3	Vertical	355	1.92	-
5230MHz	Pass	AV	5.1492G	45.34	54.00	-8.66	3	Horizontal	186	1.91	-
5230MHz	Pass	AV	5.2292G	85.84	Inf	-Inf	3	Horizontal	186	1.91	-
5230MHz	Pass	PK	5.1328G	58.06	74.00	-15.94	3	Horizontal	186	1.91	-
5230MHz	Pass	PK	5.2328G	97.50	Inf	-Inf	3	Horizontal	186	1.91	-
5230MHz	Pass	PK	10.46003G	56.01	68.20	-12.19	3	Vertical	14	1.00	-
5230MHz	Pass	PK	10.46159G	55.63	68.20	-12.57	3	Horizontal	357	1.45	-
5755MHz	Pass	AV	5.7538G	87.01	Inf	-Inf	3	Vertical	355	1.48	-
5755MHz	Pass	PK	5.6014G	57.76	68.20	-10.44	3	Vertical	355	1.48	-
5755MHz	Pass	PK	5.7514G	97.56	Inf	-Inf	3	Vertical	355	1.48	-
5755MHz	Pass	PK	5.9602G	59.10	68.20	-9.10	3	Vertical	355	1.48	-
5755MHz	Pass	AV	5.7502G	86.64	Inf	-Inf	3	Horizontal	200	1.71	-
5755MHz	Pass	PK	5.5078G	57.60	68.20	-10.60	3	Horizontal	200	1.71	-
5755MHz	Pass	PK	5.7502G	98.22	Inf	-Inf	3	Horizontal	200	1.71	-
5755MHz	Pass	PK	6.0226G	58.35	68.20	-9.85	3	Horizontal	200	1.71	-
5755MHz	Pass	AV	11.51G	44.62	54.00	-9.38	3	Vertical	192	1.00	-
5755MHz	Pass	PK	11.51011G	56.72	74.00	-17.28	3	Vertical	192	1.00	-
5755MHz	Pass	AV	11.51076G	42.55	54.00	-11.45	3	Horizontal	252	1.49	-
5755MHz	Pass	PK	11.51201G	56.35	74.00	-17.65	3	Horizontal	252	1.49	-
5795MHz	Pass	AV	5.7938G	87.06	Inf	-Inf	3	Vertical	7	1.48	-
5795MHz	Pass	PK	5.507G	57.27	68.20	-10.93	3	Vertical	7	1.48	-
5795MHz	Pass	PK	5.789G	97.23	Inf	-Inf	3	Vertical	7	1.48	-
5795MHz	Pass	PK	6.0398G	58.23	68.20	-9.97	3	Vertical	7	1.48	-
5795MHz	Pass	AV	5.7938G	85.84	Inf	-Inf	3	Horizontal	174	1.00	-
5795MHz	Pass	PK	5.6006G	57.80	68.20	-10.40	3	Horizontal	174	1.00	-
5795MHz	Pass	PK	5.7914G	96.07	Inf	-Inf	3	Horizontal	174	1.00	-
5795MHz	Pass	PK	5.9714G	58.95	68.20	-9.25	3	Horizontal	174	1.00	-
5795MHz	Pass	AV	11.58994G	43.63	54.00	-10.37	3	Vertical	192	1.09	-
5795MHz	Pass	PK	11.57596G	56.26	74.00	-17.74	3	Vertical	192	1.09	-

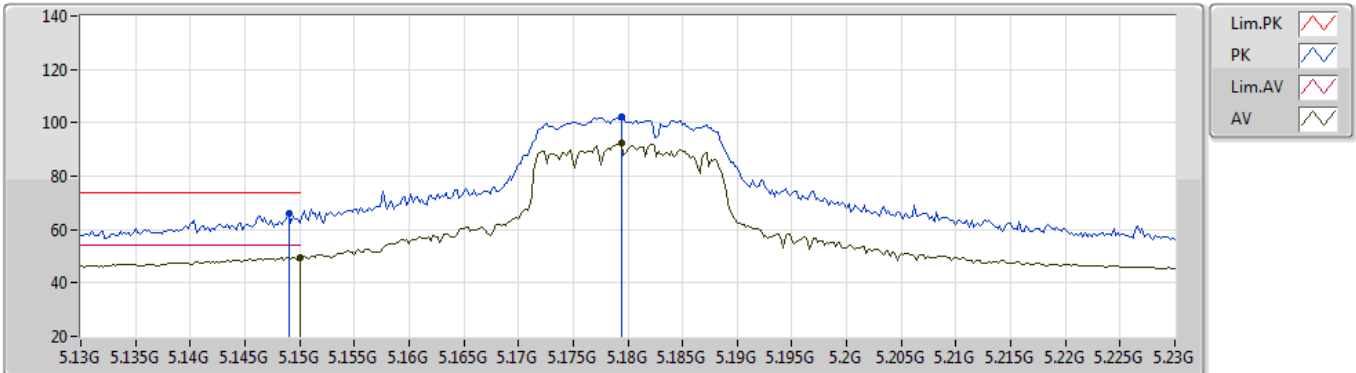


Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5795MHz	Pass	AV	11.59G	42.31	54.00	-11.69	3	Horizontal	177	1.50	-
5795MHz	Pass	PK	11.58178G	55.88	74.00	-18.12	3	Horizontal	177	1.50	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.15G	51.44	54.00	-2.56	3	Vertical	14	1.01	-
5210MHz	Pass	AV	5.204G	83.59	Inf	-Inf	3	Vertical	14	1.01	-
5210MHz	Pass	AV	5.378G	45.95	54.00	-8.05	3	Vertical	14	1.01	-
5210MHz	Pass	PK	5.15G	62.08	74.00	-11.92	3	Vertical	14	1.01	-
5210MHz	Pass	PK	5.207G	92.34	Inf	-Inf	3	Vertical	14	1.01	-
5210MHz	Pass	PK	5.36G	57.38	74.00	-16.62	3	Vertical	14	1.01	-
5210MHz	Pass	AV	5.148G	52.66	54.00	-1.34	3	Horizontal	190	1.88	-
5210MHz	Pass	AV	5.212G	84.73	Inf	-Inf	3	Horizontal	190	1.88	-
5210MHz	Pass	AV	5.364G	45.41	54.00	-8.59	3	Horizontal	190	1.88	-
5210MHz	Pass	PK	5.149G	63.78	74.00	-10.22	3	Horizontal	190	1.88	-
5210MHz	Pass	PK	5.212G	94.36	Inf	-Inf	3	Horizontal	190	1.88	-
5210MHz	Pass	PK	5.433G	56.91	74.00	-17.09	3	Horizontal	190	1.88	-
5210MHz	Pass	PK	10.41658G	56.12	68.20	-12.08	3	Vertical	57	2.03	-
5210MHz	Pass	PK	10.42198G	56.21	68.20	-11.99	3	Horizontal	178	1.18	-
5775MHz	Pass	AV	5.7774G	86.71	Inf	-Inf	3	Vertical	8	1.00	-
5775MHz	Pass	PK	5.6382G	59.89	68.20	-8.31	3	Vertical	8	1.00	-
5775MHz	Pass	PK	5.7774G	96.21	Inf	-Inf	3	Vertical	8	1.00	-
5775MHz	Pass	PK	5.9514G	58.23	68.20	-9.97	3	Vertical	8	1.00	-
5775MHz	Pass	AV	5.7798G	85.65	Inf	-Inf	3	Horizontal	202	1.65	-
5775MHz	Pass	PK	5.649G	58.51	68.20	-9.69	3	Horizontal	202	1.65	-
5775MHz	Pass	PK	5.7738G	94.55	Inf	-Inf	3	Horizontal	202	1.65	-
5775MHz	Pass	PK	6.0522G	58.00	68.20	-10.20	3	Horizontal	202	1.65	-
5775MHz	Pass	AV	11.53512G	44.44	54.00	-9.56	3	Vertical	270	2.18	-
5775MHz	Pass	PK	11.54694G	56.82	74.00	-17.18	3	Vertical	270	2.18	-
5775MHz	Pass	AV	11.54112G	44.40	54.00	-9.60	3	Horizontal	287	2.29	-
5775MHz	Pass	PK	11.53956G	57.08	74.00	-16.92	3	Horizontal	287	2.29	-

802.11a_Nss1,(6Mbps)_2TX

16/09/2020

5180MHz_TX

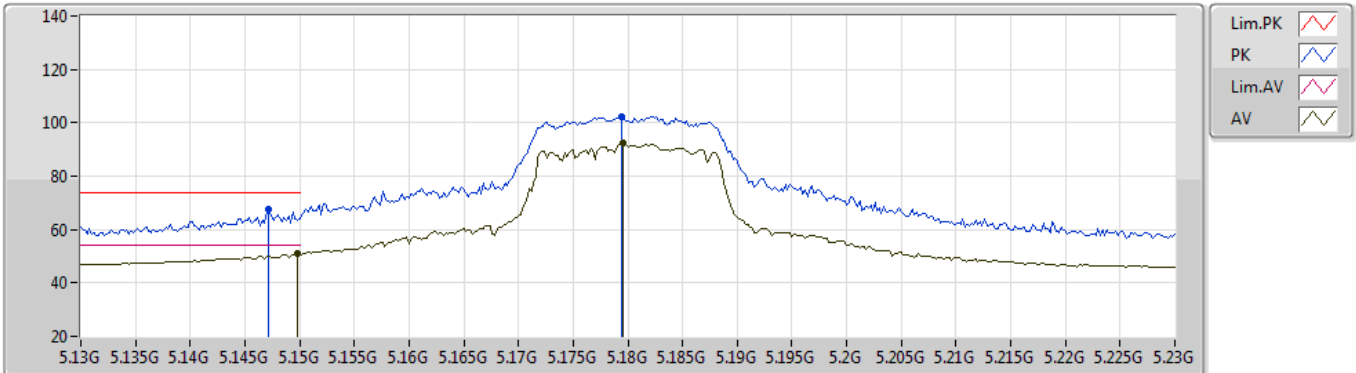


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	49.70	54.00	-4.30	6.38	3	Vertical	135	2.01	-	43.32	31.70	8.52	33.84
AV	5.1794G	92.28	Inf	-Inf	6.29	3	Vertical	135	2.01	-	85.99	31.58	8.55	33.84
PK	5.149G	66.28	74.00	-7.72	6.38	3	Vertical	135	2.01	-	59.90	31.70	8.52	33.84
PK	5.1794G	102.07	Inf	-Inf	6.29	3	Vertical	135	2.01	-	95.78	31.58	8.55	33.84

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5180MHz_TX

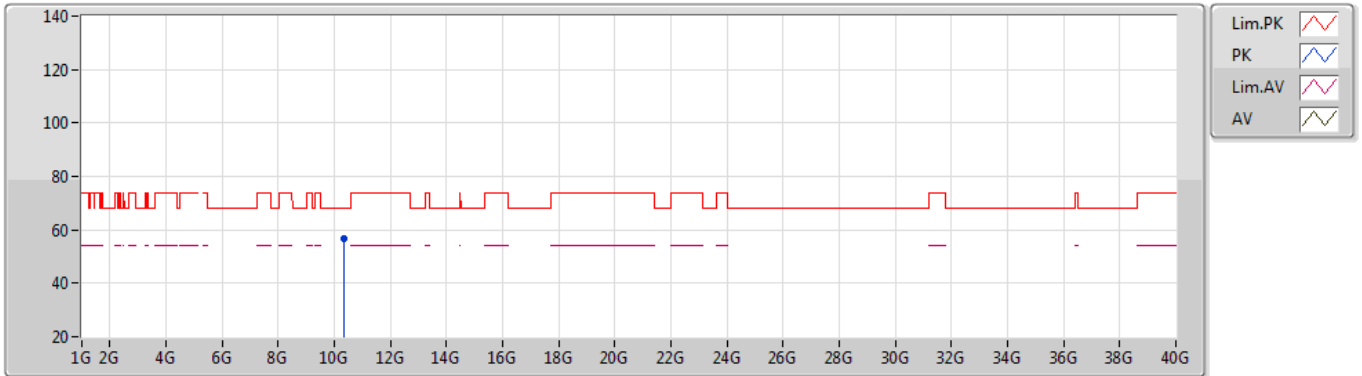


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1498G	50.78	54.00	-3.22	6.38	3	Horizontal	189	2.04	-	44.40	31.70	8.52	33.84
AV	5.1796G	92.34	Inf	-Inf	6.29	3	Horizontal	189	2.04	-	86.05	31.58	8.55	33.84
PK	5.1472G	67.69	74.00	-6.31	6.38	3	Horizontal	189	2.04	-	61.31	31.70	8.52	33.84
PK	5.1794G	102.29	Inf	-Inf	6.29	3	Horizontal	189	2.04	-	96.00	31.58	8.55	33.84

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5180MHz_TX

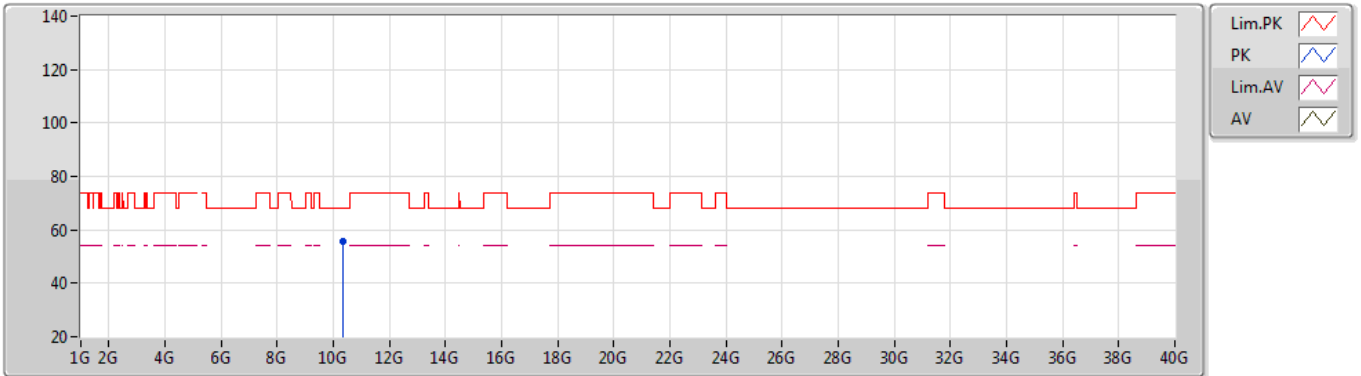


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.35022G	56.96	68.20	-11.24	17.29	3	Vertical	20	1.01	-	39.67	39.35	12.18	34.24

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5180MHz_TX

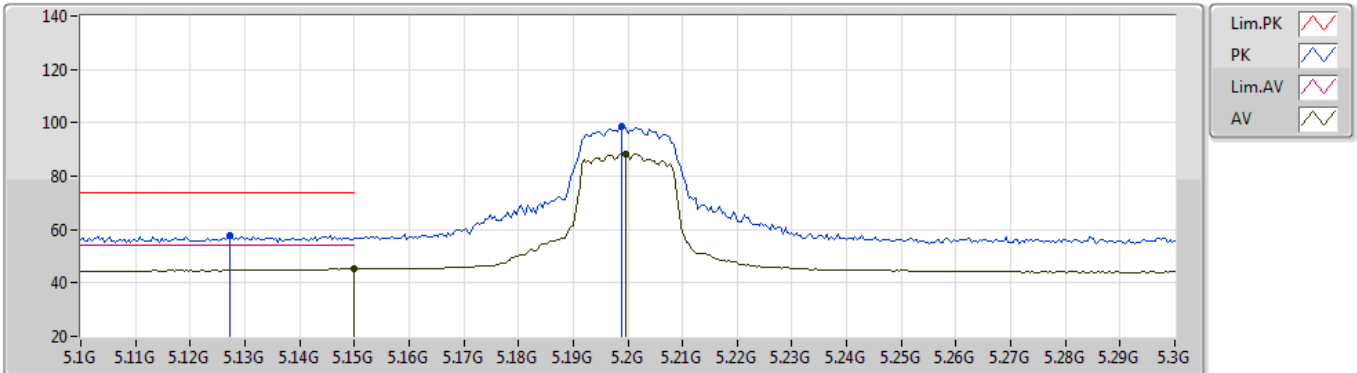


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.3519G	55.75	68.20	-12.45	17.30	3	Horizontal	42	1.49	-	38.45	39.36	12.18	34.24

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

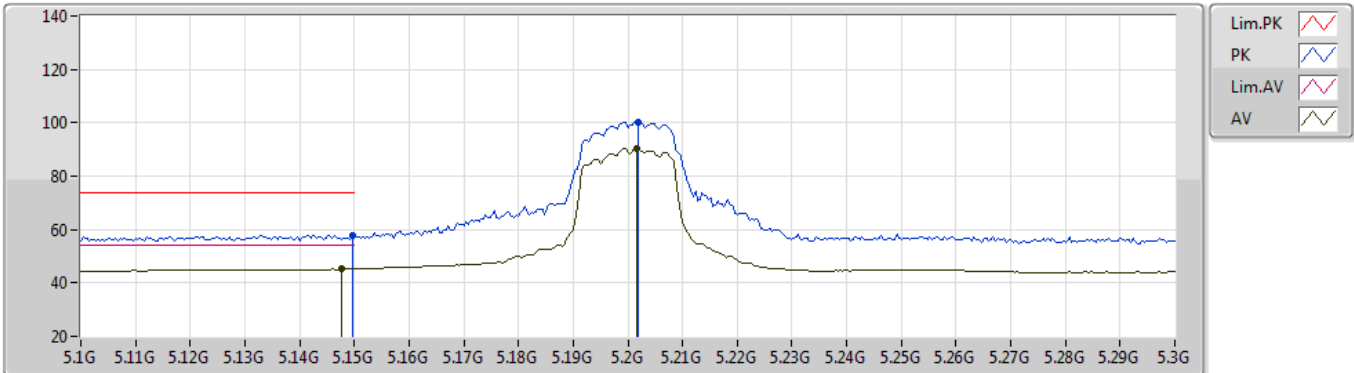
5200MHz_TX



802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5200MHz_TX

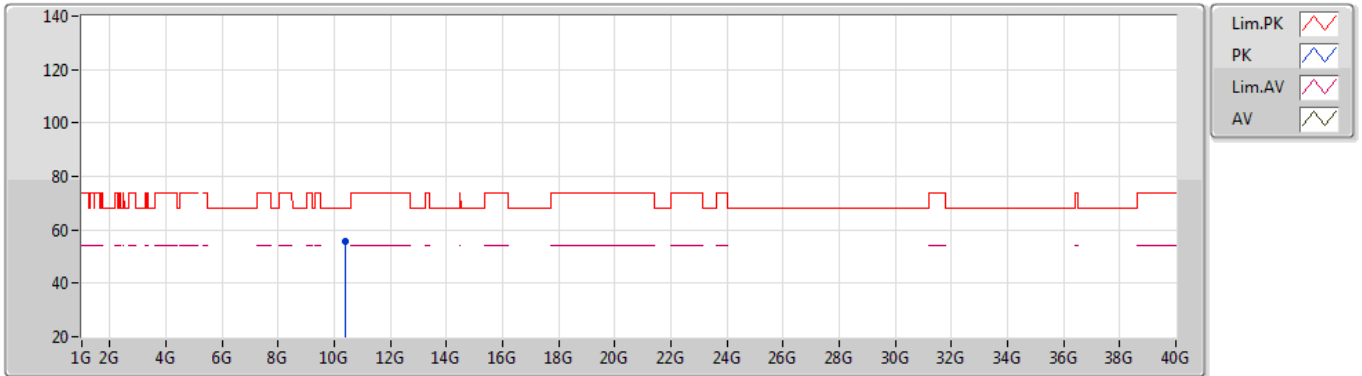


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1476G	45.18	54.00	-8.82	6.38	3	Horizontal	190	1.91	-	38.80	31.70	8.52	33.84
AV	5.2016G	90.44	Inf	-Inf	6.21	3	Horizontal	190	1.91	-	84.23	31.49	8.57	33.85
PK	5.1496G	57.85	74.00	-16.15	6.38	3	Horizontal	190	1.91	-	51.47	31.70	8.52	33.84
PK	5.202G	100.35	Inf	-Inf	6.21	3	Horizontal	190	1.91	-	94.14	31.49	8.57	33.85

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5200MHz_TX

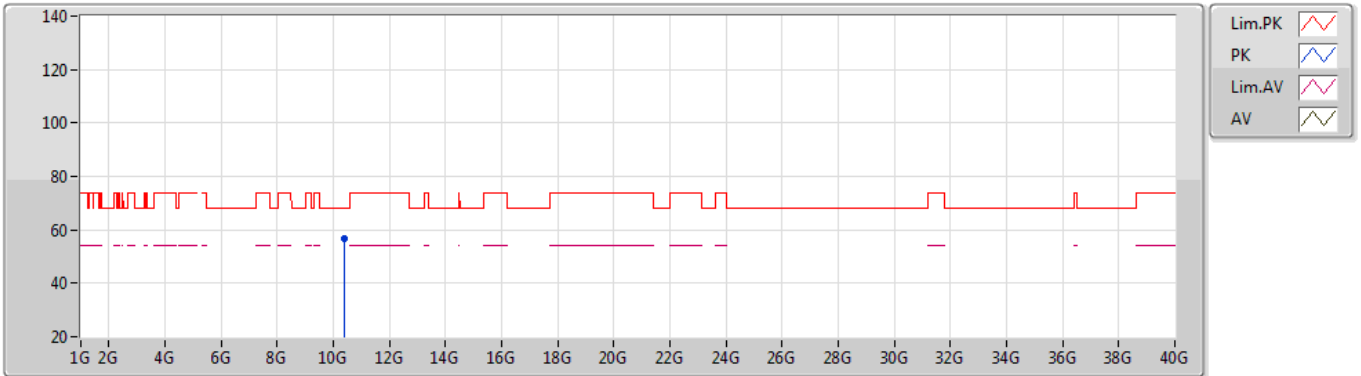


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.39088G	55.74	68.20	-12.46	17.46	3	Vertical	193	1.92	-	38.28	39.47	12.20	34.21

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5200MHz_TX

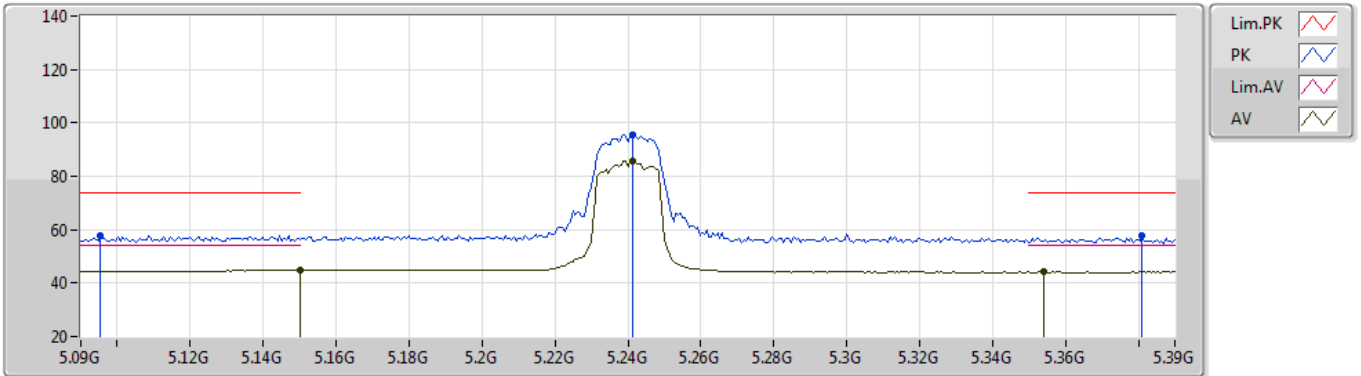


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.3877G	56.55	68.20	-11.65	17.45	3	Horizontal	72	2.46	-	39.10	39.46	12.20	34.21

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5240MHz_TX

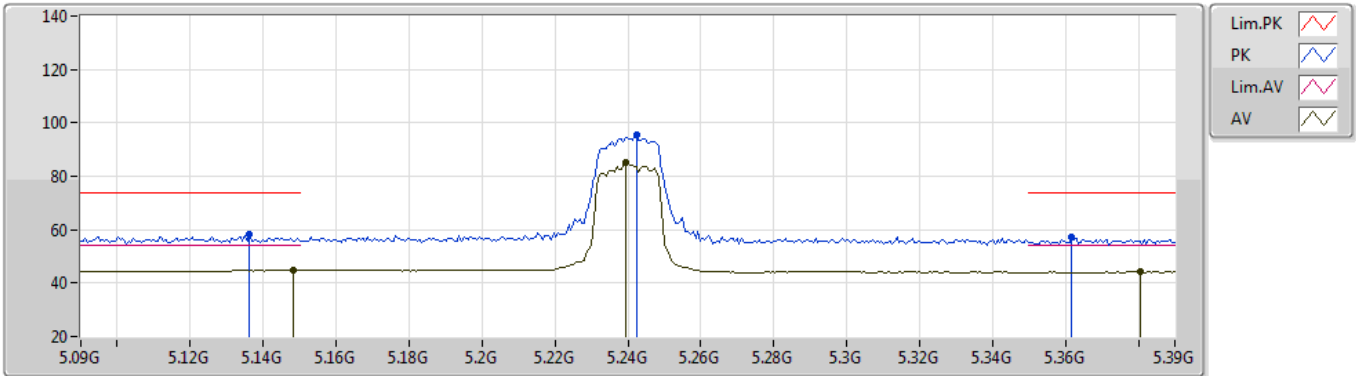


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	44.80	54.00	-9.20	6.38	3	Vertical	360	1.73	-	38.42	31.70	8.52	33.84
AV	5.2412G	85.82	Inf	-Inf	5.97	3	Vertical	360	1.73	-	79.85	31.25	8.58	33.86
AV	5.354G	44.14	54.00	-9.86	5.74	3	Vertical	360	1.73	-	38.40	31.02	8.60	33.88
PK	5.0954G	57.68	74.00	-16.32	6.33	3	Vertical	360	1.73	-	51.35	31.68	8.47	33.82
PK	5.2412G	95.39	Inf	-Inf	5.97	3	Vertical	360	1.73	-	89.42	31.25	8.58	33.86
PK	5.381G	57.86	74.00	-16.14	5.91	3	Vertical	360	1.73	-	51.95	31.19	8.61	33.89

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5240MHz_TX

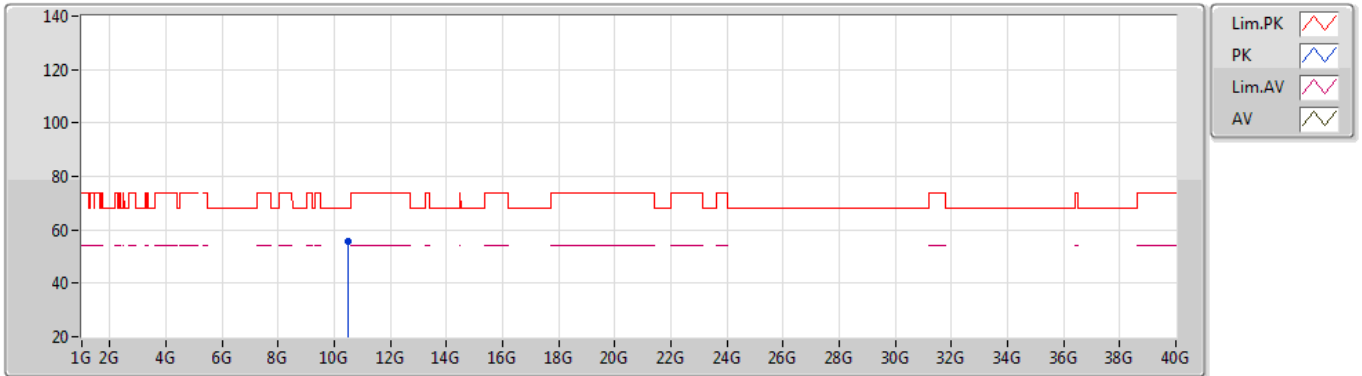


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1482G	44.76	54.00	-9.24	6.38	3	Horizontal	192	1.50	-	38.38	31.70	8.52	33.84
AV	5.2394G	84.94	Inf	-Inf	5.98	3	Horizontal	192	1.50	-	78.96	31.26	8.58	33.86
AV	5.3804G	44.18	54.00	-9.82	5.90	3	Horizontal	192	1.50	-	38.28	31.18	8.61	33.89
PK	5.1362G	58.03	74.00	-15.97	6.38	3	Horizontal	192	1.50	-	51.65	31.70	8.51	33.83
PK	5.2424G	95.27	Inf	-Inf	5.97	3	Horizontal	192	1.50	-	89.30	31.25	8.58	33.86
PK	5.3618G	57.11	74.00	-16.89	5.78	3	Horizontal	192	1.50	-	51.33	31.07	8.60	33.89

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5240MHz_TX

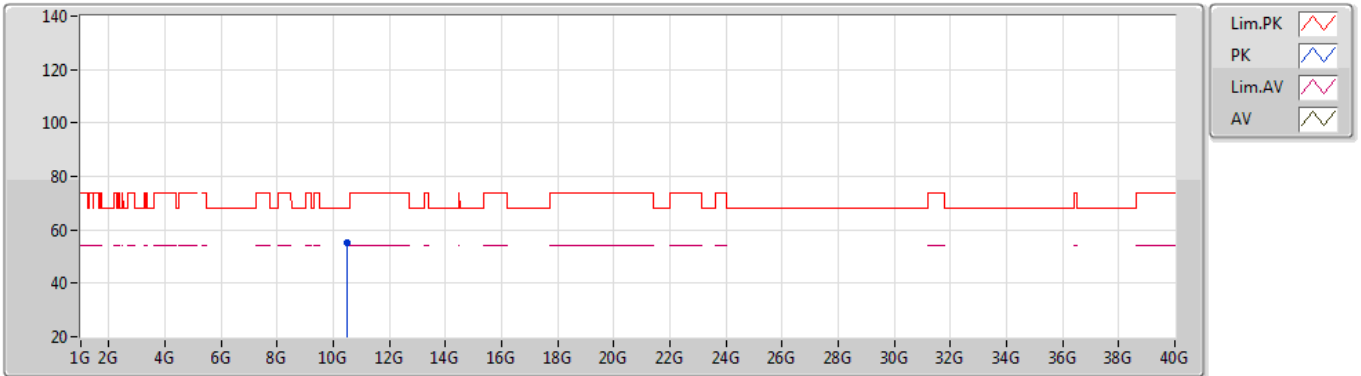


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.47868G	55.88	68.20	-12.32	17.77	3	Vertical	190	2.15	-	38.11	39.66	12.24	34.13

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5240MHz_TX

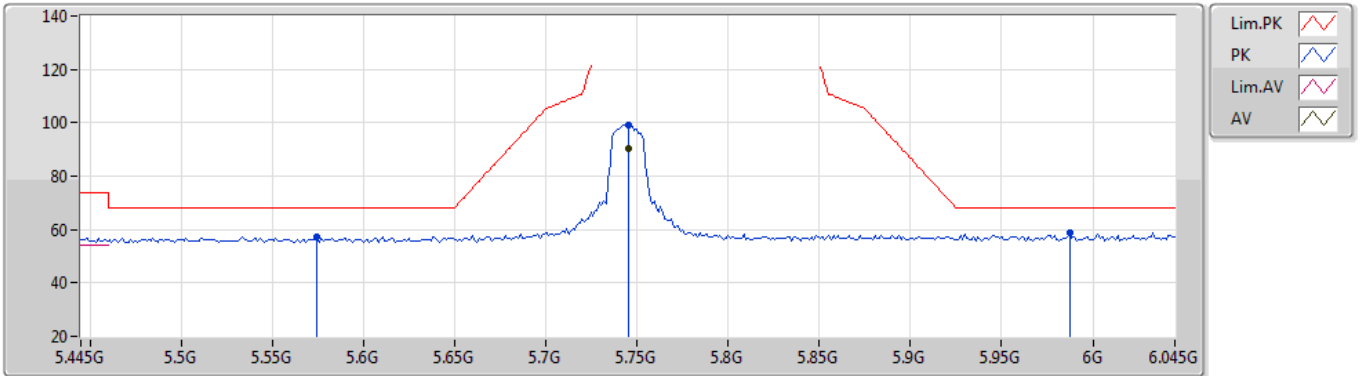


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.4749G	55.41	68.20	-12.79	17.76	3	Horizontal	285	2.28	-	37.65	39.65	12.24	34.13

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5745MHz_TX

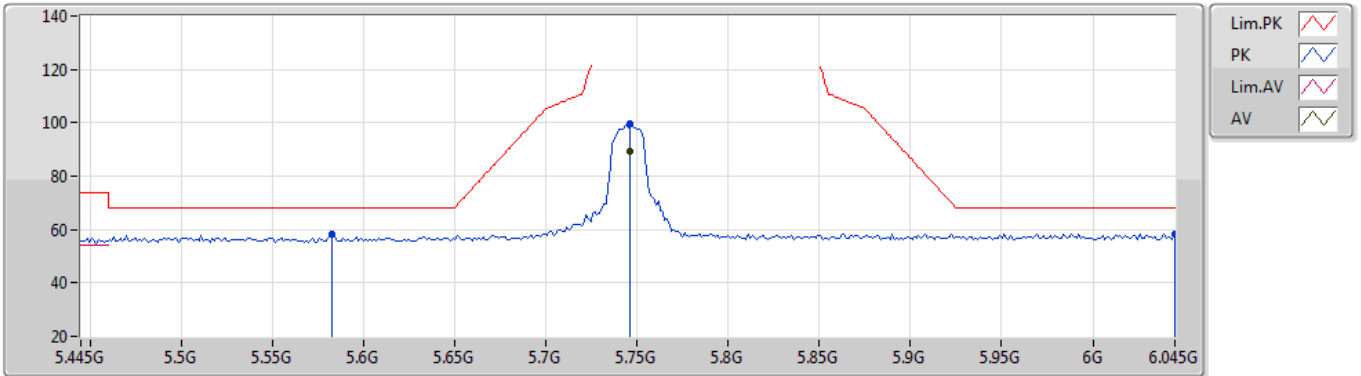


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.745G	90.18	Inf	-Inf	7.05	3	Vertical	8	1.50	-	83.13	31.98	9.03	33.96
PK	5.746G	57.50	68.20	-10.70	6.53	3	Vertical	8	1.50	-	50.97	31.60	8.86	33.93
PK	5.745G	99.35	Inf	-Inf	7.05	3	Vertical	8	1.50	-	92.30	31.98	9.03	33.96
PK	5.9874G	58.87	68.20	-9.33	7.53	3	Vertical	8	1.50	-	51.34	32.37	9.16	34.00

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5745MHz_TX

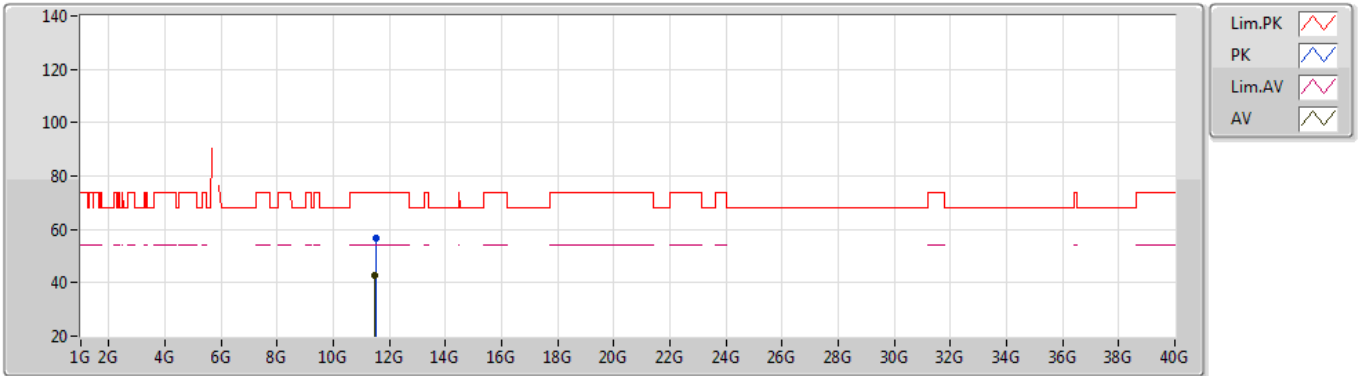


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7462G	89.52	Inf	-Inf	7.05	3	Horizontal	200	1.61	-	82.47	31.98	9.03	33.96
PK	5.583G	58.02	68.20	-10.18	6.55	3	Horizontal	200	1.61	-	51.47	31.60	8.88	33.93
PK	5.7462G	99.80	Inf	-Inf	7.05	3	Horizontal	200	1.61	-	92.75	31.98	9.03	33.96
PK	6.045G	58.46	68.20	-9.74	7.52	3	Horizontal	200	1.61	-	50.94	32.31	9.21	34.00

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5745MHz_TX

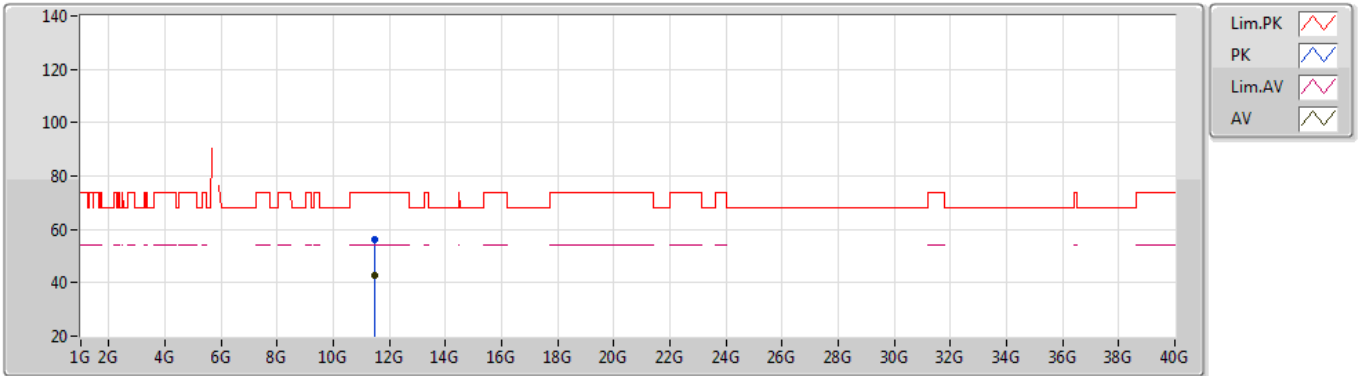


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.49264G	42.82	54.00	-11.18	18.97	3	Vertical	211	1.98	-	23.85	39.99	12.75	33.77
PK	11.50338G	56.80	74.00	-17.20	18.99	3	Vertical	211	1.98	-	37.81	40.00	12.76	33.77

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5745MHz_TX

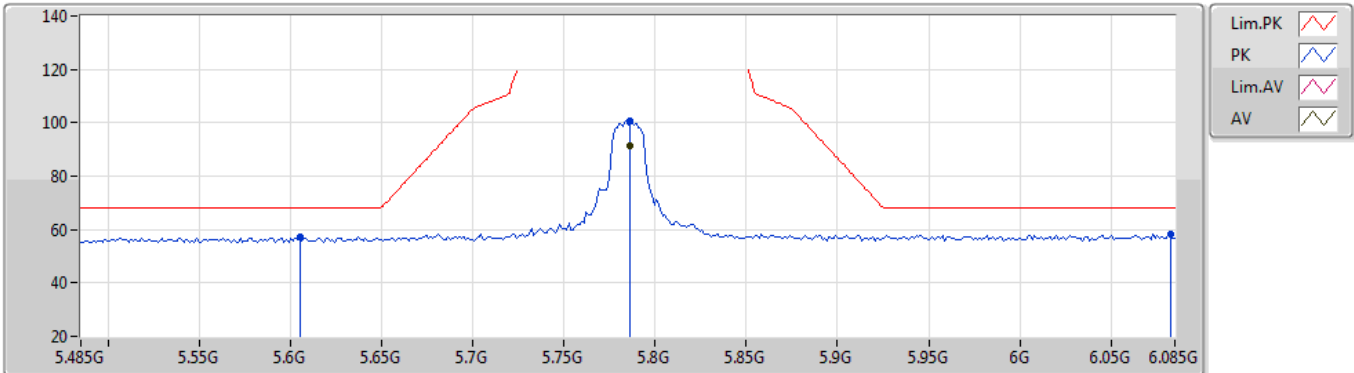


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.49522G	42.88	54.00	-11.12	18.98	3	Horizontal	66	2.29	-	23.90	39.99	12.76	33.77
PK	11.48796G	56.12	74.00	-17.88	18.96	3	Horizontal	66	2.29	-	37.16	39.98	12.75	33.77

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5785MHz_TX

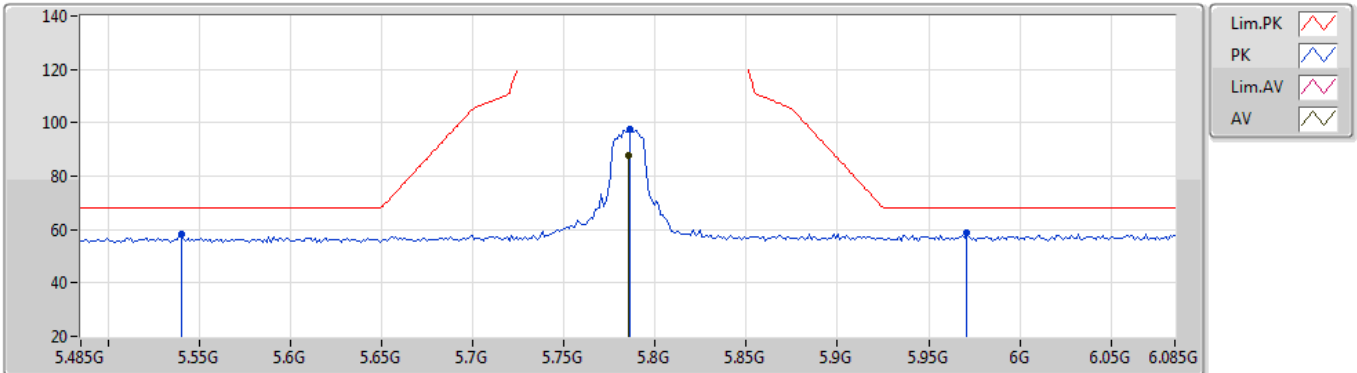


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7862G	91.19	Inf	-Inf	7.10	3	Vertical	7	1.20	-	84.09	32.00	9.07	33.97
PK	5.605G	57.31	68.20	-10.89	6.57	3	Vertical	7	1.20	-	50.74	31.61	8.90	33.94
PK	5.7862G	100.86	Inf	-Inf	7.10	3	Vertical	7	1.20	-	93.76	32.00	9.07	33.97
PK	6.0826G	58.09	68.20	-10.11	7.61	3	Vertical	7	1.20	-	50.48	32.37	9.24	34.00

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5785MHz_TX

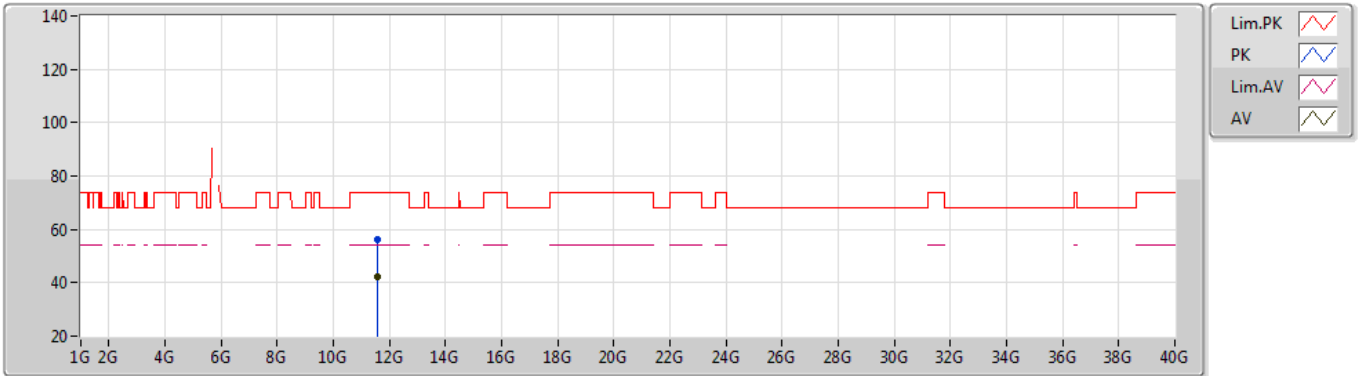


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.785G	87.70	Inf	-Inf	7.10	3	Horizontal	199	1.49	-	80.60	32.00	9.07	33.97
PK	5.5402G	58.07	68.20	-10.13	6.50	3	Horizontal	199	1.49	-	51.57	31.62	8.81	33.93
PK	5.7862G	97.82	Inf	-Inf	7.10	3	Horizontal	199	1.49	-	90.72	32.00	9.07	33.97
PK	5.971G	58.54	68.20	-9.66	7.50	3	Horizontal	199	1.49	-	51.04	32.34	9.16	34.00

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5785MHz_TX

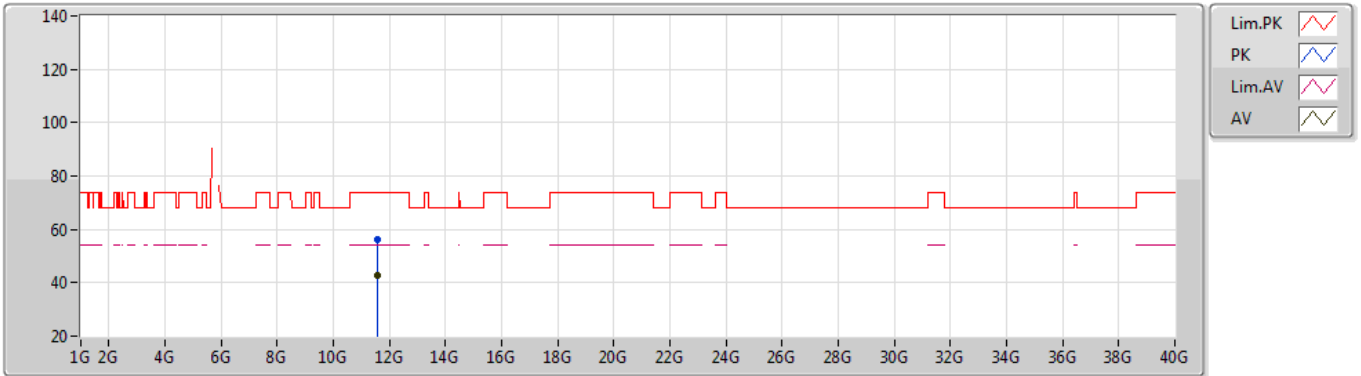


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5589G	42.50	54.00	-11.50	18.93	3	Vertical	60	1.72	-	23.57	39.94	12.79	33.80
PK	11.58206G	56.13	74.00	-17.87	18.91	3	Vertical	60	1.72	-	37.22	39.92	12.80	33.81

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5785MHz_TX

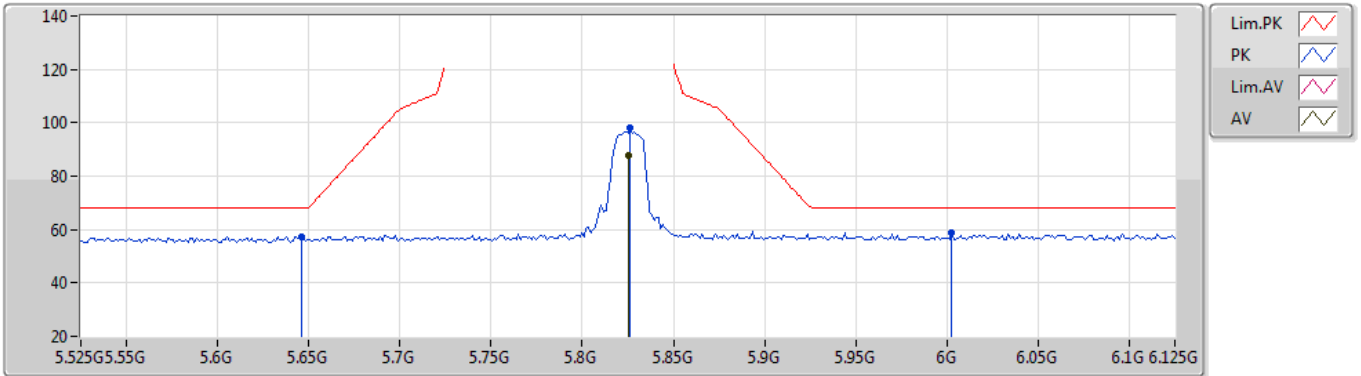


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.55626G	42.58	54.00	-11.42	18.93	3	Horizontal	134	2.17	-	23.65	39.94	12.79	33.80
PK	11.57924G	56.35	74.00	-17.65	18.91	3	Horizontal	134	2.17	-	37.44	39.92	12.80	33.81

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5825MHz_TX

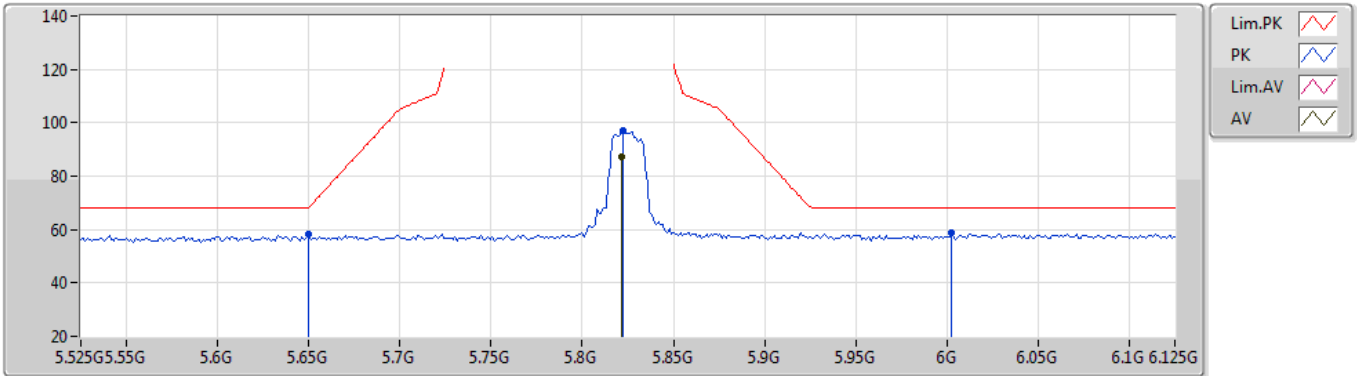


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.825G	87.85	Inf	-Inf	7.22	3	Vertical	353	1.50	-	80.63	32.10	9.09	33.97
PK	5.6462G	57.45	68.20	-10.75	6.69	3	Vertical	353	1.50	-	50.76	31.69	8.94	33.94
PK	5.8262G	98.02	Inf	-Inf	7.22	3	Vertical	353	1.50	-	90.80	32.10	9.09	33.97
PK	6.0026G	58.68	68.20	-9.52	7.56	3	Vertical	353	1.50	-	51.12	32.39	9.17	34.00

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5825MHz_TX

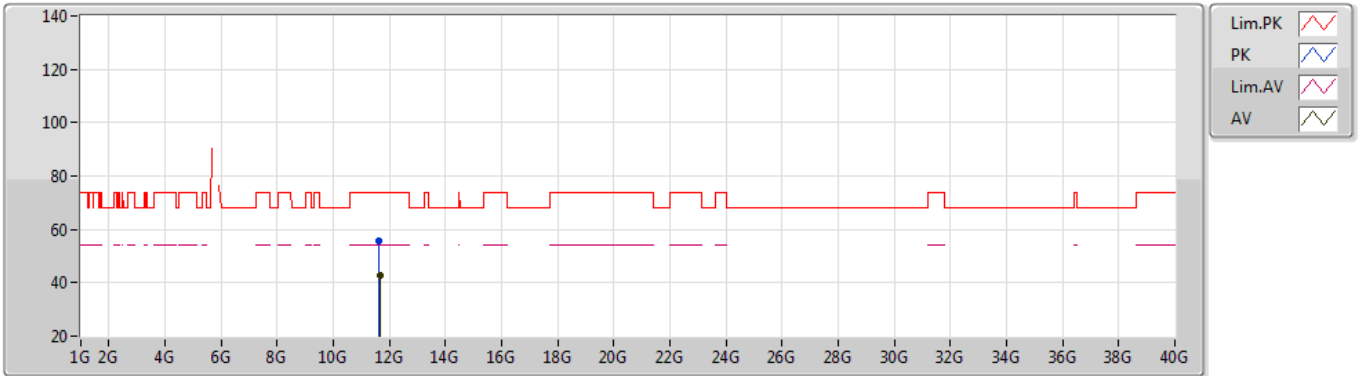


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8214G	87.15	Inf	-Inf	7.21	3	Horizontal	59	1.00	-	79.94	32.09	9.09	33.97
PK	5.6498G	58.02	68.20	-10.18	6.70	3	Horizontal	59	1.00	-	51.32	31.70	8.94	33.94
PK	5.8226G	96.84	Inf	-Inf	7.21	3	Horizontal	59	1.00	-	89.63	32.09	9.09	33.97
PK	6.0026G	59.01	68.20	-9.19	7.56	3	Horizontal	59	1.00	-	51.45	32.39	9.17	34.00

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5825MHz_TX

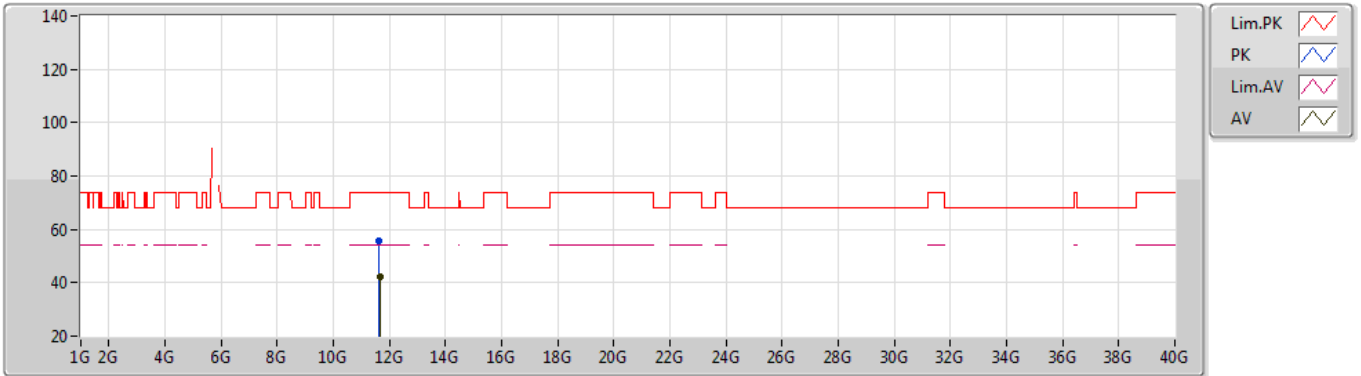


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.65G	42.54	54.00	-11.46	18.54	3	Vertical	22	1.64	-	24.00	39.55	12.83	33.84
PK	11.63668G	55.94	74.00	-18.06	18.63	3	Vertical	22	1.64	-	37.31	39.64	12.83	33.84

802.11a_Nss1,(6Mbps)_2TX

18/09/2020

5825MHz_TX

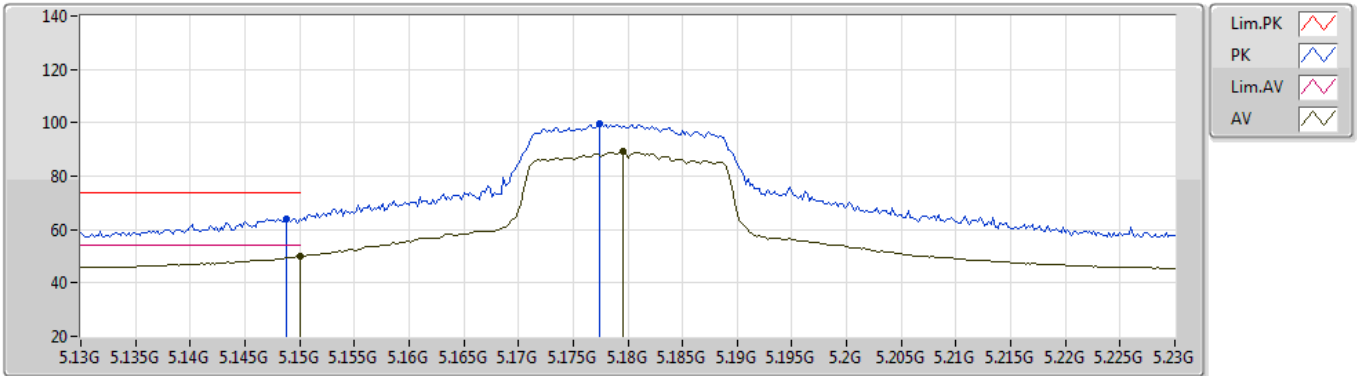


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.64988G	42.27	54.00	-11.73	18.54	3	Horizontal	241	1.55	-	23.73	39.55	12.83	33.84
PK	11.63836G	55.68	74.00	-18.32	18.62	3	Horizontal	241	1.55	-	37.06	39.63	12.83	33.84

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5180MHz_TX

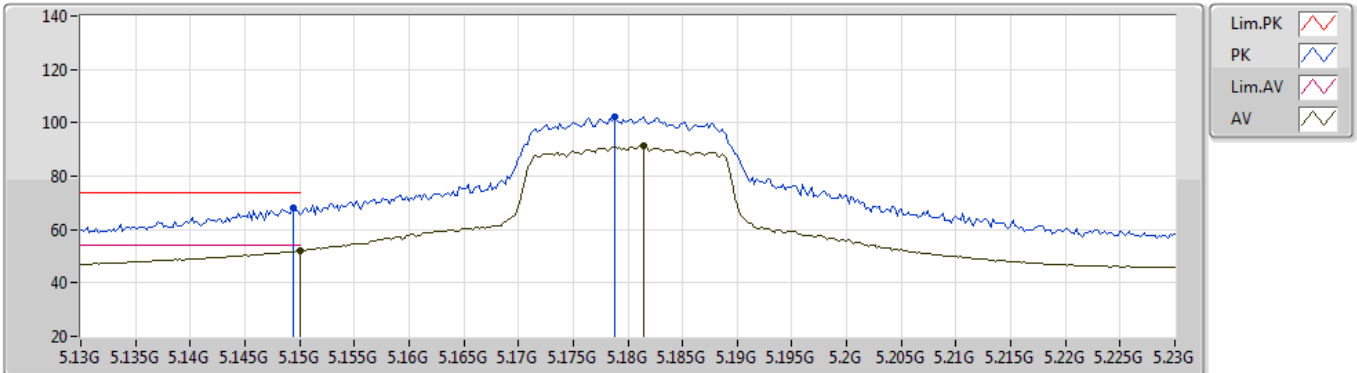


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	49.80	54.00	-4.20	6.38	3	Vertical	199	1.81	-	43.42	31.70	8.52	33.84
AV	5.1796G	89.13	Inf	-Inf	6.29	3	Vertical	199	1.81	-	82.84	31.58	8.55	33.84
PK	5.1488G	64.11	74.00	-9.89	6.38	3	Vertical	199	1.81	-	57.73	31.70	8.52	33.84
PK	5.1774G	99.60	Inf	-Inf	6.30	3	Vertical	199	1.81	-	93.30	31.59	8.55	33.84

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5180MHz_TX

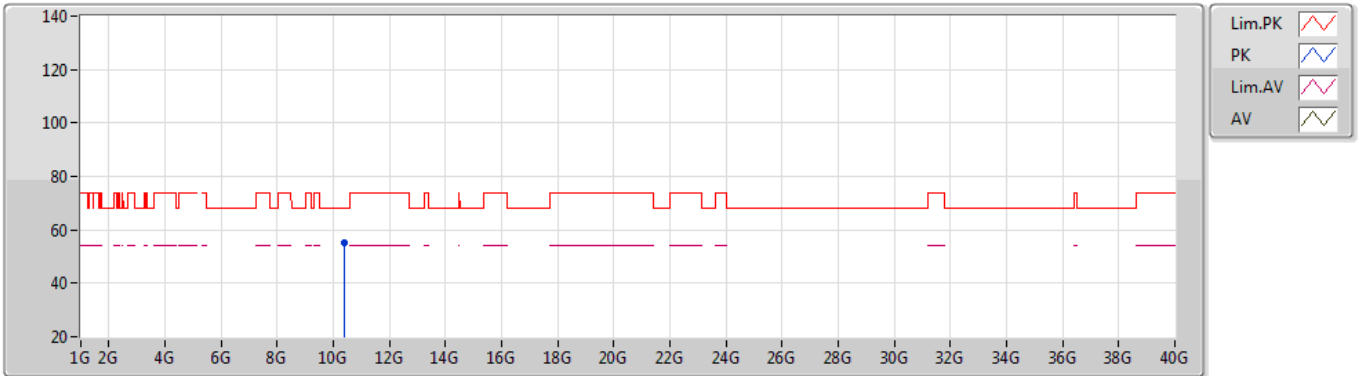


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	51.97	54.00	-2.03	6.38	3	Horizontal	188	1.97	-	45.59	31.70	8.52	33.84
AV	5.1814G	91.26	Inf	-Inf	6.28	3	Horizontal	188	1.97	-	84.98	31.57	8.55	33.84
PK	5.1494G	68.18	74.00	-5.82	6.38	3	Horizontal	188	1.97	-	61.80	31.70	8.52	33.84
PK	5.1788G	102.29	Inf	-Inf	6.29	3	Horizontal	188	1.97	-	96.00	31.58	8.55	33.84

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5180MHz_TX

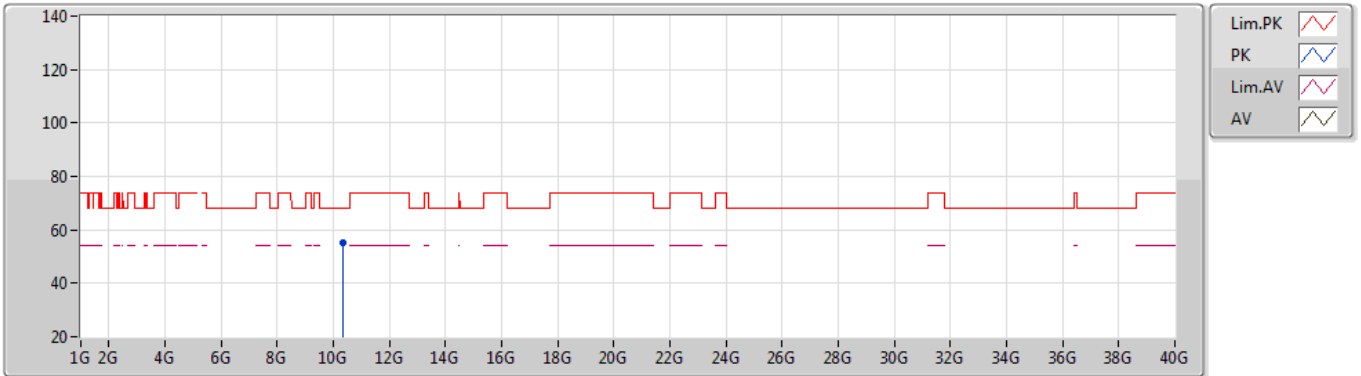


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.3741G	55.23	68.20	-12.97	17.39	3	Vertical	63	1.16	-	37.84	39.42	12.19	34.22

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5180MHz_TX

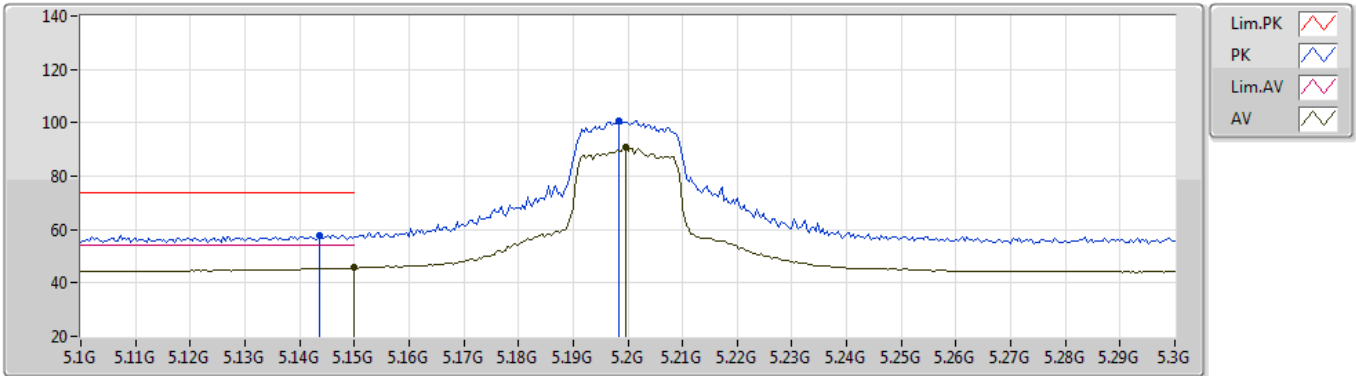


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.35736G	55.20	68.20	-13.00	17.31	3	Horizontal	321	1.76	-	37.89	39.37	12.18	34.24

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5200MHz_TX

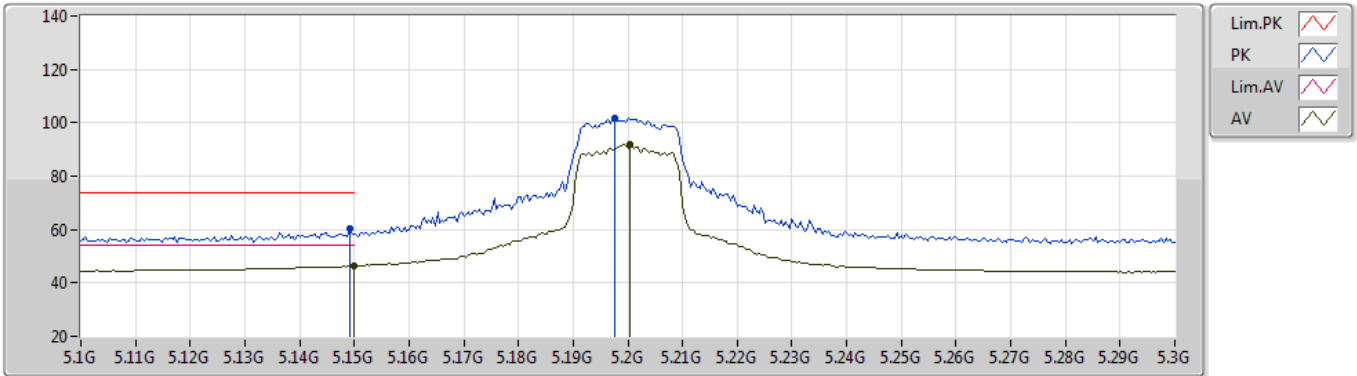


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	45.63	54.00	-8.37	6.38	3	Vertical	334	2.00	-	39.25	31.70	8.52	33.84
AV	5.1996G	90.76	Inf	-Inf	6.22	3	Vertical	334	2.00	-	84.54	31.50	8.57	33.85
PK	5.1436G	57.86	74.00	-16.14	6.39	3	Vertical	334	2.00	-	51.47	31.70	8.52	33.83
PK	5.1984G	100.81	Inf	-Inf	6.23	3	Vertical	334	2.00	-	94.58	31.51	8.57	33.85

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5200MHz_TX

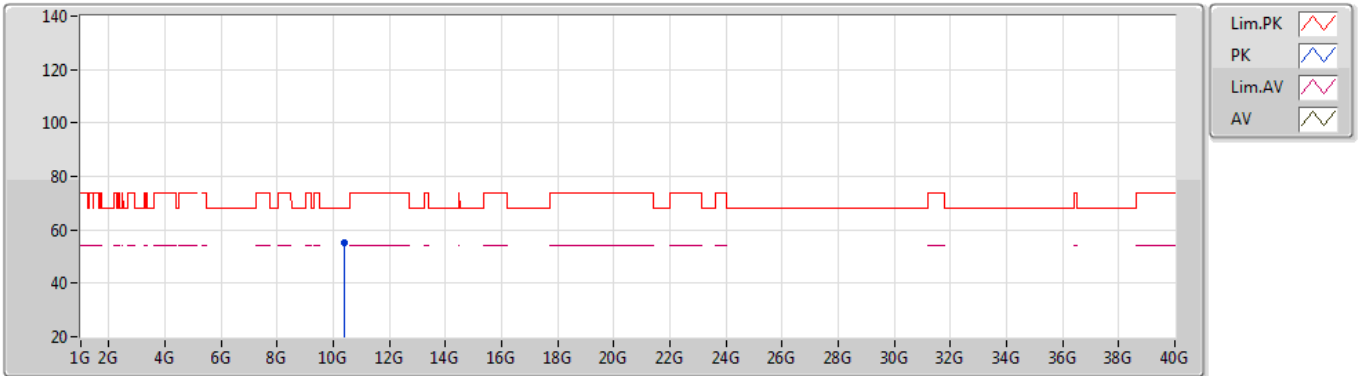


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	46.42	54.00	-7.58	6.38	3	Horizontal	190	1.90	-	40.04	31.70	8.52	33.84
AV	5.2004G	91.69	Inf	-Inf	6.22	3	Horizontal	190	1.90	-	85.47	31.50	8.57	33.85
PK	5.1492G	60.12	74.00	-13.88	6.38	3	Horizontal	190	1.90	-	53.74	31.70	8.52	33.84
PK	5.1976G	101.96	Inf	-Inf	6.23	3	Horizontal	190	1.90	-	95.73	31.51	8.57	33.85

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5200MHz_TX

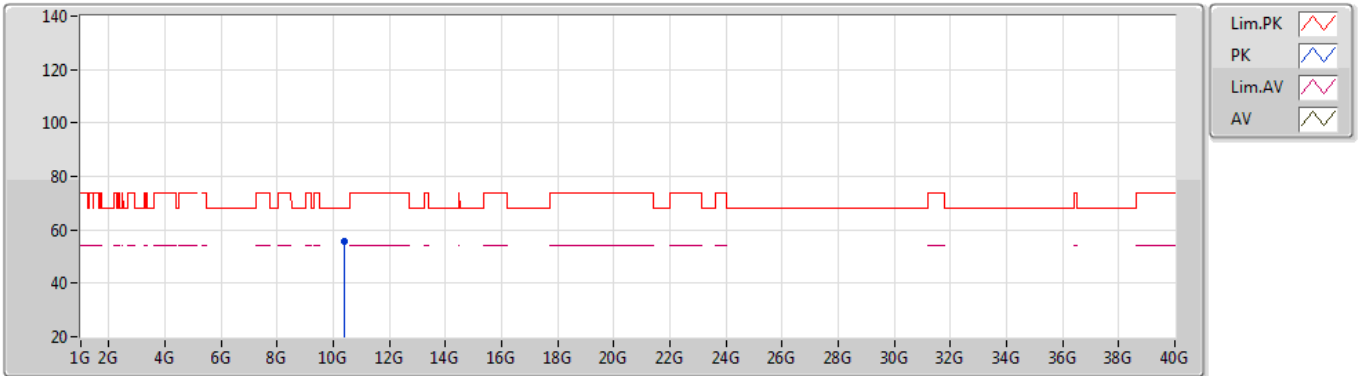


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.41242G	55.25	68.20	-12.95	17.54	3	Vertical	292	1.04	-	37.71	39.52	12.21	34.19

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5200MHz_TX

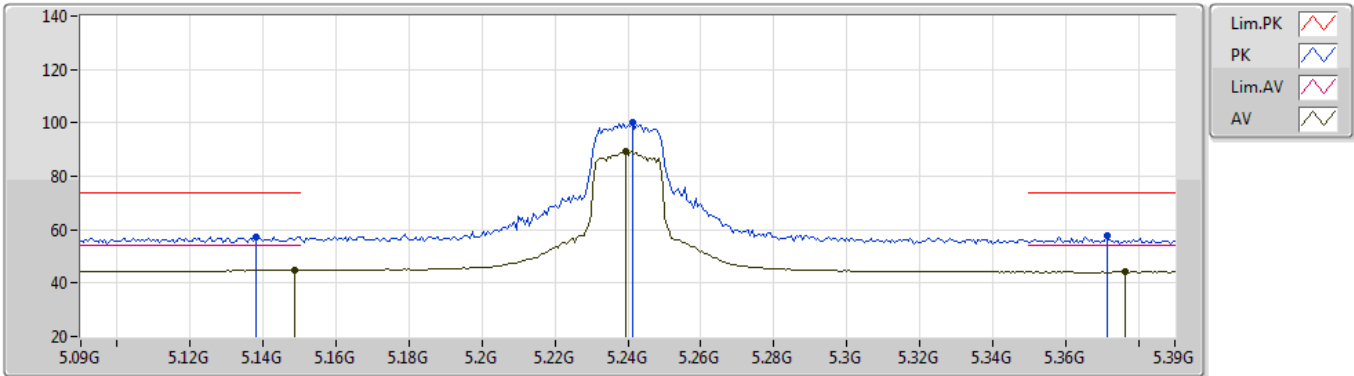


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.4135G	55.82	68.20	-12.38	17.55	3	Horizontal	125	1.02	-	38.27	39.53	12.21	34.19

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5240MHz_TX

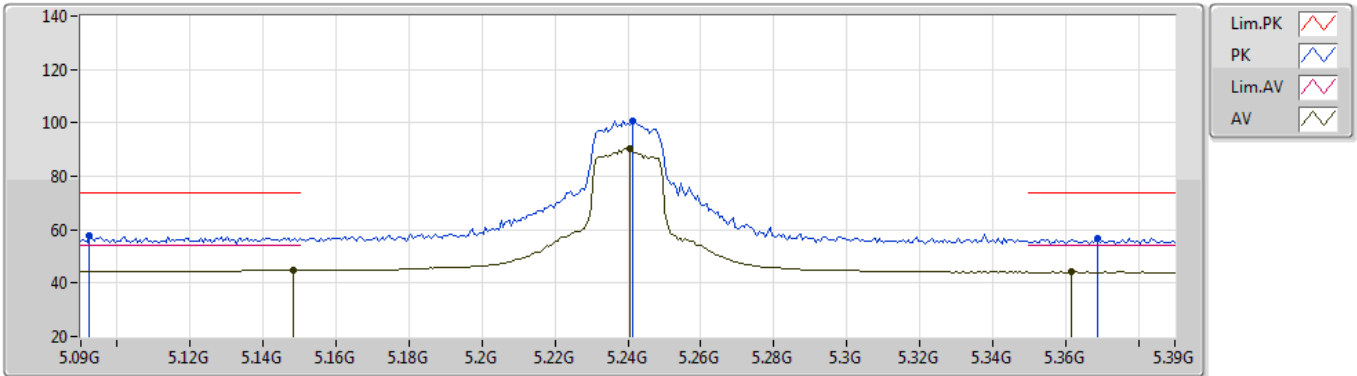


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1488G	44.78	54.00	-9.22	6.38	3	Vertical	199	1.49	-	38.40	31.70	8.52	33.84
AV	5.2394G	89.37	Inf	-Inf	5.98	3	Vertical	199	1.49	-	83.39	31.26	8.58	33.86
AV	5.3762G	44.19	54.00	-9.81	5.88	3	Vertical	199	1.49	-	38.31	31.16	8.61	33.89
PK	5.138G	57.32	74.00	-16.68	6.38	3	Vertical	199	1.49	-	50.94	31.70	8.51	33.83
PK	5.2412G	100.13	Inf	-Inf	5.97	3	Vertical	199	1.49	-	94.16	31.25	8.58	33.86
PK	5.3714G	57.84	74.00	-16.16	5.84	3	Vertical	199	1.49	-	52.00	31.13	8.60	33.89

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5240MHz_TX

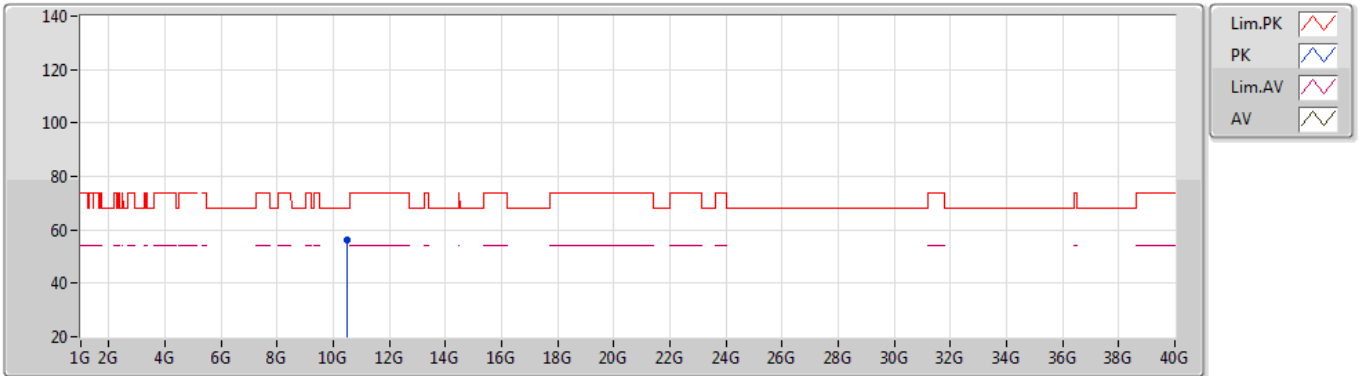


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1482G	44.78	54.00	-9.22	6.38	3	Horizontal	188	1.75	-	38.40	31.70	8.52	33.84
AV	5.2406G	90.14	Inf	-Inf	5.98	3	Horizontal	188	1.75	-	84.16	31.26	8.58	33.86
AV	5.3618G	44.11	54.00	-9.89	5.78	3	Horizontal	188	1.75	-	38.33	31.07	8.60	33.89
PK	5.0924G	57.87	74.00	-16.13	6.32	3	Horizontal	188	1.75	-	51.55	31.67	8.47	33.82
PK	5.2412G	100.81	Inf	-Inf	5.97	3	Horizontal	188	1.75	-	94.84	31.25	8.58	33.86
PK	5.369G	56.87	74.00	-17.13	5.82	3	Horizontal	188	1.75	-	51.05	31.11	8.60	33.89

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5240MHz_TX

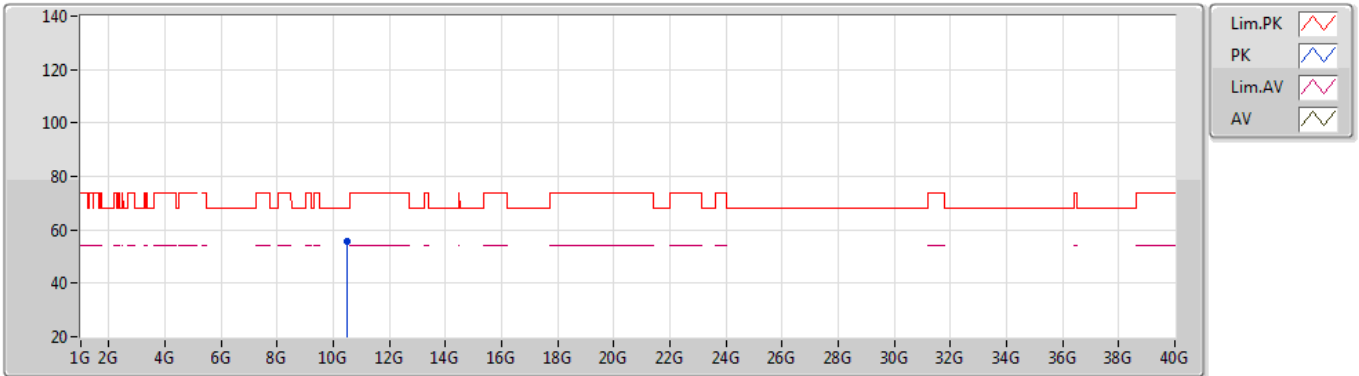


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.47838G	56.10	68.20	-12.10	17.77	3	Vertical	137	1.10	-	38.33	39.66	12.24	34.13

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5240MHz_TX

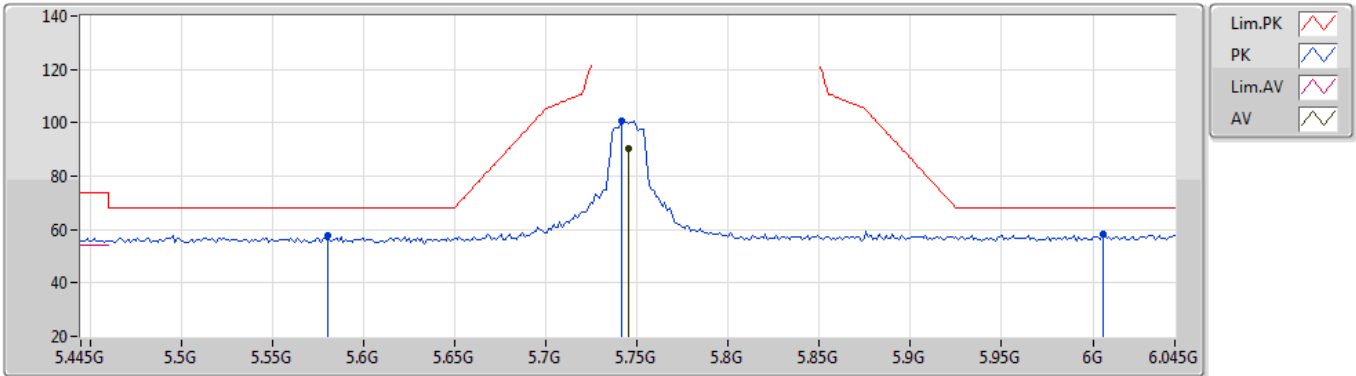


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.48138G	55.88	68.20	-12.32	17.77	3	Horizontal	298	1.99	-	38.11	39.66	12.24	34.13

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5745MHz_TX

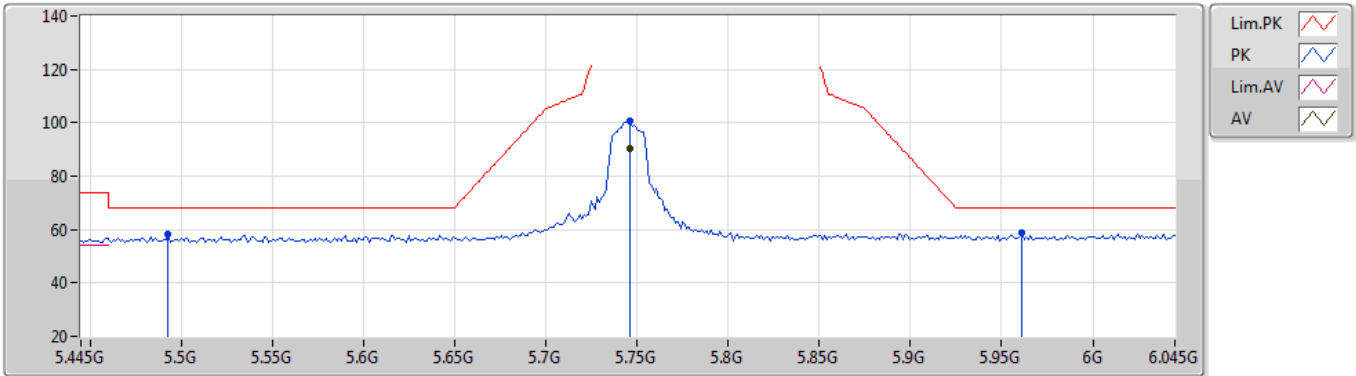


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.745G	90.49	Inf	-Inf	7.05	3	Vertical	8	1.59	-	83.44	31.98	9.03	33.96
PK	5.5806G	57.84	68.20	-10.36	6.54	3	Vertical	8	1.59	-	51.30	31.60	8.87	33.93
PK	5.7414G	100.91	Inf	-Inf	7.04	3	Vertical	8	1.59	-	93.87	31.97	9.03	33.96
PK	6.0054G	58.32	68.20	-9.88	7.56	3	Vertical	8	1.59	-	50.76	32.39	9.17	34.00

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5745MHz_TX

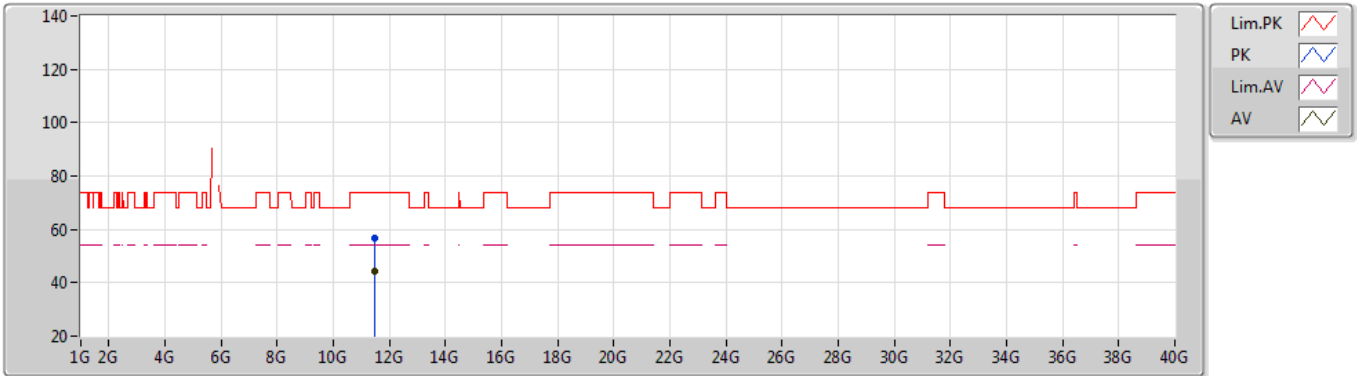


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7462G	90.40	Inf	-Inf	7.05	3	Horizontal	201	1.96	-	83.35	31.98	9.03	33.96
PK	5.493G	58.39	68.20	-9.81	6.51	3	Horizontal	201	1.96	-	51.88	31.69	8.74	33.92
PK	5.7462G	100.47	Inf	-Inf	7.05	3	Horizontal	201	1.96	-	93.42	31.98	9.03	33.96
PK	5.961G	58.70	68.20	-9.50	7.48	3	Horizontal	201	1.96	-	51.22	32.32	9.15	33.99

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

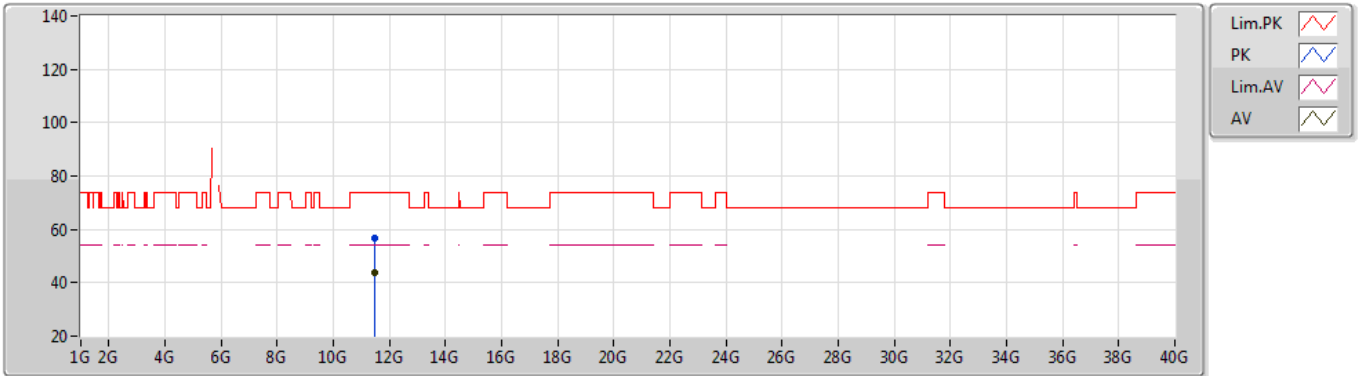
5745MHz_TX



802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5745MHz_TX

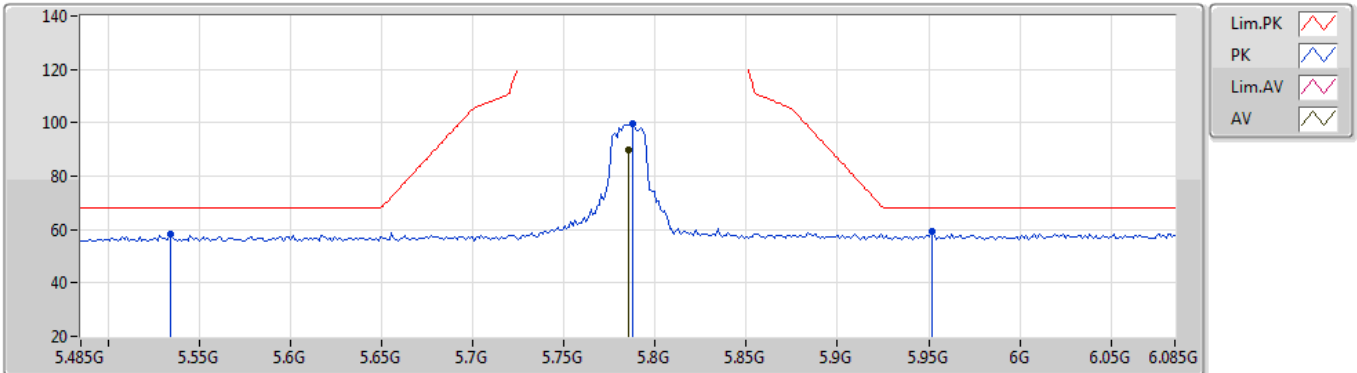


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.49004G	44.04	54.00	-9.96	18.96	3	Horizontal	135	2.23	-	25.08	39.98	12.75	33.77
PK	11.4943G	56.55	74.00	-17.45	18.97	3	Horizontal	135	2.23	-	37.58	39.99	12.75	33.77

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5785MHz_TX

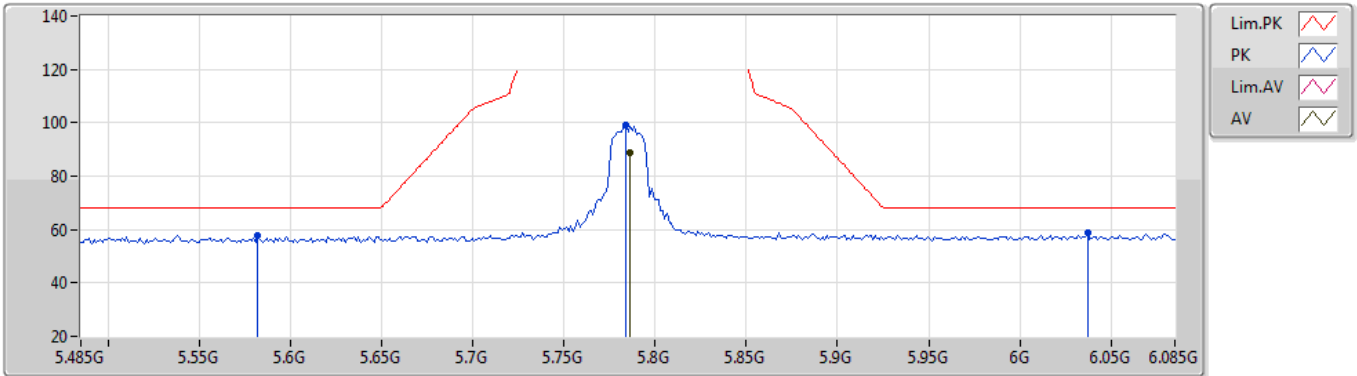


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.785G	89.92	Inf	-Inf	7.10	3	Vertical	355	1.17	-	82.82	32.00	9.07	33.97
PK	5.5342G	58.25	68.20	-9.95	6.50	3	Vertical	355	1.17	-	51.75	31.63	8.80	33.93
PK	5.7874G	99.73	Inf	-Inf	7.10	3	Vertical	355	1.17	-	92.63	32.00	9.07	33.97
PK	5.9518G	59.45	68.20	-8.75	7.46	3	Vertical	355	1.17	-	51.99	32.30	9.15	33.99

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5785MHz_TX

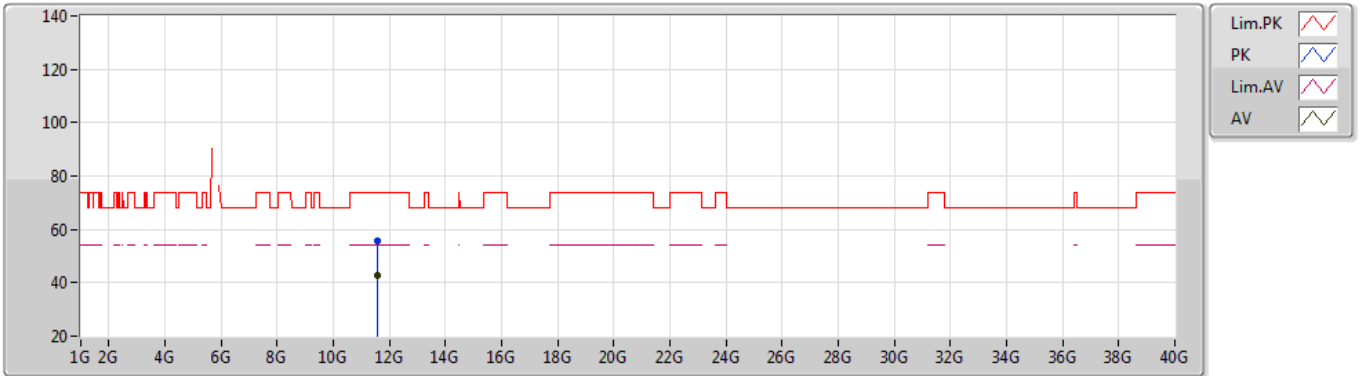


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7862G	88.58	Inf	-Inf	7.10	3	Horizontal	13	1.49	-	81.48	32.00	9.07	33.97
PK	5.5822G	57.59	68.20	-10.61	6.54	3	Horizontal	13	1.49	-	51.05	31.60	8.87	33.93
PK	5.7838G	99.10	Inf	-Inf	7.10	3	Horizontal	13	1.49	-	92.00	32.00	9.07	33.97
PK	6.037G	59.01	68.20	-9.19	7.53	3	Horizontal	13	1.49	-	51.48	32.33	9.20	34.00

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5785MHz_TX

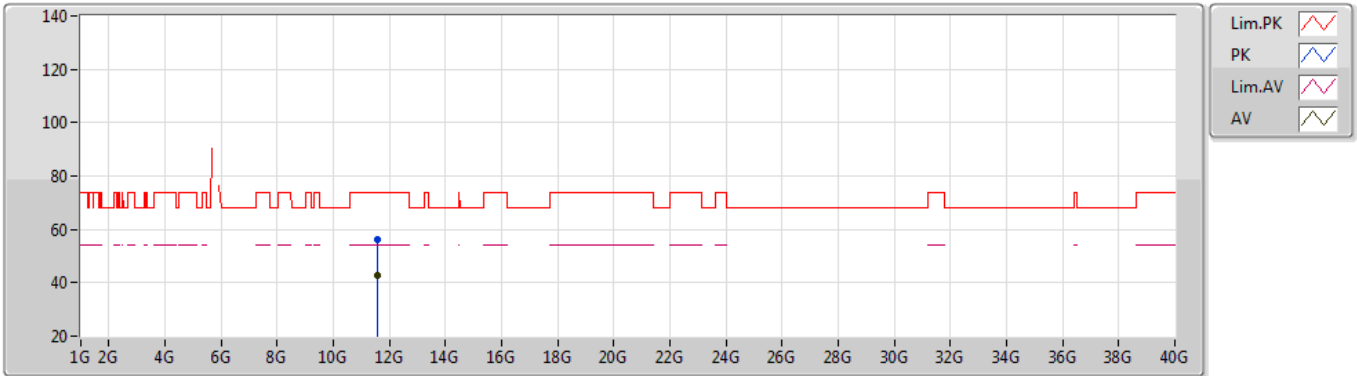


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.56982G	42.62	54.00	-11.38	18.92	3	Vertical	334	1.17	-	23.70	39.93	12.79	33.80
PK	11.57996G	55.74	74.00	-18.26	18.91	3	Vertical	334	1.17	-	36.83	39.92	12.80	33.81

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5785MHz_TX

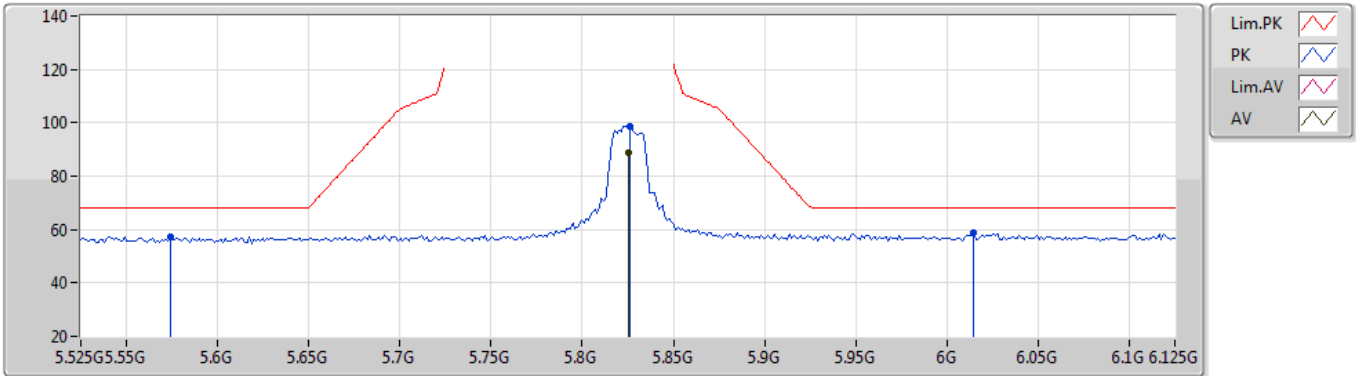


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.55692G	42.60	54.00	-11.40	18.93	3	Horizontal	172	2.06	-	23.67	39.94	12.79	33.80
PK	11.56724G	56.12	74.00	-17.88	18.92	3	Horizontal	172	2.06	-	37.20	39.93	12.79	33.80

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5825MHz_TX

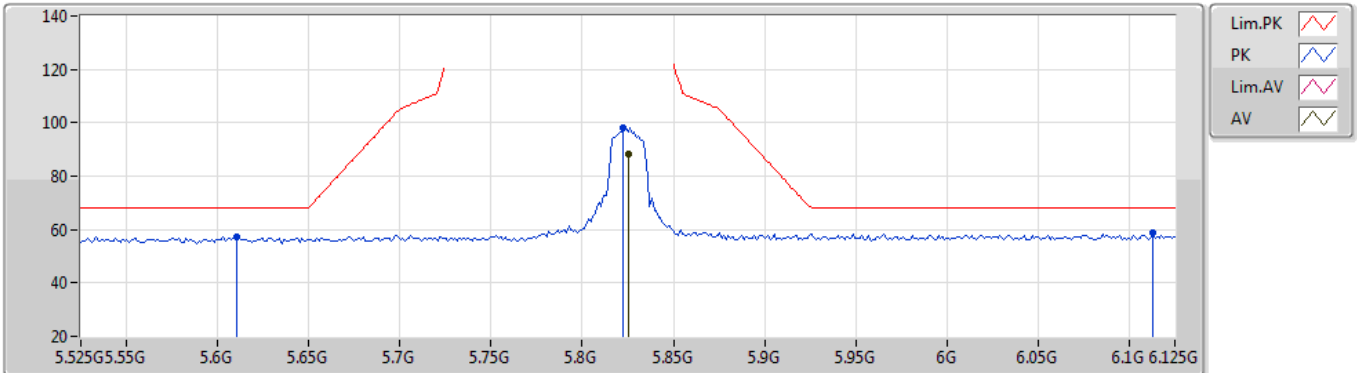


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.825G	88.68	Inf	-Inf	7.22	3	Vertical	353	1.50	-	81.46	32.10	9.09	33.97
PK	5.5742G	57.39	68.20	-10.81	6.53	3	Vertical	353	1.50	-	50.86	31.60	8.86	33.93
PK	5.8262G	98.60	Inf	-Inf	7.22	3	Vertical	353	1.50	-	91.38	32.10	9.09	33.97
PK	6.0146G	58.81	68.20	-9.39	7.55	3	Vertical	353	1.50	-	51.26	32.37	9.18	34.00

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5825MHz_TX

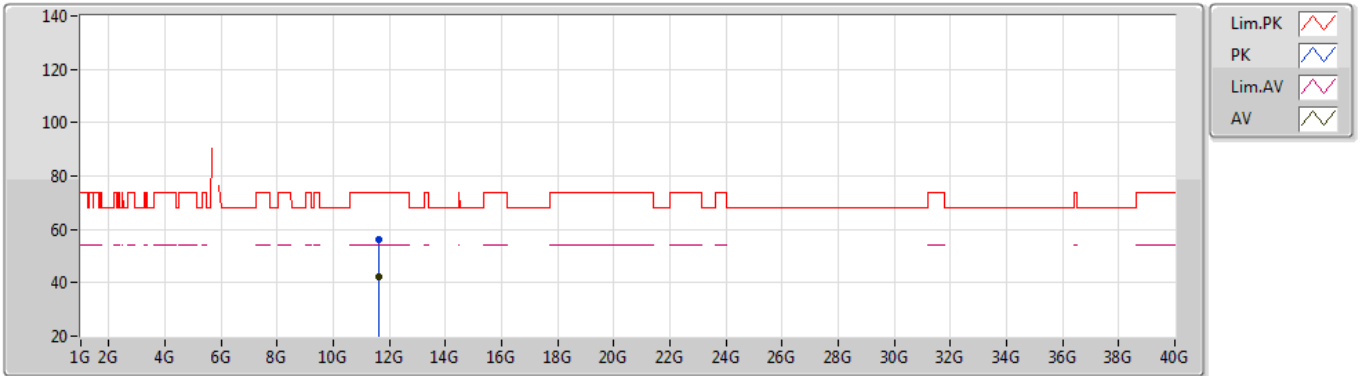


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.825G	88.24	Inf	-Inf	7.22	3	Horizontal	200	1.49	-	81.02	32.10	9.09	33.97
PK	5.6102G	57.48	68.20	-10.72	6.59	3	Horizontal	200	1.49	-	50.89	31.62	8.91	33.94
PK	5.8226G	98.33	Inf	-Inf	7.21	3	Horizontal	200	1.49	-	91.12	32.09	9.09	33.97
PK	6.113G	58.61	68.20	-9.59	7.69	3	Horizontal	200	1.49	-	50.92	32.43	9.26	34.00

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5825MHz_TX

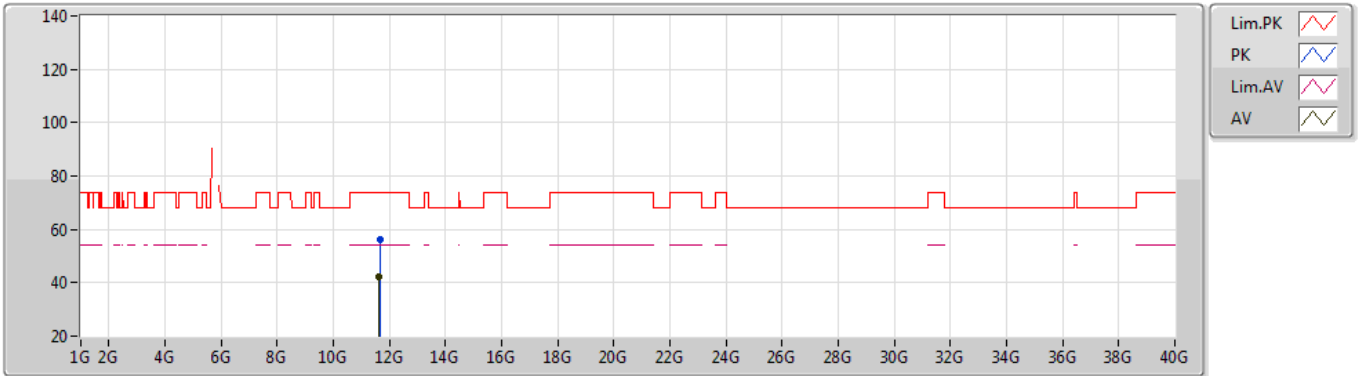


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.6434G	42.18	54.00	-11.82	18.59	3	Vertical	355	1.20	-	23.59	39.60	12.83	33.84
PK	11.64718G	56.09	74.00	-17.91	18.56	3	Vertical	355	1.20	-	37.53	39.57	12.83	33.84

802.11ac VHT20_Nss1,(MCS0)_2TX

18/09/2020

5825MHz_TX

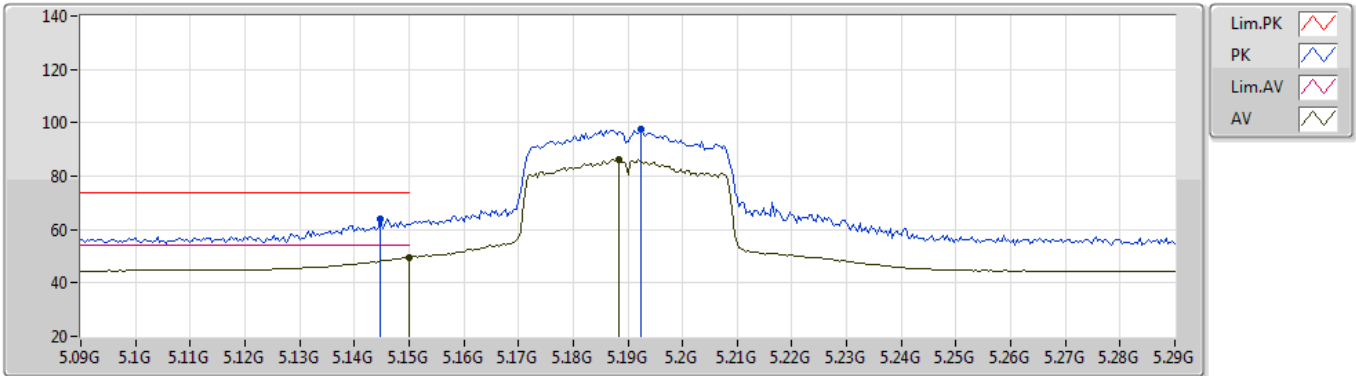


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.64304G	42.18	54.00	-11.82	18.59	3	Horizontal	66	2.44	-	23.59	39.60	12.83	33.84
PK	11.65456G	55.96	74.00	-18.04	18.52	3	Horizontal	66	2.44	-	37.44	39.52	12.84	33.84

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5190MHz_TX

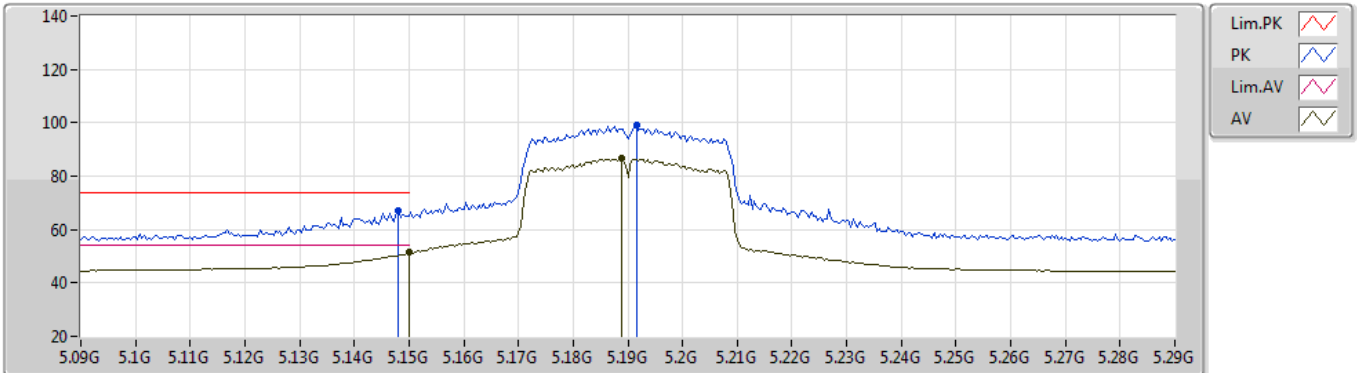


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	49.52	54.00	-4.48	6.38	3	Vertical	358	1.04	-	43.14	31.70	8.52	33.84
AV	5.1884G	86.18	Inf	-Inf	6.26	3	Vertical	358	1.04	-	79.92	31.55	8.56	33.85
PK	5.1448G	64.10	74.00	-9.90	6.39	3	Vertical	358	1.04	-	57.71	31.70	8.52	33.83
PK	5.1924G	97.51	Inf	-Inf	6.24	3	Vertical	358	1.04	-	91.27	31.53	8.56	33.85

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5190MHz_TX

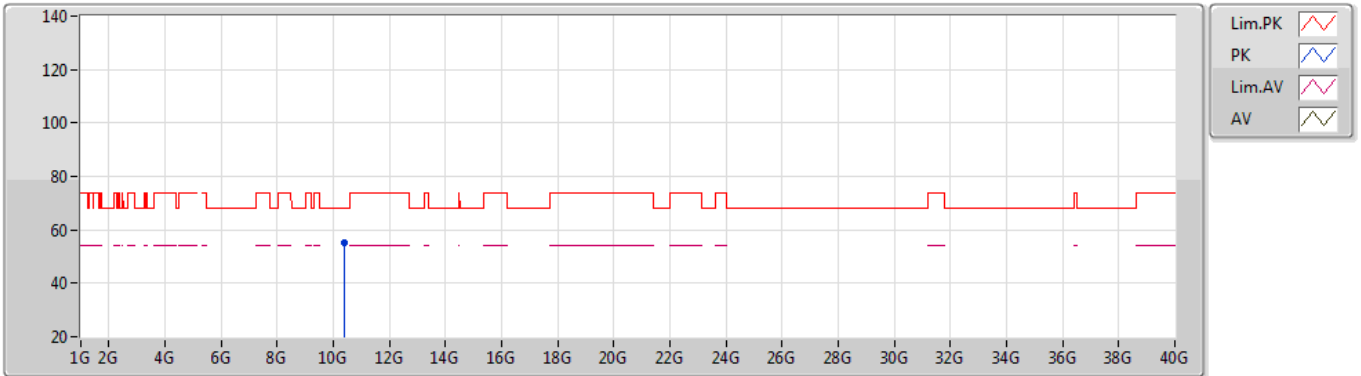


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	51.33	54.00	-2.67	6.38	3	Horizontal	188	1.91	-	44.95	31.70	8.52	33.84
AV	5.1888G	86.74	Inf	-Inf	6.25	3	Horizontal	188	1.91	-	80.49	31.54	8.56	33.85
PK	5.148G	67.28	74.00	-6.72	6.38	3	Horizontal	188	1.91	-	60.90	31.70	8.52	33.84
PK	5.1916G	99.17	Inf	-Inf	6.24	3	Horizontal	188	1.91	-	92.93	31.53	8.56	33.85

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5190MHz_TX

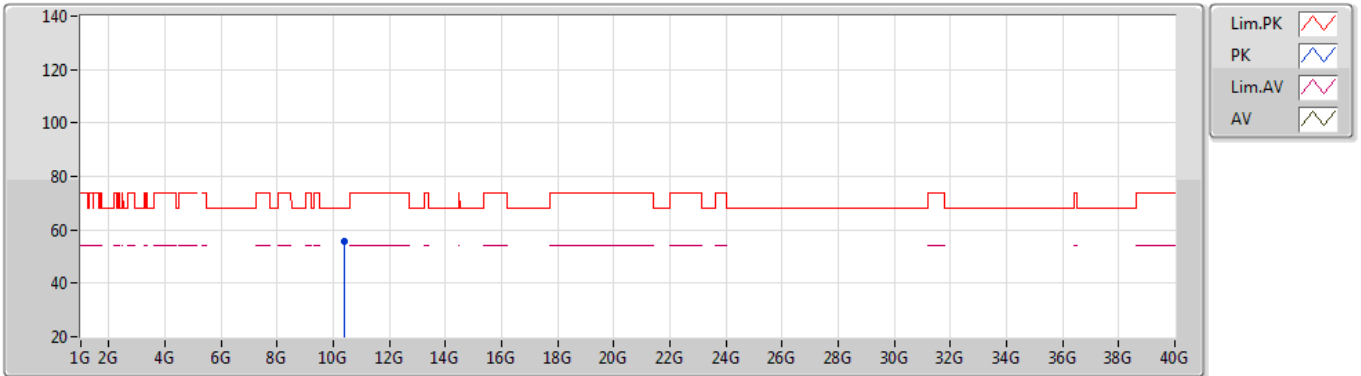


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.36998G	55.30	68.20	-12.90	17.38	3	Vertical	254	1.95	-	37.92	39.41	12.19	34.22

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

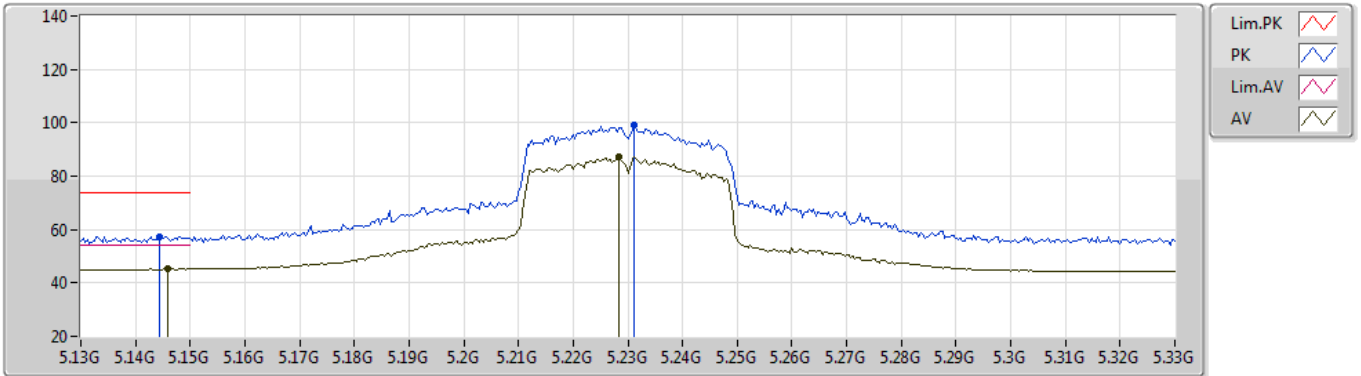
5190MHz_TX



802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5230MHz_TX

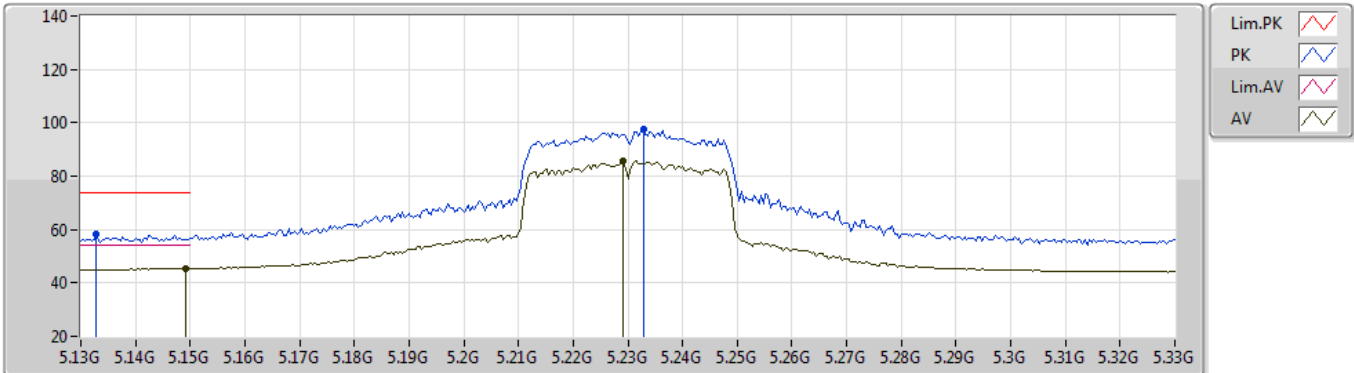


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.146G	45.25	54.00	-8.75	6.38	3	Vertical	355	1.92	-	38.87	31.70	8.52	33.84
AV	5.2284G	87.15	Inf	-Inf	6.06	3	Vertical	355	1.92	-	81.09	31.33	8.58	33.85
PK	5.1444G	57.14	74.00	-16.86	6.39	3	Vertical	355	1.92	-	50.75	31.70	8.52	33.83
PK	5.2312G	98.96	Inf	-Inf	6.03	3	Vertical	355	1.92	-	92.93	31.31	8.58	33.86

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5230MHz_TX

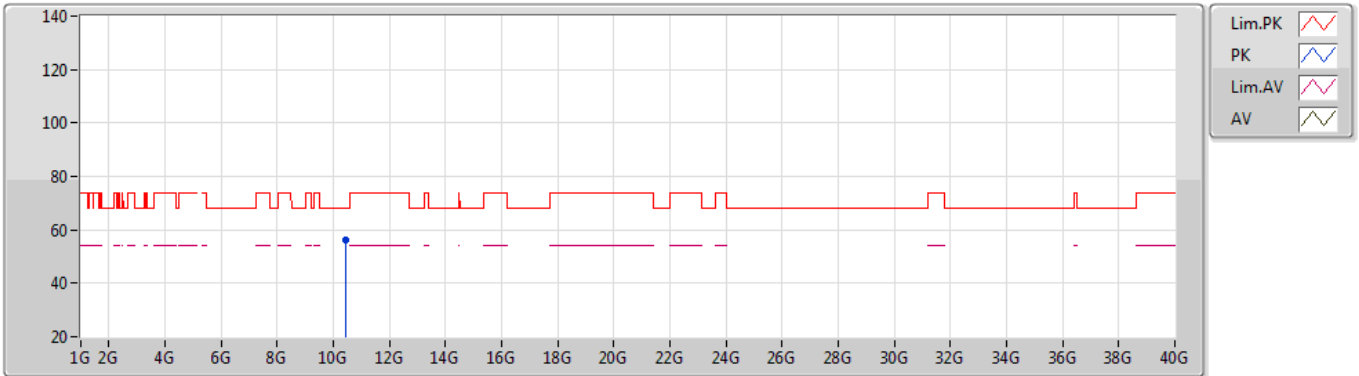


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1492G	45.34	54.00	-8.66	6.38	3	Horizontal	186	1.91	-	38.96	31.70	8.52	33.84
AV	5.2292G	85.84	Inf	-Inf	6.04	3	Horizontal	186	1.91	-	79.80	31.32	8.58	33.86
PK	5.1328G	58.06	74.00	-15.94	6.38	3	Horizontal	186	1.91	-	51.68	31.70	8.51	33.83
PK	5.2328G	97.50	Inf	-Inf	6.02	3	Horizontal	186	1.91	-	91.48	31.30	8.58	33.86

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5230MHz_TX

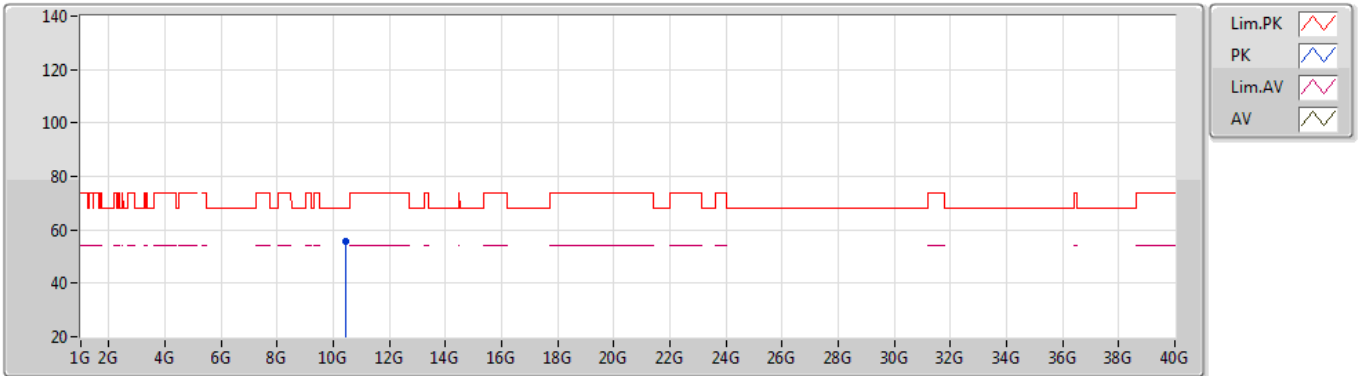


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.46003G	56.01	68.20	-12.19	17.70	3	Vertical	14	1.00	-	38.31	39.62	12.23	34.15

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5230MHz_TX

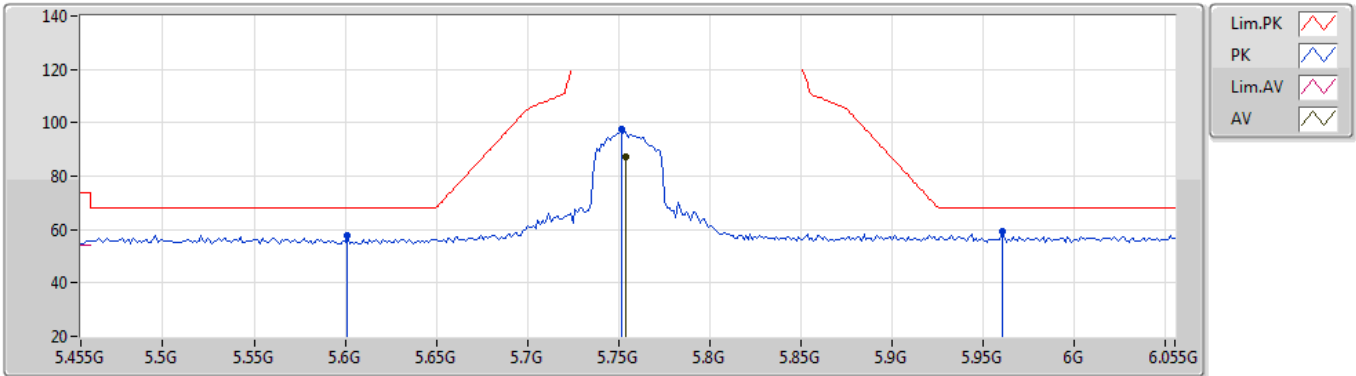


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.46159G	55.63	68.20	-12.57	17.71	3	Horizontal	357	1.45	-	37.92	39.62	12.23	34.14

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5755MHz_TX

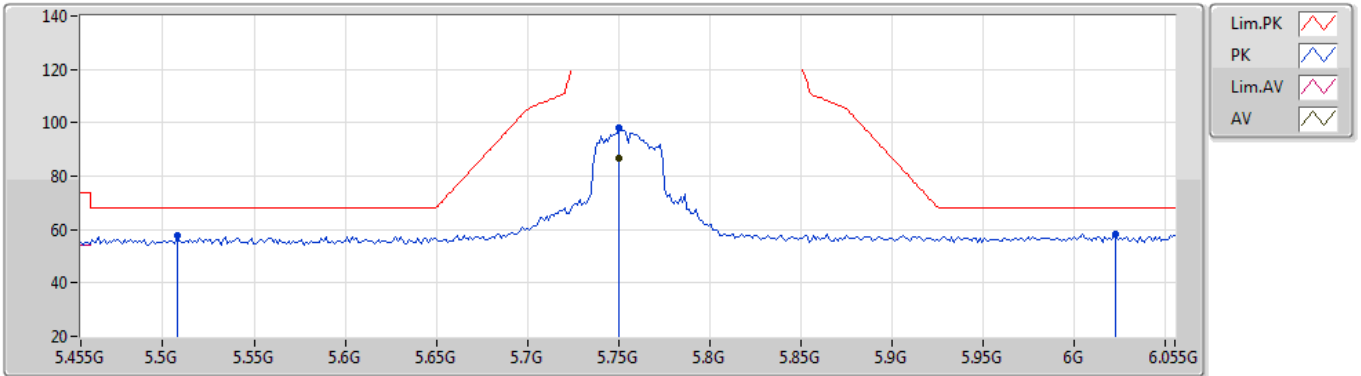


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7538G	87.01	Inf	-Inf	7.08	3	Vertical	355	1.48	-	79.93	32.00	9.04	33.96
PK	5.6014G	57.76	68.20	-10.44	6.56	3	Vertical	355	1.48	-	51.20	31.60	8.90	33.94
PK	5.7514G	97.56	Inf	-Inf	7.08	3	Vertical	355	1.48	-	90.48	32.00	9.04	33.96
PK	5.9602G	59.10	68.20	-9.10	7.48	3	Vertical	355	1.48	-	51.62	32.32	9.15	33.99

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5755MHz_TX

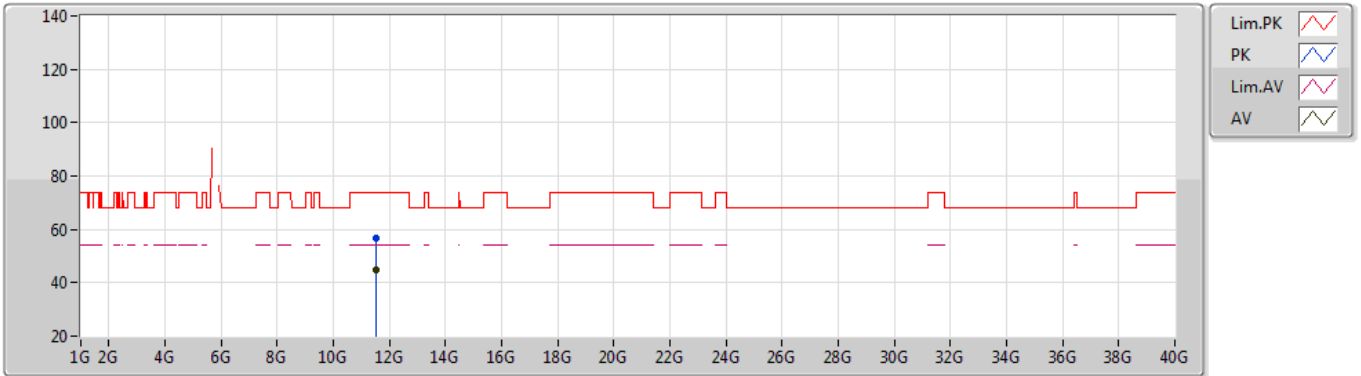


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7502G	86.64	Inf	-Inf	7.08	3	Horizontal	200	1.71	-	79.56	32.00	9.04	33.96
PK	5.5078G	57.60	68.20	-10.60	6.53	3	Horizontal	200	1.71	-	51.07	31.68	8.77	33.92
PK	5.7502G	98.22	Inf	-Inf	7.08	3	Horizontal	200	1.71	-	91.14	32.00	9.04	33.96
PK	6.0226G	58.35	68.20	-9.85	7.54	3	Horizontal	200	1.71	-	50.81	32.35	9.19	34.00

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5755MHz_TX

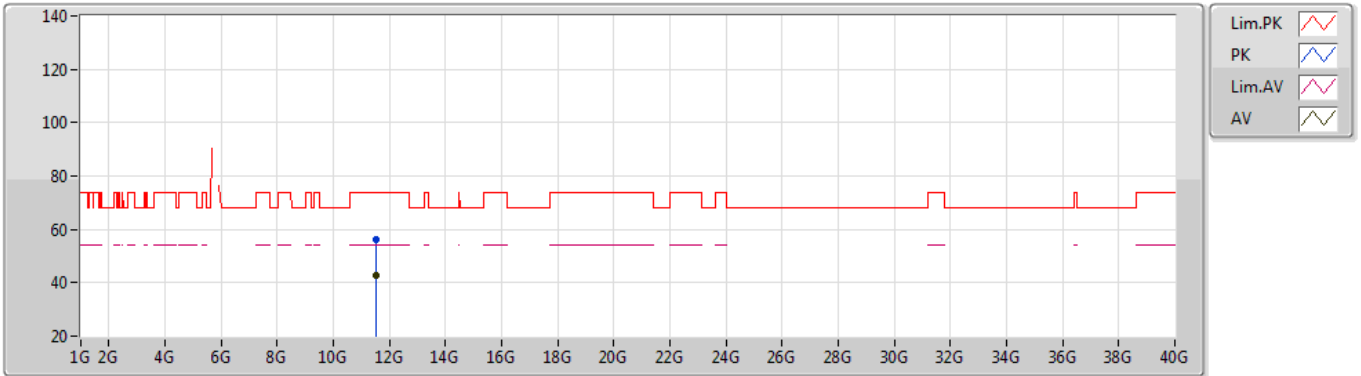


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.51G	44.62	54.00	-9.38	18.98	3	Vertical	192	1.00	-	25.64	39.99	12.76	33.77
PK	11.51011G	56.72	74.00	-17.28	18.98	3	Vertical	192	1.00	-	37.74	39.99	12.76	33.77

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5755MHz_TX

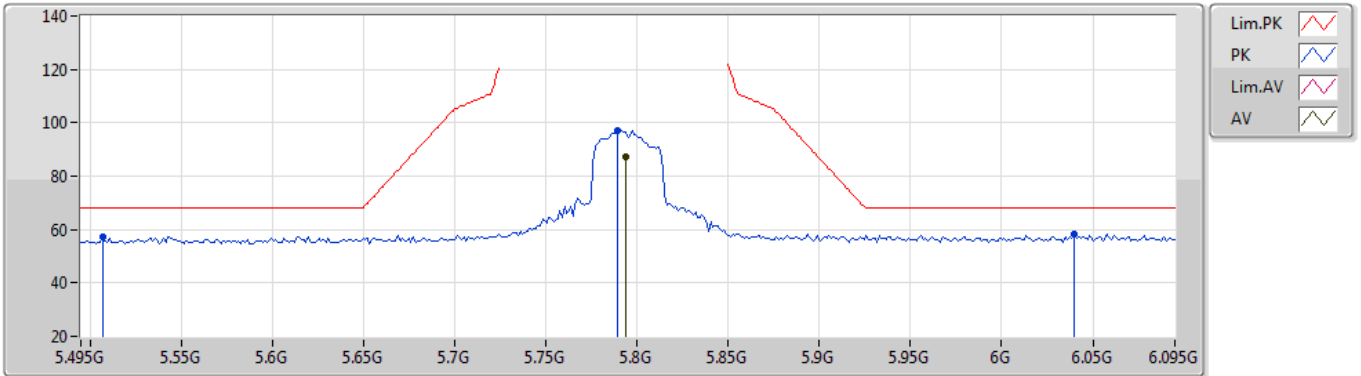


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.51076G	42.55	54.00	-11.45	18.97	3	Horizontal	252	1.49	-	23.58	39.99	12.76	33.78
PK	11.51201G	56.35	74.00	-17.65	18.97	3	Horizontal	252	1.49	-	37.38	39.99	12.76	33.78

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5795MHz_TX

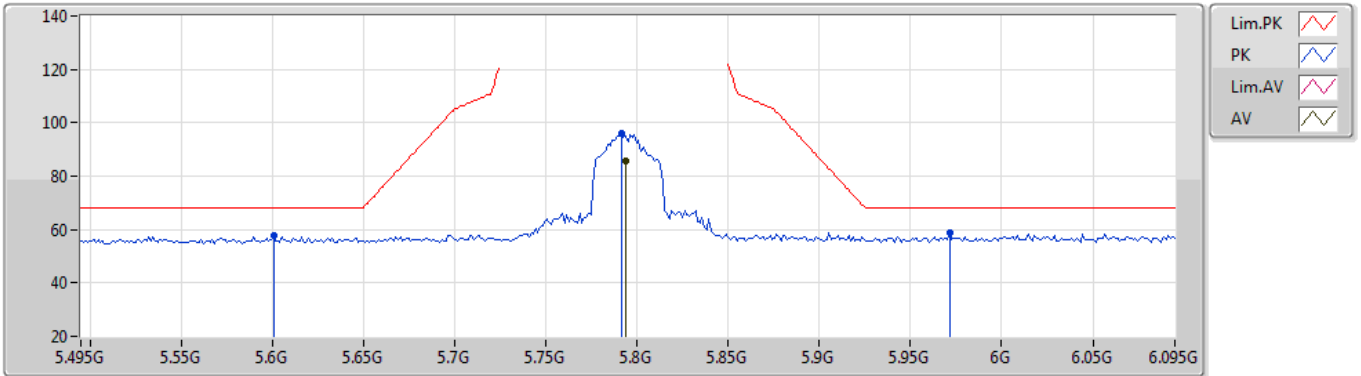


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7938G	87.06	Inf	-Inf	7.10	3	Vertical	7	1.48	-	79.96	32.00	9.07	33.97
PK	5.507G	57.27	68.20	-10.93	6.54	3	Vertical	7	1.48	-	50.73	31.69	8.77	33.92
PK	5.789G	97.23	Inf	-Inf	7.10	3	Vertical	7	1.48	-	90.13	32.00	9.07	33.97
PK	6.0398G	58.23	68.20	-9.97	7.52	3	Vertical	7	1.48	-	50.71	32.32	9.20	34.00

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

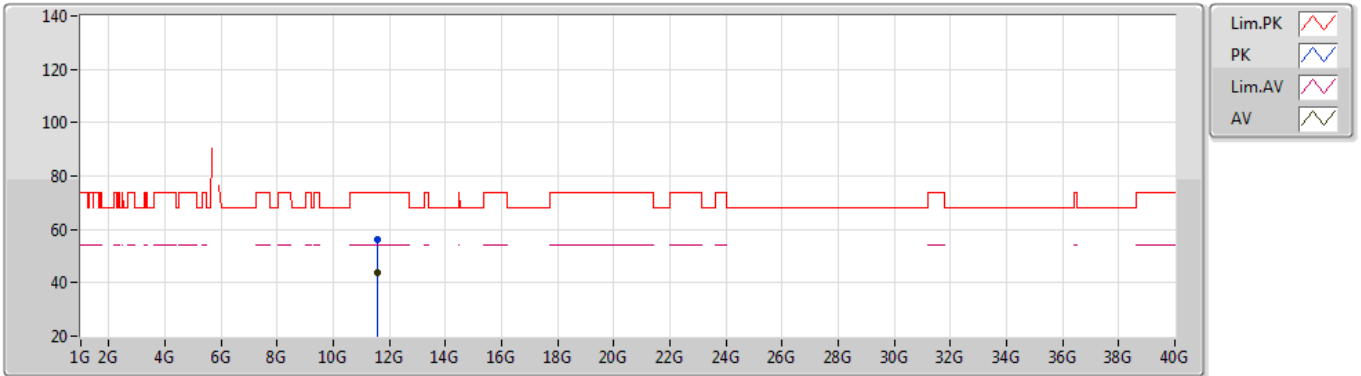
5795MHz_TX



802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5795MHz_TX

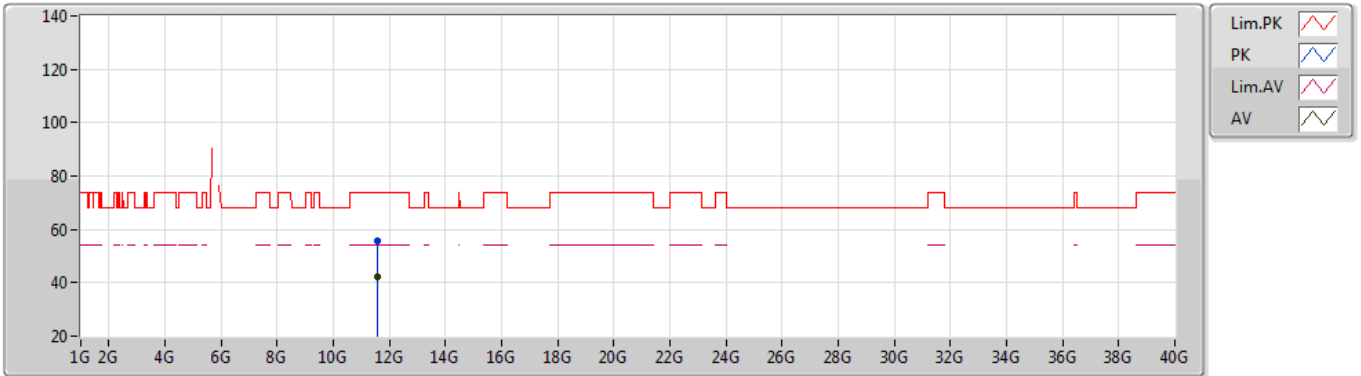


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.58994G	43.63	54.00	-10.37	18.90	3	Vertical	192	1.09	-	24.73	39.91	12.80	33.81
PK	11.57596G	56.26	74.00	-17.74	18.91	3	Vertical	192	1.09	-	37.35	39.92	12.80	33.81

802.11ac VHT40_Nss1,(MCS0)_2TX

18/09/2020

5795MHz_TX

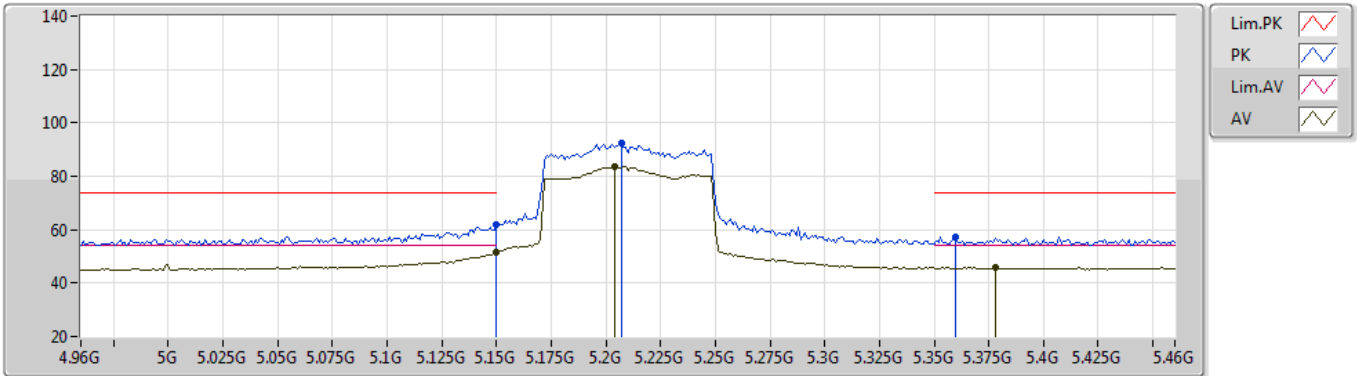


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.59G	42.31	54.00	-11.69	18.90	3	Horizontal	177	1.50	-	23.41	39.91	12.80	33.81
PK	11.58178G	55.88	74.00	-18.12	18.91	3	Horizontal	177	1.50	-	36.97	39.92	12.80	33.81

802.11ac VHT80_Nss1,(MCS0)_2TX

18/09/2020

5210MHz_TX

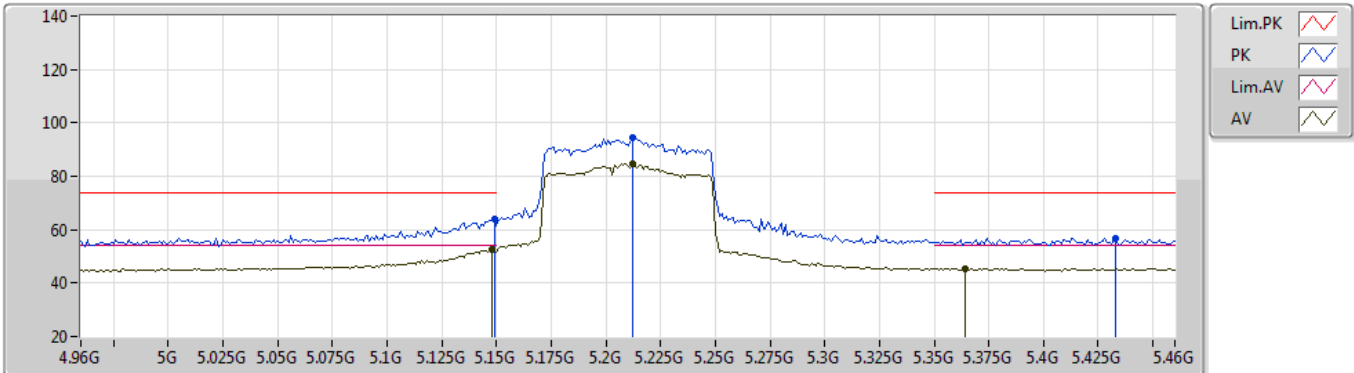


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	51.44	54.00	-2.56	6.38	3	Vertical	14	1.01	-	45.06	31.70	8.52	33.84
AV	5.204G	83.59	Inf	-Inf	6.20	3	Vertical	14	1.01	-	77.39	31.48	8.57	33.85
AV	5.378G	45.95	54.00	-8.05	5.89	3	Vertical	14	1.01	-	40.06	31.17	8.61	33.89
PK	5.15G	62.08	74.00	-11.92	6.38	3	Vertical	14	1.01	-	55.70	31.70	8.52	33.84
PK	5.207G	92.34	Inf	-Inf	6.18	3	Vertical	14	1.01	-	86.16	31.46	8.57	33.85
PK	5.36G	57.38	74.00	-16.62	5.77	3	Vertical	14	1.01	-	51.61	31.06	8.60	33.89

802.11ac VHT80_Nss1,(MCS0)_2TX

18/09/2020

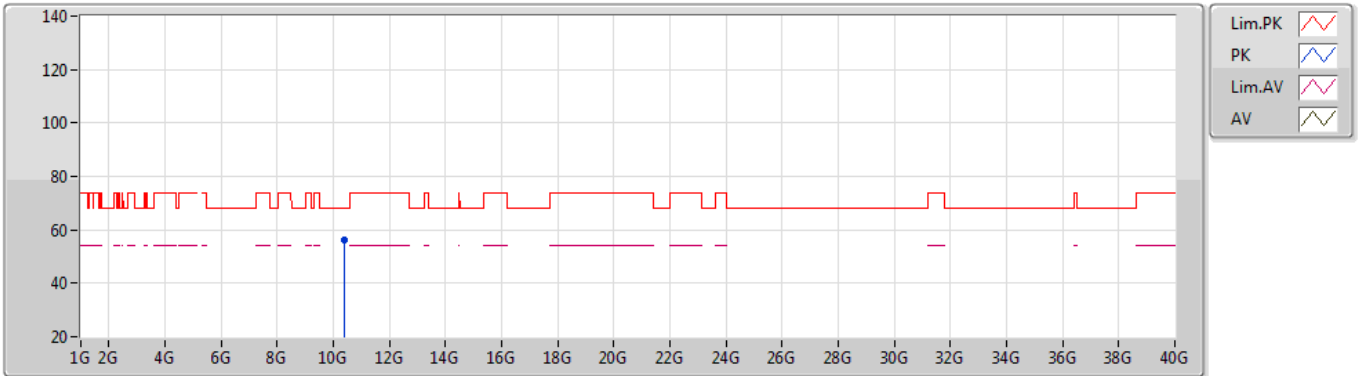
5210MHz_TX



802.11ac VHT80_Nss1,(MCS0)_2TX

18/09/2020

5210MHz_TX

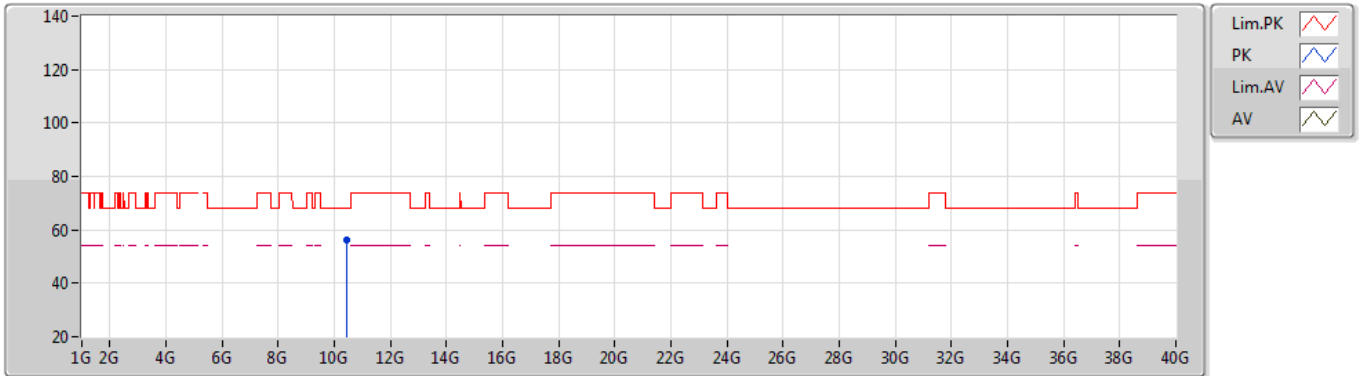


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.41658G	56.12	68.20	-12.08	17.56	3	Vertical	57	2.03	-	38.56	39.53	12.21	34.18

802.11ac VHT80_Nss1,(MCS0)_2TX

18/09/2020

5210MHz_TX

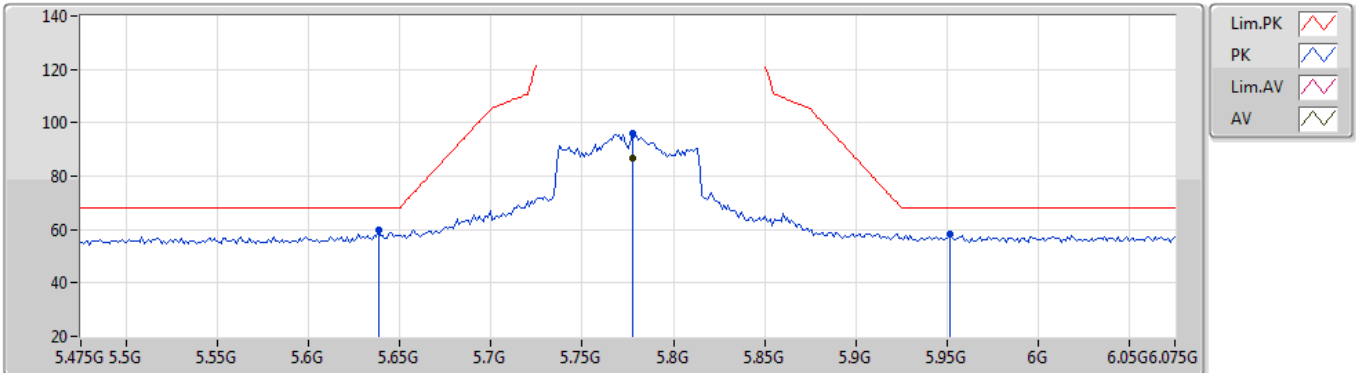


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.42198G	56.21	68.20	-11.99	17.57	3	Horizontal	178	1.18	-	38.64	39.54	12.21	34.18

802.11ac VHT80_Nss1,(MCS0)_2TX

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5775MHz_TX

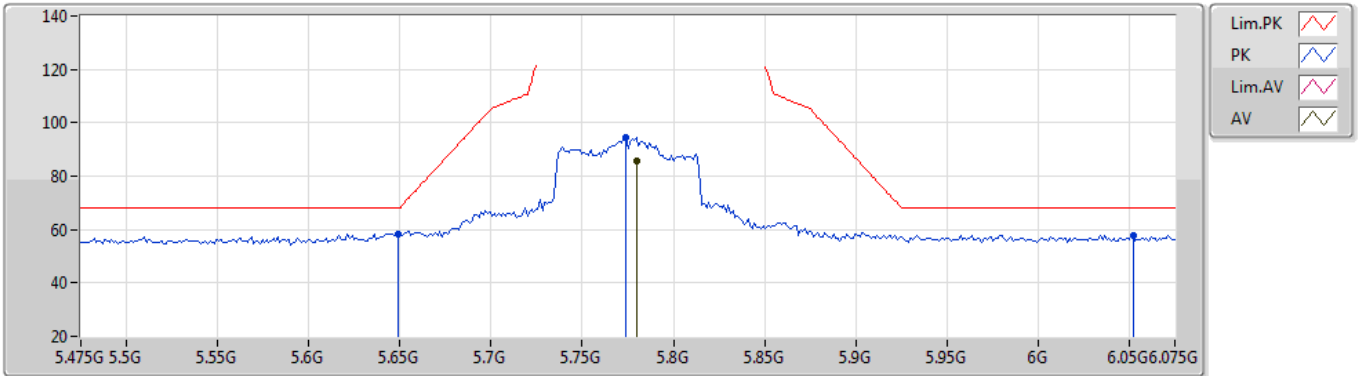


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7774G	86.71	Inf	-Inf	7.10	3	Vertical	8	1.00	-	79.61	32.00	9.06	33.96
PK	5.6382G	59.89	68.20	-8.31	6.67	3	Vertical	8	1.00	-	53.22	31.68	8.93	33.94
PK	5.7774G	96.21	Inf	-Inf	7.10	3	Vertical	8	1.00	-	89.11	32.00	9.06	33.96
PK	5.9514G	58.23	68.20	-9.97	7.46	3	Vertical	8	1.00	-	50.77	32.30	9.15	33.99

802.11ac VHT80_Nss1,(MCS0)_2TX

18/09/2020

5775MHz_TX

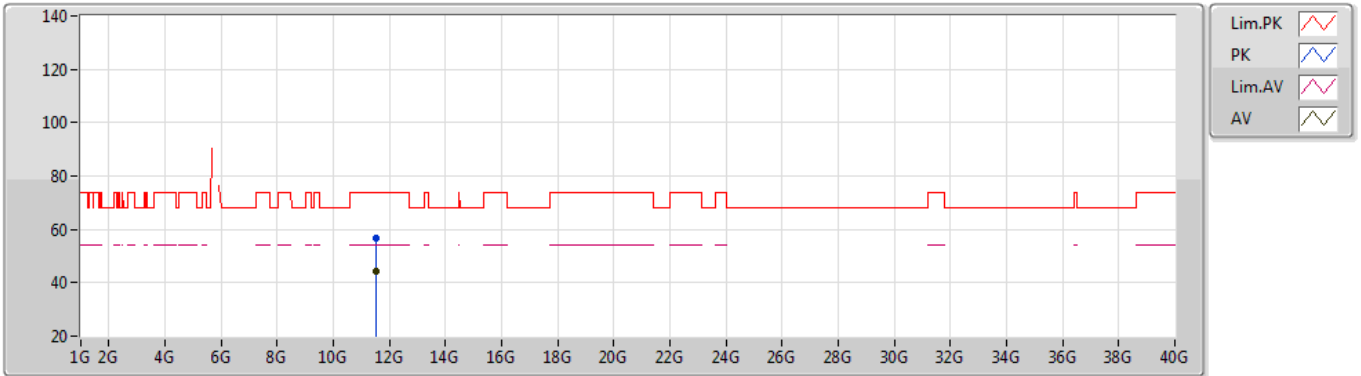


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7798G	85.65	Inf	-Inf	7.10	3	Horizontal	202	1.65	-	78.55	32.00	9.06	33.96
PK	5.649G	58.51	68.20	-9.69	6.70	3	Horizontal	202	1.65	-	51.81	31.70	8.94	33.94
PK	5.7738G	94.55	Inf	-Inf	7.10	3	Horizontal	202	1.65	-	87.45	32.00	9.06	33.96
PK	6.0522G	58.00	68.20	-10.20	7.51	3	Horizontal	202	1.65	-	50.49	32.30	9.21	34.00

802.11ac VHT80_Nss1,(MCS0)_2TX

18/09/2020

5775MHz_TX

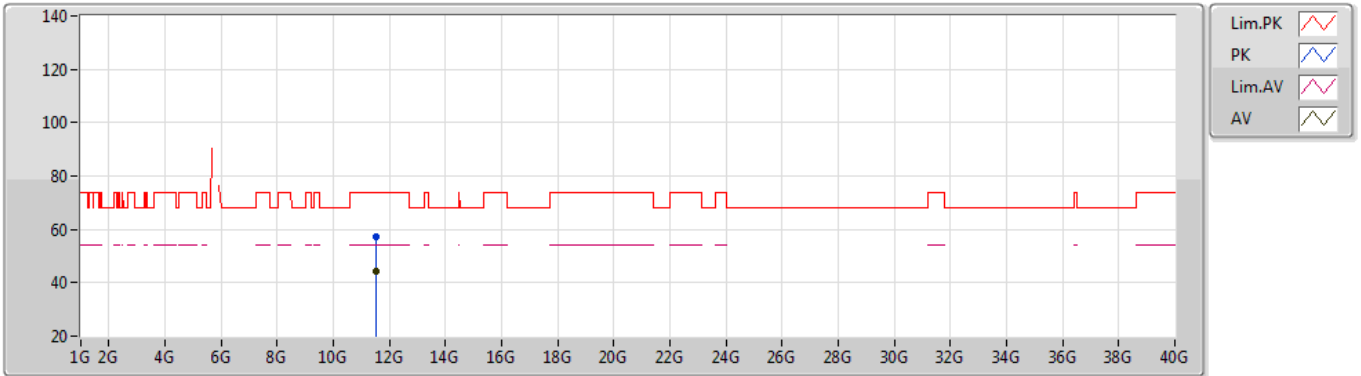


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.53512G	44.44	54.00	-9.56	18.95	3	Vertical	270	2.18	-	25.49	39.96	12.78	33.79
PK	11.54694G	56.82	74.00	-17.18	18.94	3	Vertical	270	2.18	-	37.88	39.95	12.78	33.79

802.11ac VHT80_Nss1,(MCS0)_2TX

18/09/2020

5775MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.54112G	44.40	54.00	-9.60	18.95	3	Horizontal	287	2.29	-	25.45	39.96	12.78	33.79
PK	11.53956G	57.08	74.00	-16.92	18.95	3	Horizontal	287	2.29	-	38.13	39.96	12.78	33.79