FCC Test Report

FCC ID	:	**PPQ-WCBN3509R**
Equipment	:	**802.11a/b/g/n/ac 2Tx2R+BT5.0 USB WLAN Module**
Brand Name	:	**LITE-ON**
Model Name	:	**WCBN3509R, WCBN3509R(AU)**
Applicant	:	**Lite-On Technology Corp. Bldg. C, 90, Chien 1 Road, Chung Ho, New Taipei City 23585, Taiwan, R.O.C**
Manufacturer	:	**LITE-ON TECHNOLOGY (Changzhou) CO., LTD A9 Building,No.88 Yanghu Road, Wujin Hi-Tech Industrial Development Zone ,Changzhou City,**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Aug. 12, 2019, and testing was started from Aug. 20, 2019 and completed on Aug. 23, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR980219AN	01	Initial issue of report	Oct. 07, 2019
FR980219AN	02	Revised typo This report is the latest version replacing for the report issued on Oct. 07, 2019.	Oct. 09, 2019

Summary of Test Result

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

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

Reviewed by: Sam Tsai

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [8]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [3]
Straddle 5710		5710	142 [1]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530	106 [1]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]

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

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

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

1.1.2 Antenna Information

Ant.	Port	Gain (dBi)			Remark
		2.4G	5G	BT	
1	1	**3.74**	**3.8**	**-**	**Group 1**
2	2	**3.74**	**3.8**	**-**	
3	3	**-**	**-**	**3.74**	
4	1	3.74	3.8	-	Group 2
5	2	3.74	3.8	-	
6	3	-	-	3.74	
7	1	3.05	1.59	-	Group 3
8	2	3.05	1.59	-	
9	3	-	-	3.05	
10	1	3.05	1.59	-	Group 4
11	2	3.05	1.59	-	
12	3	-	-	3.05	
13	1	2.38	1.49	-	Group 5
14	2	2.38	1.49	-	
15	3	-	-	2.38	
16	1	1.72	1.25	-	Group 6
17	2	1.72	1.25	-	

Ant.	Port	Gain (dBi)			Remark
		2.4G	5G	BT	
18	3	-	-	1.72	
19	1	-0.5	3.28	-	Group 7
20	2	-1.68	3.08	-	
21	3	-	-	-0.5	

Note 1: The EUT has twenty one antennas.

Note 2: EUT can match with above antennas for using. Group 1 was used to perform the worst configuration and result of that was recorded as the final test result.

For 2.4GHz function:

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

Ant. 1~2, 4~5, 7~8, 10~11, 13~14, 16~17, 19~20 could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 3, 6, 9, 12, 15, 18, 21 could transmit/receive simultaneously.

For 5GHz function:

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

Ant. 1~2, 4~5, 7~8, 10~11, 13~14, 16~17, 19~20 could transmit/receive simultaneously.

1.1.3 EUT Information

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

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.975	0.11	1.392m	1k
802.11ac VHT20	0.975	0.11	1.312m	1k
802.11ac VHT40	0.951	0.22	652.5u	3k
802.11ac VHT80	0.886	0.53	324.375u	10k

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

1.1.5 Table for Multiple Listing

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

Model Name	Description
WCBN3509R	All the models are identical, the difference are "chip model name" and "software".
WCBN3509R(AU)	

Note: The Model Name WCBN3509R(AU) configuration was pretested and found to be the worst case and measured during the test.

1.2 Testing Applied Standards

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

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Dexter Dai	25.4~25.8°C / 58~60%	22/Aug/2019
Radiated	03CH09-HY	Lego Lin	22.3~23.9°C / 51.1~55.6%	20/Aug/2019~ 22/Aug/2019
AC Conduction	CO04-HY	Edward Wang	23.1~25.4°C / 63.5~67.9%	23/Aug/2019

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software Version	MT7668 QA_0.0.1.98

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	22
5200MHz	22
5240MHz	22
5260MHz	20
5300MHz	21
5320MHz	21
5500MHz	21
5580MHz	20
5700MHz	1F
5720MHz Straddle 5.47-5.725GHz	20
5720MHz Straddle 5.725-5.85GHz	20
5745MHz	21
5785MHz	22
5825MHz	20
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	24
5200MHz	24
5240MHz	23
5260MHz	23
5300MHz	23
5320MHz	20
5500MHz	22
5580MHz	23

Mode	Power Setting
5700MHz	20
5720MHz Straddle 5.47-5.725GHz	22
5720MHz Straddle 5.725-5.85GHz	22
5745MHz	24
5785MHz	21
5825MHz	24
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	1D
5230MHz	24
5270MHz	24
5310MHz	1D
5510MHz	1D
5550MHz	24
5670MHz	22
5710MHz Straddle 5.47-5.725GHz	24
5710MHz Straddle 5.725-5.85GHz	24
5755MHz	24
5795MHz	24
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	14
5290MHz	19
5530MHz	18
5690MHz Straddle 5.47-5.725GHz	24
5690MHz Straddle 5.725-5.85GHz	24
5775MHz	24

2.3 The Worst Case Measurement Configuration

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

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
Refer to Sporton Test Report No.: FA980219 for Co-location RF Exposure Evaluation.	

2.4 Support Equipment

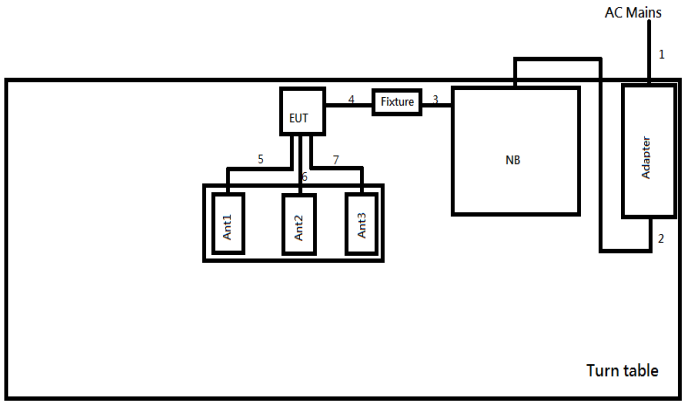
Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Power Cable	Power sync	PW-GPC180-3	N/A
2	Notebook	Dell	E4300	N/A
3	Adapter	DELL	LA90PM111	N/A
4	Fixture	LITE-ON	TB001	N/A
5	Antenna	N/A	N/A	N/A

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	AC Power Source	GW	APS-9102	N/A
4	Fixture	Lite-on	TB001	N/A

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Power Cable	Power sync	PW-GPC180-3	N/A
2	Notebook	Dell	E4300	N/A
3	Adapter	DELL	LA90PM111	N/A
4	Fixture	LITE-ON	TB001	N/A
5	Antenna	N/A	N/A	N/A

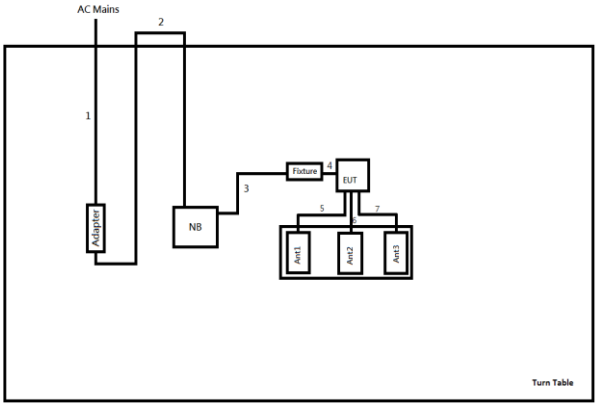
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	2.0	-
3	USB Cable	No	0.1	-
4	DATA Cable	No	0.05	-
5	RF Cable	No	0.3	-
6	RF Cable	No	0.3	-
7	RF Cable	No	0.3	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	2.0	-
3	USB Cable	No	0.1	-
4	DATA Cable	No	0.05	-
5	RF Cable	No	0.3	-
6	RF Cable	No	0.3	-
7	RF Cable	No	0.3	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

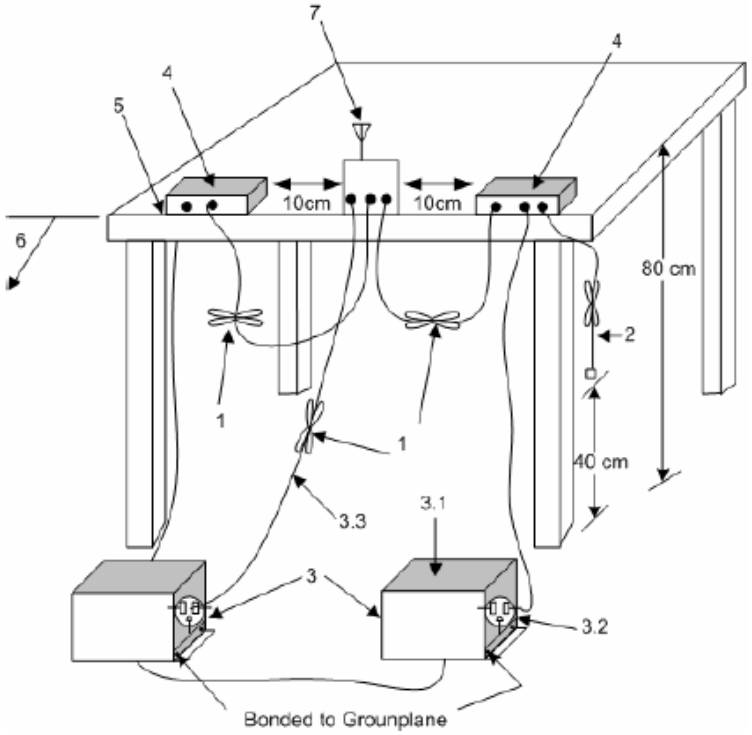
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

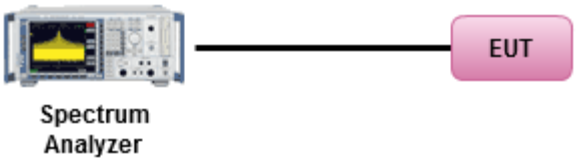
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

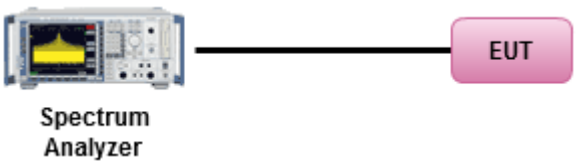
3.3.2 Measuring Instruments

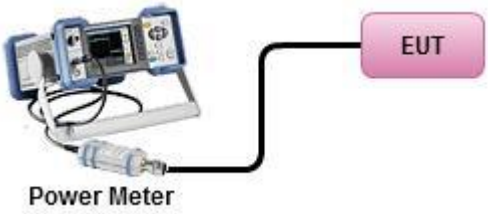
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

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

3.3.4 Test Setup

RF Output Power (Spectrum Analyzer)


RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

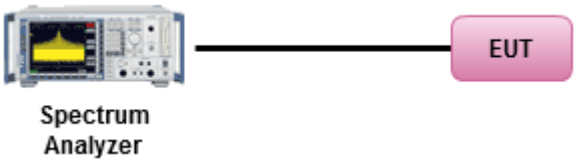
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

3.5.2 Measuring Instruments

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

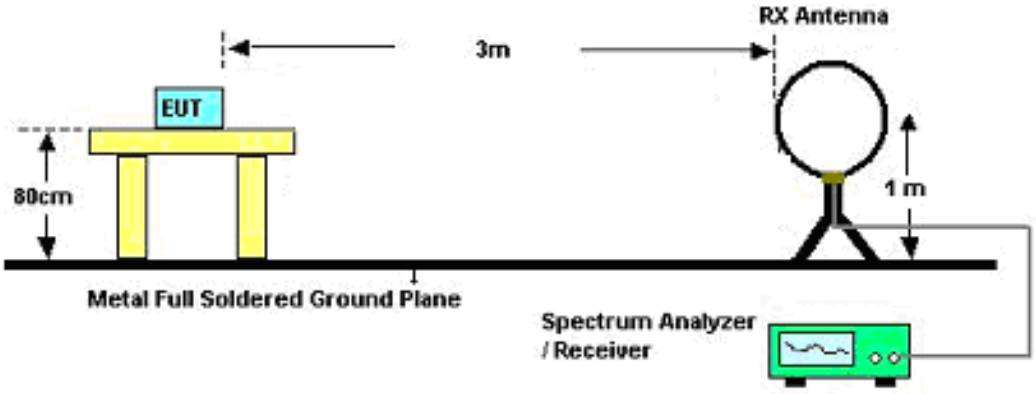
3.5.3 Test Procedures

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

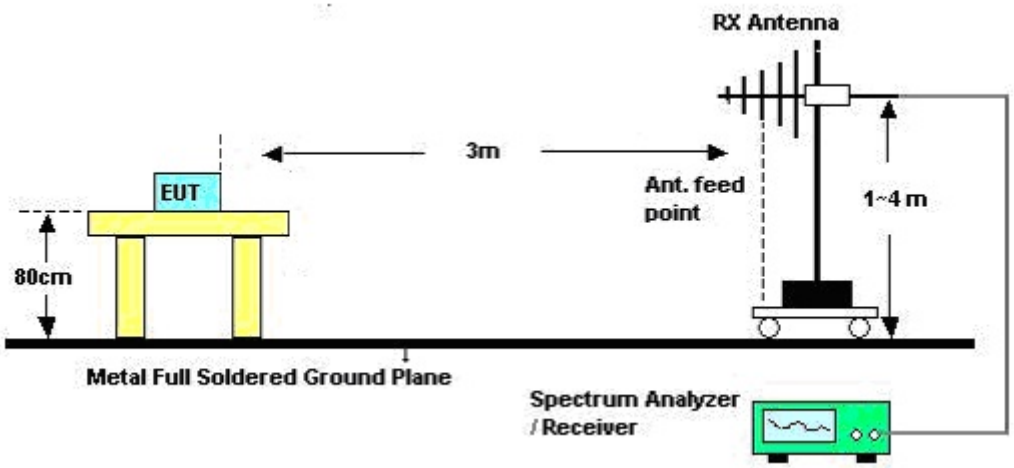
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

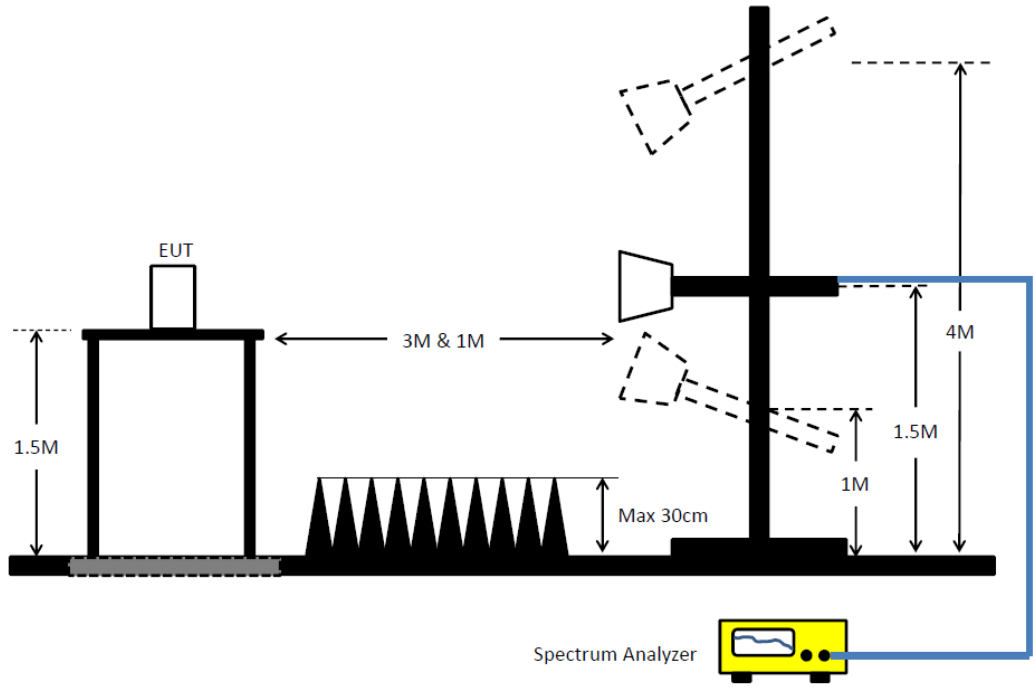
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	08/Nov/2018	07/Nov/2019
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	17/Sep/2018	16/Sep/2019
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Puls e Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2018	11/Oct/2019

NCR : Non-Calibration Require.

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	22/Apr/2019	21/Apr/2020
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	13/Jun/2019	12/Jun/2020
Microwave System Premplifier	KEYSIGHT	87422A	MY53270197	1GHz ~ 18GHz	30/Nov/2018	29/Nov/2019
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	22/Apr/2019	21/Apr/2020
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
Spectrum Analyzer	R&S	FSP30	100793	9 kHz ~ 30GHz	05/Jun/2019	04/Jun/2020
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	02/Oct/2018	03/Oct/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	22/May/2019	21/May/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	22/May/2019	21/May/2020
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	15/Mar/2019	14/Mar/2020
LF-CABLE-2019 0218	Jye Bao	RG142	CB028	9kHz ~ 1GHz	18/Feb/2019	17/Feb/2020
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	13/Mar/2019	12/Mar/2020

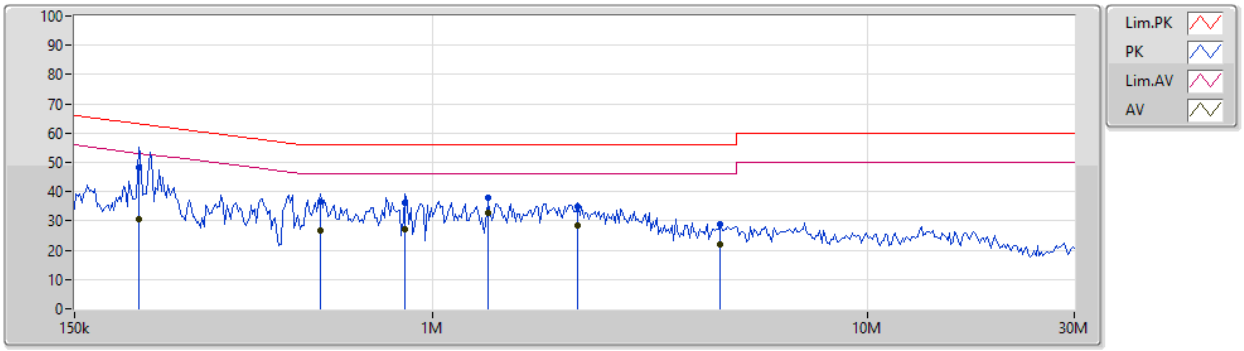
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	13/Mar/2019	12/Mar/2020
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.5m	HUBER	MY39470/4	RF Cable - 29	30MHz ~18G	10/Jan/2019	09/Jan/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

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

AC Conduction

23/08/2019

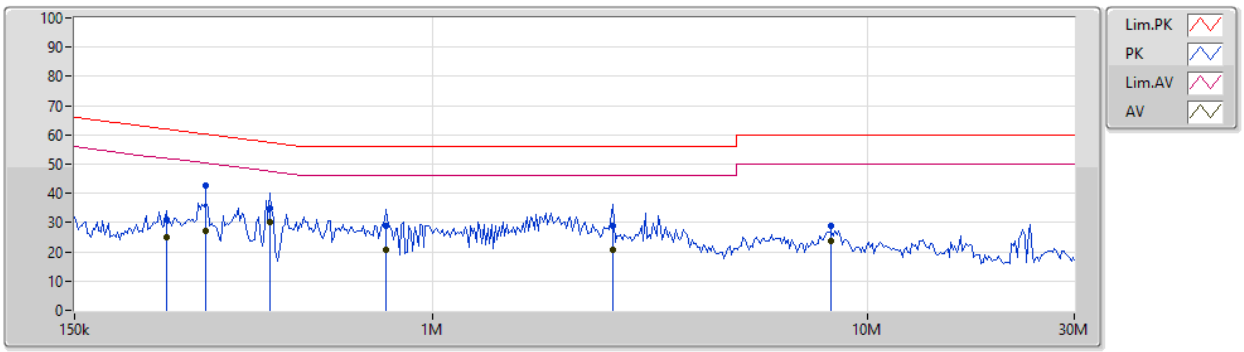


Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	210.387k	48.20	63.19	-14.99	19.47	Neutral	-	28.73	9.59	0.01	9.87
AV	210.387k	30.73	53.19	-22.46	19.47	Neutral	-	11.26	9.59	0.01	9.87
QP	552.321k	36.77	56.00	-19.23	19.48	Neutral	-	17.29	9.59	0.01	9.88
AV	552.321k	26.67	46.00	-19.33	19.48	Neutral	-	7.19	9.59	0.01	9.88
QP	864.277k	36.09	56.00	-19.91	19.49	Neutral	-	16.60	9.59	0.02	9.88
AV	864.277k	27.17	46.00	-18.83	19.49	Neutral	-	7.68	9.59	0.02	9.88
QP	1.339M	37.88	56.00	-18.12	19.51	Neutral	-	18.37	9.60	0.03	9.88
AV	1.339M	32.85	46.00	-13.15	19.51	Neutral	"Worst"	13.34	9.60	0.03	9.88
QP	2.159M	34.73	56.00	-21.27	19.53	Neutral	-	15.20	9.61	0.03	9.89
AV	2.159M	28.35	46.00	-17.65	19.53	Neutral	-	8.82	9.61	0.03	9.89
QP	4.599M	28.94	56.00	-27.06	19.56	Neutral	-	9.38	9.62	0.05	9.89
AV	4.599M	21.85	46.00	-24.15	19.56	Neutral	-	2.29	9.62	0.05	9.89

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

AC Conduction

23/08/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	244.252k	31.00	61.95	-30.95	19.48	Line	-	11.52	9.60	0.01	9.87
AV	244.252k	24.87	51.95	-27.08	19.48	Line	-	5.39	9.60	0.01	9.87
QP	301.015k	42.87	60.21	-17.34	19.48	Line	-	23.39	9.59	0.01	9.88
AV	301.015k	27.34	50.21	-22.87	19.48	Line	-	7.86	9.59	0.01	9.88
QP	422.196k	35.04	57.40	-22.36	19.48	Line	-	15.56	9.59	0.01	9.88
AV	422.196k	30.31	47.40	-17.09	19.48	Line	"Worst"	10.83	9.59	0.01	9.88
QP	782.419k	28.83	56.00	-27.17	19.50	Line	-	9.33	9.60	0.02	9.88
AV	782.419k	20.89	46.00	-25.11	19.50	Line	-	1.39	9.60	0.02	9.88
QP	2.608M	28.78	56.00	-27.22	19.55	Line	-	9.23	9.62	0.04	9.89
AV	2.608M	20.66	46.00	-25.34	19.55	Line	-	1.11	9.62	0.04	9.89
QP	8.272M	29.02	60.00	-30.98	19.61	Line	-	9.41	9.66	0.06	9.89
AV	8.272M	23.78	50.00	-26.22	19.61	Line	-	4.17	9.66	0.06	9.89

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	31.32M	16.762M	16M8D1D	26.55M	16.432M
802.11ac VHT20_Nss1,(MCS0)_2TX	30.45M	17.721M	17M7D1D	27.15M	17.631M
802.11ac VHT40_Nss1,(MCS0)_2TX	69.9M	36.282M	36M3D1D	40.2M	36.042M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.84M	75.802M	75M8D1D	80.4M	75.802M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	32.49M	16.732M	16M7D1D	26.64M	16.402M
802.11ac VHT20_Nss1,(MCS0)_2TX	30.78M	17.751M	17M8D1D	19.98M	17.541M
802.11ac VHT40_Nss1,(MCS0)_2TX	71.76M	36.402M	36M4D1D	40.26M	36.042M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.96M	75.922M	75M9D1D	80.52M	75.682M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	29.73M	16.642M	16M6D1D	17.25M	13.163M
802.11ac VHT20_Nss1,(MCS0)_2TX	31.98M	17.811M	17M8D1D	15.84M	13.763M
802.11ac VHT40_Nss1,(MCS0)_2TX	73.08M	36.522M	36M5D1D	40.38M	32.954M
802.11ac VHT80_Nss1,(MCS0)_2TX	129.3M	75.922M	75M9D1D	80.64M	72.864M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	15.12M	16.582M	16M6D1D	2.92M	4.538M
802.11ac VHT20_Nss1,(MCS0)_2TX	15.93M	17.721M	17M7D1D	2.56M	4.858M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.34M	36.402M	36M4D1D	3.14M	17.111M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.72M	76.282M	76M3D1D	3.18M	33.463M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% 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_TnomVnom	Pass	Inf	29.49M	16.582M	26.55M	16.432M
5200MHz_TnomVnom	Pass	Inf	31.32M	16.702M	27M	16.492M
5240MHz_TnomVnom	Pass	Inf	30.03M	16.762M	29.25M	16.552M
5260MHz_TnomVnom	Pass	Inf	32.49M	16.732M	27M	16.522M
5300MHz_TnomVnom	Pass	Inf	29.64M	16.642M	26.64M	16.402M
5320MHz_TnomVnom	Pass	Inf	29.85M	16.672M	28.53M	16.462M
5500MHz_TnomVnom	Pass	Inf	29.73M	16.642M	27.15M	16.522M
5580MHz_TnomVnom	Pass	Inf	28.89M	16.582M	25.83M	16.462M
5700MHz_TnomVnom	Pass	Inf	24.81M	16.462M	22.74M	16.372M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	18.285M	13.238M	17.25M	13.163M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	2.92M	4.538M	3.14M	4.538M
5745MHz_TnomVnom	Pass	500k	15.06M	16.522M	15.09M	16.462M
5785MHz_TnomVnom	Pass	500k	15.12M	16.582M	15.09M	16.522M
5825MHz_TnomVnom	Pass	500k	15.12M	16.582M	15.06M	16.522M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	30.45M	17.721M	27.15M	17.631M
5200MHz_TnomVnom	Pass	Inf	30.42M	17.721M	28.95M	17.631M
5240MHz_TnomVnom	Pass	Inf	29.61M	17.691M	27.18M	17.631M
5260MHz_TnomVnom	Pass	Inf	30.78M	17.691M	25.89M	17.601M
5300MHz_TnomVnom	Pass	Inf	30.57M	17.751M	27.24M	17.631M
5320MHz_TnomVnom	Pass	Inf	25.29M	17.631M	19.98M	17.541M
5500MHz_TnomVnom	Pass	Inf	29.61M	17.691M	27.3M	17.631M
5580MHz_TnomVnom	Pass	Inf	31.98M	17.811M	31.74M	17.721M
5700MHz_TnomVnom	Pass	Inf	21.78M	17.601M	21.24M	17.541M
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	15.84M	13.763M	16.86M	13.778M
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	2.56M	4.898M	3.16M	4.858M
5745MHz_TnomVnom	Pass	500k	15.03M	17.661M	15.9M	17.661M
5785MHz_TnomVnom	Pass	500k	15.09M	17.601M	15.66M	17.571M
5825MHz_TnomVnom	Pass	500k	15.09M	17.691M	15.93M	17.721M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	40.5M	36.042M	40.2M	36.042M
5230MHz_TnomVnom	Pass	Inf	69.9M	36.282M	47.64M	36.162M
5270MHz_TnomVnom	Pass	Inf	71.76M	36.402M	47.34M	36.222M
5310MHz_TnomVnom	Pass	Inf	40.62M	36.042M	40.26M	36.102M
5510MHz_TnomVnom	Pass	Inf	40.56M	36.102M	40.38M	36.162M
5550MHz_TnomVnom	Pass	Inf	73.08M	36.522M	67.86M	36.402M
5670MHz_TnomVnom	Pass	Inf	72M	36.342M	48.48M	36.342M
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	50.435M	33.023M	45.675M	32.954M
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.14M	17.151M	3.16M	17.111M
5755MHz_TnomVnom	Pass	500k	35.04M	36.402M	34.44M	36.282M
5795MHz_TnomVnom	Pass	500k	35.1M	36.342M	35.34M	36.282M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	Inf	81.84M	75.802M	80.4M	75.802M

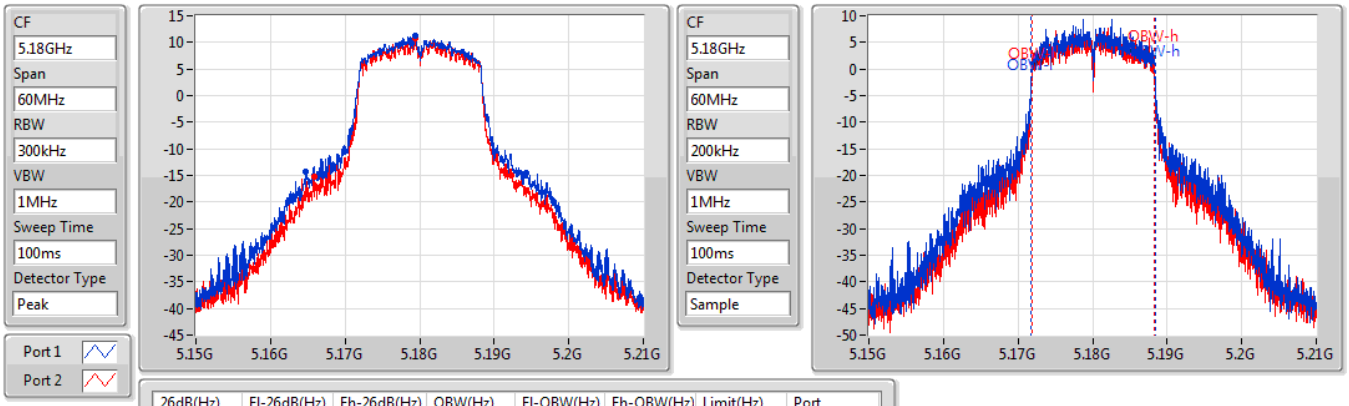
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5290MHz_TnomVnom	Pass	Inf	81.96M	75.922M	80.52M	75.682M
5530MHz_TnomVnom	Pass	Inf	81.84M	75.922M	80.64M	75.802M
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	Inf	129.3M	73.163M	105.375M	72.864M
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	500k	3.18M	34.763M	3.18M	33.463M
5775MHz_TnomVnom	Pass	500k	75.12M	76.282M	75.72M	76.162M

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

22/08/2019

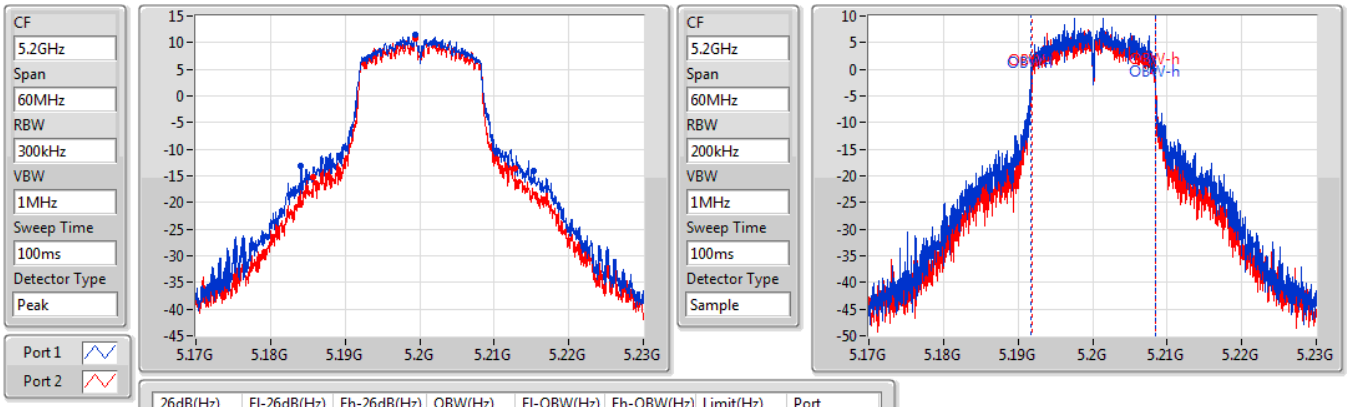


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.49M	5.16476G	5.19425G	16.582M	5.171784G	5.188366G	Inf	1
26.55M	5.16581G	5.19236G	16.432M	5.171844G	5.188276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

22/08/2019

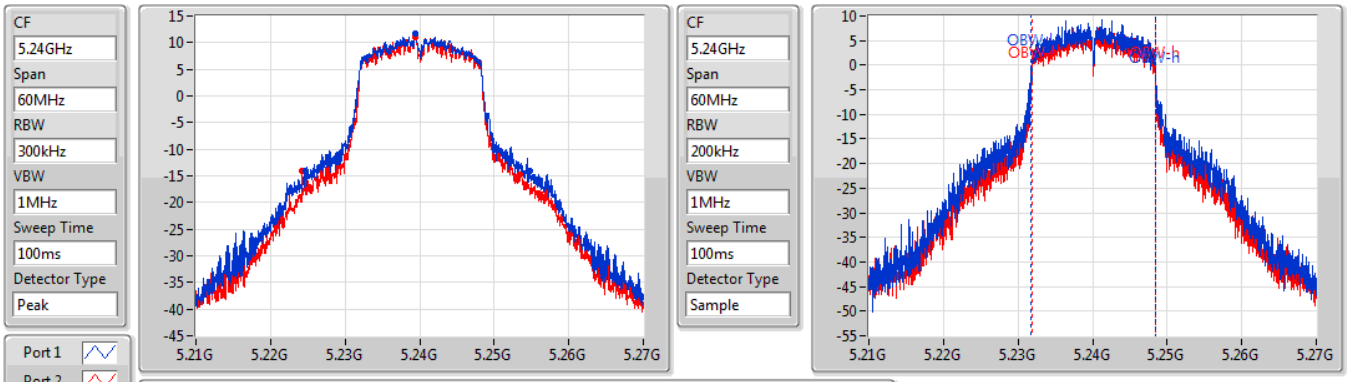


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.32M	5.18401G	5.21533G	16.702M	5.191754G	5.208456G	Inf	1
27M	5.18578G	5.21278G	16.492M	5.191874G	5.208366G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

22/08/2019

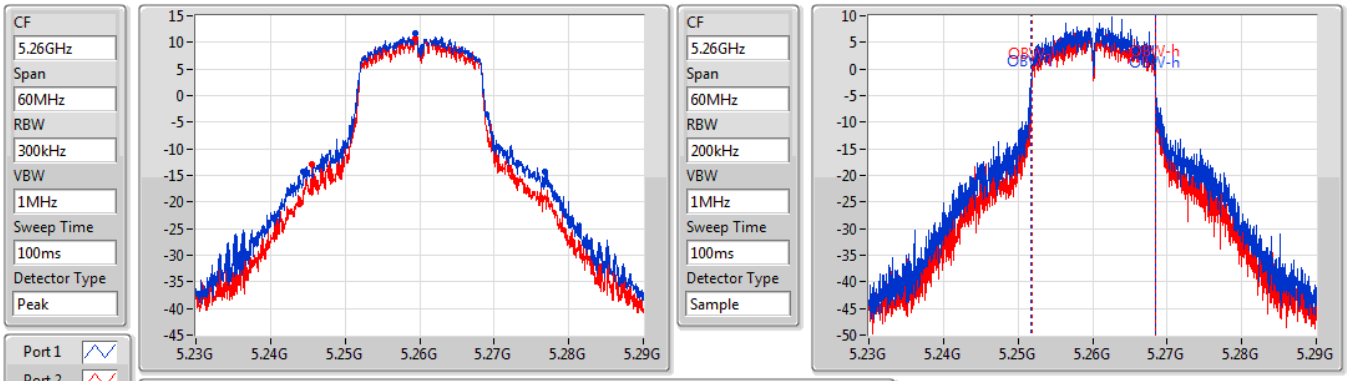


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.03M	5.22473G	5.25476G	16.762M	5.231754G	5.248516G	Inf	1
29.25M	5.22419G	5.25344G	16.552M	5.231844G	5.248396G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5260MHz

22/08/2019

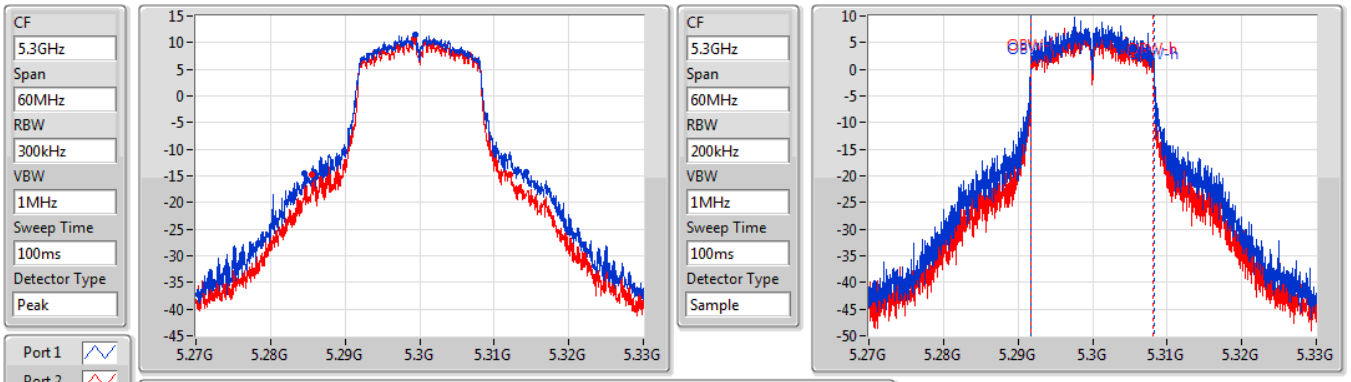


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.49M	5.24434G	5.27683G	16.732M	5.251754G	5.268486G	Inf	1
27M	5.24548G	5.27248G	16.522M	5.251874G	5.268396G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5300MHz

22/08/2019

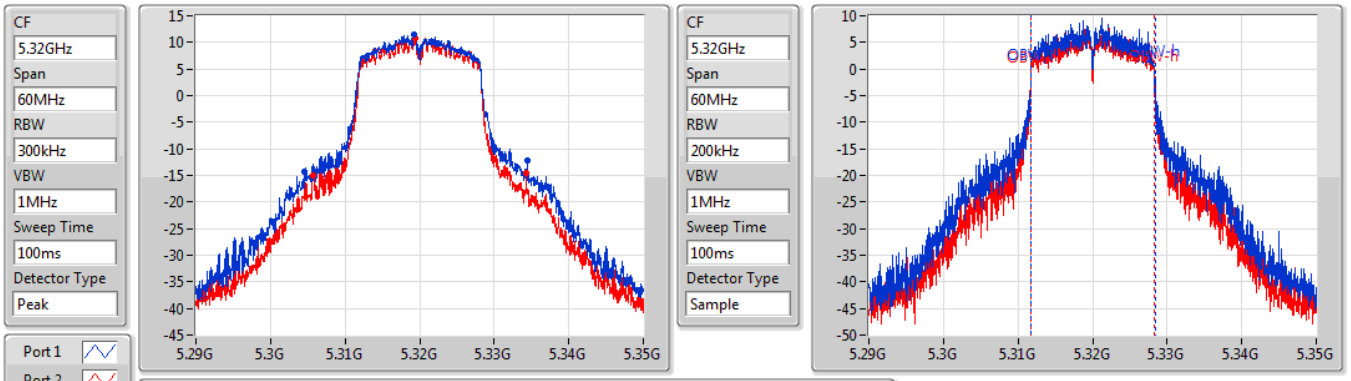


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.64M	5.28461G	5.31425G	16.642M	5.291664G	5.308306G	Inf	1
26.64M	5.28554G	5.31218G	16.402M	5.291784G	5.308186G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5320MHz

22/08/2019

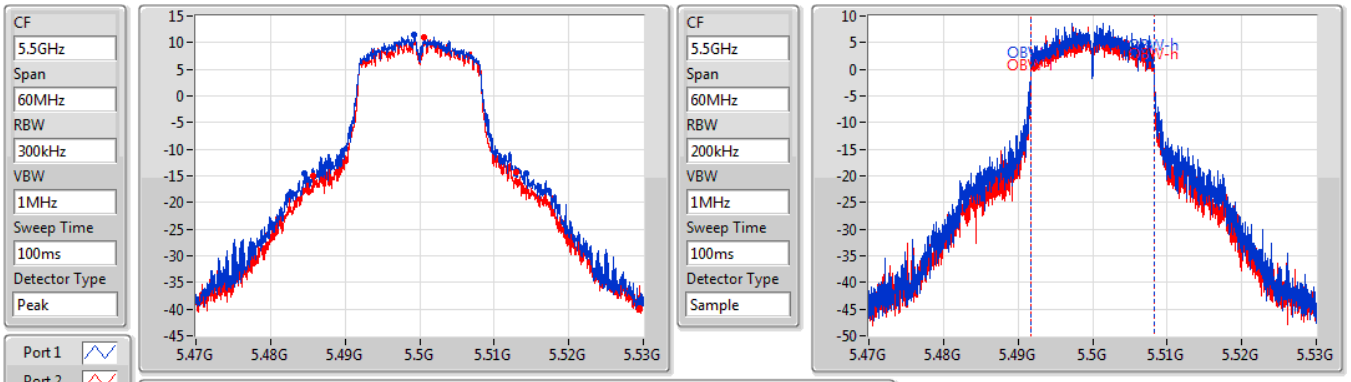


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.85M	5.30461G	5.33446G	16.672M	5.311694G	5.328366G	Inf	1
28.53M	5.30578G	5.33431G	16.462M	5.311754G	5.328216G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5500MHz

22/08/2019

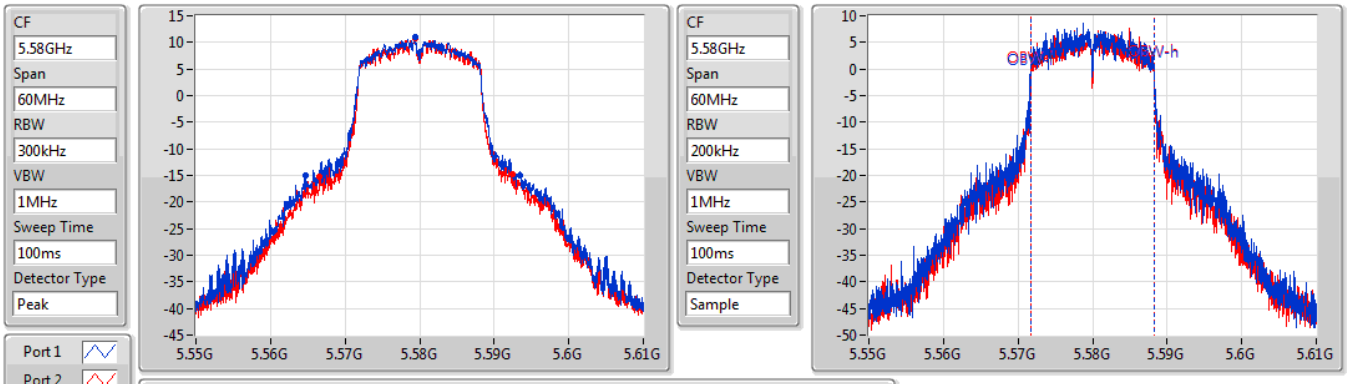


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.73M	5.48461G	5.51434G	16.642M	5.491664G	5.508306G	Inf	1
27.15M	5.48575G	5.5129G	16.522M	5.491724G	5.508246G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5580MHz

22/08/2019

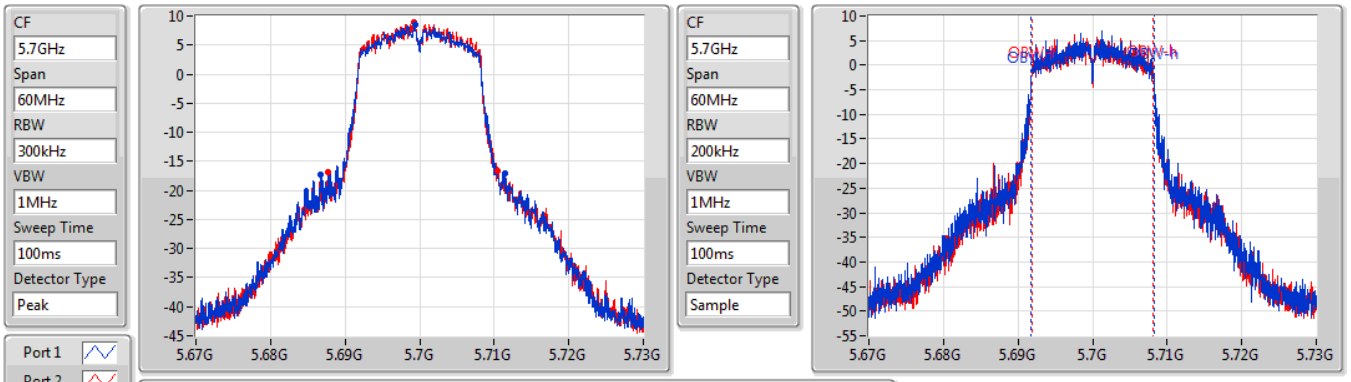


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.89M	5.56464G	5.59353G	16.582M	5.571694G	5.588276G	Inf	1
25.83M	5.56662G	5.59245G	16.462M	5.571754G	5.588216G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5700MHz

22/08/2019

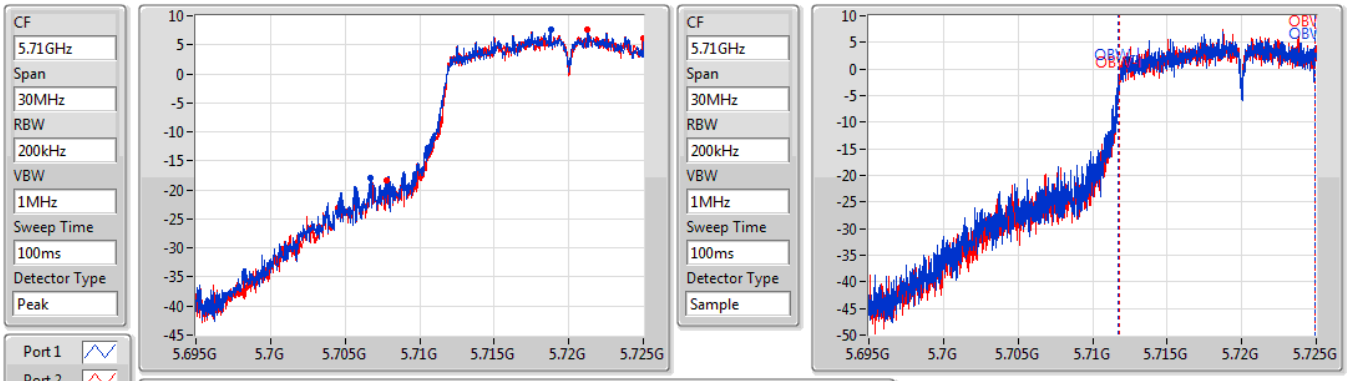


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.81M	5.68671G	5.71152G	16.462M	5.691754G	5.708216G	Inf	1
22.74M	5.68773G	5.71047G	16.372M	5.691814G	5.708186G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5720MHz Straddle 5.47-5.725GHz

22/08/2019

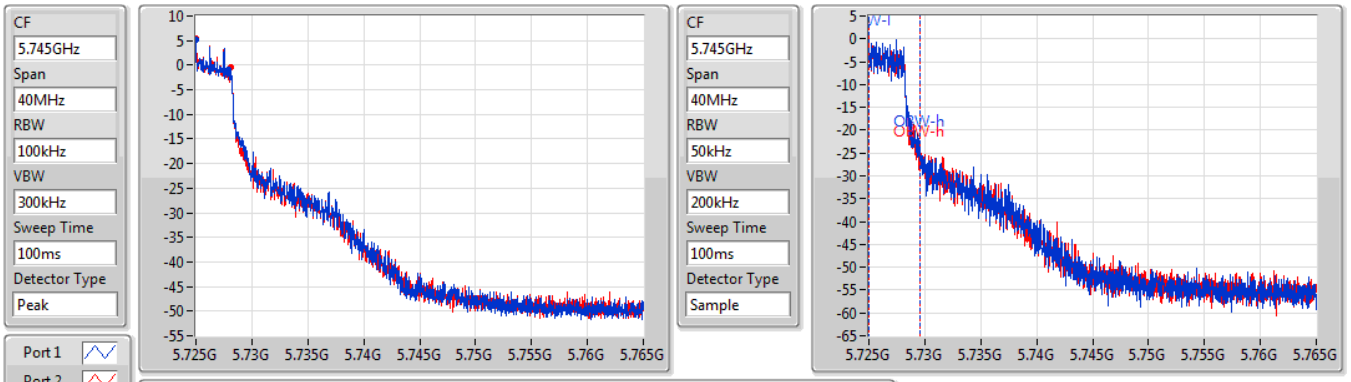


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.285M	5.706715G	5.725G	13.238M	5.711694G	5.724933G	Inf	1
17.25M	5.70775G	5.725G	13.163M	5.711769G	5.724933G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5720MHz Straddle 5.725-5.85GHz

22/08/2019

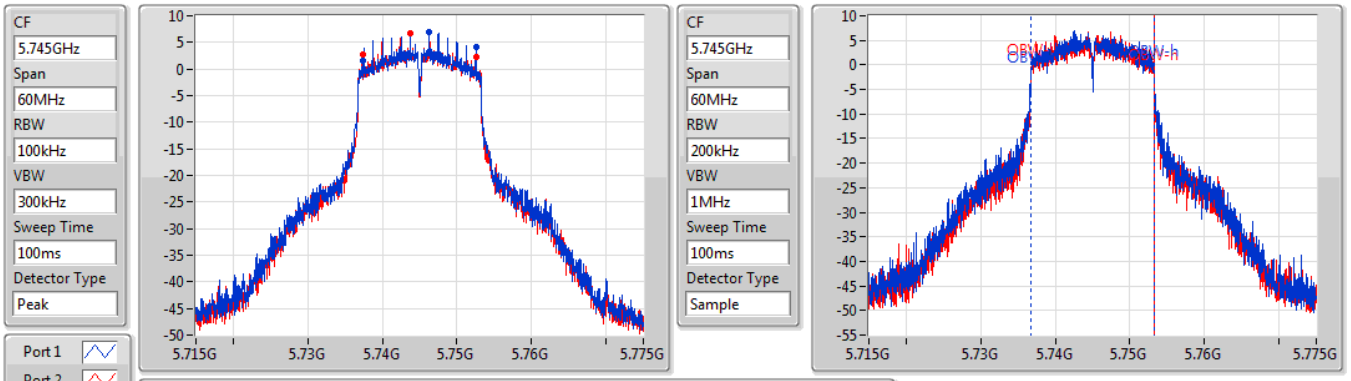


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.92M	5.725G	5.72792G	4.538M	5.72501G	5.729548G	500k	1
3.14M	5.725G	5.72814G	4.538M	5.72501G	5.729548G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

22/08/2019

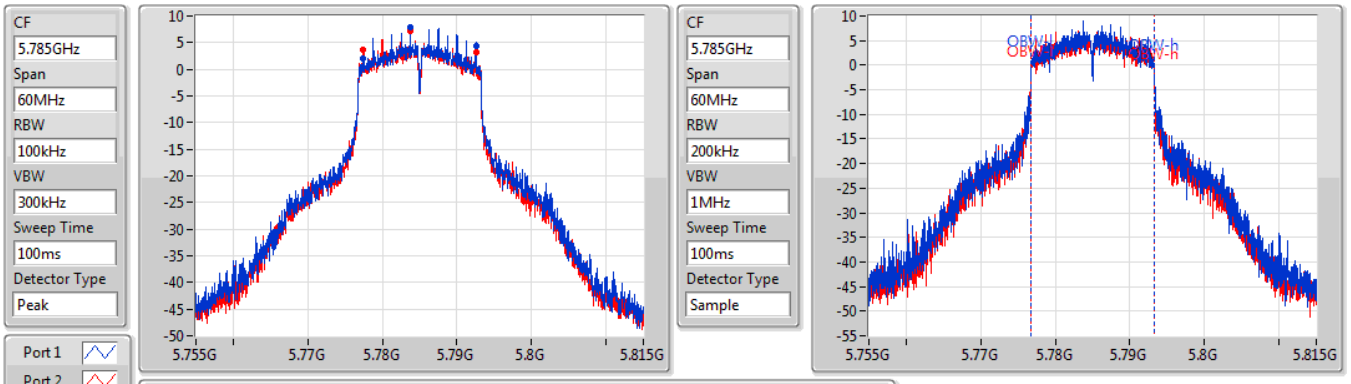


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.06M	5.73747G	5.75253G	16.522M	5.736724G	5.753246G	500k	1
15.09M	5.73747G	5.75256G	16.462M	5.736754G	5.753216G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

22/08/2019

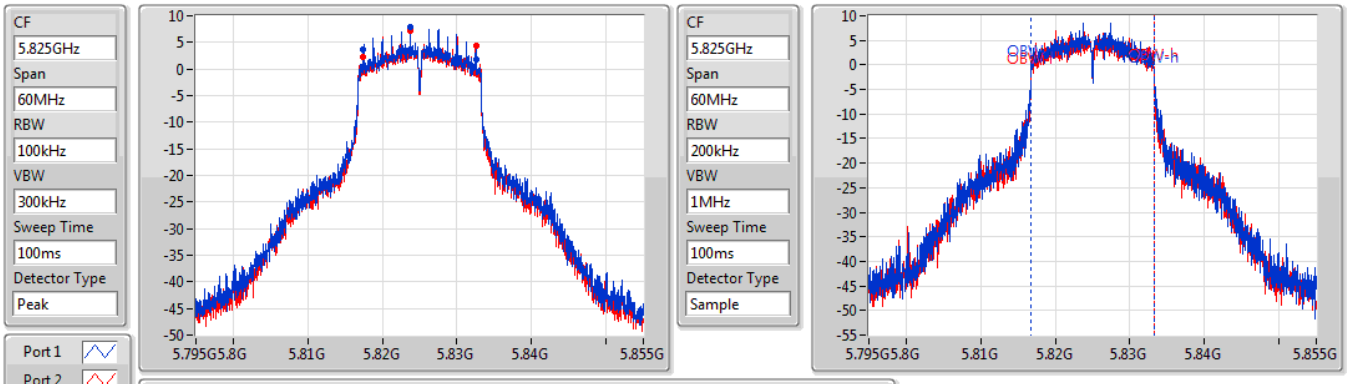


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.12M	5.77744G	5.79256G	16.582M	5.776724G	5.793306G	500k	1
15.09M	5.77747G	5.79256G	16.522M	5.776724G	5.793246G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

22/08/2019

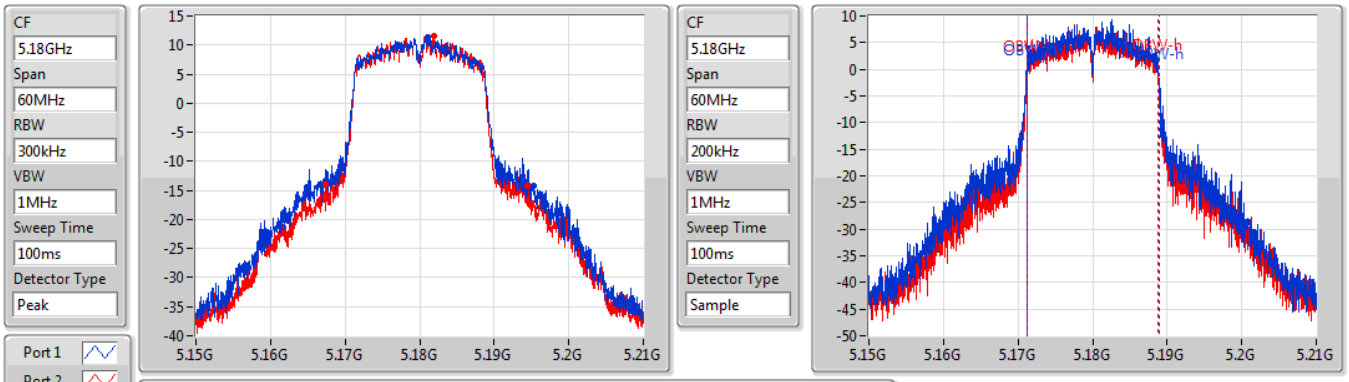


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.12M	5.81747G	5.83259G	16.582M	5.816724G	5.833306G	500k	1
15.06M	5.81747G	5.83253G	16.522M	5.816724G	5.833246G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

22/08/2019

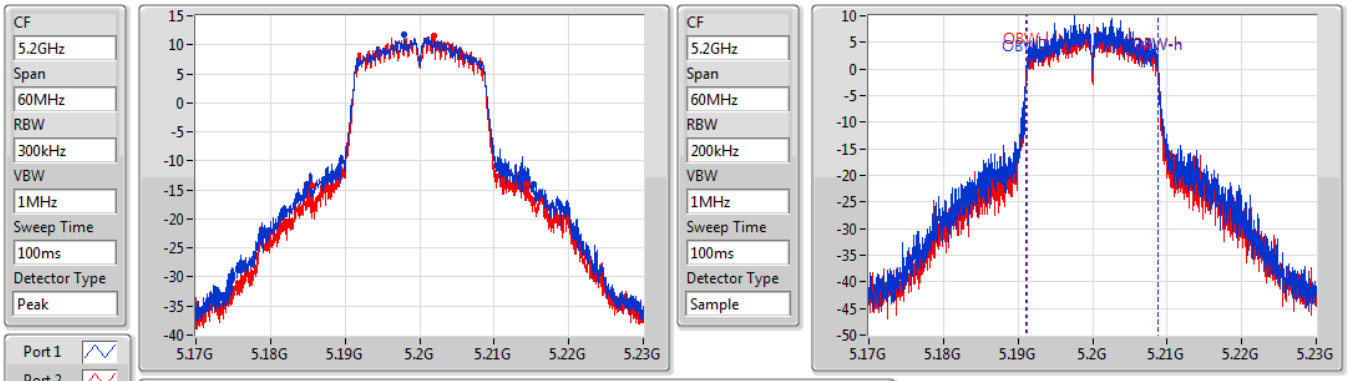


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.45M	5.16491G	5.19536G	17.721M	5.171154G	5.188876G	Inf	1
27.15M	5.16734G	5.19449G	17.631M	5.171184G	5.188816G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

22/08/2019

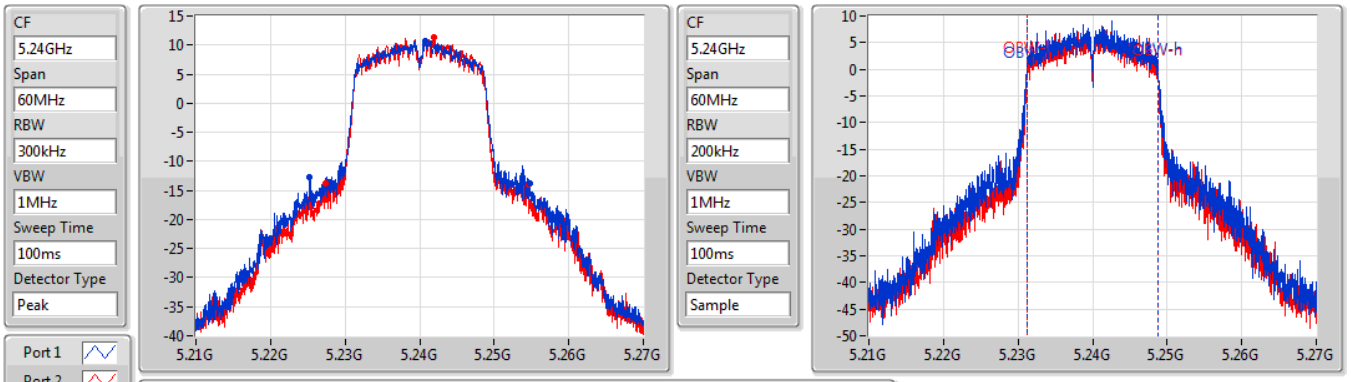


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.42M	5.18488G	5.2153G	17.721M	5.191124G	5.208846G	Inf	1
28.95M	5.18548G	5.21443G	17.631M	5.191184G	5.208816G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

22/08/2019

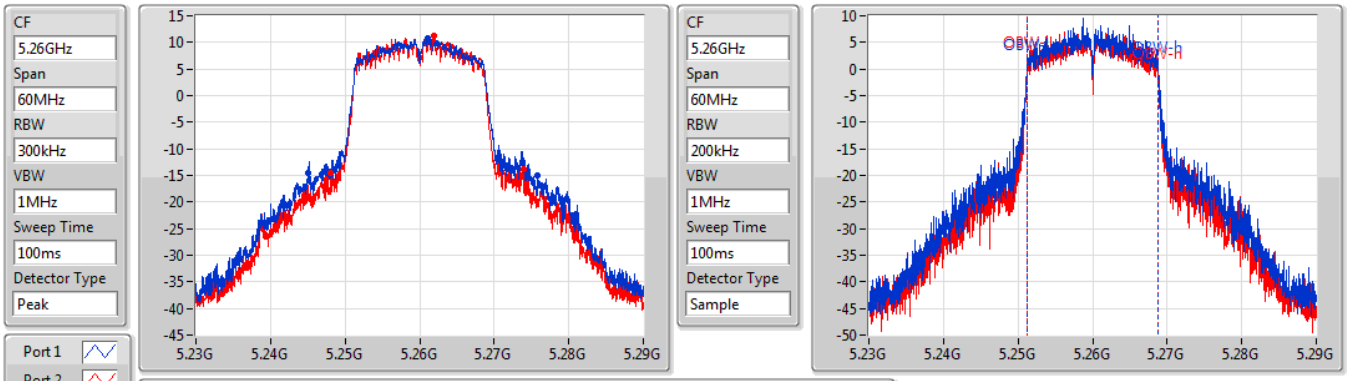


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.61M	5.22518G	5.25479G	17.691M	5.231154G	5.248846G	Inf	1
27.18M	5.22737G	5.25455G	17.631M	5.231184G	5.248816G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5260MHz

22/08/2019

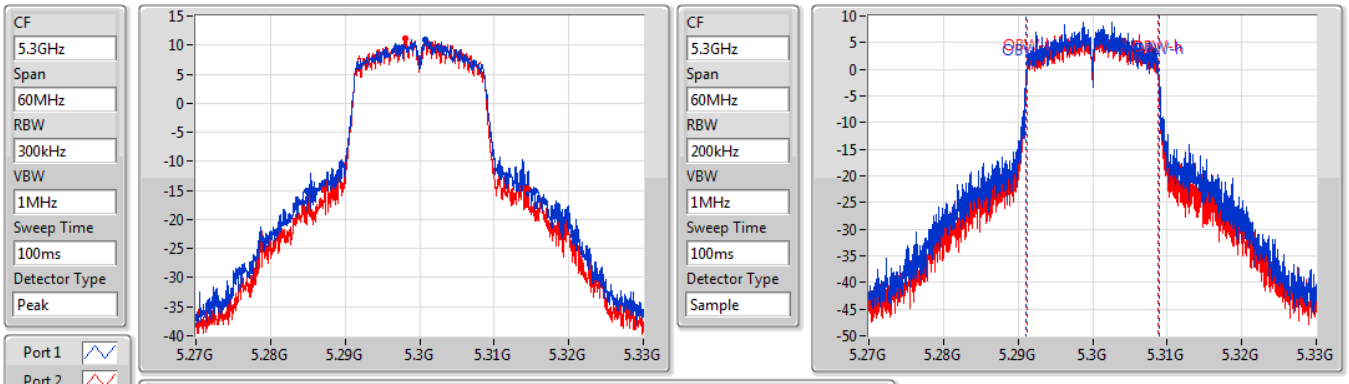


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.78M	5.24497G	5.27575G	17.691M	5.251154G	5.268846G	Inf	1
25.89M	5.24803G	5.27392G	17.601M	5.251214G	5.268816G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5300MHz

22/08/2019

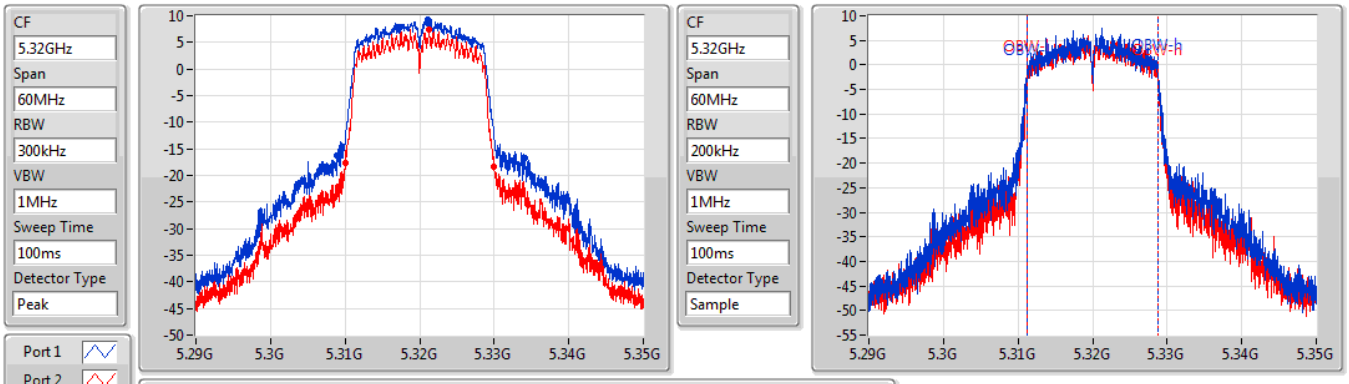


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.57M	5.28485G	5.31542G	17.751M	5.291124G	5.308876G	Inf	1
27.24M	5.28728G	5.31452G	17.631M	5.291184G	5.308816G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5320MHz

22/08/2019

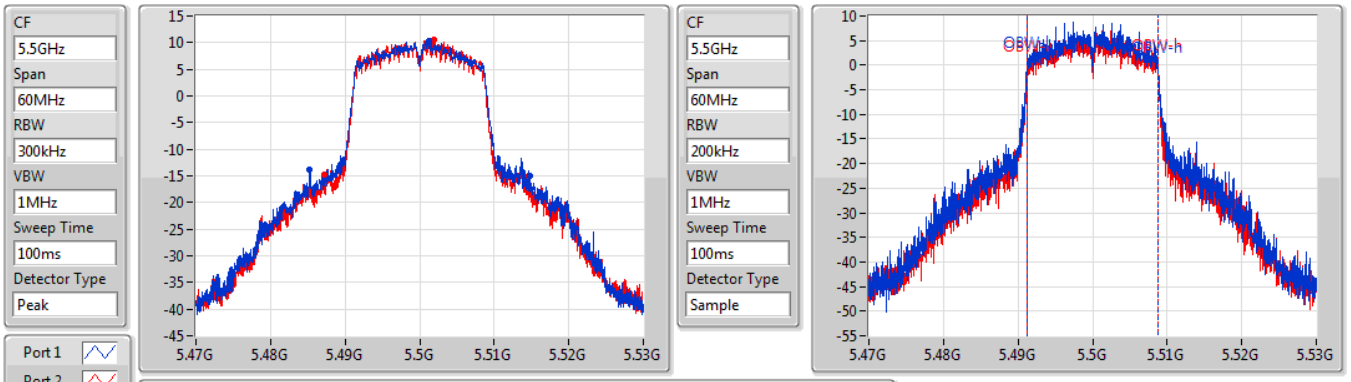


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.29M	5.30881G	5.3341G	17.631M	5.311184G	5.328816G	Inf	1
19.98M	5.30998G	5.32996G	17.541M	5.311214G	5.328756G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5500MHz

22/08/2019

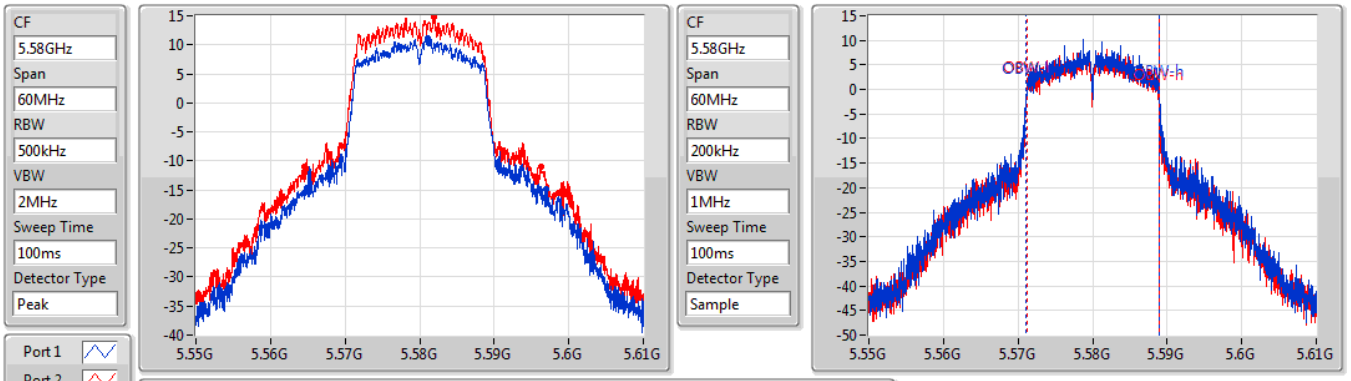


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.61M	5.48518G	5.51479G	17.691M	5.491154G	5.508846G	Inf	1
27.3M	5.48725G	5.51455G	17.631M	5.491184G	5.508816G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5580MHz

22/08/2019

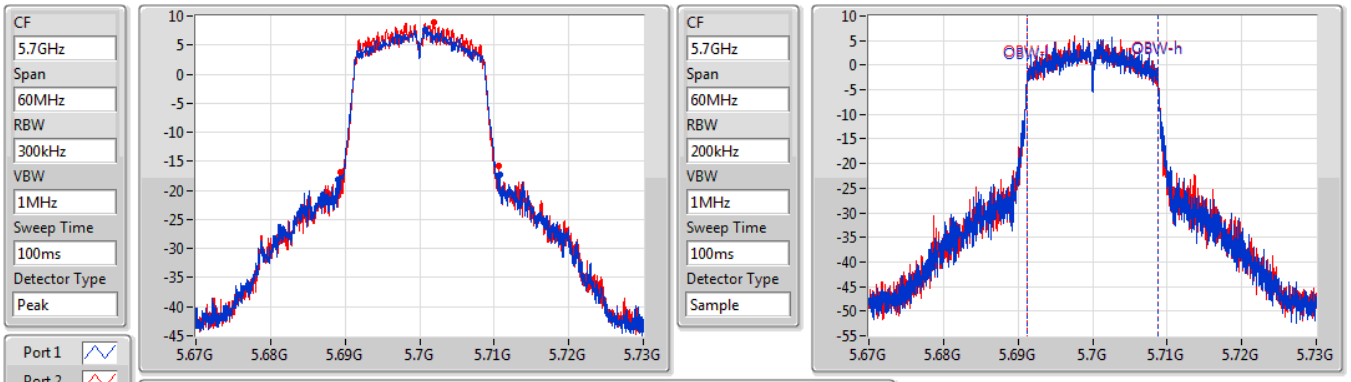


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.98M	5.56491G	5.59689G	17.811M	5.571124G	5.588936G	Inf	1
31.74M	5.56455G	5.59629G	17.721M	5.571154G	5.588876G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5700MHz

22/08/2019

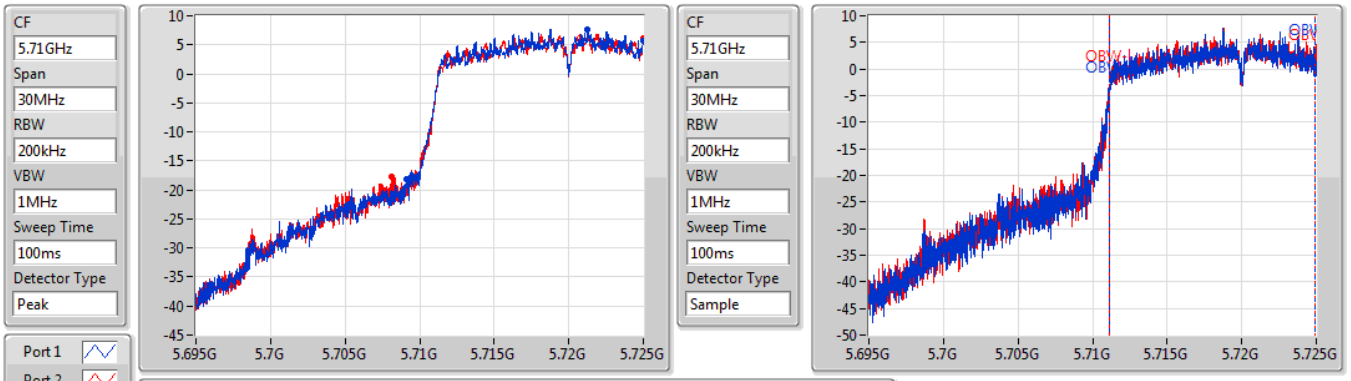


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.68899G	5.71077G	17.601M	5.691184G	5.708786G	Inf	1
21.24M	5.68944G	5.71068G	17.541M	5.691244G	5.708786G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.47-5.725GHz

22/08/2019

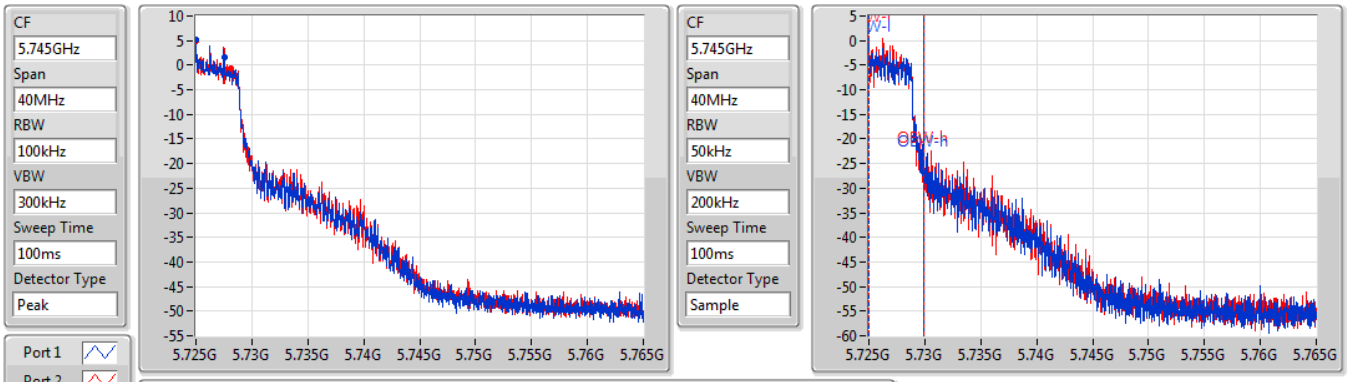


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.84M	5.70916G	5.725G	13.763M	5.711154G	5.724918G	Inf	1
16.86M	5.70814G	5.725G	13.778M	5.711169G	5.724948G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.725-5.85GHz

22/08/2019

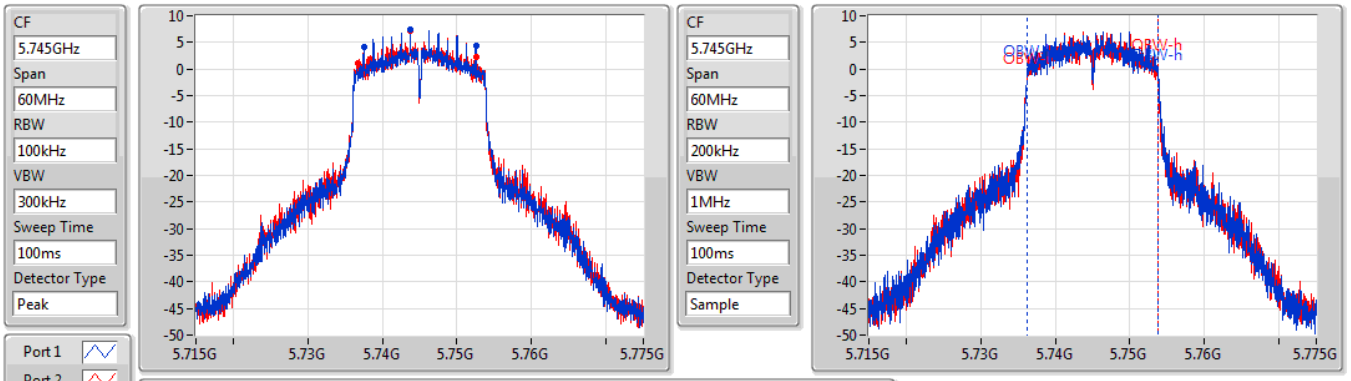


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.56M	5.725G	5.72756G	4.898M	5.72501G	5.729908G	500k	1
3.16M	5.725G	5.72816G	4.858M	5.72501G	5.729868G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

22/08/2019

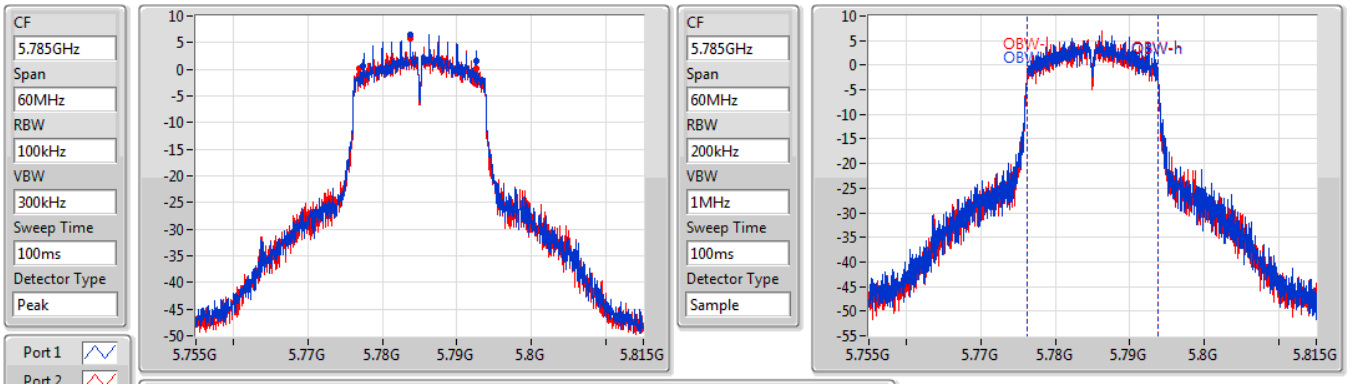


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.03M	5.7375G	5.75253G	17.661M	5.736184G	5.753846G	500k	1
15.9M	5.73666G	5.75256G	17.661M	5.736154G	5.753816G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5785MHz

22/08/2019

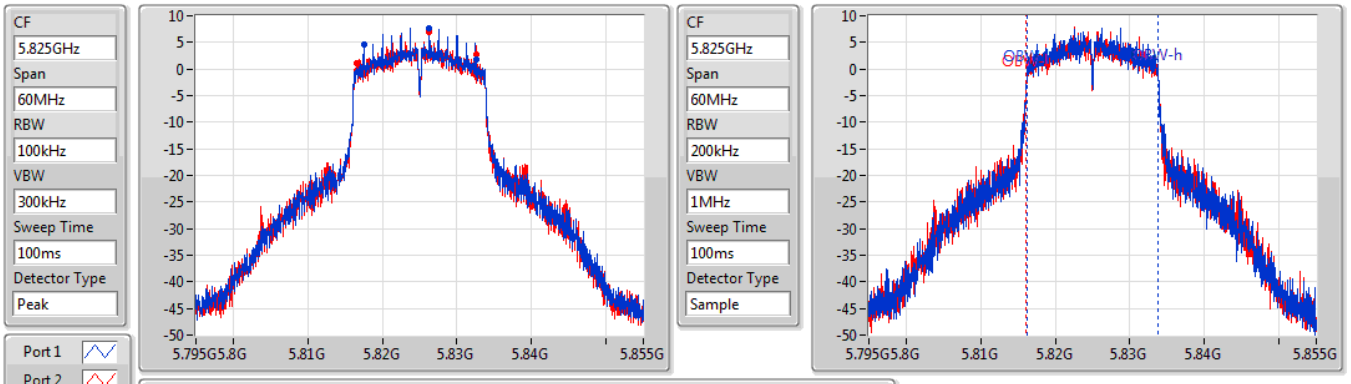


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.09M	5.77747G	5.79256G	17.601M	5.776184G	5.793786G	500k	1
15.66M	5.77687G	5.79253G	17.571M	5.776214G	5.793786G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

22/08/2019

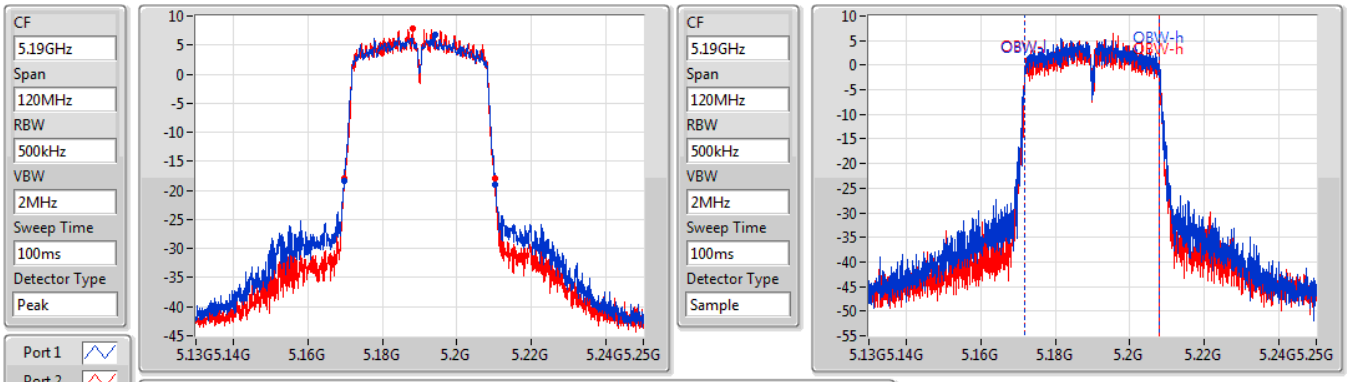


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.09M	5.8175G	5.83259G	17.691M	5.816154G	5.833846G	500k	1
15.93M	5.81663G	5.83256G	17.721M	5.816124G	5.833846G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

22/08/2019

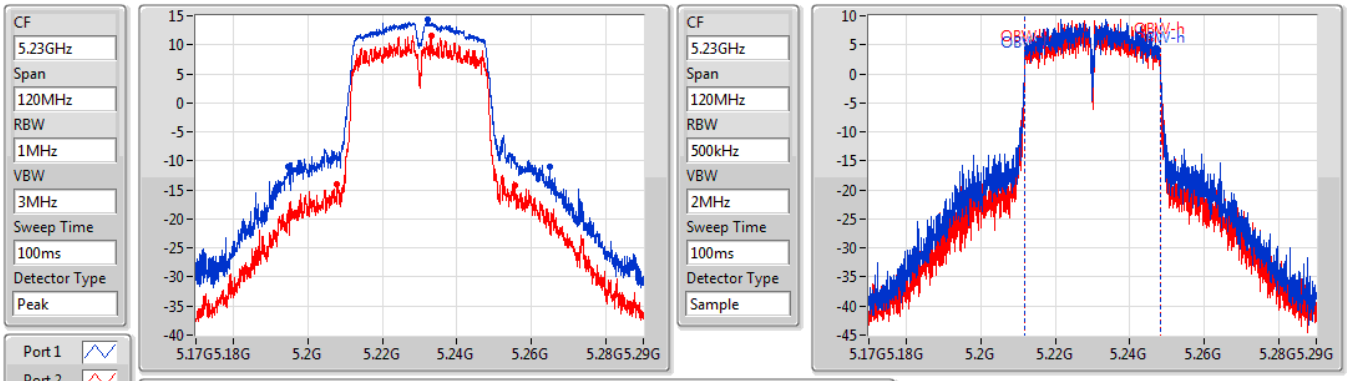


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	5.16972G	5.21022G	36.042M	5.171949G	5.207991G	Inf	1
40.2M	5.1699G	5.2101G	36.042M	5.171949G	5.207991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

22/08/2019

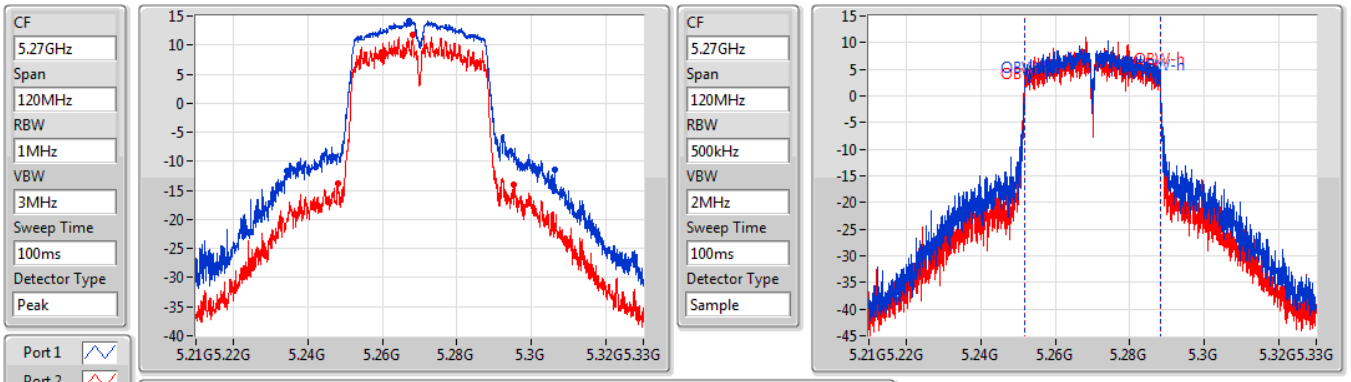


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
69.9M	5.1949G	5.2648G	36.282M	5.211829G	5.248111G	Inf	1
47.64M	5.20792G	5.25556G	36.162M	5.211949G	5.248111G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5270MHz

22/08/2019

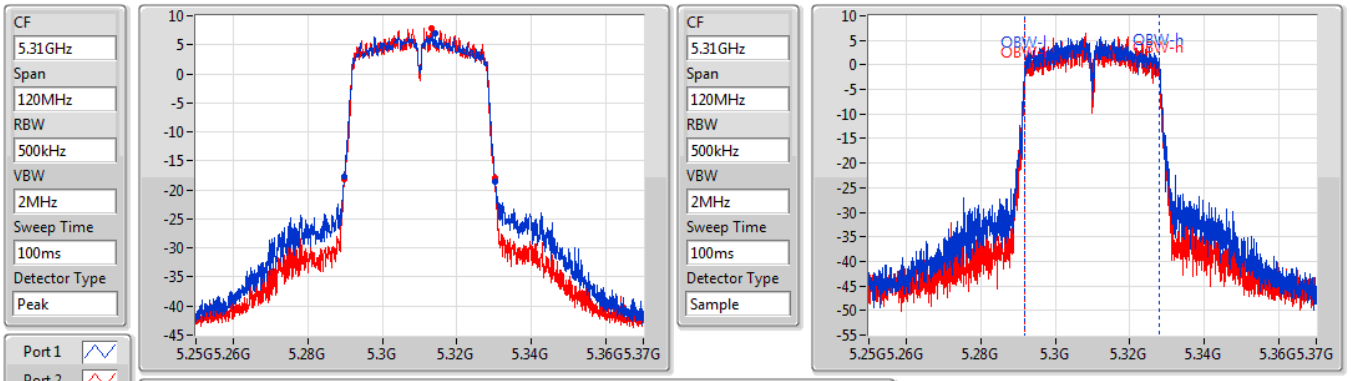


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
71.76M	5.23448G	5.30624G	36.402M	5.251769G	5.288171G	Inf	1
47.34M	5.24798G	5.29532G	36.222M	5.251829G	5.288051G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5310MHz

22/08/2019

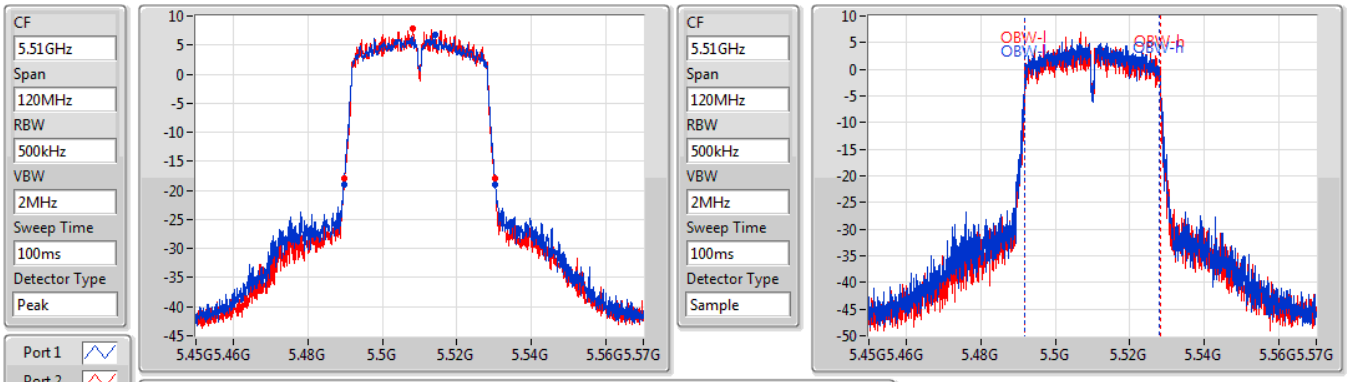


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.62M	5.28966G	5.33028G	36.042M	5.291949G	5.327991G	Inf	1
40.26M	5.28984G	5.3301G	36.102M	5.291889G	5.327991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5510MHz

22/08/2019

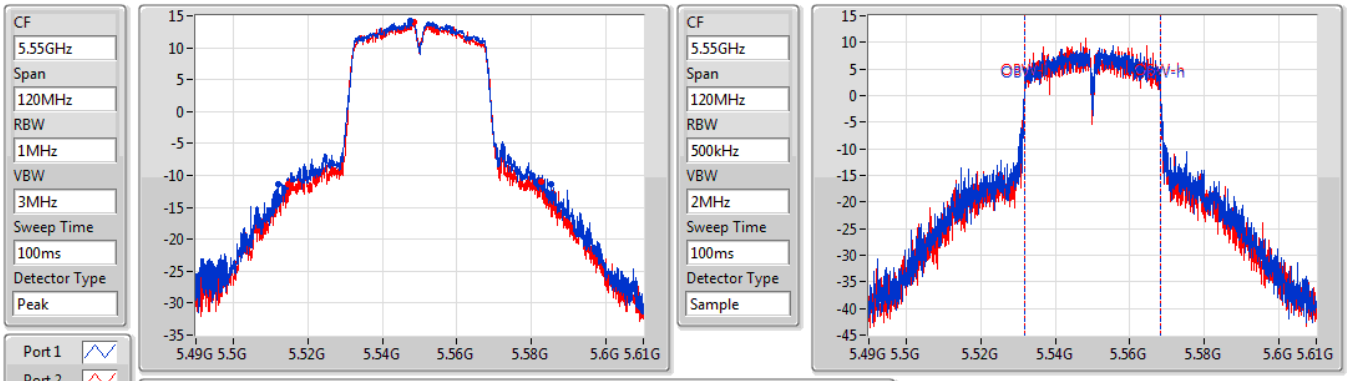


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.56M	5.48972G	5.53028G	36.102M	5.491889G	5.527991G	Inf	1
40.38M	5.48984G	5.53022G	36.162M	5.491889G	5.528051G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5550MHz

22/08/2019

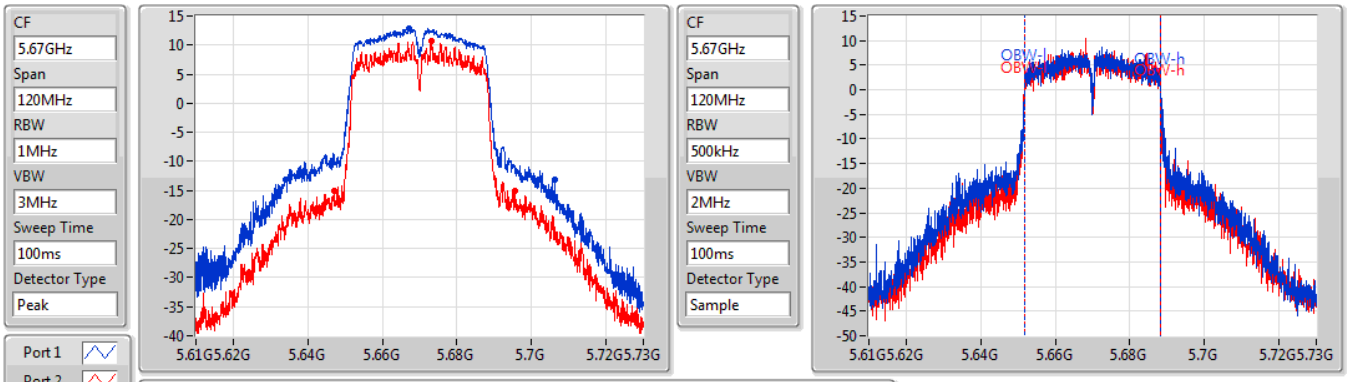


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.08M	5.5122G	5.58528G	36.522M	5.531709G	5.568231G	Inf	1
67.86M	5.51484G	5.5827G	36.402M	5.531709G	5.568111G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5670MHz

22/08/2019

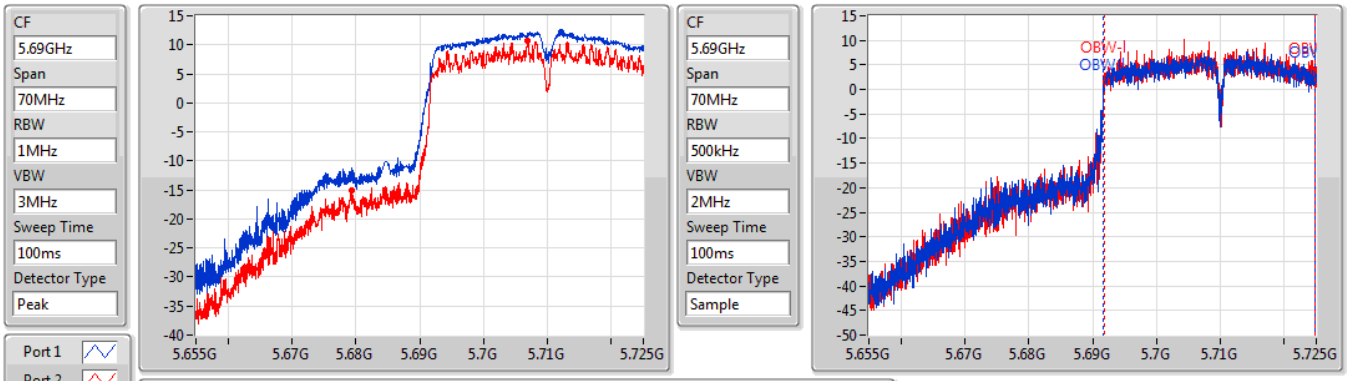


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
72M	5.63418G	5.70618G	36.342M	5.651829G	5.688171G	Inf	1
48.48M	5.64696G	5.69544G	36.342M	5.651829G	5.688171G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.47-5.725GHz

22/08/2019

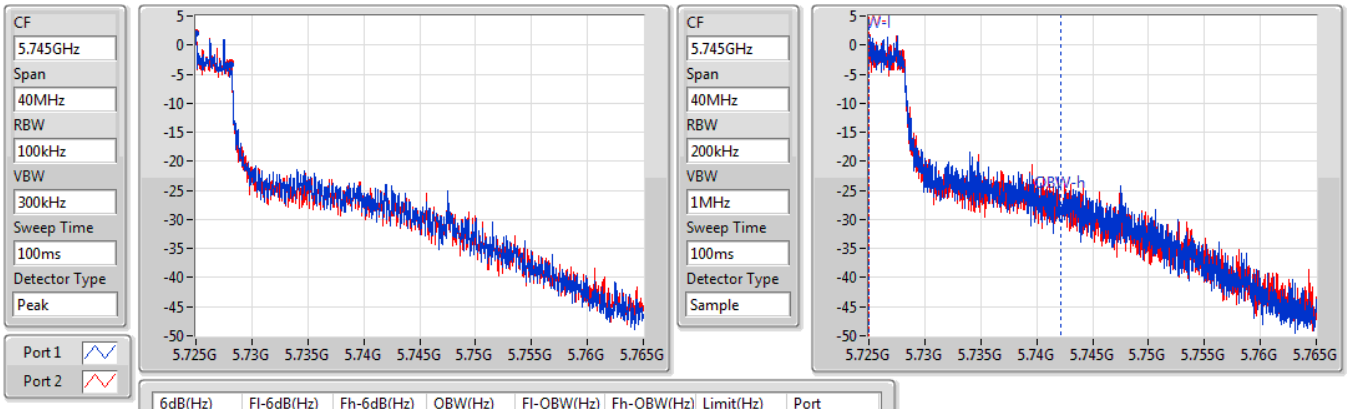


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
50.435M	5.674565G	5.725G	33.023M	5.691749G	5.724773G	Inf	1
45.675M	5.679325G	5.725G	32.954M	5.691819G	5.724773G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.725-5.85GHz

22/08/2019

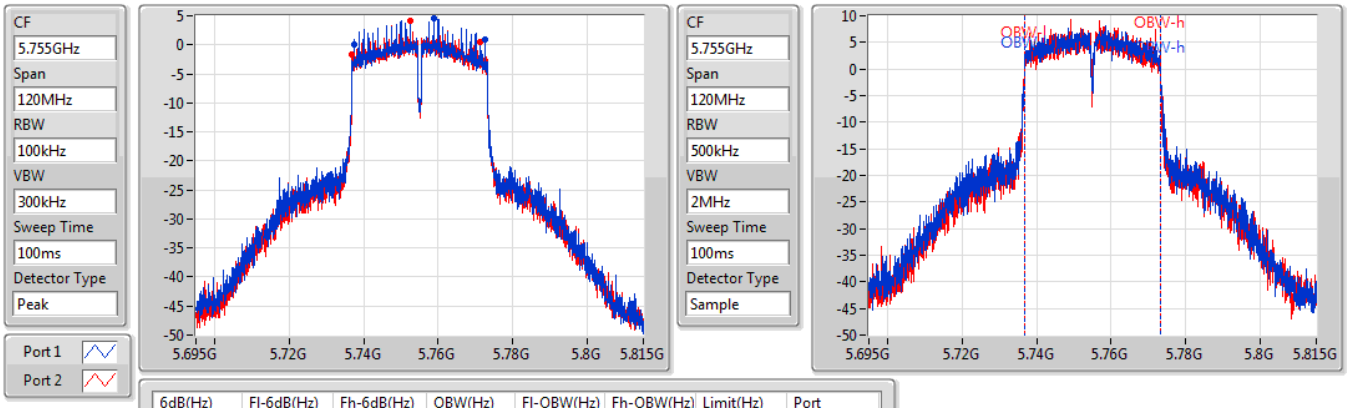


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	17.151M	5.72503G	5.742181G	500k	1
3.16M	5.725G	5.72816G	17.111M	5.72501G	5.742121G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

22/08/2019

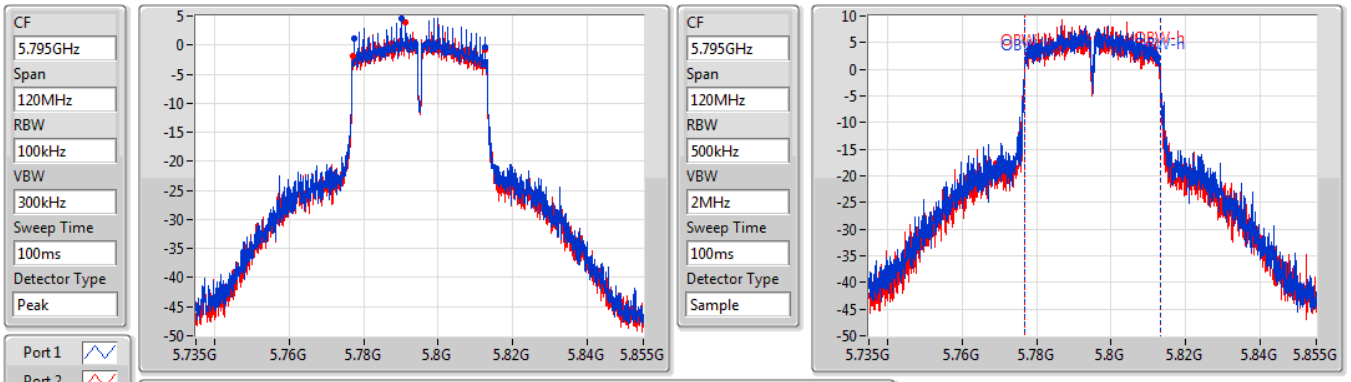


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.04M	5.73748G	5.77252G	36.402M	5.736769G	5.773171G	500k	1
34.44M	5.73688G	5.77132G	36.282M	5.736769G	5.773051G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5795MHz

22/08/2019

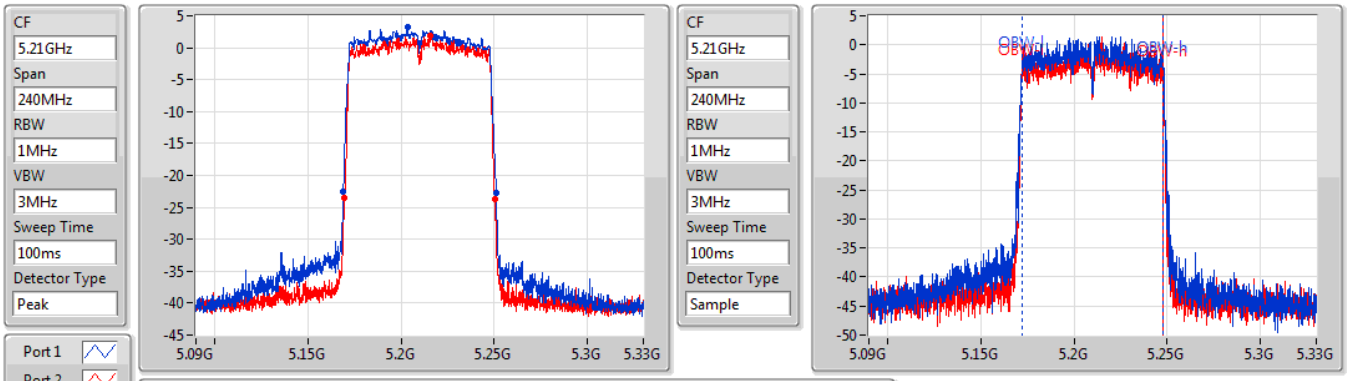


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	5.77748G	5.81258G	36.342M	5.776769G	5.813111G	500k	1
35.34M	5.77724G	5.81258G	36.282M	5.776769G	5.813051G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

22/08/2019

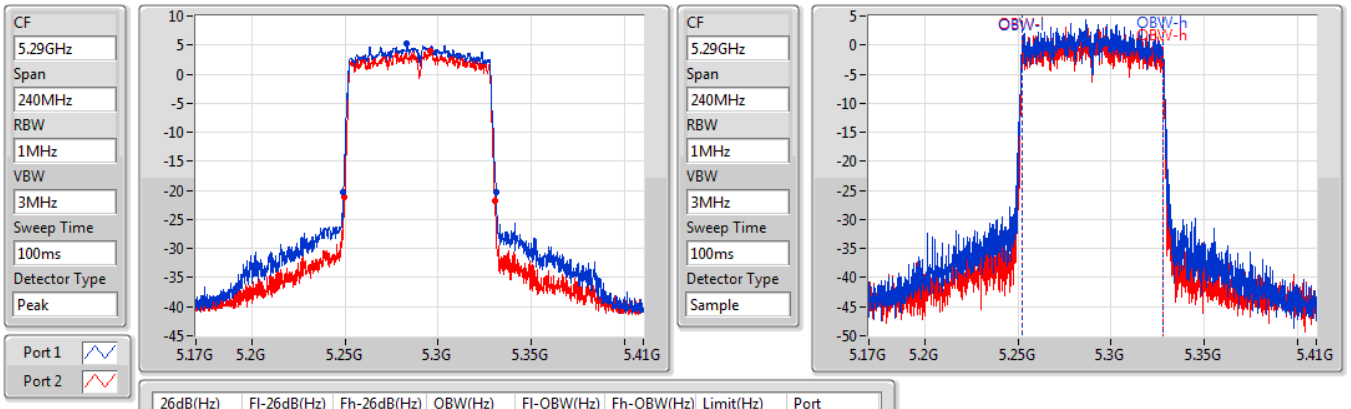


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	5.1692G	5.25104G	75.802M	5.172099G	5.247901G	Inf	1
80.4M	5.1698G	5.2502G	75.802M	5.172099G	5.247901G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5290MHz

22/08/2019

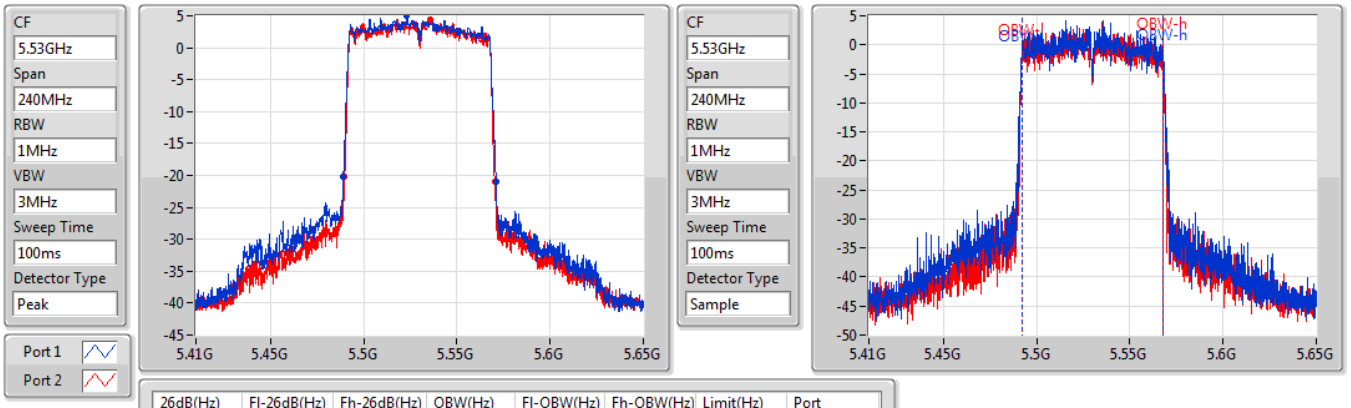


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.96M	5.24908G	5.33104G	75.922M	5.251979G	5.327901G	Inf	1
80.52M	5.2498G	5.33032G	75.682M	5.252099G	5.327781G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5530MHz

22/08/2019

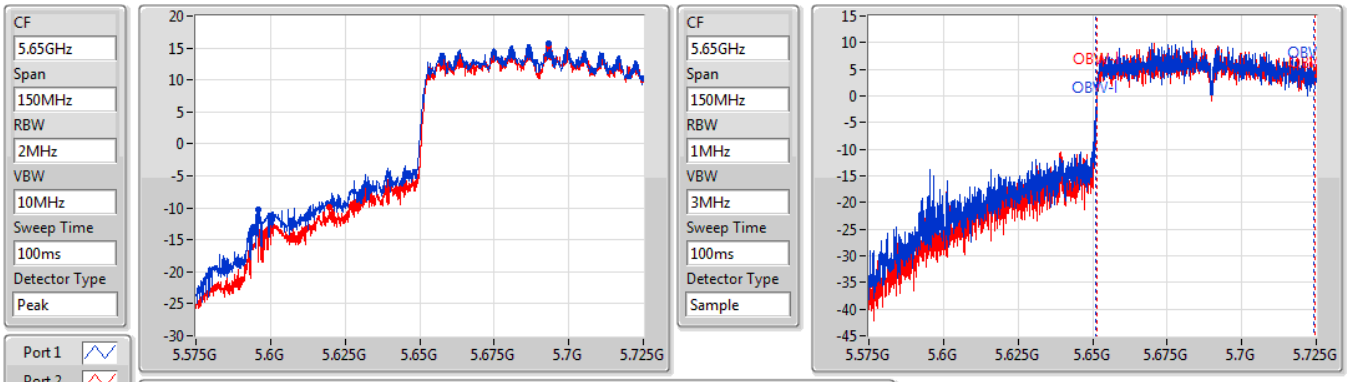


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	5.4892G	5.57104G	75.922M	5.491979G	5.567901G	Inf	1
80.64M	5.48968G	5.57032G	75.802M	5.491979G	5.567781G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5690MHz Straddle 5.47-5.725GHz

22/08/2019

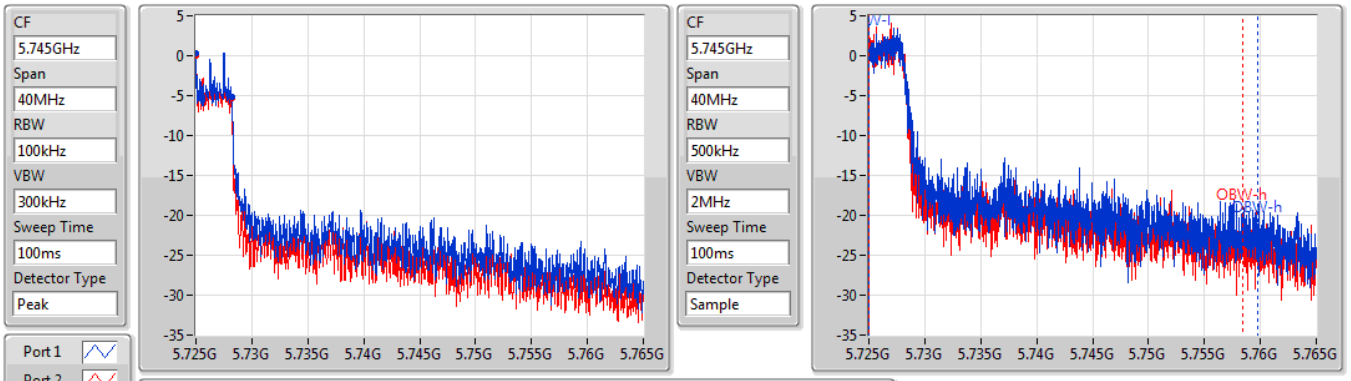


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
129.3M	5.5957G	5.725G	73.163M	5.651199G	5.724363G	Inf	1
105.375M	5.619625G	5.725G	72.864M	5.651649G	5.724513G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5690MHz Straddle 5.725-5.85GHz

22/08/2019

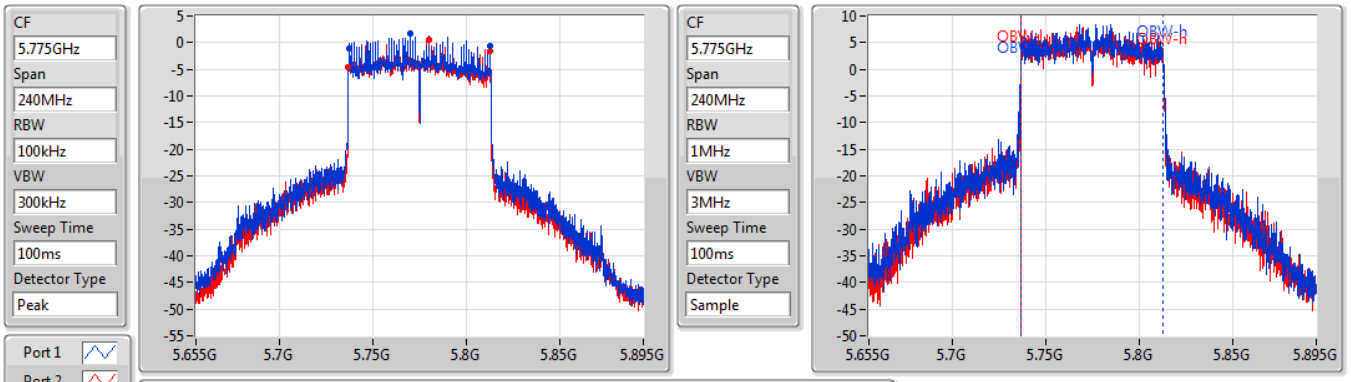


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.18M	5.725G	5.72818G	34.763M	5.72501G	5.759773G	500k	1
3.18M	5.725G	5.72818G	33.463M	5.72501G	5.758473G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz

22/08/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.12M	5.73744G	5.81256G	76.282M	5.736619G	5.812901G	500k	1
75.72M	5.73684G	5.81256G	76.162M	5.736739G	5.812901G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.11	0.16255	25.91	0.38994
802.11ac VHT20_Nss1,(MCS0)_2TX	22.28	0.16904	26.08	0.40551
802.11ac VHT40_Nss1,(MCS0)_2TX	22.24	0.16749	26.04	0.40179
802.11ac VHT80_Nss1,(MCS0)_2TX	13.94	0.02477	17.74	0.05943
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.14	0.16368	25.94	0.39264
802.11ac VHT20_Nss1,(MCS0)_2TX	21.89	0.15453	25.69	0.37068
802.11ac VHT40_Nss1,(MCS0)_2TX	22.17	0.16482	25.97	0.39537
802.11ac VHT80_Nss1,(MCS0)_2TX	16.23	0.04198	20.03	0.10069
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.95	0.15668	25.75	0.37584
802.11ac VHT20_Nss1,(MCS0)_2TX	22.26	0.16827	26.06	0.40365
802.11ac VHT40_Nss1,(MCS0)_2TX	22.57	0.18072	26.37	0.43351
802.11ac VHT80_Nss1,(MCS0)_2TX	21.96	0.15704	25.76	0.37670
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.27	0.13397	25.07	0.32137
802.11ac VHT20_Nss1,(MCS0)_2TX	20.99	0.12560	24.79	0.30130
802.11ac VHT40_Nss1,(MCS0)_2TX	21.16	0.13062	24.96	0.31333
802.11ac VHT80_Nss1,(MCS0)_2TX	20.61	0.11508	24.41	0.27606

Result

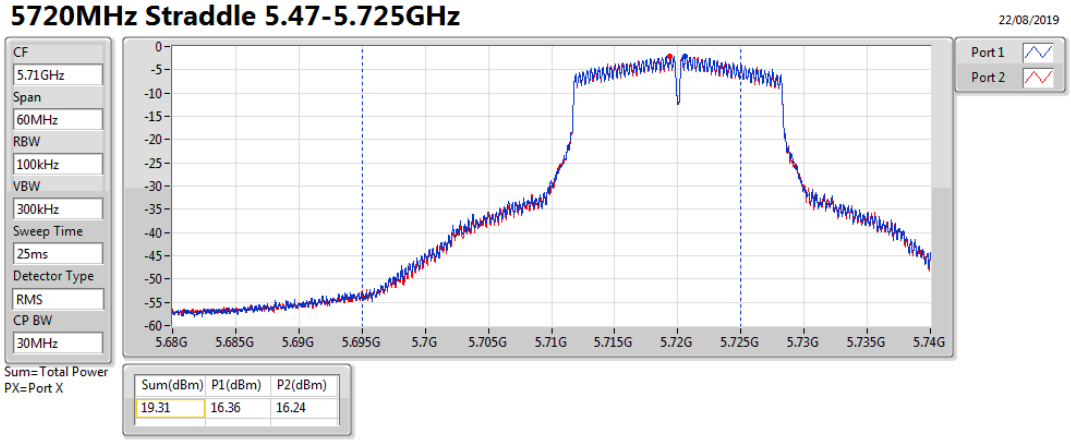
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	3.80	19.34	18.27	21.85	23.98	25.65	30.00
5200MHz_TnomVnom	Pass	3.80	19.35	18.41	21.92	23.98	25.72	30.00
5240MHz_TnomVnom	Pass	3.80	19.49	18.67	22.11	23.98	25.91	30.00
5260MHz_TnomVnom	Pass	3.80	19.51	18.65	22.11	23.98	25.91	30.00
5300MHz_TnomVnom	Pass	3.80	19.49	18.43	22.00	23.98	25.80	30.00
5320MHz_TnomVnom	Pass	3.80	19.63	18.56	22.14	23.98	25.94	30.00
5500MHz_TnomVnom	Pass	3.80	19.36	18.47	21.95	23.98	25.75	30.00
5580MHz_TnomVnom	Pass	3.80	19.09	18.39	21.76	23.98	25.56	30.00
5700MHz_TnomVnom	Pass	3.80	16.64	16.78	19.72	23.98	23.52	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	3.80	16.36	16.24	19.31	23.37	23.11	29.37
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	3.80	8.68	8.58	11.64	30.00	15.44	36.00
5745MHz_TnomVnom	Pass	3.80	17.65	17.48	20.58	30.00	24.38	36.00
5785MHz_TnomVnom	Pass	3.80	18.56	17.94	21.27	30.00	25.07	36.00
5825MHz_TnomVnom	Pass	3.80	18.21	17.87	21.05	30.00	24.85	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	3.80	19.63	18.72	22.21	23.98	26.01	30.00
5200MHz_TnomVnom	Pass	3.80	19.60	18.91	22.28	23.98	26.08	30.00
5240MHz_TnomVnom	Pass	3.80	19.27	18.52	21.92	23.98	25.72	30.00
5260MHz_TnomVnom	Pass	3.80	19.33	18.36	21.88	23.98	25.68	30.00
5300MHz_TnomVnom	Pass	3.80	19.19	18.54	21.89	23.98	25.69	30.00
5320MHz_TnomVnom	Pass	3.80	17.53	17.02	20.29	23.98	24.09	30.00
5500MHz_TnomVnom	Pass	3.80	18.63	18.07	21.37	23.98	25.17	30.00
5580MHz_TnomVnom	Pass	3.80	19.50	18.99	22.26	23.98	26.06	30.00
5700MHz_TnomVnom	Pass	3.80	16.00	16.20	19.11	23.98	22.91	30.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	3.80	16.13	16.21	19.18	23.00	22.98	29.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	3.80	8.95	9.02	12.00	30.00	15.80	36.00
5745MHz_TnomVnom	Pass	3.80	17.89	17.79	20.85	30.00	24.65	36.00
5785MHz_TnomVnom	Pass	3.80	16.77	16.47	19.63	30.00	23.43	36.00
5825MHz_TnomVnom	Pass	3.80	18.12	17.83	20.99	30.00	24.79	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	3.80	15.78	14.85	18.35	23.98	22.15	30.00
5230MHz_TnomVnom	Pass	3.80	19.76	18.63	22.24	23.98	26.04	30.00
5270MHz_TnomVnom	Pass	3.80	19.62	18.65	22.17	23.98	25.97	30.00
5310MHz_TnomVnom	Pass	3.80	15.90	15.10	18.53	23.98	22.33	30.00
5510MHz_TnomVnom	Pass	3.80	16.08	15.14	18.65	23.98	22.45	30.00
5550MHz_TnomVnom	Pass	3.80	19.95	19.14	22.57	23.98	26.37	30.00
5670MHz_TnomVnom	Pass	3.80	18.55	18.05	21.32	23.98	25.12	30.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	3.80	17.72	17.58	20.66	23.98	24.46	30.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	3.80	5.93	5.89	8.92	30.00	12.72	36.00
5755MHz_TnomVnom	Pass	3.80	18.16	17.76	20.97	30.00	24.77	36.00
5795MHz_TnomVnom	Pass	3.80	18.32	17.97	21.16	30.00	24.96	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	3.80	11.67	10.04	13.94	23.98	17.74	30.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5290MHz_TnomVnom	Pass	3.80	13.86	12.47	16.23	23.98	20.03	30.00
5530MHz_TnomVnom	Pass	3.80	13.51	12.65	16.11	23.98	19.91	30.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	3.80	19.14	18.75	21.96	23.98	25.76	30.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	3.80	4.73	4.38	7.57	30.00	11.37	36.00
5775MHz_TnomVnom	Pass	3.80	17.78	17.41	20.61	30.00	24.41	36.00

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

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

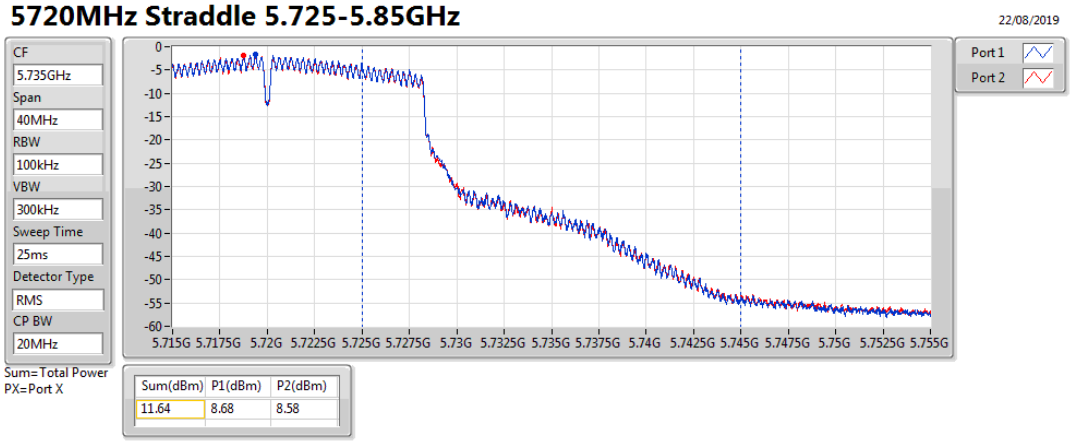
5720MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)
19.31	16.36	16.24

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

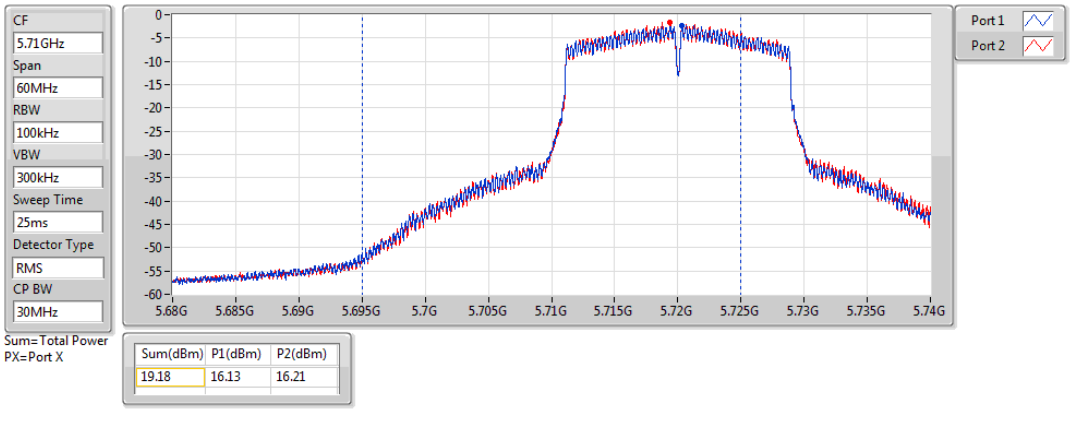
5720MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)
11.64	8.68	8.58

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

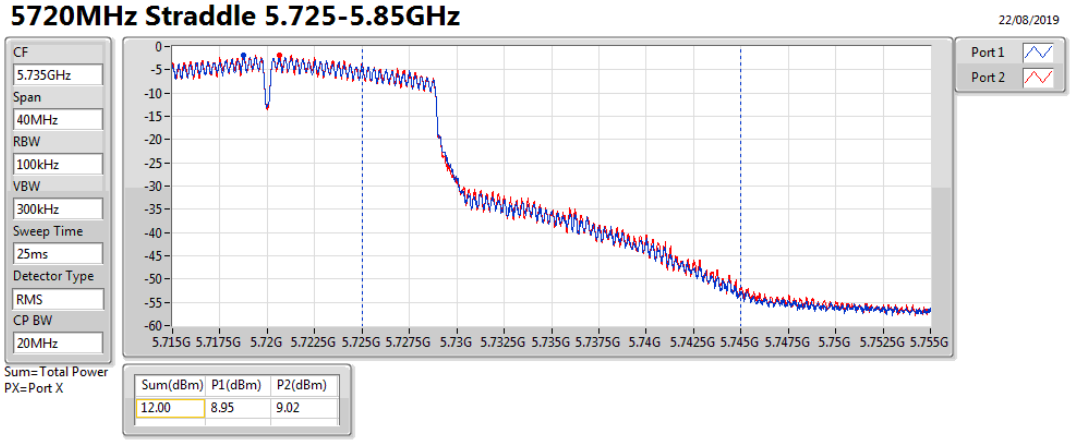
5720MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)
19.18	16.13	16.21

802.11ac VHT20_Nss1,(MCS0)_2TX AV Power

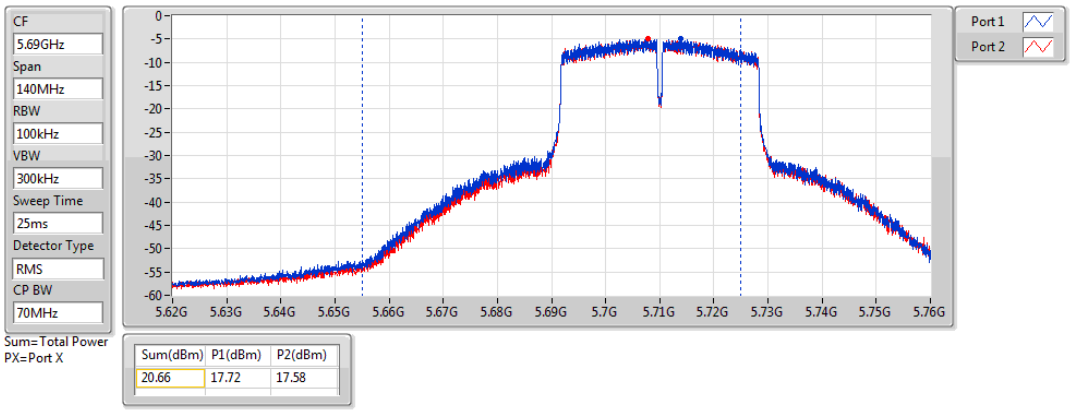
5720MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)
12.00	8.95	9.02

802.11ac VHT40_Nss1,(MCS0)_2TX AV Power

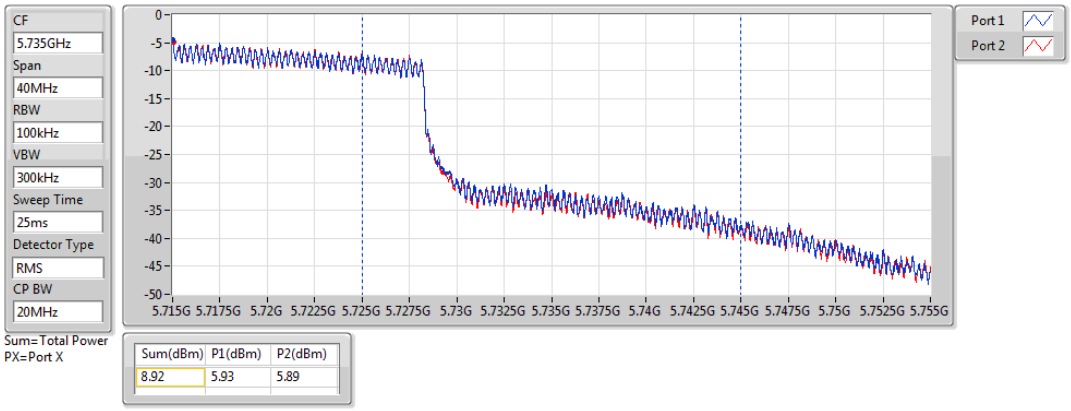
5710MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)
20.66	17.72	17.58

802.11ac VHT40_Nss1,(MCS0)_2TX AV Power

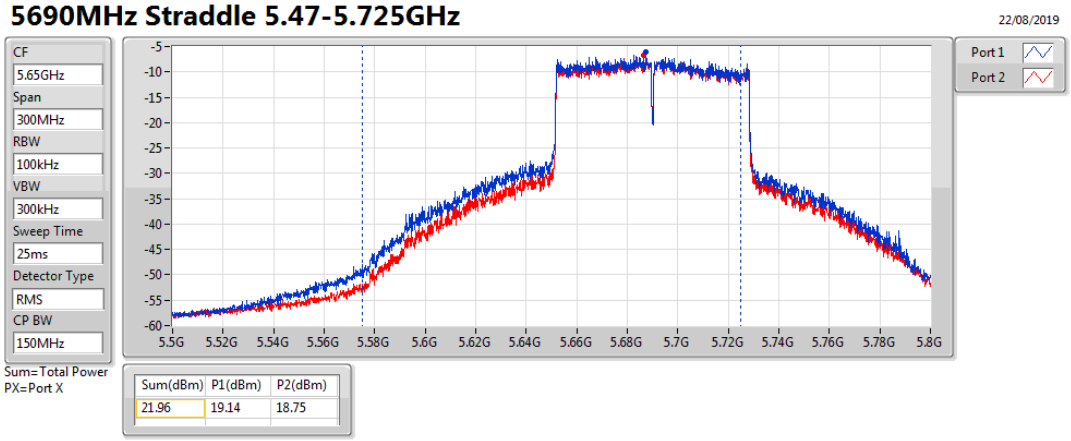
5710MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)
8.92	5.93	5.89

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

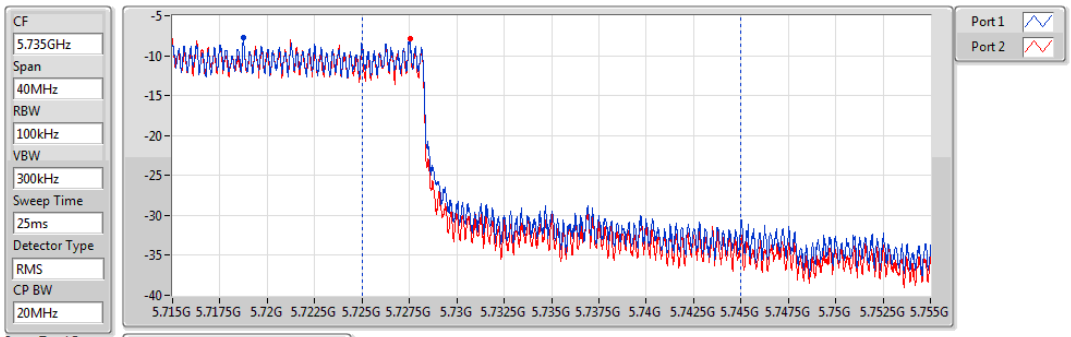
5690MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)
21.96	19.14	18.75

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

5690MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)
7.57	4.73	4.38

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.02	16.83
802.11ac VHT20_Nss1,(MCS0)_2TX	10.15	16.96
802.11ac VHT40_Nss1,(MCS0)_2TX	6.81	13.62
802.11ac VHT80_Nss1,(MCS0)_2TX	-4.90	1.91
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.10	16.91
802.11ac VHT20_Nss1,(MCS0)_2TX	9.83	16.64
802.11ac VHT40_Nss1,(MCS0)_2TX	6.79	13.60
802.11ac VHT80_Nss1,(MCS0)_2TX	-2.55	4.26
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.01	16.82
802.11ac VHT20_Nss1,(MCS0)_2TX	10.11	16.92
802.11ac VHT40_Nss1,(MCS0)_2TX	7.03	13.84
802.11ac VHT80_Nss1,(MCS0)_2TX	3.27	10.08
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.91	14.72
802.11ac VHT20_Nss1,(MCS0)_2TX	7.53	14.34
802.11ac VHT40_Nss1,(MCS0)_2TX	4.22	11.03
802.11ac VHT80_Nss1,(MCS0)_2TX	0.63	7.44

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

Result

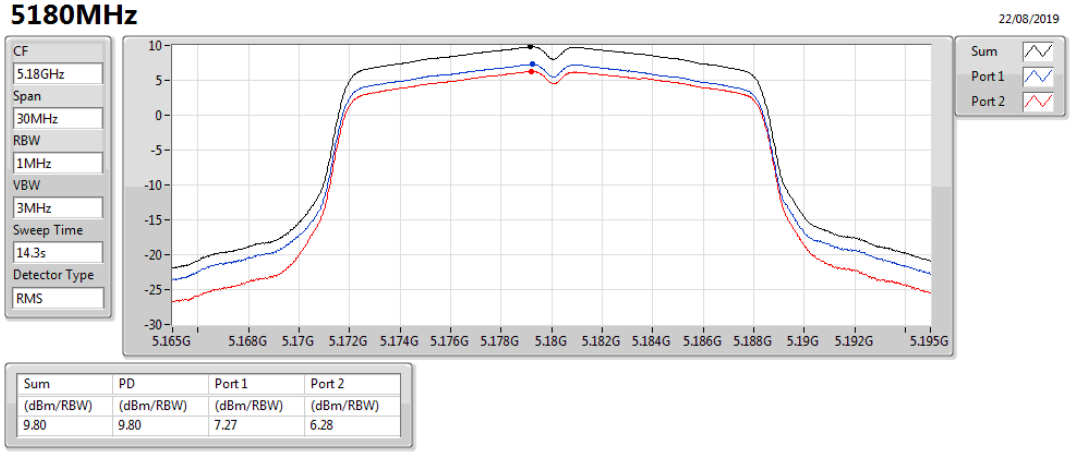
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	6.81	7.27	6.28	9.80	10.19	16.61	17.00
5200MHz_TnomVnom	Pass	6.81	7.36	6.48	9.95	10.19	16.76	17.00
5240MHz_TnomVnom	Pass	6.81	7.39	6.63	10.02	10.19	16.83	17.00
5260MHz_TnomVnom	Pass	6.81	7.54	6.55	10.08	10.19	16.89	17.00
5300MHz_TnomVnom	Pass	6.81	7.59	6.52	10.10	10.19	16.91	17.00
5320MHz_TnomVnom	Pass	6.81	7.59	6.51	10.09	10.19	16.90	17.00
5500MHz_TnomVnom	Pass	6.81	7.42	6.56	10.01	10.19	16.82	17.00
5580MHz_TnomVnom	Pass	6.81	7.21	6.50	9.87	10.19	16.68	17.00
5700MHz_TnomVnom	Pass	6.81	4.88	4.81	7.85	10.19	14.66	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	6.81	5.31	5.17	8.22	10.19	15.03	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	6.81	1.74	1.70	4.73	29.19	11.54	36.00
5745MHz_TnomVnom	Pass	6.81	4.37	4.19	7.28	29.19	14.09	36.00
5785MHz_TnomVnom	Pass	6.81	5.15	4.66	7.91	29.19	14.72	36.00
5825MHz_TnomVnom	Pass	6.81	5.01	4.53	7.77	29.19	14.58	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	6.81	7.55	6.70	10.15	10.19	16.96	17.00
5200MHz_TnomVnom	Pass	6.81	7.45	6.76	10.12	10.19	16.93	17.00
5240MHz_TnomVnom	Pass	6.81	7.13	6.39	9.79	10.19	16.60	17.00
5260MHz_TnomVnom	Pass	6.81	7.19	6.42	9.83	10.19	16.64	17.00
5300MHz_TnomVnom	Pass	6.81	7.10	6.40	9.77	10.19	16.58	17.00
5320MHz_TnomVnom	Pass	6.81	5.73	4.85	8.32	10.19	15.13	17.00
5500MHz_TnomVnom	Pass	6.81	6.64	5.81	9.25	10.19	16.06	17.00
5580MHz_TnomVnom	Pass	6.81	7.35	6.84	10.11	10.19	16.92	17.00
5700MHz_TnomVnom	Pass	6.81	4.02	4.19	7.11	10.19	13.92	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	6.81	4.97	4.96	7.96	10.19	14.77	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	6.81	1.45	1.63	4.55	29.19	11.36	36.00
5745MHz_TnomVnom	Pass	6.81	4.49	4.59	7.53	29.19	14.34	36.00
5785MHz_TnomVnom	Pass	6.81	3.37	3.02	6.18	29.19	12.99	36.00
5825MHz_TnomVnom	Pass	6.81	4.56	4.47	7.50	29.19	14.31	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	6.81	0.55	-0.57	3.04	10.19	9.85	17.00
5230MHz_TnomVnom	Pass	6.81	4.26	3.28	6.81	10.19	13.62	17.00
5270MHz_TnomVnom	Pass	6.81	4.32	3.17	6.79	10.19	13.60	17.00
5310MHz_TnomVnom	Pass	6.81	0.63	-0.41	3.15	10.19	9.96	17.00
5510MHz_TnomVnom	Pass	6.81	0.46	-0.54	2.99	10.19	9.80	17.00
5550MHz_TnomVnom	Pass	6.81	4.35	3.68	7.03	10.19	13.84	17.00
5670MHz_TnomVnom	Pass	6.81	3.11	2.65	5.89	10.19	12.70	17.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	6.81	2.43	2.47	5.46	10.19	12.27	17.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	6.81	-1.49	-1.59	1.47	29.19	8.28	36.00
5755MHz_TnomVnom	Pass	6.81	1.08	0.93	4.00	29.19	10.81	36.00
5795MHz_TnomVnom	Pass	6.81	1.48	0.92	4.22	29.19	11.03	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	6.81	-7.13	-8.70	-4.90	10.19	1.91	17.00

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)
5290MHz_TnomVnom	Pass	6.81	-4.86	-6.31	-2.55	10.19	4.26	17.00
5530MHz_TnomVnom	Pass	6.81	-5.31	-6.01	-2.64	10.19	4.17	17.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	6.81	0.43	0.10	3.27	10.19	10.08	17.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	6.81	-2.77	-3.23	0.02	29.19	6.83	36.00
5775MHz_TnomVnom	Pass	6.81	-2.14	-2.55	0.63	29.19	7.44	36.00

DG = Directional Gain; **RBW** = 500 kHz 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

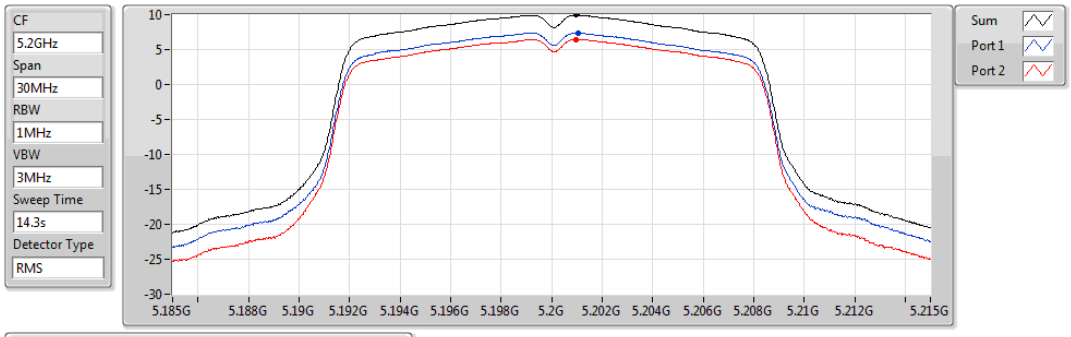
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.80	9.80	7.27	6.28

802.11a_Nss1,(6Mbps)_2TX PSD

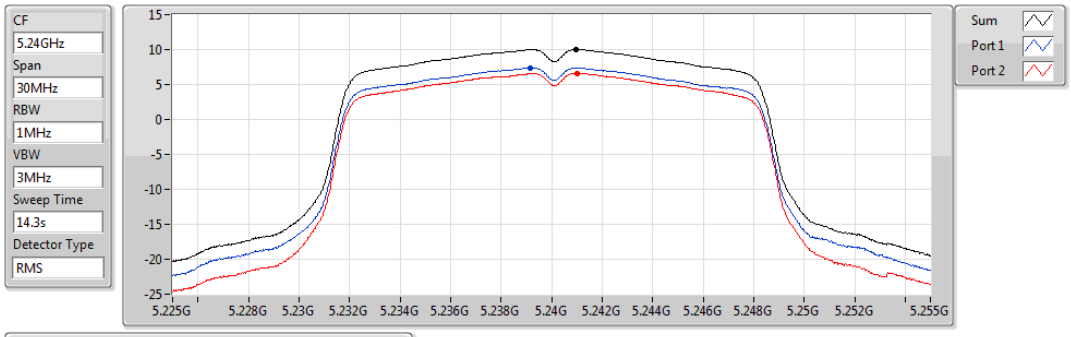
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.95	9.95	7.36	6.48

802.11a_Nss1,(6Mbps)_2TX PSD

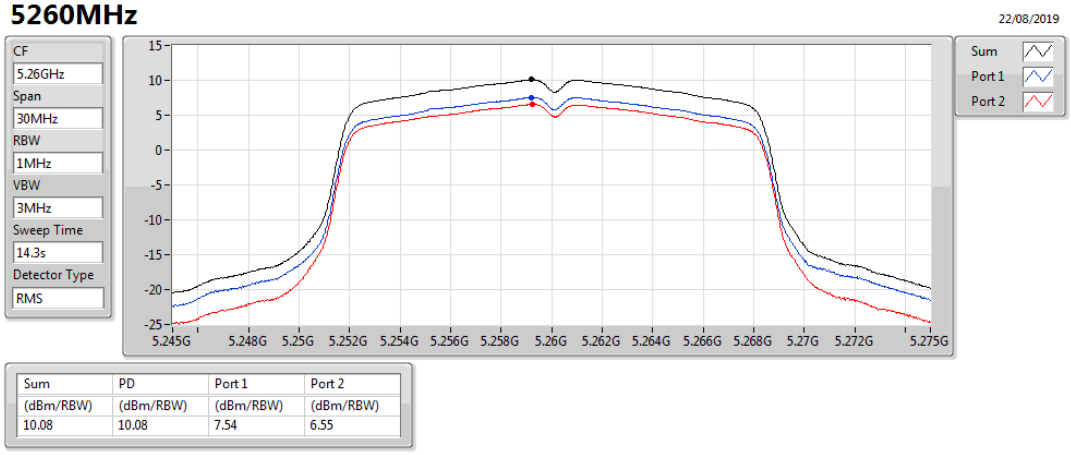
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.02	10.02	7.39	6.63

802.11a_Nss1,(6Mbps)_2TX PSD

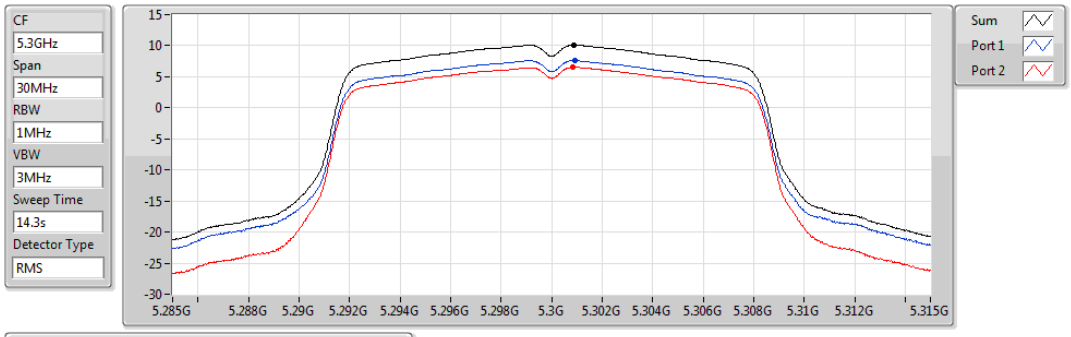
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.08	10.08	7.54	6.55

802.11a_Nss1,(6Mbps)_2TX PSD

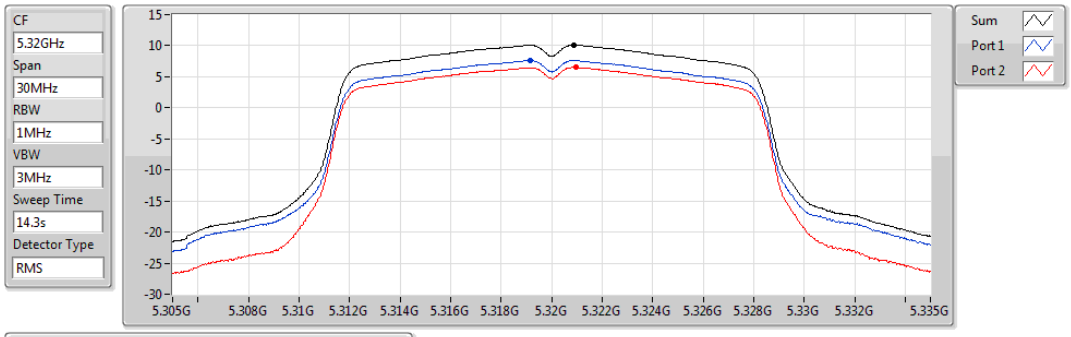
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.10	10.10	7.59	6.52

802.11a_Nss1,(6Mbps)_2TX PSD

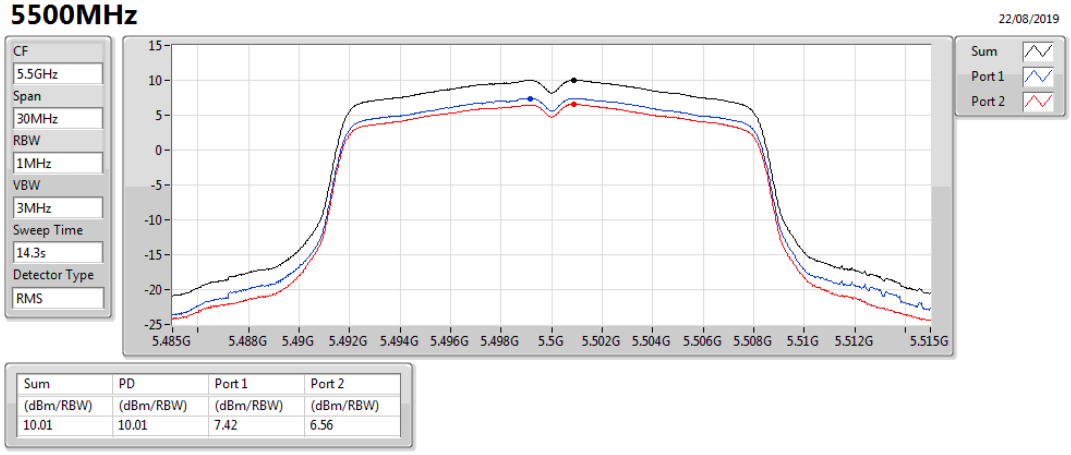
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.09	10.09	7.59	6.51

802.11a_Nss1,(6Mbps)_2TX PSD

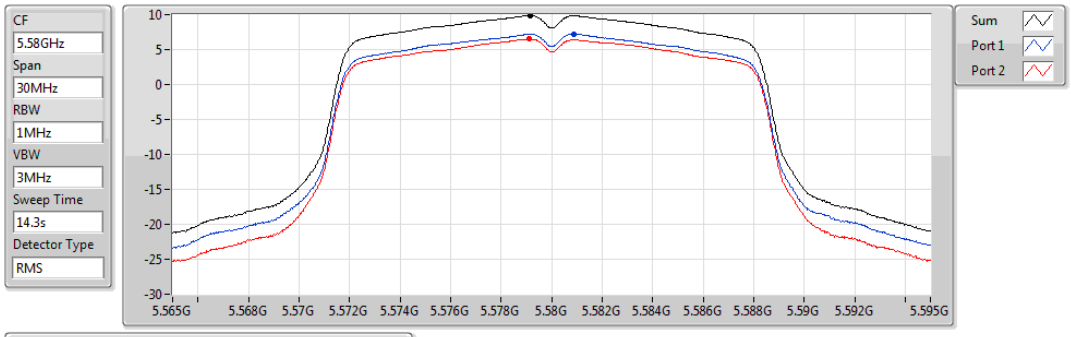
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.01	10.01	7.42	6.56

802.11a_Nss1,(6Mbps)_2TX PSD

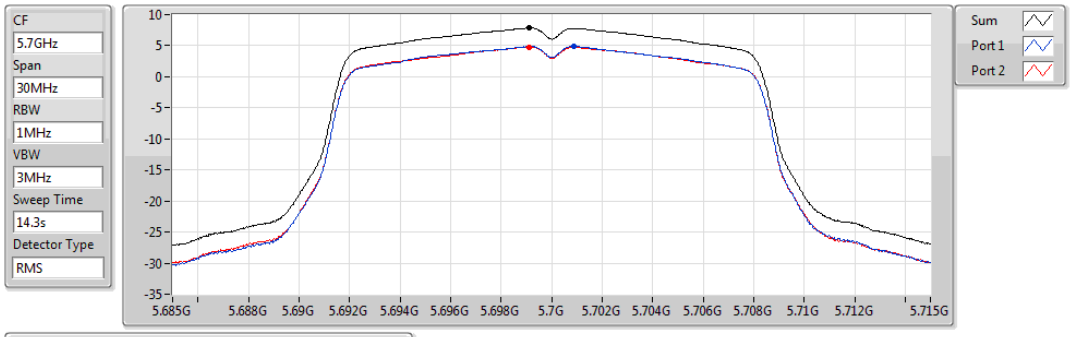
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.87	9.87	7.21	6.50

802.11a_Nss1,(6Mbps)_2TX PSD

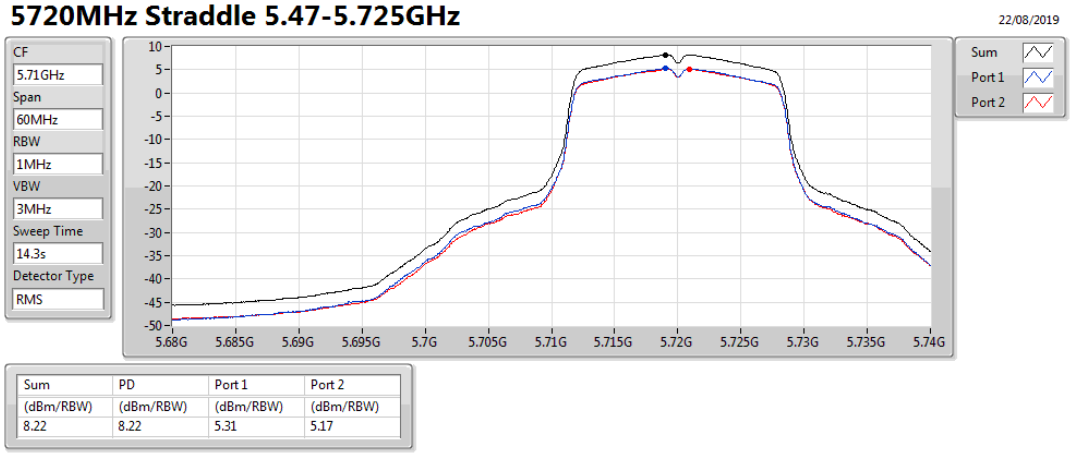
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.85	7.85	4.88	4.81

802.11a_Nss1,(6Mbps)_2TX PSD

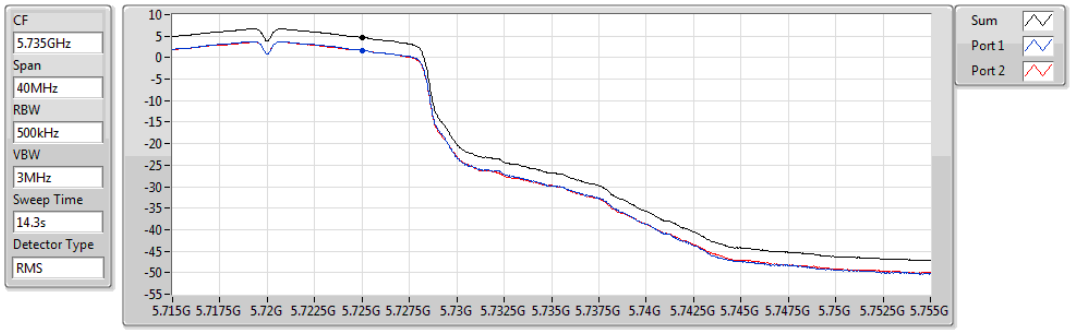
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.22	8.22	5.31	5.17

802.11a_Nss1,(6Mbps)_2TX PSD

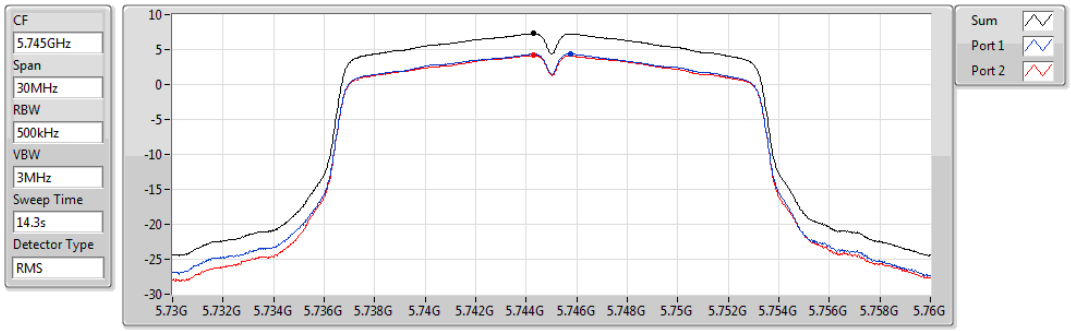
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.73	4.73	1.74	1.70

802.11a_Nss1,(6Mbps)_2TX PSD

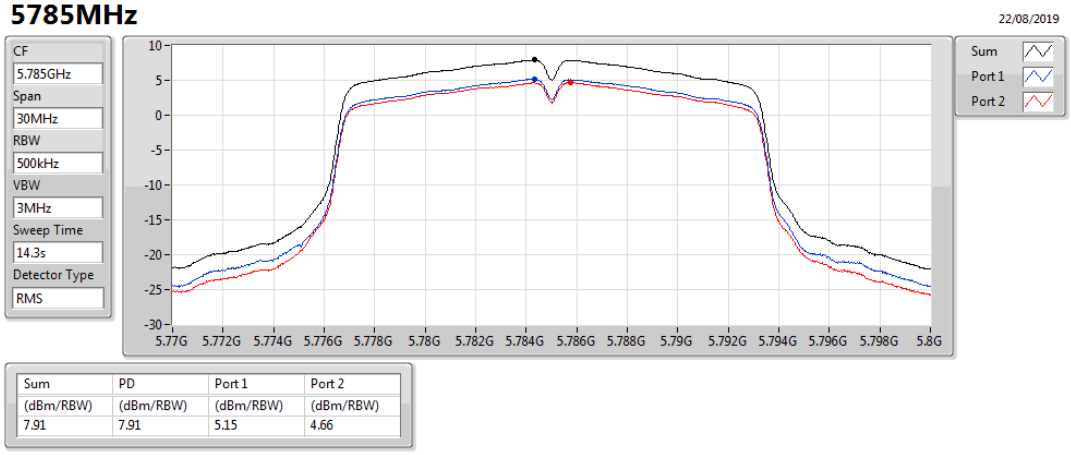
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.28	7.28	4.37	4.19

802.11a_Nss1,(6Mbps)_2TX PSD

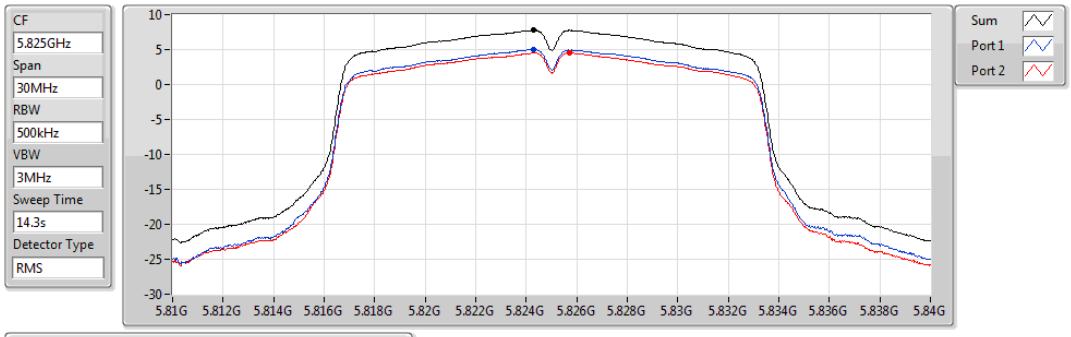
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.91	7.91	5.15	4.66

802.11a_Nss1,(6Mbps)_2TX PSD

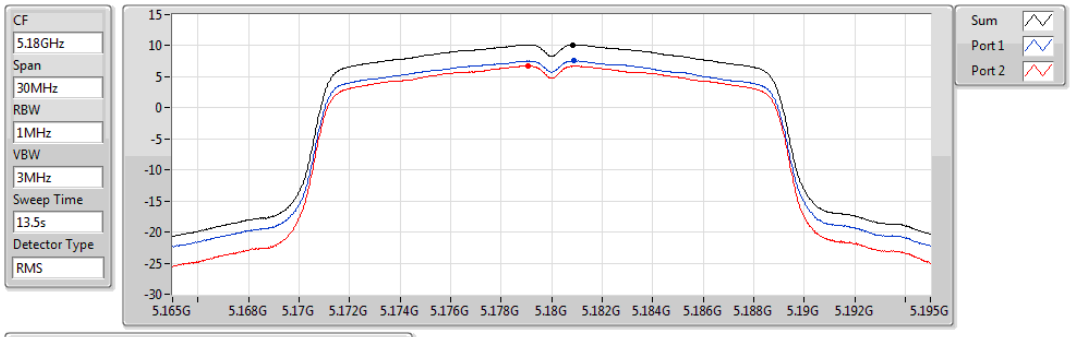
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.77	7.77	5.01	4.53

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

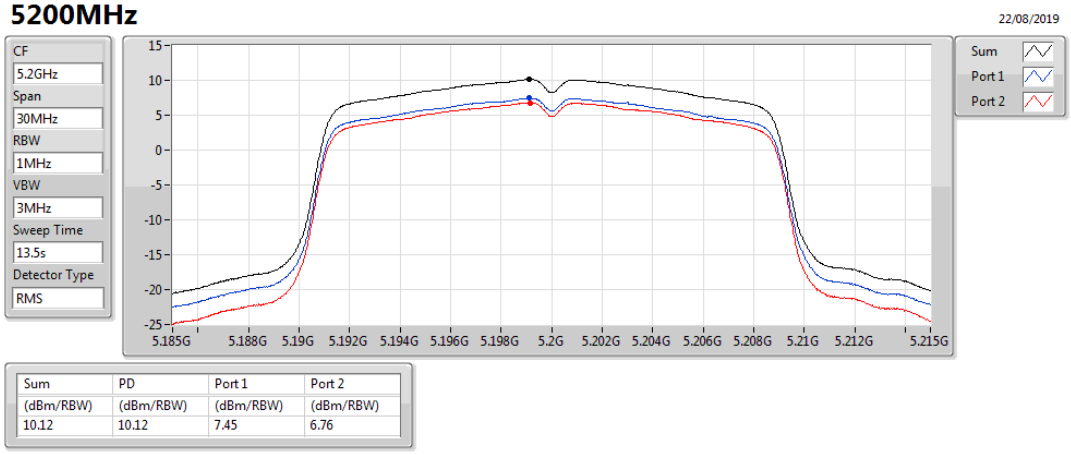
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.15	10.15	7.55	6.70

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

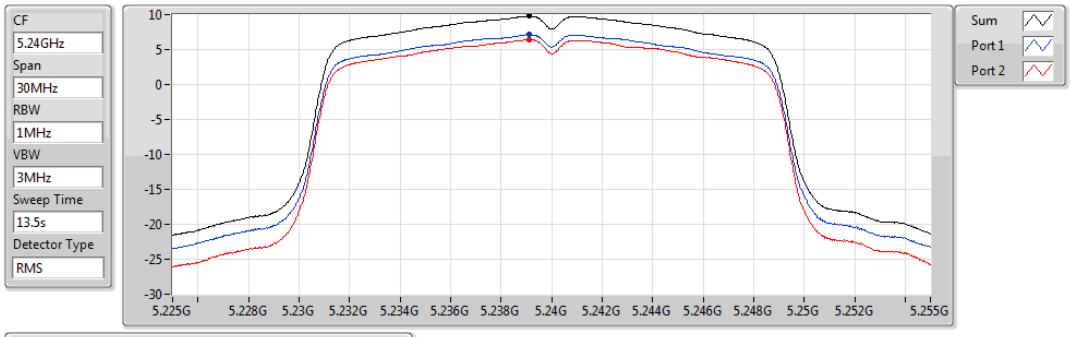
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.12	10.12	7.45	6.76

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

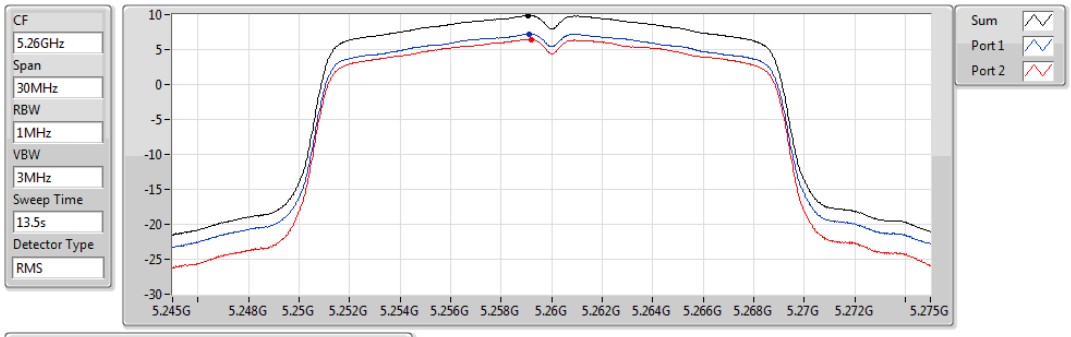
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.79	9.79	7.13	6.39

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

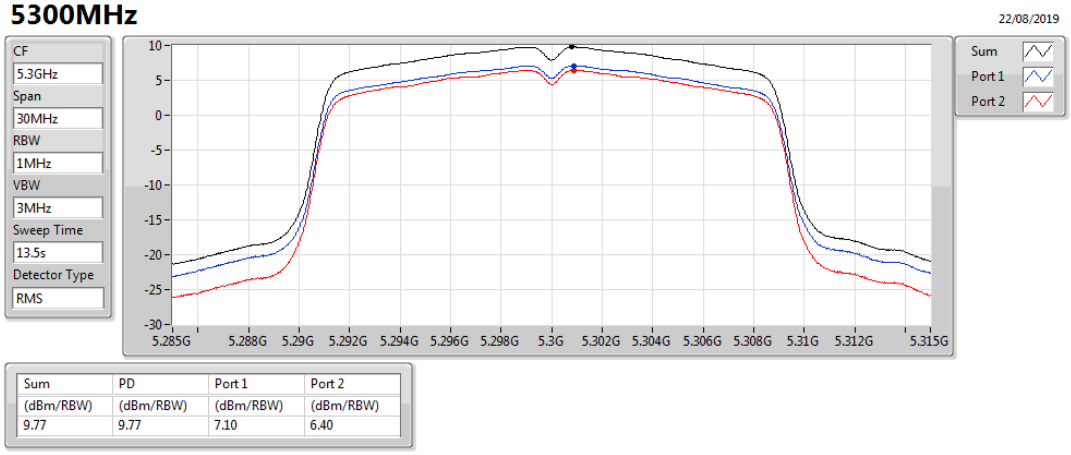
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.83	9.83	7.19	6.42

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

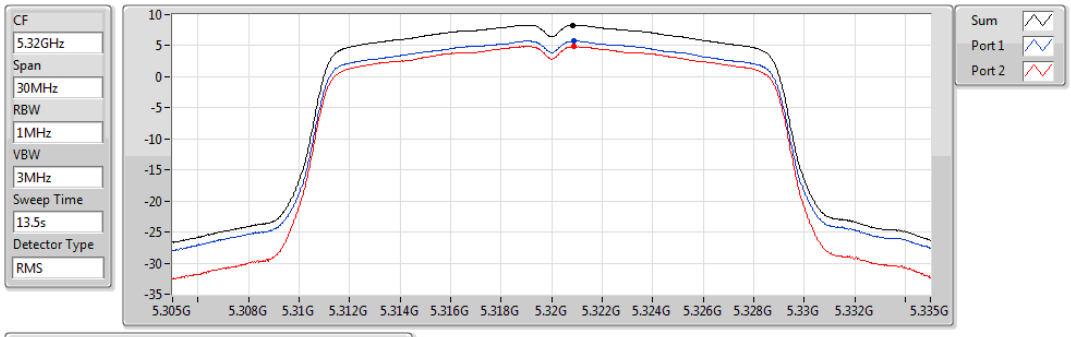
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.77	9.77	7.10	6.40

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

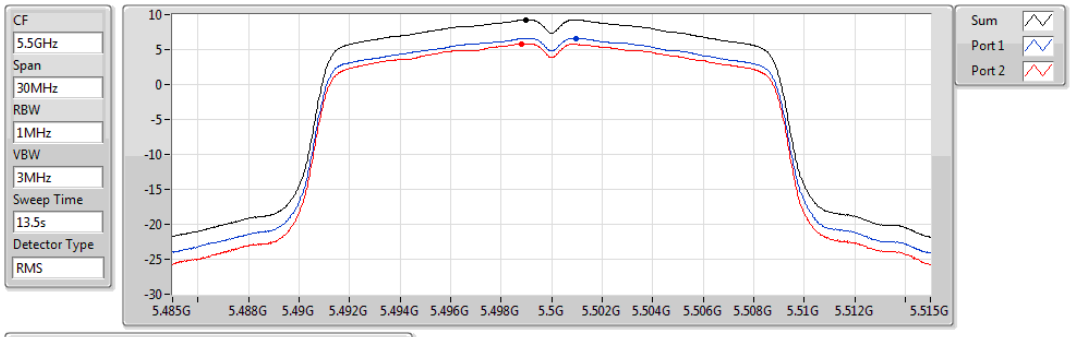
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.32	8.32	5.73	4.85

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

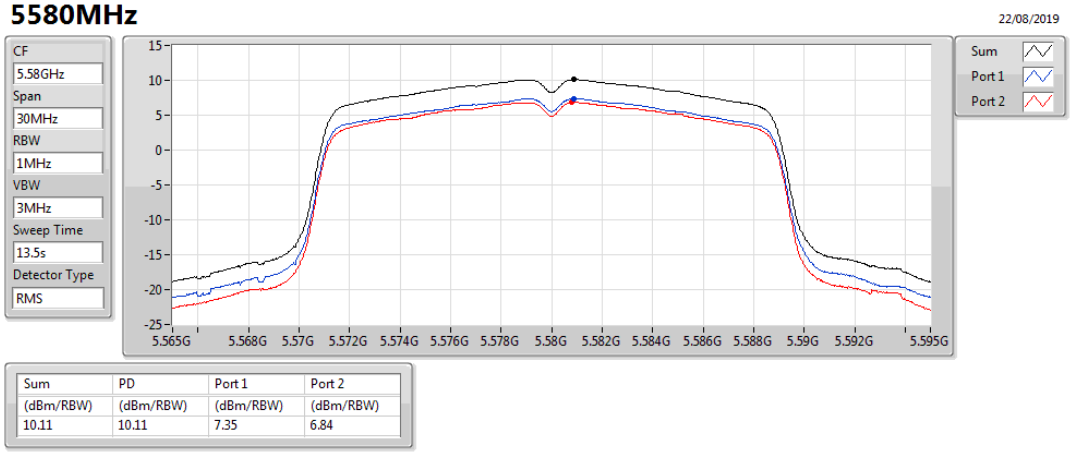
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.25	9.25	6.64	5.81

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

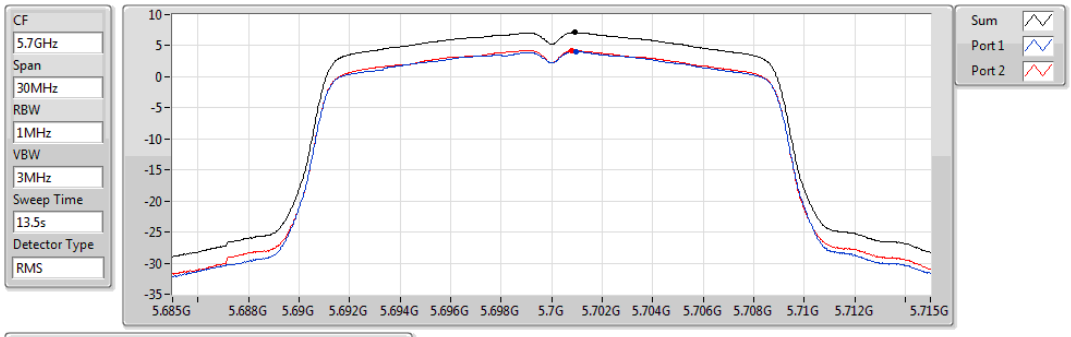
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.11	10.11	7.35	6.84

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

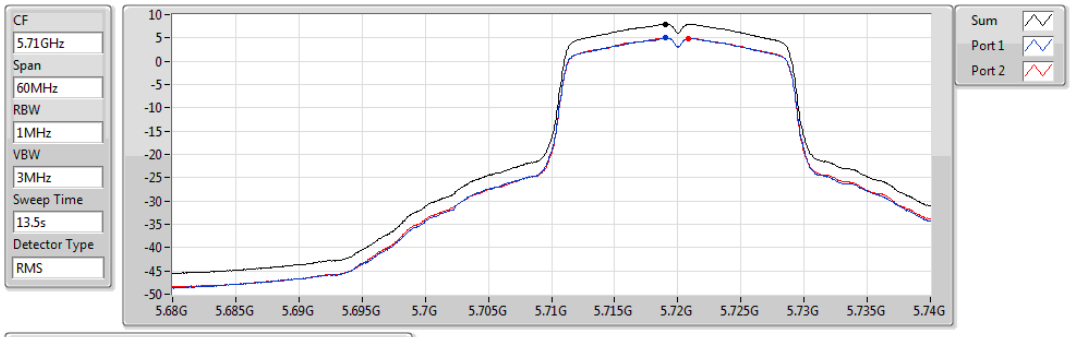
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.11	7.11	4.02	4.19

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

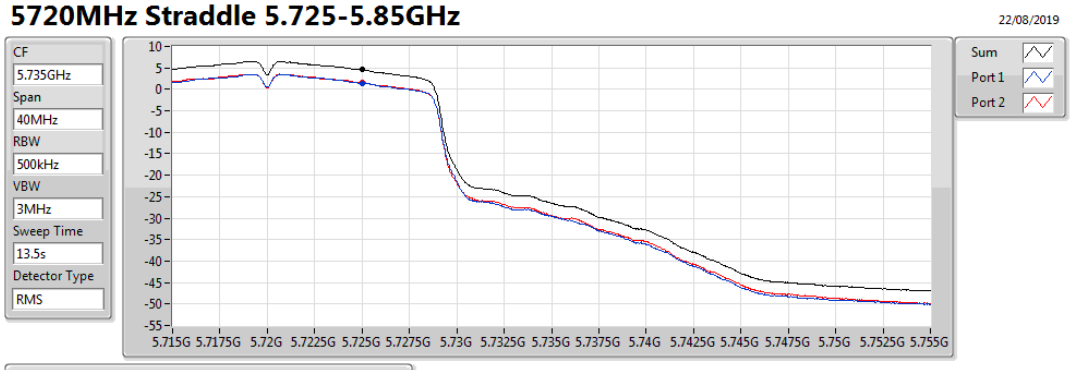
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.96	7.96	4.97	4.96

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

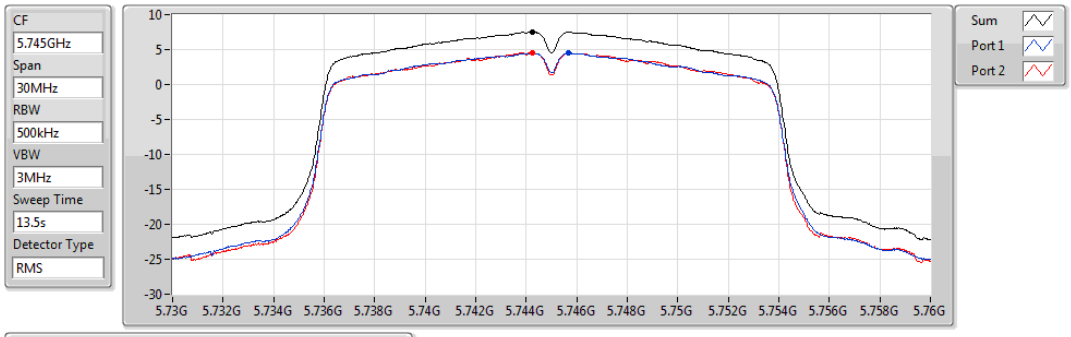
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.55	4.55	1.45	1.63

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

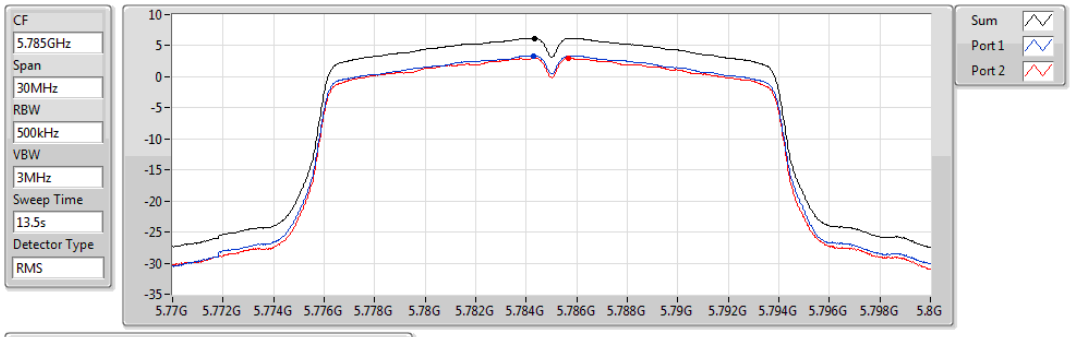
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.53	7.53	4.49	4.59

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

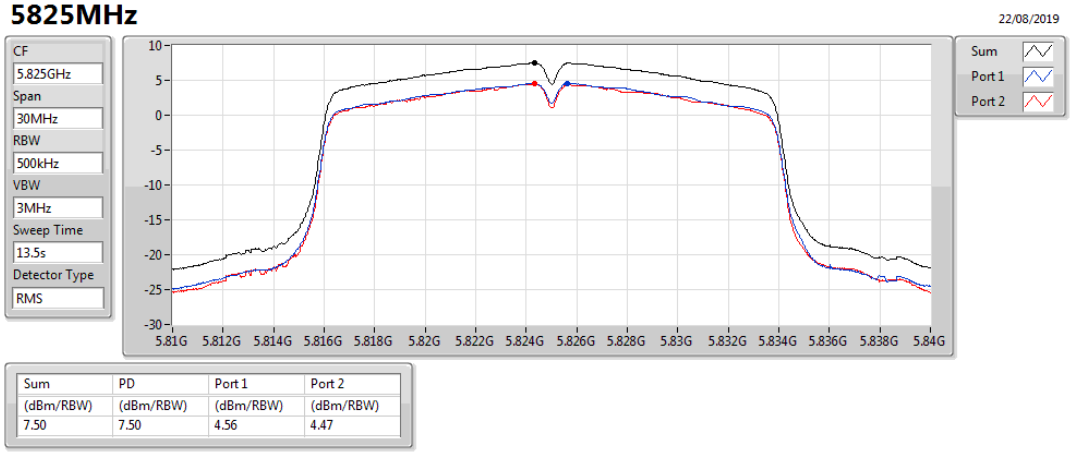
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.18	6.18	3.37	3.02

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

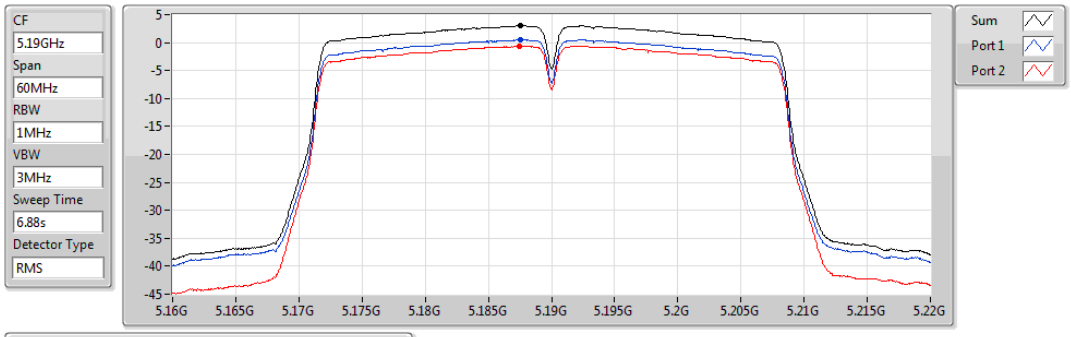
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.50	7.50	4.56	4.47

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

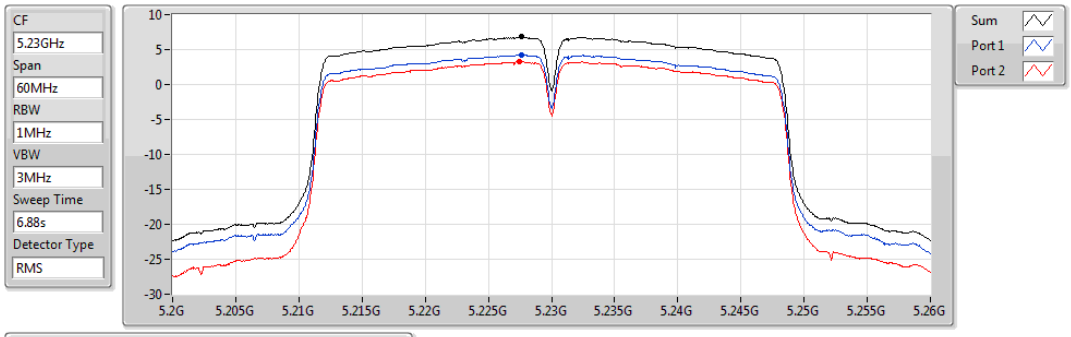
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.04	3.04	0.55	-0.57

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

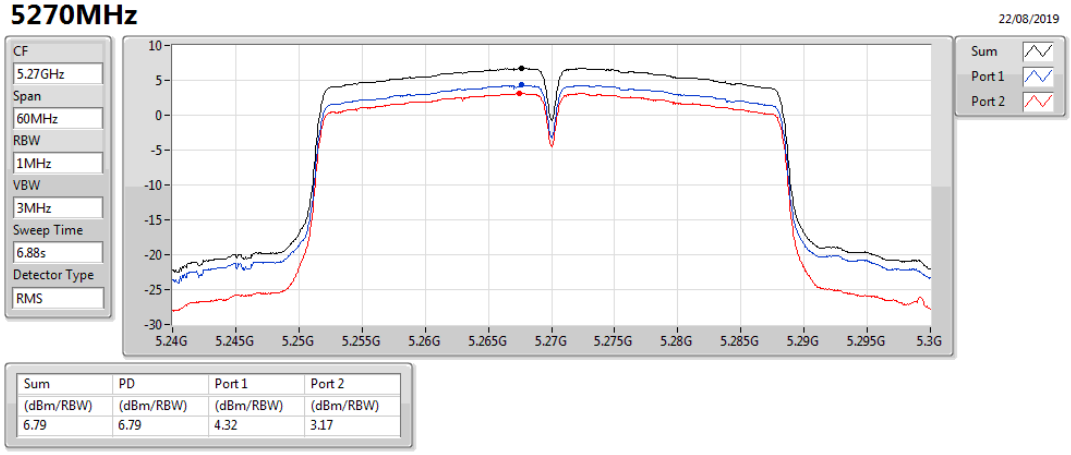
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.81	6.81	4.26	3.28

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

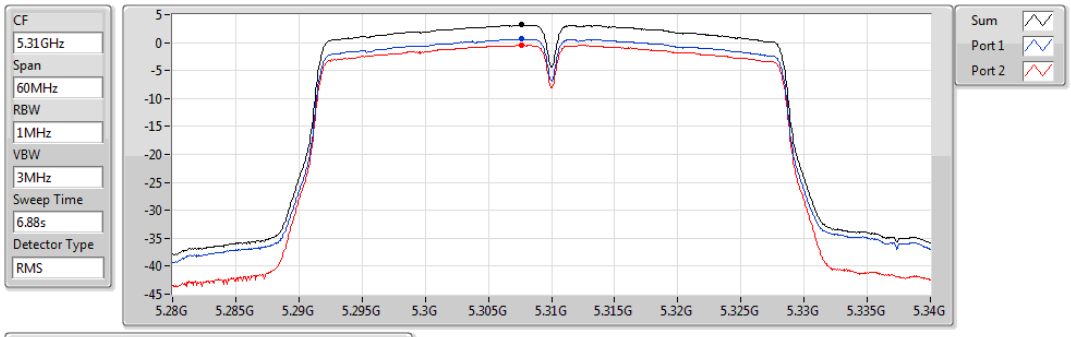
5270MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.79	6.79	4.32	3.17

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

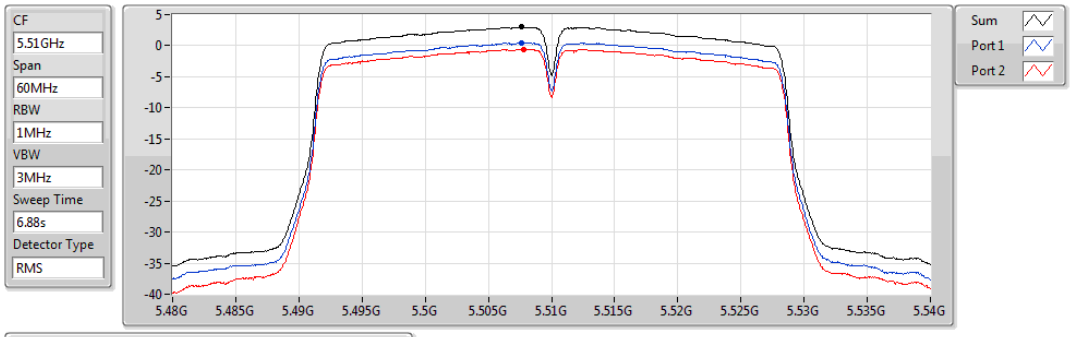
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.15	3.15	0.63	-0.41

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

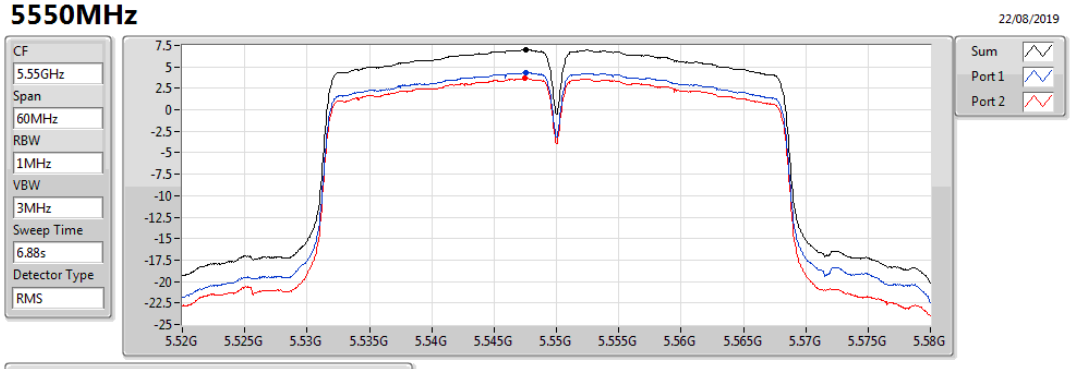
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.99	2.99	0.46	-0.54

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

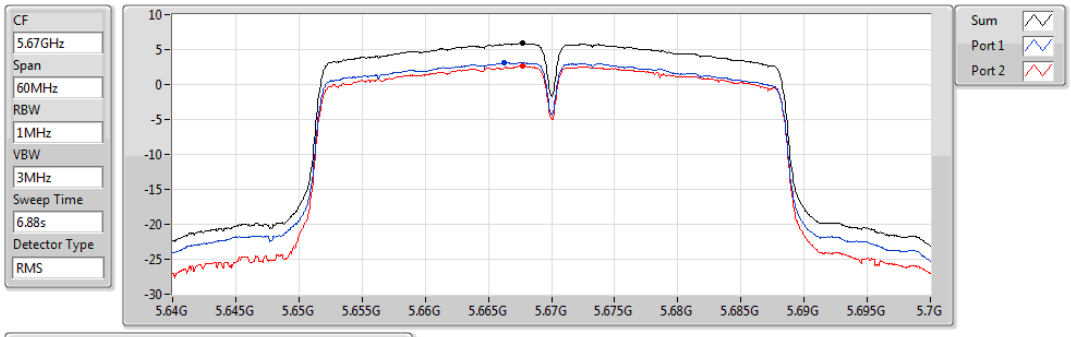
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.03	7.03	4.35	3.68

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

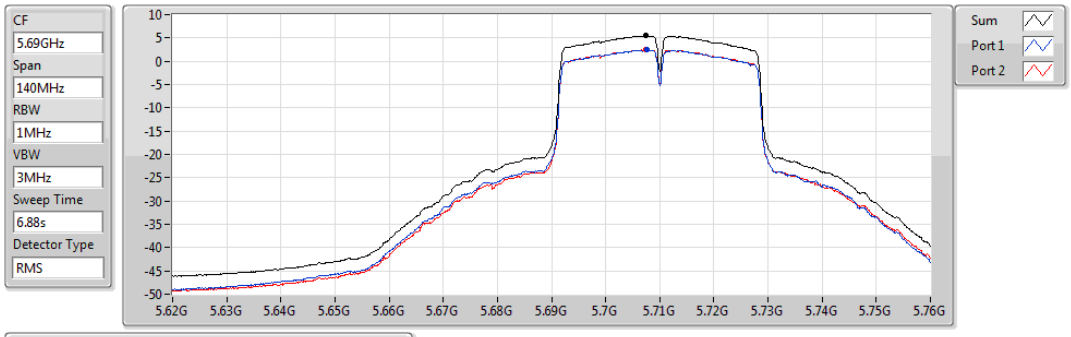
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.89	5.89	3.11	2.65

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

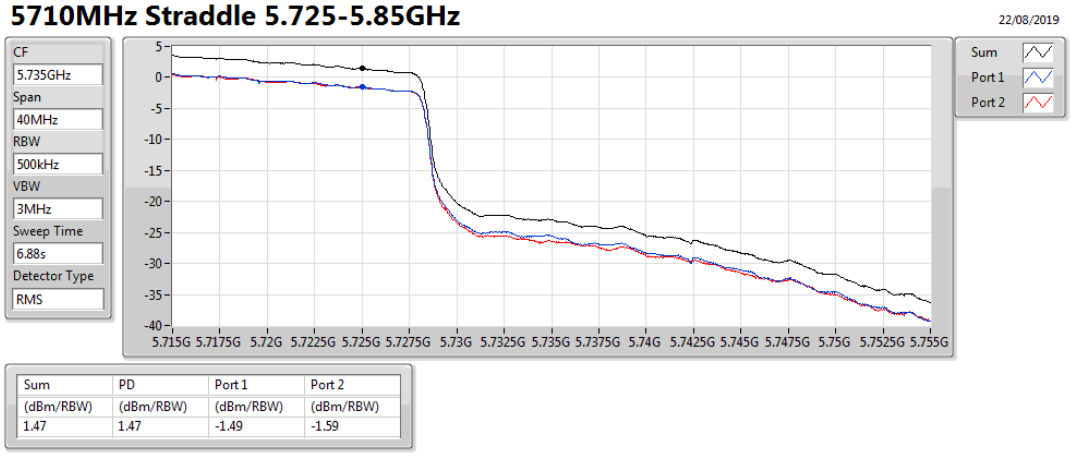
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.46	5.46	2.43	2.47

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

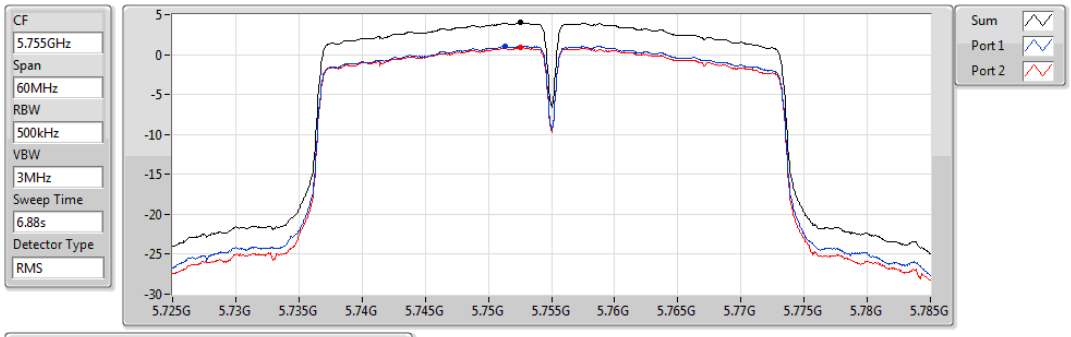
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.47	1.47	-1.49	-1.59

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

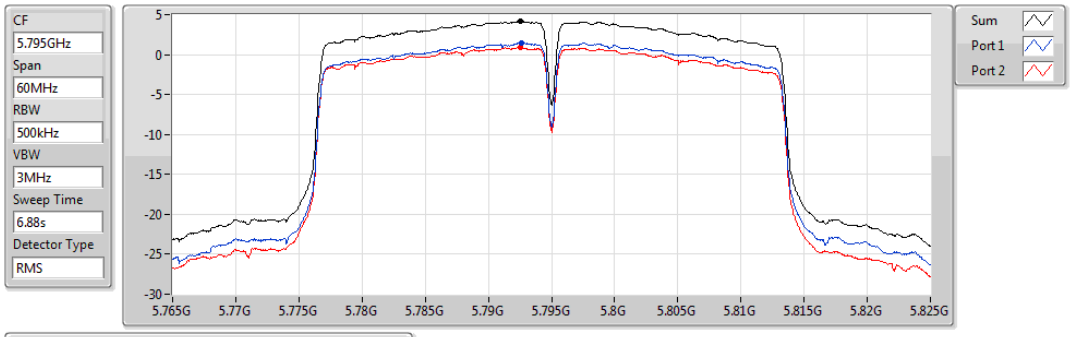
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.00	4.00	1.08	0.93

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

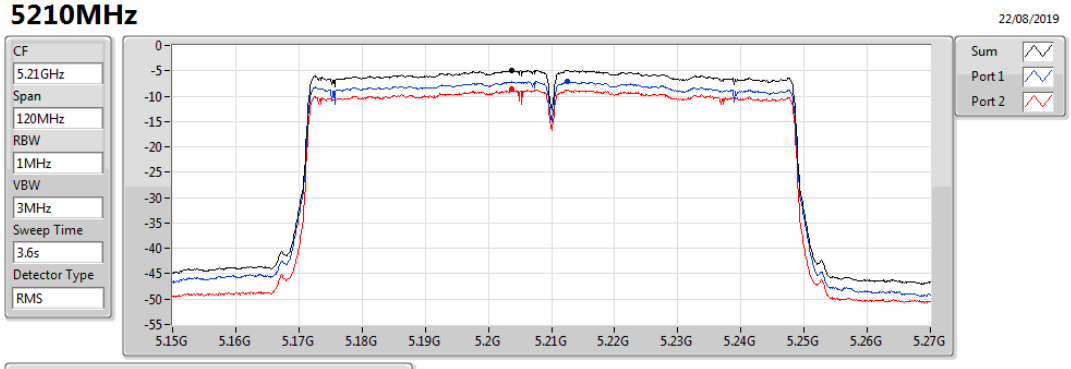
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.22	4.22	1.48	0.92

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

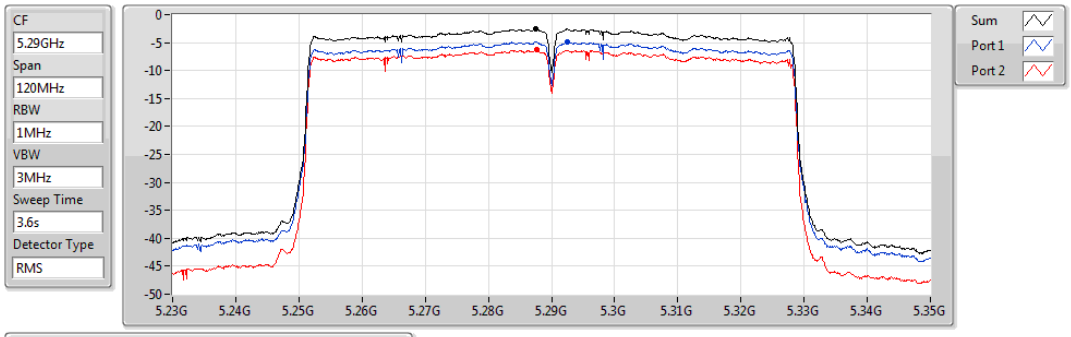
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.90	-4.90	-7.13	-8.70

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

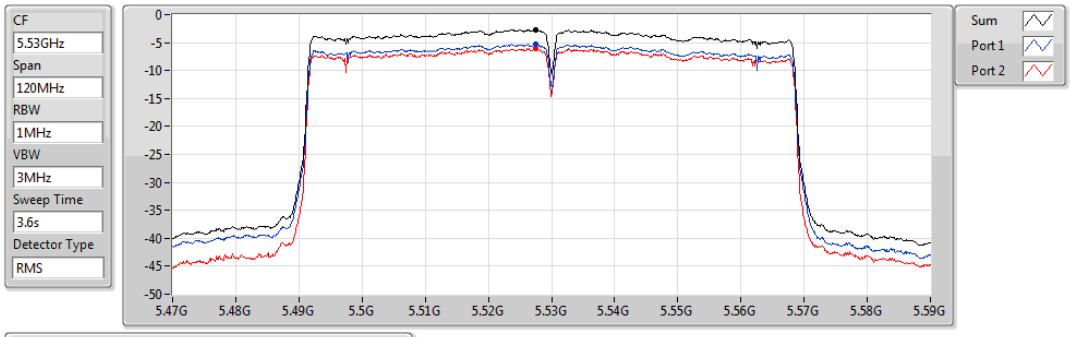
5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.55	-2.55	-4.86	-6.31

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

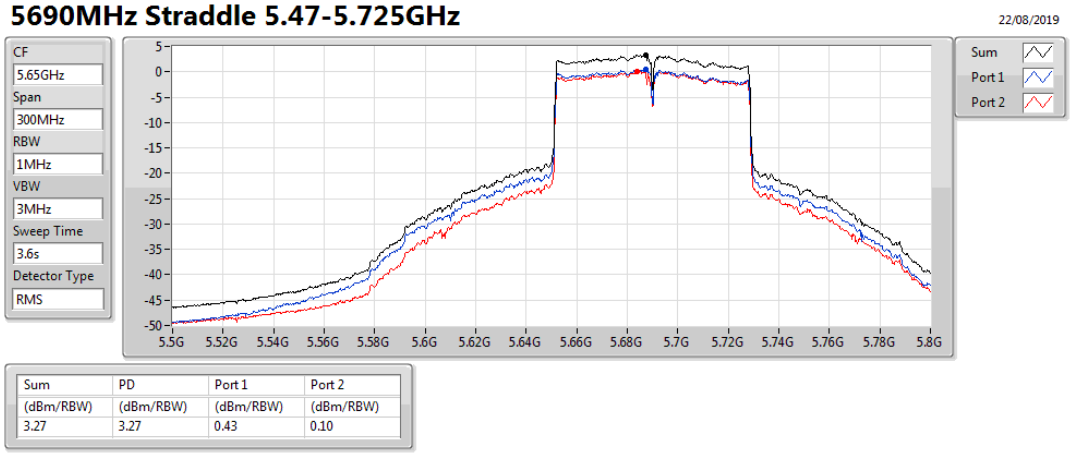
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.64	-2.64	-5.31	-6.01

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

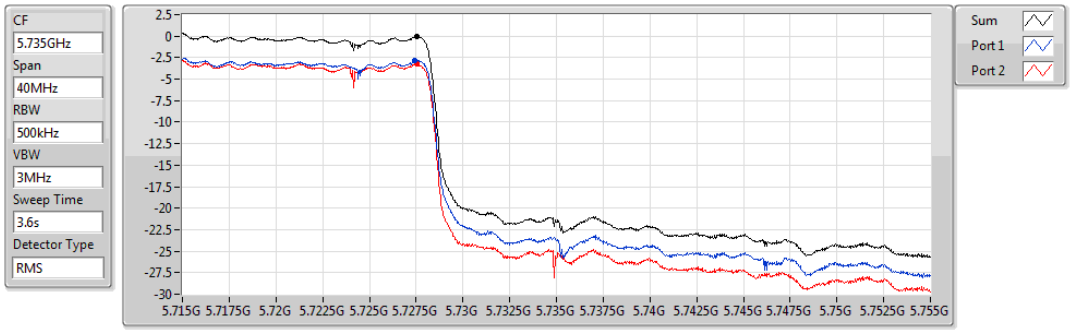
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.27	3.27	0.43	0.10

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

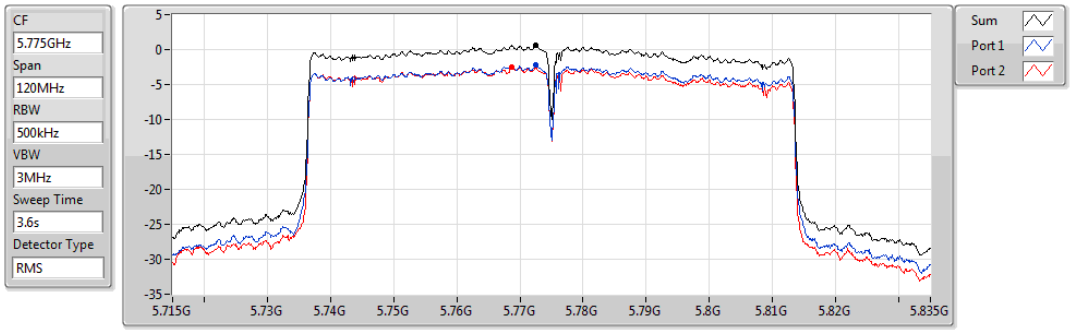
5690MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.02	0.02	-2.77	-3.23

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.63	0.63	-2.14	-2.55

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	QP	115.36M	38.76	43.50	-4.74	3	Horizontal	360	1.00	-

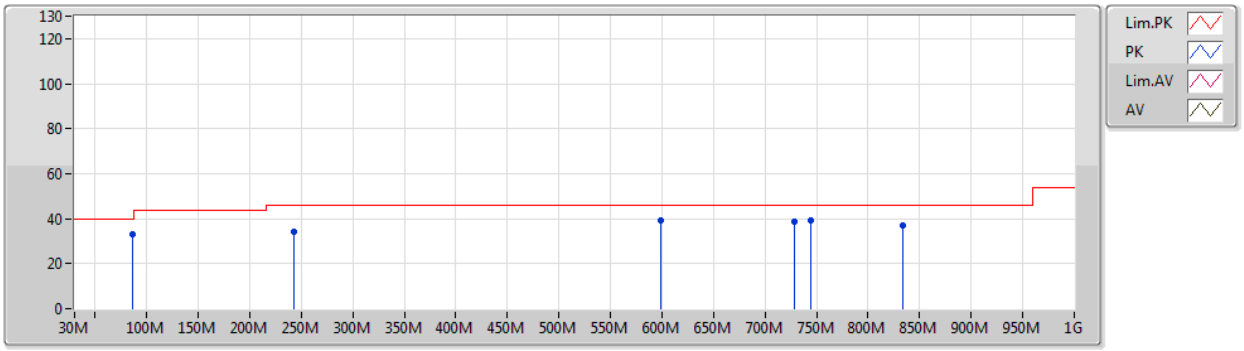
Result

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	86.26M	32.81	40.00	-7.19	3	Vertical	0	2.00	-
5775MHz	Pass	PK	243.4M	34.03	46.00	-11.97	3	Vertical	0	2.00	-
5775MHz	Pass	PK	598.42M	39.38	46.00	-6.62	3	Vertical	0	2.00	-
5775MHz	Pass	PK	728.4M	38.91	46.00	-7.09	3	Vertical	0	2.00	-
5775MHz	Pass	PK	743.92M	39.29	46.00	-6.71	3	Vertical	0	2.00	-
5775MHz	Pass	PK	833.16M	36.87	46.00	-9.13	3	Vertical	0	2.00	-
5775MHz	Pass	PK	233.7M	37.73	46.00	-8.27	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	598.42M	35.99	46.00	-10.01	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	728.4M	37.85	46.00	-8.15	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	747.8M	37.37	46.00	-8.63	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	833.16M	36.50	46.00	-9.50	3	Horizontal	360	1.00	-
5775MHz	Pass	QP	115.36M	38.76	43.50	-4.74	3	Horizontal	360	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_USB

22/08/2019

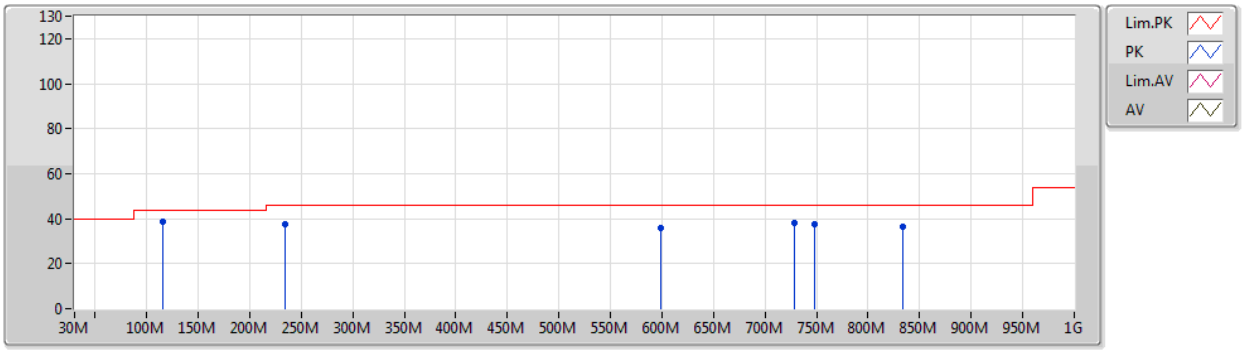


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	86.26M	32.81	40.00	-7.19	-22.89	3	Vertical	0	2.00	-	55.70	13.24	0.76	36.89
PK	243.4M	34.03	46.00	-11.97	-18.09	3	Vertical	0	2.00	-	52.12	17.04	1.28	36.41
PK	598.42M	39.38	46.00	-6.62	-10.45	3	Vertical	0	2.00	-	49.83	24.68	2.09	37.22
PK	728.4M	38.91	46.00	-7.09	-8.49	3	Vertical	0	2.00	-	47.40	26.59	2.32	37.40
PK	743.92M	39.29	46.00	-6.71	-7.98	3	Vertical	0	2.00	-	47.27	27.10	2.34	37.42
PK	833.16M	36.87	46.00	-9.13	-7.04	3	Vertical	0	2.00	-	43.91	27.98	2.48	37.50

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_USB

22/08/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	233.7M	37.73	46.00	-8.27	-19.31	3	Horizontal	360	1.00	-	57.04	15.83	1.26	36.40
PK	598.42M	35.99	46.00	-10.01	-10.45	3	Horizontal	360	1.00	-	46.44	24.68	2.09	37.22
PK	728.4M	37.85	46.00	-8.15	-8.49	3	Horizontal	360	1.00	-	46.34	26.59	2.32	37.40
PK	747.8M	37.37	46.00	-8.63	-7.95	3	Horizontal	360	1.00	-	45.32	27.13	2.35	37.43
PK	833.16M	36.50	46.00	-9.50	-7.04	3	Horizontal	360	1.00	-	43.54	27.98	2.48	37.50
QP	115.36M	38.76	43.50	-4.74	-19.39	3	Horizontal	360	1.00	-	58.15	16.46	0.87	36.72

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	15.60288G	52.53	54.00	-1.47	3	Horizontal	178	1.00	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	15.54294G	52.98	54.00	-1.02	3	Horizontal	207	1.00	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.1488G	52.26	54.00	-1.74	3	Vertical	18	2.28	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.149G	52.93	54.00	-1.07	3	Vertical	15	2.50	-
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.35G	52.95	54.00	-1.05	3	Vertical	26	2.34	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.3504G	51.06	54.00	-2.94	3	Vertical	22	2.27	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.3508G	52.48	54.00	-1.52	3	Vertical	17	2.33	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.35G	52.67	54.00	-1.33	3	Vertical	1	2.33	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.4696G	67.17	68.20	-1.03	3	Vertical	20	2.23	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	11.15808G	52.82	54.00	-1.18	3	Horizontal	44	1.14	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	5.7258G	66.53	68.20	-1.67	3	Vertical	40	2.28	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.456G	52.86	54.00	-1.14	3	Vertical	33	2.09	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	17.48256G	66.86	68.20	-1.34	3	Vertical	41	1.56	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	11.48712G	52.95	54.00	-1.05	3	Horizontal	180	1.08	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	11.5096G	51.91	54.00	-2.09	3	Horizontal	36	1.42	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	17.31384G	64.94	68.20	-3.26	3	Vertical	271	1.07	-

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	52.13	54.00	-1.87	3	Vertical	353	2.22	-
5180MHz	Pass	AV	5.181G	106.63	Inf	-Inf	3	Vertical	353	2.22	-
5180MHz	Pass	PK	5.146G	68.45	74.00	-5.55	3	Vertical	353	2.22	-
5180MHz	Pass	PK	5.1814G	115.74	Inf	-Inf	3	Vertical	353	2.22	-
5180MHz	Pass	AV	5.15G	50.56	54.00	-3.44	3	Horizontal	142	2.48	-
5180MHz	Pass	AV	5.181G	103.64	Inf	-Inf	3	Horizontal	142	2.48	-
5180MHz	Pass	PK	5.1498G	65.61	74.00	-8.39	3	Horizontal	142	2.48	-
5180MHz	Pass	PK	5.1812G	112.72	Inf	-Inf	3	Horizontal	142	2.48	-
5180MHz	Pass	AV	15.53826G	49.05	54.00	-4.95	3	Vertical	189	2.60	-
5180MHz	Pass	PK	10.35436G	56.88	68.20	-11.32	3	Vertical	46	1.00	-
5180MHz	Pass	PK	15.53802G	63.08	74.00	-10.92	3	Vertical	189	2.60	-
5180MHz	Pass	AV	15.5433G	51.90	54.00	-2.10	3	Horizontal	197	2.76	-
5180MHz	Pass	PK	10.36114G	60.04	68.20	-8.16	3	Horizontal	178	1.50	-
5180MHz	Pass	PK	15.54378G	66.14	74.00	-7.86	3	Horizontal	197	2.76	-
5200MHz	Pass	AV	5.1468G	46.40	54.00	-7.60	3	Vertical	356	2.57	-
5200MHz	Pass	AV	5.2016G	107.36	Inf	-Inf	3	Vertical	356	2.57	-
5200MHz	Pass	PK	5.1468G	60.50	74.00	-13.50	3	Vertical	356	2.57	-
5200MHz	Pass	PK	5.202G	116.83	Inf	-Inf	3	Vertical	356	2.57	-
5200MHz	Pass	AV	5.15G	45.90	54.00	-8.10	3	Horizontal	144	2.36	-
5200MHz	Pass	AV	5.2008G	104.70	Inf	-Inf	3	Horizontal	144	2.36	-
5200MHz	Pass	PK	5.15G	59.81	74.00	-14.19	3	Horizontal	144	2.36	-
5200MHz	Pass	PK	5.2004G	113.80	Inf	-Inf	3	Horizontal	144	2.36	-
5200MHz	Pass	AV	15.6027G	49.47	54.00	-4.53	3	Vertical	199	2.68	-
5200MHz	Pass	PK	10.40174G	59.82	68.20	-8.38	3	Vertical	5	2.97	-
5200MHz	Pass	PK	15.59742G	63.76	74.00	-10.24	3	Vertical	199	2.68	-
5200MHz	Pass	AV	15.60288G	52.53	54.00	-1.47	3	Horizontal	178	1.00	-
5200MHz	Pass	PK	10.40078G	60.50	68.20	-7.70	3	Horizontal	178	1.50	-
5200MHz	Pass	PK	15.59754G	66.35	74.00	-7.65	3	Horizontal	178	1.00	-
5240MHz	Pass	AV	5.1458G	45.21	54.00	-8.79	3	Vertical	354	2.43	-
5240MHz	Pass	AV	5.2412G	108.24	Inf	-Inf	3	Vertical	354	2.43	-
5240MHz	Pass	AV	5.3528G	45.11	54.00	-8.89	3	Vertical	354	2.43	-
5240MHz	Pass	PK	5.1464G	58.66	74.00	-15.34	3	Vertical	354	2.43	-
5240MHz	Pass	PK	5.2412G	117.33	Inf	-Inf	3	Vertical	354	2.43	-
5240MHz	Pass	PK	5.35G	56.86	74.00	-17.14	3	Vertical	354	2.43	-
5240MHz	Pass	AV	5.1188G	43.70	54.00	-10.30	3	Horizontal	341	2.28	-
5240MHz	Pass	AV	5.2388G	102.95	Inf	-Inf	3	Horizontal	341	2.28	-
5240MHz	Pass	AV	5.3522G	44.16	54.00	-9.84	3	Horizontal	341	2.28	-
5240MHz	Pass	PK	5.1284G	56.21	74.00	-17.79	3	Horizontal	341	2.28	-
5240MHz	Pass	PK	5.2394G	112.17	Inf	-Inf	3	Horizontal	341	2.28	-
5240MHz	Pass	PK	5.3708G	56.87	74.00	-17.13	3	Horizontal	341	2.28	-
5240MHz	Pass	AV	15.72234G	46.82	54.00	-7.18	3	Vertical	168	1.50	-
5240MHz	Pass	PK	10.48012G	57.52	68.20	-10.68	3	Vertical	190	3.00	-
5240MHz	Pass	PK	15.7131G	60.16	74.00	-13.84	3	Vertical	168	1.50	-
5240MHz	Pass	AV	15.7224G	51.00	54.00	-3.00	3	Horizontal	177	1.00	-
5240MHz	Pass	PK	10.47988G	60.35	68.20	-7.85	3	Horizontal	185	1.50	-
5240MHz	Pass	PK	15.71256G	64.56	74.00	-9.44	3	Horizontal	177	1.00	-
5260MHz	Pass	AV	5.1478G	44.95	54.00	-9.05	3	Vertical	354	2.19	-

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

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	AV	5.2588G	107.81	Inf	-Inf	3	Vertical	354	2.19	-
5260MHz	Pass	AV	5.3518G	45.83	54.00	-8.17	3	Vertical	354	2.19	-
5260MHz	Pass	PK	5.1286G	57.20	74.00	-16.80	3	Vertical	354	2.19	-
5260MHz	Pass	PK	5.2588G	117.03	Inf	-Inf	3	Vertical	354	2.19	-
5260MHz	Pass	PK	5.3554G	58.05	74.00	-15.95	3	Vertical	354	2.19	-
5260MHz	Pass	AV	5.1496G	43.57	54.00	-10.43	3	Horizontal	341	2.60	-
5260MHz	Pass	AV	5.2618G	102.59	Inf	-Inf	3	Horizontal	341	2.60	-
5260MHz	Pass	AV	5.3518G	44.34	54.00	-9.66	3	Horizontal	341	2.60	-
5260MHz	Pass	PK	5.1442G	55.73	74.00	-18.27	3	Horizontal	341	2.60	-
5260MHz	Pass	PK	5.2618G	112.02	Inf	-Inf	3	Horizontal	341	2.60	-
5260MHz	Pass	PK	5.4088G	56.69	74.00	-17.31	3	Horizontal	341	2.60	-
5260MHz	Pass	AV	15.78054G	47.58	54.00	-6.42	3	Vertical	191	2.20	-
5260MHz	Pass	PK	10.51964G	57.36	68.20	-10.84	3	Vertical	189	3.00	-
5260MHz	Pass	PK	15.77472G	60.71	74.00	-13.29	3	Vertical	191	2.20	-
5260MHz	Pass	AV	15.77958G	50.81	54.00	-3.19	3	Horizontal	175	1.03	-
5260MHz	Pass	PK	10.52G	62.53	68.20	-5.67	3	Horizontal	194	2.38	-
5260MHz	Pass	PK	15.77982G	63.82	74.00	-10.18	3	Horizontal	175	1.03	-
5300MHz	Pass	AV	5.2992G	108.46	Inf	-Inf	3	Vertical	26	2.35	-
5300MHz	Pass	AV	5.35G	47.89	54.00	-6.11	3	Vertical	26	2.35	-
5300MHz	Pass	PK	5.2992G	117.84	Inf	-Inf	3	Vertical	26	2.35	-
5300MHz	Pass	PK	5.354G	62.15	74.00	-11.85	3	Vertical	26	2.35	-
5300MHz	Pass	AV	5.3016G	102.75	Inf	-Inf	3	Horizontal	341	2.58	-
5300MHz	Pass	AV	5.3508G	45.26	54.00	-8.74	3	Horizontal	341	2.58	-
5300MHz	Pass	PK	5.3016G	112.23	Inf	-Inf	3	Horizontal	341	2.58	-
5300MHz	Pass	PK	5.3508G	58.80	74.00	-15.20	3	Horizontal	341	2.58	-
5300MHz	Pass	AV	15.89934G	47.10	54.00	-6.90	3	Vertical	187	2.06	-
5300MHz	Pass	PK	10.59997G	59.25	68.20	-8.95	3	Vertical	154	1.03	-
5300MHz	Pass	PK	15.90396G	60.82	74.00	-13.18	3	Vertical	187	2.06	-
5300MHz	Pass	AV	15.90036G	51.34	54.00	-2.66	3	Horizontal	198	2.68	-
5300MHz	Pass	PK	10.59992G	61.97	68.20	-6.23	3	Horizontal	147	1.03	-
5300MHz	Pass	PK	15.90012G	64.86	74.00	-9.14	3	Horizontal	198	2.68	-
5320MHz	Pass	AV	5.3192G	107.05	Inf	-Inf	3	Vertical	26	2.34	-
5320MHz	Pass	AV	5.35G	52.95	54.00	-1.05	3	Vertical	26	2.34	-
5320MHz	Pass	PK	5.3192G	116.20	Inf	-Inf	3	Vertical	26	2.34	-
5320MHz	Pass	PK	5.3538G	67.82	74.00	-6.18	3	Vertical	26	2.34	-
5320MHz	Pass	AV	5.3218G	101.28	Inf	-Inf	3	Horizontal	342	2.33	-
5320MHz	Pass	AV	5.3512G	49.36	54.00	-4.64	3	Horizontal	342	2.33	-
5320MHz	Pass	PK	5.3214G	110.63	Inf	-Inf	3	Horizontal	342	2.33	-
5320MHz	Pass	PK	5.3518G	63.48	74.00	-10.52	3	Horizontal	342	2.33	-
5320MHz	Pass	AV	10.63994G	44.92	54.00	-9.08	3	Vertical	152	1.04	-
5320MHz	Pass	AV	15.96132G	46.31	54.00	-7.69	3	Vertical	185	2.96	-
5320MHz	Pass	PK	10.63994G	58.15	74.00	-15.85	3	Vertical	152	1.04	-
5320MHz	Pass	PK	15.9666G	59.28	74.00	-14.72	3	Vertical	185	2.96	-
5320MHz	Pass	AV	10.63994G	47.30	54.00	-6.70	3	Horizontal	148	1.00	-
5320MHz	Pass	AV	15.96066G	48.93	54.00	-5.07	3	Horizontal	197	2.69	-
5320MHz	Pass	PK	10.64G	60.45	74.00	-13.55	3	Horizontal	148	1.00	-
5320MHz	Pass	PK	15.96048G	63.00	74.00	-11.00	3	Horizontal	197	2.69	-
5500MHz	Pass	AV	5.46G	48.64	54.00	-5.36	3	Vertical	20	2.23	-
5500MHz	Pass	AV	5.501G	106.06	Inf	-Inf	3	Vertical	20	2.23	-

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

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5500MHz	Pass	PK	5.4696G	67.17	68.20	-1.03	3	Vertical	20	2.23	-
5500MHz	Pass	PK	5.5008G	115.36	Inf	-Inf	3	Vertical	20	2.23	-
5500MHz	Pass	AV	5.46G	45.93	54.00	-8.07	3	Horizontal	315	2.37	-
5500MHz	Pass	AV	5.5008G	100.50	Inf	-Inf	3	Horizontal	315	2.37	-
5500MHz	Pass	PK	5.4698G	62.61	68.20	-5.59	3	Horizontal	315	2.37	-
5500MHz	Pass	PK	5.5006G	110.23	Inf	-Inf	3	Horizontal	315	2.37	-
5500MHz	Pass	AV	10.99826G	45.69	54.00	-8.31	3	Vertical	156	1.08	-
5500MHz	Pass	PK	10.99838G	59.13	74.00	-14.87	3	Vertical	156	1.08	-
5500MHz	Pass	PK	16.49988G	60.89	68.20	-7.31	3	Vertical	172	1.82	-
5500MHz	Pass	AV	10.9997G	49.01	54.00	-4.99	3	Horizontal	141	1.04	-
5500MHz	Pass	PK	10.99952G	62.44	74.00	-11.56	3	Horizontal	141	1.04	-
5500MHz	Pass	PK	16.49778G	61.30	68.20	-6.90	3	Horizontal	182	1.01	-
5580MHz	Pass	AV	5.436G	44.79	54.00	-9.21	3	Vertical	22	3.00	-
5580MHz	Pass	AV	5.5812G	108.11	Inf	-Inf	3	Vertical	22	3.00	-
5580MHz	Pass	PK	5.463G	56.11	68.20	-12.09	3	Vertical	22	3.00	-
5580MHz	Pass	PK	5.5812G	117.48	Inf	-Inf	3	Vertical	22	3.00	-
5580MHz	Pass	PK	5.7258G	57.56	68.20	-10.64	3	Vertical	22	3.00	-
5580MHz	Pass	AV	5.4432G	44.06	54.00	-9.94	3	Horizontal	154	2.31	-
5580MHz	Pass	AV	5.5812G	103.18	Inf	-Inf	3	Horizontal	154	2.31	-
5580MHz	Pass	PK	5.4678G	56.07	68.20	-12.13	3	Horizontal	154	2.31	-
5580MHz	Pass	PK	5.5812G	113.04	Inf	-Inf	3	Horizontal	154	2.31	-
5580MHz	Pass	PK	5.7276G	55.52	68.20	-12.68	3	Horizontal	154	2.31	-
5580MHz	Pass	AV	11.1588G	49.85	54.00	-4.15	3	Vertical	355	2.79	-
5580MHz	Pass	PK	11.1585G	63.29	74.00	-10.71	3	Vertical	355	2.79	-
5580MHz	Pass	PK	16.7379G	63.69	68.20	-4.51	3	Vertical	174	2.33	-
5580MHz	Pass	AV	11.15862G	52.78	54.00	-1.22	3	Horizontal	134	1.09	-
5580MHz	Pass	PK	11.1585G	66.69	74.00	-7.31	3	Horizontal	134	1.09	-
5580MHz	Pass	PK	16.73814G	63.37	68.20	-4.83	3	Horizontal	181	2.00	-
5700MHz	Pass	AV	5.7012G	104.02	Inf	-Inf	3	Vertical	15	1.96	-
5700MHz	Pass	PK	5.7012G	113.66	Inf	-Inf	3	Vertical	15	1.96	-
5700MHz	Pass	PK	5.7268G	66.62	68.20	-1.58	3	Vertical	15	1.96	-
5700MHz	Pass	AV	5.6984G	97.57	Inf	-Inf	3	Horizontal	341	1.06	-
5700MHz	Pass	PK	5.6984G	106.75	Inf	-Inf	3	Horizontal	341	1.06	-
5700MHz	Pass	PK	5.7284G	61.87	68.20	-6.33	3	Horizontal	341	1.06	-
5700MHz	Pass	AV	11.4G	46.44	54.00	-7.56	3	Vertical	136	2.58	-
5700MHz	Pass	PK	11.3994G	59.54	74.00	-14.46	3	Vertical	136	2.58	-
5700MHz	Pass	PK	17.10714G	62.35	68.20	-5.85	3	Vertical	170	1.50	-
5700MHz	Pass	AV	11.40006G	46.67	54.00	-7.33	3	Horizontal	30	1.08	-
5700MHz	Pass	PK	11.39958G	60.15	74.00	-13.85	3	Horizontal	30	1.08	-
5700MHz	Pass	PK	17.11014G	63.12	68.20	-5.08	3	Horizontal	195	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4596G	45.67	54.00	-8.33	3	Vertical	17	2.38	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7212G	104.22	Inf	-Inf	3	Vertical	17	2.38	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4656G	57.15	68.20	-11.05	3	Vertical	17	2.38	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7212G	112.91	Inf	-Inf	3	Vertical	17	2.38	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9G	59.01	68.20	-9.19	3	Vertical	17	2.38	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4596G	45.32	54.00	-8.68	3	Horizontal	282	2.42	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.72G	99.39	Inf	-Inf	3	Horizontal	282	2.42	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4668G	57.65	68.20	-10.55	3	Horizontal	282	2.42	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7188G	108.72	Inf	-Inf	3	Horizontal	282	2.42	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9456G	58.87	68.20	-9.33	3	Horizontal	282	2.42	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43916G	49.18	54.00	-4.82	3	Vertical	321	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43958G	62.29	74.00	-11.71	3	Vertical	321	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.16368G	63.93	68.20	-4.27	3	Vertical	359	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43904G	52.48	54.00	-1.52	3	Horizontal	182	1.09	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44318G	65.16	74.00	-8.84	3	Horizontal	182	1.09	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.16558G	63.98	68.20	-4.22	3	Horizontal	189	1.00	-
5745MHz	Pass	AV	5.7462G	104.67	Inf	-Inf	3	Vertical	15	2.39	-
5745MHz	Pass	PK	5.6454G	58.90	68.20	-9.30	3	Vertical	15	2.39	-
5745MHz	Pass	PK	5.7462G	113.52	Inf	-Inf	3	Vertical	15	2.39	-
5745MHz	Pass	PK	5.9442G	60.10	68.20	-8.10	3	Vertical	15	2.39	-
5745MHz	Pass	AV	5.745G	97.96	Inf	-Inf	3	Horizontal	292	2.08	-
5745MHz	Pass	PK	5.4822G	58.03	68.20	-10.17	3	Horizontal	292	2.08	-
5745MHz	Pass	PK	5.7438G	106.22	Inf	-Inf	3	Horizontal	292	2.08	-
5745MHz	Pass	PK	5.9886G	58.94	68.20	-9.26	3	Horizontal	292	2.08	-
5745MHz	Pass	AV	11.48958G	48.66	54.00	-5.34	3	Vertical	317	1.11	-
5745MHz	Pass	PK	11.48868G	61.55	74.00	-12.45	3	Vertical	317	1.11	-
5745MHz	Pass	PK	17.24274G	63.86	68.20	-4.34	3	Vertical	251	2.06	-
5745MHz	Pass	AV	11.4891G	52.14	54.00	-1.86	3	Horizontal	178	1.08	-
5745MHz	Pass	PK	11.48838G	66.63	74.00	-7.37	3	Horizontal	178	1.08	-
5745MHz	Pass	PK	17.23472G	64.05	68.20	-4.15	3	Horizontal	66	1.00	-
5785MHz	Pass	AV	5.7838G	104.23	Inf	-Inf	3	Vertical	11	2.12	-
5785MHz	Pass	PK	5.5762G	58.29	68.20	-9.91	3	Vertical	11	2.12	-
5785MHz	Pass	PK	5.7838G	113.68	Inf	-Inf	3	Vertical	11	2.12	-
5785MHz	Pass	PK	5.9566G	58.94	68.20	-9.26	3	Vertical	11	2.12	-
5785MHz	Pass	AV	5.7862G	98.75	Inf	-Inf	3	Horizontal	303	2.06	-
5785MHz	Pass	PK	5.5342G	58.14	68.20	-10.06	3	Horizontal	303	2.06	-
5785MHz	Pass	PK	5.7862G	107.17	Inf	-Inf	3	Horizontal	303	2.06	-
5785MHz	Pass	PK	5.9302G	58.47	68.20	-9.73	3	Horizontal	303	2.06	-
5785MHz	Pass	AV	11.56832G	48.92	54.00	-5.08	3	Vertical	155	2.38	-
5785MHz	Pass	PK	11.5682G	62.38	74.00	-11.62	3	Vertical	155	2.38	-
5785MHz	Pass	PK	17.35488G	64.40	68.20	-3.80	3	Vertical	122	1.49	-
5785MHz	Pass	AV	11.56826G	52.47	54.00	-1.53	3	Horizontal	110	1.21	-
5785MHz	Pass	PK	11.56838G	65.17	74.00	-8.83	3	Horizontal	110	1.21	-
5785MHz	Pass	PK	17.34924G	64.75	68.20	-3.45	3	Horizontal	216	1.63	-
5825MHz	Pass	AV	5.8262G	102.79	Inf	-Inf	3	Vertical	350	2.25	-
5825MHz	Pass	PK	5.8262G	112.21	Inf	-Inf	3	Vertical	350	2.25	-
5825MHz	Pass	PK	5.6078G	58.11	68.20	-10.09	3	Vertical	350	2.25	-
5825MHz	Pass	PK	5.9306G	59.79	68.20	-8.41	3	Vertical	350	2.25	-
5825MHz	Pass	AV	5.825G	94.36	Inf	-Inf	3	Horizontal	291	1.01	-
5825MHz	Pass	PK	5.5838G	56.44	68.20	-11.76	3	Horizontal	291	1.01	-
5825MHz	Pass	PK	5.8238G	103.52	Inf	-Inf	3	Horizontal	291	1.01	-
5825MHz	Pass	PK	5.9582G	56.59	68.20	-11.61	3	Horizontal	291	1.01	-
5825MHz	Pass	AV	11.6539G	45.98	54.00	-8.02	3	Vertical	331	1.20	-
5825MHz	Pass	PK	11.64868G	58.37	74.00	-15.63	3	Vertical	331	1.20	-
5825MHz	Pass	PK	17.48256G	66.86	68.20	-1.34	3	Vertical	41	1.56	-
5825MHz	Pass	AV	11.65372G	52.39	54.00	-1.61	3	Horizontal	115	1.00	-
5825MHz	Pass	PK	11.64886G	65.92	74.00	-8.08	3	Horizontal	115	1.00	-
5825MHz	Pass	PK	17.47488G	66.38	68.20	-1.82	3	Horizontal	352	1.63	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	52.90	54.00	-1.10	3	Vertical	55	1.06	-
5180MHz	Pass	AV	5.1806G	105.16	Inf	-Inf	3	Vertical	55	1.06	-
5180MHz	Pass	PK	5.15G	67.72	74.00	-6.28	3	Vertical	55	1.06	-
5180MHz	Pass	PK	5.1782G	113.93	Inf	-Inf	3	Vertical	55	1.06	-
5180MHz	Pass	PK	5.149G	63.60	74.00	-10.40	3	Horizontal	344	1.00	-
5180MHz	Pass	AV	5.1496G	50.00	54.00	-4.00	3	Horizontal	344	1.00	-
5180MHz	Pass	PK	5.182G	111.13	Inf	-Inf	3	Horizontal	344	1.00	-
5180MHz	Pass	AV	5.1822G	101.56	Inf	-Inf	3	Horizontal	344	1.00	-
5180MHz	Pass	AV	15.54018G	48.83	54.00	-5.17	3	Vertical	206	2.56	-
5180MHz	Pass	PK	10.3606G	59.38	68.20	-8.82	3	Vertical	254	1.14	-
5180MHz	Pass	PK	15.55128G	61.34	74.00	-12.66	3	Vertical	206	2.56	-
5180MHz	Pass	AV	15.54294G	52.98	54.00	-1.02	3	Horizontal	207	1.00	-
5180MHz	Pass	PK	10.35712G	62.23	68.20	-5.97	3	Horizontal	199	1.11	-
5180MHz	Pass	PK	15.54012G	65.94	74.00	-8.06	3	Horizontal	207	1.00	-
5200MHz	Pass	AV	5.15G	46.10	54.00	-7.90	3	Vertical	351	2.81	-
5200MHz	Pass	AV	5.2004G	105.17	Inf	-Inf	3	Vertical	351	2.81	-
5200MHz	Pass	PK	5.1008G	57.94	74.00	-16.06	3	Vertical	351	2.81	-
5200MHz	Pass	PK	5.198G	114.19	Inf	-Inf	3	Vertical	351	2.81	-
5200MHz	Pass	AV	5.1448G	45.33	54.00	-8.67	3	Horizontal	344	1.00	-
5200MHz	Pass	AV	5.1996G	100.46	Inf	-Inf	3	Horizontal	344	1.00	-
5200MHz	Pass	PK	5.1368G	56.92	74.00	-17.08	3	Horizontal	344	1.00	-
5200MHz	Pass	PK	5.202G	110.58	Inf	-Inf	3	Horizontal	344	1.00	-
5200MHz	Pass	AV	15.60006G	52.27	54.00	-1.73	3	Vertical	220	1.00	-
5200MHz	Pass	PK	10.40054G	57.07	68.20	-11.13	3	Vertical	224	1.32	-
5200MHz	Pass	PK	15.6051G	66.18	74.00	-7.82	3	Vertical	220	1.00	-
5200MHz	Pass	AV	15.60006G	52.11	54.00	-1.89	3	Horizontal	219	1.00	-
5200MHz	Pass	PK	10.39712G	61.64	68.20	-6.56	3	Horizontal	197	1.26	-
5200MHz	Pass	PK	15.5973G	65.55	74.00	-8.45	3	Horizontal	219	1.00	-
5240MHz	Pass	AV	5.15G	45.93	54.00	-8.07	3	Vertical	5	2.78	-
5240MHz	Pass	AV	5.2376G	105.61	Inf	-Inf	3	Vertical	5	2.78	-
5240MHz	Pass	AV	5.3522G	45.48	54.00	-8.52	3	Vertical	5	2.78	-
5240MHz	Pass	PK	5.1116G	57.32	74.00	-16.68	3	Vertical	5	2.78	-
5240MHz	Pass	PK	5.2376G	114.66	Inf	-Inf	3	Vertical	5	2.78	-
5240MHz	Pass	PK	5.3894G	56.94	74.00	-17.06	3	Vertical	5	2.78	-
5240MHz	Pass	AV	5.0954G	45.32	54.00	-8.68	3	Horizontal	143	2.51	-
5240MHz	Pass	AV	5.2418G	103.88	Inf	-Inf	3	Horizontal	143	2.51	-
5240MHz	Pass	AV	5.357G	45.49	54.00	-8.51	3	Horizontal	143	2.51	-
5240MHz	Pass	PK	5.1326G	58.13	74.00	-15.87	3	Horizontal	143	2.51	-
5240MHz	Pass	PK	5.2394G	113.34	Inf	-Inf	3	Horizontal	143	2.51	-
5240MHz	Pass	PK	5.3564G	57.03	74.00	-16.97	3	Horizontal	143	2.51	-
5240MHz	Pass	AV	15.71724G	47.20	54.00	-6.80	3	Vertical	202	2.75	-
5240MHz	Pass	PK	10.48222G	58.46	68.20	-9.74	3	Vertical	120	1.01	-
5240MHz	Pass	PK	15.71418G	61.20	74.00	-12.80	3	Vertical	202	2.75	-
5240MHz	Pass	AV	15.72402G	51.19	54.00	-2.81	3	Horizontal	215	1.00	-
5240MHz	Pass	PK	10.48492G	61.57	68.20	-6.63	3	Horizontal	153	1.00	-
5240MHz	Pass	PK	15.71652G	64.24	74.00	-9.76	3	Horizontal	215	1.00	-
5260MHz	Pass	AV	5.1328G	45.76	54.00	-8.24	3	Vertical	13	2.63	-
5260MHz	Pass	AV	5.2588G	106.38	Inf	-Inf	3	Vertical	13	2.63	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	AV	5.359G	46.20	54.00	-7.80	3	Vertical	13	2.63	-
5260MHz	Pass	PK	5.1358G	57.54	74.00	-16.46	3	Vertical	13	2.63	-
5260MHz	Pass	PK	5.2612G	115.18	Inf	-Inf	3	Vertical	13	2.63	-
5260MHz	Pass	PK	5.3728G	58.18	74.00	-15.82	3	Vertical	13	2.63	-
5260MHz	Pass	AV	5.1436G	44.82	54.00	-9.18	3	Horizontal	343	1.12	-
5260MHz	Pass	AV	5.2588G	102.47	Inf	-Inf	3	Horizontal	343	1.12	-
5260MHz	Pass	AV	5.3524G	45.57	54.00	-8.43	3	Horizontal	343	1.12	-
5260MHz	Pass	PK	5.119G	56.06	74.00	-17.94	3	Horizontal	343	1.12	-
5260MHz	Pass	PK	5.2606G	111.67	Inf	-Inf	3	Horizontal	343	1.12	-
5260MHz	Pass	PK	5.3914G	57.34	74.00	-16.66	3	Horizontal	343	1.12	-
5260MHz	Pass	AV	15.78642G	48.10	54.00	-5.90	3	Vertical	51	1.01	-
5260MHz	Pass	PK	10.51718G	58.30	68.20	-9.90	3	Vertical	168	1.12	-
5260MHz	Pass	PK	15.77868G	60.10	74.00	-13.90	3	Vertical	51	1.01	-
5260MHz	Pass	AV	15.77868G	49.06	54.00	-4.94	3	Horizontal	56	1.96	-
5260MHz	Pass	PK	10.52498G	61.33	68.20	-6.87	3	Horizontal	178	1.00	-
5260MHz	Pass	PK	15.7761G	62.39	74.00	-11.61	3	Horizontal	56	1.96	-
5300MHz	Pass	AV	5.3016G	106.92	Inf	-Inf	3	Vertical	21	2.28	-
5300MHz	Pass	AV	5.3508G	48.22	54.00	-5.78	3	Vertical	21	2.28	-
5300MHz	Pass	PK	5.2992G	115.96	Inf	-Inf	3	Vertical	21	2.28	-
5300MHz	Pass	PK	5.3508G	60.60	74.00	-13.40	3	Vertical	21	2.28	-
5300MHz	Pass	AV	5.2984G	102.83	Inf	-Inf	3	Horizontal	341	2.35	-
5300MHz	Pass	AV	5.3512G	46.19	54.00	-7.81	3	Horizontal	341	2.35	-
5300MHz	Pass	PK	5.3008G	112.00	Inf	-Inf	3	Horizontal	341	2.35	-
5300MHz	Pass	PK	5.35G	58.13	74.00	-15.87	3	Horizontal	341	2.35	-
5300MHz	Pass	AV	15.89694G	46.92	54.00	-7.08	3	Vertical	208	1.50	-
5300MHz	Pass	PK	10.59472G	58.18	68.20	-10.02	3	Vertical	112	2.82	-
5300MHz	Pass	PK	15.9045G	59.29	74.00	-14.71	3	Vertical	208	1.50	-
5300MHz	Pass	AV	15.90144G	48.07	54.00	-5.93	3	Horizontal	28	1.00	-
5300MHz	Pass	PK	10.5952G	61.13	68.20	-7.07	3	Horizontal	178	1.00	-
5300MHz	Pass	PK	15.89322G	59.75	74.00	-14.25	3	Horizontal	28	1.00	-
5320MHz	Pass	AV	5.3206G	104.65	Inf	-Inf	3	Vertical	22	2.27	-
5320MHz	Pass	AV	5.3504G	51.06	54.00	-2.94	3	Vertical	22	2.27	-
5320MHz	Pass	PK	5.3182G	113.77	Inf	-Inf	3	Vertical	22	2.27	-
5320MHz	Pass	PK	5.3502G	66.44	74.00	-7.56	3	Vertical	22	2.27	-
5320MHz	Pass	AV	5.3194G	100.36	Inf	-Inf	3	Horizontal	342	1.18	-
5320MHz	Pass	AV	5.35G	47.57	54.00	-6.43	3	Horizontal	342	1.18	-
5320MHz	Pass	PK	5.322G	110.10	Inf	-Inf	3	Horizontal	342	1.18	-
5320MHz	Pass	PK	5.3516G	62.24	74.00	-11.76	3	Horizontal	342	1.18	-
5320MHz	Pass	AV	10.6424G	46.05	54.00	-7.95	3	Vertical	113	1.01	-
5320MHz	Pass	AV	15.97422G	45.85	54.00	-8.15	3	Vertical	95	1.50	-
5320MHz	Pass	PK	10.63742G	58.45	74.00	-15.55	3	Vertical	113	1.01	-
5320MHz	Pass	PK	15.9471G	57.94	74.00	-16.06	3	Vertical	95	1.50	-
5320MHz	Pass	AV	10.63994G	48.12	54.00	-5.88	3	Horizontal	176	1.00	-
5320MHz	Pass	AV	15.96714G	46.87	54.00	-7.13	3	Horizontal	59	1.00	-
5320MHz	Pass	PK	10.64246G	60.19	74.00	-13.81	3	Horizontal	176	1.00	-
5320MHz	Pass	PK	15.96252G	59.22	74.00	-14.78	3	Horizontal	59	1.00	-
5500MHz	Pass	AV	5.4596G	48.33	54.00	-5.67	3	Vertical	57	1.16	-
5500MHz	Pass	AV	5.4994G	103.97	Inf	-Inf	3	Vertical	57	1.16	-
5500MHz	Pass	PK	5.4694G	66.55	68.20	-1.65	3	Vertical	57	1.16	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5500MHz	Pass	PK	5.502G	113.56	Inf	-Inf	3	Vertical	57	1.16	-
5500MHz	Pass	AV	5.4598G	47.32	54.00	-6.68	3	Horizontal	138	2.28	-
5500MHz	Pass	AV	5.5022G	101.45	Inf	-Inf	3	Horizontal	138	2.28	-
5500MHz	Pass	PK	5.4696G	63.85	68.20	-4.35	3	Horizontal	138	2.28	-
5500MHz	Pass	PK	5.502G	111.18	Inf	-Inf	3	Horizontal	138	2.28	-
5500MHz	Pass	AV	10.99976G	48.22	54.00	-5.78	3	Vertical	314	1.09	-
5500MHz	Pass	PK	10.99466G	60.70	74.00	-13.30	3	Vertical	314	1.09	-
5500MHz	Pass	PK	16.4856G	60.86	68.20	-7.34	3	Vertical	219	2.51	-
5500MHz	Pass	AV	10.99988G	50.56	54.00	-3.44	3	Horizontal	181	1.17	-
5500MHz	Pass	PK	10.99994G	62.50	74.00	-11.50	3	Horizontal	181	1.17	-
5500MHz	Pass	PK	16.49892G	61.14	68.20	-7.06	3	Horizontal	185	1.00	-
5580MHz	Pass	AV	5.445G	45.65	54.00	-8.35	3	Vertical	333	1.72	-
5580MHz	Pass	AV	5.5812G	106.34	Inf	-Inf	3	Vertical	333	1.72	-
5580MHz	Pass	PK	5.466G	56.41	68.20	-11.79	3	Vertical	333	1.72	-
5580MHz	Pass	PK	5.5788G	115.55	Inf	-Inf	3	Vertical	333	1.72	-
5580MHz	Pass	PK	5.7276G	56.17	68.20	-12.03	3	Vertical	333	1.72	-
5580MHz	Pass	AV	5.4582G	44.45	54.00	-9.55	3	Horizontal	347	1.50	-
5580MHz	Pass	AV	5.5824G	100.20	Inf	-Inf	3	Horizontal	347	1.50	-
5580MHz	Pass	PK	5.4678G	55.34	68.20	-12.86	3	Horizontal	347	1.50	-
5580MHz	Pass	PK	5.5824G	110.18	Inf	-Inf	3	Horizontal	347	1.50	-
5580MHz	Pass	PK	5.73G	56.05	68.20	-12.15	3	Horizontal	347	1.50	-
5580MHz	Pass	AV	11.16056G	52.03	54.00	-1.97	3	Vertical	62	2.66	-
5580MHz	Pass	PK	11.15792G	65.05	74.00	-8.95	3	Vertical	62	2.66	-
5580MHz	Pass	PK	16.73848G	62.60	68.20	-5.60	3	Vertical	52	2.29	-
5580MHz	Pass	AV	11.15808G	52.82	54.00	-1.18	3	Horizontal	44	1.14	-
5580MHz	Pass	PK	11.158G	65.96	74.00	-8.04	3	Horizontal	44	1.14	-
5580MHz	Pass	PK	16.742G	62.72	68.20	-5.48	3	Horizontal	29	3.00	-
5700MHz	Pass	AV	5.7004G	104.51	Inf	-Inf	3	Vertical	48	1.00	-
5700MHz	Pass	PK	5.7032G	113.23	Inf	-Inf	3	Vertical	48	1.00	-
5700MHz	Pass	PK	5.7252G	66.61	68.20	-1.59	3	Vertical	48	1.00	-
5700MHz	Pass	AV	5.6984G	100.00	Inf	-Inf	3	Horizontal	141	2.38	-
5700MHz	Pass	PK	5.7012G	109.72	Inf	-Inf	3	Horizontal	141	2.38	-
5700MHz	Pass	PK	5.726G	62.65	68.20	-5.55	3	Horizontal	141	2.38	-
5700MHz	Pass	AV	11.3976G	46.49	54.00	-7.51	3	Vertical	309	1.00	-
5700MHz	Pass	PK	11.39802G	59.05	74.00	-14.95	3	Vertical	309	1.00	-
5700MHz	Pass	PK	17.10618G	62.03	68.20	-6.17	3	Vertical	266	1.50	-
5700MHz	Pass	AV	11.4G	48.63	54.00	-5.37	3	Horizontal	185	1.01	-
5700MHz	Pass	PK	11.39706G	60.89	74.00	-13.11	3	Horizontal	185	1.01	-
5700MHz	Pass	PK	17.09424G	61.89	68.20	-6.31	3	Horizontal	200	2.26	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4512G	43.01	54.00	-10.99	3	Vertical	14	2.40	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7224G	103.93	Inf	-Inf	3	Vertical	14	2.40	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4692G	54.48	68.20	-13.72	3	Vertical	14	2.40	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7224G	113.02	Inf	-Inf	3	Vertical	14	2.40	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.894G	56.75	68.20	-11.45	3	Vertical	14	2.40	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4572G	42.46	54.00	-11.54	3	Horizontal	301	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.72G	98.22	Inf	-Inf	3	Horizontal	301	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4668G	53.61	68.20	-14.59	3	Horizontal	301	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7212G	106.81	Inf	-Inf	3	Horizontal	301	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.894G	55.42	68.20	-12.78	3	Horizontal	301	1.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43712G	49.68	54.00	-4.32	3	Vertical	154	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43706G	61.96	74.00	-12.04	3	Vertical	154	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.17416G	63.41	68.20	-4.79	3	Vertical	27	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43958G	52.62	54.00	-1.38	3	Horizontal	184	1.11	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43742G	65.56	74.00	-8.44	3	Horizontal	184	1.11	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.15034G	64.50	68.20	-3.70	3	Horizontal	154	1.50	-
5745MHz	Pass	AV	5.7462G	104.09	Inf	-Inf	3	Vertical	13	2.13	-
5745MHz	Pass	PK	5.6358G	56.55	68.20	-11.65	3	Vertical	13	2.13	-
5745MHz	Pass	PK	5.7438G	113.28	Inf	-Inf	3	Vertical	13	2.13	-
5745MHz	Pass	PK	5.9838G	55.12	68.20	-13.08	3	Vertical	13	2.13	-
5745MHz	Pass	AV	5.7438G	100.29	Inf	-Inf	3	Horizontal	275	2.99	-
5745MHz	Pass	PK	5.5722G	54.87	68.20	-13.33	3	Horizontal	275	2.99	-
5745MHz	Pass	PK	5.7462G	108.56	Inf	-Inf	3	Horizontal	275	2.99	-
5745MHz	Pass	PK	5.9442G	55.60	68.20	-12.60	3	Horizontal	275	2.99	-
5745MHz	Pass	AV	11.48472G	48.53	54.00	-5.47	3	Vertical	317	1.99	-
5745MHz	Pass	PK	11.49228G	61.21	74.00	-12.79	3	Vertical	317	1.99	-
5745MHz	Pass	PK	17.23392G	63.89	68.20	-4.31	3	Vertical	121	1.97	-
5745MHz	Pass	AV	11.48712G	52.95	54.00	-1.05	3	Horizontal	180	1.08	-
5745MHz	Pass	PK	11.48718G	66.42	74.00	-7.58	3	Horizontal	180	1.08	-
5745MHz	Pass	PK	17.2416G	64.11	68.20	-4.09	3	Horizontal	239	1.50	-
5785MHz	Pass	AV	5.7874G	102.27	Inf	-Inf	3	Vertical	9	1.00	-
5785MHz	Pass	PK	5.587G	55.22	68.20	-12.98	3	Vertical	9	1.00	-
5785MHz	Pass	PK	5.7874G	111.37	Inf	-Inf	3	Vertical	9	1.00	-
5785MHz	Pass	PK	5.9506G	55.80	68.20	-12.40	3	Vertical	9	1.00	-
5785MHz	Pass	AV	5.785G	97.86	Inf	-Inf	3	Horizontal	300	2.41	-
5785MHz	Pass	PK	5.6074G	54.58	68.20	-13.62	3	Horizontal	300	2.41	-
5785MHz	Pass	PK	5.7862G	106.23	Inf	-Inf	3	Horizontal	300	2.41	-
5785MHz	Pass	PK	5.9878G	55.77	68.20	-12.43	3	Horizontal	300	2.41	-
5785MHz	Pass	AV	11.5697G	48.64	54.00	-5.36	3	Vertical	309	1.00	-
5785MHz	Pass	PK	11.5673G	61.02	74.00	-12.98	3	Vertical	309	1.00	-
5785MHz	Pass	PK	17.35194G	65.57	68.20	-2.63	3	Vertical	317	1.50	-
5785MHz	Pass	AV	11.57204G	52.85	54.00	-1.15	3	Horizontal	113	1.03	-
5785MHz	Pass	PK	11.56718G	65.91	74.00	-8.09	3	Horizontal	113	1.03	-
5785MHz	Pass	PK	17.3595G	65.12	68.20	-3.08	3	Horizontal	224	2.73	-
5825MHz	Pass	AV	5.8274G	103.30	Inf	-Inf	3	Vertical	48	2.27	-
5825MHz	Pass	PK	5.603G	54.67	68.20	-13.53	3	Vertical	48	2.27	-
5825MHz	Pass	PK	5.825G	112.37	Inf	-Inf	3	Vertical	48	2.27	-
5825MHz	Pass	PK	5.951G	55.30	68.20	-12.90	3	Vertical	48	2.27	-
5825MHz	Pass	AV	5.8226G	97.53	Inf	-Inf	3	Horizontal	304	1.00	-
5825MHz	Pass	PK	5.5898G	54.34	68.20	-13.86	3	Horizontal	304	1.00	-
5825MHz	Pass	PK	5.8226G	105.40	Inf	-Inf	3	Horizontal	304	1.00	-
5825MHz	Pass	PK	5.9558G	54.95	68.20	-13.25	3	Horizontal	304	1.00	-
5825MHz	Pass	AV	11.64898G	48.13	54.00	-5.87	3	Vertical	0	3.00	-
5825MHz	Pass	PK	11.65168G	60.28	74.00	-13.72	3	Vertical	0	3.00	-
5825MHz	Pass	PK	17.48508G	65.79	68.20	-2.41	3	Vertical	171	2.51	-
5825MHz	Pass	AV	11.64688G	51.29	54.00	-2.71	3	Horizontal	188	1.02	-
5825MHz	Pass	PK	11.65156G	63.93	74.00	-10.07	3	Horizontal	188	1.02	-
5825MHz	Pass	PK	17.47854G	65.82	68.20	-2.38	3	Horizontal	79	1.50	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5190MHz	Pass	AV	5.1488G	52.26	54.00	-1.74	3	Vertical	18	2.28	-
5190MHz	Pass	AV	5.1916G	99.21	Inf	-Inf	3	Vertical	18	2.28	-
5190MHz	Pass	PK	5.1488G	67.94	74.00	-6.06	3	Vertical	18	2.28	-
5190MHz	Pass	PK	5.1912G	106.49	Inf	-Inf	3	Vertical	18	2.28	-
5190MHz	Pass	AV	5.1488G	50.55	54.00	-3.45	3	Horizontal	107	2.69	-
5190MHz	Pass	AV	5.1888G	96.50	Inf	-Inf	3	Horizontal	107	2.69	-
5190MHz	Pass	PK	5.1492G	64.49	74.00	-9.51	3	Horizontal	107	2.69	-
5190MHz	Pass	PK	5.1912G	103.96	Inf	-Inf	3	Horizontal	107	2.69	-
5190MHz	Pass	AV	15.5646G	47.36	54.00	-6.64	3	Vertical	4	2.72	-
5190MHz	Pass	PK	10.37166G	57.90	68.20	-10.30	3	Vertical	135	1.50	-
5190MHz	Pass	PK	15.57426G	59.35	74.00	-14.65	3	Vertical	4	2.72	-
5190MHz	Pass	AV	15.5847G	47.57	54.00	-6.43	3	Horizontal	198	1.00	-
5190MHz	Pass	PK	10.37988G	58.53	68.20	-9.67	3	Horizontal	180	1.08	-
5190MHz	Pass	PK	15.5679G	59.25	74.00	-14.75	3	Horizontal	198	1.00	-
5230MHz	Pass	AV	5.1488G	46.48	54.00	-7.52	3	Vertical	2	1.50	-
5230MHz	Pass	AV	5.2316G	100.58	Inf	-Inf	3	Vertical	2	1.50	-
5230MHz	Pass	PK	5.1416G	57.86	74.00	-16.14	3	Vertical	2	1.50	-
5230MHz	Pass	PK	5.2264G	107.84	Inf	-Inf	3	Vertical	2	1.50	-
5230MHz	Pass	AV	5.1488G	45.05	54.00	-8.95	3	Horizontal	288	2.72	-
5230MHz	Pass	AV	5.2316G	98.36	Inf	-Inf	3	Horizontal	288	2.72	-
5230MHz	Pass	PK	5.1488G	57.42	74.00	-16.58	3	Horizontal	288	2.72	-
5230MHz	Pass	PK	5.232G	105.75	Inf	-Inf	3	Horizontal	288	2.72	-
5230MHz	Pass	AV	15.69762G	47.71	54.00	-6.29	3	Vertical	190	1.50	-
5230MHz	Pass	PK	10.47032G	57.87	68.20	-10.33	3	Vertical	6	1.50	-
5230MHz	Pass	PK	15.69156G	59.85	74.00	-14.15	3	Vertical	190	1.50	-
5230MHz	Pass	AV	15.7011G	48.28	54.00	-5.72	3	Horizontal	25	1.00	-
5230MHz	Pass	PK	10.46G	58.84	68.20	-9.36	3	Horizontal	176	1.00	-
5230MHz	Pass	PK	15.6909G	59.65	74.00	-14.35	3	Horizontal	25	1.00	-
5270MHz	Pass	AV	5.2684G	101.75	Inf	-Inf	3	Vertical	337	2.18	-
5270MHz	Pass	AV	5.3508G	47.57	54.00	-6.43	3	Vertical	337	2.18	-
5270MHz	Pass	PK	5.2684G	110.25	Inf	-Inf	3	Vertical	337	2.18	-
5270MHz	Pass	PK	5.3508G	60.98	74.00	-13.02	3	Vertical	337	2.18	-
5270MHz	Pass	AV	5.272G	97.59	Inf	-Inf	3	Horizontal	270	2.45	-
5270MHz	Pass	AV	5.3516G	44.29	54.00	-9.71	3	Horizontal	270	2.45	-
5270MHz	Pass	PK	5.272G	106.00	Inf	-Inf	3	Horizontal	270	2.45	-
5270MHz	Pass	PK	5.3516G	56.20	74.00	-17.80	3	Horizontal	270	2.45	-
5270MHz	Pass	AV	15.81193G	49.47	54.00	-4.53	3	Vertical	205	1.04	-
5270MHz	Pass	PK	10.5397G	60.14	68.20	-8.06	3	Vertical	103	1.00	-
5270MHz	Pass	PK	15.81224G	61.16	74.00	-12.84	3	Vertical	205	1.04	-
5270MHz	Pass	AV	15.81119G	50.16	54.00	-3.84	3	Horizontal	157	1.00	-
5270MHz	Pass	PK	10.53984G	61.30	68.20	-6.90	3	Horizontal	175	1.00	-
5270MHz	Pass	PK	15.80904G	62.48	74.00	-11.52	3	Horizontal	157	1.00	-
5310MHz	Pass	AV	5.3112G	98.75	Inf	-Inf	3	Vertical	17	2.33	-
5310MHz	Pass	AV	5.3508G	52.48	54.00	-1.52	3	Vertical	17	2.33	-
5310MHz	Pass	PK	5.3112G	106.84	Inf	-Inf	3	Vertical	17	2.33	-
5310MHz	Pass	PK	5.3536G	68.74	74.00	-5.26	3	Vertical	17	2.33	-
5310MHz	Pass	AV	5.3088G	93.78	Inf	-Inf	3	Horizontal	318	2.51	-
5310MHz	Pass	AV	5.3508G	48.97	54.00	-5.03	3	Horizontal	318	2.51	-
5310MHz	Pass	PK	5.3056G	101.56	Inf	-Inf	3	Horizontal	318	2.51	-

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

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5310MHz	Pass	PK	5.354G	63.93	74.00	-10.07	3	Horizontal	318	2.51	-
5310MHz	Pass	AV	10.6191G	46.03	54.00	-7.97	3	Vertical	359	1.98	-
5310MHz	Pass	AV	15.93128G	46.65	54.00	-7.35	3	Vertical	111	1.50	-
5310MHz	Pass	PK	10.62089G	58.59	74.00	-15.41	3	Vertical	359	1.98	-
5310MHz	Pass	PK	15.9286G	59.12	74.00	-14.88	3	Vertical	111	1.50	-
5310MHz	Pass	AV	10.6199G	46.57	54.00	-7.43	3	Horizontal	172	1.10	-
5310MHz	Pass	AV	15.92997G	46.85	54.00	-7.15	3	Horizontal	359	1.50	-
5310MHz	Pass	PK	10.61992G	58.57	74.00	-15.43	3	Horizontal	172	1.10	-
5310MHz	Pass	PK	15.93163G	58.72	74.00	-15.28	3	Horizontal	359	1.50	-
5510MHz	Pass	AV	5.4584G	46.09	54.00	-7.91	3	Vertical	341	2.36	-
5510MHz	Pass	AV	5.5084G	97.54	Inf	-Inf	3	Vertical	341	2.36	-
5510MHz	Pass	PK	5.4688G	65.50	68.20	-2.70	3	Vertical	341	2.36	-
5510MHz	Pass	PK	5.5084G	105.51	Inf	-Inf	3	Vertical	341	2.36	-
5510MHz	Pass	AV	5.4592G	45.73	54.00	-8.27	3	Horizontal	286	2.50	-
5510MHz	Pass	AV	5.5116G	95.34	Inf	-Inf	3	Horizontal	286	2.50	-
5510MHz	Pass	PK	5.4696G	65.98	68.20	-2.22	3	Horizontal	286	2.50	-
5510MHz	Pass	PK	5.512G	103.83	Inf	-Inf	3	Horizontal	286	2.50	-
5510MHz	Pass	AV	11.02199G	46.99	54.00	-7.01	3	Vertical	331	1.50	-
5510MHz	Pass	PK	11.02017G	58.97	74.00	-15.03	3	Vertical	331	1.50	-
5510MHz	Pass	PK	16.53172G	60.43	68.20	-7.77	3	Vertical	31	2.63	-
5510MHz	Pass	AV	11.02001G	48.29	54.00	-5.71	3	Horizontal	177	1.01	-
5510MHz	Pass	PK	11.01976G	59.79	74.00	-14.21	3	Horizontal	177	1.01	-
5510MHz	Pass	PK	16.5302G	60.86	68.20	-7.34	3	Horizontal	283	3.00	-
5550MHz	Pass	AV	5.4584G	47.17	54.00	-6.83	3	Vertical	36	2.23	-
5550MHz	Pass	AV	5.5488G	102.59	Inf	-Inf	3	Vertical	36	2.23	-
5550MHz	Pass	PK	5.4684G	60.36	68.20	-7.84	3	Vertical	36	2.23	-
5550MHz	Pass	PK	5.5484G	110.99	Inf	-Inf	3	Vertical	36	2.23	-
5550MHz	Pass	AV	5.4596G	44.63	54.00	-9.37	3	Horizontal	287	2.17	-
5550MHz	Pass	AV	5.5516G	97.71	Inf	-Inf	3	Horizontal	287	2.17	-
5550MHz	Pass	PK	5.464G	58.03	68.20	-10.17	3	Horizontal	287	2.17	-
5550MHz	Pass	PK	5.5468G	105.90	Inf	-Inf	3	Horizontal	287	2.17	-
5550MHz	Pass	AV	11.09998G	50.14	54.00	-3.86	3	Vertical	311	1.00	-
5550MHz	Pass	PK	11.0996G	62.20	74.00	-11.80	3	Vertical	311	1.00	-
5550MHz	Pass	PK	16.6499G	61.65	68.20	-6.55	3	Vertical	58	1.35	-
5550MHz	Pass	AV	11.09926G	51.07	54.00	-2.93	3	Horizontal	185	1.00	-
5550MHz	Pass	PK	11.09666G	63.58	74.00	-10.42	3	Horizontal	185	1.00	-
5550MHz	Pass	PK	16.65174G	62.88	68.20	-5.32	3	Horizontal	184	2.94	-
5670MHz	Pass	AV	5.6682G	101.79	Inf	-Inf	3	Vertical	40	2.28	-
5670MHz	Pass	PK	5.6682G	110.50	Inf	-Inf	3	Vertical	40	2.28	-
5670MHz	Pass	PK	5.7258G	66.53	68.20	-1.67	3	Vertical	40	2.28	-
5670MHz	Pass	AV	5.6718G	96.31	Inf	-Inf	3	Horizontal	334	1.00	-
5670MHz	Pass	PK	5.6718G	103.80	Inf	-Inf	3	Horizontal	334	1.00	-
5670MHz	Pass	PK	5.7264G	60.44	68.20	-7.76	3	Horizontal	334	1.00	-
5670MHz	Pass	AV	11.33969G	49.06	54.00	-4.94	3	Vertical	313	1.00	-
5670MHz	Pass	PK	11.33966G	60.77	74.00	-13.23	3	Vertical	313	1.00	-
5670MHz	Pass	PK	17.01167G	62.81	68.20	-5.39	3	Vertical	150	2.32	-
5670MHz	Pass	AV	11.33981G	52.00	54.00	-2.00	3	Horizontal	177	1.12	-
5670MHz	Pass	PK	11.33942G	63.43	74.00	-10.57	3	Horizontal	177	1.12	-
5670MHz	Pass	PK	17.01174G	62.61	68.20	-5.59	3	Horizontal	196	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.4484G	47.48	54.00	-6.52	3	Vertical	8	2.37	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7088G	106.20	Inf	-Inf	3	Vertical	8	2.37	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4652G	59.48	68.20	-8.72	3	Vertical	8	2.37	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7088G	114.58	Inf	-Inf	3	Vertical	8	2.37	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.8792G	60.75	68.20	-7.45	3	Vertical	8	2.37	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.44G	46.83	54.00	-7.17	3	Horizontal	283	1.00	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7052G	99.54	Inf	-Inf	3	Horizontal	283	1.00	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4676G	57.94	68.20	-10.26	3	Horizontal	283	1.00	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7076G	107.80	Inf	-Inf	3	Horizontal	283	1.00	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.8696G	59.74	68.20	-8.46	3	Horizontal	283	1.00	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.41947G	47.56	54.00	-6.44	3	Vertical	303	1.02	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.41978G	59.49	74.00	-14.51	3	Vertical	303	1.02	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	17.13134G	62.93	68.20	-5.27	3	Vertical	3	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.41954G	49.47	54.00	-4.53	3	Horizontal	175	1.00	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.41988G	62.68	74.00	-11.32	3	Horizontal	175	1.00	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	17.13162G	62.81	68.20	-5.39	3	Horizontal	164	1.10	-
5755MHz	Pass	AV	5.7538G	101.68	Inf	-Inf	3	Vertical	5	1.00	-
5755MHz	Pass	PK	5.6062G	56.55	68.20	-11.65	3	Vertical	5	1.00	-
5755MHz	Pass	PK	5.7538G	109.33	Inf	-Inf	3	Vertical	5	1.00	-
5755MHz	Pass	PK	5.9422G	55.85	68.20	-12.35	3	Vertical	5	1.00	-
5755MHz	Pass	AV	5.7502G	95.29	Inf	-Inf	3	Horizontal	287	1.93	-
5755MHz	Pass	PK	5.5858G	55.70	68.20	-12.50	3	Horizontal	287	1.93	-
5755MHz	Pass	PK	5.7526G	103.46	Inf	-Inf	3	Horizontal	287	1.93	-
5755MHz	Pass	PK	5.989G	56.02	68.20	-12.18	3	Horizontal	287	1.93	-
5755MHz	Pass	AV	11.50935G	47.94	54.00	-6.06	3	Vertical	151	2.39	-
5755MHz	Pass	PK	11.50949G	60.03	74.00	-13.97	3	Vertical	151	2.39	-
5755MHz	Pass	PK	17.26629G	64.68	68.20	-3.52	3	Vertical	235	2.53	-
5755MHz	Pass	AV	11.5096G	51.91	54.00	-2.09	3	Horizontal	36	1.42	-
5755MHz	Pass	PK	11.50971G	64.46	74.00	-9.54	3	Horizontal	36	1.42	-
5755MHz	Pass	PK	17.26379G	64.61	68.20	-3.59	3	Horizontal	155	2.90	-
5795MHz	Pass	AV	5.7938G	101.52	Inf	-Inf	3	Vertical	340	1.00	-
5795MHz	Pass	PK	5.6234G	55.67	68.20	-12.53	3	Vertical	340	1.00	-
5795MHz	Pass	PK	5.7938G	109.31	Inf	-Inf	3	Vertical	340	1.00	-
5795MHz	Pass	PK	5.9318G	55.80	68.20	-12.40	3	Vertical	340	1.00	-
5795MHz	Pass	AV	5.7938G	97.00	Inf	-Inf	3	Horizontal	299	2.36	-
5795MHz	Pass	PK	5.5466G	55.61	68.20	-12.59	3	Horizontal	299	2.36	-
5795MHz	Pass	PK	5.7962G	104.59	Inf	-Inf	3	Horizontal	299	2.36	-
5795MHz	Pass	PK	5.9402G	55.80	68.20	-12.40	3	Horizontal	299	2.36	-
5795MHz	Pass	AV	11.58996G	47.24	54.00	-6.76	3	Vertical	322	1.48	-
5795MHz	Pass	PK	11.59005G	59.16	74.00	-14.84	3	Vertical	322	1.48	-
5795MHz	Pass	PK	17.38694G	65.72	68.20	-2.48	3	Vertical	222	1.46	-
5795MHz	Pass	AV	11.58938G	50.96	54.00	-3.04	3	Horizontal	172	1.02	-
5795MHz	Pass	PK	11.58963G	62.93	74.00	-11.07	3	Horizontal	172	1.02	-
5795MHz	Pass	PK	17.38596G	65.58	68.20	-2.62	3	Horizontal	195	1.50	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149G	52.93	54.00	-1.07	3	Vertical	15	2.50	-
5210MHz	Pass	AV	5.214G	91.22	Inf	-Inf	3	Vertical	15	2.50	-
5210MHz	Pass	AV	5.389G	43.91	54.00	-10.09	3	Vertical	15	2.50	-
5210MHz	Pass	PK	5.136G	61.54	74.00	-12.46	3	Vertical	15	2.50	-

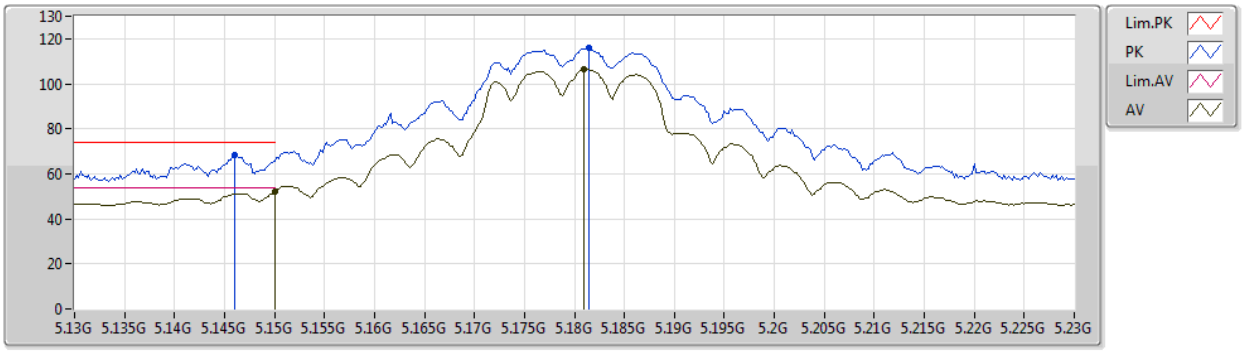
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	PK	5.214G	99.48	Inf	-Inf	3	Vertical	15	2.50	-
5210MHz	Pass	PK	5.399G	54.19	74.00	-19.81	3	Vertical	15	2.50	-
5210MHz	Pass	AV	5.136G	49.21	54.00	-4.79	3	Horizontal	269	2.45	-
5210MHz	Pass	AV	5.208G	88.16	Inf	-Inf	3	Horizontal	269	2.45	-
5210MHz	Pass	AV	5.46G	43.87	54.00	-10.13	3	Horizontal	269	2.45	-
5210MHz	Pass	PK	5.136G	60.67	74.00	-13.33	3	Horizontal	269	2.45	-
5210MHz	Pass	PK	5.228G	96.65	Inf	-Inf	3	Horizontal	269	2.45	-
5210MHz	Pass	PK	5.446G	55.56	74.00	-18.44	3	Horizontal	269	2.45	-
5210MHz	Pass	AV	15.64278G	49.22	54.00	-4.78	3	Vertical	175	1.48	-
5210MHz	Pass	PK	10.42432G	57.49	68.20	-10.71	3	Vertical	83	2.31	-
5210MHz	Pass	PK	15.621G	59.45	74.00	-14.55	3	Vertical	175	1.48	-
5210MHz	Pass	AV	15.64122G	49.19	54.00	-4.81	3	Horizontal	261	1.65	-
5210MHz	Pass	PK	10.42744G	58.18	68.20	-10.02	3	Horizontal	88	1.34	-
5210MHz	Pass	PK	15.62862G	59.36	74.00	-14.64	3	Horizontal	261	1.65	-
5290MHz	Pass	AV	5.085G	45.59	54.00	-8.41	3	Vertical	1	2.33	-
5290MHz	Pass	AV	5.287G	93.04	Inf	-Inf	3	Vertical	1	2.33	-
5290MHz	Pass	AV	5.35G	52.67	54.00	-1.33	3	Vertical	1	2.33	-
5290MHz	Pass	PK	5.148G	55.77	74.00	-18.23	3	Vertical	1	2.33	-
5290MHz	Pass	PK	5.302G	100.89	Inf	-Inf	3	Vertical	1	2.33	-
5290MHz	Pass	PK	5.35G	64.66	74.00	-9.34	3	Vertical	1	2.33	-
5290MHz	Pass	AV	5.128G	45.40	54.00	-8.60	3	Horizontal	285	2.35	-
5290MHz	Pass	AV	5.296G	88.68	Inf	-Inf	3	Horizontal	285	2.35	-
5290MHz	Pass	AV	5.355G	48.65	54.00	-5.35	3	Horizontal	285	2.35	-
5290MHz	Pass	PK	5.07G	55.55	74.00	-18.45	3	Horizontal	285	2.35	-
5290MHz	Pass	PK	5.308G	97.19	Inf	-Inf	3	Horizontal	285	2.35	-
5290MHz	Pass	PK	5.46G	55.68	68.20	-12.52	3	Horizontal	285	2.35	-
5290MHz	Pass	AV	15.88212G	48.55	54.00	-5.45	3	Vertical	87	2.44	-
5290MHz	Pass	PK	10.58024G	57.78	68.20	-10.42	3	Vertical	133	1.93	-
5290MHz	Pass	PK	15.8616G	59.21	74.00	-14.79	3	Vertical	87	2.44	-
5290MHz	Pass	AV	15.85986G	48.60	54.00	-5.40	3	Horizontal	169	1.50	-
5290MHz	Pass	PK	10.5932G	58.11	68.20	-10.09	3	Horizontal	16	2.86	-
5290MHz	Pass	PK	15.86538G	59.22	74.00	-14.78	3	Horizontal	169	1.50	-
5530MHz	Pass	AV	5.456G	52.86	54.00	-1.14	3	Vertical	33	2.09	-
5530MHz	Pass	AV	5.526G	93.42	Inf	-Inf	3	Vertical	33	2.09	-
5530MHz	Pass	PK	5.468G	65.11	68.20	-3.09	3	Vertical	33	2.09	-
5530MHz	Pass	PK	5.524G	101.02	Inf	-Inf	3	Vertical	33	2.09	-
5530MHz	Pass	PK	5.78G	54.92	68.20	-13.28	3	Vertical	33	2.09	-
5530MHz	Pass	AV	5.459G	50.60	54.00	-3.40	3	Horizontal	282	2.50	-
5530MHz	Pass	AV	5.524G	90.06	Inf	-Inf	3	Horizontal	282	2.50	-
5530MHz	Pass	PK	5.469G	62.15	68.20	-6.05	3	Horizontal	282	2.50	-
5530MHz	Pass	PK	5.532G	97.89	Inf	-Inf	3	Horizontal	282	2.50	-
5530MHz	Pass	PK	5.755G	54.65	68.20	-13.55	3	Horizontal	282	2.50	-
5530MHz	Pass	AV	11.07026G	48.76	54.00	-5.24	3	Vertical	245	1.50	-
5530MHz	Pass	PK	11.05106G	59.37	74.00	-14.63	3	Vertical	245	1.50	-
5530MHz	Pass	PK	16.60458G	61.85	68.20	-6.35	3	Vertical	272	1.05	-
5530MHz	Pass	AV	11.0584G	49.17	54.00	-4.83	3	Horizontal	182	1.00	-
5530MHz	Pass	PK	11.05754G	60.48	74.00	-13.52	3	Horizontal	182	1.00	-
5530MHz	Pass	PK	16.60104G	61.09	68.20	-7.11	3	Horizontal	17	1.50	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4512G	45.43	54.00	-8.57	3	Vertical	35	2.21	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6888G	99.95	Inf	-Inf	3	Vertical	35	2.21	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4608G	55.09	68.20	-13.11	3	Vertical	35	2.21	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.6828G	107.17	Inf	-Inf	3	Vertical	35	2.21	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8532G	58.55	68.20	-9.65	3	Vertical	35	2.21	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4524G	44.47	54.00	-9.53	3	Horizontal	330	1.00	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6888G	93.78	Inf	-Inf	3	Horizontal	330	1.00	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4644G	54.07	68.20	-14.13	3	Horizontal	330	1.00	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.6864G	101.37	Inf	-Inf	3	Horizontal	330	1.00	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.9648G	56.16	68.20	-12.04	3	Horizontal	330	1.00	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.38702G	48.61	54.00	-5.39	3	Vertical	311	1.02	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.38906G	59.13	74.00	-14.87	3	Vertical	311	1.02	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	17.07588G	63.01	68.20	-5.19	3	Vertical	156	2.12	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.3824G	49.10	54.00	-4.90	3	Horizontal	36	1.00	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.3798G	60.89	74.00	-13.11	3	Horizontal	36	1.00	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	17.08374G	62.98	68.20	-5.22	3	Horizontal	25	2.08	-
5775MHz	Pass	AV	5.769G	98.42	Inf	-Inf	3	Vertical	9	2.20	-
5775MHz	Pass	PK	5.6514G	61.27	69.24	-7.97	3	Vertical	9	2.20	-
5775MHz	Pass	PK	5.7546G	106.25	Inf	-Inf	3	Vertical	9	2.20	-
5775MHz	Pass	PK	5.9622G	55.94	68.20	-12.26	3	Vertical	9	2.20	-
5775MHz	Pass	AV	5.7738G	92.19	Inf	-Inf	3	Horizontal	289	1.00	-
5775MHz	Pass	PK	5.6466G	55.95	68.20	-12.25	3	Horizontal	289	1.00	-
5775MHz	Pass	PK	5.7702G	101.54	Inf	-Inf	3	Horizontal	289	1.00	-
5775MHz	Pass	PK	5.9478G	56.45	68.20	-11.75	3	Horizontal	289	1.00	-
5775MHz	Pass	AV	11.56098G	48.04	54.00	-5.96	3	Vertical	159	1.50	-
5775MHz	Pass	PK	11.53578G	58.97	74.00	-15.03	3	Vertical	159	1.50	-
5775MHz	Pass	PK	17.31384G	64.94	68.20	-3.26	3	Vertical	271	1.07	-
5775MHz	Pass	AV	11.54972G	50.35	54.00	-3.65	3	Horizontal	179	1.04	-
5775MHz	Pass	PK	11.54932G	61.11	74.00	-12.89	3	Horizontal	179	1.04	-
5775MHz	Pass	PK	17.31834G	64.60	68.20	-3.60	3	Horizontal	12	1.07	-

802.11a_Nss1,(6Mbps)_2TX

20/08/2019

5180MHz_TX

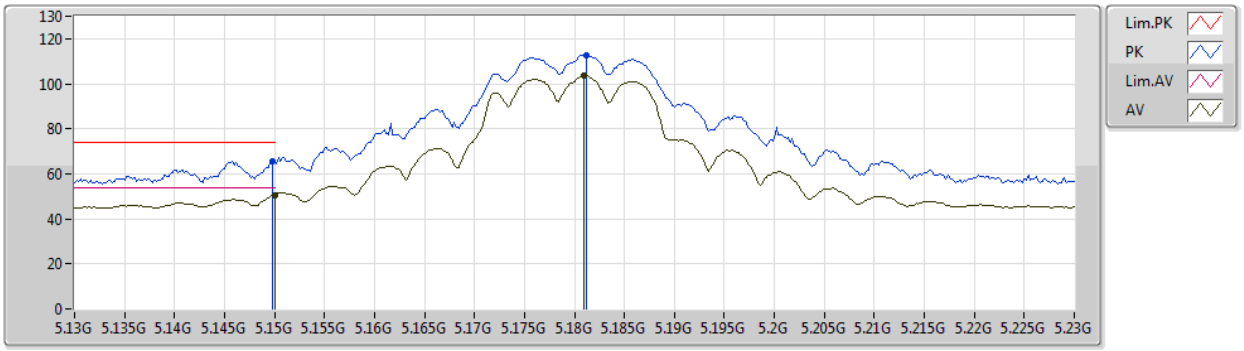


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	52.13	54.00	-1.87	4.37	3	Vertical	353	2.22	-	47.76	31.76	7.04	34.43
AV	5.181G	106.63	Inf	-Inf	4.43	3	Vertical	353	2.22	-	102.20	31.77	7.08	34.42
PK	5.146G	68.45	74.00	-5.55	4.36	3	Vertical	353	2.22	-	64.09	31.76	7.03	34.43
PK	5.1814G	115.74	Inf	-Inf	4.43	3	Vertical	353	2.22	-	111.31	31.77	7.08	34.42

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

20/08/2019

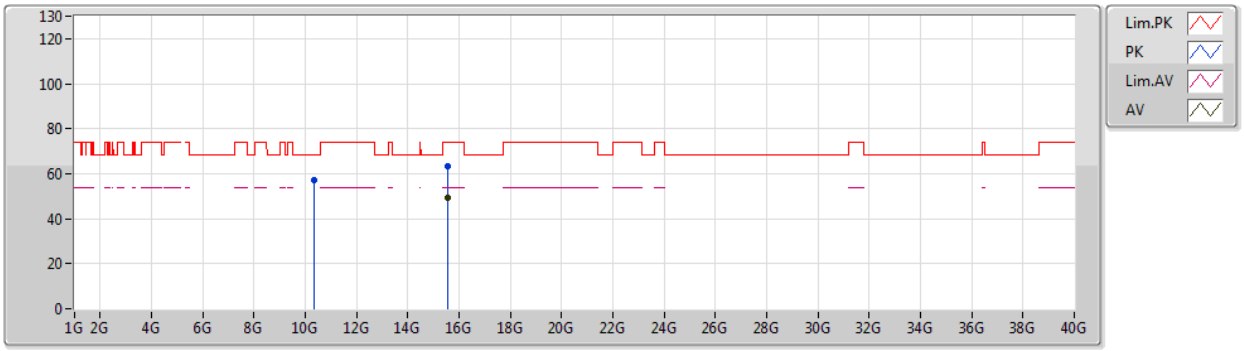


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	50.56	54.00	-3.44	4.37	3	Horizontal	142	2.48	-	46.19	31.76	7.04	34.43
AV	5.181G	103.64	Inf	-Inf	4.43	3	Horizontal	142	2.48	-	99.21	31.77	7.08	34.42
PK	5.1498G	65.61	74.00	-8.39	4.37	3	Horizontal	142	2.48	-	61.24	31.76	7.04	34.43
PK	5.1812G	112.72	Inf	-Inf	4.43	3	Horizontal	142	2.48	-	108.29	31.77	7.08	34.42

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

20/08/2019

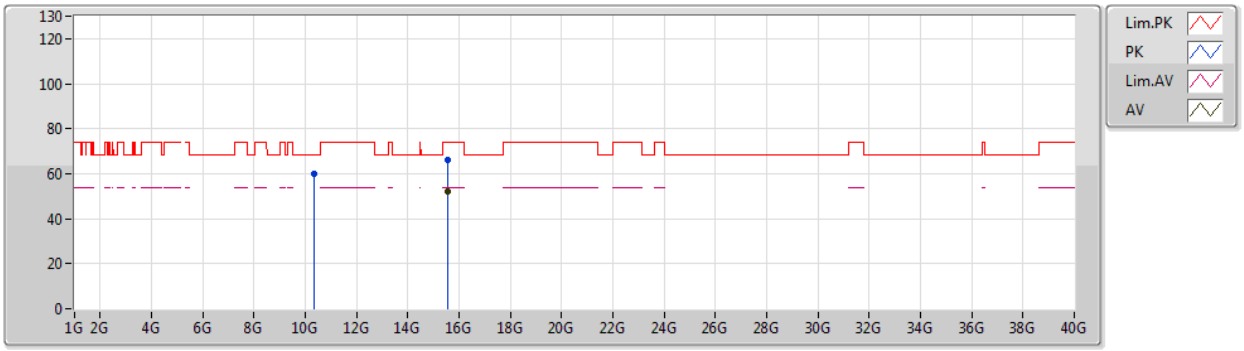


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.53826G	49.05	54.00	-4.95	17.01	3	Vertical	189	2.60	-	32.04	38.81	12.81	34.61
PK	10.35436G	56.88	68.20	-11.32	14.78	3	Vertical	46	1.00	-	42.10	39.36	10.33	34.91
PK	15.53802G	63.08	74.00	-10.92	17.02	3	Vertical	189	2.60	-	46.06	38.81	12.81	34.60

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

20/08/2019

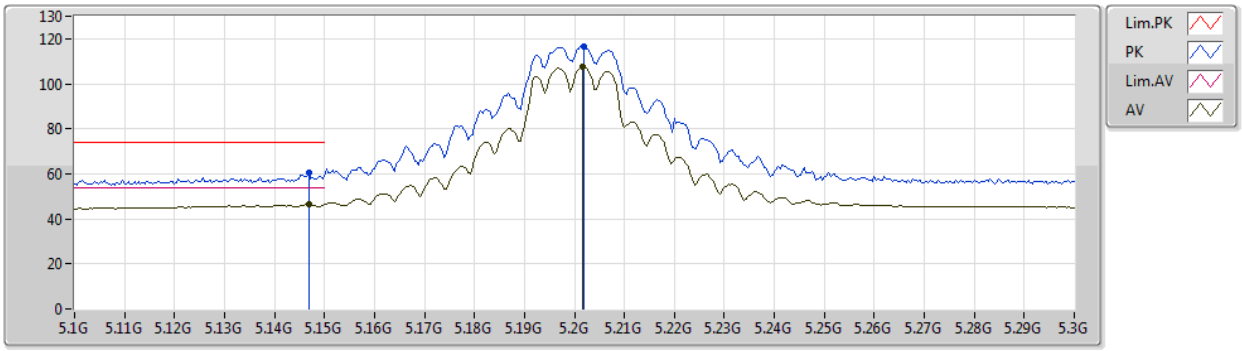


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.5433G	51.90	54.00	-2.10	17.00	3	Horizontal	197	2.76	-	34.90	38.79	12.82	34.61
PK	10.36114G	60.04	68.20	-8.16	14.80	3	Horizontal	178	1.50	-	45.24	39.37	10.33	34.90
PK	15.54378G	66.14	74.00	-7.86	17.00	3	Horizontal	197	2.76	-	49.14	38.79	12.82	34.61

802.11a_Nss1,(6Mbps)_2TX

20/08/2019

5200MHz_TX

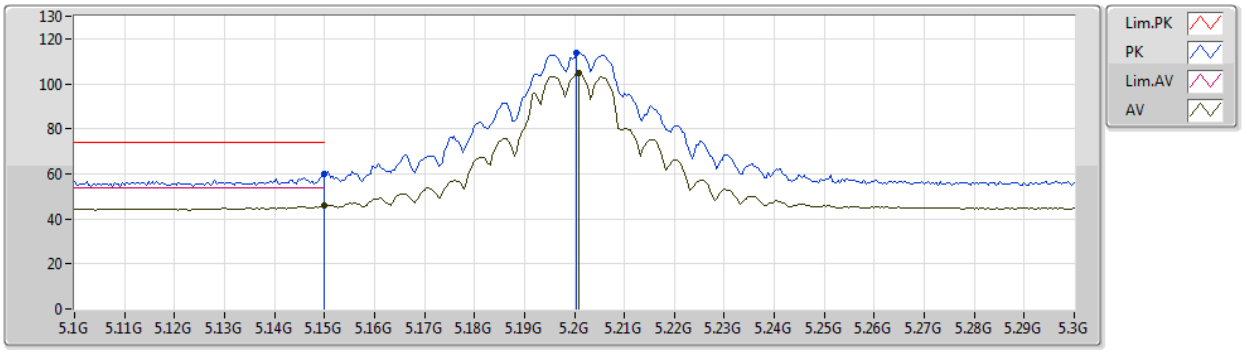


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1468G	46.40	54.00	-7.60	4.36	3	Vertical	356	2.57	-	42.04	31.76	7.03	34.43
AV	5.2016G	107.36	Inf	-Inf	4.46	3	Vertical	356	2.57	-	102.90	31.78	7.10	34.42
PK	5.1468G	60.50	74.00	-13.50	4.36	3	Vertical	356	2.57	-	56.14	31.76	7.03	34.43
PK	5.202G	116.83	Inf	-Inf	4.46	3	Vertical	356	2.57	-	112.37	31.78	7.10	34.42

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

20/08/2019

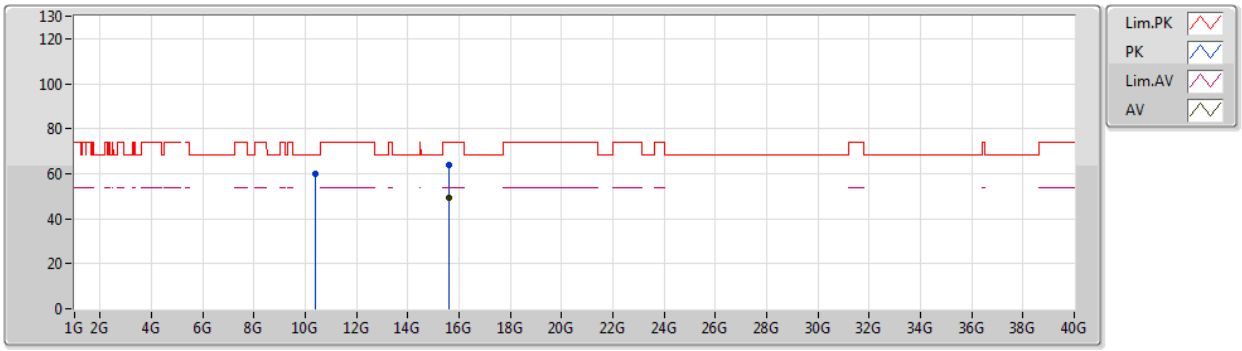


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	45.90	54.00	-8.10	4.37	3	Horizontal	144	2.36	-	41.53	31.76	7.04	34.43
AV	5.2008G	104.70	Inf	-Inf	4.46	3	Horizontal	144	2.36	-	100.24	31.78	7.10	34.42
PK	5.15G	59.81	74.00	-14.19	4.37	3	Horizontal	144	2.36	-	55.44	31.76	7.04	34.43
PK	5.2004G	113.80	Inf	-Inf	4.46	3	Horizontal	144	2.36	-	109.34	31.78	7.10	34.42

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

20/08/2019

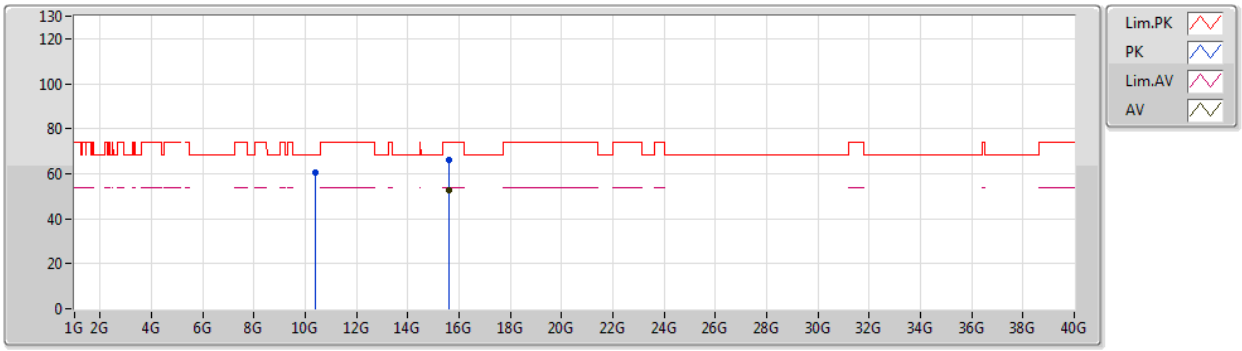


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.6027G	49.47	54.00	-4.53	16.80	3	Vertical	199	2.68	-	32.67	38.57	12.91	34.68
PK	10.40174G	59.82	68.20	-8.38	14.89	3	Vertical	5	2.97	-	44.93	39.42	10.34	34.87
PK	15.59742G	63.76	74.00	-10.24	16.82	3	Vertical	199	2.68	-	46.94	38.59	12.90	34.67

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

20/08/2019

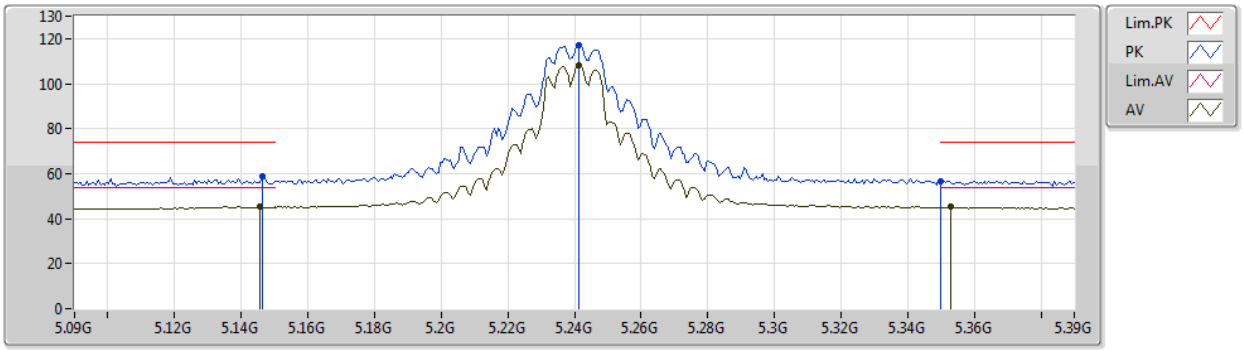


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.60288G	52.53	54.00	-1.47	16.80	3	Horizontal	178	1.00	-	35.73	38.57	12.91	34.68
PK	10.40078G	60.50	68.20	-7.70	14.89	3	Horizontal	178	1.50	-	45.61	39.42	10.34	34.87
PK	15.59754G	66.35	74.00	-7.65	16.81	3	Horizontal	178	1.00	-	49.54	38.59	12.90	34.68

802.11a_Nss1,(6Mbps)_2TX

20/08/2019

5240MHz_TX

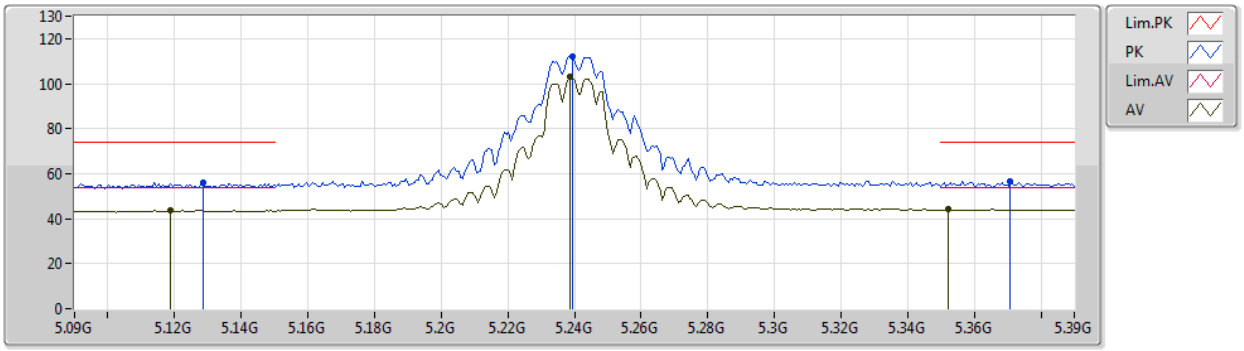


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1458G	45.21	54.00	-8.79	4.36	3	Vertical	354	2.43	-	40.85	31.76	7.03	34.43
AV	5.2412G	108.24	Inf	-Inf	4.53	3	Vertical	354	2.43	-	103.71	31.80	7.15	34.42
AV	5.3528G	45.11	54.00	-8.89	4.72	3	Vertical	354	2.43	-	40.39	31.84	7.29	34.41
PK	5.1464G	58.66	74.00	-15.34	4.36	3	Vertical	354	2.43	-	54.30	31.76	7.03	34.43
PK	5.2412G	117.33	Inf	-Inf	4.53	3	Vertical	354	2.43	-	112.80	31.80	7.15	34.42
PK	5.35G	56.86	74.00	-17.14	4.72	3	Vertical	354	2.43	-	52.14	31.84	7.29	34.41

802.11a_Nss1,(6Mbps)_2TX

20/08/2019

5240MHz_TX

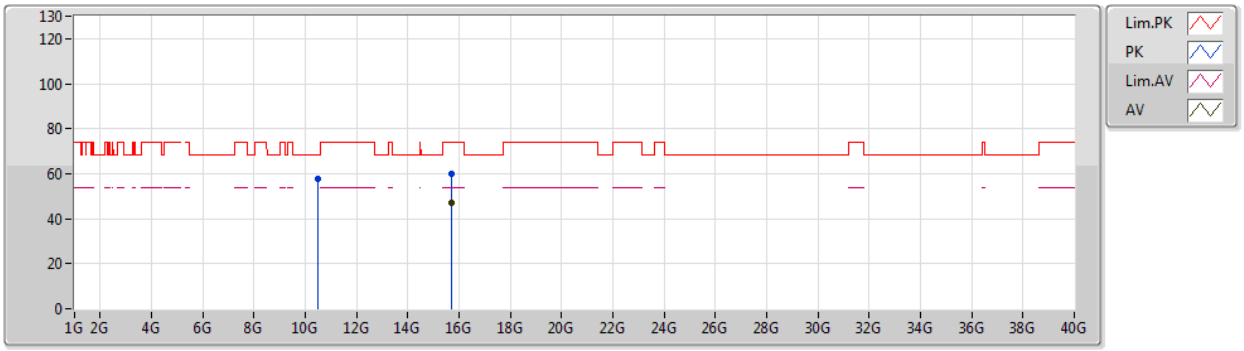


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1188G	43.70	54.00	-10.30	4.32	3	Horizontal	341	2.28	-	39.38	31.75	7.00	34.43
AV	5.2388G	102.95	Inf	-Inf	4.53	3	Horizontal	341	2.28	-	98.42	31.80	7.15	34.42
AV	5.3522G	44.16	54.00	-9.84	4.72	3	Horizontal	341	2.28	-	39.44	31.84	7.29	34.41
PK	5.1284G	56.21	74.00	-17.79	4.33	3	Horizontal	341	2.28	-	51.88	31.75	7.01	34.43
PK	5.2394G	112.17	Inf	-Inf	4.53	3	Horizontal	341	2.28	-	107.64	31.80	7.15	34.42
PK	5.3708G	56.87	74.00	-17.13	4.75	3	Horizontal	341	2.28	-	52.12	31.85	7.31	34.41

802.11a_Nss1,(6Mbps)_2TX

20/08/2019

5240MHz_TX

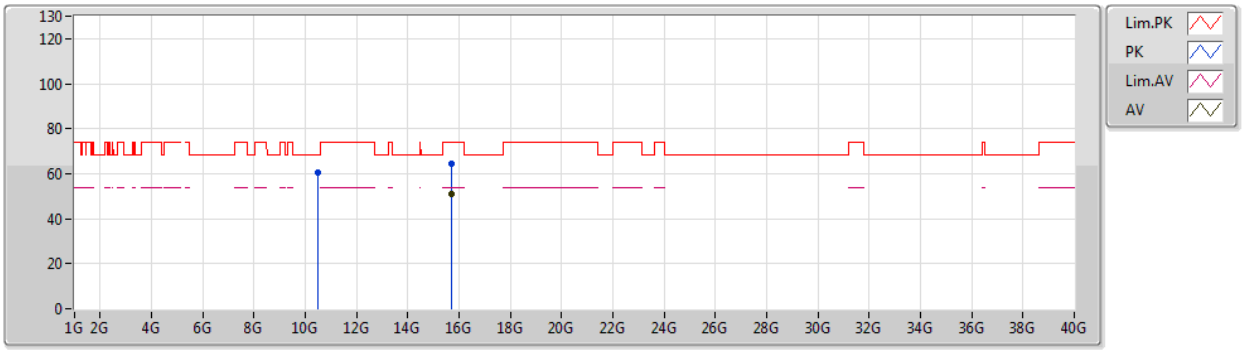


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.72234G	46.82	54.00	-7.18	16.41	3	Vertical	168	1.50	-	30.41	38.13	13.10	34.82
PK	10.48012G	57.52	68.20	-10.68	15.07	3	Vertical	190	3.00	-	42.45	39.52	10.35	34.80
PK	15.7131G	60.16	74.00	-13.84	16.44	3	Vertical	168	1.50	-	43.72	38.16	13.09	34.81

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

20/08/2019

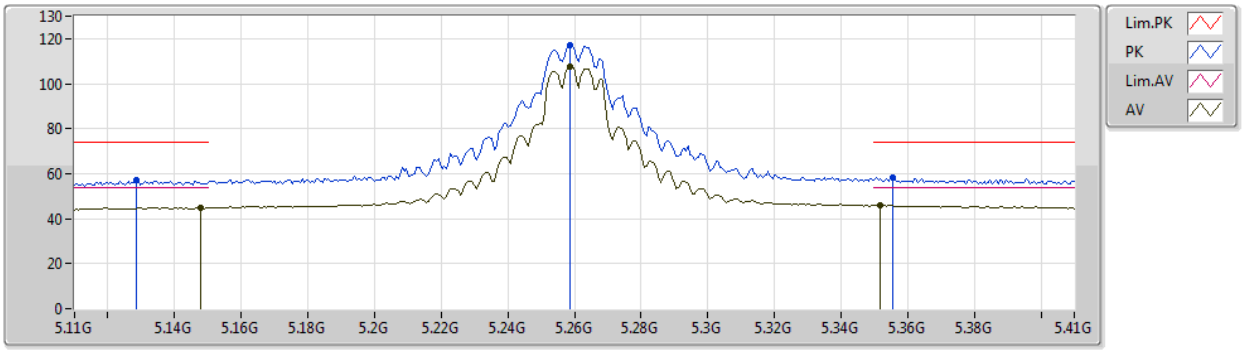


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.7224G	51.00	54.00	-3.00	16.41	3	Horizontal	177	1.00	-	34.59	38.13	13.10	34.82
PK	10.47988G	60.35	68.20	-7.85	15.07	3	Horizontal	185	1.50	-	45.28	39.52	10.35	34.80
PK	15.71256G	64.56	74.00	-9.44	16.44	3	Horizontal	177	1.00	-	48.12	38.16	13.09	34.81

802.11a_Nss1,(6Mbps)_2TX

20/08/2019

5260MHz_TX

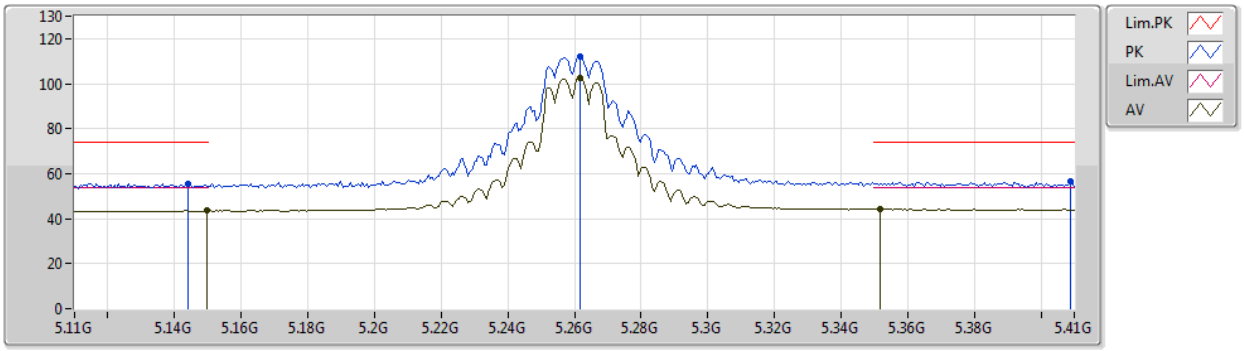


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1478G	44.95	54.00	-9.05	4.36	3	Vertical	354	2.19	-	40.59	31.76	7.03	34.43
AV	5.2588G	107.81	Inf	-Inf	4.55	3	Vertical	354	2.19	-	103.26	31.80	7.17	34.42
AV	5.3518G	45.83	54.00	-8.17	4.72	3	Vertical	354	2.19	-	41.11	31.84	7.29	34.41
PK	5.1286G	57.20	74.00	-16.80	4.33	3	Vertical	354	2.19	-	52.87	31.75	7.01	34.43
PK	5.2588G	117.03	Inf	-Inf	4.55	3	Vertical	354	2.19	-	112.48	31.80	7.17	34.42
PK	5.3554G	58.05	74.00	-15.95	4.72	3	Vertical	354	2.19	-	53.33	31.84	7.29	34.41

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

20/08/2019

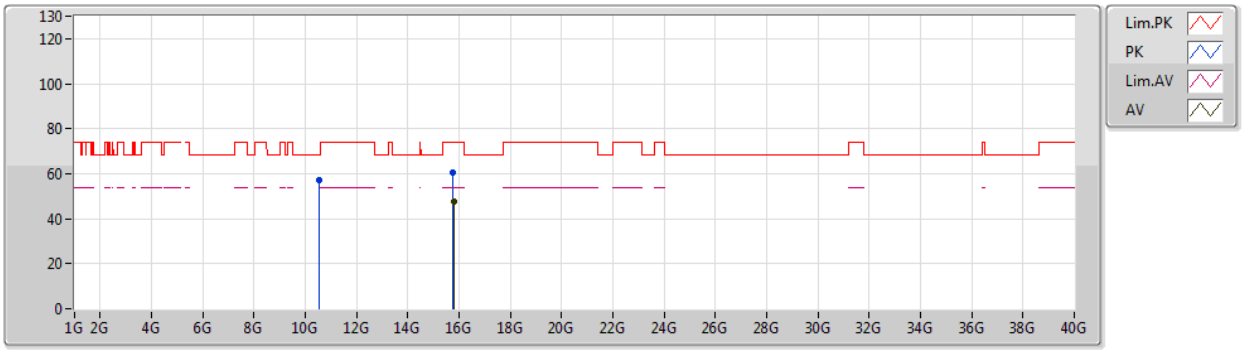


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1496G	43.57	54.00	-10.43	4.37	3	Horizontal	341	2.60	-	39.20	31.76	7.04	34.43
AV	5.2618G	102.59	Inf	-Inf	4.56	3	Horizontal	341	2.60	-	98.03	31.80	7.18	34.42
AV	5.3518G	44.34	54.00	-9.66	4.72	3	Horizontal	341	2.60	-	39.62	31.84	7.29	34.41
PK	5.1442G	55.73	74.00	-18.27	4.36	3	Horizontal	341	2.60	-	51.37	31.76	7.03	34.43
PK	5.2618G	112.02	Inf	-Inf	4.56	3	Horizontal	341	2.60	-	107.46	31.80	7.18	34.42
PK	5.4088G	56.69	74.00	-17.31	4.81	3	Horizontal	341	2.60	-	51.88	31.86	7.36	34.41

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

20/08/2019

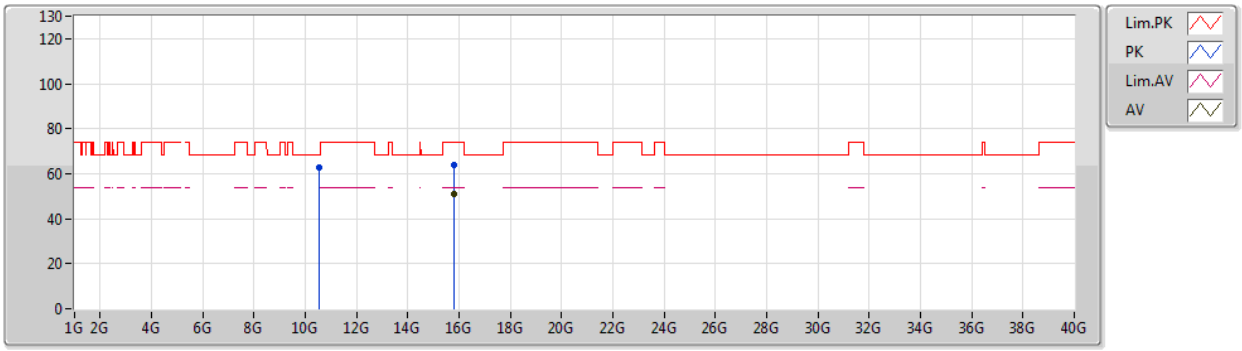


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.78054G	47.58	54.00	-6.42	16.21	3	Vertical	191	2.20	-	31.37	37.91	13.19	34.89
PK	10.51964G	57.36	68.20	-10.84	15.17	3	Vertical	189	3.00	-	42.19	39.58	10.36	34.77
PK	15.77472G	60.71	74.00	-13.29	16.23	3	Vertical	191	2.20	-	44.48	37.93	13.18	34.88

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

20/08/2019

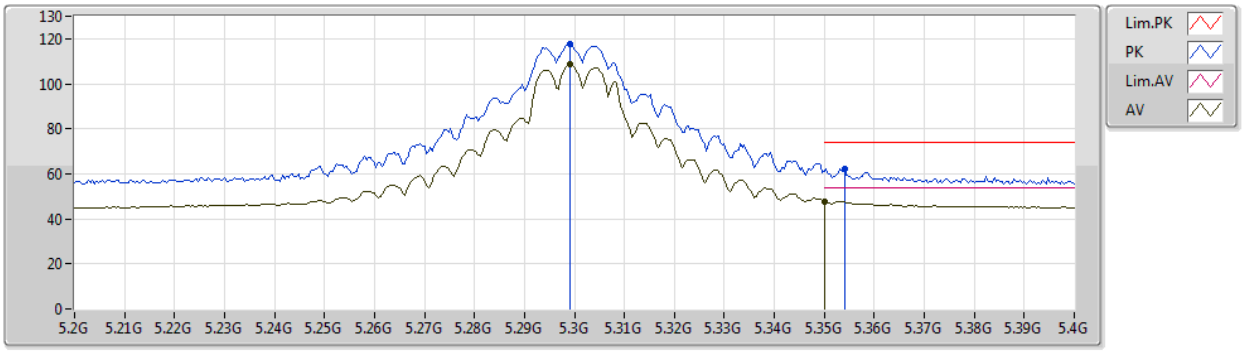


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.77958G	50.81	54.00	-3.19	16.22	3	Horizontal	175	1.03	-	34.59	37.92	13.19	34.89
PK	10.52G	62.53	68.20	-5.67	15.17	3	Horizontal	194	2.38	-	47.36	39.58	10.36	34.77
PK	15.77982G	63.82	74.00	-10.18	16.21	3	Horizontal	175	1.03	-	47.61	37.91	13.19	34.89

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

20/08/2019

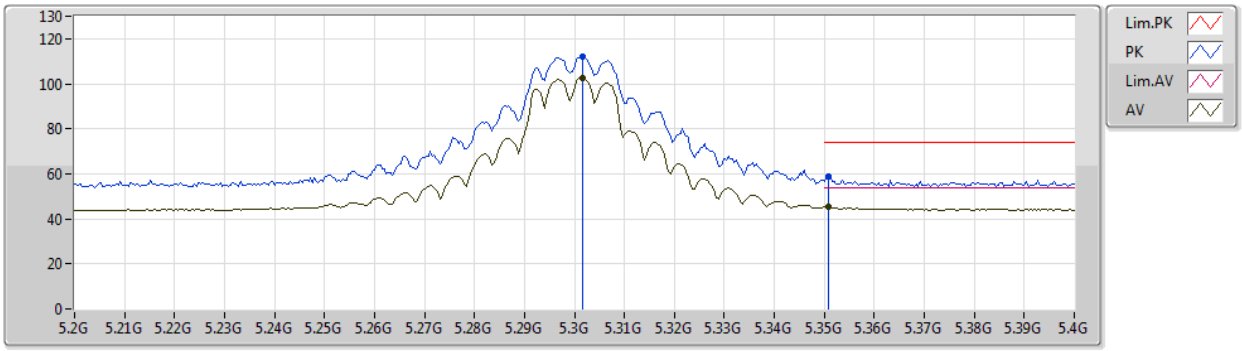


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.2992G	108.46	Inf	-Inf	4.62	3	Vertical	26	2.35	-	103.84	31.82	7.22	34.42
AV	5.35G	47.89	54.00	-6.11	4.72	3	Vertical	26	2.35	-	43.17	31.84	7.29	34.41
PK	5.2992G	117.84	Inf	-Inf	4.62	3	Vertical	26	2.35	-	113.22	31.82	7.22	34.42
PK	5.354G	62.15	74.00	-11.85	4.72	3	Vertical	26	2.35	-	57.43	31.84	7.29	34.41

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

20/08/2019

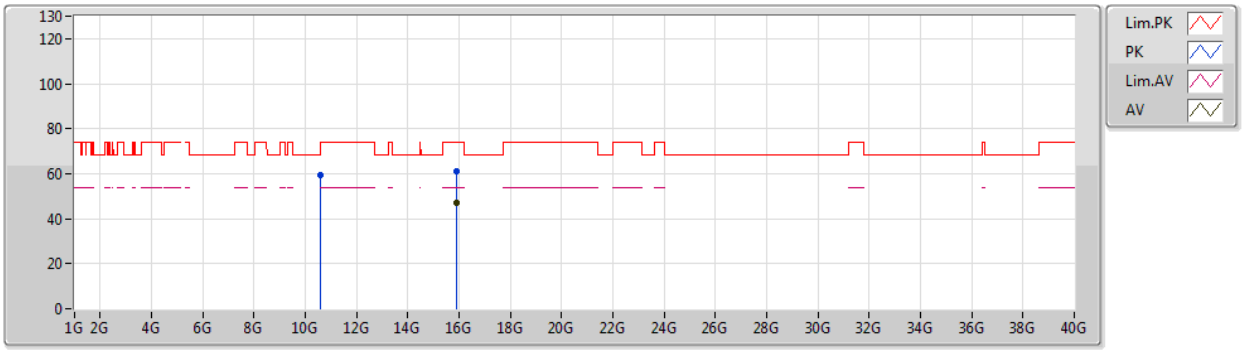


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3016G	102.75	Inf	-Inf	4.63	3	Horizontal	341	2.58	-	98.12	31.82	7.23	34.42
AV	5.3508G	45.26	54.00	-8.74	4.72	3	Horizontal	341	2.58	-	40.54	31.84	7.29	34.41
PK	5.3016G	112.23	Inf	-Inf	4.63	3	Horizontal	341	2.58	-	107.60	31.82	7.23	34.42
PK	5.3508G	58.80	74.00	-15.20	4.72	3	Horizontal	341	2.58	-	54.08	31.84	7.29	34.41

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

20/08/2019

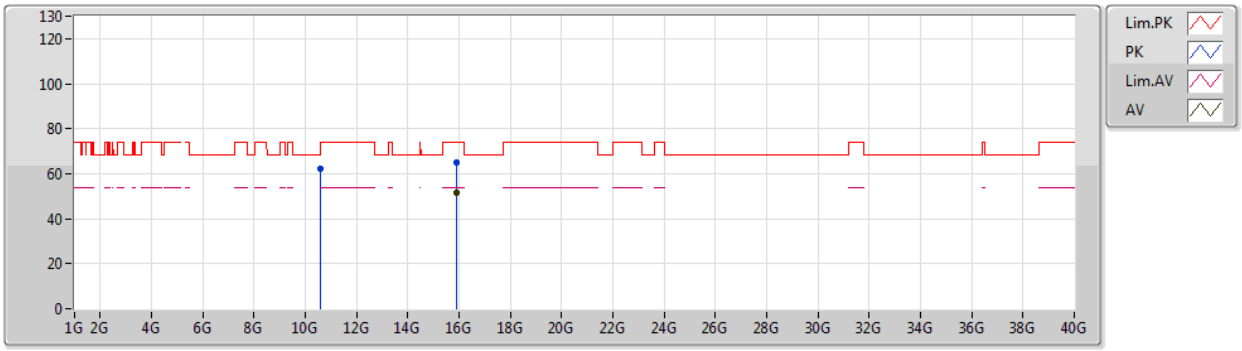


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.89934G	47.10	54.00	-6.90	15.82	3	Vertical	187	2.06	-	31.28	37.47	13.38	35.03
PK	10.59997G	59.25	68.20	-8.95	15.35	3	Vertical	154	1.03	-	43.90	39.68	10.37	34.70
PK	15.90396G	60.82	74.00	-13.18	15.81	3	Vertical	187	2.06	-	45.01	37.46	13.39	35.04

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

20/08/2019

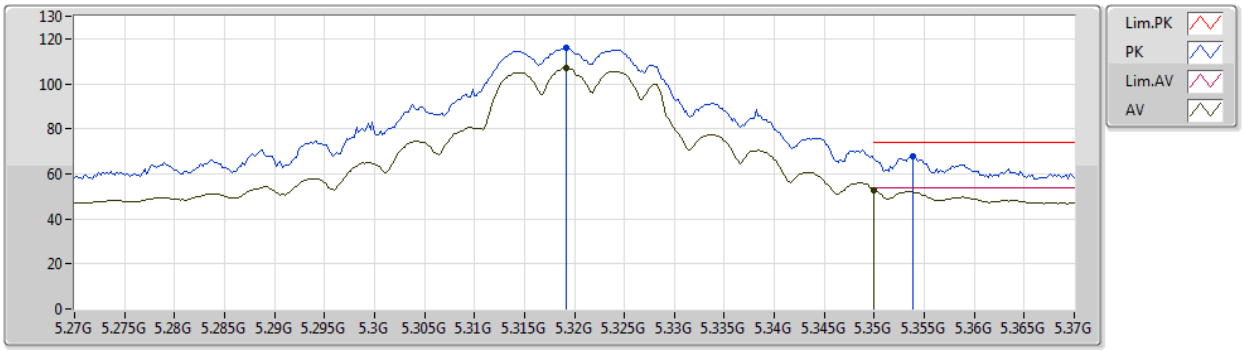


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.90036G	51.34	54.00	-2.66	15.82	3	Horizontal	198	2.68	-	35.52	37.47	13.38	35.03
PK	10.59992G	61.97	68.20	-6.23	15.35	3	Horizontal	147	1.03	-	46.62	39.68	10.37	34.70
PK	15.90012G	64.86	74.00	-9.14	15.82	3	Horizontal	198	2.68	-	49.04	37.47	13.38	35.03

802.11a_Nss1,(6Mbps)_2TX

20/08/2019

5320MHz_TX

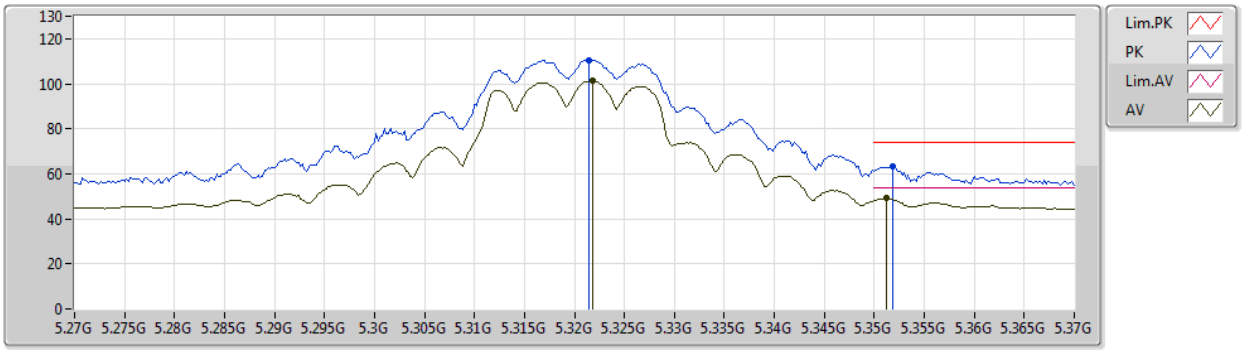


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3192G	107.05	Inf	-Inf	4.66	3	Vertical	26	2.34	-	102.39	31.83	7.25	34.42
AV	5.35G	52.95	54.00	-1.05	4.72	3	Vertical	26	2.34	-	48.23	31.84	7.29	34.41
PK	5.3192G	116.20	Inf	-Inf	4.66	3	Vertical	26	2.34	-	111.54	31.83	7.25	34.42
PK	5.3538G	67.82	74.00	-6.18	4.72	3	Vertical	26	2.34	-	63.10	31.84	7.29	34.41

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

20/08/2019

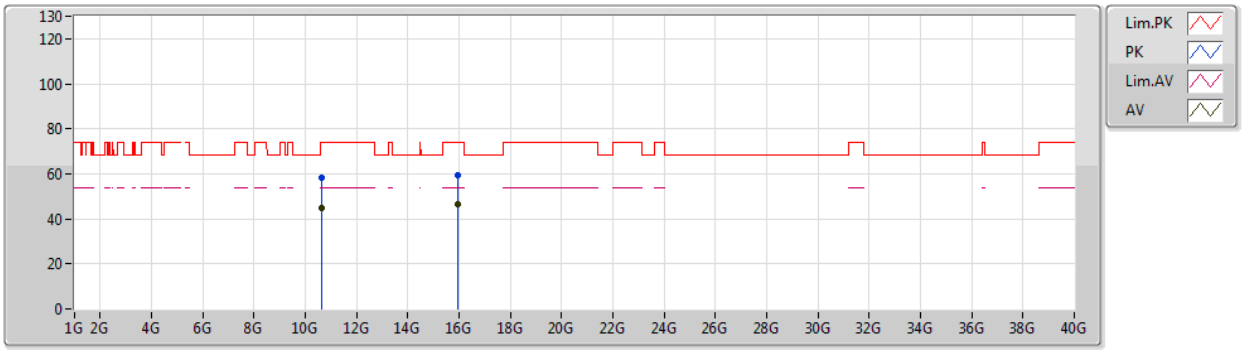


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3218G	101.28	Inf	-Inf	4.66	3	Horizontal	342	2.33	-	96.62	31.83	7.25	34.42
AV	5.3512G	49.36	54.00	-4.64	4.72	3	Horizontal	342	2.33	-	44.64	31.84	7.29	34.41
PK	5.3214G	110.63	Inf	-Inf	4.66	3	Horizontal	342	2.33	-	105.97	31.83	7.25	34.42
PK	5.3518G	63.48	74.00	-10.52	4.72	3	Horizontal	342	2.33	-	58.76	31.84	7.29	34.41

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

20/08/2019

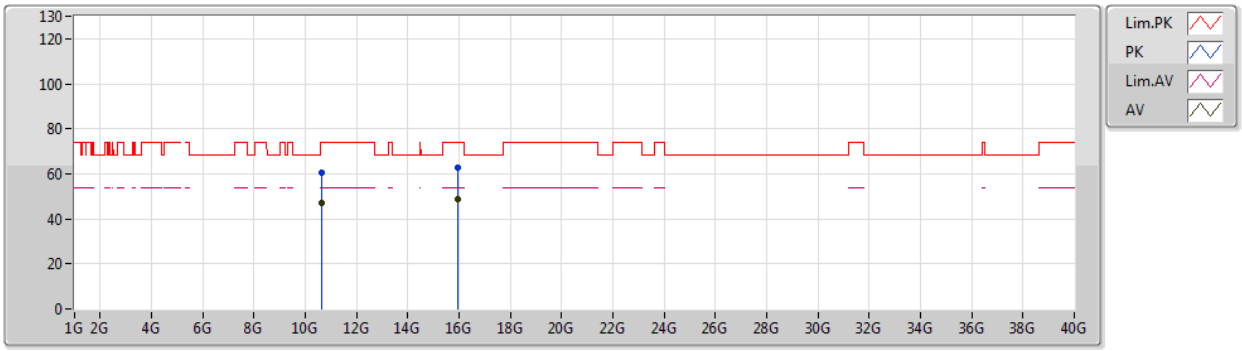


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.63994G	44.92	54.00	-9.08	15.44	3	Vertical	152	1.04	-	29.48	39.73	10.38	34.67
AV	15.96132G	46.31	54.00	-7.69	15.62	3	Vertical	185	2.96	-	30.69	37.24	13.48	35.10
PK	10.63994G	58.15	74.00	-15.85	15.44	3	Vertical	152	1.04	-	42.71	39.73	10.38	34.67
PK	15.9666G	59.28	74.00	-14.72	15.59	3	Vertical	185	2.96	-	43.69	37.22	13.48	35.11

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

20/08/2019

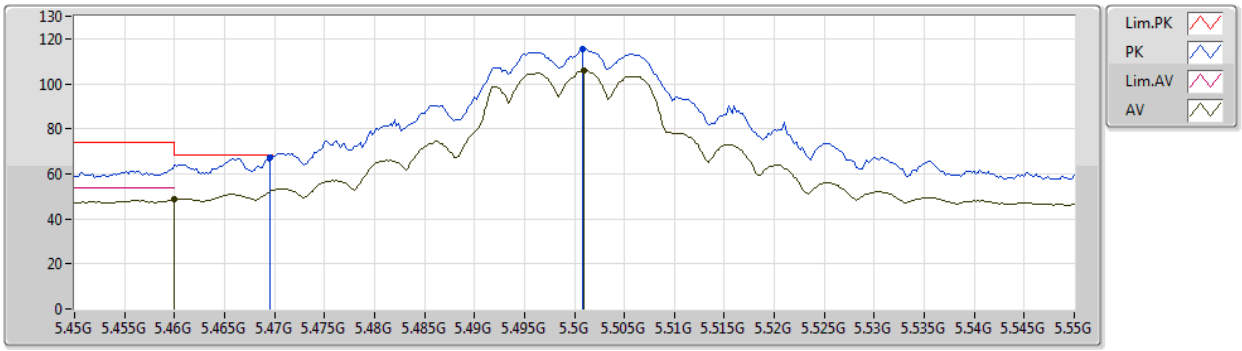


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.63994G	47.30	54.00	-6.70	15.44	3	Horizontal	148	1.00	-	31.86	39.73	10.38	34.67
AV	15.96066G	48.93	54.00	-5.07	15.63	3	Horizontal	197	2.69	-	33.30	37.25	13.48	35.10
PK	10.64G	60.45	74.00	-13.55	15.44	3	Horizontal	148	1.00	-	45.01	39.73	10.38	34.67
PK	15.96048G	63.00	74.00	-11.00	15.62	3	Horizontal	197	2.69	-	47.38	37.25	13.47	35.10

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

20/08/2019

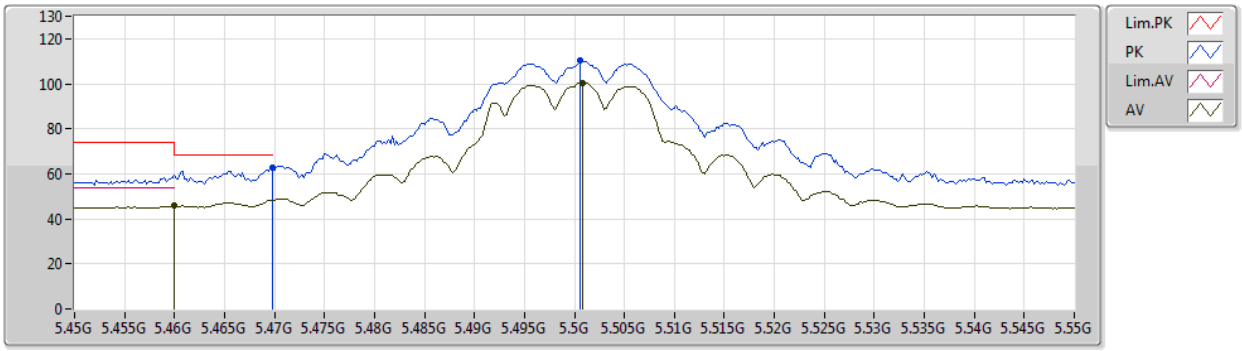


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.46G	48.64	54.00	-5.36	4.90	3	Vertical	20	2.23	-	43.74	31.88	7.43	34.41
AV	5.501G	106.06	Inf	-Inf	4.97	3	Vertical	20	2.23	-	101.09	31.90	7.48	34.41
PK	5.4696G	67.17	68.20	-1.03	4.92	3	Vertical	20	2.23	-	62.25	31.89	7.44	34.41
PK	5.5008G	115.36	Inf	-Inf	4.97	3	Vertical	20	2.23	-	110.39	31.90	7.48	34.41

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

20/08/2019

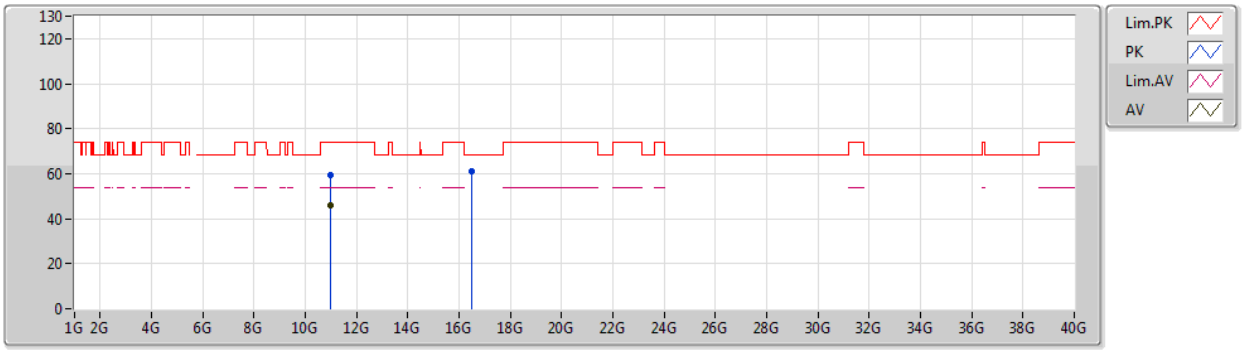


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.46G	45.93	54.00	-8.07	4.90	3	Horizontal	315	2.37	-	41.03	31.88	7.43	34.41
AV	5.5008G	100.50	Inf	-Inf	4.97	3	Horizontal	315	2.37	-	95.53	31.90	7.48	34.41
PK	5.4698G	62.61	68.20	-5.59	4.92	3	Horizontal	315	2.37	-	57.69	31.89	7.44	34.41
PK	5.5006G	110.23	Inf	-Inf	4.97	3	Horizontal	315	2.37	-	105.26	31.90	7.48	34.41

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

20/08/2019

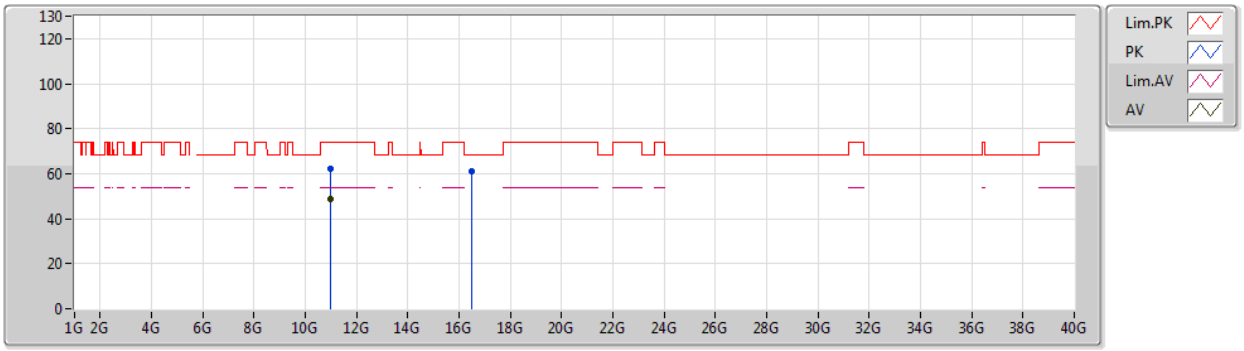


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.99826G	45.69	54.00	-8.31	16.27	3	Vertical	156	1.08	-	29.42	40.20	10.44	34.37
PK	10.99838G	59.13	74.00	-14.87	16.27	3	Vertical	156	1.08	-	42.86	40.20	10.44	34.37
PK	16.49988G	60.89	68.20	-7.31	17.84	3	Vertical	172	1.82	-	43.05	38.55	13.69	34.40

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

20/08/2019

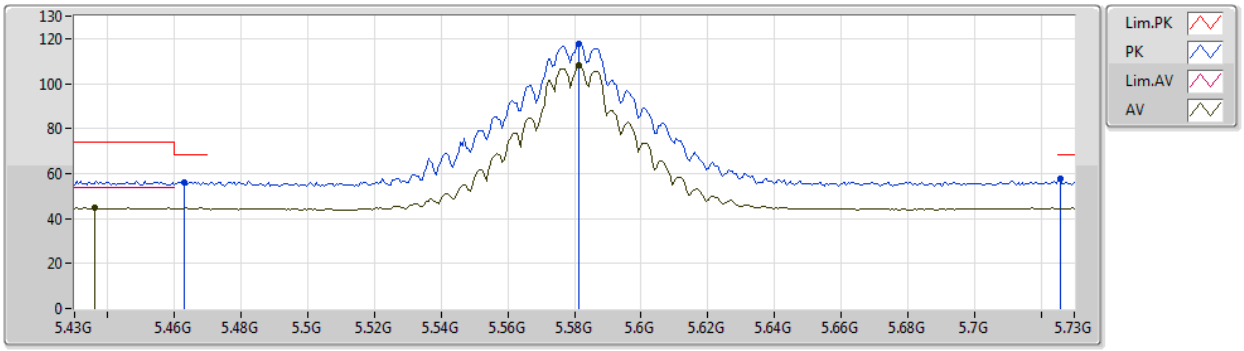


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.9997G	49.01	54.00	-4.99	16.27	3	Horizontal	141	1.04	-	32.74	40.20	10.44	34.37
PK	10.99952G	62.44	74.00	-11.56	16.27	3	Horizontal	141	1.04	-	46.17	40.20	10.44	34.37
PK	16.49778G	61.30	68.20	-6.90	17.83	3	Horizontal	182	1.01	-	43.47	38.54	13.69	34.40

802.11a_Nss1,(6Mbps)_2TX

20/08/2019

5580MHz_TX

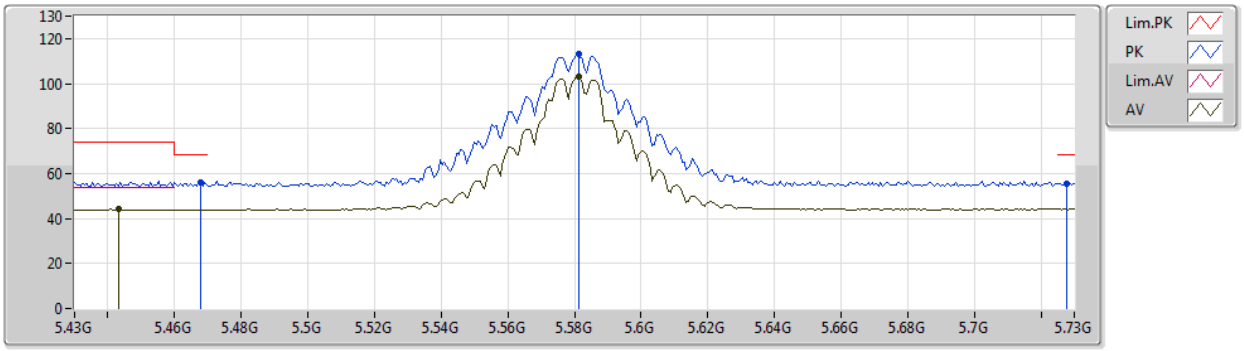


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.436G	44.79	54.00	-9.21	4.86	3	Vertical	22	3.00	-	39.93	31.87	7.40	34.41
AV	5.5812G	108.11	Inf	-Inf	5.11	3	Vertical	22	3.00	-	103.00	32.01	7.53	34.43
PK	5.463G	56.11	68.20	-12.09	4.91	3	Vertical	22	3.00	-	51.20	31.89	7.43	34.41
PK	5.5812G	117.48	Inf	-Inf	5.11	3	Vertical	22	3.00	-	112.37	32.01	7.53	34.43
PK	5.7258G	57.56	68.20	-10.64	5.38	3	Vertical	22	3.00	-	52.18	32.22	7.62	34.46

802.11a_Nss1,(6Mbps)_2TX

20/08/2019

5580MHz_TX

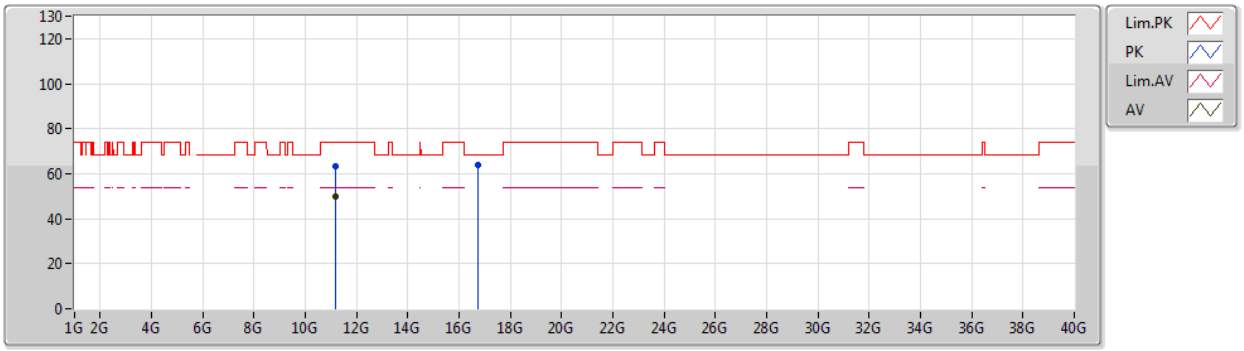


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4432G	44.06	54.00	-9.94	4.87	3	Horizontal	154	2.31	-	39.19	31.88	7.40	34.41
AV	5.5812G	103.18	Inf	-Inf	5.11	3	Horizontal	154	2.31	-	98.07	32.01	7.53	34.43
PK	5.4678G	56.07	68.20	-12.13	4.92	3	Horizontal	154	2.31	-	51.15	31.89	7.44	34.41
PK	5.5812G	113.04	Inf	-Inf	5.11	3	Horizontal	154	2.31	-	107.93	32.01	7.53	34.43
PK	5.7276G	55.52	68.20	-12.68	5.38	3	Horizontal	154	2.31	-	50.14	32.22	7.62	34.46

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

20/08/2019

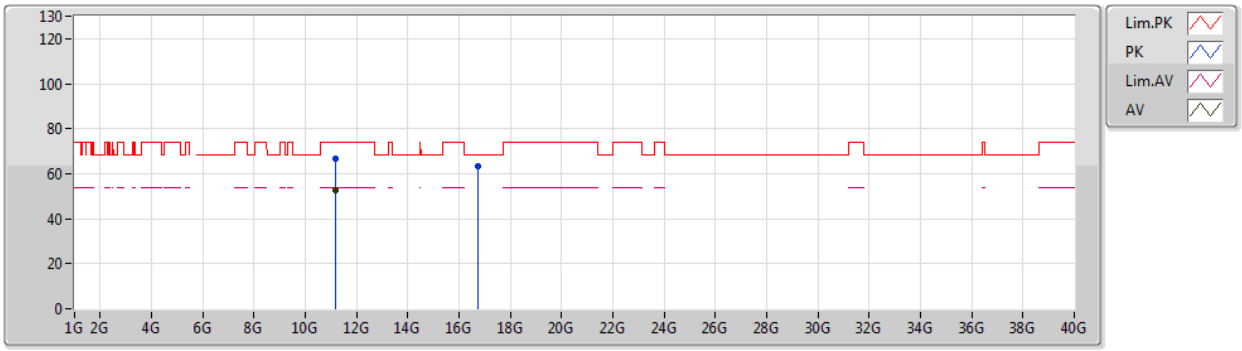


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.1588G	49.85	54.00	-4.15	16.12	3	Vertical	355	2.79	-	33.73	40.01	10.52	34.41
PK	11.1585G	63.29	74.00	-10.71	16.12	3	Vertical	355	2.79	-	47.17	40.01	10.52	34.41
PK	16.7379G	63.69	68.20	-4.51	18.96	3	Vertical	174	2.33	-	44.73	39.24	13.76	34.04

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

20/08/2019

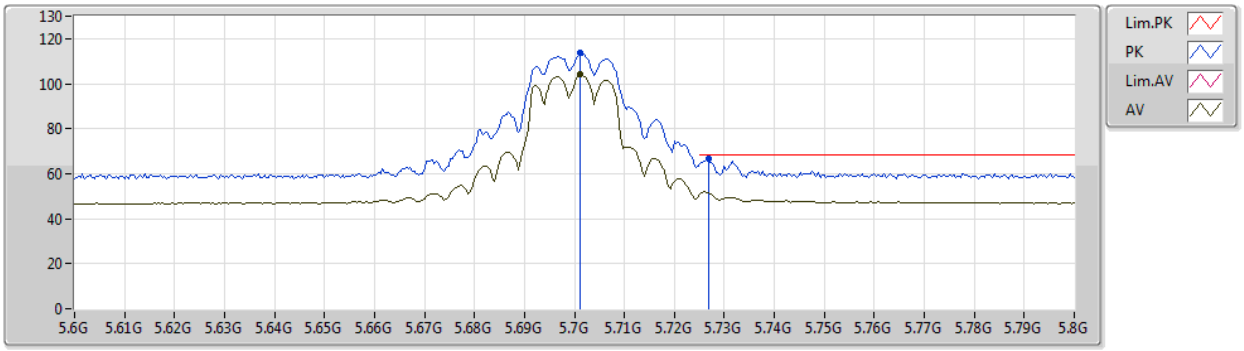


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.15862G	52.78	54.00	-1.22	16.12	3	Horizontal	134	1.09	-	36.66	40.01	10.52	34.41
PK	11.1585G	66.69	74.00	-7.31	16.12	3	Horizontal	134	1.09	-	50.57	40.01	10.52	34.41
PK	16.73814G	63.37	68.20	-4.83	18.96	3	Horizontal	181	2.00	-	44.41	39.24	13.76	34.04

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

21/08/2019

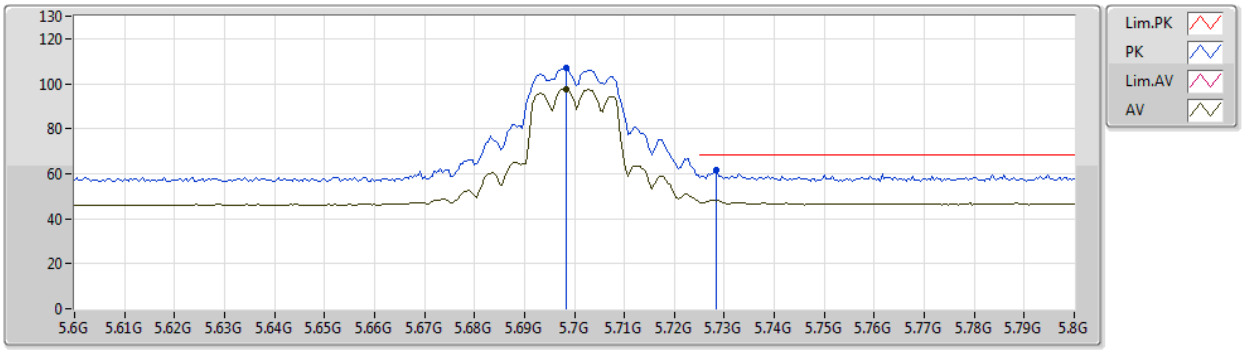


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7012G	104.02	Inf	-Inf	6.80	3	Vertical	15	1.96	-	97.22	31.80	9.35	34.35
PK	5.7012G	113.66	Inf	-Inf	6.80	3	Vertical	15	1.96	-	106.86	31.80	9.35	34.35
PK	5.7268G	66.62	68.20	-1.58	6.90	3	Vertical	15	1.96	-	59.72	31.88	9.38	34.36

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

21/08/2019

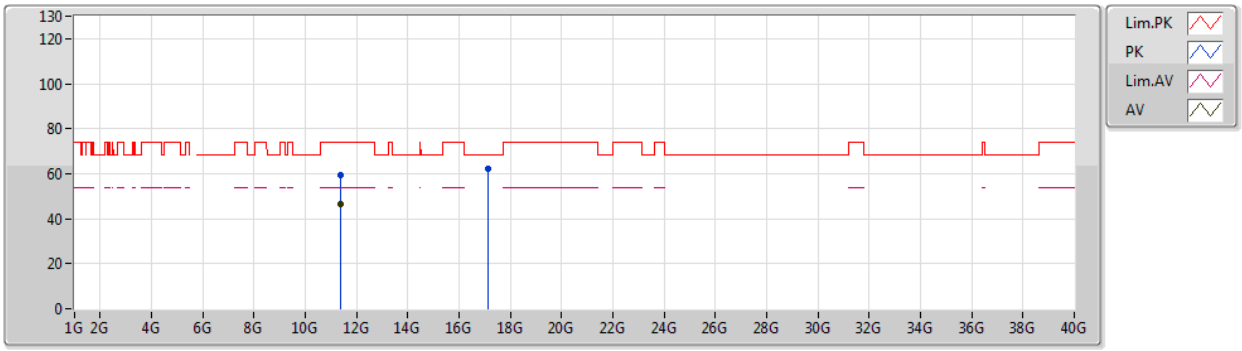


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.6984G	97.57	Inf	-Inf	6.79	3	Horizontal	341	1.06	-	90.78	31.80	9.34	34.35
PK	5.6984G	106.75	Inf	-Inf	6.79	3	Horizontal	341	1.06	-	99.96	31.80	9.34	34.35
PK	5.7284G	61.87	68.20	-6.33	6.91	3	Horizontal	341	1.06	-	54.96	31.89	9.38	34.36

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

21/08/2019

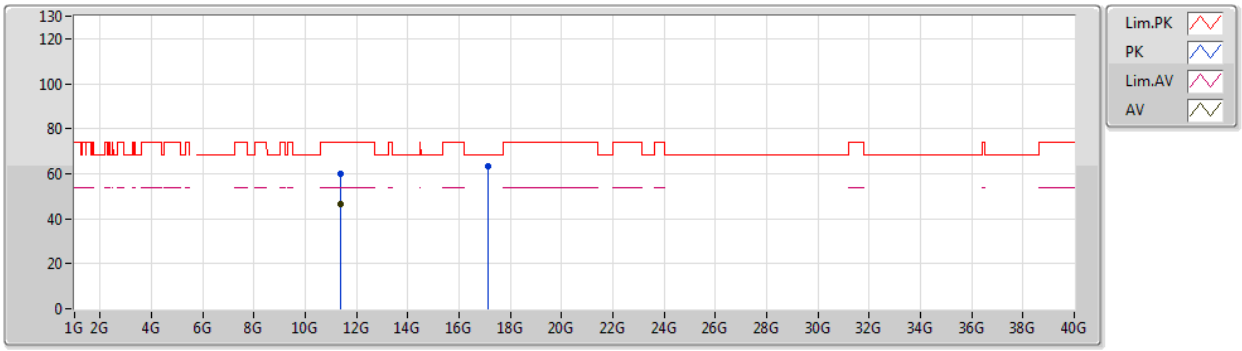


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.4G	46.44	54.00	-7.56	15.88	3	Vertical	136	2.58	-	30.56	39.72	10.64	34.48
PK	11.3994G	59.54	74.00	-14.46	15.88	3	Vertical	136	2.58	-	43.66	39.72	10.64	34.48
PK	17.10714G	62.35	68.20	-5.85	20.87	3	Vertical	170	1.50	-	41.48	40.71	13.87	33.71

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

21/08/2019

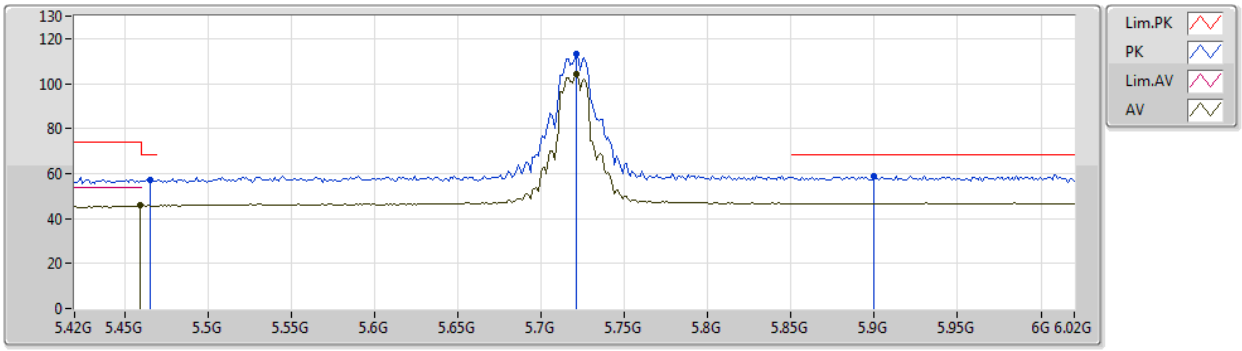


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.40006G	46.67	54.00	-7.33	15.88	3	Horizontal	30	1.08	-	30.79	39.72	10.64	34.48
PK	11.39958G	60.15	74.00	-13.85	15.88	3	Horizontal	30	1.08	-	44.27	39.72	10.64	34.48
PK	17.11014G	63.12	68.20	-5.08	20.89	3	Horizontal	195	1.50	-	42.23	40.73	13.87	33.71

802.11a_Nss1,(6Mbps)_2TX

21/08/2019

5720MHz Straddle 5.47-5.725GHz_TX

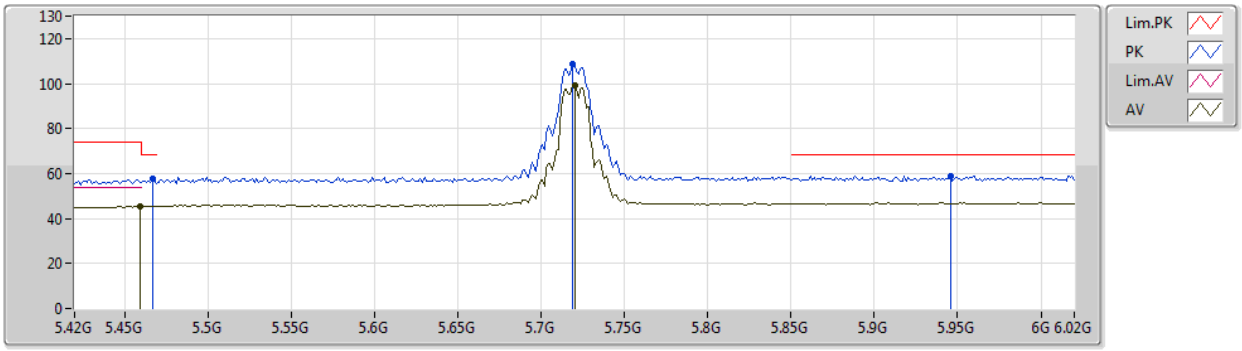


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4596G	45.67	54.00	-8.33	6.70	3	Vertical	17	2.38	-	38.97	31.68	9.18	34.16
AV	5.7212G	104.22	Inf	-Inf	6.88	3	Vertical	17	2.38	-	97.34	31.86	9.37	34.35
PK	5.4656G	57.15	68.20	-11.05	6.74	3	Vertical	17	2.38	-	50.41	31.70	9.19	34.15
PK	5.7212G	112.91	Inf	-Inf	6.88	3	Vertical	17	2.38	-	106.03	31.86	9.37	34.35
PK	5.9G	59.01	68.20	-9.19	7.54	3	Vertical	17	2.38	-	51.47	32.40	9.52	34.38

802.11a_Nss1,(6Mbps)_2TX

21/08/2019

5720MHz Straddle 5.47-5.725GHz_TX

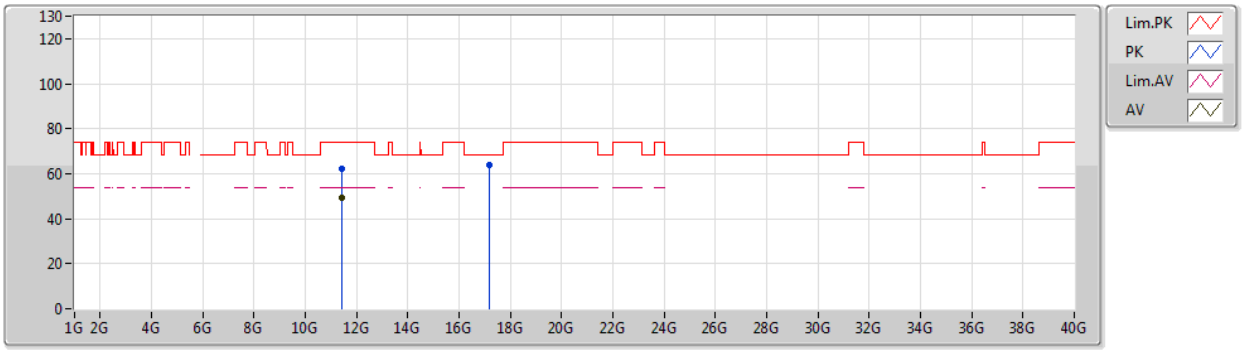


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.4596G	45.32	54.00	-8.68	6.70	3	Horizontal	282	2.42	-	38.62	31.68	9.18	34.16
AV	5.72G	99.39	Inf	-Inf	6.88	3	Horizontal	282	2.42	-	92.51	31.86	9.37	34.35
PK	5.4668G	57.65	68.20	-10.55	6.75	3	Horizontal	282	2.42	-	50.90	31.70	9.19	34.14
PK	5.7188G	108.72	Inf	-Inf	6.88	3	Horizontal	282	2.42	-	101.84	31.86	9.37	34.35
PK	5.9456G	58.87	68.20	-9.33	7.67	3	Horizontal	282	2.42	-	51.20	32.40	9.54	34.27

802.11a_Nss1,(6Mbps)_2TX

21/08/2019

5720MHz Straddle 5.47-5.725GHz_TX

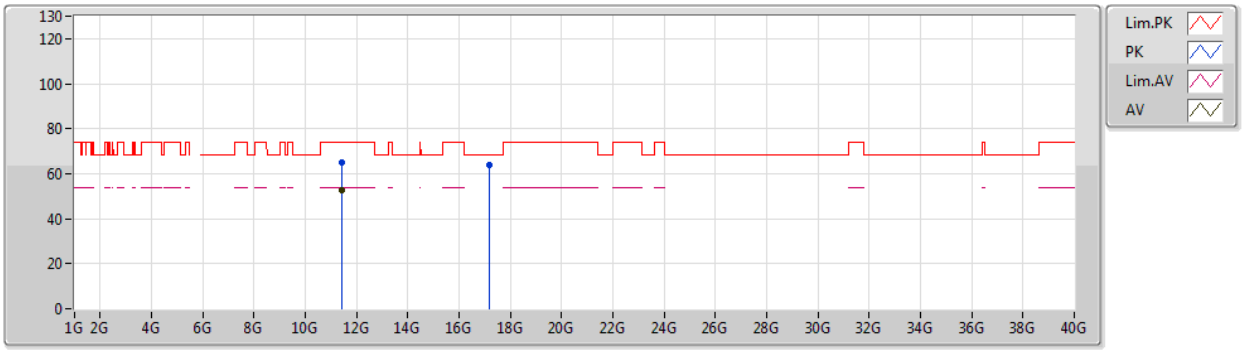


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.43916G	49.18	54.00	-4.82	17.97	3	Vertical	321	1.01	-	31.21	39.63	12.57	34.23
PK	11.43958G	62.29	74.00	-11.71	17.97	3	Vertical	321	1.01	-	44.32	39.63	12.57	34.23
PK	17.16368G	63.93	68.20	-4.27	22.76	3	Vertical	359	1.50	-	41.17	41.33	15.25	33.82

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

21/08/2019

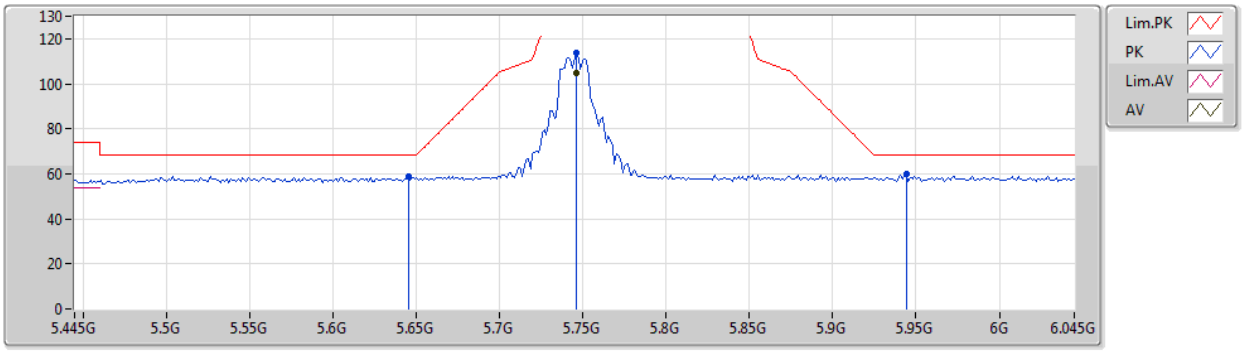


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.43904G	52.48	54.00	-1.52	17.97	3	Horizontal	182	1.09	-	34.51	39.63	12.57	34.23
PK	11.44318G	65.16	74.00	-8.84	17.96	3	Horizontal	182	1.09	-	47.20	39.62	12.57	34.23
PK	17.16558G	63.98	68.20	-4.22	22.77	3	Horizontal	189	1.00	-	41.21	41.34	15.25	33.82

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

21/08/2019

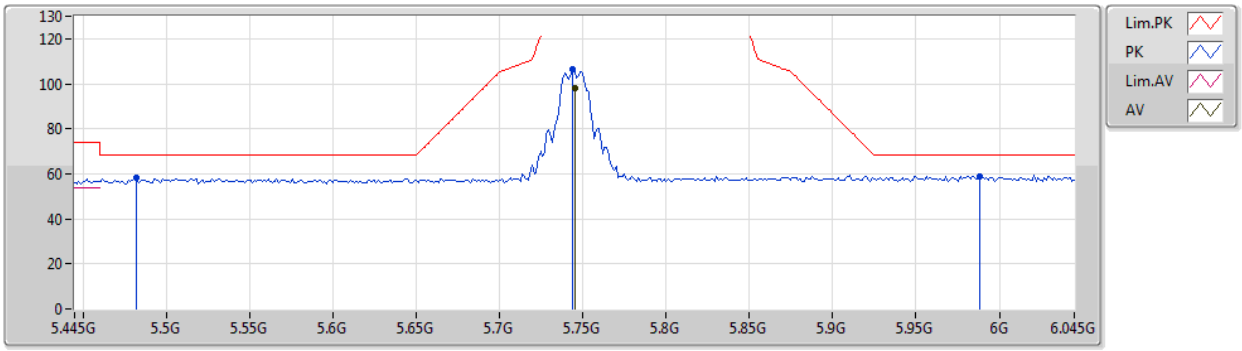


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7462G	104.67	Inf	-Inf	6.98	3	Vertical	15	2.39	-	97.69	31.94	9.40	34.36
PK	5.6454G	58.90	68.20	-9.30	6.63	3	Vertical	15	2.39	-	52.27	31.69	9.28	34.34
PK	5.7462G	113.52	Inf	-Inf	6.98	3	Vertical	15	2.39	-	106.54	31.94	9.40	34.36
PK	5.9442G	60.10	68.20	-8.10	7.67	3	Vertical	15	2.39	-	52.43	32.40	9.54	34.27

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

21/08/2019

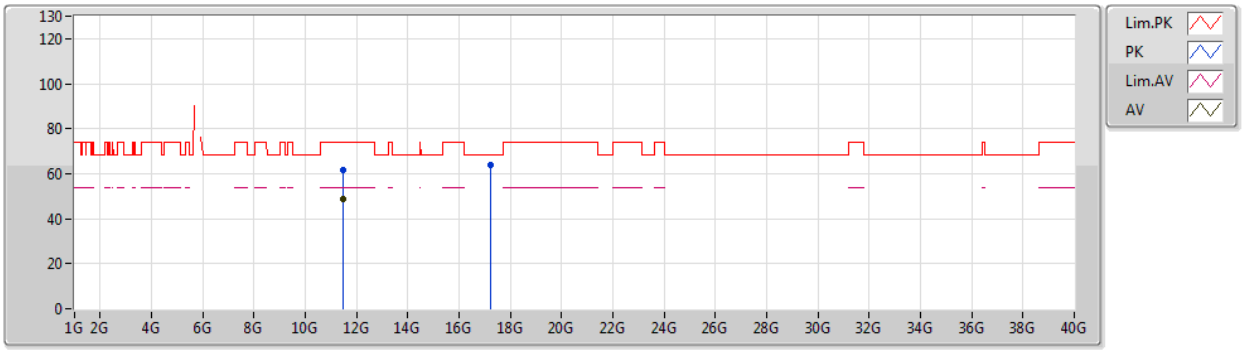


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.745G	97.96	Inf	-Inf	6.98	3	Horizontal	292	2.08	-	90.98	31.94	9.40	34.36
PK	5.4822G	58.03	68.20	-10.17	6.84	3	Horizontal	292	2.08	-	51.19	31.75	9.19	34.10
PK	5.7438G	106.22	Inf	-Inf	6.97	3	Horizontal	292	2.08	-	99.25	31.93	9.40	34.36
PK	5.9886G	58.94	68.20	-9.26	7.79	3	Horizontal	292	2.08	-	51.15	32.40	9.56	34.17

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

21/08/2019

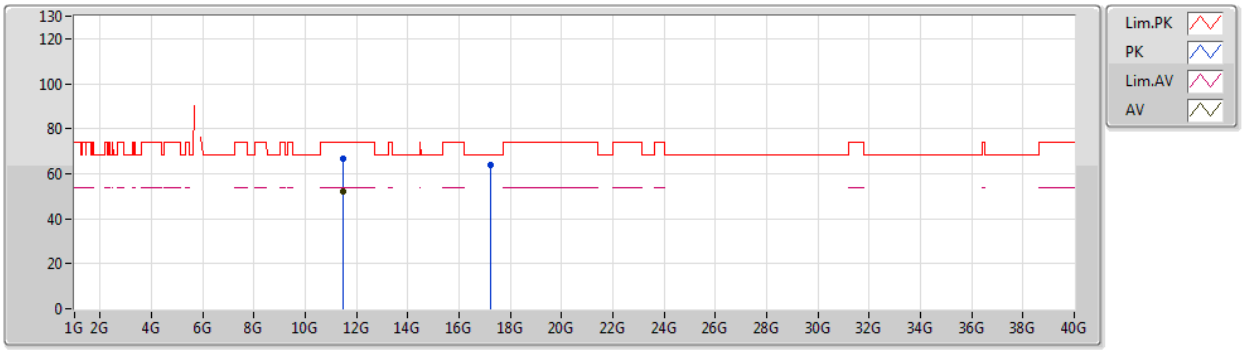


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.48958G	48.66	54.00	-5.34	17.93	3	Vertical	317	1.11	-	30.73	39.56	12.60	34.23
PK	11.48868G	61.55	74.00	-12.45	17.93	3	Vertical	317	1.11	-	43.62	39.56	12.60	34.23
PK	17.24274G	63.86	68.20	-4.34	23.33	3	Vertical	251	2.06	-	40.53	41.87	15.29	33.83

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

21/08/2019

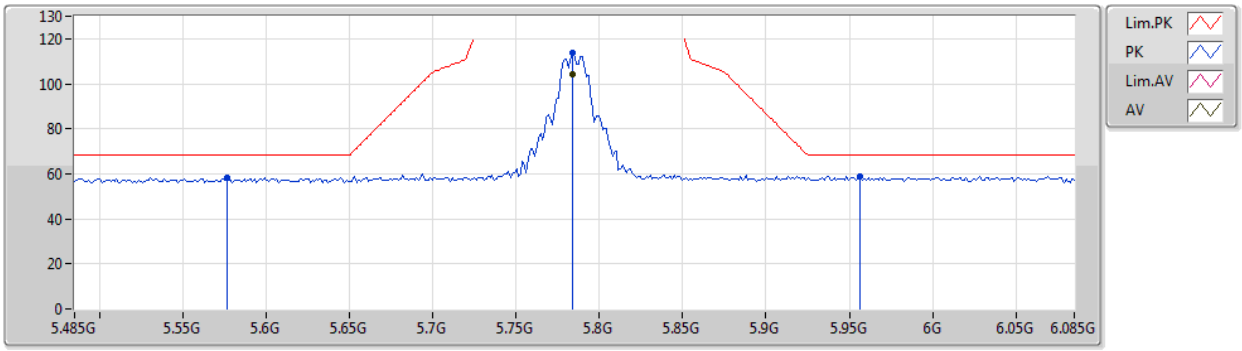


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.4891G	52.14	54.00	-1.86	17.93	3	Horizontal	178	1.08	-	34.21	39.56	12.60	34.23
PK	11.48838G	66.63	74.00	-7.37	17.94	3	Horizontal	178	1.08	-	48.69	39.57	12.60	34.23
PK	17.23472G	64.05	68.20	-4.15	23.27	3	Horizontal	66	1.00	-	40.78	41.82	15.28	33.83

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

21/08/2019

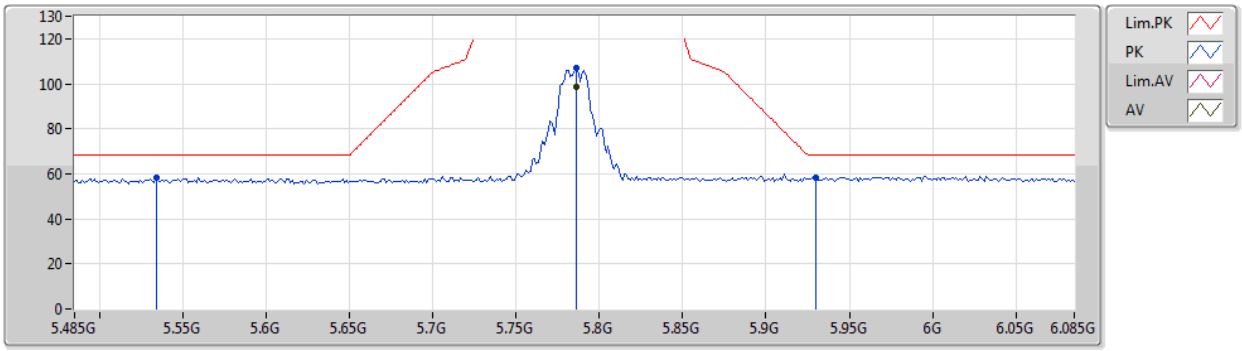


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7838G	104.23	Inf	-Inf	7.13	3	Vertical	11	2.12	-	97.10	32.05	9.45	34.37
PK	5.5762G	58.29	68.20	-9.91	6.60	3	Vertical	11	2.12	-	51.69	31.65	9.22	34.27
PK	5.7838G	113.68	Inf	-Inf	7.13	3	Vertical	11	2.12	-	106.55	32.05	9.45	34.37
PK	5.9566G	58.94	68.20	-9.26	7.70	3	Vertical	11	2.12	-	51.24	32.40	9.54	34.24

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

21/08/2019

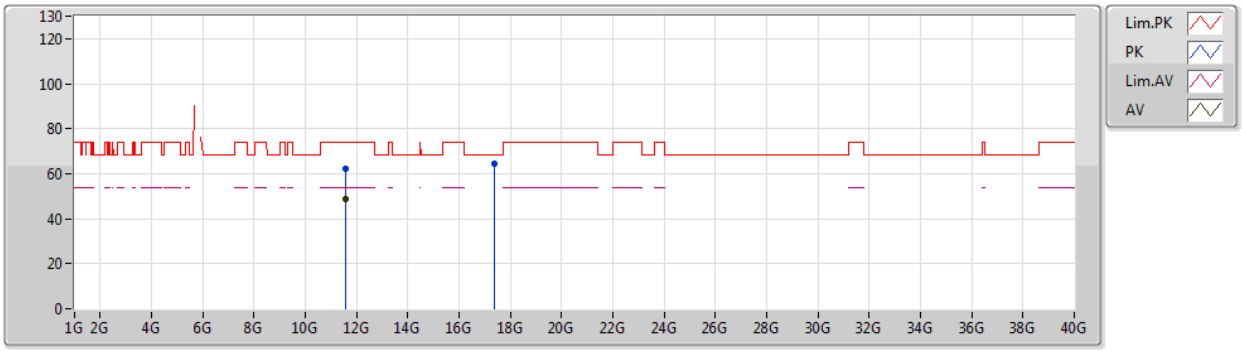


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7862G	98.75	Inf	-Inf	7.14	3	Horizontal	303	2.06	-	91.61	32.06	9.45	34.37
PK	5.5342G	58.14	68.20	-10.06	6.77	3	Horizontal	303	2.06	-	51.37	31.73	9.20	34.16
PK	5.7862G	107.17	Inf	-Inf	7.14	3	Horizontal	303	2.06	-	100.03	32.06	9.45	34.37
PK	5.9302G	58.47	68.20	-9.73	7.62	3	Horizontal	303	2.06	-	50.85	32.40	9.53	34.31

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

21/08/2019

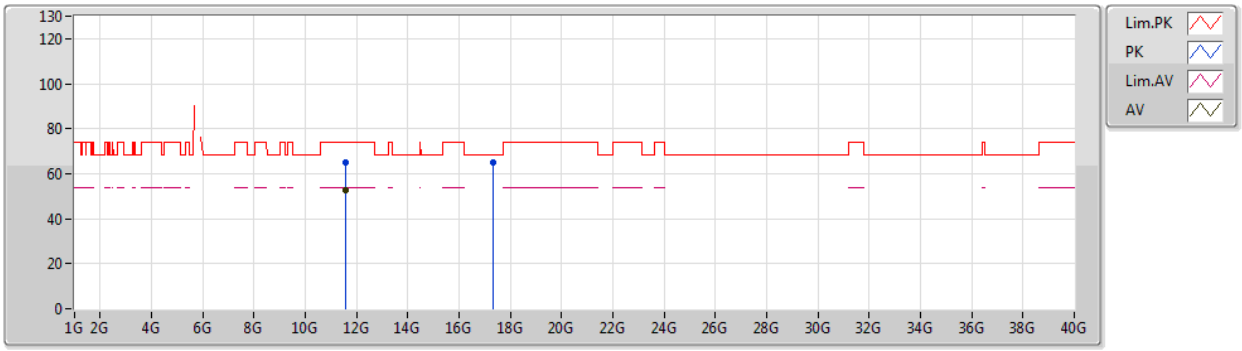


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.56832G	48.92	54.00	-5.08	17.86	3	Vertical	155	2.38	-	31.06	39.46	12.64	34.24
PK	11.5682G	62.38	74.00	-11.62	17.86	3	Vertical	155	2.38	-	44.52	39.46	12.64	34.24
PK	17.35488G	64.40	68.20	-3.80	24.14	3	Vertical	122	1.49	-	40.26	42.65	15.34	33.85

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

21/08/2019

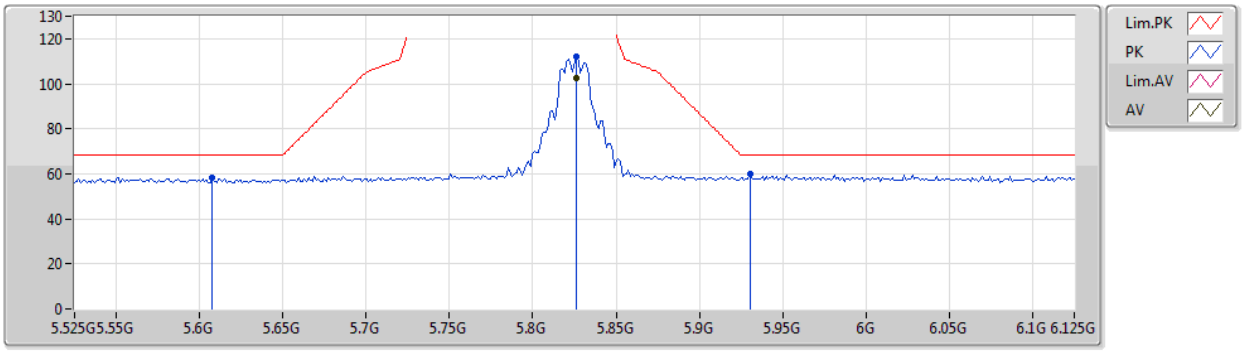


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.56826G	52.47	54.00	-1.53	17.86	3	Horizontal	110	1.21	-	34.61	39.46	12.64	34.24
PK	11.56838G	65.17	74.00	-8.83	17.86	3	Horizontal	110	1.21	-	47.31	39.46	12.64	34.24
PK	17.34924G	64.75	68.20	-3.45	24.10	3	Horizontal	216	1.63	-	40.65	42.61	15.34	33.85

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

21/08/2019

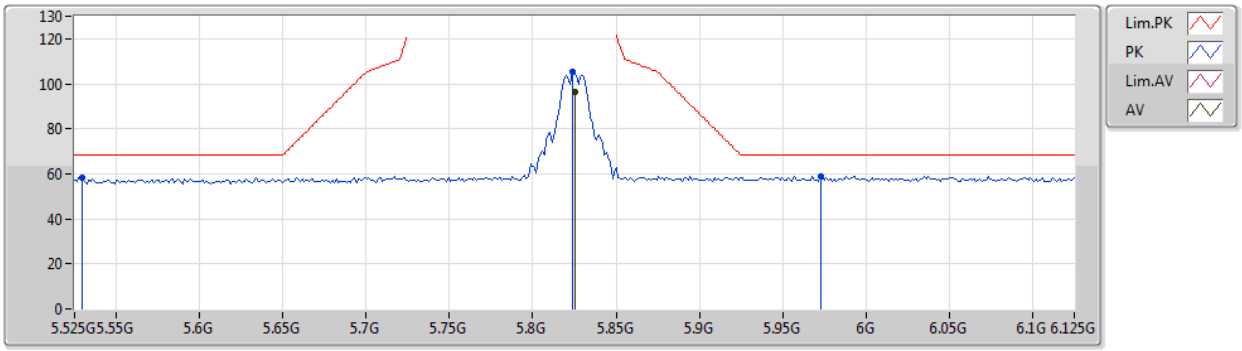


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8262G	102.79	Inf	-Inf	7.29	3	Vertical	350	2.25	-	95.50	32.18	9.48	34.37
PK	5.8262G	112.21	Inf	-Inf	7.29	3	Vertical	350	2.25	-	104.92	32.18	9.48	34.37
PK	5.6078G	58.11	68.20	-10.09	6.51	3	Vertical	350	2.25	-	51.60	31.62	9.23	34.34
PK	5.9306G	59.79	68.20	-8.41	7.62	3	Vertical	350	2.25	-	52.17	32.40	9.53	34.31

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

21/08/2019

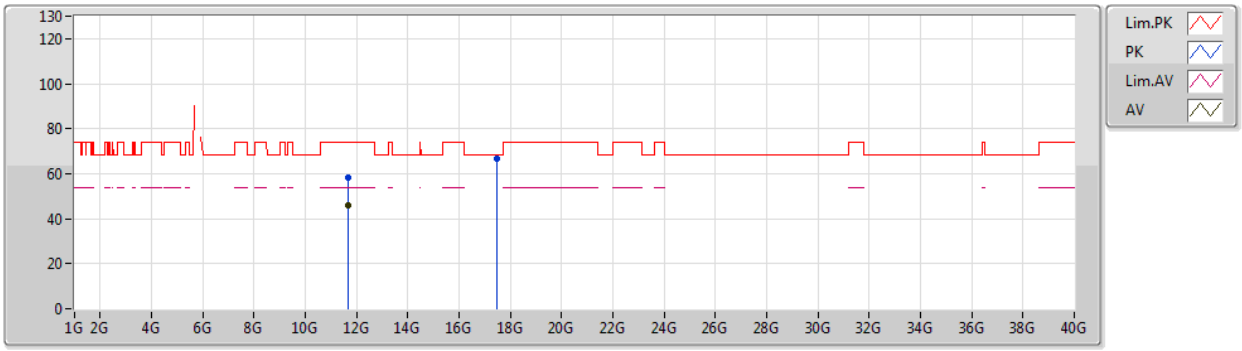


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.825G	96.17	Inf	-Inf	7.28	3	Horizontal	291	1.01	-	88.89	32.17	9.48	34.37
PK	5.5298G	58.24	68.20	-9.96	6.80	3	Horizontal	291	1.01	-	51.44	31.74	9.20	34.14
PK	5.8238G	105.28	Inf	-Inf	7.28	3	Horizontal	291	1.01	-	98.00	32.17	9.48	34.37
PK	5.9726G	58.93	68.20	-9.27	7.74	3	Horizontal	291	1.01	-	51.19	32.40	9.55	34.21

802.11a_Nss1,(6Mbps)_2TX

21/08/2019

5825MHz_TX

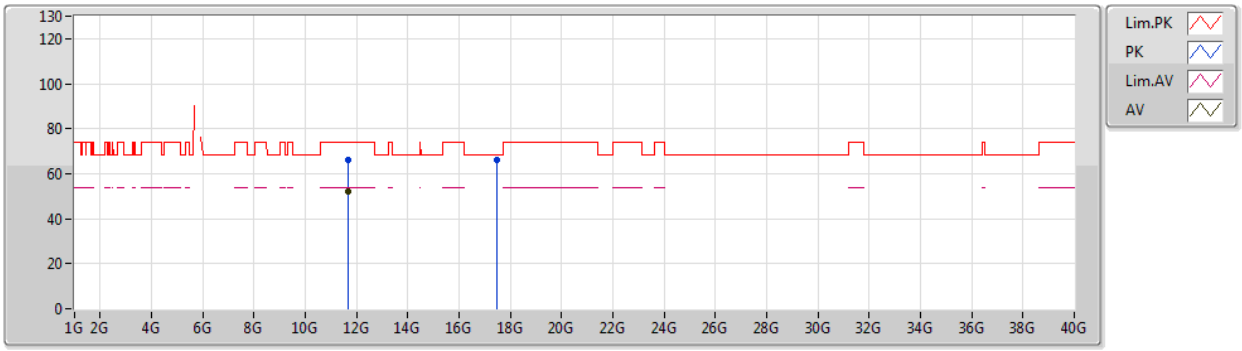


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.6539G	45.98	54.00	-8.02	17.80	3	Vertical	331	1.20	-	28.18	39.35	12.69	34.24
PK	11.64868G	58.37	74.00	-15.63	17.81	3	Vertical	331	1.20	-	40.56	39.36	12.69	34.24
PK	17.48256G	66.86	68.20	-1.34	25.06	3	Vertical	41	1.56	-	41.80	43.53	15.40	33.87

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

21/08/2019

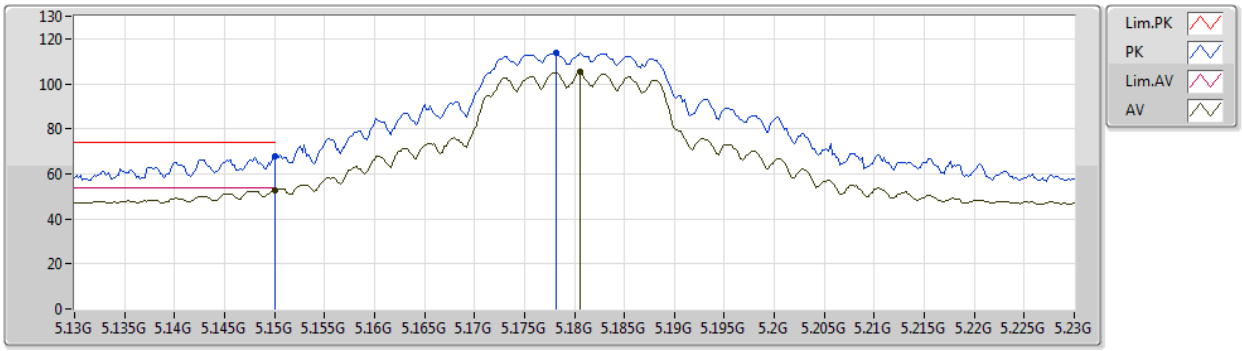


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.65372G	52.39	54.00	-1.61	17.80	3	Horizontal	115	1.00	-	34.59	39.35	12.69	34.24
PK	11.64886G	65.92	74.00	-8.08	17.81	3	Horizontal	115	1.00	-	48.11	39.36	12.69	34.24
PK	17.47488G	66.38	68.20	-1.82	25.01	3	Horizontal	352	1.63	-	41.37	43.48	15.40	33.87

802.11ac VHT20_Nss1,(MCS0)_2TX

20/08/2019

5180MHz_TX

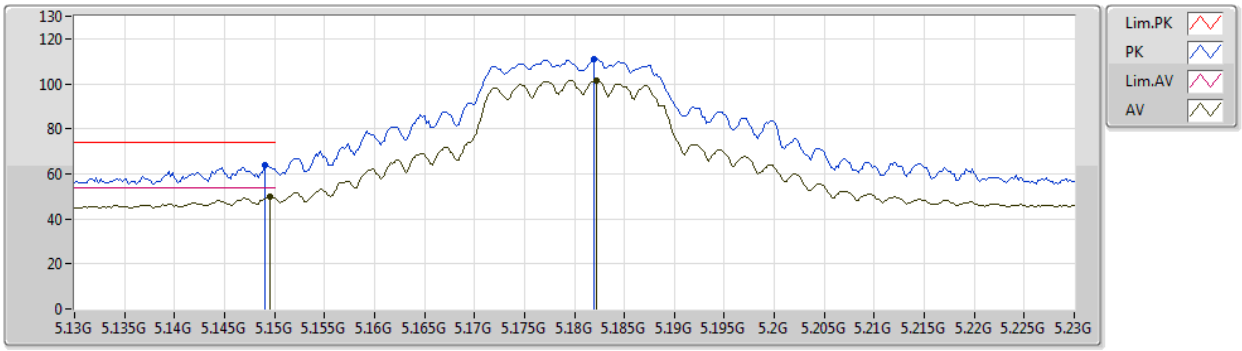


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	52.90	54.00	-1.10	4.37	3	Vertical	55	1.06	-	48.53	31.76	7.04	34.43
AV	5.1806G	105.16	Inf	-Inf	4.42	3	Vertical	55	1.06	-	100.74	31.77	7.07	34.42
PK	5.15G	67.72	74.00	-6.28	4.37	3	Vertical	55	1.06	-	63.35	31.76	7.04	34.43
PK	5.1782G	113.93	Inf	-Inf	4.42	3	Vertical	55	1.06	-	109.51	31.77	7.07	34.42

802.11ac VHT20_Nss1,(MCS0)_2TX

20/08/2019

5180MHz_TX

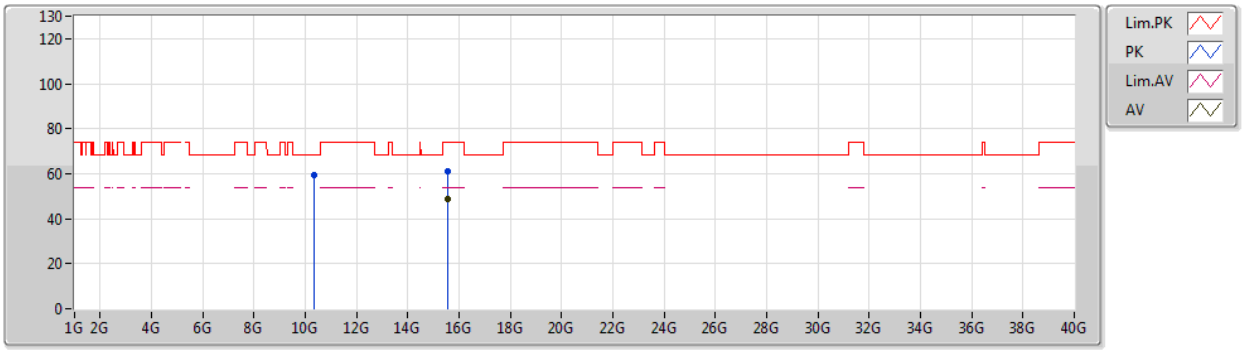


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	5.149G	63.60	74.00	-10.40	4.37	3	Horizontal	344	1.00	-	59.23	31.76	7.04	34.43
AV	5.1496G	50.00	54.00	-4.00	4.37	3	Horizontal	344	1.00	-	45.63	31.76	7.04	34.43
PK	5.182G	111.13	Inf	-Inf	4.43	3	Horizontal	344	1.00	-	106.70	31.77	7.08	34.42
AV	5.1822G	101.56	Inf	-Inf	4.43	3	Horizontal	344	1.00	-	97.13	31.77	7.08	34.42

802.11ac VHT20_Nss1,(MCS0)_2TX

20/08/2019

5180MHz_TX

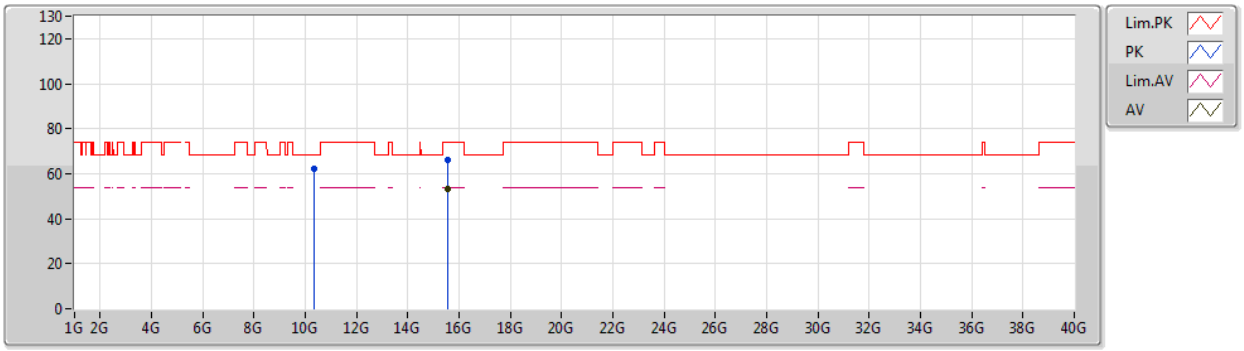


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.54018G	48.83	54.00	-5.17	17.00	3	Vertical	206	2.56	-	31.83	38.80	12.81	34.61
PK	10.3606G	59.38	68.20	-8.82	14.80	3	Vertical	254	1.14	-	44.58	39.37	10.33	34.90
PK	15.55128G	61.34	74.00	-12.66	16.97	3	Vertical	206	2.56	-	44.37	38.76	12.83	34.62

802.11ac VHT20_Nss1,(MCS0)_2TX

20/08/2019

5180MHz_TX

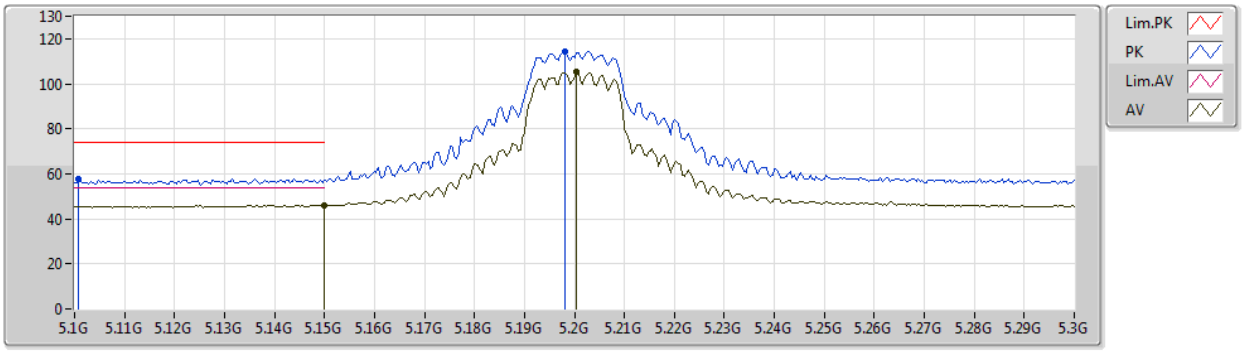


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.54294G	52.98	54.00	-1.02	17.00	3	Horizontal	207	1.00	-	35.98	38.79	12.82	34.61
PK	10.35712G	62.23	68.20	-5.97	14.79	3	Horizontal	199	1.11	-	47.44	39.36	10.33	34.90
PK	15.54012G	65.94	74.00	-8.06	17.00	3	Horizontal	207	1.00	-	48.94	38.80	12.81	34.61

802.11ac VHT20_Nss1,(MCS0)_2TX

21/08/2019

5200MHz_TX

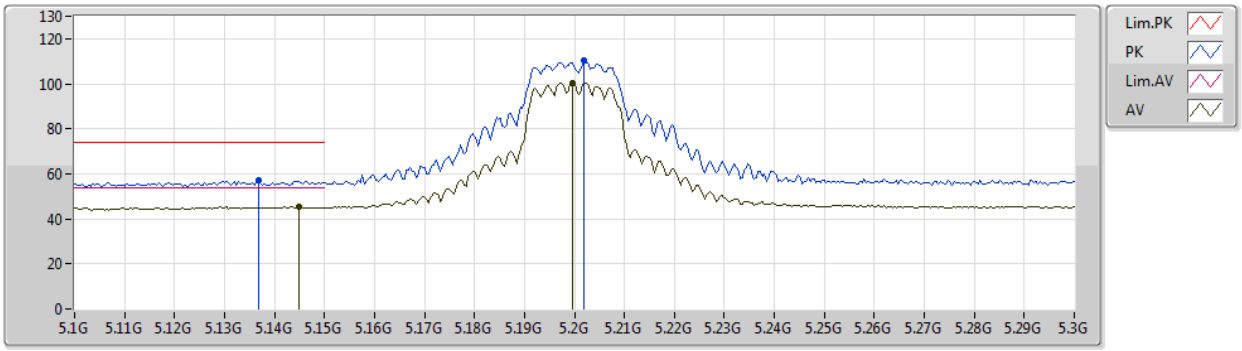


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	46.10	54.00	-7.90	4.37	3	Vertical	351	2.81	-	41.73	31.76	7.04	34.43
AV	5.2004G	105.17	Inf	-Inf	4.46	3	Vertical	351	2.81	-	100.71	31.78	7.10	34.42
PK	5.1008G	57.94	74.00	-16.06	4.28	3	Vertical	351	2.81	-	53.66	31.74	6.97	34.43
PK	5.198G	114.19	Inf	-Inf	4.46	3	Vertical	351	2.81	-	109.73	31.78	7.10	34.42

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

21/08/2019

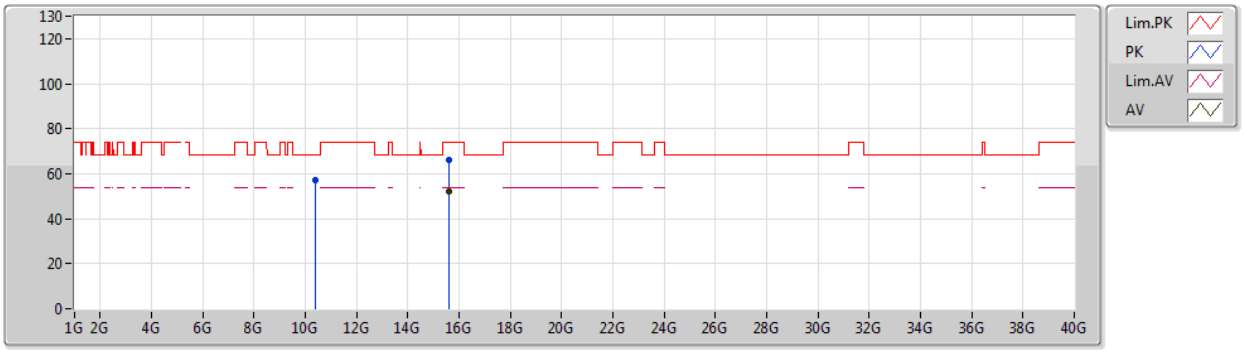


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1448G	45.33	54.00	-8.67	4.36	3	Horizontal	344	1.00	-	40.97	31.76	7.03	34.43
AV	5.1996G	100.46	Inf	-Inf	4.46	3	Horizontal	344	1.00	-	96.00	31.78	7.10	34.42
PK	5.1368G	56.92	74.00	-17.08	4.34	3	Horizontal	344	1.00	-	52.58	31.75	7.02	34.43
PK	5.202G	110.58	Inf	-Inf	4.46	3	Horizontal	344	1.00	-	106.12	31.78	7.10	34.42

802.11ac VHT20_Nss1,(MCS0)_2TX

21/08/2019

5200MHz_TX

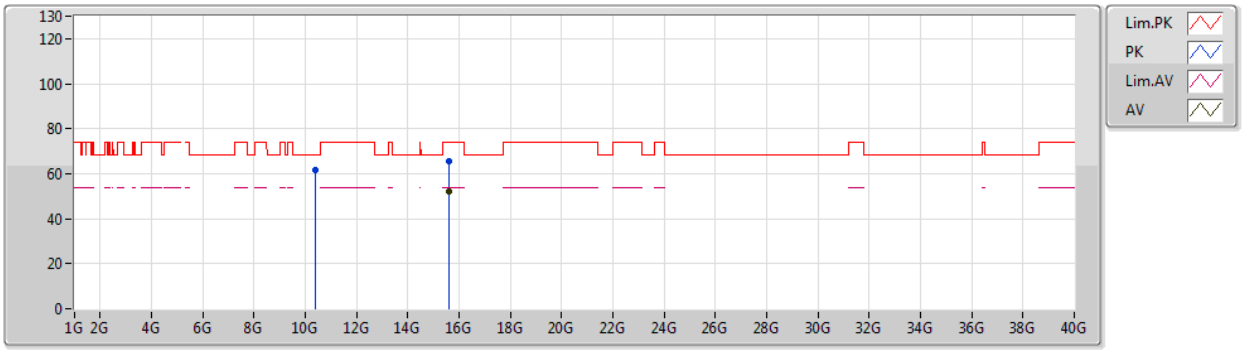


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.60006G	52.27	54.00	-1.73	16.81	3	Vertical	220	1.00	-	35.46	38.58	12.91	34.68
PK	10.40054G	57.07	68.20	-11.13	14.89	3	Vertical	224	1.32	-	42.18	39.42	10.34	34.87
PK	15.6051G	66.18	74.00	-7.82	16.80	3	Vertical	220	1.00	-	49.38	38.56	12.92	34.68

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

21/08/2019

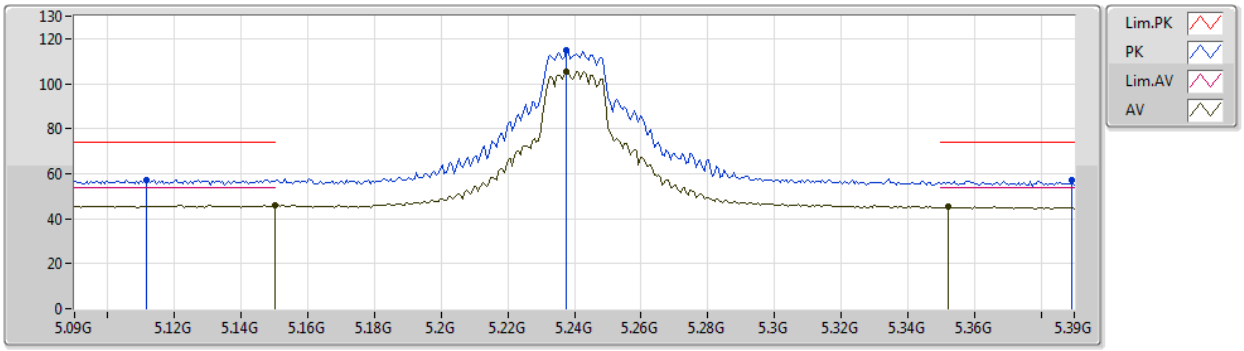


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.60006G	52.11	54.00	-1.89	16.81	3	Horizontal	219	1.00	-	35.30	38.58	12.91	34.68
PK	10.39712G	61.64	68.20	-6.56	14.88	3	Horizontal	197	1.26	-	46.76	39.42	10.33	34.87
PK	15.5973G	65.55	74.00	-8.45	16.82	3	Horizontal	219	1.00	-	48.73	38.59	12.90	34.67

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

20/08/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	45.93	54.00	-8.07	4.37	3	Vertical	5	2.78	-	41.56	31.76	7.04	34.43
AV	5.2376G	105.61	Inf	-Inf	4.53	3	Vertical	5	2.78	-	101.08	31.80	7.15	34.42
AV	5.3522G	45.48	54.00	-8.52	4.72	3	Vertical	5	2.78	-	40.76	31.84	7.29	34.41
PK	5.1116G	57.32	74.00	-16.68	4.30	3	Vertical	5	2.78	-	53.02	31.74	6.99	34.43
PK	5.2376G	114.66	Inf	-Inf	4.53	3	Vertical	5	2.78	-	110.13	31.80	7.15	34.42
PK	5.3894G	56.94	74.00	-17.06	4.79	3	Vertical	5	2.78	-	52.15	31.86	7.34	34.41