FCC Test Report

FCC ID	:	**BKMAE-WLU5630**
Equipment	:	**WLAN / BT Module**
Brand Name	:	**EPSON**
Model Name	:	**WLU5630B-D101(RoHS)**
Applicant	:	**SEIKO EPSON CORPORATION** **3-3-5 Owa Suwa-shi, Nagano-ken 392-8502 Japan**
Manufacturer	:	**SEIKO EPSON CORPORATION** **3-3-5 Owa Suwa-shi, Nagano-ken 392-8502 Japan**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Jan. 16, 2019, and testing was started from Jan. 24, 2019 and completed on Feb. 13, 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
FR8D2146AN	01	Initial issue of report	Mar. 04, 2019

Summary of Test Result

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

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

Reviewed by: Jackson Tsai

Report Producer: Debby Hung

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	EPSON	WLU5630B-D101(RoHS)	Printed Antenna	I-PEX

Ant.	Port	Gain (dBi)			
		2.4G	U-NII-1	U-NII-3	BT
1	1	1.92	1.42	2.21	-
2	2	2.22	2.11	2.00	2.22

For 2.4GHz function:

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

Support diversity function and pre-tested on each single chain, the worst case was Ant. 2(port 2) and it was record in this test report.

For BT function:

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

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

For 5GHz function:

For IEEE 802.11 a/an mode (1TX/1RX)

Support diversity function and pre-tested on each single chain, the worst case was Ant. 1(port 1) and it was record in this test report.

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	
Software / Firmware Version				MP EPSON 01	

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

<Master & Client mode>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.929	0.32	1.429m	1k
802.11ac VHT20	0.915	0.386	1.345m	1k
802.11ac VHT40	0.848	0.716	670u	3k
802.11ac VHT80	0.714	1.463	326.25u	10k

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

1.2 Testing Applied Standards

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

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

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	Gary	23.1~23.8°C / 61~61.8%	28/Jan/2019~31/Jan/2019
Radiated	03CH09-HY	Kevin	21~23°C / 45~49%	24/Jan/2019~13/Feb/2019
AC Conduction	CO04-HY	Daniel	23.1~23.8°C / 61~61.8%	28/Jan/2019~31/Jan/2019

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	5V

2.2 Test Channel Mode

<Master & Client mode>

Test Software	Dos

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_1TX(Port1)	-
5180MHz	57
5200MHz	57
5240MHz	58
5745MHz	59
5785MHz	60
5825MHz	61
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	-
5180MHz	57
5200MHz	57
5240MHz	58
5745MHz	60
5785MHz	60
5825MHz	61
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-
5190MHz	47
5230MHz	54
5755MHz	56
5795MHz	56
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-
5210MHz	49
5775MHz	58

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	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT			V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 2.4G + BT BR/EDR
2	WLAN 2.4G + BT LE
3	WLAN 5G + BT BR/EDR
4	WLAN 5G + BT LE
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4G + Bluetooth
2	WLAN 5G + Bluetooth
Refer to Sporton Test Report No.: FA8D2146 for Co-location RF Exposure Evaluation.	

2.4 Support Equipment

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	P40F	-
2	Adapter	DELL	LA65NS2-01	-
3	Test fixture	-	-	-

Note.Support equipment No.1,2,3 was provided by customer.

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	ASUS	ASUSPRO	-
2	Adapter for NB	ASUS	ADP-90YD B	-
3	Test Fixture	-	-	-

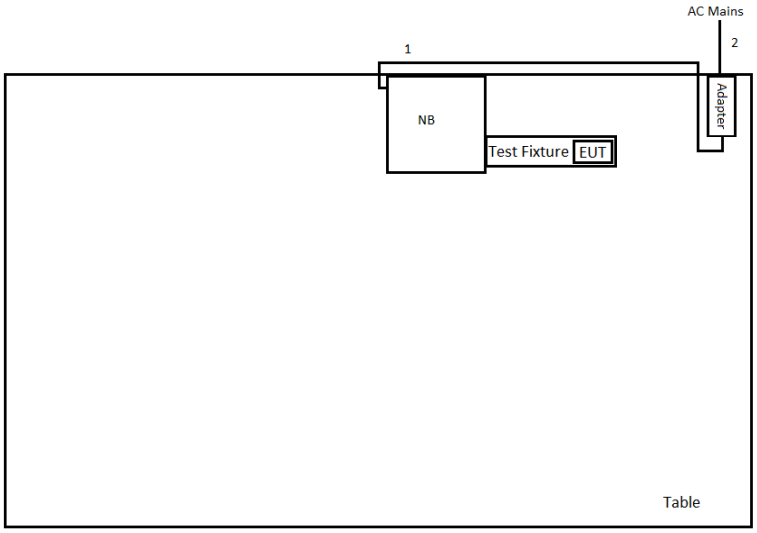
Note.Support equipment No.1,2,3 was provided by customer.

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	ASUS	ASUSPRO	-
2	Adapter	ASUS	ADP-90YD	-
3	Test fixture	-	-	-

Note.Support equipment No.1,2,3 was provided by customer.

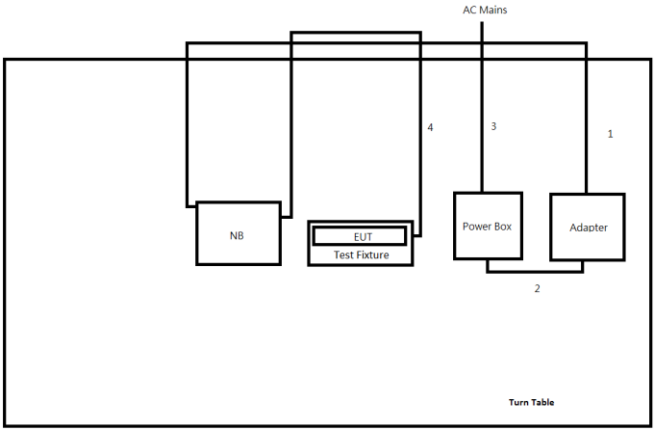
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	DC Power line	No	1.8	-
2	AC Power line	No	1.8	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	DC Power line	No	1.8	-
2	AC Power line	No	0.75	-
3	AC Power line	No	1.8	-
4	USB cable	No	1.8	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

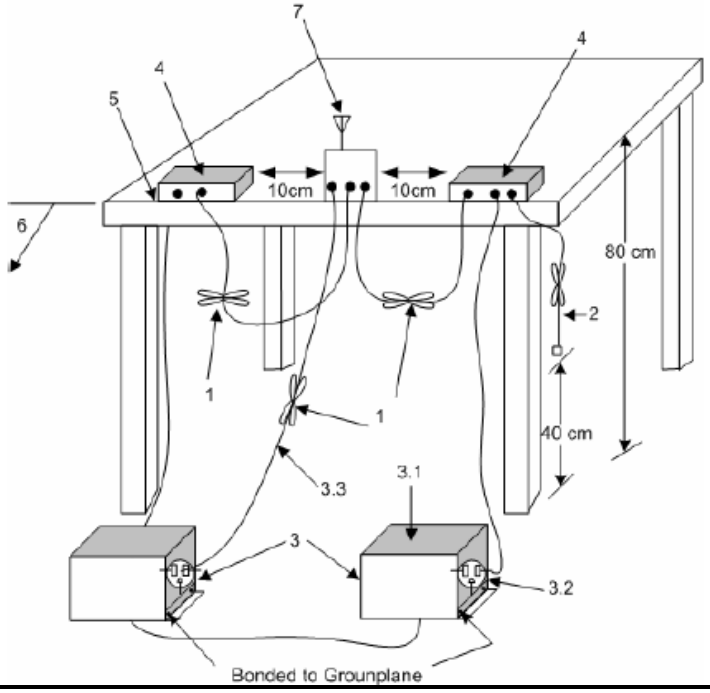
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



3.1.5 Test Result of AC Power-line Conducted Emissions

Refr as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

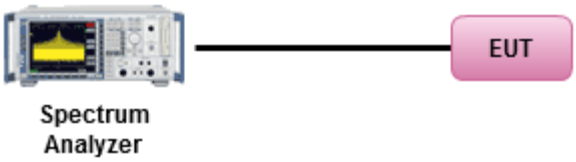
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

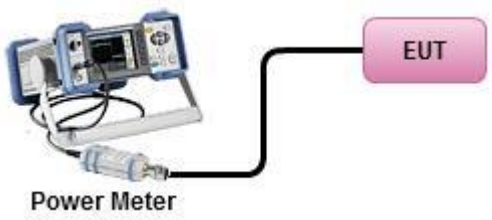
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

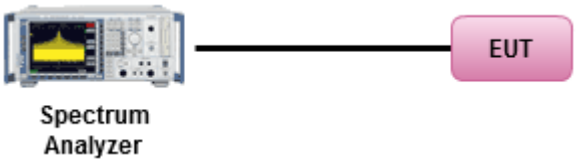
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

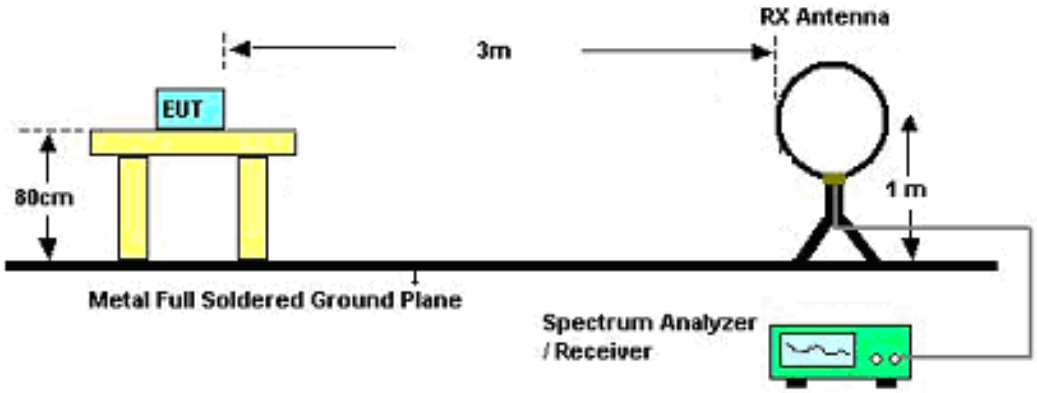
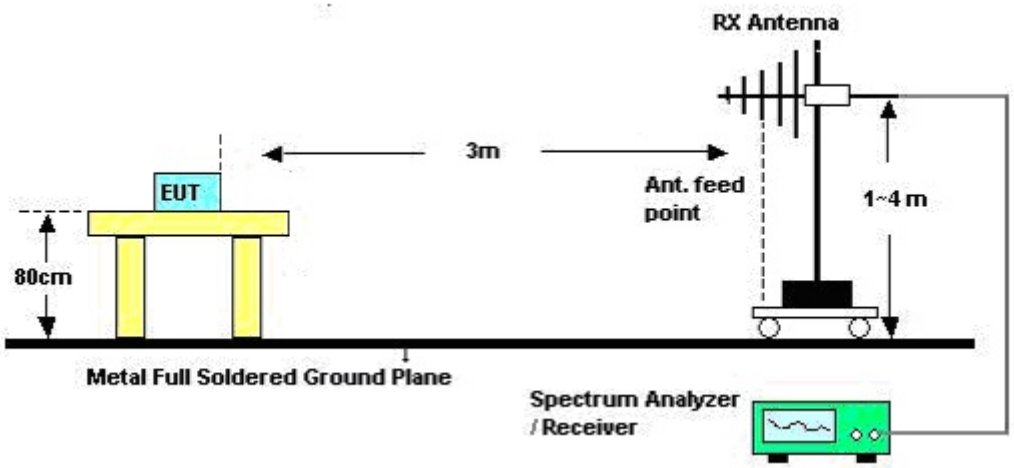
3.5.2 Measuring Instruments

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

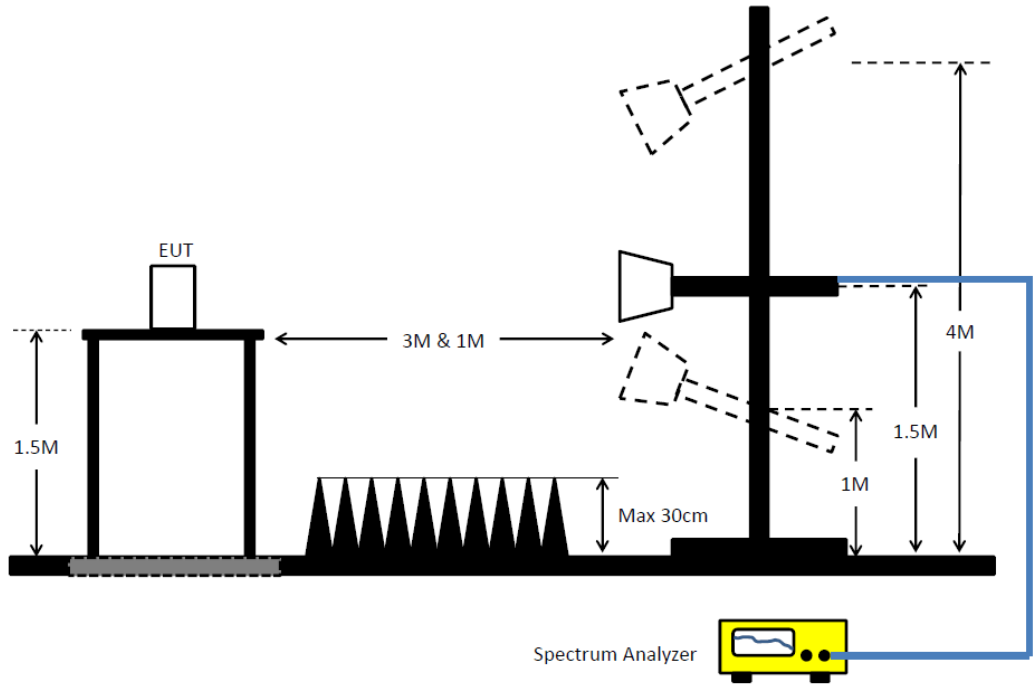
3.5.3 Test Procedures

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

3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Test Equipment and Calibration Data

Instrument for AC Conduction

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

NCR : Non-Calibration Require

Instrument for 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	23/Apr/2018	22/Apr/2019
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	14/Jun/2018	13/Jun/2019
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	10/May/2018	09/May/2019
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	27/Apr/2018	26/Apr/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	10/Apr/2018	09/Apr/2019
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	31/Jul/2018	30/Jul/2019
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	02/Oct/2018	03/Oct/2019
Double Ridged Guide Horn Antenna	SCHWARZBEC K	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	30/Apr/2018	29/Apr/2019
Broadband Horn Antenna	SCHWARZBEC K	BBHA 9170	BBHA9170614	18GHz~40GHz	09/Feb/2018	08/Feb/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	29/Mar/2018	28/Mar/2019
RF Cable-R03m	Jye Bao	RG142	CB031	9kHz ~ 1GHz	1/Feb/2018	31/Jan/2019
RF Cable-high	HUBER+SUHN ER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	14/Mar/2018	13/Mar/2019

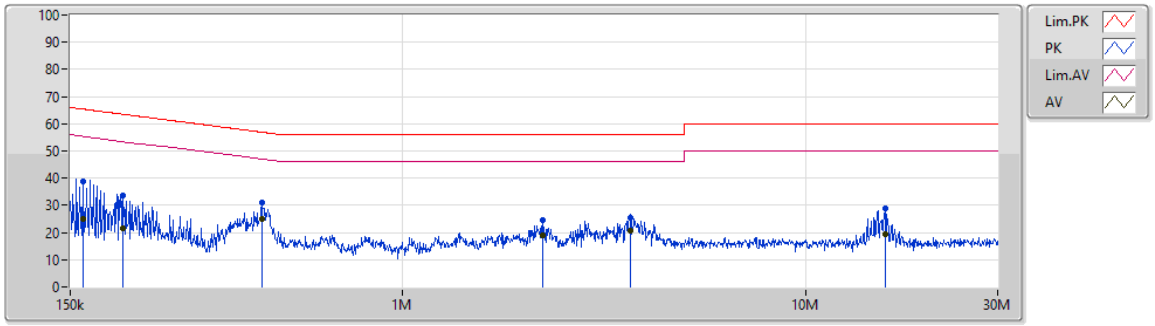
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	05/Feb/2018	04/Feb/2019
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Cable 0.2m	HUBER	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

13/02/2019

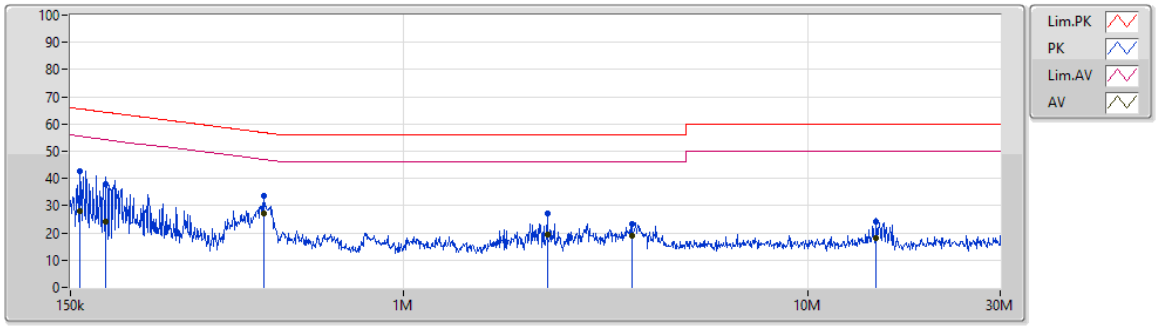


Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	161.175k	38.93	65.41	-26.48	19.48	Neutral	-	19.45	9.60	0.01	9.87
AV	161.175k	24.99	55.41	-30.42	19.48	Neutral	-	5.51	9.60	0.01	9.87
QP	202.358k	33.72	63.51	-29.79	19.47	Neutral	-	14.25	9.59	0.01	9.87
AV	202.358k	21.56	53.51	-31.95	19.47	Neutral	-	2.09	9.59	0.01	9.87
QP	447.846k	31.14	56.92	-25.78	19.48	Neutral	-	11.66	9.59	0.01	9.88
AV	447.846k	25.05	46.92	-21.87	19.48	Neutral	"Worst"	5.57	9.59	0.01	9.88
QP	2.229M	24.57	56.00	-31.43	19.53	Neutral	-	5.04	9.61	0.03	9.89
AV	2.229M	18.91	46.00	-27.09	19.53	Neutral	-	-0.62	9.61	0.03	9.89
QP	3.686M	25.47	56.00	-30.53	19.54	Neutral	-	5.93	9.61	0.04	9.89
AV	3.686M	20.80	46.00	-25.20	19.54	Neutral	-	1.26	9.61	0.04	9.89
QP	15.762M	28.90	60.00	-31.10	19.67	Neutral	-	9.23	9.68	0.09	9.90
AV	15.762M	19.35	50.00	-30.65	19.67	Neutral	-	-0.32	9.68	0.09	9.90

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

AC Conduction

13/02/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	158.622k	42.85	65.54	-22.69	19.48	Line	-	23.37	9.60	0.01	9.87
AV	158.622k	28.08	55.54	-27.46	19.48	Line	-	8.60	9.60	0.01	9.87
QP	183.87k	38.10	64.30	-26.20	19.48	Line	-	18.62	9.60	0.01	9.87
AV	183.87k	23.95	54.30	-30.35	19.48	Line	-	4.47	9.60	0.01	9.87
QP	451.436k	33.70	56.84	-23.14	19.48	Line	-	14.22	9.59	0.01	9.88
AV	451.436k	27.36	46.84	-19.48	19.48	Line	"Worst"	7.88	9.59	0.01	9.88
QP	2.274M	27.24	56.00	-28.76	19.55	Line	-	7.69	9.62	0.04	9.89
AV	2.274M	19.42	46.00	-26.58	19.55	Line	-	-0.13	9.62	0.04	9.89
QP	3.671M	23.26	56.00	-32.74	19.56	Line	-	3.70	9.63	0.04	9.89
AV	3.671M	18.88	46.00	-27.12	19.56	Line	-	-0.68	9.63	0.04	9.89
QP	14.786M	24.35	60.00	-35.65	19.64	Line	-	4.71	9.65	0.09	9.90
AV	14.786M	18.18	50.00	-31.82	19.64	Line	-	-1.46	9.65	0.09	9.90

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	21.825M	16.692M	16M7D1D	21.6M	16.592M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	22M	17.816M	17M8D1D	21.925M	17.791M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	40.35M	36.282M	36M3D1D	40.3M	36.232M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	82.5M	75.862M	75M9D1D	82.5M	75.862M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	16.35M	16.742M	16M7D1D	16.325M	16.692M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	17.6M	17.816M	17M8D1D	17.575M	17.816M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	36.35M	36.332M	36M3D1D	36.3M	36.232M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	75.7M	75.862M	75M9D1D	75.7M	75.862M

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

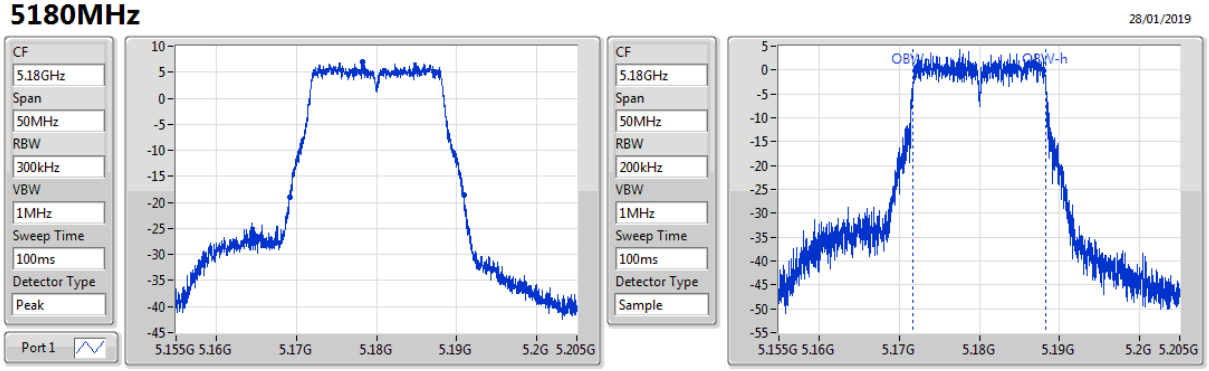
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-
5180MHz	Pass	Inf	21.775M	16.692M
5200MHz	Pass	Inf	21.825M	16.592M
5240MHz	Pass	Inf	21.6M	16.642M
5745MHz	Pass	500k	16.35M	16.692M
5785MHz	Pass	500k	16.325M	16.742M
5825MHz	Pass	500k	16.35M	16.717M
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-
5180MHz	Pass	Inf	21.95M	17.816M
5200MHz	Pass	Inf	22M	17.791M
5240MHz	Pass	Inf	21.925M	17.816M
5745MHz	Pass	500k	17.575M	17.816M
5785MHz	Pass	500k	17.6M	17.816M
5825MHz	Pass	500k	17.6M	17.816M
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-
5190MHz	Pass	Inf	40.3M	36.232M
5230MHz	Pass	Inf	40.35M	36.282M
5755MHz	Pass	500k	36.35M	36.332M
5795MHz	Pass	500k	36.3M	36.232M
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-	-	-	-
5210MHz	Pass	Inf	82.5M	75.862M
5775MHz	Pass	500k	75.7M	75.862M

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

802.11a_Nss1,(6Mbps)_1TX(Port1) EBW

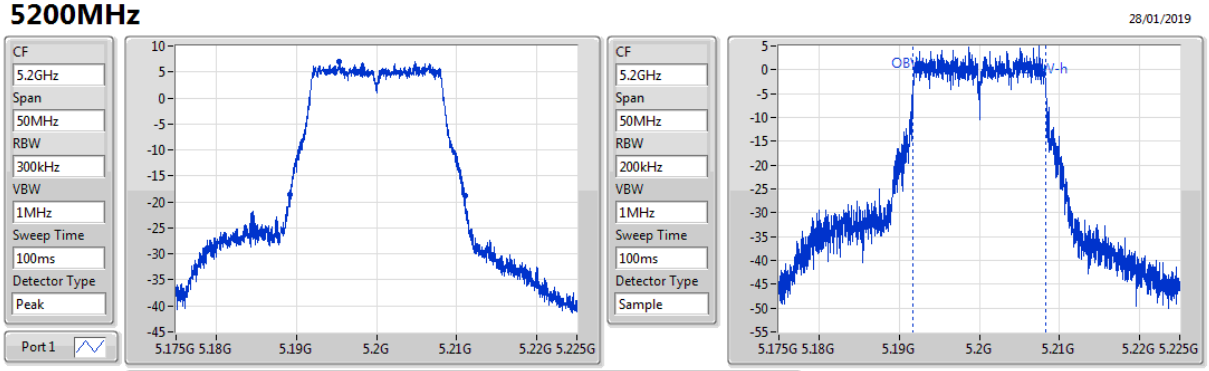
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.775M	5.1692G	5.190975G	16.692M	5.171654G	5.188346G	Inf	1

802.11a_Nss1,(6Mbps)_1TX(Port1) EBW

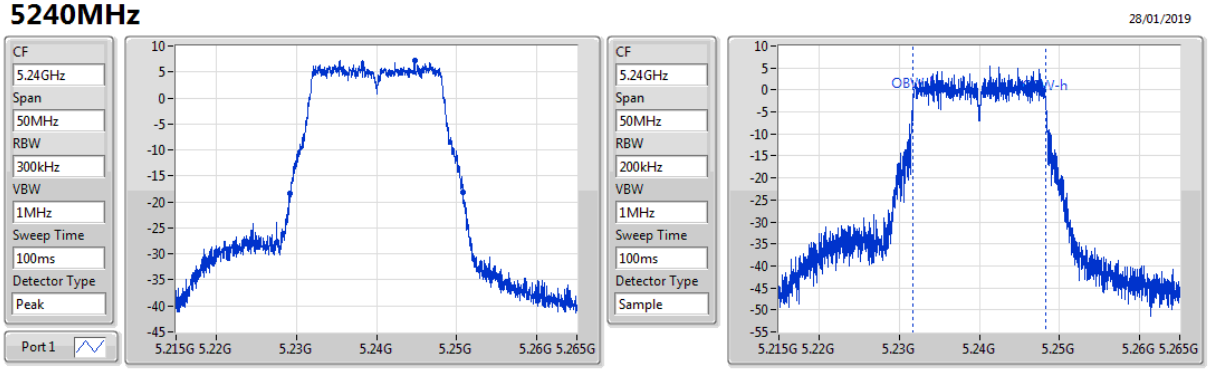
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.825M	5.1892G	5.211025G	16.592M	5.191704G	5.208296G	Inf	1

802.11a_Nss1,(6Mbps)_1TX(Port1) EBW

5240MHz

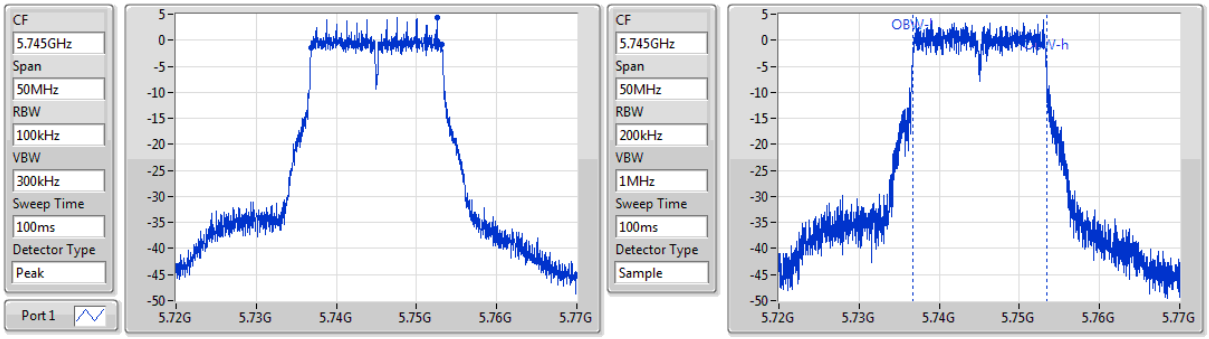


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.2292G	5.2508G	16.642M	5.231679G	5.248321G	Inf	1

802.11a_Nss1,(6Mbps)_1TX(Port1) EBW

5745MHz

28/01/2019

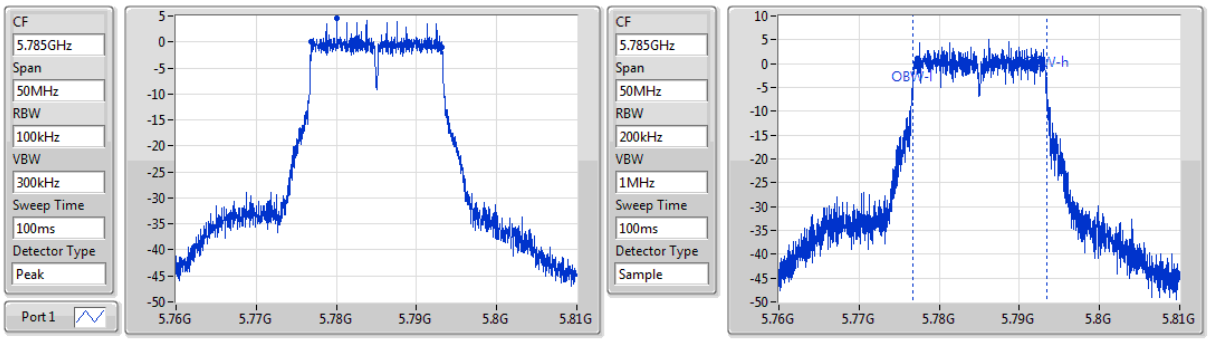


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.73685G	5.7532G	16.692M	5.736679G	5.753371G	500k	1

802.11a_Nss1,(6Mbps)_1TX(Port1) EBW

5785MHz

28/01/2019

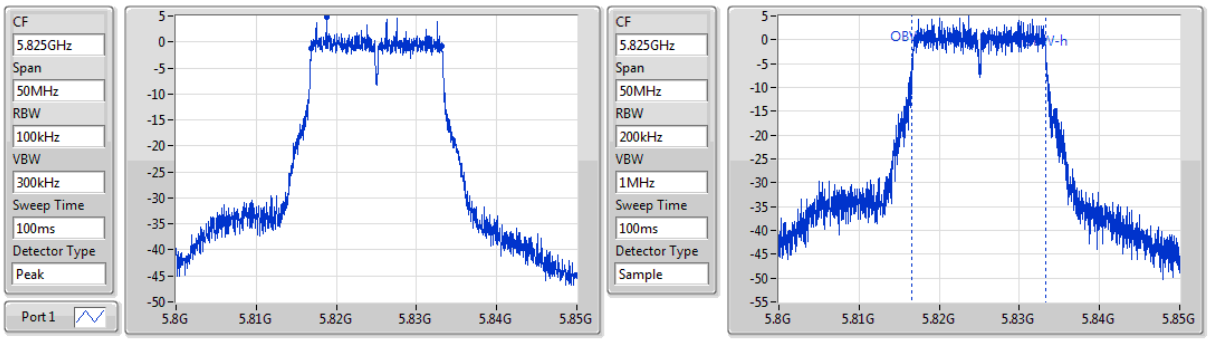


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.776875G	5.7932G	16.742M	5.776654G	5.793396G	500k	1

802.11a_Nss1,(6Mbps)_1TX(Port1) EBW

5825MHz

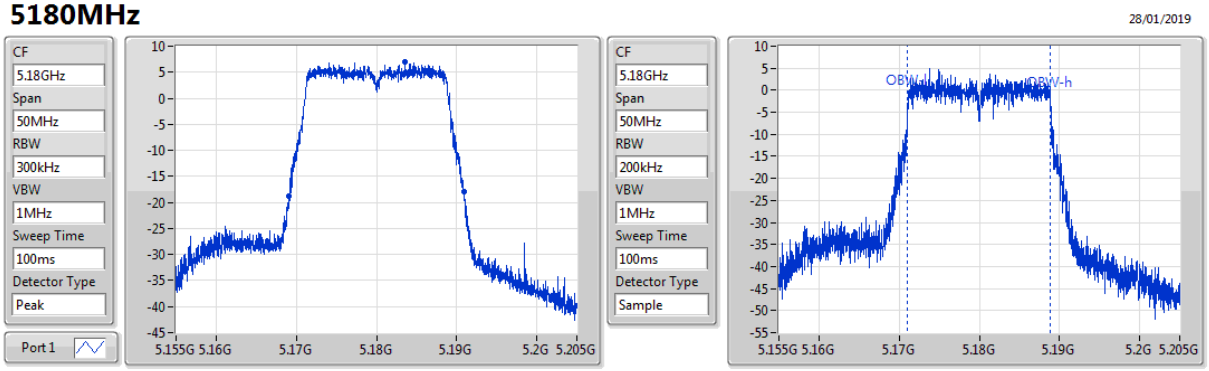
28/01/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.81685G	5.8332G	16.717M	5.816629G	5.833346G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **EBW**

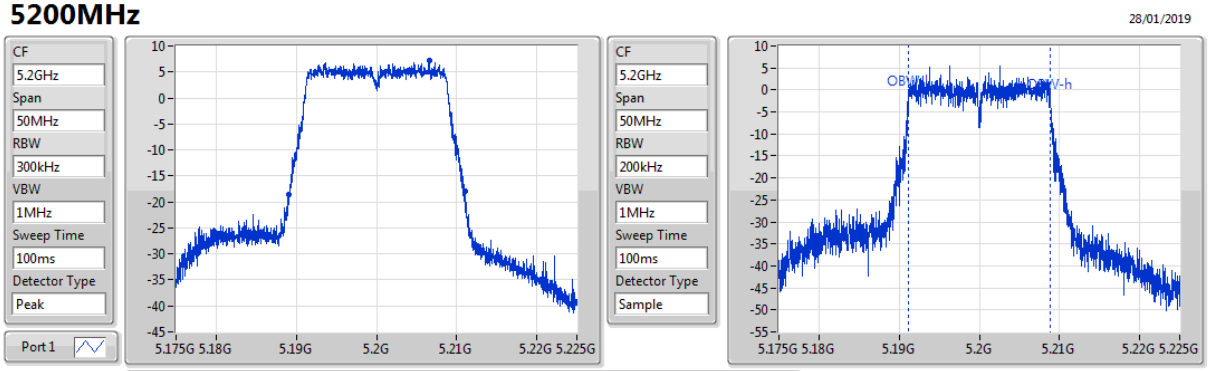
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.95M	5.16905G	5.191G	17.816M	5.171079G	5.188896G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **EBW**

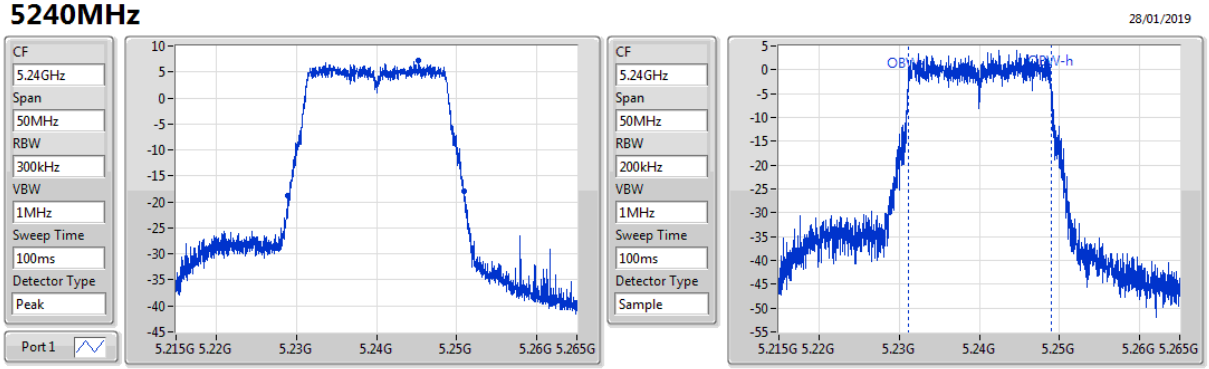
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22M	5.189075G	5.211075G	17.791M	5.191104G	5.208896G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **EBW**

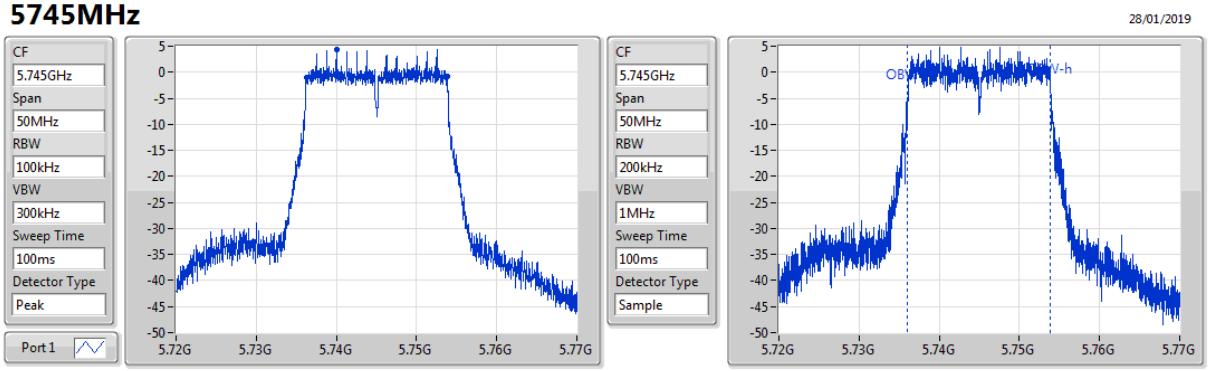
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.925M	5.228975G	5.2509G	17.816M	5.231129G	5.248946G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **EBW**

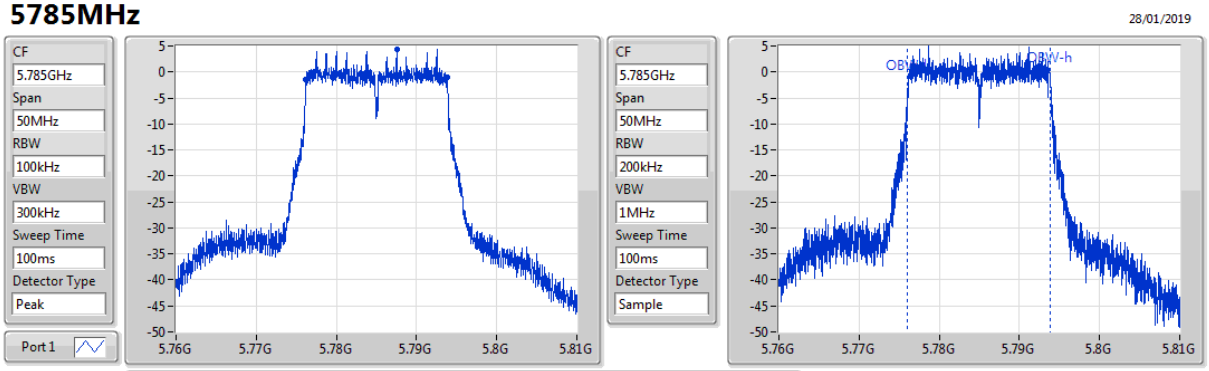
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.73625G	5.753825G	17.816M	5.736079G	5.753896G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **EBW**

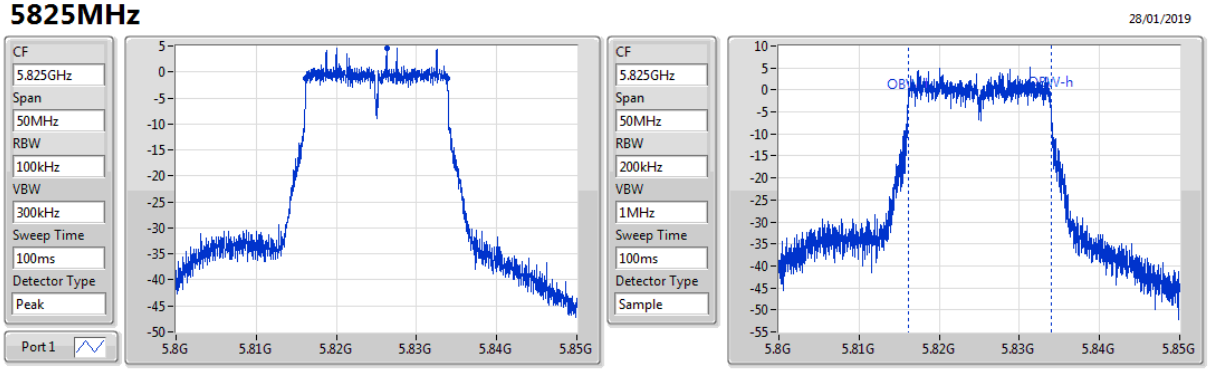
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	5.776225G	5.793825G	17.816M	5.776079G	5.793896G	500k	1

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **EBW**

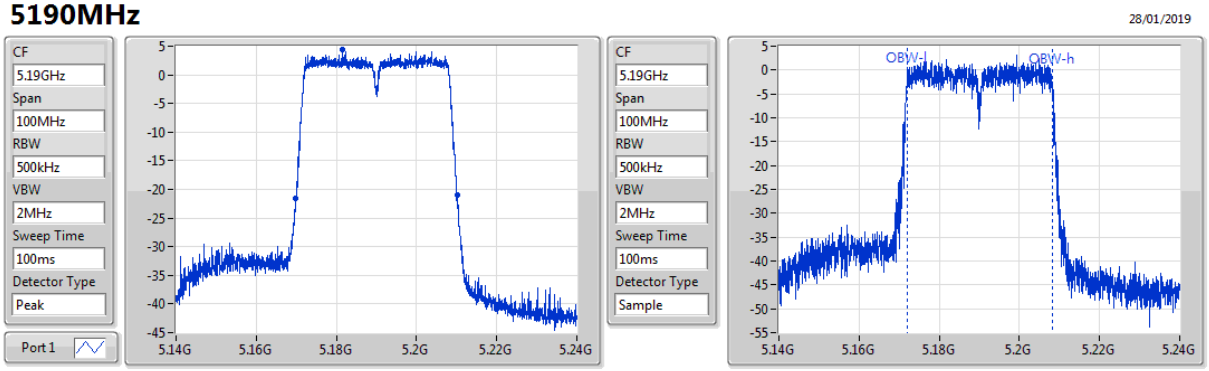
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	5.816225G	5.833825G	17.816M	5.816104G	5.833921G	500k	1

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) EBW

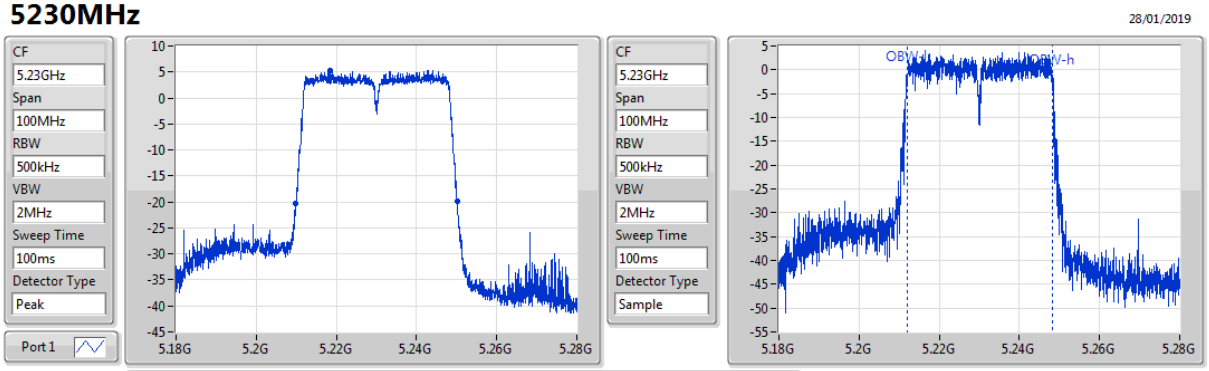
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.3M	5.1699G	5.2102G	36.232M	5.171909G	5.208141G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) EBW

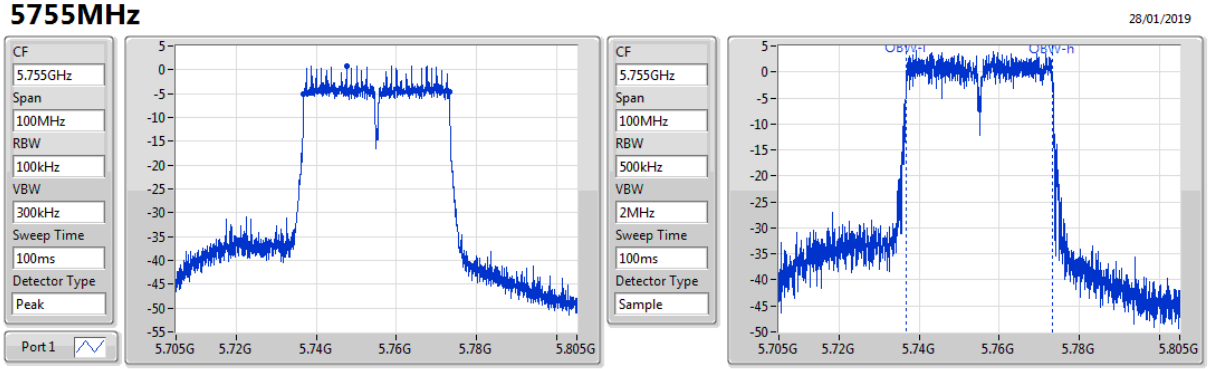
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.35M	5.2099G	5.25025G	36.282M	5.211909G	5.248191G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) EBW

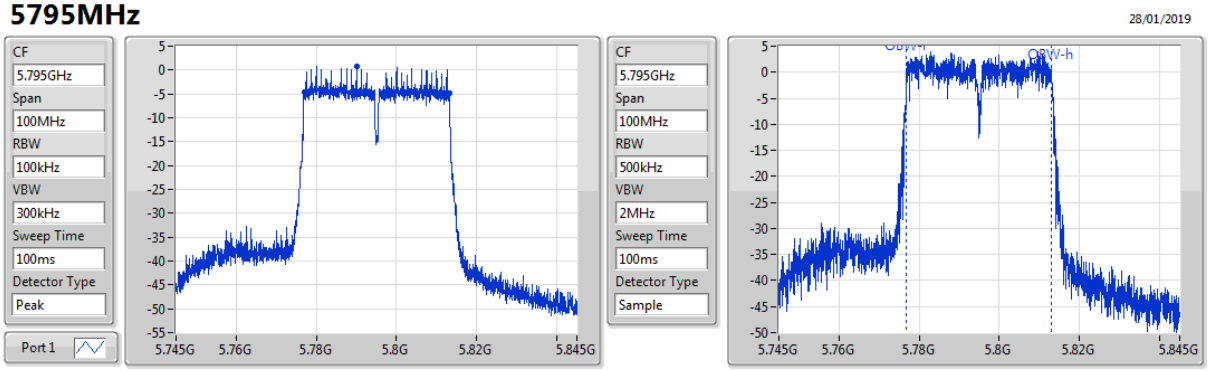
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	5.73685G	5.7732G	36.332M	5.736859G	5.773191G	500k	1

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) EBW

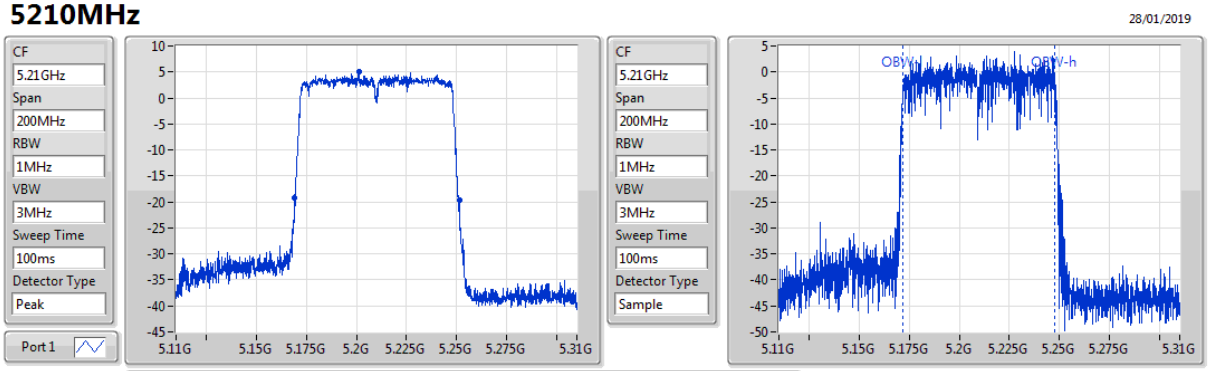
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.7769G	5.8132G	36.232M	5.776859G	5.813091G	500k	1

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1) EBW

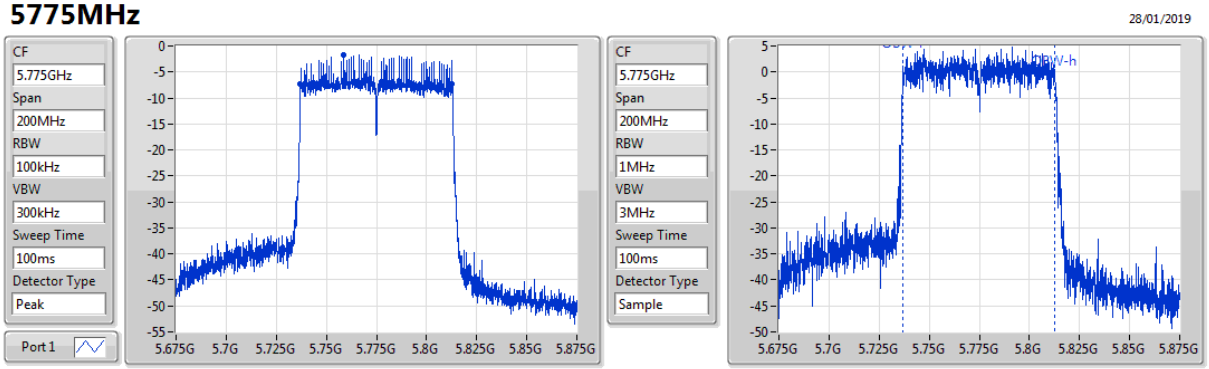
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.5M	5.169G	5.2515G	75.862M	5.172019G	5.247881G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1) EBW

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.7M	5.7371G	5.8128G	75.862M	5.737019G	5.812881G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	15.80	0.03802	17.22	0.05272
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	15.81	0.03811	17.23	0.05284
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	14.74	0.02979	16.16	0.04130
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	13.31	0.02143	14.73	0.02972
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	15.87	0.03864	18.08	0.06427
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	15.83	0.03828	18.04	0.06368
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	14.86	0.03062	17.07	0.05093
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	14.69	0.02944	16.90	0.04898

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-
5180MHz	Pass	1.42	15.80	15.80	30.00	17.22	36.00
5200MHz	Pass	1.42	15.80	15.80	30.00	17.22	36.00
5240MHz	Pass	1.42	15.76	15.76	30.00	17.18	36.00
5745MHz	Pass	2.21	15.72	15.72	30.00	17.93	36.00
5785MHz	Pass	2.21	15.69	15.69	30.00	17.90	36.00
5825MHz	Pass	2.21	15.87	15.87	30.00	18.08	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-
5180MHz	Pass	1.42	15.67	15.67	30.00	17.09	36.00
5200MHz	Pass	1.42	15.81	15.81	30.00	17.23	36.00
5240MHz	Pass	1.42	15.66	15.66	30.00	17.08	36.00
5745MHz	Pass	2.21	15.80	15.80	30.00	18.01	36.00
5785MHz	Pass	2.21	15.67	15.67	30.00	17.88	36.00
5825MHz	Pass	2.21	15.83	15.83	30.00	18.04	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-
5190MHz	Pass	1.42	13.41	13.41	30.00	14.83	36.00
5230MHz	Pass	1.42	14.74	14.74	30.00	16.16	36.00
5755MHz	Pass	2.21	14.86	14.86	30.00	17.07	36.00
5795MHz	Pass	2.21	14.66	14.66	30.00	16.87	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-
5210MHz	Pass	1.42	13.31	13.31	30.00	14.73	36.00
5775MHz	Pass	2.21	14.69	14.69	30.00	16.90	36.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	15.80	0.03802	17.22	0.05272
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	15.81	0.03811	17.23	0.05284
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	14.74	0.02979	16.16	0.04130
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	13.31	0.02143	14.73	0.02972
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	15.87	0.03864	18.08	0.06427
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	15.83	0.03828	18.04	0.06368
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	14.86	0.03062	17.07	0.05093
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	14.69	0.02944	16.90	0.04898

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-
5180MHz	Pass	1.42	15.80	15.80	24.00	17.22	30.00
5200MHz	Pass	1.42	15.80	15.80	24.00	17.22	30.00
5240MHz	Pass	1.42	15.76	15.76	24.00	17.18	30.00
5745MHz	Pass	2.21	15.72	15.72	30.00	17.93	36.00
5785MHz	Pass	2.21	15.69	15.69	30.00	17.90	36.00
5825MHz	Pass	2.21	15.87	15.87	30.00	18.08	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-
5180MHz	Pass	1.42	15.67	15.67	24.00	17.09	30.00
5200MHz	Pass	1.42	15.81	15.81	24.00	17.23	30.00
5240MHz	Pass	1.42	15.66	15.66	24.00	17.08	30.00
5745MHz	Pass	2.21	15.80	15.80	30.00	18.01	36.00
5785MHz	Pass	2.21	15.67	15.67	30.00	17.88	36.00
5825MHz	Pass	2.21	15.83	15.83	30.00	18.04	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-
5190MHz	Pass	1.42	13.41	13.41	24.00	14.83	30.00
5230MHz	Pass	1.42	14.74	14.74	24.00	16.16	30.00
5755MHz	Pass	2.21	14.86	14.86	30.00	17.07	36.00
5795MHz	Pass	2.21	14.66	14.66	30.00	16.87	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-
5210MHz	Pass	1.42	13.31	13.31	24.00	14.73	30.00
5775MHz	Pass	2.21	14.69	14.69	30.00	16.90	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	2.86	4.28
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	2.52	3.94
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-1.09	0.33
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-5.32	-3.90
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	1.48	3.69
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	1.35	3.56
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-2.36	-0.15
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-5.12	-2.91

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

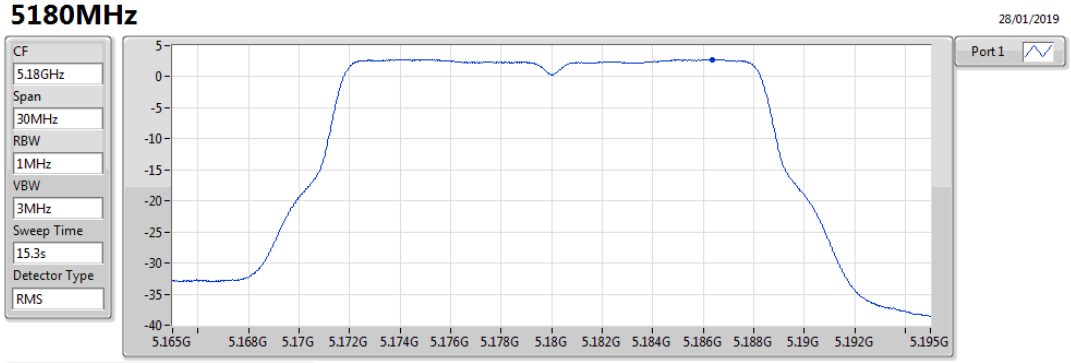
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-
5180MHz	Pass	1.42	2.79	2.79	17.00	4.21	23.00
5200MHz	Pass	1.42	2.74	2.74	17.00	4.16	23.00
5240MHz	Pass	1.42	2.86	2.86	17.00	4.28	23.00
5745MHz	Pass	2.21	1.24	1.24	30.00	3.45	36.00
5785MHz	Pass	2.21	1.31	1.31	30.00	3.52	36.00
5825MHz	Pass	2.21	1.48	1.48	30.00	3.69	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-
5180MHz	Pass	1.42	2.47	2.47	17.00	3.89	23.00
5200MHz	Pass	1.42	2.52	2.52	17.00	3.94	23.00
5240MHz	Pass	1.42	2.52	2.52	17.00	3.94	23.00
5745MHz	Pass	2.21	1.12	1.12	30.00	3.33	36.00
5785MHz	Pass	2.21	1.16	1.16	30.00	3.37	36.00
5825MHz	Pass	2.21	1.35	1.35	30.00	3.56	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-
5190MHz	Pass	1.42	-2.60	-2.60	17.00	-1.18	23.00
5230MHz	Pass	1.42	-1.09	-1.09	17.00	0.33	23.00
5755MHz	Pass	2.21	-2.41	-2.41	30.00	-0.20	36.00
5795MHz	Pass	2.21	-2.36	-2.36	30.00	-0.15	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-
5210MHz	Pass	1.42	-5.32	-5.32	17.00	-3.90	23.00
5775MHz	Pass	2.21	-5.12	-5.12	30.00	-2.91	36.00

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

802.11a_Nss1,(6Mbps)_1TX(Port1) **PSD**

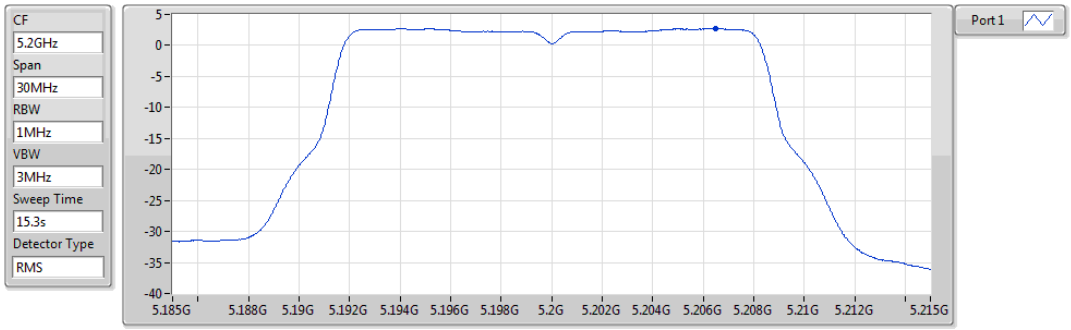
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.79	2.79	2.79

802.11a_Nss1,(6Mbps)_1TX(Port1) **PSD**

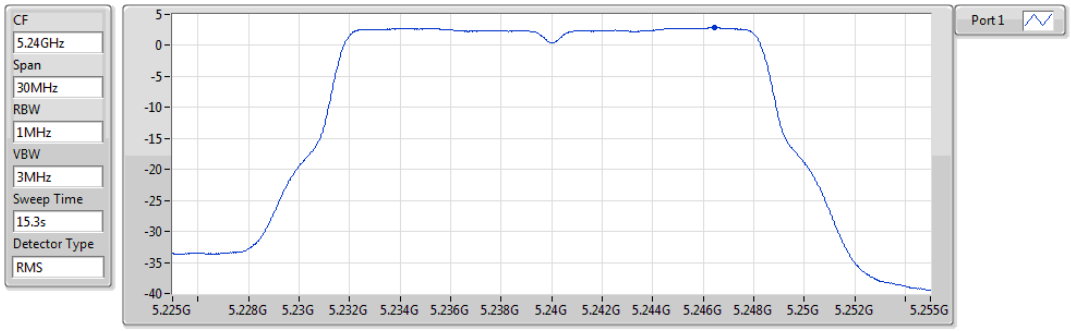
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.74	2.74	2.74

802.11a_Nss1,(6Mbps)_1TX(Port1) **PSD**

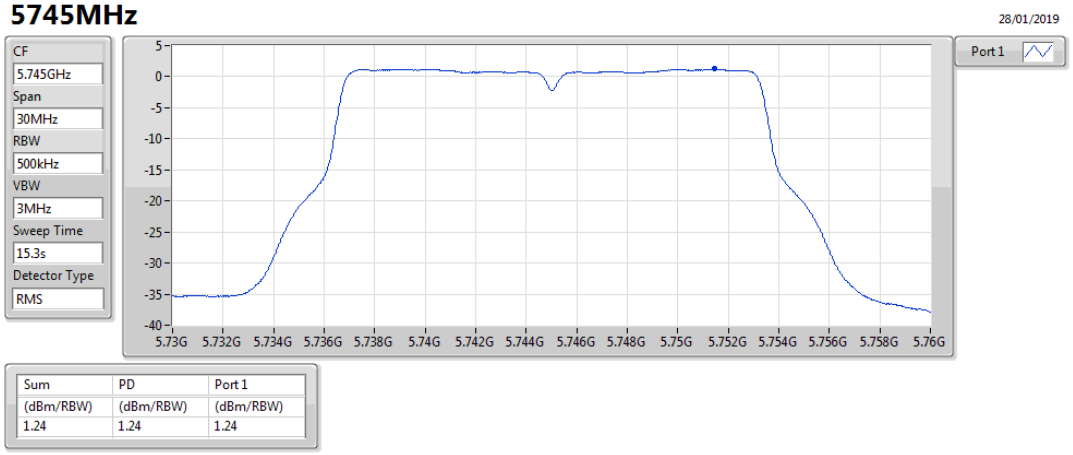
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.86	2.86	2.86

802.11a_Nss1,(6Mbps)_1TX(Port1) **PSD**

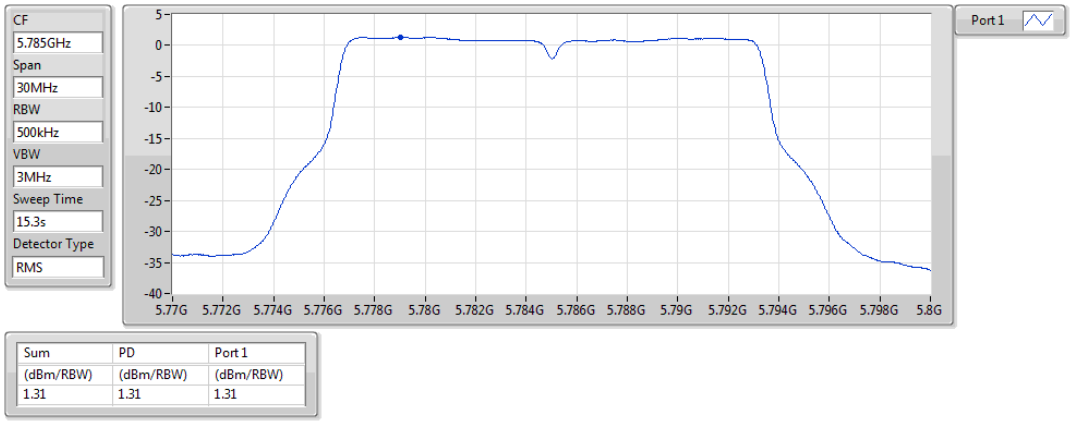
5745MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.24	1.24	1.24

802.11a_Nss1,(6Mbps)_1TX(Port1) **PSD**

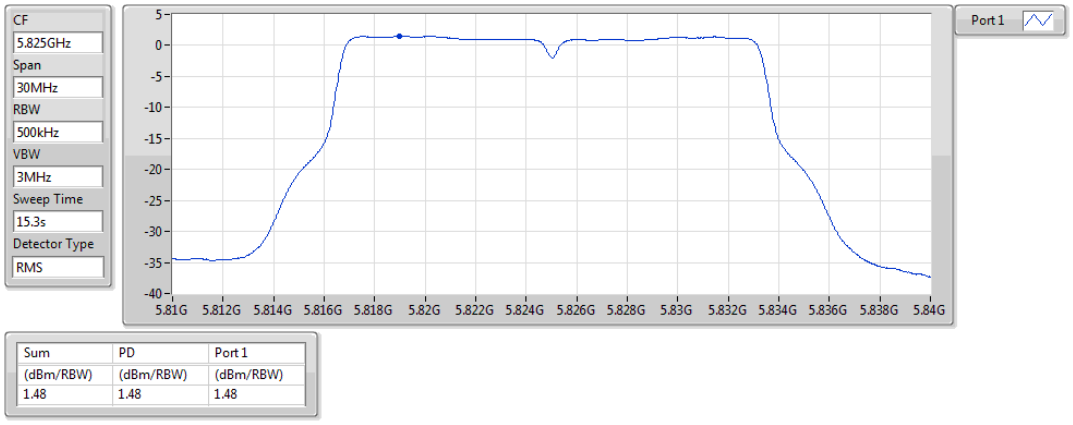
5785MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.31	1.31	1.31

802.11a_Nss1,(6Mbps)_1TX(Port1) **PSD**

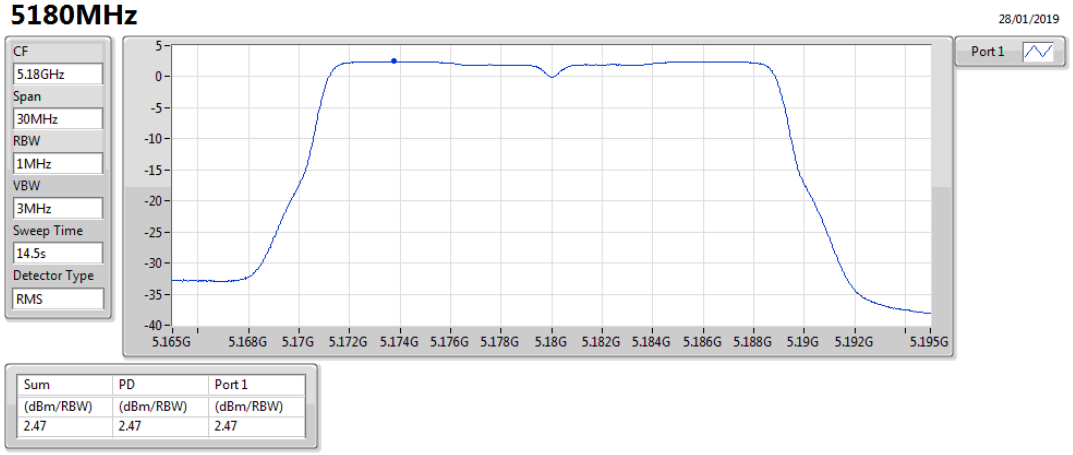
5825MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.48	1.48	1.48

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **PSD**

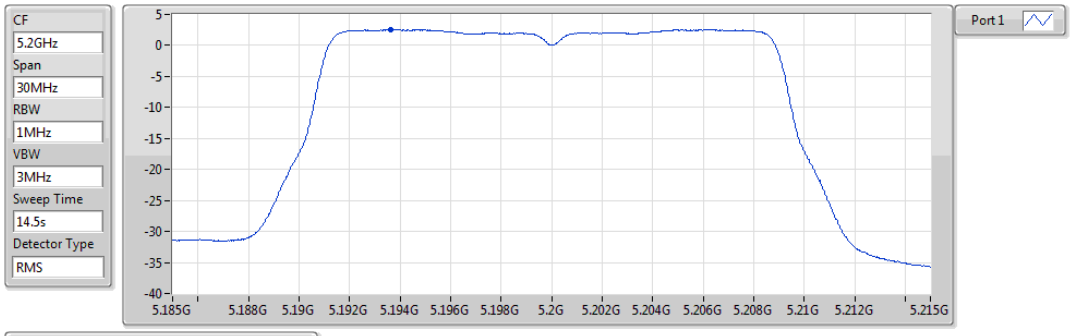
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.47	2.47	2.47

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **PSD**

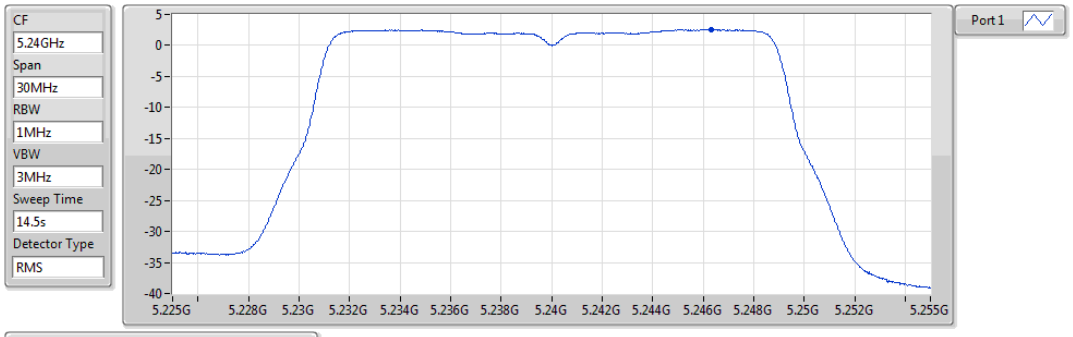
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.52	2.52	2.52

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **PSD**

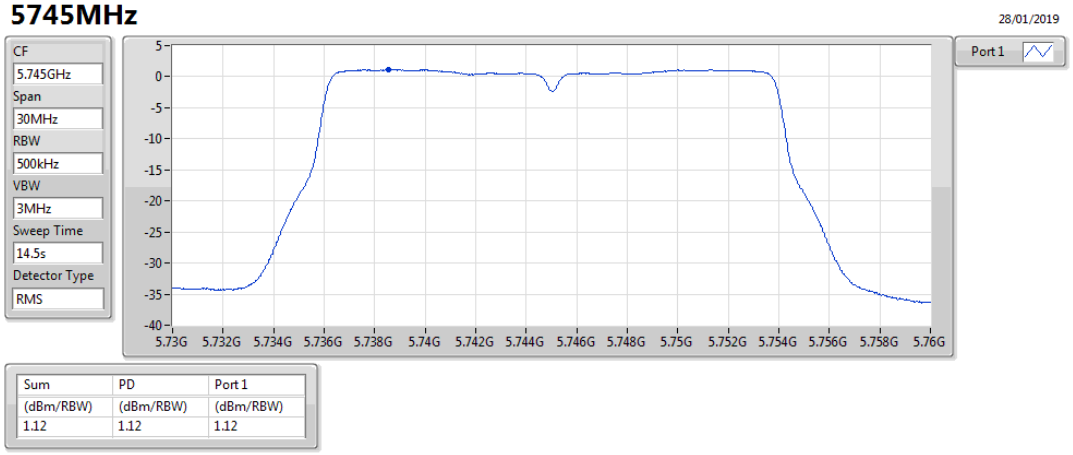
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.52	2.52	2.52

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **PSD**

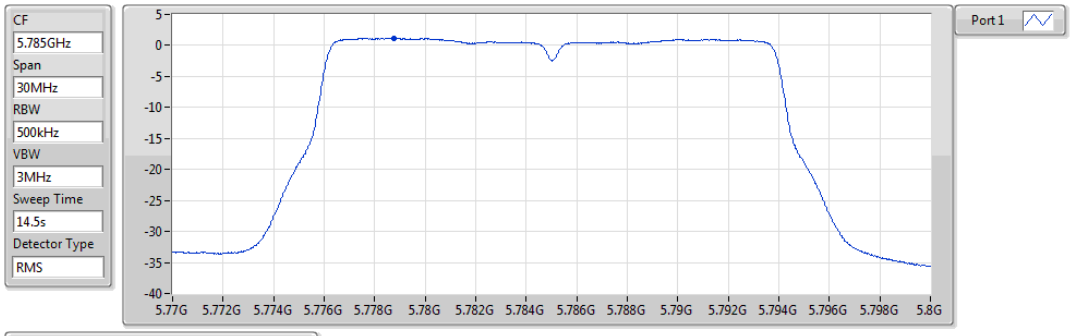
5745MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.12	1.12	1.12

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **PSD**

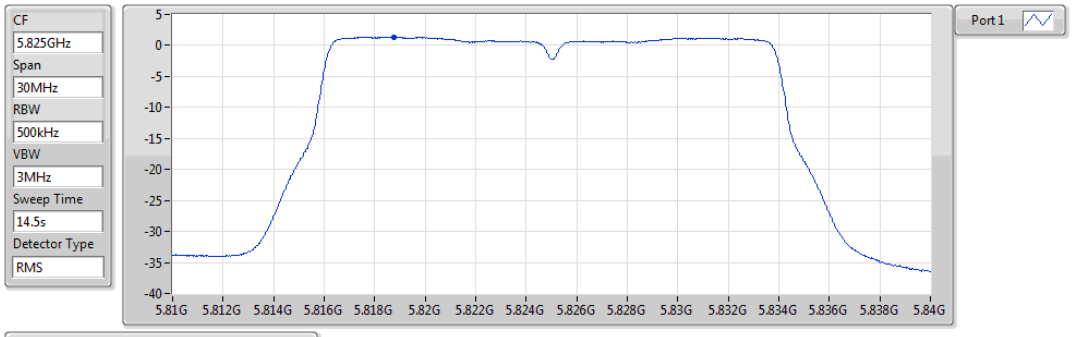
5785MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.16	1.16	1.16

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **PSD**

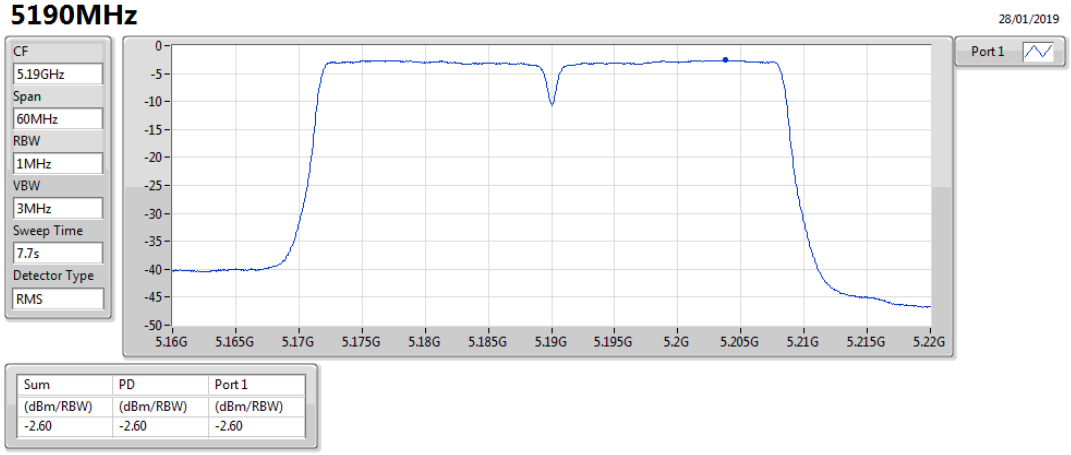
5825MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.35	1.35	1.35

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) **PSD**

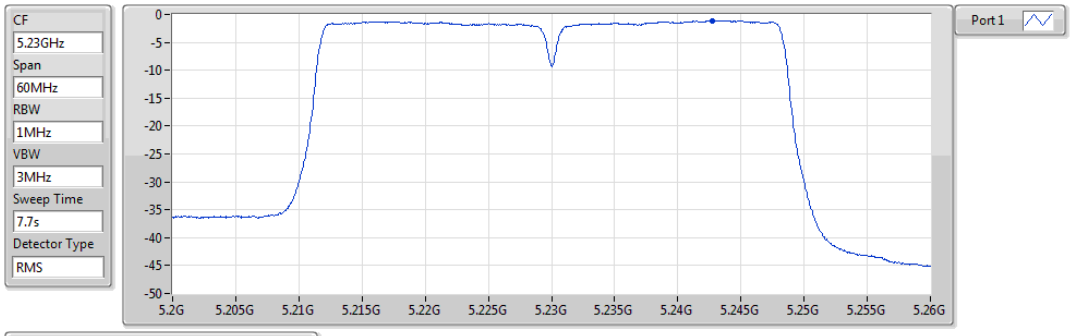
5190MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.60	-2.60	-2.60

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) **PSD**

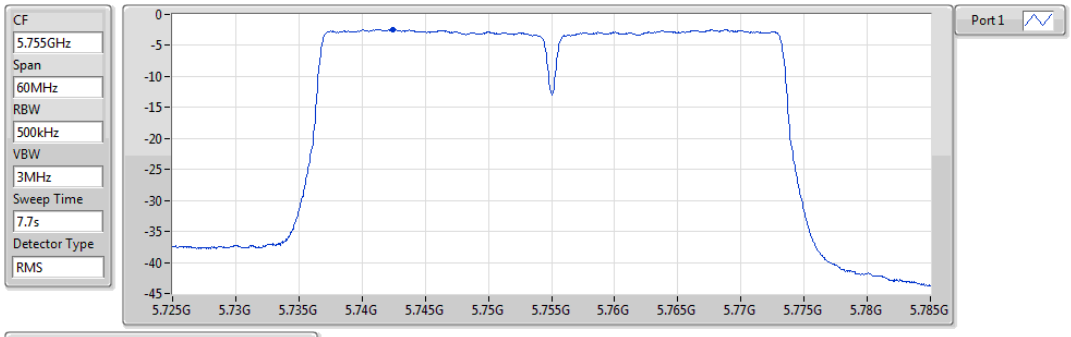
5230MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.09	-1.09	-1.09

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) **PSD**

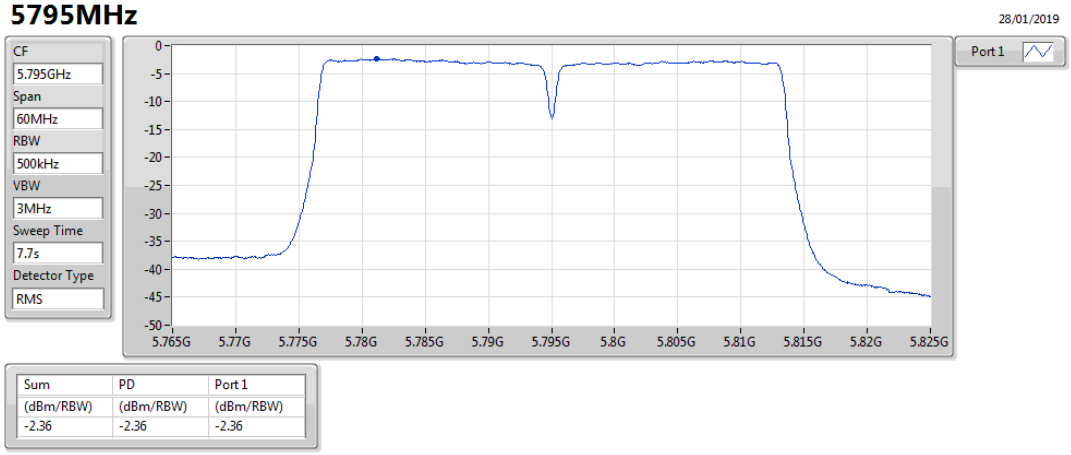
5755MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.41	-2.41	-2.41

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) **PSD**

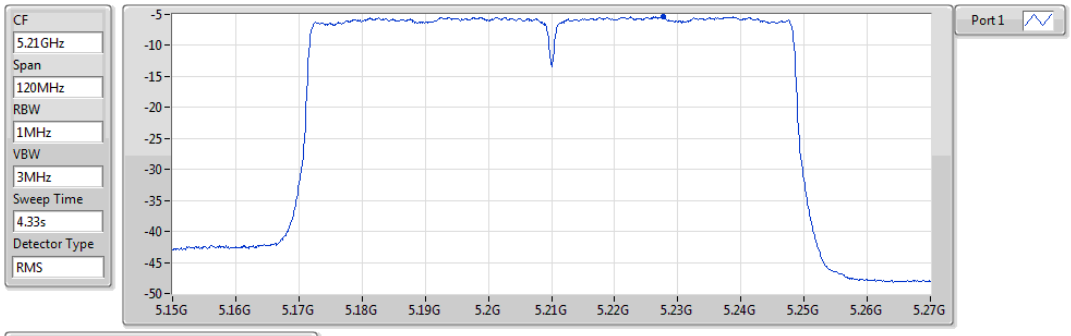
5795MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.36	-2.36	-2.36

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1) **PSD**

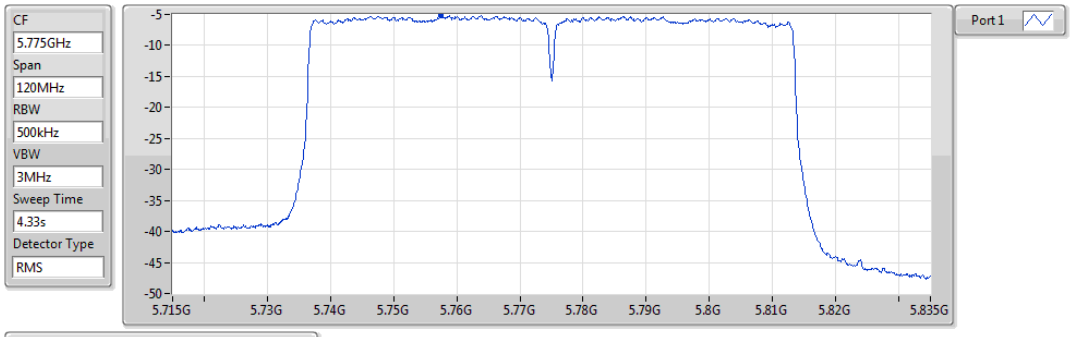
5210MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.32	-5.32	-5.32

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1) **PSD**

5775MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.12	-5.12	-5.12

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	2.86	4.28
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	2.52	3.94
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-1.09	0.33
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-5.32	-3.90
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	1.48	3.69
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	1.35	3.56
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-2.36	-0.15
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-5.12	-2.91

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

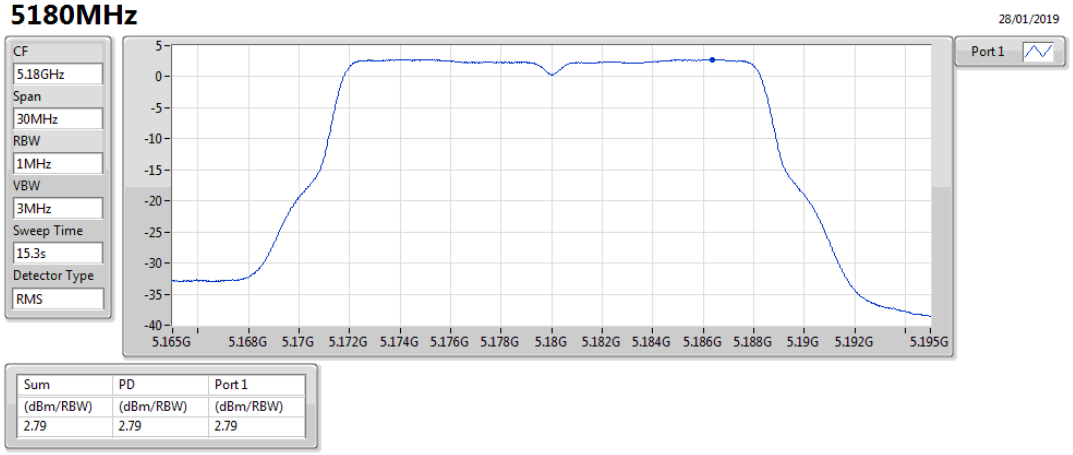
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-
5180MHz	Pass	1.42	2.79	2.79	11.00	4.21	17.00
5200MHz	Pass	1.42	2.74	2.74	11.00	4.16	17.00
5240MHz	Pass	1.42	2.86	2.86	11.00	4.28	17.00
5745MHz	Pass	2.21	1.24	1.24	30.00	3.45	36.00
5785MHz	Pass	2.21	1.31	1.31	30.00	3.52	36.00
5825MHz	Pass	2.21	1.48	1.48	30.00	3.69	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-
5180MHz	Pass	1.42	2.47	2.47	11.00	3.89	17.00
5200MHz	Pass	1.42	2.52	2.52	11.00	3.94	17.00
5240MHz	Pass	1.42	2.52	2.52	11.00	3.94	17.00
5745MHz	Pass	2.21	1.12	1.12	30.00	3.33	36.00
5785MHz	Pass	2.21	1.16	1.16	30.00	3.37	36.00
5825MHz	Pass	2.21	1.35	1.35	30.00	3.56	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-
5190MHz	Pass	1.42	-2.60	-2.60	11.00	-1.18	17.00
5230MHz	Pass	1.42	-1.09	-1.09	11.00	0.33	17.00
5755MHz	Pass	2.21	-2.41	-2.41	30.00	-0.20	36.00
5795MHz	Pass	2.21	-2.36	-2.36	30.00	-0.15	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-
5210MHz	Pass	1.42	-5.32	-5.32	11.00	-3.90	17.00
5775MHz	Pass	2.21	-5.12	-5.12	30.00	-2.91	36.00

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

802.11a_Nss1,(6Mbps)_1TX(Port1) **PSD**

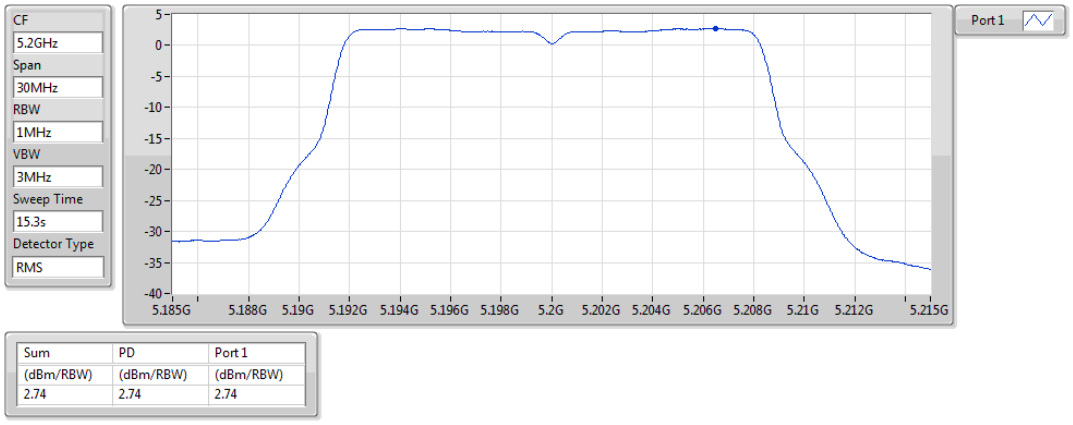
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.79	2.79	2.79

802.11a_Nss1,(6Mbps)_1TX(Port1) **PSD**

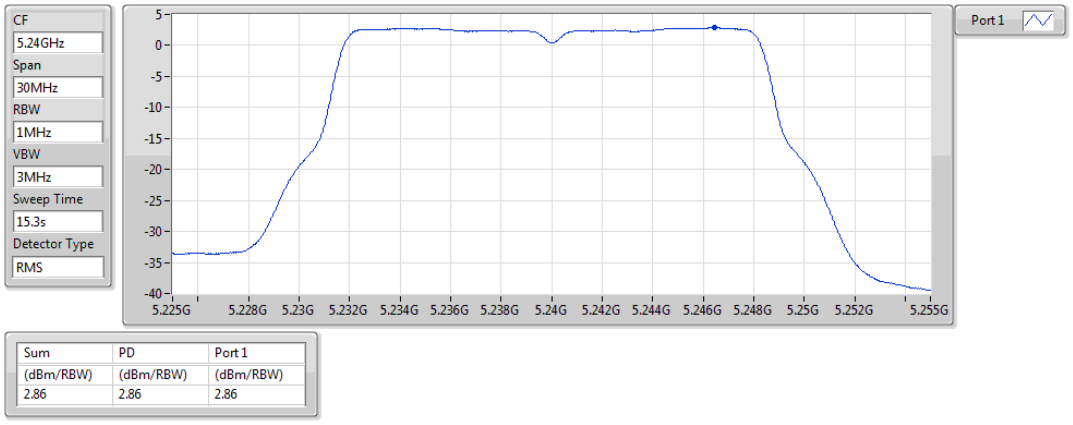
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.74	2.74	2.74

802.11a_Nss1,(6Mbps)_1TX(Port1) **PSD**

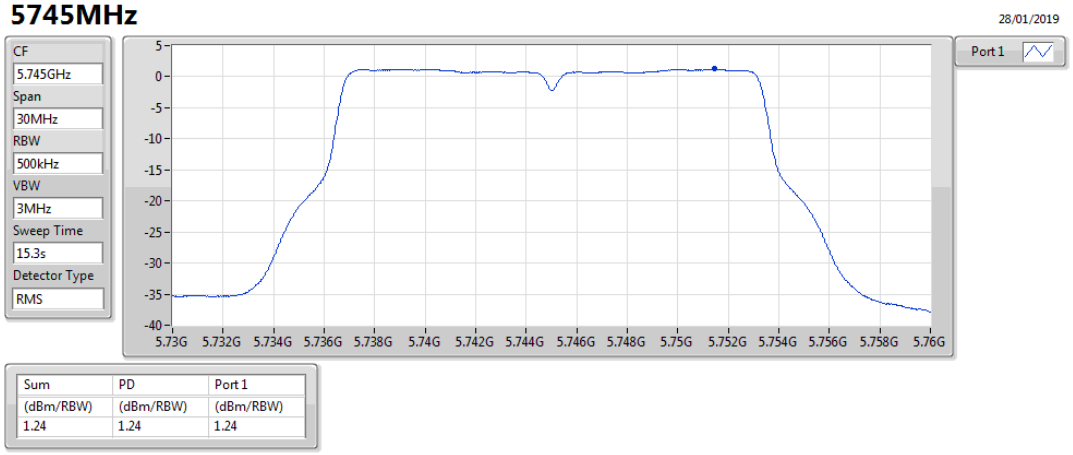
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.86	2.86	2.86

802.11a_Nss1,(6Mbps)_1TX(Port1) **PSD**

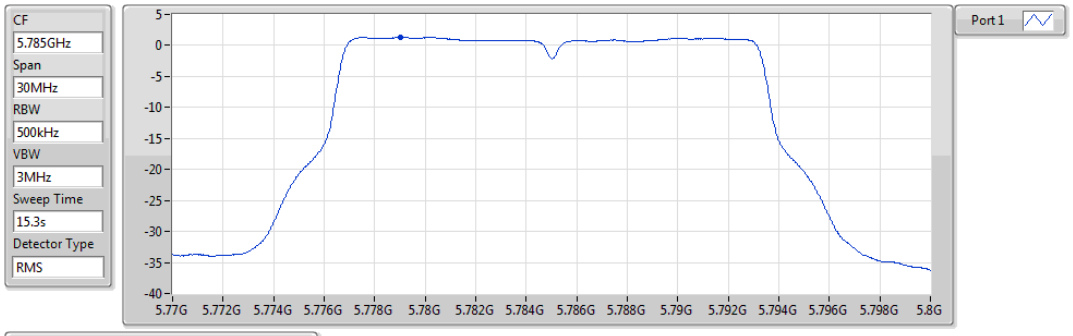
5745MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.24	1.24	1.24

802.11a_Nss1,(6Mbps)_1TX(Port1) **PSD**

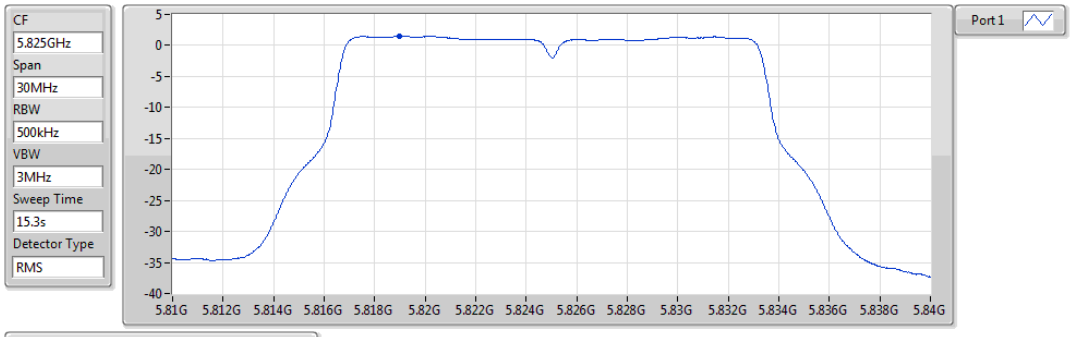
5785MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.31	1.31	1.31

802.11a_Nss1,(6Mbps)_1TX(Port1) **PSD**

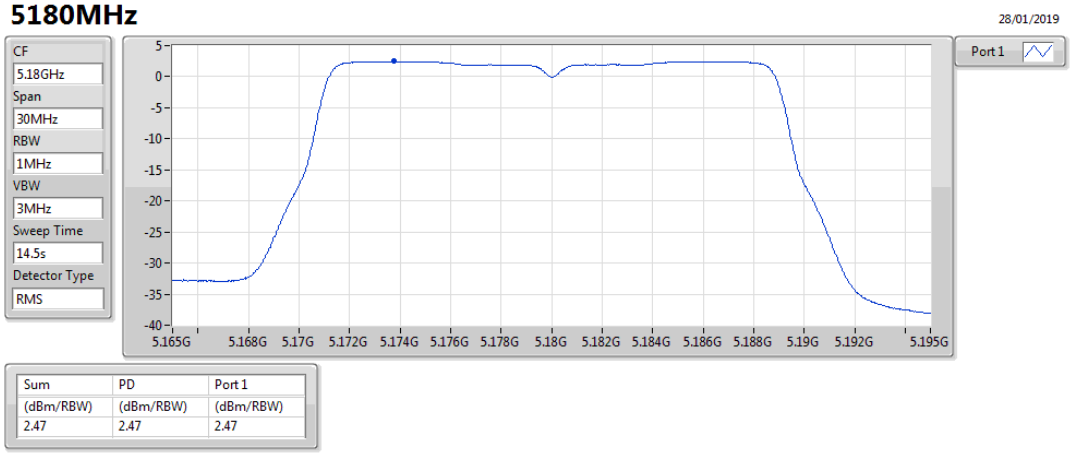
5825MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.48	1.48	1.48

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **PSD**

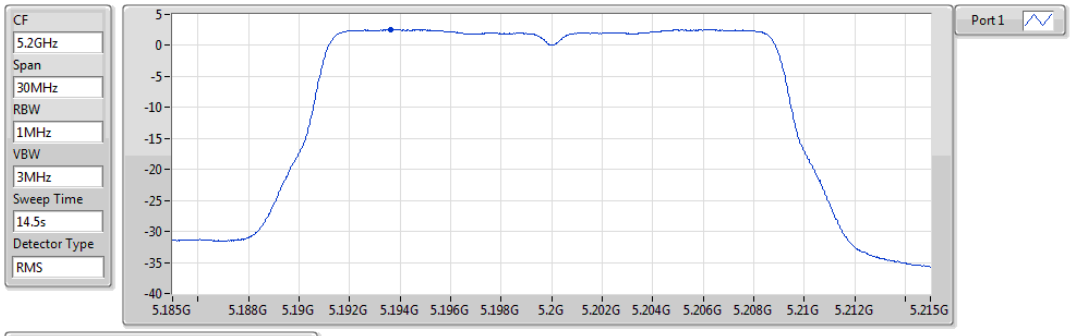
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.47	2.47	2.47

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **PSD**

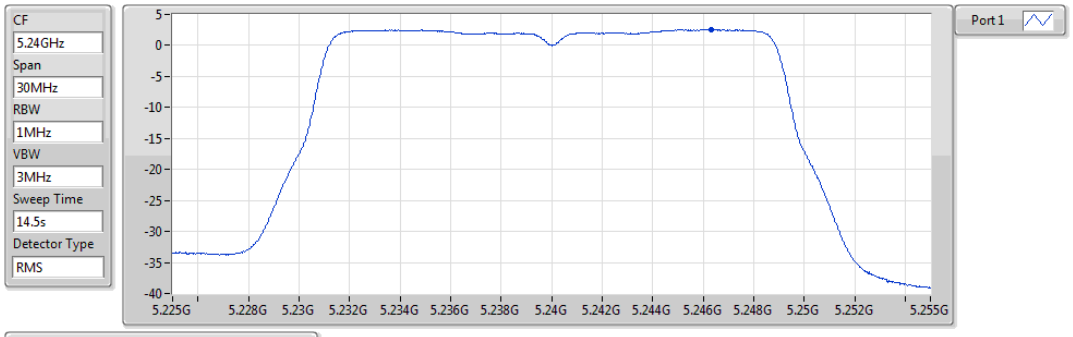
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.52	2.52	2.52

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **PSD**

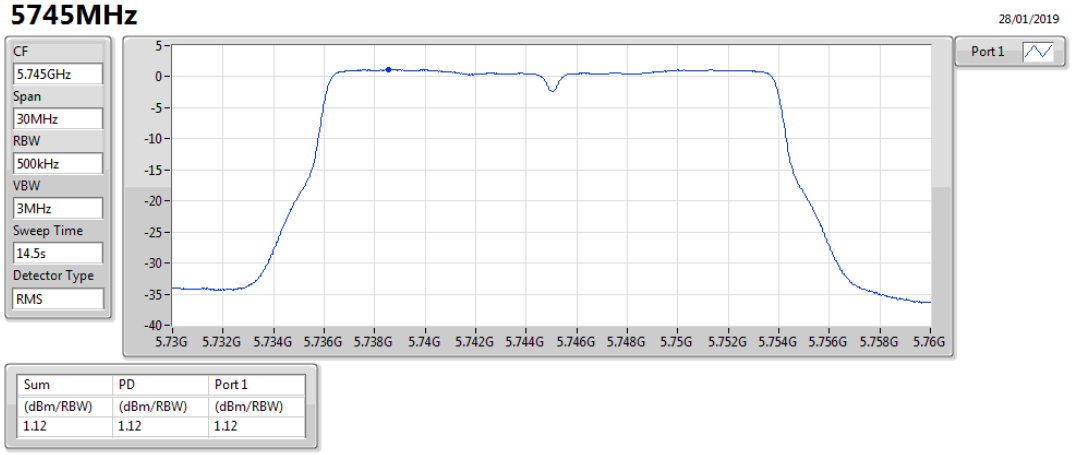
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.52	2.52	2.52

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **PSD**

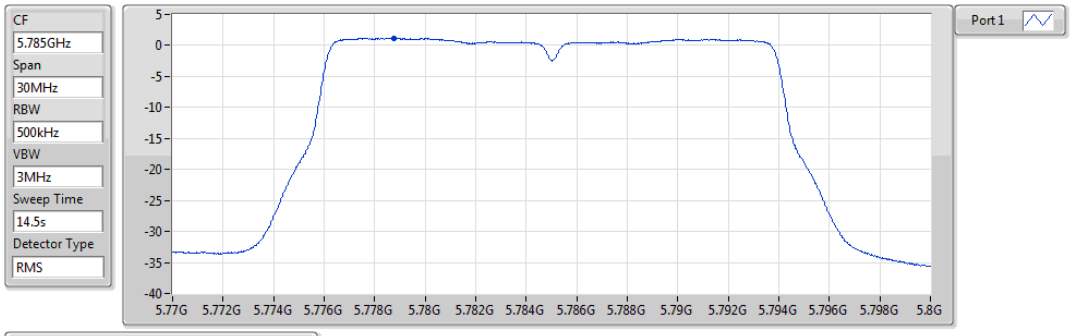
5745MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.12	1.12	1.12

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **PSD**

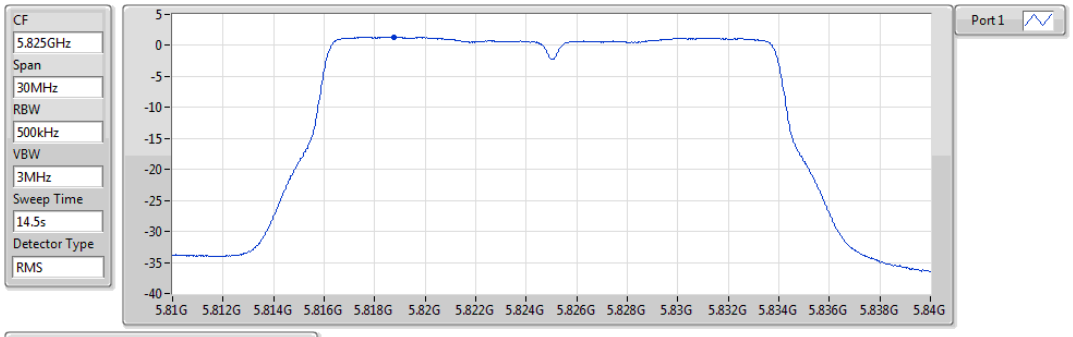
5785MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.16	1.16	1.16

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1) **PSD**

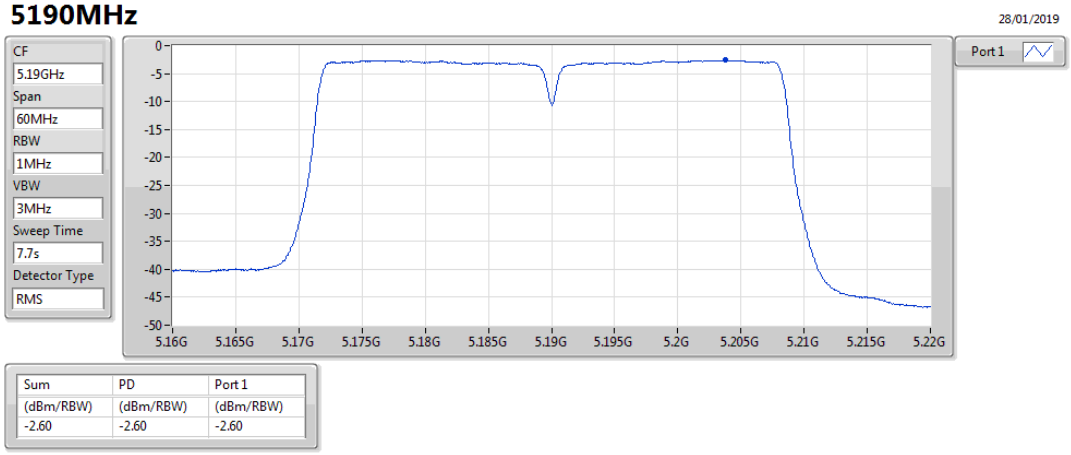
5825MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.35	1.35	1.35

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) **PSD**

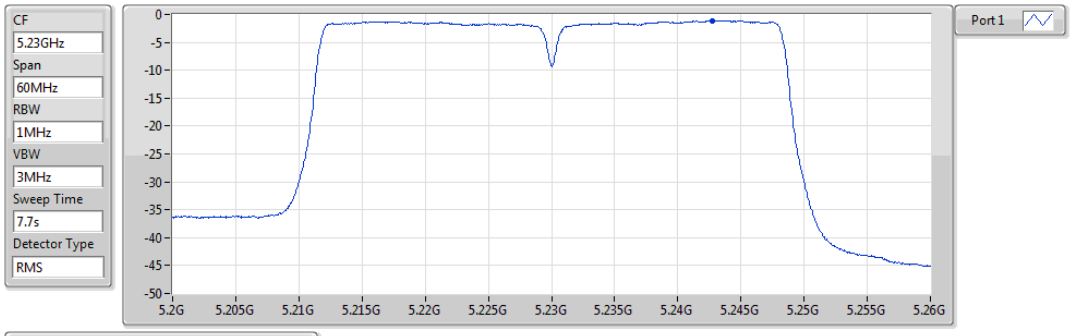
5190MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.60	-2.60	-2.60

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) **PSD**

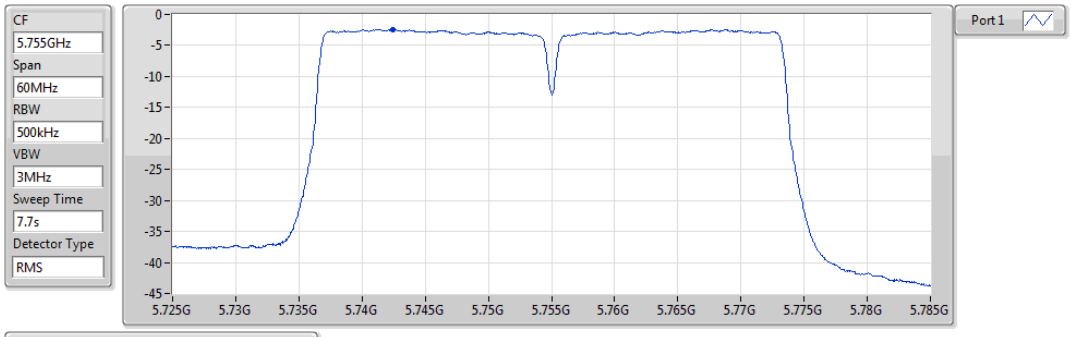
5230MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.09	-1.09	-1.09

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) **PSD**

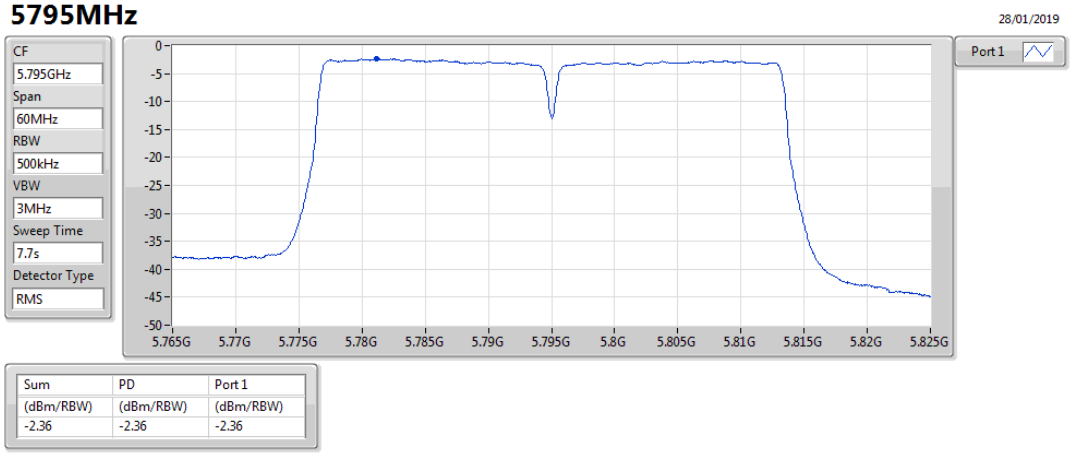
5755MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.41	-2.41	-2.41

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1) **PSD**

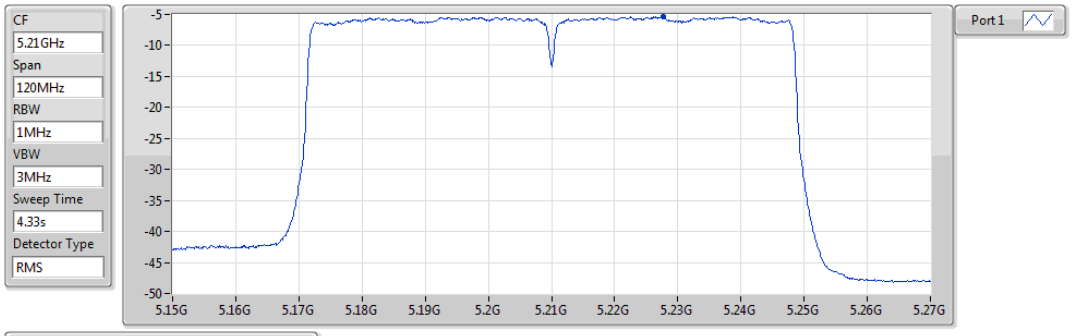
5795MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.36	-2.36	-2.36

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1) **PSD**

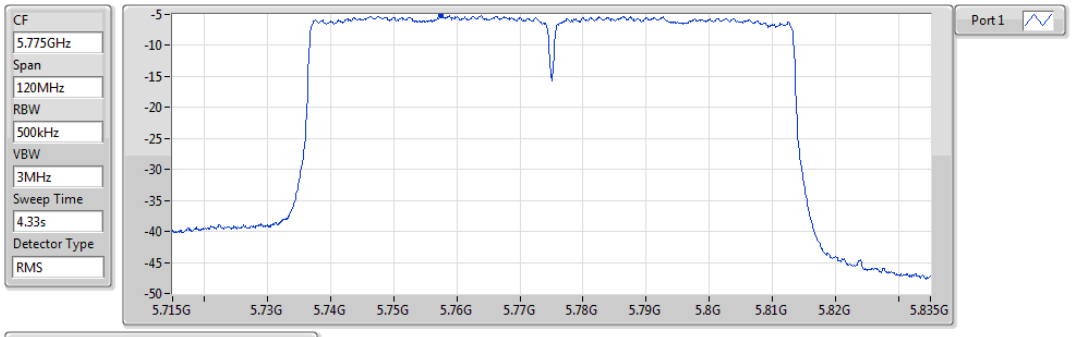
5210MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.32	-5.32	-5.32

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1) **PSD**

5775MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.12	-5.12	-5.12

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	Pass	PK	39.7M	34.61	40.00	-5.39	-18.19	3	Vertical	360	1.00	-

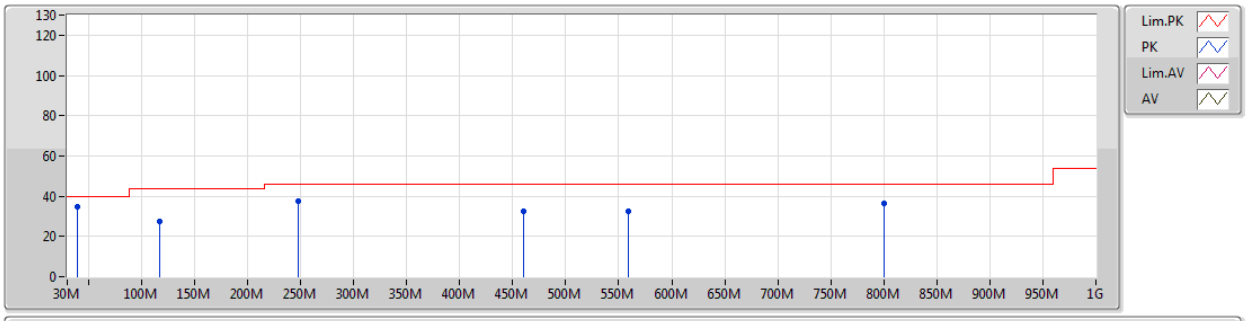
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	PK	39.7M	34.61	40.00	-5.39	-18.19	3	Vertical	360	1.00	-
5210MHz	Pass	PK	117.3M	27.30	43.50	-16.20	-19.47	3	Vertical	360	1.00	-
5210MHz	Pass	PK	247.28M	37.39	46.00	-8.61	-17.55	3	Vertical	360	1.00	-
5210MHz	Pass	PK	460.68M	32.41	46.00	-13.59	-12.70	3	Vertical	360	1.00	-
5210MHz	Pass	PK	559.62M	32.40	46.00	-13.60	-10.31	3	Vertical	360	1.00	-
5210MHz	Pass	PK	800.18M	36.57	46.00	-9.43	-8.13	3	Vertical	360	1.00	-
5210MHz	Pass	PK	39.7M	32.42	40.00	-7.58	-18.19	3	Horizontal	0	1.00	-
5210MHz	Pass	PK	103.72M	31.51	43.50	-11.99	-20.68	3	Horizontal	0	1.00	-
5210MHz	Pass	PK	191.02M	37.97	43.50	-5.53	-21.36	3	Horizontal	0	1.00	-
5210MHz	Pass	PK	598.42M	29.73	46.00	-16.27	-10.90	3	Horizontal	0	1.00	-
5210MHz	Pass	PK	796.3M	39.62	46.00	-6.38	-8.13	3	Horizontal	0	1.00	-
5210MHz	Pass	PK	904.94M	40.46	46.00	-5.54	-6.76	3	Horizontal	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

5210MHz_USB

25/01/2019

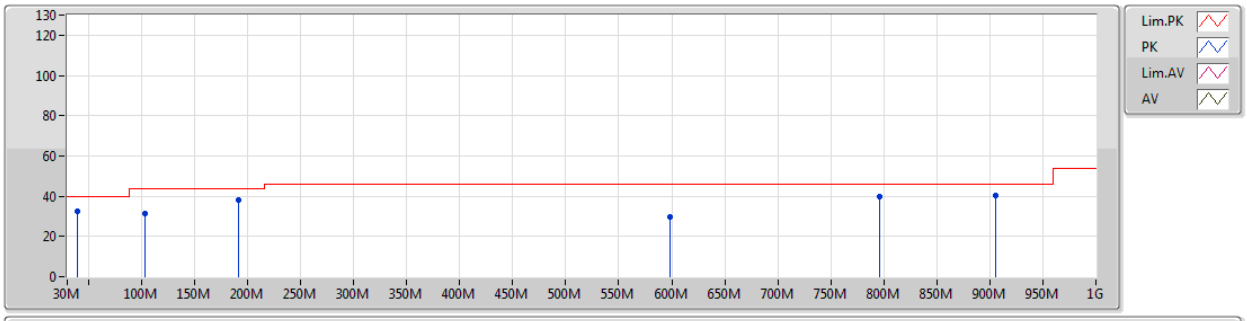


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	39.7M	34.61	40.00	-5.39	-18.19	3	Vertical	360	1.00	-
PK	117.3M	27.30	43.50	-16.20	-19.47	3	Vertical	360	1.00	-
PK	247.28M	37.39	46.00	-8.61	-17.55	3	Vertical	360	1.00	-
PK	460.68M	32.41	46.00	-13.59	-12.70	3	Vertical	360	1.00	-
PK	559.62M	32.40	46.00	-13.60	-10.31	3	Vertical	360	1.00	-
PK	800.18M	36.57	46.00	-9.43	-8.13	3	Vertical	360	1.00	-

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

5210MHz_USB

25/01/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	39.7M	32.42	40.00	-7.58	-18.19	3	Horizontal	0	1.00	-
PK	103.72M	31.51	43.50	-11.99	-20.68	3	Horizontal	0	1.00	-
PK	191.02M	37.97	43.50	-5.53	-21.36	3	Horizontal	0	1.00	-
PK	598.42M	29.73	46.00	-16.27	-10.90	3	Horizontal	0	1.00	-
PK	796.3M	39.62	46.00	-6.38	-8.13	3	Horizontal	0	1.00	-
PK	904.94M	40.46	46.00	-5.54	-6.76	3	Horizontal	0	1.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	Pass	AV	5.1496G	53.47	54.00	-0.53	2.74	3	Horizontal	101	2.16	-
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	Pass	PK	5.1452G	73.13	74.00	-0.87	2.74	3	Horizontal	101	2.19	-
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	Pass	AV	5.15G	52.72	54.00	-1.28	2.74	3	Horizontal	104	2.19	-
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	Pass	AV	5.144G	53.09	54.00	-0.91	2.74	3	Horizontal	103	2.18	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	Pass	AV	11.48952G	46.03	54.00	-7.97	13.58	3	Horizontal	52	1.02	-
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	Pass	AV	11.49024G	45.55	54.00	-8.45	13.58	3	Horizontal	48	1.85	-
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	Pass	PK	5.6482G	64.13	68.20	-4.07	3.44	3	Horizontal	172	2.60	-
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	Pass	PK	5.631G	66.82	68.20	-1.38	3.40	3	Horizontal	175	2.58	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1498G	45.18	54.00	-8.82	2.74	3	Vertical	302	2.87	-
5180MHz	Pass	AV	5.1858G	89.53	Inf	-Inf	2.78	3	Vertical	302	2.87	-
5180MHz	Pass	PK	5.149G	61.98	74.00	-12.02	2.74	3	Vertical	302	2.87	-
5180MHz	Pass	PK	5.1784G	98.93	Inf	-Inf	2.77	3	Vertical	302	2.87	-
5180MHz	Pass	AV	5.1496G	53.47	54.00	-0.53	2.74	3	Horizontal	101	2.16	-
5180MHz	Pass	AV	5.174G	98.87	Inf	-Inf	2.76	3	Horizontal	101	2.16	-
5180MHz	Pass	PK	5.1492G	73.12	74.00	-0.88	2.74	3	Horizontal	101	2.16	-
5180MHz	Pass	PK	5.1782G	108.25	Inf	-Inf	2.77	3	Horizontal	101	2.16	-
5180MHz	Pass	AV	10.35454G	42.01	54.00	-11.99	12.63	3	Vertical	97	2.16	-
5180MHz	Pass	PK	10.36984G	54.76	74.00	-19.24	12.66	3	Vertical	97	2.16	-
5180MHz	Pass	AV	10.3594G	42.37	54.00	-11.63	12.63	3	Horizontal	138	1.84	-
5180MHz	Pass	PK	10.35352G	54.79	74.00	-19.21	12.62	3	Horizontal	138	1.84	-
5200MHz	Pass	AV	5.1468G	43.66	54.00	-10.34	2.74	3	Vertical	138	2.97	-
5200MHz	Pass	AV	5.1936G	91.03	Inf	-Inf	2.80	3	Vertical	138	2.97	-
5200MHz	Pass	PK	5.1484G	56.91	74.00	-17.09	2.74	3	Vertical	138	2.97	-
5200MHz	Pass	PK	5.1984G	100.42	Inf	-Inf	2.80	3	Vertical	138	2.97	-
5200MHz	Pass	AV	5.15G	48.00	54.00	-6.00	2.74	3	Horizontal	100	2.19	-
5200MHz	Pass	AV	5.194G	100.78	Inf	-Inf	2.80	3	Horizontal	100	2.19	-
5200MHz	Pass	PK	5.1468G	63.01	74.00	-10.99	2.74	3	Horizontal	100	2.19	-
5200MHz	Pass	PK	5.1984G	110.12	Inf	-Inf	2.80	3	Horizontal	100	2.19	-
5200MHz	Pass	AV	10.39868G	44.46	54.00	-9.54	12.73	3	Vertical	164	2.77	-
5200MHz	Pass	PK	10.39244G	57.94	74.00	-16.06	12.70	3	Vertical	164	2.77	-
5200MHz	Pass	AV	10.39916G	44.39	54.00	-9.61	12.73	3	Horizontal	25	1.92	-
5200MHz	Pass	PK	10.3964G	56.86	74.00	-17.14	12.71	3	Horizontal	25	1.92	-
5240MHz	Pass	AV	5.126G	43.43	54.00	-10.57	2.72	3	Vertical	299	2.96	-
5240MHz	Pass	AV	5.234G	90.13	Inf	-Inf	2.83	3	Vertical	299	2.96	-
5240MHz	Pass	AV	5.3852G	42.52	54.00	-11.48	3.01	3	Vertical	299	2.96	-
5240MHz	Pass	PK	5.1188G	55.29	74.00	-18.71	2.70	3	Vertical	299	2.96	-
5240MHz	Pass	PK	5.2382G	99.52	Inf	-Inf	2.84	3	Vertical	299	2.96	-
5240MHz	Pass	PK	5.3864G	54.51	74.00	-19.49	3.01	3	Vertical	299	2.96	-
5240MHz	Pass	AV	5.0918G	44.23	54.00	-9.77	2.67	3	Horizontal	102	2.16	-
5240MHz	Pass	AV	5.234G	100.33	Inf	-Inf	2.83	3	Horizontal	102	2.16	-
5240MHz	Pass	AV	5.3822G	44.89	54.00	-9.11	3.01	3	Horizontal	102	2.16	-
5240MHz	Pass	PK	5.0984G	56.29	74.00	-17.71	2.68	3	Horizontal	102	2.16	-
5240MHz	Pass	PK	5.2412G	109.42	Inf	-Inf	2.84	3	Horizontal	102	2.16	-
5240MHz	Pass	PK	5.3828G	56.31	74.00	-17.69	3.01	3	Horizontal	102	2.16	-
5240MHz	Pass	AV	10.47958G	44.30	54.00	-9.70	12.90	3	Vertical	0	1.93	-
5240MHz	Pass	PK	10.48096G	56.67	74.00	-17.33	12.90	3	Vertical	0	1.93	-
5240MHz	Pass	AV	10.47928G	44.86	54.00	-9.14	12.90	3	Horizontal	154	1.92	-
5240MHz	Pass	PK	10.48582G	57.20	74.00	-16.80	12.91	3	Horizontal	154	1.92	-
5745MHz	Pass	AV	5.751G	90.48	Inf	-Inf	3.64	3	Vertical	136	2.99	-
5745MHz	Pass	PK	5.6502G	56.29	68.35	-12.06	3.44	3	Vertical	136	2.99	-
5745MHz	Pass	PK	5.7522G	99.74	Inf	-Inf	3.64	3	Vertical	136	2.99	-
5745MHz	Pass	PK	5.967G	56.33	68.20	-11.87	4.06	3	Vertical	136	2.99	-
5745MHz	Pass	AV	5.739G	98.89	Inf	-Inf	3.61	3	Horizontal	196	2.44	-
5745MHz	Pass	PK	5.5938G	57.19	68.20	-11.01	3.33	3	Horizontal	196	2.44	-
5745MHz	Pass	PK	5.7426G	108.09	Inf	-Inf	3.62	3	Horizontal	196	2.44	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5745MHz	Pass	PK	5.979G	56.06	68.20	-12.14	4.09	3	Horizontal	196	2.44	-
5745MHz	Pass	AV	11.49048G	43.90	54.00	-10.10	13.58	3	Vertical	229	1.01	-
5745MHz	Pass	PK	11.49132G	56.96	74.00	-17.04	13.58	3	Vertical	229	1.01	-
5745MHz	Pass	AV	11.48952G	46.03	54.00	-7.97	13.58	3	Horizontal	52	1.02	-
5745MHz	Pass	PK	11.48916G	58.54	74.00	-15.46	13.59	3	Horizontal	52	1.02	-
5785MHz	Pass	AV	5.779G	89.20	Inf	-Inf	3.69	3	Vertical	303	2.63	-
5785MHz	Pass	PK	5.6254G	55.63	68.20	-12.57	3.40	3	Vertical	303	2.63	-
5785MHz	Pass	PK	5.7826G	98.08	Inf	-Inf	3.70	3	Vertical	303	2.63	-
5785MHz	Pass	PK	5.9758G	56.14	68.20	-12.06	4.08	3	Vertical	303	2.63	-
5785MHz	Pass	AV	5.779G	99.28	Inf	-Inf	3.69	3	Horizontal	172	2.33	-
5785MHz	Pass	PK	5.6278G	57.34	68.20	-10.86	3.40	3	Horizontal	172	2.33	-
5785MHz	Pass	PK	5.7922G	108.12	Inf	-Inf	3.71	3	Horizontal	172	2.33	-
5785MHz	Pass	PK	5.9278G	57.75	68.20	-10.45	3.99	3	Horizontal	172	2.33	-
5785MHz	Pass	AV	11.57372G	42.92	54.00	-11.08	13.51	3	Vertical	349	2.96	-
5785MHz	Pass	PK	11.56946G	55.55	74.00	-18.45	13.50	3	Vertical	349	2.96	-
5785MHz	Pass	AV	11.5691G	45.16	54.00	-8.84	13.50	3	Horizontal	50	1.98	-
5785MHz	Pass	PK	11.5709G	57.61	74.00	-16.39	13.51	3	Horizontal	50	1.98	-
5825MHz	Pass	AV	5.819G	86.74	Inf	-Inf	3.77	3	Vertical	324	2.30	-
5825MHz	Pass	PK	5.6378G	55.68	68.20	-12.52	3.42	3	Vertical	324	2.30	-
5825MHz	Pass	PK	5.8226G	95.64	Inf	-Inf	3.78	3	Vertical	324	2.30	-
5825MHz	Pass	PK	5.9294G	55.83	68.20	-12.37	3.99	3	Vertical	324	2.30	-
5825MHz	Pass	AV	5.831G	99.28	Inf	-Inf	3.79	3	Horizontal	171	2.44	-
5825MHz	Pass	PK	5.5982G	55.22	68.20	-12.98	3.34	3	Horizontal	171	2.44	-
5825MHz	Pass	PK	5.8262G	108.16	Inf	-Inf	3.79	3	Horizontal	171	2.44	-
5825MHz	Pass	PK	5.9678G	57.89	68.20	-10.31	4.06	3	Horizontal	171	2.44	-
5825MHz	Pass	AV	11.653G	43.92	54.00	-10.08	13.43	3	Vertical	163	2.96	-
5825MHz	Pass	PK	11.65198G	56.91	74.00	-17.09	13.43	3	Vertical	163	2.96	-
5825MHz	Pass	AV	11.65246G	44.87	54.00	-9.13	13.43	3	Horizontal	40	1.96	-
5825MHz	Pass	PK	11.6542G	57.36	74.00	-16.64	13.42	3	Horizontal	40	1.96	-
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1496G	44.53	54.00	-9.47	2.74	3	Vertical	300	2.71	-
5180MHz	Pass	AV	5.1852G	87.36	Inf	-Inf	2.78	3	Vertical	300	2.71	-
5180MHz	Pass	PK	5.1488G	61.26	74.00	-12.74	2.74	3	Vertical	300	2.71	-
5180MHz	Pass	PK	5.187G	97.15	Inf	-Inf	2.78	3	Vertical	300	2.71	-
5180MHz	Pass	AV	5.1498G	53.11	54.00	-0.89	2.74	3	Horizontal	101	2.19	-
5180MHz	Pass	AV	5.1748G	98.40	Inf	-Inf	2.76	3	Horizontal	101	2.19	-
5180MHz	Pass	PK	5.1452G	73.13	74.00	-0.87	2.74	3	Horizontal	101	2.19	-
5180MHz	Pass	PK	5.1782G	108.11	Inf	-Inf	2.77	3	Horizontal	101	2.19	-
5180MHz	Pass	AV	10.35298G	42.02	54.00	-11.98	12.62	3	Vertical	0	1.50	-
5180MHz	Pass	PK	10.36216G	55.46	74.00	-18.54	12.64	3	Vertical	0	1.50	-
5180MHz	Pass	AV	10.36018G	42.21	54.00	-11.79	12.63	3	Horizontal	71	1.92	-
5180MHz	Pass	PK	10.36666G	54.60	74.00	-19.40	12.64	3	Horizontal	71	1.92	-
5200MHz	Pass	AV	5.1156G	43.07	54.00	-10.93	2.70	3	Vertical	150	2.96	-
5200MHz	Pass	AV	5.1932G	85.29	Inf	-Inf	2.80	3	Vertical	150	2.96	-
5200MHz	Pass	PK	5.1116G	55.32	74.00	-18.68	2.70	3	Vertical	150	2.96	-
5200MHz	Pass	PK	5.1936G	94.29	Inf	-Inf	2.80	3	Vertical	150	2.96	-
5200MHz	Pass	AV	5.15G	49.13	54.00	-4.87	2.74	3	Horizontal	99	2.19	-
5200MHz	Pass	AV	5.1944G	100.17	Inf	-Inf	2.80	3	Horizontal	99	2.19	-
5200MHz	Pass	PK	5.1488G	69.63	74.00	-4.37	2.74	3	Horizontal	99	2.19	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5200MHz	Pass	PK	5.198G	110.00	Inf	-Inf	2.80	3	Horizontal	99	2.19	-
5200MHz	Pass	AV	10.39904G	43.36	54.00	-10.64	12.73	3	Vertical	359	2.85	-
5200MHz	Pass	PK	10.39628G	56.23	74.00	-17.77	12.71	3	Vertical	359	2.85	-
5200MHz	Pass	AV	10.39928G	43.86	54.00	-10.14	12.73	3	Horizontal	36	1.95	-
5200MHz	Pass	PK	10.3931G	56.66	74.00	-17.34	12.71	3	Horizontal	36	1.95	-
5240MHz	Pass	AV	5.1374G	43.33	54.00	-10.67	2.73	3	Vertical	135	2.78	-
5240MHz	Pass	AV	5.2328G	89.46	Inf	-Inf	2.83	3	Vertical	135	2.78	-
5240MHz	Pass	AV	5.387G	42.69	54.00	-11.31	3.01	3	Vertical	135	2.78	-
5240MHz	Pass	PK	5.1182G	55.91	74.00	-18.09	2.70	3	Vertical	135	2.78	-
5240MHz	Pass	PK	5.234G	99.41	Inf	-Inf	2.83	3	Vertical	135	2.78	-
5240MHz	Pass	PK	5.3894G	55.10	74.00	-18.90	3.01	3	Vertical	135	2.78	-
5240MHz	Pass	AV	5.0948G	44.31	54.00	-9.69	2.68	3	Horizontal	98	2.15	-
5240MHz	Pass	AV	5.2346G	100.06	Inf	-Inf	2.83	3	Horizontal	98	2.15	-
5240MHz	Pass	AV	5.3828G	44.91	54.00	-9.09	3.01	3	Horizontal	98	2.15	-
5240MHz	Pass	PK	5.0978G	56.42	74.00	-17.58	2.68	3	Horizontal	98	2.15	-
5240MHz	Pass	PK	5.2412G	109.30	Inf	-Inf	2.84	3	Horizontal	98	2.15	-
5240MHz	Pass	PK	5.3834G	56.58	74.00	-17.42	3.01	3	Horizontal	98	2.15	-
5240MHz	Pass	AV	10.47898G	44.07	54.00	-9.93	12.90	3	Vertical	12	1.95	-
5240MHz	Pass	PK	10.47664G	56.83	74.00	-17.17	12.90	3	Vertical	12	1.95	-
5240MHz	Pass	AV	10.47946G	44.44	54.00	-9.56	12.90	3	Horizontal	151	1.80	-
5240MHz	Pass	PK	10.48G	57.33	74.00	-16.67	12.90	3	Horizontal	151	1.80	-
5745MHz	Pass	AV	5.751G	89.40	Inf	-Inf	3.64	3	Vertical	136	2.99	-
5745MHz	Pass	PK	5.6034G	55.75	68.20	-12.45	3.34	3	Vertical	136	2.99	-
5745MHz	Pass	PK	5.7486G	98.62	Inf	-Inf	3.63	3	Vertical	136	2.99	-
5745MHz	Pass	PK	5.9298G	56.24	68.20	-11.96	3.99	3	Vertical	136	2.99	-
5745MHz	Pass	AV	5.7366G	99.33	Inf	-Inf	3.61	3	Horizontal	173	2.46	-
5745MHz	Pass	PK	5.5902G	58.42	68.20	-9.78	3.32	3	Horizontal	173	2.46	-
5745MHz	Pass	PK	5.7474G	109.34	Inf	-Inf	3.63	3	Horizontal	173	2.46	-
5745MHz	Pass	PK	5.9334G	56.35	68.20	-11.85	4.00	3	Horizontal	173	2.46	-
5745MHz	Pass	AV	11.49228G	44.15	54.00	-9.85	13.58	3	Vertical	162	2.95	-
5745MHz	Pass	PK	11.49426G	56.46	74.00	-17.54	13.58	3	Vertical	162	2.95	-
5745MHz	Pass	AV	11.49024G	45.55	54.00	-8.45	13.58	3	Horizontal	48	1.85	-
5745MHz	Pass	PK	11.48736G	58.28	74.00	-15.72	13.59	3	Horizontal	48	1.85	-
5785MHz	Pass	AV	5.7802G	88.91	Inf	-Inf	3.69	3	Vertical	304	2.63	-
5785MHz	Pass	PK	5.5042G	56.17	68.20	-12.03	3.15	3	Vertical	304	2.63	-
5785MHz	Pass	PK	5.7802G	99.11	Inf	-Inf	3.69	3	Vertical	304	2.63	-
5785MHz	Pass	PK	5.9554G	56.38	68.20	-11.82	4.04	3	Vertical	304	2.63	-
5785MHz	Pass	AV	5.7802G	98.70	Inf	-Inf	3.69	3	Horizontal	175	2.45	-
5785MHz	Pass	PK	5.6326G	57.11	68.20	-11.09	3.41	3	Horizontal	175	2.45	-
5785MHz	Pass	PK	5.791G	108.19	Inf	-Inf	3.71	3	Horizontal	175	2.45	-
5785MHz	Pass	PK	5.9422G	57.87	68.20	-10.33	4.02	3	Horizontal	175	2.45	-
5785MHz	Pass	AV	11.56904G	43.81	54.00	-10.19	13.50	3	Vertical	176	2.84	-
5785MHz	Pass	PK	11.57456G	56.46	74.00	-17.54	13.51	3	Vertical	176	2.84	-
5785MHz	Pass	AV	11.57084G	44.97	54.00	-9.03	13.51	3	Horizontal	51	1.81	-
5785MHz	Pass	PK	11.56892G	57.43	74.00	-16.57	13.50	3	Horizontal	51	1.81	-
5825MHz	Pass	AV	5.8202G	86.11	Inf	-Inf	3.77	3	Vertical	341	2.19	-
5825MHz	Pass	PK	5.531G	55.70	68.20	-12.50	3.20	3	Vertical	341	2.19	-
5825MHz	Pass	PK	5.8178G	95.71	Inf	-Inf	3.76	3	Vertical	341	2.19	-
5825MHz	Pass	PK	5.9882G	56.02	68.20	-12.18	4.10	3	Vertical	341	2.19	-

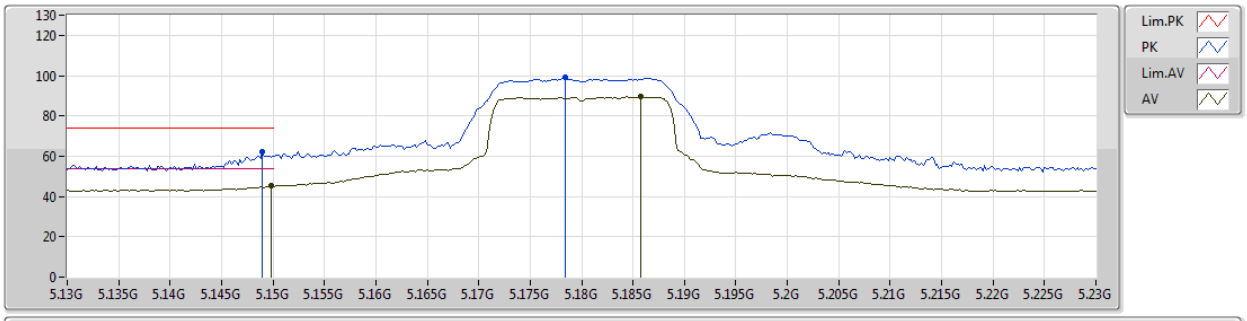
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	AV	5.8286G	98.69	Inf	-Inf	3.79	3	Horizontal	175	2.31	-
5825MHz	Pass	PK	5.5874G	55.99	68.20	-12.21	3.31	3	Horizontal	175	2.31	-
5825MHz	Pass	PK	5.8286G	108.13	Inf	-Inf	3.79	3	Horizontal	175	2.31	-
5825MHz	Pass	PK	5.9714G	57.94	68.20	-10.26	4.07	3	Horizontal	175	2.31	-
5825MHz	Pass	AV	11.64898G	43.53	54.00	-10.47	13.43	3	Vertical	151	2.96	-
5825MHz	Pass	PK	11.65648G	55.76	74.00	-18.24	13.42	3	Vertical	151	2.96	-
5825MHz	Pass	AV	11.65186G	44.84	54.00	-9.16	13.43	3	Horizontal	57	1.92	-
5825MHz	Pass	PK	11.6533G	57.06	74.00	-16.94	13.43	3	Horizontal	57	1.92	-
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1488G	43.92	54.00	-10.08	2.74	3	Vertical	298	2.84	-
5190MHz	Pass	AV	5.1876G	78.59	Inf	-Inf	2.78	3	Vertical	298	2.84	-
5190MHz	Pass	PK	5.1488G	56.03	74.00	-17.97	2.74	3	Vertical	298	2.84	-
5190MHz	Pass	PK	5.1876G	87.83	Inf	-Inf	2.78	3	Vertical	298	2.84	-
5190MHz	Pass	AV	5.15G	52.72	54.00	-1.28	2.74	3	Horizontal	104	2.19	-
5190MHz	Pass	AV	5.1772G	91.31	Inf	-Inf	2.77	3	Horizontal	104	2.19	-
5190MHz	Pass	PK	5.1492G	67.30	74.00	-6.70	2.74	3	Horizontal	104	2.19	-
5190MHz	Pass	PK	5.1776G	101.11	Inf	-Inf	2.77	3	Horizontal	104	2.19	-
5190MHz	Pass	AV	10.3707G	42.35	54.00	-11.65	12.66	3	Vertical	0	1.96	-
5190MHz	Pass	PK	10.36776G	54.81	74.00	-19.19	12.65	3	Vertical	0	1.96	-
5190MHz	Pass	AV	10.3944G	42.79	54.00	-11.21	12.71	3	Horizontal	152	2.45	-
5190MHz	Pass	PK	10.37976G	54.56	74.00	-19.44	12.67	3	Horizontal	152	2.45	-
5230MHz	Pass	AV	5.1484G	46.46	54.00	-7.54	2.74	3	Vertical	140	2.99	-
5230MHz	Pass	AV	5.218G	88.63	Inf	-Inf	2.82	3	Vertical	140	2.99	-
5230MHz	Pass	PK	5.1484G	59.73	74.00	-14.27	2.74	3	Vertical	140	2.99	-
5230MHz	Pass	PK	5.2176G	97.45	Inf	-Inf	2.82	3	Vertical	140	2.99	-
5230MHz	Pass	AV	5.15G	52.28	54.00	-1.72	2.74	3	Horizontal	103	2.16	-
5230MHz	Pass	AV	5.238G	98.04	Inf	-Inf	2.84	3	Horizontal	103	2.16	-
5230MHz	Pass	PK	5.1416G	65.40	74.00	-8.60	2.73	3	Horizontal	103	2.16	-
5230MHz	Pass	PK	5.2364G	108.16	Inf	-Inf	2.84	3	Horizontal	103	2.16	-
5230MHz	Pass	AV	10.4603G	43.43	54.00	-10.57	12.84	3	Vertical	359	2.75	-
5230MHz	Pass	PK	10.44632G	55.84	74.00	-18.16	12.82	3	Vertical	359	2.75	-
5230MHz	Pass	AV	10.46282G	44.05	54.00	-9.95	12.86	3	Horizontal	156	2.06	-
5230MHz	Pass	PK	10.45766G	55.95	74.00	-18.05	12.84	3	Horizontal	156	2.06	-
5755MHz	Pass	AV	5.7514G	85.12	Inf	-Inf	3.64	3	Vertical	148	2.99	-
5755MHz	Pass	PK	5.6326G	56.07	68.20	-12.13	3.41	3	Vertical	148	2.99	-
5755MHz	Pass	PK	5.7466G	94.63	Inf	-Inf	3.63	3	Vertical	148	2.99	-
5755MHz	Pass	PK	5.9782G	56.47	68.20	-11.73	4.08	3	Vertical	148	2.99	-
5755MHz	Pass	AV	5.7406G	97.20	Inf	-Inf	3.62	3	Horizontal	172	2.60	-
5755MHz	Pass	PK	5.6482G	64.13	68.20	-4.07	3.44	3	Horizontal	172	2.60	-
5755MHz	Pass	PK	5.7478G	105.96	Inf	-Inf	3.63	3	Horizontal	172	2.60	-
5755MHz	Pass	PK	5.929G	56.60	68.20	-11.60	3.99	3	Horizontal	172	2.60	-
5755MHz	Pass	AV	11.50064G	43.04	54.00	-10.96	13.57	3	Vertical	302	1.70	-
5755MHz	Pass	PK	11.49992G	57.01	74.00	-17.99	13.57	3	Vertical	302	1.70	-
5755MHz	Pass	AV	11.5031G	44.69	54.00	-9.31	13.57	3	Horizontal	92	2.06	-
5755MHz	Pass	PK	11.5166G	56.87	74.00	-17.13	13.55	3	Horizontal	92	2.06	-
5795MHz	Pass	AV	5.807G	82.97	Inf	-Inf	3.74	3	Vertical	320	2.62	-
5795MHz	Pass	PK	5.633G	56.20	68.20	-12.00	3.41	3	Vertical	320	2.62	-
5795MHz	Pass	PK	5.8058G	91.83	Inf	-Inf	3.74	3	Vertical	320	2.62	-
5795MHz	Pass	PK	5.9366G	56.49	68.20	-11.71	4.01	3	Vertical	320	2.62	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5795MHz	Pass	AV	5.7818G	96.80	Inf	-Inf	3.69	3	Horizontal	176	2.34	-
5795MHz	Pass	PK	5.6474G	58.61	68.20	-9.59	3.44	3	Horizontal	176	2.34	-
5795MHz	Pass	PK	5.7914G	105.58	Inf	-Inf	3.71	3	Horizontal	176	2.34	-
5795MHz	Pass	PK	5.9618G	57.77	68.20	-10.43	4.05	3	Horizontal	176	2.34	-
5795MHz	Pass	AV	11.58382G	42.99	54.00	-11.01	13.49	3	Vertical	224	1.01	-
5795MHz	Pass	PK	11.58742G	55.12	74.00	-18.88	13.49	3	Vertical	224	1.01	-
5795MHz	Pass	AV	11.59288G	44.77	54.00	-9.23	13.49	3	Horizontal	55	1.89	-
5795MHz	Pass	PK	11.59168G	56.78	74.00	-17.22	13.49	3	Horizontal	55	1.89	-
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.145G	46.88	54.00	-7.12	2.74	3	Vertical	142	2.97	-
5210MHz	Pass	AV	5.219G	80.00	Inf	-Inf	2.82	3	Vertical	142	2.97	-
5210MHz	Pass	AV	5.435G	45.09	54.00	-8.91	3.06	3	Vertical	142	2.97	-
5210MHz	Pass	PK	5.149G	56.45	74.00	-17.55	2.74	3	Vertical	142	2.97	-
5210MHz	Pass	PK	5.204G	88.61	Inf	-Inf	2.80	3	Vertical	142	2.97	-
5210MHz	Pass	PK	5.424G	54.82	74.00	-19.18	3.06	3	Vertical	142	2.97	-
5210MHz	Pass	AV	5.144G	53.09	54.00	-0.91	2.74	3	Horizontal	103	2.18	-
5210MHz	Pass	AV	5.198G	89.35	Inf	-Inf	2.80	3	Horizontal	103	2.18	-
5210MHz	Pass	AV	5.351G	45.87	54.00	-8.13	2.97	3	Horizontal	103	2.18	-
5210MHz	Pass	PK	5.132G	62.83	74.00	-11.17	2.72	3	Horizontal	103	2.18	-
5210MHz	Pass	PK	5.233G	98.01	Inf	-Inf	2.83	3	Horizontal	103	2.18	-
5210MHz	Pass	PK	5.369G	56.31	74.00	-17.69	2.99	3	Horizontal	103	2.18	-
5210MHz	Pass	AV	10.41652G	43.62	54.00	-10.38	12.76	3	Vertical	347	1.50	-
5210MHz	Pass	PK	10.41184G	54.45	74.00	-19.55	12.75	3	Vertical	347	1.50	-
5210MHz	Pass	AV	10.40632G	43.95	54.00	-10.05	12.74	3	Horizontal	169	1.64	-
5210MHz	Pass	PK	10.41556G	54.53	74.00	-19.47	12.76	3	Horizontal	169	1.64	-
5775MHz	Pass	AV	5.7738G	84.02	Inf	-Inf	3.68	3	Vertical	307	2.89	-
5775MHz	Pass	PK	5.6286G	58.90	68.20	-9.30	3.40	3	Vertical	307	2.89	-
5775MHz	Pass	PK	5.7666G	92.81	Inf	-Inf	3.67	3	Vertical	307	2.89	-
5775MHz	Pass	PK	5.9274G	56.42	68.20	-11.78	3.99	3	Vertical	307	2.89	-
5775MHz	Pass	AV	5.7666G	94.88	Inf	-Inf	3.67	3	Horizontal	175	2.58	-
5775MHz	Pass	PK	5.631G	66.82	68.20	-1.38	3.40	3	Horizontal	175	2.58	-
5775MHz	Pass	PK	5.7642G	102.92	Inf	-Inf	3.66	3	Horizontal	175	2.58	-
5775MHz	Pass	PK	5.9346G	64.93	68.20	-3.27	4.00	3	Horizontal	175	2.58	-
5775MHz	Pass	AV	11.55876G	43.97	54.00	-10.03	13.52	3	Vertical	54	2.15	-
5775MHz	Pass	PK	11.55276G	55.04	74.00	-18.96	13.53	3	Vertical	54	2.15	-
5775MHz	Pass	AV	11.54118G	44.30	54.00	-9.70	13.53	3	Horizontal	7	1.50	-
5775MHz	Pass	PK	11.55348G	55.26	74.00	-18.74	13.53	3	Horizontal	7	1.50	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5180MHz_TX

24/01/2019

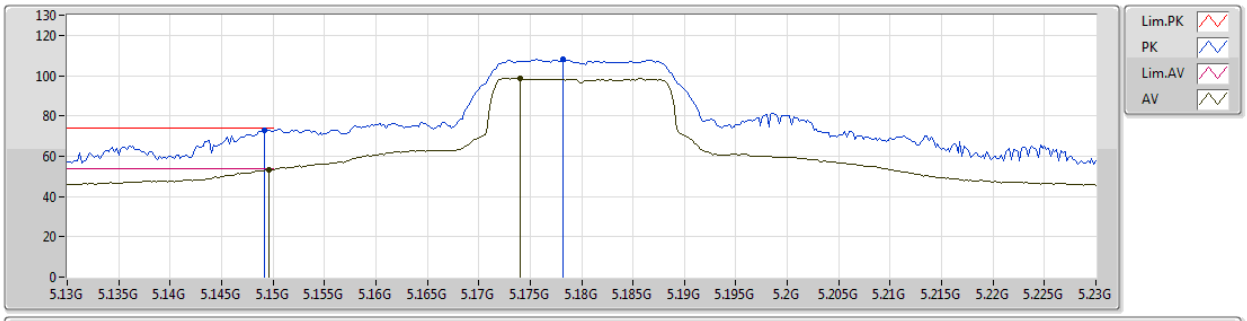


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1498G	45.18	54.00	-8.82	2.74	3	Vertical	302	2.87	-
AV	5.1858G	89.53	Inf	-Inf	2.78	3	Vertical	302	2.87	-
PK	5.149G	61.98	74.00	-12.02	2.74	3	Vertical	302	2.87	-
PK	5.1784G	98.93	Inf	-Inf	2.77	3	Vertical	302	2.87	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5180MHz_TX

24/01/2019

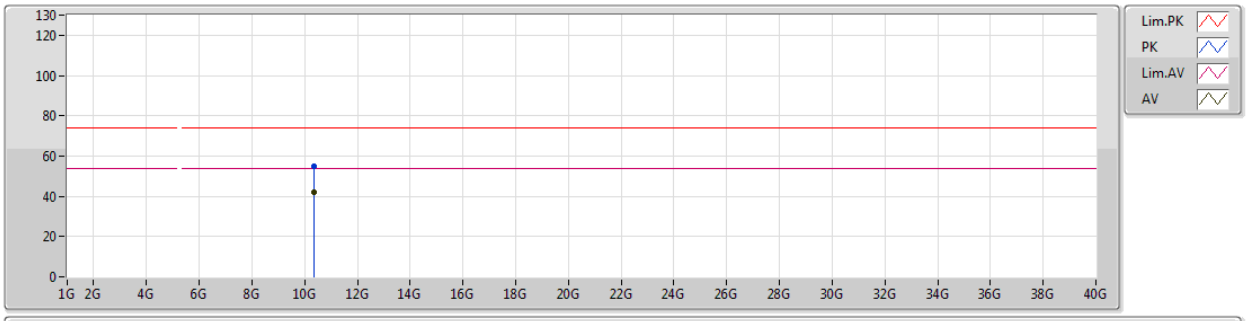


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1496G	53.47	54.00	-0.53	2.74	3	Horizontal	101	2.16	-
AV	5.174G	98.87	Inf	-Inf	2.76	3	Horizontal	101	2.16	-
PK	5.1492G	73.12	74.00	-0.88	2.74	3	Horizontal	101	2.16	-
PK	5.1782G	108.25	Inf	-Inf	2.77	3	Horizontal	101	2.16	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

24/01/2019

5180MHz_TX

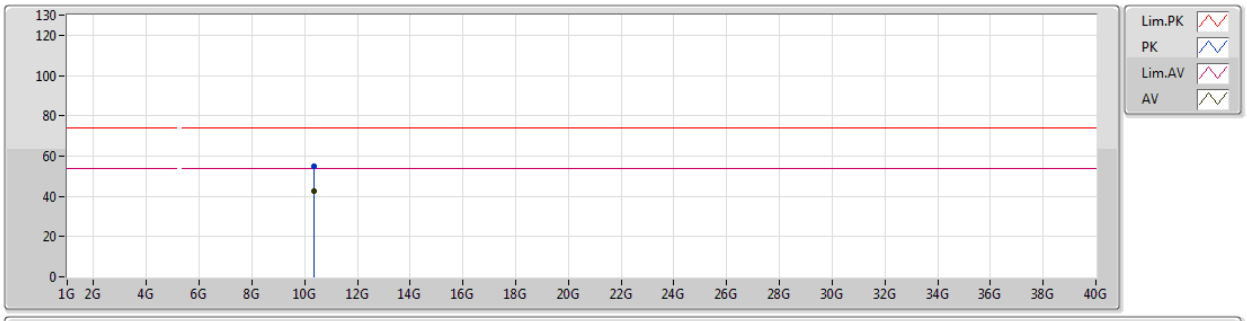


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.35454G	42.01	54.00	-11.99	12.63	3	Vertical	97	2.16	-
PK	10.36984G	54.76	74.00	-19.24	12.66	3	Vertical	97	2.16	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

24/01/2019

5180MHz_TX

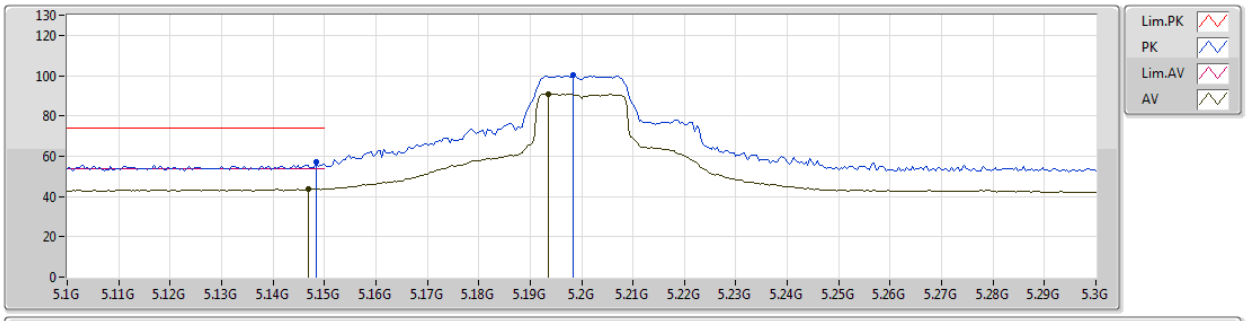


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.3594G	42.37	54.00	-11.63	12.63	3	Horizontal	138	1.84	-
PK	10.35352G	54.79	74.00	-19.21	12.62	3	Horizontal	138	1.84	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5200MHz_TX

24/01/2019

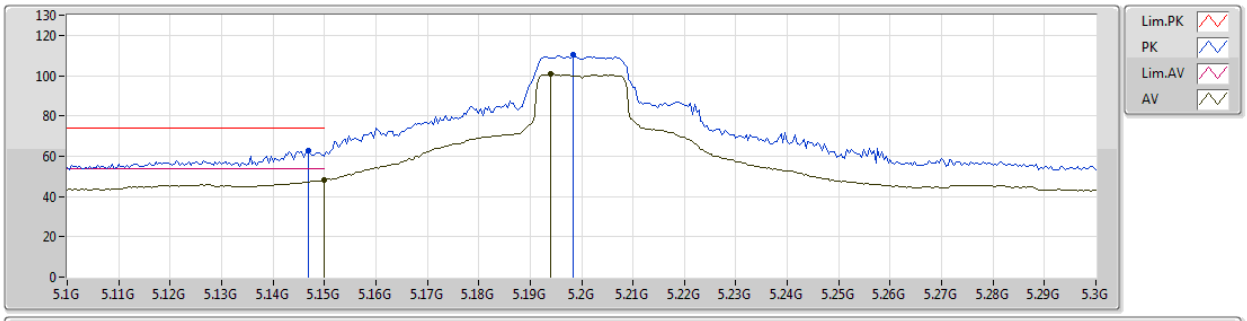


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1468G	43.66	54.00	-10.34	2.74	3	Vertical	138	2.97	-
AV	5.1936G	91.03	Inf	-Inf	2.80	3	Vertical	138	2.97	-
PK	5.1484G	56.91	74.00	-17.09	2.74	3	Vertical	138	2.97	-
PK	5.1984G	100.42	Inf	-Inf	2.80	3	Vertical	138	2.97	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5200MHz_TX

24/01/2019

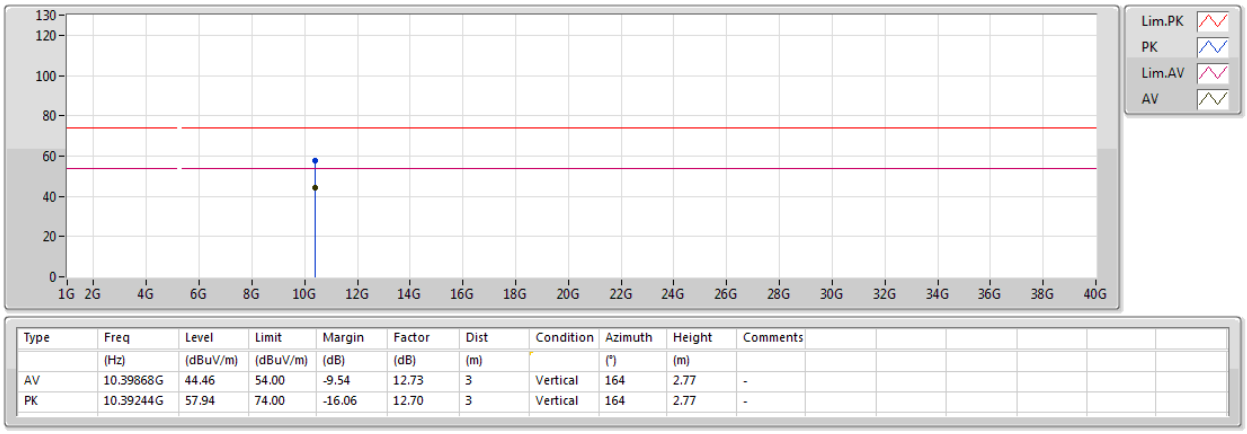


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	48.00	54.00	-6.00	2.74	3	Horizontal	100	2.19	-
AV	5.194G	100.78	Inf	-Inf	2.80	3	Horizontal	100	2.19	-
PK	5.1468G	63.01	74.00	-10.99	2.74	3	Horizontal	100	2.19	-
PK	5.1984G	110.12	Inf	-Inf	2.80	3	Horizontal	100	2.19	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5200MHz_TX

24/01/2019

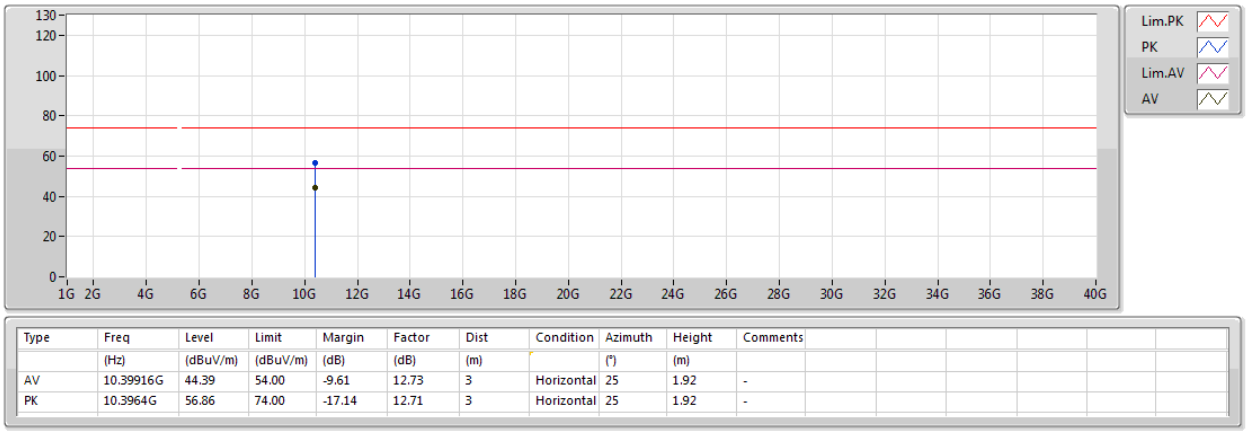


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.39868G	44.46	54.00	-9.54	12.73	3	Vertical	164	2.77	-
PK	10.39244G	57.94	74.00	-16.06	12.70	3	Vertical	164	2.77	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5200MHz_TX

24/01/2019

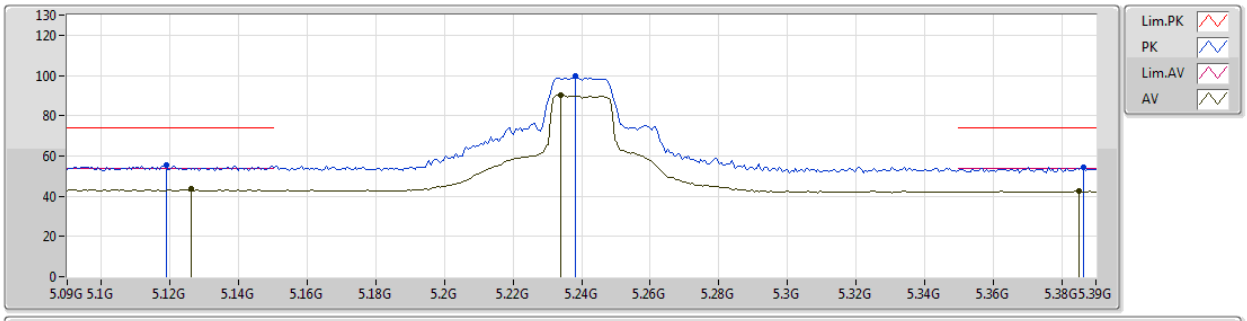


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.39916G	44.39	54.00	-9.61	12.73	3	Horizontal	25	1.92	-
PK	10.3964G	56.86	74.00	-17.14	12.71	3	Horizontal	25	1.92	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

24/01/2019

5240MHz_TX

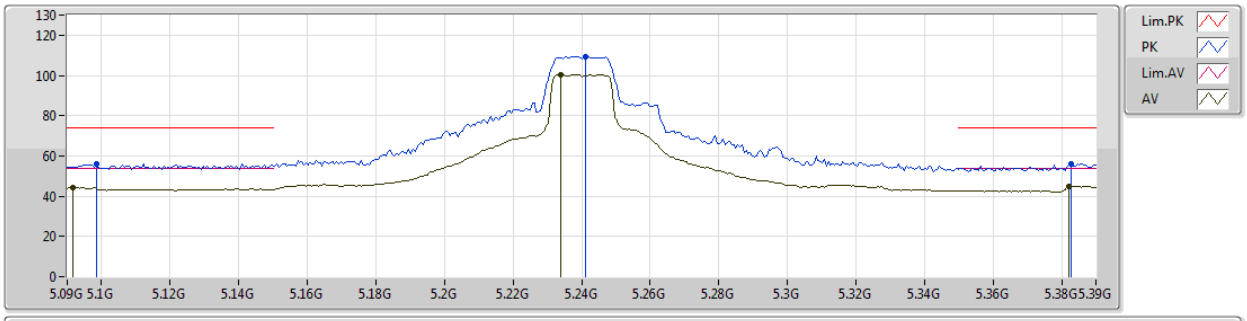


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.126G	43.43	54.00	-10.57	2.72	3	Vertical	299	2.96	-
AV	5.234G	90.13	Inf	-Inf	2.83	3	Vertical	299	2.96	-
AV	5.3852G	42.52	54.00	-11.48	3.01	3	Vertical	299	2.96	-
PK	5.1188G	55.29	74.00	-18.71	2.70	3	Vertical	299	2.96	-
PK	5.2382G	99.52	Inf	-Inf	2.84	3	Vertical	299	2.96	-
PK	5.3864G	54.51	74.00	-19.49	3.01	3	Vertical	299	2.96	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5240MHz_TX

24/01/2019

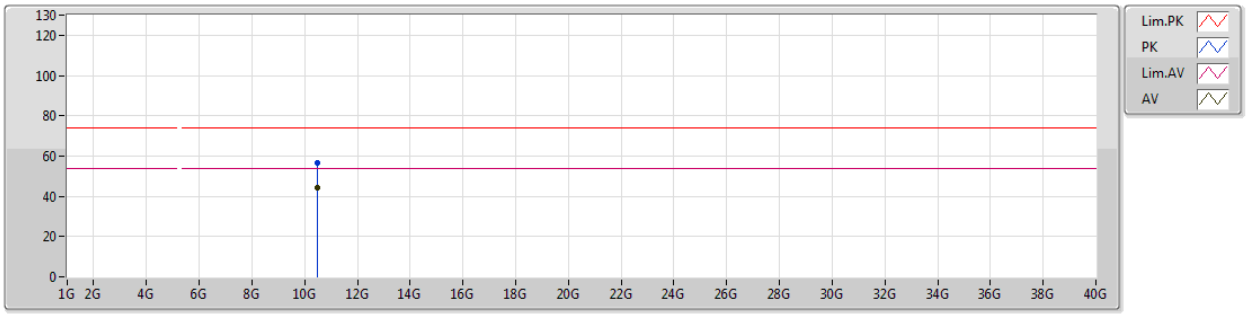


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.0918G	44.23	54.00	-9.77	2.67	3	Horizontal	102	2.16	-
AV	5.234G	100.33	Inf	-Inf	2.83	3	Horizontal	102	2.16	-
AV	5.3822G	44.89	54.00	-9.11	3.01	3	Horizontal	102	2.16	-
PK	5.0984G	56.29	74.00	-17.71	2.68	3	Horizontal	102	2.16	-
PK	5.2412G	109.42	Inf	-Inf	2.84	3	Horizontal	102	2.16	-
PK	5.3828G	56.31	74.00	-17.69	3.01	3	Horizontal	102	2.16	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

24/01/2019

5240MHz_TX

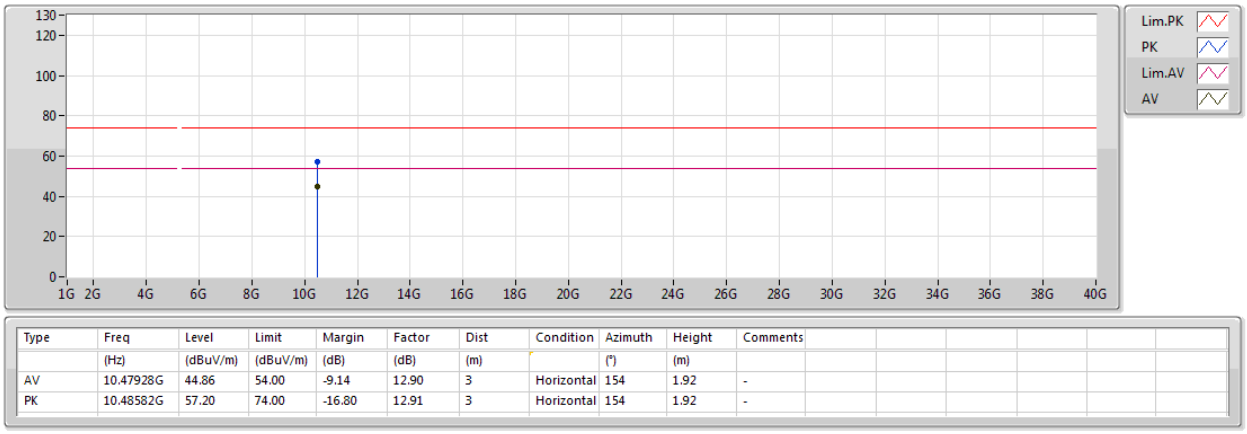


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.47958G	44.30	54.00	-9.70	12.90	3	Vertical	0	1.93	-
PK	10.48096G	56.67	74.00	-17.33	12.90	3	Vertical	0	1.93	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5240MHz_TX

24/01/2019

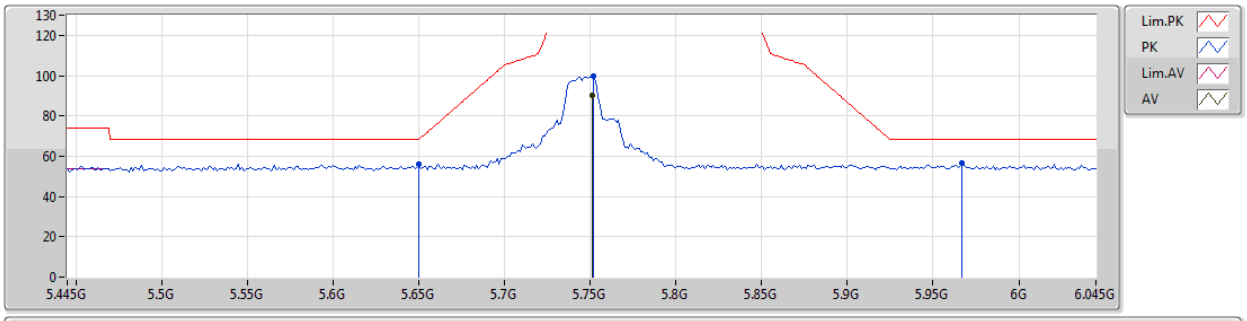


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.47928G	44.86	54.00	-9.14	12.90	3	Horizontal	154	1.92	-
PK	10.48582G	57.20	74.00	-16.80	12.91	3	Horizontal	154	1.92	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5745MHz_TX

24/01/2019

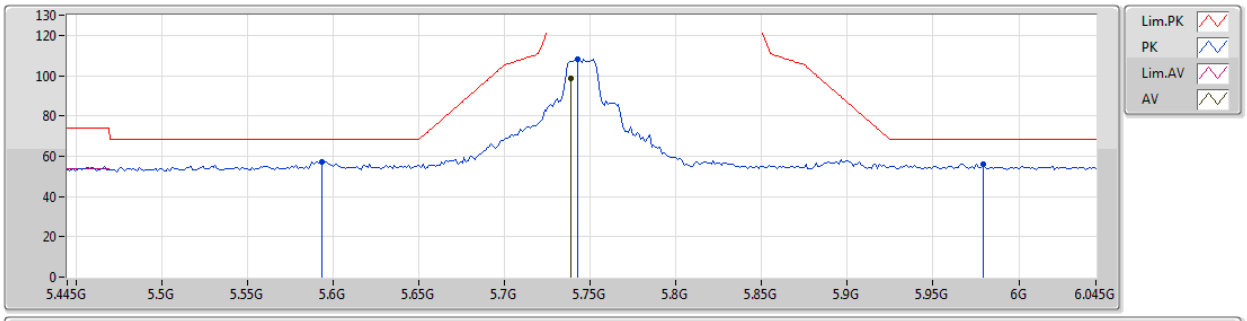


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.751G	90.48	Inf	-Inf	3.64	3	Vertical	136	2.99	-
PK	5.6502G	56.29	68.35	-12.06	3.44	3	Vertical	136	2.99	-
PK	5.7522G	99.74	Inf	-Inf	3.64	3	Vertical	136	2.99	-
PK	5.967G	56.33	68.20	-11.87	4.06	3	Vertical	136	2.99	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

24/01/2019

5745MHz_TX

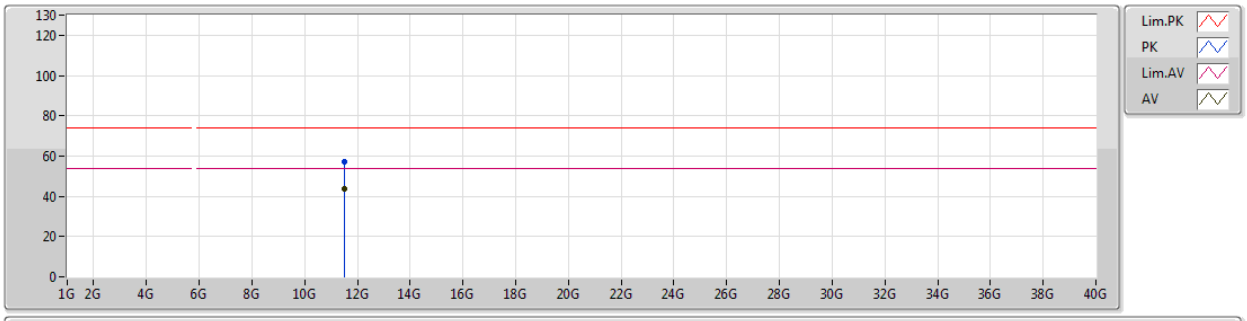


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.739G	98.89	Inf	-Inf	3.61	3	Horizontal	196	2.44	-
PK	5.5938G	57.19	68.20	-11.01	3.33	3	Horizontal	196	2.44	-
PK	5.7426G	108.09	Inf	-Inf	3.62	3	Horizontal	196	2.44	-
PK	5.979G	56.06	68.20	-12.14	4.09	3	Horizontal	196	2.44	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

24/01/2019

5745MHz_TX

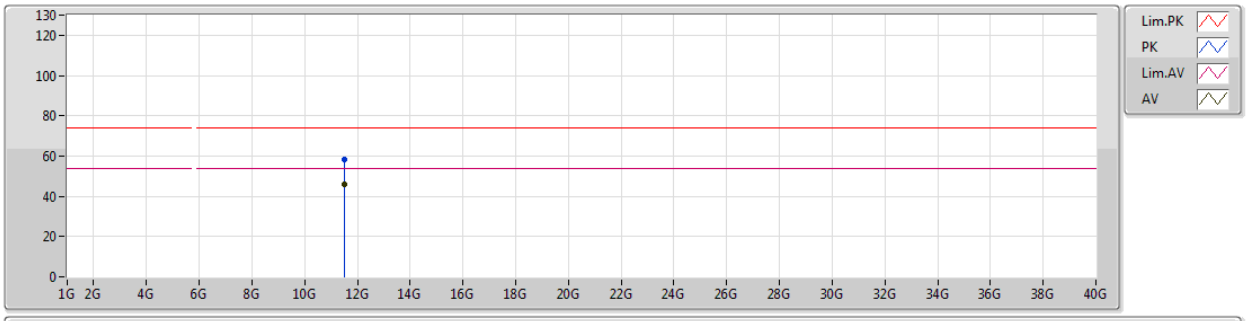


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.49048G	43.90	54.00	-10.10	13.58	3	Vertical	229	1.01	-
PK	11.49132G	56.96	74.00	-17.04	13.58	3	Vertical	229	1.01	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

24/01/2019

5745MHz_TX

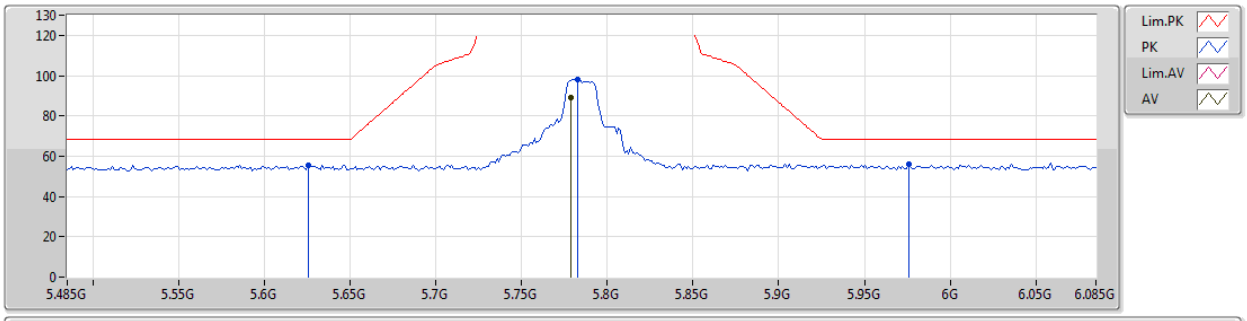


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.48952G	46.03	54.00	-7.97	13.58	3	Horizontal	52	1.02	-
PK	11.48916G	58.54	74.00	-15.46	13.59	3	Horizontal	52	1.02	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

24/01/2019

5785MHz_TX

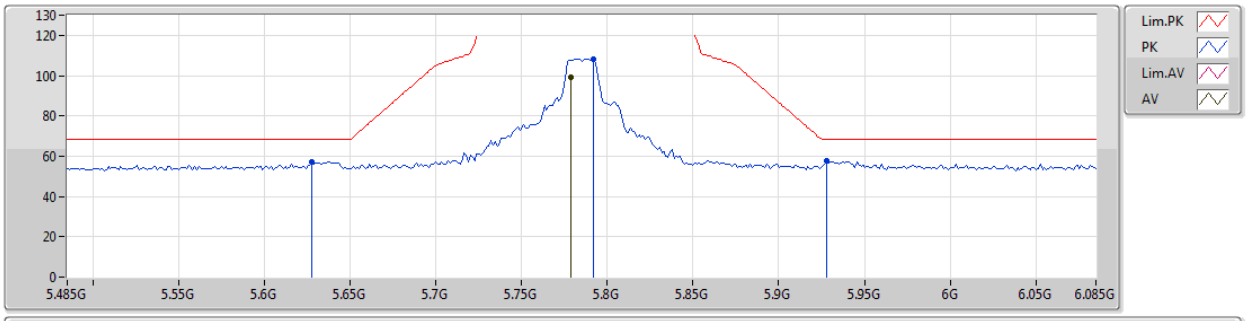


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.779G	89.20	Inf	-Inf	3.69	3	Vertical	303	2.63	-
PK	5.6254G	55.63	68.20	-12.57	3.40	3	Vertical	303	2.63	-
PK	5.7826G	98.08	Inf	-Inf	3.70	3	Vertical	303	2.63	-
PK	5.9758G	56.14	68.20	-12.06	4.08	3	Vertical	303	2.63	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

24/01/2019

5785MHz_TX

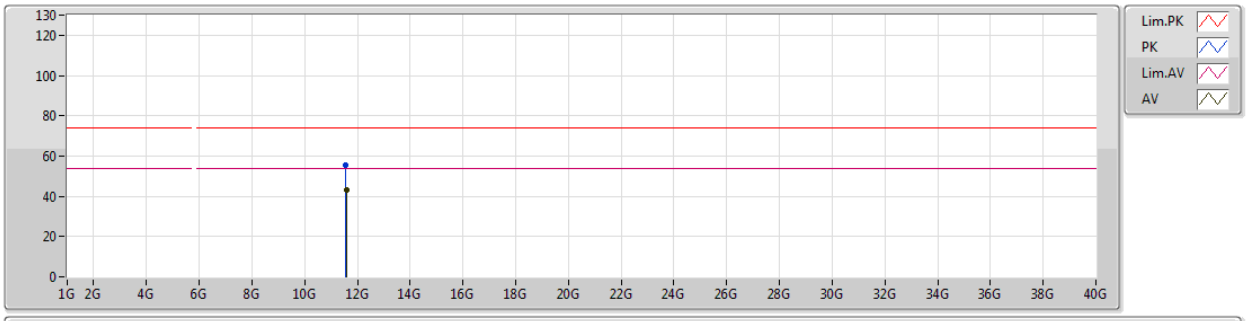


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.779G	99.28	Inf	-Inf	3.69	3	Horizontal	172	2.33	-
PK	5.6278G	57.34	68.20	-10.86	3.40	3	Horizontal	172	2.33	-
PK	5.7922G	108.12	Inf	-Inf	3.71	3	Horizontal	172	2.33	-
PK	5.9278G	57.75	68.20	-10.45	3.99	3	Horizontal	172	2.33	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

24/01/2019

5785MHz_TX

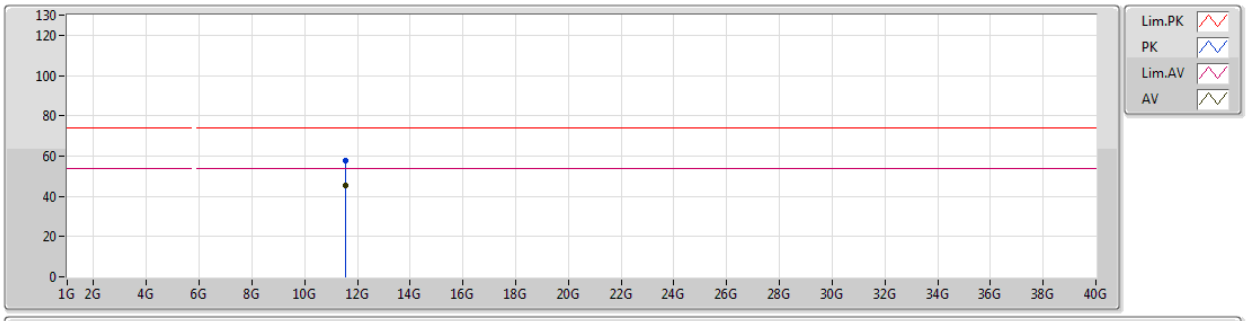


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.57372G	42.92	54.00	-11.08	13.51	3	Vertical	349	2.96	-
PK	11.56946G	55.55	74.00	-18.45	13.50	3	Vertical	349	2.96	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

24/01/2019

5785MHz_TX

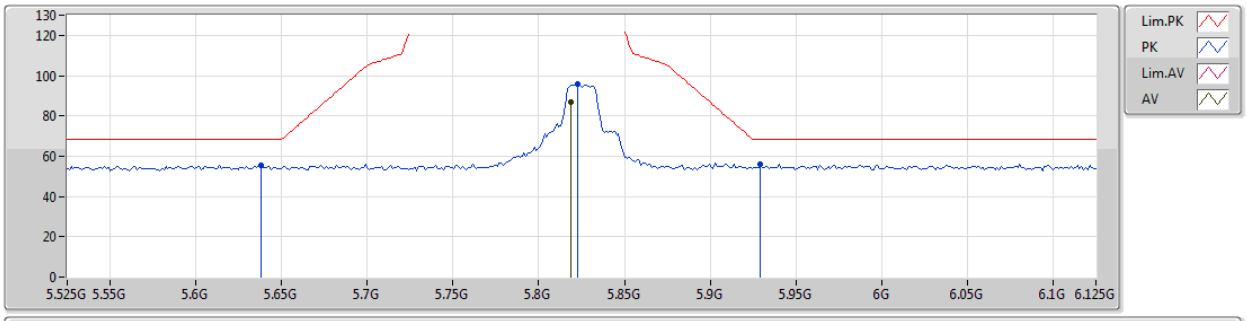


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.5691G	45.16	54.00	-8.84	13.50	3	Horizontal	50	1.98	-
PK	11.5709G	57.61	74.00	-16.39	13.51	3	Horizontal	50	1.98	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5825MHz_TX

24/01/2019

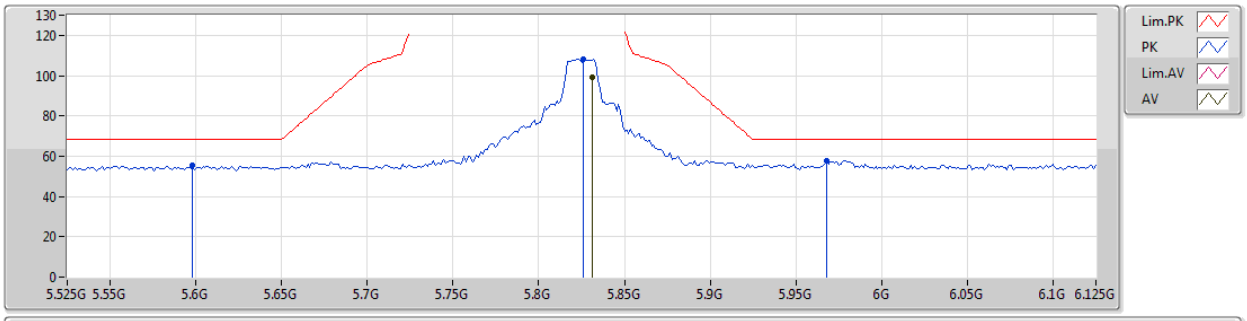


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.819G	86.74	Inf	-Inf	3.77	3	Vertical	324	2.30	-
PK	5.6378G	55.68	68.20	-12.52	3.42	3	Vertical	324	2.30	-
PK	5.8226G	95.64	Inf	-Inf	3.78	3	Vertical	324	2.30	-
PK	5.9294G	55.83	68.20	-12.37	3.99	3	Vertical	324	2.30	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5825MHz_TX

24/01/2019

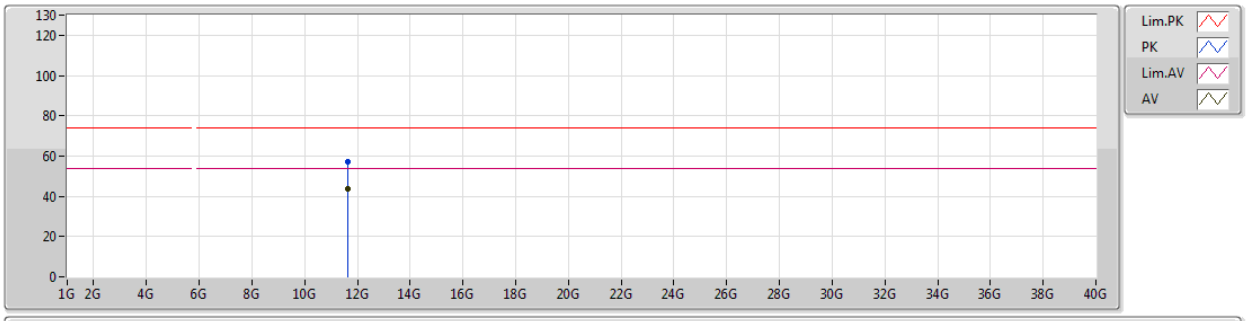


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.831G	99.28	Inf	-Inf	3.79	3	Horizontal	171	2.44	-
PK	5.5982G	55.22	68.20	-12.98	3.34	3	Horizontal	171	2.44	-
PK	5.8262G	108.16	Inf	-Inf	3.79	3	Horizontal	171	2.44	-
PK	5.9678G	57.89	68.20	-10.31	4.06	3	Horizontal	171	2.44	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

24/01/2019

5825MHz_TX

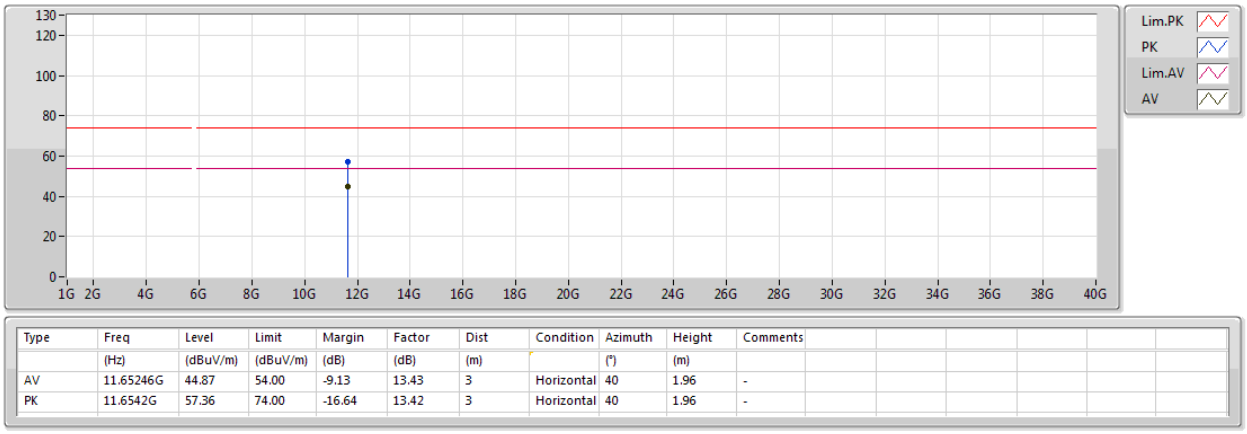


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.653G	43.92	54.00	-10.08	13.43	3	Vertical	163	2.96	-
PK	11.65198G	56.91	74.00	-17.09	13.43	3	Vertical	163	2.96	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5825MHz_TX

24/01/2019

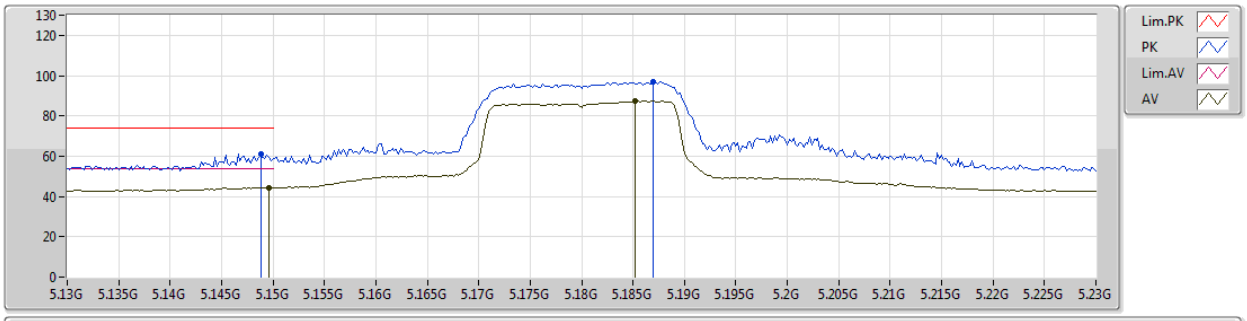


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.65246G	44.87	54.00	-9.13	13.43	3	Horizontal	40	1.96	-
PK	11.6542G	57.36	74.00	-16.64	13.42	3	Horizontal	40	1.96	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5180MHz_TX

24/01/2019

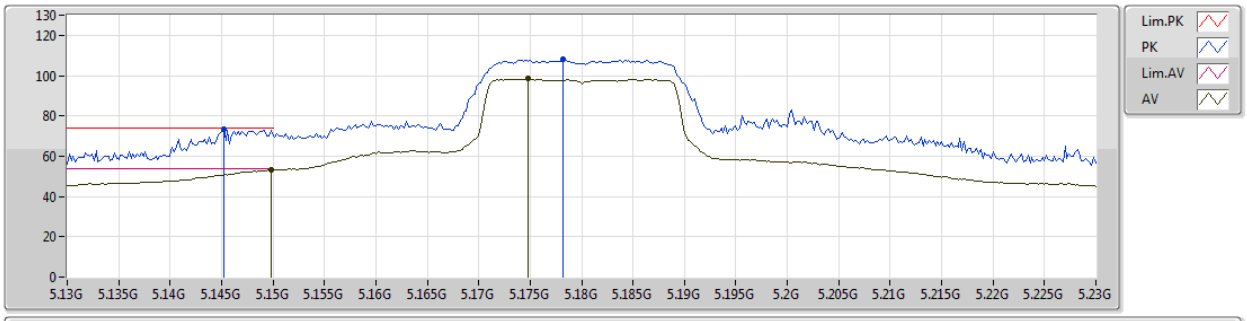


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1496G	44.53	54.00	-9.47	2.74	3	Vertical	300	2.71	-
AV	5.1852G	87.36	Inf	-Inf	2.78	3	Vertical	300	2.71	-
PK	5.1488G	61.26	74.00	-12.74	2.74	3	Vertical	300	2.71	-
PK	5.187G	97.15	Inf	-Inf	2.78	3	Vertical	300	2.71	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5180MHz_TX

24/01/2019

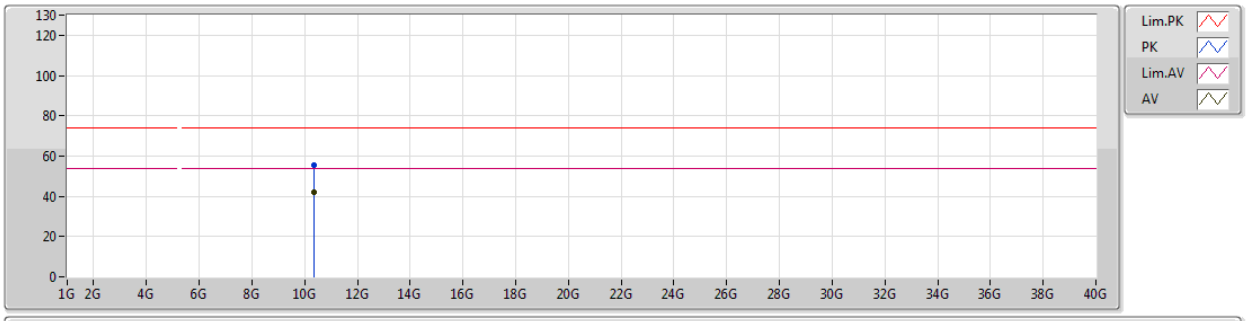


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1498G	53.11	54.00	-0.89	2.74	3	Horizontal	101	2.19	-
AV	5.1748G	98.40	Inf	-Inf	2.76	3	Horizontal	101	2.19	-
PK	5.1452G	73.13	74.00	-0.87	2.74	3	Horizontal	101	2.19	-
PK	5.1782G	108.11	Inf	-Inf	2.77	3	Horizontal	101	2.19	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

24/01/2019

5180MHz_TX

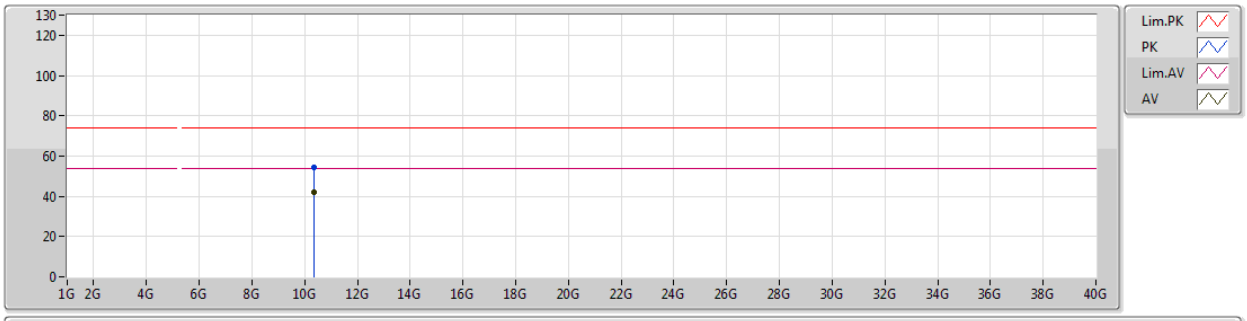


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.35298G	42.02	54.00	-11.98	12.62	3	Vertical	0	1.50	-
PK	10.36216G	55.46	74.00	-18.54	12.64	3	Vertical	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5180MHz_TX

24/01/2019

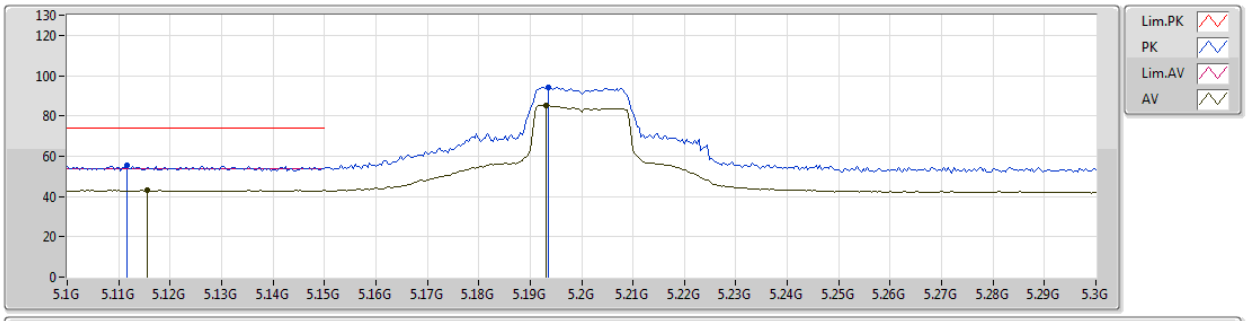


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.36018G	42.21	54.00	-11.79	12.63	3	Horizontal	71	1.92	-
PK	10.36666G	54.60	74.00	-19.40	12.64	3	Horizontal	71	1.92	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5200MHz_TX

24/01/2019

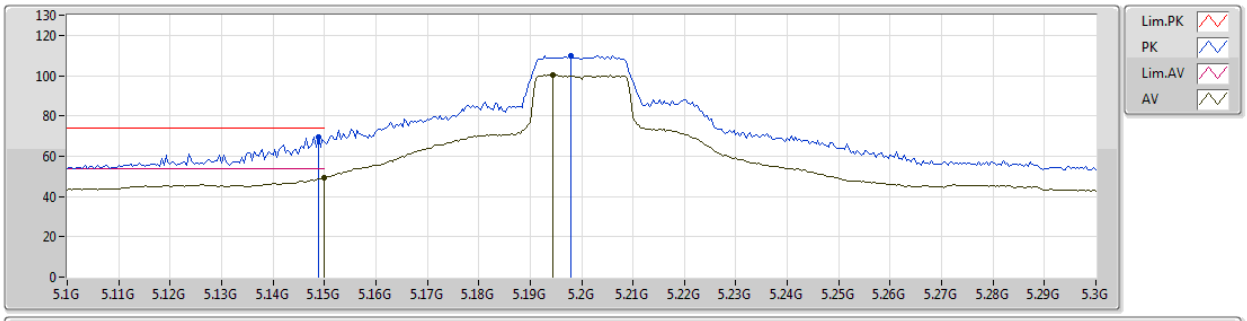


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1156G	43.07	54.00	-10.93	2.70	3	Vertical	150	2.96	-
AV	5.1932G	85.29	Inf	-Inf	2.80	3	Vertical	150	2.96	-
PK	5.1116G	55.32	74.00	-18.68	2.70	3	Vertical	150	2.96	-
PK	5.1936G	94.29	Inf	-Inf	2.80	3	Vertical	150	2.96	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5200MHz_TX

24/01/2019

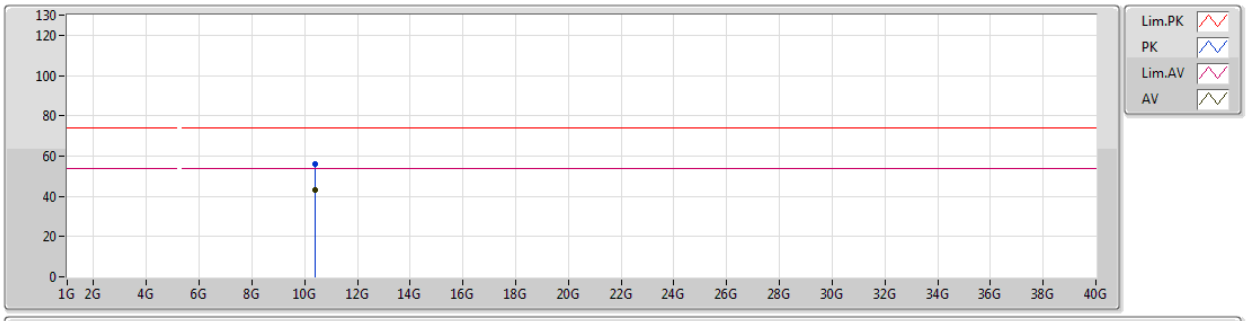


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	49.13	54.00	-4.87	2.74	3	Horizontal	99	2.19	-
AV	5.1944G	100.17	Inf	-Inf	2.80	3	Horizontal	99	2.19	-
PK	5.1488G	69.63	74.00	-4.37	2.74	3	Horizontal	99	2.19	-
PK	5.198G	110.00	Inf	-Inf	2.80	3	Horizontal	99	2.19	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5200MHz_TX

24/01/2019

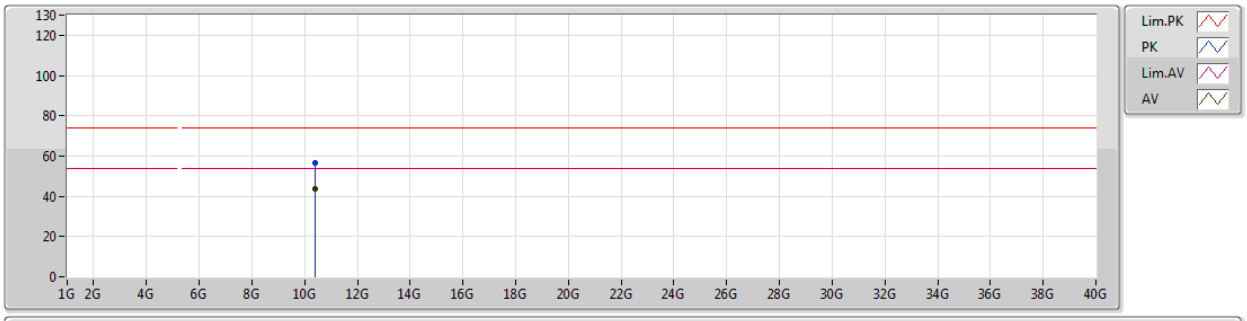


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.39904G	43.36	54.00	-10.64	12.73	3	Vertical	359	2.85	-
PK	10.39628G	56.23	74.00	-17.77	12.71	3	Vertical	359	2.85	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5200MHz_TX

24/01/2019

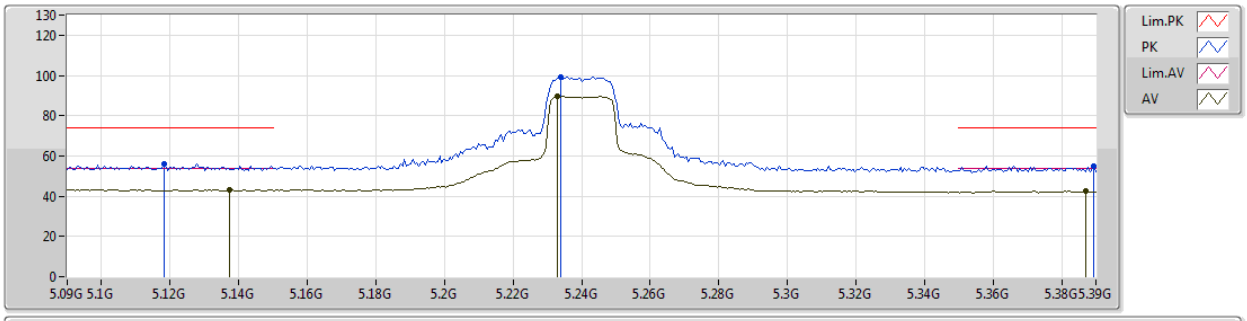


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.39928G	43.86	54.00	-10.14	12.73	3	Horizontal	36	1.95	-
PK	10.3931G	56.66	74.00	-17.34	12.71	3	Horizontal	36	1.95	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

24/01/2019

5240MHz_TX

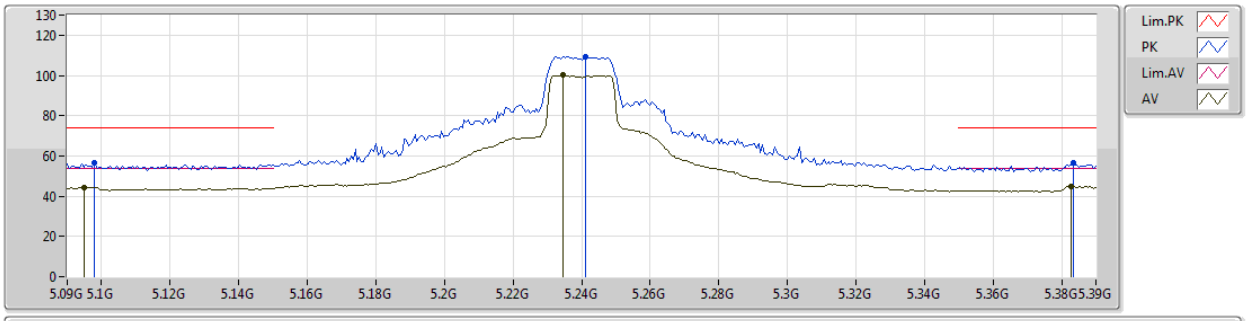


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1374G	43.33	54.00	-10.67	2.73	3	Vertical	135	2.78	-
AV	5.2328G	89.46	Inf	-Inf	2.83	3	Vertical	135	2.78	-
AV	5.387G	42.69	54.00	-11.31	3.01	3	Vertical	135	2.78	-
PK	5.1182G	55.91	74.00	-18.09	2.70	3	Vertical	135	2.78	-
PK	5.234G	99.41	Inf	-Inf	2.83	3	Vertical	135	2.78	-
PK	5.3894G	55.10	74.00	-18.90	3.01	3	Vertical	135	2.78	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5240MHz_TX

24/01/2019

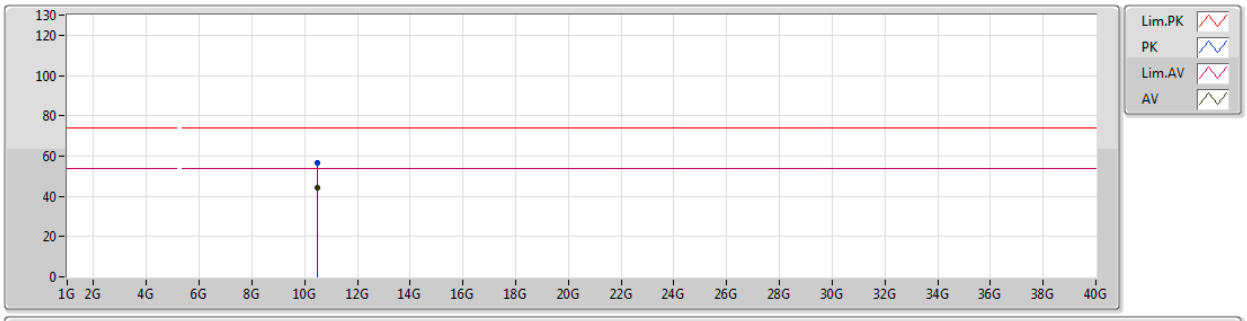


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.0948G	44.31	54.00	-9.69	2.68	3	Horizontal	98	2.15	-
AV	5.2346G	100.06	Inf	-Inf	2.83	3	Horizontal	98	2.15	-
AV	5.3828G	44.91	54.00	-9.09	3.01	3	Horizontal	98	2.15	-
PK	5.0978G	56.42	74.00	-17.58	2.68	3	Horizontal	98	2.15	-
PK	5.2412G	109.30	Inf	-Inf	2.84	3	Horizontal	98	2.15	-
PK	5.3834G	56.58	74.00	-17.42	3.01	3	Horizontal	98	2.15	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

24/01/2019

5240MHz_TX

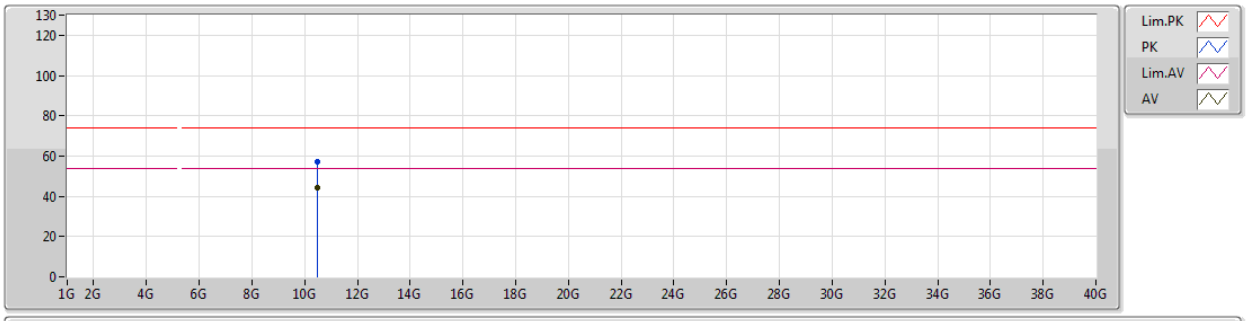


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.47898G	44.07	54.00	-9.93	12.90	3	Vertical	12	1.95	-
PK	10.47664G	56.83	74.00	-17.17	12.90	3	Vertical	12	1.95	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

24/01/2019

5240MHz_TX

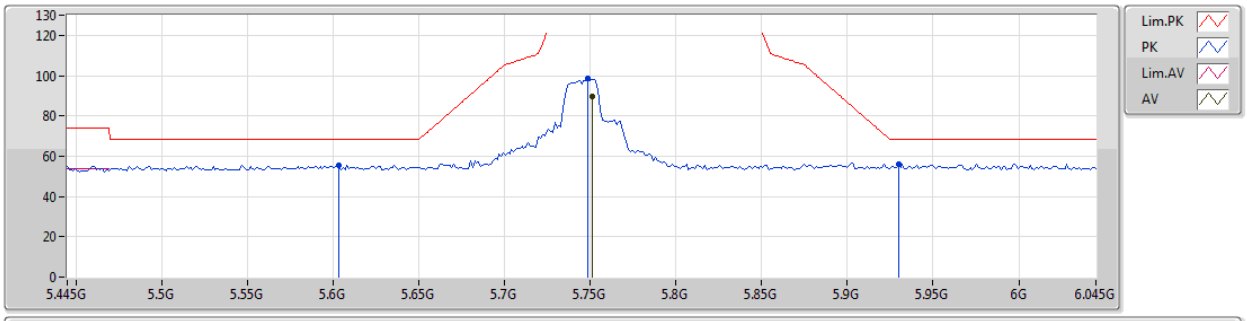


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.47946G	44.44	54.00	-9.56	12.90	3	Horizontal	151	1.80	-
PK	10.48G	57.33	74.00	-16.67	12.90	3	Horizontal	151	1.80	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5745MHz_TX

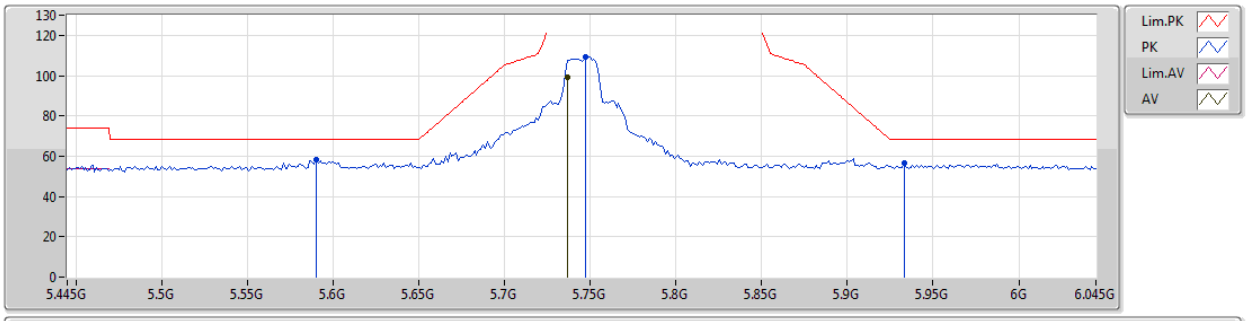


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.751G	89.40	Inf	-Inf	3.64	3	Vertical	136	2.99	-
PK	5.6034G	55.75	68.20	-12.45	3.34	3	Vertical	136	2.99	-
PK	5.7486G	98.62	Inf	-Inf	3.63	3	Vertical	136	2.99	-
PK	5.9298G	56.24	68.20	-11.96	3.99	3	Vertical	136	2.99	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5745MHz_TX

25/01/2019

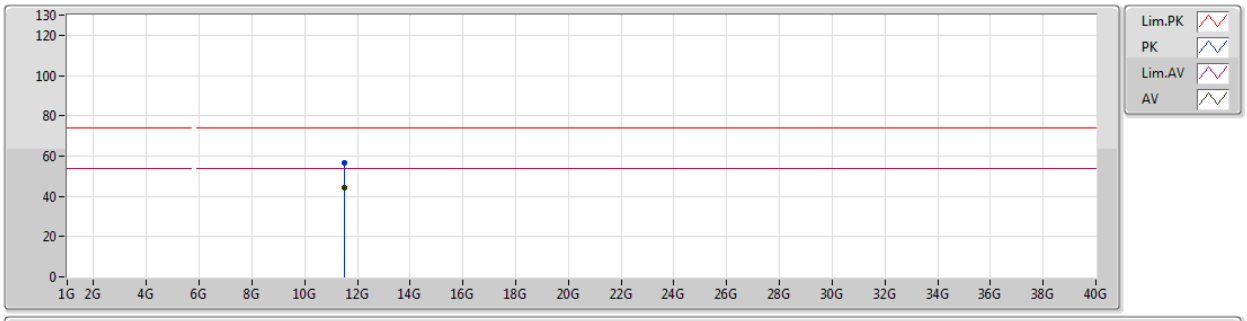


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7366G	99.33	Inf	-Inf	3.61	3	Horizontal	173	2.46	-
PK	5.5902G	58.42	68.20	-9.78	3.32	3	Horizontal	173	2.46	-
PK	5.7474G	109.34	Inf	-Inf	3.63	3	Horizontal	173	2.46	-
PK	5.9334G	56.35	68.20	-11.85	4.00	3	Horizontal	173	2.46	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5745MHz_TX

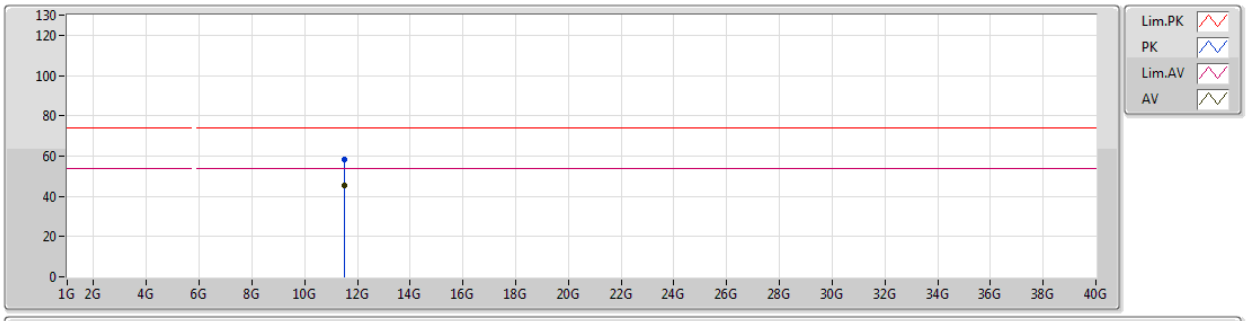


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.49228G	44.15	54.00	-9.85	13.58	3	Vertical	162	2.95	-
PK	11.49426G	56.46	74.00	-17.54	13.58	3	Vertical	162	2.95	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5745MHz_TX

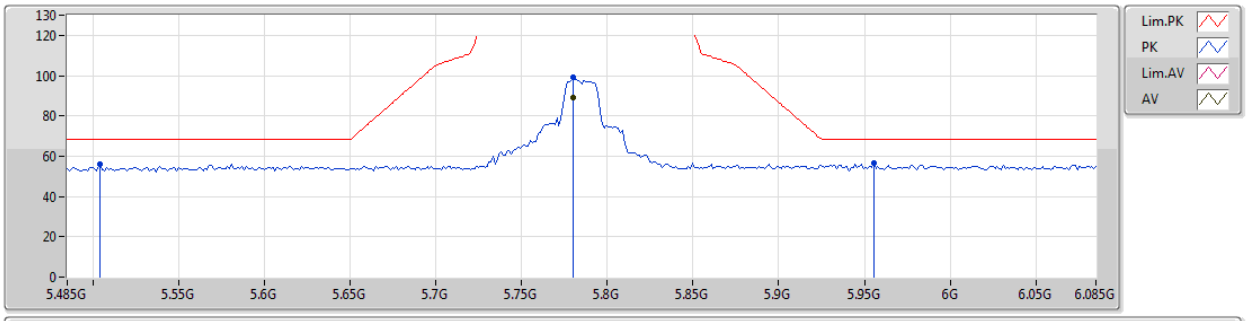


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.49024G	45.55	54.00	-8.45	13.58	3	Horizontal	48	1.85	-
PK	11.48736G	58.28	74.00	-15.72	13.59	3	Horizontal	48	1.85	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5785MHz_TX

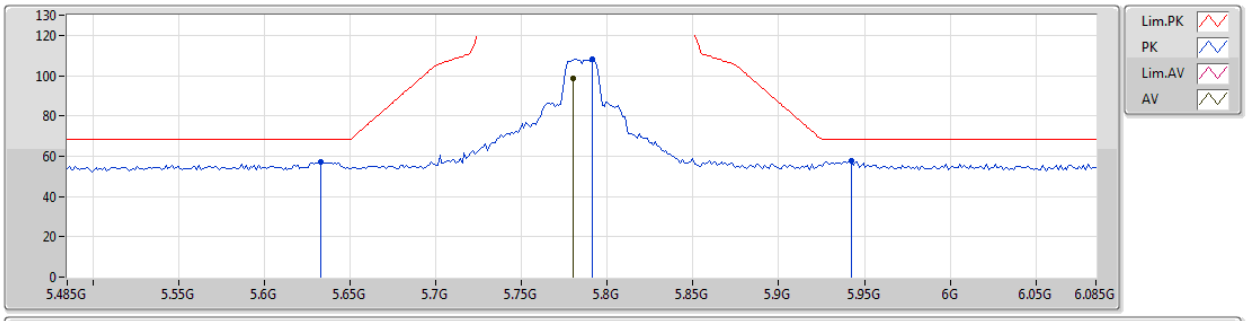


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7802G	88.91	Inf	-Inf	3.69	3	Vertical	304	2.63	-
PK	5.5042G	56.17	68.20	-12.03	3.15	3	Vertical	304	2.63	-
PK	5.7802G	99.11	Inf	-Inf	3.69	3	Vertical	304	2.63	-
PK	5.9554G	56.38	68.20	-11.82	4.04	3	Vertical	304	2.63	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5785MHz_TX

25/01/2019

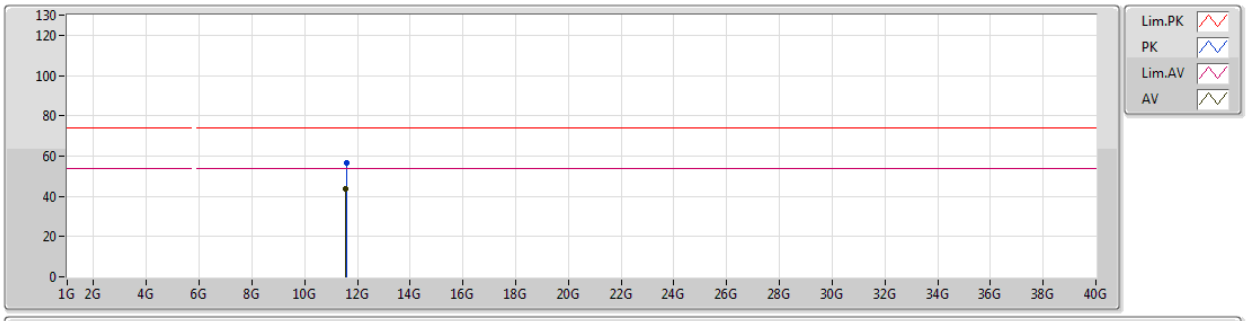


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7802G	98.70	Inf	-Inf	3.69	3	Horizontal	175	2.45	-
PK	5.6326G	57.11	68.20	-11.09	3.41	3	Horizontal	175	2.45	-
PK	5.791G	108.19	Inf	-Inf	3.71	3	Horizontal	175	2.45	-
PK	5.9422G	57.87	68.20	-10.33	4.02	3	Horizontal	175	2.45	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5785MHz_TX

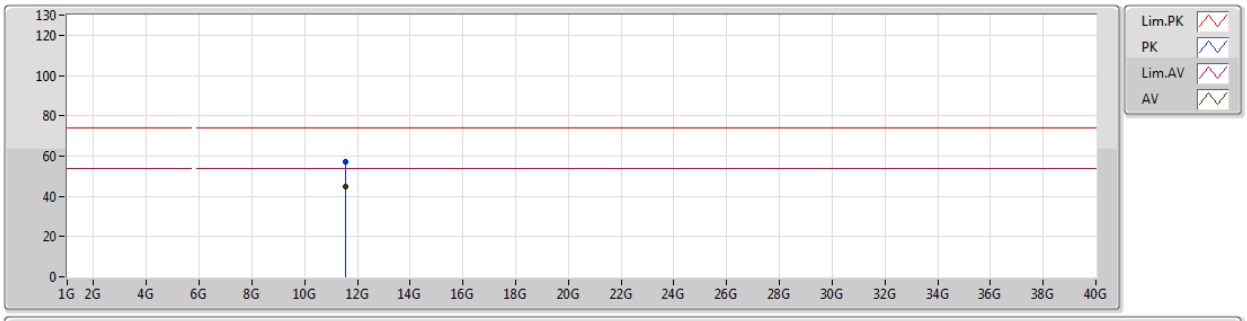


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.56904G	43.81	54.00	-10.19	13.50	3	Vertical	176	2.84	-
PK	11.57456G	56.46	74.00	-17.54	13.51	3	Vertical	176	2.84	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5785MHz_TX

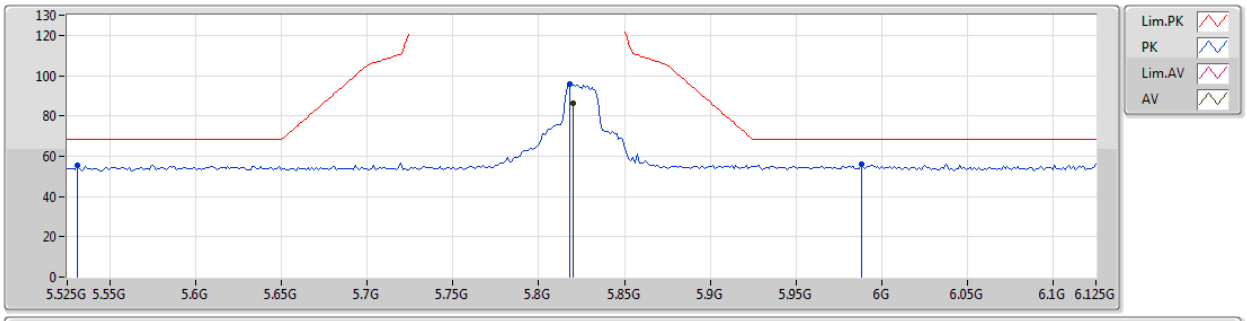


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.57084G	44.97	54.00	-9.03	13.51	3	Horizontal	51	1.81	-
PK	11.56892G	57.43	74.00	-16.57	13.50	3	Horizontal	51	1.81	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5825MHz_TX

25/01/2019

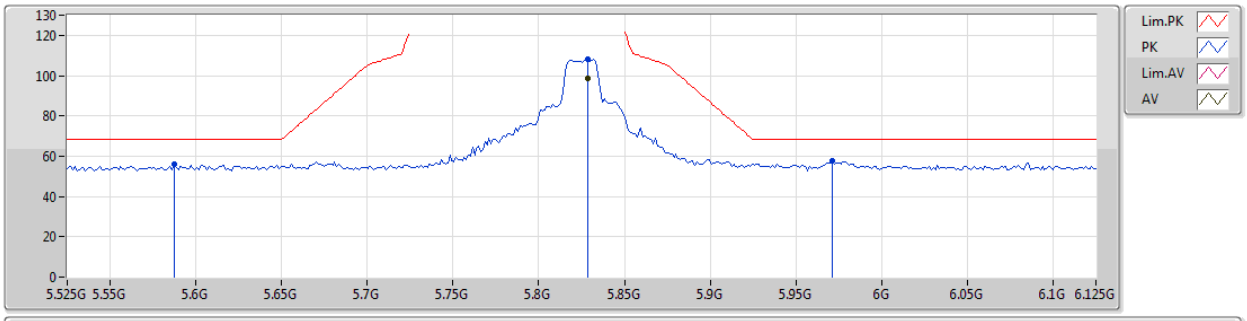


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8202G	86.11	Inf	-Inf	3.77	3	Vertical	341	2.19	-
PK	5.531G	55.70	68.20	-12.50	3.20	3	Vertical	341	2.19	-
PK	5.8178G	95.71	Inf	-Inf	3.76	3	Vertical	341	2.19	-
PK	5.9882G	56.02	68.20	-12.18	4.10	3	Vertical	341	2.19	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

5825MHz_TX

25/01/2019

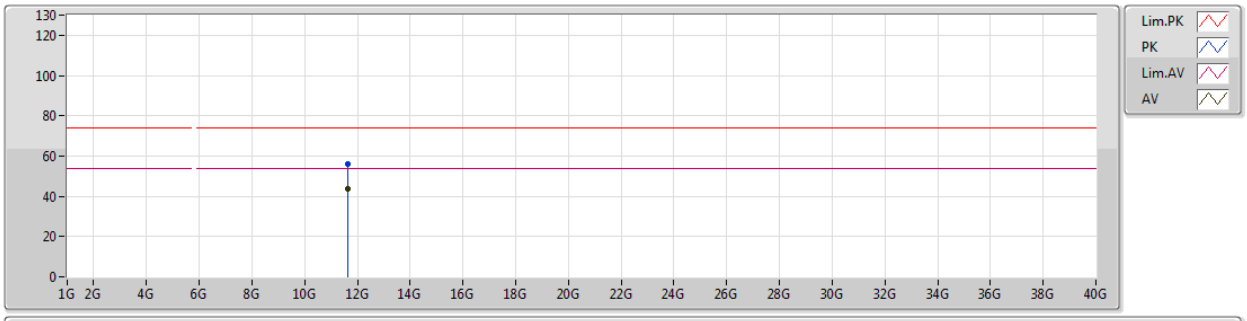


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.8286G	98.69	Inf	-Inf	3.79	3	Horizontal	175	2.31	-
PK	5.5874G	55.99	68.20	-12.21	3.31	3	Horizontal	175	2.31	-
PK	5.8286G	108.13	Inf	-Inf	3.79	3	Horizontal	175	2.31	-
PK	5.9714G	57.94	68.20	-10.26	4.07	3	Horizontal	175	2.31	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5825MHz_TX

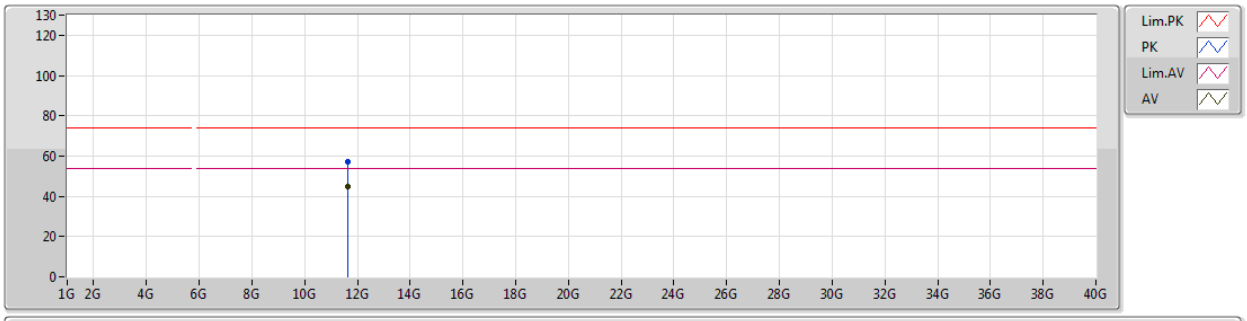


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.64898G	43.53	54.00	-10.47	13.43	3	Vertical	151	2.96	-
PK	11.65648G	55.76	74.00	-18.24	13.42	3	Vertical	151	2.96	-

802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5825MHz_TX

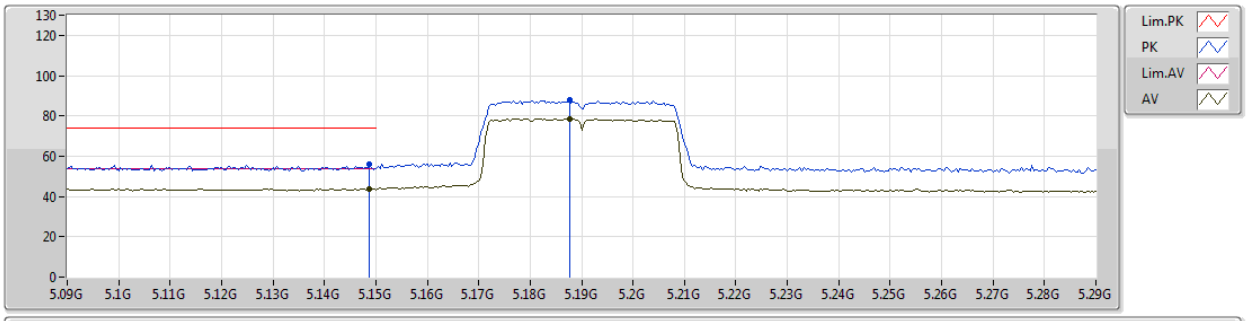


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.65186G	44.84	54.00	-9.16	13.43	3	Horizontal	57	1.92	-
PK	11.6533G	57.06	74.00	-16.94	13.43	3	Horizontal	57	1.92	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5190MHz_TX

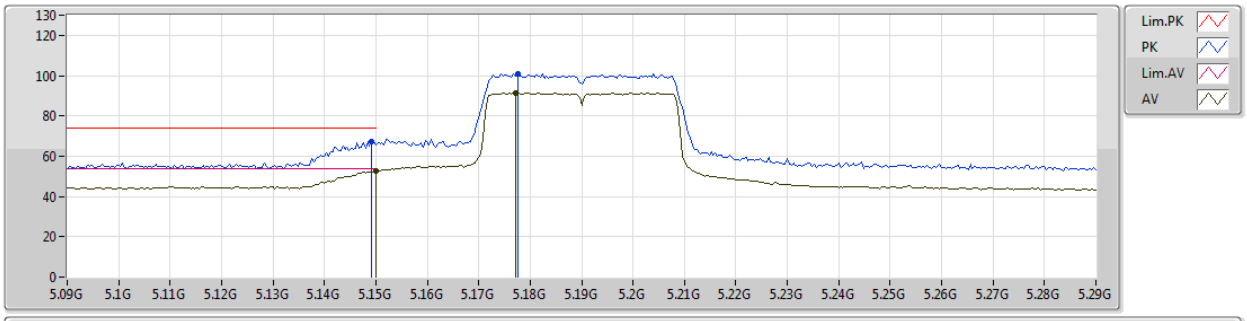


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1488G	43.92	54.00	-10.08	2.74	3	Vertical	298	2.84	-
AV	5.1876G	78.59	Inf	-Inf	2.78	3	Vertical	298	2.84	-
PK	5.1488G	56.03	74.00	-17.97	2.74	3	Vertical	298	2.84	-
PK	5.1876G	87.83	Inf	-Inf	2.78	3	Vertical	298	2.84	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

5190MHz_TX

25/01/2019

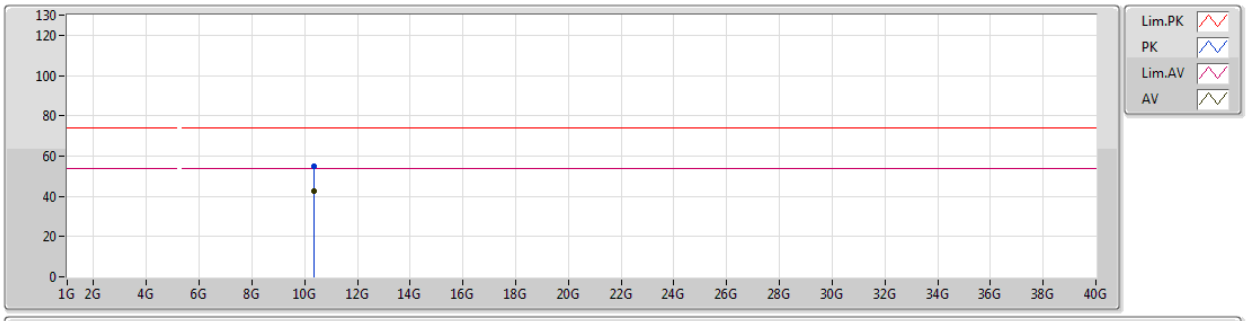


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	52.72	54.00	-1.28	2.74	3	Horizontal	104	2.19	-
AV	5.1772G	91.31	Inf	-Inf	2.77	3	Horizontal	104	2.19	-
PK	5.1492G	67.30	74.00	-6.70	2.74	3	Horizontal	104	2.19	-
PK	5.1776G	101.11	Inf	-Inf	2.77	3	Horizontal	104	2.19	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5190MHz_TX

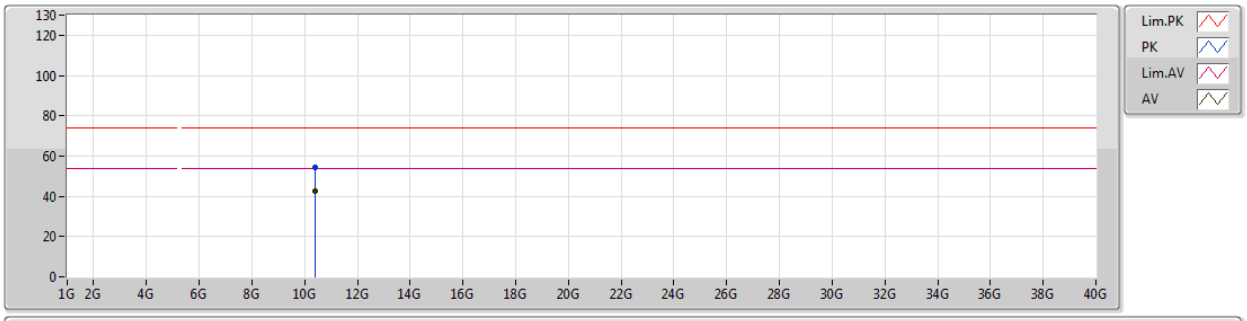


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.3707G	42.35	54.00	-11.65	12.66	3	Vertical	0	1.96	-
PK	10.36776G	54.81	74.00	-19.19	12.65	3	Vertical	0	1.96	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

5190MHz_TX

25/01/2019

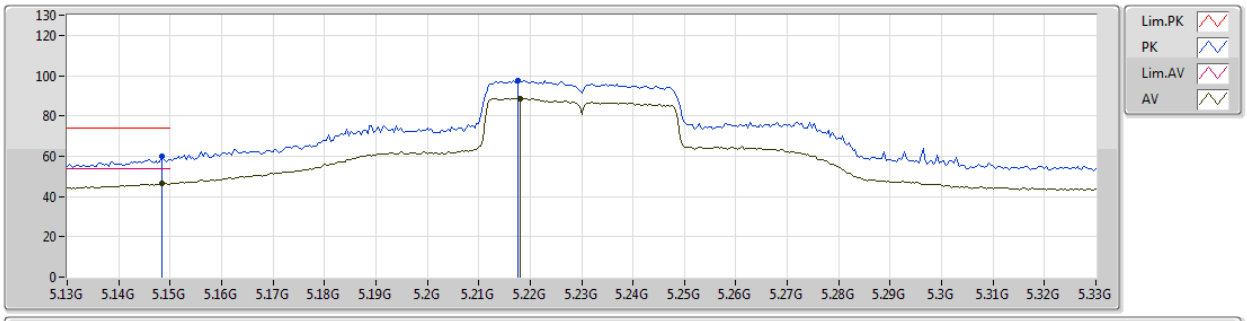


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.3944G	42.79	54.00	-11.21	12.71	3	Horizontal	152	2.45	-
PK	10.37976G	54.56	74.00	-19.44	12.67	3	Horizontal	152	2.45	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

5230MHz_TX

25/01/2019

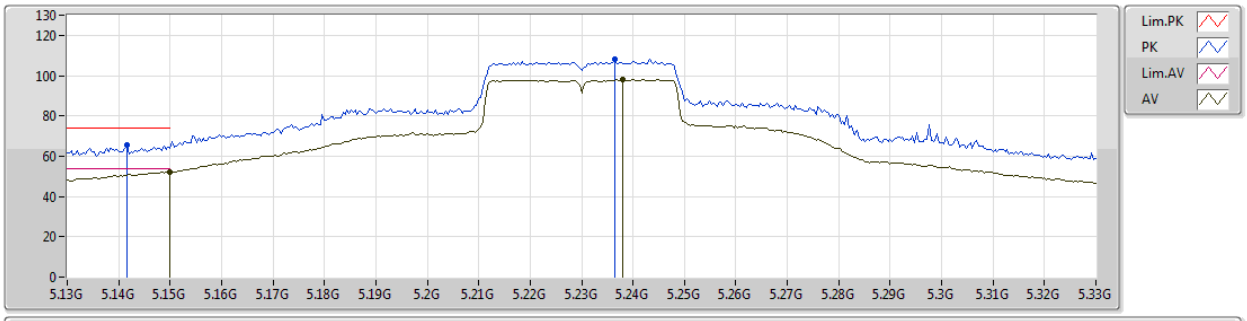


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.1484G	46.46	54.00	-7.54	2.74	3	Vertical	140	2.99	-
AV	5.218G	88.63	Inf	-Inf	2.82	3	Vertical	140	2.99	-
PK	5.1484G	59.73	74.00	-14.27	2.74	3	Vertical	140	2.99	-
PK	5.2176G	97.45	Inf	-Inf	2.82	3	Vertical	140	2.99	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5230MHz_TX

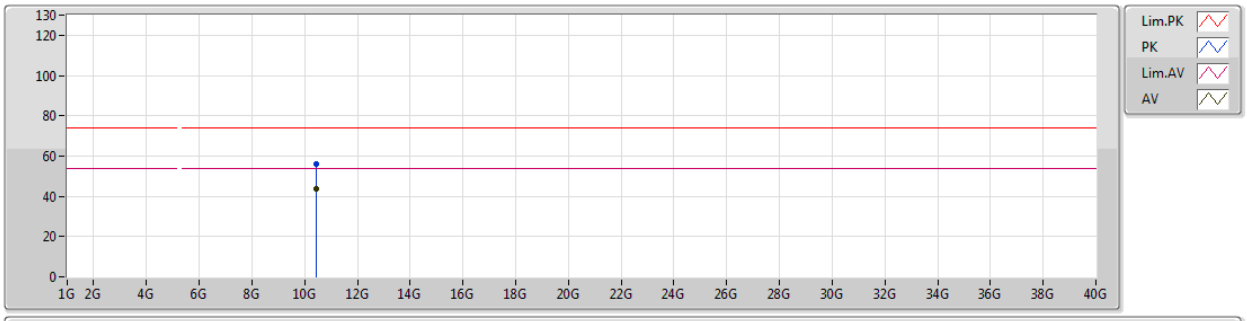


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.15G	52.28	54.00	-1.72	2.74	3	Horizontal	103	2.16	-
AV	5.238G	98.04	Inf	-Inf	2.84	3	Horizontal	103	2.16	-
PK	5.1416G	65.40	74.00	-8.60	2.73	3	Horizontal	103	2.16	-
PK	5.2364G	108.16	Inf	-Inf	2.84	3	Horizontal	103	2.16	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5230MHz_TX

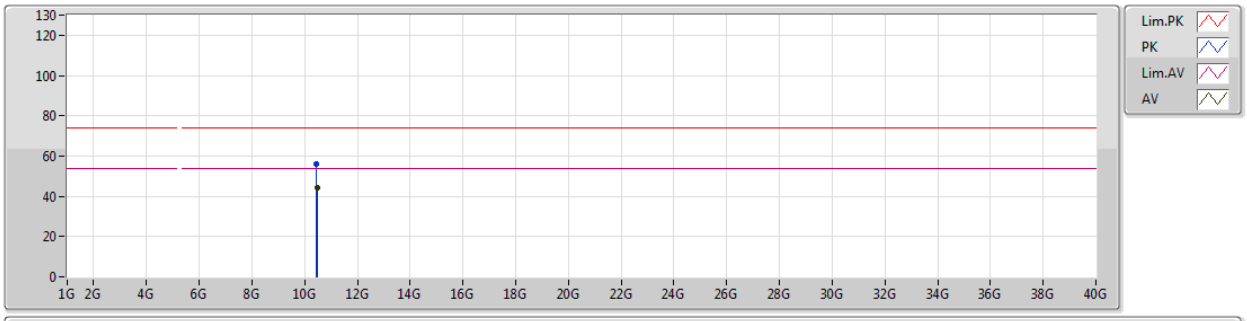


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.4603G	43.43	54.00	-10.57	12.84	3	Vertical	359	2.75	-
PK	10.44632G	55.84	74.00	-18.16	12.82	3	Vertical	359	2.75	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5230MHz_TX

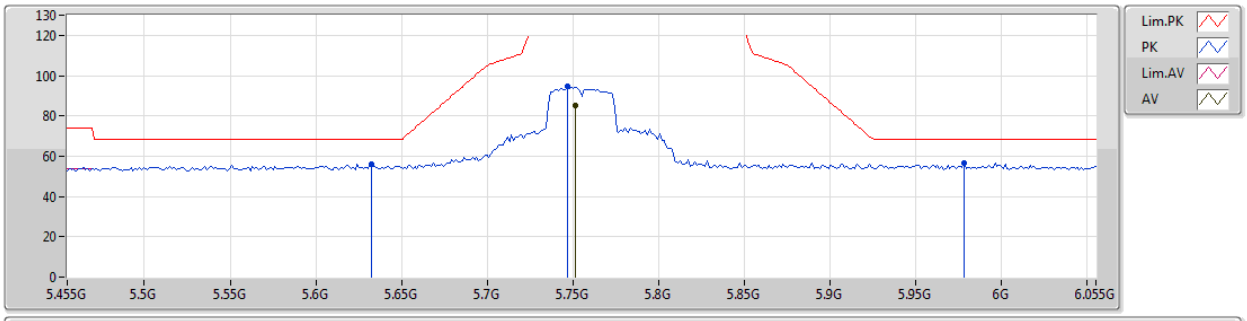


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.46282G	44.05	54.00	-9.95	12.86	3	Horizontal	156	2.06	-
PK	10.45766G	55.95	74.00	-18.05	12.84	3	Horizontal	156	2.06	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5755MHz_TX

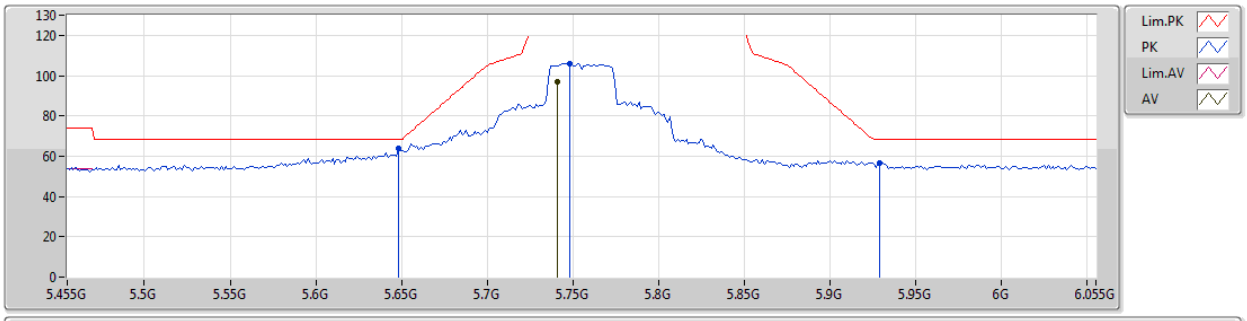


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7514G	85.12	Inf	-Inf	3.64	3	Vertical	148	2.99	-
PK	5.6326G	56.07	68.20	-12.13	3.41	3	Vertical	148	2.99	-
PK	5.7466G	94.63	Inf	-Inf	3.63	3	Vertical	148	2.99	-
PK	5.9782G	56.47	68.20	-11.73	4.08	3	Vertical	148	2.99	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5755MHz_TX

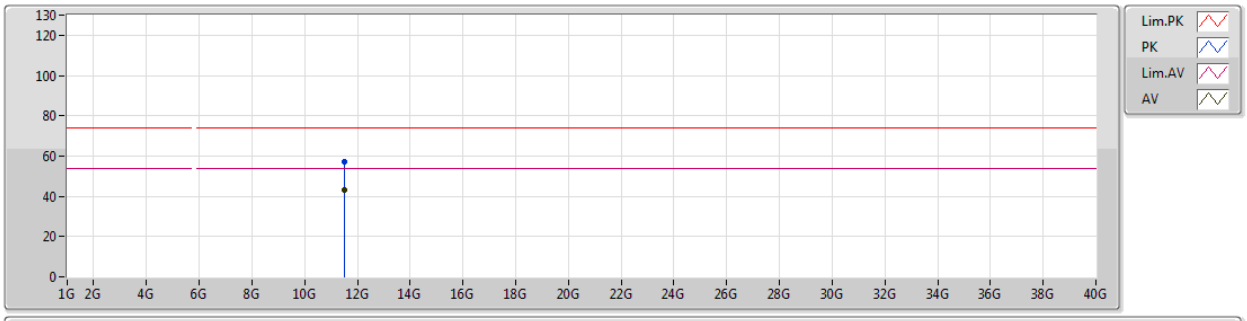


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7406G	97.20	Inf	-Inf	3.62	3	Horizontal	172	2.60	-
PK	5.6482G	64.13	68.20	-4.07	3.44	3	Horizontal	172	2.60	-
PK	5.7478G	105.96	Inf	-Inf	3.63	3	Horizontal	172	2.60	-
PK	5.929G	56.60	68.20	-11.60	3.99	3	Horizontal	172	2.60	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5755MHz_TX

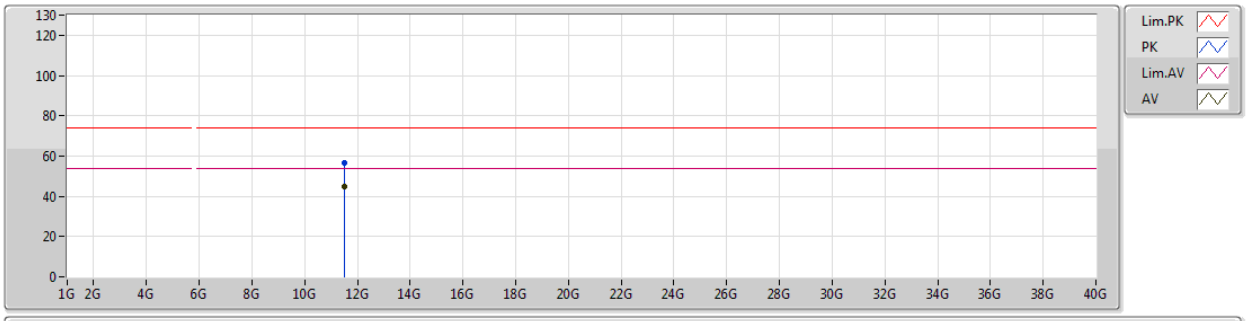


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.50064G	43.04	54.00	-10.96	13.57	3	Vertical	302	1.70	-
PK	11.49992G	57.01	74.00	-17.99	13.57	3	Vertical	302	1.70	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5755MHz_TX

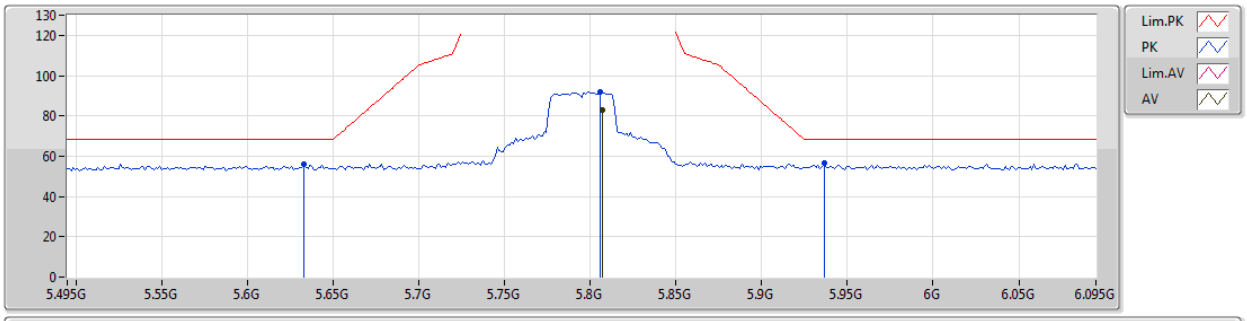


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.5031G	44.69	54.00	-9.31	13.57	3	Horizontal	92	2.06	-
PK	11.5166G	56.87	74.00	-17.13	13.55	3	Horizontal	92	2.06	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5795MHz_TX

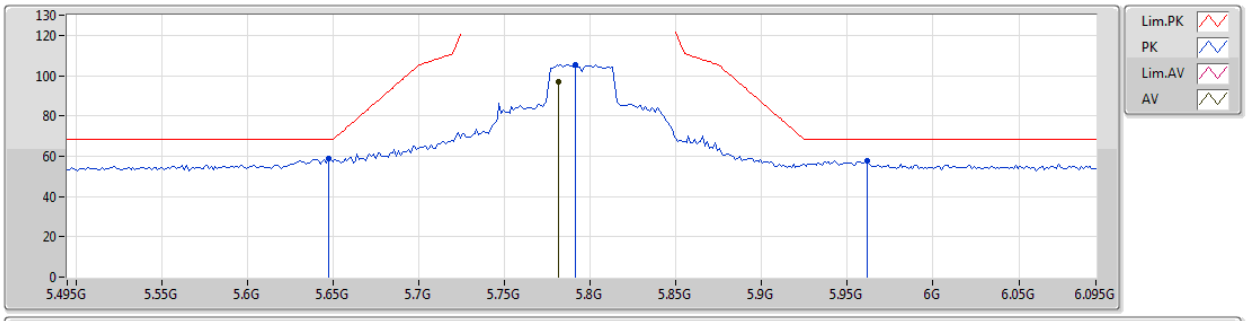


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.807G	82.97	Inf	-Inf	3.74	3	Vertical	320	2.62	-
PK	5.633G	56.20	68.20	-12.00	3.41	3	Vertical	320	2.62	-
PK	5.8058G	91.83	Inf	-Inf	3.74	3	Vertical	320	2.62	-
PK	5.9366G	56.49	68.20	-11.71	4.01	3	Vertical	320	2.62	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5795MHz_TX

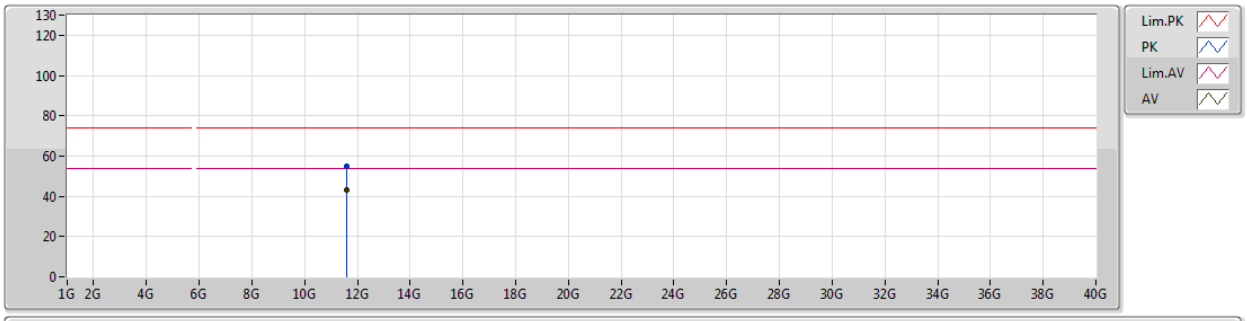


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7818G	96.80	Inf	-Inf	3.69	3	Horizontal	176	2.34	-
PK	5.6474G	58.61	68.20	-9.59	3.44	3	Horizontal	176	2.34	-
PK	5.7914G	105.58	Inf	-Inf	3.71	3	Horizontal	176	2.34	-
PK	5.9618G	57.77	68.20	-10.43	4.05	3	Horizontal	176	2.34	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5795MHz_TX

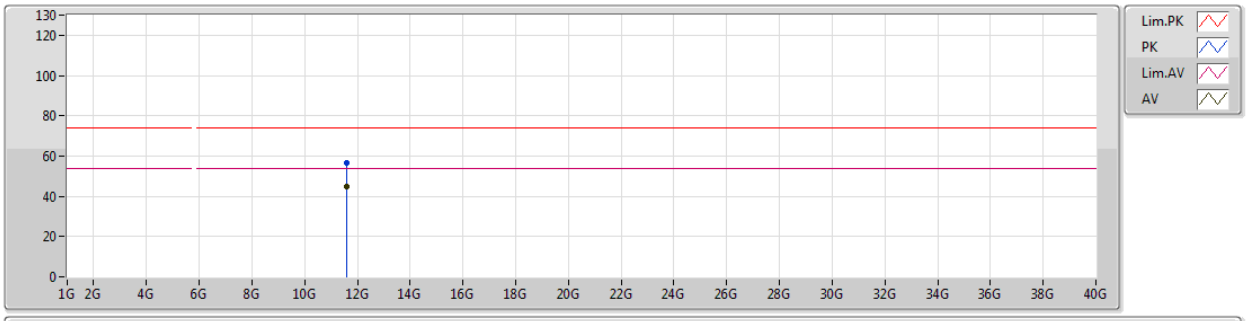


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.58382G	42.99	54.00	-11.01	13.49	3	Vertical	224	1.01	-
PK	11.58742G	55.12	74.00	-18.88	13.49	3	Vertical	224	1.01	-

802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5795MHz_TX

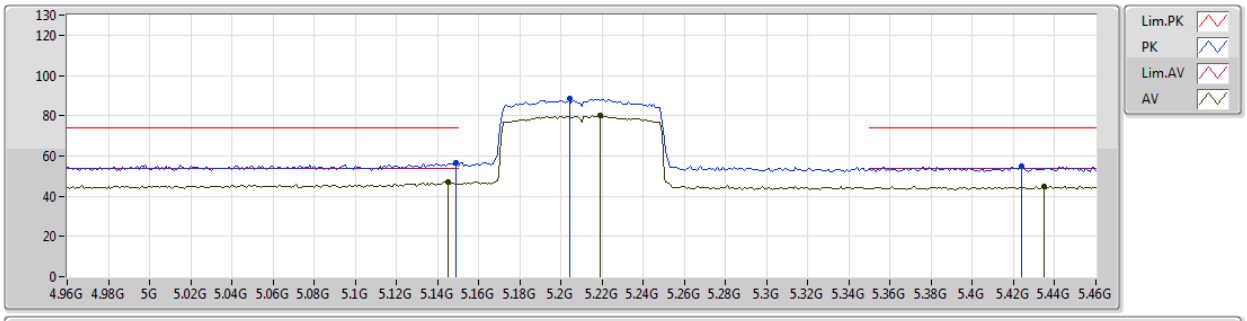


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.59288G	44.77	54.00	-9.23	13.49	3	Horizontal	55	1.89	-
PK	11.59168G	56.78	74.00	-17.22	13.49	3	Horizontal	55	1.89	-

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

5210MHz_TX

25/01/2019

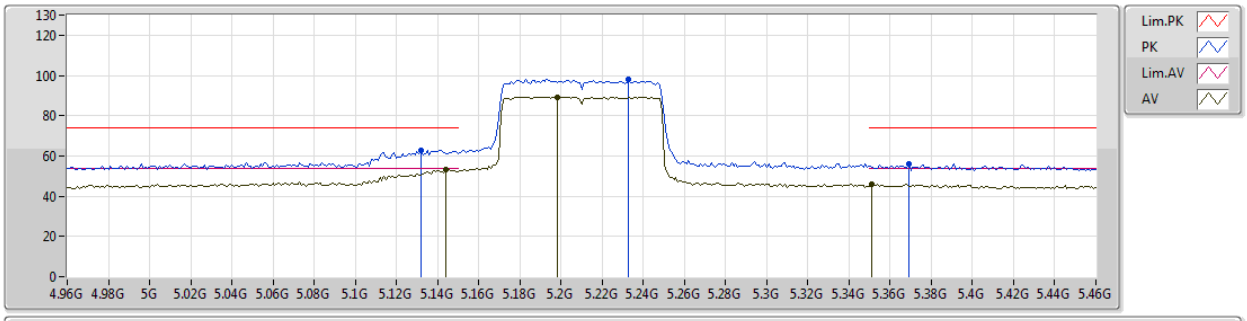


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.145G	46.88	54.00	-7.12	2.74	3	Vertical	142	2.97	-
AV	5.219G	80.00	Inf	-Inf	2.82	3	Vertical	142	2.97	-
AV	5.435G	45.09	54.00	-8.91	3.06	3	Vertical	142	2.97	-
PK	5.149G	56.45	74.00	-17.55	2.74	3	Vertical	142	2.97	-
PK	5.204G	88.61	Inf	-Inf	2.80	3	Vertical	142	2.97	-
PK	5.424G	54.82	74.00	-19.18	3.06	3	Vertical	142	2.97	-

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

5210MHz_TX

25/01/2019

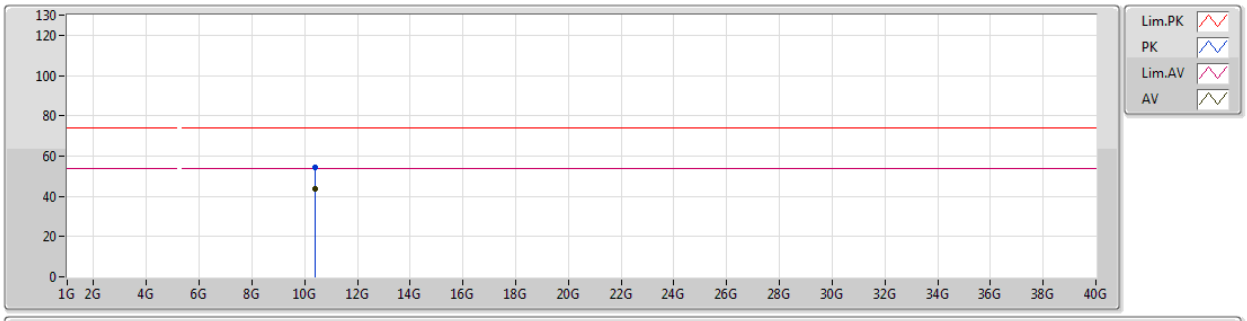


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.144G	53.09	54.00	-0.91	2.74	3	Horizontal	103	2.18	-
AV	5.198G	89.35	Inf	-Inf	2.80	3	Horizontal	103	2.18	-
AV	5.351G	45.87	54.00	-8.13	2.97	3	Horizontal	103	2.18	-
PK	5.132G	62.83	74.00	-11.17	2.72	3	Horizontal	103	2.18	-
PK	5.233G	98.01	Inf	-Inf	2.83	3	Horizontal	103	2.18	-
PK	5.369G	56.31	74.00	-17.69	2.99	3	Horizontal	103	2.18	-

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5210MHz_TX

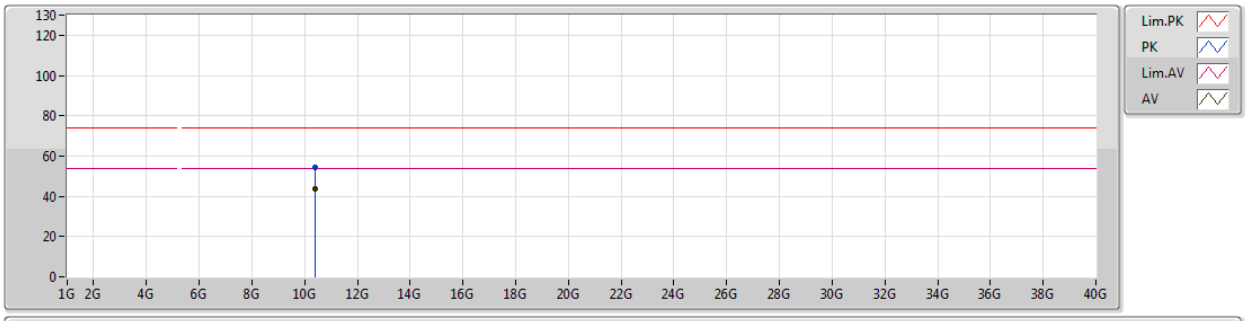


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.41652G	43.62	54.00	-10.38	12.76	3	Vertical	347	1.50	-
PK	10.41184G	54.45	74.00	-19.55	12.75	3	Vertical	347	1.50	-

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5210MHz_TX

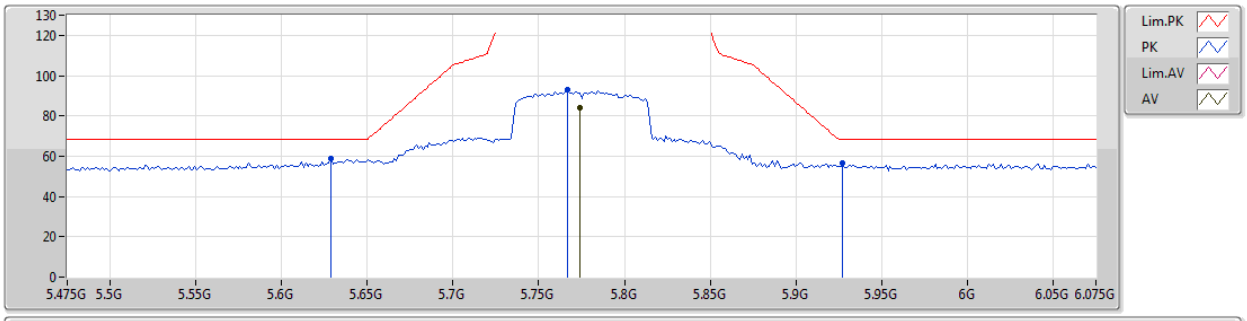


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	10.40632G	43.95	54.00	-10.05	12.74	3	Horizontal	169	1.64	-
PK	10.41556G	54.53	74.00	-19.47	12.76	3	Horizontal	169	1.64	-

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5775MHz_TX

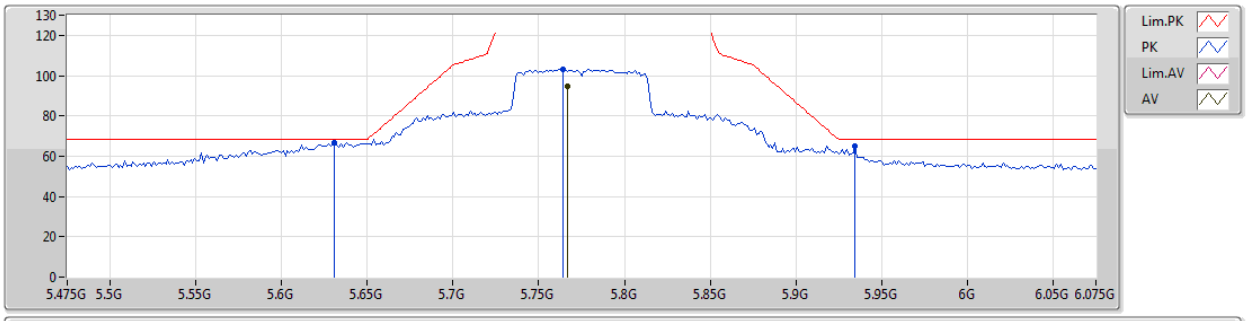


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7738G	84.02	Inf	-Inf	3.68	3	Vertical	307	2.89	-
PK	5.6286G	58.90	68.20	-9.30	3.40	3	Vertical	307	2.89	-
PK	5.7666G	92.81	Inf	-Inf	3.67	3	Vertical	307	2.89	-
PK	5.9274G	56.42	68.20	-11.78	3.99	3	Vertical	307	2.89	-

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5775MHz_TX

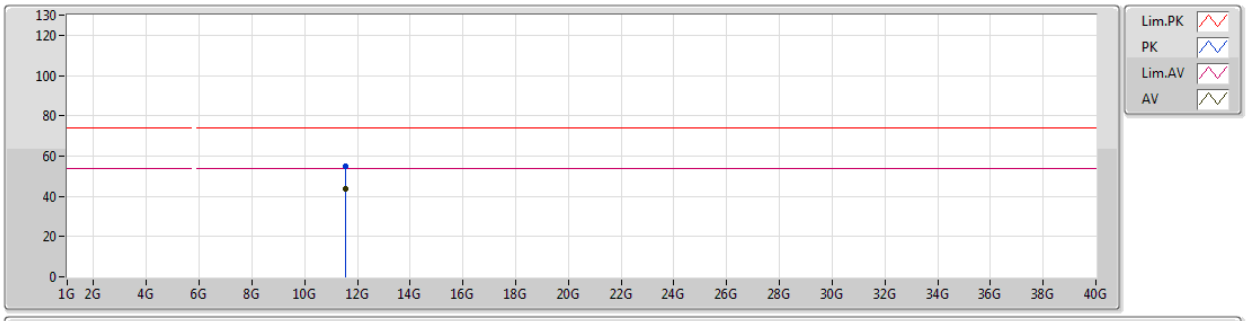


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	5.7666G	94.88	Inf	-Inf	3.67	3	Horizontal	175	2.58	-
PK	5.631G	66.82	68.20	-1.38	3.40	3	Horizontal	175	2.58	-
PK	5.7642G	102.92	Inf	-Inf	3.66	3	Horizontal	175	2.58	-
PK	5.9346G	64.93	68.20	-3.27	4.00	3	Horizontal	175	2.58	-

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5775MHz_TX

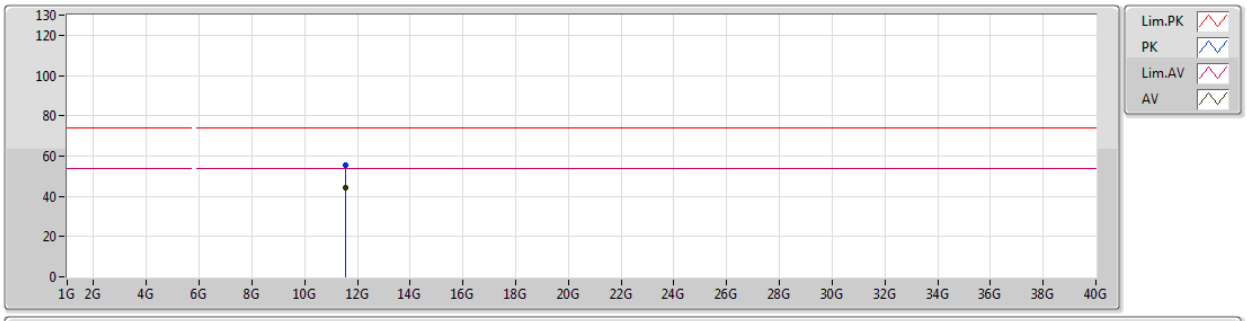


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.55876G	43.97	54.00	-10.03	13.52	3	Vertical	54	2.15	-
PK	11.55276G	55.04	74.00	-18.96	13.53	3	Vertical	54	2.15	-

802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)

25/01/2019

5775MHz_TX



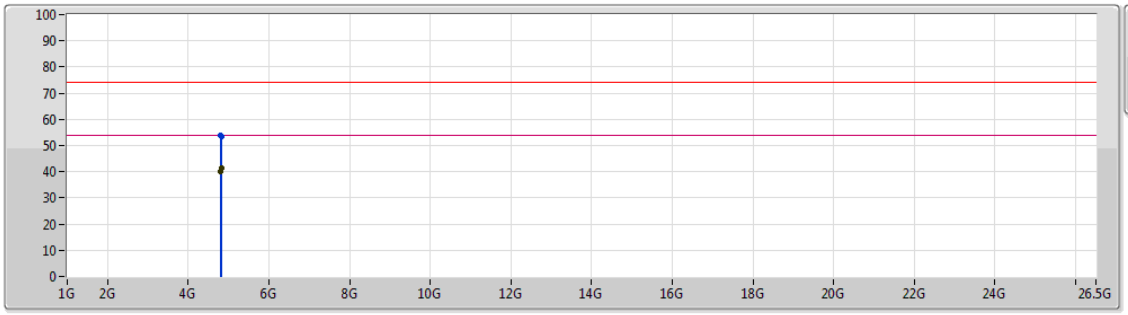
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	11.54118G	44.30	54.00	-9.70	13.53	3	Horizontal	7	1.50	-
PK	11.55348G	55.26	74.00	-18.74	13.53	3	Horizontal	7	1.50	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.8241G	41.42	54.00	-12.58	12.66	3	Vertical	189	1.44	-
Mode 2	Pass	AV	4.82457G	41.97	54.00	-12.03	2.13	3	Vertical	224	1.44	-
Mode 3	Pass	AV	10.36G	43.17	54.00	-10.83	12.63	3	Horizontal	154	1.96	-
Mode 4	Pass	AV	10.36G	43.62	54.00	-10.38	12.63	3	Horizontal	258	2.54	-

Mode 1

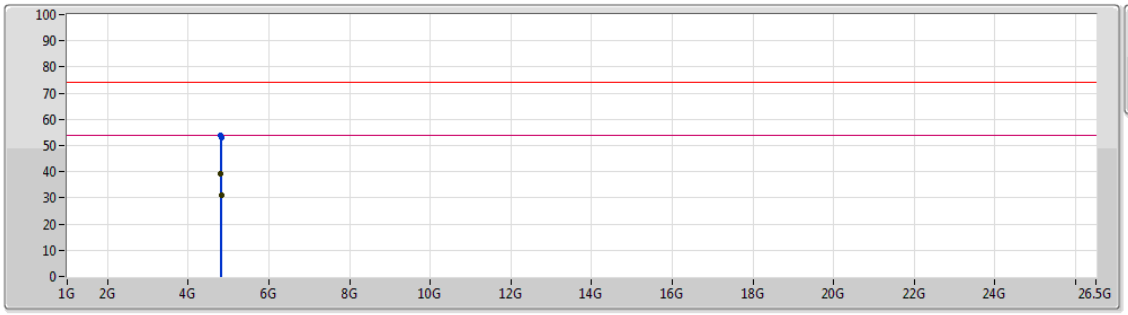
13/02/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80871G	39.92	54.00	-14.08	2.08	3	Vertical	212	1.55	-	37.84	31.19	5.19	34.30
AV	4.8241G	41.42	54.00	-12.58	12.66	3	Vertical	189	1.44	-	28.76	39.42	8.00	34.76
PK	4.80876G	53.95	74.00	-20.05	2.08	3	Vertical	212	1.55	-	51.87	31.19	5.19	34.30
PK	4.82011G	53.62	74.00	-20.38	12.66	3	Vertical	189	1.44	-	40.96	39.42	8.00	34.76

Mode 1

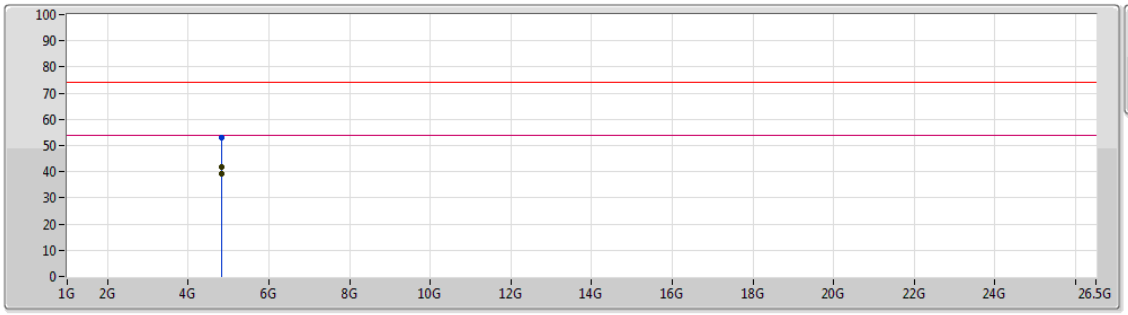
13/02/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA		
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)		
AV	4.80871G	39.30	54.00	-14.70	2.09	3	Horizontal	85	1.71	-	37.21	31.19	5.20	34.30		
AV	4.8241G	31.14	54.00	-22.86	2.13	3	Horizontal	162	1.50	-	29.01	31.22	5.20	34.29		
PK	4.8088G	53.90	74.00	-20.10	2.09	3	Horizontal	85	1.71	-	51.81	31.19	5.20	34.30		
PK	4.82425G	53.04	74.00	-20.96	2.13	3	Horizontal	162	1.50	-	50.91	31.22	5.20	34.29		

Mode 2

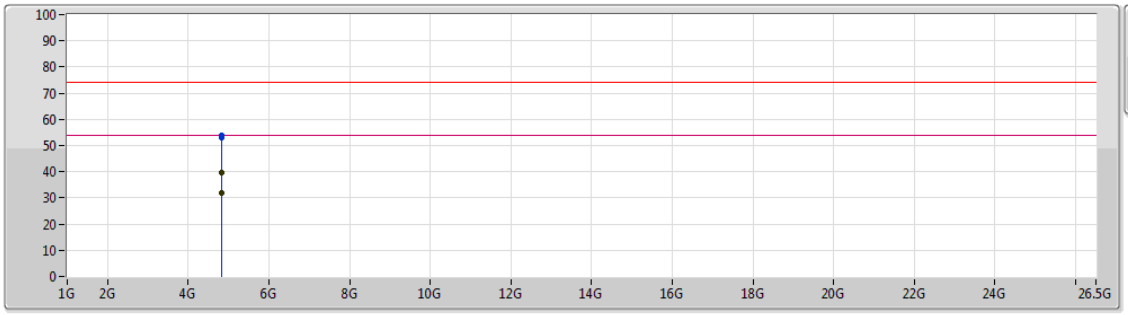
13/02/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.826717G	39.12	54.00	-14.88	2.14	3	Vertical	159	1.55	-	36.98	31.22	5.21	34.29
AV	4.82457G	41.97	54.00	-12.03	2.13	3	Vertical	224	1.44	-	39.84	31.22	5.20	34.29
PK	4.82655G	53.16	74.00	-20.84	2.14	3	Vertical	159	1.55	-	51.02	31.22	5.21	34.29
PK	4.82321G	53.22	74.00	-20.78	2.13	3	Vertical	224	1.44	-	51.09	31.22	5.20	34.29

Mode 2

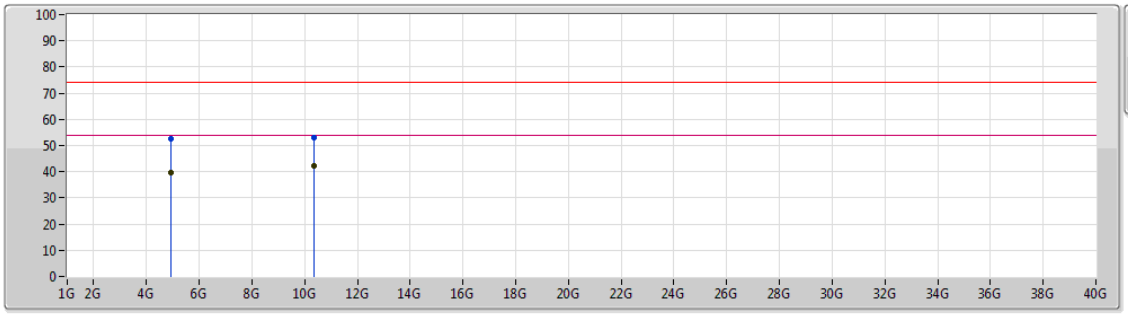
13/02/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82671G	39.58	54.00	-14.42	2.14	3	Horizontal	196	2.02	-	37.44	31.22	5.21	34.29
AV	4.824G	31.71	54.00	-22.29	2.13	3	Horizontal	311	1.91	-	29.58	31.22	5.20	34.29
PK	4.82596G	54.02	74.00	-19.98	2.14	3	Horizontal	196	2.02	-	51.88	31.22	5.21	34.29
PK	4.8252G	52.91	74.00	-21.09	2.14	3	Horizontal	311	1.91	-	50.77	31.22	5.21	34.29

Mode 3

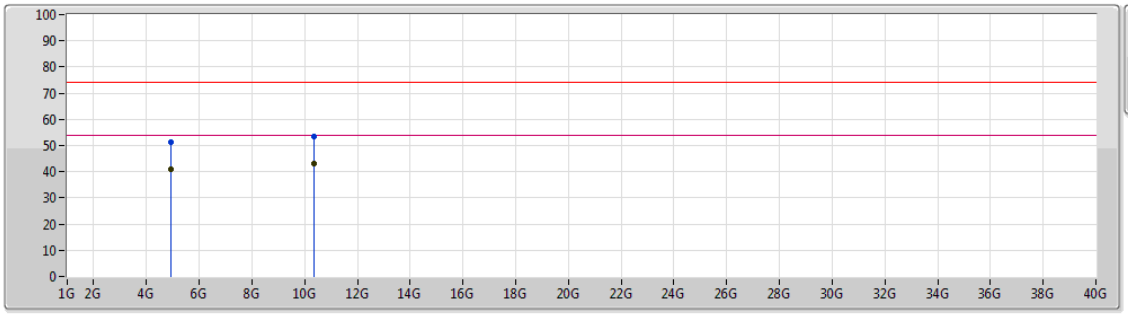
13/02/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.948G	39.55	54.00	-14.45	2.44	3	Vertical	265	2.16	-	37.11	31.42	5.28	34.26
AV	10.36G	42.45	54.00	-11.55	12.63	3	Vertical	111	1.32	-	29.82	39.40	8.00	34.77
PK	4.94817G	52.69	74.00	-21.31	2.44	3	Vertical	265	2.16	-	50.25	31.42	5.28	34.26
PK	10.3654G	53.11	74.00	-20.89	12.64	3	Vertical	111	1.32	-	40.47	39.41	8.00	34.77

Mode 3

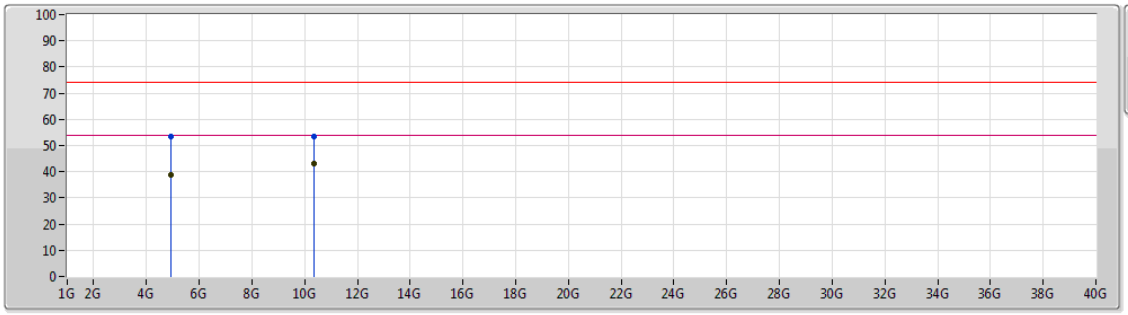
13/02/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA		
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)		
AV	4.948G	41.15	54.00	-12.85	2.44	3	Horizontal	332	1.50	-	38.71	31.42	5.28	34.26		
AV	10.36G	43.17	54.00	-10.83	12.63	3	Horizontal	154	1.96	-	30.54	39.40	8.00	34.77		
PK	4.94852G	51.15	74.00	-22.85	2.44	3	Horizontal	332	1.50	-	48.71	31.42	5.28	34.26		
PK	10.3656G	53.58	74.00	-20.42	12.64	3	Horizontal	154	1.96	-	40.94	39.41	8.00	34.77		

Mode 4

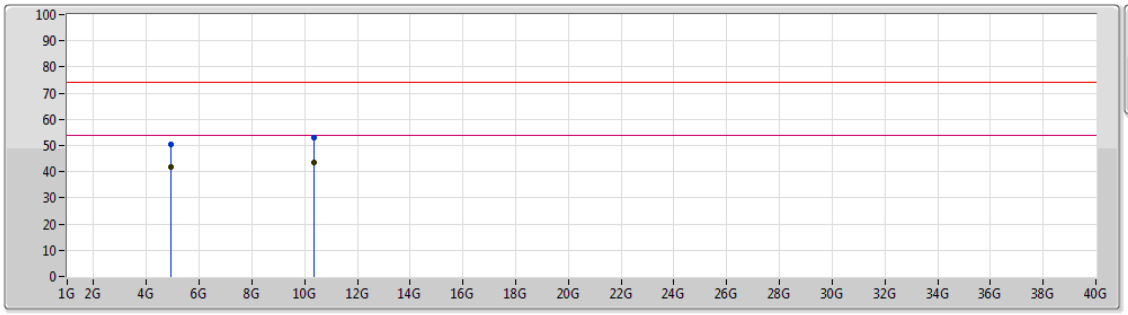
13/02/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.920G	38.71	54.00	-15.29	2.36	3	Vertical	117	2.16	-	36.35	31.37	5.26	34.27
AV	10.36G	43.16	54.00	-10.84	12.63	3	Vertical	292	1.32	-	30.53	39.40	8.00	34.77
PK	4.92006G	53.29	74.00	-20.71	2.36	3	Vertical	117	2.16	-	50.93	31.37	5.26	34.27
PK	10.3602G	53.41	74.00	-20.59	12.63	3	Vertical	292	1.32	-	40.78	39.40	8.00	34.77

Mode 4

13/02/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.920G	41.81	54.00	-12.19	2.36	3	Horizontal	51	1.99	-	39.45	31.37	5.26	34.27
AV	10.36G	43.62	54.00	-10.38	12.63	3	Horizontal	258	2.54	-	30.99	39.40	8.00	34.77
PK	4.92034G	50.52	74.00	-23.48	2.36	3	Horizontal	51	1.99	-	48.16	31.37	5.26	34.27
PK	10.3622G	52.87	74.00	-21.13	12.64	3	Horizontal	258	2.54	-	40.23	39.41	8.00	34.77