FCC Test Report

Equipment	:	**802.11a/b/g/n/ac,2T2R Wireless LAN USB2.0 Module**
Brand Name	:	**LITE-ON**
Model No.	:	**WN4515L**
FCC ID	:	**PPQ-WN4515L**
Standard	:	**47 CFR FCC Part 15.407**
Operating Band	:	**5150 MHz – 5250 MHz** **5250 MHz – 5350 MHz** **5470 MHz – 5725 MHz** **5725 MHz – 5850 MHz**
Applicant	:	**Lite-On Technology Corp.** Bldg. C, 90, Chien 1 Road, Chung Ho, New Taipei City 23585, Taiwan, R.O.C
Manufacturer	:	**LITE-ON TECHNOLOGY (Changzhou) CO., LTD** A9 Building,No.88 Yanghu Road, Wujin Hi-Tech Industrial Development Zone ,Changzhou City,Jiangsu Province 213100 China
Function	:	☐ **Outdoor;** ☒ **Indoor;** ☐ **Fixed P2P** ☐ **Client**
TPC Function	:	**TPC**

The product sample received on May 29, 2017 and completely tested on Aug. 04, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Phoenix Chen
SPORTON INTERNATIONAL INC.

Testing Laboratory
1190

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PHOTOGRAPHS OF EUT V01

Summary of Test Result

Conformance Test Specifications			
Report Clause	**Ref. Std. Clause**	**Description**	**Result**
1.1.2	15.203	Antenna Requirement	Complied
3.1	15.207	AC Power-line Conducted Emissions	Complied
3.2	15.407(a)	Emission Bandwidth	Complied
3.3	15.407(a)	Maximum Conducted Output Power	Complied
3.4	15.407(a)	Peak Power Spectral Density	Complied
3.5	15.407(b)	Unwanted Emissions	Complied
3.6	15.407(g)	Frequency Stability	Complied

Revision History

Report No.	Version	Description	Issued Date
FR752518AN	Rev. 01	Initial issue of report	Aug. 11, 2017

1 General Description

1.1 Information

1.1.1 RF General Information

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

<Big board>

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX(Port 1)
5.25-5.35GHz	802.11a	20	1TX(Port 1)
5.47-5.725GHz	802.11a	20	1TX(Port 1)
5.725-5.85GHz	802.11a	20	1TX(Port 1)
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

<Small board>

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX(Port 2)
5.25-5.35GHz	802.11a	20	1TX(Port 2)
5.47-5.725GHz	802.11a	20	1TX(Port 2)
5.725-5.85GHz	802.11a	20	1TX(Port 2)
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

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

1.1.2 Antenna Information

<Big board>

Ant.	Port	Brand	P/N	Antenna Type	Connector	Gain (dBi)	Cable Length(mm)
1	1	PSA	RFMTA401029IMLB701	PIFA Antenna	I-PEX	3.16	300
2	1	PSA	RFMTA401029IMLB701	PIFA Antenna	I-PEX	2.90	400
3	1	PSA	RFMTA401029IMLB701	PIFA Antenna	I-PEX	1.99	450
4	1	PSA	RFMTA401029IMLB701	PIFA Antenna	I-PEX	1.97	500
5	1	PSA	RFMTA401029IMLB701	PIFA Antenna	I-PEX	1.85	550
6	1	PSA	RFMTA401029IMLB701	PIFA Antenna	I-PEX	1.72	600
7	2	PSA	RFMTA100600NNLB001	PIFA Antenna	fixed on board	2.66	-

Note: 1: 802.11a only includes 1 TX and Port 1 for emission.

Note: 2: 802.11an/ac used two antennas are for signal transmitting and receiving.(2T2R Spatial Multiplexing MIMO configuration)

<Small board>

Ant.	Port	Brand	P/N	Antenna Type	Connector	Gain (dBi)	Cable Length(mm)
1	2	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	3.16	300
2	2	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	2.90	400
3	2	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.99	450
4	2	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.97	500
5	2	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.85	550
6	2	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.72	600
7	1	PSA	RFMTA1006 00NNLB001	PIFA Antenna	fixed on board	2.66	-

Note: 1: 802.11a only includes 1 TX and Port 2 for emission.

Note: 2: 802.11an/ac used two antennas are for signal transmitting and receiving.(2T2R Spatial Multiplexing MIMO configuration)

1.1.3 EUT Information

Identify EUT				
SW / HW	N/A			
Operational Condition				
EUT Power Type	From Host System			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz

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

1.1.4 Mode Test Duty Cycle

<Big board>

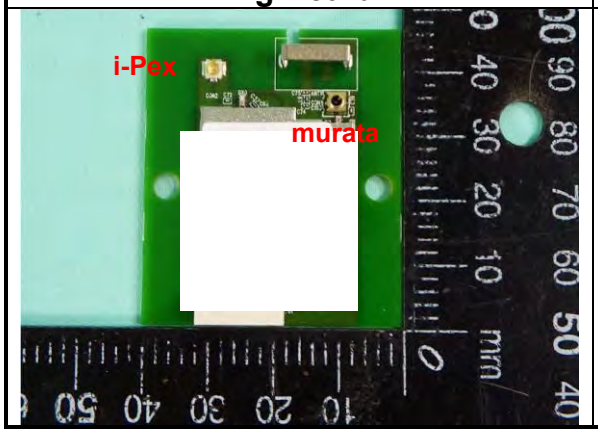
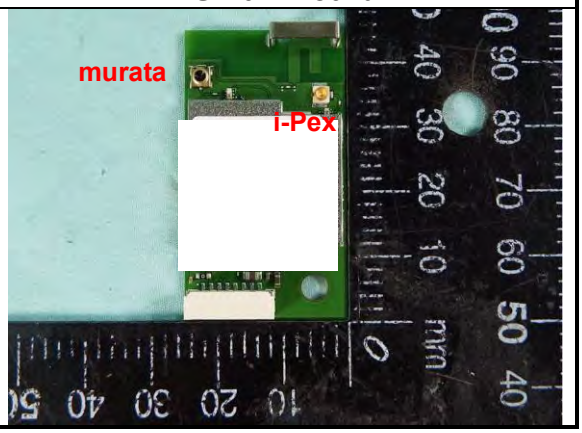
Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT80	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)

<Small board>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.998	0.009	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.995	0.022	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.999	0.004	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT80	0.99	0.044	n/a (DC>=0.98)	n/a (DC>=0.98)

1.1.5 Table for Explanation of module boards

There are two module boards for EUT. The difference between these two boards as below:
1. i-Pex connector is replaced by murata connector.
2.murata connector is replaced by i-Pex connector.

Big Board	Small Board
	

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 v01r04
- KDB 644545 D03 v01
- KDB 662911 D01 v02r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted <Big board>	TH07-HY	Gary	22.5°C / 61%	08/Jun/2017
RF Conducted <Small board>	TH07-HY	Candy	22.5°C / 63%	04/Aug/2017
Radiated <Big board>	03CH02-HY	Daniel	21.6C / 58%	16/Jun/2017
Radiated <Small board>	03CH02-HY	Andy	23.5C / 58%	27/Jul/2017
AC Conduction	CO04-HY	Bear	20.7°C / 62%	13/Jun/2017

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)	3.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	2.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	2.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	2.9 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V
Freq. Stability	Abbreviation	Remark
0°C	-	-
10°C	-	-
20°C	-	-
30°C	-	-
40°C	-	-
50°C	-	-
60°C	-	-
65℃	-	-
138V	-	-
120V	-	-
102V	-	-

2.2 Test Channel Mode

Test Software Version	REALTEK 11ac 8812AU 0.0062.14.20160929

<Big board>

Mode	Power Setting
802.11a_(6Mbps)_1TX	-
5180MHz	63
5200MHz	63
5240MHz	63
5260MHz	63
5300MHz	63
5320MHz	55
5500MHz	63
5580MHz	63
5700MHz	50
5745MHz	63
5785MHz	63
5825MHz	63
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	63,63
5200MHz	63,63
5240MHz	63,63
5260MHz	63,63
5300MHz	63,63
5320MHz	60,60
5500MHz	63,63
5580MHz	63,63
5700MHz	42,42
5745MHz	63,63
5785MHz	63,63
5825MHz	63,63
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	61,61
5230MHz	63,63
5270MHz	63,63
5310MHz	56,56

Mode	Power Setting
5510MHz	55,55
5550MHz	63,63
5670MHz	56,56
5755MHz	63,63
5795MHz	63,63
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	61,61
5290MHz	56,56
5530MHz	55,55
5610MHz	62,62
5775MHz	63,63

<Small board>

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5180MHz	58
5200MHz	63
5240MHz	56
5260MHz	63
5300MHz	63
5320MHz	48
5500MHz	50
5580MHz	63
5700MHz	34
5745MHz	63
5785MHz	63
5825MHz	63
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	57,56
5200MHz	55,55
5240MHz	56,55
5260MHz	56,55
5300MHz	55,55
5320MHz	55,53
5500MHz	61,54
5580MHz	59,50
5700MHz	38,34
5745MHz	61,47
5785MHz	63,49
5825MHz	63,47
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	51,52
5230MHz	55,55
5270MHz	56,55
5310MHz	47,47
5510MHz	50,45
5550MHz	58,52
5670MHz	52,45
5755MHz	60,48

Mode	Power Setting
5795MHz	61,48
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	52,52
5290MHz	47,47
5530MHz	53,46
5610MHz	61,53
5775MHz	62,48

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 Frequency Stability
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

2.4 Support Equipment

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	AC Adapter for NB	DELL	HA65NM130	DoC
3	Fixture	-	-	-

Note.Support equipment No.3 was provided by customer.

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5530	DoC
2	AC Adapter for NB	DELL	L90PM111	DoC
3	Fixture	-	-	-

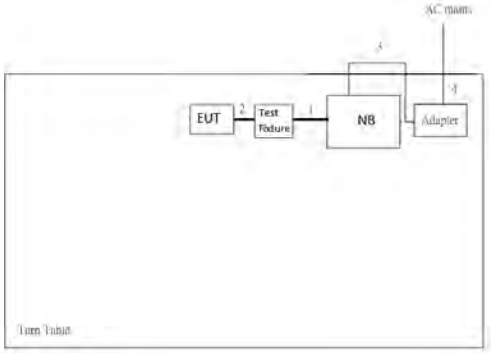
Note.Support equipment No.3 was provided by customer.

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5530	DoC
2	AC Adapter for NB	DELL	L90PM111	DoC
3	Fixture	-	-	-

Note.Support equipment No.3 was provided by customer.

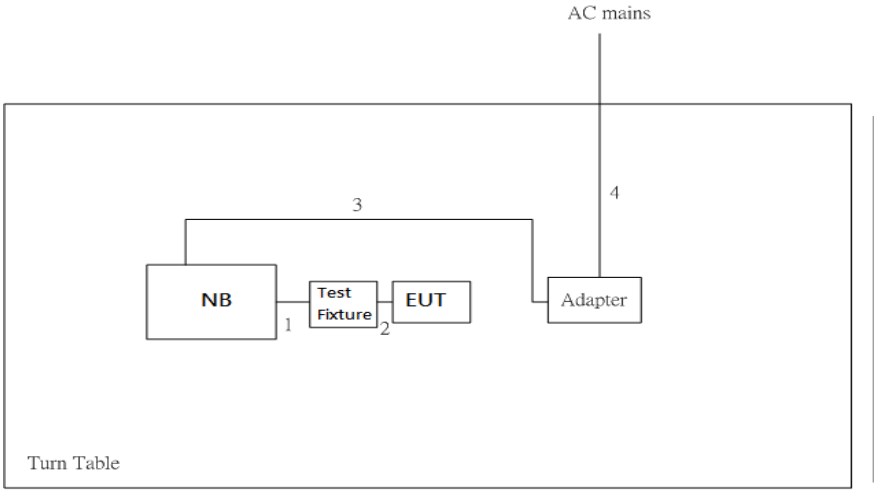
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	USB Cable	No	0.1m	-
2	Test Fixture cable	No	0.1m	-
3	AC power line	No	1.8m	-
4	AC power cable	No	1.8m	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	USB Cable	No	0.1m	-
2	Test Fixture cable	No	0.1m	-
3	AC power line	No	1.8m	-
4	AC power cable	No	1.8m	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

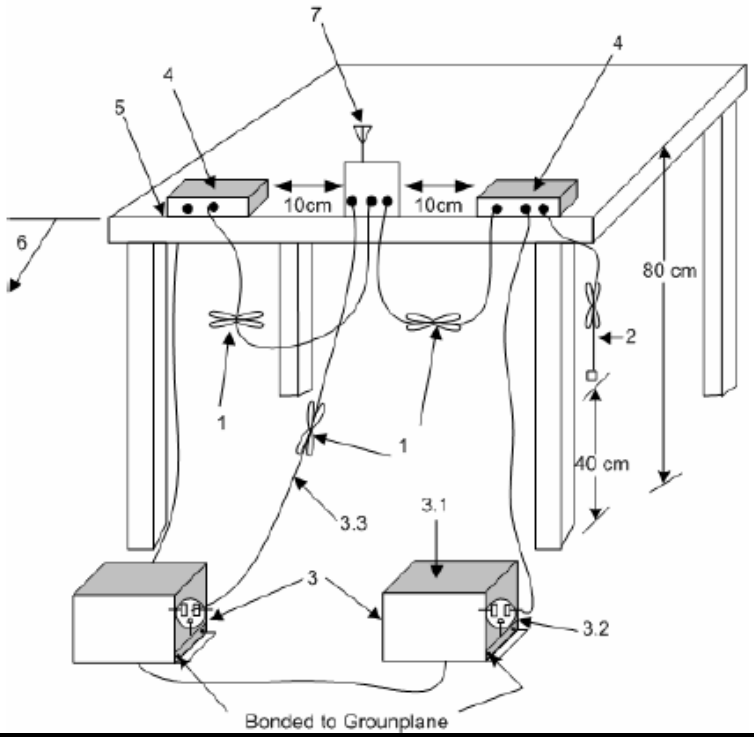
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

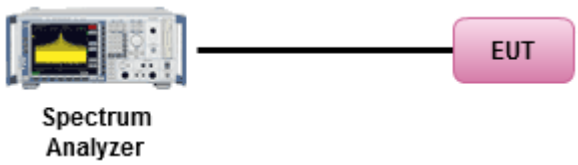
3.2.2 Measuring Instruments

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 6.6 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.	

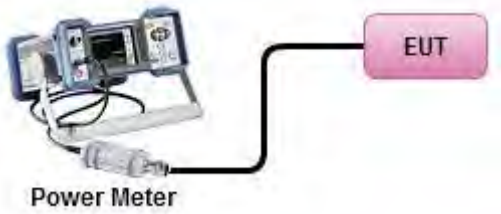
3.3.2 Measuring Instruments

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.	

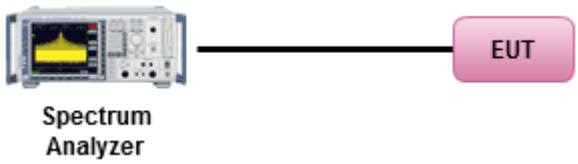
3.4.2 Measuring Instruments

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.

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.

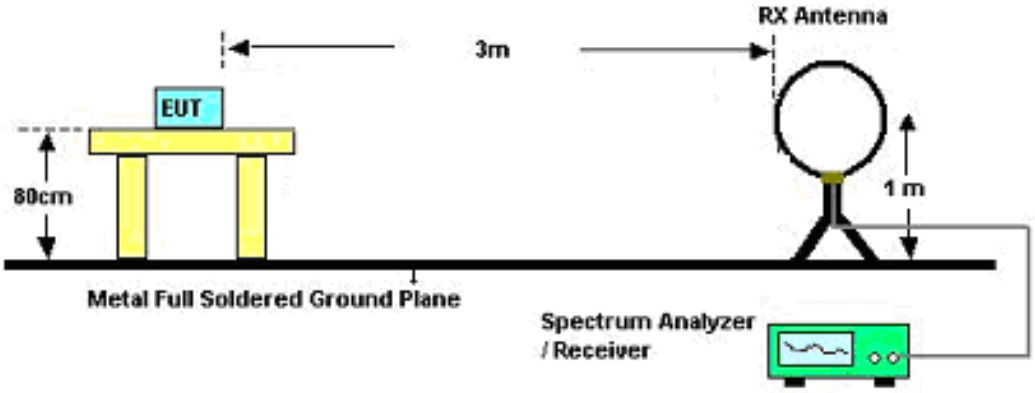
3.5.3 Test Procedures

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.		

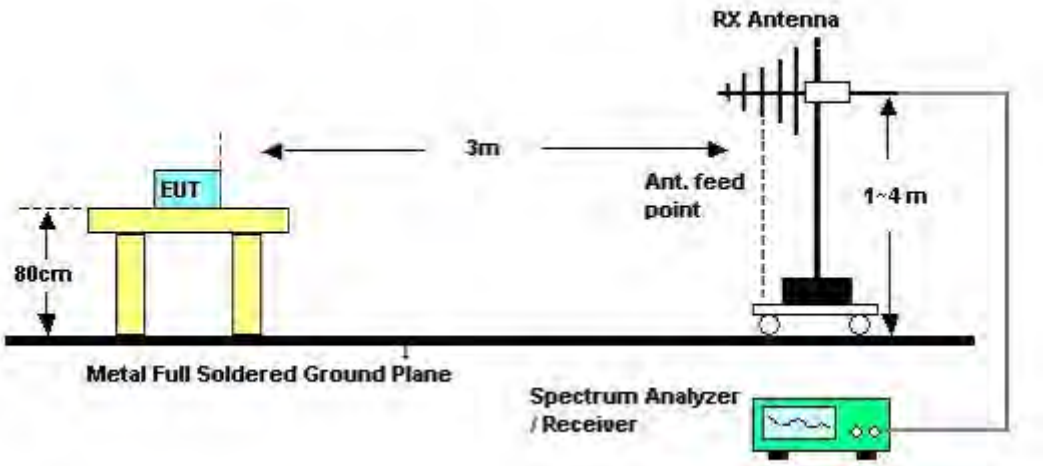
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

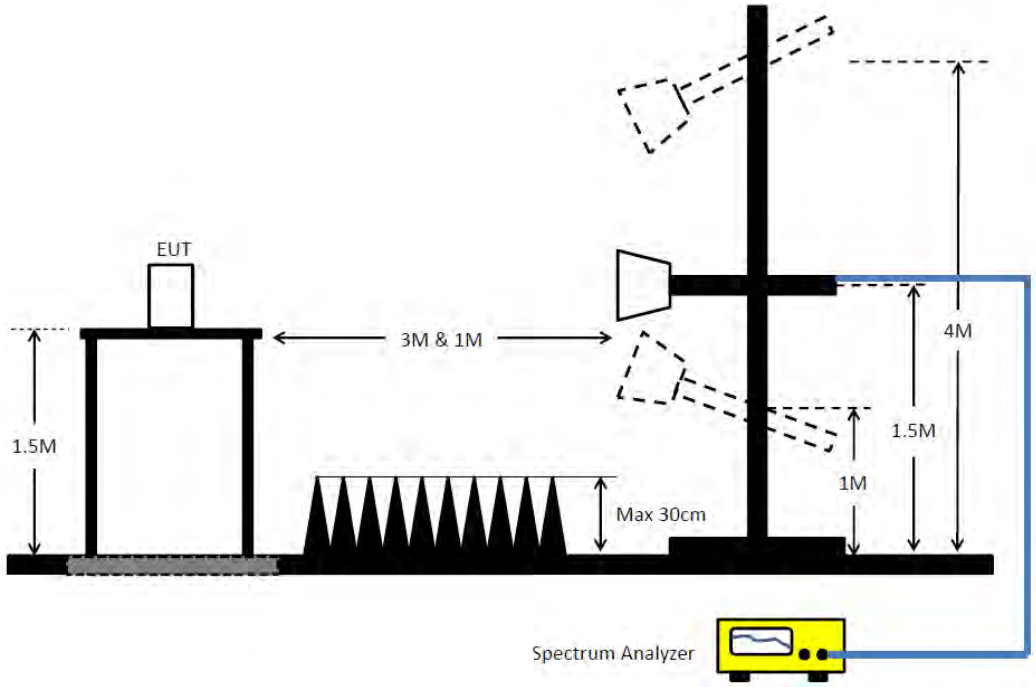
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

Frequency Stability Limit
UNII Devices
▪ In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

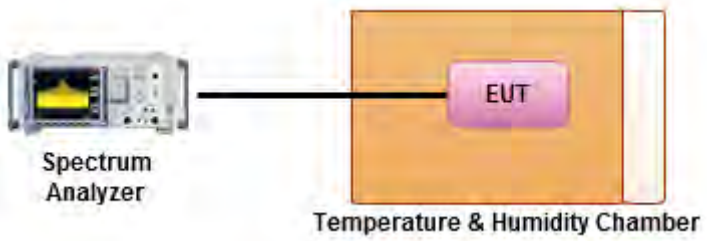
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method		
▪	Refer as ANSI C63.10, clause 6.8 for frequency stability tests	
	▪	Frequency stability with respect to ambient temperature
	▪	Frequency stability when varying supply voltage

3.6.4 Test Setup

Frequency Stability


3.6.5 Test Result of Frequency Stability

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2016	14/Nov/2017
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	21/Oct/2015	20/Oct/2016

NCR : Non-Calibration Require

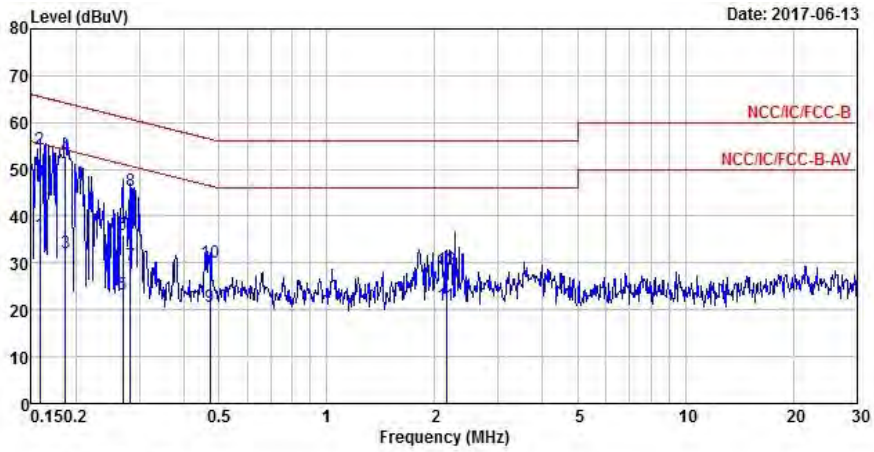
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz	28/Nov/2016	27/Nov/2017
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz	16/Dec/2016	15/Dec/2017
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	19/Apr/2017	18/Apr/2018
Amplifier	KEYSIGHT	83017A	MY53270197	1GHz ~ 26.5GHz	29/Aug/2016	28/Aug/2017
Spectrum	R&S	FSV40	101515	9kHz ~ 40GHz	28/Nov/2016	27/Nov/2017
Bilog Antenna	SCHAFFNER	CBL 6112D	2723	30MHz ~ 1GHz	01/Oct/2016	30/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120D 1531	1GHz ~ 18GHz	25/Apr/2017	24/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Microwave Preamplifier with6dB Attenuator	EMC INSTRUMENTS	EMC184045B & PE7005-	980192	18GHz ~ 40GHz	24/Aug/2016	23/Aug/2017
Loop Antenna	TESEQ	HLA 6120	24155	9 kHz~30 MHz	02/Mar/2017	01/Mar/2018
RF-Cable-high	SUHNER	SUHNER	CB222	1GHz ~ 40GHz	28/Oct/2016	27/Oct/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	27/Oct/2016	26/Oct/2017
Receiver	R&S	ESU-26	100422/026	20Hz ~ 26.5GHz	21/Sep/2016	20/Sep/2017

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP 40	100305	9kHz~40GHz	30/Dec/2016	29/Dec/2017
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	21/Jul/2016	20/Jul/2017
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
TEMP & hmuidity Chamber	GIANT FORCE	GTH-225-40-CP-AR	MAA1311-008	-40~100℃ 10~98%RH	10/May/2017	09/May/2018
RF Cable-1.5m	HUBER+SUHNER	SUCOFLEX_104	MY12582/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017

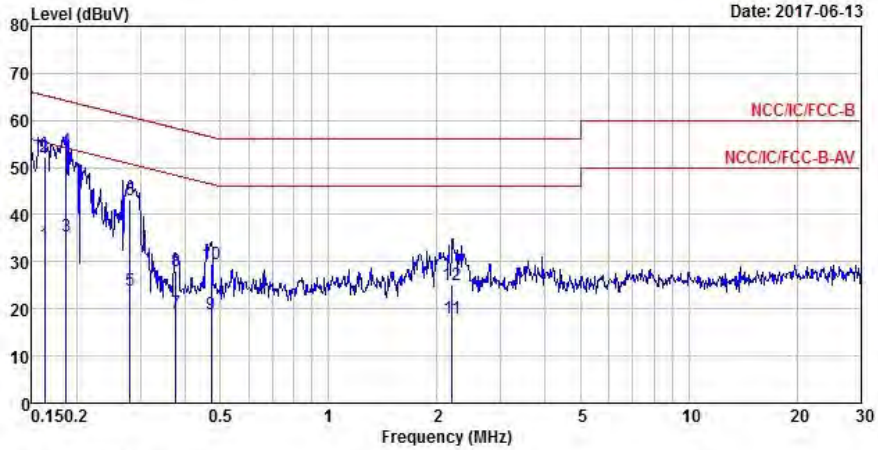
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	USB mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	36.03	-19.53	55.56	26.19	9.61	0.23	Average
2 MAX	0.16	54.38	-11.18	65.56	44.54	9.61	0.23	QP
3	0.19	32.12	-22.08	54.20	22.19	9.65	0.28	Average
4	0.19	52.97	-11.23	64.20	43.04	9.65	0.28	QP
5	0.27	23.32	-27.80	51.12	13.46	9.65	0.21	Average
6	0.27	35.91	-25.21	61.12	26.05	9.65	0.21	QP
7	0.28	29.61	-21.11	50.72	19.76	9.65	0.20	Average
8	0.28	45.50	-15.22	60.72	35.65	9.65	0.20	QP
9	0.47	20.71	-25.78	46.49	10.99	9.62	0.10	Average
10	0.47	30.19	-26.30	56.49	20.47	9.62	0.10	QP
11	2.16	21.08	-24.92	46.00	11.14	9.66	0.28	Average
12	2.16	28.66	-27.34	56.00	18.72	9.66	0.28	QP

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

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



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	33.77	-21.57	55.34	23.87	9.66	0.24	Average
2	0.16	52.28	-13.06	65.34	42.38	9.66	0.24	QP
3	0.19	35.53	-18.67	54.20	25.60	9.65	0.28	Average
4 MAX	0.19	53.59	-10.61	64.20	43.66	9.65	0.28	QP
5	0.28	24.04	-26.77	50.81	14.18	9.66	0.20	Average
6	0.28	43.10	-17.71	60.81	33.24	9.66	0.20	QP
7	0.38	19.10	-29.24	48.34	9.30	9.68	0.12	Average
8	0.38	28.15	-30.19	58.34	18.35	9.68	0.12	QP
9	0.47	18.79	-27.70	46.49	9.02	9.67	0.10	Average
10	0.47	29.63	-26.86	56.49	19.86	9.67	0.10	QP
11	2.20	17.95	-28.05	46.00	7.89	9.79	0.27	Average
12	2.20	24.98	-31.02	56.00	14.92	9.79	0.27	QP

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-	-
5.15-5.25GHz	38.675M	17.341M	17M3D1D	35.45M	16.917M
5.25-5.35GHz	40.925M	20.99M	21M0D1D	32.725M	16.667M
5.47-5.725GHz	42.325M	21.639M	21M6D1D	30.725M	16.642M
5.725-5.85GHz	16.5M	29.46M	29M5D1D	16.4M	28.211M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	45.3M	18.566M	18M6D1D	29.175M	17.716M
5.25-5.35GHz	46.425M	26.862M	26M9D1D	39.175M	17.916M
5.47-5.725GHz	49.35M	30.31M	30M3D1D	21.625M	17.616M
5.725-5.85GHz	17.725M	34.433M	34M4D1D	17.65M	22.039M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	89.7M	36.882M	36M9D1D	43.2M	36.182M
5.25-5.35GHz	91.7M	41.129M	41M1D1D	43.05M	36.232M
5.47-5.725GHz	97.5M	54.173M	54M2D1D	43.55M	36.132M
5.725-5.85GHz	36.45M	65.417M	65M4D1D	36.4M	36.782M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	124.6M	75.762M	75M8D1D	106.7M	75.362M
5.25-5.35GHz	106.3M	74.963M	75M0D1D	81.3M	74.963M
5.47-5.725GHz	194.9M	114.943M	115MD1D	81.5M	74.763M
5.725-5.85GHz	74.4M	116.642M	117MD1D	73.3M	76.162M

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

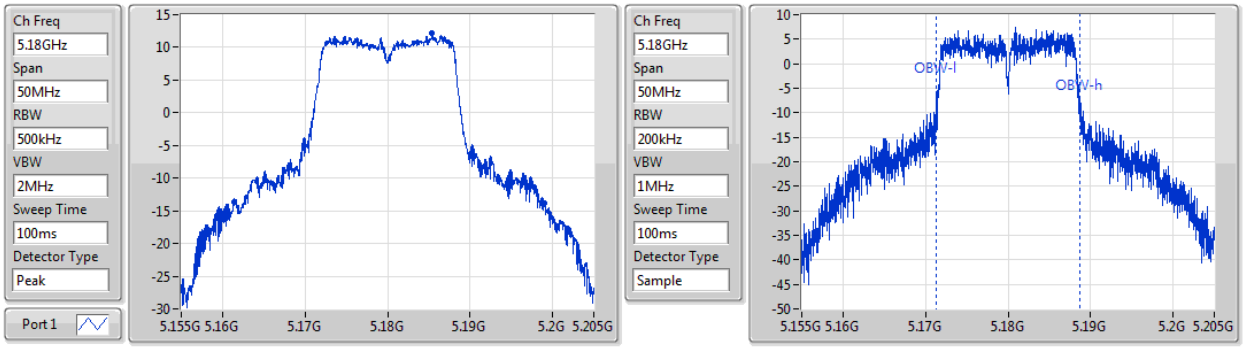
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_(6Mbps)_1TX	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	37.6M	17.341M		
5200MHz_TnomVnom	Pass	Inf	35.45M	16.917M		
5240MHz_TnomVnom	Pass	Inf	38.675M	17.241M		
5260MHz_TnomVnom	Pass	Inf	40.425M	19.14M		
5300MHz_TnomVnom	Pass	Inf	40.925M	20.99M		
5320MHz_TnomVnom	Pass	Inf	32.725M	16.667M		
5500MHz_TnomVnom	Pass	Inf	40.2M	18.341M		
5580MHz_TnomVnom	Pass	Inf	42.325M	21.639M		
5700MHz_TnomVnom	Pass	Inf	30.725M	16.642M		
5745MHz_TnomVnom	Pass	500k	16.5M	28.211M		
5785MHz_TnomVnom	Pass	500k	16.425M	29.41M		
5825MHz_TnomVnom	Pass	500k	16.4M	29.46M		
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	43.55M	17.991M	45.3M	17.891M
5200MHz_TnomVnom	Pass	Inf	42.775M	17.766M	44.95M	18.566M
5240MHz_TnomVnom	Pass	Inf	29.175M	17.716M	43.95M	18.291M
5260MHz_TnomVnom	Pass	Inf	44.1M	18.066M	46.125M	23.613M
5300MHz_TnomVnom	Pass	Inf	43.6M	18.966M	46.425M	26.862M
5320MHz_TnomVnom	Pass	Inf	39.175M	17.916M	45.525M	22.414M
5500MHz_TnomVnom	Pass	Inf	40.425M	17.941M	46.425M	27.886M
5580MHz_TnomVnom	Pass	Inf	41.525M	18.016M	49.35M	30.31M
5700MHz_TnomVnom	Pass	Inf	21.625M	17.616M	32.175M	17.766M
5745MHz_TnomVnom	Pass	500k	17.7M	22.164M	17.675M	32.734M
5785MHz_TnomVnom	Pass	500k	17.65M	22.039M	17.725M	33.983M
5825MHz_TnomVnom	Pass	500k	17.7M	28.361M	17.65M	34.433M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	43.2M	36.182M	43.3M	36.332M
5230MHz_TnomVnom	Pass	Inf	76.2M	36.382M	89.7M	36.882M
5270MHz_TnomVnom	Pass	Inf	84.75M	36.582M	91.7M	41.129M
5310MHz_TnomVnom	Pass	Inf	43.05M	36.232M	77.5M	36.532M
5510MHz_TnomVnom	Pass	Inf	43.55M	36.132M	78M	36.482M
5550MHz_TnomVnom	Pass	Inf	80.05M	36.382M	97.5M	54.173M
5670MHz_TnomVnom	Pass	Inf	46.45M	36.232M	97.45M	50.225M
5755MHz_TnomVnom	Pass	500k	36.45M	36.782M	36.4M	59.07M
5795MHz_TnomVnom	Pass	500k	36.4M	42.979M	36.45M	65.417M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	Inf	106.7M	75.362M	124.6M	75.762M
5290MHz_TnomVnom	Pass	Inf	81.3M	74.963M	106.3M	74.963M
5530MHz_TnomVnom	Pass	Inf	81.5M	74.763M	150M	76.062M
5610MHz_TnomVnom	Pass	Inf	149.6M	76.862M	194.9M	114.943M
5775MHz_TnomVnom	Pass	500k	73.3M	76.162M	74.4M	116.642M

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_(6Mbps)_1TX — EBW

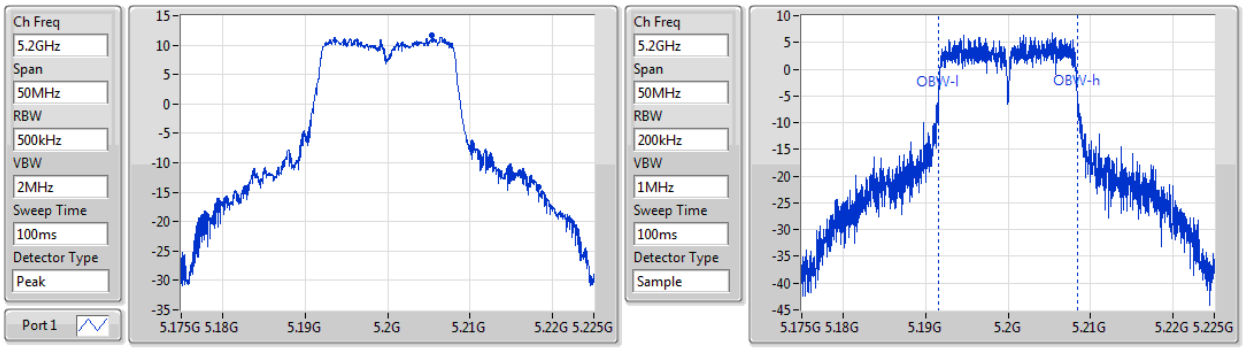
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	5.16135G	5.19895G	17.341M	5.171354G	5.188696G	Inf	1

802.11a_(6Mbps)_1TX — EBW

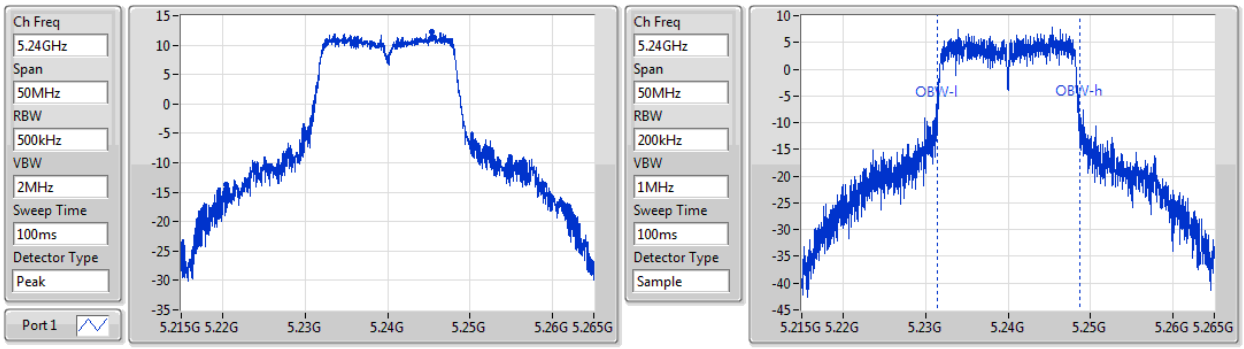
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.45M	5.1828G	5.21825G	16.917M	5.191579G	5.208496G	Inf	1

802.11a_(6Mbps)_1TX — EBW

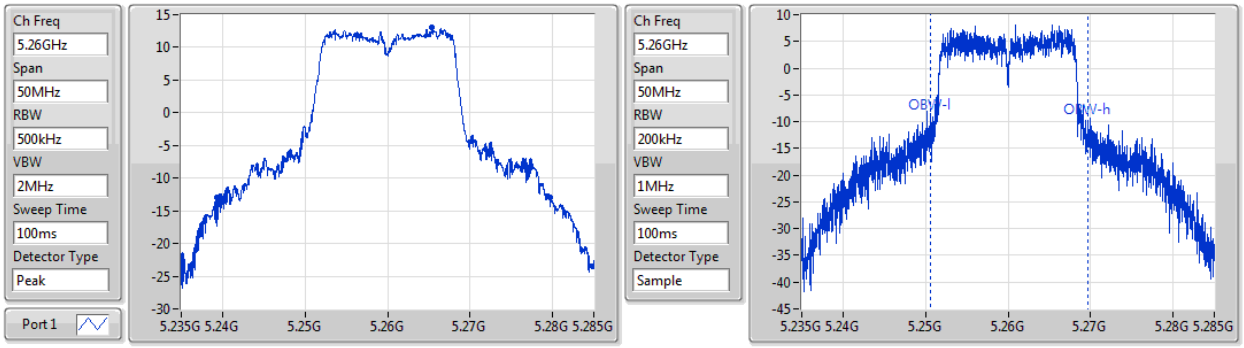
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.675M	5.220375G	5.25905G	17.241M	5.231404G	5.248646G	Inf	1

802.11a_(6Mbps)_1TX — EBW

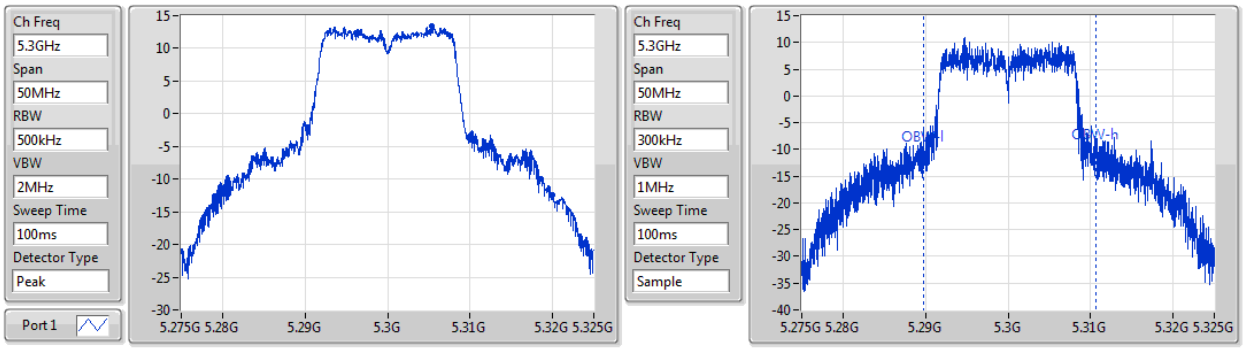
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.425M	5.239325G	5.27975G	19.14M	5.250555G	5.269695G	Inf	1

802.11a_(6Mbps)_1TX — EBW

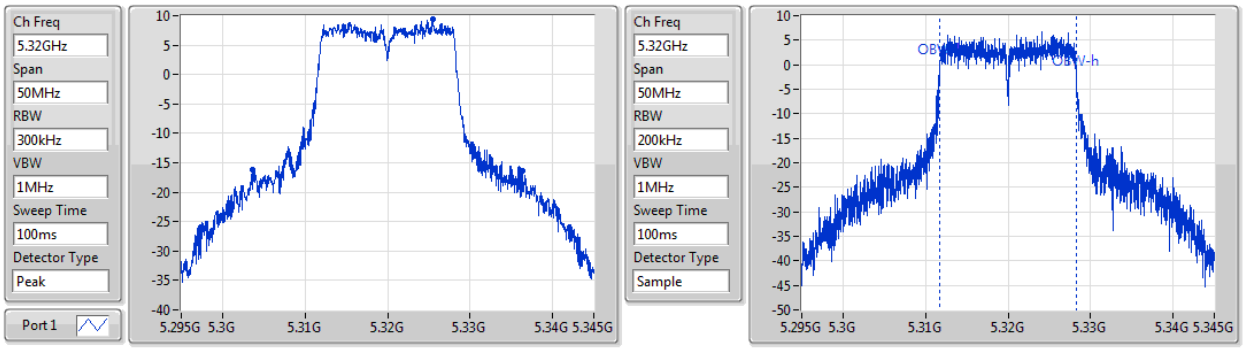
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.925M	5.27905G	5.319975G	20.99M	5.28973G	5.31072G	Inf	1

802.11a_(6Mbps)_1TX — EBW

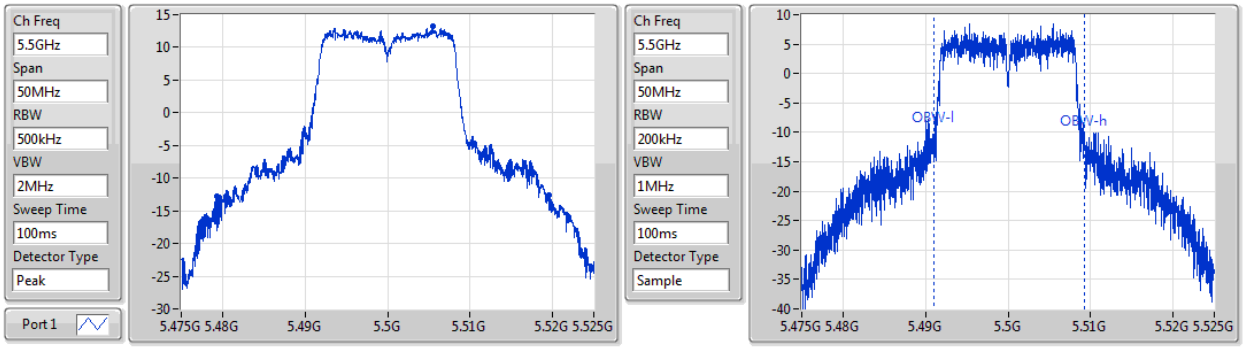
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.725M	5.3037G	5.336425G	16.667M	5.311654G	5.328321G	Inf	1

802.11a_(6Mbps)_1TX — EBW

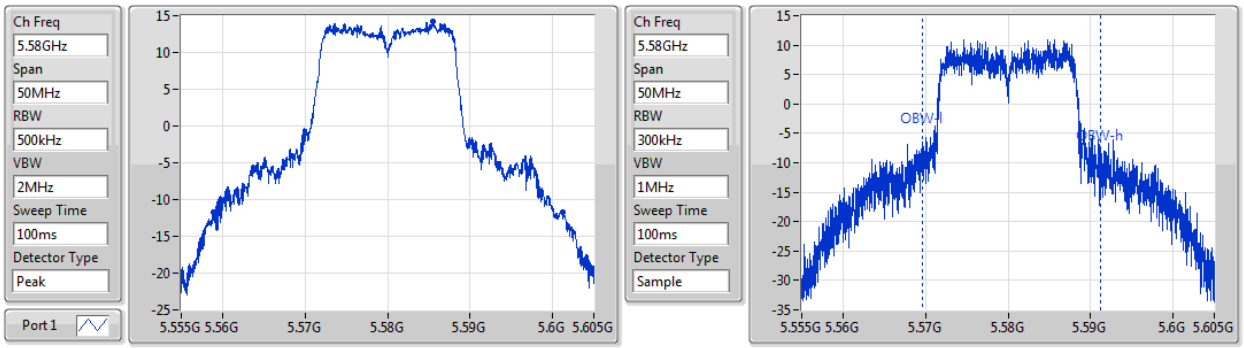
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.4793G	5.5195G	18.341M	5.49098G	5.50932G	Inf	1

802.11a_(6Mbps)_1TX — EBW

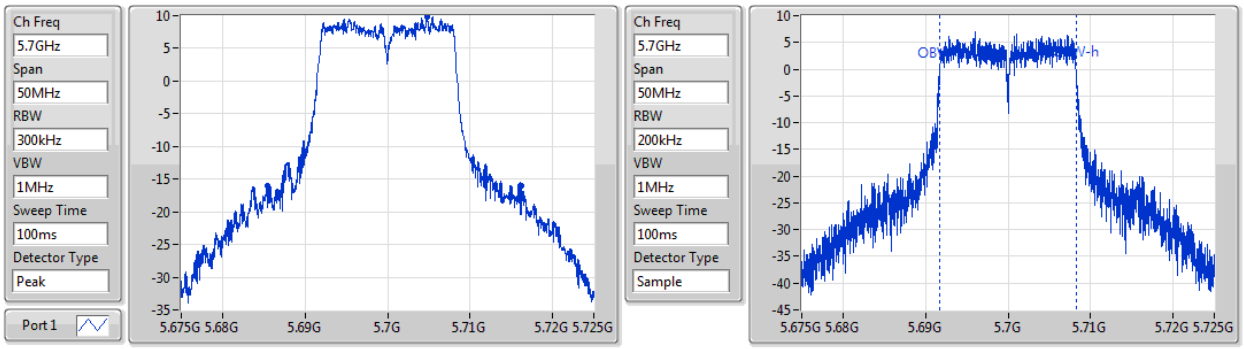
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.325M	5.5589G	5.601225G	21.639M	5.569605G	5.591244G	Inf	1

802.11a_(6Mbps)_1TX — EBW

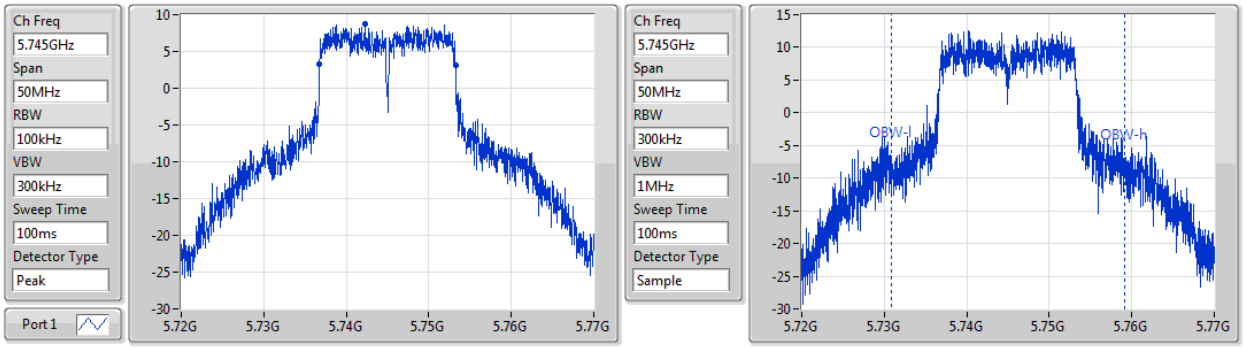
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.725M	5.685475G	5.7162G	16.642M	5.691679G	5.708321G	Inf	1

802.11a_(6Mbps)_1TX — EBW

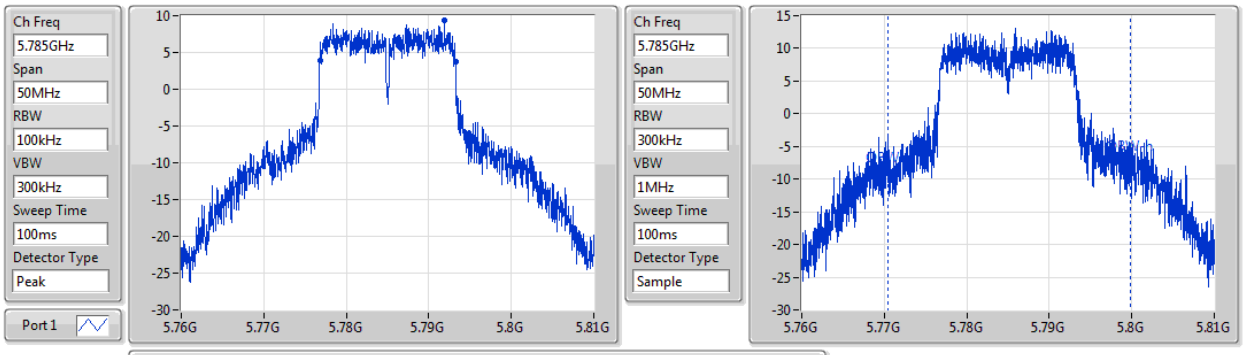
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.5M	5.73675G	5.75325G	28.211M	5.730857G	5.759068G	500k	1

802.11a_(6Mbps)_1TX — EBW

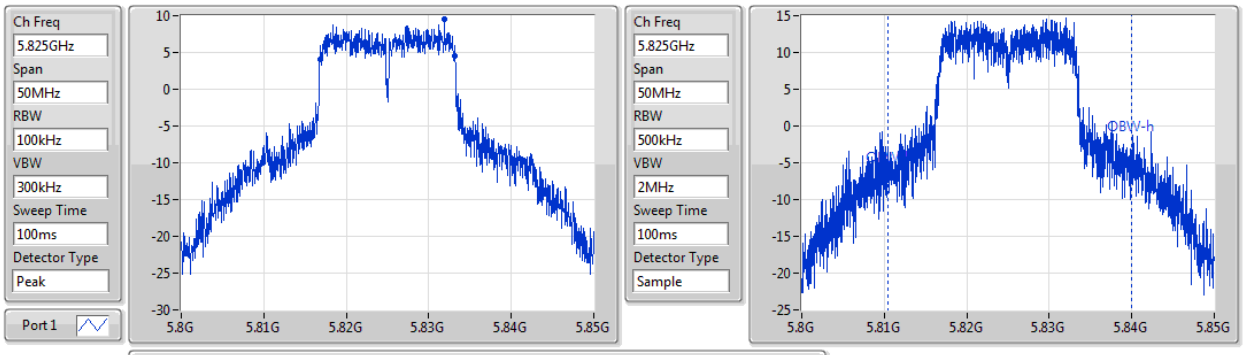
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.425M	5.7768G	5.793225G	29.41M	5.770482G	5.799893G	500k	1

802.11a_(6Mbps)_1TX — EBW

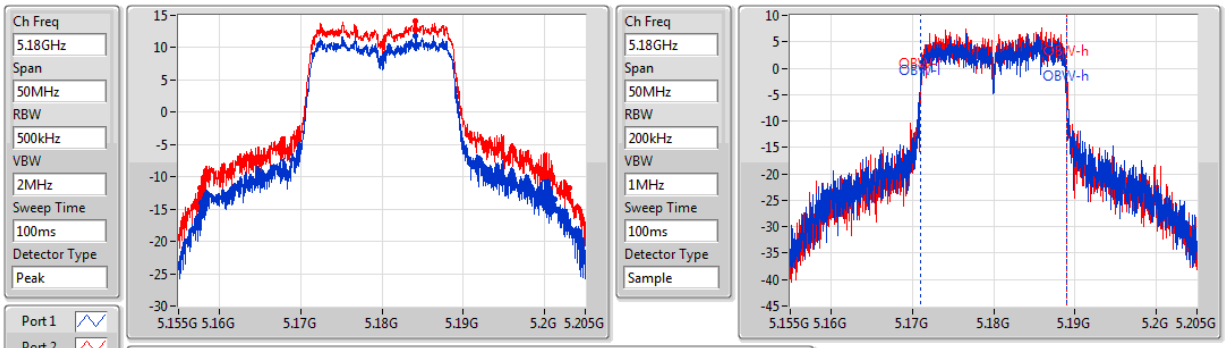
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.4M	5.8168G	5.8332G	29.46M	5.810482G	5.839943G	500k	1

802.11ac VHT20_Nss1,(MCS0)_2TX — EBW

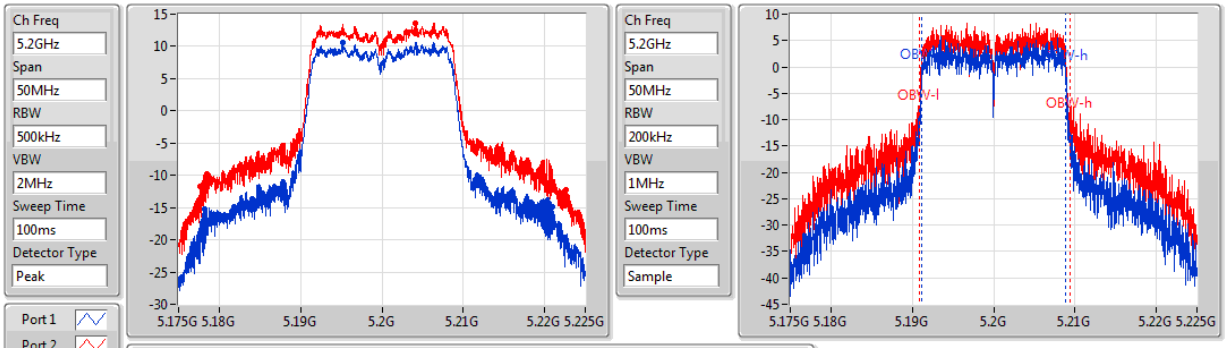
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.55M	5.15775G	5.2013G	17.991M	5.17098G	5.188971G	Inf	1
45.3M	5.1577G	5.203G	17.891M	5.171079G	5.188971G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX — EBW

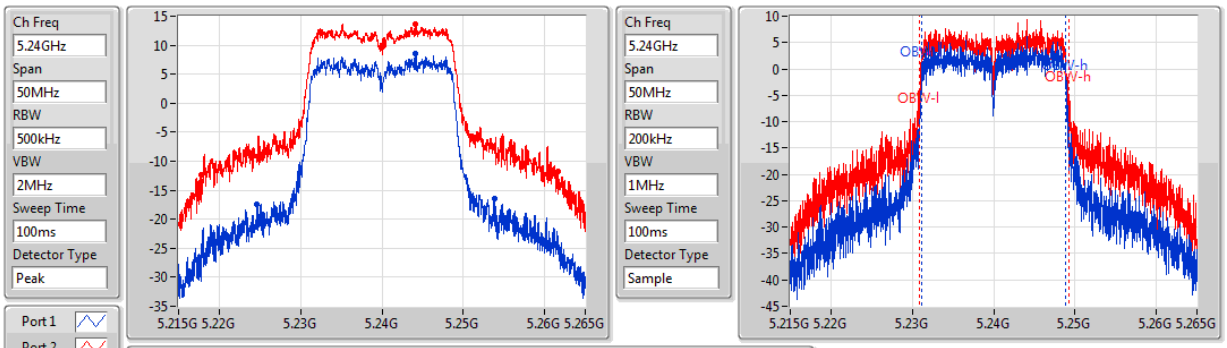
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.775M	5.17815G	5.220925G	17.766M	5.191129G	5.208896G	Inf	1
44.95M	5.1777G	5.22265G	18.566M	5.19088G	5.209445G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX — EBW

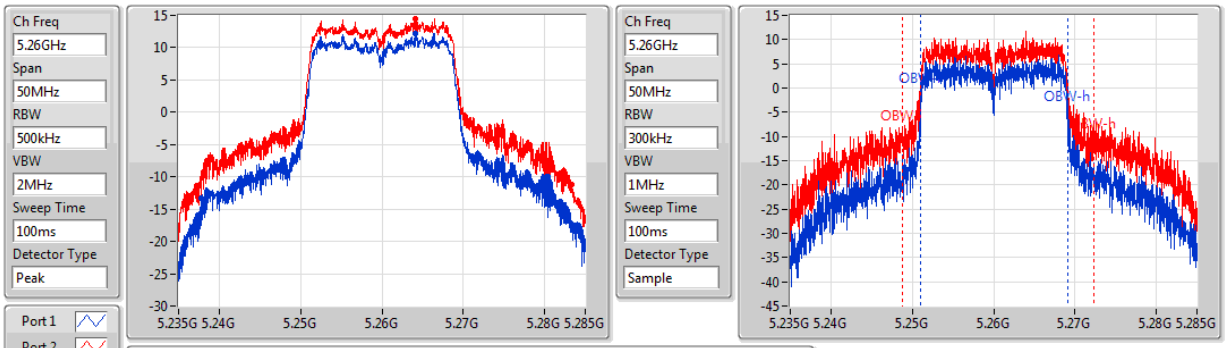
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.175M	5.22465G	5.253825G	17.716M	5.231154G	5.248871G	Inf	1
43.95M	5.217775G	5.261725G	18.291M	5.230905G	5.249195G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX — EBW

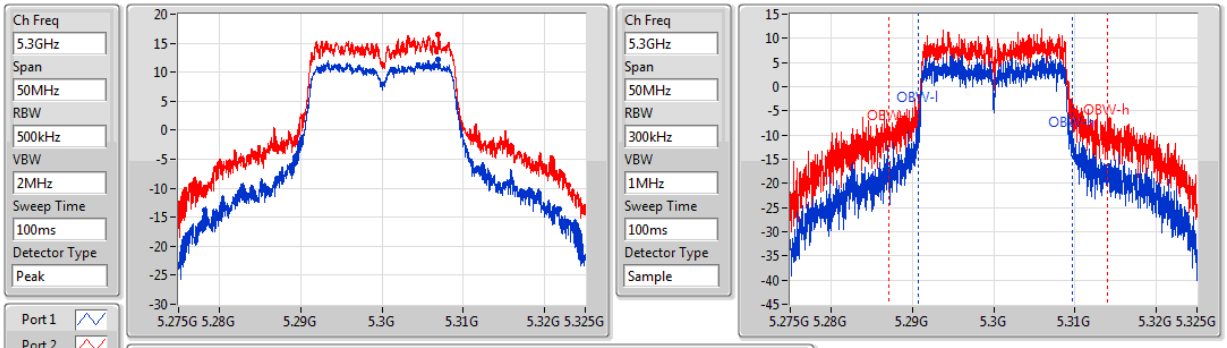
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.1M	5.2378G	5.2819G	18.066M	5.251079G	5.269145G	Inf	1
46.125M	5.237175G	5.2833G	23.613M	5.248756G	5.272369G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX — EBW

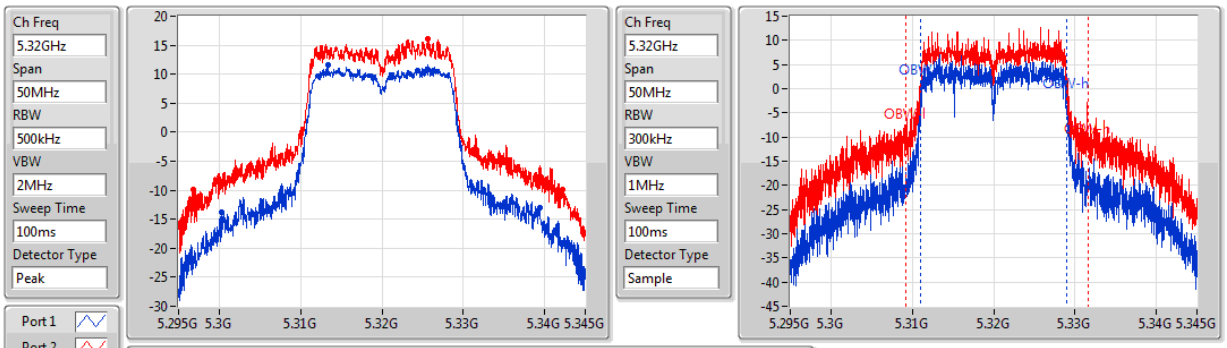
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.6M	5.27815G	5.32175G	18.966M	5.29068G	5.309645G	Inf	1
46.425M	5.276475G	5.3229G	26.862M	5.287131G	5.313993G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX — EBW

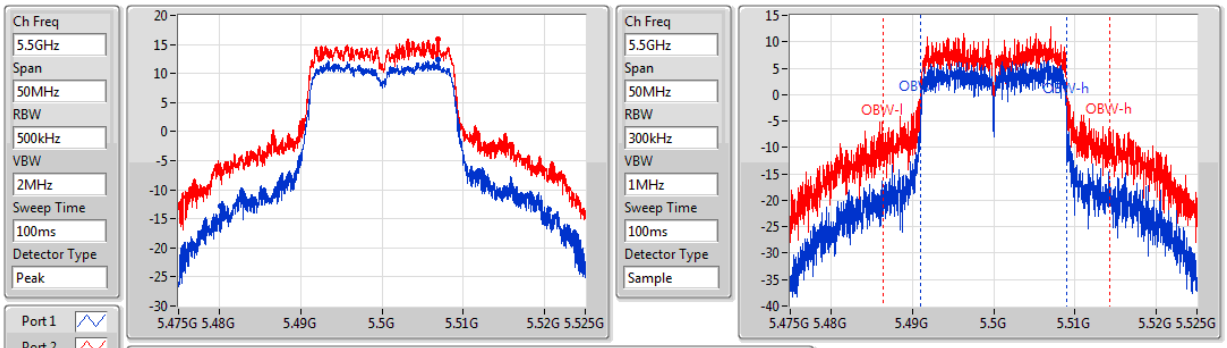
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.175M	5.300275G	5.33945G	17.916M	5.311054G	5.328971G	Inf	1
45.525M	5.29675G	5.342275G	22.414M	5.309155G	5.331569G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX — EBW

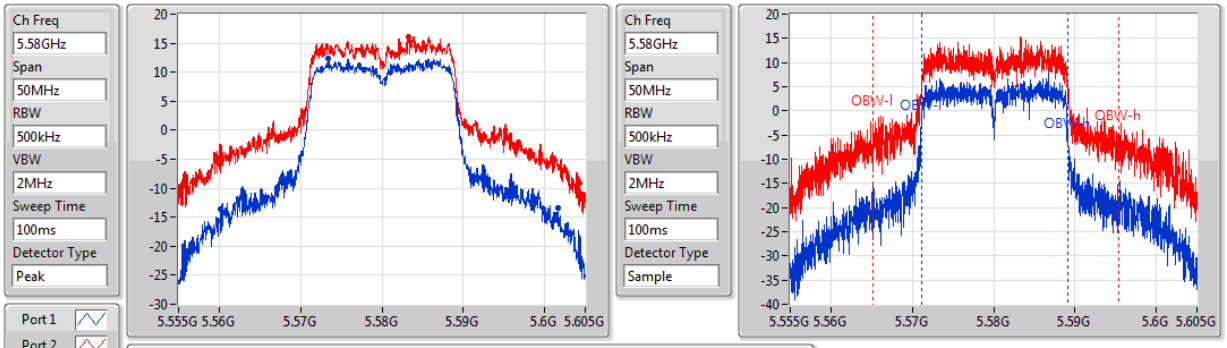
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.425M	5.480175G	5.5206G	17.941M	5.491054G	5.508996G	Inf	1
46.425M	5.476525G	5.52295G	27.886M	5.486457G	5.514343G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX — EBW

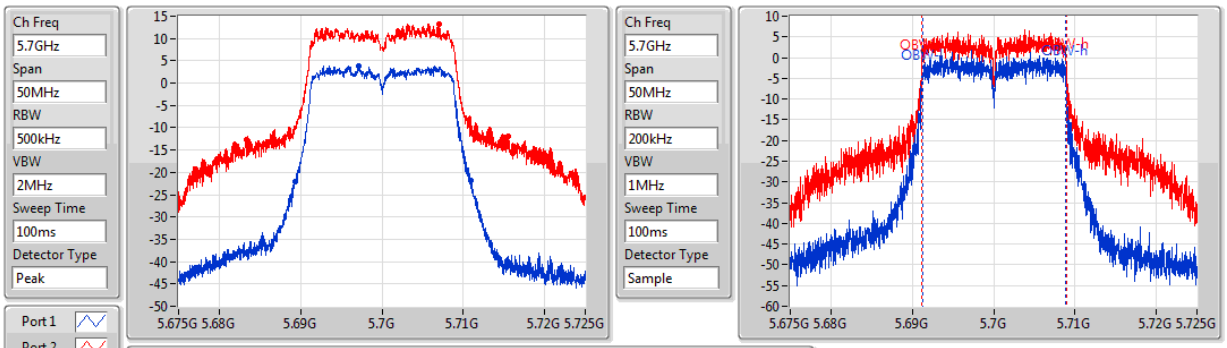
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.525M	5.560175G	5.6017G	18.016M	5.571104G	5.58912G	Inf	1
49.35M	5.555G	5.60435G	30.31M	5.565132G	5.595442G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX — EBW

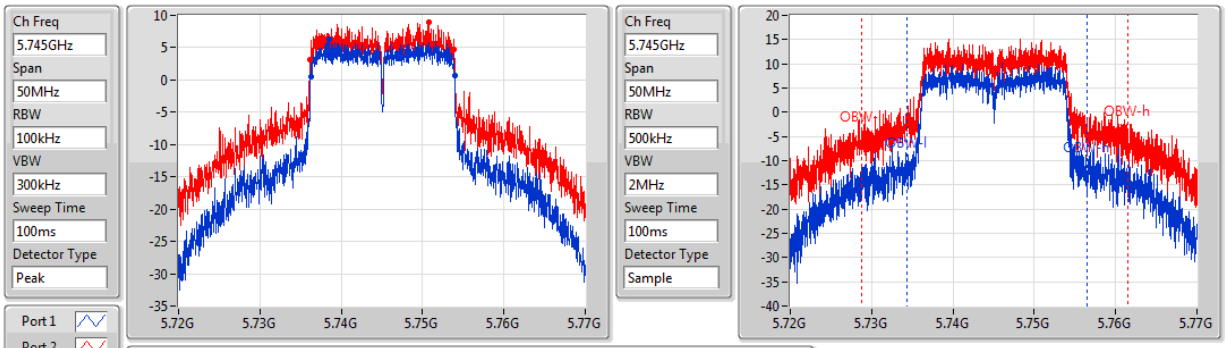
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.625M	5.6893G	5.710925G	17.616M	5.691229G	5.708846G	Inf	1
32.175M	5.683325G	5.7155G	17.766M	5.691179G	5.708946G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX — EBW

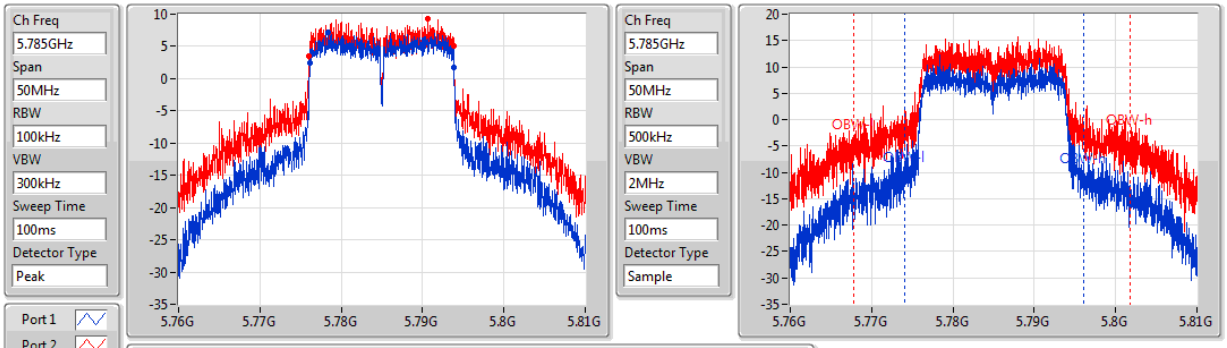
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.7M	5.73625G	5.75395G	22.164M	5.73433G	5.756494G	500k	1
17.675M	5.736225G	5.7539G	32.734M	5.728808G	5.761542G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX — EBW

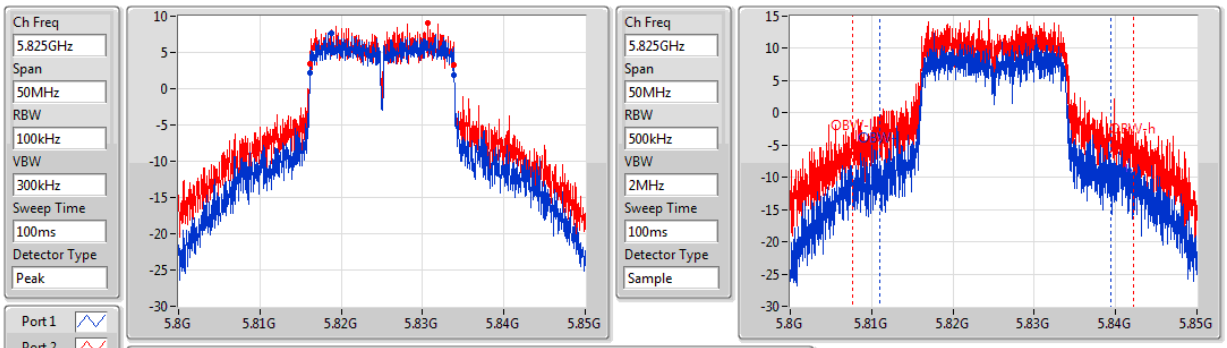
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.65M	5.776175G	5.793825G	22.039M	5.774055G	5.796094G	500k	1
17.725M	5.776075G	5.7938G	33.983M	5.767859G	5.801842G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX — EBW

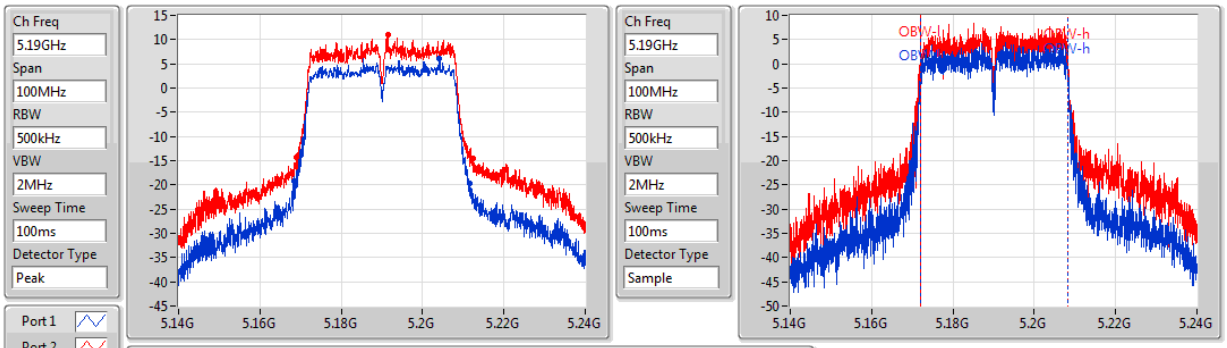
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.7M	5.816175G	5.833875G	28.361M	5.811032G	5.839393G	500k	1
17.65M	5.8162G	5.83385G	34.433M	5.807709G	5.842141G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

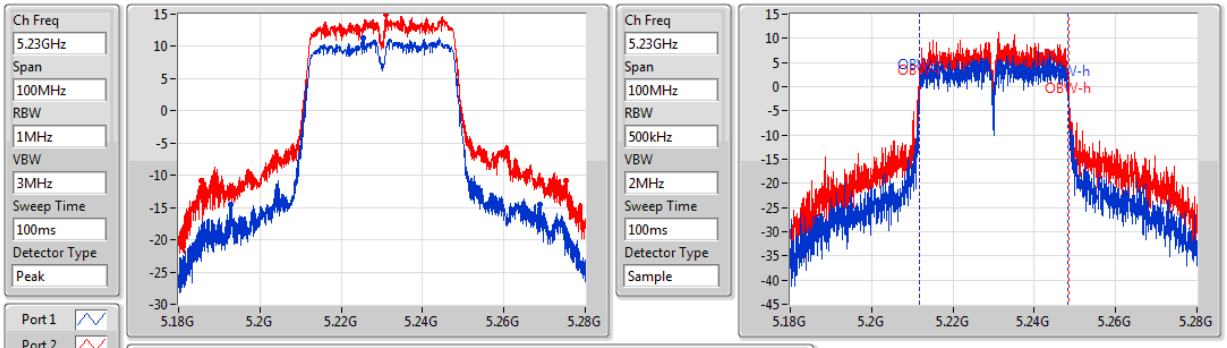
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.2M	5.1684G	5.2116G	36.182M	5.172009G	5.208191G	Inf	1
43.3M	5.169G	5.2123G	36.332M	5.171959G	5.208291G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

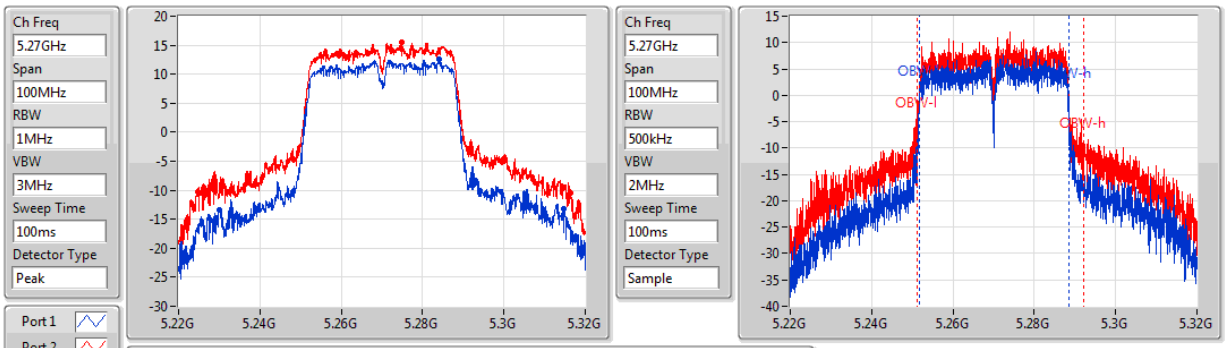
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.2M	5.1927G	5.2689G	36.382M	5.211859G	5.248241G	Inf	1
89.7M	5.18565G	5.27535G	36.882M	5.211659G	5.248541G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

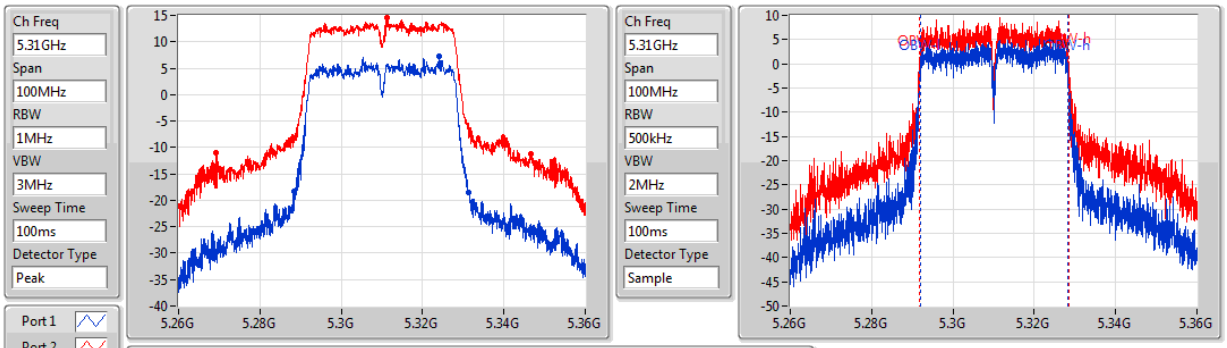
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84.75M	5.2299G	5.31465G	36.582M	5.251859G	5.288441G	Inf	1
91.7M	5.22465G	5.31635G	41.129M	5.251109G	5.292239G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX — EBW

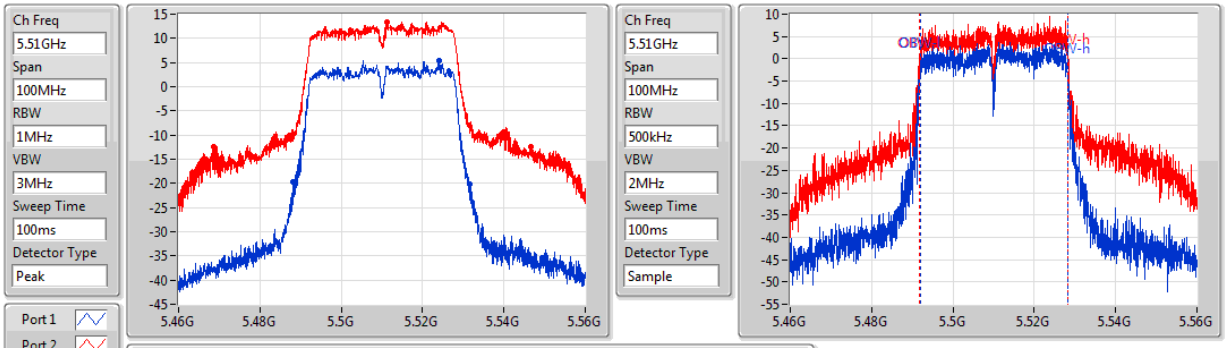
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.05M	5.28835G	5.3314G	36.232M	5.291959G	5.328191G	Inf	1
77.5M	5.26925G	5.34675G	36.532M	5.291859G	5.328391G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX — EBW

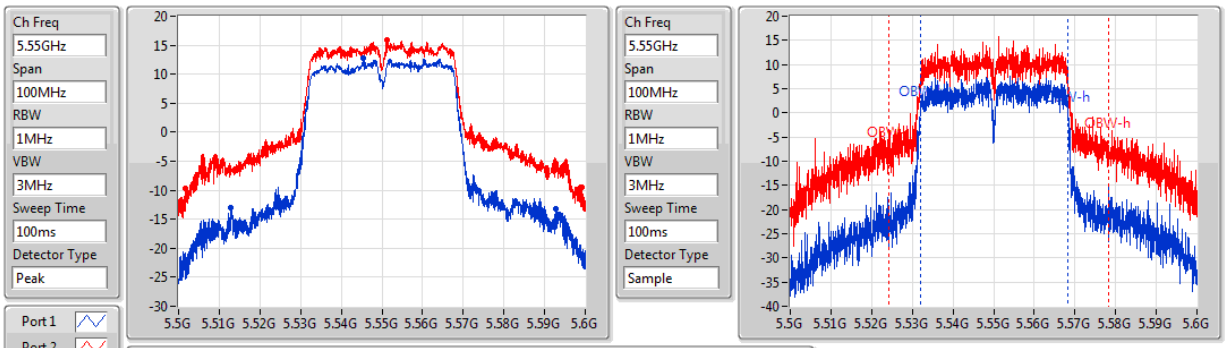
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.55M	5.48815G	5.5317G	36.132M	5.492009G	5.528141G	Inf	1
78M	5.4687G	5.5467G	36.482M	5.491859G	5.528341G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX — EBW

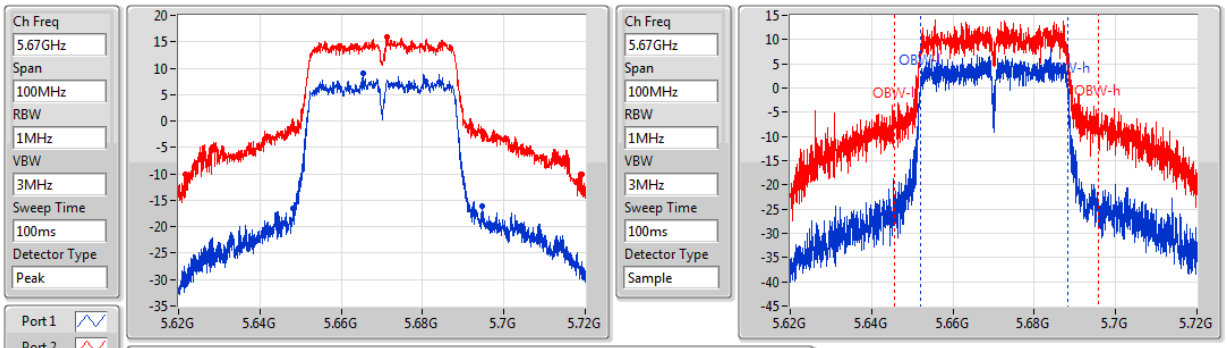
5550MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.05M	5.5128G	5.59285G	36.382M	5.531909G	5.568291G	Inf	1
97.5M	5.5017G	5.5992G	54.173M	5.524113G	5.578286G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX — EBW

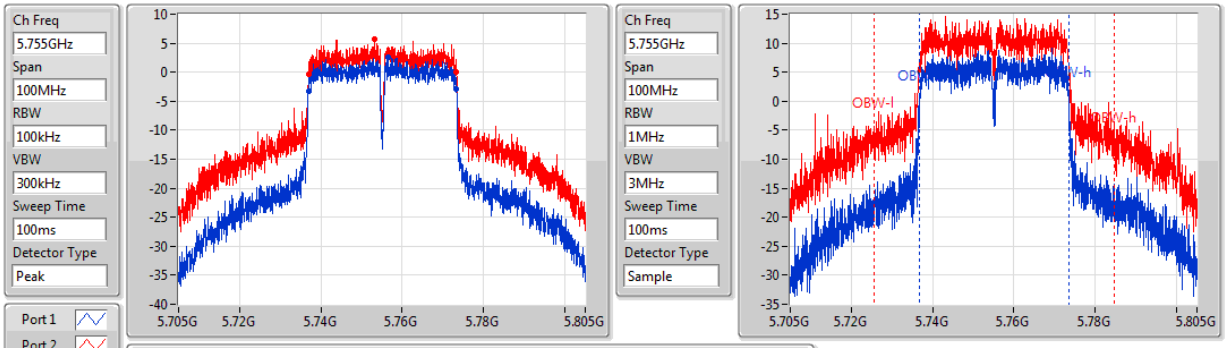
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
46.45M	5.64815G	5.6946G	36.232M	5.651959G	5.688191G	Inf	1
97.45M	5.62165G	5.7191G	50.225M	5.645512G	5.695737G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX — EBW

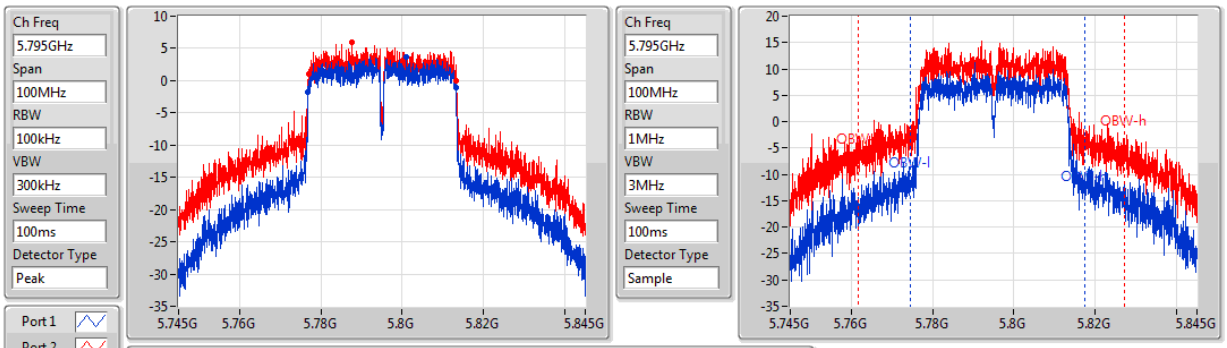
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.45M	5.7369G	5.77335G	36.782M	5.736809G	5.773591G	500k	1
36.4M	5.73695G	5.77335G	59.07M	5.725565G	5.784635G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX — EBW

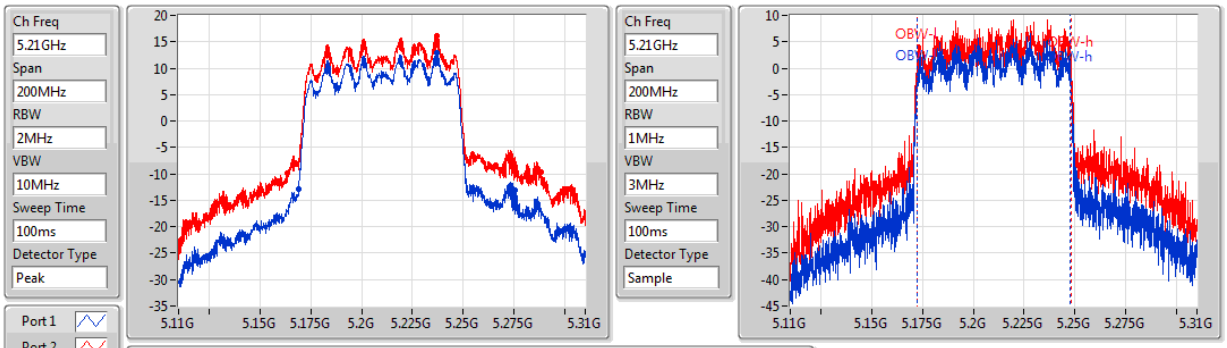
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.4M	5.77685G	5.81325G	42.979M	5.77456G	5.817539G	500k	1
36.45M	5.7769G	5.81335G	65.417M	5.761667G	5.827084G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX — EBW

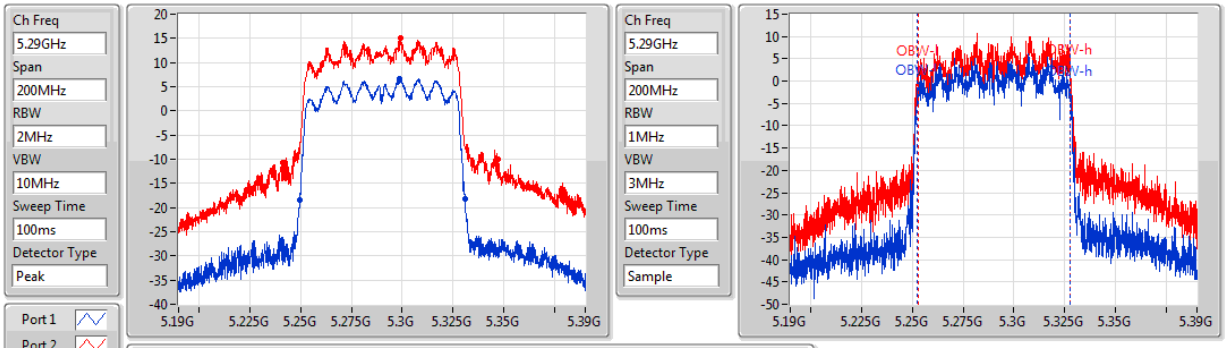
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
106.7M	5.169G	5.2757G	75.362M	5.172519G	5.247881G	Inf	1
124.6M	5.1634G	5.288G	75.762M	5.172419G	5.248181G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX — EBW

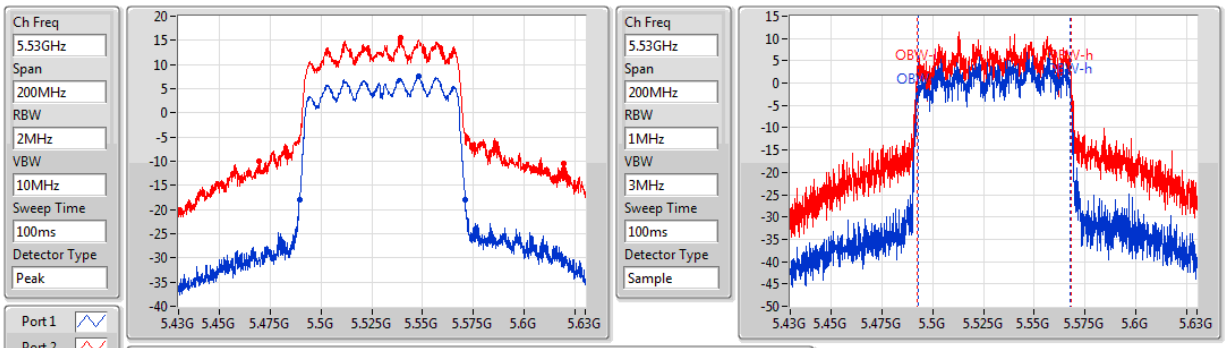
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.3M	5.2495G	5.3308G	74.963M	5.252619G	5.327581G	Inf	1
106.3M	5.241G	5.3473G	74.963M	5.252719G	5.327681G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX — EBW

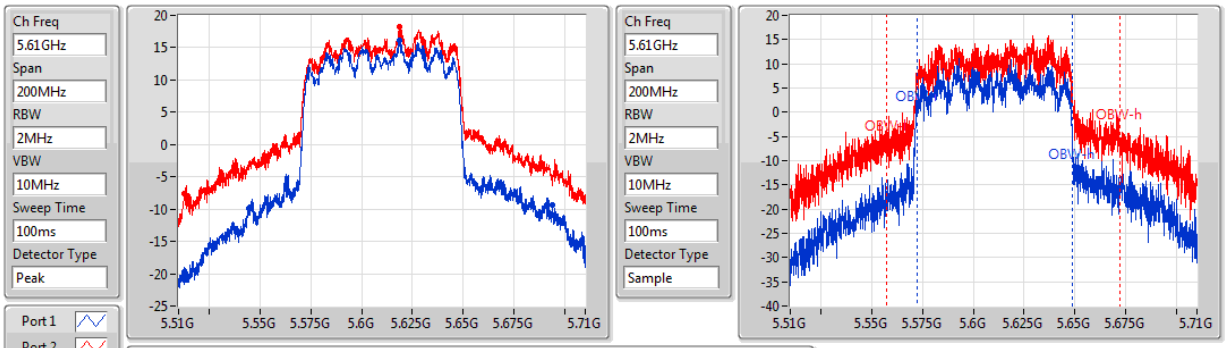
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.5M	5.4895G	5.571G	74.763M	5.492719G	5.567481G	Inf	1
150M	5.4693G	5.6193G	76.062M	5.492219G	5.568281G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

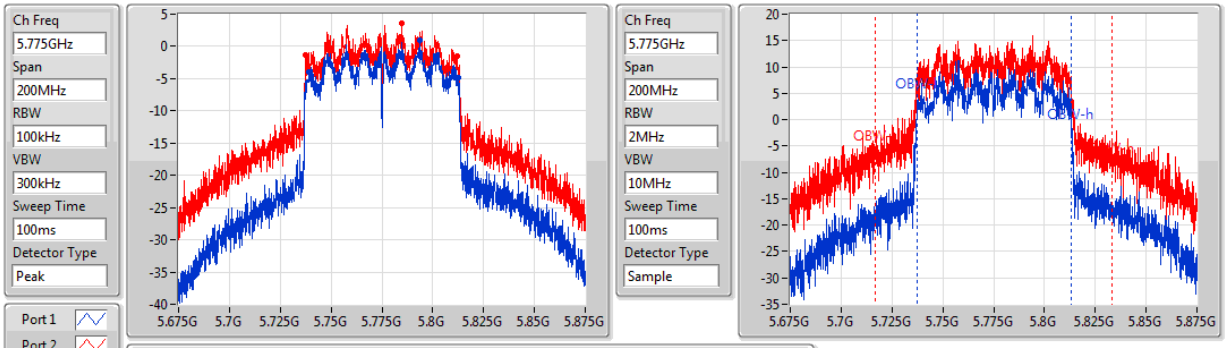
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
149.6M	5.5444G	5.694G	76.862M	5.572119G	5.648981G	Inf	1
194.9M	5.513G	5.7079G	114.943M	5.557126G	5.672069G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.3M	5.7391G	5.8124G	76.162M	5.737219G	5.813381G	500k	1
74.4M	5.7376G	5.812G	116.642M	5.716629G	5.833271G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5.15-5.25GHz	48.325M	26.562M	26M6D1D	40.65M	18.266M
5.25-5.35GHz	47.825M	31.284M	31M3D1D	39.625M	17.841M
5.47-5.725GHz	50M	33.483M	33M5D1D	32.325M	16.667M
5.725-5.85GHz	16.5M	36.132M	36M1D1D	16.45M	35.257M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	43.65M	18.116M	18M1D1D	22.1M	17.741M
5.25-5.35GHz	45.75M	21.264M	21M3D1D	38.675M	17.816M
5.47-5.725GHz	45.375M	21.164M	21M2D1D	22.075M	17.691M
5.725-5.85GHz	17.775M	29.96M	30M0D1D	17.675M	22.814M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	71.7M	36.382M	36M4D1D	43.75M	36.232M
5.25-5.35GHz	72.65M	36.532M	36M5D1D	43.8M	36.182M
5.47-5.725GHz	88.2M	37.631M	37M6D1D	43.85M	36.182M
5.725-5.85GHz	36.4M	52.524M	52M5D1D	36.35M	45.177M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	82.1M	74.963M	75M0D1D	82M	74.963M
5.25-5.35GHz	85.6M	75.262M	75M3D1D	81.9M	75.162M
5.47-5.725GHz	161.1M	76.762M	76M8D1D	82.2M	75.162M
5.725-5.85GHz	75.7M	97.051M	97M1D1D	75.6M	77.261M

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

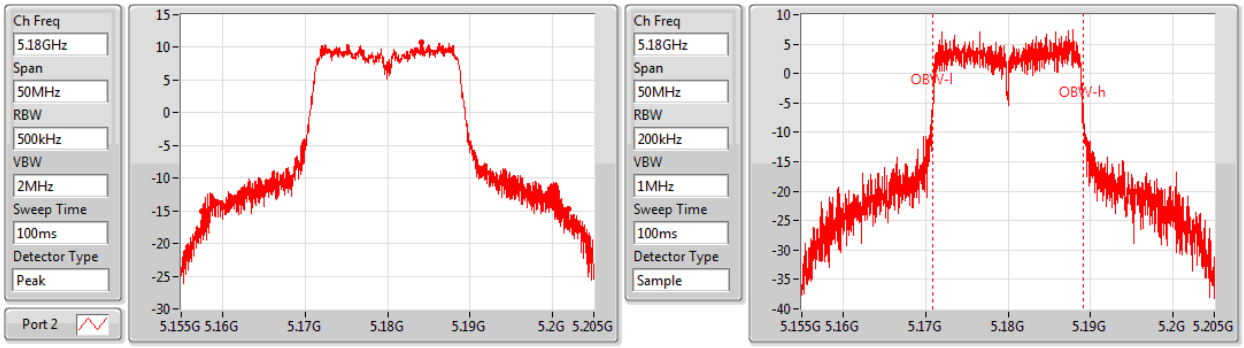
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-
5180MHz	Pass	Inf			44.4M	18.266M
5200MHz	Pass	Inf			48.325M	26.562M
5240MHz	Pass	Inf			40.65M	19.515M
5260MHz	Pass	Inf			46.35M	30.46M
5300MHz	Pass	Inf			47.825M	31.284M
5320MHz	Pass	Inf			39.625M	17.841M
5500MHz	Pass	Inf			40.225M	17.941M
5580MHz	Pass	Inf			50M	33.483M
5700MHz	Pass	Inf			32.325M	16.667M
5745MHz	Pass	500k			16.5M	35.257M
5785MHz	Pass	500k			16.45M	35.807M
5825MHz	Pass	500k			16.475M	36.132M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	22.1M	17.741M	39.5M	17.866M
5200MHz	Pass	Inf	22.875M	17.741M	39.75M	17.891M
5240MHz	Pass	Inf	38.025M	17.766M	43.65M	18.116M
5260MHz	Pass	Inf	42.675M	17.816M	45.2M	19.24M
5300MHz	Pass	Inf	39.15M	17.816M	45.75M	21.264M
5320MHz	Pass	Inf	38.675M	17.816M	44.95M	18.466M
5500MHz	Pass	Inf	43.35M	18.016M	45.375M	20.815M
5580MHz	Pass	Inf	44.825M	18.216M	45.3M	21.164M
5700MHz	Pass	Inf	22.075M	17.691M	23.85M	17.716M
5745MHz	Pass	500k	17.775M	26.512M	17.7M	22.814M
5785MHz	Pass	500k	17.675M	29.96M	17.7M	25.862M
5825MHz	Pass	500k	17.75M	29.71M	17.775M	22.989M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	43.95M	36.232M	43.75M	36.232M
5230MHz	Pass	Inf	46.85M	36.382M	71.7M	36.382M
5270MHz	Pass	Inf	56.15M	36.382M	72.65M	36.532M
5310MHz	Pass	Inf	43.8M	36.182M	56.45M	36.232M
5510MHz	Pass	Inf	43.85M	36.232M	44.65M	36.182M
5550MHz	Pass	Inf	74.15M	36.482M	88.2M	37.631M
5670MHz	Pass	Inf	56.05M	36.282M	84.7M	36.782M
5755MHz	Pass	500k	36.4M	46.627M	36.35M	46.877M
5795MHz	Pass	500k	36.4M	52.524M	36.4M	45.177M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.1M	74.963M	82M	74.963M
5290MHz	Pass	Inf	81.9M	75.162M	85.6M	75.262M
5530MHz	Pass	Inf	82.2M	75.162M	110.1M	75.262M
5610MHz	Pass	Inf	131.4M	75.762M	161.1M	76.762M
5775MHz	Pass	500k	75.7M	97.051M	75.6M	77.261M

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 — EBW

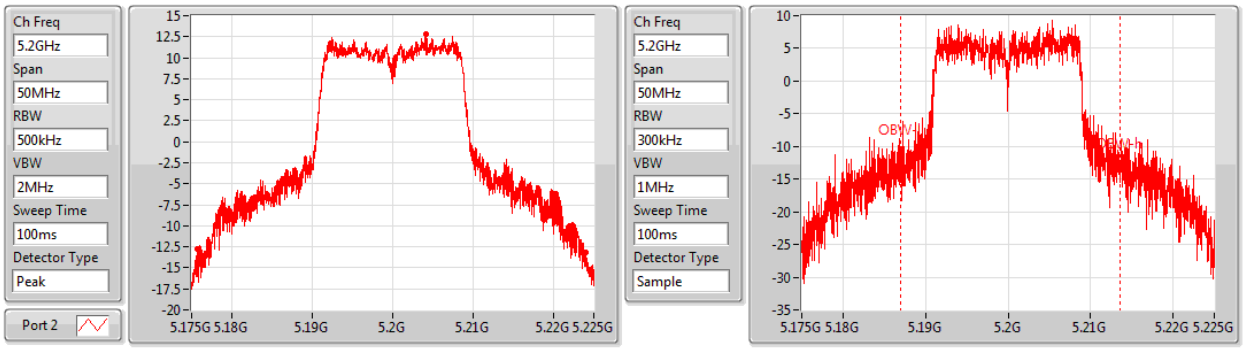
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.4M	5.15755G	5.20195G	18.266M	5.17088G	5.189145G	Inf	2

802.11a_Nss1,(6Mbps)_1TX — EBW

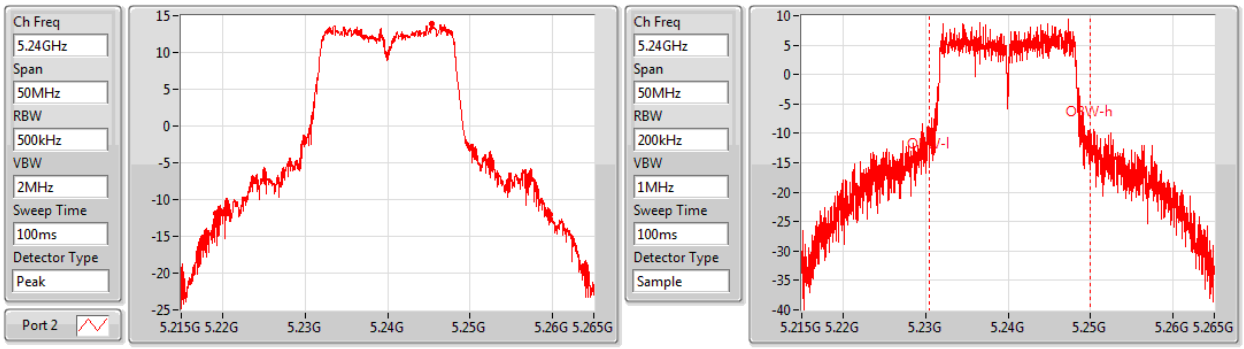
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.325M	5.175675G	5.224G	26.562M	5.186957G	5.213518G	Inf	2

802.11a_Nss1,(6Mbps)_1TX — EBW

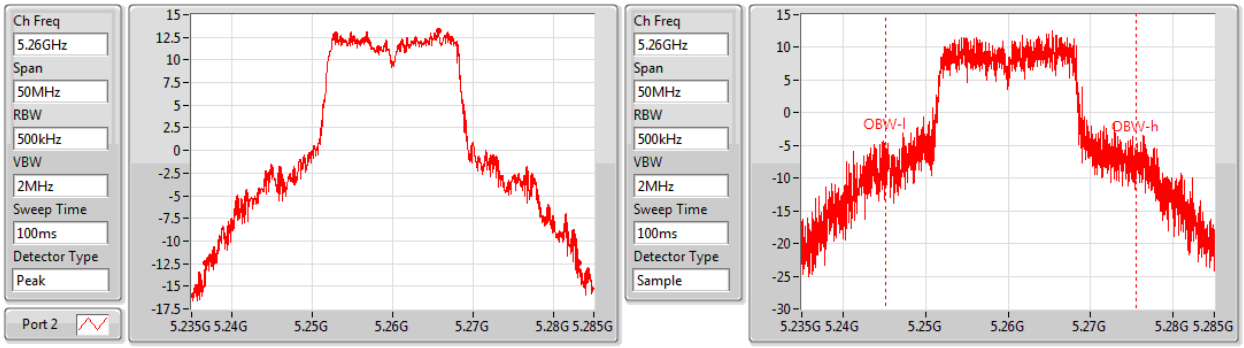
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.65M	5.219125G	5.259775G	19.515M	5.23043G	5.249945G	Inf	2

802.11a_Nss1,(6Mbps)_1TX EBW

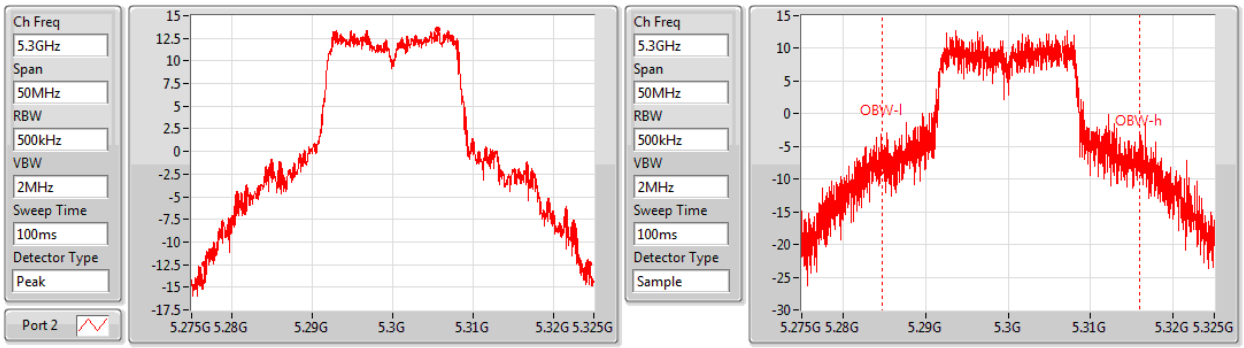
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
46.35M	5.23675G	5.2831G	30.46M	5.245107G	5.275567G	Inf	2

802.11a_Nss1,(6Mbps)_1TX EBW

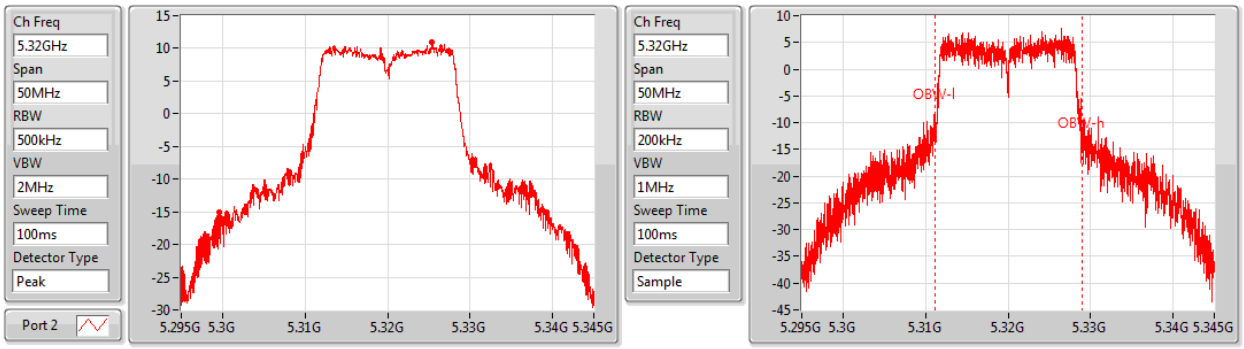
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
47.825M	5.276625G	5.32445G	31.284M	5.284683G	5.315967G	Inf	2

802.11a_Nss1,(6Mbps)_1TX EBW

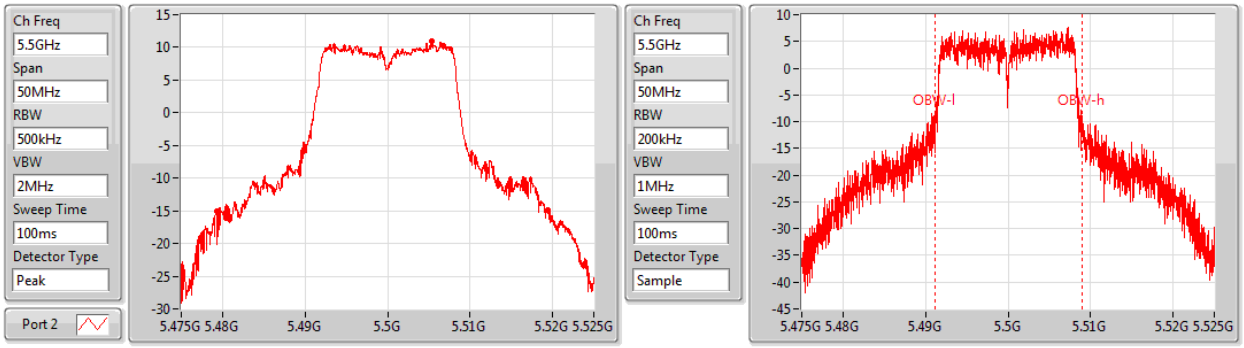
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.625M	5.2996G	5.339225G	17.841M	5.311129G	5.328971G	Inf	2

802.11a_Nss1,(6Mbps)_1TX — EBW

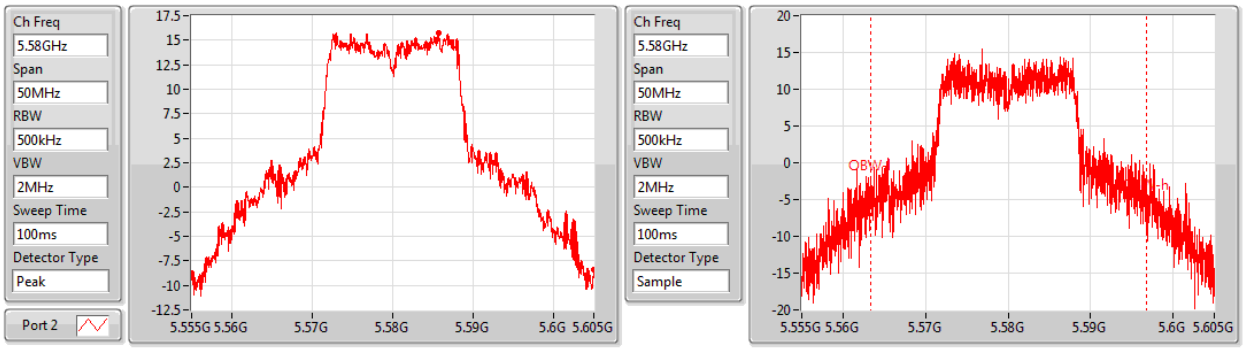
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.225M	5.47925G	5.519475G	17.941M	5.491104G	5.509045G	Inf	2

802.11a_Nss1,(6Mbps)_1TX — EBW

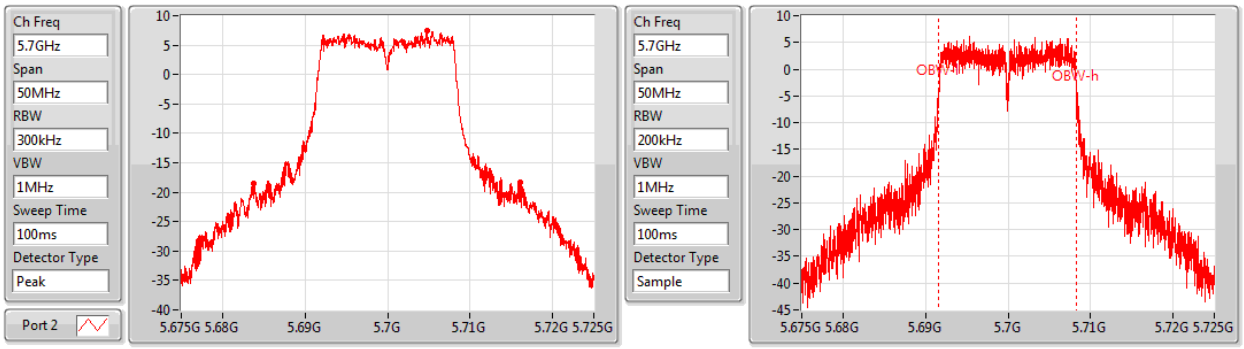
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
50M	5.555G	5.605G	33.483M	5.563333G	5.596817G	Inf	2

802.11a_Nss1,(6Mbps)_1TX — EBW

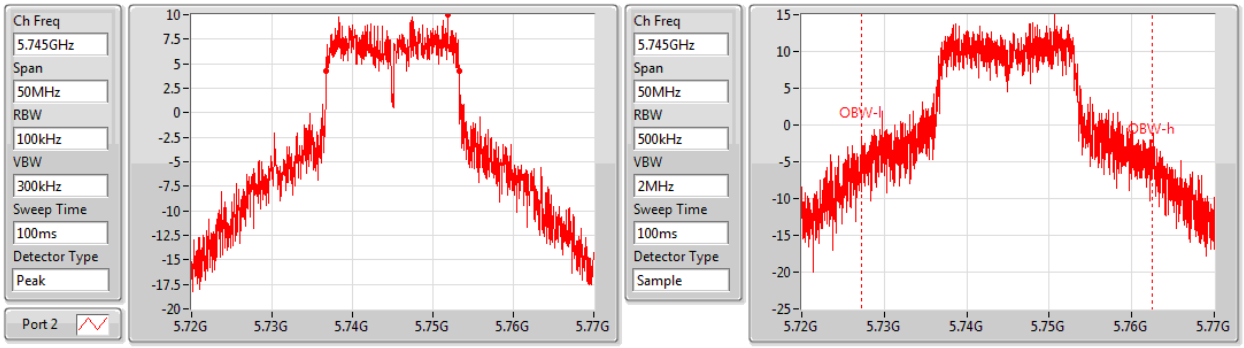
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.325M	5.68375G	5.716075G	16.667M	5.691629G	5.708296G	Inf	2

802.11a_Nss1,(6Mbps)_1TX EBW

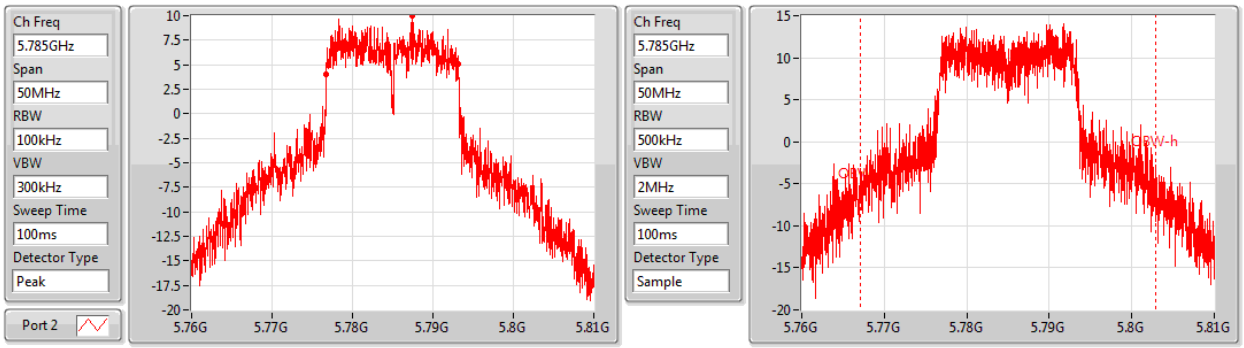
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.5M	5.73675G	5.75325G	35.257M	5.727284G	5.762541G	500k	2

802.11a_Nss1,(6Mbps)_1TX EBW

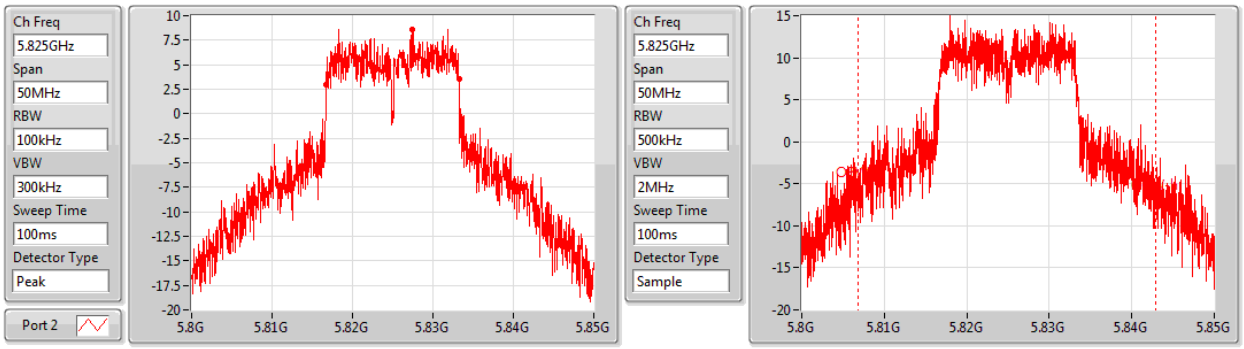
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.45M	5.776725G	5.793175G	35.807M	5.767034G	5.802841G	500k	2

802.11a_Nss1,(6Mbps)_1TX EBW

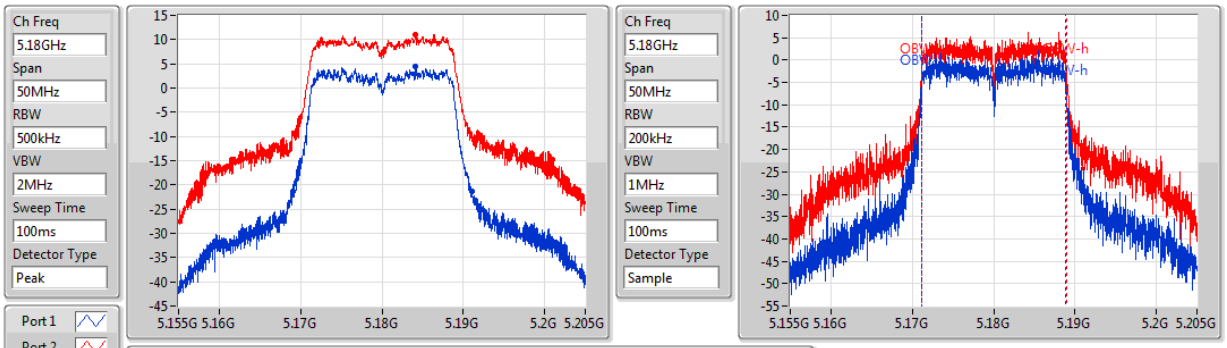
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.475M	5.81675G	5.833225G	36.132M	5.806784G	5.842916G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

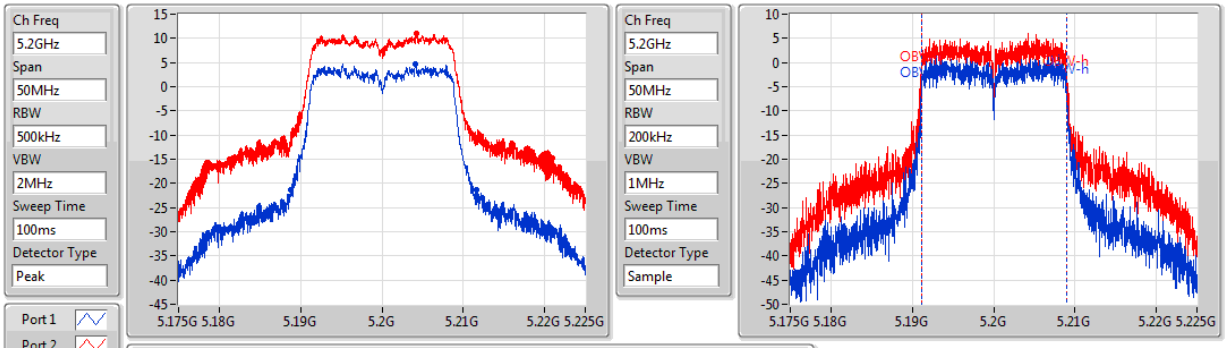
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.1M	5.169G	5.1911G	17.741M	5.171154G	5.188896G	Inf	1
39.5M	5.161525G	5.201025G	17.866M	5.171129G	5.188996G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

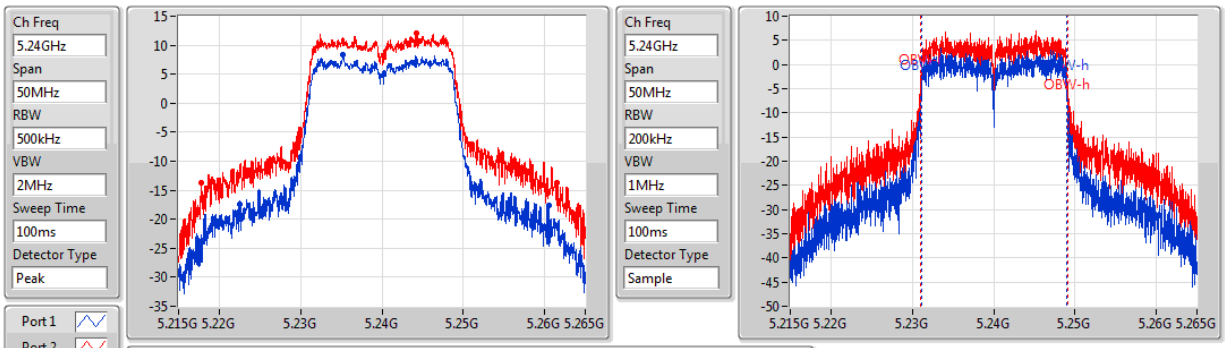
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.875M	5.1888G	5.211675G	17.741M	5.191179G	5.208921G	Inf	1
39.75M	5.18125G	5.221G	17.891M	5.191129G	5.20902G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

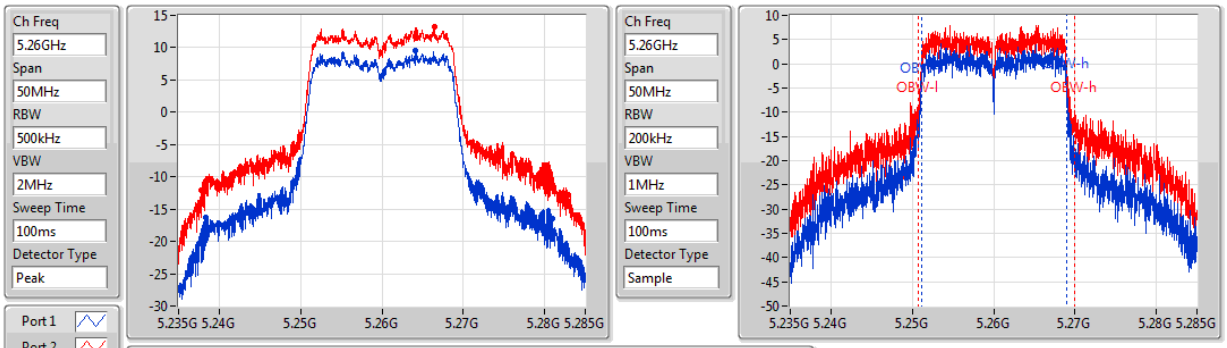
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.025M	5.222475G	5.2605G	17.766M	5.231154G	5.248921G	Inf	1
43.65M	5.21785G	5.2615G	18.116M	5.231029G	5.249145G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

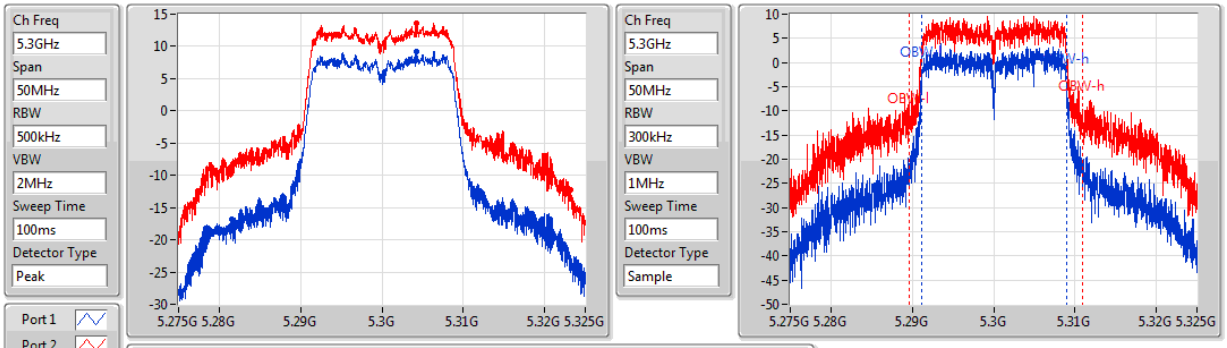
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.675M	5.23835G	5.281025G	17.816M	5.251104G	5.268921G	Inf	1
45.2M	5.23775G	5.28295G	19.24M	5.250755G	5.269995G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

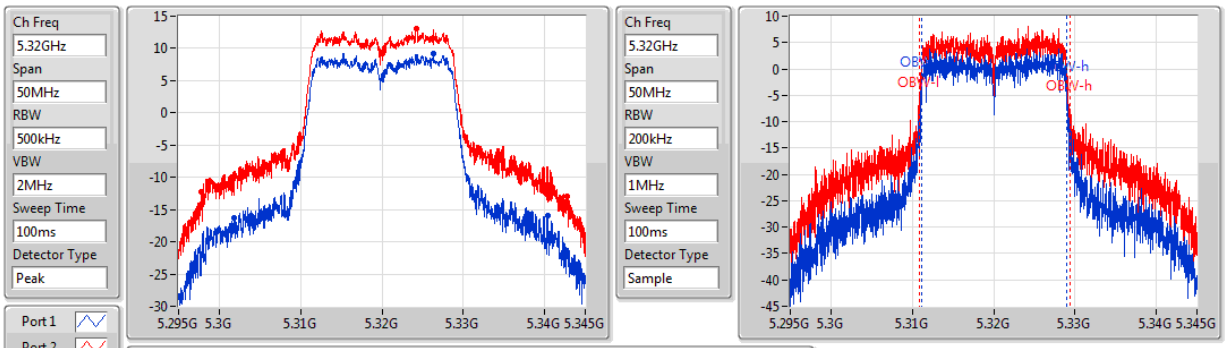
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.15M	5.2816G	5.32075G	17.816M	5.291129G	5.308946G	Inf	1
45.75M	5.277375G	5.323125G	21.264M	5.28968G	5.310945G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

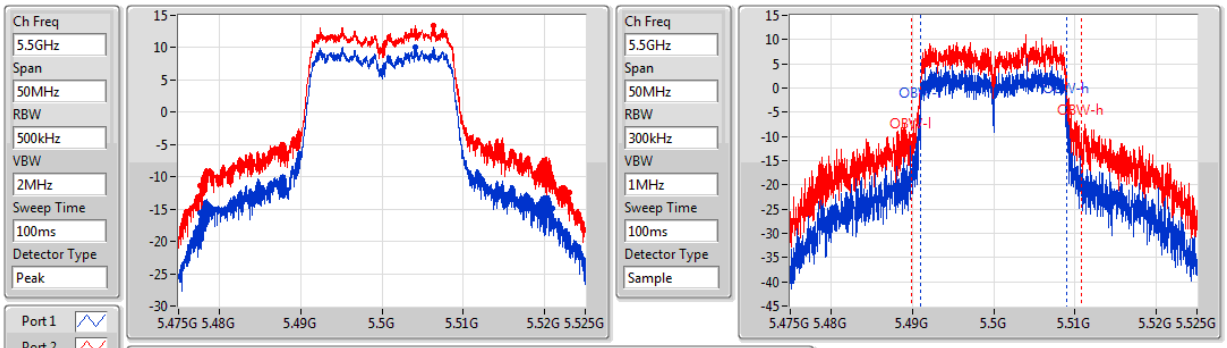
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.675M	5.301775G	5.34045G	17.816M	5.311154G	5.328971G	Inf	1
44.95M	5.2978G	5.34275G	18.466M	5.31093G	5.329395G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

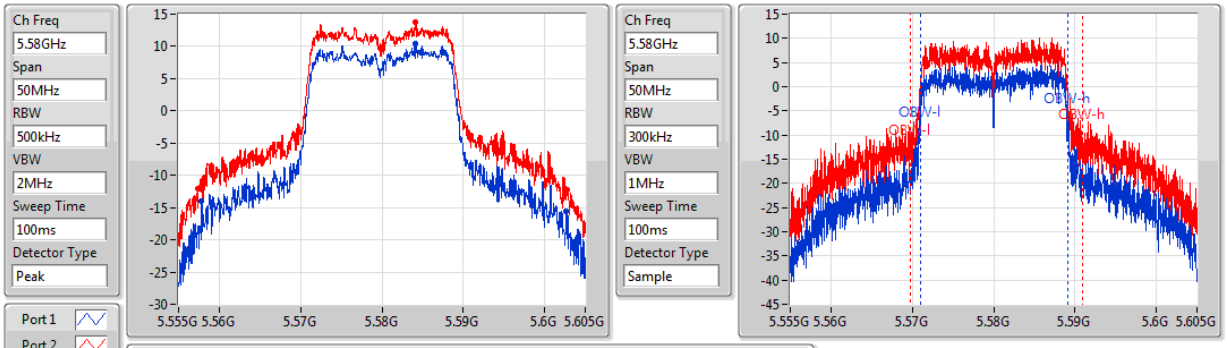
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.35M	5.477675G	5.521025G	18.016M	5.49098G	5.508996G	Inf	1
45.375M	5.477675G	5.52305G	20.815M	5.48993G	5.510745G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

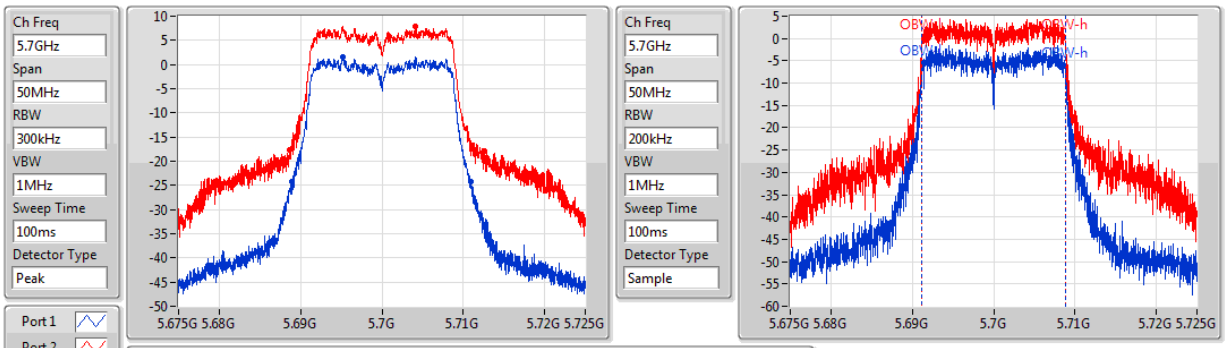
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.825M	5.557825G	5.60265G	18.216M	5.570955G	5.58917G	Inf	1
45.3M	5.557425G	5.602725G	21.164M	5.569805G	5.59097G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

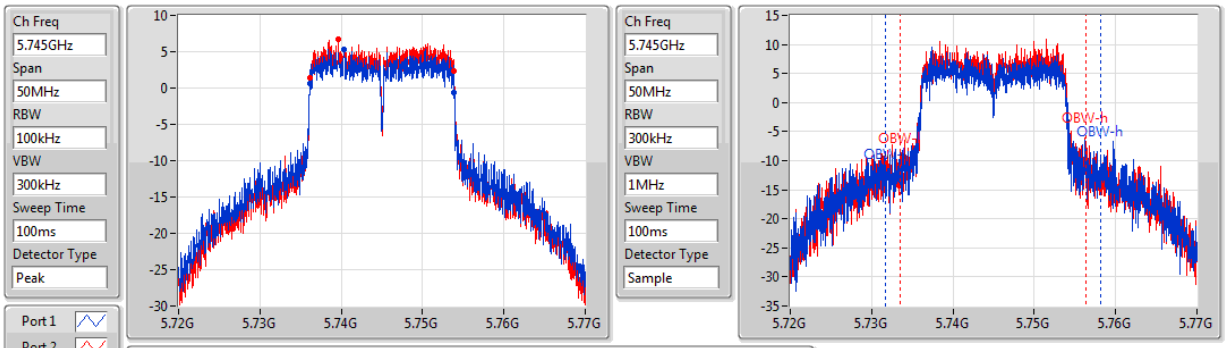
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.075M	5.688875G	5.71095G	17.691M	5.691154G	5.708846G	Inf	1
23.85M	5.6887G	5.71255G	17.716M	5.691154G	5.708871G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

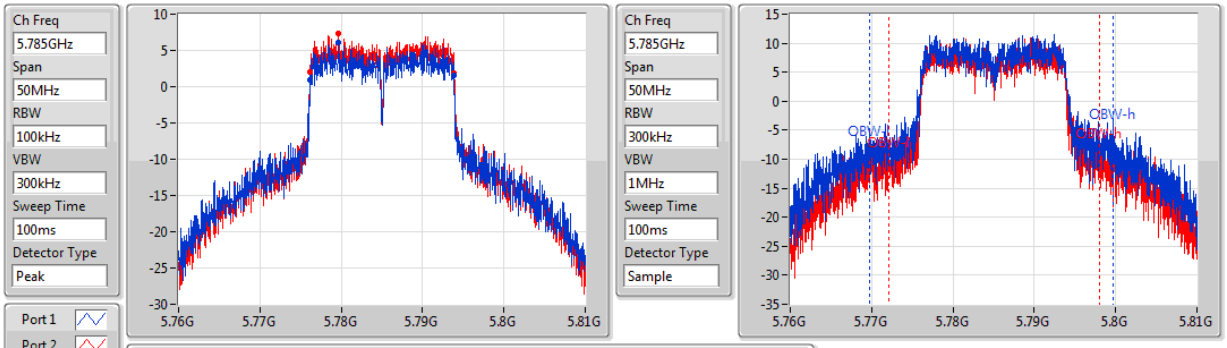
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.775M	5.736125G	5.7539G	26.512M	5.731632G	5.758143G	500k	1
17.7M	5.736125G	5.753825G	22.814M	5.733531G	5.756344G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

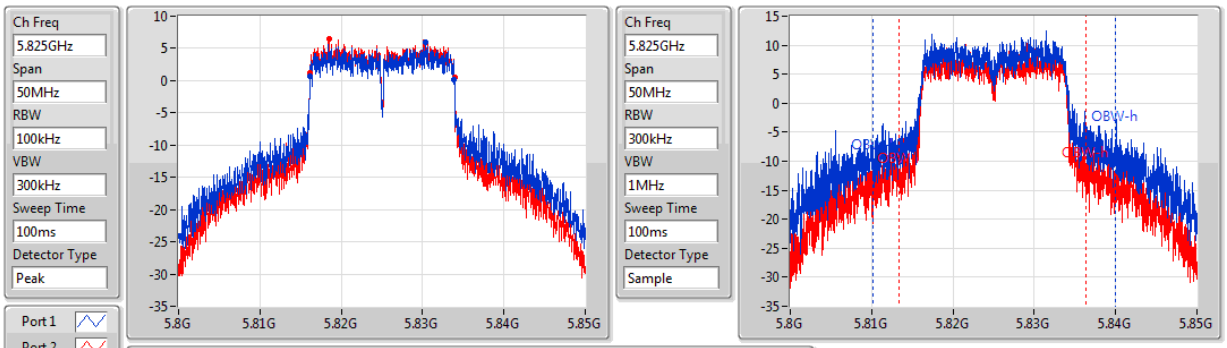
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.675M	5.77615G	5.793825G	29.96M	5.769758G	5.799718G	500k	1
17.7M	5.776175G	5.793875G	25.862M	5.772106G	5.797969G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

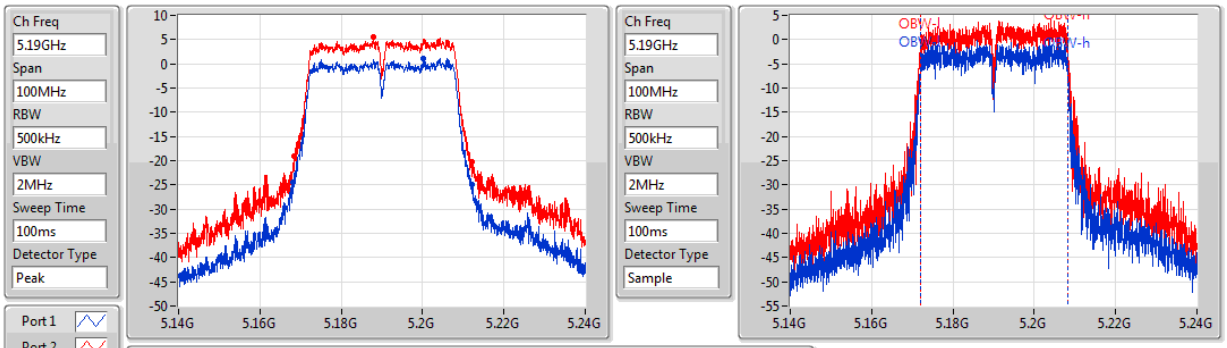
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.75M	5.816125G	5.833875G	29.71M	5.810232G	5.839943G	500k	1
17.775M	5.81615G	5.833925G	22.989M	5.813406G	5.836394G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

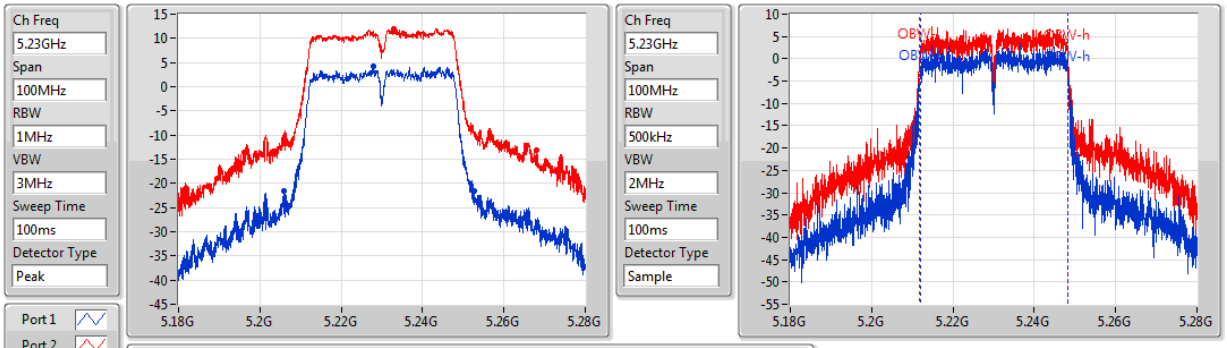
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.95M	5.1681G	5.21205G	36.232M	5.171959G	5.208191G	Inf	1
43.75M	5.16845G	5.2122G	36.232M	5.171959G	5.208191G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

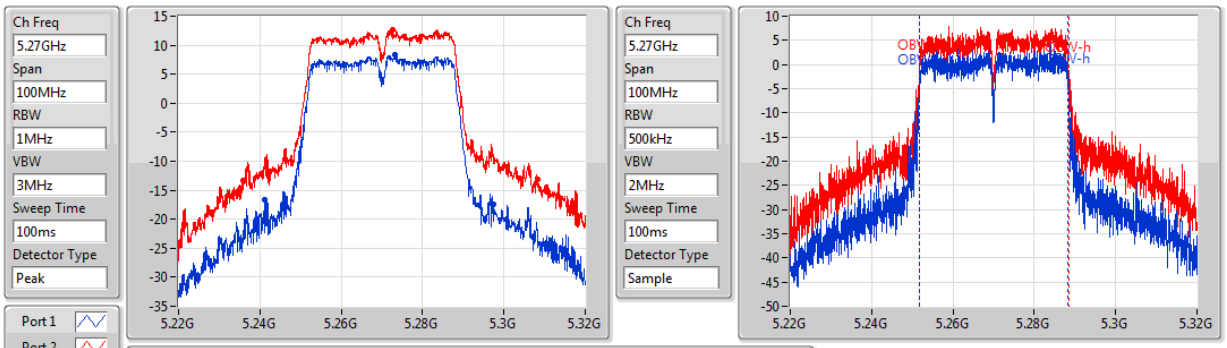
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
46.85M	5.20585G	5.2527G	36.382M	5.211909G	5.248291G	Inf	1
71.7M	5.19625G	5.26795G	36.382M	5.211859G	5.248241G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

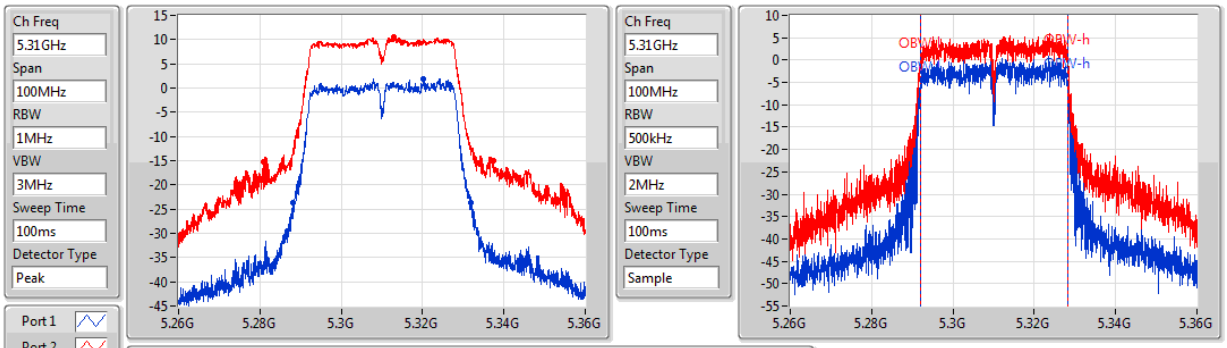
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
56.15M	5.2413G	5.29745G	36.382M	5.251859G	5.288241G	Inf	1
72.65M	5.23575G	5.3084G	36.532M	5.251859G	5.288391G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

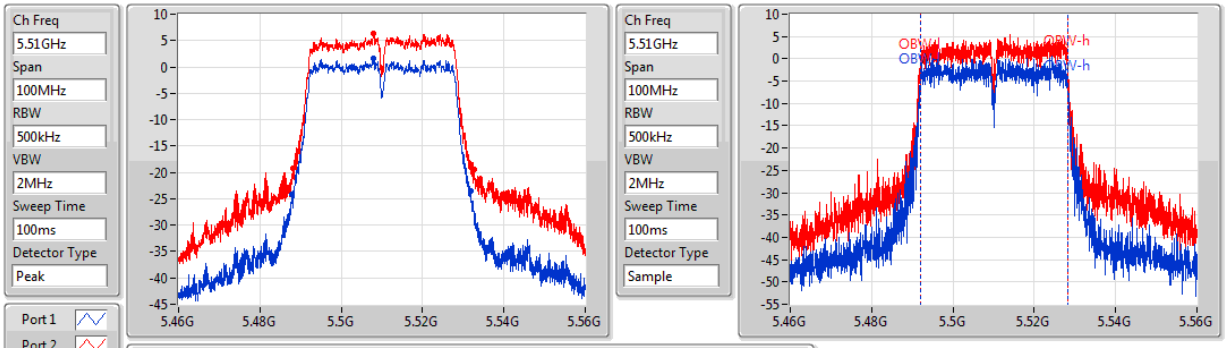
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.8M	5.2882G	5.332G	36.182M	5.291959G	5.328141G	Inf	1
56.45M	5.281G	5.33745G	36.232M	5.291959G	5.328191G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

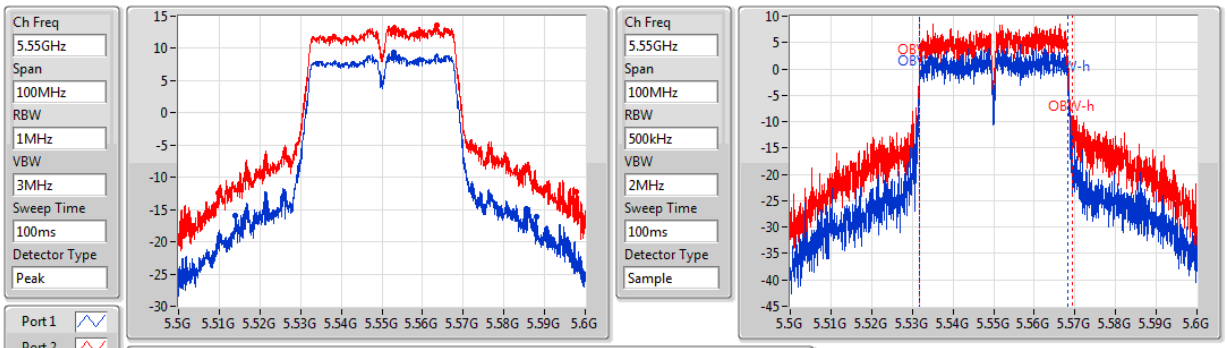
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.85M	5.48795G	5.5318G	36.232M	5.491909G	5.528141G	Inf	1
44.65M	5.4881G	5.53275G	36.182M	5.491959G	5.528141G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

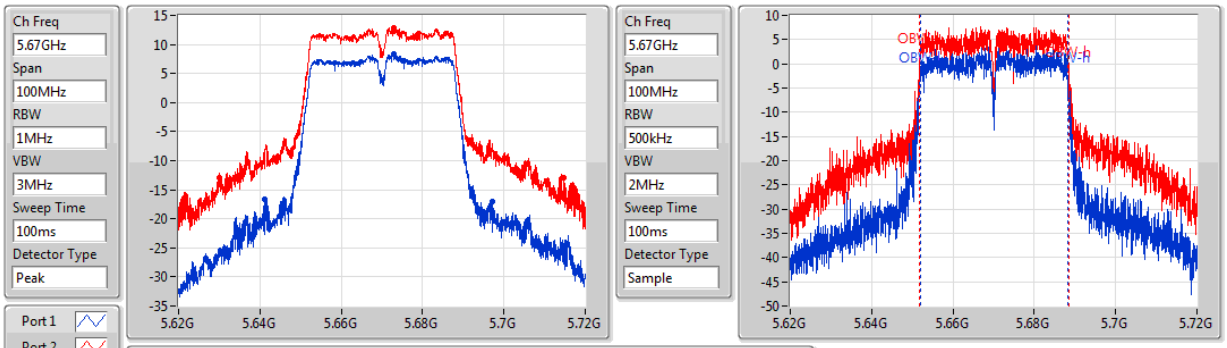
5550MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
74.15M	5.51385G	5.588G	36.482M	5.531809G	5.568291G	Inf	1
88.2M	5.50965G	5.59785G	37.631M	5.531709G	5.56934G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

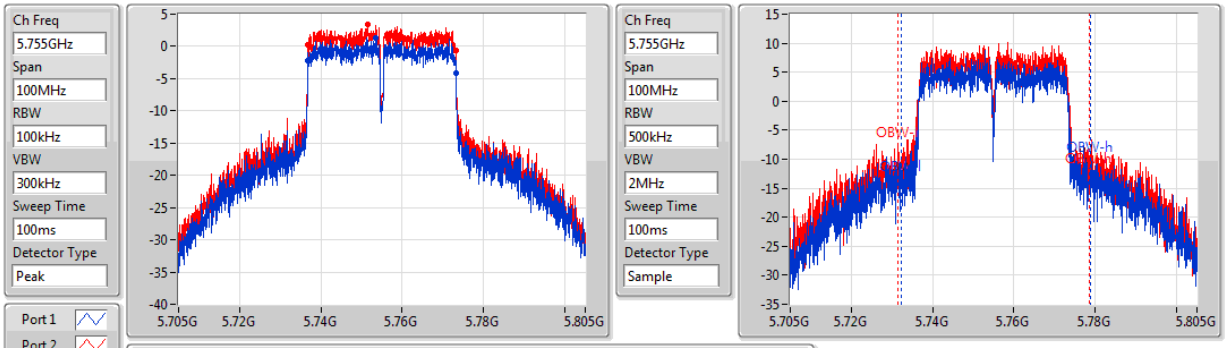
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
56.05M	5.64115G	5.6972G	36.282M	5.651909G	5.688191G	Inf	1
84.7M	5.62995G	5.71465G	36.782M	5.651709G	5.688491G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

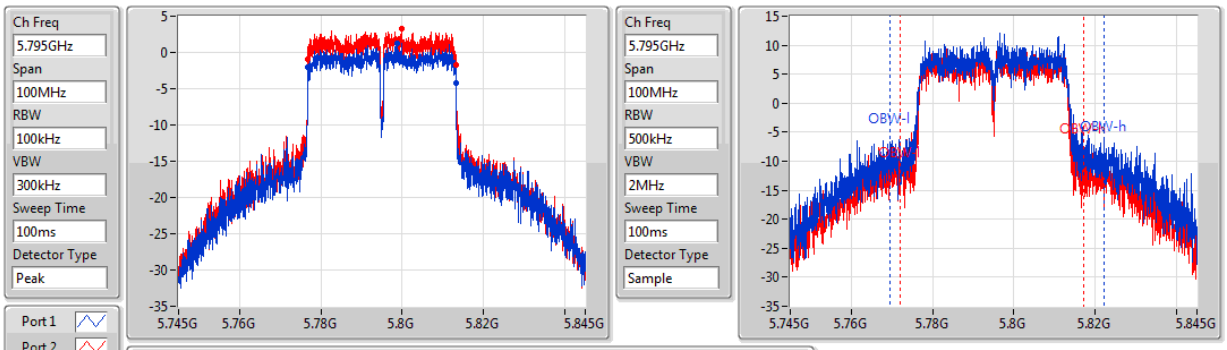
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.4M	5.7368G	5.7732G	46.627M	5.732161G	5.778788G	500k	1
36.35M	5.7368G	5.77315G	46.877M	5.731562G	5.778438G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

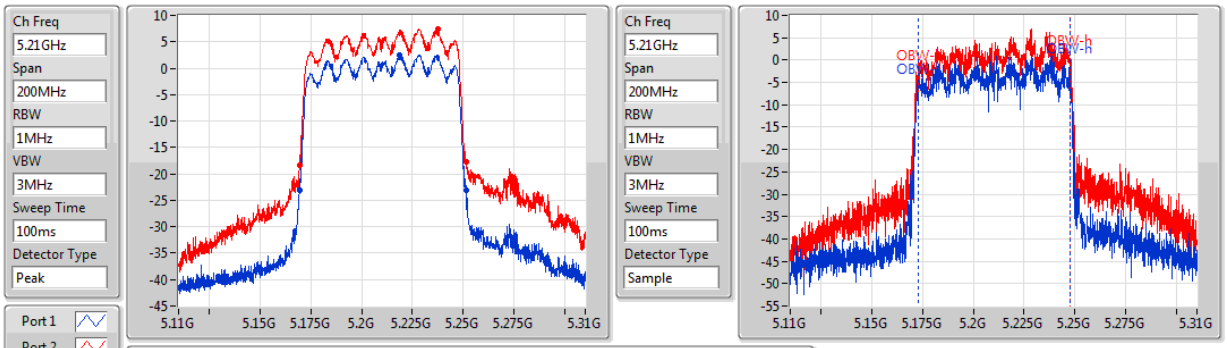
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.4M	5.7768G	5.8132G	52.524M	5.769513G	5.822036G	500k	1
36.4M	5.7768G	5.8132G	45.177M	5.771912G	5.817089G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

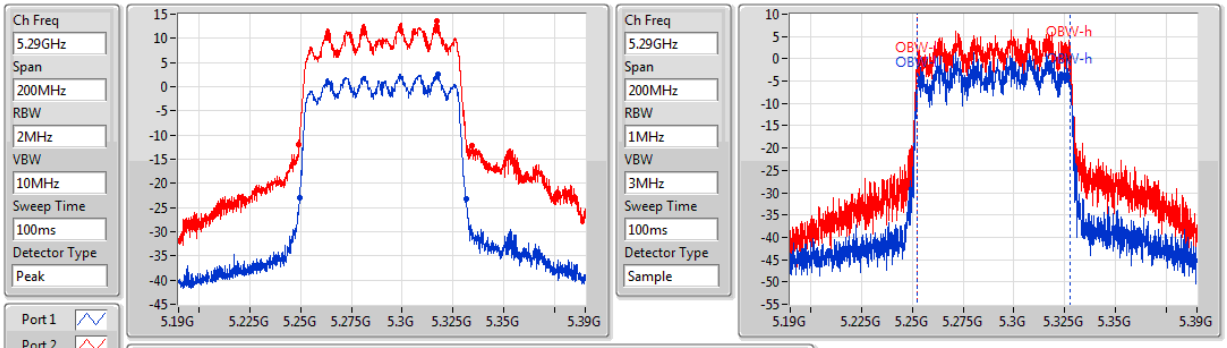
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.1M	5.1694G	5.2515G	74.963M	5.172719G	5.247681G	Inf	1
82M	5.1696G	5.2516G	74.963M	5.172819G	5.247781G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

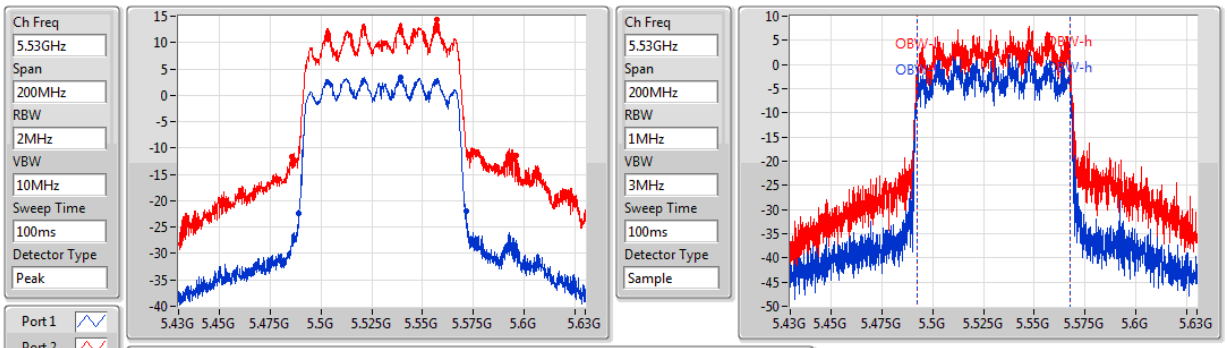
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.9M	5.2495G	5.3314G	75.162M	5.252619G	5.327781G	Inf	1
85.6M	5.2489G	5.3345G	75.262M	5.252619G	5.327881G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

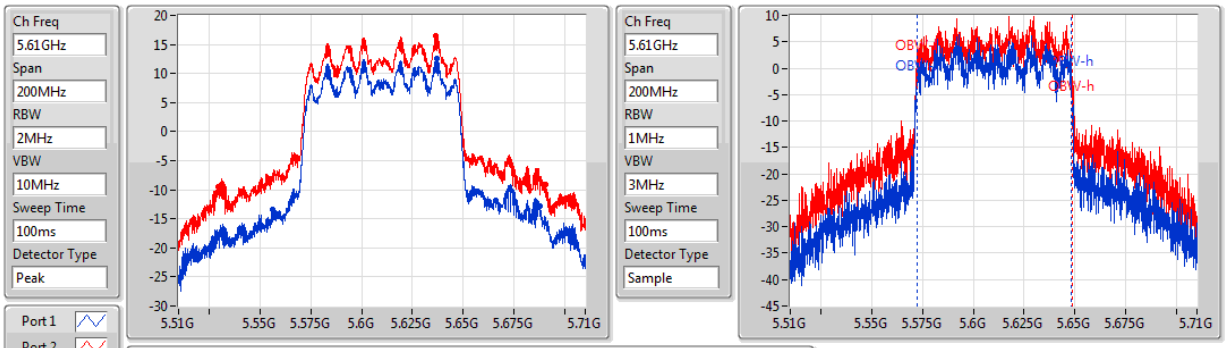
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	5.4892G	5.5714G	75.162M	5.492519G	5.567681G	Inf	1
110.1M	5.4858G	5.5959G	75.262M	5.492619G	5.567881G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

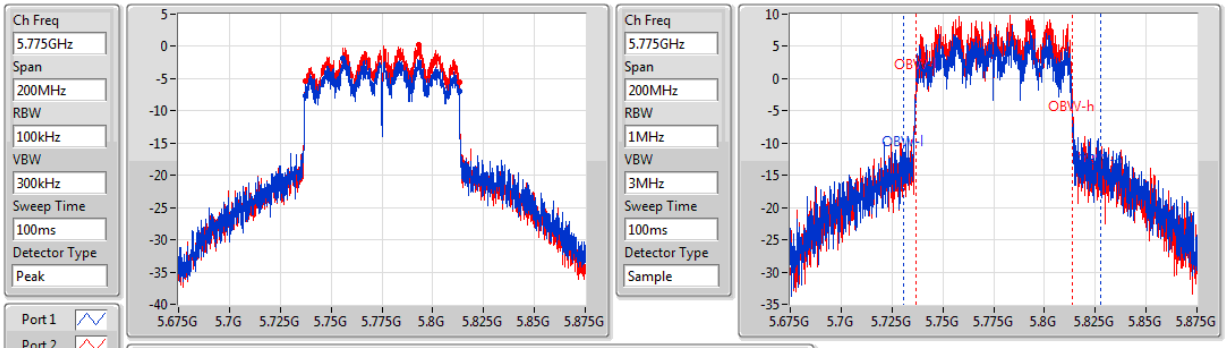
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
131.4M	5.5565G	5.6879G	75.762M	5.572419G	5.648181G	Inf	1
161.1M	5.5296G	5.6907G	76.762M	5.572119G	5.648881G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.7M	5.7372G	5.8129G	97.051M	5.730522G	5.827574G	500k	1
75.6M	5.7373G	5.8129G	77.261M	5.736619G	5.813881G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_1TX	-	-	-	-
5.15-5.25GHz	18.32	0.06792	21.48	0.14060
5.25-5.35GHz	19.53	0.08974	22.69	0.18578
5.47-5.725GHz	20.42	0.11015	23.58	0.22803
5.725-5.85GHz	22.12	0.16293	25.28	0.33729
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	21.78	0.15066	24.94	0.31189
5.25-5.35GHz	22.50	0.17783	25.66	0.36813
5.47-5.725GHz	22.83	0.19187	25.99	0.39719
5.725-5.85GHz	24.31	0.26977	27.47	0.55847
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	21.20	0.13183	24.36	0.27290
5.25-5.35GHz	21.86	0.15346	25.02	0.31769
5.47-5.725GHz	22.40	0.17378	25.56	0.35975
5.725-5.85GHz	23.61	0.22961	26.77	0.47534
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	19.19	0.08299	22.35	0.17179
5.25-5.35GHz	19.33	0.08570	22.49	0.17742
5.47-5.725GHz	23.23	0.21038	26.39	0.43551
5.725-5.85GHz	23.69	0.23388	26.85	0.48417

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_(6Mbps)_1TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	3.16	17.90		17.90	30.00	21.06	36.00
5200MHz_TnomVnom	Pass	3.16	18.07		18.07	30.00	21.23	36.00
5240MHz_TnomVnom	Pass	3.16	18.32		18.32	30.00	21.48	36.00
5260MHz_TnomVnom	Pass	3.16	19.02		19.02	23.98	22.18	30.00
5300MHz_TnomVnom	Pass	3.16	19.53		19.53	23.98	22.69	30.00
5320MHz_TnomVnom	Pass	3.16	17.51		17.51	23.98	20.67	30.00
5500MHz_TnomVnom	Pass	3.16	19.56		19.56	23.98	22.72	30.00
5580MHz_TnomVnom	Pass	3.16	20.42		20.42	23.98	23.58	30.00
5700MHz_TnomVnom	Pass	3.16	17.96		17.96	23.98	21.12	30.00
5745MHz_TnomVnom	Pass	3.16	21.70		21.70	30.00	24.86	36.00
5785MHz_TnomVnom	Pass	3.16	21.97		21.97	30.00	25.13	36.00
5825MHz_TnomVnom	Pass	3.16	22.12		22.12	30.00	25.28	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	3.16	17.02	19.16	21.23	30.00	24.39	36.00
5200MHz_TnomVnom	Pass	3.16	16.72	19.26	21.18	30.00	24.34	36.00
5240MHz_TnomVnom	Pass	3.16	17.27	19.88	21.78	30.00	24.94	36.00
5260MHz_TnomVnom	Pass	3.16	17.81	20.12	22.13	23.98	25.29	30.00
5300MHz_TnomVnom	Pass	3.16	17.84	20.68	22.50	23.98	25.66	30.00
5320MHz_TnomVnom	Pass	3.16	18.02	20.59	22.50	23.98	25.66	30.00
5500MHz_TnomVnom	Pass	3.16	18.22	20.56	22.56	23.98	25.72	30.00
5580MHz_TnomVnom	Pass	3.16	18.49	20.84	22.83	23.98	25.99	30.00
5700MHz_TnomVnom	Pass	3.16	12.42	17.68	18.81	23.98	21.97	30.00
5745MHz_TnomVnom	Pass	3.16	20.08	21.39	23.79	30.00	26.95	36.00
5785MHz_TnomVnom	Pass	3.16	20.75	21.79	24.31	30.00	27.47	36.00
5825MHz_TnomVnom	Pass	3.16	20.87	21.38	24.14	30.00	27.30	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	3.16	14.25	17.53	19.20	30.00	22.36	36.00
5230MHz_TnomVnom	Pass	3.16	16.42	19.45	21.20	30.00	24.36	36.00
5270MHz_TnomVnom	Pass	3.16	17.31	19.98	21.86	23.98	25.02	30.00
5310MHz_TnomVnom	Pass	3.16	15.16	18.80	20.36	23.98	23.52	30.00
5510MHz_TnomVnom	Pass	3.16	13.85	18.22	19.57	23.98	22.73	30.00
5550MHz_TnomVnom	Pass	3.16	17.67	20.62	22.40	23.98	25.56	30.00
5670MHz_TnomVnom	Pass	3.16	16.95	20.41	22.03	23.98	25.19	30.00
5755MHz_TnomVnom	Pass	3.16	19.56	21.17	23.45	30.00	26.61	36.00
5795MHz_TnomVnom	Pass	3.16	19.96	21.15	23.61	30.00	26.77	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	3.16	14.25	17.51	19.19	30.00	22.35	36.00
5290MHz_TnomVnom	Pass	3.16	14.10	17.78	19.33	23.98	22.49	30.00
5530MHz_TnomVnom	Pass	3.16	14.88	18.77	20.26	23.98	23.42	30.00
5610MHz_TnomVnom	Pass	3.16	19.03	21.15	23.23	23.98	26.39	30.00
5775MHz_TnomVnom	Pass	3.16	20.01	21.26	23.69	30.00	26.85	36.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5.15-5.25GHz	21.75	0.14962	24.91	0.30974
5.25-5.35GHz	23.19	0.20845	26.35	0.43152
5.47-5.725GHz	23.87	0.24378	27.03	0.50466
5.725-5.85GHz	24.56	0.28576	27.72	0.59156
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	21.63	0.14555	24.79	0.30130
5.25-5.35GHz	22.45	0.17579	25.61	0.36392
5.47-5.725GHz	22.61	0.18239	25.77	0.37757
5.725-5.85GHz	24.12	0.25823	27.28	0.53456
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	21.10	0.12882	24.26	0.26669
5.25-5.35GHz	21.72	0.14859	24.88	0.30761
5.47-5.725GHz	22.32	0.17061	25.48	0.35318
5.725-5.85GHz	23.52	0.22491	26.68	0.46559
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	19.11	0.08147	22.27	0.16866
5.25-5.35GHz	19.25	0.08414	22.41	0.17418
5.47-5.725GHz	23.10	0.20417	26.26	0.42267
5.725-5.85GHz	23.52	0.22491	26.68	0.46559

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.16		20.34	20.34	23.98	23.50	30.00
5200MHz	Pass	3.16		21.75	21.75	23.98	24.91	30.00
5240MHz	Pass	3.16		20.05	20.05	23.98	23.21	30.00
5260MHz	Pass	3.16		22.74	22.74	23.98	25.90	30.00
5300MHz	Pass	3.16		23.19	23.19	23.98	26.35	30.00
5320MHz	Pass	3.16		20.68	20.68	23.51	23.84	29.51
5500MHz	Pass	3.16		20.75	20.75	23.54	23.91	29.54
5580MHz	Pass	3.16		23.87	23.87	23.98	27.03	30.00
5700MHz	Pass	3.16		19.20	19.20	23.22	22.36	29.22
5745MHz	Pass	3.16		24.51	24.51	30.00	27.67	36.00
5785MHz	Pass	3.16		24.54	24.54	30.00	27.70	36.00
5825MHz	Pass	3.16		24.56	24.56	30.00	27.72	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.16	16.75	19.09	21.09	23.98	24.25	30.00
5200MHz	Pass	3.16	16.27	19.10	20.92	23.98	24.08	30.00
5240MHz	Pass	3.16	17.06	19.76	21.63	23.98	24.79	30.00
5260MHz	Pass	3.16	17.57	19.95	21.93	23.51	25.09	29.51
5300MHz	Pass	3.16	17.77	20.62	22.44	23.51	25.60	29.51
5320MHz	Pass	3.16	17.89	20.58	22.45	23.51	25.61	29.51
5500MHz	Pass	3.16	17.82	20.58	22.43	23.56	25.59	29.56
5580MHz	Pass	3.16	18.11	20.70	22.61	23.60	25.77	29.60
5700MHz	Pass	3.16	12.02	17.95	18.94	23.48	22.10	29.48
5745MHz	Pass	3.16	20.02	21.22	23.67	30.00	26.83	36.00
5785MHz	Pass	3.16	20.51	21.63	24.12	30.00	27.28	36.00
5825MHz	Pass	3.16	20.24	21.23	23.77	30.00	26.93	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.16	14.17	17.20	18.95	23.98	22.11	30.00
5230MHz	Pass	3.16	16.16	19.42	21.10	23.98	24.26	30.00
5270MHz	Pass	3.16	17.30	19.78	21.72	23.98	24.88	30.00
5310MHz	Pass	3.16	15.16	18.77	20.34	23.98	23.50	30.00
5510MHz	Pass	3.16	13.82	18.11	19.48	23.98	22.64	30.00
5550MHz	Pass	3.16	17.41	20.62	22.32	23.98	25.48	30.00
5670MHz	Pass	3.16	16.88	20.28	21.91	23.98	25.07	30.00
5755MHz	Pass	3.16	19.47	21.15	23.40	30.00	26.56	36.00
5795MHz	Pass	3.16	19.80	21.12	23.52	30.00	26.68	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.16	14.18	17.42	19.11	23.98	22.27	30.00
5290MHz	Pass	3.16	14.07	17.68	19.25	23.98	22.41	30.00
5530MHz	Pass	3.16	14.76	18.58	20.09	23.98	23.25	30.00
5610MHz	Pass	3.16	18.85	21.06	23.10	23.98	26.26	30.00
5775MHz	Pass	3.16	19.92	21.03	23.52	30.00	26.68	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_1TX	-	-
5.15-5.25GHz	7.05	10.21
5.25-5.35GHz	8.07	11.23
5.47-5.725GHz	8.80	11.96
5.725-5.85GHz	8.69	11.85
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	10.03	15.95
5.25-5.35GHz	10.61	16.53
5.47-5.725GHz	10.84	16.77
5.725-5.85GHz	10.61	16.53
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	6.50	12.43
5.25-5.35GHz	7.15	13.07
5.47-5.725GHz	7.27	13.20
5.725-5.85GHz	6.93	12.85
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	3.03	8.96
5.25-5.35GHz	3.24	9.16
5.47-5.725GHz	6.29	12.21
5.725-5.85GHz	5.56	11.48

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

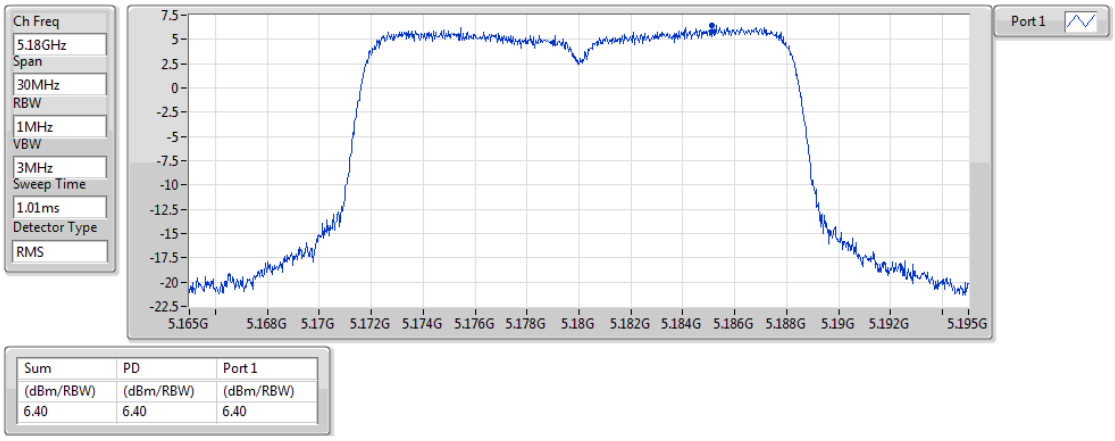
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_(6Mbps)_1TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	3.16	6.40		6.40	17.00	9.56	Inf
5200MHz_TnomVnom	Pass	3.16	6.62		6.62	17.00	9.78	Inf
5240MHz_TnomVnom	Pass	3.16	7.05		7.05	17.00	10.21	Inf
5260MHz_TnomVnom	Pass	3.16	7.58		7.58	11.00	10.74	Inf
5300MHz_TnomVnom	Pass	3.16	8.07		8.07	11.00	11.23	Inf
5320MHz_TnomVnom	Pass	3.16	5.94		5.94	11.00	9.10	Inf
5500MHz_TnomVnom	Pass	3.16	7.39		7.39	11.00	10.55	Inf
5580MHz_TnomVnom	Pass	3.16	8.80		8.80	11.00	11.96	Inf
5700MHz_TnomVnom	Pass	3.16	6.57		6.57	11.00	9.73	Inf
5745MHz_TnomVnom	Pass	3.16	8.47		8.47	30.00	11.63	Inf
5785MHz_TnomVnom	Pass	3.16	8.69		8.69	30.00	11.85	Inf
5825MHz_TnomVnom	Pass	3.16	8.51		8.51	30.00	11.67	Inf
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	5.92	3.77	6.88	8.47	17.00	14.39	Inf
5200MHz_TnomVnom	Pass	5.92	5.29	7.97	9.70	17.00	15.62	Inf
5240MHz_TnomVnom	Pass	5.92	5.60	8.20	10.03	17.00	15.95	Inf
5260MHz_TnomVnom	Pass	5.92	6.47	8.84	10.55	11.00	16.47	Inf
5300MHz_TnomVnom	Pass	5.92	5.89	8.92	10.61	11.00	16.53	Inf
5320MHz_TnomVnom	Pass	5.92	6.29	8.82	10.59	11.00	16.52	Inf
5500MHz_TnomVnom	Pass	5.92	6.33	8.63	10.41	11.00	16.34	Inf
5580MHz_TnomVnom	Pass	5.92	6.59	8.99	10.84	11.00	16.77	Inf
5700MHz_TnomVnom	Pass	5.92	0.54	6.08	7.03	11.00	12.95	Inf
5745MHz_TnomVnom	Pass	5.92	7.00	7.93	10.17	30.00	16.09	Inf
5785MHz_TnomVnom	Pass	5.92	7.44	8.23	10.61	30.00	16.53	Inf
5825MHz_TnomVnom	Pass	5.92	7.14	7.65	10.19	30.00	16.12	Inf
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	5.92	-0.69	2.80	4.27	17.00	10.19	Inf
5230MHz_TnomVnom	Pass	5.92	2.10	4.90	6.50	17.00	12.43	Inf
5270MHz_TnomVnom	Pass	5.92	2.73	5.45	7.15	11.00	13.07	Inf
5310MHz_TnomVnom	Pass	5.92	0.25	4.01	5.35	11.00	11.27	Inf
5510MHz_TnomVnom	Pass	5.92	-1.33	3.17	4.45	11.00	10.38	Inf
5550MHz_TnomVnom	Pass	5.92	2.51	5.57	7.24	11.00	13.16	Inf
5670MHz_TnomVnom	Pass	5.92	1.99	5.91	7.27	11.00	13.20	Inf
5755MHz_TnomVnom	Pass	5.92	3.50	4.67	6.93	30.00	12.85	Inf
5795MHz_TnomVnom	Pass	5.92	3.47	4.73	6.91	30.00	12.84	Inf
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	5.92	-2.12	1.76	3.03	17.00	8.96	Inf
5290MHz_TnomVnom	Pass	5.92	-1.75	1.78	3.24	11.00	9.16	Inf
5530MHz_TnomVnom	Pass	5.92	-1.77	1.92	3.30	11.00	9.22	Inf
5610MHz_TnomVnom	Pass	5.92	2.53	4.41	6.29	11.00	12.21	Inf
5775MHz_TnomVnom	Pass	5.92	2.28	3.57	5.56	30.00	11.48	Inf

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

802.11a_(6Mbps)_1TX **PSD**

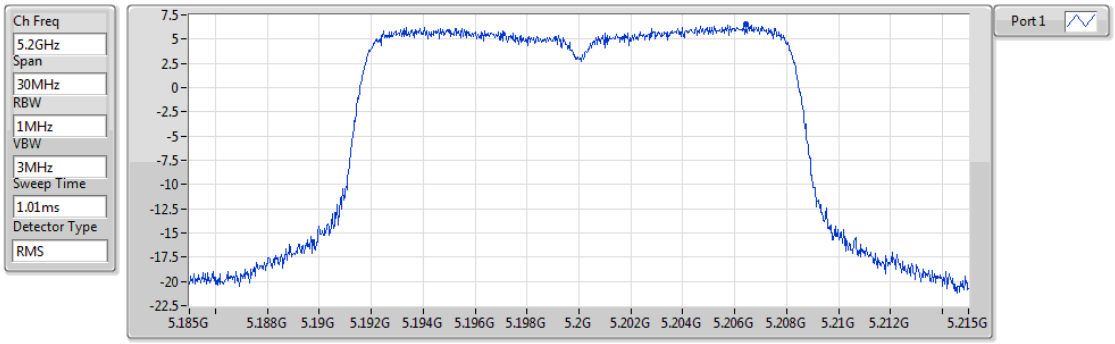
5180MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.40	6.40	6.40

802.11a_(6Mbps)_1TX **PSD**

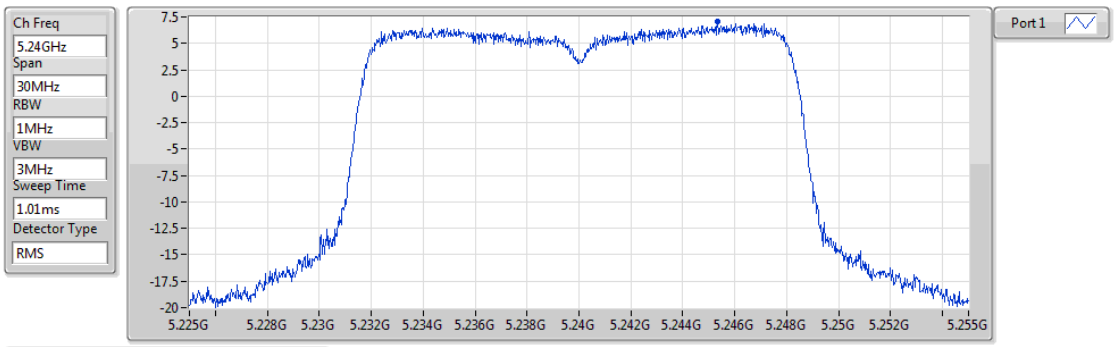
5200MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.62	6.62	6.62

802.11a_(6Mbps)_1TX **PSD**

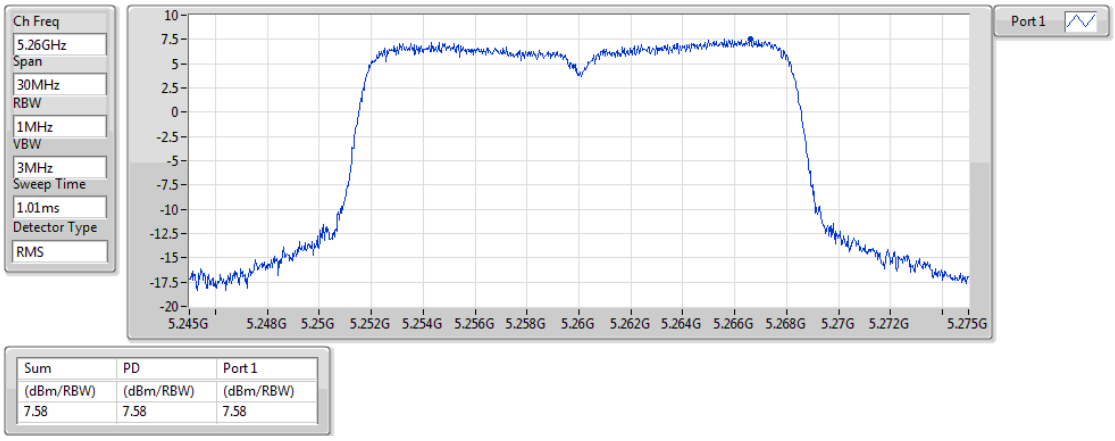
5240MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.05	7.05	7.05

802.11a_(6Mbps)_1TX **PSD**

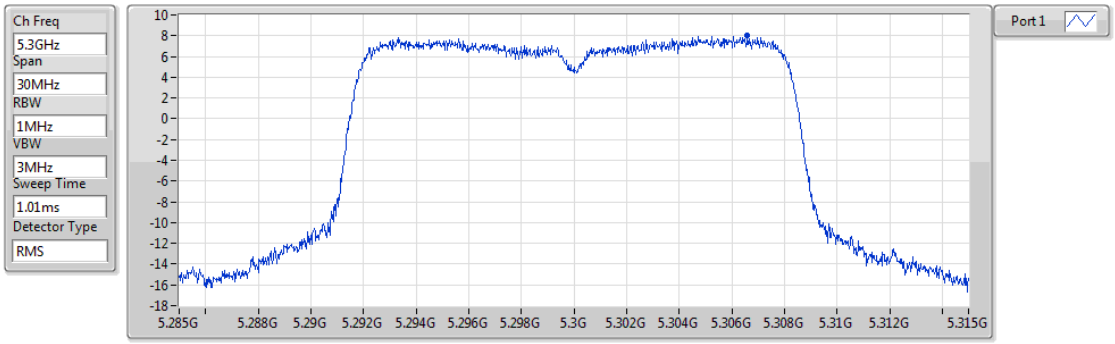
5260MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.58	7.58	7.58

802.11a_(6Mbps)_1TX **PSD**

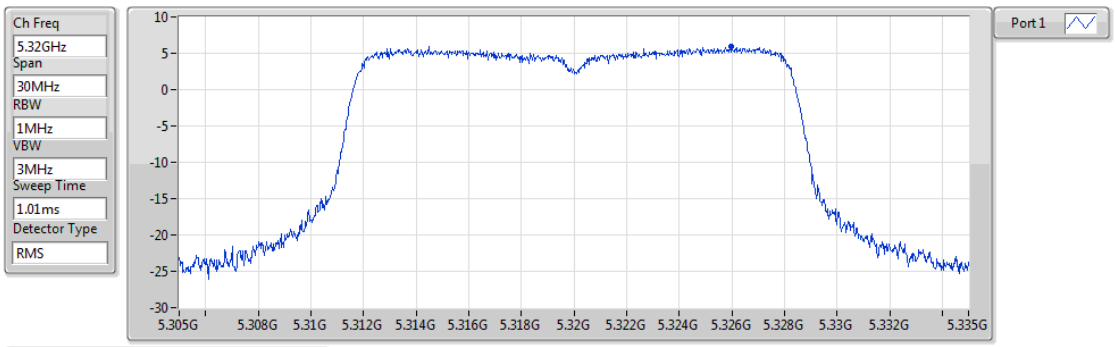
5300MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.07	8.07	8.07

802.11a_(6Mbps)_1TX **PSD**

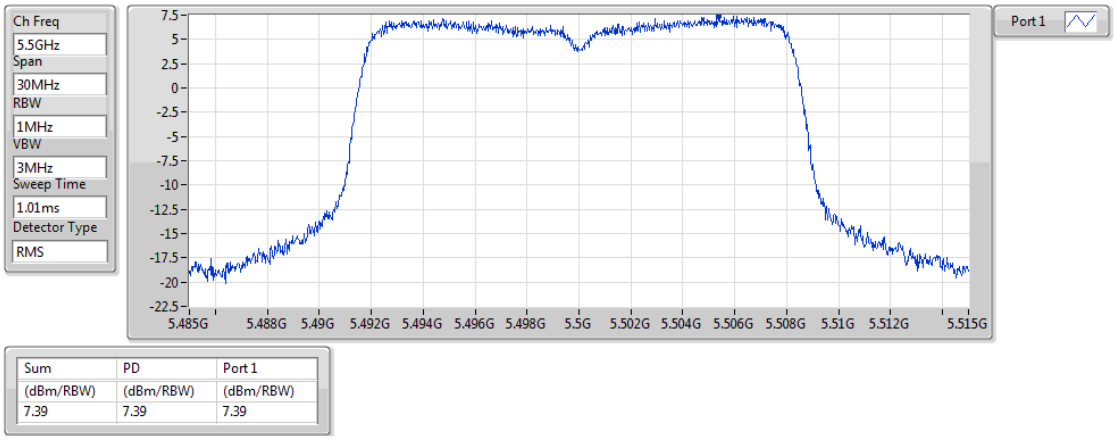
5320MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.94	5.94	5.94

802.11a_(6Mbps)_1TX **PSD**

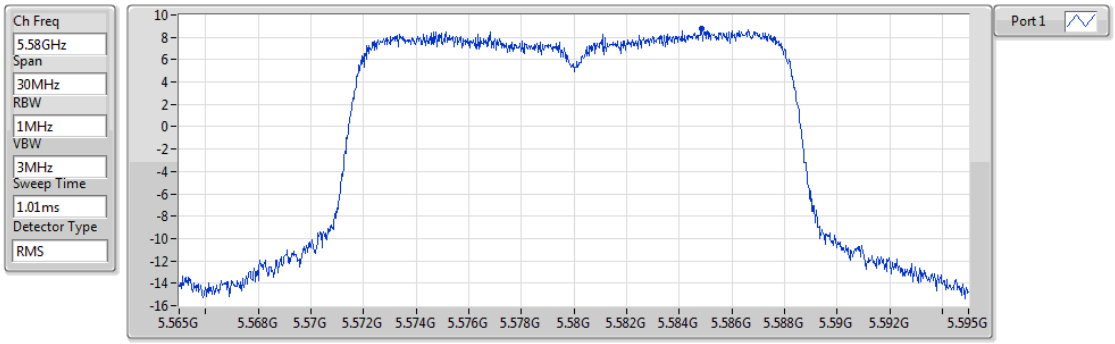
5500MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.39	7.39	7.39

802.11a_(6Mbps)_1TX **PSD**

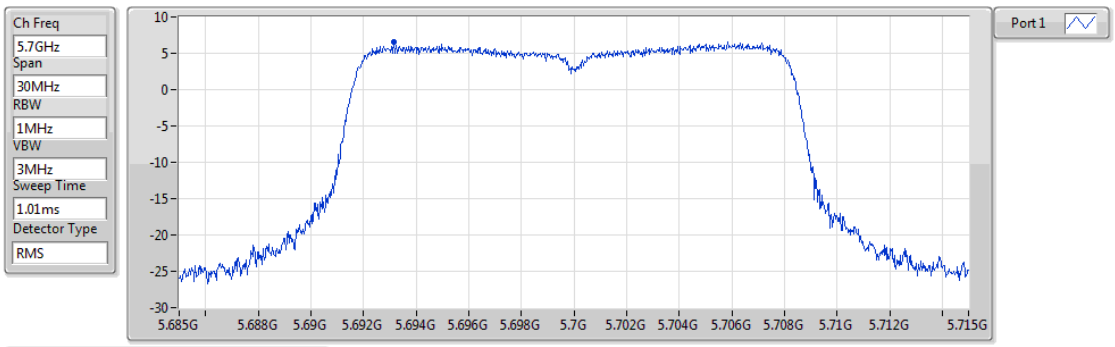
5580MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.80	8.80	8.80

802.11a_(6Mbps)_1TX **PSD**

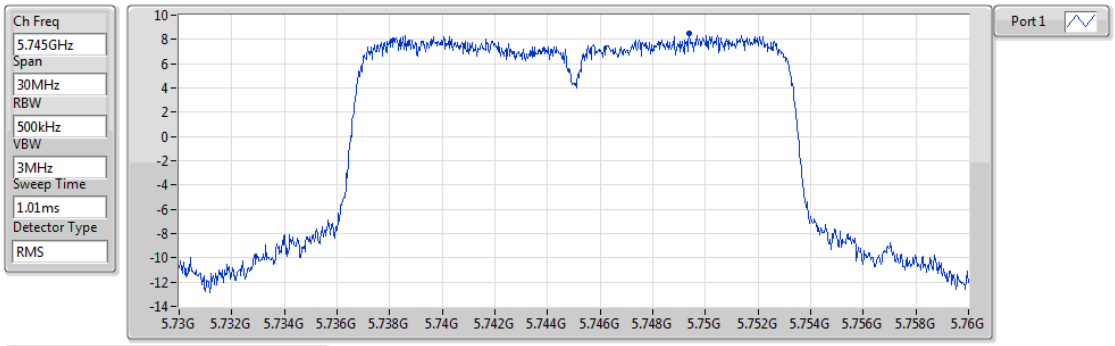
5700MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.57	6.57	6.57

802.11a_(6Mbps)_1TX **PSD**

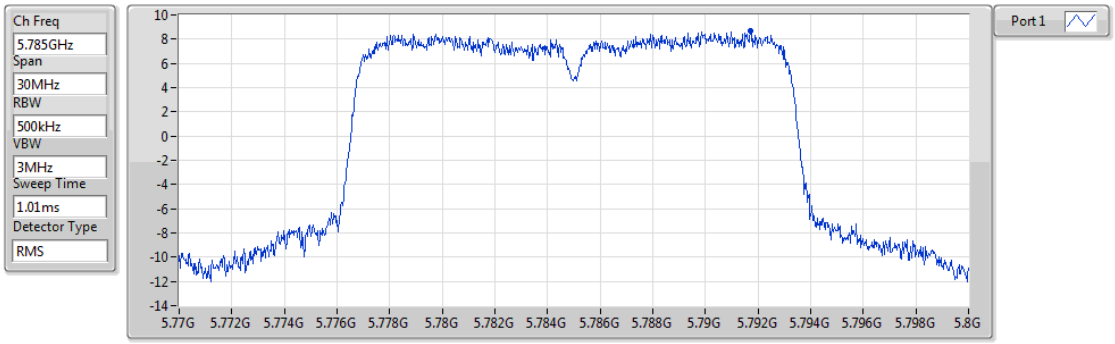
5745MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.47	8.47	8.47

802.11a_(6Mbps)_1TX **PSD**

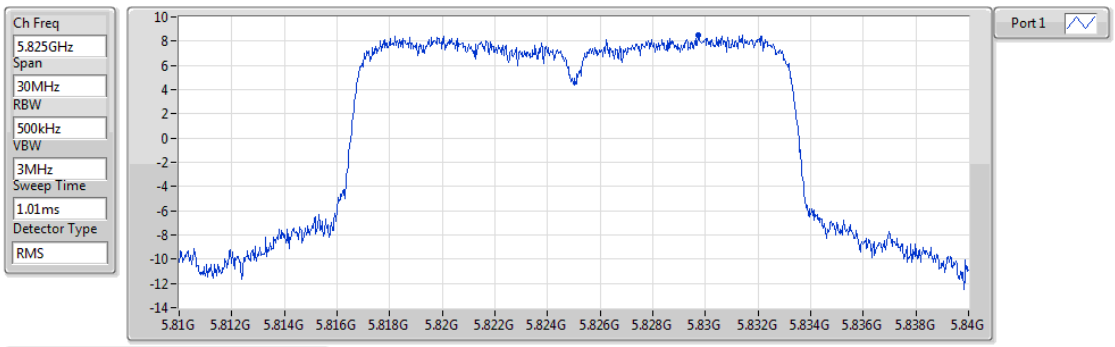
5785MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.69	8.69	8.69

802.11a_(6Mbps)_1TX **PSD**

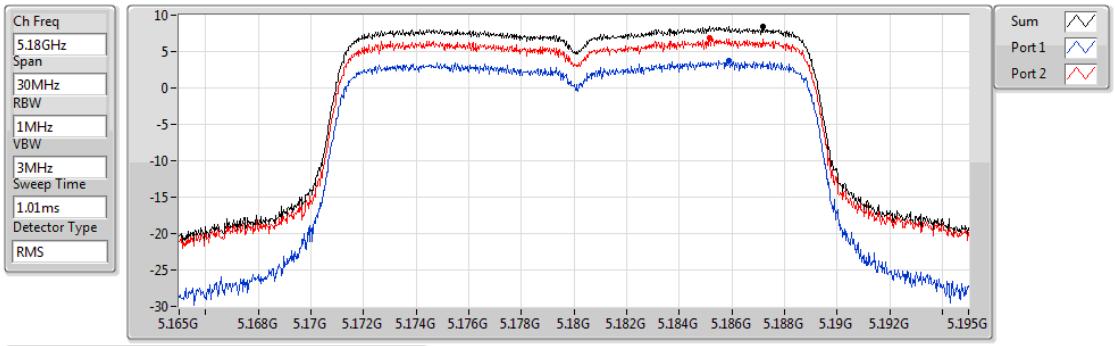
5825MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.51	8.51	8.51

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

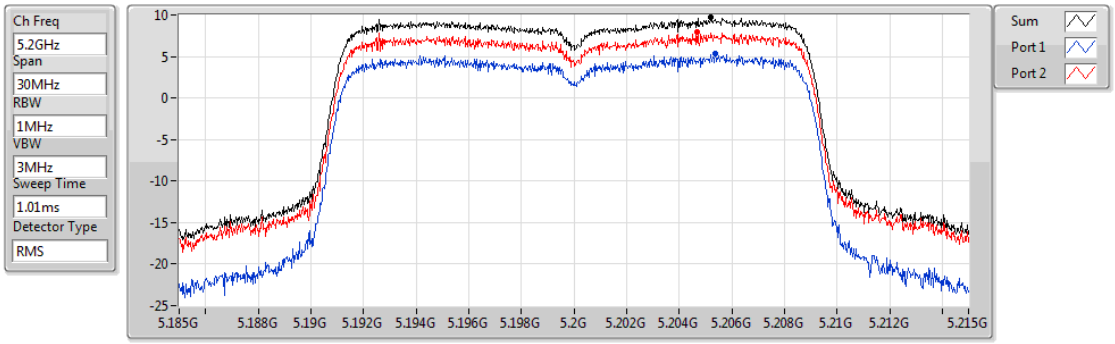
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.47	8.47	3.77	6.88

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

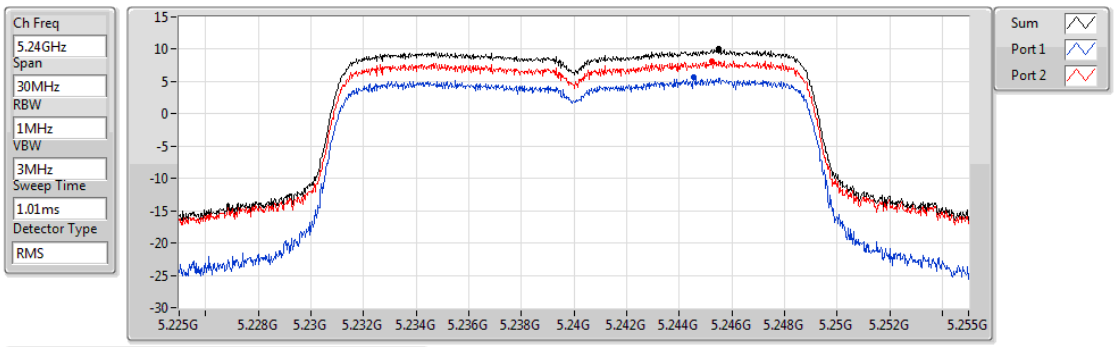
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.70	9.70	5.29	7.97

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

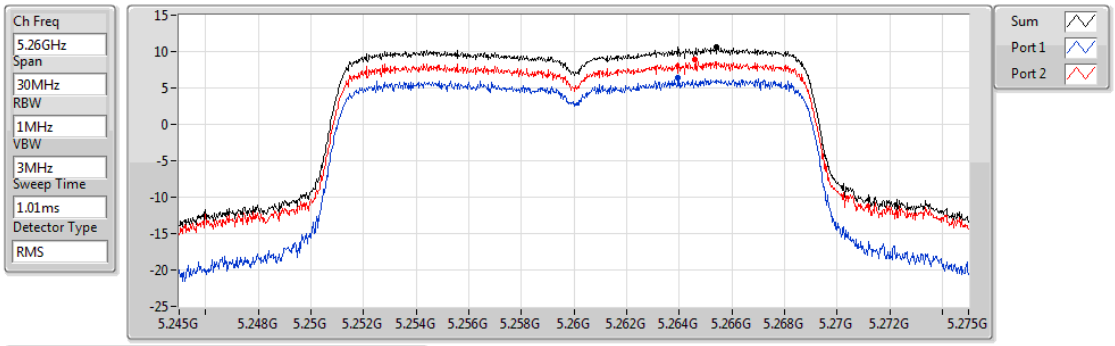
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.03	10.03	5.60	8.20

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

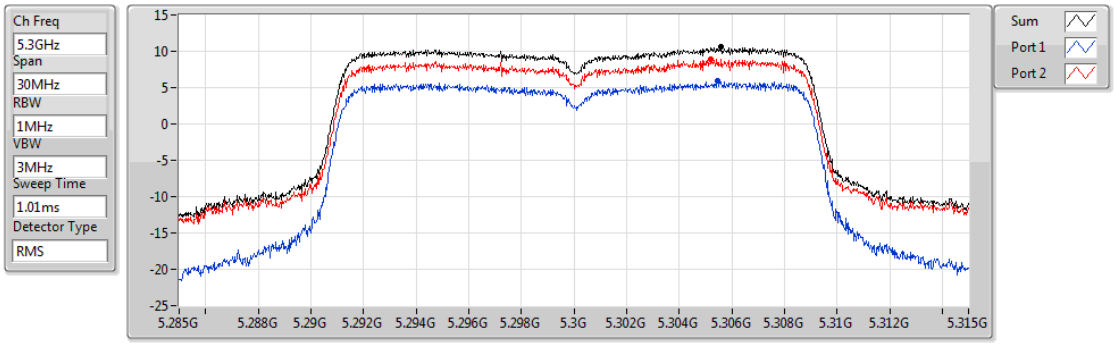
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.55	10.55	6.47	8.84

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

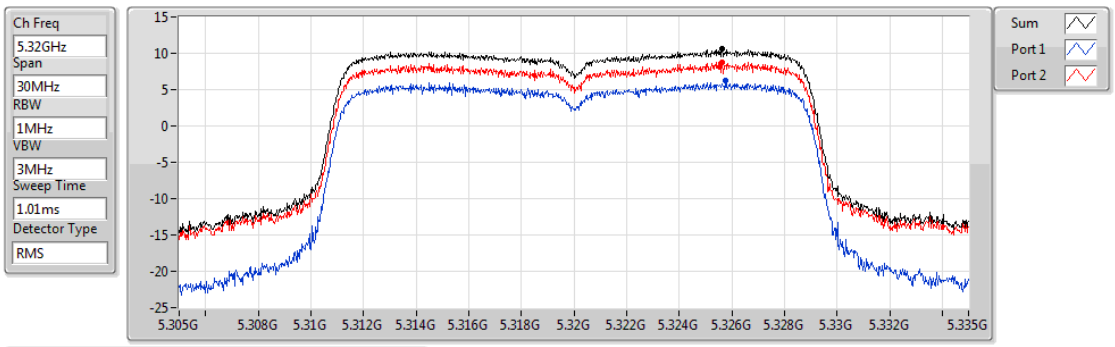
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.61	10.61	5.89	8.92

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

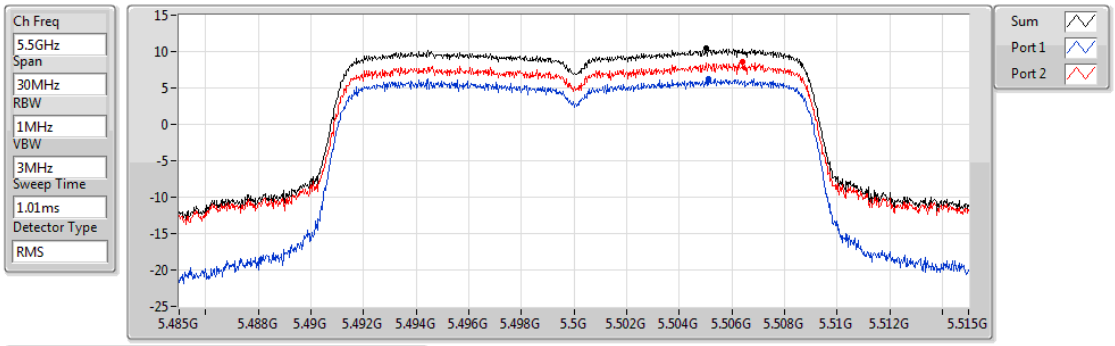
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.59	10.59	6.29	8.82

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

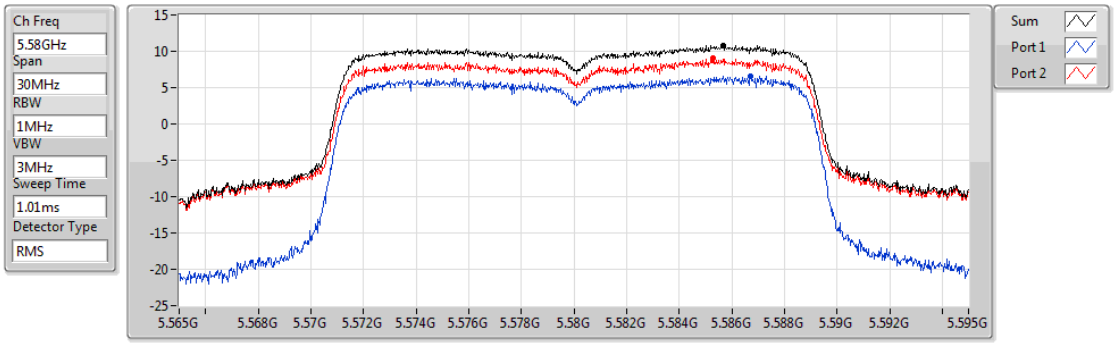
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.41	10.41	6.33	8.63

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

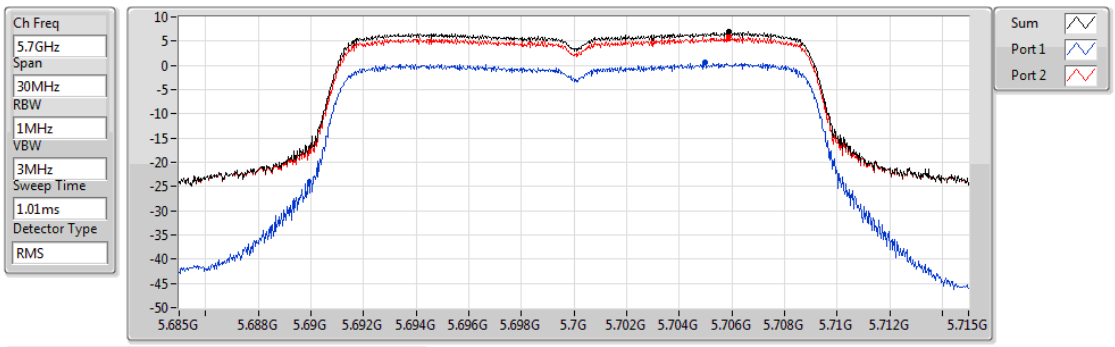
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.84	10.84	6.59	8.99

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

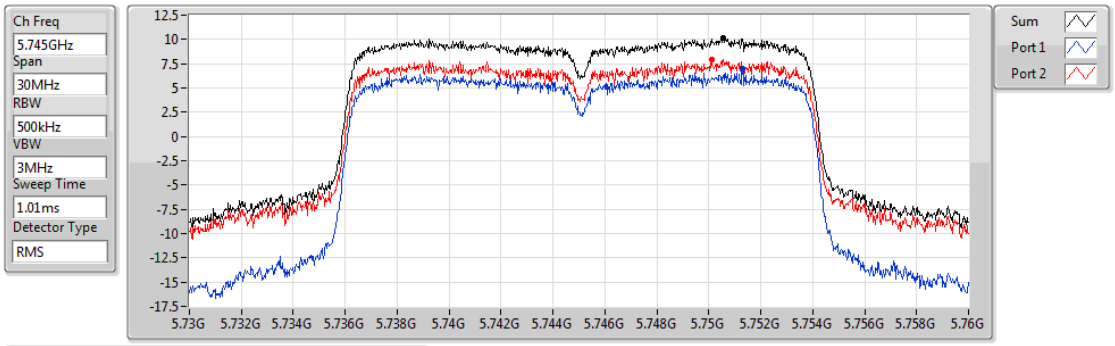
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.03	7.03	0.54	6.08

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

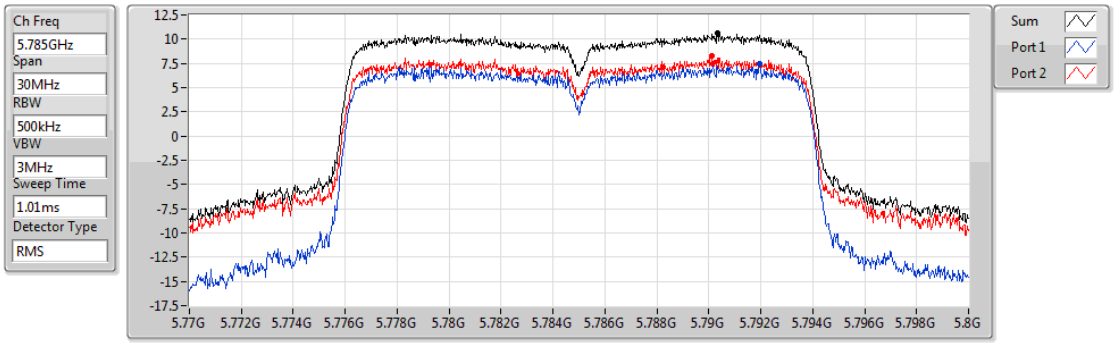
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.17	10.17	7.00	7.93

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

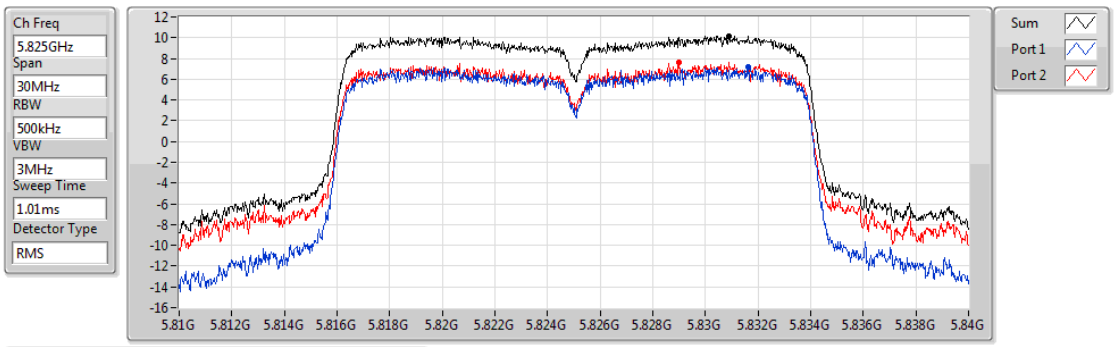
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.61	10.61	7.44	8.23

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

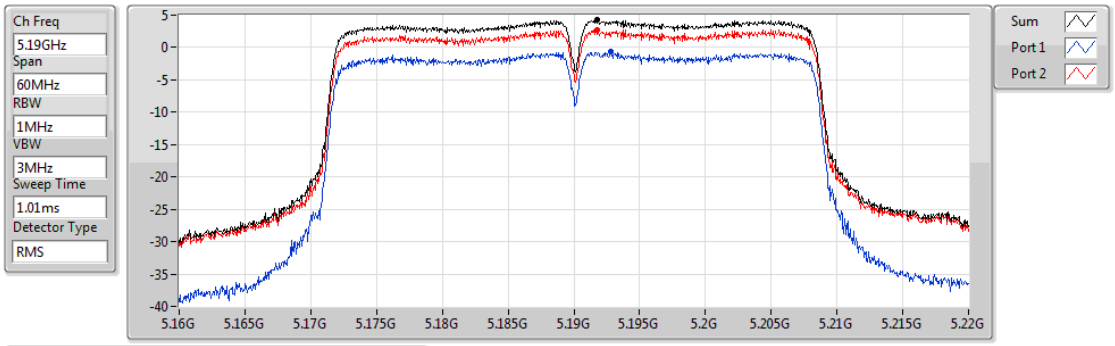
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.19	10.19	7.14	7.65

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

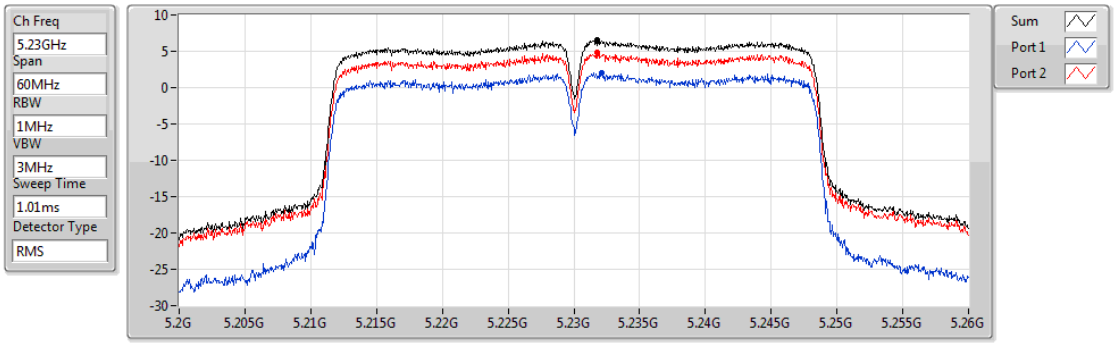
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.27	4.27	-0.69	2.80

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

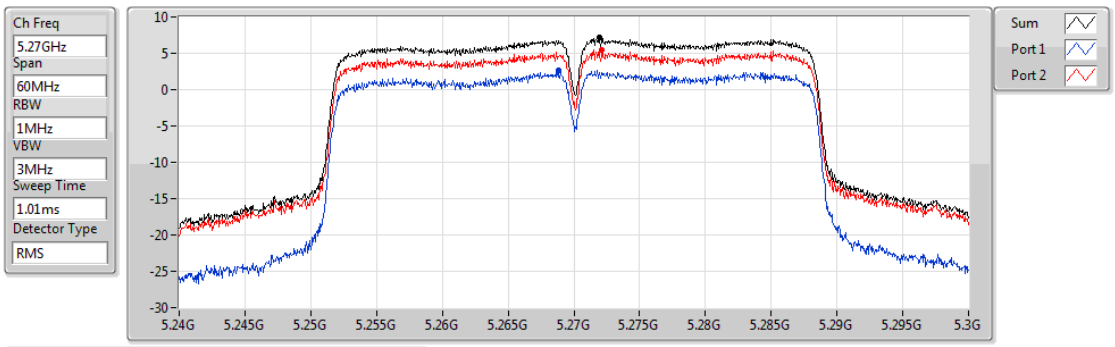
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.50	6.50	2.10	4.90

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

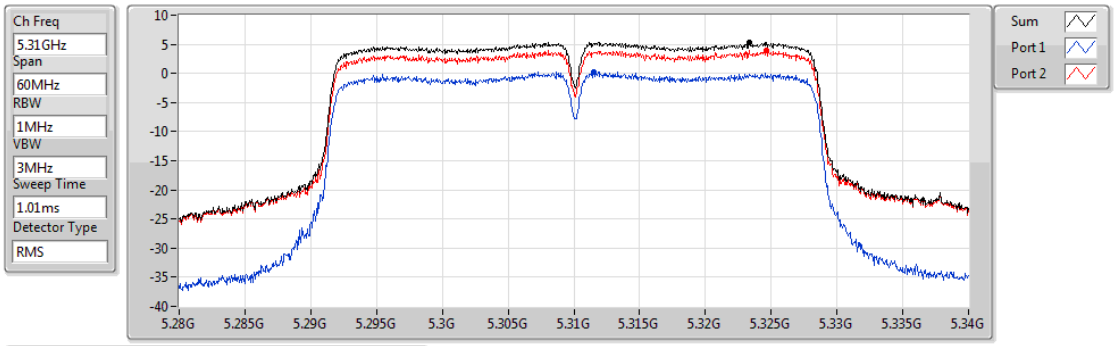
5270MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.15	7.15	2.73	5.45

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

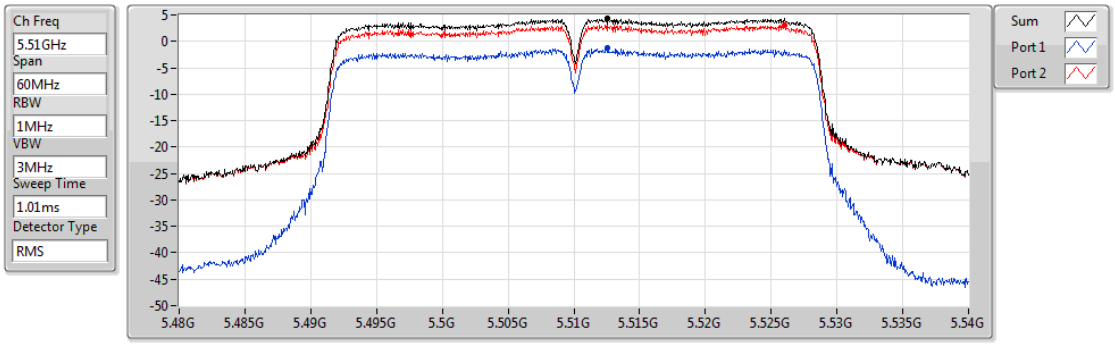
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.35	5.35	0.25	4.01

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

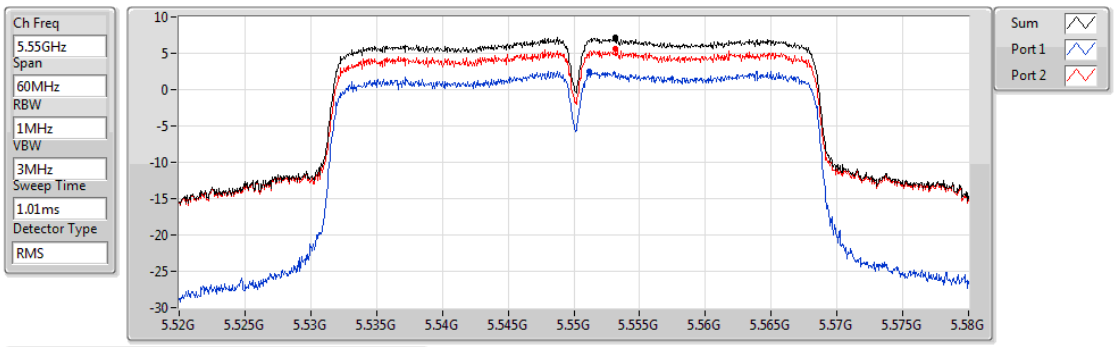
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.45	4.45	-1.33	3.17

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

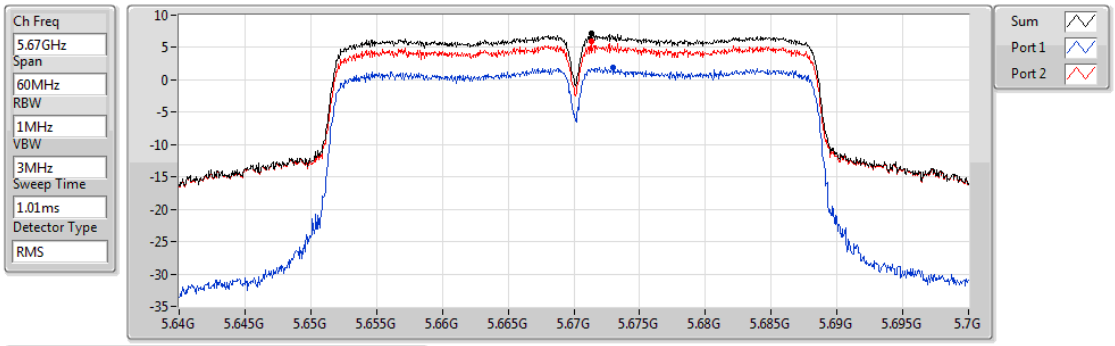
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.24	7.24	2.51	5.57

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

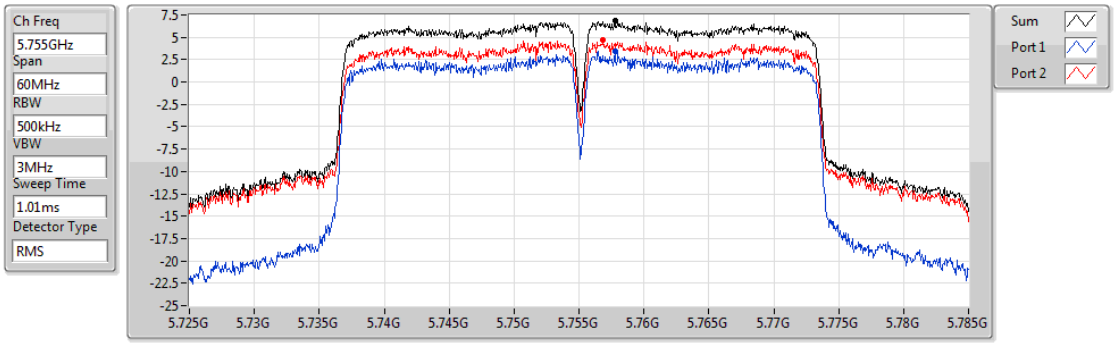
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.27	7.27	1.99	5.91

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

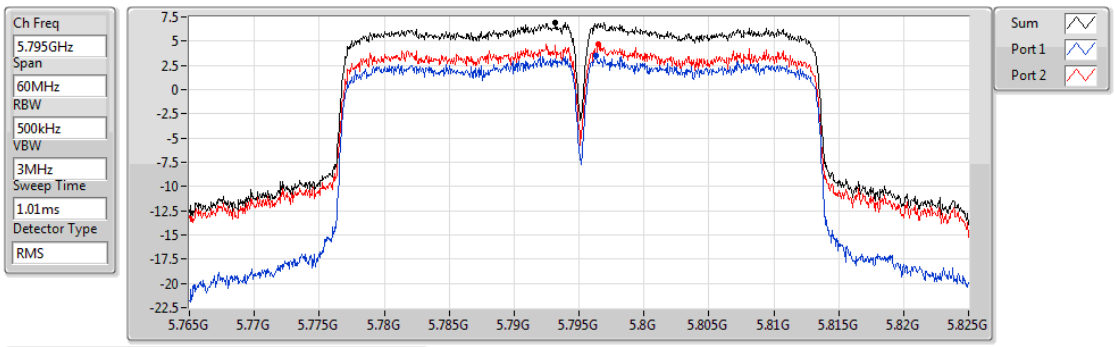
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.93	6.93	3.50	4.67

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

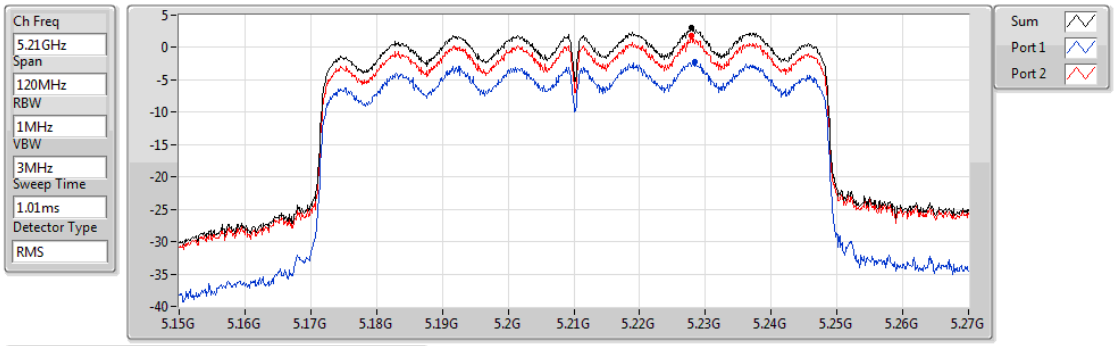
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.91	6.91	3.47	4.73

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

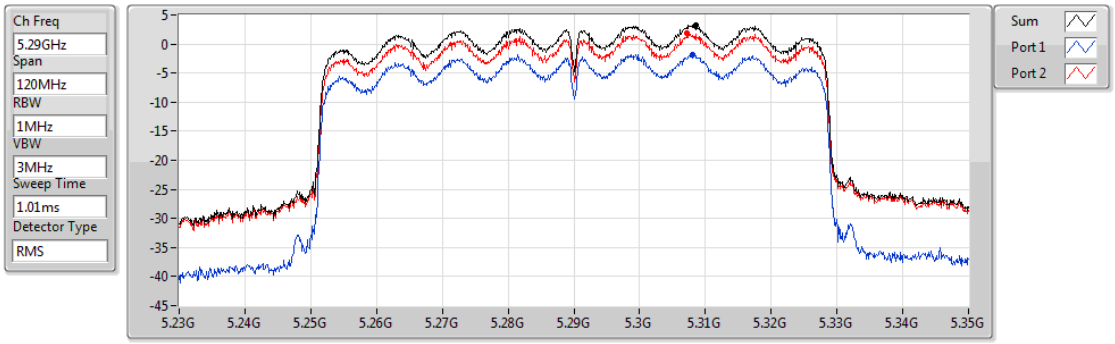
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.03	3.03	-2.12	1.76

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

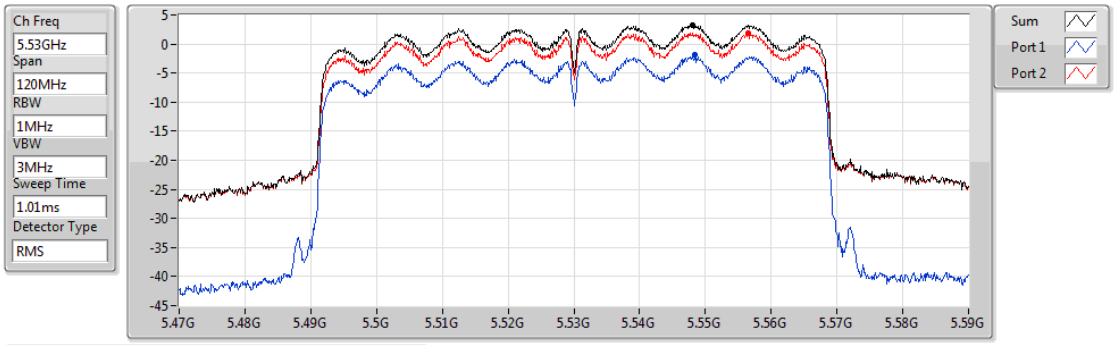
5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.24	3.24	-1.75	1.78

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

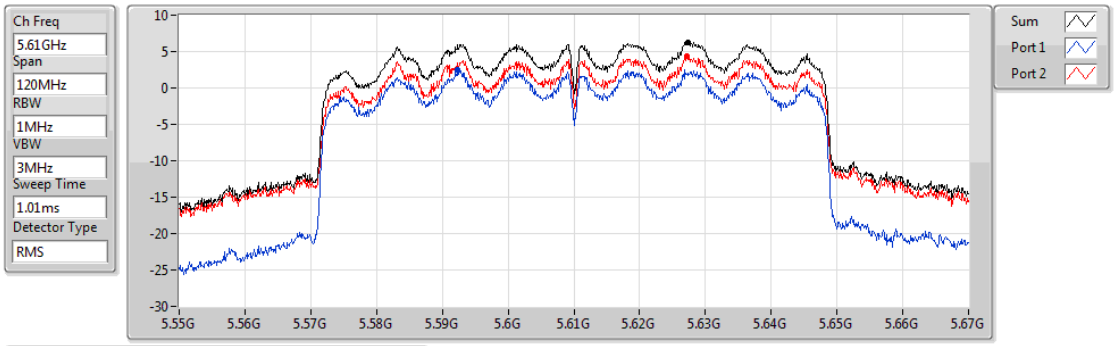
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.30	3.30	-1.77	1.92

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

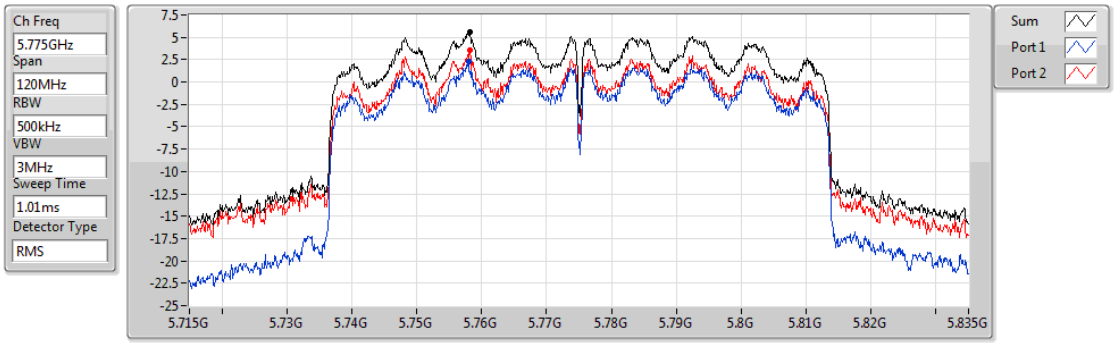
5610MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.29	6.29	2.53	4.41

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.56	5.56	2.28	3.57

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-
5.15-5.25GHz	6.83	9.99
5.25-5.35GHz	8.05	11.21
5.47-5.725GHz	9.87	13.03
5.725-5.85GHz	7.61	10.77
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	7.59	13.51
5.25-5.35GHz	8.62	14.54
5.47-5.725GHz	9.42	15.34
5.725-5.85GHz	8.78	14.70
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	3.70	9.62
5.25-5.35GHz	4.38	10.30
5.47-5.725GHz	5.04	10.96
5.725-5.85GHz	5.42	11.34
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	-0.61	5.31
5.25-5.35GHz	-0.36	5.56
5.47-5.725GHz	3.15	9.07
5.725-5.85GHz	2.83	8.75

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

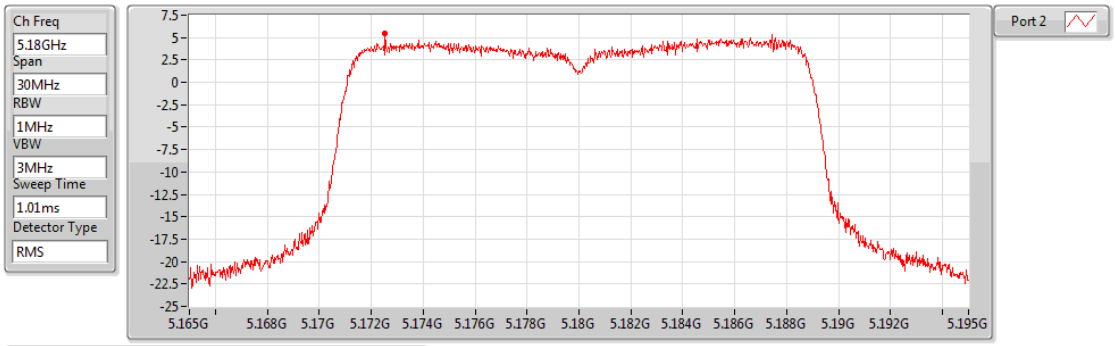
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.16		5.49	5.49	11.00	8.65	Inf
5200MHz	Pass	3.16		6.83	6.83	11.00	9.99	Inf
5240MHz	Pass	3.16		5.28	5.28	11.00	8.44	Inf
5260MHz	Pass	3.16		7.52	7.52	11.00	10.68	Inf
5300MHz	Pass	3.16		8.05	8.05	11.00	11.21	Inf
5320MHz	Pass	3.16		5.59	5.59	11.00	8.75	Inf
5500MHz	Pass	3.16		5.63	5.63	11.00	8.79	Inf
5580MHz	Pass	3.16		9.87	9.87	11.00	13.03	Inf
5700MHz	Pass	3.16		4.24	4.24	11.00	7.40	Inf
5745MHz	Pass	3.16		7.56	7.56	30.00	10.72	Inf
5785MHz	Pass	3.16		7.61	7.61	30.00	10.77	Inf
5825MHz	Pass	3.16		7.48	7.48	30.00	10.64	Inf
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.92	0.62	5.43	6.56	11.00	12.48	Inf
5200MHz	Pass	5.92	1.04	5.00	6.39	11.00	12.31	Inf
5240MHz	Pass	5.92	2.41	6.28	7.59	11.00	13.51	Inf
5260MHz	Pass	5.92	3.36	7.09	8.43	11.00	14.35	Inf
5300MHz	Pass	5.92	3.04	7.39	8.62	11.00	14.54	Inf
5320MHz	Pass	5.92	3.37	6.90	8.35	11.00	14.27	Inf
5500MHz	Pass	5.92	4.31	7.64	9.11	11.00	15.03	Inf
5580MHz	Pass	5.92	4.84	7.65	9.42	11.00	15.34	Inf
5700MHz	Pass	5.92	-2.14	4.41	5.16	11.00	11.08	Inf
5745MHz	Pass	5.92	4.90	6.28	8.36	30.00	14.28	Inf
5785MHz	Pass	5.92	4.88	6.76	8.78	30.00	14.70	Inf
5825MHz	Pass	5.92	4.79	5.74	8.14	30.00	14.06	Inf
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.92	-4.62	-0.41	0.83	11.00	6.75	Inf
5230MHz	Pass	5.92	-1.95	2.47	3.70	11.00	9.62	Inf
5270MHz	Pass	5.92	-1.12	3.17	4.38	11.00	10.30	Inf
5310MHz	Pass	5.92	-4.17	1.28	2.28	11.00	8.20	Inf
5510MHz	Pass	5.92	-4.47	0.42	1.51	11.00	7.43	Inf
5550MHz	Pass	5.92	-0.50	3.85	5.04	11.00	10.96	Inf
5670MHz	Pass	5.92	-1.23	3.18	4.34	11.00	10.26	Inf
5755MHz	Pass	5.92	1.25	3.32	5.42	30.00	11.34	Inf
5795MHz	Pass	5.92	1.17	3.21	5.27	30.00	11.19	Inf
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.92	-6.61	-1.80	-0.61	11.00	5.31	Inf
5290MHz	Pass	5.92	-6.59	-1.40	-0.36	11.00	5.56	Inf
5530MHz	Pass	5.92	-6.11	-0.56	0.44	11.00	6.36	Inf
5610MHz	Pass	5.92	-2.43	1.85	3.15	11.00	9.07	Inf
5775MHz	Pass	5.92	-1.37	0.75	2.83	30.00	8.75	Inf

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 PSD

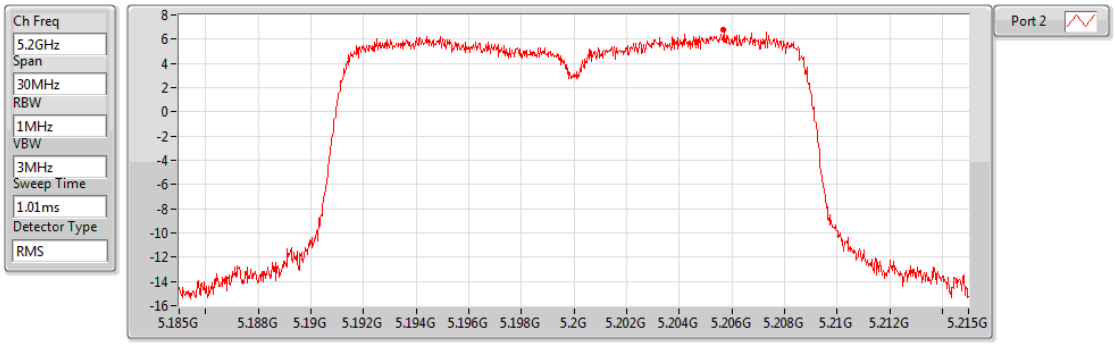
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.49	5.49		5.49

802.11a_Nss1,(6Mbps)_1TX PSD

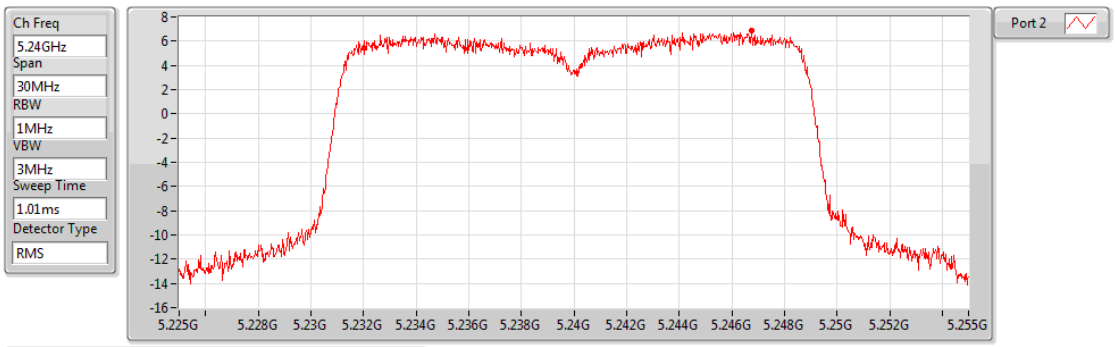
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.83	6.83		6.83

802.11a_Nss1,(6Mbps)_1TX PSD

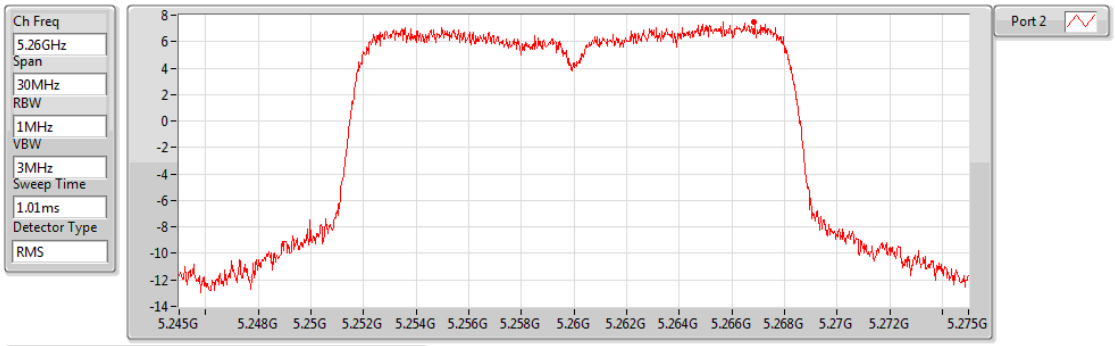
5240MHz



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

802.11a_Nss1,(6Mbps)_1TX PSD

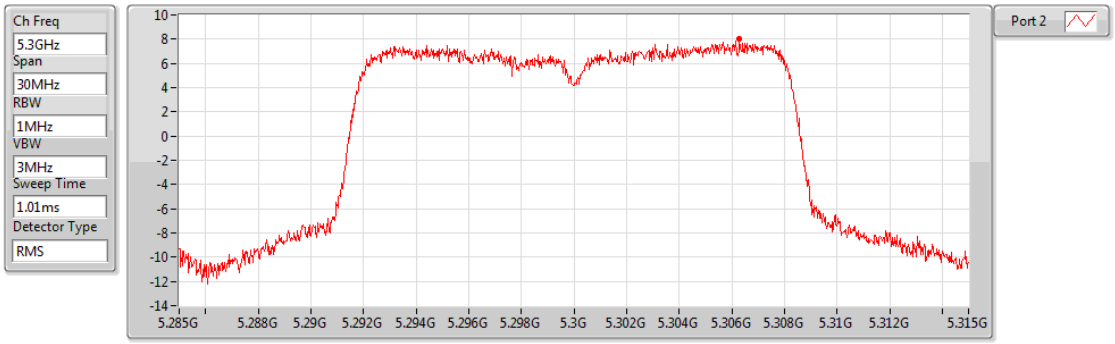
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.52	7.52		7.52

802.11a_Nss1,(6Mbps)_1TX PSD

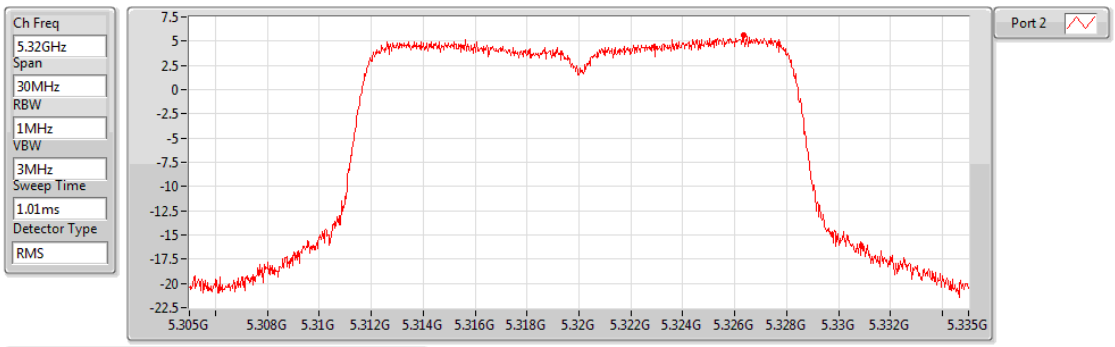
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.05	8.05		8.05

802.11a_Nss1,(6Mbps)_1TX PSD

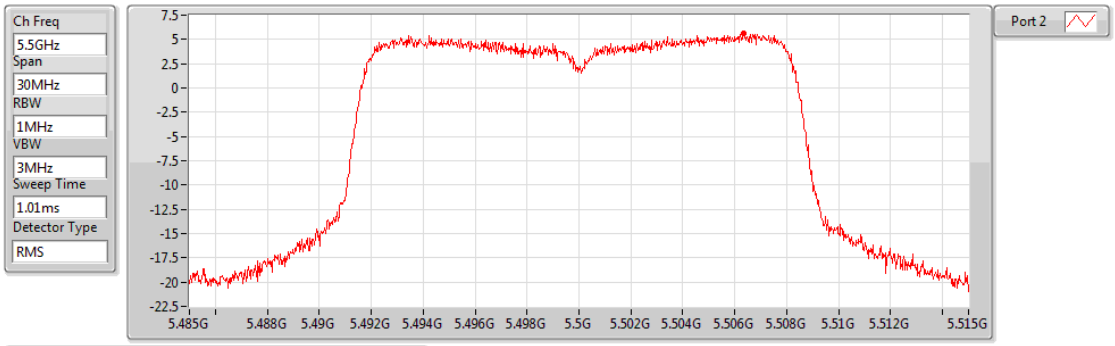
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.59	5.59		5.59

802.11a_Nss1,(6Mbps)_1TX PSD

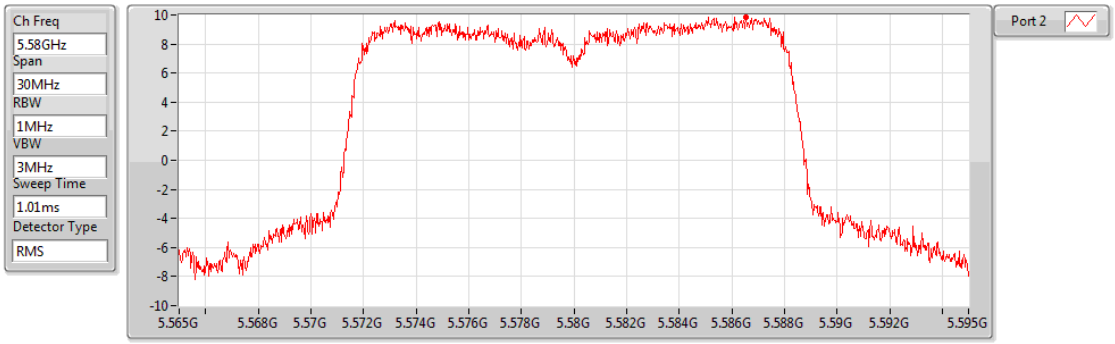
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.63	5.63		5.63

802.11a_Nss1,(6Mbps)_1TX PSD

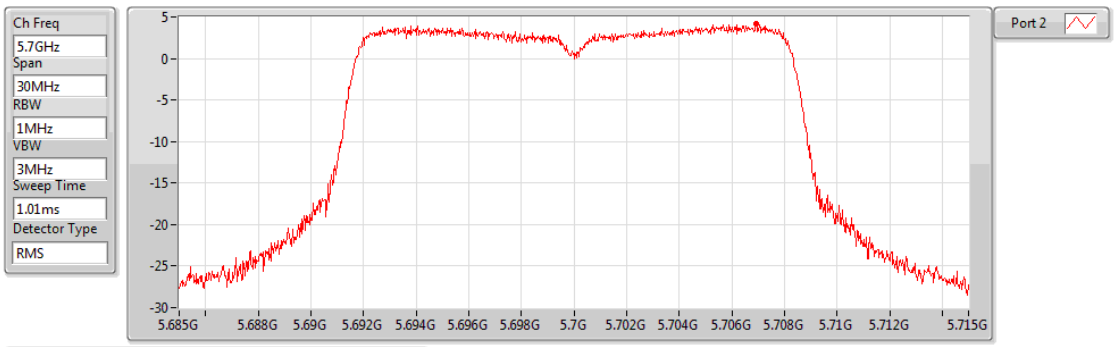
5580MHz



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

802.11a_Nss1,(6Mbps)_1TX PSD

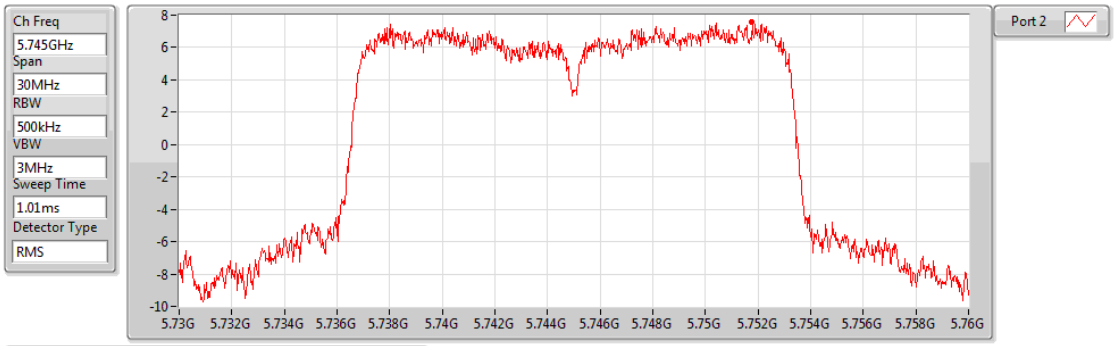
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.24	4.24		4.24

802.11a_Nss1,(6Mbps)_1TX PSD

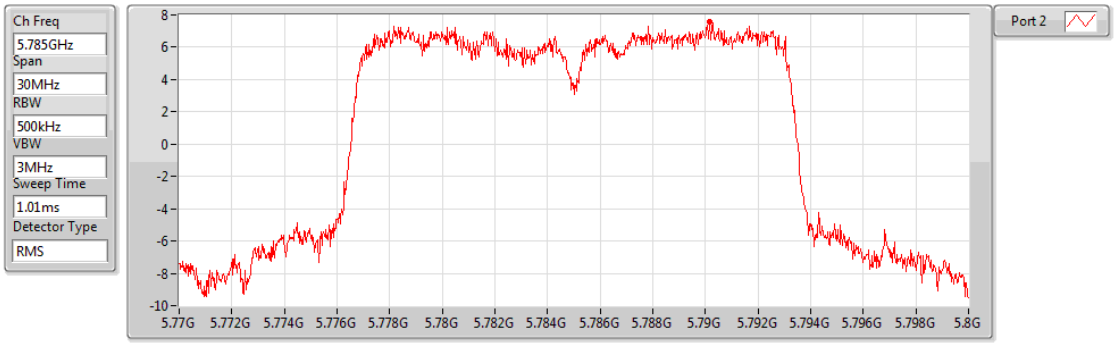
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.56	7.56		7.56

802.11a_Nss1,(6Mbps)_1TX PSD

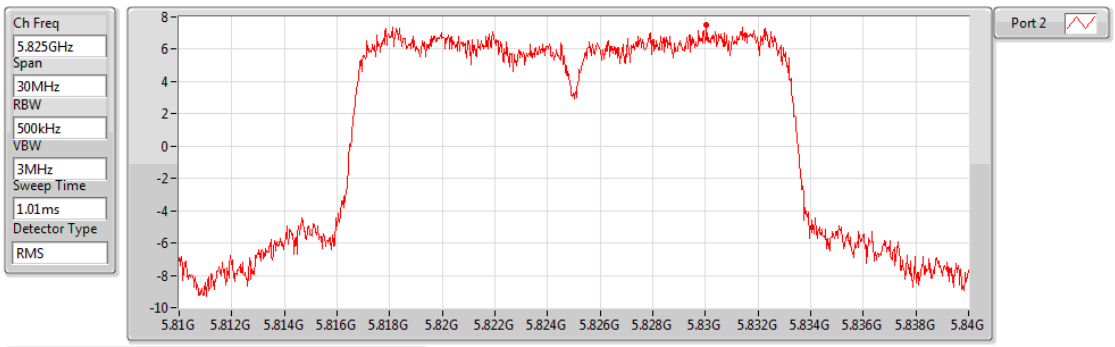
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.61	7.61		7.61

802.11a_Nss1,(6Mbps)_1TX PSD

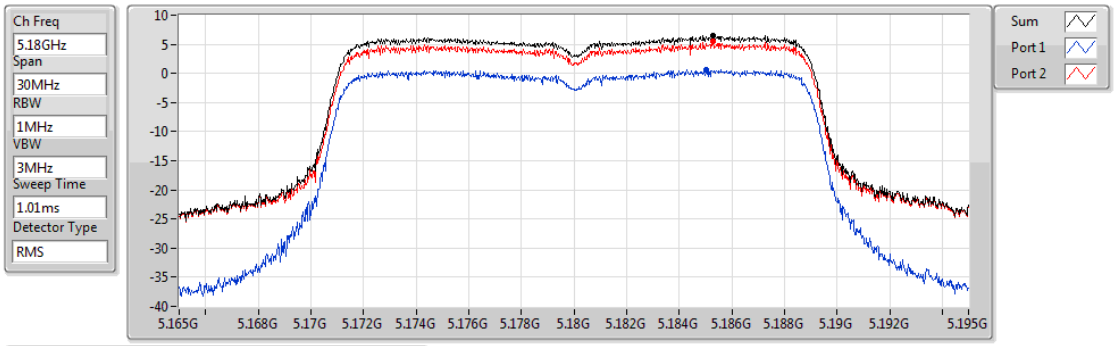
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.48	7.48		7.48

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

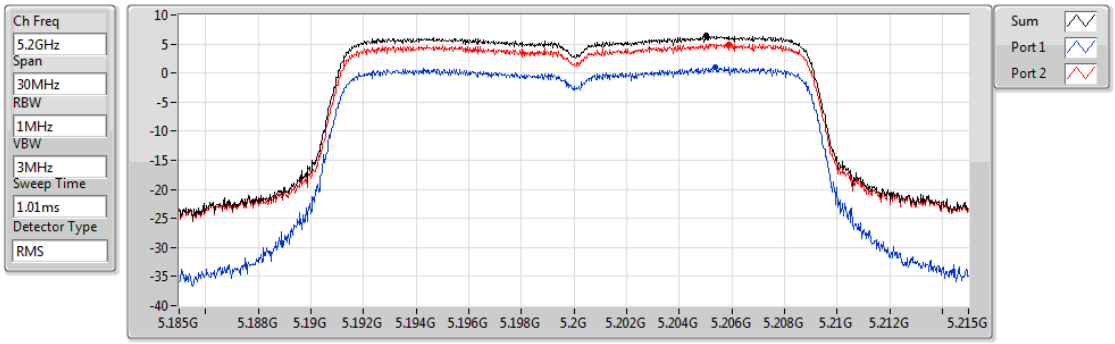
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.56	6.56	0.62	5.43

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

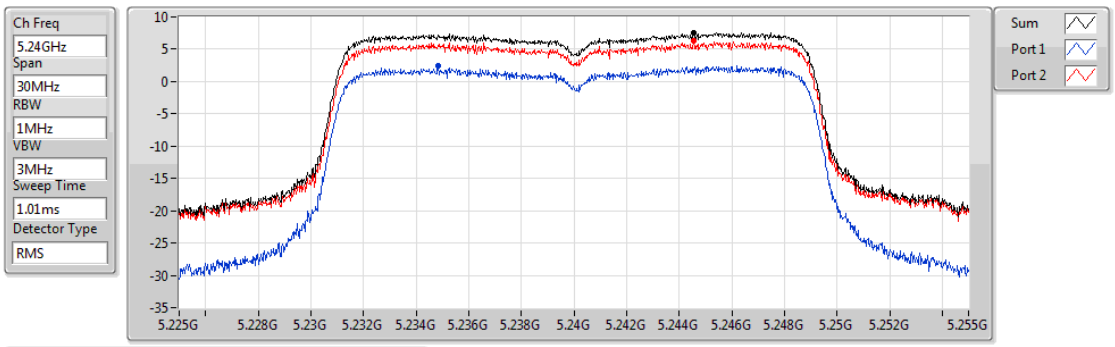
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.39	6.39	1.04	5.00

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

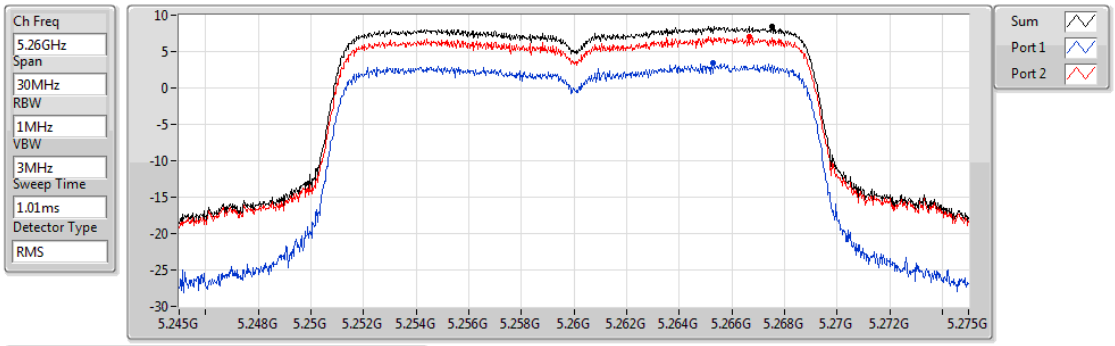
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.59	7.59	2.41	6.28

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

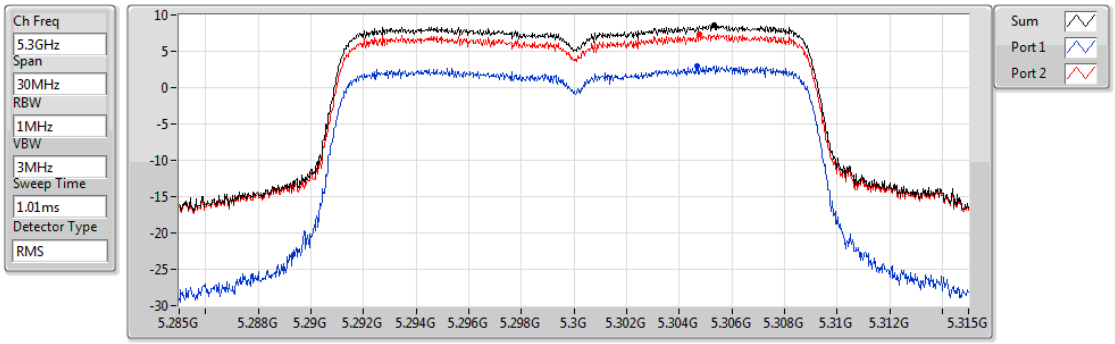
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.43	8.43	3.36	7.09

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

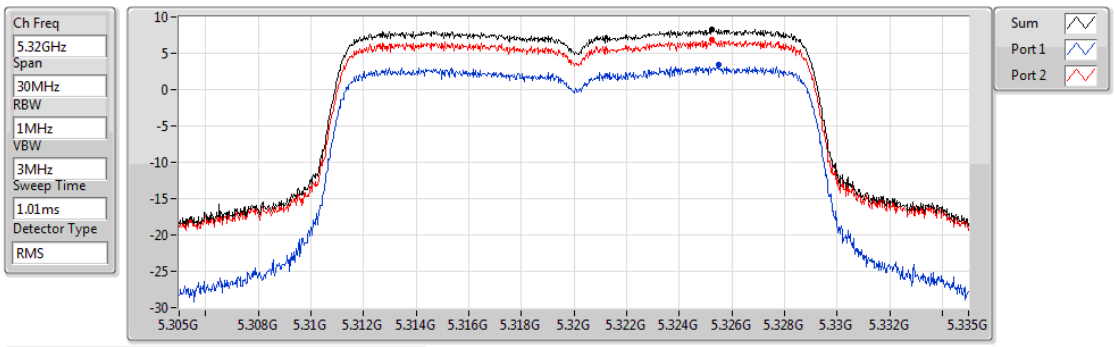
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.62	8.62	3.04	7.39

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

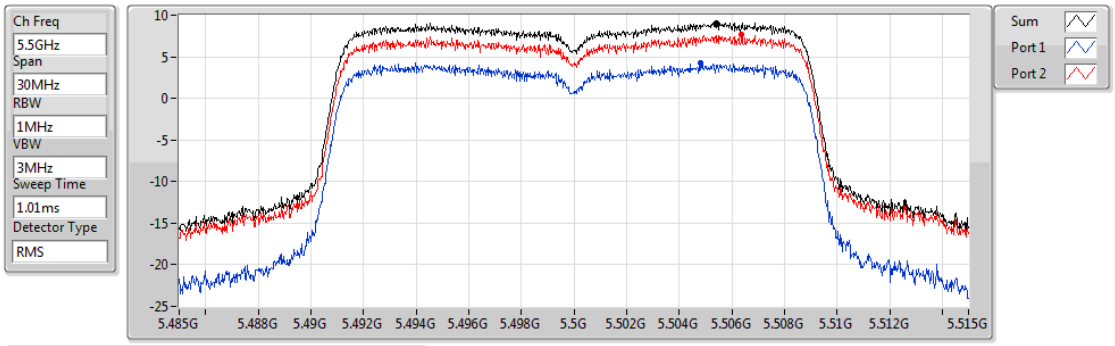
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.35	8.35	3.37	6.90

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

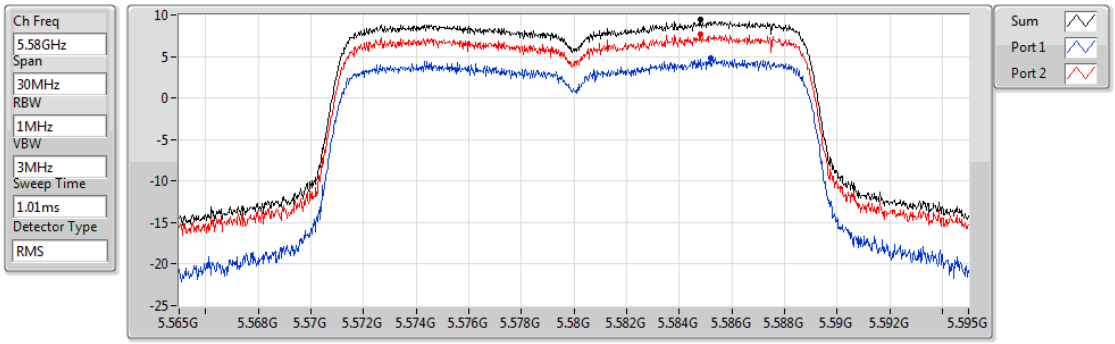
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.11	9.11	4.31	7.64

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

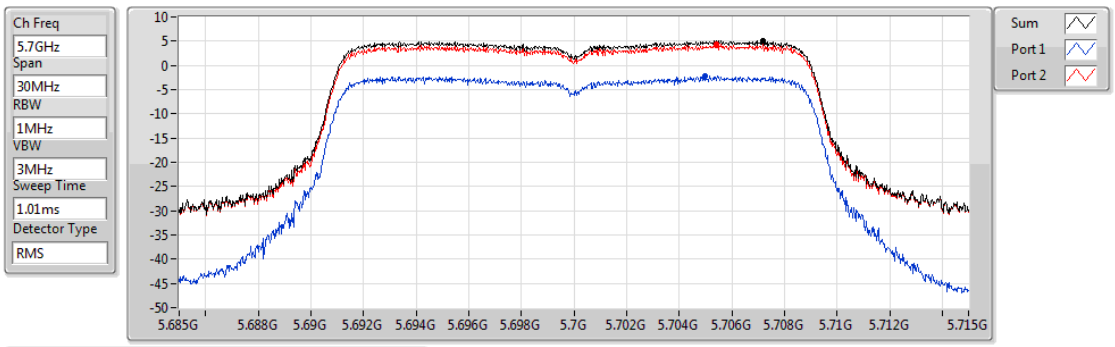
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.42	9.42	4.84	7.65

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

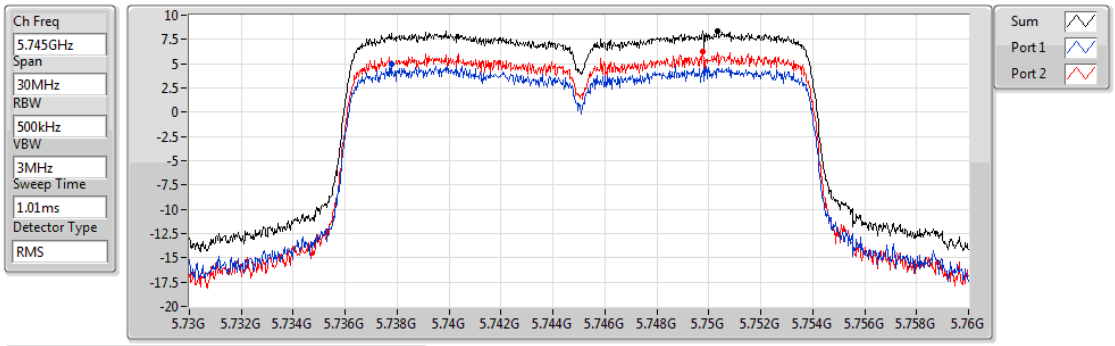
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.16	5.16	-2.14	4.41

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

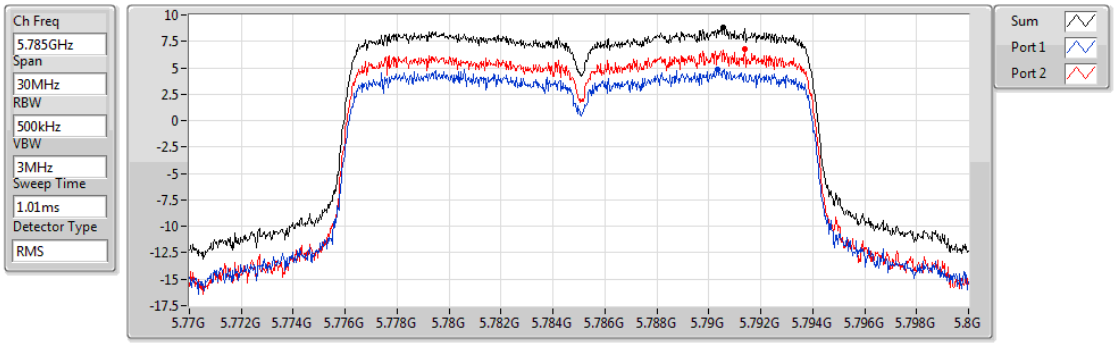
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.36	8.36	4.90	6.28

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

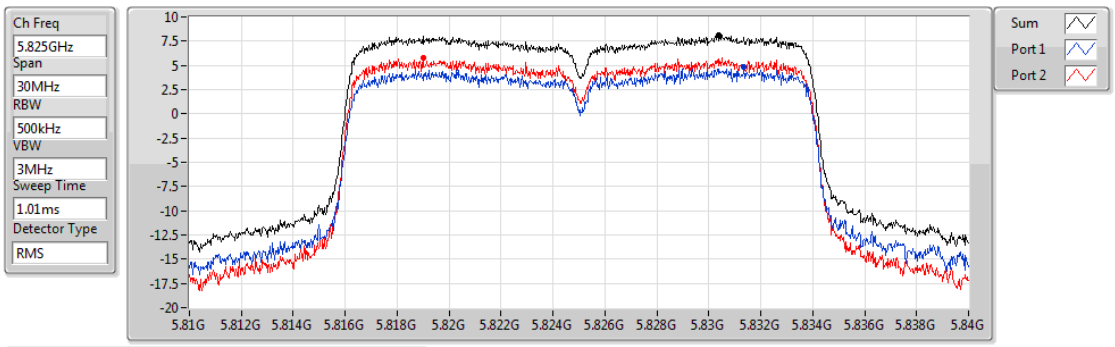
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.78	8.78	4.88	6.76

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

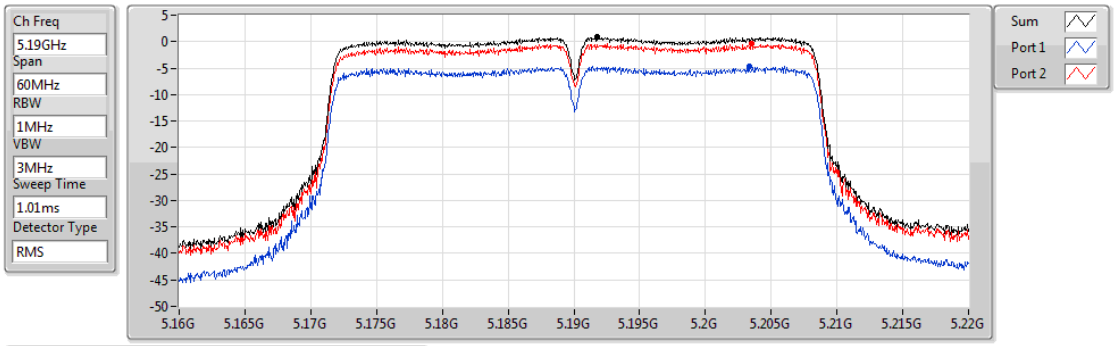
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.14	8.14	4.79	5.74

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

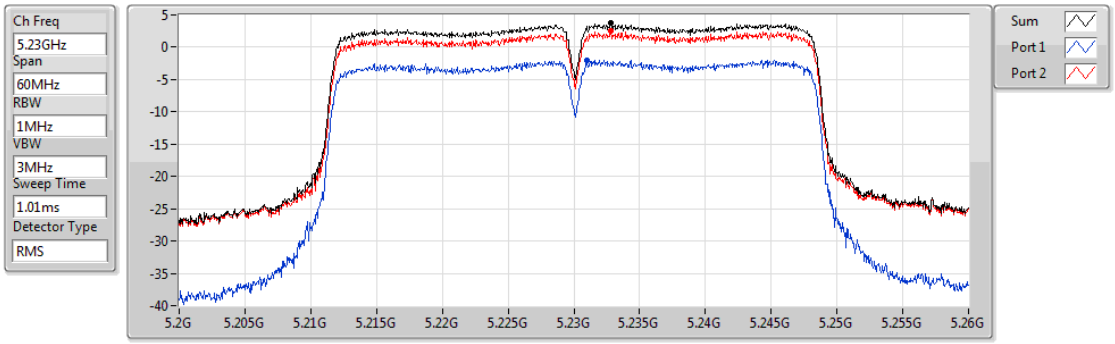
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.83	0.83	-4.62	-0.41

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

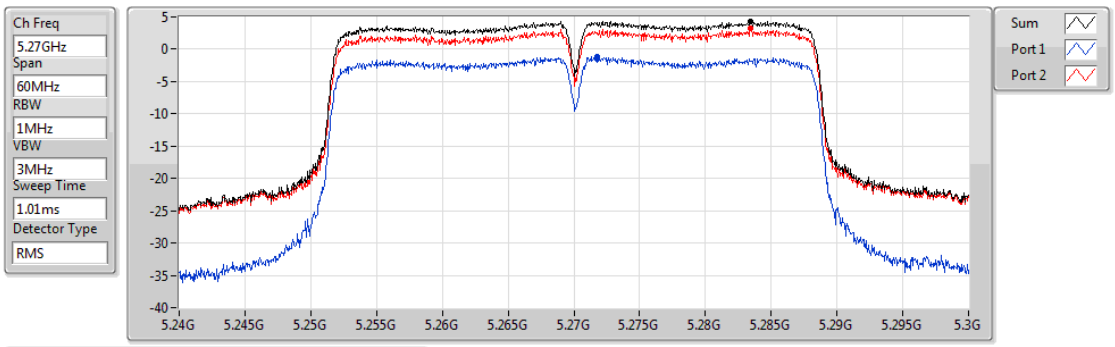
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.70	3.70	-1.95	2.47

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

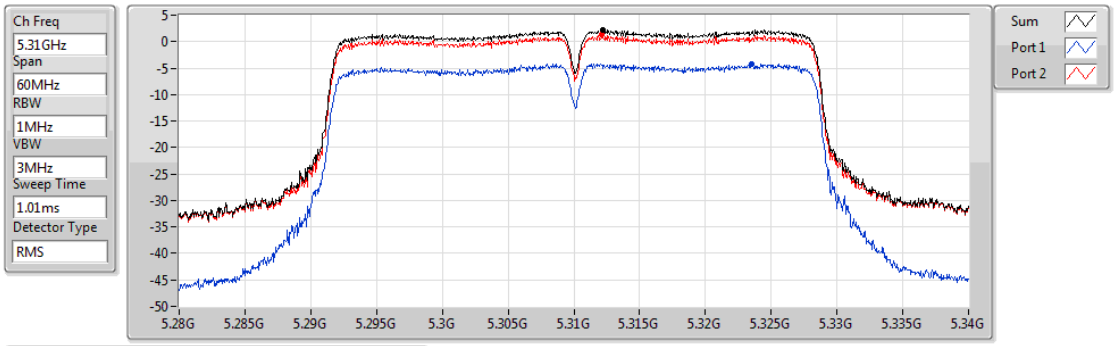
5270MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.38	4.38	-1.12	3.17

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

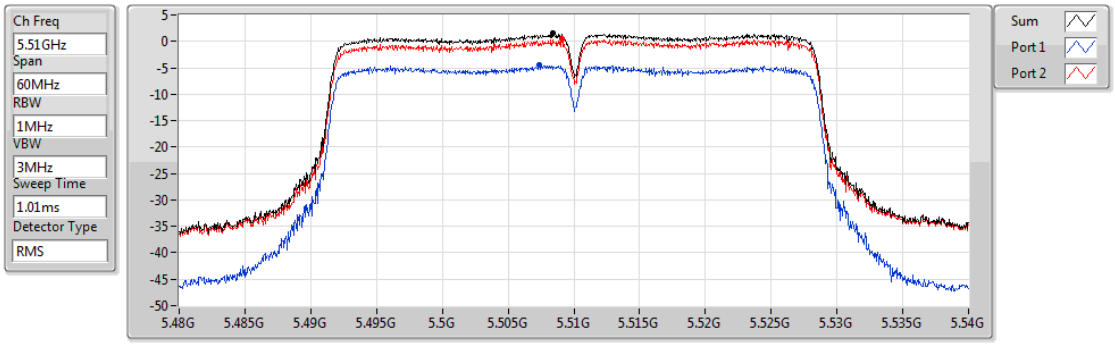
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.28	2.28	-4.17	1.28

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

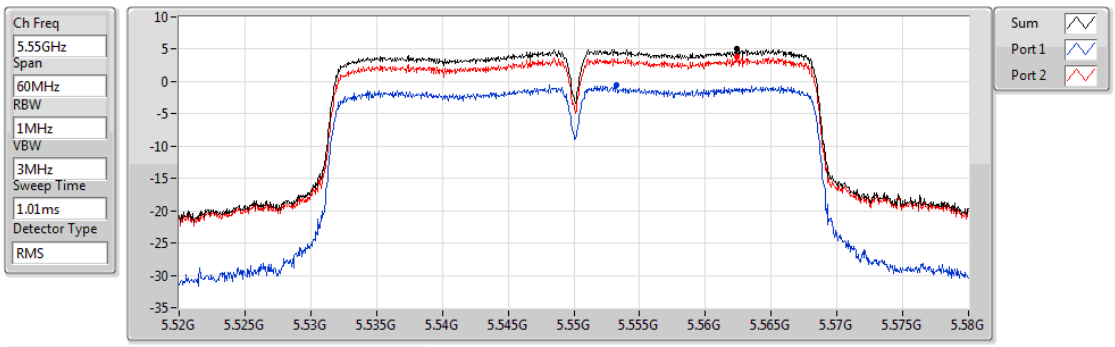
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.51	1.51	-4.47	0.42

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

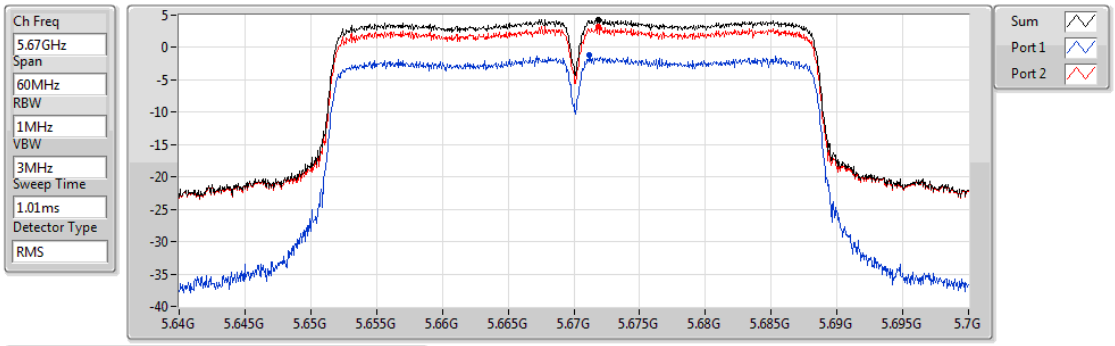
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.04	5.04	-0.50	3.85

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

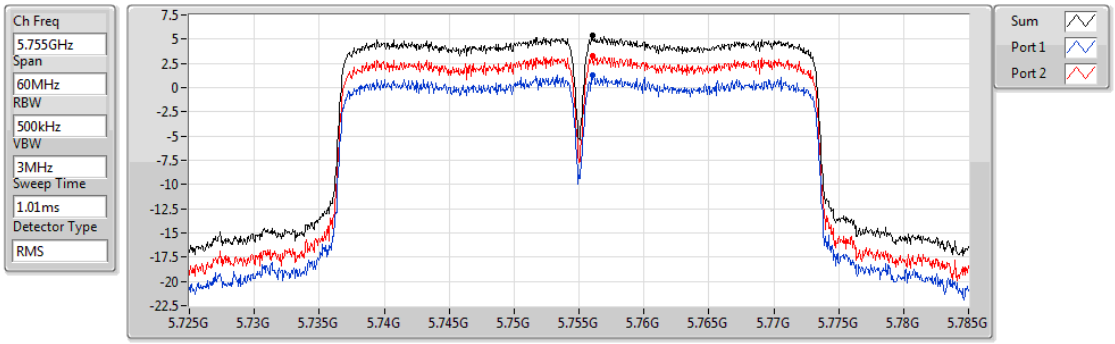
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.34	4.34	-1.23	3.18

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

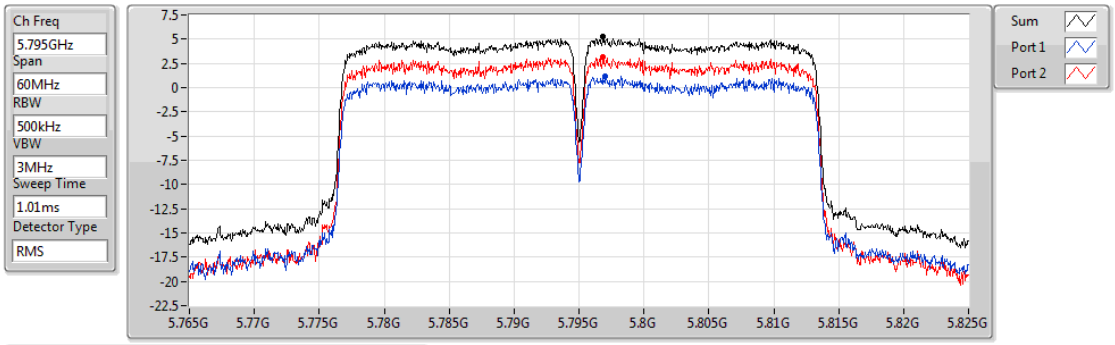
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.42	5.42	1.25	3.32

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

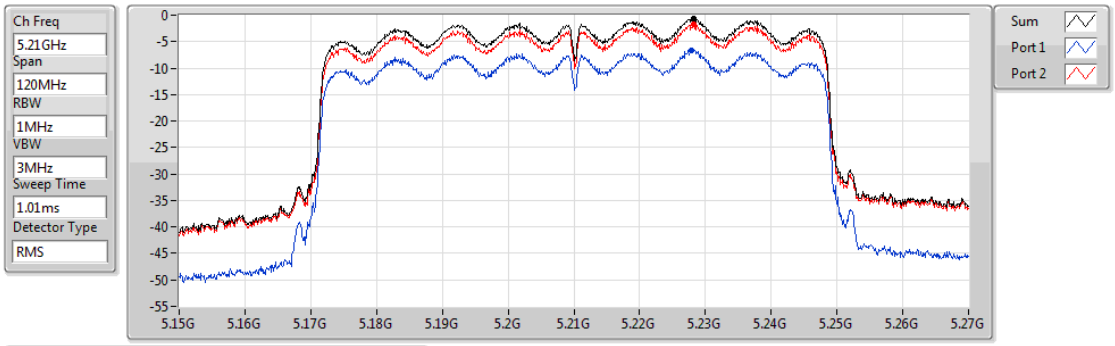
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.27	5.27	1.17	3.21

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

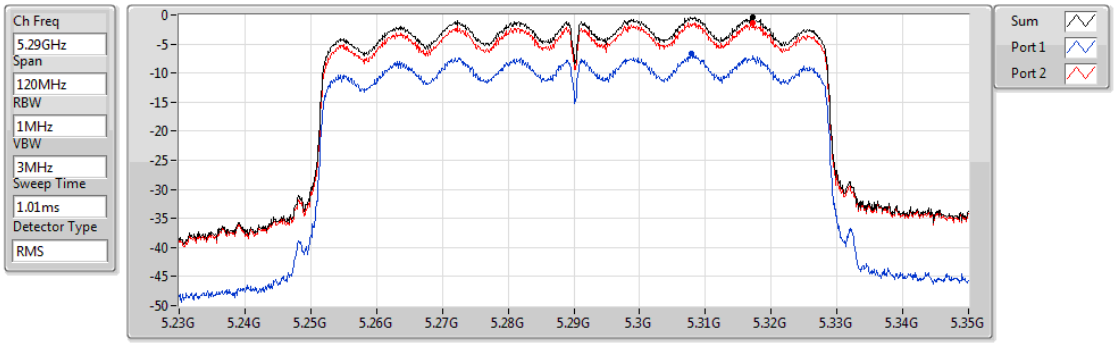
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.61	-0.61	-6.61	-1.80

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

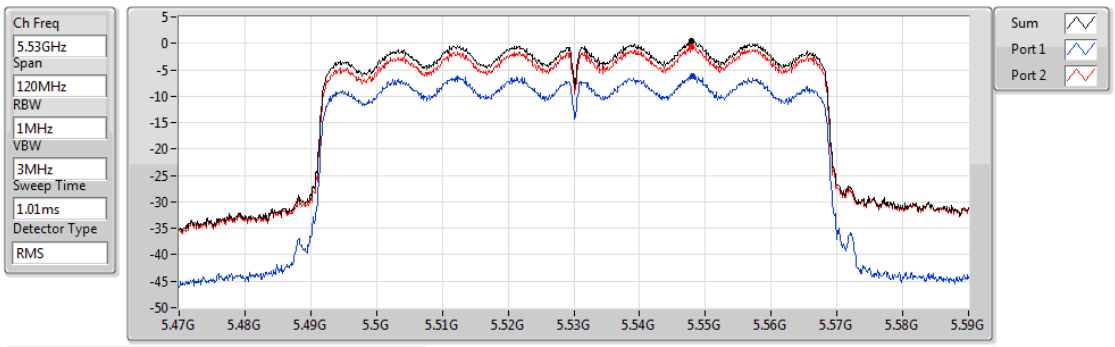
5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.36	-0.36	-6.59	-1.40

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

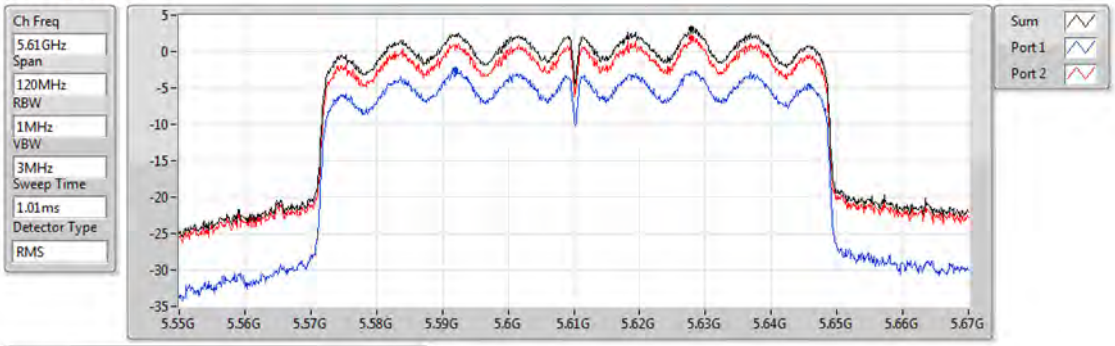
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.44	0.44	-6.11	-0.56

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

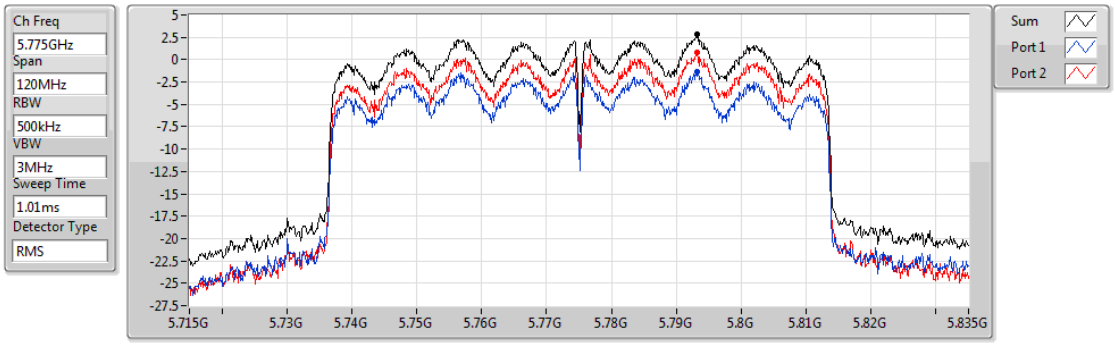
5610MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.15	3.15	-2.43	1.85

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.83	2.83	-1.37	0.75

Summary

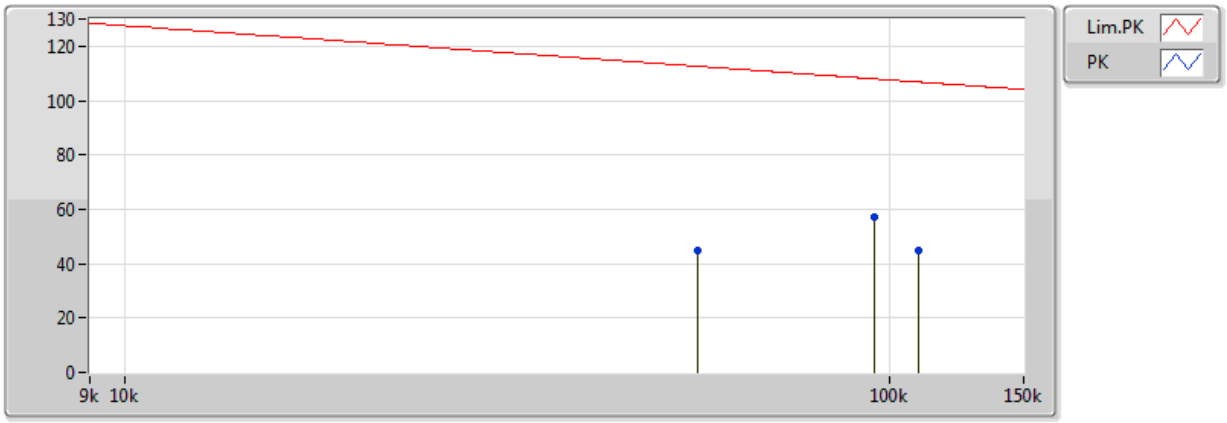
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	PK	142.52M	34.78	43.50	-8.72	-9.92	3	H	360	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	74.62M	27.12	40.00	-12.88	-15.06	3	H	360	1.00	-
5775MHz	Pass	PK	142.52M	34.78	43.50	-8.72	-9.92	3	H	360	1.00	-
5775MHz	Pass	PK	243.4M	31.62	46.00	-14.38	-8.18	3	H	360	1.00	-
5775MHz	Pass	PK	321M	34.62	46.00	-11.38	-6.05	3	H	360	1.00	-
5775MHz	Pass	PK	493.66M	37.22	46.00	-8.78	-2.58	3	H	360	1.00	-
5775MHz	Pass	PK	722.58M	35.28	46.00	-10.72	0.15	3	H	360	1.00	-
5775MHz	Pass	PK	56.094k	44.79	112.62	-67.83	21.12	3	V	360	1.00	-
5775MHz	Pass	PK	95.856k	57.03	107.96	-50.93	20.81	3	V	360	1.00	-
5775MHz	Pass	PK	109.392k	44.75	106.82	-62.07	20.77	3	V	360	1.00	-
5775MHz	Pass	PK	388.8k	45.55	95.81	-50.26	20.52	3	V	0	1.00	-
5775MHz	Pass	PK	6.4782M	35.74	69.50	-33.76	21.42	3	V	0	1.00	-
5775MHz	Pass	PK	17.5227M	35.49	69.50	-34.01	22.95	3	V	0	1.00	-
5775MHz	Pass	PK	30M	23.22	40.00	-16.78	-4.25	3	V	0	1.00	-
5775MHz	Pass	PK	115.36M	28.08	43.50	-15.42	-9.12	3	V	0	1.00	-
5775MHz	Pass	PK	192.96M	23.54	43.50	-19.96	-11.25	3	V	0	1.00	-
5775MHz	Pass	PK	398.6M	27.41	46.00	-18.59	-4.01	3	V	0	1.00	-
5775MHz	Pass	PK	491.72M	30.69	46.00	-15.31	-2.60	3	V	0	1.00	-
5775MHz	Pass	PK	596.48M	31.06	46.00	-14.94	-1.18	3	V	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

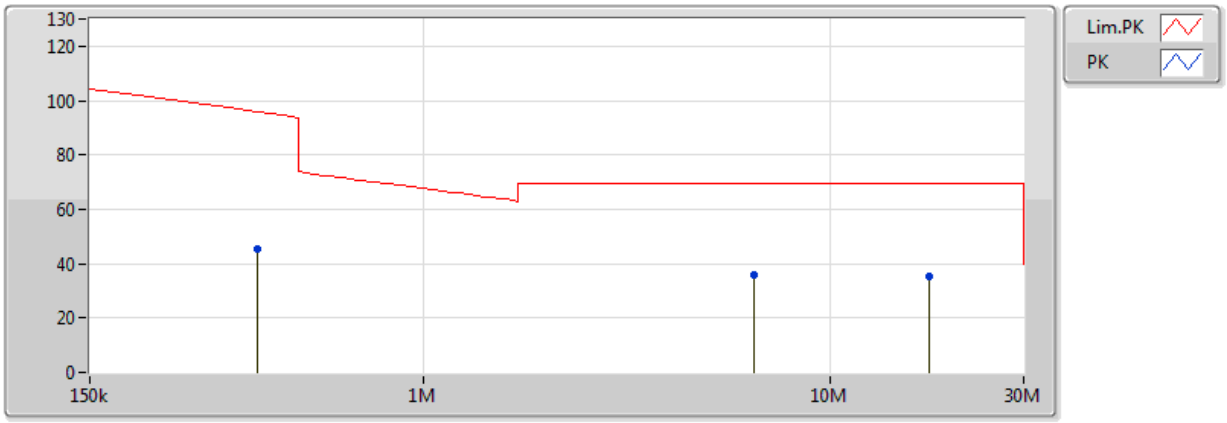


EUT=Z
ANT=Y
ANT=ANT A+ ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	95.856k	57.03	107.96	-50.93	20.81	3	V	360	1.00	-
PK	109.392k	44.75	106.82	-62.07	20.77	3	V	360	1.00	-
PK	56.094k	44.79	112.62	-67.83	21.12	3	V	360	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

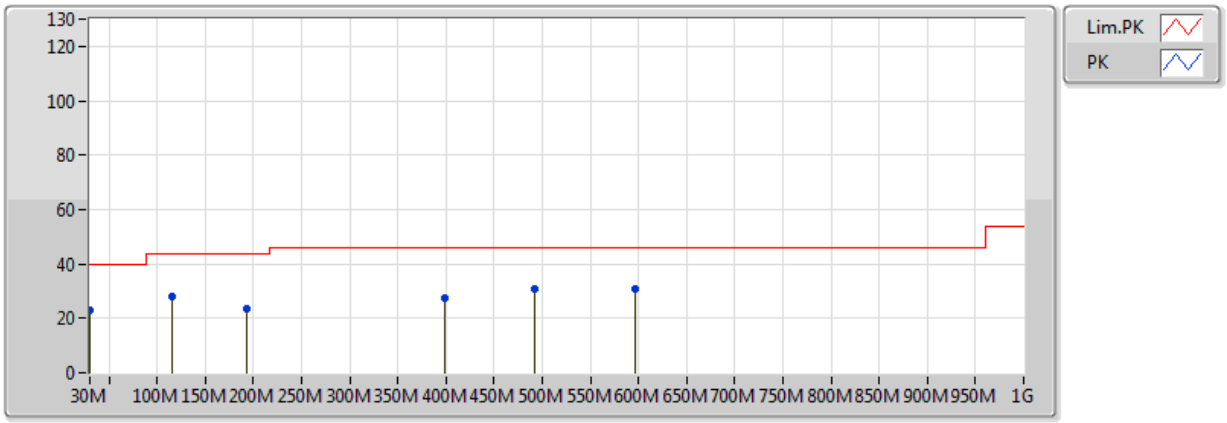


EUT=Z
ANT=Y
ANT=ANT A+ ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	388.8k	45.55	95.81	-50.26	20.52	3	V	0	1.00	-
PK	6.4782M	35.74	69.50	-33.76	21.42	3	V	0	1.00	-
PK	17.5227M	35.49	69.50	-34.01	22.95	3	V	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

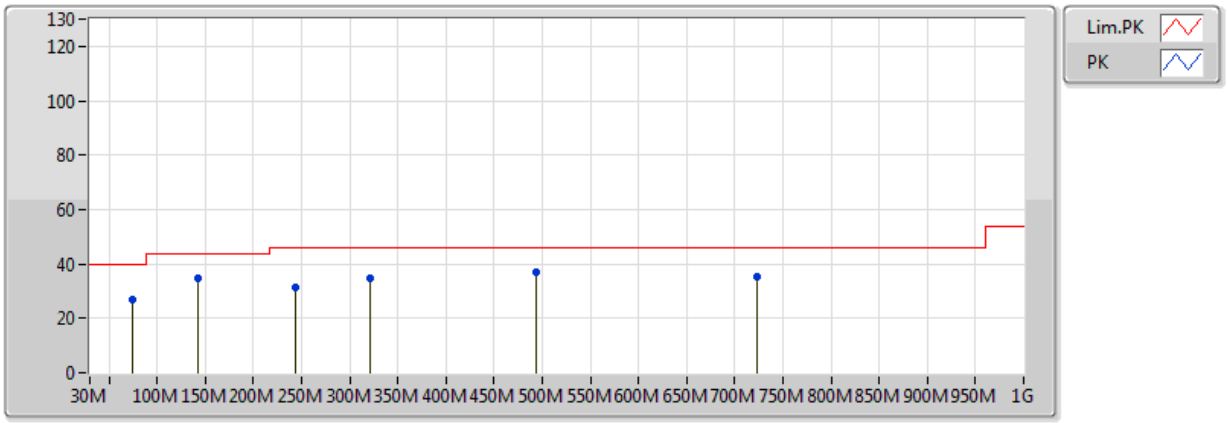


EUT=Z
ANT=Y
ANT=ANT A+ ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	30M	23.22	40.00	-16.78	-4.25	3	V	0	1.00	-
PK	115.36M	28.08	43.50	-15.42	-9.12	3	V	0	1.00	-
PK	192.96M	23.54	43.50	-19.96	-11.25	3	V	0	1.00	-
PK	398.6M	27.41	46.00	-18.59	-4.01	3	V	0	1.00	-
PK	491.72M	30.69	46.00	-15.31	-2.60	3	V	0	1.00	-
PK	596.48M	31.06	46.00	-14.94	-1.18	3	V	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX



EUT=Z
ANT=Y
ANT=ANT A+ ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	74.62M	27.12	40.00	-12.88	-15.06	3	H	360	1.00	-
PK	142.52M	34.78	43.50	-8.72	-9.92	3	H	360	1.00	-
PK	243.4M	31.62	46.00	-14.38	-8.18	3	H	360	1.00	-
PK	321M	34.62	46.00	-11.38	-6.05	3	H	360	1.00	-
PK	493.66M	37.22	46.00	-8.78	-2.58	3	H	360	1.00	-
PK	722.58M	35.28	46.00	-10.72	0.15	3	H	360	1.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	5.149995G	53.25	54.00	-0.75	7.46	3	V	310	2.22	-
5.25-5.35GHz	Pass	AV	5.350005G	53.87	54.00	-0.13	7.98	3	V	276	1.26	-
5.47-5.725GHz	Pass	PK	5.726G	67.95	68.20	-0.25	8.41	3	V	304	1.10	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	PK	5.6478G	65.02	68.20	-3.18	8.39	3	H	346	3.46	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11a_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.793G	95.03	Inf	-Inf	8.42	3	H	346	3.46	-
5180MHz	Pass	PK	5.6478G	65.02	68.20	-3.18	8.39	3	H	346	3.46	-
5180MHz	Pass	PK	5.793G	104.58	Inf	-Inf	8.42	3	H	346	3.46	-
5180MHz	Pass	PK	5.9262G	62.31	68.20	-5.89	8.45	3	H	346	3.46	-
5180MHz	Pass	AV	5.757G	94.60	Inf	-Inf	8.41	3	V	329	1.27	-
5180MHz	Pass	PK	5.6502G	61.61	68.35	-6.73	8.39	3	V	329	1.27	-
5180MHz	Pass	PK	5.757G	104.34	Inf	-Inf	8.41	3	V	329	1.27	-
5180MHz	Pass	PK	5.9502G	62.69	68.20	-5.51	8.45	3	V	329	1.27	-
5180MHz	Pass	AV	11.55G	46.31	54.00	-7.69	15.22	3	H	15	2.22	-
5180MHz	Pass	PK	11.55G	59.56	74.00	-14.44	15.22	3	H	15	2.22	-
5180MHz	Pass	AV	11.55G	45.45	54.00	-8.55	15.22	3	V	233	2.02	-
5180MHz	Pass	PK	11.55G	58.63	74.00	-15.37	15.22	3	V	233	2.02	-
5200MHz	Pass	AV	5.1296G	47.88	54.00	-6.12	7.21	3	H	35	1.50	-
5200MHz	Pass	AV	5.2064G	91.92	Inf	-Inf	7.37	3	H	35	1.50	-
5200MHz	Pass	PK	5.1172G	59.31	74.00	-14.69	7.18	3	H	35	1.50	-
5200MHz	Pass	PK	5.206G	99.54	Inf	-Inf	7.37	3	H	35	1.50	-
5200MHz	Pass	AV	5.149995G	48.23	54.00	-5.77	7.25	3	V	348	1.53	-
5200MHz	Pass	AV	5.2064G	97.56	Inf	-Inf	7.37	3	V	348	1.53	-
5200MHz	Pass	PK	5.1008G	58.89	74.00	-15.11	7.14	3	V	348	1.53	-
5200MHz	Pass	PK	5.1936G	105.10	Inf	-Inf	7.35	3	V	348	1.53	-
5200MHz	Pass	AV	10.4G	40.00	54.00	-14.00	13.86	3	H	241	1.50	-
5200MHz	Pass	PK	10.4G	53.73	74.00	-20.27	13.86	3	H	241	1.50	-
5200MHz	Pass	AV	10.4G	44.34	54.00	-9.66	13.86	3	V	352	3.18	-
5200MHz	Pass	PK	10.4G	58.08	74.00	-15.92	13.86	3	V	352	3.18	-
5240MHz	Pass	AV	5.141G	47.94	54.00	-6.06	7.23	3	H	25	1.02	-
5240MHz	Pass	AV	5.2466G	94.02	Inf	-Inf	7.46	3	H	25	1.02	-
5240MHz	Pass	AV	5.3894G	48.96	54.00	-5.04	7.78	3	H	25	1.02	-
5240MHz	Pass	PK	5.1128G	59.11	74.00	-14.89	7.17	3	H	25	1.02	-
5240MHz	Pass	PK	5.246G	101.55	Inf	-Inf	7.46	3	H	25	1.02	-
5240MHz	Pass	PK	5.3642G	59.68	74.00	-14.32	7.72	3	H	25	1.02	-
5240MHz	Pass	AV	5.1488G	47.75	54.00	-6.25	7.25	3	V	347	1.35	-
5240MHz	Pass	AV	5.2466G	98.94	Inf	-Inf	7.46	3	V	347	1.35	-
5240MHz	Pass	AV	5.3852G	48.96	54.00	-5.04	7.77	3	V	347	1.35	-
5240MHz	Pass	PK	5.144G	58.85	74.00	-15.15	7.24	3	V	347	1.35	-
5240MHz	Pass	PK	5.234G	106.39	Inf	-Inf	7.43	3	V	347	1.35	-
5240MHz	Pass	PK	5.3654G	59.37	74.00	-14.63	7.72	3	V	347	1.35	-
5240MHz	Pass	AV	10.48G	42.98	54.00	-11.02	12.60	3	H	360	1.50	-
5240MHz	Pass	PK	10.48G	56.02	74.00	-17.98	12.60	3	H	360	1.50	-
5240MHz	Pass	AV	10.48G	42.61	54.00	-11.39	12.60	3	V	203	1.50	-
5240MHz	Pass	PK	10.48G	56.68	74.00	-17.32	12.60	3	V	203	1.50	-
5260MHz	Pass	AV	5.1286G	47.87	54.00	-6.13	7.20	3	H	34	3.61	-
5260MHz	Pass	AV	5.266G	94.77	Inf	-Inf	7.51	3	H	34	3.61	-
5260MHz	Pass	AV	5.4004G	48.98	54.00	-5.02	7.80	3	H	34	3.61	-
5260MHz	Pass	PK	5.1118G	59.10	74.00	-14.90	7.17	3	H	34	3.61	-
5260MHz	Pass	PK	5.2666G	102.38	Inf	-Inf	7.51	3	H	34	3.61	-
5260MHz	Pass	PK	5.374G	61.44	74.00	-12.56	7.74	3	H	34	3.61	-
5260MHz	Pass	AV	5.149995G	48.00	54.00	-6.00	7.25	3	V	348	1.60	-
5260MHz	Pass	AV	5.266G	99.60	Inf	-Inf	7.51	3	V	348	1.60	-

RSE TX above 1GHz Result_Big board

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	AV	5.3986G	48.98	54.00	-5.02	7.80	3	V	348	1.60	-
5260MHz	Pass	PK	5.1256G	59.48	74.00	-14.52	7.20	3	V	348	1.60	-
5260MHz	Pass	PK	5.266G	107.00	Inf	-Inf	7.51	3	V	348	1.60	-
5260MHz	Pass	PK	5.3884G	60.10	74.00	-13.90	7.77	3	V	348	1.60	-
5260MHz	Pass	AV	10.52G	40.65	54.00	-13.35	12.69	3	H	145	1.50	-
5260MHz	Pass	PK	10.52G	53.71	74.00	-20.29	12.69	3	H	145	1.50	-
5260MHz	Pass	AV	10.52G	40.19	54.00	-13.81	12.69	3	V	277	1.50	-
5260MHz	Pass	PK	10.52G	53.70	74.00	-20.30	12.69	3	V	277	1.50	-
5300MHz	Pass	AV	5.3064G	96.16	Inf	-Inf	7.59	3	H	33	3.58	-
5300MHz	Pass	AV	5.3912G	48.97	54.00	-5.03	7.78	3	H	33	3.58	-
5300MHz	Pass	PK	5.2936G	103.81	Inf	-Inf	7.57	3	H	33	3.58	-
5300MHz	Pass	PK	5.3816G	60.78	74.00	-13.22	7.76	3	H	33	3.58	-
5300MHz	Pass	AV	5.3064G	100.93	Inf	-Inf	7.59	3	V	346	1.58	-
5300MHz	Pass	AV	5.3516G	49.77	54.00	-4.23	7.69	3	V	346	1.58	-
5300MHz	Pass	PK	5.306G	108.23	Inf	-Inf	7.59	3	V	346	1.58	-
5300MHz	Pass	PK	5.3504G	61.48	74.00	-12.52	7.69	3	V	346	1.58	-
5300MHz	Pass	AV	10.6G	38.63	54.00	-15.37	12.89	3	H	139	1.50	-
5300MHz	Pass	PK	10.6G	52.78	74.00	-21.22	12.89	3	H	139	1.50	-
5300MHz	Pass	AV	10.6G	38.81	54.00	-15.19	12.89	3	V	171	1.50	-
5300MHz	Pass	PK	10.6G	52.57	74.00	-21.43	12.89	3	V	171	1.50	-
5320MHz	Pass	AV	5.3264G	94.96	Inf	-Inf	7.64	3	H	32	3.49	-
5320MHz	Pass	AV	5.350005G	50.91	54.00	-3.09	7.69	3	H	32	3.49	-
5320MHz	Pass	PK	5.326G	102.51	Inf	-Inf	7.64	3	H	32	3.49	-
5320MHz	Pass	PK	5.3528G	64.54	74.00	-9.46	7.70	3	H	32	3.49	-
5320MHz	Pass	AV	5.3262G	100.24	Inf	-Inf	7.64	3	V	349	1.35	-
5320MHz	Pass	AV	5.3504G	53.68	54.00	-0.32	7.69	3	V	349	1.35	-
5320MHz	Pass	PK	5.3258G	107.65	Inf	-Inf	7.64	3	V	349	1.35	-
5320MHz	Pass	PK	5.353G	66.24	74.00	-7.76	7.70	3	V	349	1.35	-
5320MHz	Pass	AV	10.64G	40.52	54.00	-13.48	12.99	3	V	0	1.50	-
5320MHz	Pass	AV	10.64G	40.63	54.00	-13.37	12.99	3	V	161	1.50	-
5320MHz	Pass	PK	10.64G	54.61	74.00	-19.39	12.99	3	V	0	1.50	-
5320MHz	Pass	PK	10.64G	54.81	74.00	-19.19	12.99	3	V	161	1.50	-
5500MHz	Pass	AV	5.458G	49.25	54.00	-4.75	7.93	3	H	62	1.04	-
5500MHz	Pass	AV	5.5064G	96.09	Inf	-Inf	8.03	3	H	62	1.04	-
5500MHz	Pass	PK	5.456G	61.64	74.00	-12.36	7.92	3	H	62	1.04	-
5500MHz	Pass	PK	5.4674G	63.97	68.20	-4.23	7.95	3	H	62	1.04	-
5500MHz	Pass	PK	5.4938G	103.98	Inf	-Inf	8.01	3	H	62	1.04	-
5500MHz	Pass	AV	5.459G	50.24	54.00	-3.76	7.93	3	V	346	1.50	-
5500MHz	Pass	AV	5.5064G	99.09	Inf	-Inf	8.03	3	V	346	1.50	-
5500MHz	Pass	PK	5.46G	63.69	74.00	-10.31	7.93	3	V	346	1.50	-
5500MHz	Pass	PK	5.4674G	66.50	68.20	-1.70	7.95	3	V	346	1.50	-
5500MHz	Pass	PK	5.5058G	106.63	Inf	-Inf	8.03	3	V	346	1.50	-
5500MHz	Pass	AV	11G	40.65	54.00	-13.35	13.88	3	H	237	1.50	-
5500MHz	Pass	PK	11G	55.00	74.00	-19.00	13.88	3	H	237	1.50	-
5500MHz	Pass	AV	11G	40.62	54.00	-13.38	13.88	3	V	147	1.50	-
5500MHz	Pass	PK	11G	53.46	74.00	-20.54	13.88	3	V	147	1.50	-
5580MHz	Pass	AV	5.4306G	48.64	54.00	-5.36	7.87	3	H	20	1.50	-
5580MHz	Pass	AV	5.586G	94.69	Inf	-Inf	8.16	3	H	20	1.50	-
5580MHz	Pass	AV	5.73G	49.36	Inf	-Inf	8.39	3	H	20	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5580MHz	Pass	PK	5.4522G	59.66	74.00	-14.34	7.91	3	H	20	1.50	-
5580MHz	Pass	PK	5.466G	60.17	68.20	-8.03	7.95	3	H	20	1.50	-
5580MHz	Pass	PK	5.5866G	102.31	Inf	-Inf	8.16	3	H	20	1.50	-
5580MHz	Pass	PK	5.7252G	59.89	68.20	-8.31	8.38	3	H	20	1.50	-
5580MHz	Pass	AV	5.442G	48.73	54.00	-5.27	7.89	3	V	345	1.48	-
5580MHz	Pass	AV	5.586G	101.21	Inf	-Inf	8.16	3	V	345	1.48	-
5580MHz	Pass	AV	5.73G	49.60	Inf	-Inf	8.39	3	V	345	1.48	-
5580MHz	Pass	PK	5.4318G	59.33	74.00	-14.67	7.87	3	V	345	1.48	-
5580MHz	Pass	PK	5.4654G	59.32	68.20	-8.88	7.94	3	V	345	1.48	-
5580MHz	Pass	PK	5.5854G	108.79	Inf	-Inf	8.16	3	V	345	1.48	-
5580MHz	Pass	PK	5.7282G	60.30	68.20	-7.90	8.39	3	V	345	1.48	-
5580MHz	Pass	AV	11.16G	40.79	54.00	-13.21	13.68	3	H	338	1.50	-
5580MHz	Pass	PK	11.16G	54.35	74.00	-19.65	13.68	3	H	338	1.50	-
5580MHz	Pass	AV	11.16G	40.59	54.00	-13.41	13.68	3	V	122	1.50	-
5580MHz	Pass	PK	11.16G	54.24	74.00	-19.76	13.68	3	V	122	1.50	-
5700MHz	Pass	AV	5.7064G	93.64	Inf	-Inf	8.35	3	H	55	1.95	-
5700MHz	Pass	AV	5.7256G	51.49	Inf	-Inf	8.38	3	H	55	1.95	-
5700MHz	Pass	PK	5.7056G	101.05	Inf	-Inf	8.35	3	H	55	1.95	-
5700MHz	Pass	PK	5.7272G	62.73	68.20	-5.47	8.39	3	H	55	1.95	-
5700MHz	Pass	AV	5.7064G	98.90	Inf	-Inf	8.35	3	V	343	1.50	-
5700MHz	Pass	AV	5.7256G	55.01	Inf	-Inf	8.38	3	V	343	1.50	-
5700MHz	Pass	PK	5.7064G	106.43	Inf	-Inf	8.35	3	V	343	1.50	-
5700MHz	Pass	PK	5.7256G	67.82	68.20	-0.38	8.38	3	V	343	1.50	-
5700MHz	Pass	AV	11.4G	41.05	54.00	-12.95	13.37	3	H	246	1.50	-
5700MHz	Pass	PK	11.4G	54.74	74.00	-19.26	13.37	3	H	246	1.50	-
5700MHz	Pass	AV	11.4G	40.68	54.00	-13.32	13.37	3	V	360	1.50	-
5700MHz	Pass	PK	11.4G	54.62	74.00	-19.38	13.37	3	V	360	1.50	-
5745MHz	Pass	AV	5.751G	97.33	Inf	-Inf	8.43	3	H	50	1.23	-
5745MHz	Pass	PK	5.5038G	60.75	68.20	-7.45	8.03	3	H	50	1.23	-
5745MHz	Pass	PK	5.751G	105.31	Inf	-Inf	8.43	3	H	50	1.23	-
5745MHz	Pass	PK	5.9706G	60.84	68.20	-7.36	8.78	3	H	50	1.23	-
5745MHz	Pass	AV	5.7522G	102.35	Inf	-Inf	8.43	3	V	4	1.50	-
5745MHz	Pass	PK	5.4906G	59.92	68.20	-8.28	8.00	3	V	4	1.50	-
5745MHz	Pass	PK	5.7522G	109.98	Inf	-Inf	8.43	3	V	4	1.50	-
5745MHz	Pass	PK	5.9478G	60.33	68.20	-7.87	8.75	3	V	4	1.50	-
5745MHz	Pass	AV	11.49G	40.40	54.00	-13.60	13.26	3	H	360	1.50	-
5745MHz	Pass	PK	11.49G	54.29	74.00	-19.71	13.26	3	H	360	1.50	-
5745MHz	Pass	AV	11.49G	42.88	54.00	-11.12	13.26	3	V	316	1.50	-
5745MHz	Pass	PK	11.49G	53.98	74.00	-20.02	13.26	3	V	316	1.50	-
5785MHz	Pass	AV	5.7802G	93.19	Inf	-Inf	3.61	3	H	220	3.21	-
5785MHz	Pass	PK	5.6278G	55.20	68.20	-13.00	3.32	3	H	220	3.21	-
5785MHz	Pass	PK	5.779G	103.23	Inf	-Inf	3.61	3	H	220	3.21	-
5785MHz	Pass	PK	5.9602G	55.32	68.20	-12.88	3.94	3	H	220	3.21	-
5785MHz	Pass	AV	5.791G	100.38	Inf	-Inf	3.63	3	V	13	3.00	-
5785MHz	Pass	PK	5.587G	55.98	68.20	-12.22	3.25	3	V	13	3.00	-
5785MHz	Pass	PK	5.779G	109.93	Inf	-Inf	3.61	3	V	13	3.00	-
5785MHz	Pass	PK	5.9374G	54.68	68.20	-13.52	3.90	3	V	13	3.00	-
5785MHz	Pass	AV	11.57G	39.48	54.00	-14.52	13.16	3	H	222	1.50	-
5785MHz	Pass	PK	11.57G	53.29	74.00	-20.71	13.16	3	H	222	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5785MHz	Pass	AV	11.57G	39.82	54.00	-14.18	13.16	3	V	33	1.50	-
5785MHz	Pass	PK	11.57G	53.67	74.00	-20.33	13.16	3	V	33	1.50	-
5825MHz	Pass	AV	5.8298G	93.48	Inf	-Inf	3.70	3	H	64	1.14	-
5825MHz	Pass	PK	5.5634G	55.48	68.20	-12.72	3.20	3	H	64	1.14	-
5825MHz	Pass	PK	5.8286G	102.83	Inf	-Inf	3.70	3	H	64	1.14	-
5825MHz	Pass	PK	5.9462G	55.05	68.20	-13.15	3.92	3	H	64	1.14	-
5825MHz	Pass	AV	5.8298G	100.21	Inf	-Inf	3.70	3	V	344	2.85	-
5825MHz	Pass	PK	5.6066G	55.44	68.20	-12.76	3.28	3	V	344	2.85	-
5825MHz	Pass	PK	5.819G	110.13	Inf	-Inf	3.68	3	V	344	2.85	-
5825MHz	Pass	PK	5.9678G	54.95	68.20	-13.25	3.96	3	V	344	2.85	-
5825MHz	Pass	AV	11.65G	39.55	54.00	-14.45	13.05	3	H	257	1.50	-
5825MHz	Pass	PK	11.65G	53.15	74.00	-20.85	13.05	3	H	257	1.50	-
5825MHz	Pass	AV	11.65G	38.88	54.00	-15.12	13.05	3	V	123	1.50	-
5825MHz	Pass	PK	11.65G	53.10	74.00	-20.90	13.05	3	V	123	1.50	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	43.97	54.00	-10.03	2.69	3	H	327	2.75	-
5180MHz	Pass	AV	5.1856G	94.25	Inf	-Inf	2.73	3	H	327	2.75	-
5180MHz	Pass	PK	5.1496G	59.53	74.00	-14.47	2.69	3	H	327	2.75	-
5180MHz	Pass	PK	5.1852G	103.88	Inf	-Inf	2.73	3	H	327	2.75	-
5180MHz	Pass	AV	5.149995G	43.79	54.00	-10.21	2.69	3	V	229	1.41	-
5180MHz	Pass	AV	5.1744G	95.59	Inf	-Inf	2.72	3	V	229	1.41	-
5180MHz	Pass	PK	5.143G	58.66	74.00	-15.34	2.68	3	V	229	1.41	-
5180MHz	Pass	PK	5.1748G	105.25	Inf	-Inf	2.72	3	V	229	1.41	-
5180MHz	Pass	AV	10.36G	40.67	54.00	-13.33	12.30	3	H	360	1.50	-
5180MHz	Pass	PK	10.36G	54.31	74.00	-19.69	12.30	3	H	360	1.50	-
5180MHz	Pass	AV	10.36G	41.22	54.00	-12.78	12.30	3	V	342	3.61	-
5180MHz	Pass	PK	10.36G	55.03	74.00	-18.97	12.30	3	V	342	3.61	-
5200MHz	Pass	AV	5.116G	45.36	54.00	-8.64	2.65	3	H	223	1.50	-
5200MHz	Pass	AV	5.1948G	97.59	Inf	-Inf	2.74	3	H	223	1.50	-
5200MHz	Pass	AV	10.4G	44.67	54.00	-9.33	12.40	3	H	25	3.69	-
5200MHz	Pass	PK	5.1176G	58.24	74.00	-15.76	2.65	3	H	223	1.50	-
5200MHz	Pass	PK	5.1944G	107.83	Inf	-Inf	2.74	3	H	223	1.50	-
5200MHz	Pass	PK	10.4G	59.07	74.00	-14.93	12.40	3	H	25	3.69	-
5200MHz	Pass	AV	5.1284G	44.83	54.00	-9.17	2.66	3	V	223	2.23	-
5200MHz	Pass	AV	5.2056G	98.10	Inf	-Inf	2.76	3	V	223	2.23	-
5200MHz	Pass	AV	10.4G	46.57	54.00	-7.43	12.40	3	V	312	2.09	-
5200MHz	Pass	PK	5.1056G	57.81	74.00	-16.19	2.64	3	V	223	2.23	-
5200MHz	Pass	PK	5.2068G	108.22	Inf	-Inf	2.76	3	V	223	2.23	-
5200MHz	Pass	PK	10.4G	60.76	74.00	-13.24	12.40	3	V	312	2.09	-
5240MHz	Pass	AV	5.12G	44.28	54.00	-9.72	2.65	3	H	198	1.49	-
5240MHz	Pass	AV	5.2454G	98.87	Inf	-Inf	2.80	3	H	198	1.49	-
5240MHz	Pass	AV	5.3804G	44.42	54.00	-9.58	2.95	3	H	198	1.49	-
5240MHz	Pass	AV	10.48G	43.97	54.00	-10.03	12.60	3	H	16	3.61	-
5240MHz	Pass	PK	5.1044G	57.99	74.00	-16.01	2.64	3	H	198	1.49	-
5240MHz	Pass	PK	5.246G	108.95	Inf	-Inf	2.80	3	H	198	1.49	-
5240MHz	Pass	PK	5.3558G	57.75	74.00	-16.25	2.92	3	H	198	1.49	-
5240MHz	Pass	PK	10.48G	58.30	74.00	-15.70	12.60	3	H	16	3.61	-
5240MHz	Pass	AV	5.1092G	44.37	54.00	-9.63	2.64	3	V	281	1.05	-
5240MHz	Pass	AV	5.2454G	102.59	Inf	-Inf	2.80	3	V	281	1.05	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	AV	5.39G	44.70	54.00	-9.30	2.96	3	V	281	1.05	-
5240MHz	Pass	AV	10.48G	43.28	54.00	-10.72	12.60	3	V	149	1.08	-
5240MHz	Pass	PK	5.1044G	57.67	74.00	-16.33	2.64	3	V	281	1.05	-
5240MHz	Pass	PK	5.246G	112.57	Inf	-Inf	2.80	3	V	281	1.05	-
5240MHz	Pass	PK	5.3618G	58.21	74.00	-15.79	2.92	3	V	281	1.05	-
5240MHz	Pass	PK	10.48G	56.55	74.00	-17.45	12.60	3	V	149	1.08	-
5260MHz	Pass	AV	5.1484G	42.42	54.00	-11.58	2.69	3	H	299	2.77	-
5260MHz	Pass	AV	5.2546G	94.67	Inf	-Inf	2.80	3	H	299	2.77	-
5260MHz	Pass	AV	5.407G	42.65	54.00	-11.35	2.98	3	H	299	2.77	-
5260MHz	Pass	AV	10.52G	41.54	54.00	-12.46	12.69	3	H	178	1.84	-
5260MHz	Pass	PK	5.1232G	55.71	74.00	-18.29	2.66	3	H	299	2.77	-
5260MHz	Pass	PK	5.2552G	104.14	Inf	-Inf	2.81	3	H	299	2.77	-
5260MHz	Pass	PK	5.3944G	55.24	74.00	-18.76	2.96	3	H	299	2.77	-
5260MHz	Pass	PK	10.52G	59.53	74.00	-14.47	12.69	3	H	178	1.84	-
5260MHz	Pass	AV	5.1196G	42.49	54.00	-11.51	2.65	3	V	357	1.29	-
5260MHz	Pass	AV	5.266G	99.41	Inf	-Inf	2.82	3	V	357	1.29	-
5260MHz	Pass	AV	5.383G	42.66	54.00	-11.34	2.95	3	V	357	1.29	-
5260MHz	Pass	AV	10.52G	41.69	54.00	-12.31	12.69	3	V	205	1.01	-
5260MHz	Pass	PK	5.1262G	54.85	74.00	-19.15	2.66	3	V	357	1.29	-
5260MHz	Pass	PK	5.2666G	108.75	Inf	-Inf	2.82	3	V	357	1.29	-
5260MHz	Pass	PK	5.3602G	55.03	74.00	-18.97	2.92	3	V	357	1.29	-
5260MHz	Pass	PK	10.52G	58.39	74.00	-15.61	12.69	3	V	205	1.01	-
5300MHz	Pass	AV	5.3056G	98.65	Inf	-Inf	2.86	3	H	316	3.50	-
5300MHz	Pass	AV	5.350005G	42.49	54.00	-11.51	2.91	3	H	316	3.50	-
5300MHz	Pass	AV	10.6G	41.19	54.00	-12.81	12.89	3	H	18	2.74	-
5300MHz	Pass	PK	5.3068G	108.20	Inf	-Inf	2.86	3	H	316	3.50	-
5300MHz	Pass	PK	5.3512G	56.38	74.00	-17.62	2.91	3	H	316	3.50	-
5300MHz	Pass	PK	10.6G	54.85	74.00	-19.15	12.89	3	H	18	2.74	-
5300MHz	Pass	AV	5.3056G	100.25	Inf	-Inf	2.86	3	V	316	1.05	-
5300MHz	Pass	AV	5.3804G	43.39	54.00	-10.61	2.95	3	V	316	1.05	-
5300MHz	Pass	AV	10.6G	41.74	54.00	-12.26	12.89	3	V	213	2.56	-
5300MHz	Pass	PK	5.3064G	109.73	Inf	-Inf	2.86	3	V	316	1.05	-
5300MHz	Pass	PK	5.3512G	56.36	74.00	-17.64	2.91	3	V	316	1.05	-
5300MHz	Pass	PK	10.6G	55.40	74.00	-18.60	12.89	3	V	213	2.56	-
5320MHz	Pass	AV	5.3256G	98.21	Inf	-Inf	2.88	3	H	298	2.22	-
5320MHz	Pass	AV	5.350005G	53.52	54.00	-0.48	2.91	3	H	298	2.22	-
5320MHz	Pass	AV	10.64G	42.90	54.00	-11.10	12.99	3	H	15	3.69	-
5320MHz	Pass	PK	5.3264G	107.86	Inf	-Inf	2.88	3	H	298	2.22	-
5320MHz	Pass	PK	5.3504G	71.55	74.00	-2.45	2.91	3	H	298	2.22	-
5320MHz	Pass	PK	10.64G	56.67	74.00	-17.33	12.99	3	H	15	3.69	-
5320MHz	Pass	AV	5.3258G	100.16	Inf	-Inf	2.88	3	V	319	1.15	-
5320MHz	Pass	AV	5.350005G	49.22	54.00	-4.78	2.91	3	V	319	1.15	-
5320MHz	Pass	AV	10.64G	44.53	54.00	-9.47	12.99	3	V	308	1.88	-
5320MHz	Pass	PK	5.3264G	109.79	Inf	-Inf	2.88	3	V	319	1.15	-
5320MHz	Pass	PK	5.3532G	64.61	74.00	-9.39	2.91	3	V	319	1.15	-
5320MHz	Pass	PK	10.64G	57.85	74.00	-16.15	12.99	3	V	308	1.88	-
5500MHz	Pass	AV	5.46G	45.89	54.00	-8.11	3.04	3	H	341	2.35	-
5500MHz	Pass	AV	5.5056G	97.64	Inf	-Inf	3.09	3	H	341	2.35	-
5500MHz	Pass	AV	11G	42.08	54.00	-11.92	13.88	3	H	359	3.03	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5500MHz	Pass	PK	5.4574G	62.82	74.00	-11.18	3.03	3	H	341	2.35	-
5500MHz	Pass	PK	5.469G	66.73	68.20	-1.47	3.05	3	H	341	2.35	-
5500MHz	Pass	PK	5.5052G	107.15	Inf	-Inf	3.09	3	H	341	2.35	-
5500MHz	Pass	PK	11G	56.12	74.00	-17.88	13.88	3	H	359	3.03	-
5500MHz	Pass	AV	5.46G	45.87	54.00	-8.13	3.04	3	V	312	2.28	-
5500MHz	Pass	AV	5.5056G	101.75	Inf	-Inf	3.09	3	V	312	2.28	-
5500MHz	Pass	AV	11G	42.82	54.00	-11.18	13.88	3	V	222	2.00	-
5500MHz	Pass	PK	5.4578G	62.00	74.00	-12.00	3.03	3	V	312	2.28	-
5500MHz	Pass	PK	5.4662G	64.00	68.20	-4.20	3.04	3	V	312	2.28	-
5500MHz	Pass	PK	5.5052G	111.30	Inf	-Inf	3.09	3	V	312	2.28	-
5500MHz	Pass	PK	11G	56.55	74.00	-17.45	13.88	3	V	222	2.00	-
5580MHz	Pass	AV	5.4552G	48.89	54.00	-5.11	8.26	3	H	210	1.01	-
5580MHz	Pass	AV	5.5752G	100.00	Inf	-Inf	8.38	3	H	210	1.01	-
5580MHz	Pass	AV	11.16G	42.11	54.00	-11.89	13.86	3	H	219	1.93	-
5580MHz	Pass	PK	5.439G	62.11	74.00	-11.89	8.22	3	H	210	1.01	-
5580MHz	Pass	PK	5.4636G	61.41	68.20	-6.79	8.28	3	H	210	1.01	-
5580MHz	Pass	PK	5.5758G	109.61	Inf	-Inf	8.38	3	H	210	1.01	-
5580MHz	Pass	PK	5.7294G	61.39	68.20	-6.81	8.41	3	H	210	1.01	-
5580MHz	Pass	PK	11.16G	56.19	74.00	-17.81	13.86	3	H	219	1.93	-
5580MHz	Pass	AV	5.4576G	48.84	54.00	-5.16	8.27	3	V	280	1.29	-
5580MHz	Pass	AV	5.586G	102.74	Inf	-Inf	8.38	3	V	280	1.29	-
5580MHz	Pass	AV	11.16G	41.36	54.00	-12.64	13.86	3	V	290	1.03	-
5580MHz	Pass	PK	5.4546G	61.76	74.00	-12.24	8.26	3	V	280	1.29	-
5580MHz	Pass	PK	5.4642G	61.93	68.20	-6.27	8.28	3	V	280	1.29	-
5580MHz	Pass	PK	5.5866G	112.12	Inf	-Inf	8.38	3	V	280	1.29	-
5580MHz	Pass	PK	5.7276G	61.52	68.20	-6.68	8.41	3	V	280	1.29	-
5580MHz	Pass	PK	11.16G	55.40	74.00	-18.60	13.86	3	V	290	1.03	-
5700MHz	Pass	AV	5.7056G	96.55	Inf	-Inf	8.40	3	H	313	1.08	-
5700MHz	Pass	AV	11.4G	43.57	54.00	-10.43	13.53	3	H	224	1.97	-
5700MHz	Pass	PK	5.7072G	106.09	Inf	-Inf	8.40	3	H	313	1.08	-
5700MHz	Pass	PK	5.8176G	63.00	68.20	-5.20	8.42	3	H	313	1.08	-
5700MHz	Pass	PK	11.4G	56.53	74.00	-17.47	13.52	3	H	224	1.97	-
5700MHz	Pass	AV	5.7056G	101.19	Inf	-Inf	8.40	3	V	296	2.14	-
5700MHz	Pass	AV	11.4G	41.92	54.00	-12.08	13.53	3	V	322	3.29	-
5700MHz	Pass	PK	5.7072G	110.81	Inf	-Inf	8.40	3	V	296	2.14	-
5700MHz	Pass	PK	5.7256G	67.62	68.20	-0.58	8.41	3	V	296	2.14	-
5700MHz	Pass	PK	11.4G	55.38	74.00	-18.62	13.52	3	V	322	3.29	-
5745MHz	Pass	AV	5.7402G	102.02	Inf	-Inf	8.41	3	H	314	1.06	-
5745MHz	Pass	PK	5.5866G	62.36	68.20	-5.84	8.38	3	H	314	1.06	-
5745MHz	Pass	PK	5.739G	111.47	Inf	-Inf	8.41	3	H	314	1.06	-
5745MHz	Pass	PK	5.937G	61.37	68.20	-6.83	8.45	3	H	314	1.06	-
5745MHz	Pass	AV	5.751G	103.89	Inf	-Inf	8.41	3	V	301	2.09	-
5745MHz	Pass	PK	5.6478G	61.84	68.20	-6.36	8.39	3	V	301	2.09	-
5745MHz	Pass	PK	5.7522G	113.50	Inf	-Inf	8.41	3	V	301	2.09	-
5745MHz	Pass	PK	5.9718G	61.62	68.20	-6.58	8.45	3	V	301	2.09	-
5745MHz	Pass	AV	11.49G	42.81	54.00	-11.19	13.41	3	H	178	2.01	-
5745MHz	Pass	PK	11.49G	56.85	74.00	-17.15	13.41	3	H	178	2.01	-
5745MHz	Pass	AV	11.49G	43.23	54.00	-10.77	13.41	3	V	216	1.93	-
5745MHz	Pass	PK	11.49G	57.36	74.00	-16.64	13.41	3	V	216	1.93	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5785MHz	Pass	AV	5.791G	102.78	Inf	-Inf	8.42	3	H	314	1.00	-
5785MHz	Pass	PK	5.5486G	61.25	68.20	-6.95	8.37	3	H	314	1.00	-
5785MHz	Pass	PK	5.7922G	112.38	Inf	-Inf	8.42	3	H	314	1.00	-
5785MHz	Pass	PK	5.9794G	61.64	68.20	-6.56	8.46	3	H	314	1.00	-
5785MHz	Pass	AV	5.7802G	103.02	Inf	-Inf	8.42	3	V	313	1.07	-
5785MHz	Pass	PK	5.4898G	61.79	68.20	-6.41	8.35	3	V	313	1.07	-
5785MHz	Pass	PK	5.7802G	112.21	Inf	-Inf	8.42	3	V	313	1.07	-
5785MHz	Pass	PK	5.9698G	62.00	68.20	-6.20	8.45	3	V	313	1.07	-
5785MHz	Pass	AV	11.57G	44.50	54.00	-9.50	13.30	3	H	351	2.09	-
5785MHz	Pass	PK	11.57G	57.63	74.00	-16.37	13.30	3	H	351	2.09	-
5785MHz	Pass	AV	11.57G	44.29	54.00	-9.71	13.30	3	V	215	1.97	-
5785MHz	Pass	PK	11.57G	58.32	74.00	-15.68	13.30	3	V	215	1.97	-
5825MHz	Pass	AV	5.831G	103.26	Inf	-Inf	8.43	3	H	313	1.06	-
5825MHz	Pass	PK	5.6402G	62.10	68.20	-6.10	8.39	3	H	313	1.06	-
5825MHz	Pass	PK	5.8286G	112.39	Inf	-Inf	NaN	3	H	NaN	NaN	-
5825MHz	Pass	PK	5.9342G	60.94	68.20	-7.26	8.45	3	H	313	1.06	-
5825MHz	Pass	AV	5.831G	102.85	Inf	-Inf	8.43	3	V	311	1.06	-
5825MHz	Pass	PK	5.543G	62.90	68.20	-5.30	8.37	3	V	311	1.06	-
5825MHz	Pass	PK	5.831G	112.36	Inf	-Inf	8.43	3	V	311	1.06	-
5825MHz	Pass	PK	5.957G	62.10	68.20	-6.10	8.45	3	V	311	1.06	-
5825MHz	Pass	AV	11.65G	45.93	54.00	-8.07	15.36	3	V	202	1.50	-
5825MHz	Pass	AV	11.65G	48.65	54.00	-5.35	15.36	3	V	9	2.23	-
5825MHz	Pass	PK	11.65G	59.69	74.00	-14.31	15.36	3	V	202	1.50	-
5825MHz	Pass	PK	11.65G	61.51	74.00	-12.49	15.36	3	V	9	2.23	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1488G	50.29	54.00	-3.71	7.43	3	H	125	1.74	-
5190MHz	Pass	AV	5.1856G	89.34	Inf	-Inf	7.55	3	H	125	1.74	-
5190MHz	Pass	PK	5.1464G	64.48	74.00	-9.52	7.45	3	H	125	1.74	-
5190MHz	Pass	PK	5.1836G	98.05	Inf	-Inf	7.52	3	H	125	1.74	-
5190MHz	Pass	AV	5.149995G	53.25	54.00	-0.75	7.46	3	V	310	2.22	-
5190MHz	Pass	AV	5.1916G	95.41	Inf	-Inf	7.58	3	V	310	2.22	-
5190MHz	Pass	PK	5.149995G	67.71	74.00	-6.29	7.46	3	V	310	2.22	-
5190MHz	Pass	PK	5.188G	104.65	Inf	-Inf	7.57	3	V	310	2.22	-
5190MHz	Pass	AV	10.38G	43.84	54.00	-10.16	13.42	3	H	148	1.14	-
5190MHz	Pass	PK	10.38G	57.29	74.00	-16.71	13.42	3	H	148	1.14	-
5190MHz	Pass	AV	10.38G	43.92	54.00	-10.08	13.42	3	V	59	1.50	-
5190MHz	Pass	PK	10.38G	57.22	74.00	-16.78	13.42	3	V	59	1.50	-
5230MHz	Pass	AV	5.1392G	48.20	54.00	-5.80	7.43	3	H	344	2.78	-
5230MHz	Pass	AV	5.1416G	48.19	54.00	-5.81	7.43	3	H	346	2.49	-
5230MHz	Pass	AV	5.2448G	91.32	Inf	-Inf	7.71	3	H	344	2.78	-
5230MHz	Pass	AV	5.246G	92.23	Inf	-Inf	7.71	3	H	346	2.49	-
5230MHz	Pass	PK	5.1448G	60.57	74.00	-13.43	7.44	3	H	344	2.78	-
5230MHz	Pass	PK	5.1484G	60.69	74.00	-13.31	7.46	3	H	346	2.49	-
5230MHz	Pass	PK	5.2408G	101.44	Inf	-Inf	7.70	3	H	346	2.49	-
5230MHz	Pass	PK	5.2432G	100.70	Inf	-Inf	7.71	3	H	344	2.78	-
5230MHz	Pass	AV	10.46G	44.27	54.00	-9.73	13.56	3	H	296	1.50	-
5230MHz	Pass	PK	10.46G	58.39	74.00	-15.61	13.56	3	H	296	1.50	-
5230MHz	Pass	AV	10.46G	44.43	54.00	-9.57	13.56	3	V	197	2.32	-
5230MHz	Pass	PK	10.46G	58.06	74.00	-15.94	13.56	3	V	197	2.32	-

RSE TX above 1GHz Result_Big board

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5270MHz	Pass	AV	5.2688G	93.22	Inf	-Inf	7.76	3	H	345	2.61	-
5270MHz	Pass	AV	5.3672G	49.12	54.00	-4.88	8.03	3	H	345	2.61	-
5270MHz	Pass	PK	5.2684G	103.01	Inf	-Inf	7.76	3	H	345	2.61	-
5270MHz	Pass	PK	5.3684G	61.41	74.00	-12.59	8.04	3	H	345	2.61	-
5270MHz	Pass	AV	5.2836G	95.81	Inf	-Inf	7.79	3	V	280	1.27	-
5270MHz	Pass	AV	5.366G	49.25	54.00	-4.75	8.03	3	V	280	1.27	-
5270MHz	Pass	PK	5.2808G	106.06	Inf	-Inf	7.79	3	V	280	1.27	-
5270MHz	Pass	PK	5.3684G	62.51	74.00	-11.49	8.04	3	V	280	1.27	-
5270MHz	Pass	AV	10.54G	44.03	54.00	-9.97	13.71	3	H	135	1.50	-
5270MHz	Pass	PK	10.54G	57.73	74.00	-16.27	13.71	3	H	135	1.50	-
5270MHz	Pass	AV	10.54G	44.34	54.00	-9.66	13.71	3	V	196	1.30	-
5270MHz	Pass	PK	10.54G	58.08	74.00	-15.92	13.71	3	V	196	1.30	-
5310MHz	Pass	AV	5.3084G	90.92	Inf	-Inf	7.86	3	H	349	2.84	-
5310MHz	Pass	AV	5.3504G	52.04	54.00	-1.96	7.98	3	H	349	2.84	-
5310MHz	Pass	PK	5.3084G	100.23	Inf	-Inf	7.86	3	H	349	2.84	-
5310MHz	Pass	PK	5.356G	67.90	74.00	-6.10	8.00	3	H	349	2.84	-
5310MHz	Pass	AV	5.3236G	94.04	Inf	-Inf	7.90	3	V	276	1.26	-
5310MHz	Pass	AV	5.350005G	53.87	54.00	-0.13	7.98	3	V	276	1.26	-
5310MHz	Pass	PK	5.3204G	103.81	Inf	-Inf	7.89	3	V	276	1.26	-
5310MHz	Pass	PK	5.3504G	69.09	74.00	-4.91	7.98	3	V	276	1.26	-
5310MHz	Pass	AV	10.62G	43.46	54.00	-10.54	13.85	3	H	314	1.60	-
5310MHz	Pass	PK	10.62G	57.67	74.00	-16.33	13.85	3	H	314	1.60	-
5310MHz	Pass	AV	10.62G	43.41	54.00	-10.59	13.85	3	V	154	1.50	-
5310MHz	Pass	PK	10.62G	57.11	74.00	-16.89	13.85	3	V	154	1.50	-
5510MHz	Pass	AV	5.4596G	49.24	54.00	-4.76	8.27	3	H	214	1.20	-
5510MHz	Pass	AV	5.512G	92.14	Inf	-Inf	8.37	3	H	214	1.20	-
5510MHz	Pass	PK	5.44G	61.67	74.00	-12.33	8.23	3	H	214	1.20	-
5510MHz	Pass	PK	5.4652G	63.40	68.20	-4.80	8.29	3	H	214	1.20	-
5510MHz	Pass	PK	5.508G	101.71	Inf	-Inf	8.37	3	H	214	1.20	-
5510MHz	Pass	AV	5.4596G	50.03	54.00	-3.97	8.27	3	V	279	1.37	-
5510MHz	Pass	AV	5.5236G	94.13	Inf	-Inf	8.37	3	V	279	1.37	-
5510MHz	Pass	PK	5.46G	63.95	74.00	-10.05	8.27	3	V	279	1.37	-
5510MHz	Pass	PK	5.4672G	67.35	68.20	-0.85	8.29	3	V	279	1.37	-
5510MHz	Pass	PK	5.5208G	104.35	Inf	-Inf	8.37	3	V	279	1.37	-
5510MHz	Pass	AV	11.02G	45.02	54.00	-8.98	14.54	3	H	233	1.27	-
5510MHz	Pass	PK	11.02G	58.41	74.00	-15.59	14.54	3	H	233	1.27	-
5510MHz	Pass	AV	11.02G	45.07	54.00	-8.93	14.54	3	V	201	1.12	-
5510MHz	Pass	PK	11.02G	58.71	74.00	-15.29	14.54	3	V	201	1.12	-
5550MHz	Pass	AV	5.4528G	48.99	54.00	-5.01	8.26	3	H	214	1.14	-
5550MHz	Pass	AV	5.552G	96.14	Inf	-Inf	8.38	3	H	214	1.14	-
5550MHz	Pass	PK	5.4516G	60.66	74.00	-13.34	8.25	3	H	214	1.14	-
5550MHz	Pass	PK	5.468G	60.71	68.20	-7.49	8.29	3	H	214	1.14	-
5550MHz	Pass	PK	5.5484G	105.92	Inf	-Inf	8.37	3	H	214	1.14	-
5550MHz	Pass	AV	5.4564G	48.97	54.00	-5.03	8.27	3	V	279	1.32	-
5550MHz	Pass	AV	5.566G	97.12	Inf	-Inf	8.38	3	V	279	1.32	-
5550MHz	Pass	PK	5.458G	61.36	74.00	-12.64	8.27	3	V	279	1.32	-
5550MHz	Pass	PK	5.4656G	63.36	68.20	-4.84	8.29	3	V	279	1.32	-
5550MHz	Pass	PK	5.5648G	106.64	Inf	-Inf	8.38	3	V	279	1.32	-
5550MHz	Pass	AV	11.1G	44.30	54.00	-9.70	14.64	3	H	172	1.50	-

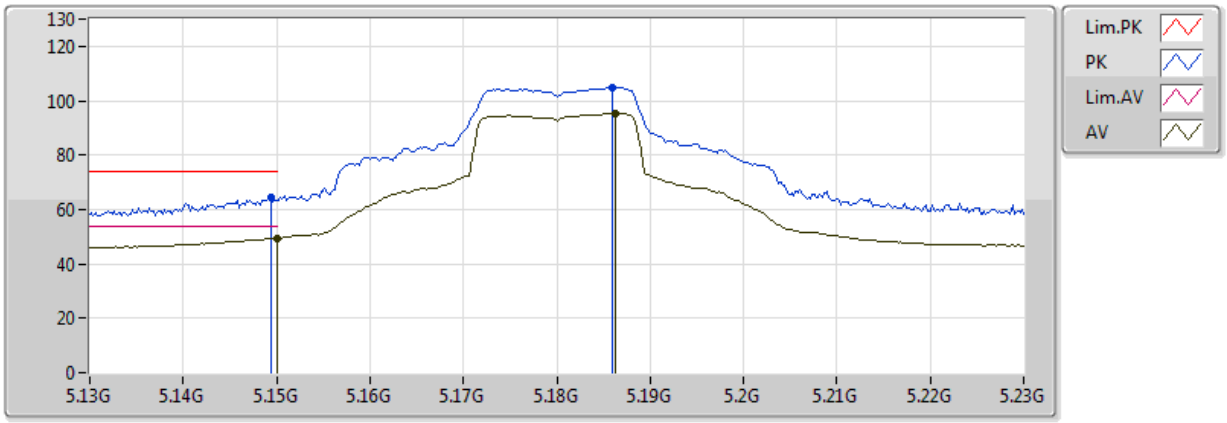
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5550MHz	Pass	PK	11.1G	57.68	74.00	-16.32	14.64	3	H	172	1.50	-
5550MHz	Pass	AV	11.1G	44.34	54.00	-9.66	14.64	3	V	336	1.50	-
5550MHz	Pass	PK	11.1G	58.63	74.00	-15.37	14.64	3	V	336	1.50	-
5670MHz	Pass	AV	5.6716G	96.78	Inf	-Inf	8.39	3	H	347	2.95	-
5670MHz	Pass	PK	5.6684G	106.39	Inf	-Inf	8.39	3	H	347	2.95	-
5670MHz	Pass	PK	5.7252G	65.43	68.20	-2.77	8.41	3	H	347	2.95	-
5670MHz	Pass	AV	5.6684G	98.26	Inf	-Inf	8.39	3	V	304	1.10	-
5670MHz	Pass	PK	5.6684G	107.90	Inf	-Inf	8.39	3	V	304	1.10	-
5670MHz	Pass	PK	5.726G	67.95	68.20	-0.25	8.41	3	V	304	1.10	-
5670MHz	Pass	AV	11.34G	44.59	54.00	-9.41	14.95	3	H	157	2.20	-
5670MHz	Pass	PK	11.34G	58.14	74.00	-15.86	14.95	3	H	157	2.20	-
5670MHz	Pass	AV	11.34G	44.37	54.00	-9.63	14.95	3	V	152	1.30	-
5670MHz	Pass	PK	11.34G	57.60	74.00	-16.40	14.95	3	V	152	1.30	-
5755MHz	Pass	AV	5.7574G	97.65	Inf	-Inf	8.41	3	H	336	2.50	-
5755MHz	Pass	PK	5.5846G	61.97	68.20	-6.23	8.38	3	H	336	2.50	-
5755MHz	Pass	PK	5.7538G	106.85	Inf	-Inf	8.41	3	H	336	2.50	-
5755MHz	Pass	PK	5.9494G	60.37	68.20	-7.83	8.45	3	H	336	2.50	-
5755MHz	Pass	AV	5.7538G	97.66	Inf	-Inf	8.41	3	V	332	1.27	-
5755MHz	Pass	PK	5.4814G	62.11	68.20	-6.09	8.33	3	V	332	1.27	-
5755MHz	Pass	PK	5.7538G	107.26	Inf	-Inf	8.41	3	V	332	1.27	-
5755MHz	Pass	PK	5.9794G	61.52	68.20	-6.68	8.46	3	V	332	1.27	-
5755MHz	Pass	AV	11.51G	45.48	54.00	-8.52	15.17	3	H	279	1.36	-
5755MHz	Pass	PK	11.51G	59.24	74.00	-14.76	15.17	3	H	279	1.36	-
5755MHz	Pass	AV	11.51G	45.90	54.00	-8.10	15.17	3	V	172	3.26	-
5755MHz	Pass	PK	11.51G	59.35	74.00	-14.65	15.17	3	V	172	3.26	-
5795MHz	Pass	AV	5.7974G	99.82	Inf	-Inf	8.42	3	H	314	1.01	-
5795MHz	Pass	PK	5.6486G	62.31	68.20	-5.89	8.39	3	H	314	1.01	-
5795MHz	Pass	PK	5.7974G	109.03	Inf	-Inf	8.42	3	H	314	1.01	-
5795MHz	Pass	PK	5.981G	61.22	68.20	-6.98	8.46	3	H	314	1.01	-
5795MHz	Pass	AV	5.7974G	100.06	Inf	-Inf	8.42	3	V	312	1.01	-
5795MHz	Pass	PK	5.5922G	61.32	68.20	-6.88	8.38	3	V	312	1.01	-
5795MHz	Pass	PK	5.7938G	109.67	Inf	-Inf	8.42	3	V	312	1.01	-
5795MHz	Pass	PK	5.9318G	61.53	68.20	-6.67	8.45	3	V	312	1.01	-
5795MHz	Pass	AV	11.59G	47.11	54.00	-6.89	15.28	3	H	9	2.20	-
5795MHz	Pass	PK	11.59G	59.33	74.00	-14.67	15.28	3	H	9	2.20	-
5795MHz	Pass	AV	11.59G	45.93	54.00	-8.07	15.28	3	V	228	2.05	-
5795MHz	Pass	PK	11.59G	58.91	74.00	-15.09	15.28	3	V	228	2.05	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149995G	51.44	54.00	-2.56	7.46	3	H	321	1.02	-
5210MHz	Pass	AV	5.228G	89.85	Inf	-Inf	7.67	3	H	321	1.02	-
5210MHz	Pass	AV	5.457G	48.97	54.00	-5.03	8.27	3	H	321	1.02	-
5210MHz	Pass	PK	5.149995G	64.17	74.00	-9.83	7.46	3	H	321	1.02	-
5210MHz	Pass	PK	5.229G	99.80	Inf	-Inf	7.67	3	H	321	1.02	-
5210MHz	Pass	PK	5.441G	61.76	74.00	-12.24	8.23	3	H	321	1.02	-
5210MHz	Pass	AV	5.147G	53.22	54.00	-0.78	7.45	3	V	308	2.36	-
5210MHz	Pass	AV	5.228G	91.63	Inf	-Inf	7.67	3	V	308	2.36	-
5210MHz	Pass	AV	5.459G	49.15	54.00	-4.85	8.27	3	V	308	2.36	-
5210MHz	Pass	PK	5.149G	66.25	74.00	-7.75	7.46	3	V	308	2.36	-
5210MHz	Pass	PK	5.229G	101.51	Inf	-Inf	7.67	3	V	308	2.36	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	PK	5.439G	61.42	74.00	-12.58	8.22	3	V	308	2.36	-
5210MHz	Pass	AV	10.42G	43.93	54.00	-10.07	13.49	3	H	170	1.36	-
5210MHz	Pass	PK	10.42G	57.79	74.00	-16.21	13.49	3	H	170	1.36	-
5210MHz	Pass	AV	10.42G	43.94	54.00	-10.06	13.49	3	V	242	1.50	-
5210MHz	Pass	PK	10.42G	57.47	74.00	-16.53	13.49	3	V	242	1.50	-
5290MHz	Pass	AV	5.102G	48.12	54.00	-5.88	7.32	3	H	206	2.66	-
5290MHz	Pass	AV	5.308G	87.65	Inf	-Inf	7.85	3	H	206	2.66	-
5290MHz	Pass	AV	5.350005G	51.48	54.00	-2.52	7.98	3	H	206	2.66	-
5290MHz	Pass	PK	5.115G	60.81	74.00	-13.19	7.36	3	H	206	2.66	-
5290MHz	Pass	PK	5.309G	97.60	Inf	-Inf	7.86	3	H	206	2.66	-
5290MHz	Pass	PK	5.465G	61.45	68.20	-6.75	8.29	3	H	206	2.66	-
5290MHz	Pass	AV	5.084G	47.93	54.00	-6.07	7.27	3	V	261	2.25	-
5290MHz	Pass	AV	5.308G	85.22	Inf	-Inf	7.85	3	V	261	2.25	-
5290MHz	Pass	AV	5.353G	53.70	54.00	-0.30	7.99	3	V	261	2.25	-
5290MHz	Pass	PK	5.145G	61.25	74.00	-12.75	7.45	3	V	261	2.25	-
5290MHz	Pass	PK	5.309G	95.42	Inf	-Inf	7.86	3	V	261	2.25	-
5290MHz	Pass	PK	5.353G	70.47	74.00	-3.53	7.99	3	V	261	2.25	-
5290MHz	Pass	AV	10.58G	44.15	54.00	-9.85	13.77	3	H	166	1.68	-
5290MHz	Pass	PK	10.58G	56.95	74.00	-17.05	13.77	3	H	166	1.68	-
5290MHz	Pass	AV	10.58G	43.60	54.00	-10.40	13.77	3	V	218	1.44	-
5290MHz	Pass	PK	10.58G	57.22	74.00	-16.78	13.77	3	V	218	1.44	-
5530MHz	Pass	AV	5.46G	52.68	54.00	-1.32	8.27	3	H	348	2.40	-
5530MHz	Pass	AV	5.548G	92.44	Inf	-Inf	8.37	3	H	348	2.40	-
5530MHz	Pass	PK	5.346G	60.93	68.20	-7.27	7.97	3	H	348	2.40	-
5530MHz	Pass	PK	5.460005G	65.49	68.20	-2.71	8.27	3	H	348	2.40	-
5530MHz	Pass	PK	5.549G	102.42	Inf	-Inf	8.37	3	H	348	2.40	-
5530MHz	Pass	PK	5.745G	61.50	68.20	-6.70	8.41	3	H	348	2.40	-
5530MHz	Pass	AV	5.46G	52.61	54.00	-1.39	8.27	3	V	15	2.22	-
5530MHz	Pass	AV	5.548G	93.16	Inf	-Inf	8.37	3	V	15	2.22	-
5530MHz	Pass	PK	5.33G	60.80	68.20	-7.40	7.92	3	V	15	2.22	-
5530MHz	Pass	PK	5.469G	67.83	68.20	-0.37	8.30	3	V	15	2.22	-
5530MHz	Pass	PK	5.549G	102.97	Inf	-Inf	8.37	3	V	15	2.22	-
5530MHz	Pass	PK	5.738G	60.55	68.20	-7.65	8.41	3	V	15	2.22	-
5530MHz	Pass	AV	11.06G	45.10	54.00	-8.90	14.59	3	H	235	1.04	-
5530MHz	Pass	PK	11.06G	57.59	74.00	-16.41	14.59	3	H	235	1.04	-
5530MHz	Pass	AV	11.06G	44.40	54.00	-9.60	14.59	3	V	160	1.50	-
5530MHz	Pass	PK	11.06G	57.98	74.00	-16.02	14.59	3	V	160	1.50	-
5610MHz	Pass	AV	5.458G	49.62	54.00	-4.38	8.27	3	H	347	2.60	-
5610MHz	Pass	AV	5.628G	96.04	Inf	-Inf	8.39	3	H	347	2.60	-
5610MHz	Pass	PK	5.458G	63.15	74.00	-10.85	8.27	3	H	347	2.60	-
5610MHz	Pass	PK	5.467G	63.12	68.20	-5.08	8.29	3	H	347	2.60	-
5610MHz	Pass	PK	5.628G	106.11	Inf	-Inf	8.39	3	H	347	2.60	-
5610MHz	Pass	PK	5.726G	67.78	68.20	-0.42	8.41	3	H	347	2.60	-
5610MHz	Pass	AV	5.457G	49.43	54.00	-4.57	8.27	3	V	278	1.24	-
5610MHz	Pass	AV	5.628G	96.77	Inf	-Inf	8.39	3	V	278	1.24	-
5610MHz	Pass	PK	5.458G	62.00	74.00	-12.00	8.27	3	V	278	1.24	-
5610MHz	Pass	PK	5.461G	61.52	68.20	-6.68	8.28	3	V	278	1.24	-
5610MHz	Pass	PK	5.629G	106.77	Inf	-Inf	8.39	3	V	278	1.24	-
5610MHz	Pass	PK	5.727G	66.87	68.20	-1.33	8.41	3	V	278	1.24	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5610MHz	Pass	AV	11.22G	44.25	54.00	-9.75	14.80	3	H	6	1.50	-
5610MHz	Pass	PK	11.22G	57.37	74.00	-16.63	14.80	3	H	6	1.50	-
5610MHz	Pass	AV	11.22G	43.72	54.00	-10.28	14.80	3	V	139	1.50	-
5610MHz	Pass	PK	11.22G	57.43	74.00	-16.57	14.80	3	V	139	1.50	-
5775MHz	Pass	AV	5.793G	95.03	Inf	-Inf	8.42	3	H	346	3.46	-
5775MHz	Pass	PK	5.6478G	65.02	68.20	-3.18	8.39	3	H	346	3.46	-
5775MHz	Pass	PK	5.793G	104.58	Inf	-Inf	8.42	3	H	346	3.46	-
5775MHz	Pass	PK	5.9262G	62.31	68.20	-5.89	8.45	3	H	346	3.46	-
5775MHz	Pass	AV	5.757G	94.60	Inf	-Inf	8.41	3	V	329	1.27	-
5775MHz	Pass	PK	5.6502G	61.61	68.35	-6.73	8.39	3	V	329	1.27	-
5775MHz	Pass	PK	5.757G	104.34	Inf	-Inf	8.41	3	V	329	1.27	-
5775MHz	Pass	PK	5.9502G	62.69	68.20	-5.51	8.45	3	V	329	1.27	-
5775MHz	Pass	AV	11.55G	46.31	54.00	-7.69	15.22	3	H	15	2.22	-
5775MHz	Pass	PK	11.55G	59.56	74.00	-14.44	15.22	3	H	15	2.22	-
5775MHz	Pass	AV	11.55G	45.45	54.00	-8.55	15.22	3	V	233	2.02	-
5775MHz	Pass	PK	11.55G	58.63	74.00	-15.37	15.22	3	V	233	2.02	-

802.11a_(6Mbps)_1TX

5180MHz_TX

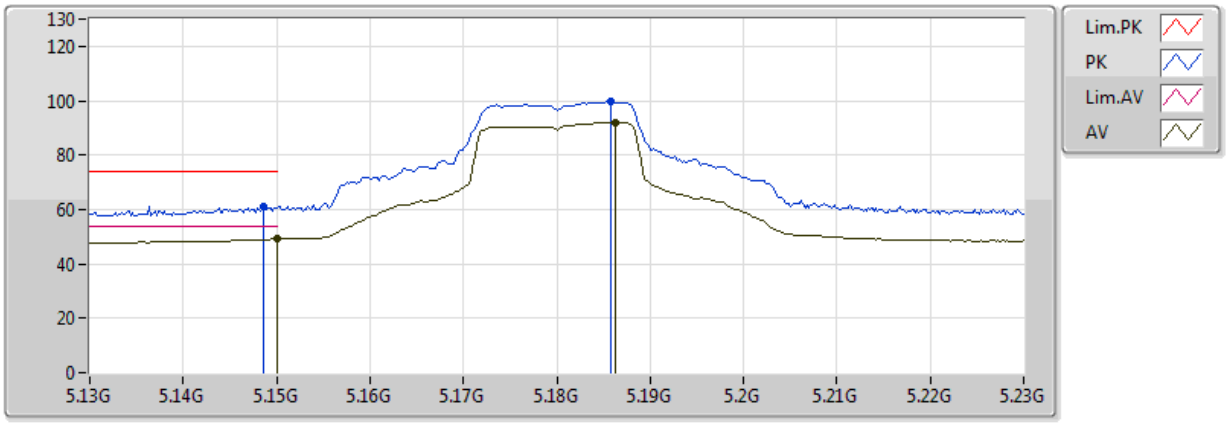


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	49.27	54.00	-4.73	7.25	3	V	348	1.34	-
AV	5.1862G	95.37	Inf	-Inf	7.33	3	V	348	1.34	-
PK	5.1494G	64.53	74.00	-9.47	7.25	3	V	348	1.34	-
PK	5.186G	104.75	Inf	-Inf	7.33	3	V	348	1.34	-

802.11a_(6Mbps)_1TX

5180MHz_TX

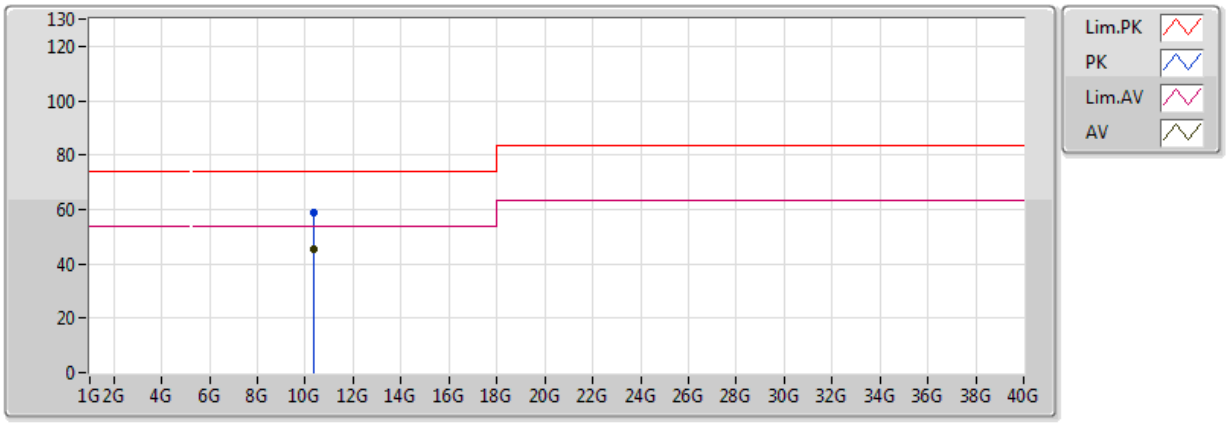


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	49.09	54.00	-4.91	7.25	3	H	213	1.15	-
AV	5.1862G	92.05	Inf	-Inf	7.33	3	H	213	1.15	-
PK	5.1486G	61.16	74.00	-12.84	7.25	3	H	213	1.15	-
PK	5.1858G	99.64	Inf	-Inf	7.33	3	H	213	1.15	-

802.11a_(6Mbps)_1TX

5180MHz_TX

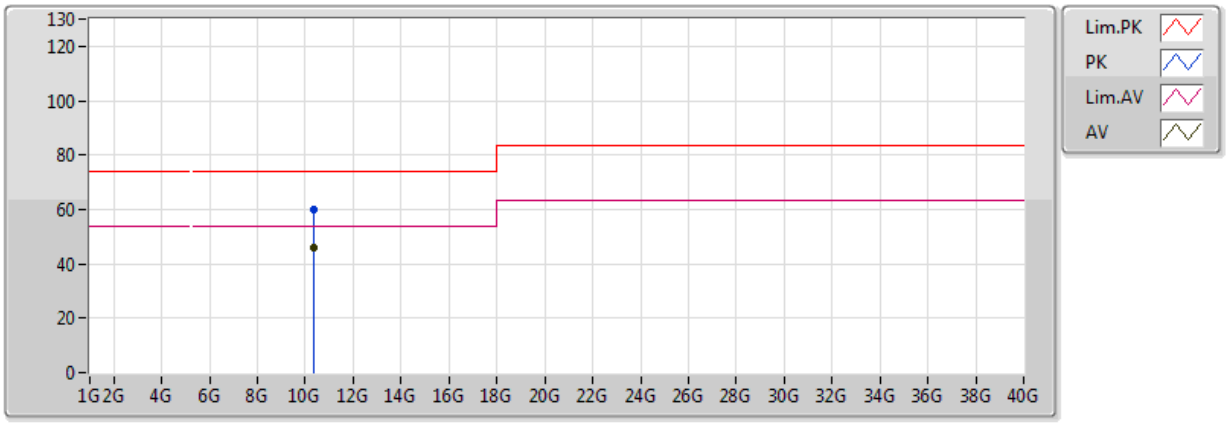


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	45.14	54.00	-8.86	14.13	3	V	131	1.50	-
PK	10.36G	58.70	74.00	-15.30	14.13	3	V	131	1.50	-

802.11a_(6Mbps)_1TX

5180MHz_TX

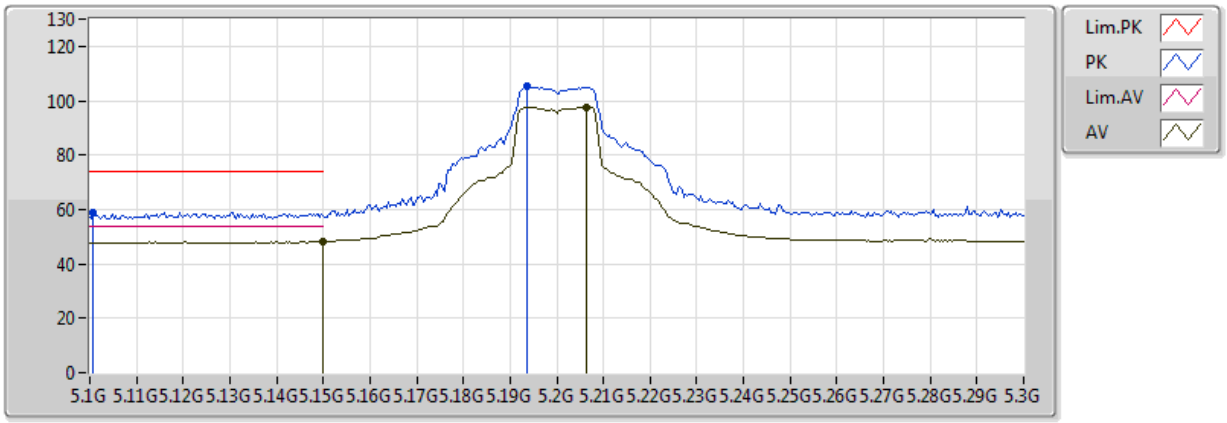


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	46.05	54.00	-7.95	14.13	3	H	344	1.81	-
PK	10.36G	59.82	74.00	-14.18	14.13	3	H	344	1.81	-

802.11a_(6Mbps)_1TX

5200MHz_TX

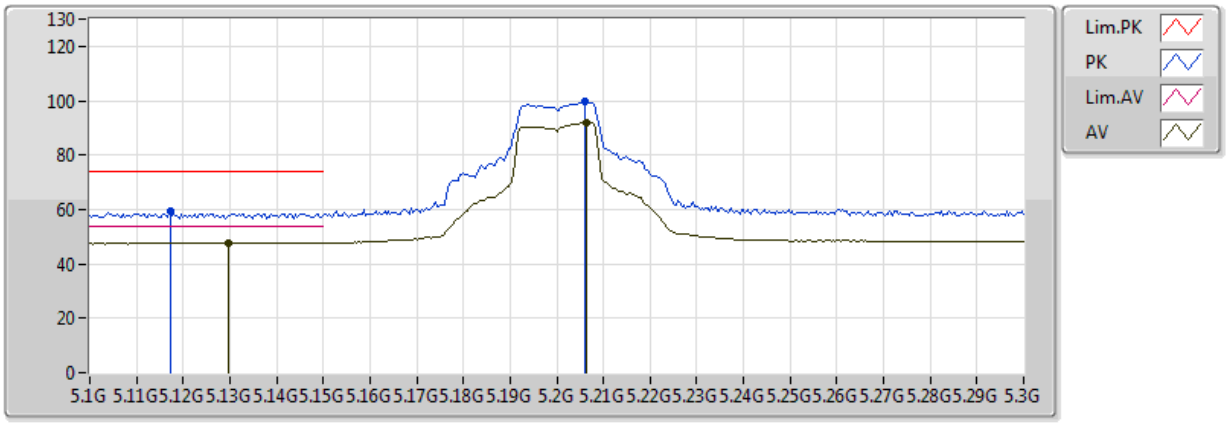


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	48.23	54.00	-5.77	7.25	3	V	348	1.53	-
AV	5.2064G	97.56	Inf	-Inf	7.37	3	V	348	1.53	-
PK	5.1008G	58.89	74.00	-15.11	7.14	3	V	348	1.53	-
PK	5.1936G	105.10	Inf	-Inf	7.35	3	V	348	1.53	-

802.11a_(6Mbps)_1TX

5200MHz_TX

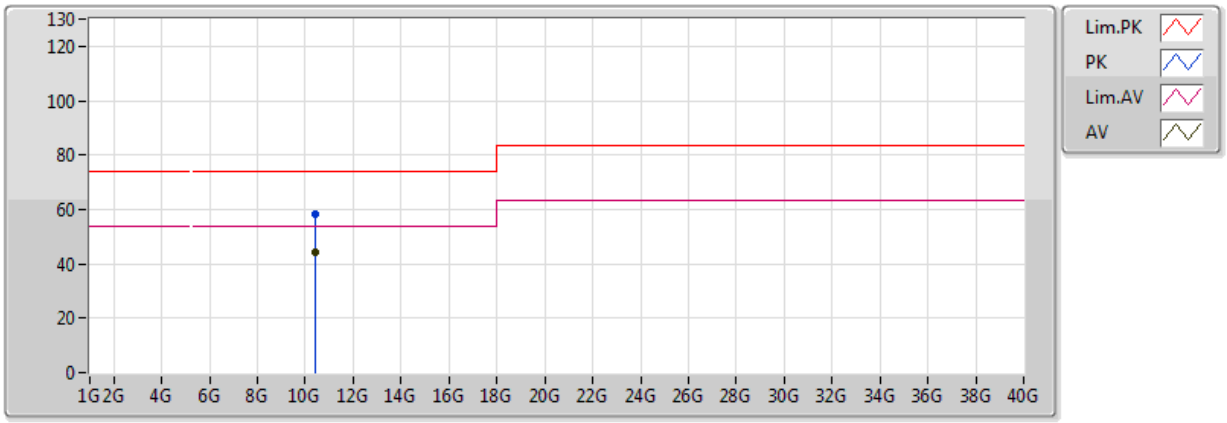


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1296G	47.88	54.00	-6.12	7.21	3	H	35	1.50	-
AV	5.2064G	91.92	Inf	-Inf	7.37	3	H	35	1.50	-
PK	5.1172G	59.31	74.00	-14.69	7.18	3	H	35	1.50	-
PK	5.206G	99.54	Inf	-Inf	7.37	3	H	35	1.50	-

802.11a_(6Mbps)_1TX

5200MHz_TX

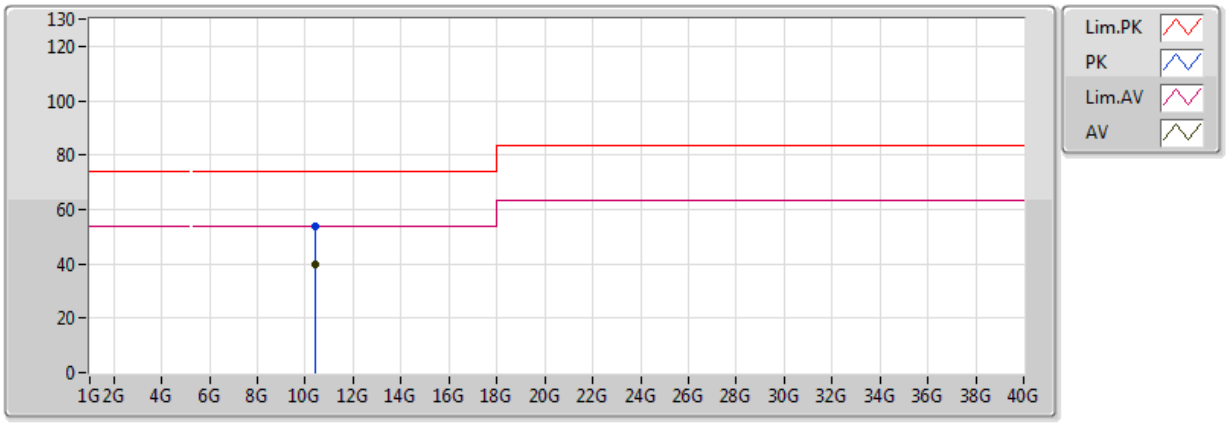


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	44.34	54.00	-9.66	13.86	3	V	352	3.18	-
PK	10.4G	58.08	74.00	-15.92	13.86	3	V	352	3.18	-

802.11a_(6Mbps)_1TX

5200MHz_TX

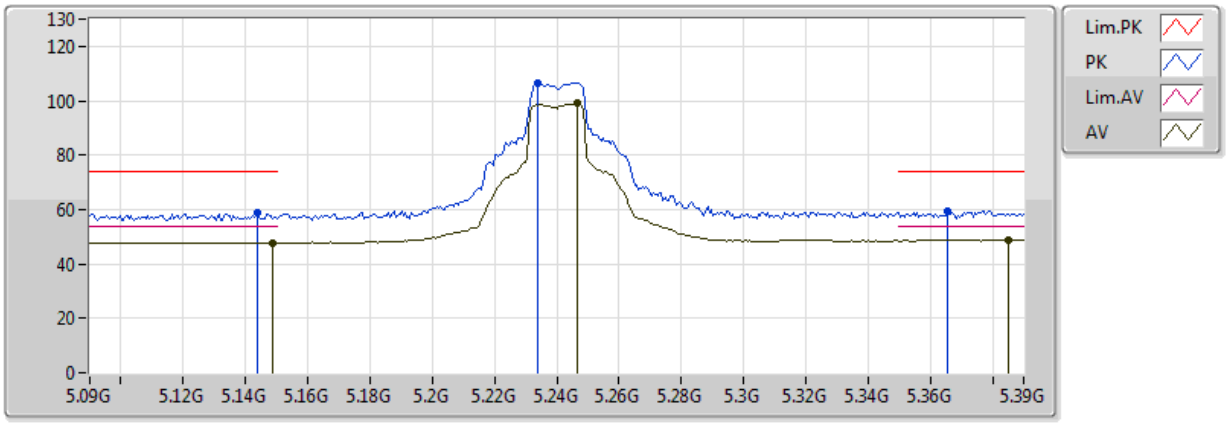


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	40.00	54.00	-14.00	13.86	3	H	241	1.50	-
PK	10.4G	53.73	74.00	-20.27	13.86	3	H	241	1.50	-

802.11a_(6Mbps)_1TX

5240MHz_TX

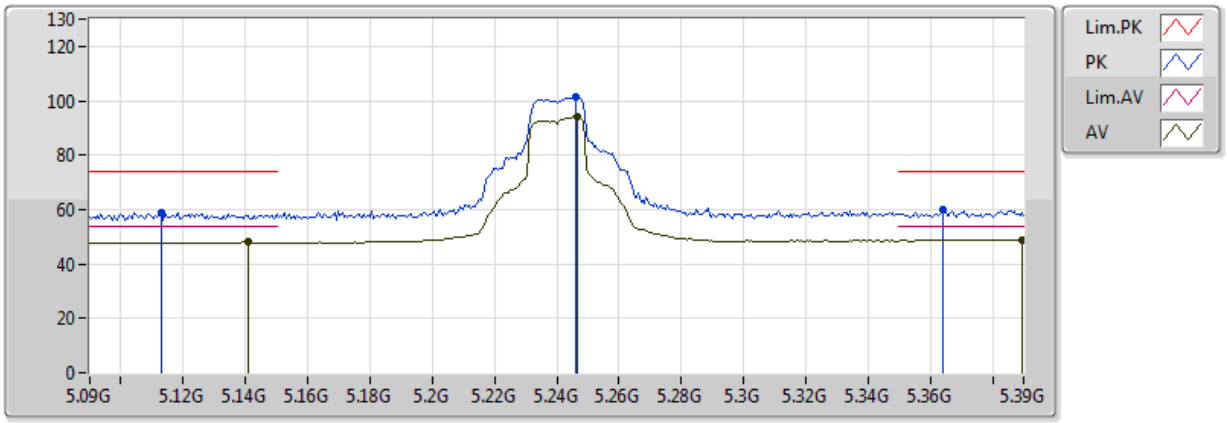


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1488G	47.75	54.00	-6.25	7.25	3	V	347	1.35	-
AV	5.2466G	98.94	Inf	-Inf	7.46	3	V	347	1.35	-
AV	5.3852G	48.96	54.00	-5.04	7.77	3	V	347	1.35	-
PK	5.144G	58.85	74.00	-15.15	7.24	3	V	347	1.35	-
PK	5.234G	106.39	Inf	-Inf	7.43	3	V	347	1.35	-
PK	5.3654G	59.37	74.00	-14.63	7.72	3	V	347	1.35	-

802.11a_(6Mbps)_1TX

5240MHz_TX

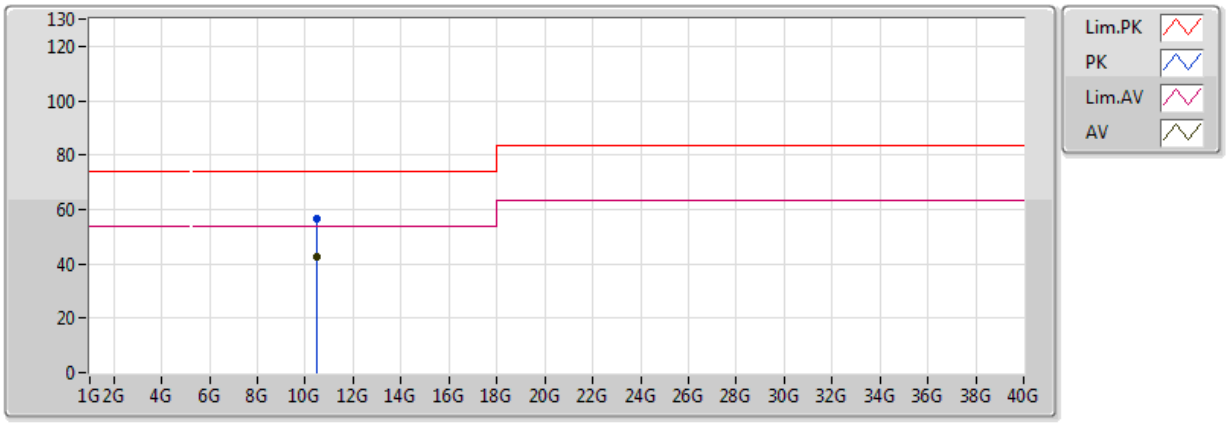


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.141G	47.94	54.00	-6.06	7.23	3	H	25	1.02	-
AV	5.2466G	94.02	Inf	-Inf	7.46	3	H	25	1.02	-
AV	5.3894G	48.96	54.00	-5.04	7.78	3	H	25	1.02	-
PK	5.1128G	59.11	74.00	-14.89	7.17	3	H	25	1.02	-
PK	5.246G	101.55	Inf	-Inf	7.46	3	H	25	1.02	-
PK	5.3642G	59.68	74.00	-14.32	7.72	3	H	25	1.02	-

802.11a_(6Mbps)_1TX

5240MHz_TX

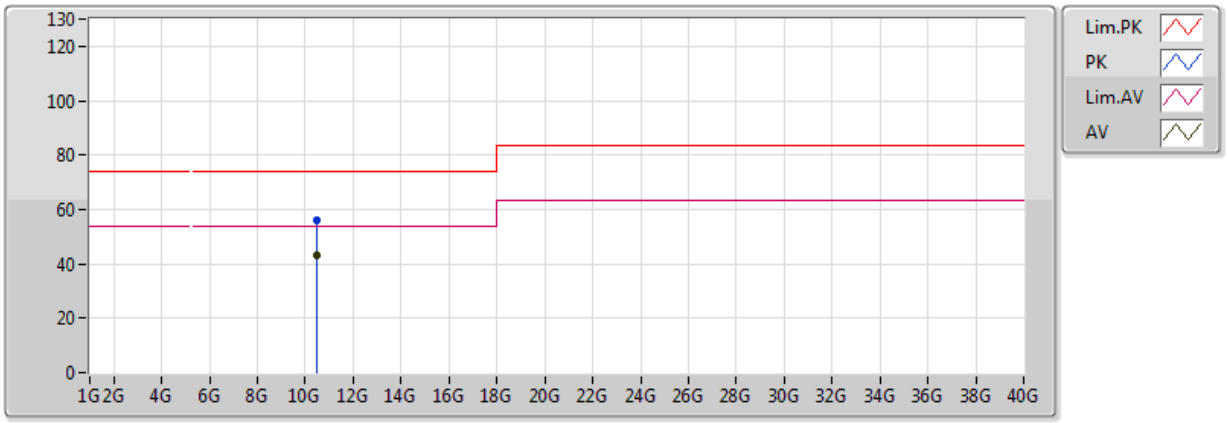


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	42.61	54.00	-11.39	12.60	3	V	203	1.50	-
PK	10.48G	56.68	74.00	-17.32	12.60	3	V	203	1.50	-

802.11a_(6Mbps)_1TX

5240MHz_TX

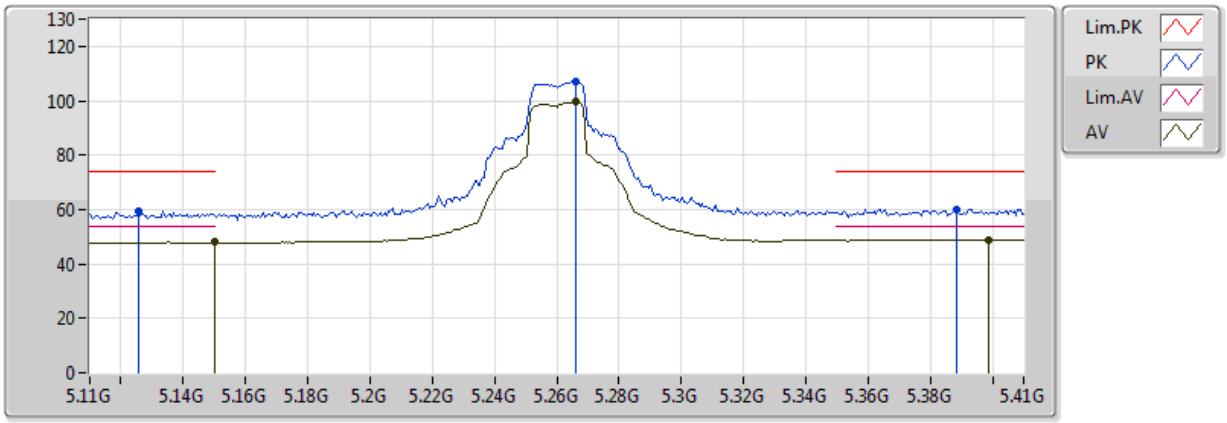


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	42.98	54.00	-11.02	12.60	3	H	360	1.50	-
PK	10.48G	56.02	74.00	-17.98	12.60	3	H	360	1.50	-

802.11a_(6Mbps)_1TX

5260MHz_TX

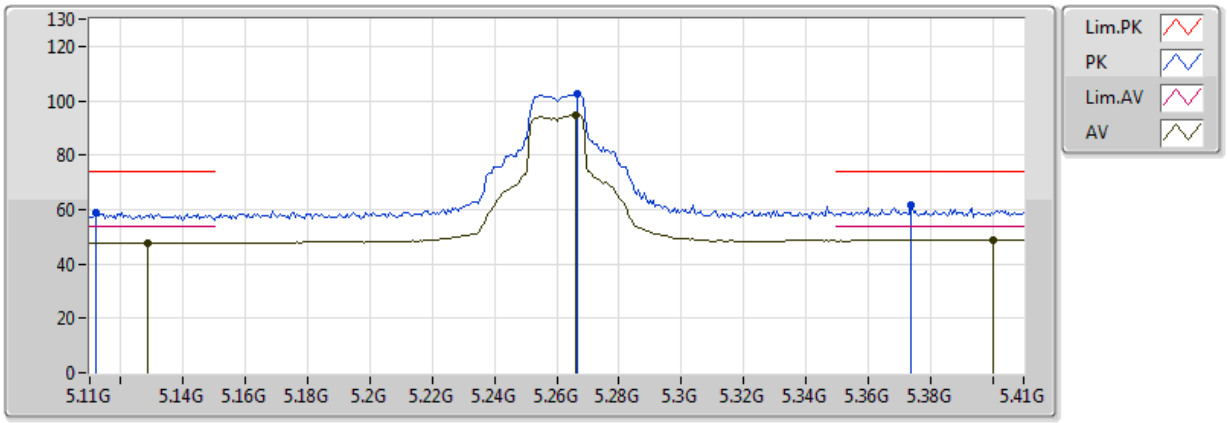


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	48.00	54.00	-6.00	7.25	3	V	348	1.60	-
AV	5.266G	99.60	Inf	-Inf	7.51	3	V	348	1.60	-
AV	5.3986G	48.98	54.00	-5.02	7.80	3	V	348	1.60	-
PK	5.1256G	59.48	74.00	-14.52	7.20	3	V	348	1.60	-
PK	5.266G	107.00	Inf	-Inf	7.51	3	V	348	1.60	-
PK	5.3884G	60.10	74.00	-13.90	7.77	3	V	348	1.60	-

802.11a_(6Mbps)_1TX

5260MHz_TX

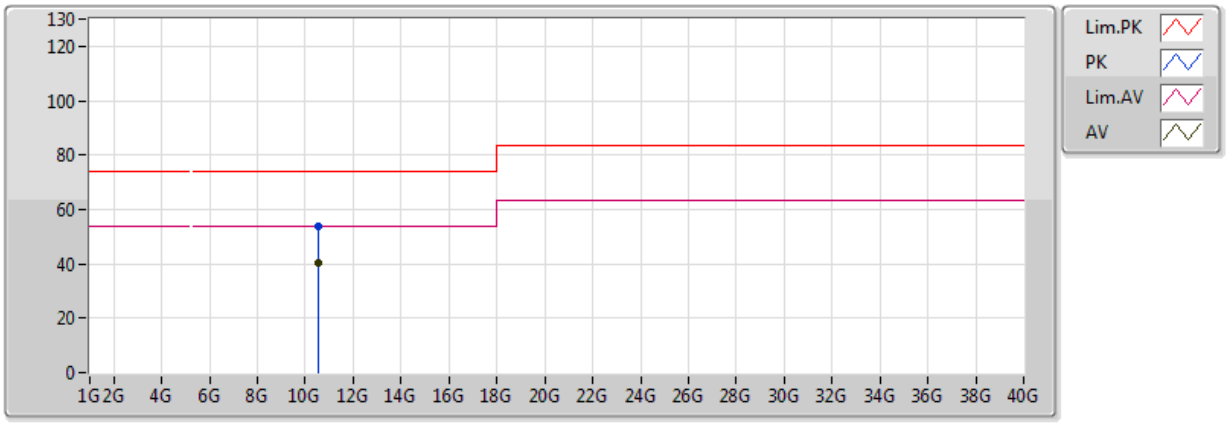


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1286G	47.87	54.00	-6.13	7.20	3	H	34	3.61	-
AV	5.266G	94.77	Inf	-Inf	7.51	3	H	34	3.61	-
AV	5.4004G	48.98	54.00	-5.02	7.80	3	H	34	3.61	-
PK	5.1118G	59.10	74.00	-14.90	7.17	3	H	34	3.61	-
PK	5.2666G	102.38	Inf	-Inf	7.51	3	H	34	3.61	-
PK	5.374G	61.44	74.00	-12.56	7.74	3	H	34	3.61	-

802.11a_(6Mbps)_1TX

5260MHz_TX

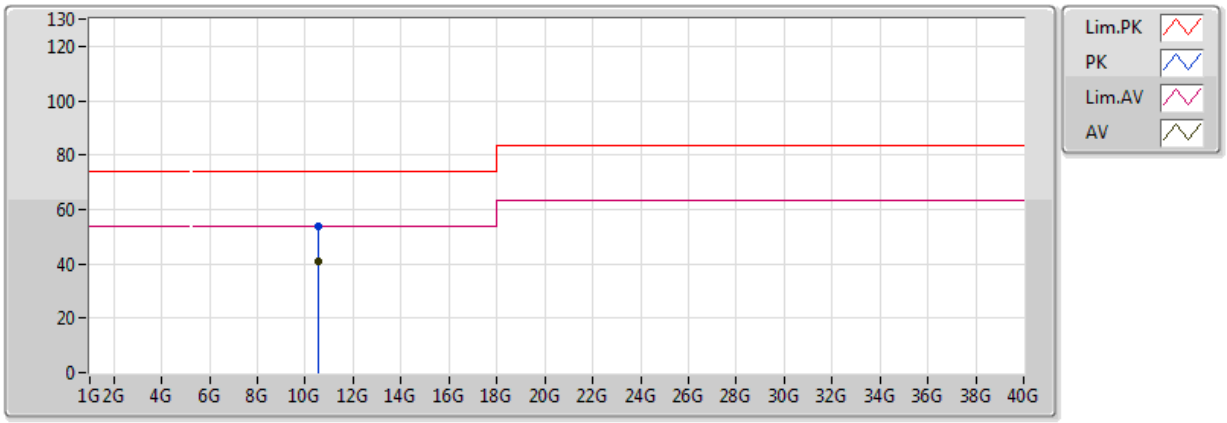


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.52G	40.19	54.00	-13.81	12.69	3	V	277	1.50	-
PK	10.52G	53.70	74.00	-20.30	12.69	3	V	277	1.50	-

802.11a_(6Mbps)_1TX

5260MHz_TX

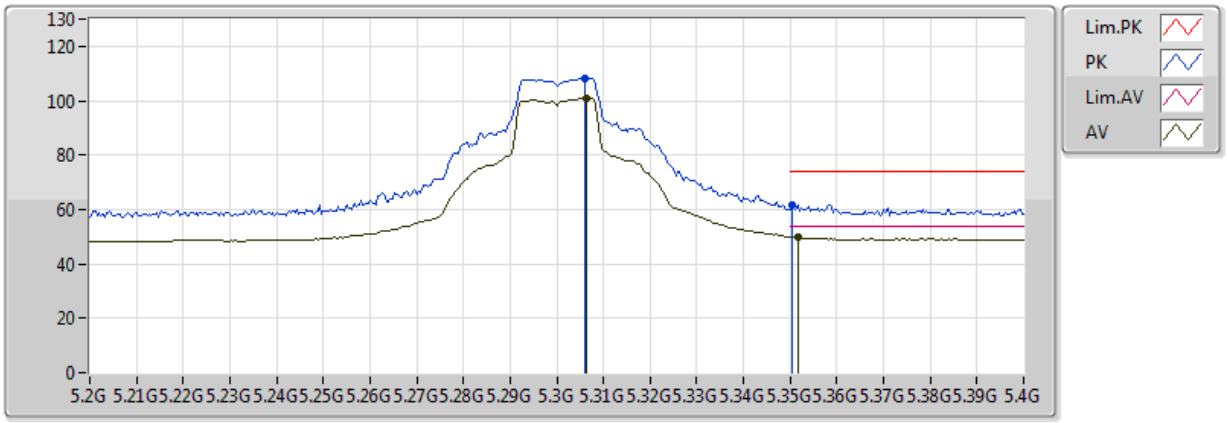


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.52G	40.65	54.00	-13.35	12.69	3	H	145	1.50	-
PK	10.52G	53.71	74.00	-20.29	12.69	3	H	145	1.50	-

802.11a_(6Mbps)_1TX

5300MHz_TX

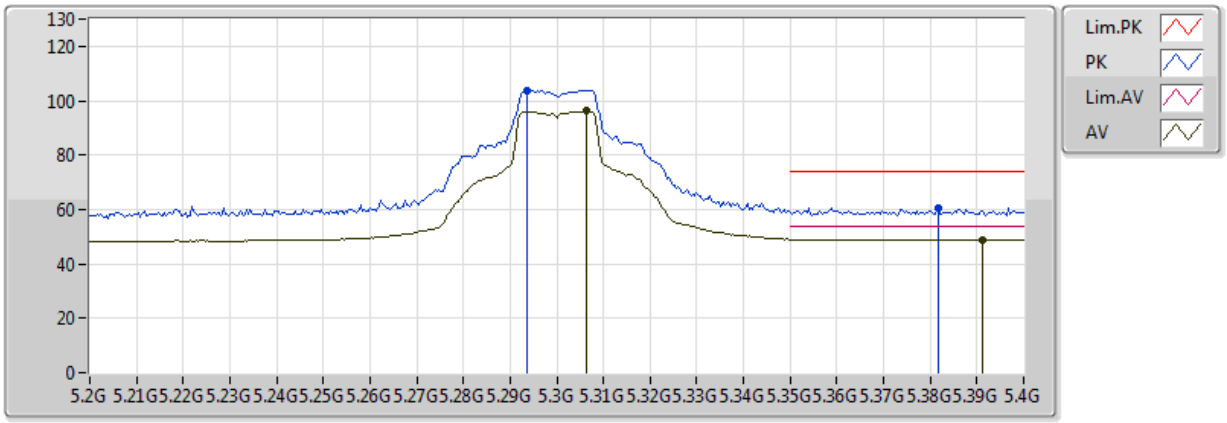


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3064G	100.93	Inf	-Inf	7.59	3	V	346	1.58	-
AV	5.3516G	49.77	54.00	-4.23	7.69	3	V	346	1.58	-
PK	5.306G	108.23	Inf	-Inf	7.59	3	V	346	1.58	-
PK	5.3504G	61.48	74.00	-12.52	7.69	3	V	346	1.58	-

802.11a_(6Mbps)_1TX

5300MHz_TX

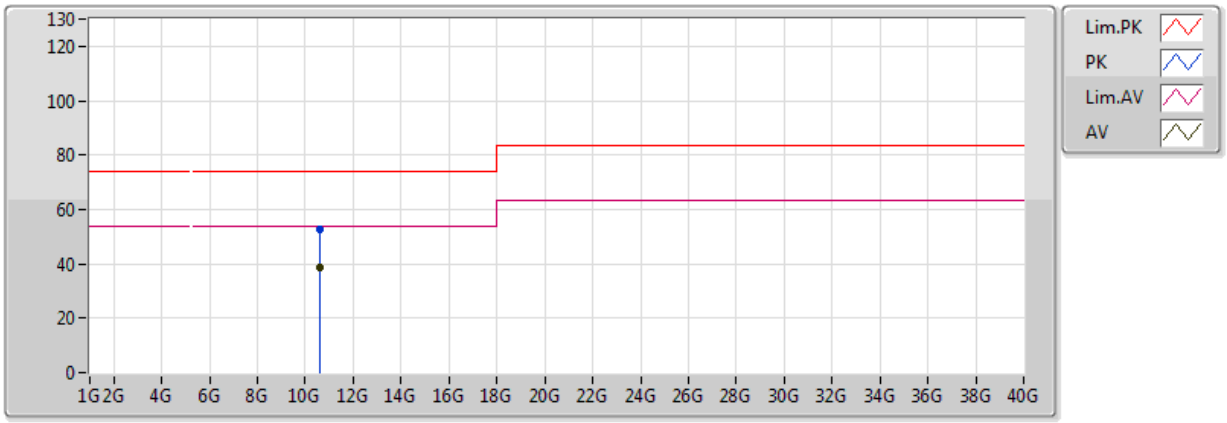


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3064G	96.16	Inf	-Inf	7.59	3	H	33	3.58	-
AV	5.3912G	48.97	54.00	-5.03	7.78	3	H	33	3.58	-
PK	5.2936G	103.81	Inf	-Inf	7.57	3	H	33	3.58	-
PK	5.3816G	60.78	74.00	-13.22	7.76	3	H	33	3.58	-

802.11a_(6Mbps)_1TX

5300MHz_TX

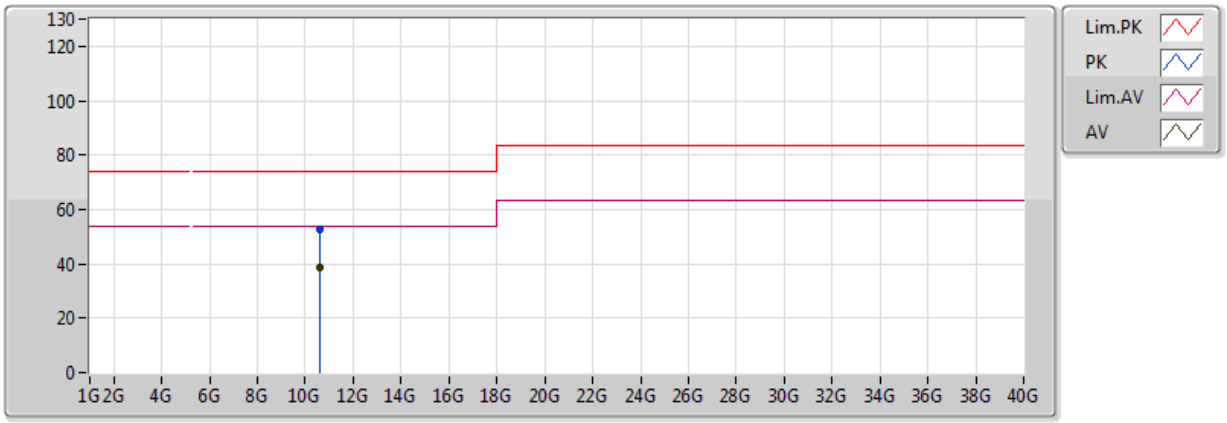


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.6G	38.81	54.00	-15.19	12.89	3	V	171	1.50	-
PK	10.6G	52.57	74.00	-21.43	12.89	3	V	171	1.50	-

802.11a_(6Mbps)_1TX

5300MHz_TX

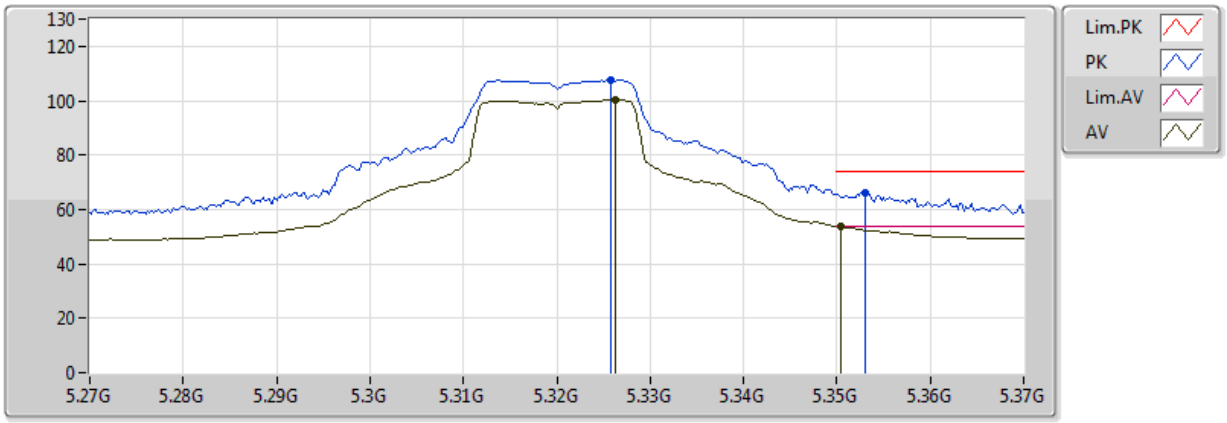


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.6G	38.63	54.00	-15.37	12.89	3	H	139	1.50	-
PK	10.6G	52.78	74.00	-21.22	12.89	3	H	139	1.50	-

802.11a_(6Mbps)_1TX

5320MHz_TX

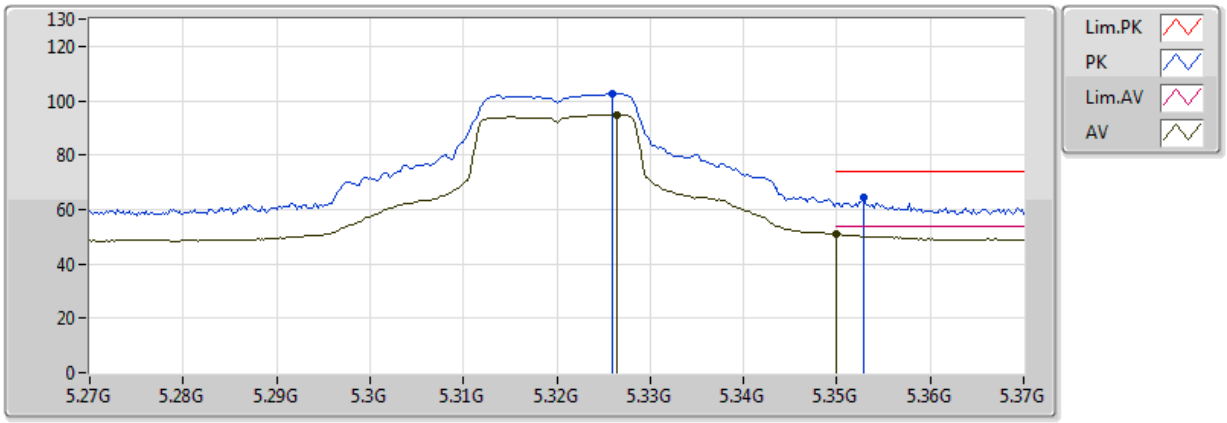


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3262G	100.24	Inf	-Inf	7.64	3	V	349	1.35	-
AV	5.3504G	53.68	54.00	-0.32	7.69	3	V	349	1.35	-
PK	5.3258G	107.65	Inf	-Inf	7.64	3	V	349	1.35	-
PK	5.353G	66.24	74.00	-7.76	7.70	3	V	349	1.35	-

802.11a_(6Mbps)_1TX

5320MHz_TX

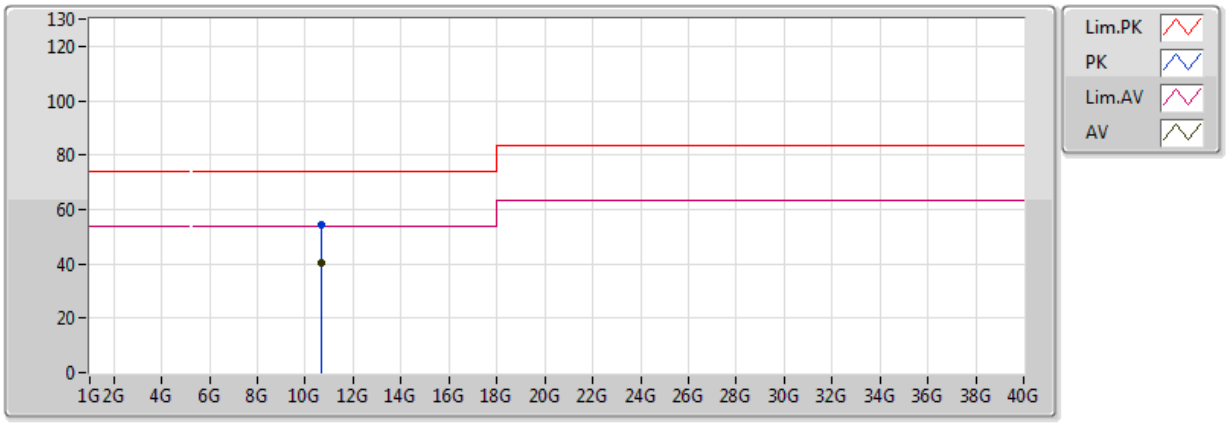


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3264G	94.96	Inf	-Inf	7.64	3	H	32	3.49	-
AV	5.350005G	50.91	54.00	-3.09	7.69	3	H	32	3.49	-
PK	5.326G	102.51	Inf	-Inf	7.64	3	H	32	3.49	-
PK	5.3528G	64.54	74.00	-9.46	7.70	3	H	32	3.49	-

802.11a_(6Mbps)_1TX

5320MHz_TX

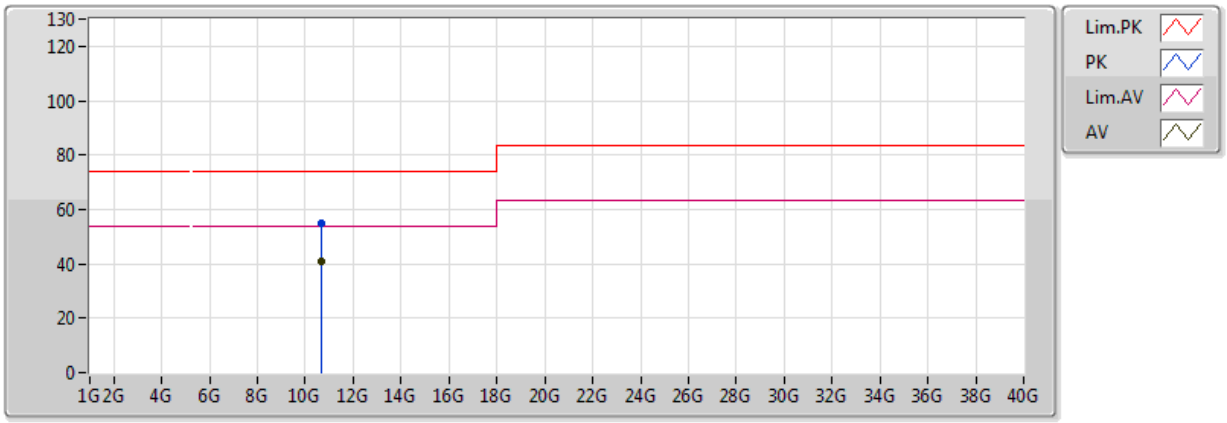


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.64G	40.52	54.00	-13.48	12.99	3	V	0	1.50	-
PK	10.64G	54.61	74.00	-19.39	12.99	3	V	0	1.50	-

802.11a_(6Mbps)_1TX

5320MHz_TX

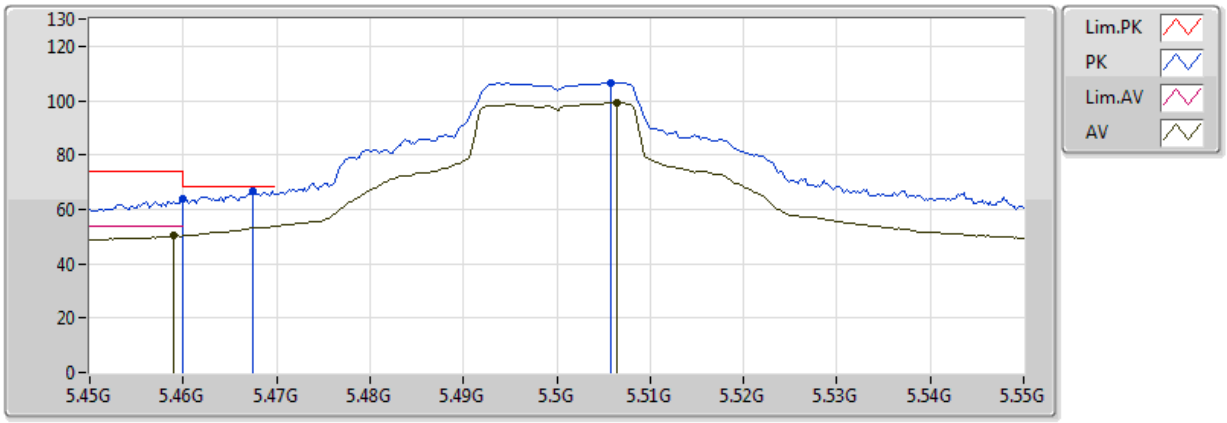


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.64G	40.63	54.00	-13.37	12.99	3	H	161	1.50	-
PK	10.64G	54.81	74.00	-19.19	12.99	3	H	161	1.50	-

802.11a_(6Mbps)_1TX

5500MHz_TX

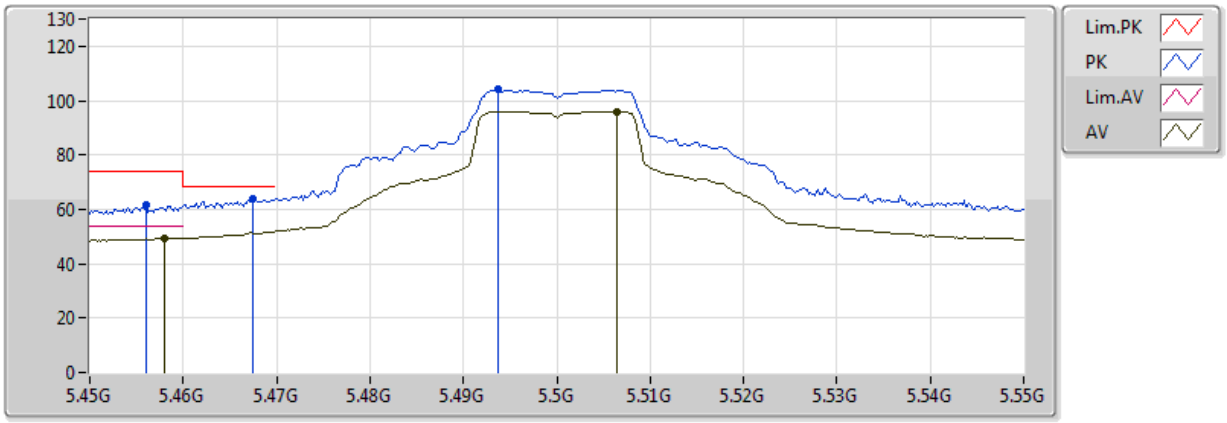


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.459G	50.24	54.00	-3.76	7.93	3	V	346	1.50	-
AV	5.5064G	99.09	Inf	-Inf	8.03	3	V	346	1.50	-
PK	5.46G	63.69	74.00	-10.31	7.93	3	V	346	1.50	-
PK	5.4674G	66.50	68.20	-1.70	7.95	3	V	346	1.50	-
PK	5.5058G	106.63	Inf	-Inf	8.03	3	V	346	1.50	-

802.11a_(6Mbps)_1TX

5500MHz_TX

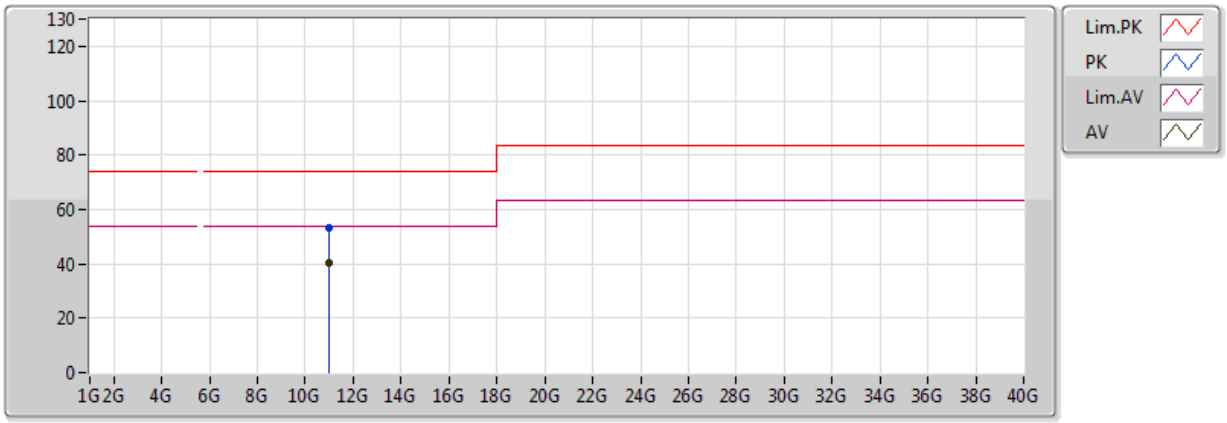


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.458G	49.25	54.00	-4.75	7.93	3	H	62	1.04	-
AV	5.5064G	96.09	Inf	-Inf	8.03	3	H	62	1.04	-
PK	5.456G	61.64	74.00	-12.36	7.92	3	H	62	1.04	-
PK	5.4674G	63.97	68.20	-4.23	7.95	3	H	62	1.04	-
PK	5.4938G	103.98	Inf	-Inf	8.01	3	H	62	1.04	-

802.11a_(6Mbps)_1TX

5500MHz_TX

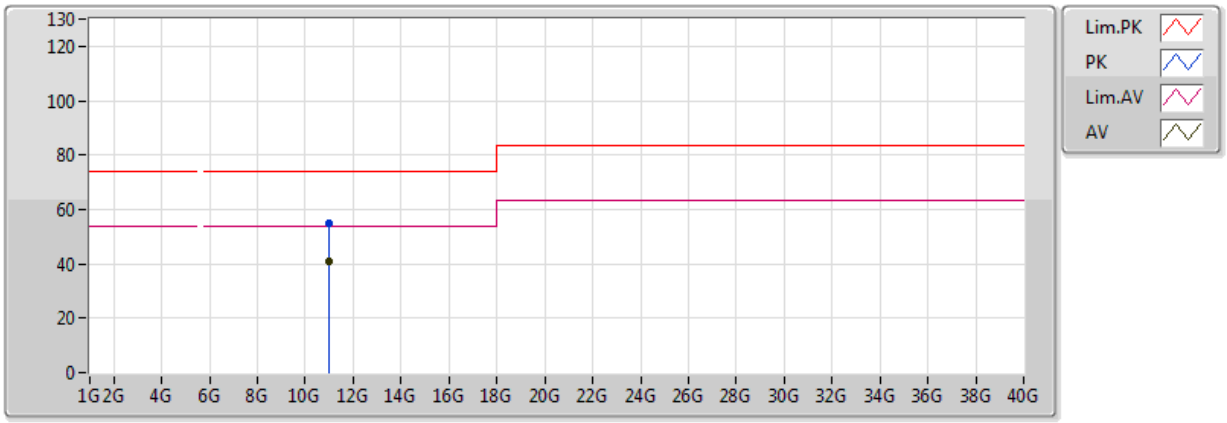


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11G	40.62	54.00	-13.38	13.88	3	V	147	1.50	-
PK	11G	53.46	74.00	-20.54	13.88	3	V	147	1.50	-

802.11a_(6Mbps)_1TX

5500MHz_TX

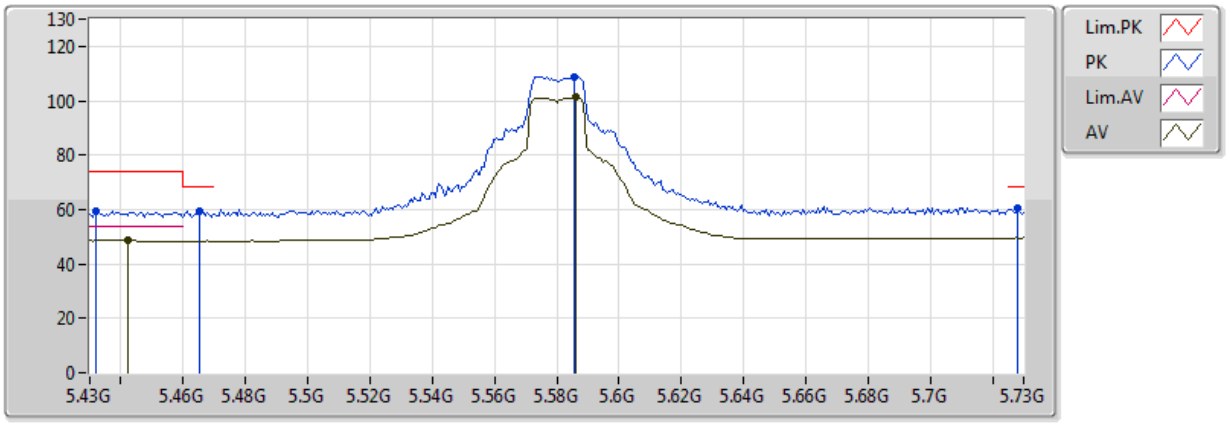


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11G	40.65	54.00	-13.35	13.88	3	H	237	1.50	-
PK	11G	55.00	74.00	-19.00	13.88	3	H	237	1.50	-

802.11a_(6Mbps)_1TX

5580MHz_TX

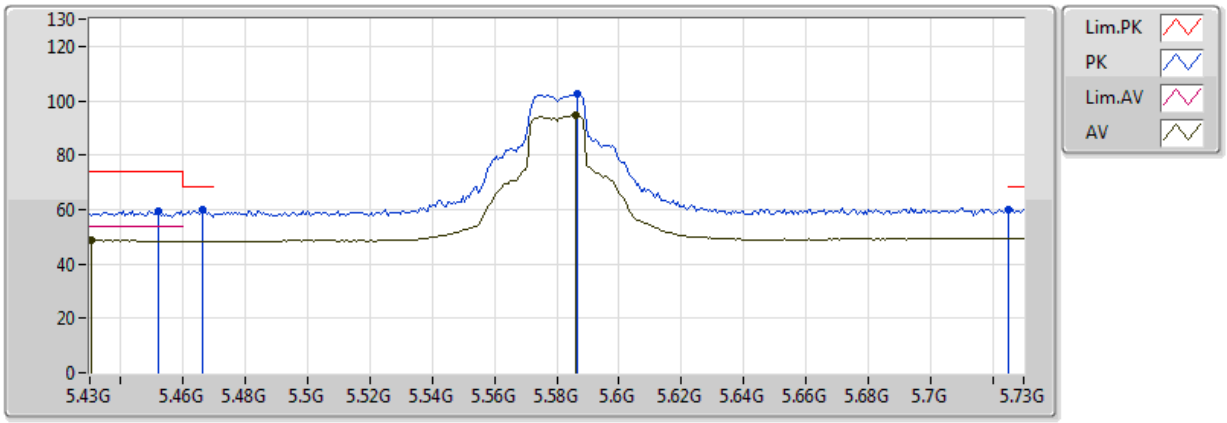


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.442G	48.73	54.00	-5.27	7.89	3	V	345	1.48	-
AV	5.586G	101.21	Inf	-Inf	8.16	3	V	345	1.48	-
PK	5.4318G	59.33	74.00	-14.67	7.87	3	V	345	1.48	-
PK	5.4654G	59.32	68.20	-8.88	7.94	3	V	345	1.48	-
PK	5.5854G	108.79	Inf	-Inf	8.16	3	V	345	1.48	-
PK	5.7282G	60.30	68.20	-7.90	8.39	3	V	345	1.48	-

802.11a_(6Mbps)_1TX

5580MHz_TX

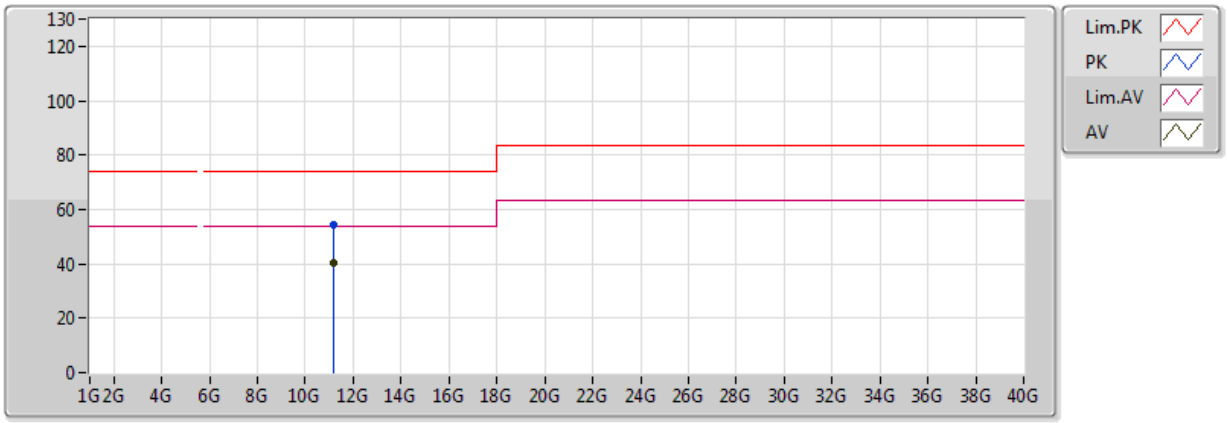


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4306G	48.64	54.00	-5.36	7.87	3	H	20	1.50	-
AV	5.586G	94.69	Inf	-Inf	8.16	3	H	20	1.50	-
PK	5.4522G	59.66	74.00	-14.34	7.91	3	H	20	1.50	-
PK	5.466G	60.17	68.20	-8.03	7.95	3	H	20	1.50	-
PK	5.5866G	102.31	Inf	-Inf	8.16	3	H	20	1.50	-
PK	5.7252G	59.89	68.20	-8.31	8.38	3	H	20	1.50	-

802.11a_(6Mbps)_1TX

5580MHz_TX

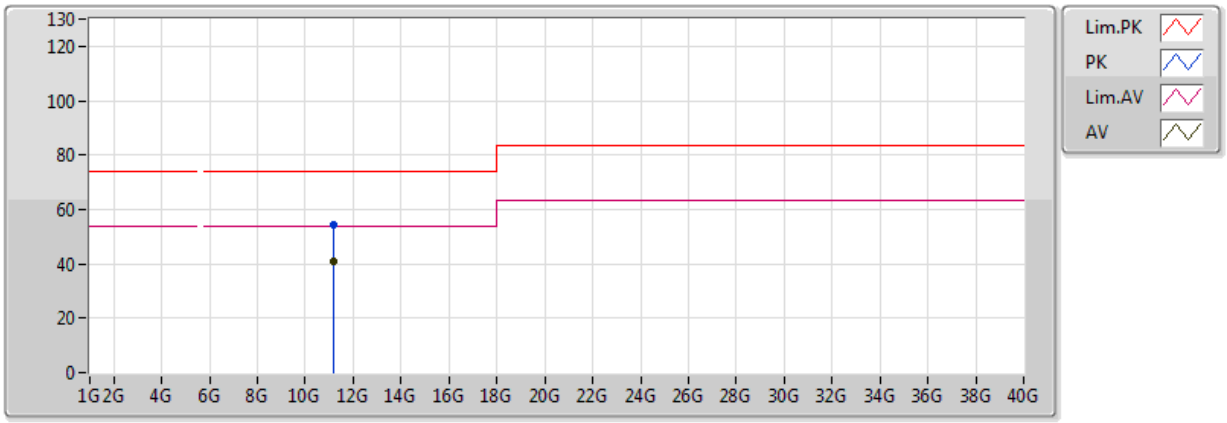


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16G	40.59	54.00	-13.41	13.68	3	V	122	1.50	-
PK	11.16G	54.24	74.00	-19.76	13.68	3	V	122	1.50	-

802.11a_(6Mbps)_1TX

5580MHz_TX

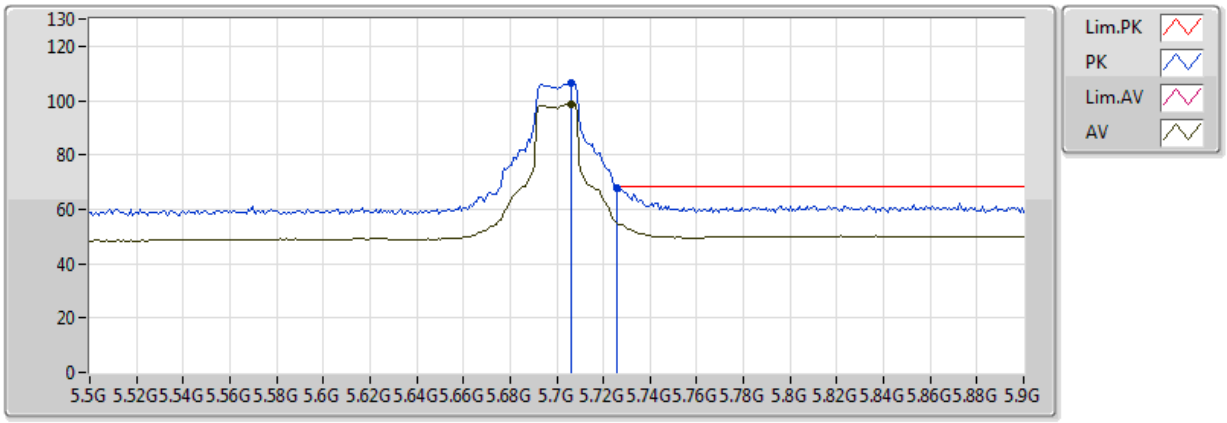


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16G	40.79	54.00	-13.21	13.68	3	H	338	1.50	-
PK	11.16G	54.35	74.00	-19.65	13.68	3	H	338	1.50	-

802.11a_(6Mbps)_1TX

5700MHz_TX

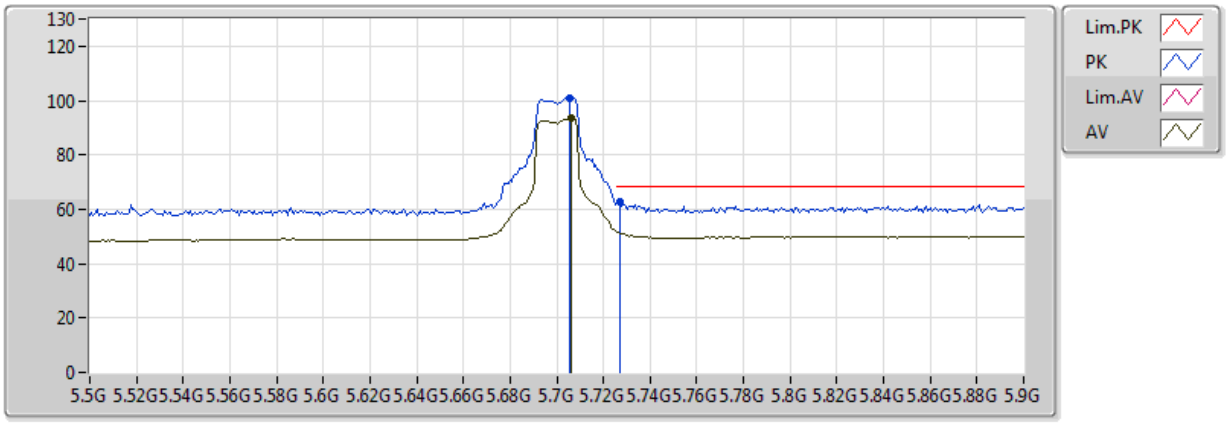


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7064G	98.90	Inf	-Inf	8.35	3	V	343	1.50	-
PK	5.7064G	106.43	Inf	-Inf	8.35	3	V	343	1.50	-
PK	5.7256G	67.82	68.20	-0.38	8.38	3	V	343	1.50	-

802.11a_(6Mbps)_1TX

5700MHz_TX

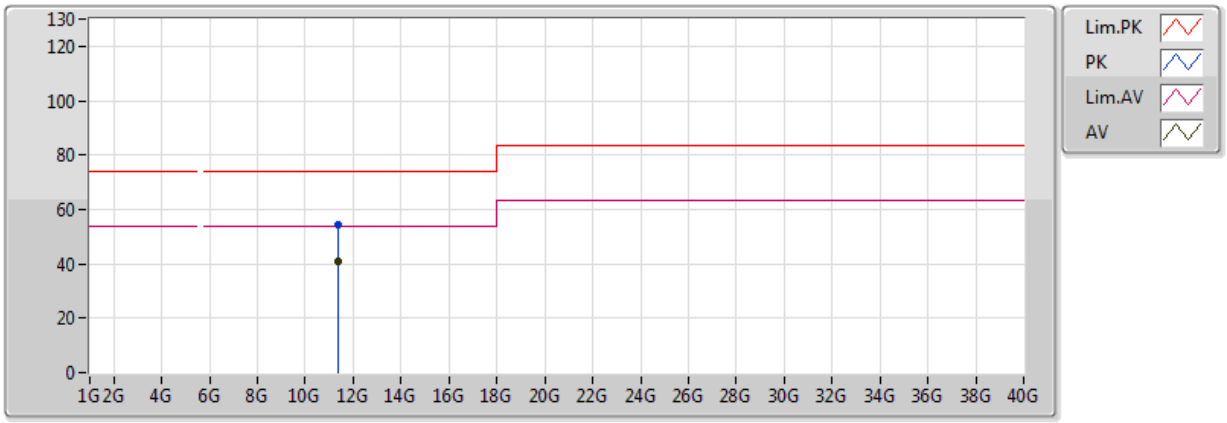


EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7064G	93.64	Inf	-Inf	8.35	3	H	55	1.95	-
PK	5.7056G	101.05	Inf	-Inf	8.35	3	H	55	1.95	-
PK	5.7272G	62.73	68.20	-5.47	8.39	3	H	55	1.95	-

802.11a_(6Mbps)_1TX

5700MHz_TX



EUT=Z
ANT=Y
ANT=ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4G	40.68	54.00	-13.32	13.37	3	V	360	1.50	-
PK	11.4G	54.62	74.00	-19.38	13.37	3	V	360	1.50	-