

FCC Radio Test Report

FCC ID : 2AAAS-CM10
Equipment : Vivint Doorbell Camera Pro (Gen 2)
Brand Name : Vivint
Model Name : CM10
Applicant : Vivint, Inc.
4931 N. 300W., Provo, UT 84604 USA
Manufacturer : Chicony Electronics Co., Ltd
No.69, Sec. 2, Guangfu Rd., Sanchong
Dist., New Taipei City 241, Taiwan (R.O.C.)
Standard : 47 CFR FCC Part 15.407

The product was received on Aug. 04, 2022, and testing was started from Aug. 12, 2022 and completed on Aug. 26, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



Table of Contents

HISTORY OF THIS TEST REPORT3

SUMMARY OF TEST RESULT4

1 GENERAL DESCRIPTION5

1.1 Information.....5

1.2 Testing Applied Standards8

1.3 Testing Location Information8

1.4 Measurement Uncertainty8

2 TEST CONFIGURATION OF EUT.....9

2.1 Test Channel Mode9

2.2 The Worst Case Measurement Configuration.....11

2.3 Support Equipment.....12

2.4 Test Setup Diagram13

3 TRANSMITTER TEST RESULT14

3.1 AC Power-line Conducted Emissions14

3.2 Emission Bandwidth16

3.3 Maximum Conducted Output Power17

3.4 Peak Power Spectral Density.....19

3.5 Unwanted Emissions.....21

4 TEST EQUIPMENT AND CALIBRATION DATA.....25

APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS

APPENDIX B. TEST RESULTS OF EMISSION BANDWIDTH

APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER

APPENDIX D. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY

APPENDIX E. TEST RESULTS OF UNWANTED EMISSIONS

APPENDIX F. TEST PHOTOS

PHOTOGRAPHS OF EUT V01



Summary of Test Result

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

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

Reviewed by: Ryan Hsiao

Report Producer: Ann Hou



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]

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



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

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Amphenol	CY5873-12-001-C	PIFA	I-PEX
2	Amphenol	CY5873-12-002-C	PIFA	I-PEX

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	0.72	2.33	0.72
2	2	0.69	2.56	-

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

For BT function:

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

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

For 5GHz function:

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

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



1.1.3 EUT Information

Operational Condition	
EUT Power Type	From AC Adapter
EUT Function	<input type="checkbox"/> Outdoor AP <input type="checkbox"/> Indoor AP
	<input type="checkbox"/> Fixed P2P AP <input checked="" type="checkbox"/> Client
Beamforming Function	<input type="checkbox"/> With beamforming <input checked="" type="checkbox"/> Without beamforming
TPC Function	<input type="checkbox"/> With TPC Function <input checked="" type="checkbox"/> Without TPC Function
Weather Band	<input checked="" type="checkbox"/> With 5600~5650MHz <input type="checkbox"/> Without 5600~5650MHz
Type of EUT	
<input checked="" type="checkbox"/>	Stand-alone
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)
	Combined Equipment - Brand Name / Model No.: ...
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)
	Host System - Brand Name / Model No.:
<input type="checkbox"/>	Other:

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.938	0.28	2.048m	1k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.886	0.53	984.688u	3k
802.11ac VHT40_Nss1,(MCS0)_2TX	0.801	0.96	496.563u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.677	1.69	256.563u	10k

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



1.2 Testing Applied Standards

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

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

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

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

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/>	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
		TEL: 886-3-327-3456	FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Wayne	20.9~21.4°C / 53~54%	23/Aug/2022
RF Conducted	TH01-HY	Johnny	21.5~25.4°C / 51~58%	19/Aug/2022~22/Aug/2022
Radiated	03CH03-HY	Edward	23.6~24.7°C / 52~60%	12/Aug/2022~26/Aug/2022
<input type="checkbox"/>	Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)		
		TEL: 886-3-318-0787	FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

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
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Emission Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Unwanted Emissions	4.8 dB	Confidence levels of 95%
Receiver Radiated Unwanted Emissions	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	Putty Release 0.62
-----------------------	--------------------

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	19
5200MHz	21
5240MHz	21
5260MHz	21
5300MHz	21
5320MHz	19
5500MHz	19
5580MHz	19
5700MHz	19
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
5745MHz	19
5785MHz	19
5825MHz	18
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	17
5200MHz	21
5240MHz	21
5260MHz	21
5300MHz	21
5320MHz	18
5500MHz	20
5580MHz	20
5700MHz	19
5720MHz Straddle 5.47-5.725GHz	19
5720MHz Straddle 5.725-5.85GHz	19
5745MHz	19
5785MHz	19
5825MHz	19






Mode	Power Setting
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	16
5230MHz	20
5270MHz	21
5310MHz	17
5510MHz	12
5550MHz	17
5670MHz	16
5710MHz Straddle 5.47-5.725GHz	19
5710MHz Straddle 5.725-5.85GHz	19
5755MHz	19
5795MHz	19
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	12
5290MHz	13
5530MHz	13
5610MHz	19
5690MHz Straddle 5.47-5.725GHz	18
5690MHz Straddle 5.725-5.85GHz	18
5775MHz	18

2.2 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 Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	Adapter mode

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

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



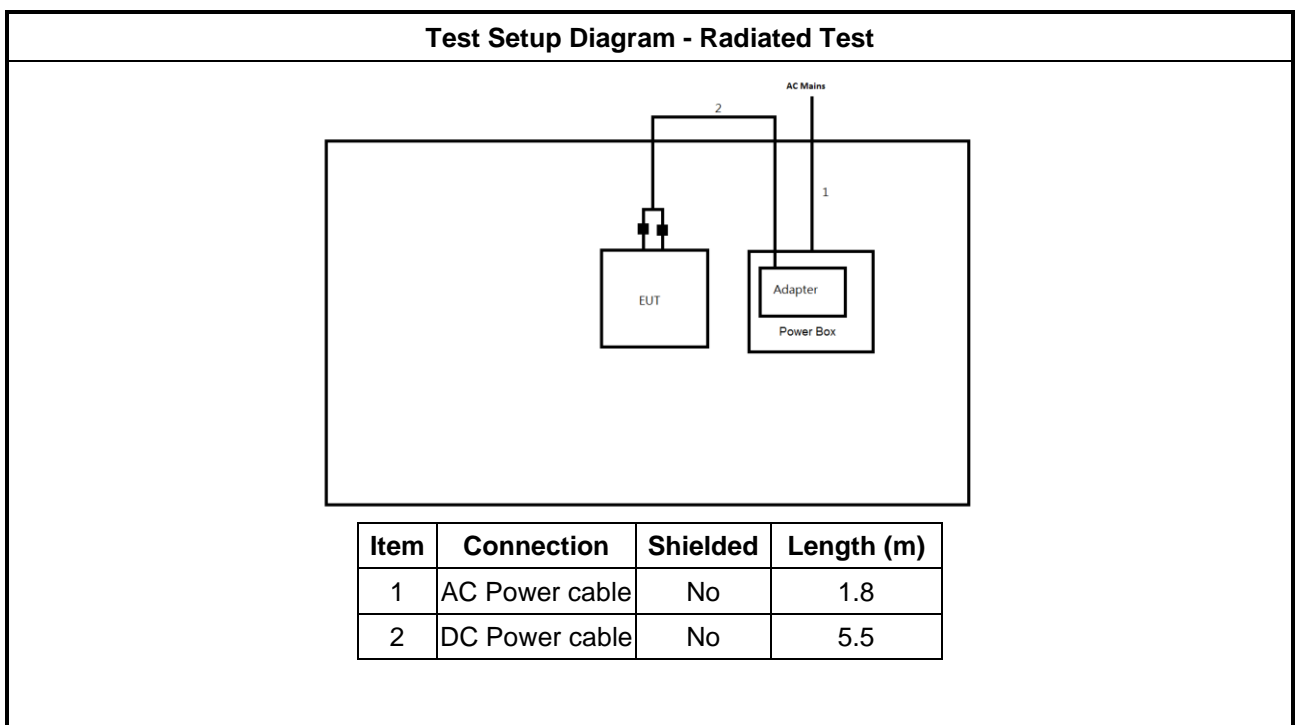
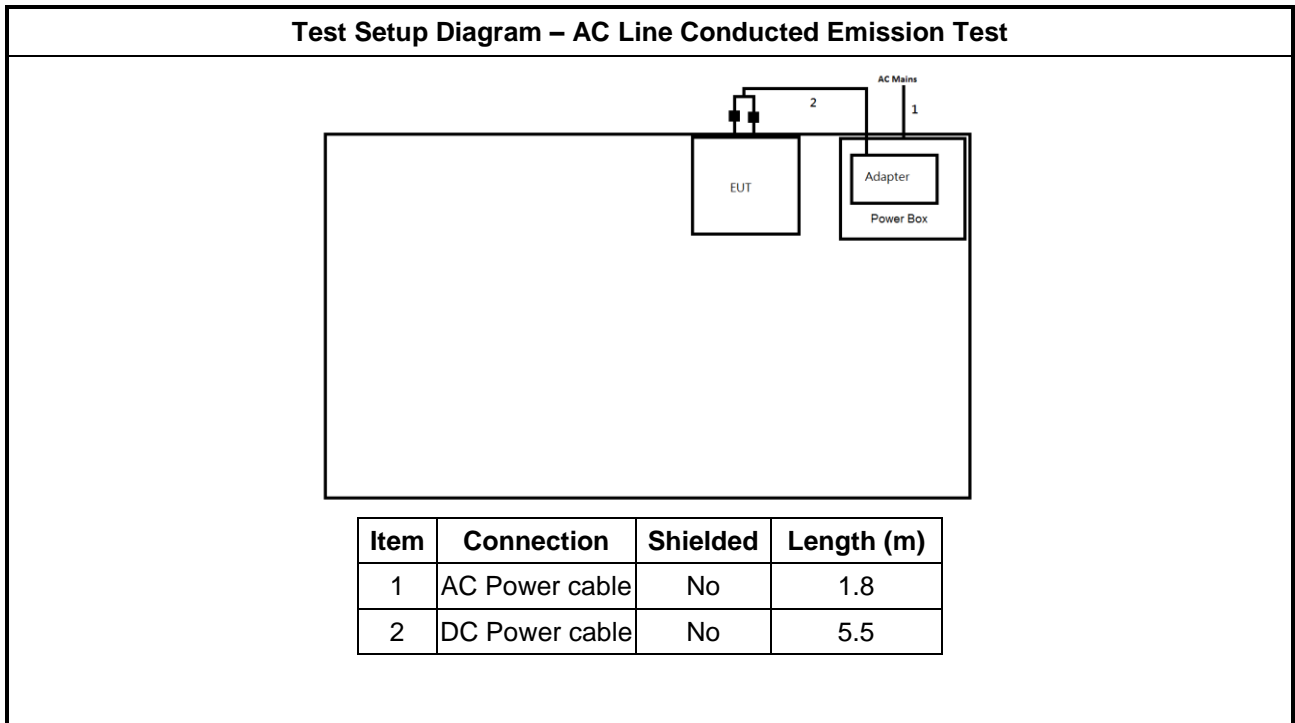
2.3 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	Ring	DLA24208	-	Provided by Customer

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

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	Ring	DLA24208	-	Provided by Customer

2.4 Test Setup Diagram





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

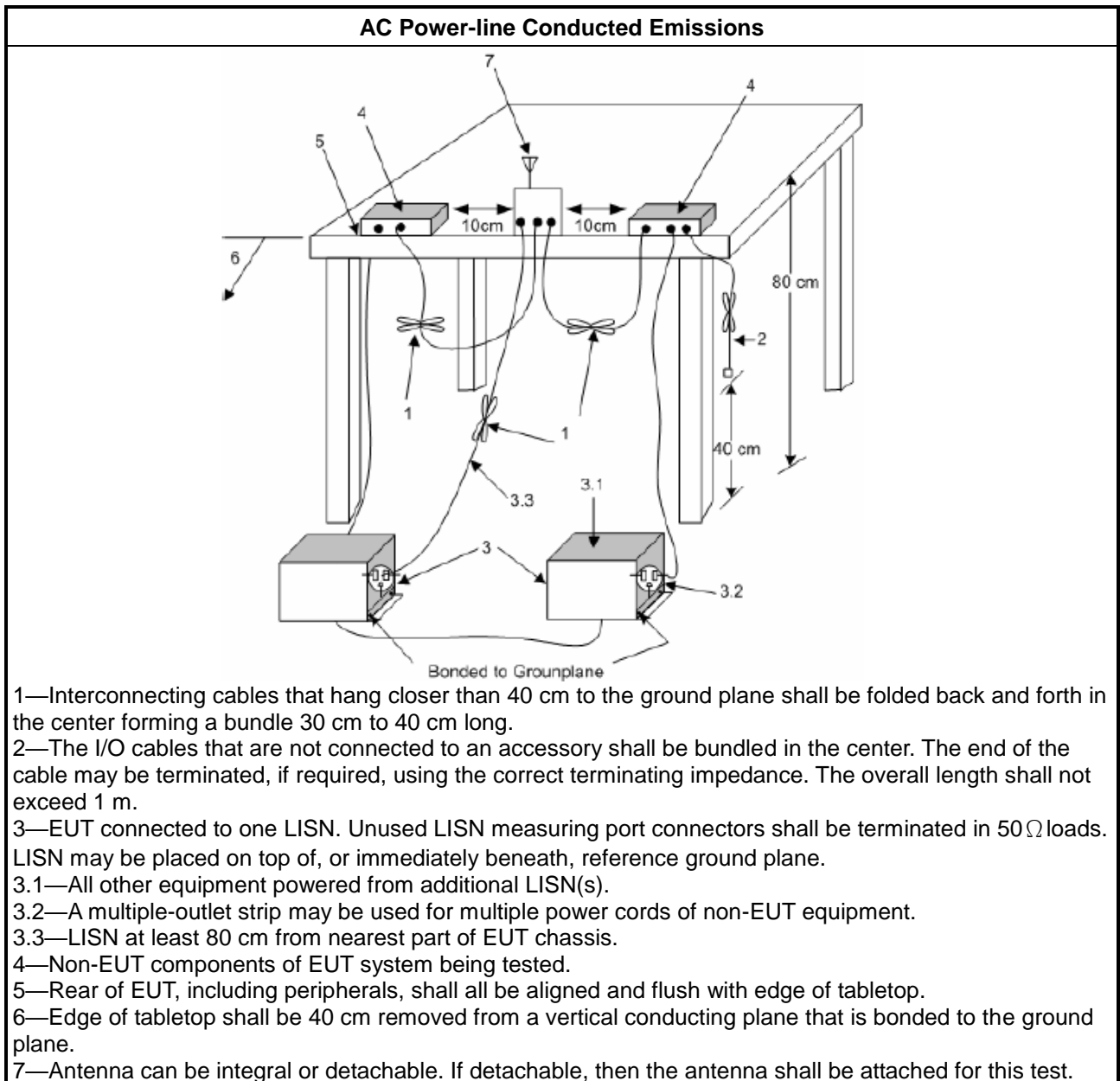
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 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	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input checked="" type="checkbox"/>	For the 5.25-5.35 GHz band, N/A
<input checked="" type="checkbox"/>	For the 5.47-5.725 GHz band, N/A
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth \geq 500kHz.

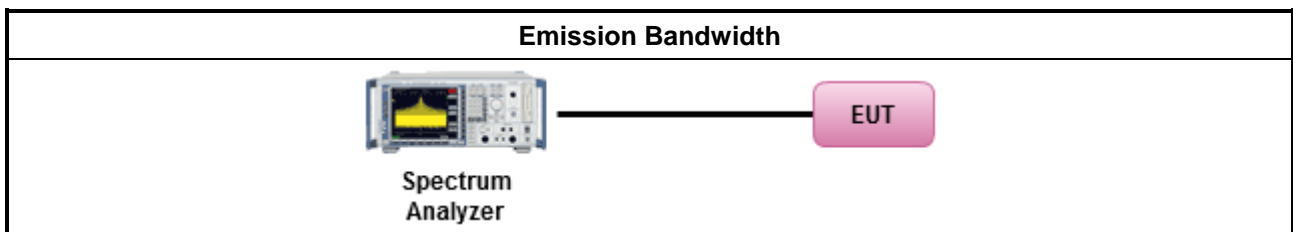
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: 	
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.2.4 Test Setup



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	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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]
	<ul style="list-style-type: none"> ▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$
	<ul style="list-style-type: none"> ▪ 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 $P_{Out} = 30 - (G_{TX} - 23)$.
	<ul style="list-style-type: none"> ▪ 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 $P_{Out} = 24 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $P_{Out} = 30 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> ▪ 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

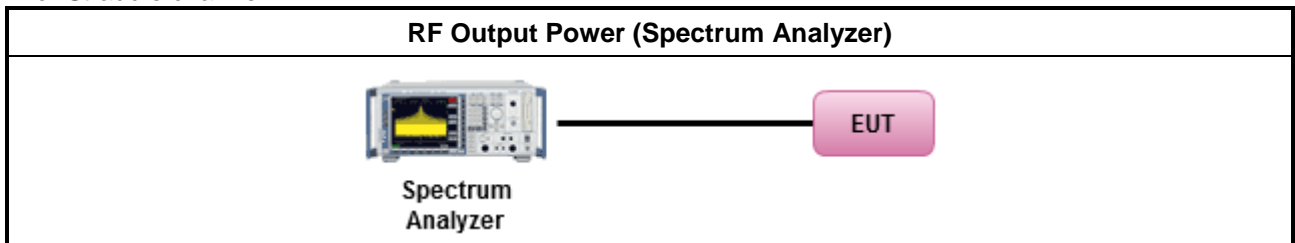
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

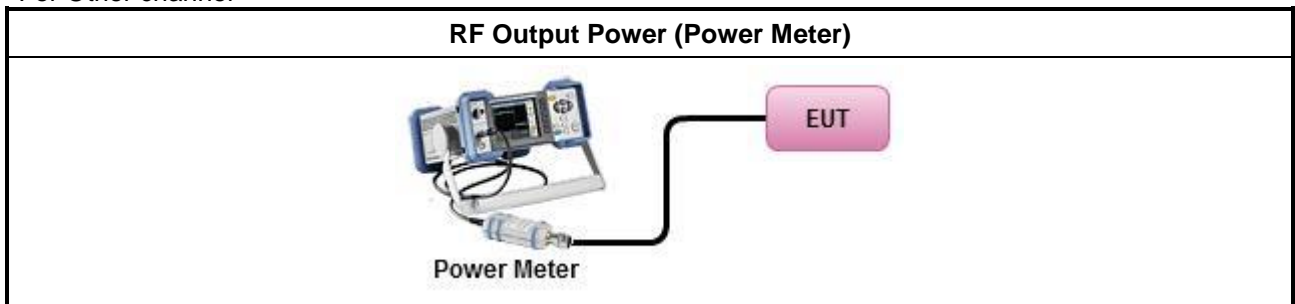
Test Method	
<ul style="list-style-type: none"> Maximum Conducted Output Power 	
	Duty cycle $\geq 98\%$ <input type="checkbox"/> Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$ <input type="checkbox"/> Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor <input checked="" type="checkbox"/> Refer as KDB 789033, clause E Method PM (using an RF average power meter).
<ul style="list-style-type: none"> For conducted measurement. 	
	<ul style="list-style-type: none"> 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.
	<ul style="list-style-type: none"> If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

For Straddle channel



For Other channel



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	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> ▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> ▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$.
	<ul style="list-style-type: none"> ▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
<p>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.</p>	

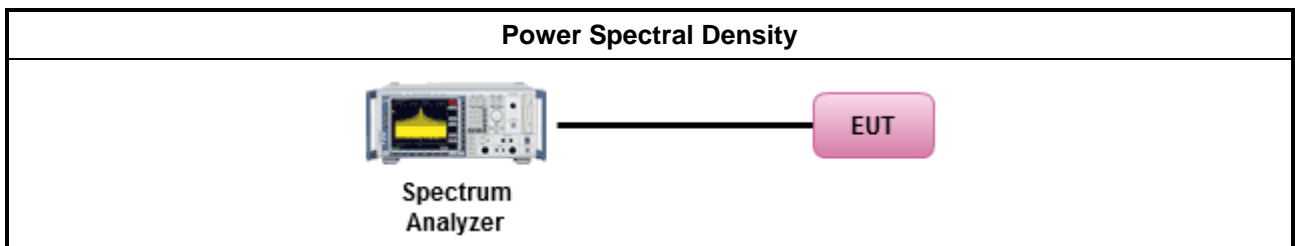
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ 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: 	
<input type="checkbox"/>	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%	
<input type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
Duty cycle < 98%	
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: <ul style="list-style-type: none"> ▪ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace. ▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$ 	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

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

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

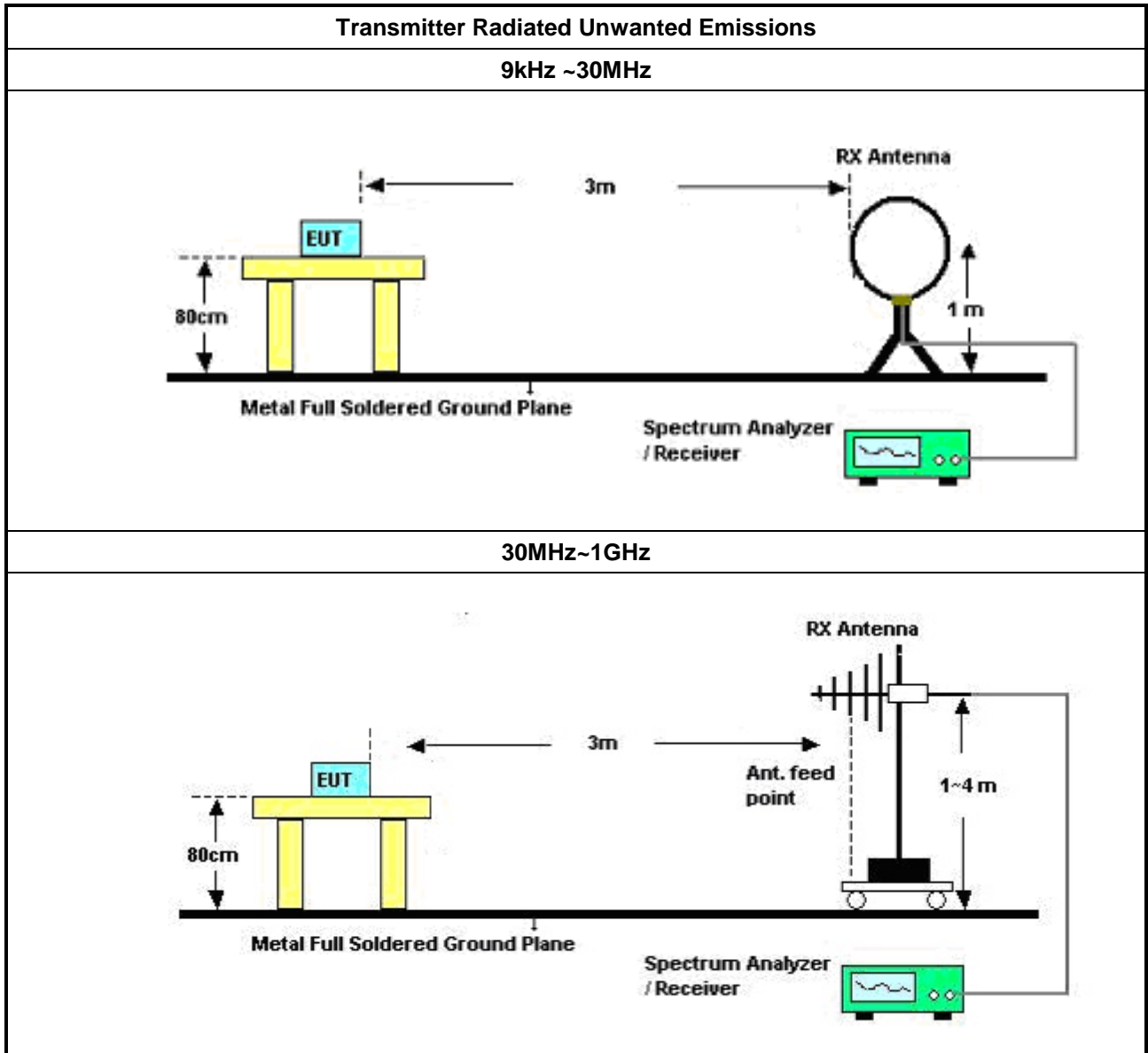
Test Method	
<ul style="list-style-type: none"> Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance 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). 	
<ul style="list-style-type: none"> The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. 	
<ul style="list-style-type: none"> For the transmitter unwanted emissions shall be measured using following options below: <ul style="list-style-type: none"> 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. <input checked="" type="checkbox"/> Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW. <input checked="" type="checkbox"/> Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit. 	
<ul style="list-style-type: none"> For radiated measurement. <ul style="list-style-type: none"> 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. 	
<ul style="list-style-type: none"> 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. 	
<ul style="list-style-type: none"> Use the following spectrum analyzer settings: <ul style="list-style-type: none"> Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold. Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4. 	
<ul style="list-style-type: none"> KDB 414788 Open-Field Test Sites and Chamber Correlation Justification. <ul style="list-style-type: none"> Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field. Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result. 	

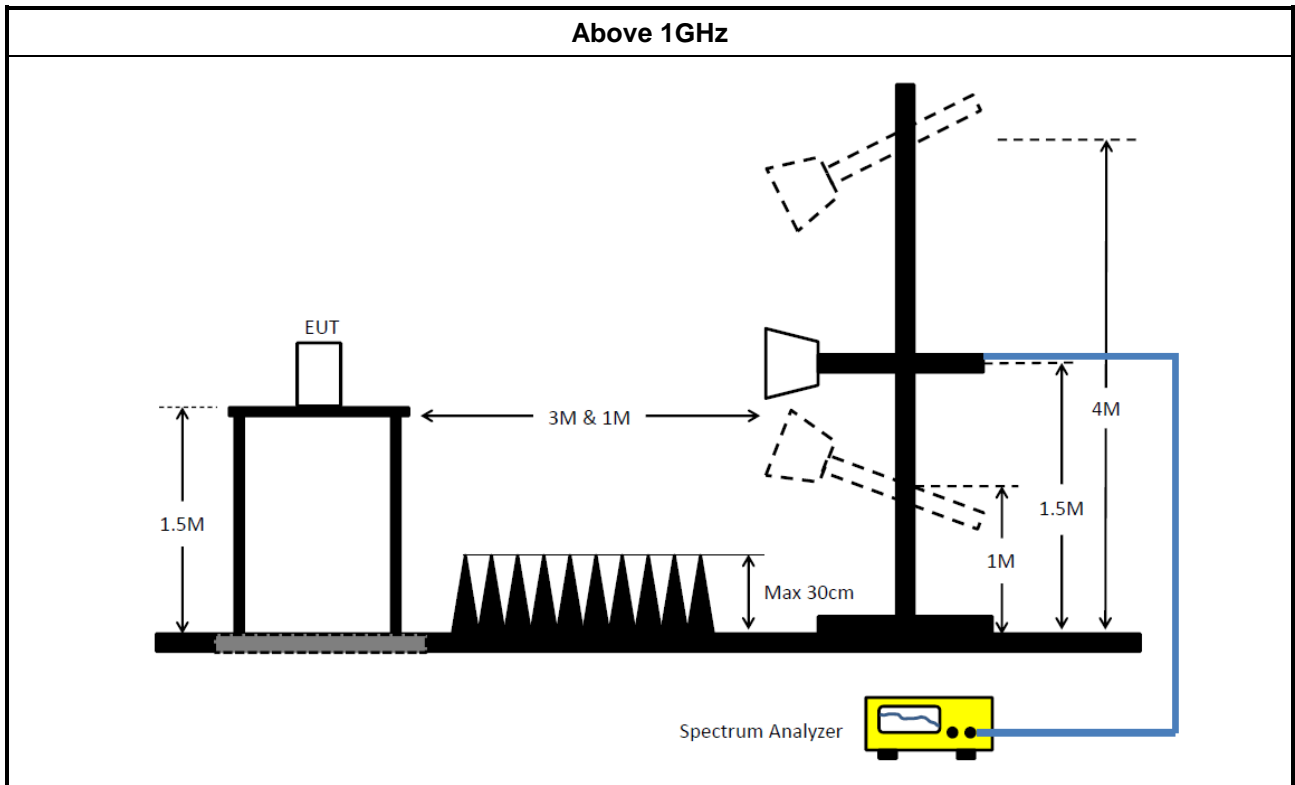
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.5 Test Setup





3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.8.2	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	01/Apr/2022	31/Mar/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	21/Feb/2022	20/Feb/2023
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	21/Feb/2022	20/Feb/2023
SENSE-15407_NII	Sporton	V5.10.8.3	N/A	N/A	N/A	N/A



Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	01/Aug/2022	31/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	02/Aug/2022	01/Aug/2023
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	08/Apr/2022	07/Apr/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	17/Oct/2021	16/Oct/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	13/Jun/2022	12/Jun/2023
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB021-1+CB021-2	30MHz~1GHz	22/Mar/2022	21/Mar/2023
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-01	1GHz~40GHz	27/Jul/2022	26/Jul/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Prempplier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
Microwave Preampplier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	13/May/2022	12/May/2023
SENSE-15209_NII	Sporton	v5.10.8.3	NA	NA	NA	NA



Summary

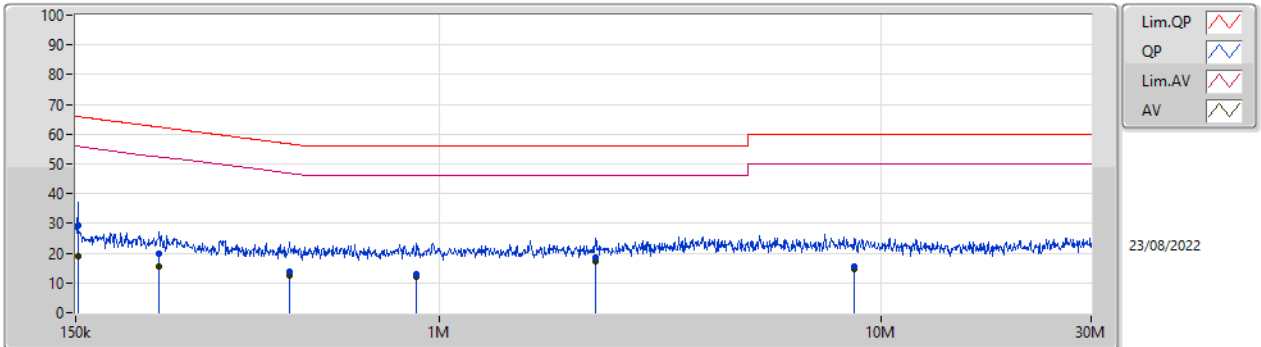
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	9.685M	21.42	50.00	-28.58	Neutral



Result

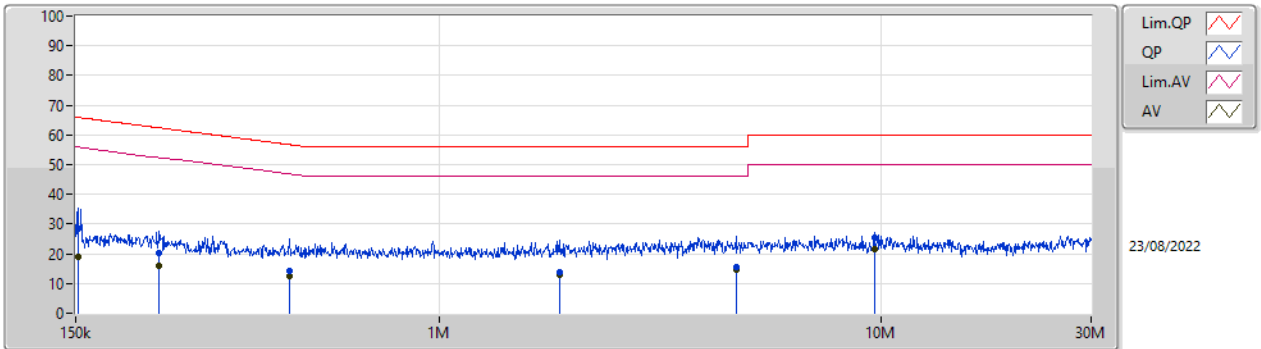
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	151.807k	29.23	65.90	-36.67	Line	-
Mode 1	Pass	AV	151.807k	19.03	55.90	-36.87	Line	-
Mode 1	Pass	QP	231.775k	19.80	62.39	-42.59	Line	-
Mode 1	Pass	AV	231.775k	15.47	52.39	-36.92	Line	-
Mode 1	Pass	QP	458.702k	13.83	56.71	-42.88	Line	-
Mode 1	Pass	AV	458.702k	12.39	46.71	-34.32	Line	-
Mode 1	Pass	QP	889.871k	13.11	56.00	-42.89	Line	-
Mode 1	Pass	AV	889.871k	12.17	46.00	-33.83	Line	-
Mode 1	Pass	QP	2.256M	18.75	56.00	-37.25	Line	-
Mode 1	Pass	AV	2.256M	17.36	46.00	-28.64	Line	-
Mode 1	Pass	QP	8.695M	15.49	60.00	-44.51	Line	-
Mode 1	Pass	AV	8.695M	14.65	50.00	-35.35	Line	-
Mode 1	Pass	QP	151.807k	28.36	65.90	-37.54	Neutral	-
Mode 1	Pass	AV	151.807k	19.13	55.90	-36.77	Neutral	-
Mode 1	Pass	QP	231.775k	20.09	62.39	-42.30	Neutral	-
Mode 1	Pass	AV	231.775k	15.77	52.39	-36.62	Neutral	-
Mode 1	Pass	QP	456.875k	14.34	56.75	-42.41	Neutral	-
Mode 1	Pass	AV	456.875k	12.50	46.75	-34.25	Neutral	-
Mode 1	Pass	QP	1.87M	13.76	56.00	-42.24	Neutral	-
Mode 1	Pass	AV	1.87M	12.78	46.00	-33.22	Neutral	-
Mode 1	Pass	QP	4.702M	15.37	56.00	-40.63	Neutral	-
Mode 1	Pass	AV	4.702M	14.51	46.00	-31.49	Neutral	-
Mode 1	Pass	QP	9.685M	25.38	60.00	-34.62	Neutral	-
Mode 1	Pass	AV	9.685M	21.42	50.00	-28.58	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	151.807k	29.23	65.90	-36.67	19.63	Line	-	9.60	9.69	0.03	9.91
AV	151.807k	19.03	55.90	-36.87	19.63	Line	-	-0.60	9.69	0.03	9.91
QP	231.775k	19.80	62.39	-42.59	19.63	Line	-	0.17	9.69	0.03	9.91
AV	231.775k	15.47	52.39	-36.92	19.63	Line	-	-4.16	9.69	0.03	9.91
QP	458.702k	13.83	56.71	-42.88	19.64	Line	-	-5.81	9.69	0.04	9.91
AV	458.702k	12.39	46.71	-34.32	19.64	Line	-	-7.25	9.69	0.04	9.91
QP	889.871k	13.11	56.00	-42.89	19.66	Line	-	-6.55	9.69	0.05	9.92
AV	889.871k	12.17	46.00	-33.83	19.66	Line	-	-7.49	9.69	0.05	9.92
QP	2.256M	18.75	56.00	-37.25	19.70	Line	-	-0.95	9.69	0.09	9.92
AV	2.256M	17.36	46.00	-28.64	19.70	Line	-	-2.34	9.69	0.09	9.92
QP	8.695M	15.49	60.00	-44.51	19.79	Line	-	-4.30	9.69	0.17	9.93
AV	8.695M	14.65	50.00	-35.35	19.79	Line	-	-5.14	9.69	0.17	9.93

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	151.807k	28.36	65.90	-37.54	19.67	Neutral	-	8.69	9.73	0.03	9.91
AV	151.807k	19.13	55.90	-36.77	19.67	Neutral	-	-0.54	9.73	0.03	9.91
QP	231.775k	20.09	62.39	-42.30	19.66	Neutral	-	0.43	9.72	0.03	9.91
AV	231.775k	15.77	52.39	-36.62	19.66	Neutral	-	-3.89	9.72	0.03	9.91
QP	456.875k	14.34	56.75	-42.41	19.67	Neutral	-	-5.33	9.72	0.04	9.91
AV	456.875k	12.50	46.75	-34.25	19.67	Neutral	-	-7.17	9.72	0.04	9.91
QP	1.87M	13.76	56.00	-42.24	19.74	Neutral	-	-5.98	9.74	0.08	9.92
AV	1.87M	12.78	46.00	-33.22	19.74	Neutral	-	-6.96	9.74	0.08	9.92
QP	4.702M	15.37	56.00	-40.63	19.84	Neutral	-	-4.47	9.78	0.14	9.92
AV	4.702M	14.51	46.00	-31.49	19.84	Neutral	-	-5.33	9.78	0.14	9.92
QP	9.685M	25.38	60.00	-34.62	20.00	Neutral	-	5.38	9.89	0.18	9.93
AV	9.685M	21.42	50.00	-28.58	20.00	Neutral	-	1.42	9.89	0.18	9.93

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	28.2M	16.732M	16M8D1D	19.68M	16.342M
802.11ac_VHT20_Nss1,(MCS0)_2TX	26.46M	17.661M	17M7D1D	19.95M	17.421M
802.11ac_VHT40_Nss1,(MCS0)_2TX	60.36M	36.462M	36M5D1D	39.66M	35.922M
802.11ac_VHT80_Nss1,(MCS0)_2TX	83.16M	75.082M	75M1D1D	81.96M	75.082M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	28.83M	16.762M	16M8D1D	20.07M	16.342M
802.11ac_VHT20_Nss1,(MCS0)_2TX	27.84M	17.691M	17M7D1D	20.01M	17.451M
802.11ac_VHT40_Nss1,(MCS0)_2TX	71.52M	37.421M	37M5D1D	40.44M	35.982M
802.11ac_VHT80_Nss1,(MCS0)_2TX	82.68M	75.082M	75M1D1D	82.2M	75.082M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	27.87M	16.642M	16M7D1D	15.105M	13.208M
802.11ac_VHT20_Nss1,(MCS0)_2TX	26.37M	17.691M	17M7D1D	15.51M	13.793M
802.11ac_VHT40_Nss1,(MCS0)_2TX	48.055M	36.102M	36M2D1D	39.72M	33.093M
802.11ac_VHT80_Nss1,(MCS0)_2TX	129M	76.282M	76M3D1D	80.325M	72.339M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	15.54M	16.642M	16M7D1D	3.08M	4.078M
802.11ac_VHT20_Nss1,(MCS0)_2TX	15.66M	17.631M	17M7D1D	3.06M	4.638M
802.11ac_VHT40_Nss1,(MCS0)_2TX	35.1M	37.301M	37M4D1D	3.1M	21.249M
802.11ac_VHT80_Nss1,(MCS0)_2TX	75.12M	75.802M	75M9D1D	3.1M	31.544M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.68M	16.342M	20.28M	16.342M
5200MHz	Pass	Inf	22.2M	16.462M	27.27M	16.732M
5240MHz	Pass	Inf	25.14M	16.522M	28.2M	16.732M
5260MHz	Pass	Inf	24.27M	16.492M	27.42M	16.762M
5300MHz	Pass	Inf	25.71M	16.552M	28.83M	16.732M
5320MHz	Pass	Inf	20.07M	16.342M	20.73M	16.372M
5500MHz	Pass	Inf	20.61M	16.372M	22.56M	16.432M
5580MHz	Pass	Inf	21.09M	16.372M	25.56M	16.492M
5700MHz	Pass	Inf	24.15M	16.402M	27.87M	16.642M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.105M	13.208M	16.05M	13.253M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.08M	4.078M	3.08M	5.257M
5745MHz	Pass	500k	15.54M	16.432M	15.09M	16.582M
5785MHz	Pass	500k	15.12M	16.402M	15.27M	16.642M
5825MHz	Pass	500k	15.09M	16.342M	15.03M	16.372M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.31M	17.421M	19.95M	17.421M
5200MHz	Pass	Inf	21.63M	17.541M	26.46M	17.661M
5240MHz	Pass	Inf	22.47M	17.571M	25.2M	17.661M
5260MHz	Pass	Inf	23.22M	17.571M	27.03M	17.661M
5300MHz	Pass	Inf	24M	17.571M	27.84M	17.691M
5320MHz	Pass	Inf	20.61M	17.451M	20.01M	17.451M
5500MHz	Pass	Inf	22.62M	17.511M	25.65M	17.631M
5580MHz	Pass	Inf	25.23M	17.571M	26.37M	17.691M
5700MHz	Pass	Inf	22.8M	17.541M	24.96M	17.631M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.51M	13.793M	17.205M	13.868M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.06M	4.638M	3.3M	7.316M
5745MHz	Pass	500k	15.12M	17.481M	15.06M	17.631M
5785MHz	Pass	500k	15.03M	17.511M	15.06M	17.631M
5825MHz	Pass	500k	15.03M	17.511M	15.66M	17.631M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.28M	36.042M	39.66M	35.922M
5230MHz	Pass	Inf	49.5M	36.282M	60.36M	36.462M
5270MHz	Pass	Inf	70.5M	36.822M	71.52M	37.421M
5310MHz	Pass	Inf	40.92M	36.042M	40.44M	35.982M
5510MHz	Pass	Inf	40.68M	35.982M	39.72M	35.922M
5550MHz	Pass	Inf	41.04M	35.982M	40.56M	36.042M
5670MHz	Pass	Inf	41.4M	36.102M	40.74M	36.042M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	47.915M	33.093M	48.055M	33.513M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	21.249M	3.1M	24.228M
5755MHz	Pass	500k	35.1M	36.462M	35.04M	37.301M
5795MHz	Pass	500k	35.04M	36.462M	33.78M	37.181M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.16M	75.082M	81.96M	75.082M
5290MHz	Pass	Inf	82.68M	75.082M	82.2M	75.082M
5530MHz	Pass	Inf	83.04M	75.322M	81.84M	75.202M
5610MHz	Pass	Inf	103.68M	75.682M	129M	76.282M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	80.325M	72.339M	87M	72.489M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	31.544M	3.1M	34.703M
5775MHz	Pass	500k	75.12M	75.322M	75M	75.802M

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

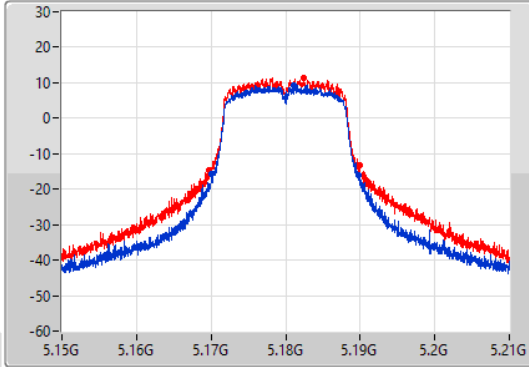
802.11a_Nss1,(6Mbps)_2TX

EBW

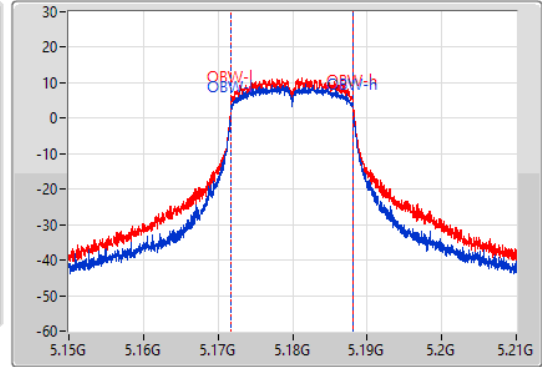
5180MHz

19/08/2022

CF
5.18GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.18GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.68M	5.17013G	5.18981G	16.342M	5.171784G	5.188126G	Inf	1
20.28M	5.16968G	5.18996G	16.342M	5.171784G	5.188126G	Inf	2

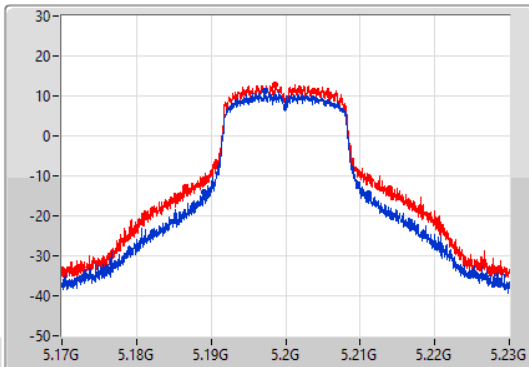
802.11a_Nss1,(6Mbps)_2TX

EBW

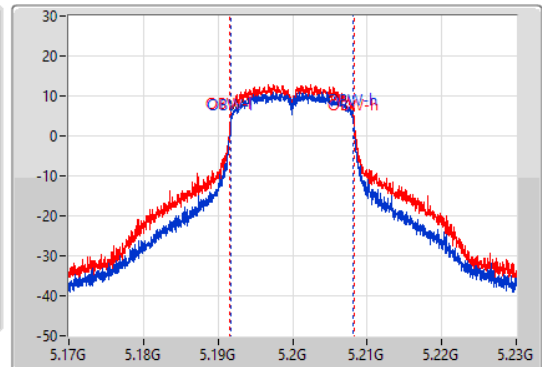
5200MHz

19/08/2022

CF
5.2GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.2GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.2M	5.18899G	5.21119G	16.462M	5.191724G	5.208186G	Inf	1
27.27M	5.18662G	5.21389G	16.732M	5.191604G	5.208336G	Inf	2

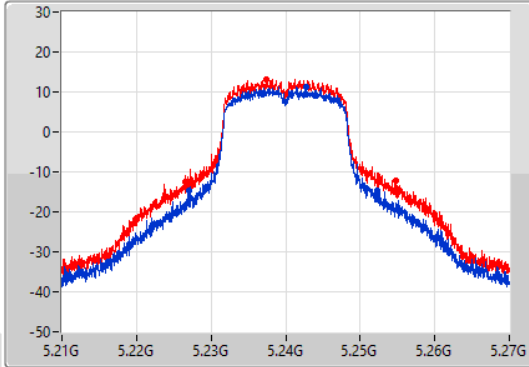
802.11a_Nss1,(6Mbps)_2TX

EBW

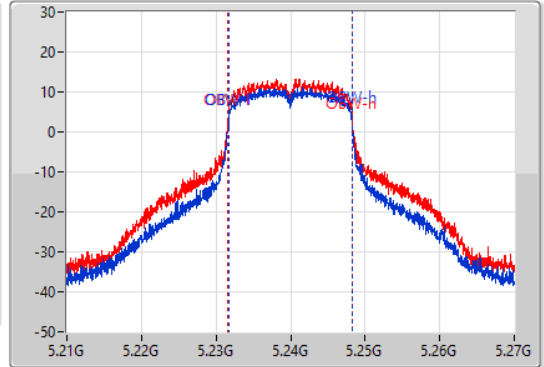
5240MHz

19/08/2022

CF
5.24GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.24GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.14M	5.22713G	5.25227G	16.522M	5.231694G	5.248216G	Inf	1
28.2M	5.22653G	5.25473G	16.732M	5.231604G	5.248336G	Inf	2

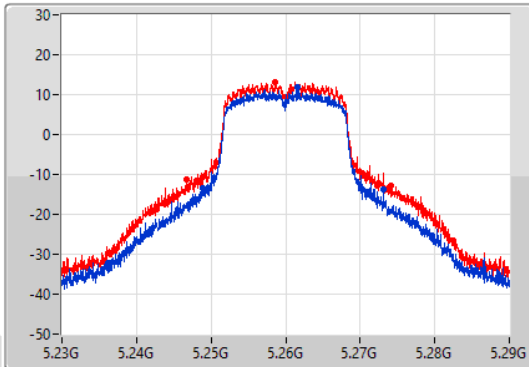
802.11a_Nss1,(6Mbps)_2TX

EBW

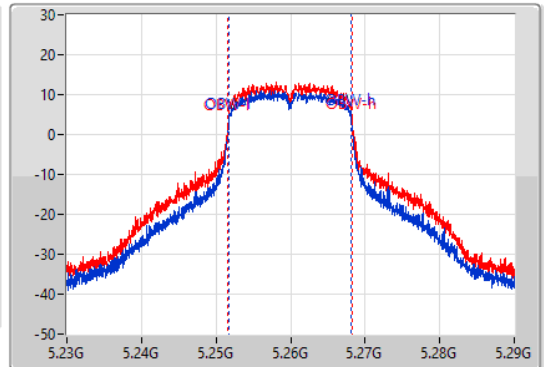
5260MHz

19/08/2022

CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.27M	5.24881G	5.27308G	16.492M	5.251694G	5.268186G	Inf	1
27.42M	5.24665G	5.27407G	16.762M	5.251574G	5.268336G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

19/08/2022

CF
5.3GHz

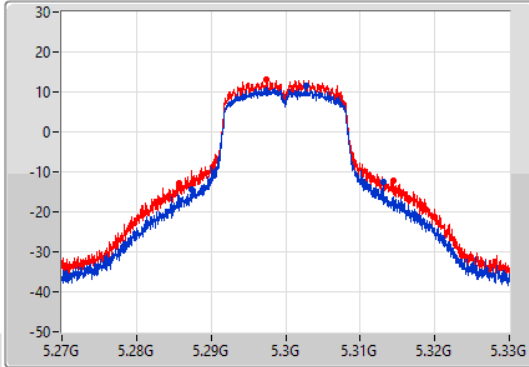
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



CF
5.3GHz

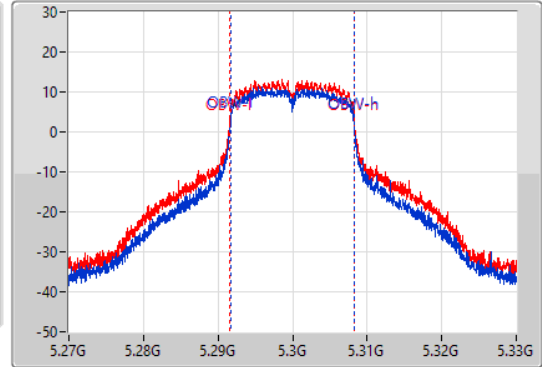
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.71M	5.28734G	5.31305G	16.552M	5.291664G	5.308216G	Inf	1
28.83M	5.28563G	5.31446G	16.732M	5.291574G	5.308306G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

19/08/2022

CF
5.32GHz

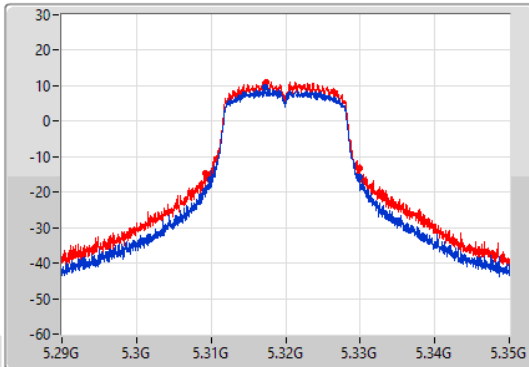
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



CF
5.32GHz

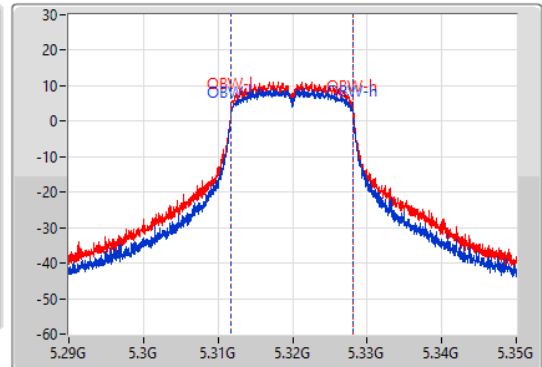
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.07M	5.30986G	5.32993G	16.342M	5.311754G	5.328096G	Inf	1
20.73M	5.30923G	5.32996G	16.372M	5.311754G	5.328126G	Inf	2

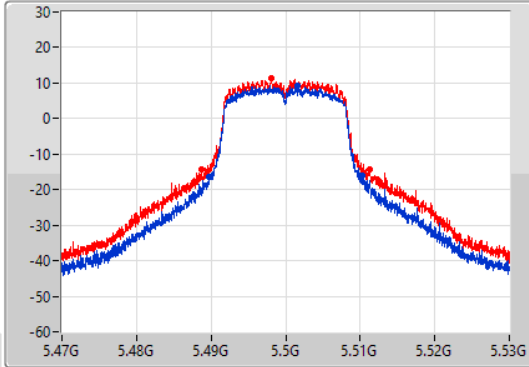
802.11a_Nss1,(6Mbps)_2TX

EBW

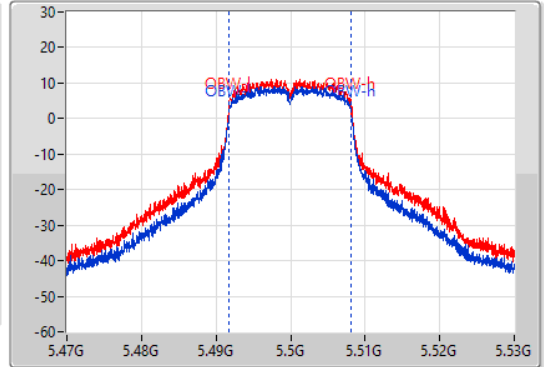
5500MHz

19/08/2022

CF
5.5GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.5GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.61M	5.48974G	5.51035G	16.372M	5.491754G	5.508126G	Inf	1
22.56M	5.48866G	5.51122G	16.432M	5.491724G	5.508156G	Inf	2

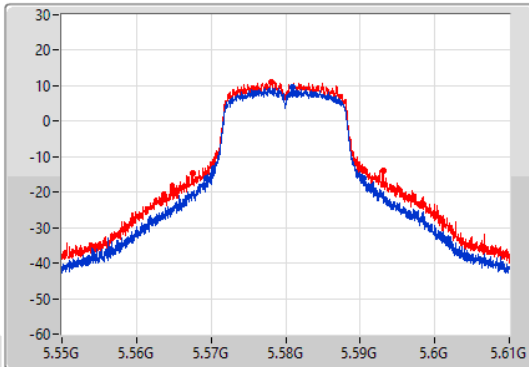
802.11a_Nss1,(6Mbps)_2TX

EBW

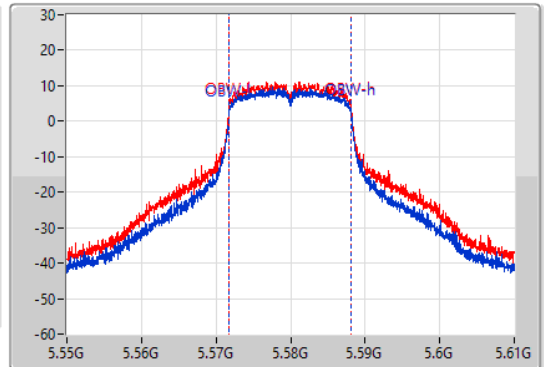
5580MHz

19/08/2022

CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.09M	5.56938G	5.59047G	16.372M	5.571754G	5.588126G	Inf	1
25.56M	5.56749G	5.59305G	16.492M	5.571694G	5.588186G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5700MHz

19/08/2022

CF
5.7GHz

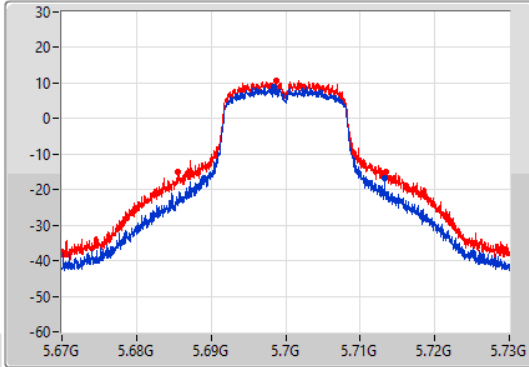
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



CF
5.7GHz

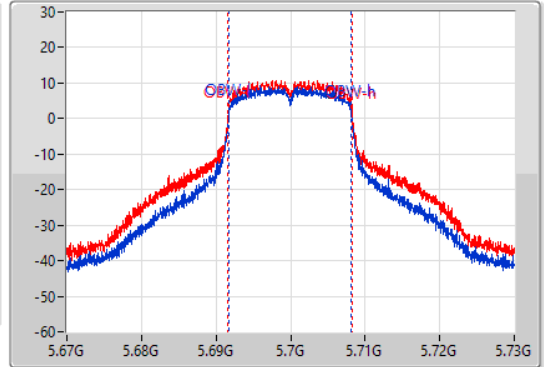
Span
60MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.15M	5.68908G	5.71323G	16.402M	5.691754G	5.708156G	Inf	1
27.87M	5.68557G	5.71344G	16.642M	5.691634G	5.708276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

19/08/2022

CF
5.71GHz

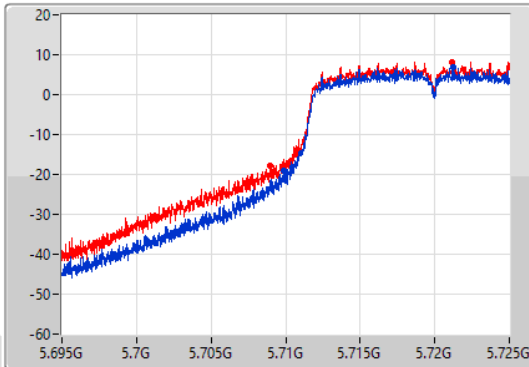
Span
30MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



CF
5.71GHz

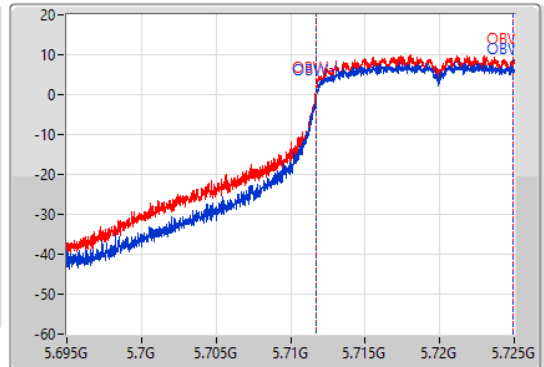
Span
30MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



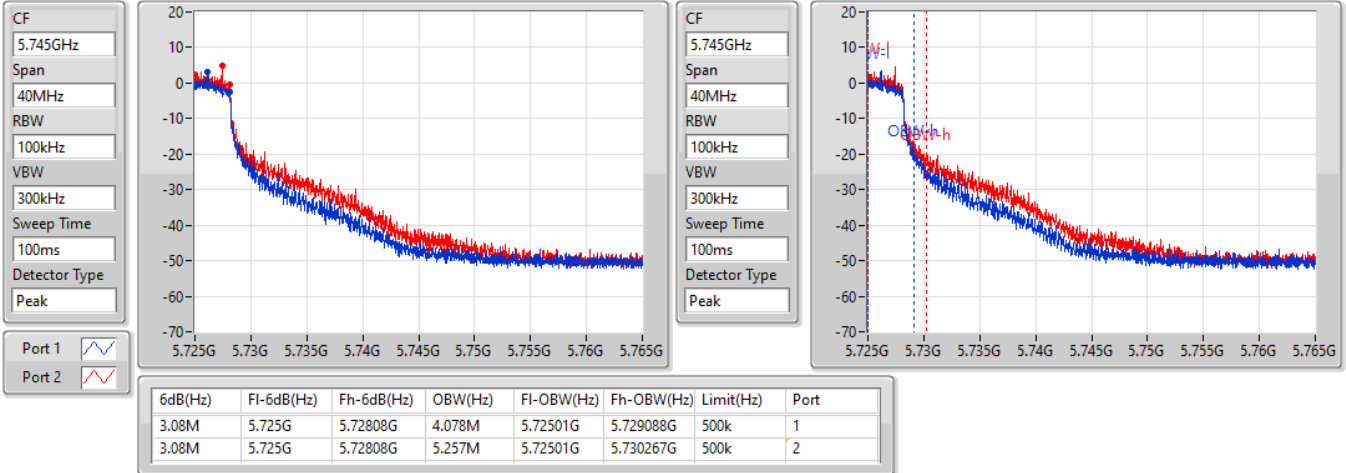
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.105M	5.709895G	5.725G	13.208M	5.711724G	5.724933G	Inf	1
16.05M	5.70895G	5.725G	13.253M	5.711694G	5.724948G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

19/08/2022

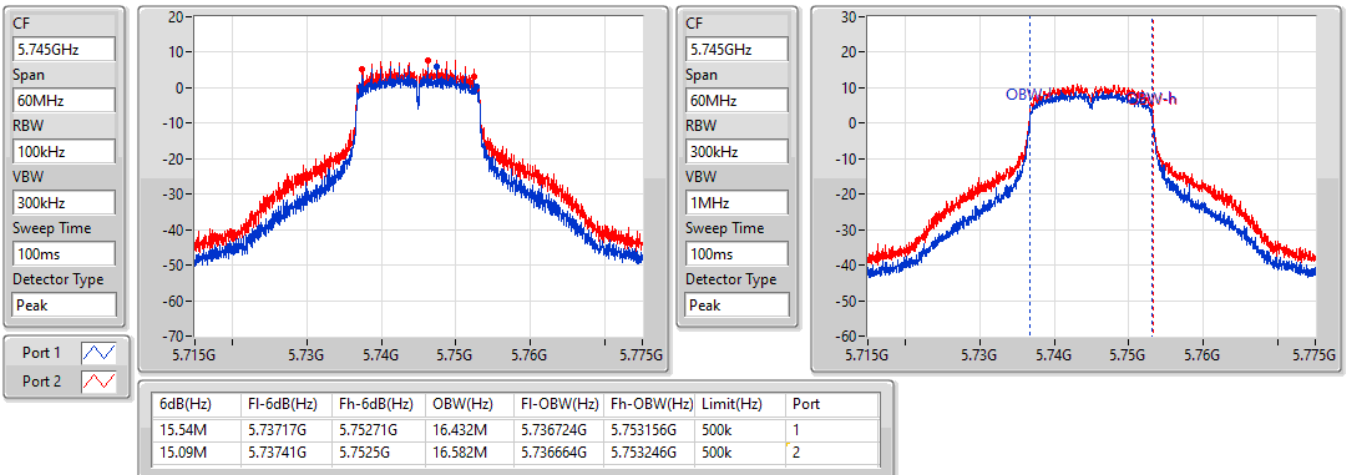


802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

19/08/2022

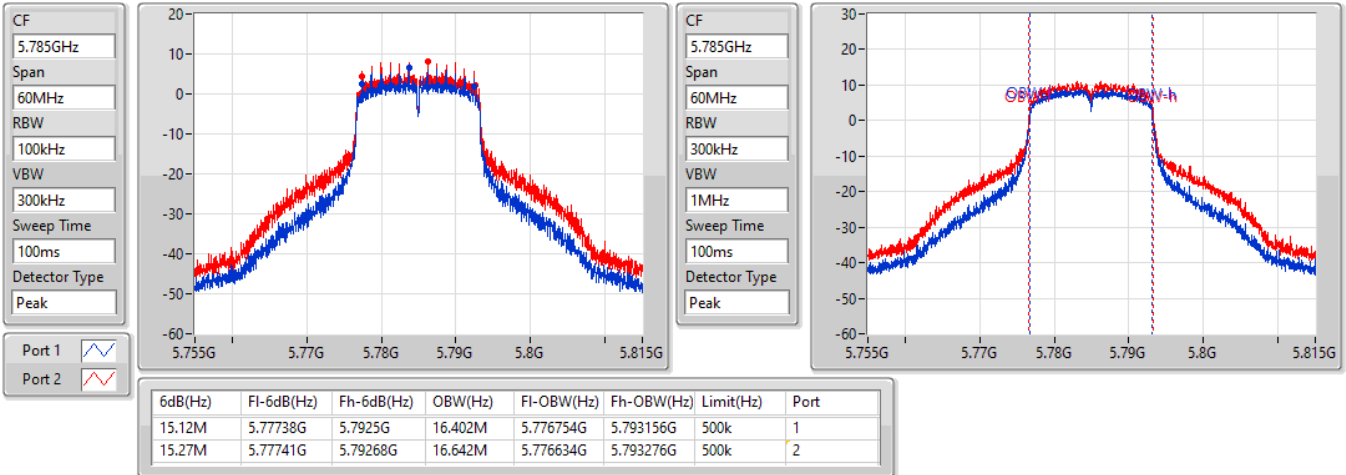


802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

19/08/2022

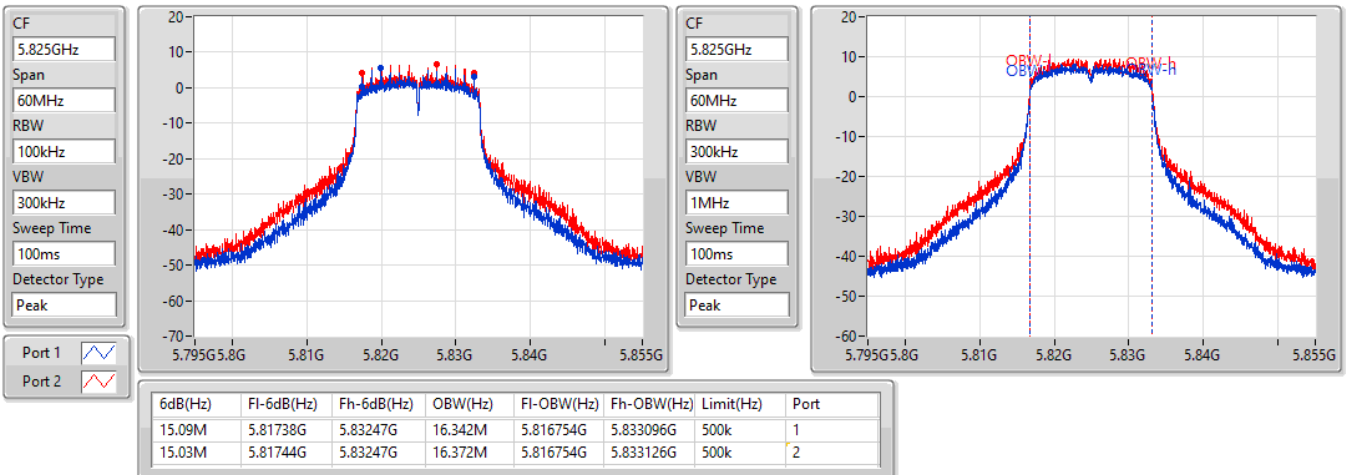


802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

19/08/2022

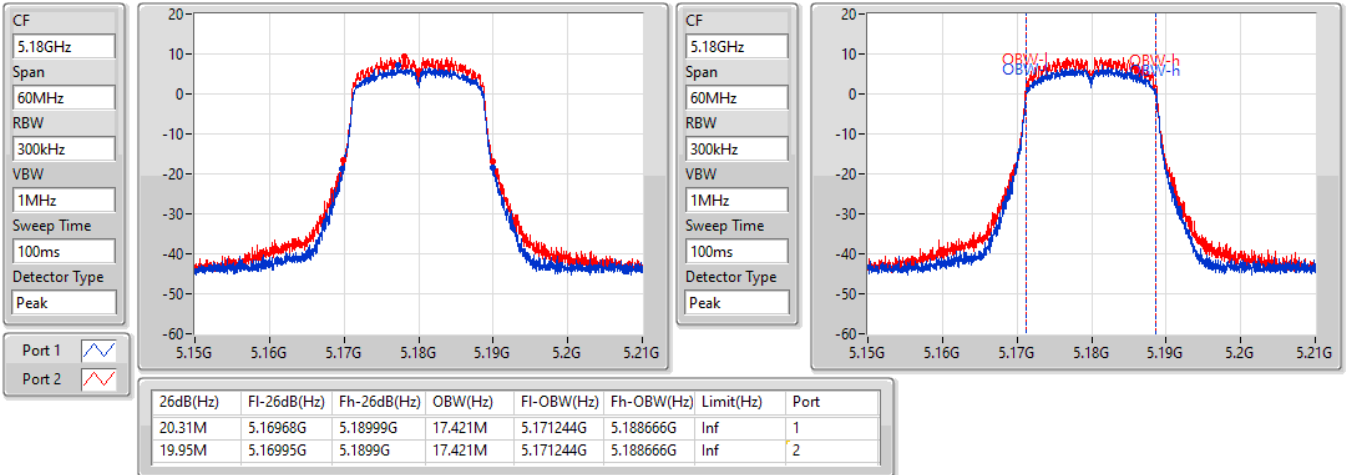


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

19/08/2022

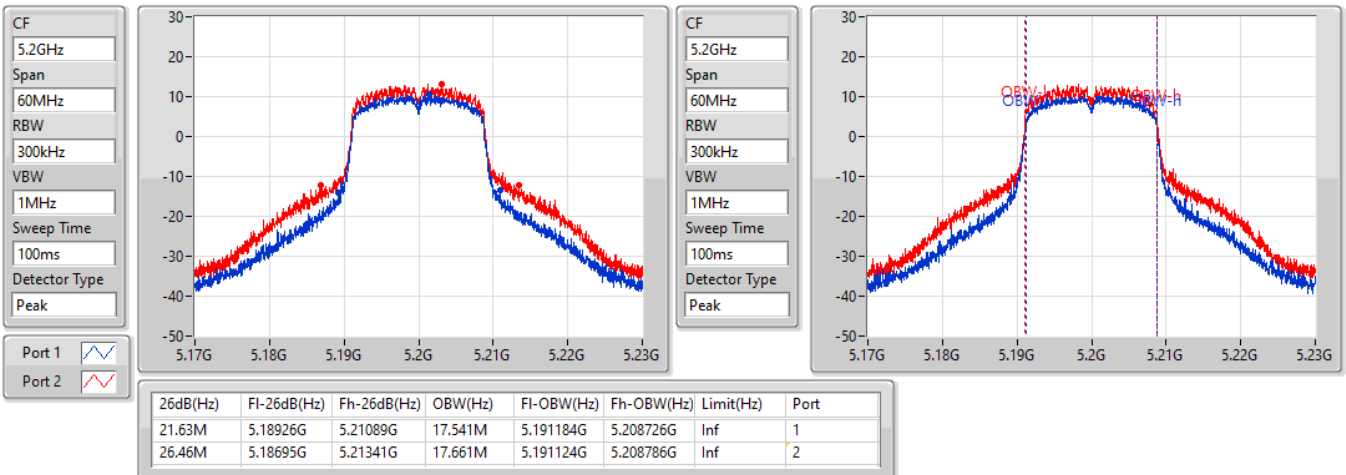


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5200MHz

19/08/2022



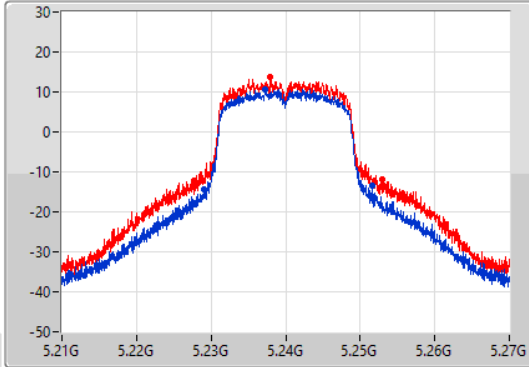
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

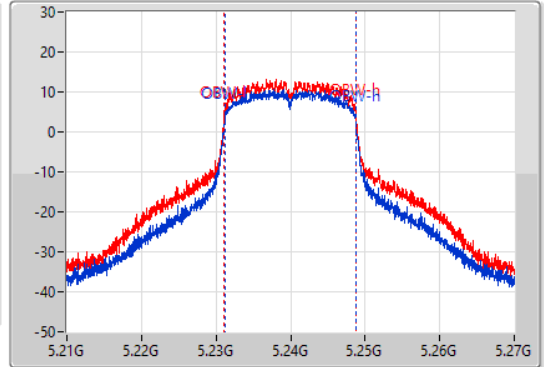
5240MHz

19/08/2022

CF
5.24GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.24GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.47M	5.22911G	5.25158G	17.571M	5.231154G	5.248726G	Inf	1
25.2M	5.22767G	5.25287G	17.661M	5.231124G	5.248786G	Inf	2

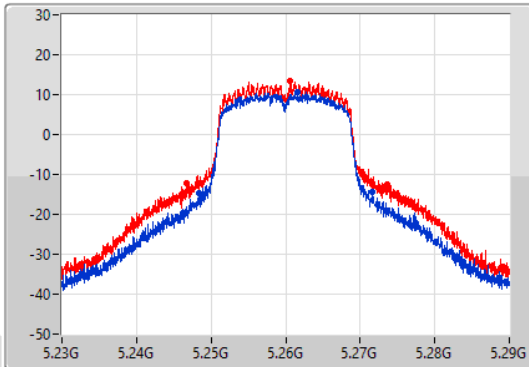
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

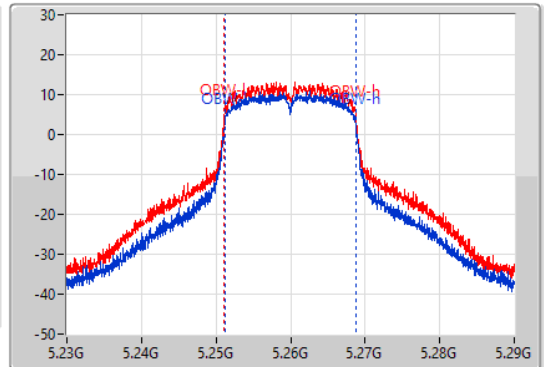
5260MHz

19/08/2022

CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.22M	5.24839G	5.27161G	17.571M	5.251154G	5.268726G	Inf	1
27.03M	5.24665G	5.27368G	17.661M	5.251124G	5.268786G	Inf	2

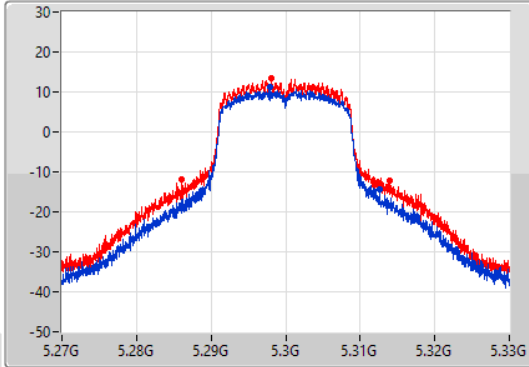
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

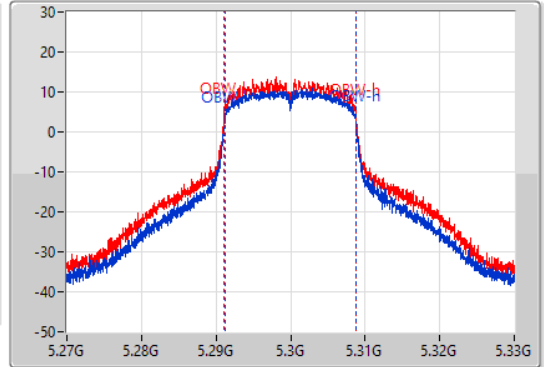
5300MHz

19/08/2022

CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24M	5.28866G	5.31266G	17.571M	5.291154G	5.308726G	Inf	1
27.84M	5.28611G	5.31395G	17.691M	5.291094G	5.308786G	Inf	2

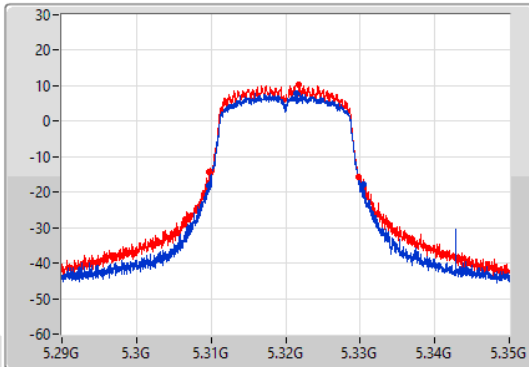
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

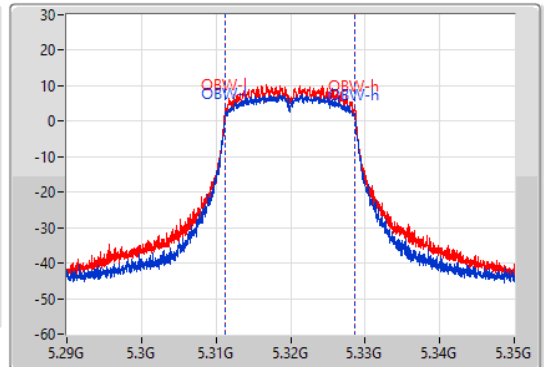
5320MHz

19/08/2022

CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



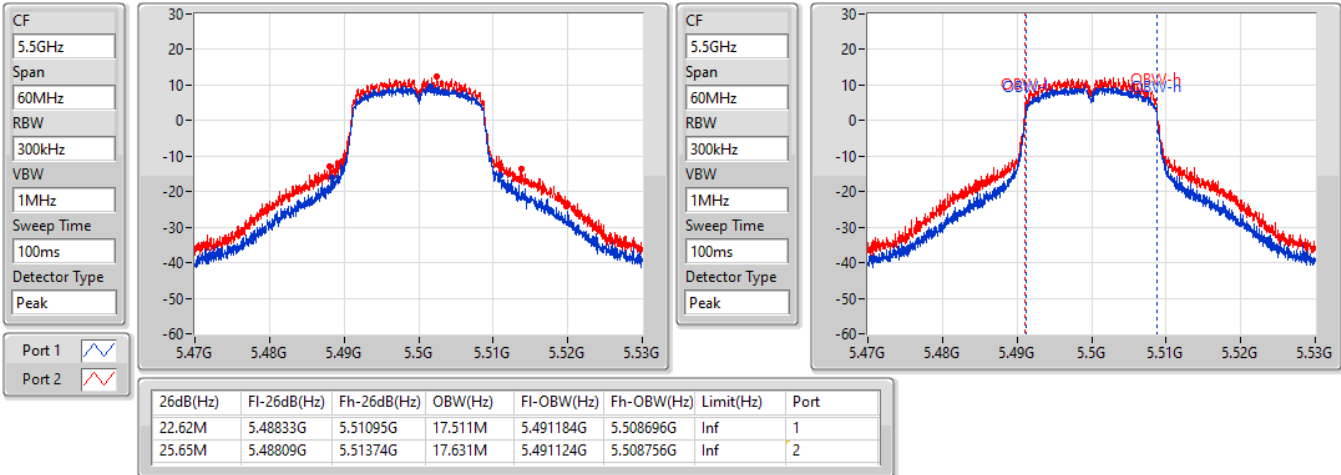
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.61M	5.30977G	5.33038G	17.451M	5.311214G	5.328666G	Inf	1
20.01M	5.3098G	5.32981G	17.451M	5.311214G	5.328666G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5500MHz

19/08/2022

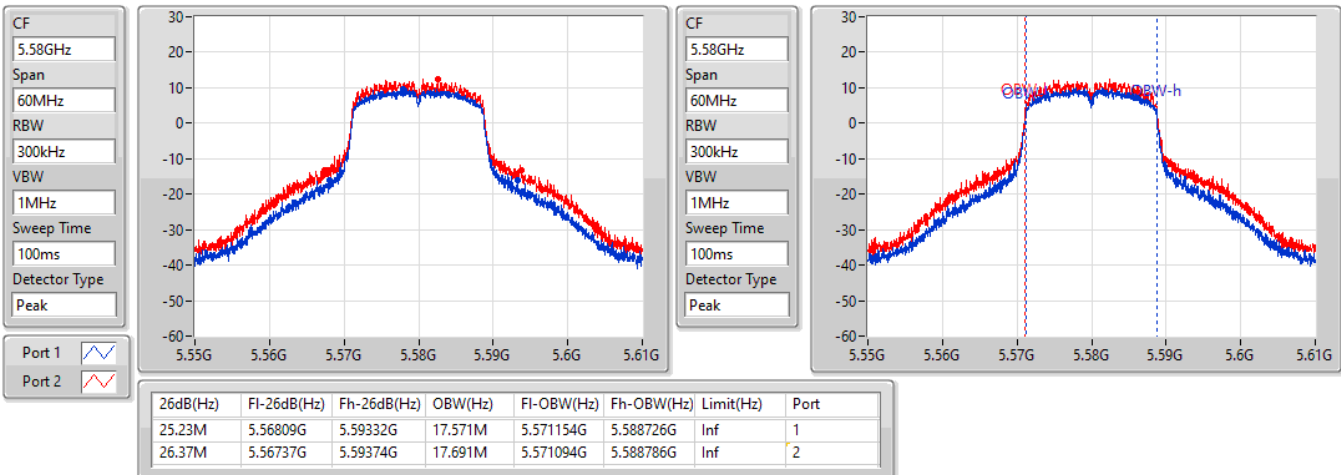


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5580MHz

19/08/2022



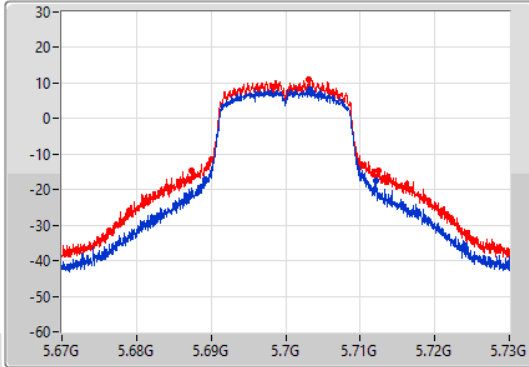
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

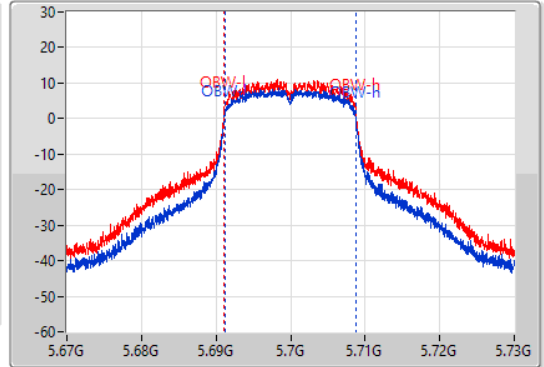
5700MHz

19/08/2022

CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.8M	5.68926G	5.71206G	17.541M	5.691154G	5.708696G	Inf	1
24.96M	5.68746G	5.71242G	17.631M	5.691124G	5.708756G	Inf	2

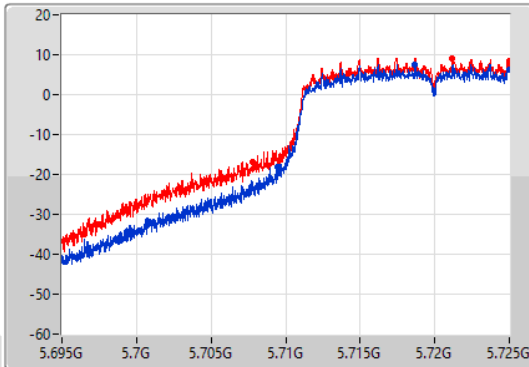
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

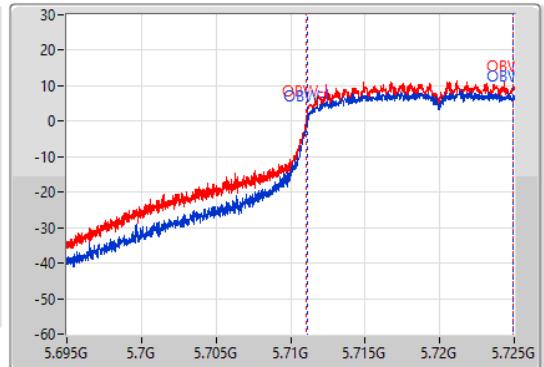
5720MHz Straddle 5.47-5.725GHz

19/08/2022

CF
5.71GHz
Span
30MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.71GHz
Span
30MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



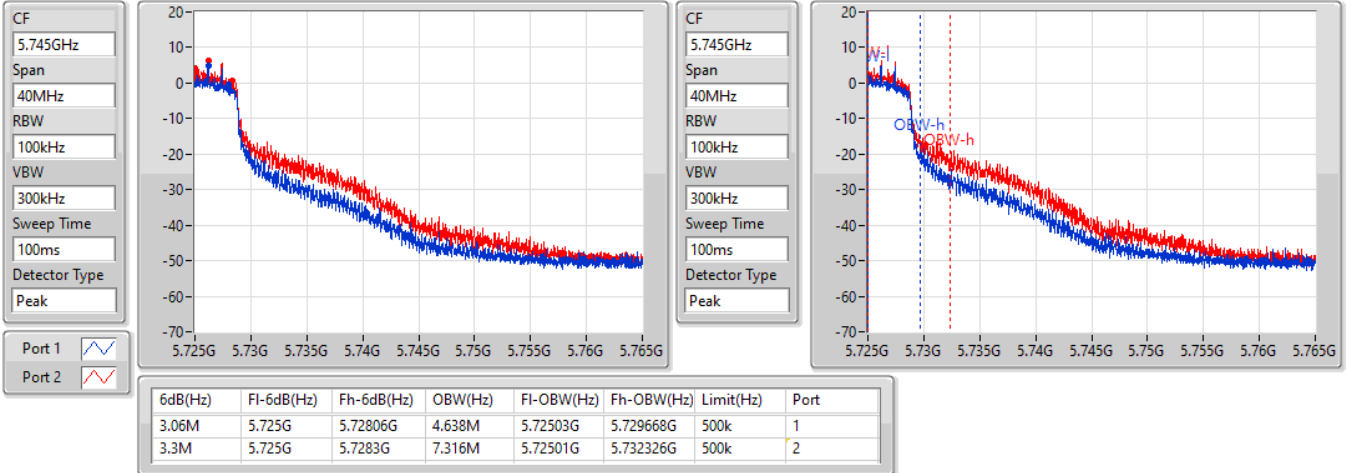
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.51M	5.70949G	5.725G	13.793M	5.711139G	5.724933G	Inf	1
17.205M	5.707795G	5.725G	13.868M	5.711079G	5.724948G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

19/08/2022

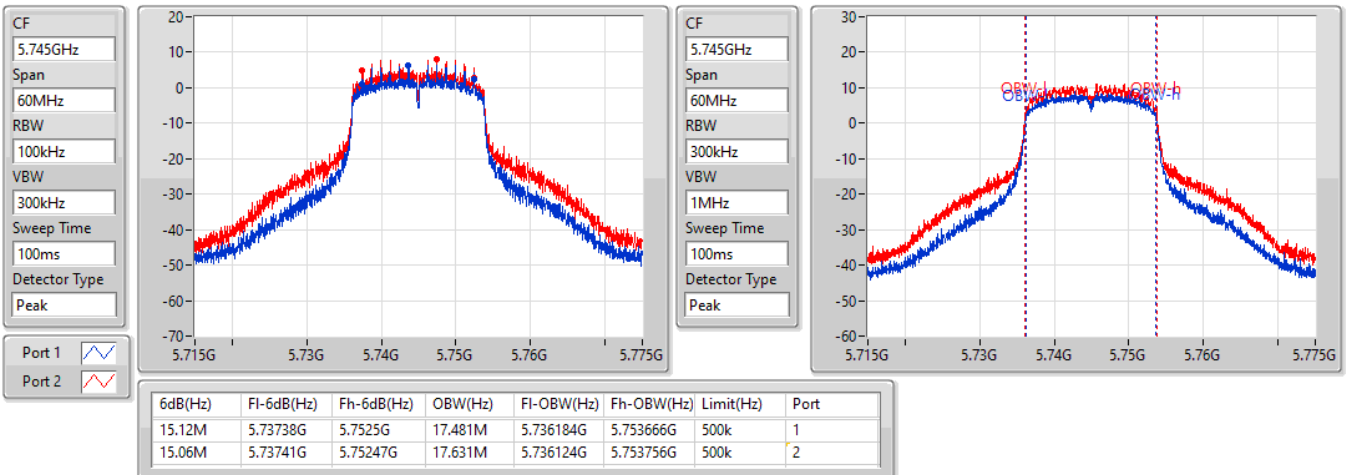


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

19/08/2022



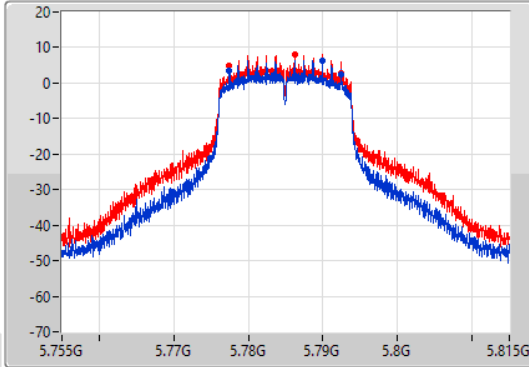
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

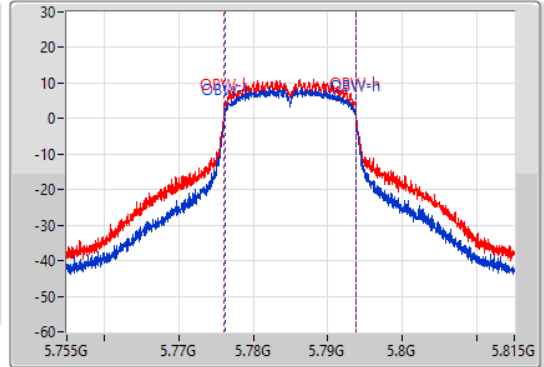
5785MHz

19/08/2022

CF
5.785GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.785GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.03M	5.77747G	5.7925G	17.511M	5.776184G	5.793696G	500k	1
15.06M	5.77741G	5.79247G	17.631M	5.776124G	5.793756G	500k	2

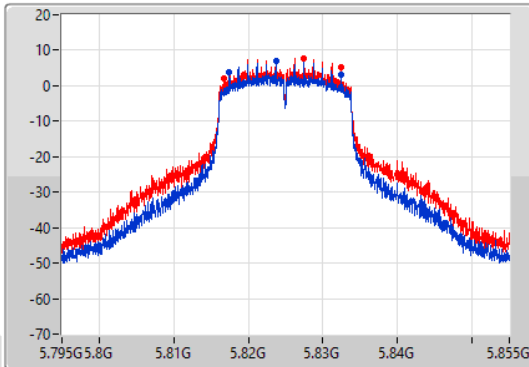
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

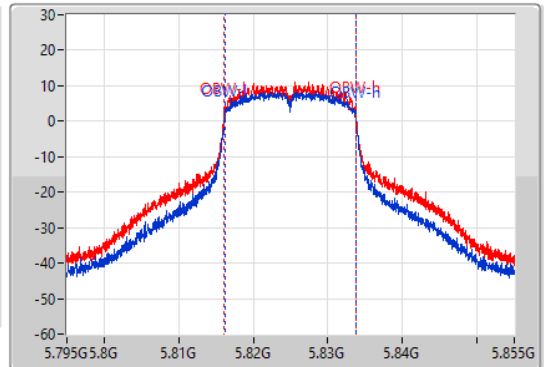
5825MHz

19/08/2022

CF
5.825GHz
Span
60MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.825GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



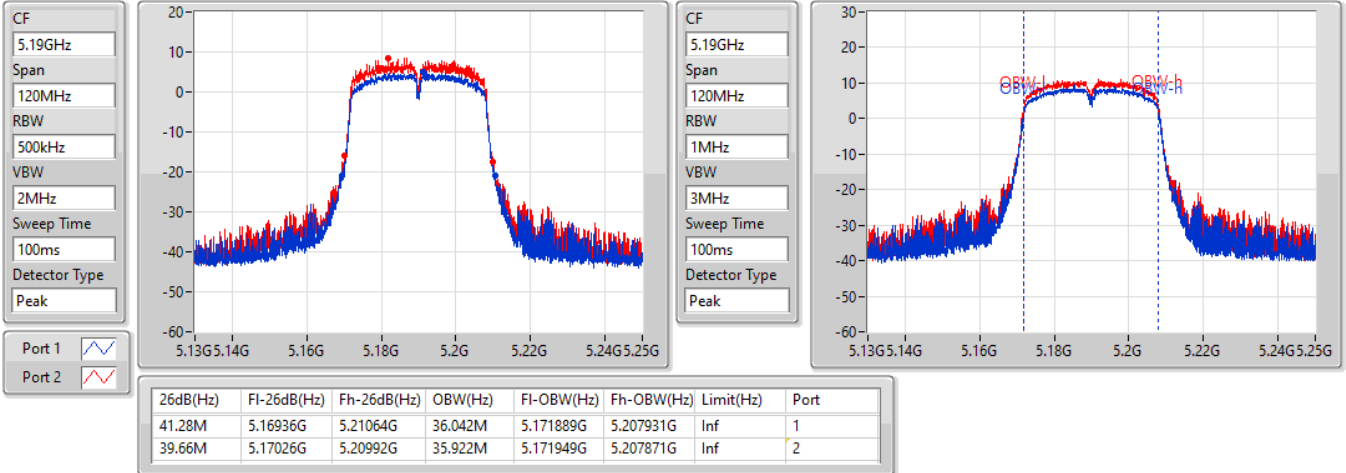
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.03M	5.81744G	5.83247G	17.511M	5.816184G	5.833696G	500k	1
15.66M	5.81681G	5.83247G	17.631M	5.816124G	5.833756G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5190MHz

22/08/2022

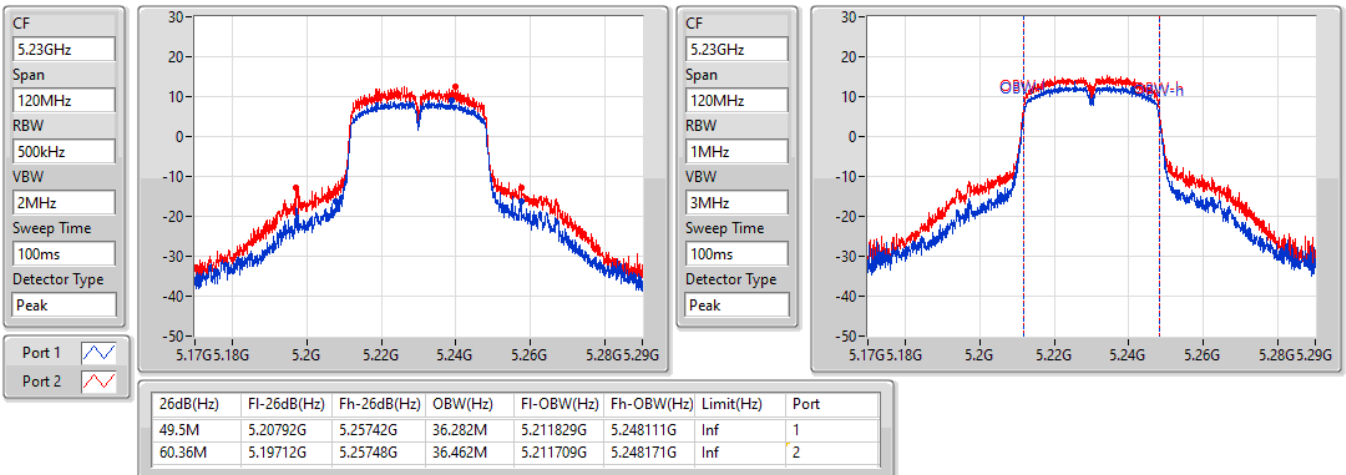


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5230MHz

22/08/2022



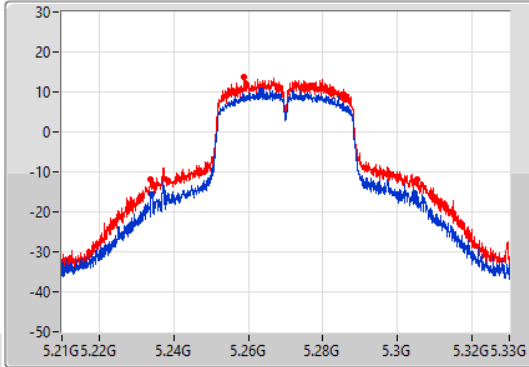
802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

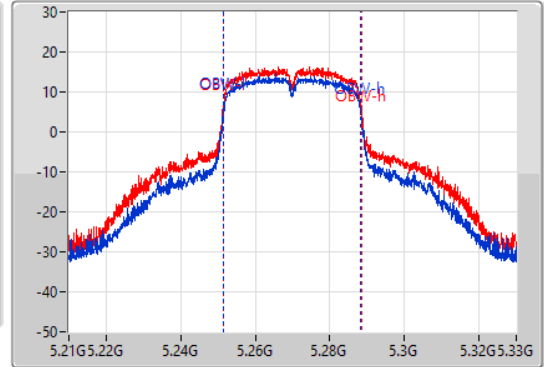
5270MHz

22/08/2022

CF
5.27GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
70.5M	5.234G	5.3045G	36.822M	5.251529G	5.288351G	Inf	1
71.52M	5.23388G	5.3054G	37.421M	5.251289G	5.288711G	Inf	2

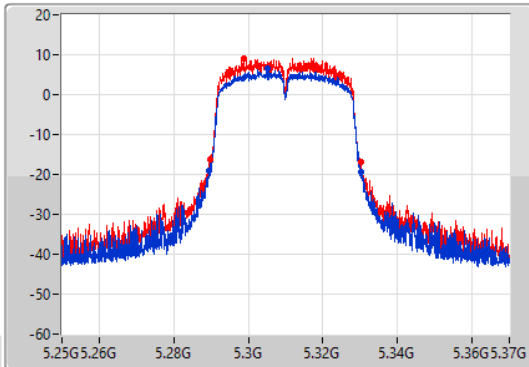
802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

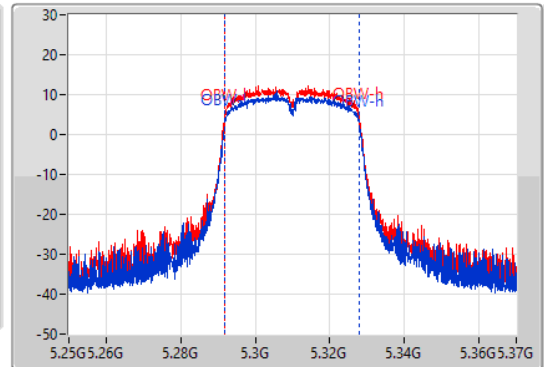
5310MHz

22/08/2022

CF
5.31GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.92M	5.28936G	5.33028G	36.042M	5.291889G	5.327931G	Inf	1
40.44M	5.28966G	5.3301G	35.982M	5.291889G	5.327871G	Inf	2

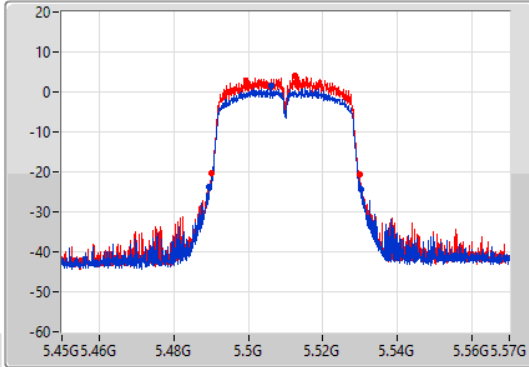
802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

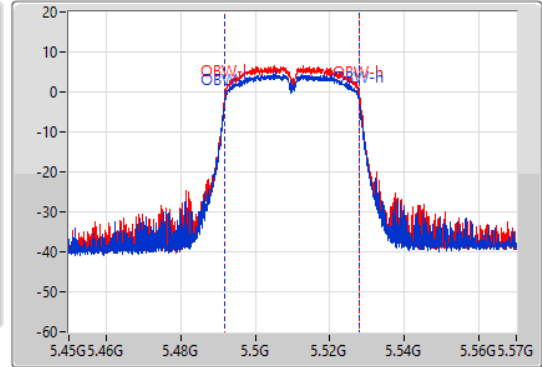
5510MHz

22/08/2022

CF
5.51GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.51GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.68M	5.48948G	5.53016G	35.982M	5.491889G	5.527871G	Inf	1
39.72M	5.49014G	5.52986G	35.922M	5.491949G	5.527871G	Inf	2

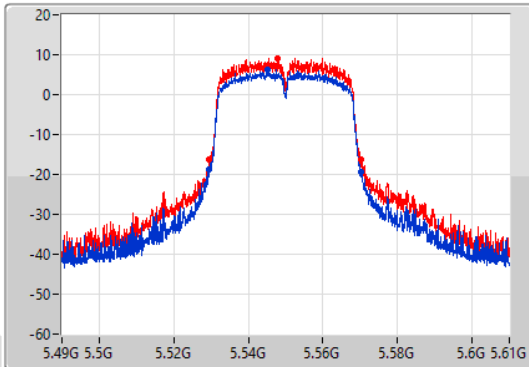
802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

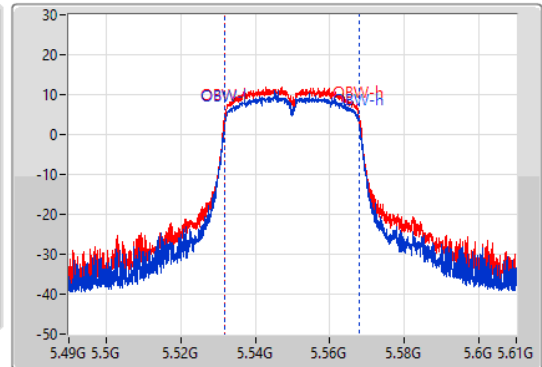
5550MHz

22/08/2022

CF
5.55GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.04M	5.5293G	5.57034G	35.982M	5.531889G	5.567871G	Inf	1
40.56M	5.52954G	5.5701G	36.042M	5.531889G	5.567931G	Inf	2

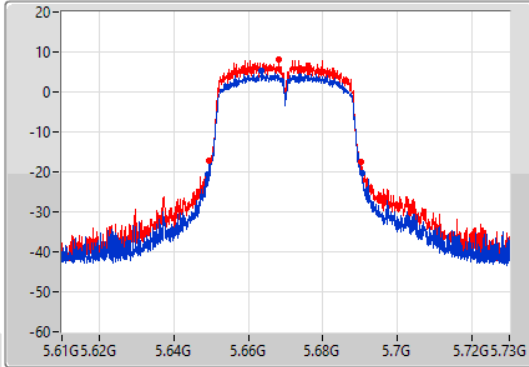
802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

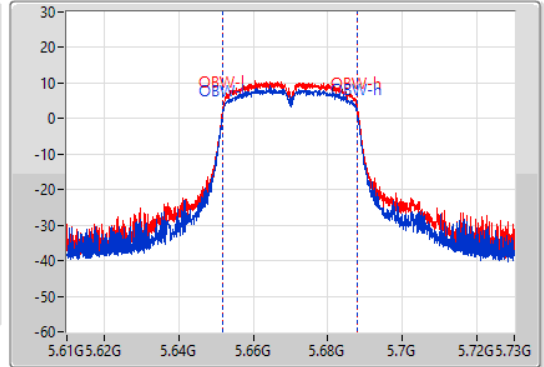
5670MHz

22/08/2022

CF
5.67GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.67GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.4M	5.649G	5.6904G	36.102M	5.651829G	5.687931G	Inf	1
40.74M	5.64948G	5.69022G	36.042M	5.651889G	5.687931G	Inf	2

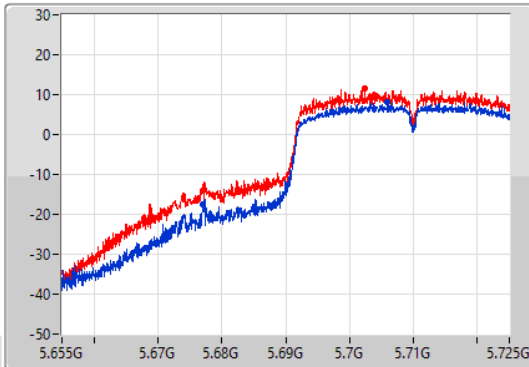
802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

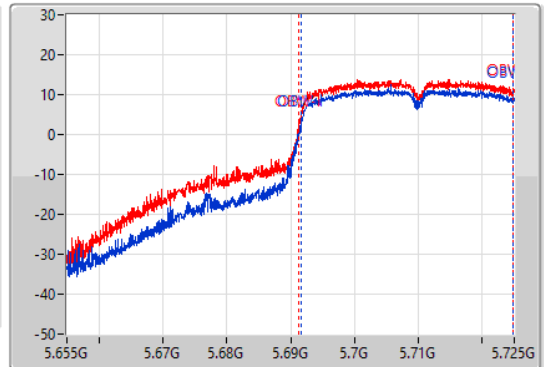
5710MHz Straddle 5.47-5.725GHz

22/08/2022

CF
5.69GHz
Span
70MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.69GHz
Span
70MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



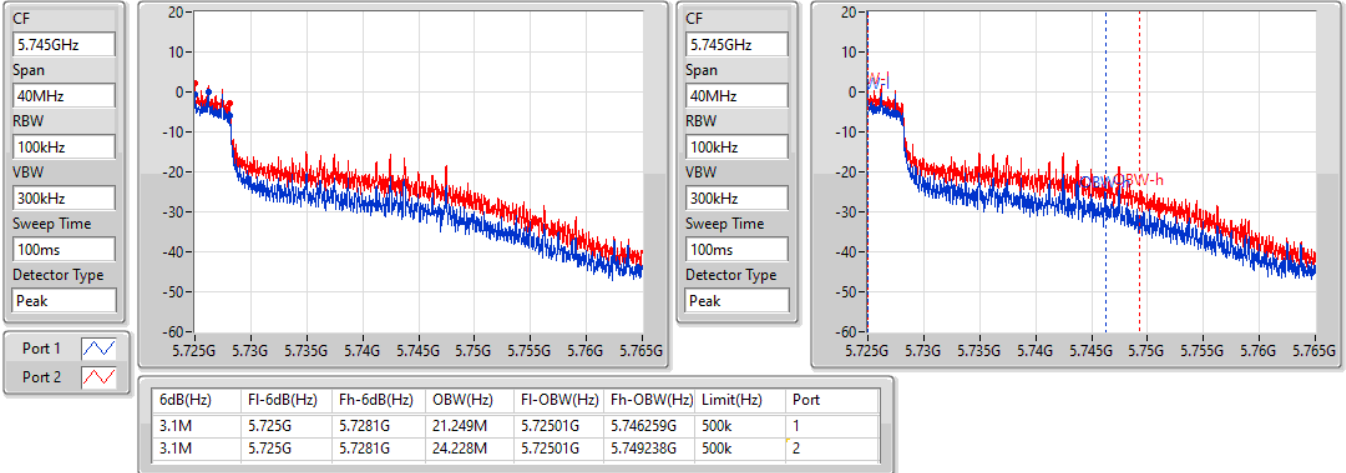
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
47.915M	5.677085G	5.725G	33.093M	5.691679G	5.724773G	Inf	1
48.055M	5.676945G	5.725G	33.513M	5.691259G	5.724773G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

22/08/2022

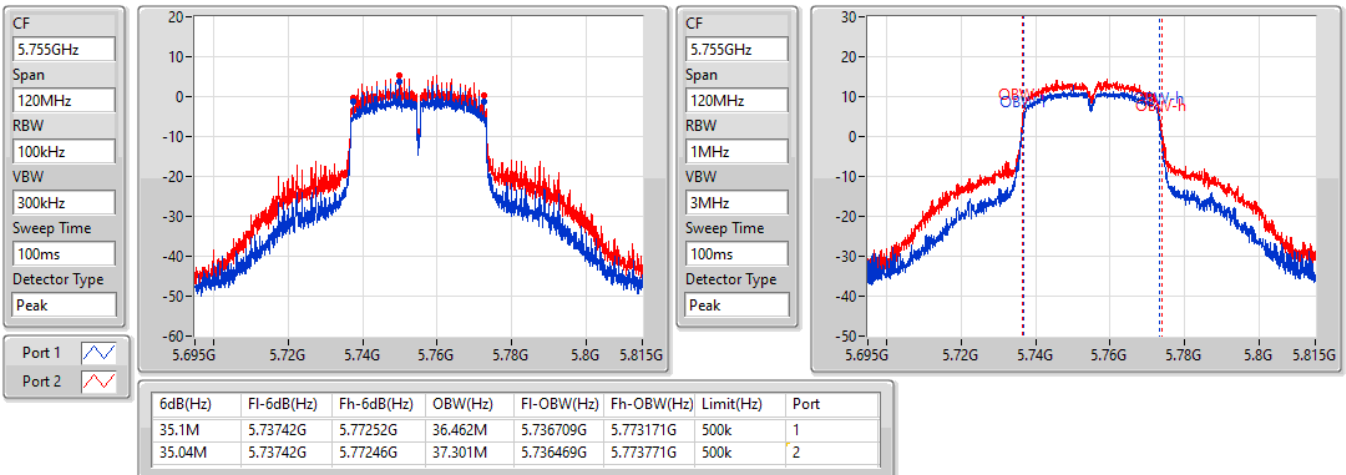


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5755MHz

22/08/2022



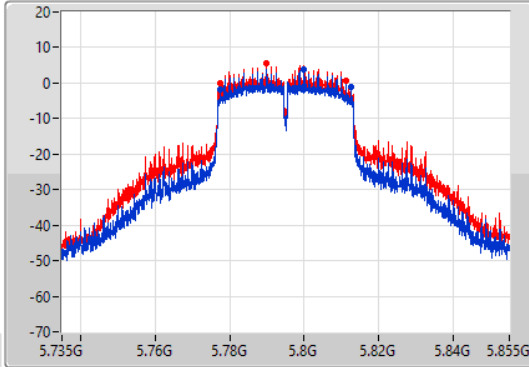
802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

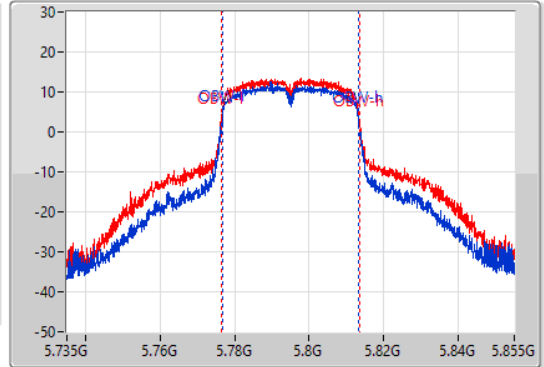
5795MHz

22/08/2022

CF
5.795GHz
Span
120MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.795GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.04M	5.77742G	5.81246G	36.462M	5.776709G	5.813171G	500k	1
33.78M	5.77742G	5.8112G	37.181M	5.776409G	5.813591G	500k	2

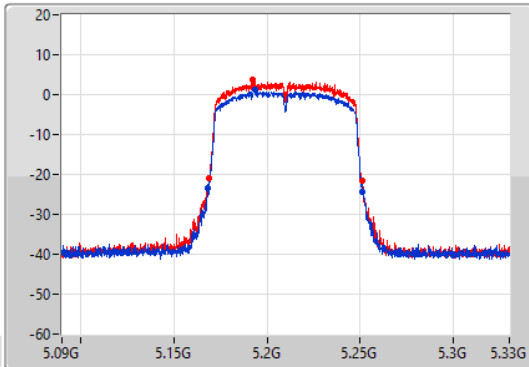
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

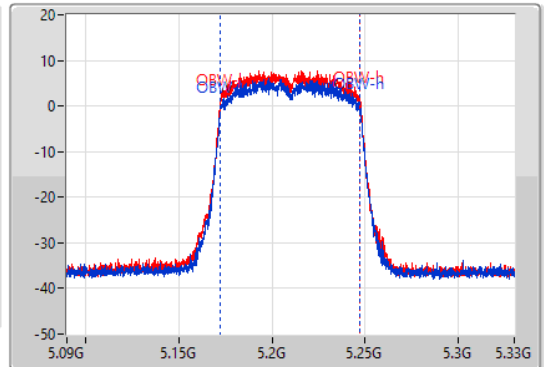
5210MHz

22/08/2022

CF
5.21GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.21GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.16M	5.16824G	5.2514G	75.082M	5.172339G	5.247421G	Inf	1
81.96M	5.16896G	5.25092G	75.082M	5.172339G	5.247421G	Inf	2

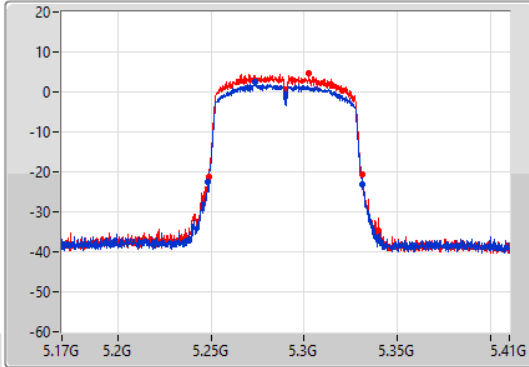
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

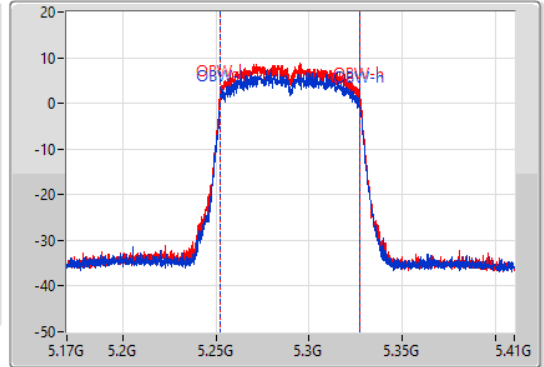
5290MHz

22/08/2022

CF
5.29GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.29GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.68M	5.24848G	5.33116G	75.082M	5.252219G	5.327301G	Inf	1
82.2M	5.24884G	5.33104G	75.082M	5.252219G	5.327301G	Inf	2

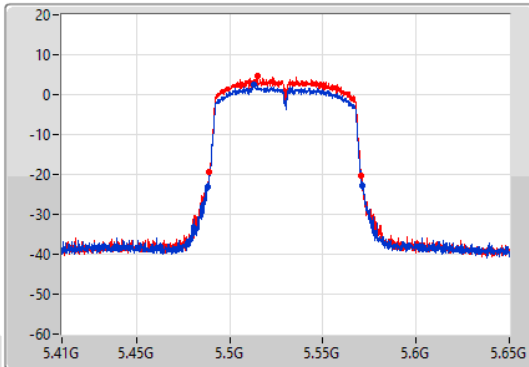
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

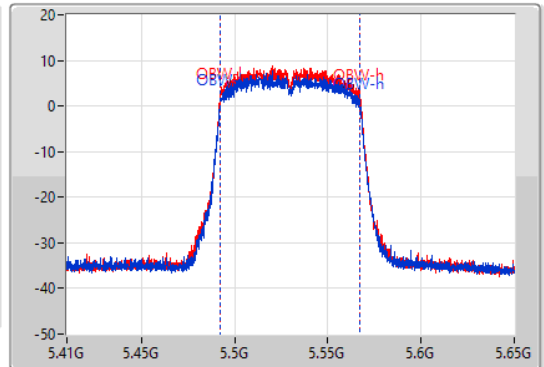
5530MHz

22/08/2022

CF
5.53GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.04M	5.48812G	5.57116G	75.322M	5.492099G	5.567421G	Inf	1
81.84M	5.48872G	5.57056G	75.202M	5.492219G	5.567421G	Inf	2

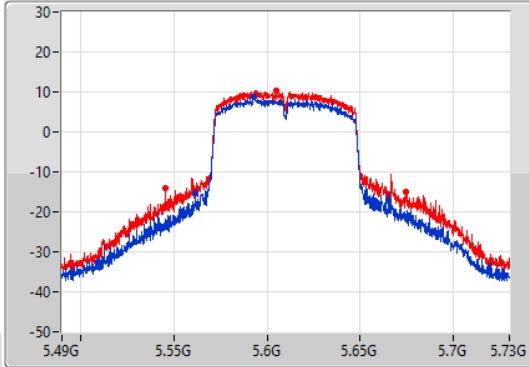
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

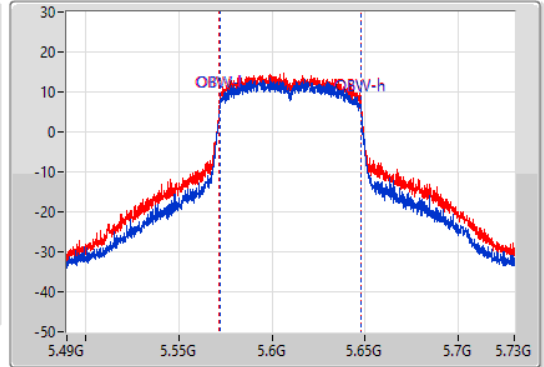
5610MHz

22/08/2022

CF
5.61GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
103.68M	5.56176G	5.66544G	75.682M	5.571979G	5.647661G	Inf	1
129M	5.54544G	5.67444G	76.282M	5.571739G	5.648021G	Inf	2

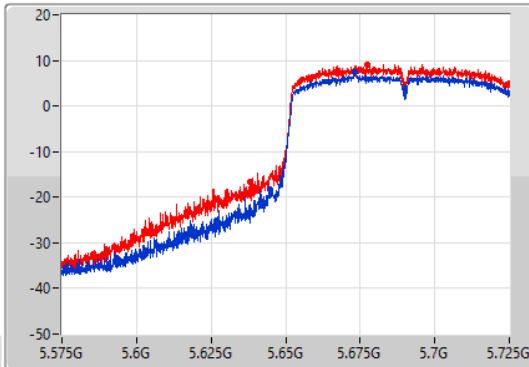
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

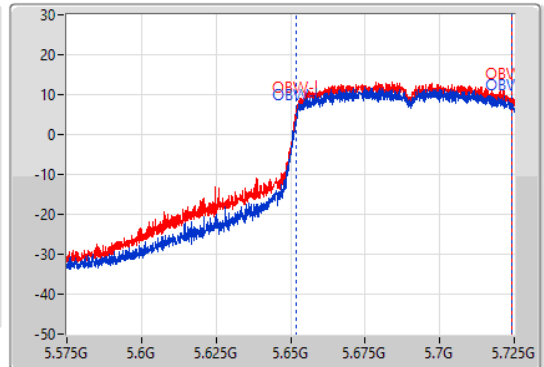
5690MHz Straddle 5.47-5.725GHz

22/08/2022

CF
5.65GHz
Span
150MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.65GHz
Span
150MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



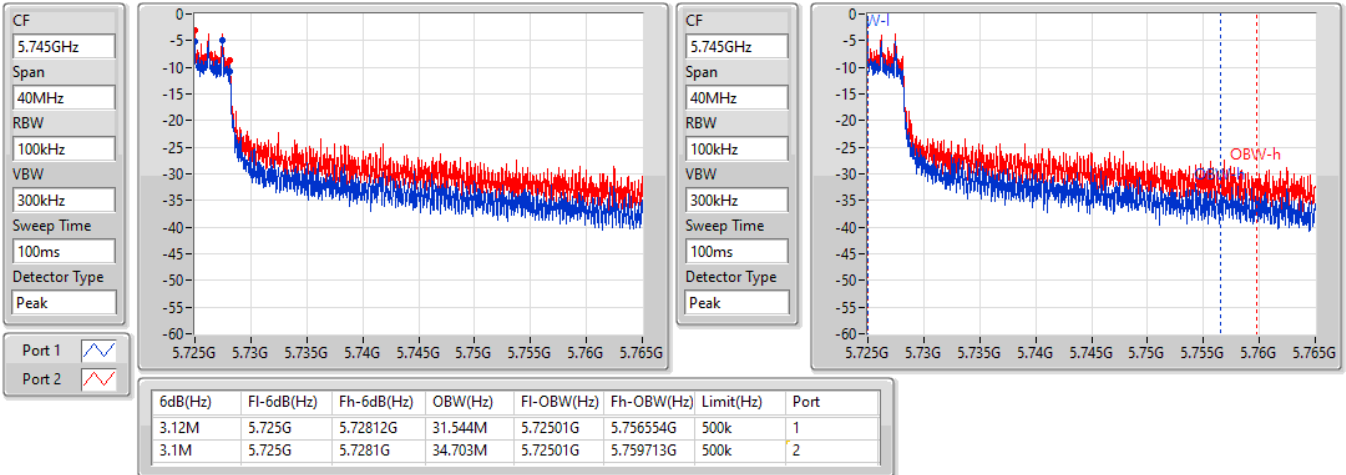
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.325M	5.644675G	5.725G	72.339M	5.652024G	5.724363G	Inf	1
87M	5.638G	5.725G	72.489M	5.651874G	5.724363G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

22/08/2022

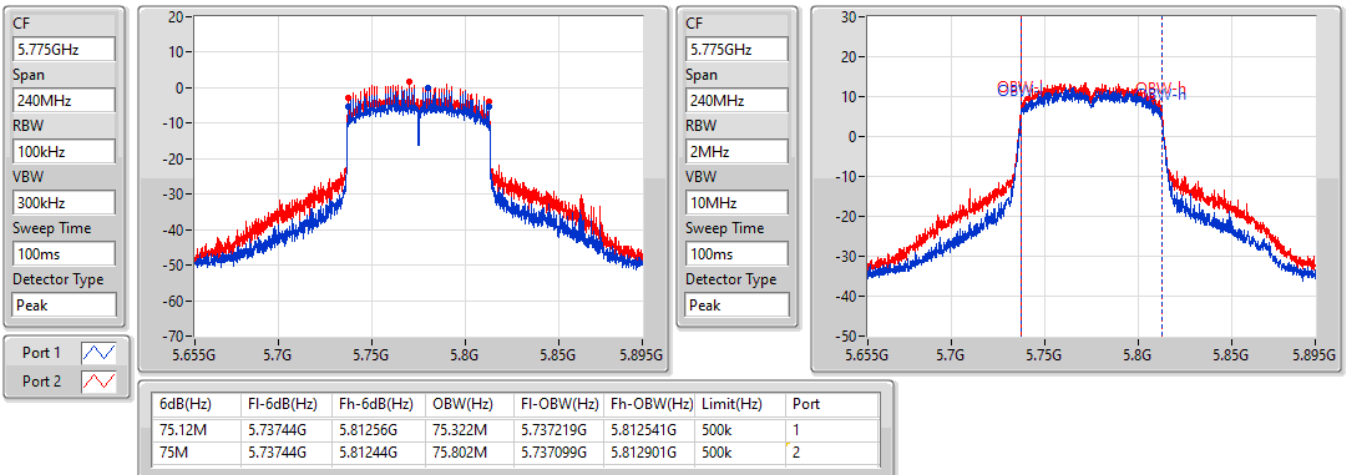


802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

22/08/2022





Summary

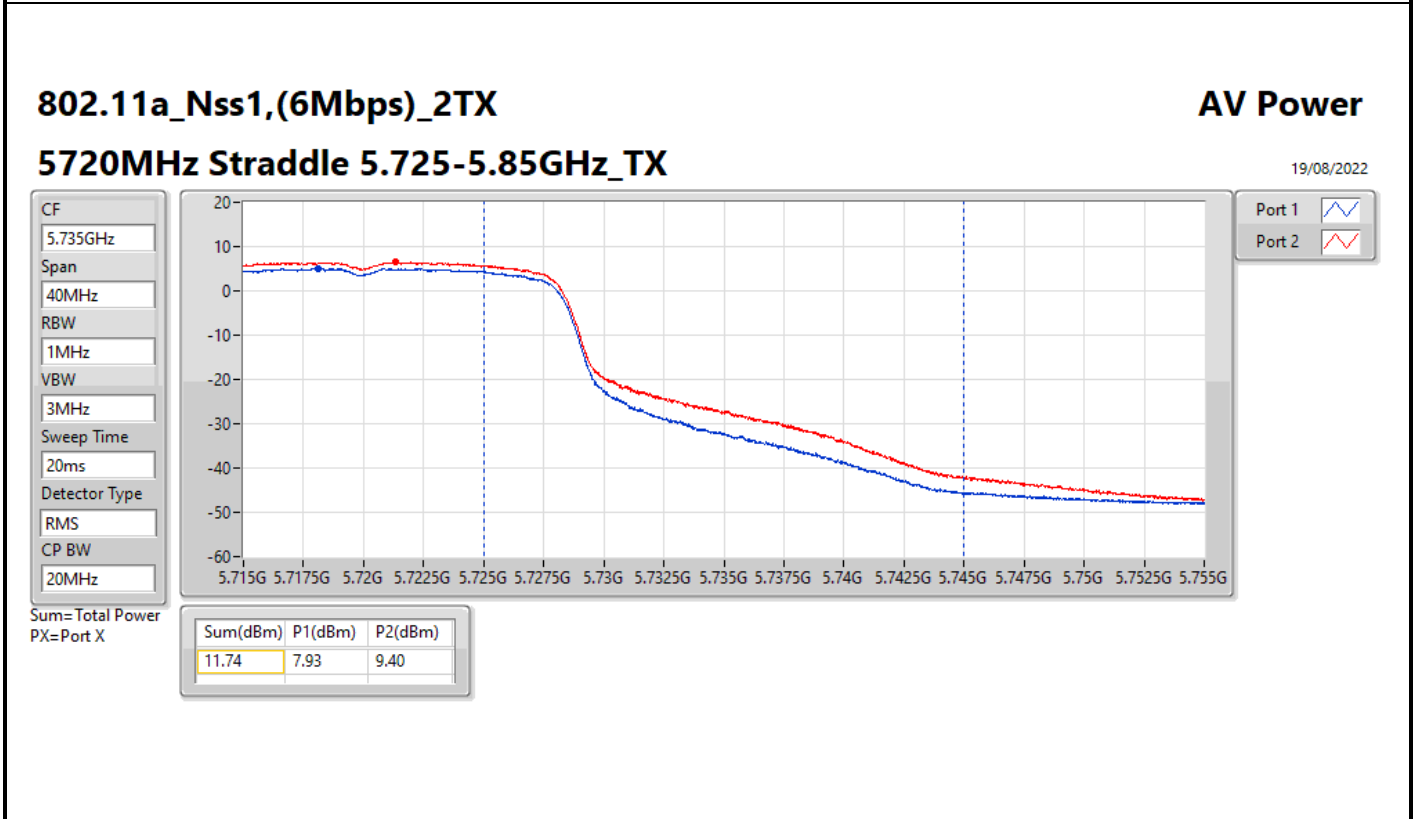
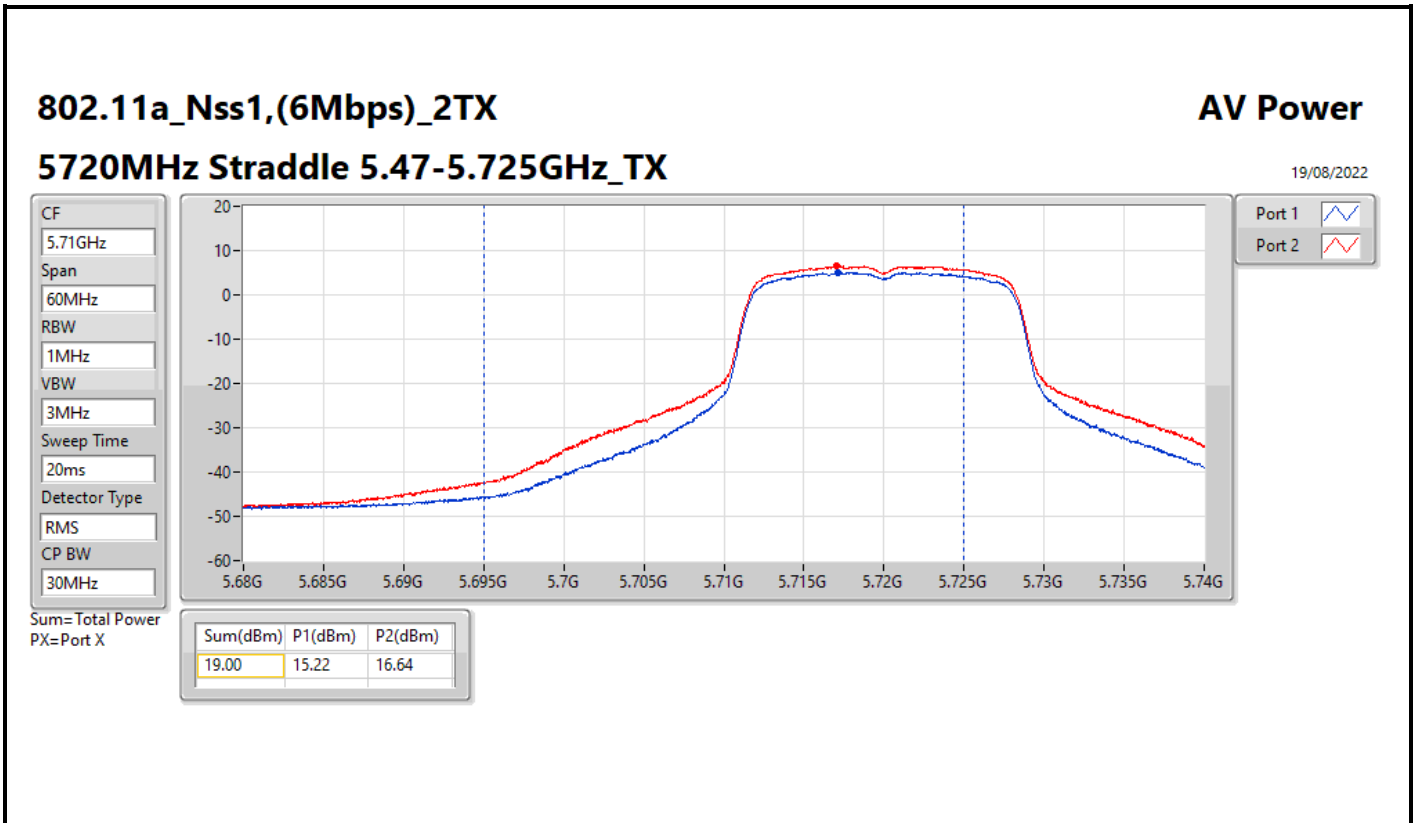
Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.84	0.19231	25.40	0.34674
802.11ac VHT20_Nss1,(MCS0)_2TX	22.74	0.18793	25.30	0.33884
802.11ac VHT40_Nss1,(MCS0)_2TX	22.38	0.17298	24.94	0.31189
802.11ac VHT80_Nss1,(MCS0)_2TX	13.87	0.02438	16.43	0.04395
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.85	0.19275	25.41	0.34754
802.11ac VHT20_Nss1,(MCS0)_2TX	22.74	0.18793	25.30	0.33884
802.11ac VHT40_Nss1,(MCS0)_2TX	23.37	0.21727	25.93	0.39174
802.11ac VHT80_Nss1,(MCS0)_2TX	14.85	0.03055	17.41	0.05508
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.83	0.12106	23.39	0.21827
802.11ac VHT20_Nss1,(MCS0)_2TX	21.60	0.14454	24.16	0.26062
802.11ac VHT40_Nss1,(MCS0)_2TX	20.49	0.11194	23.05	0.20184
802.11ac VHT80_Nss1,(MCS0)_2TX	20.66	0.11641	23.22	0.20989
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.75	0.11885	23.31	0.21429
802.11ac VHT20_Nss1,(MCS0)_2TX	20.64	0.11588	23.20	0.20893
802.11ac VHT40_Nss1,(MCS0)_2TX	21.03	0.12677	23.59	0.22856
802.11ac VHT80_Nss1,(MCS0)_2TX	19.69	0.09311	22.25	0.16788



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.56	17.15	18.71	21.01	23.98	23.57	30.00
5200MHz	Pass	2.56	18.77	20.44	22.70	23.98	25.26	30.00
5240MHz	Pass	2.56	18.90	20.59	22.84	23.98	25.40	30.00
5260MHz	Pass	2.56	18.90	20.61	22.85	23.98	25.41	26.99
5300MHz	Pass	2.56	19.00	20.17	22.63	23.98	25.19	26.99
5320MHz	Pass	2.56	17.15	18.62	20.96	23.98	23.52	26.99
5500MHz	Pass	2.56	16.96	18.39	20.74	23.98	23.30	26.99
5580MHz	Pass	2.56	17.09	18.44	20.83	23.98	23.39	26.99
5700MHz	Pass	2.56	16.73	18.26	20.57	23.98	23.13	26.99
5720MHz Straddle 5.47-5.725GHz	Pass	2.56	15.22	16.64	19.00	22.79	21.56	26.99
5720MHz Straddle 5.725-5.85GHz	Pass	2.56	7.93	9.40	11.74	30.00	14.30	36.00
5745MHz	Pass	2.56	16.83	18.43	20.71	30.00	23.27	36.00
5785MHz	Pass	2.56	16.89	18.45	20.75	30.00	23.31	36.00
5825MHz	Pass	2.56	16.19	17.17	19.72	30.00	22.28	36.00
802.11ac VHT20_Nss1,(MCSO)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.56	14.90	16.58	18.83	23.98	21.39	30.00
5200MHz	Pass	2.56	18.60	20.27	22.53	23.98	25.09	30.00
5240MHz	Pass	2.56	18.76	20.53	22.74	23.98	25.30	30.00
5260MHz	Pass	2.56	18.81	20.49	22.74	23.98	25.30	26.99
5300MHz	Pass	2.56	18.93	20.39	22.73	23.98	25.29	26.99
5320MHz	Pass	2.56	15.99	17.47	19.80	23.98	22.36	26.99
5500MHz	Pass	2.56	17.81	19.25	21.60	23.98	24.16	26.99
5580MHz	Pass	2.56	17.68	19.19	21.51	23.98	24.07	26.99
5700MHz	Pass	2.56	16.57	18.27	20.51	23.98	23.07	26.99
5720MHz Straddle 5.47-5.725GHz	Pass	2.56	15.86	17.45	19.74	22.91	22.30	26.99
5720MHz Straddle 5.725-5.85GHz	Pass	2.56	8.95	10.56	12.84	30.00	15.40	36.00
5745MHz	Pass	2.56	16.66	18.29	20.56	30.00	23.12	36.00
5785MHz	Pass	2.56	16.77	18.35	20.64	30.00	23.20	36.00
5825MHz	Pass	2.56	16.80	18.00	20.45	30.00	23.01	36.00
802.11ac VHT40_Nss1,(MCSO)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.56	14.52	16.08	18.38	23.98	20.94	30.00
5230MHz	Pass	2.56	18.43	20.15	22.38	23.98	24.94	30.00
5270MHz	Pass	2.56	19.41	21.14	23.37	23.98	25.93	26.99
5310MHz	Pass	2.56	15.39	16.92	19.23	23.98	21.79	26.99
5510MHz	Pass	2.56	10.24	11.67	14.02	23.98	16.58	26.99
5550MHz	Pass	2.56	15.12	16.72	19.00	23.98	21.56	26.99
5670MHz	Pass	2.56	14.17	15.58	17.94	23.98	20.50	26.99
5710MHz Straddle 5.47-5.725GHz	Pass	2.56	16.56	18.23	20.49	23.98	23.05	26.99
5710MHz Straddle 5.725-5.85GHz	Pass	2.56	4.30	6.11	8.31	30.00	10.87	36.00
5755MHz	Pass	2.56	17.08	18.79	21.03	30.00	23.59	36.00
5795MHz	Pass	2.56	17.20	18.56	20.94	30.00	23.50	36.00
802.11ac VHT80_Nss1,(MCSO)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.56	10.02	11.57	13.87	23.98	16.43	30.00
5290MHz	Pass	2.56	10.92	12.60	14.85	23.98	17.41	26.99
5530MHz	Pass	2.56	10.93	12.37	14.72	23.98	17.28	26.99
5610MHz	Pass	2.56	16.82	18.34	20.66	23.98	23.22	26.99
5690MHz Straddle 5.47-5.725GHz	Pass	2.56	15.54	17.00	19.34	23.98	21.90	26.99
5690MHz Straddle 5.725-5.85GHz	Pass	2.56	-0.87	0.55	2.91	30.00	5.47	36.00
5775MHz	Pass	2.56	15.88	17.36	19.69	30.00	22.25	36.00

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

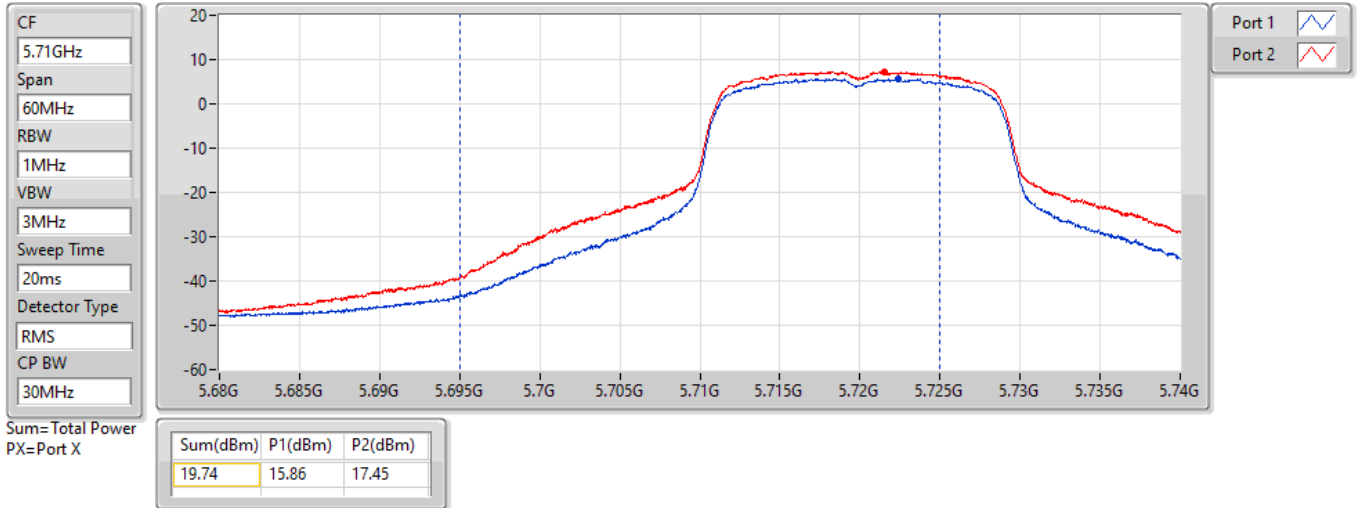


802.11ac VHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

19/08/2022

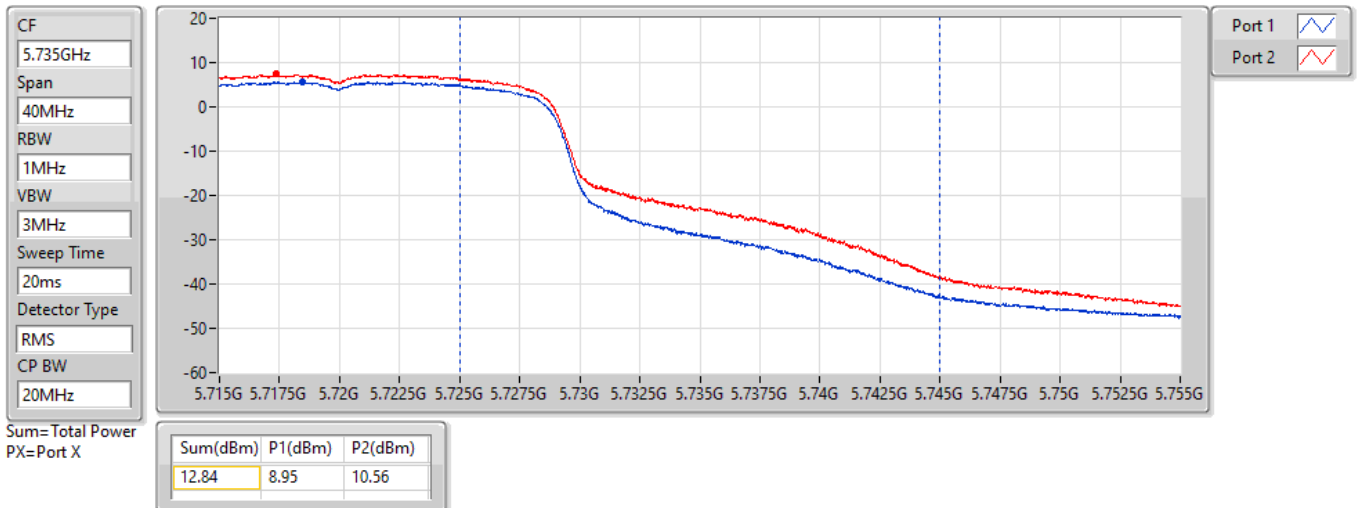


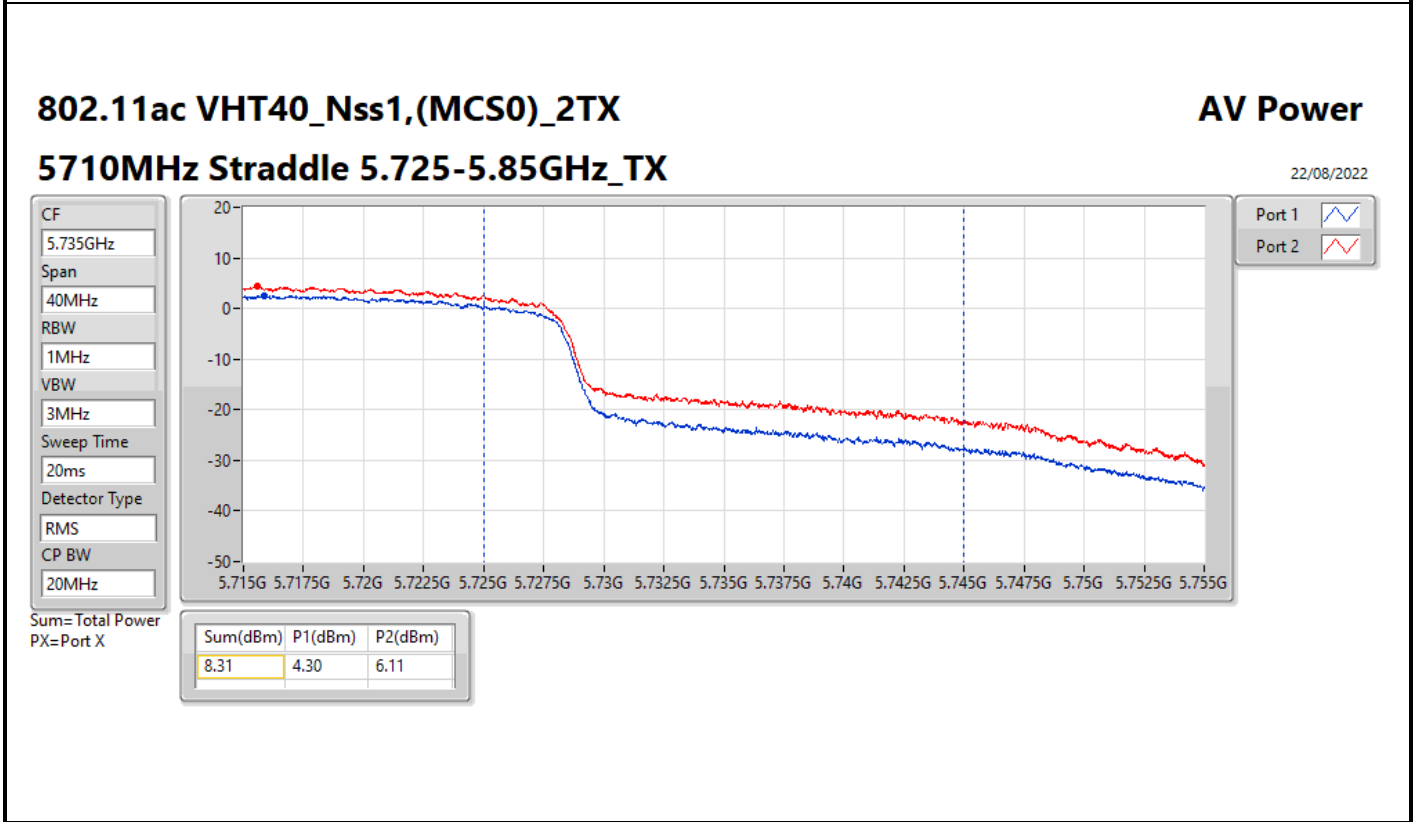
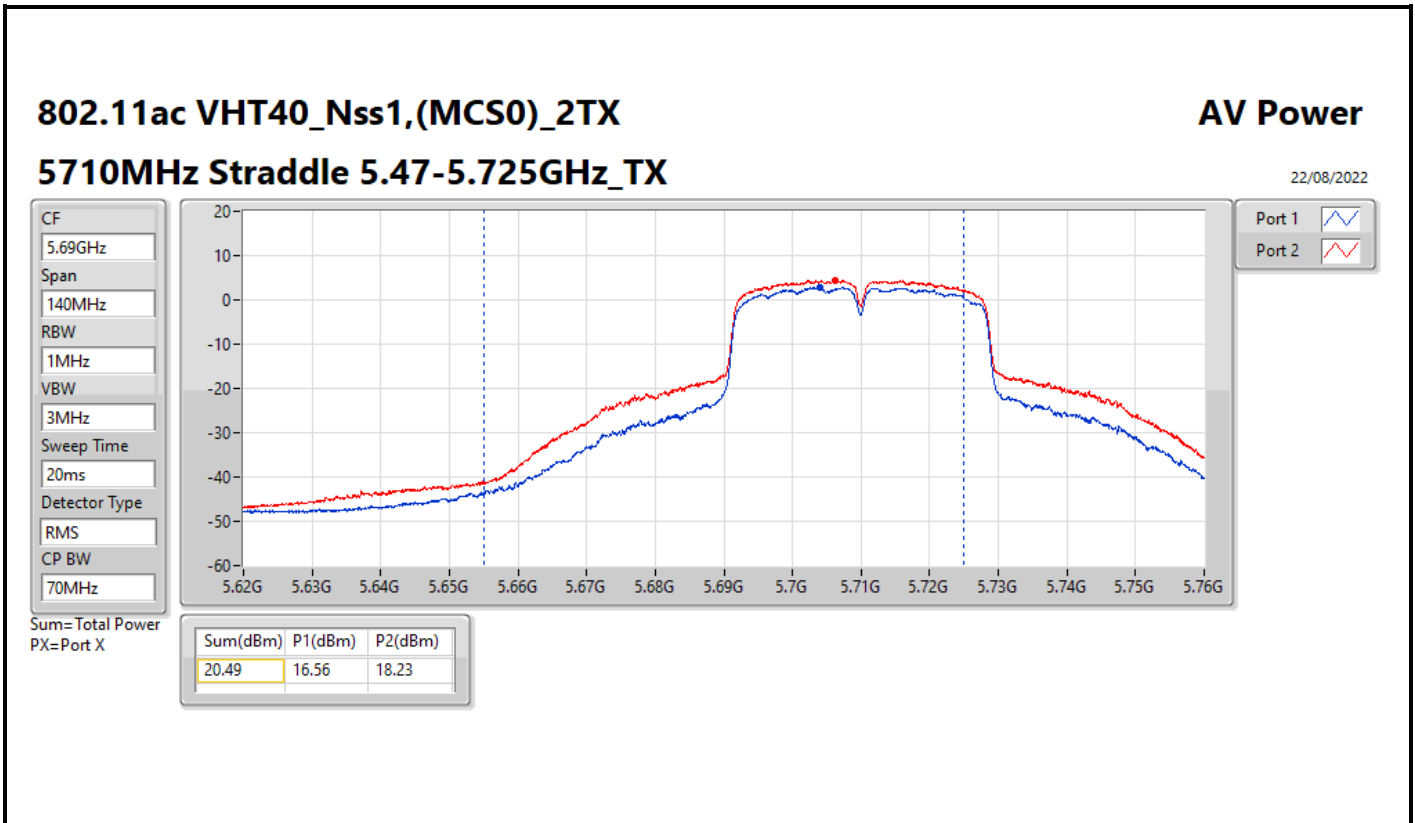
802.11ac VHT20_Nss1,(MCS0)_2TX

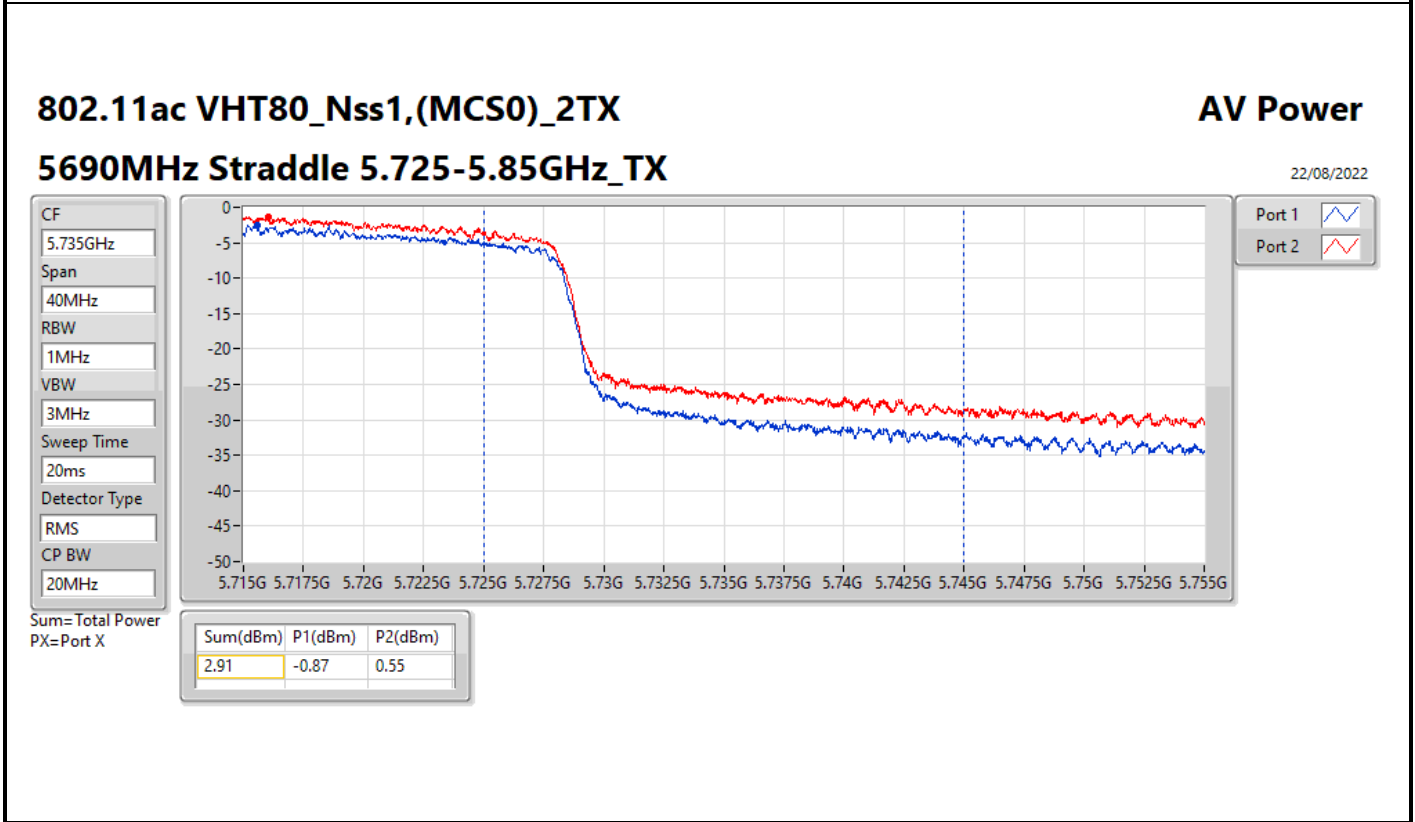
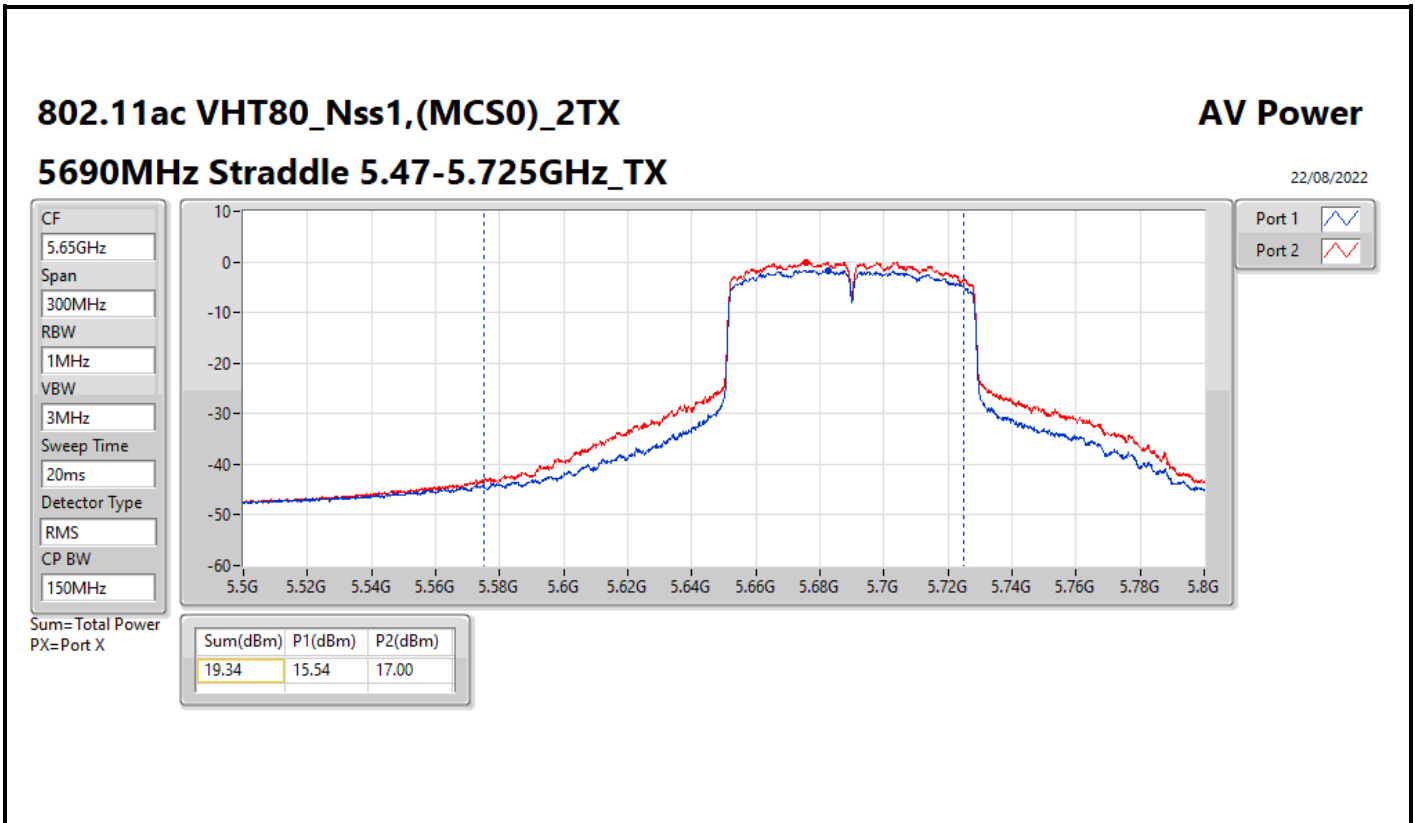
AV Power

5720MHz Straddle 5.725-5.85GHz_TX

19/08/2022







Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.54	16.11
802.11ac VHT20_Nss1,(MCS0)_2TX	10.21	15.78
802.11ac VHT40_Nss1,(MCS0)_2TX	6.50	12.07
802.11ac VHT80_Nss1,(MCS0)_2TX	-4.94	0.63
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.50	16.07
802.11ac VHT20_Nss1,(MCS0)_2TX	10.30	15.87
802.11ac VHT40_Nss1,(MCS0)_2TX	7.74	13.31
802.11ac VHT80_Nss1,(MCS0)_2TX	-3.76	1.81
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.64	14.21
802.11ac VHT20_Nss1,(MCS0)_2TX	9.30	14.87
802.11ac VHT40_Nss1,(MCS0)_2TX	5.10	10.67
802.11ac VHT80_Nss1,(MCS0)_2TX	2.26	7.83
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	6.83	12.40
802.11ac VHT20_Nss1,(MCS0)_2TX	6.68	12.25
802.11ac VHT40_Nss1,(MCS0)_2TX	3.83	9.40
802.11ac VHT80_Nss1,(MCS0)_2TX	-0.36	5.21

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.57	4.85	6.54	8.77	11.00	14.34	17.00
5200MHz	Pass	5.57	6.56	8.13	10.39	11.00	15.96	17.00
5240MHz	Pass	5.57	6.66	8.26	10.54	11.00	16.11	17.00
5260MHz	Pass	5.57	6.59	8.26	10.50	11.00	16.07	17.00
5300MHz	Pass	5.57	6.75	8.21	10.47	11.00	16.04	17.00
5320MHz	Pass	5.57	4.80	6.35	8.63	11.00	14.20	17.00
5500MHz	Pass	5.57	4.77	6.20	8.50	11.00	14.07	17.00
5580MHz	Pass	5.57	4.87	6.29	8.64	11.00	14.21	17.00
5700MHz	Pass	5.57	4.49	6.02	8.26	11.00	13.83	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.57	3.52	4.92	7.26	11.00	12.83	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.57	1.27	2.52	4.86	30.00	10.43	36.00
5745MHz	Pass	5.57	2.96	4.55	6.80	30.00	12.37	36.00
5785MHz	Pass	5.57	3.09	4.54	6.83	30.00	12.40	36.00
5825MHz	Pass	5.57	2.24	3.23	5.71	30.00	11.28	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.57	2.54	4.25	6.39	11.00	11.96	17.00
5200MHz	Pass	5.57	6.20	8.08	10.14	11.00	15.71	17.00
5240MHz	Pass	5.57	6.46	8.14	10.21	11.00	15.78	17.00
5260MHz	Pass	5.57	6.31	8.17	10.30	11.00	15.87	17.00
5300MHz	Pass	5.57	6.38	8.01	10.19	11.00	15.76	17.00
5320MHz	Pass	5.57	3.46	5.07	7.28	11.00	12.85	17.00
5500MHz	Pass	5.57	5.55	7.02	9.23	11.00	14.80	17.00
5580MHz	Pass	5.57	5.72	6.94	9.30	11.00	14.87	17.00
5700MHz	Pass	5.57	4.17	5.78	8.02	11.00	13.59	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.57	4.30	5.72	8.01	11.00	13.58	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.57	1.59	3.42	5.57	30.00	11.14	36.00
5745MHz	Pass	5.57	2.74	4.37	6.59	30.00	12.16	36.00
5785MHz	Pass	5.57	2.91	4.50	6.68	30.00	12.25	36.00
5825MHz	Pass	5.57	2.82	4.13	6.43	30.00	12.00	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.57	-1.17	0.34	2.51	11.00	8.08	17.00
5230MHz	Pass	5.57	2.70	4.36	6.50	11.00	12.07	17.00
5270MHz	Pass	5.57	3.84	5.57	7.74	11.00	13.31	17.00
5310MHz	Pass	5.57	-0.42	1.21	3.35	11.00	8.92	17.00
5510MHz	Pass	5.57	-5.46	-4.09	-1.87	11.00	3.70	17.00
5550MHz	Pass	5.57	-0.27	1.32	3.43	11.00	9.00	17.00
5670MHz	Pass	5.57	-1.56	-0.14	2.04	11.00	7.61	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.57	1.24	2.98	5.10	11.00	10.67	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.57	-2.38	-0.59	1.52	30.00	7.09	36.00
5755MHz	Pass	5.57	0.01	1.71	3.70	30.00	9.27	36.00
5795MHz	Pass	5.57	0.04	1.57	3.83	30.00	9.40	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.57	-8.57	-7.05	-4.94	11.00	0.63	17.00
5290MHz	Pass	5.57	-7.66	-5.88	-3.76	11.00	1.81	17.00
5530MHz	Pass	5.57	-7.62	-6.23	-4.05	11.00	1.52	17.00
5610MHz	Pass	5.57	-1.51	-0.02	2.26	11.00	7.83	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.57	-2.98	-1.53	0.66	11.00	6.23	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.57	-7.81	-6.33	-4.03	30.00	1.54	36.00
5775MHz	Pass	5.57	-4.03	-2.63	-0.36	30.00	5.21	36.00

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

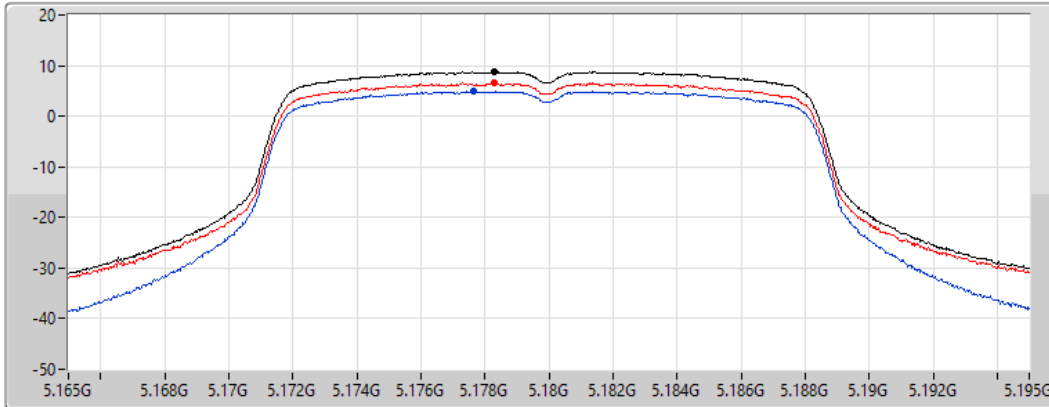
802.11a_Nss1,(6Mbps)_2TX




PSD

5180MHz

19/08/2022

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.77	8.77	4.85	6.54

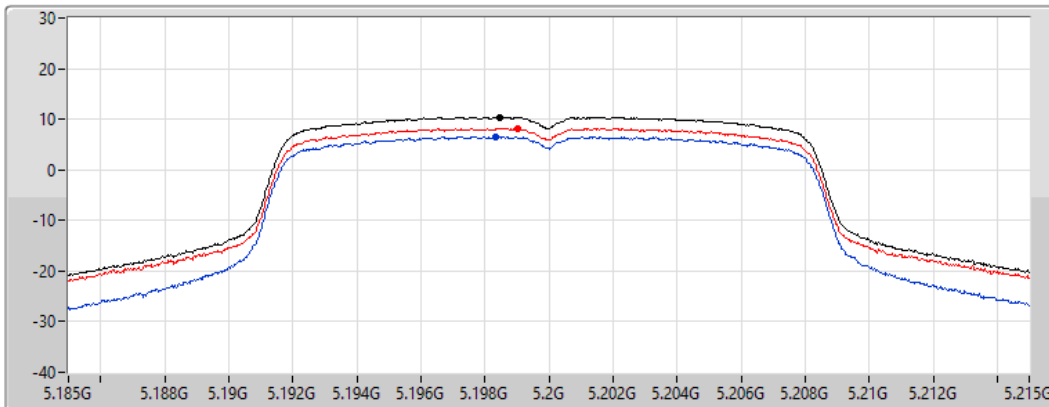
802.11a_Nss1,(6Mbps)_2TX




PSD

5200MHz

19/08/2022

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.39	10.39	6.56	8.13

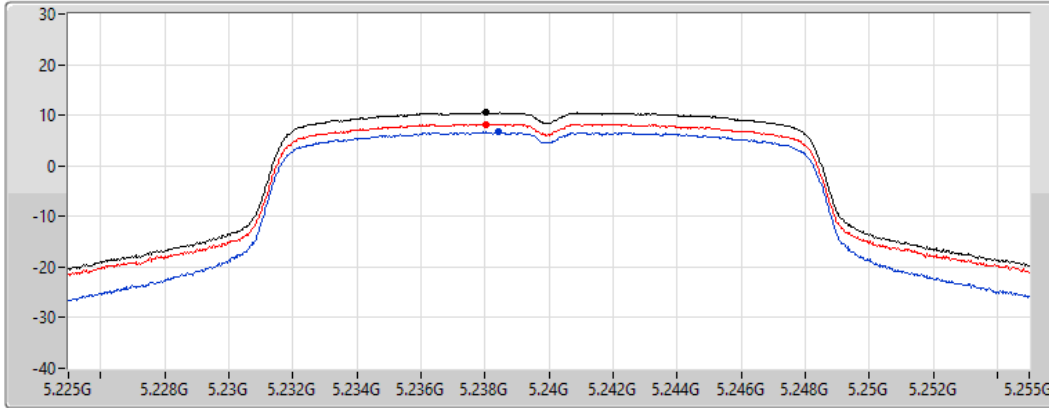
802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

19/08/2022

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.54	10.54	6.66	8.26

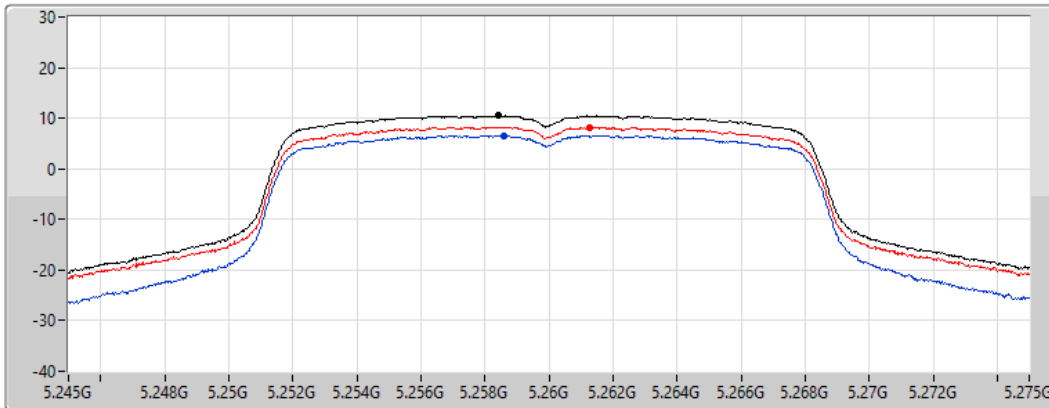
802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

19/08/2022

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.50	10.50	6.59	8.26

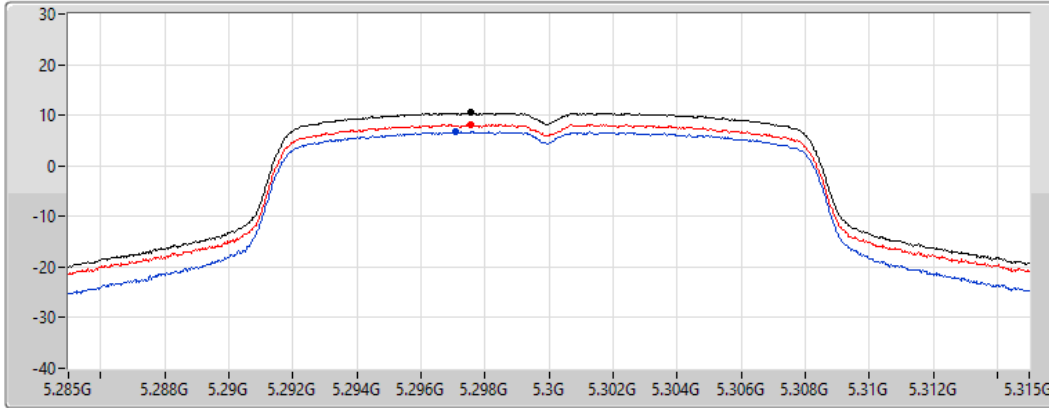
802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

19/08/2022

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.47	10.47	6.75	8.21

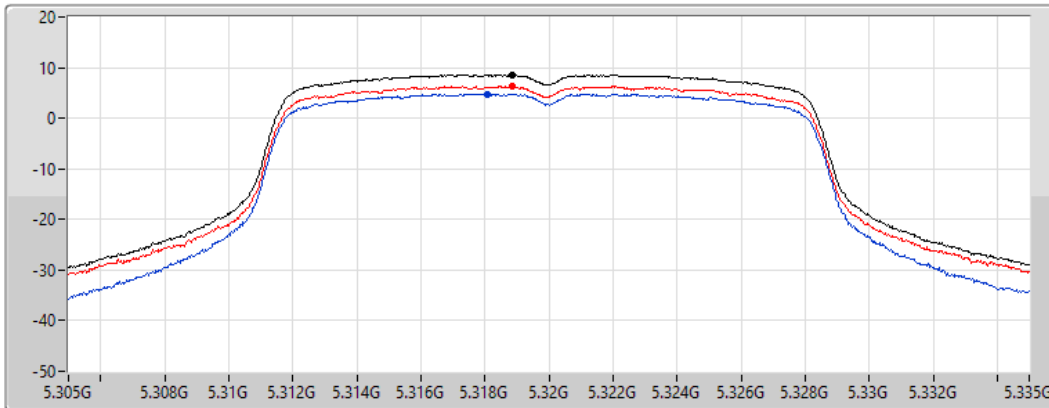
802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

19/08/2022

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.63	8.63	4.80	6.35

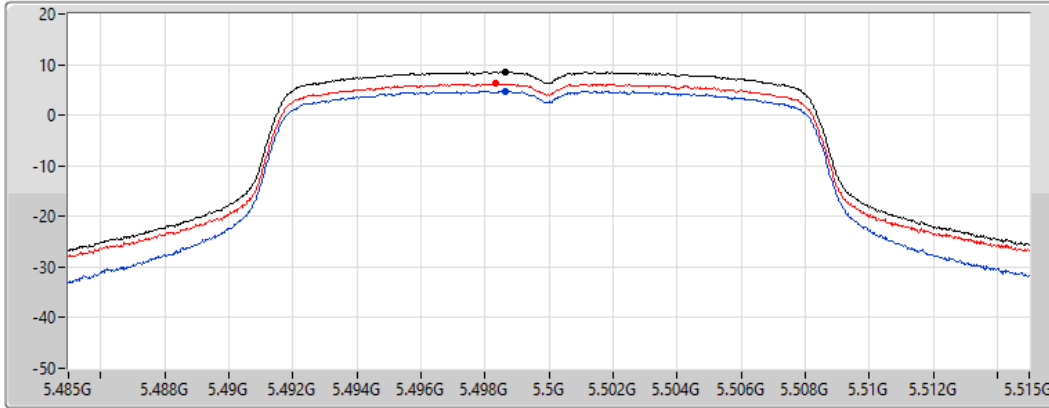
802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

19/08/2022

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.50	8.50	4.77	6.20

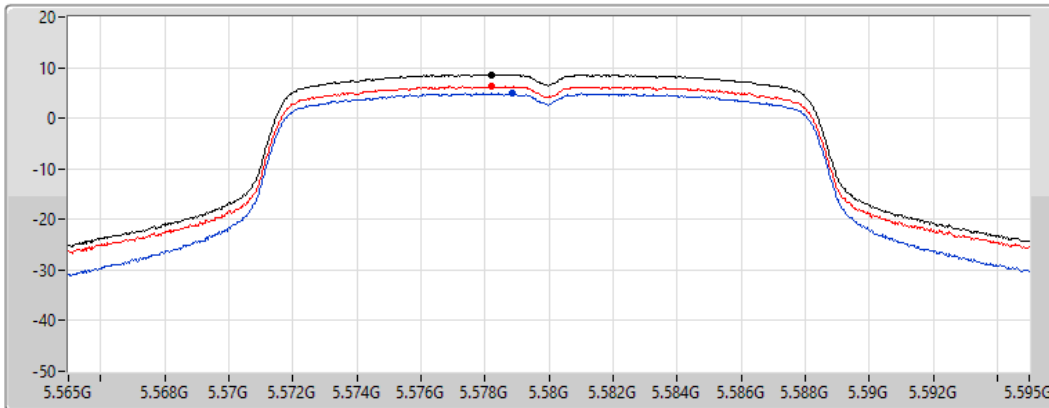
802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

19/08/2022

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.64	8.64	4.87	6.29

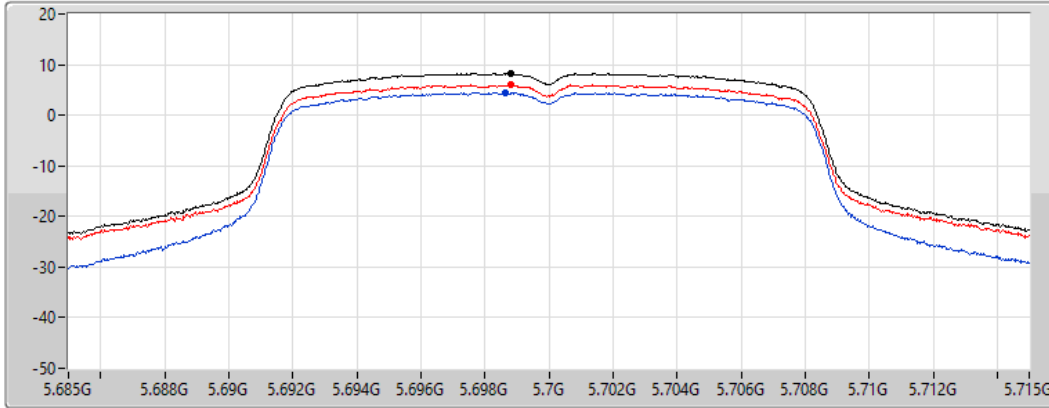
802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

19/08/2022

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.26	8.26	4.49	6.02

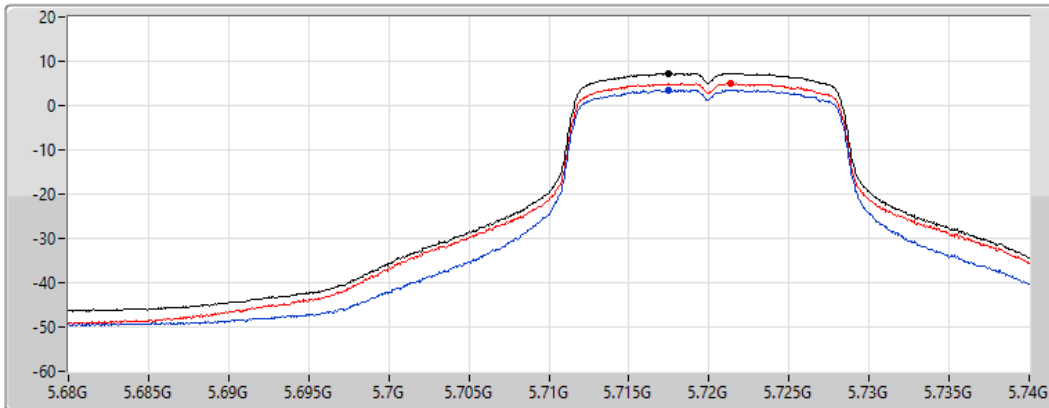
802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

19/08/2022

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.26	7.26	3.52	4.92

802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

19/08/2022

CF
5.735GHz

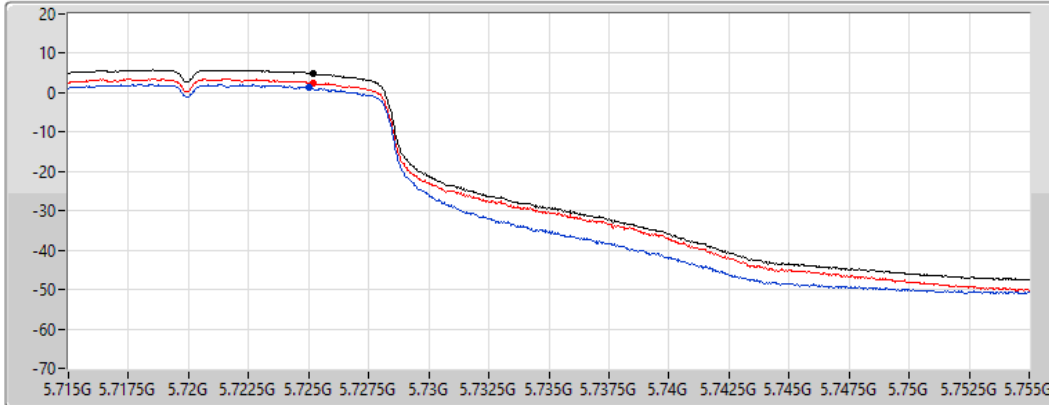
Span
40MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.86	4.86	1.27	2.52

802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

19/08/2022

CF
5.745GHz

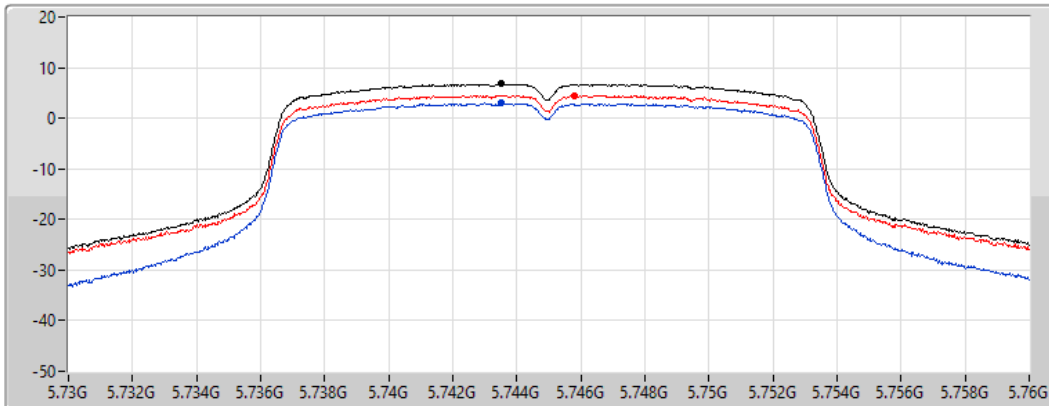
Span
30MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

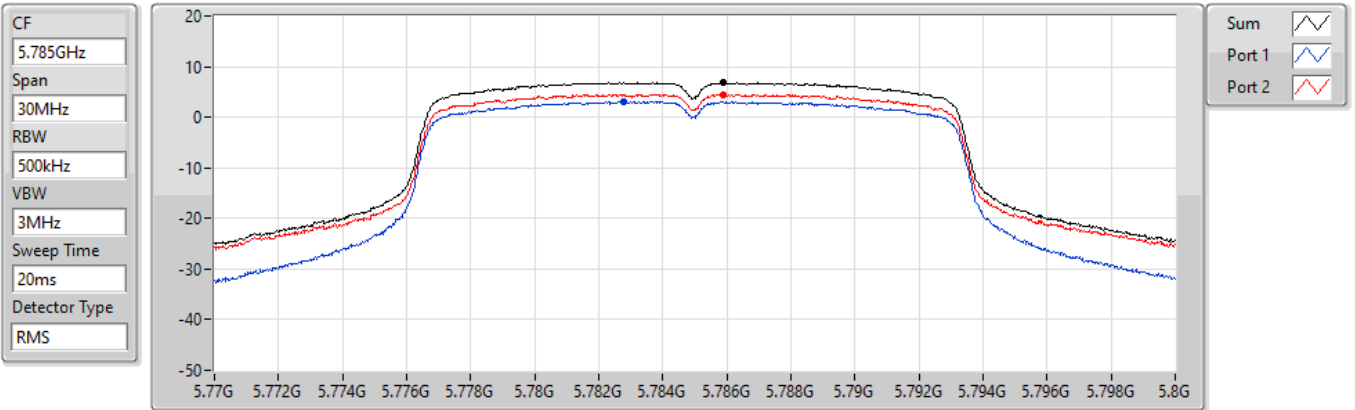
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.80	6.80	2.96	4.55

802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

19/08/2022



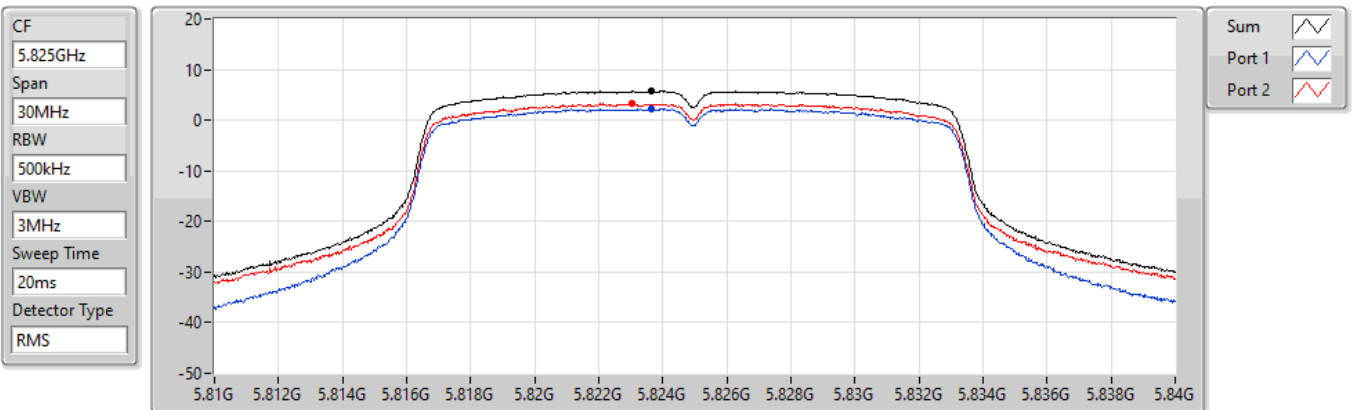
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.83	6.83	3.09	4.54

802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

19/08/2022



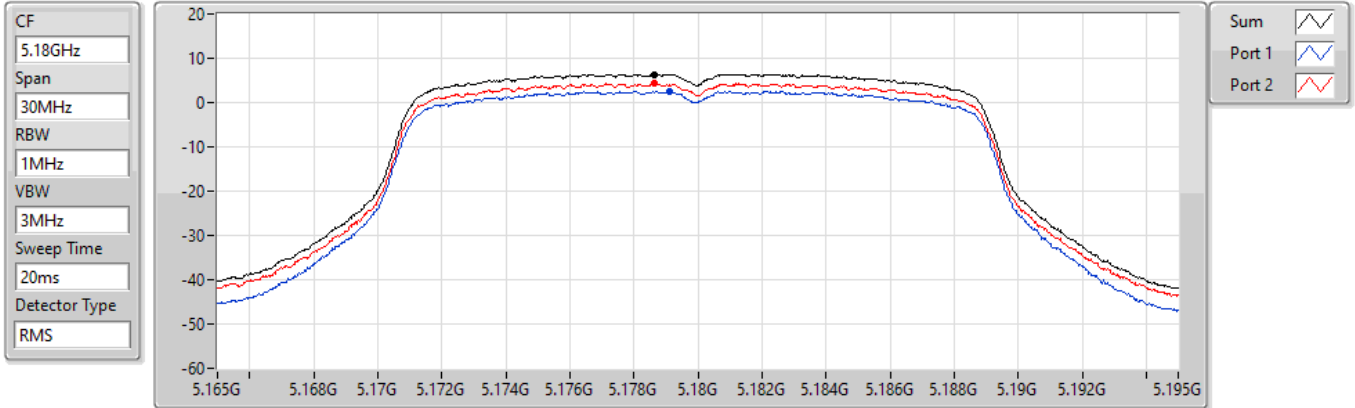
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.71	5.71	2.24	3.23

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5180MHz

19/08/2022



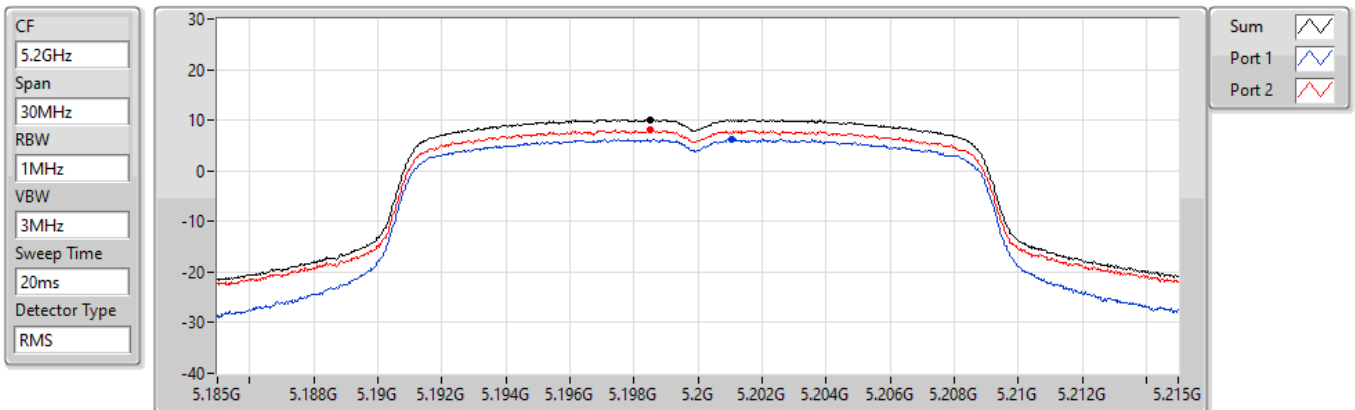
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.39	6.39	2.54	4.25

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5200MHz

19/08/2022



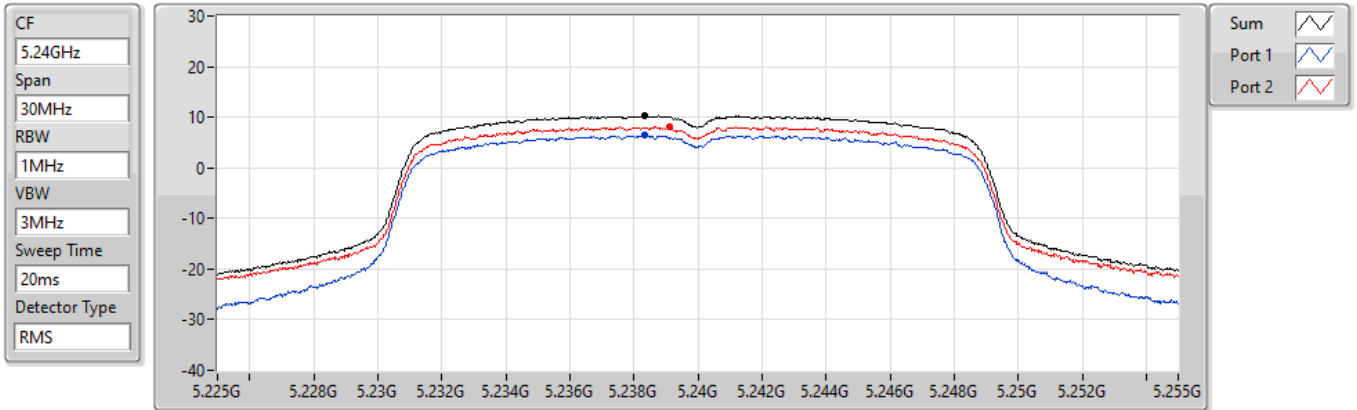
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.14	10.14	6.20	8.08

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5240MHz

19/08/2022

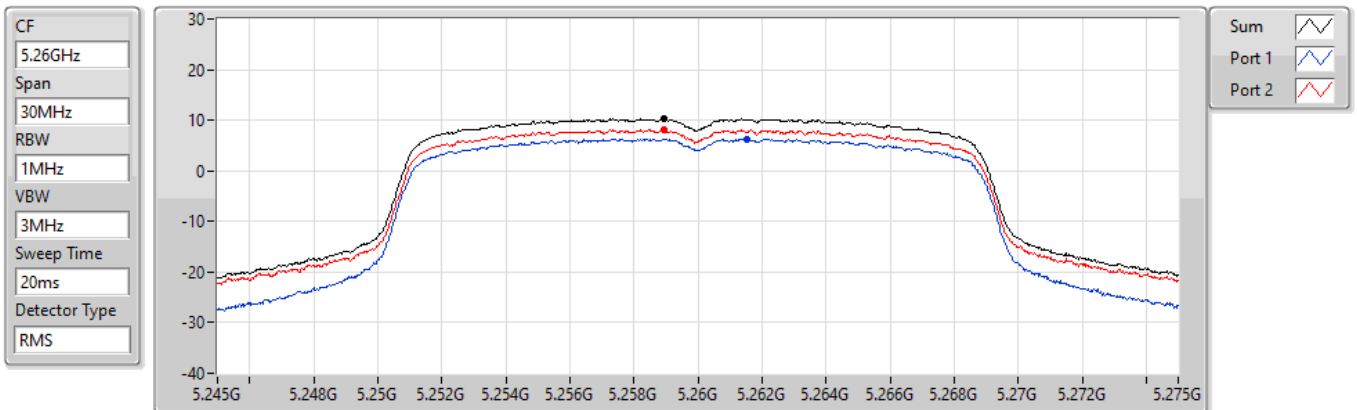


802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5260MHz

19/08/2022



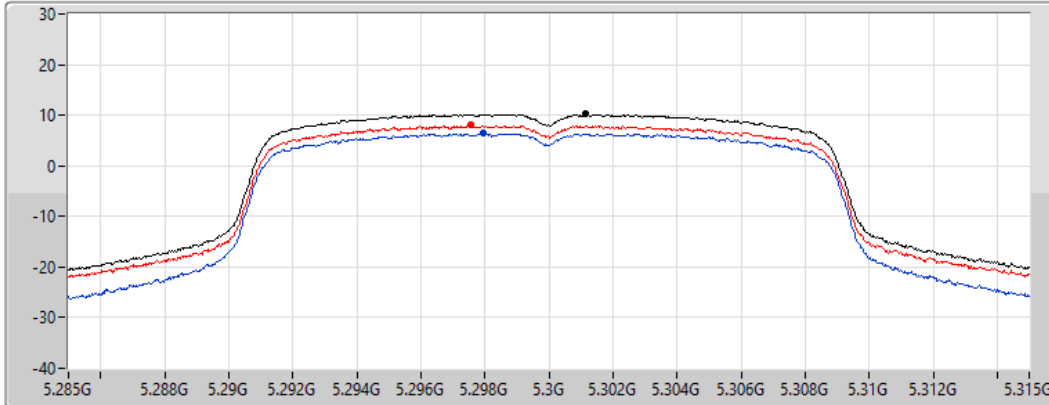
802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5300MHz

19/08/2022

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.19	10.19	6.38	8.01

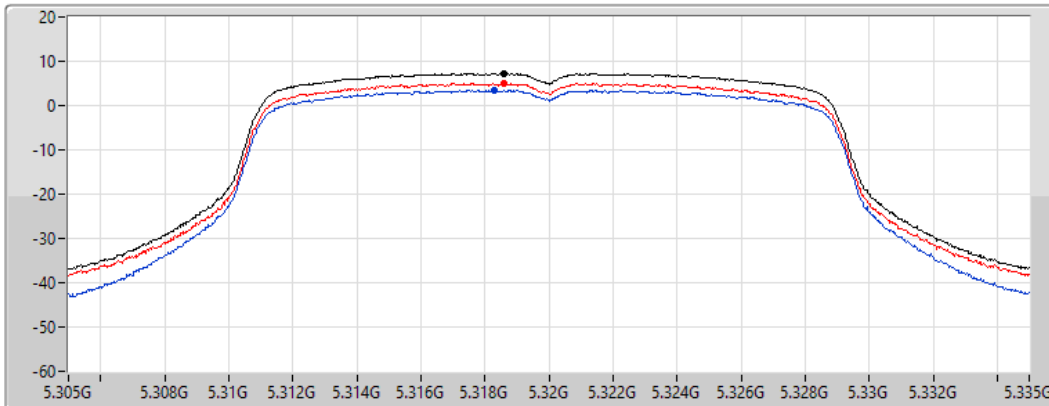
802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5320MHz

19/08/2022

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.28	7.28	3.46	5.07

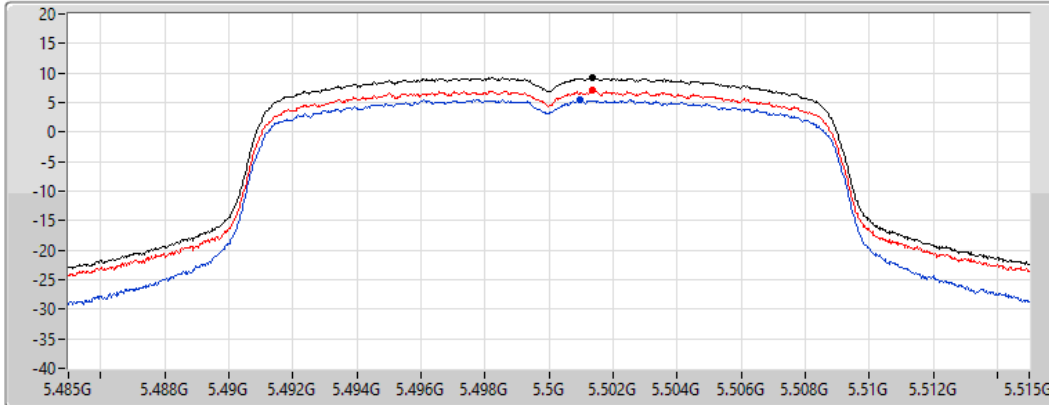
802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5500MHz

19/08/2022

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.23	9.23	5.55	7.02

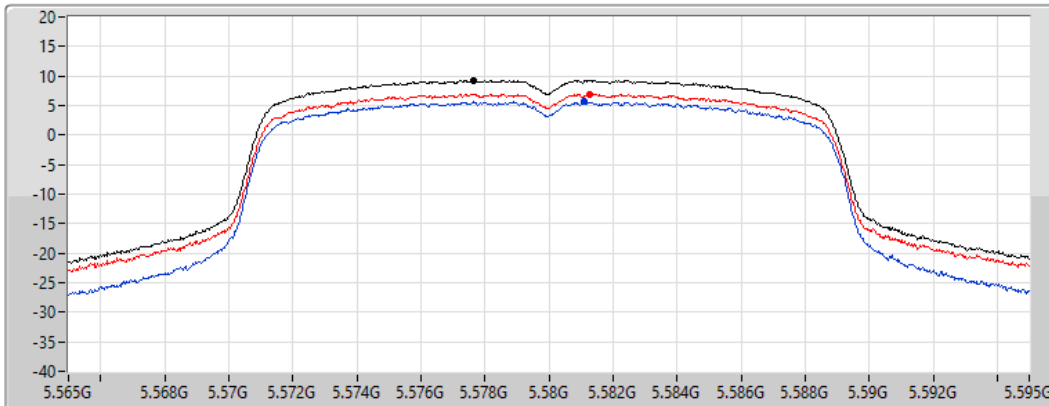
802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5580MHz

19/08/2022

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.30	9.30	5.72	6.94

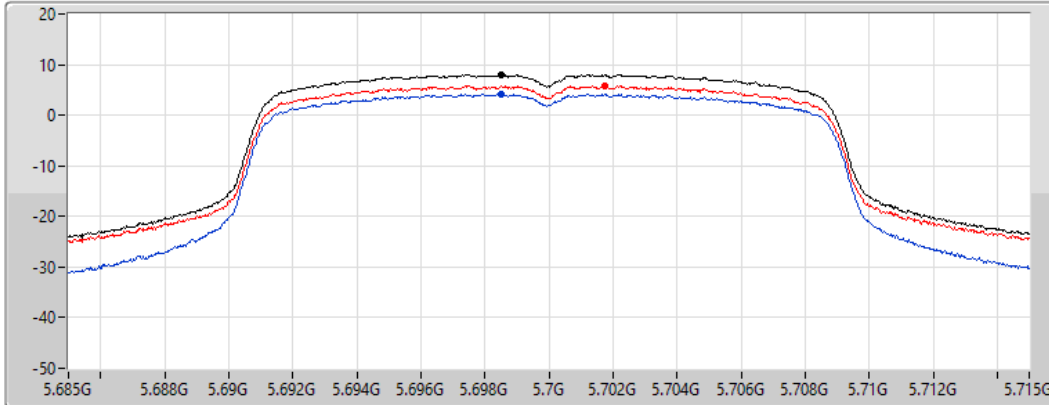
802.11ac VHT20_Nss1,(MCS0)_2TX




PSD

5700MHz

19/08/2022

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.02	8.02	4.17	5.78

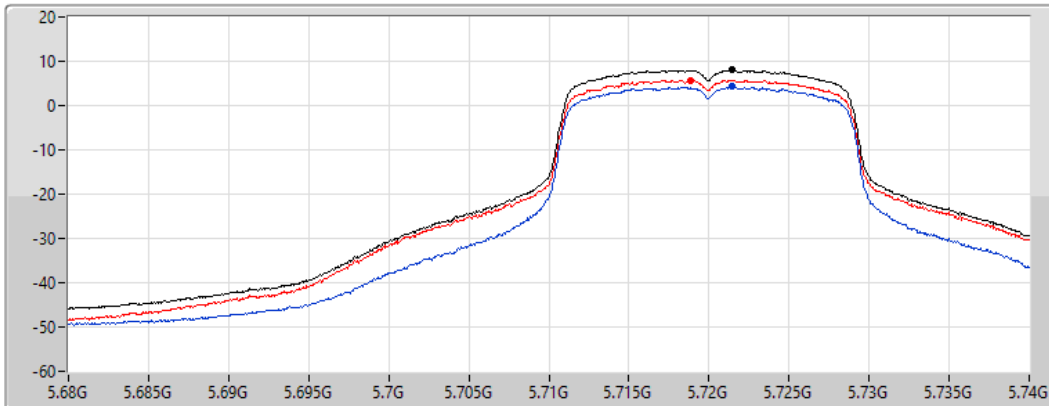
802.11ac VHT20_Nss1,(MCS0)_2TX




PSD

5720MHz Straddle 5.47-5.725GHz

19/08/2022

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.01	8.01	4.30	5.72

802.11ac VHT20_Nss1,(MCS0)_2TX
5720MHz Straddle 5.725-5.85GHz

PSD

19/08/2022

CF
5.735GHz

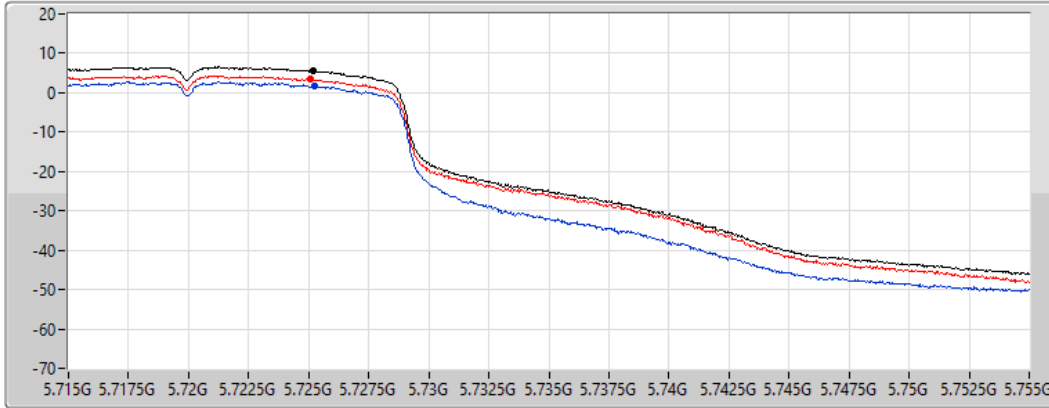
Span
40MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.57	5.57	1.59	3.42

802.11ac VHT20_Nss1,(MCS0)_2TX
5745MHz

PSD

19/08/2022

CF
5.745GHz

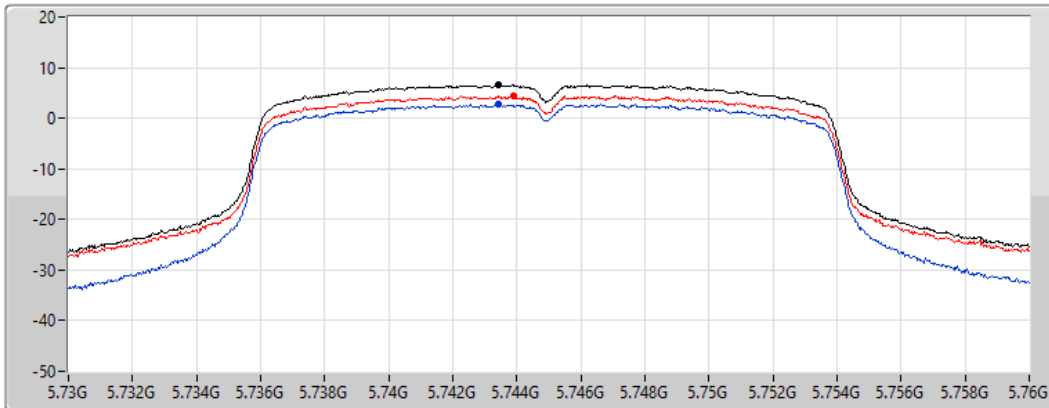
Span
30MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.59	6.59	2.74	4.37

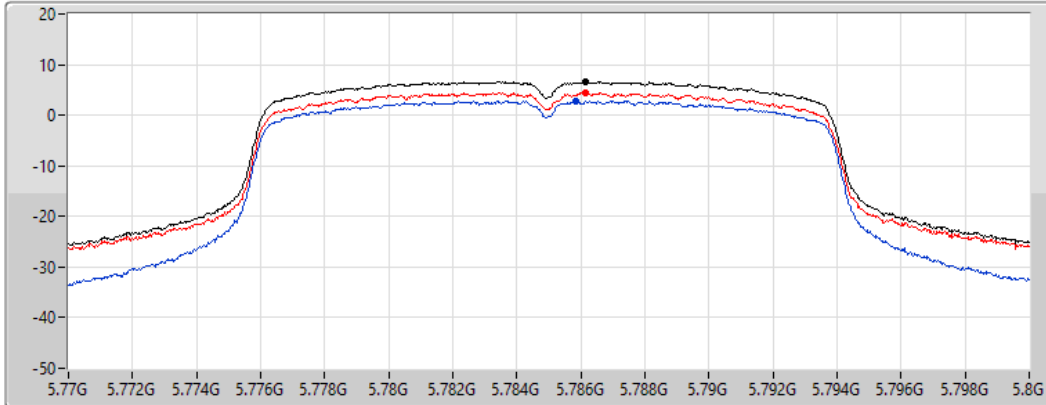
802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5785MHz

19/08/2022

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.68	6.68	2.91	4.50

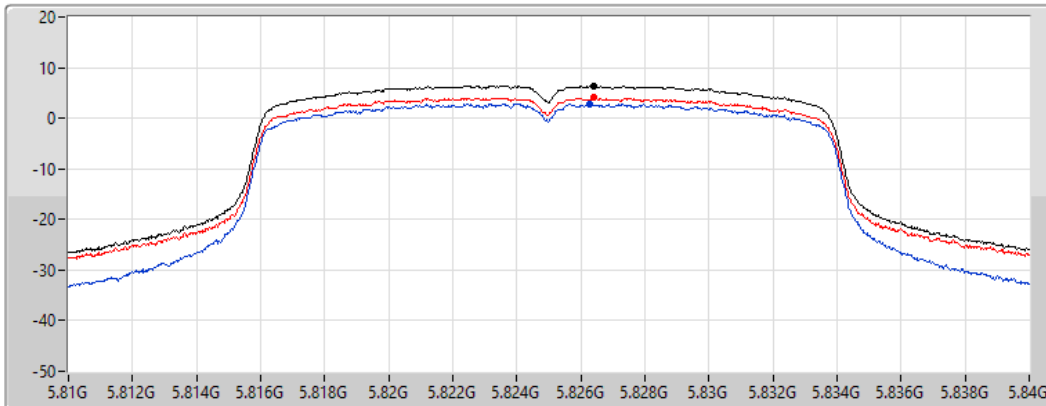
802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5825MHz

19/08/2022

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

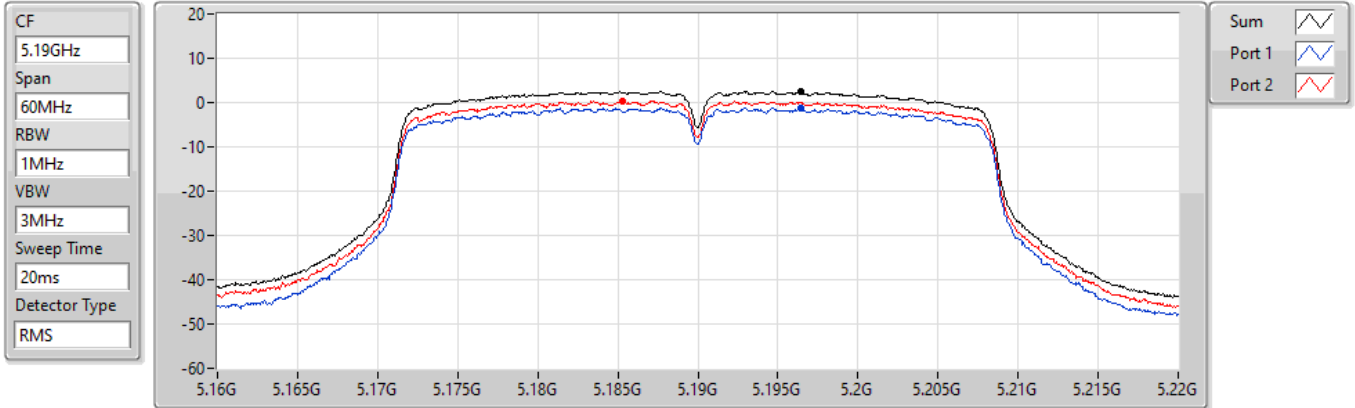
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.43	6.43	2.82	4.13

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5190MHz

22/08/2022



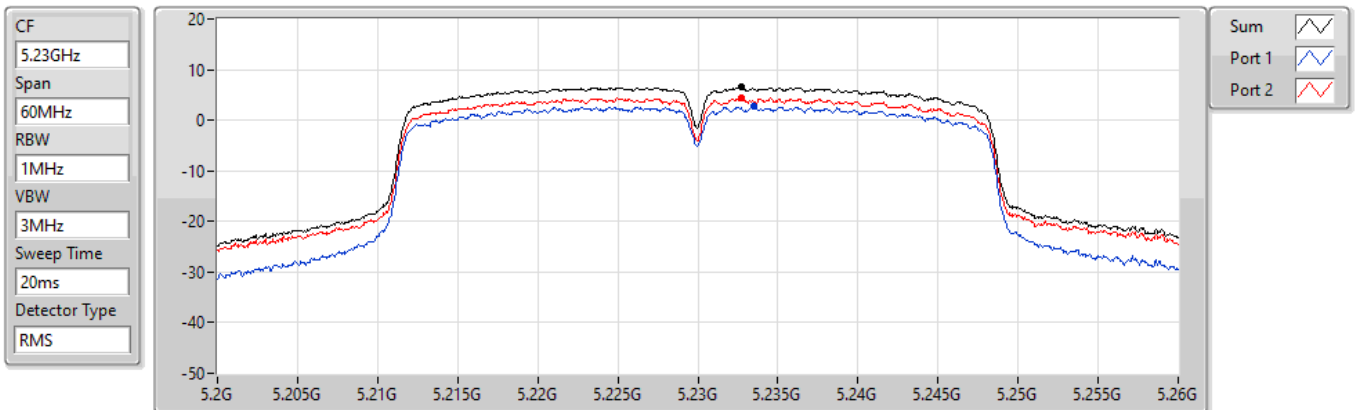
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.51	2.51	-1.17	0.34

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5230MHz

22/08/2022



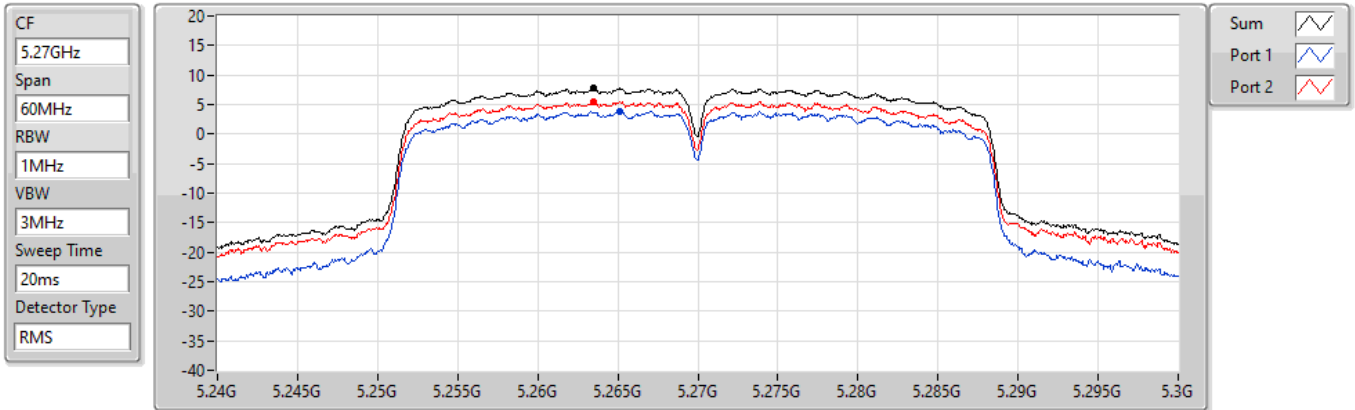
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.50	6.50	2.70	4.36

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5270MHz

22/08/2022



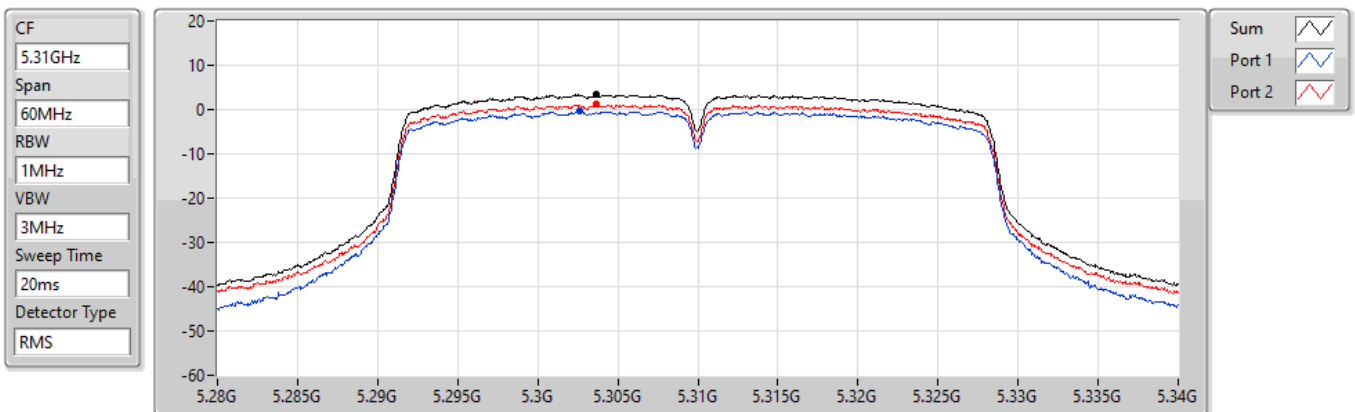
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.74	7.74	3.84	5.57

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5310MHz

22/08/2022



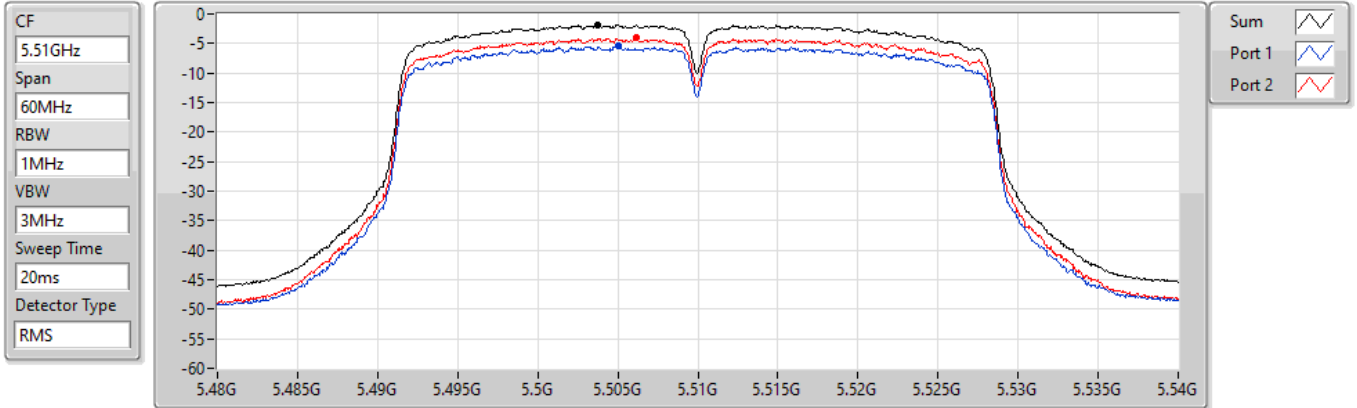
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.35	3.35	-0.42	1.21

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5510MHz

22/08/2022



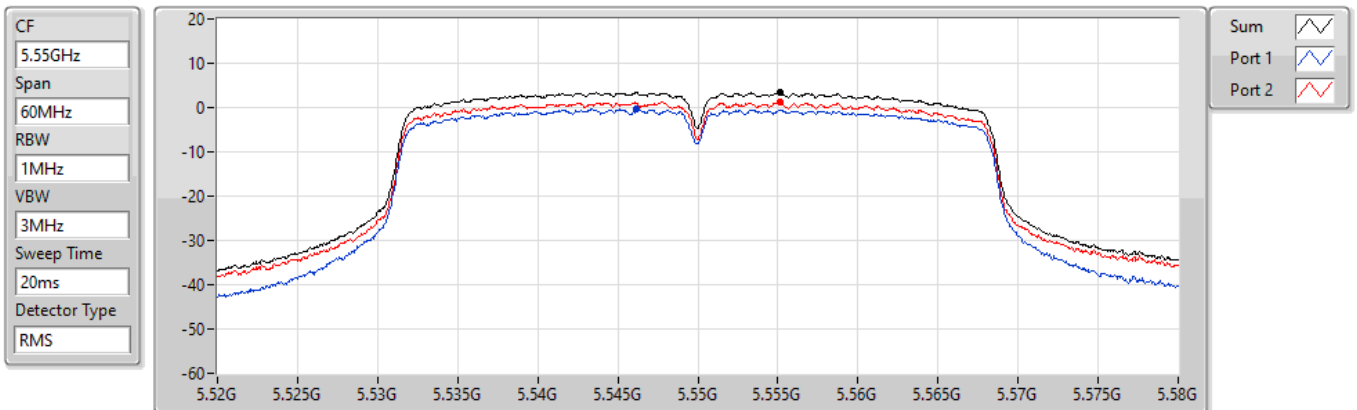
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.87	-1.87	-5.46	-4.09

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5550MHz

22/08/2022



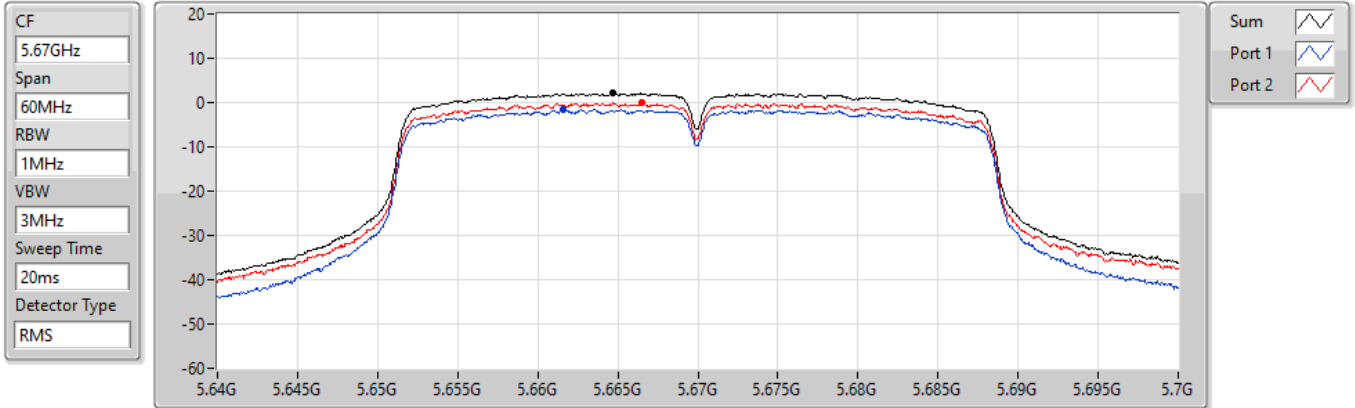
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.43	3.43	-0.27	1.32

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5670MHz

22/08/2022



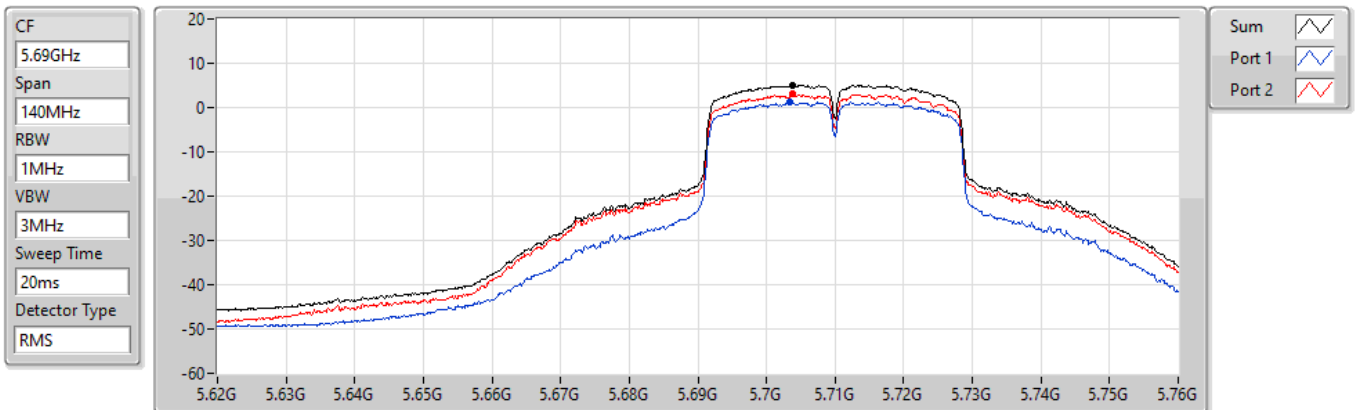
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.04	2.04	-1.56	-0.14

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

22/08/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.10	5.10	1.24	2.98

802.11ac VHT40_Nss1,(MCS0)_2TX
5710MHz Straddle 5.725-5.85GHz

PSD

22/08/2022

CF
5.735GHz

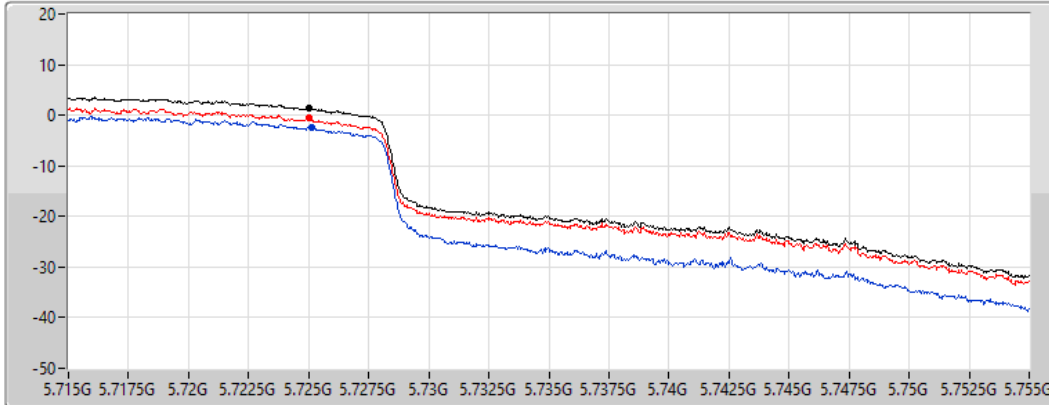
Span
40MHz


RBW
500kHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.52	1.52	-2.38	-0.59

802.11ac VHT40_Nss1,(MCS0)_2TX
5755MHz

PSD

22/08/2022

CF
5.755GHz

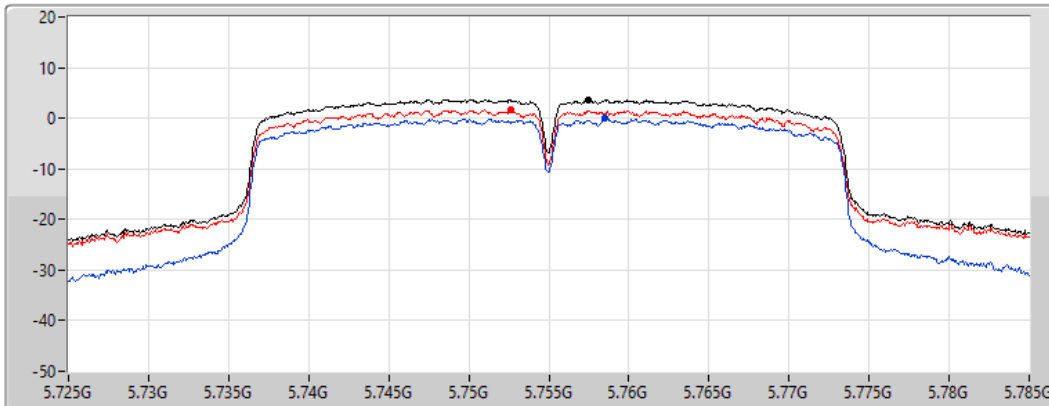
Span
60MHz


RBW
500kHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

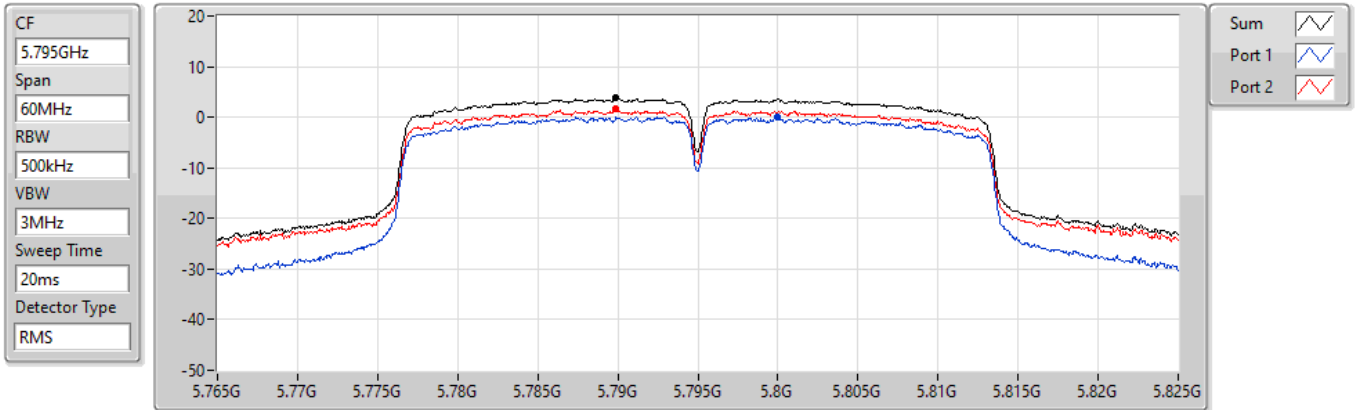
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.70	3.70	0.01	1.71

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5795MHz

22/08/2022



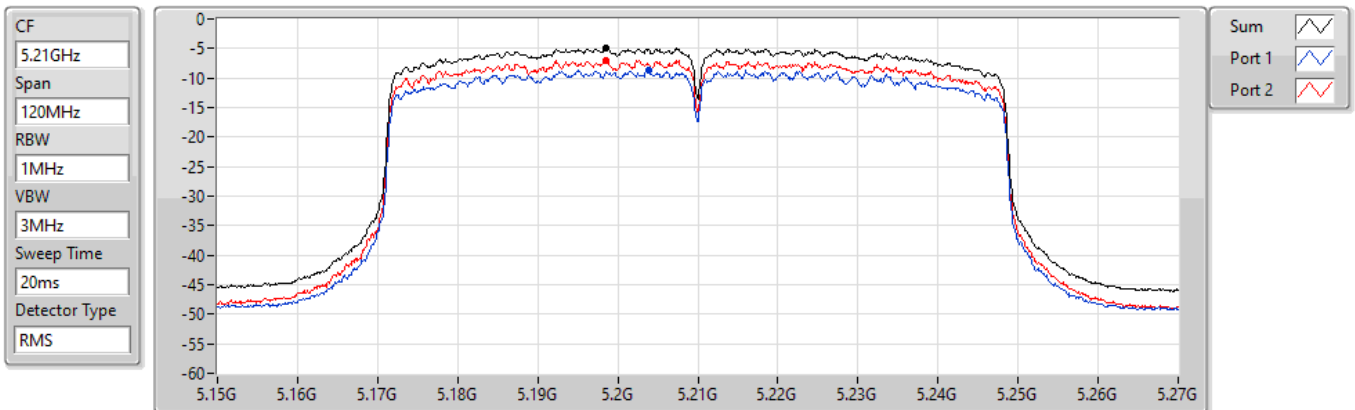
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.83	3.83	0.04	1.57

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

22/08/2022



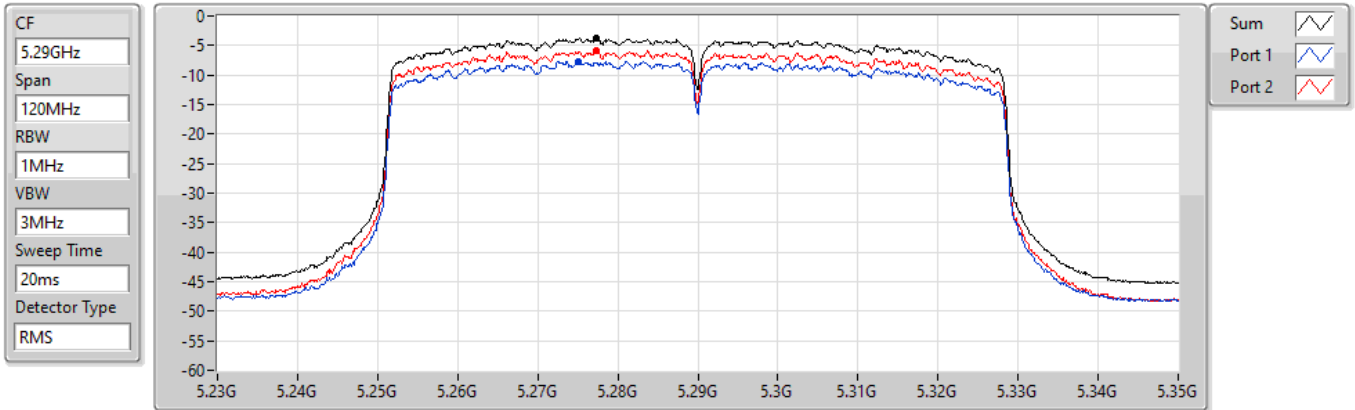
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.94	-4.94	-8.57	-7.05

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5290MHz

22/08/2022



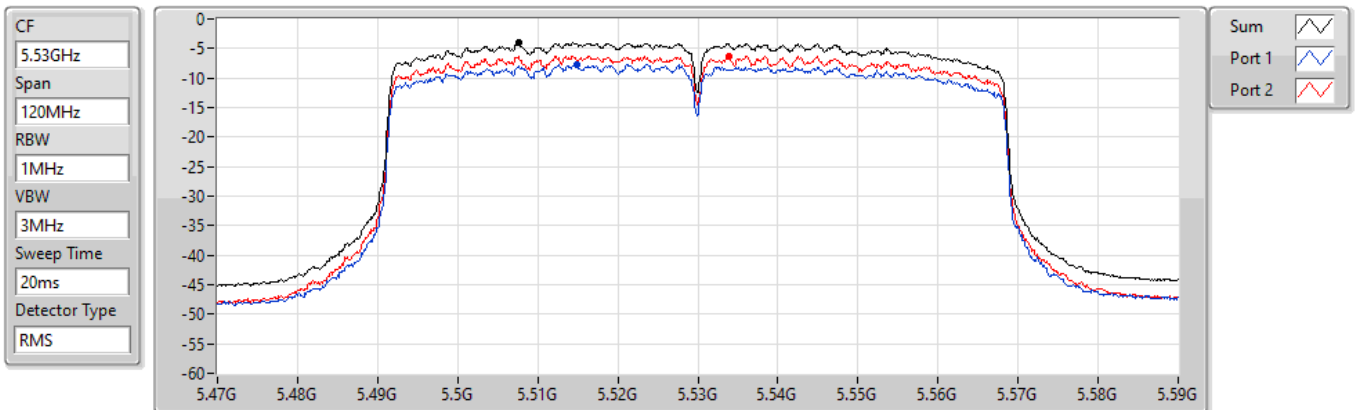
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.76	-3.76	-7.66	-5.88

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5530MHz

22/08/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.05	-4.05	-7.62	-6.23

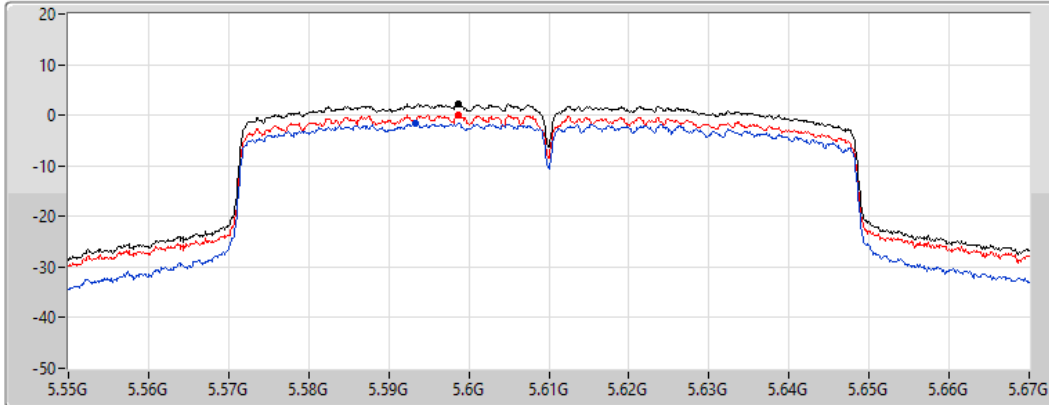
802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5610MHz

22/08/2022

CF
5.61GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.26	2.26	-1.51	-0.02

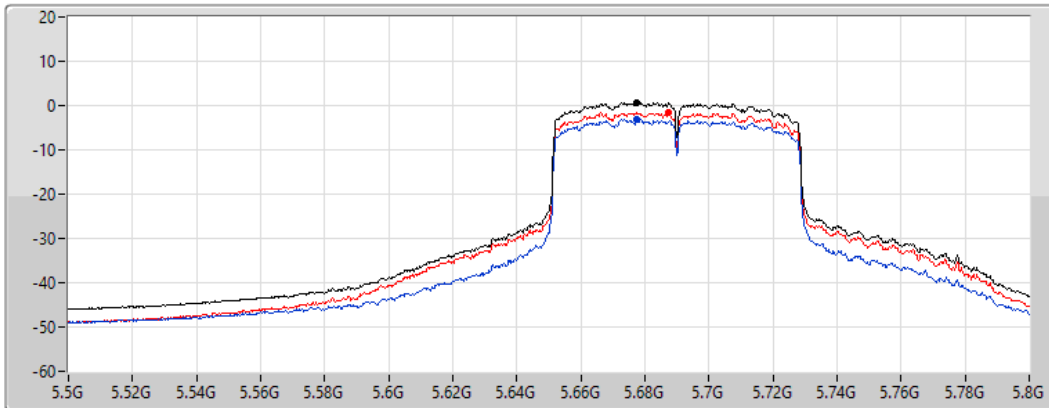
802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

22/08/2022

CF
5.65GHz
Span
300MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

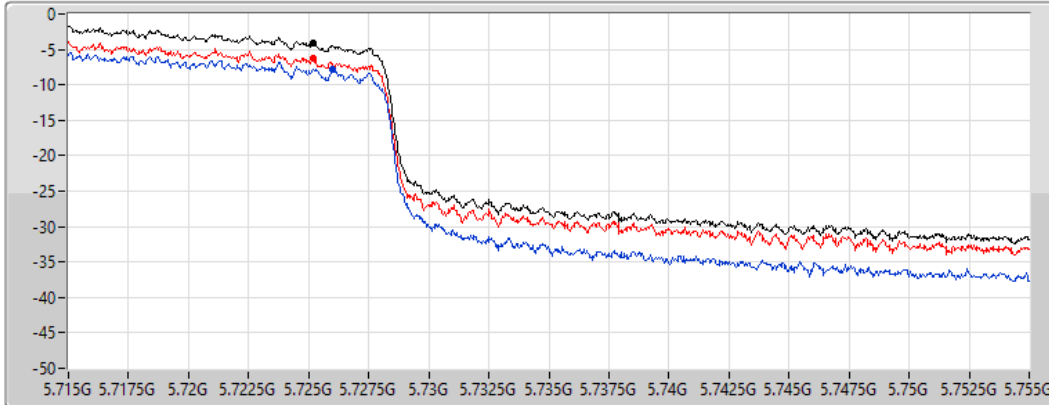
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.66	0.66	-2.98	-1.53

802.11ac VHT80_Nss1,(MCS0)_2TX
5690MHz Straddle 5.725-5.85GHz

PSD

22/08/2022

CF
 5.735GHz
 Span
 40MHz
 RBW
 500kHz
 VBW
 3MHz
 Sweep Time
 20ms
 Detector Type
 RMS



Sum
 Port 1
 Port 2

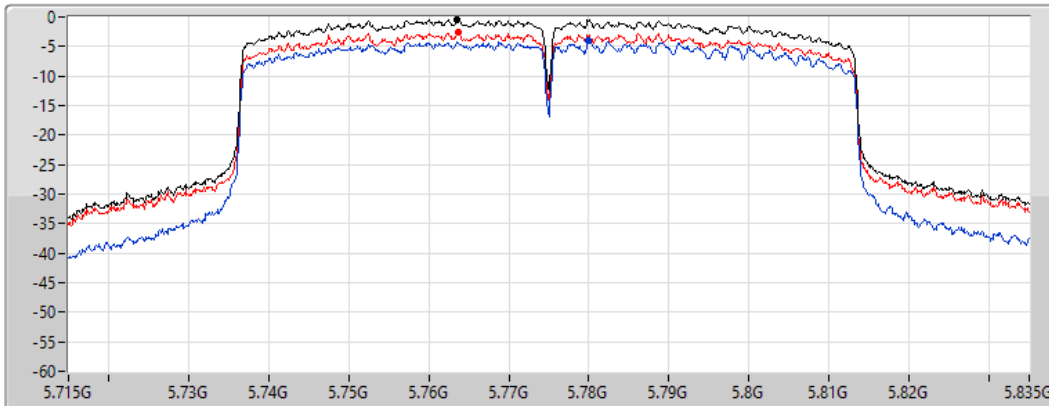
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.03	-4.03	-7.81	-6.33

802.11ac VHT80_Nss1,(MCS0)_2TX
5775MHz

PSD

22/08/2022

CF
 5.775GHz
 Span
 120MHz
 RBW
 500kHz
 VBW
 3MHz
 Sweep Time
 20ms
 Detector Type
 RMS



Sum
 Port 1
 Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.36	-0.36	-4.03	-2.63