

FCC Radio Test Report

FCC ID : Z8H89FT0066
Equipment : XV2-2T Outdoor Wi-Fi 6 Access point
Brand Name : Cambium Networks
Model Name : XV2-2T, XV2-2T1
Applicant : Cambium Networks Inc.
3800 Golf Road Suite 360 Rolling Meadows IL United States 60008
Manufacturer : Lite-On Network Communication (Dongguan) Limited
No.30 QingXi-Keji Road, QingXi Town, DongGuan City, Guangdong Province, P.R. China
Standard : 47 CFR FCC Part 15.407

The product was received on Dec. 27, 2021, and testing was started from Jan. 10, 2022 and completed on Jan. 20, 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 variant 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

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PHOTOGRAPHS OF EUT V01



History of this test report

Report No.	Version	Description	Issued Date
FR142329-04AN	01	Initial issue of report	Mar. 24, 2022



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	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Conducted Output Power	PASS	-
3.3	15.407(a)	Peak Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

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

Reviewed by: Sam Tsai
Report Producer: Debby Hung



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax(HEW20)	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) , ax(HEW40)	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) ,ax(HEW80)	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]

<Non-Beamforming>

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	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX



Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.25-5.35GHz	802.11ax HEW80	80	2TX
5.47-5.725GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX

<Beamforming>

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ax HEW20-BF	20	2TX
5.25-5.35GHz	802.11ax HEW20-BF	20	2TX
5.47-5.725GHz	802.11ax HEW20-BF	20	2TX
5.725-5.85GHz	802.11ax HEW20-BF	20	2TX
5.15-5.25GHz	802.11ax HEW40-BF	40	2TX
5.25-5.35GHz	802.11ax HEW40-BF	40	2TX
5.47-5.725GHz	802.11ax HEW40-BF	40	2TX
5.725-5.85GHz	802.11ax HEW40-BF	40	2TX
5.15-5.25GHz	802.11ax HEW80-BF	80	2TX
5.25-5.35GHz	802.11ax HEW80-BF	80	2TX
5.47-5.725GHz	802.11ax HEW80-BF	80	2TX
5.725-5.85GHz	802.11ax HEW80-BF	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.
- ◆ HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, modulation.
- ◆ BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

Model: XV2-2T <Group 1>

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	LYNwave	Snow Leopard	PIFA antenna	I-PEX	2.4G
2	LYNwave	Snow Leopard	PIFA antenna	I-PEX	2.4G
3	LYNwave	Snow Leopard	PIFA antenna	I-PEX	5G
4	LYNwave	Snow Leopard	PIFA antenna	I-PEX	5G
5	LYNwave	Snow Leopard	PIFA antenna	I-PEX	BT

Ant.	Port	Gain (dBi)					BT
		2.4G	5G				
			U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	
1	1	5.2	-	-	-	-	-
2	2	5.3	-	-	-	-	-
3	1	-	8.1	8.1	9.3	9.0	-
4	2	-	8.6	8.6	8.9	8.6	-
5	1	-	-	-	-	-	5.6

Note 1: The EUT has five antennas.

Group	Ant.	Port	Elevation angle above 30 degrees Gain (dBi)
1	3	1	-2.7
1	4	2	-3.1

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax 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. 5 (port 1) could transmit/receive.

For 5GHz function:

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

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



Model:XV2-2T1 <Group 2>

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	M-gear	Snow leopard_120deg	Array patch	I-PEX	2.4G
2	M-gear	Snow leopard_120deg	Array patch	I-PEX	2.4G
3	M-gear	Snow leopard_120deg	Array patch	I-PEX	5G
4	M-gear	Snow leopard_120deg	Array patch	I-PEX	5G
5	LYNwave	Snow Leopard	PIFA antenna	I-PEX	BT

Ant.	Port	Gain (dBi)					BT
		2.4G	5G				
			U-NII-1	U-NII-2A	U-NII-2C		
1	1	11.9	-	-	-	-	-
2	2	11.7	-	-	-	-	-
3	1	-	14.31	13.37	14.00	13.05	-
4	2	-	14.57	14.38	13.03	12	-
5	1	-	-	-	-	-	5.6

Note 1: The EUT has five antennas.

Group	Ant.	Port	Elevation angle above 30 degrees Gain (dBi)
2	3	3	5.04
2	4	4	0.22

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax 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. 5 (port 1) could transmit/receive.

For 5GHz function:

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

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

1.1.3 Table for Multiple Listing

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

Model Name	Antenna	Description
XV2-2T	Group 1	All the models are identical, the only difference is that the Wi-Fi antennas for each model are different.
XV2-2T1	Group 2	



1.1.4 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR142329AC& FR142329-01AC. Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Model: XV2-2T1 was added. 2. Group 2 Antenna was added for XV2-2T1 used.	Conducted and Radiated Emissions were evaluated

1.1.5 EUT Information

Operational Condition			
EUT Power Type	From PoE		
EUT Function	<input checked="" type="checkbox"/>	Outdoor AP	<input type="checkbox"/> Indoor AP
	<input type="checkbox"/>	Fixed P2P AP	<input checked="" type="checkbox"/> Client
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/> Without beamforming
TPC Function	<input checked="" type="checkbox"/>	With TPC Function	<input type="checkbox"/> Without TPC Function
Weather Band	<input checked="" type="checkbox"/>	With 5600~5650MHz	<input type="checkbox"/> Without 5600~5650MHz
Resource Unit(802.11ax)	<input checked="" type="checkbox"/>	Full RU	<input type="checkbox"/> Partial RU
Type of EUT			
<input 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 checked="" type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name: Cambium Networks / Model No.: XV2-2T1		
<input type="checkbox"/>	Other:		



1.1.6 Mode Test Duty Cycle

<Non-Beamforming>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.928	0.32	1.433m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.942	0.26	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.954	0.2	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_2TX	0.943	0.25	5.446m	300

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

<Beamforming>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.944	0.25	1.98m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.947	0.24	1.989m	1k
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	0.948	0.23	1.984m	1k

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
RF Conducted <Non-Beamforming>	TH07-HY	Yuna Lin	20.3~25.3°C / 50.4~58.7%	17/Jan/2022~20/Jan/2022
RF Conducted <Beamforming>	TH07-HY	Yuna Lin	22.1~25.3°C / 50.4~58.6%	17/Jan/2022~20/Jan/2022
<input checked="" 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.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated <Non-Beamforming>	03CH09-HY	Ryan Hsiao	21.2~23.9°C / 44~62%	10/Jan/2022~19/Jan/2022
Radiated <Beamforming>	03CH09-HY	Ryan Hsiao	21.2~23.9°C / 43~62%	10/Jan/2022~19/Jan/2022



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



2 Test Configuration of EUT

2.1 Test Channel Mode

<Non-Beamforming><Master mode>

Test Software Version	QDART-Connectivity 1.0-00077 WPX9924_TX_EVM-3_231113.cxtt
-----------------------	--

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	12
5200MHz	11.5
5240MHz	12
5260MHz	9.5
5300MHz	9.5
5320MHz	10
5500MHz	10
5580MHz	11
5700MHz	10
5720MHz Straddle 5.47-5.725GHz	10
5720MHz Straddle 5.725-5.85GHz	10
5745MHz	18
5785MHz	18.5
5825MHz	19
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	12.5
5200MHz	12
5240MHz	12.5
5260MHz	10.5
5300MHz	10
5320MHz	11
5500MHz	11
5580MHz	11.5
5700MHz	10.5
5720MHz Straddle 5.47-5.725GHz	10.5
5720MHz Straddle 5.725-5.85GHz	10.5
5745MHz	18.5



Mode	Power Setting
5785MHz	19
5825MHz	19.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	11.5
5230MHz	11.5
5270MHz	11.5
5310MHz	11.5
5510MHz	11.5
5550MHz	12
5670MHz	11.5
5710MHz Straddle 5.47-5.725GHz	11.5
5710MHz Straddle 5.725-5.85GHz	11.5
5755MHz	17.5
5795MHz	18
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	11.5
5290MHz	11.5
5530MHz	12
5610MHz	12
5690MHz Straddle 5.47-5.725GHz	11.5
5690MHz Straddle 5.725-5.85GHz	11.5
5775MHz	18.5



<Beamforming><Master mode>

Test Software Version	Dos6.1
Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	13
5200MHz	13
5240MHz	13
5260MHz	10
5300MHz	11
5320MHz	11
5500MHz	11
5580MHz	11
5700MHz	11
5720MHz Straddle 5.47-5.725GHz	11
5720MHz Straddle 5.725-5.85GHz	11
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	12
5230MHz	13
5270MHz	10
5310MHz	11
5510MHz	8
5550MHz	11
5670MHz	11
5710MHz Straddle 5.47-5.725GHz	11
5710MHz Straddle 5.725-5.85GHz	11
5755MHz	17
5795MHz	17
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	13
5290MHz	11
5530MHz	12
5610MHz	12



Mode	Power Setting
5690MHz Straddle 5.47-5.725GHz	11
5690MHz Straddle 5.725-5.85GHz	11
5775MHz	17

<Non-Beamforming><Client mode>

Test Software Version	QDART-Connectivity 1.0-00077 WPX9924_TX_EVM-3_231113.cxtt
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Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	8.5
5200MHz	8.5
5240MHz	8.5
5260MHz	9.5
5300MHz	9.5
5320MHz	10
5500MHz	10
5580MHz	11
5700MHz	10
5720MHz Straddle 5.47-5.725GHz	10
5720MHz Straddle 5.725-5.85GHz	10
5745MHz	18
5785MHz	18.5
5825MHz	19
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	9.5
5200MHz	9.5
5240MHz	9.5
5260MHz	10.5
5300MHz	10
5320MHz	11
5500MHz	11
5580MHz	11.5
5700MHz	10.5
5720MHz Straddle 5.47-5.725GHz	10.5
5720MHz Straddle 5.725-5.85GHz	10.5



Mode	Power Setting
5745MHz	18.5
5785MHz	19
5825MHz	19.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	10.5
5230MHz	10.5
5270MHz	11.5
5310MHz	11.5
5510MHz	11.5
5550MHz	12
5670MHz	11.5
5710MHz Straddle 5.47-5.725GHz	11.5
5710MHz Straddle 5.725-5.85GHz	11.5
5755MHz	17.5
5795MHz	18
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	10.5
5290MHz	11.5
5530MHz	12
5610MHz	12
5690MHz Straddle 5.47-5.725GHz	11.5
5690MHz Straddle 5.725-5.85GHz	11.5
5775MHz	18.5

2.2 The Worst Case Measurement Configuration

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

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



2.3 Accessories

Accessories					
Mount kit	Brand Name	-	Model Name	-	

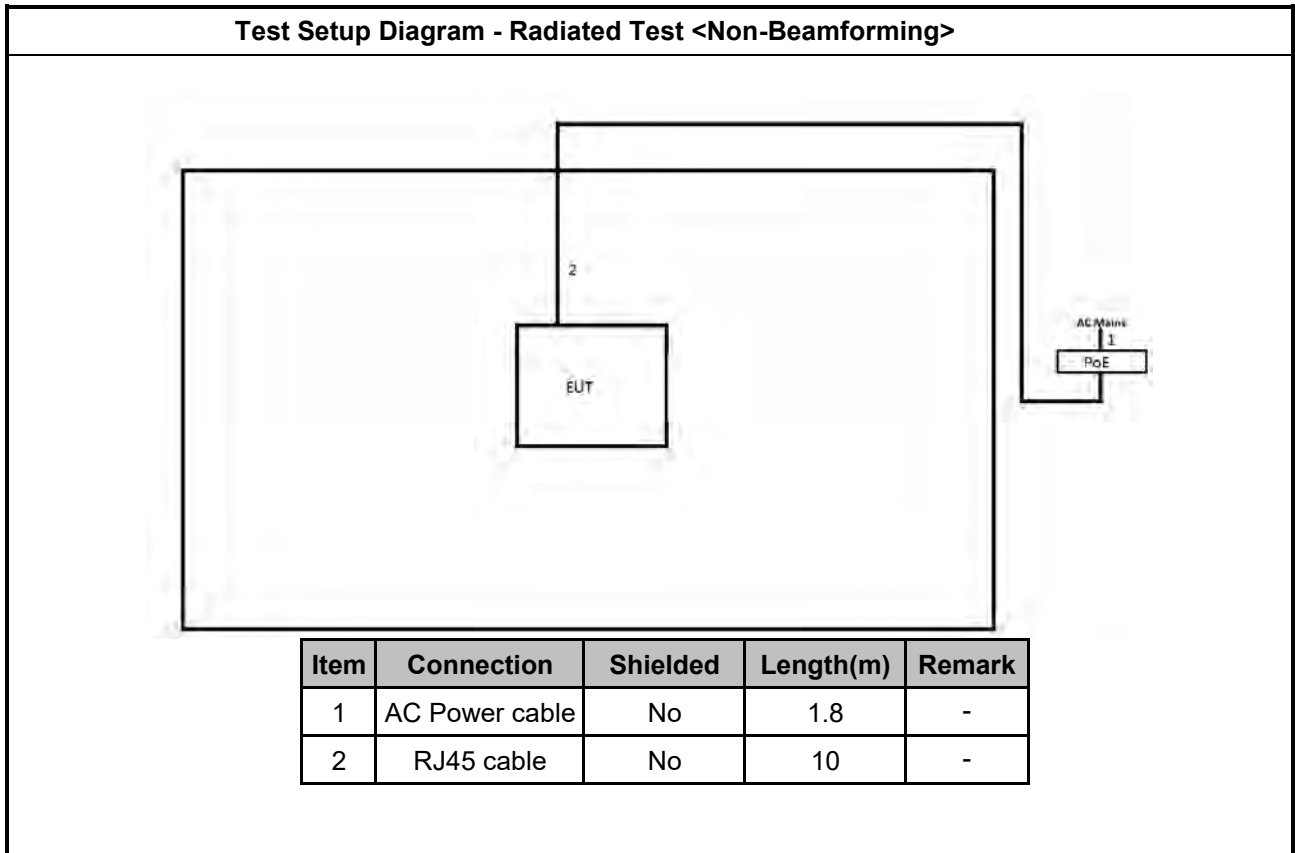
Reminder: Regarding to more detail and other information, please refer to user manual.

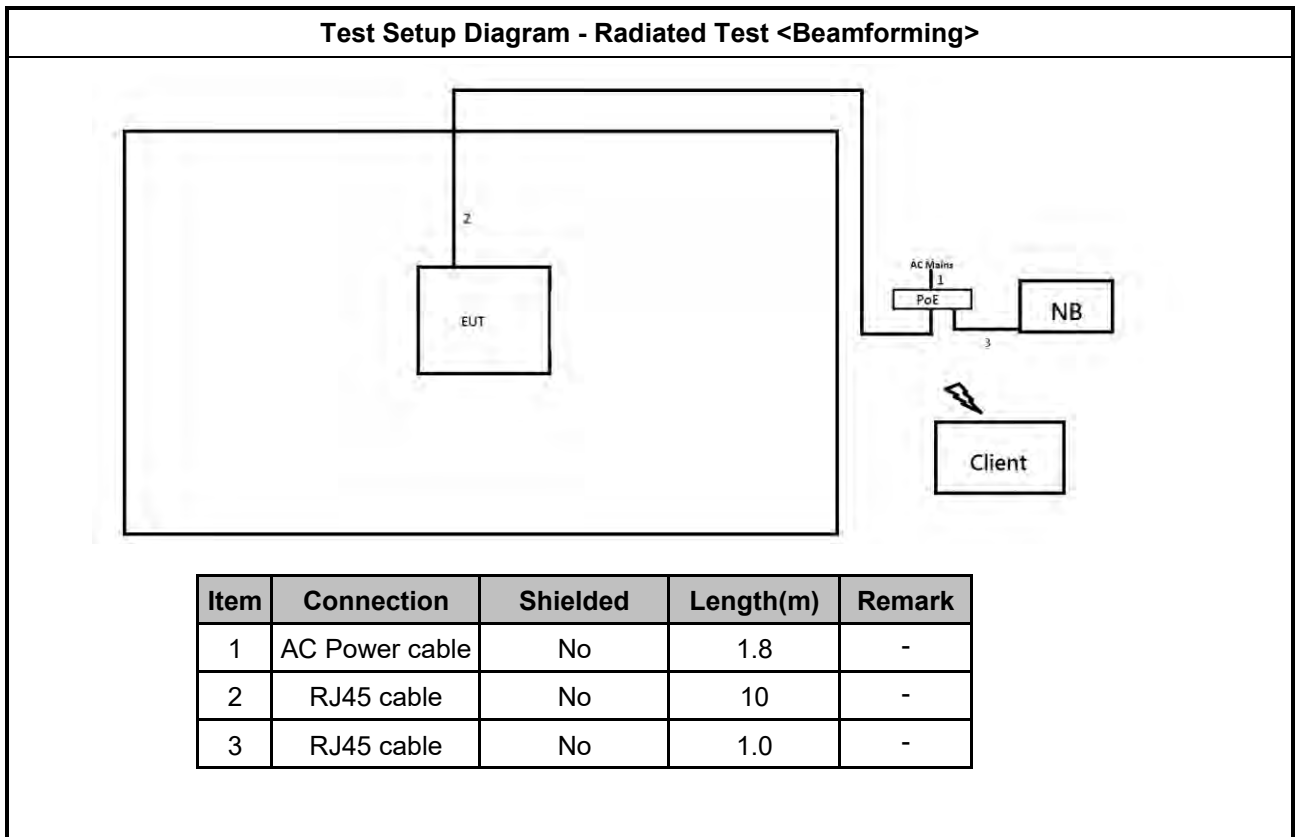
2.4 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	PoE	Cambium Networks	NET-P60-56IN	-	-
4	Client	-	-	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Client	-	-	-	Provided by Customer / remote
2	Notebook	HP	E5520	-	remote
3	PoE	UBIQUITI	UBI-POE-48-5G	-	remote

2.5 Test Setup Diagram





3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 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.

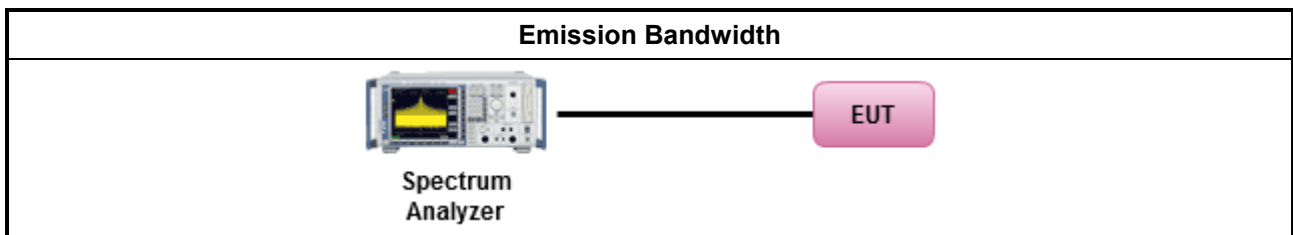
3.1.2 Measuring Instruments

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

3.1.3 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.

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band:
<input type="checkbox"/>	<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 $\leq 125mW$ [21dBm] ▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ ▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. ▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
<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:
<input type="checkbox"/>	<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 $P_{Out} = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

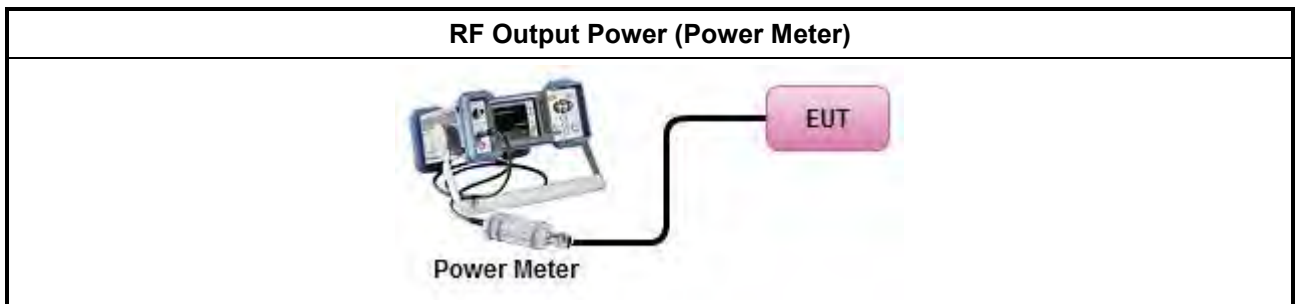
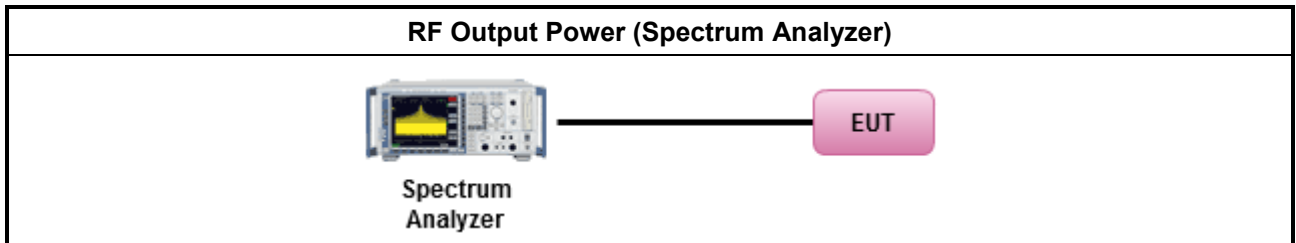
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Conducted Output Power 	
	<ul style="list-style-type: none"> Duty cycle $\geq 98\%$
	<input type="checkbox"/> Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	<ul style="list-style-type: none"> Duty cycle $< 98\%$
	<input checked="" 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]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B



3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
<input type="checkbox"/>	<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 $P_{Out} = 17 - (G_{TX} - 6)$. ▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. ▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. ▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
<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:	
<input type="checkbox"/>	<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 $PPSD = 30 - (G_{TX} - 6)$. ▪ 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</p> <p>G_{TX} = the maximum transmitting antenna directional gain in dBi.</p>	

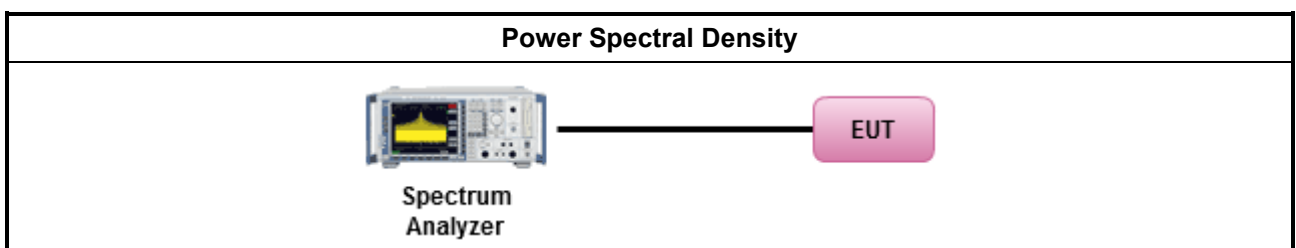
3.3.2 Measuring Instruments

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"> ▪ 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.
	<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.3.4 Test Setup



3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
<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 \geq 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. <ul style="list-style-type: none"> <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. 	
<ul style="list-style-type: none"> All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported. 	

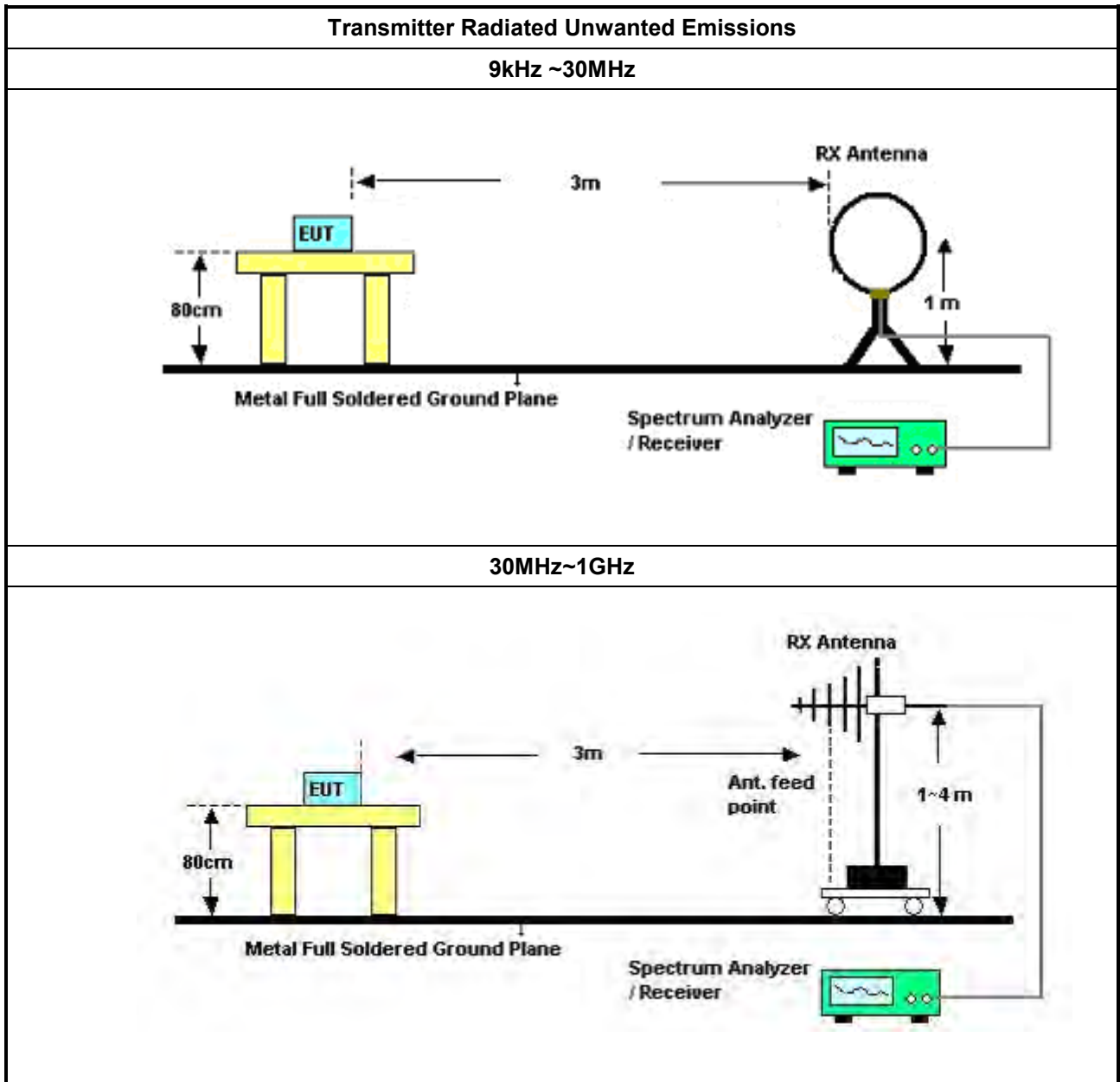
<ul style="list-style-type: none"> Use the following spectrum analyzer settings: <ul style="list-style-type: none"> Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold. Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, 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. 	

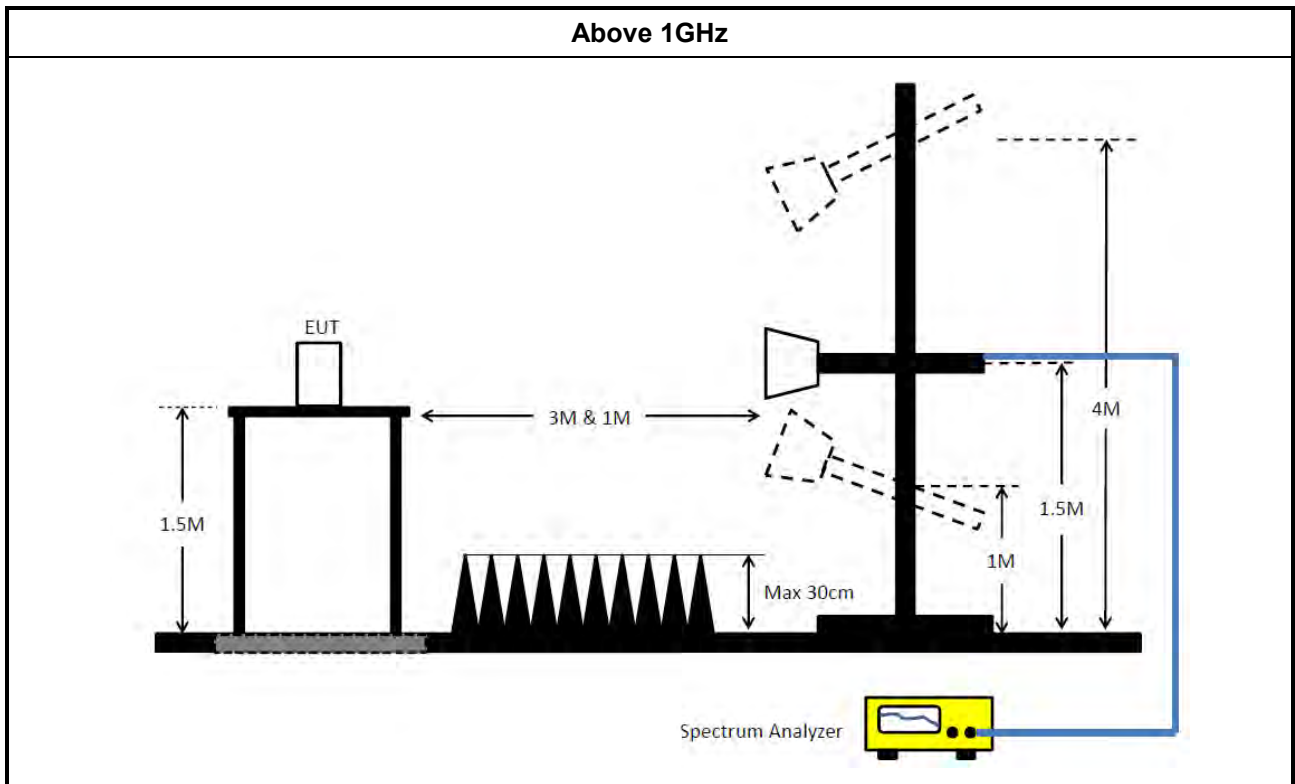
3.4.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.4.5 Test Setup





3.4.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.4.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	26/Mar/2021	25/Mar/2022
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2021	16/Dec/2022
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	20/Dec/2021	19/Dec/2022
SENSE-15407_NII	Sporton	V5.10.7.18	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	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	26/Mar/2021	25/Mar/2022
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	18/Mar/2021	17/Mar/2022
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	13/Aug/2021	12/Aug/2022
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	12/Apr/2021	11/Apr/2022
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	23/Jul/2021	22/Jul/2022
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	04/Sep/2021	03/Sep/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	18/May/2021	17/May/2022
RF Cable-low	Jye Bao	RG142	CB031+324530/4	9kHz~30MHz	30/Aug/2021	29/Aug/2022
RF Cable-low	Jye Bao	RG142	CB031+324530/4	30MHz~1GHz	09/Feb/2021	08/Feb/2022
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	CB009	1GHz~40GHz	13/Aug/2021	12/Aug/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	09/Mar/2021	08/Mar/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	19/Apr/2021	18/Apr/2022
SENSE-15407_NII	Sporton	V5.10.7.13	N/A	N/A	N/A	N/A



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	20.73M	16.462M	16M5D1D	20.55M	16.432M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.96M	18.951M	19MOD1D	21.48M	18.921M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.58M	37.961M	38MOD1D	41.1M	37.841M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.44M	77.241M	77M2D1D	82.32M	77.241M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.76M	16.462M	16M5D1D	20.37M	16.432M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.9M	18.981M	19MOD1D	21.36M	18.891M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.1M	37.901M	37M9D1D	40.44M	37.841M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.44M	77.481M	77M5D1D	82.08M	77.121M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.79M	16.462M	16M5D1D	15.06M	13.193M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.9M	18.951M	19MOD1D	15.75M	14.438M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.46M	37.961M	38MOD1D	35.42M	33.758M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.8M	77.361M	77M4D1D	76.125M	73.088M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.29M	16.462M	16M5D1D	3.14M	3.758M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.48M	18.951M	19MOD1D	4.28M	4.638M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.74M	37.901M	37M9D1D	3.92M	4.198M
802.11ax HEW80_Nss1,(MCS0)_2TX	74.52M	77.361M	77M4D1D	4.1M	4.338M

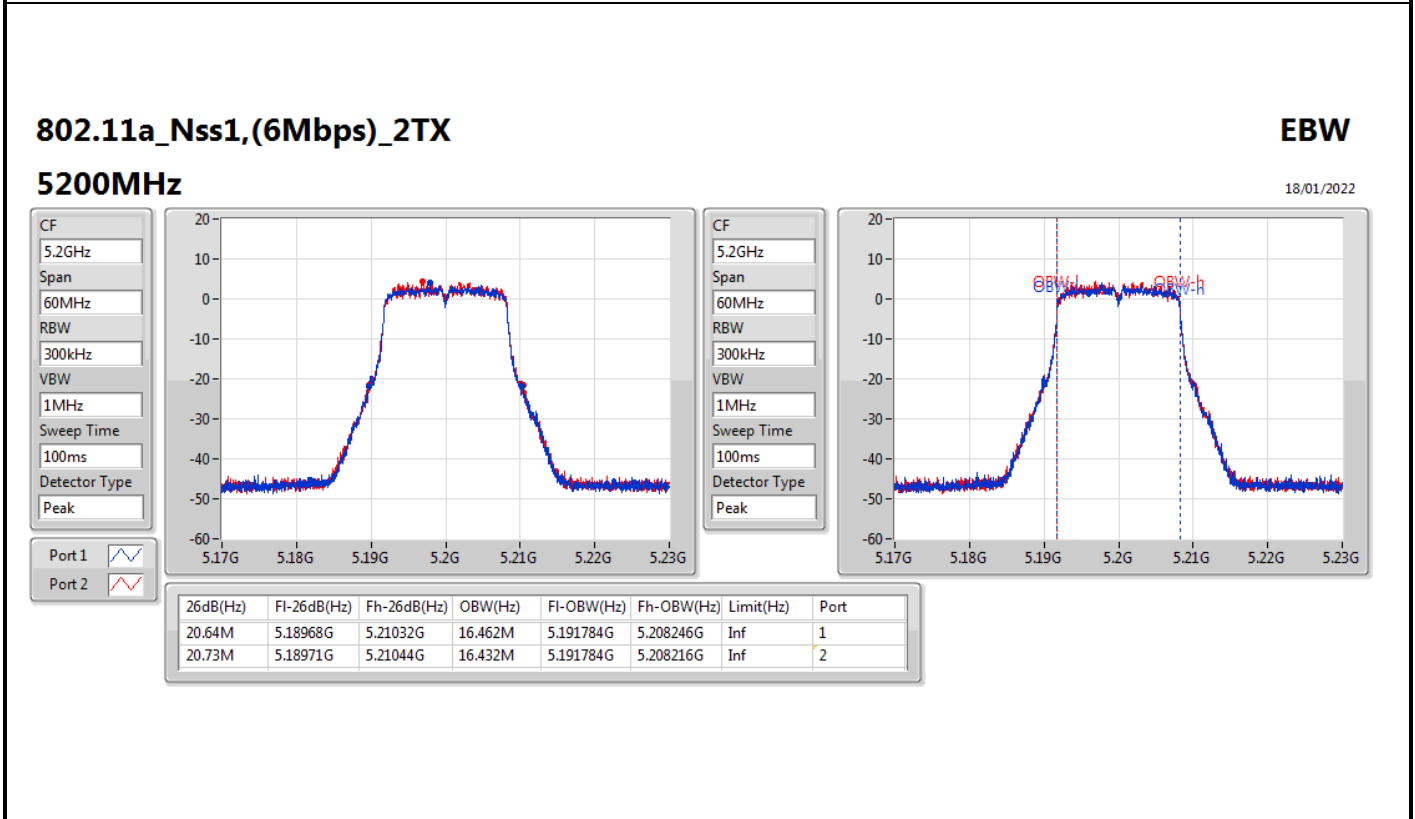
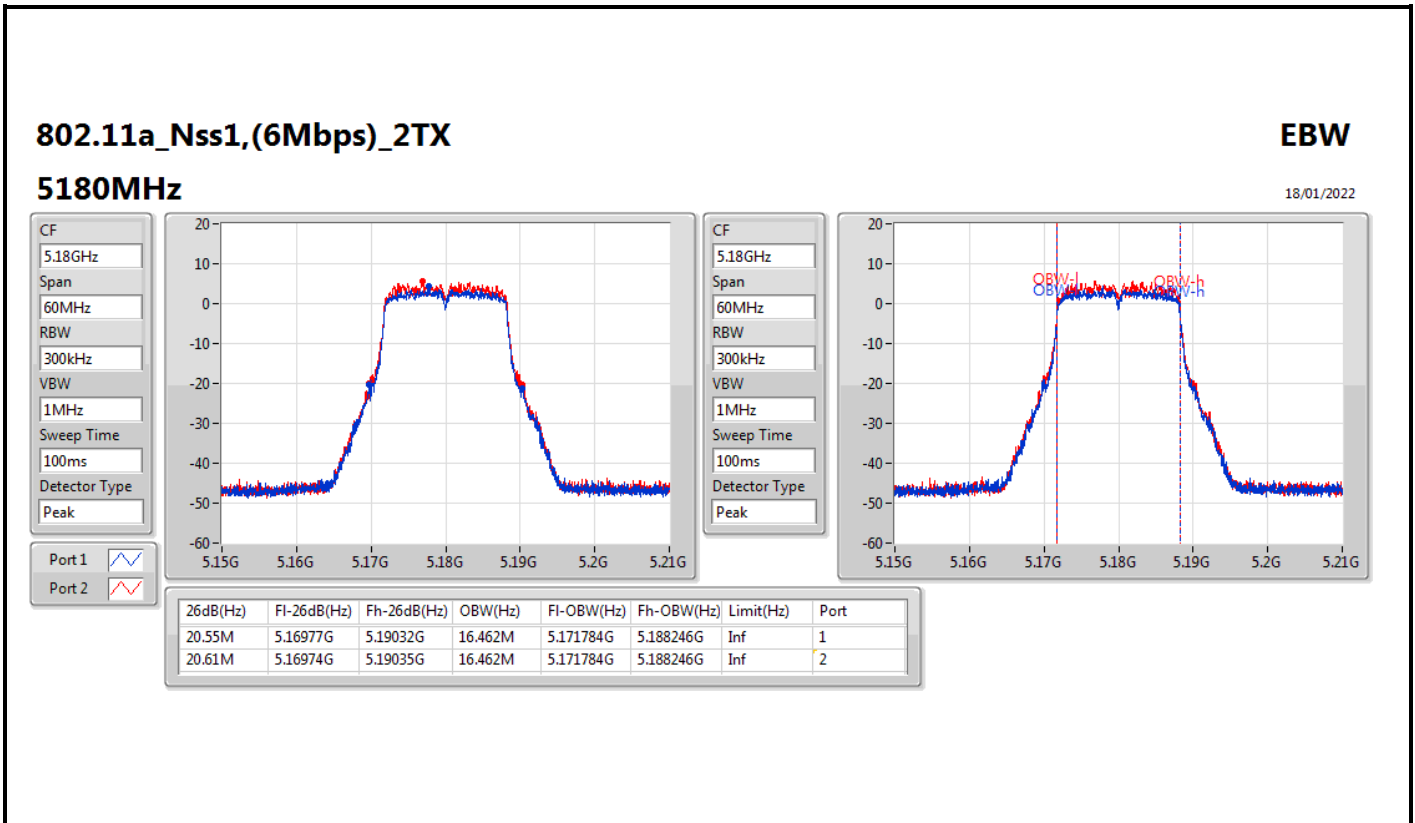
Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth



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	20.55M	16.462M	20.61M	16.462M
5200MHz	Pass	Inf	20.64M	16.462M	20.73M	16.432M
5240MHz	Pass	Inf	20.55M	16.462M	20.67M	16.432M
5260MHz	Pass	Inf	20.58M	16.432M	20.76M	16.432M
5300MHz	Pass	Inf	20.37M	16.462M	20.55M	16.432M
5320MHz	Pass	Inf	20.64M	16.432M	20.67M	16.432M
5500MHz	Pass	Inf	20.58M	16.462M	20.64M	16.432M
5580MHz	Pass	Inf	20.61M	16.462M	20.79M	16.432M
5700MHz	Pass	Inf	20.67M	16.462M	20.64M	16.432M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.27M	13.193M	15.06M	13.208M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.838M	3.14M	3.758M
5745MHz	Pass	500k	16.26M	16.432M	16.29M	16.432M
5785MHz	Pass	500k	15.75M	16.462M	16.29M	16.432M
5825MHz	Pass	500k	16.02M	16.432M	16.02M	16.432M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.66M	18.951M	21.54M	18.921M
5200MHz	Pass	Inf	21.96M	18.951M	21.57M	18.921M
5240MHz	Pass	Inf	21.57M	18.951M	21.48M	18.951M
5260MHz	Pass	Inf	21.63M	18.951M	21.42M	18.951M
5300MHz	Pass	Inf	21.36M	18.981M	21.54M	18.891M
5320MHz	Pass	Inf	21.9M	18.951M	21.81M	18.981M
5500MHz	Pass	Inf	21.72M	18.951M	21.69M	18.951M
5580MHz	Pass	Inf	21.33M	18.951M	21.69M	18.951M
5700MHz	Pass	Inf	21.9M	18.921M	21.6M	18.951M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.75M	14.438M	16.02M	14.468M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.3M	4.638M	4.28M	4.638M
5745MHz	Pass	500k	18.27M	18.921M	17.94M	18.921M
5785MHz	Pass	500k	17.91M	18.951M	17.58M	18.921M
5825MHz	Pass	500k	18.15M	18.921M	18.48M	18.921M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.1M	37.841M	41.16M	37.901M
5230MHz	Pass	Inf	41.22M	37.961M	41.58M	37.841M
5270MHz	Pass	Inf	40.98M	37.841M	41.1M	37.901M
5310MHz	Pass	Inf	40.44M	37.901M	41.1M	37.901M
5510MHz	Pass	Inf	41.22M	37.901M	41.04M	37.961M
5550MHz	Pass	Inf	40.86M	37.901M	40.86M	37.961M
5670MHz	Pass	Inf	41.46M	37.901M	40.92M	37.961M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.49M	33.793M	35.42M	33.758M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.92M	4.198M	3.92M	4.238M
5755MHz	Pass	500k	37.62M	37.841M	37.5M	37.841M
5795MHz	Pass	500k	37.68M	37.841M	37.74M	37.901M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.32M	77.241M	82.44M	77.241M
5290MHz	Pass	Inf	82.08M	77.481M	82.44M	77.121M
5530MHz	Pass	Inf	82.8M	77.241M	81.96M	77.361M
5610MHz	Pass	Inf	82.56M	77.241M	82.2M	77.241M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.275M	73.088M	76.125M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.1M	4.438M	4.12M	4.338M
5775MHz	Pass	500k	74.52M	77.361M	74.04M	77.361M

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



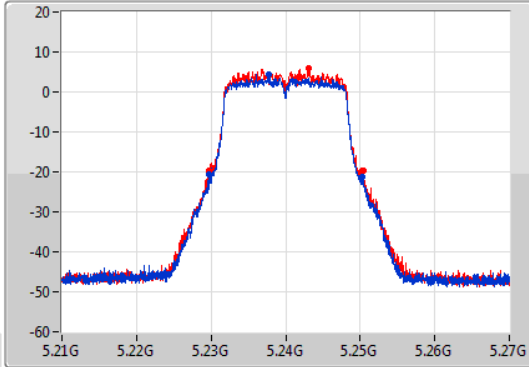
802.11a_Nss1,(6Mbps)_2TX

EBW

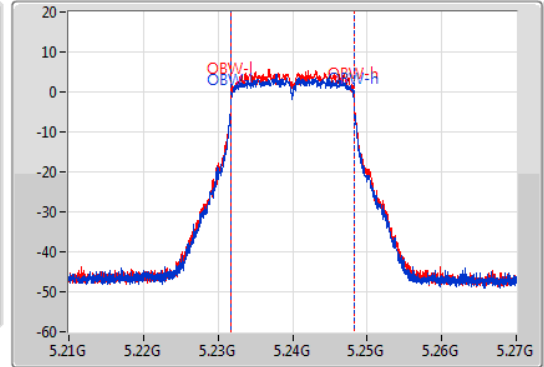
5240MHz

18/01/2022

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
20.55M	5.22971G	5.25026G	16.462M	5.231754G	5.248216G	Inf	1
20.67M	5.22974G	5.25041G	16.432M	5.231784G	5.248216G	Inf	2

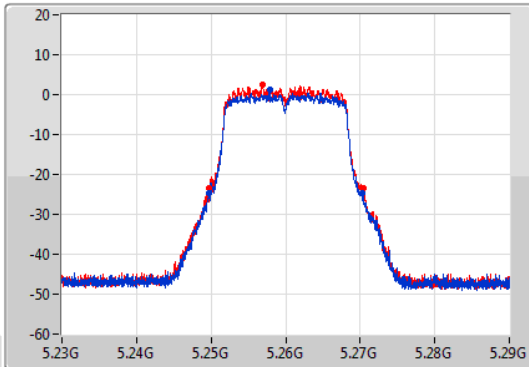
802.11a_Nss1,(6Mbps)_2TX

EBW

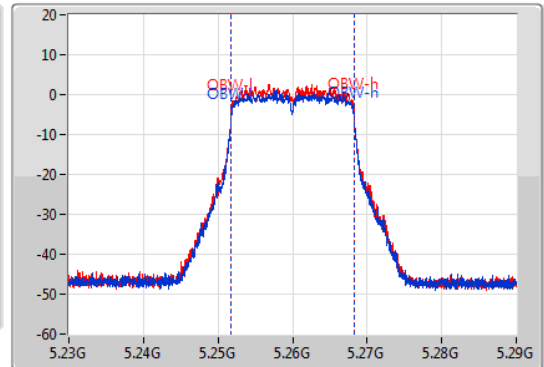
5260MHz

18/01/2022

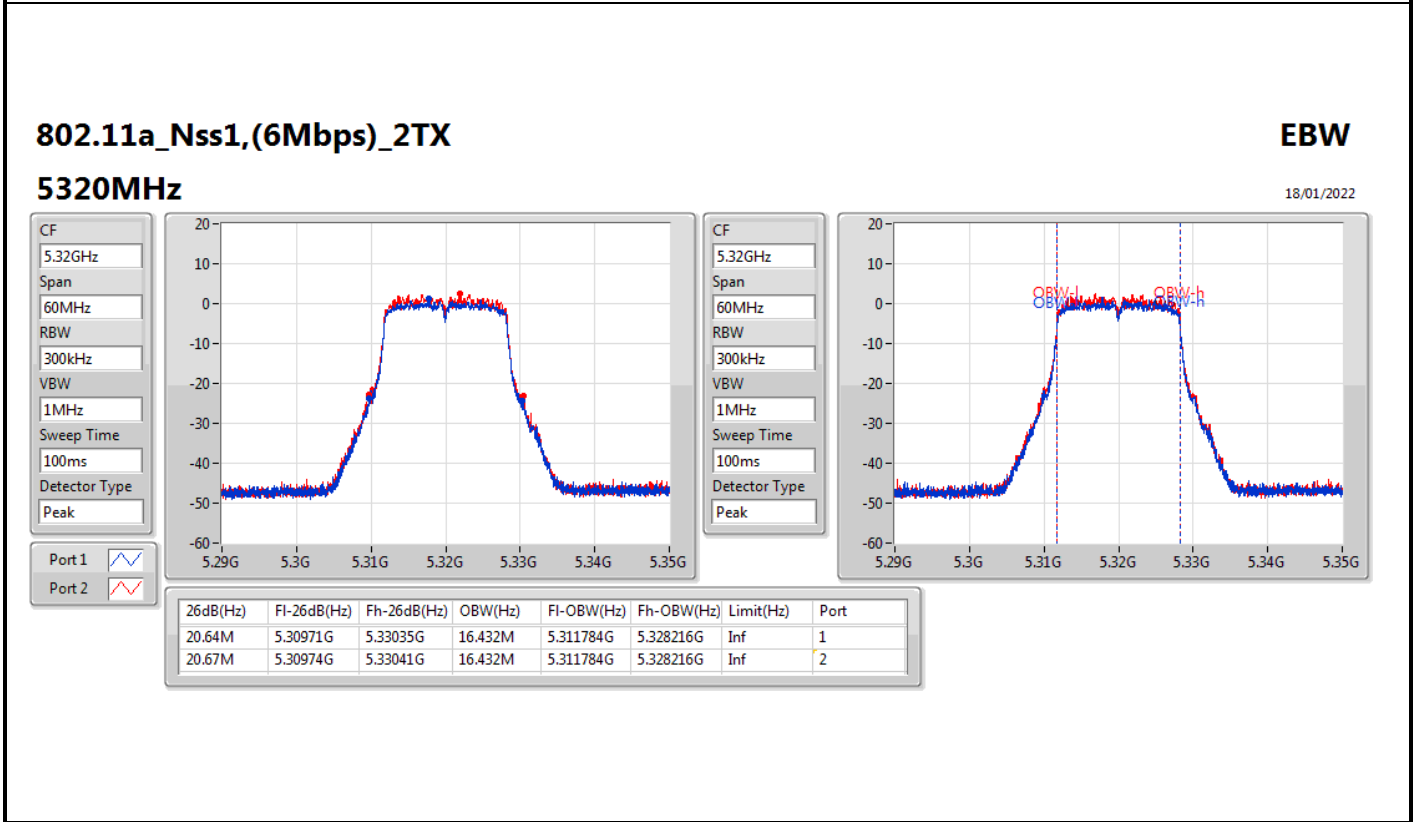
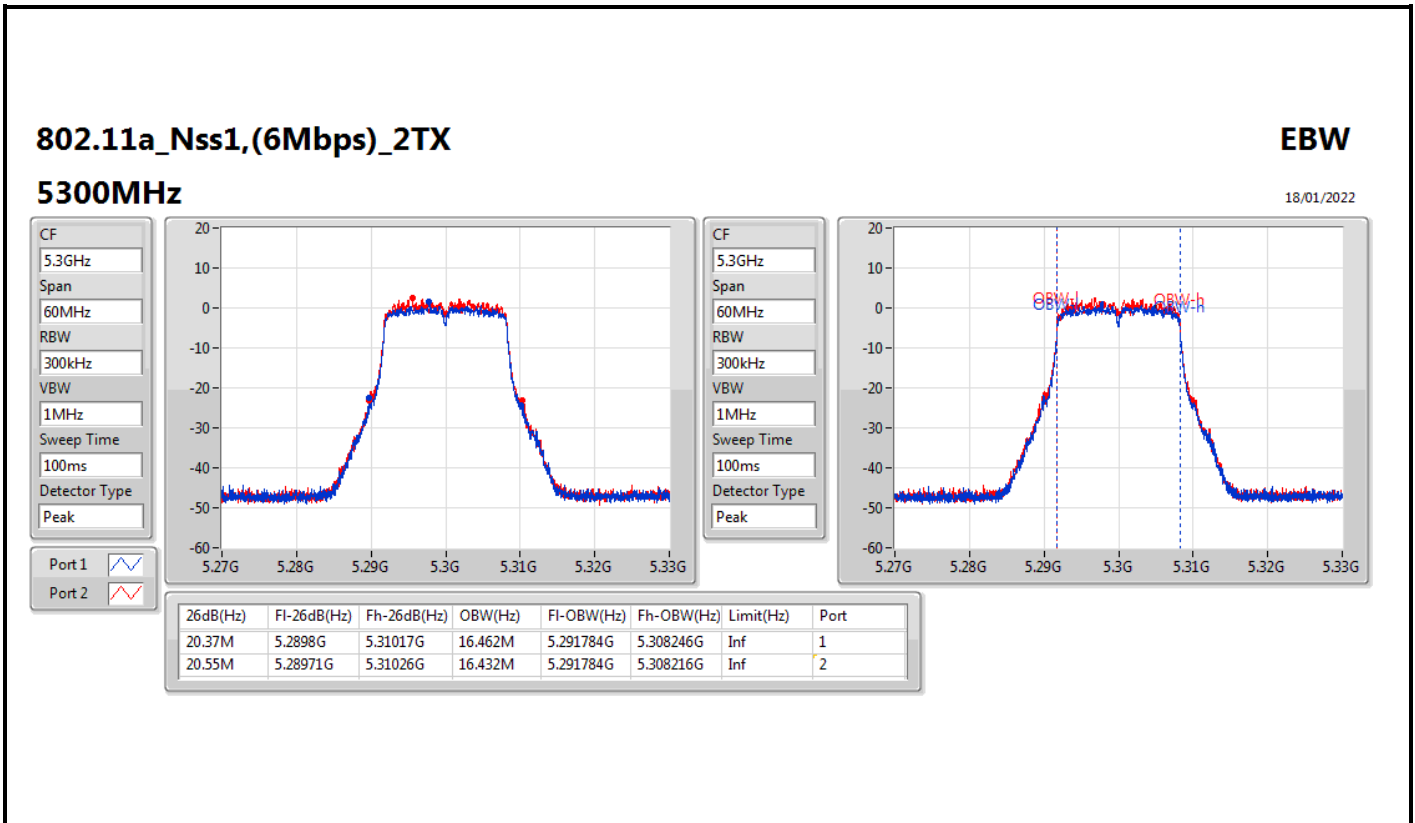
CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak

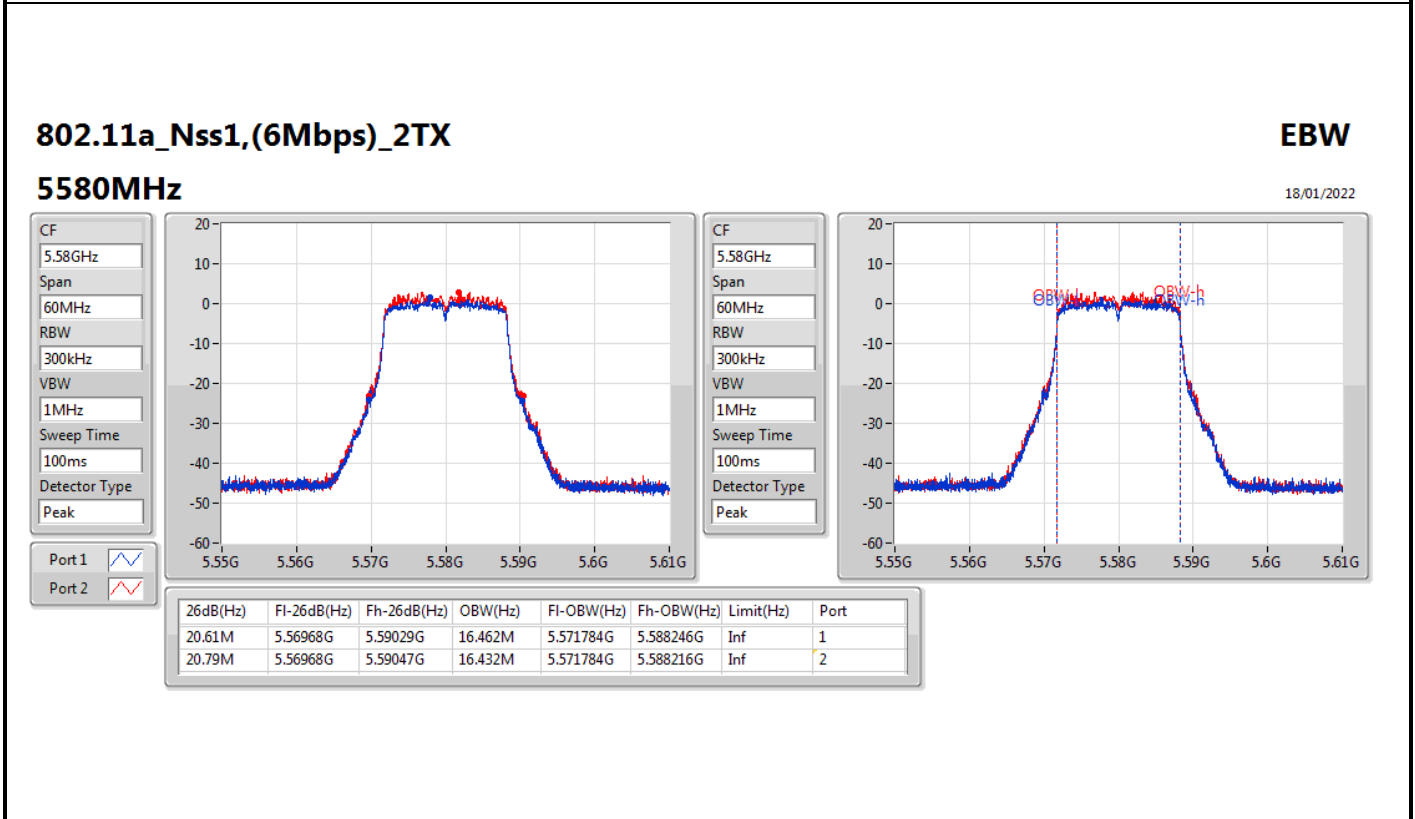
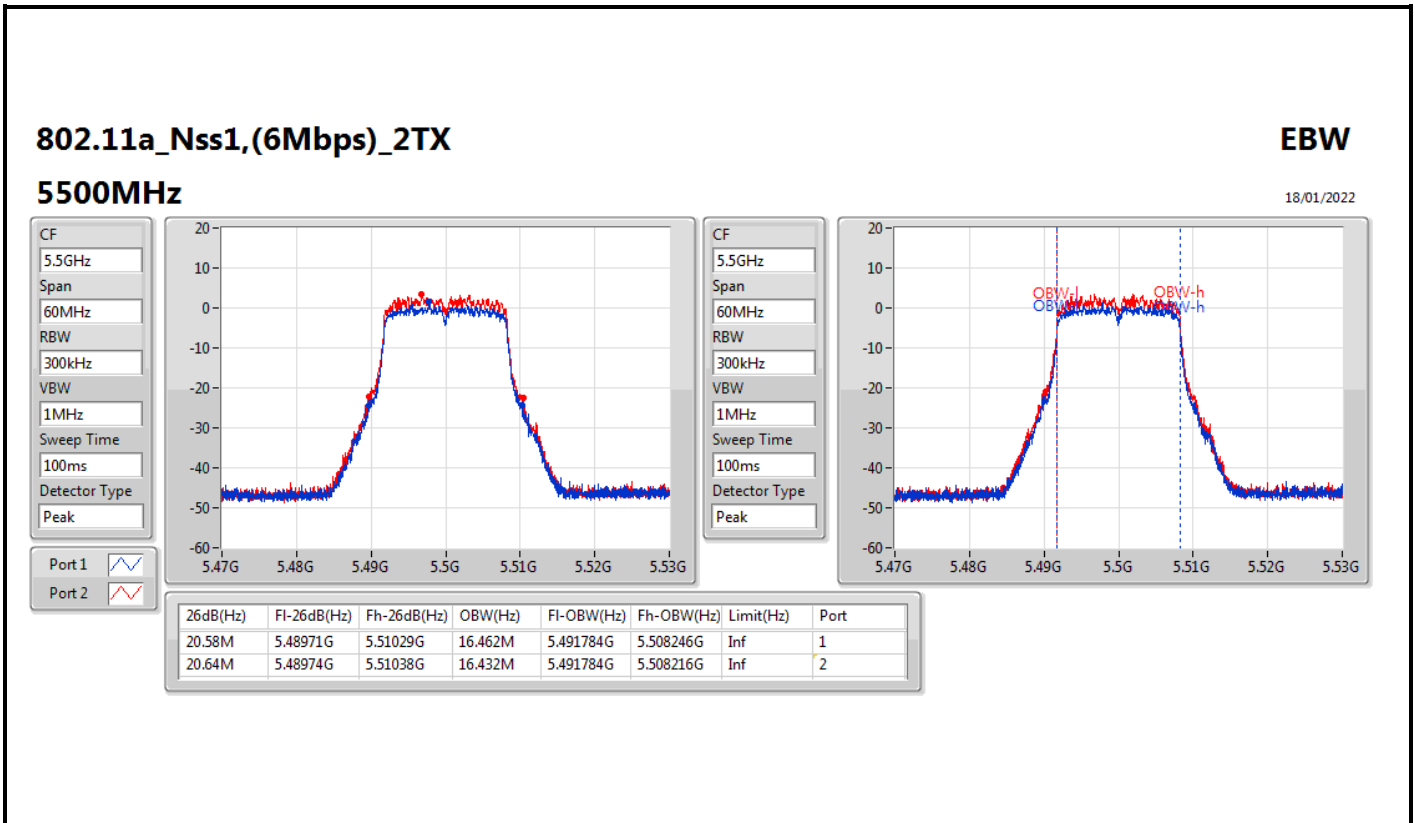


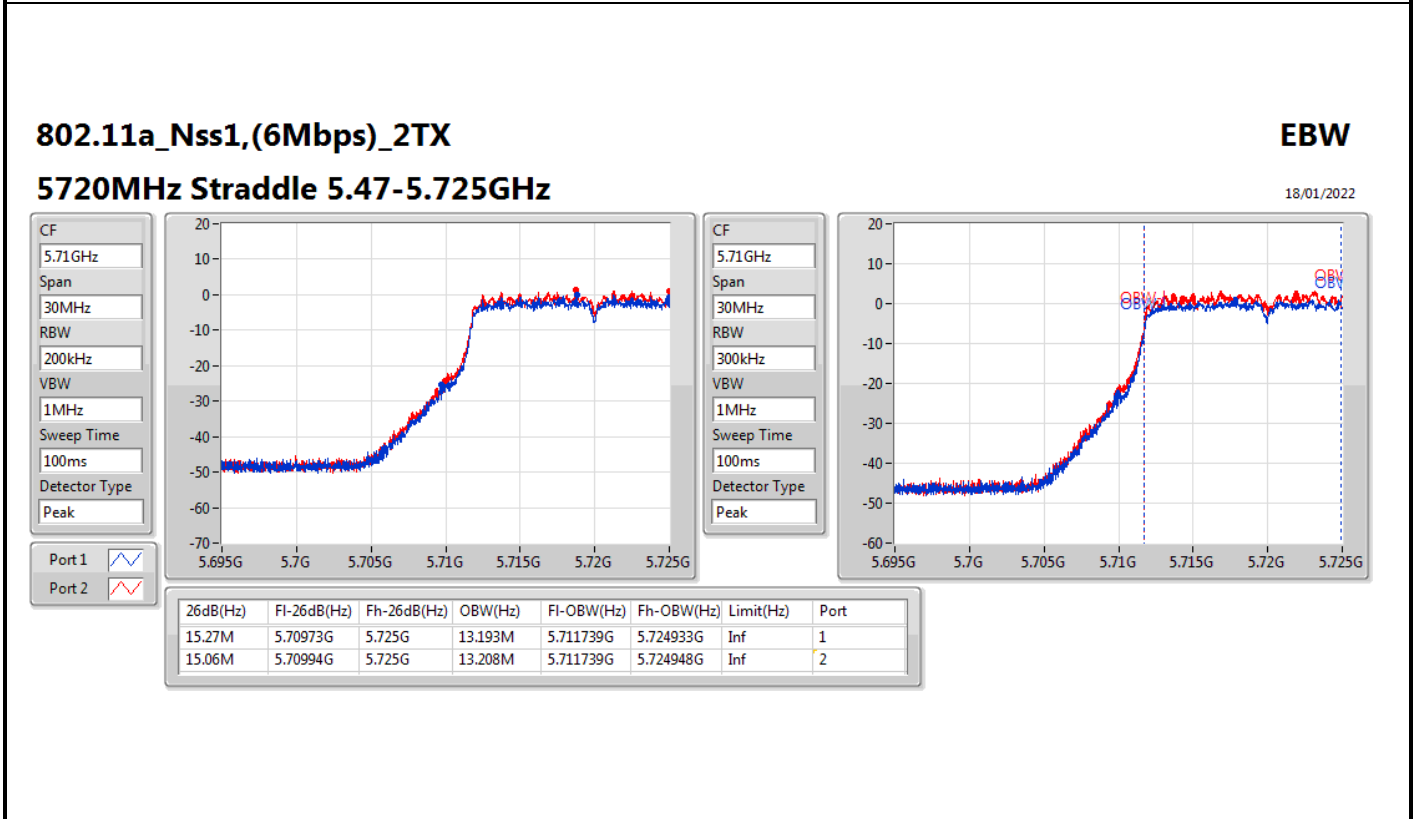
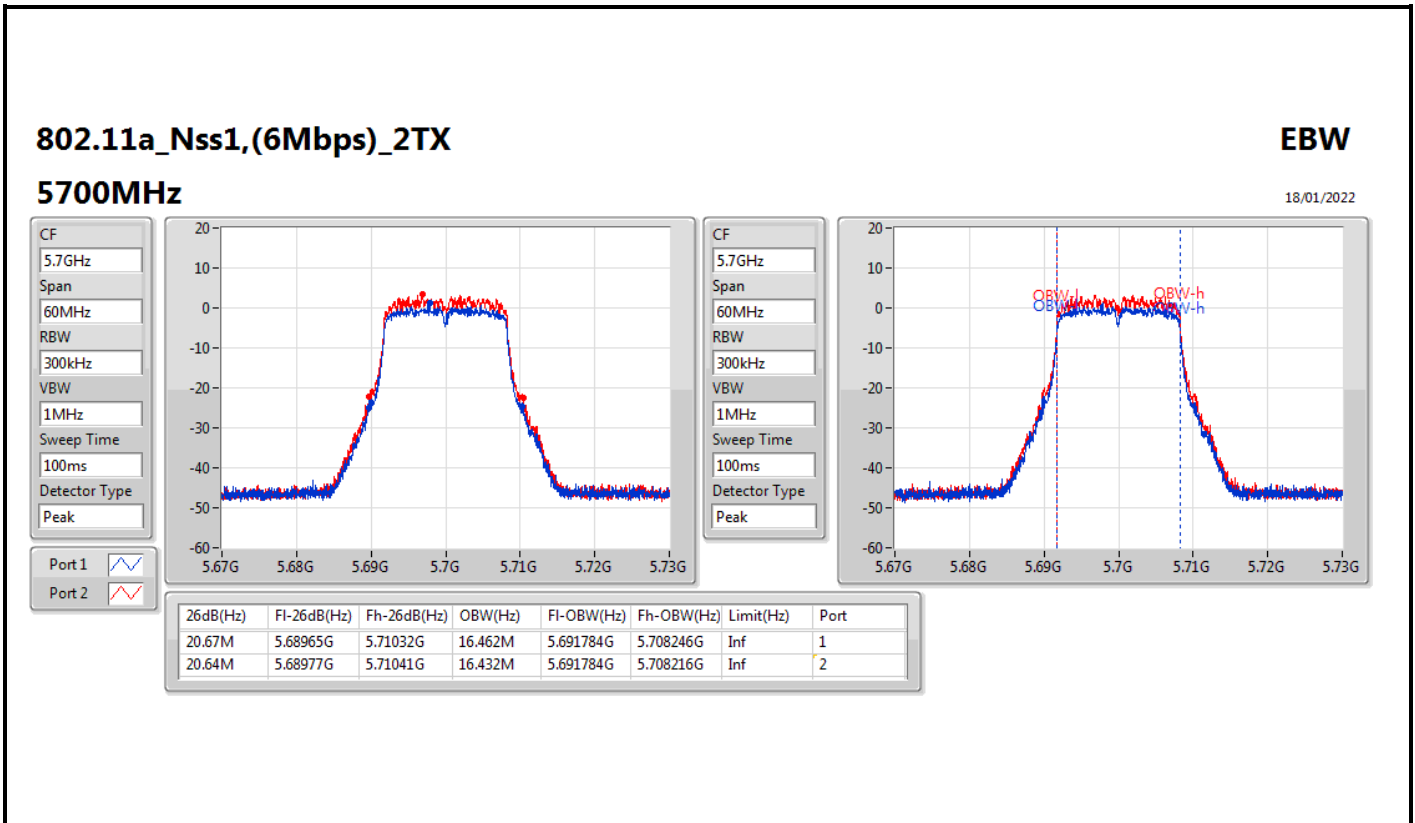
CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak

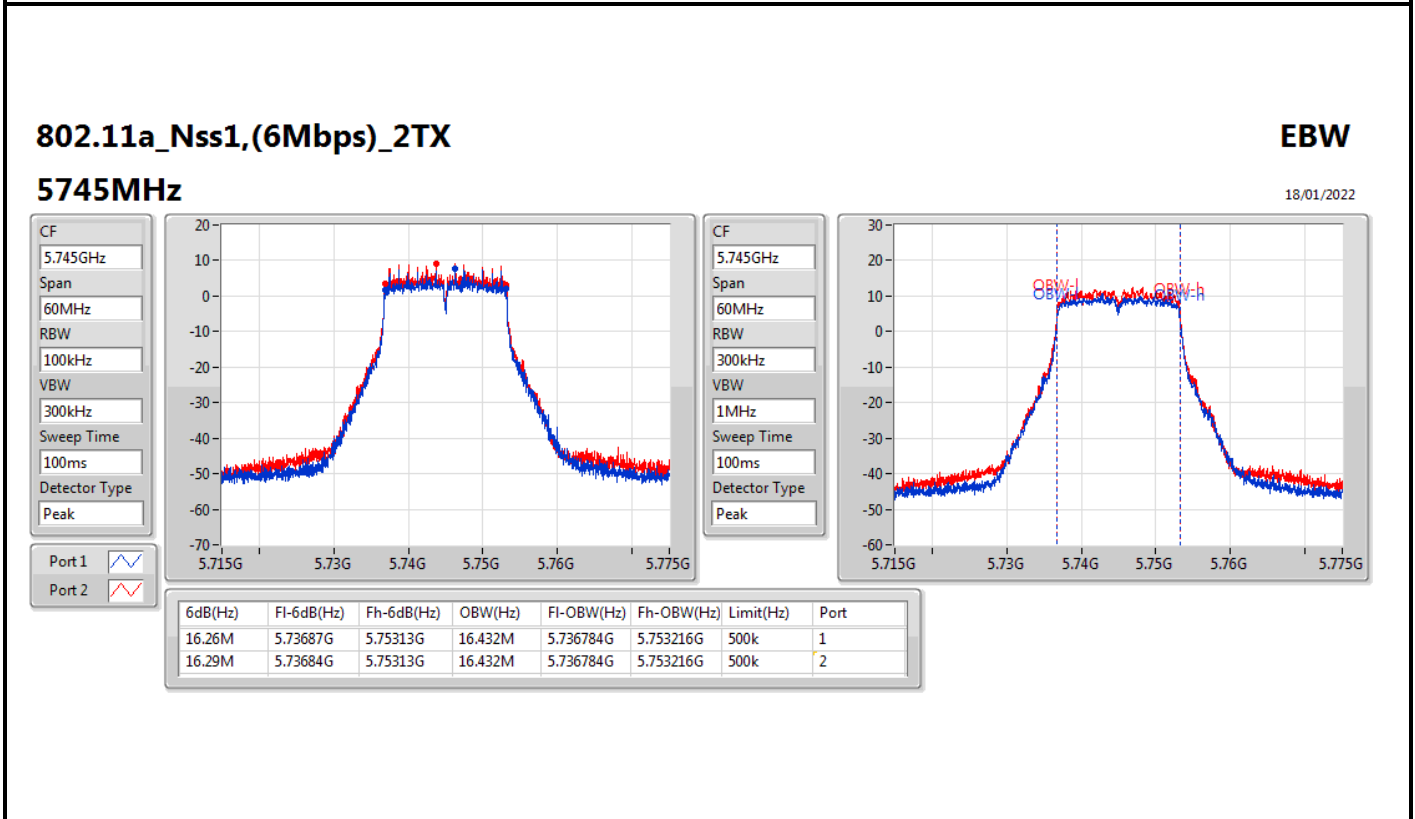
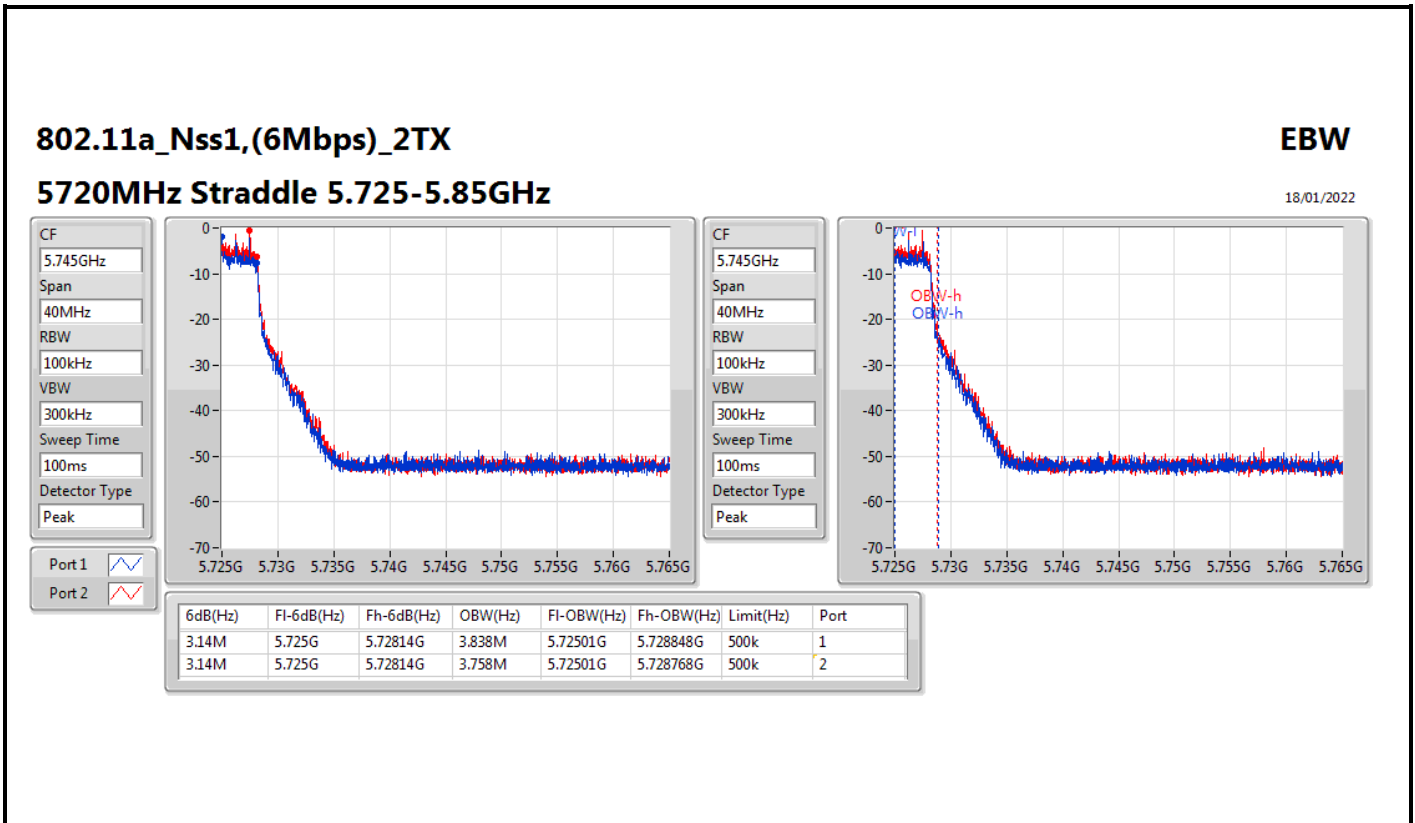


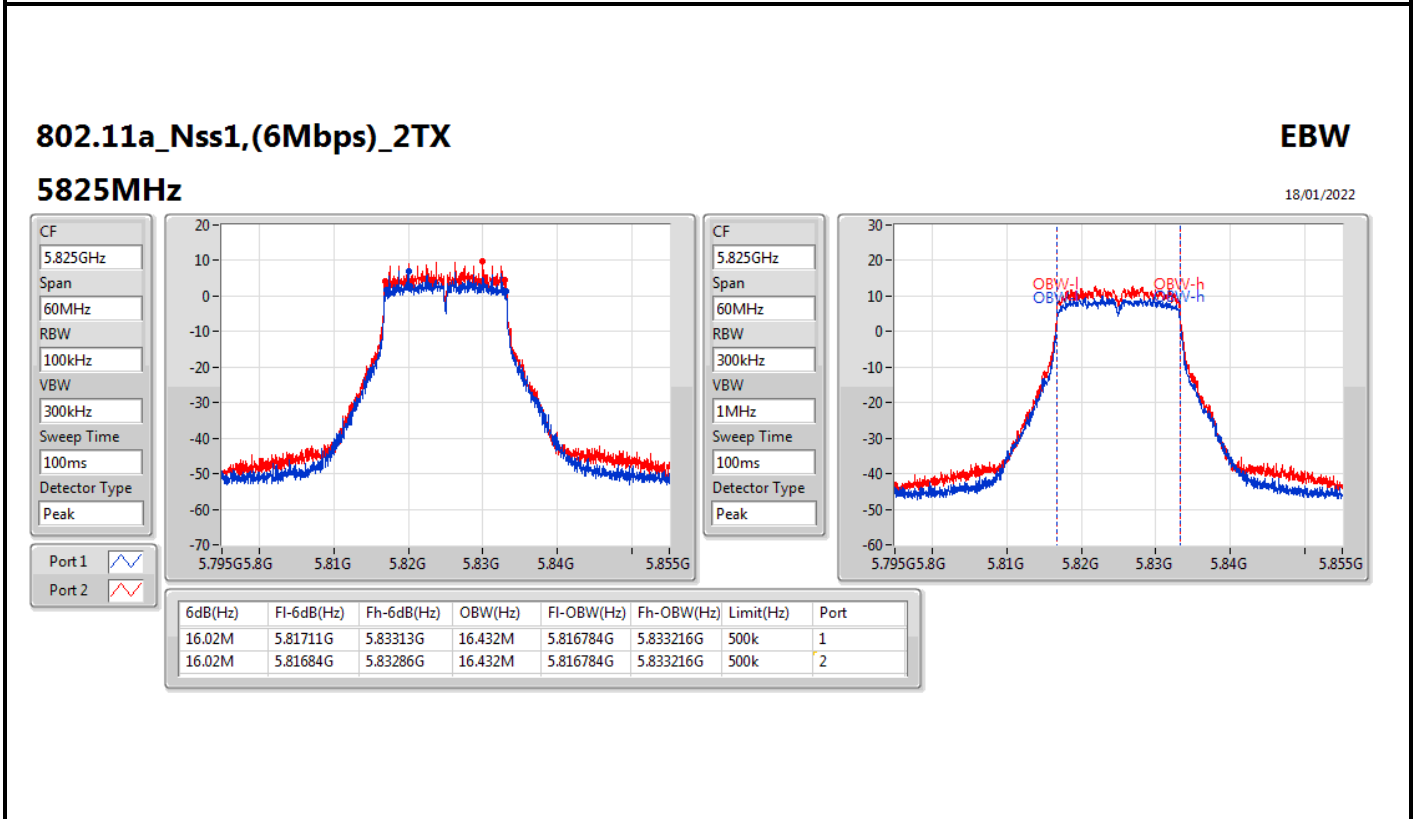
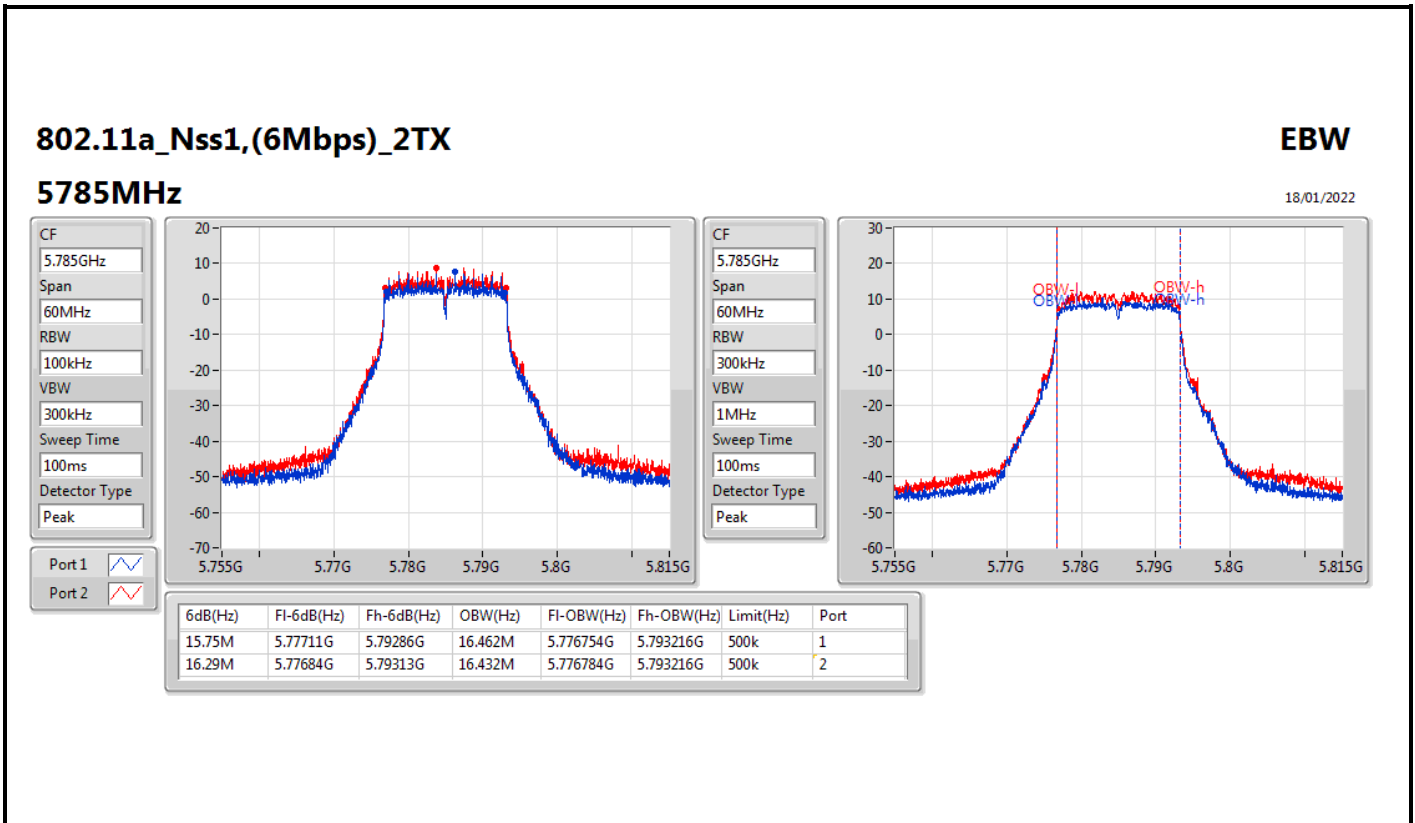
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.58M	5.24968G	5.27026G	16.432M	5.251784G	5.268216G	Inf	1
20.76M	5.24971G	5.27047G	16.432M	5.251784G	5.268216G	Inf	2









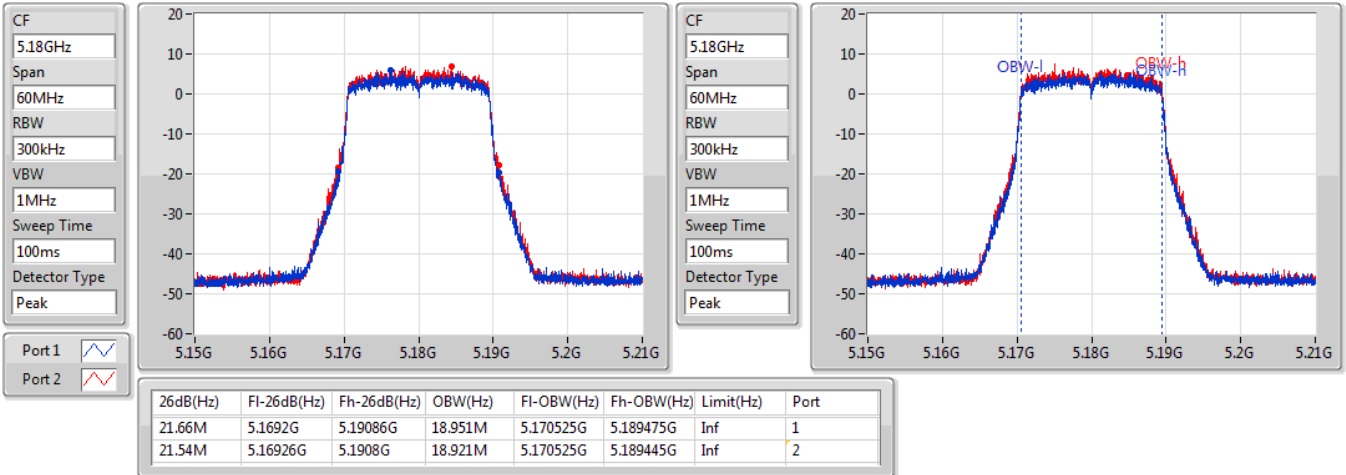


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5180MHz

18/01/2022

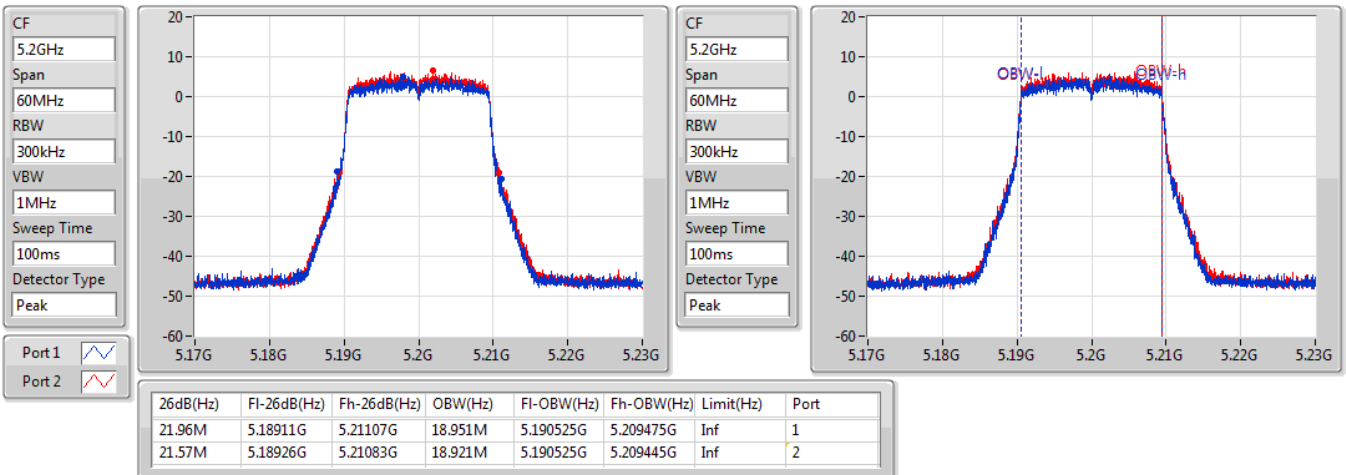


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5200MHz

18/01/2022



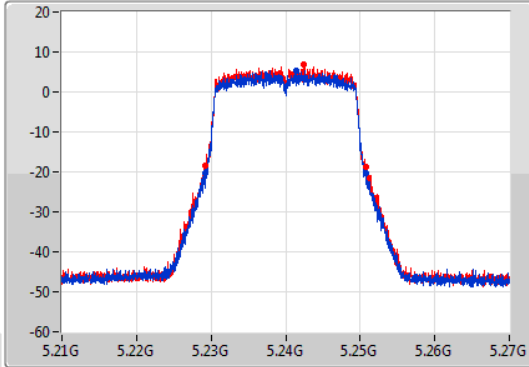
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

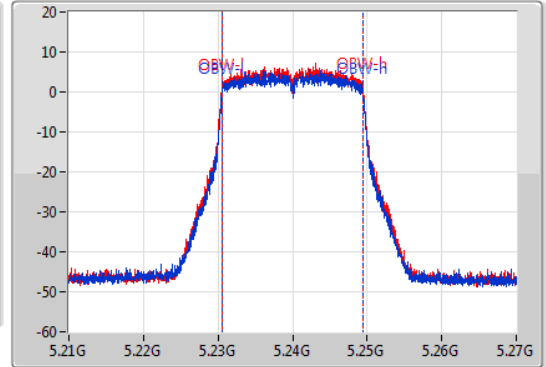
5240MHz

18/01/2022

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
21.57M	5.2292G	5.25077G	18.951M	5.230525G	5.249475G	Inf	1
21.48M	5.22923G	5.25071G	18.951M	5.230525G	5.249475G	Inf	2

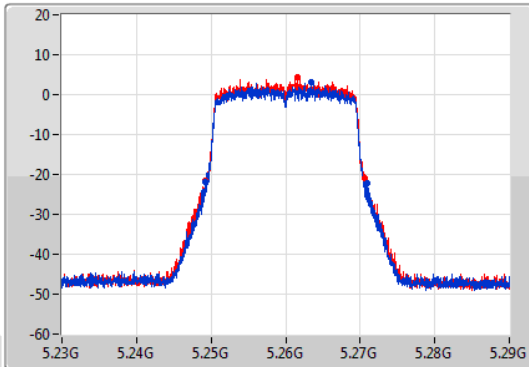
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

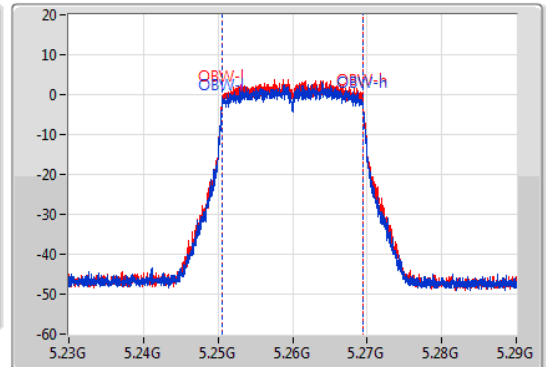
5260MHz

18/01/2022

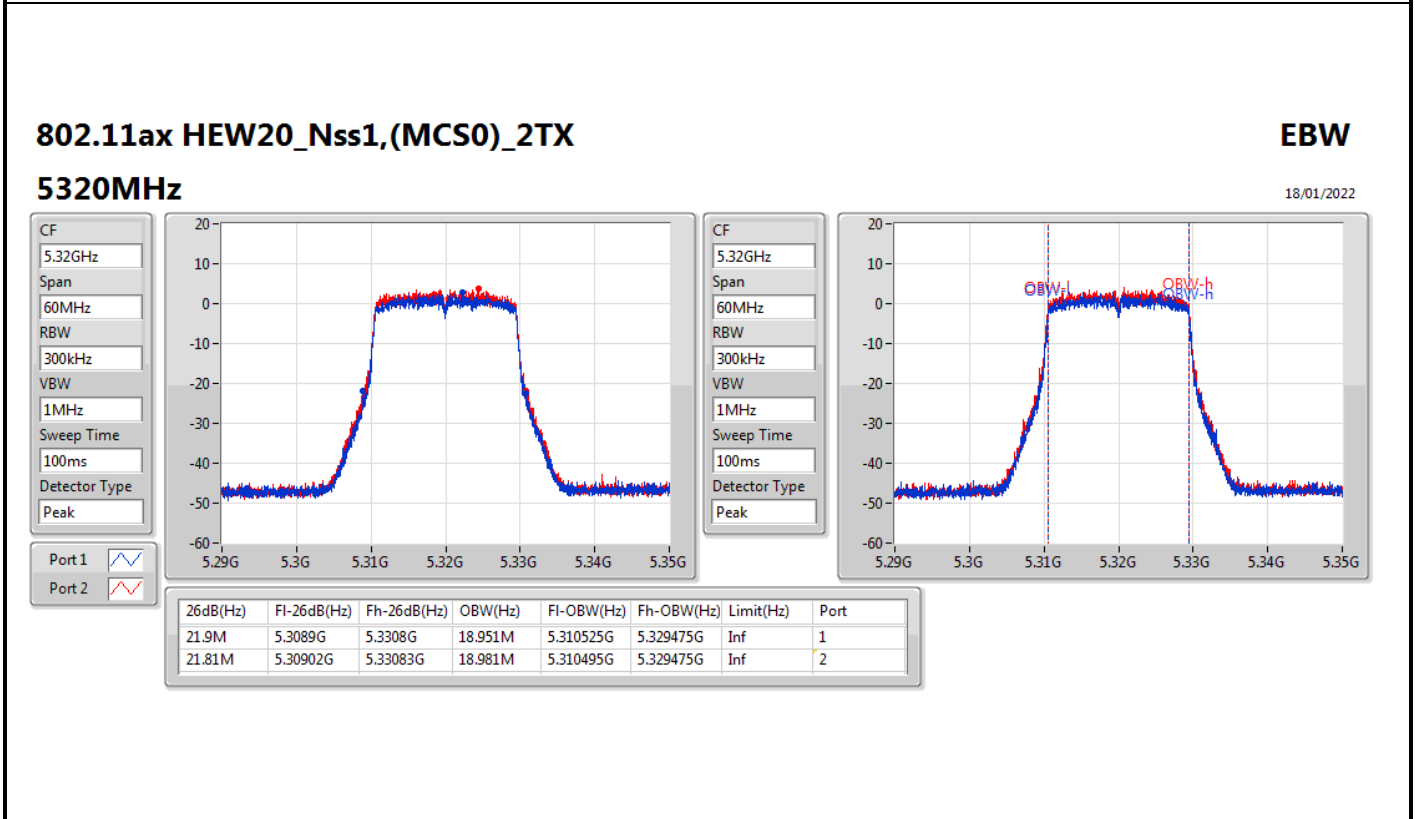
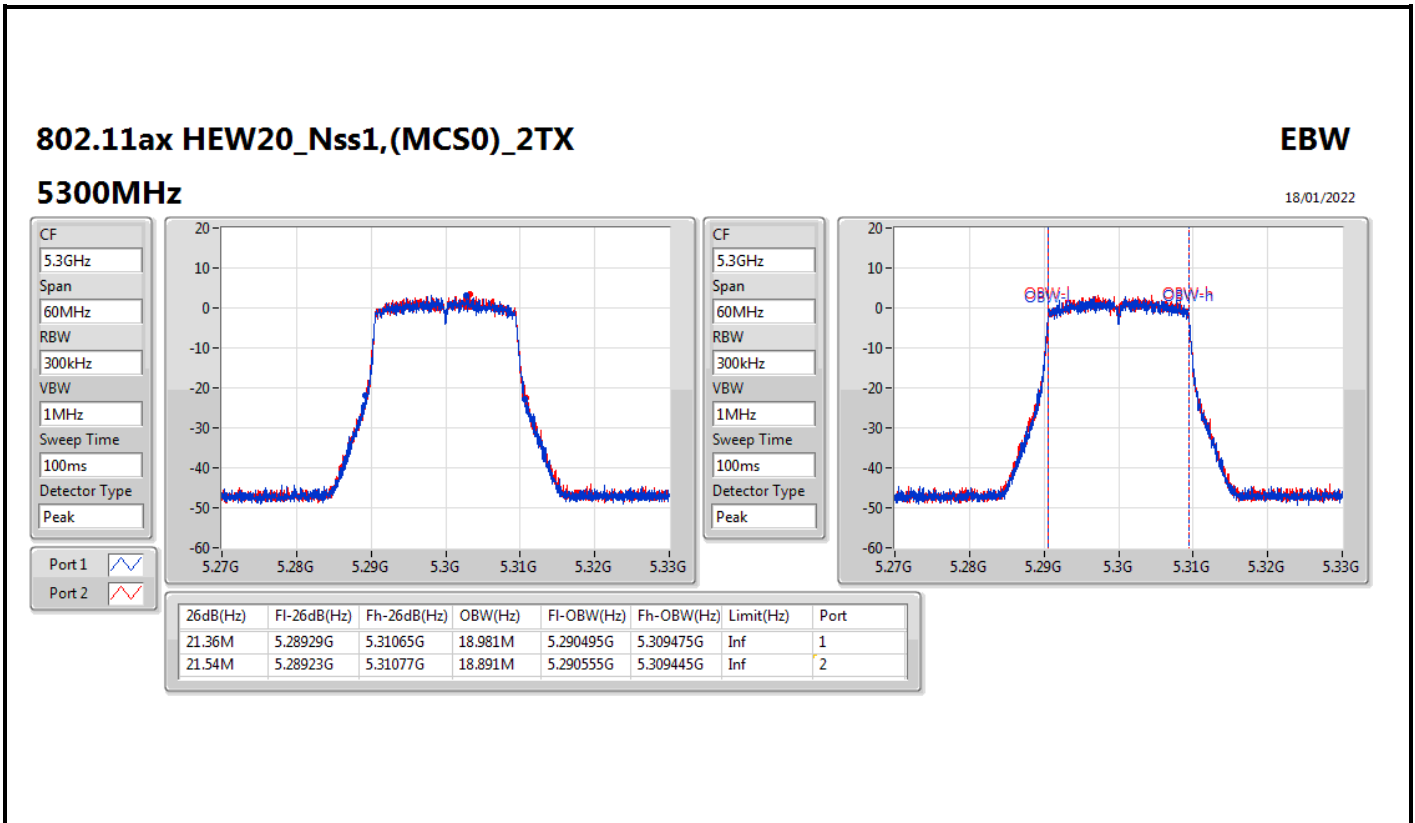
CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



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
21.63M	5.24929G	5.27092G	18.951M	5.250525G	5.269475G	Inf	1
21.42M	5.24917G	5.27059G	18.951M	5.250525G	5.269475G	Inf	2

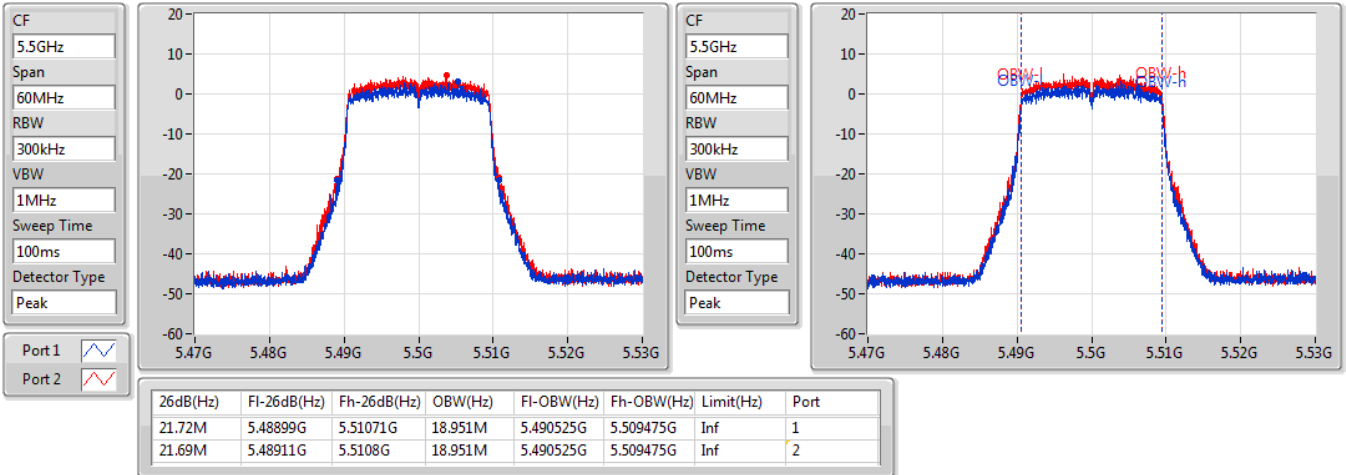


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5500MHz

18/01/2022

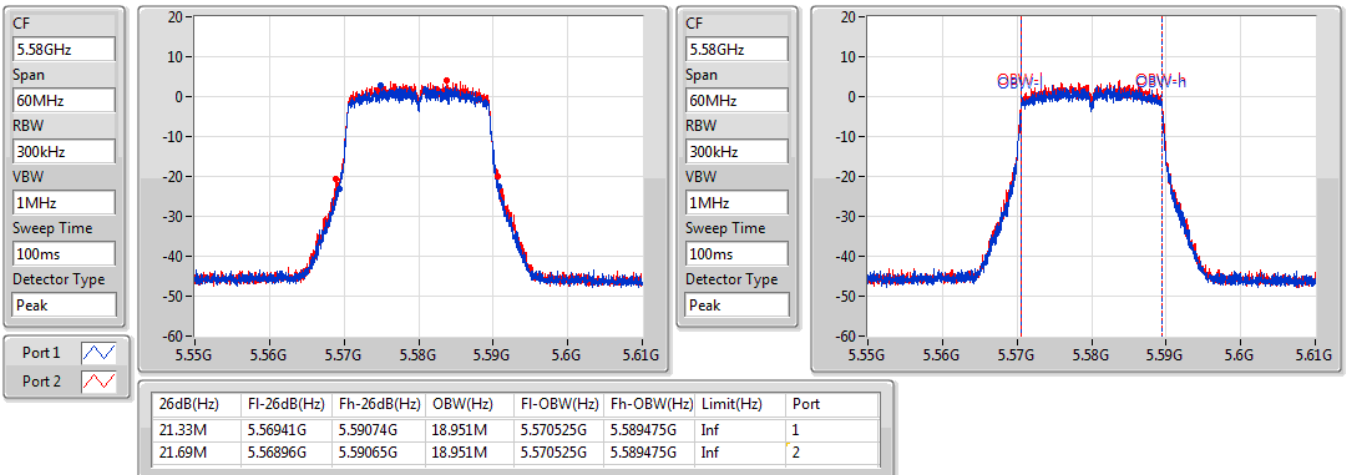


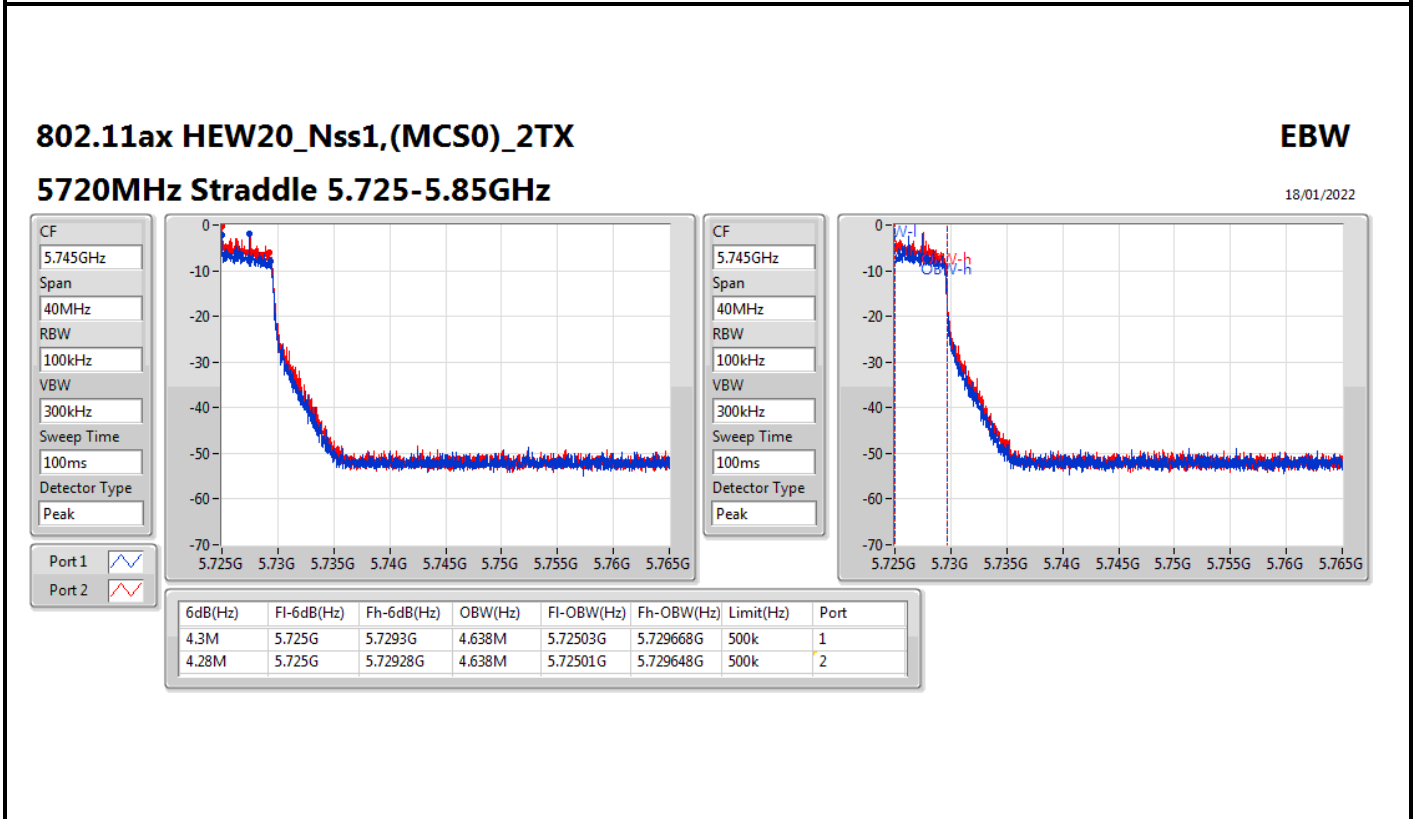
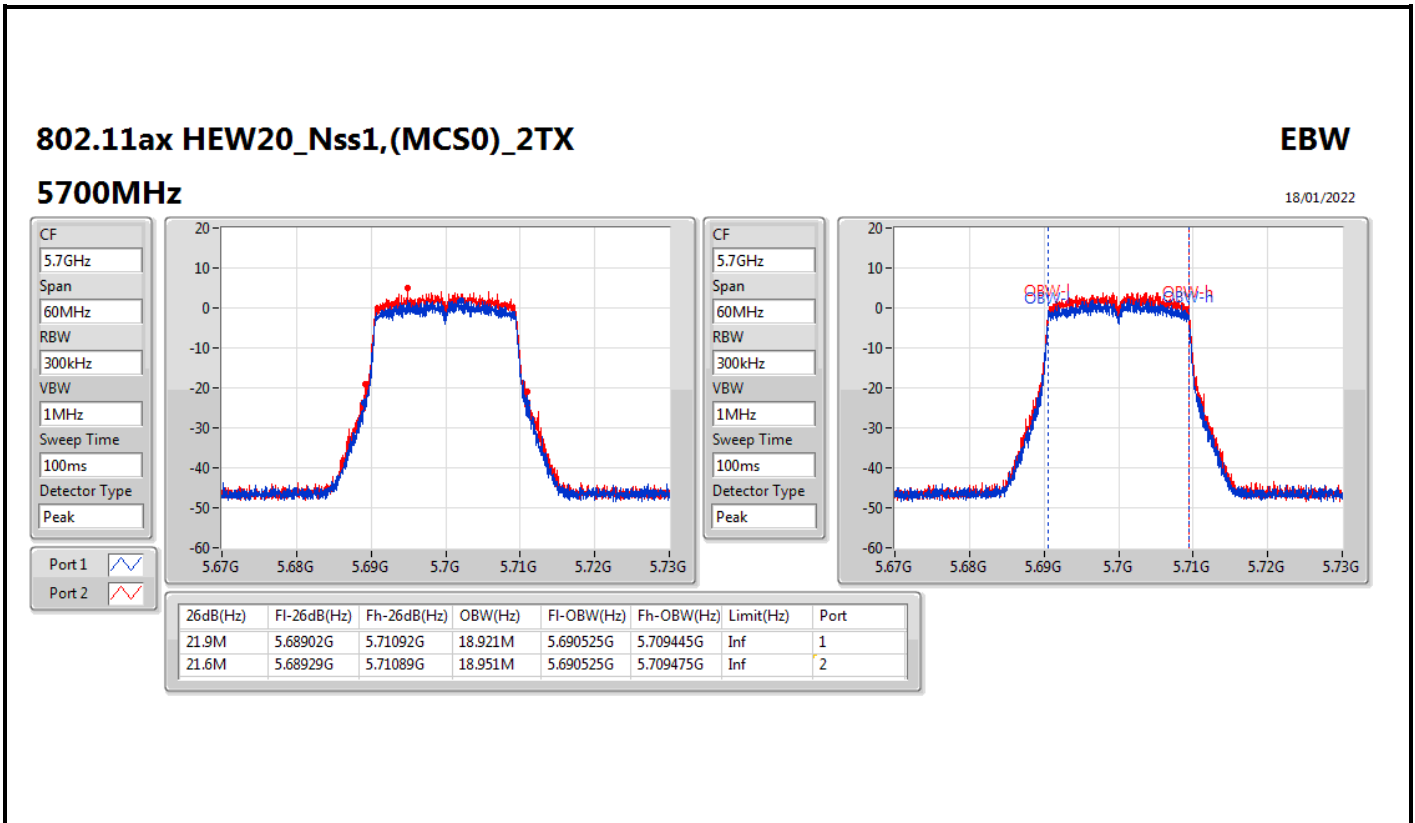
802.11ax HEW20_Nss1,(MCS0)_2TX

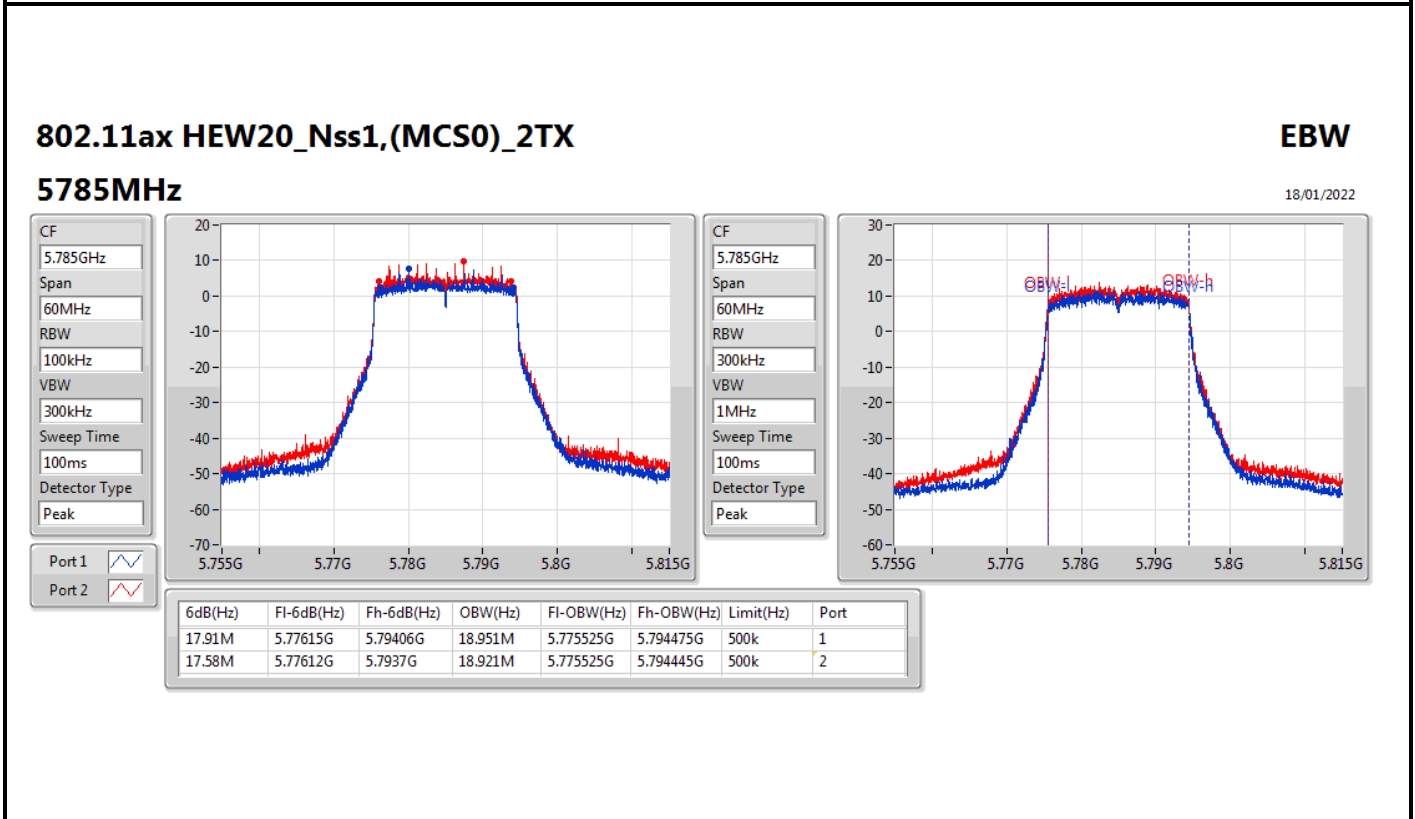
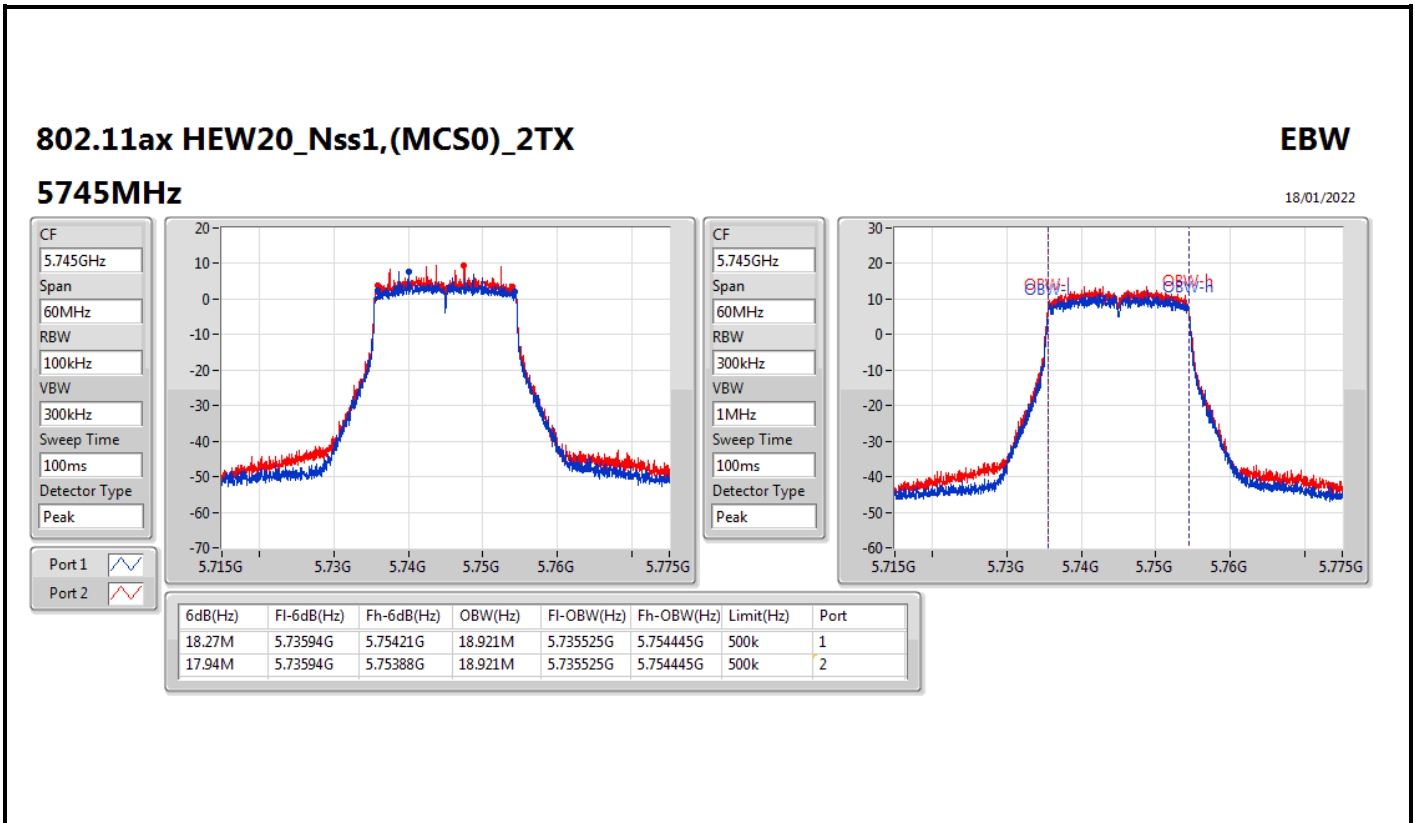
EBW

5580MHz

18/01/2022







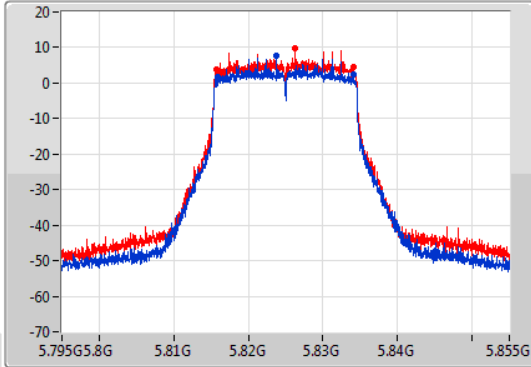
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

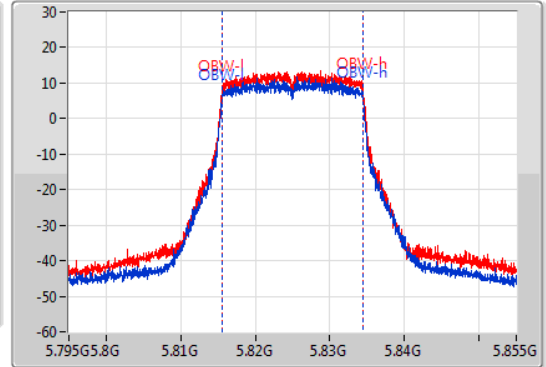
5825MHz

18/01/2022

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
18.15M	5.81588G	5.83403G	18.921M	5.815525G	5.834445G	500k	1
18.48M	5.81567G	5.83415G	18.921M	5.815525G	5.834445G	500k	2

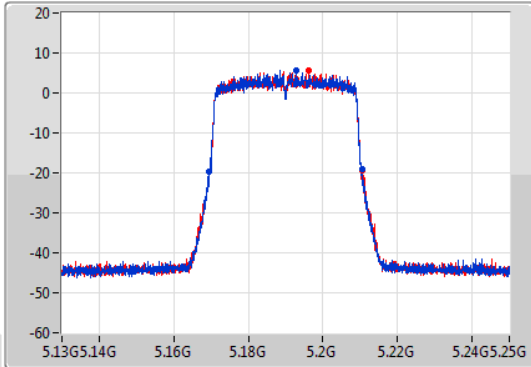
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

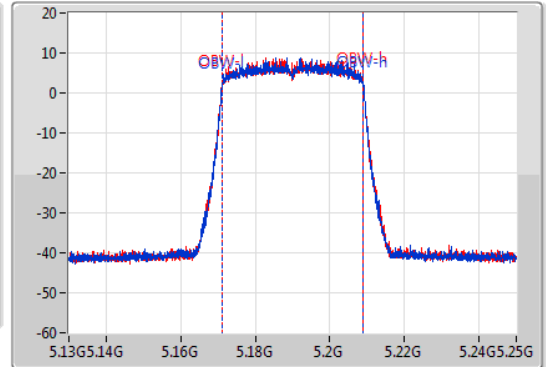
5190MHz

18/01/2022

CF
5.19GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.19GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



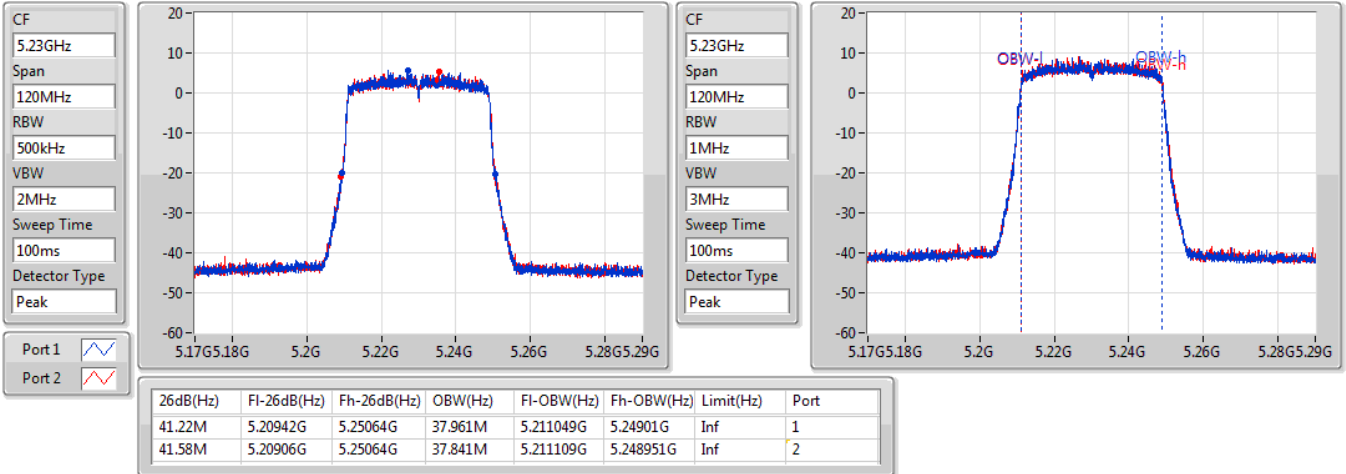
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.1M	5.16942G	5.21052G	37.841M	5.171109G	5.208951G	Inf	1
41.16M	5.16954G	5.2107G	37.901M	5.171049G	5.208951G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5230MHz

18/01/2022

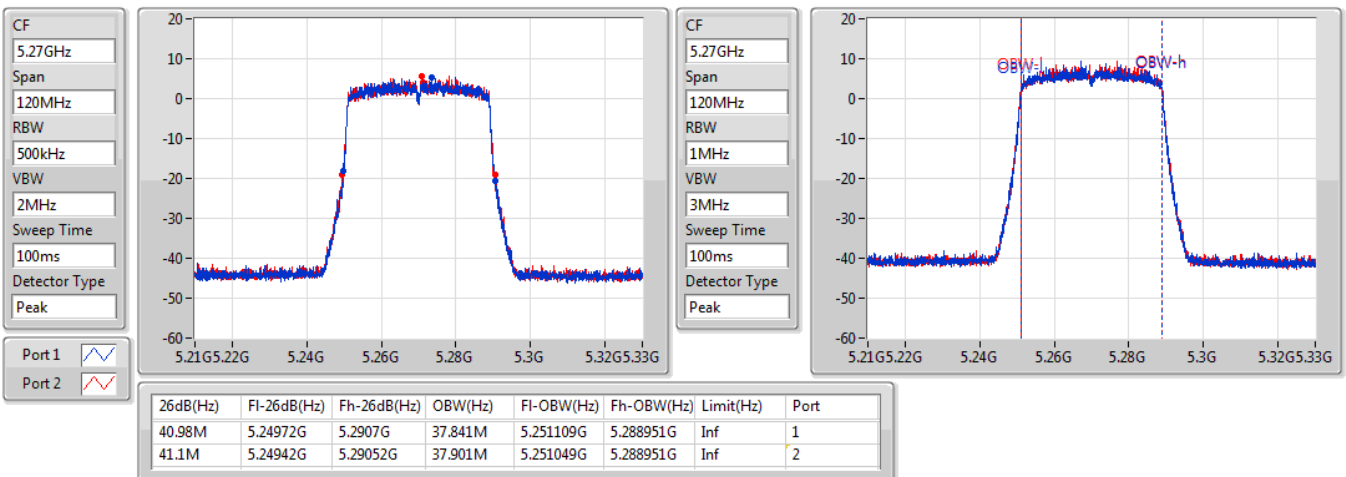


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5270MHz

18/01/2022

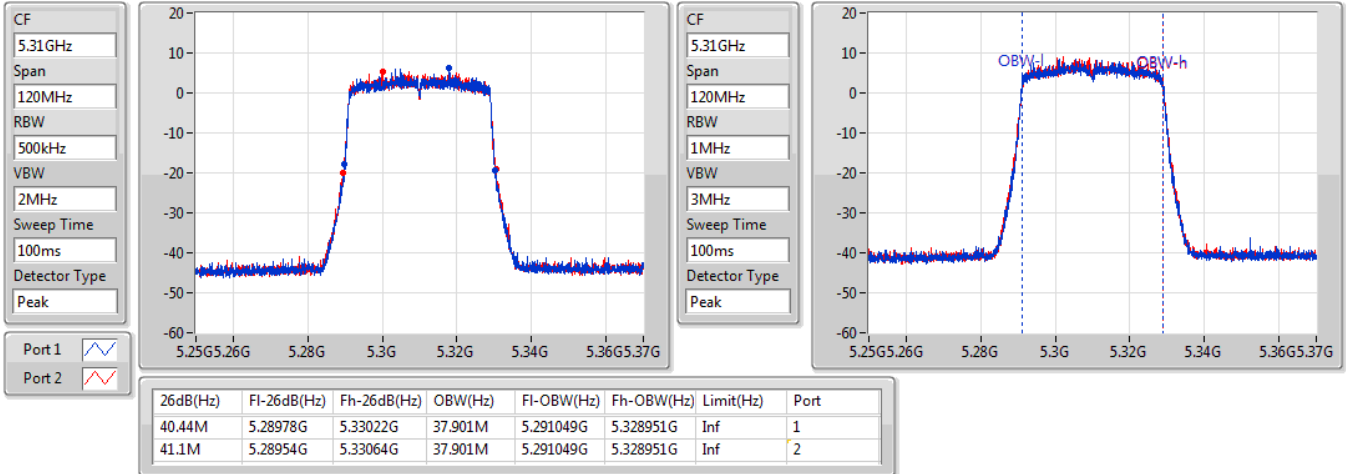


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5310MHz

18/01/2022

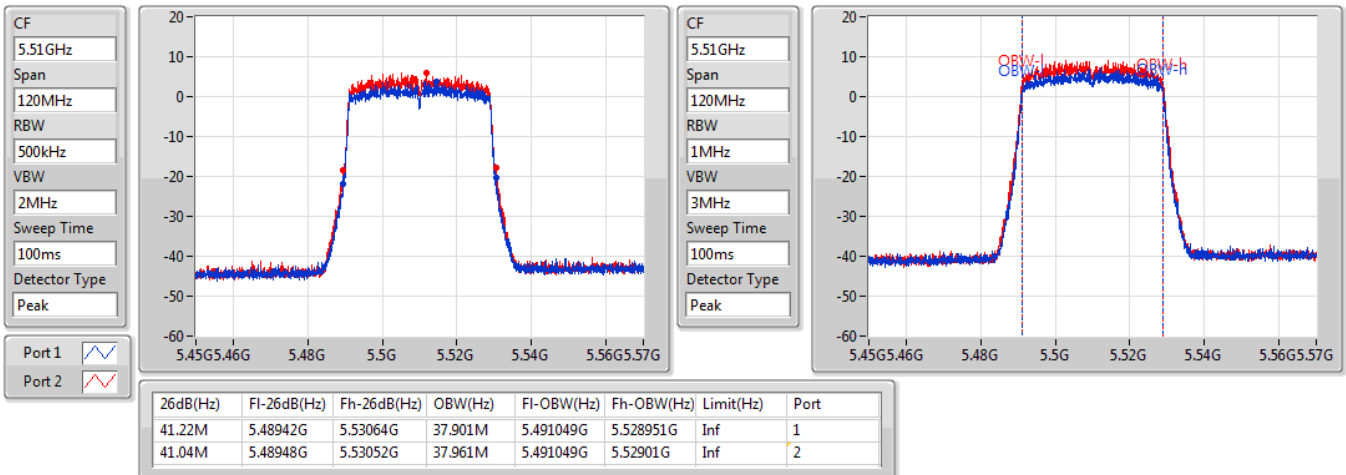


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5510MHz

18/01/2022

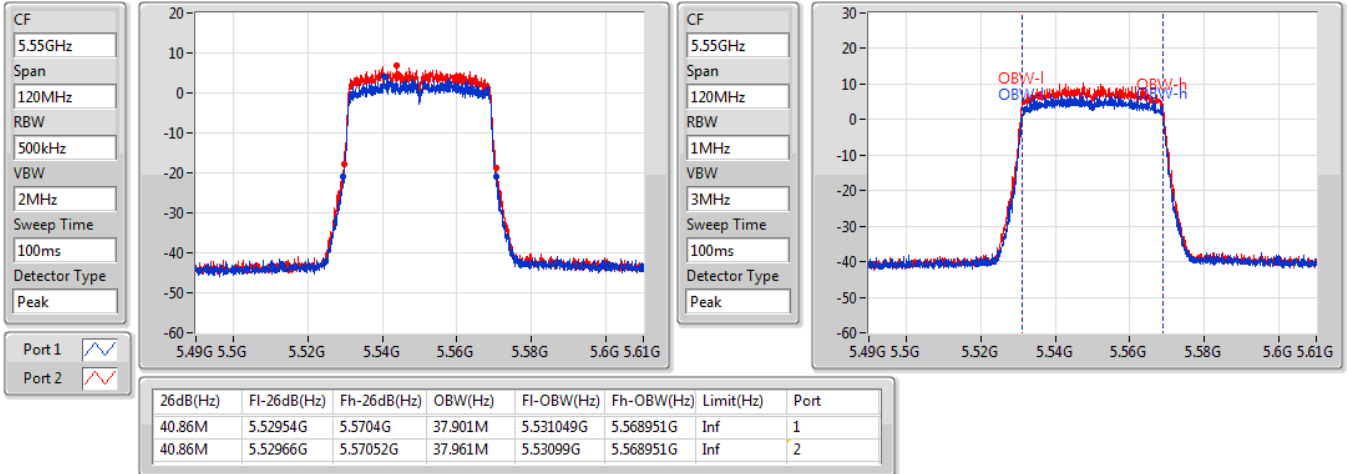


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5550MHz

18/01/2022

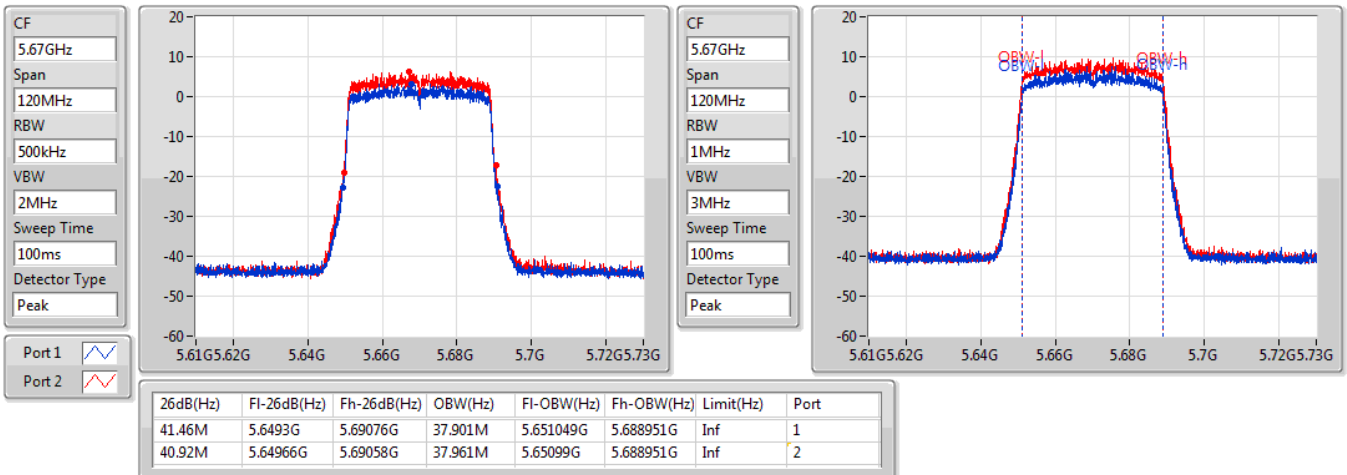


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5670MHz

18/01/2022

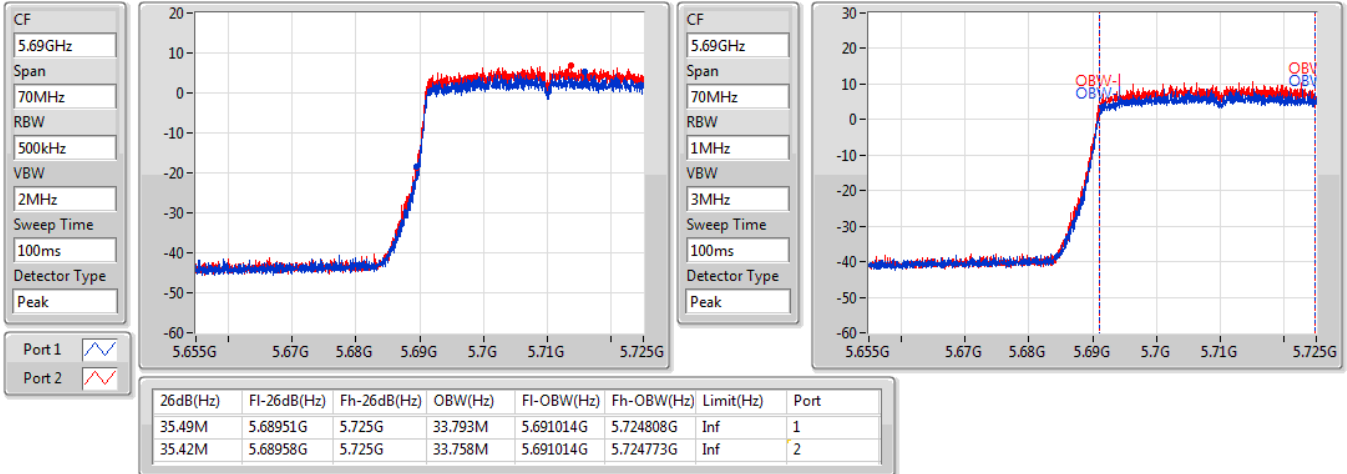


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

18/01/2022

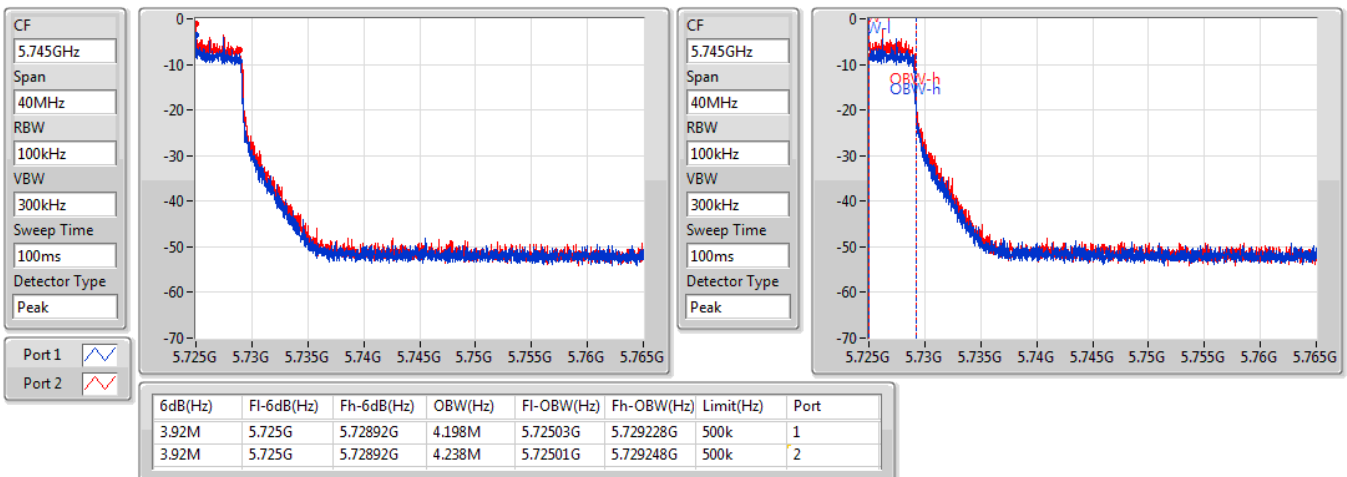


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

18/01/2022

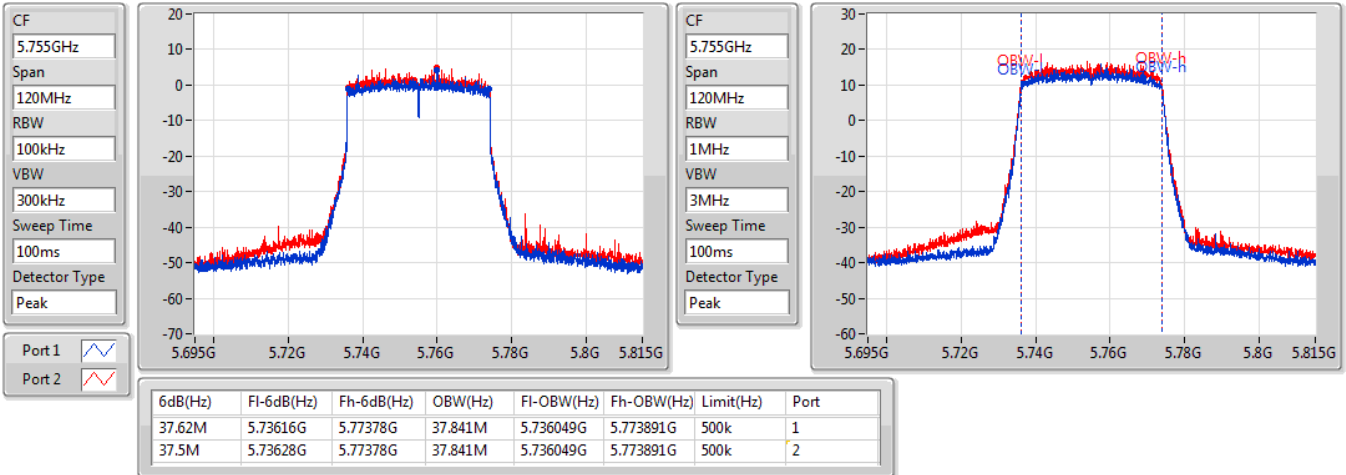


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

18/01/2022

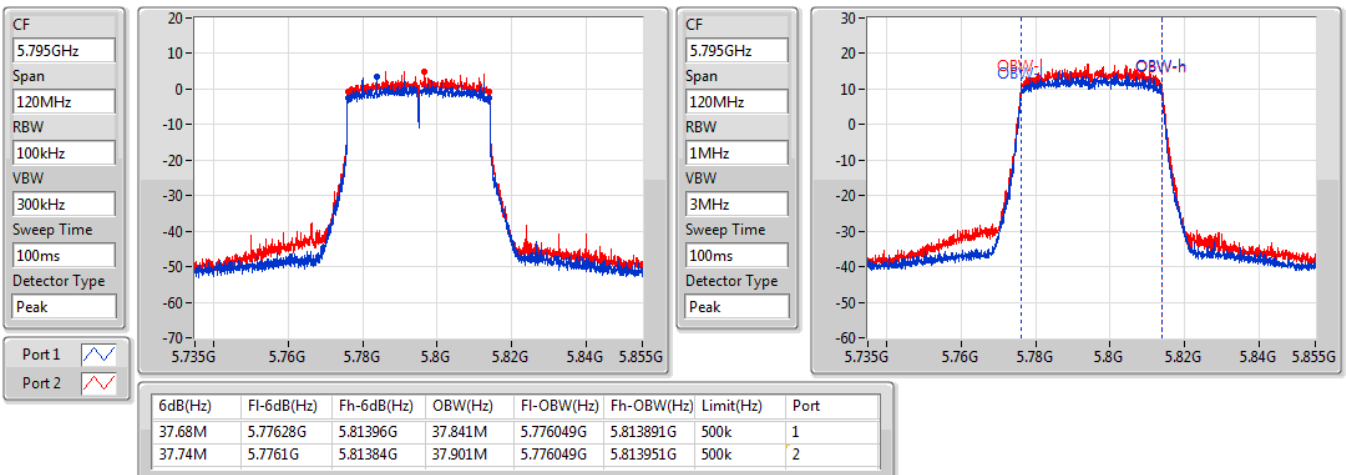


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

18/01/2022



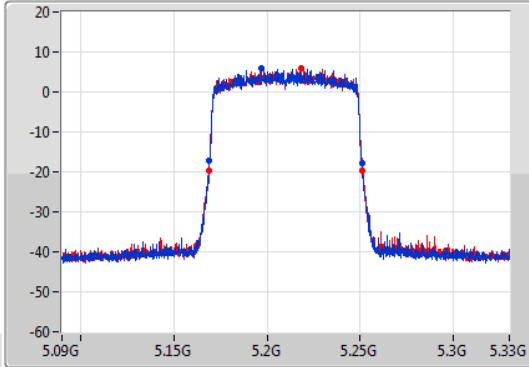
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

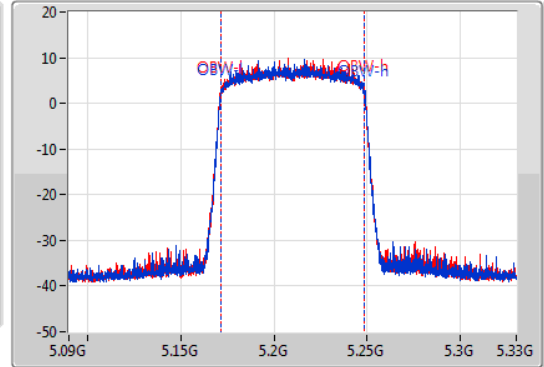
5210MHz

18/01/2022

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
82.32M	5.16908G	5.2514G	77.241M	5.171379G	5.248621G	Inf	1
82.44M	5.16872G	5.25116G	77.241M	5.171379G	5.248621G	Inf	2

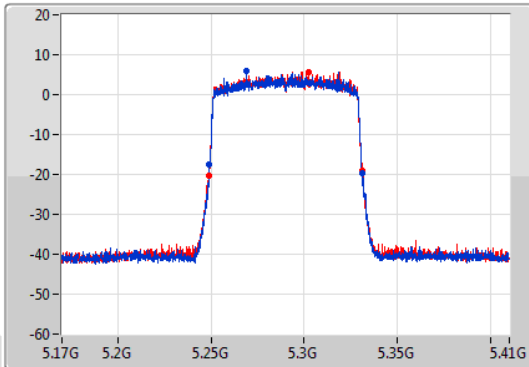
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

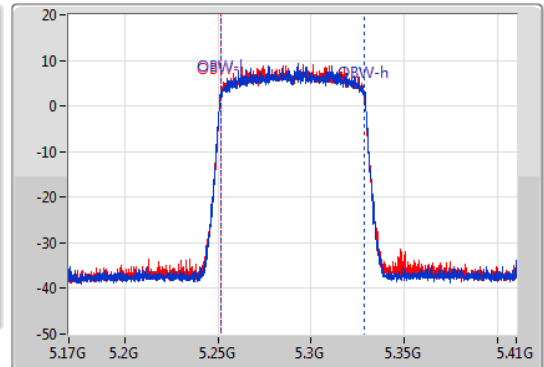
5290MHz

18/01/2022

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
82.08M	5.24908G	5.33116G	77.481M	5.251259G	5.328741G	Inf	1
82.44M	5.2486G	5.33104G	77.121M	5.251379G	5.328501G	Inf	2

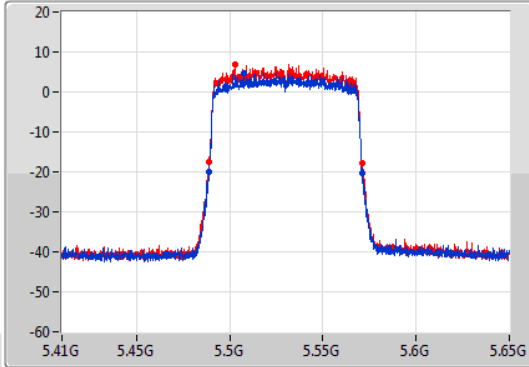
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

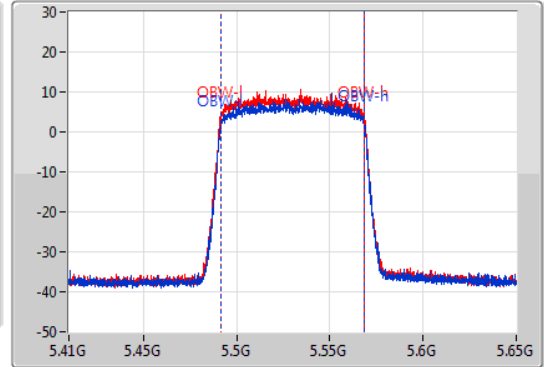
5530MHz

18/01/2022

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
82.8M	5.4886G	5.5714G	77.241M	5.491379G	5.568621G	Inf	1
81.96M	5.48896G	5.57092G	77.361M	5.491259G	5.568621G	Inf	2

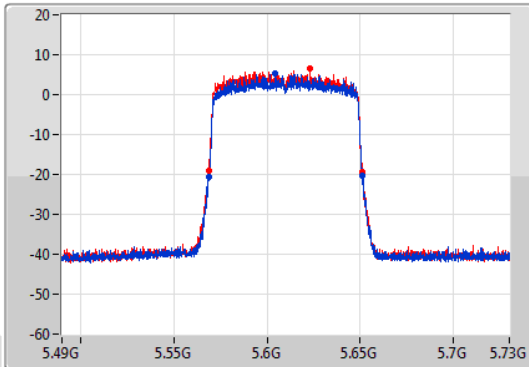
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

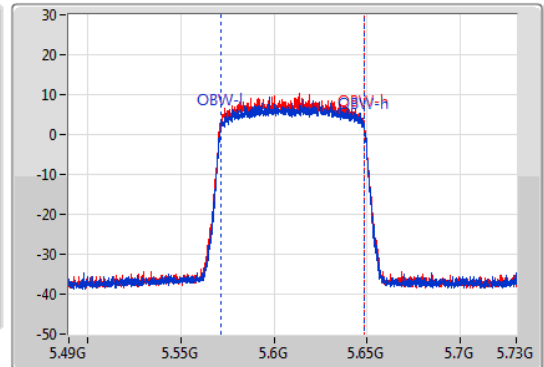
5610MHz

18/01/2022

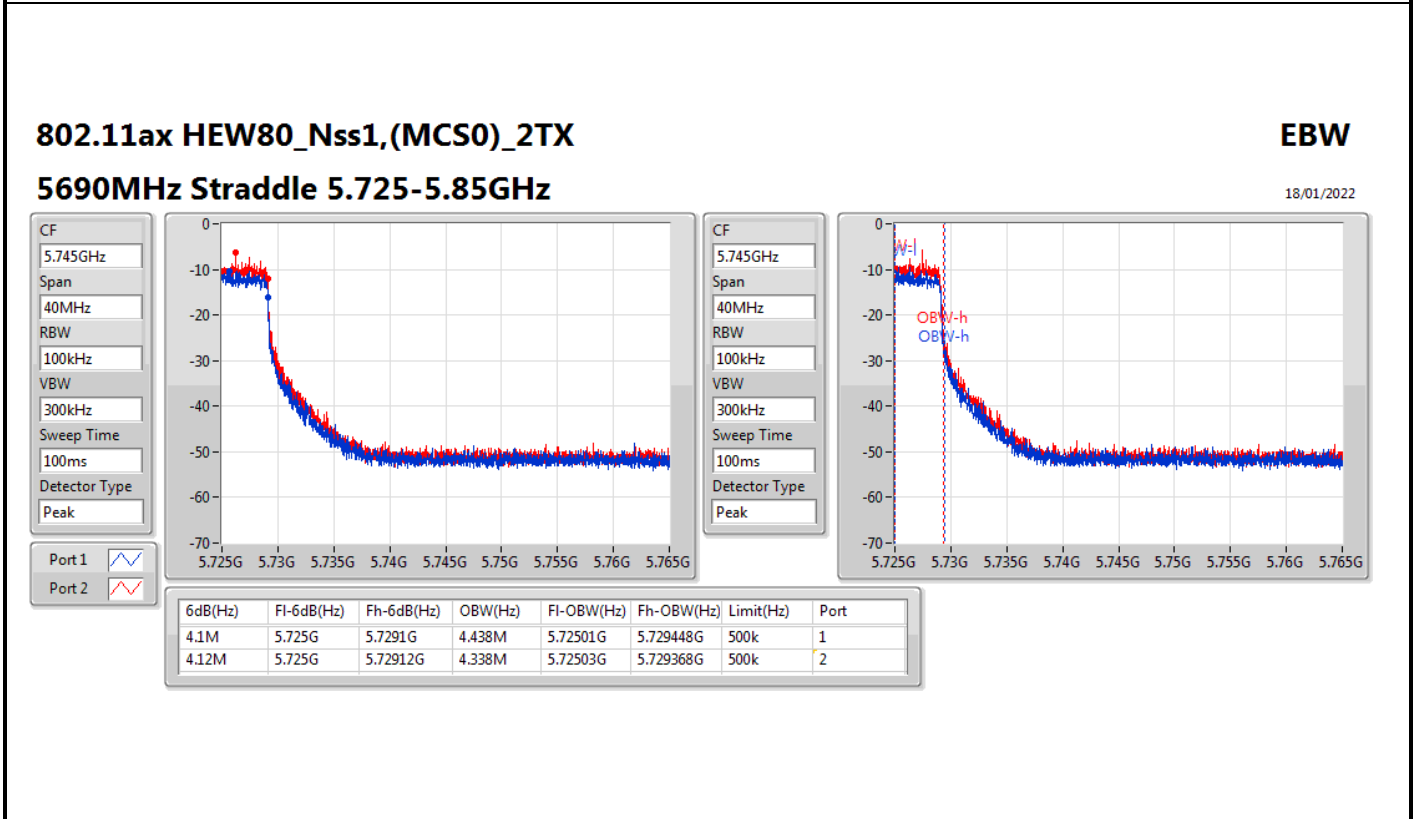
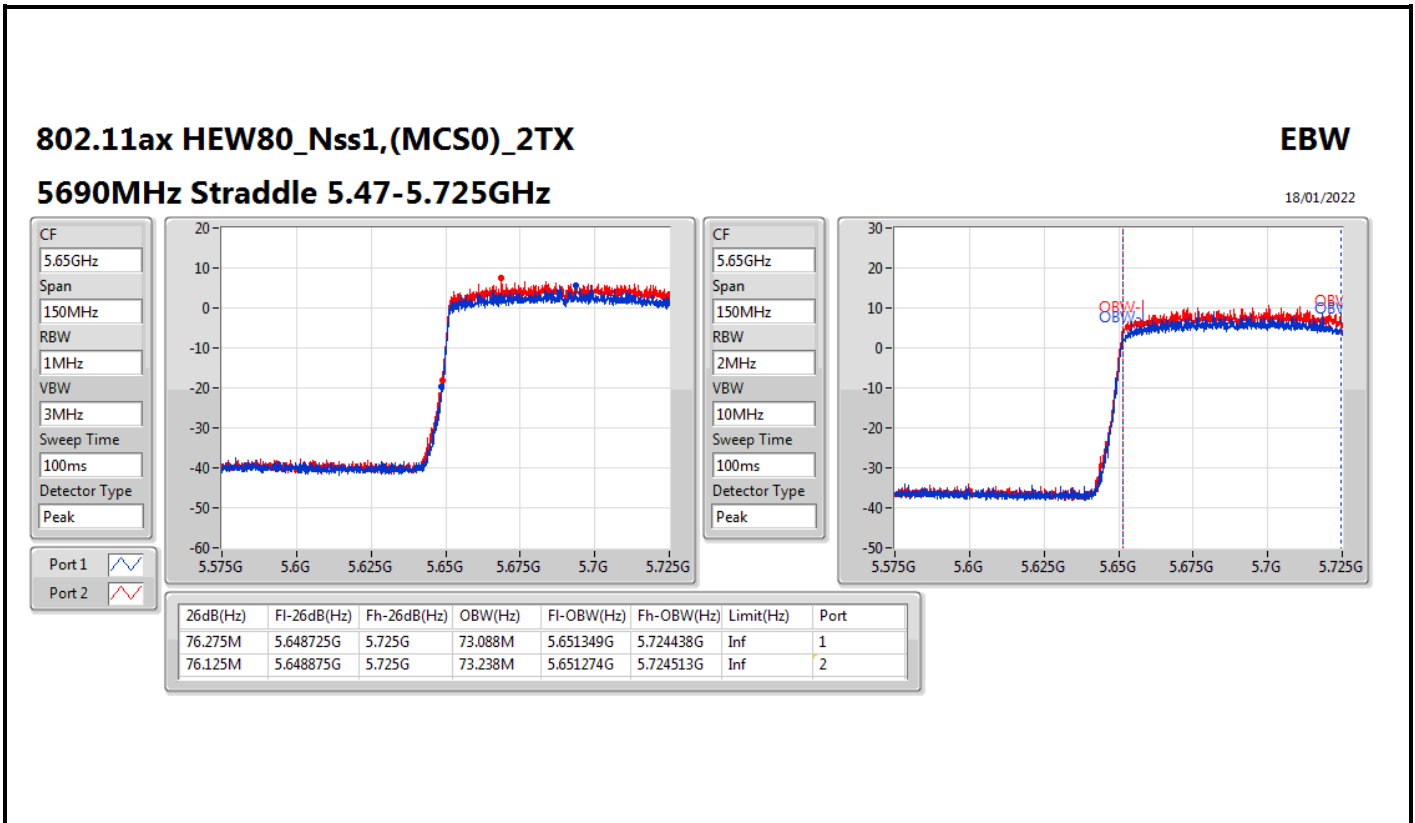
CF
5.61GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



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
82.56M	5.5686G	5.65116G	77.241M	5.571379G	5.648621G	Inf	1
82.2M	5.56872G	5.65092G	77.241M	5.571259G	5.648501G	Inf	2



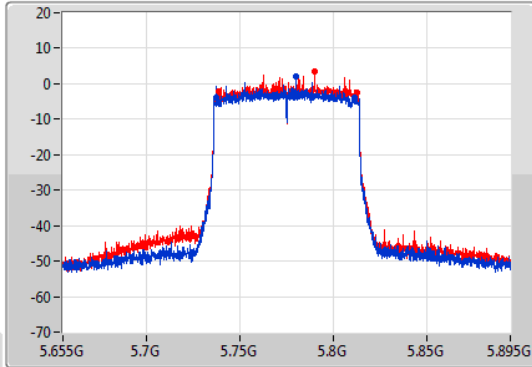
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

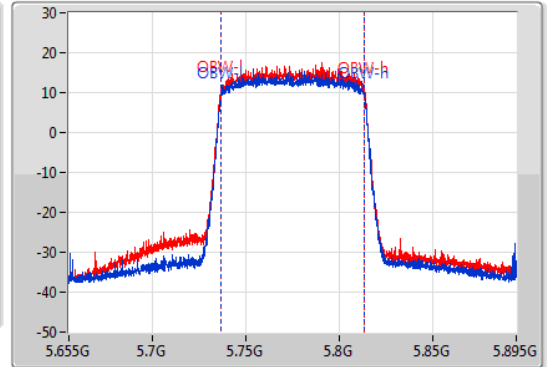
5775MHz



18/01/2022

CF
5.775GHz
Span
240MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.775GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



Port 1 
Port 2 

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
74.52M	5.73708G	5.8116G	77.361M	5.736379G	5.813741G	500k	1
74.04M	5.73852G	5.81256G	77.361M	5.736379G	5.813741G	500k	2



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.89M	19.13M	19M1D1D	22.41M	19.1M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	44.28M	38.441M	38M4D1D	42.84M	38.381M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	85.2M	78.201M	78M2D1D	84.48M	78.081M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.8M	19.13M	19M1D1D	22.44M	19.1M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	44.22M	38.501M	38M5D1D	43.92M	38.381M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	84.36M	78.441M	78M4D1D	83.88M	78.321M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.83M	19.13M	19M1D1D	16.065M	14.528M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	44.46M	38.441M	38M4D1D	36.96M	34.073M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	85.8M	78.321M	78M3D1D	79.125M	73.838M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.14M	19.13M	19M1D1D	4.5M	4.618M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	38.16M	38.561M	38M6D1D	4.06M	4.318M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	78M	78.321M	78M3D1D	4.06M	4.598M

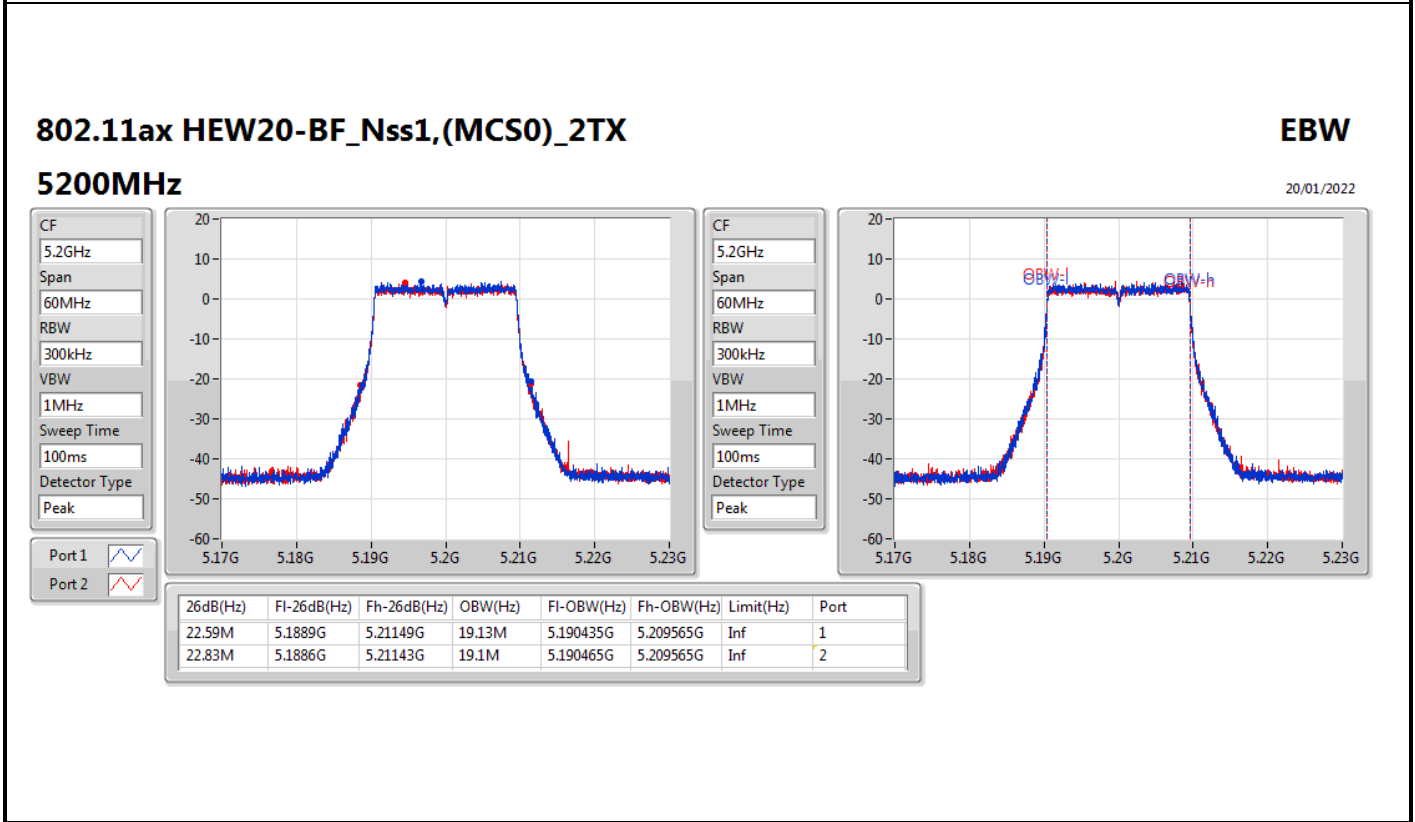
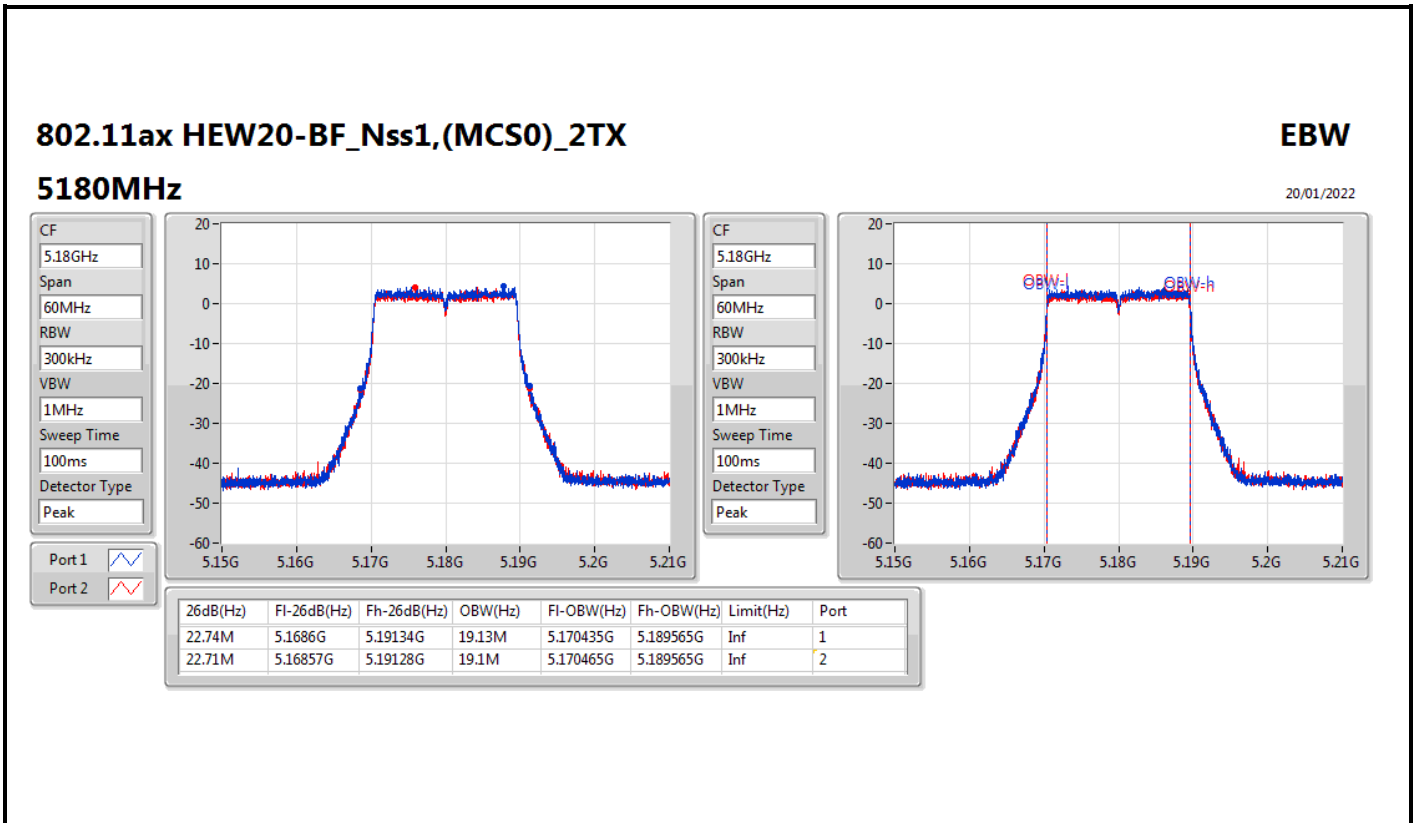
Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	22.74M	19.13M	22.71M	19.1M
5200MHz	Pass	Inf	22.59M	19.13M	22.83M	19.1M
5240MHz	Pass	Inf	22.89M	19.1M	22.41M	19.1M
5260MHz	Pass	Inf	22.44M	19.13M	22.77M	19.13M
5300MHz	Pass	Inf	22.44M	19.1M	22.74M	19.1M
5320MHz	Pass	Inf	22.65M	19.1M	22.8M	19.13M
5500MHz	Pass	Inf	22.47M	19.1M	22.14M	19.13M
5580MHz	Pass	Inf	22.83M	19.1M	22.65M	19.13M
5700MHz	Pass	Inf	22.77M	19.13M	22.83M	19.13M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.065M	14.543M	16.275M	14.528M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.5M	4.638M	4.52M	4.618M
5745MHz	Pass	500k	19.08M	19.13M	19.08M	19.1M
5785MHz	Pass	500k	19.14M	19.13M	19.08M	19.13M
5825MHz	Pass	500k	19.05M	19.07M	19.11M	19.1M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	43.74M	38.441M	44.28M	38.381M
5230MHz	Pass	Inf	42.84M	38.381M	43.62M	38.381M
5270MHz	Pass	Inf	44.22M	38.381M	43.92M	38.501M
5310MHz	Pass	Inf	44.22M	38.381M	44.22M	38.441M
5510MHz	Pass	Inf	44.46M	38.441M	43.2M	38.441M
5550MHz	Pass	Inf	43.74M	38.441M	44.04M	38.381M
5670MHz	Pass	Inf	44.04M	38.441M	44.1M	38.381M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	36.96M	34.143M	36.96M	34.073M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.16M	4.318M	4.06M	4.318M
5755MHz	Pass	500k	38.1M	38.561M	38.04M	38.441M
5795MHz	Pass	500k	37.74M	38.381M	38.16M	38.441M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	85.2M	78.081M	84.48M	78.201M
5290MHz	Pass	Inf	83.88M	78.321M	84.36M	78.441M
5530MHz	Pass	Inf	85.8M	78.201M	83.88M	78.321M
5610MHz	Pass	Inf	84.6M	78.321M	84.72M	78.321M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	79.2M	73.838M	79.125M	73.913M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	4.598M	4.06M	4.738M
5775MHz	Pass	500k	77.4M	78.321M	78M	78.321M

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

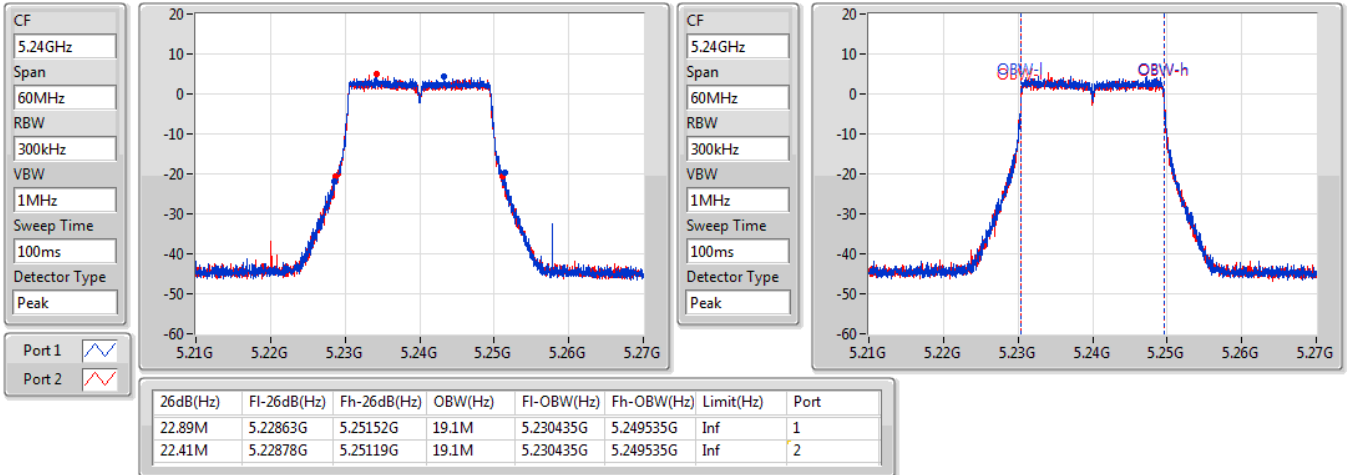


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5240MHz

20/01/2022

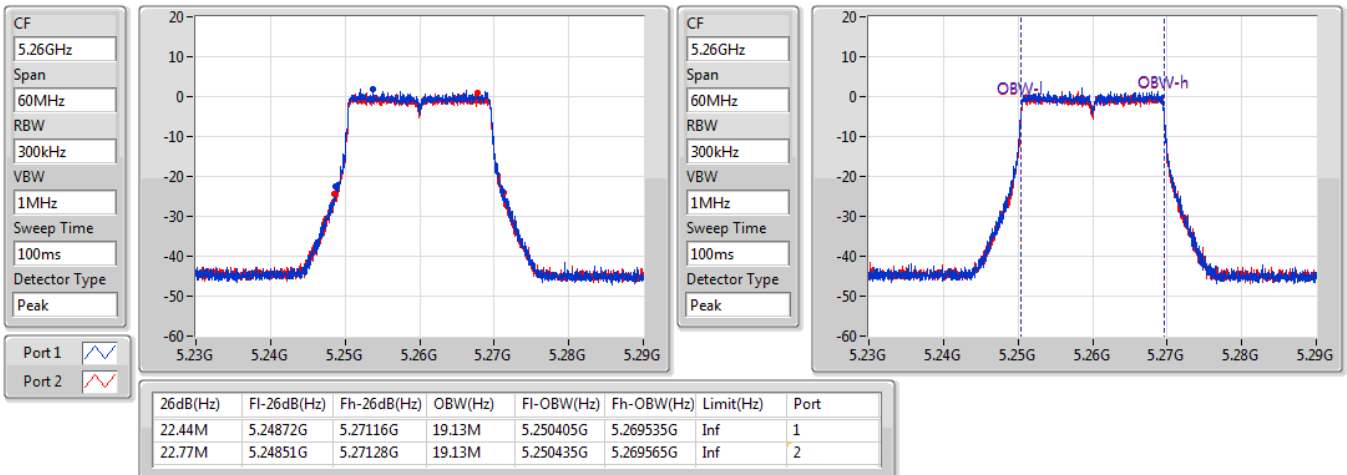


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5260MHz

20/01/2022

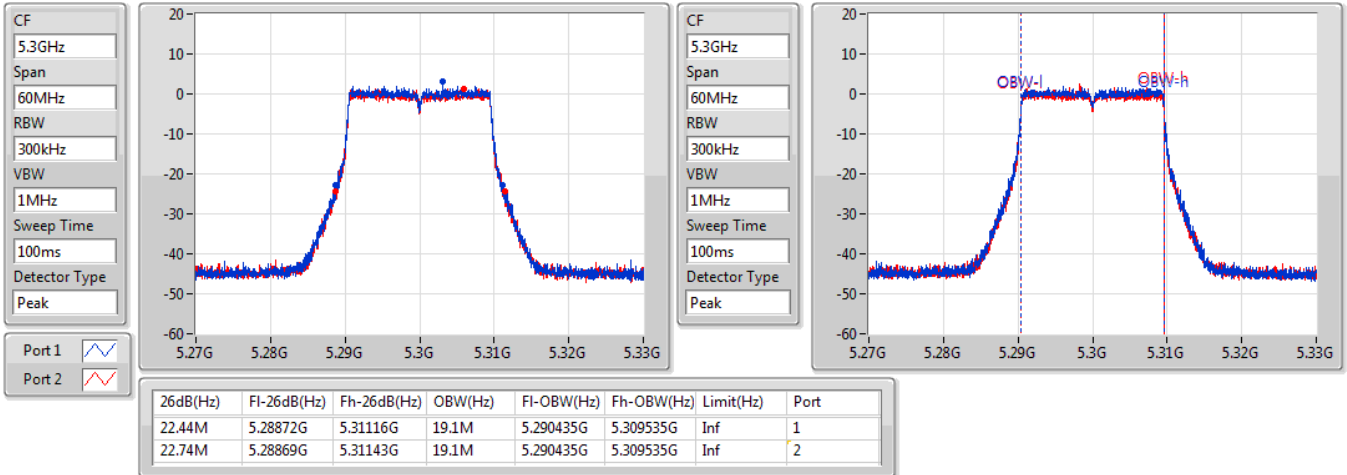


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5300MHz

20/01/2022

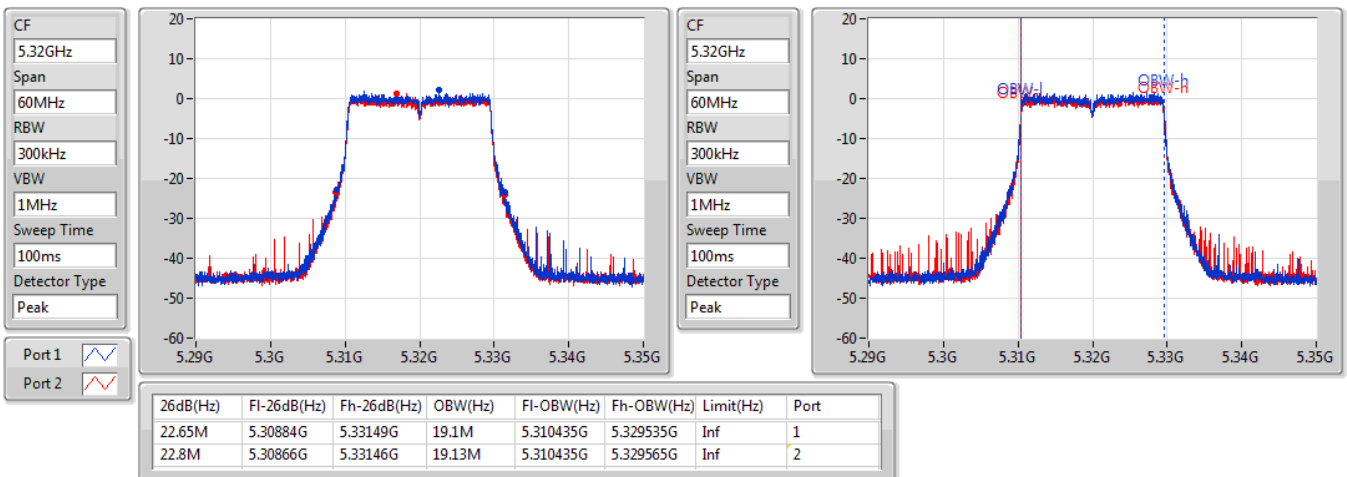


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5320MHz

20/01/2022

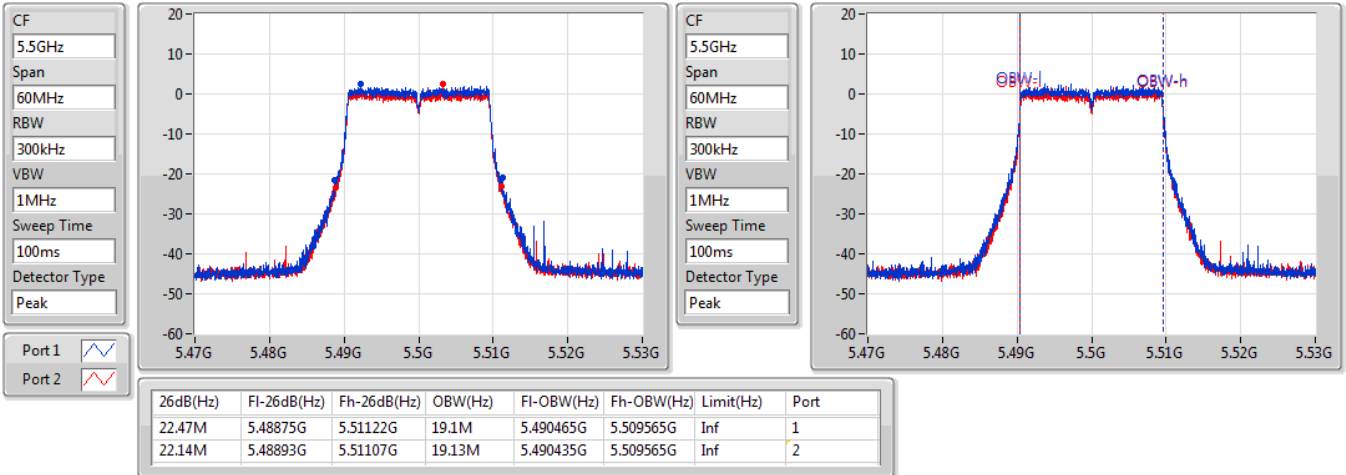


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5500MHz

20/01/2022

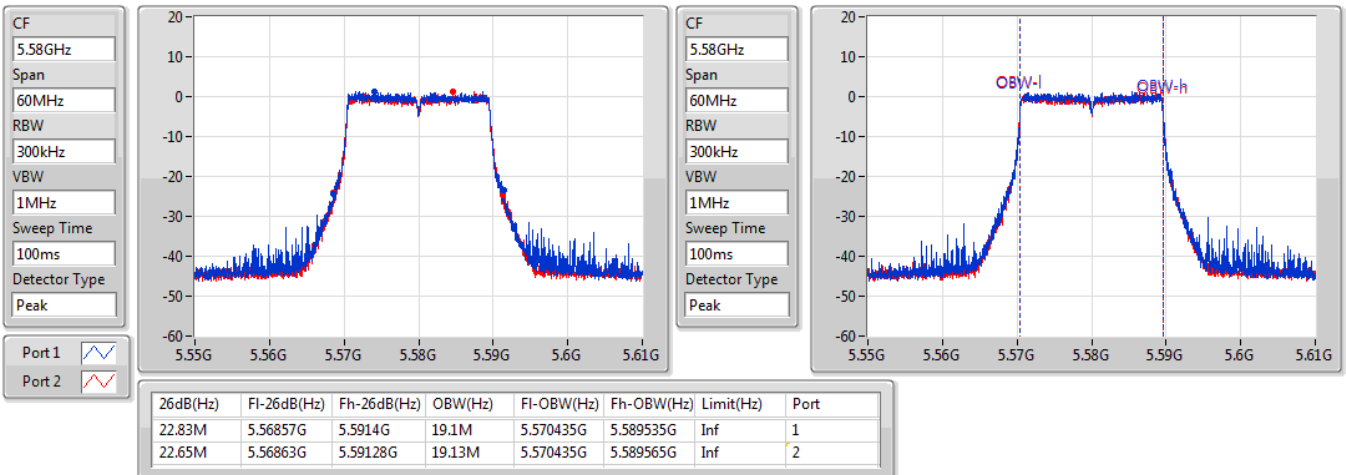


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5580MHz

20/01/2022

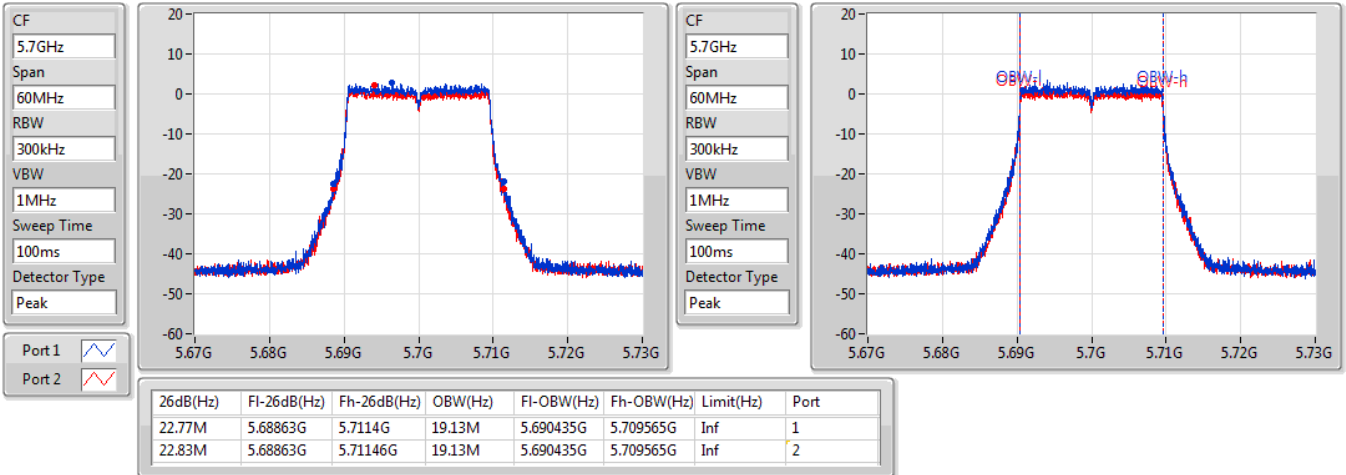


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5700MHz

20/01/2022

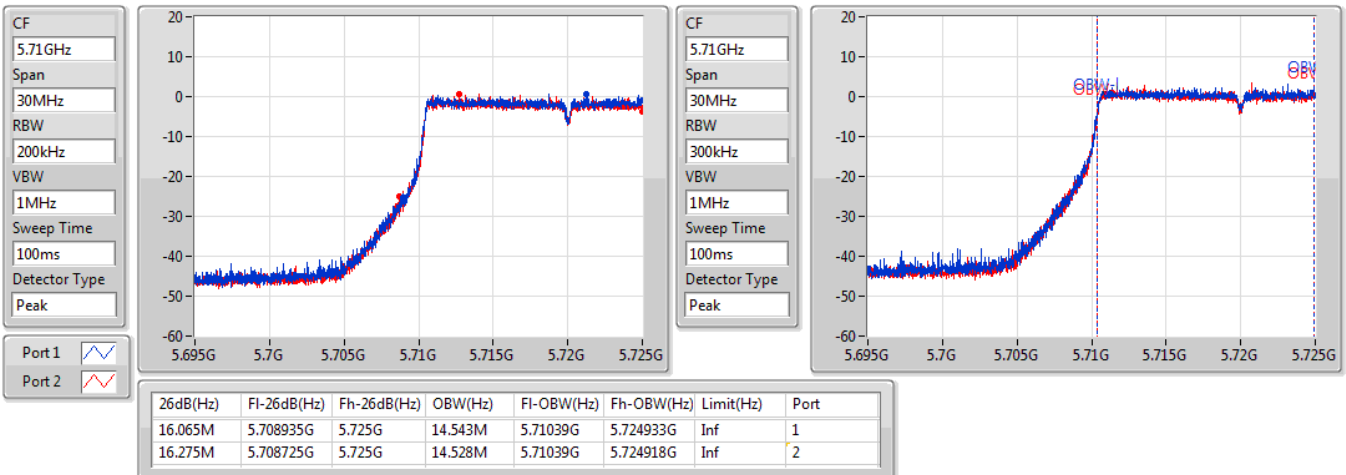


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

20/01/2022

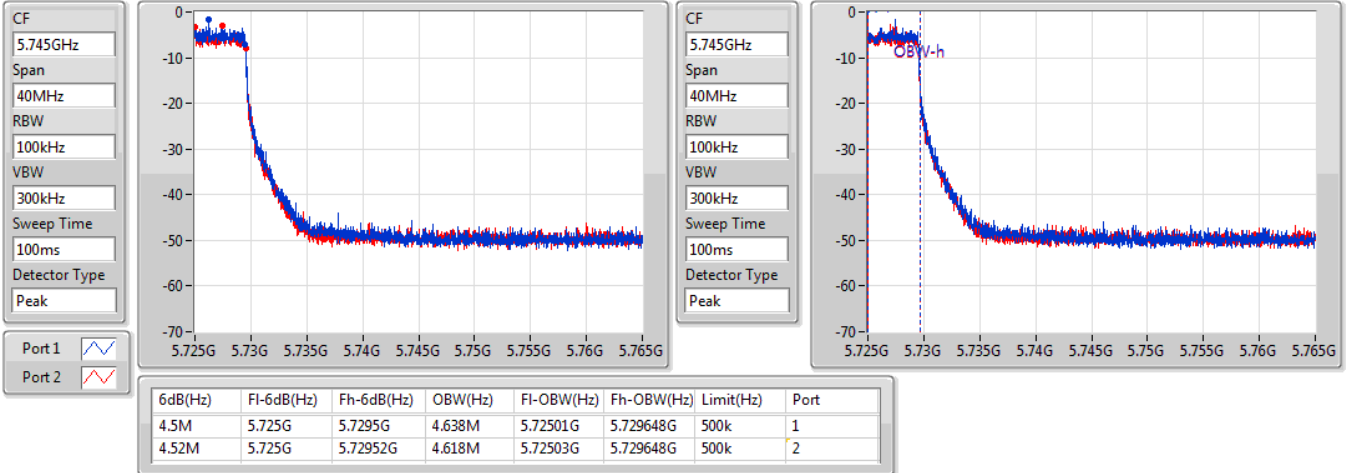


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

20/01/2022

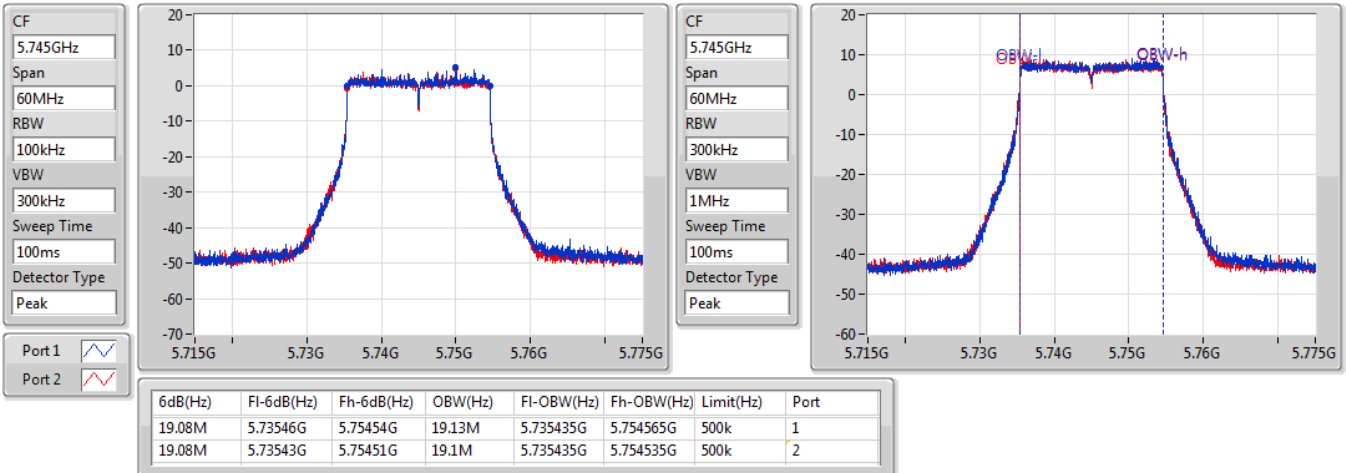


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5745MHz

20/01/2022



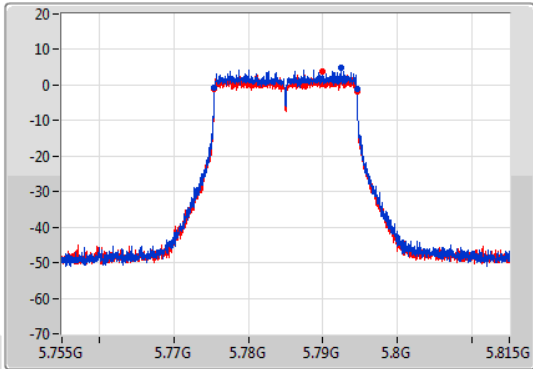
802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

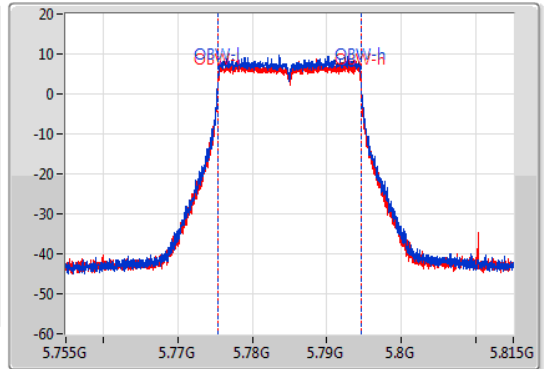
5785MHz

20/01/2022

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
19.14M	5.77543G	5.79457G	19.13M	5.775435G	5.794565G	500k	1
19.08M	5.77546G	5.79454G	19.13M	5.775435G	5.794565G	500k	2

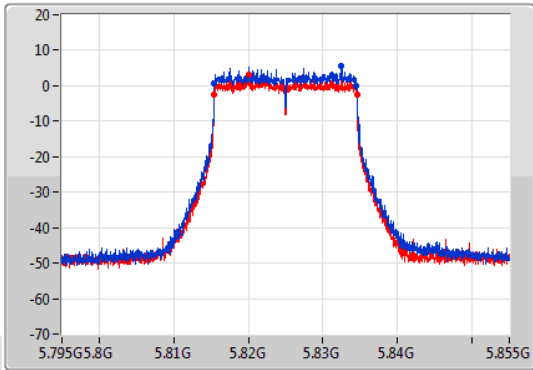
802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

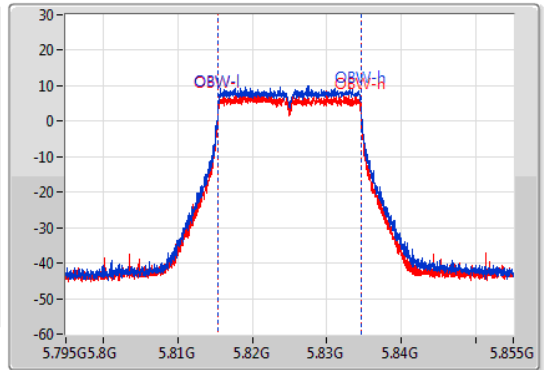
5825MHz

20/01/2022

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



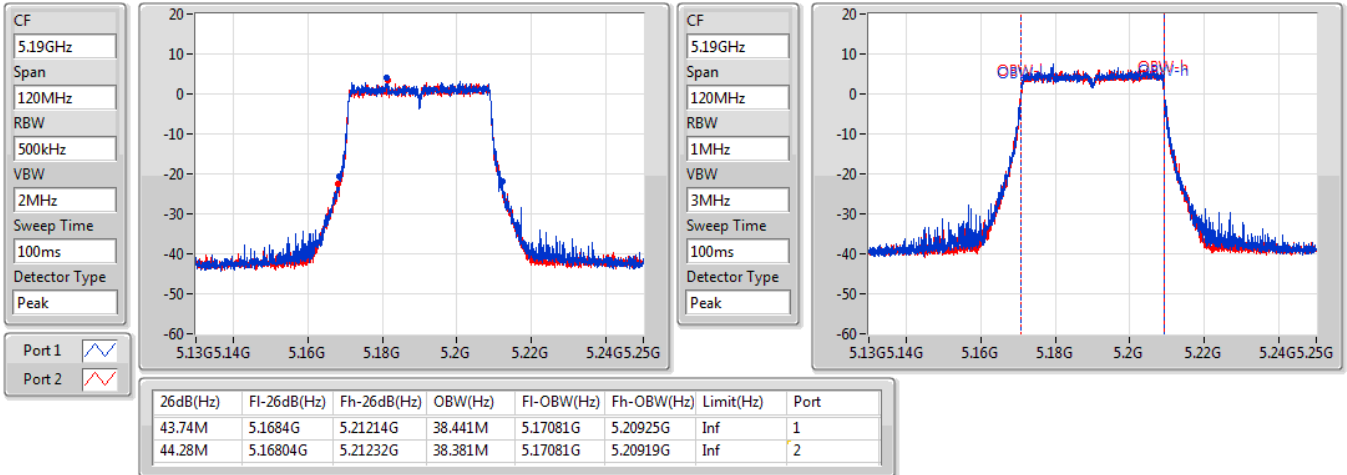
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	5.81546G	5.83451G	19.07M	5.815465G	5.834535G	500k	1
19.11M	5.81543G	5.83454G	19.1M	5.815435G	5.834535G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5190MHz

20/01/2022

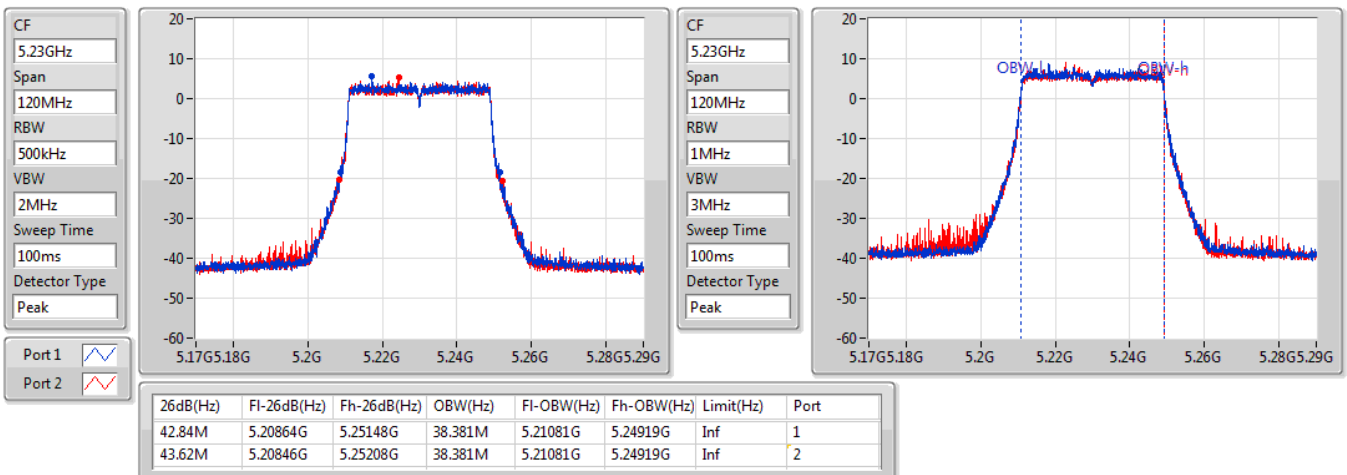


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5230MHz

20/01/2022



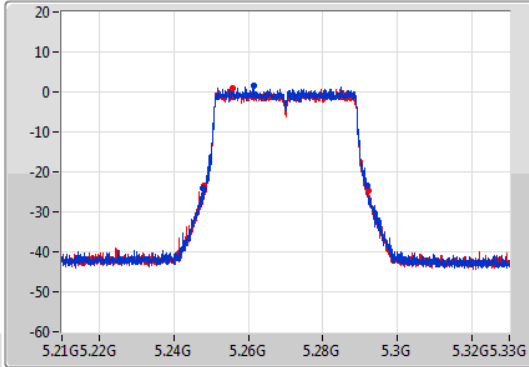
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

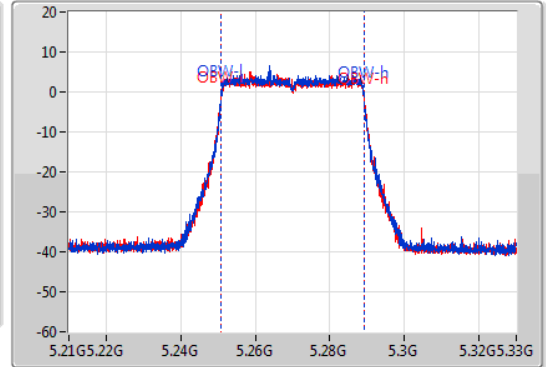
5270MHz

20/01/2022

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
44.22M	5.24774G	5.29196G	38.381M	5.25081G	5.28919G	Inf	1
43.92M	5.24816G	5.29208G	38.501M	5.25075G	5.28925G	Inf	2

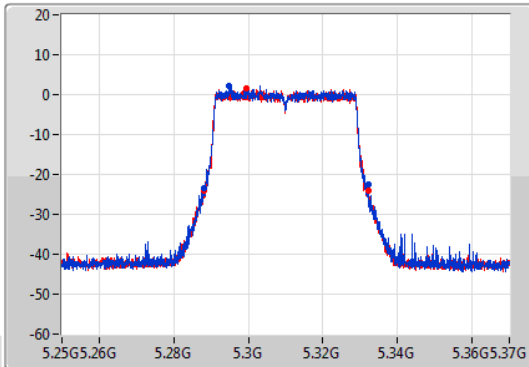
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

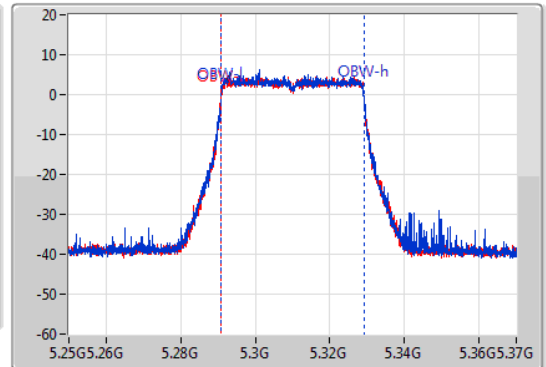
5310MHz

20/01/2022

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
44.22M	5.28798G	5.3322G	38.381M	5.29081G	5.32919G	Inf	1
44.22M	5.2881G	5.33232G	38.441M	5.29075G	5.32919G	Inf	2

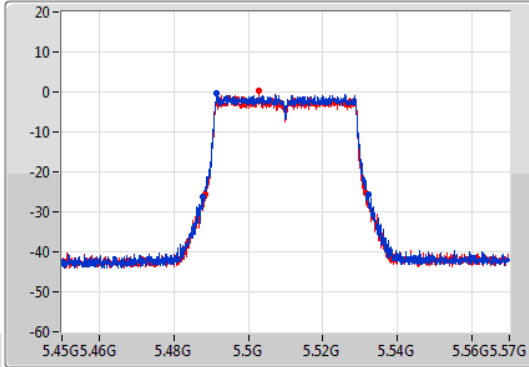
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

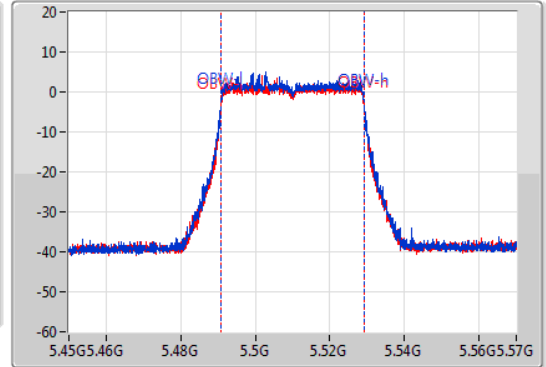
5510MHz

20/01/2022

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
44.46M	5.48774G	5.5322G	38.441M	5.49081G	5.52925G	Inf	1
43.2M	5.48834G	5.53154G	38.441M	5.49081G	5.52925G	Inf	2

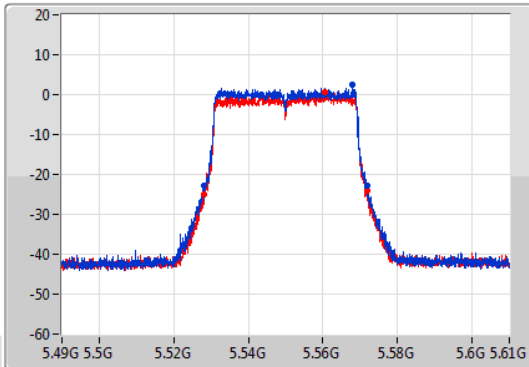
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

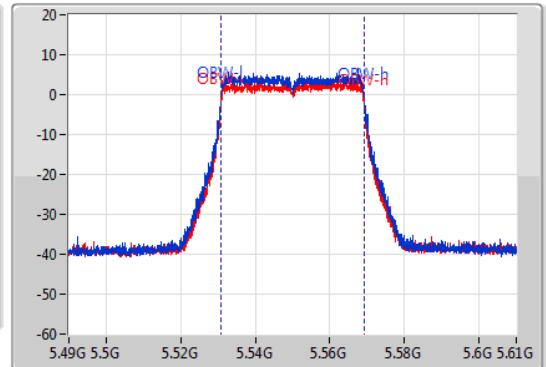
5550MHz

20/01/2022

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



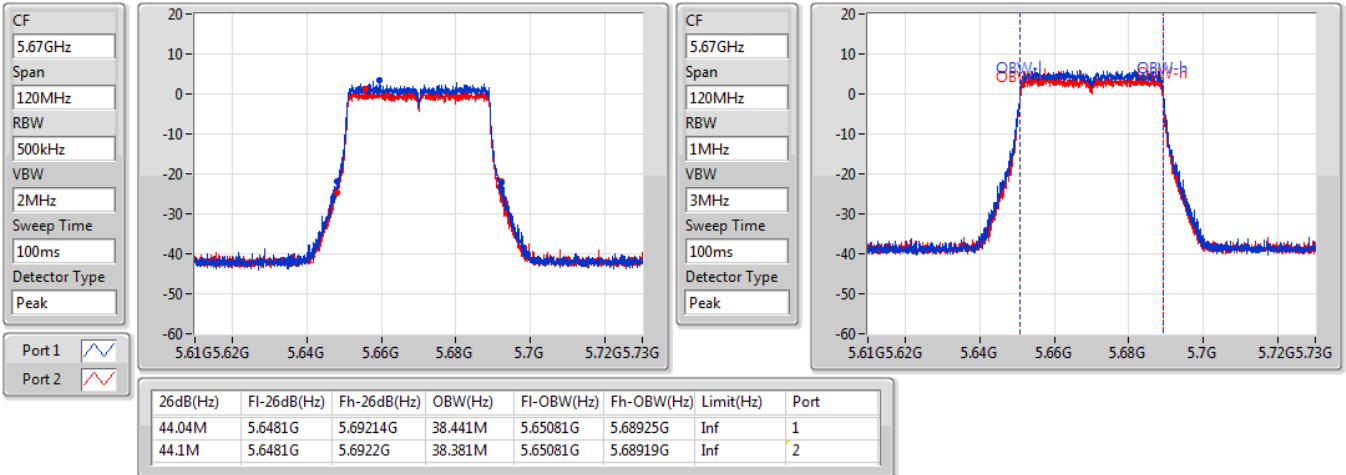
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.74M	5.52816G	5.5719G	38.441M	5.53081G	5.56925G	Inf	1
44.04M	5.52798G	5.57202G	38.381M	5.53081G	5.56919G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5670MHz

20/01/2022

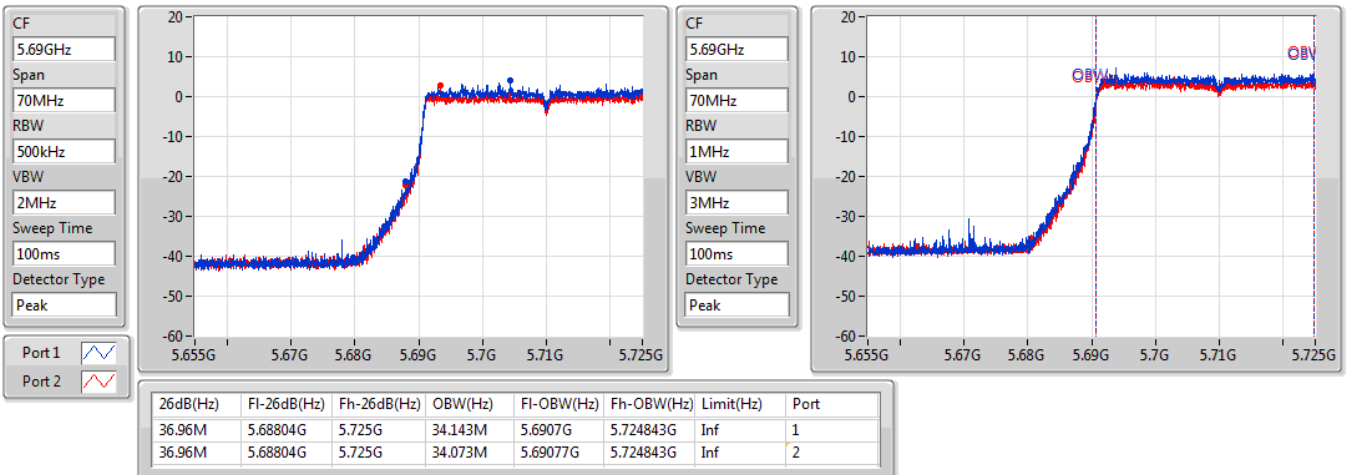


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

20/01/2022

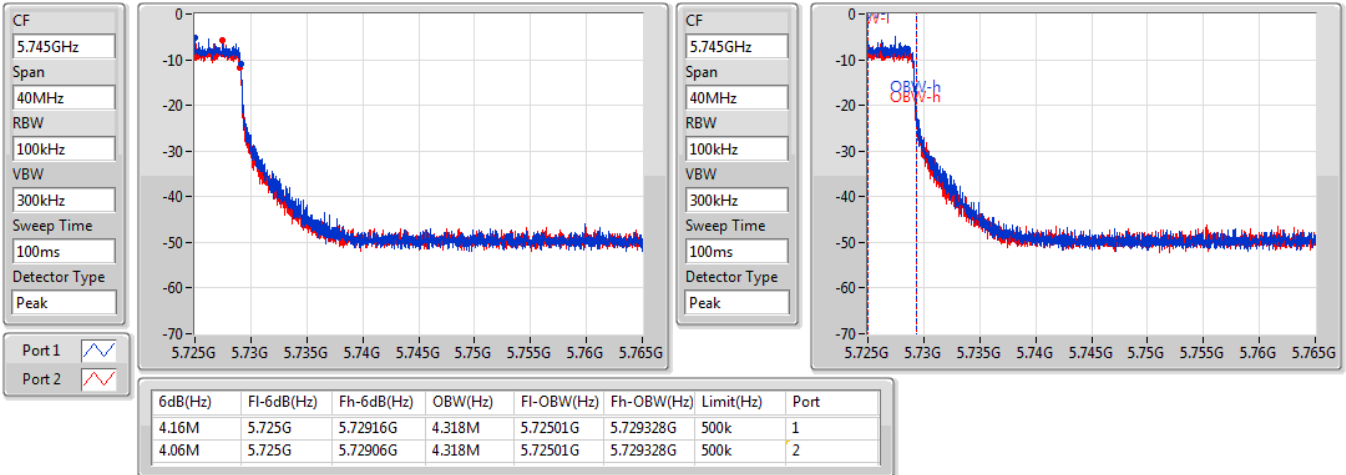


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

20/01/2022

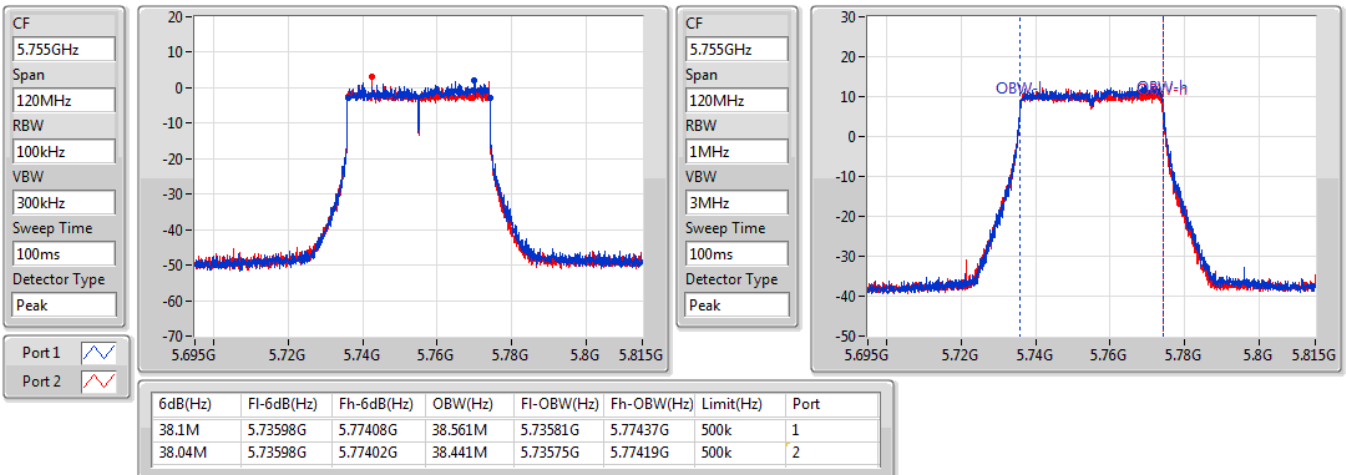


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5755MHz

20/01/2022



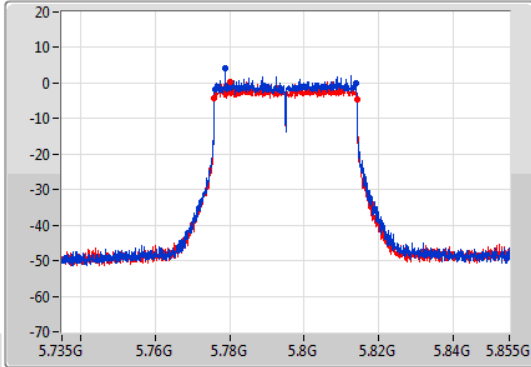
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

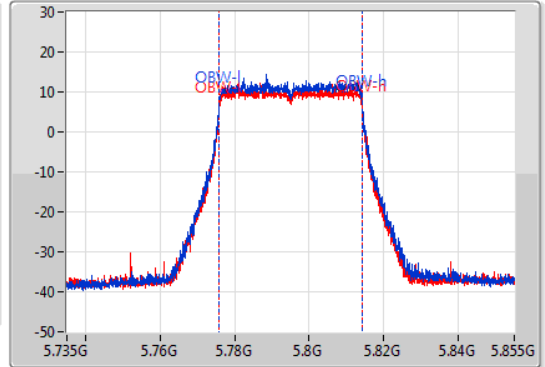
5795MHz

20/01/2022

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
37.74M	5.77616G	5.8139G	38.381M	5.77587G	5.81425G	500k	1
38.16M	5.77592G	5.81408G	38.441M	5.77581G	5.81425G	500k	2

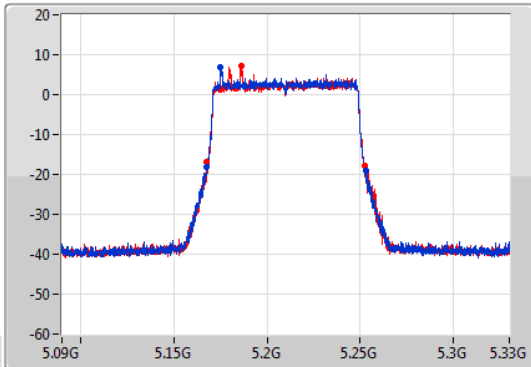
802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

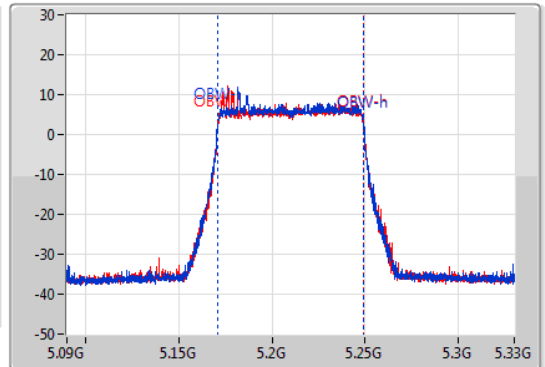
5210MHz

20/01/2022

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
85.2M	5.16776G	5.25296G	78.081M	5.171019G	5.2491G	Inf	1
84.48M	5.16764G	5.25212G	78.201M	5.171019G	5.24922G	Inf	2

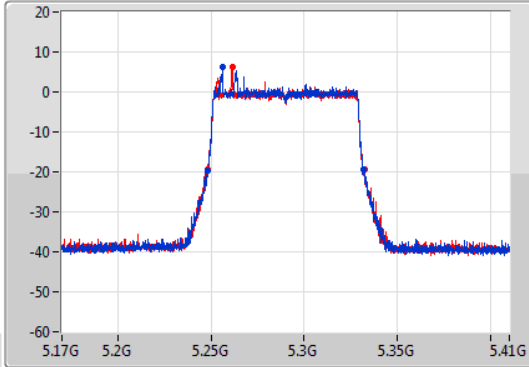
802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

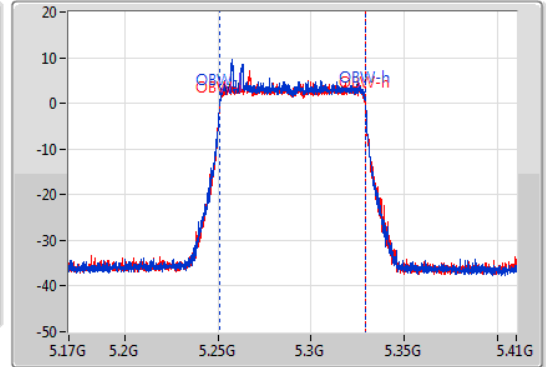
5290MHz

20/01/2022

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
83.88M	5.248G	5.33188G	78.321M	5.25078G	5.3291G	Inf	1
84.36M	5.248G	5.33236G	78.441M	5.25078G	5.32922G	Inf	2

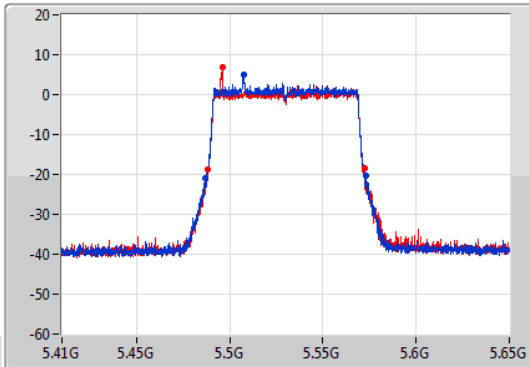
802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

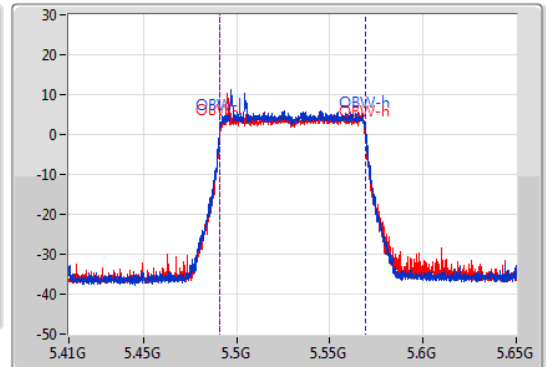
5530MHz

20/01/2022

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



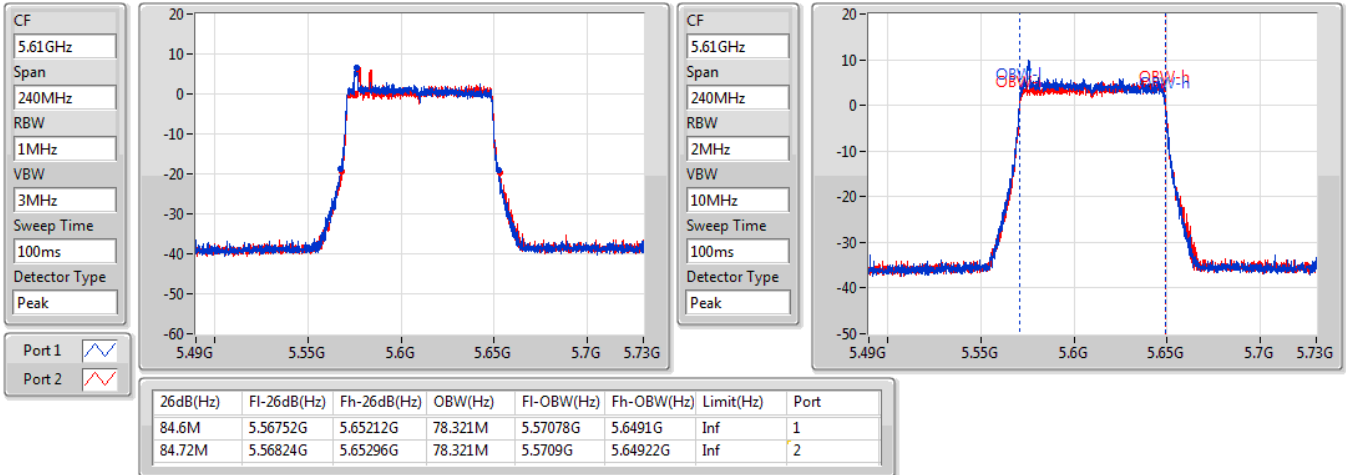
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
85.8M	5.48704G	5.57284G	78.201M	5.4909G	5.5691G	Inf	1
83.88M	5.48836G	5.57224G	78.321M	5.4909G	5.56922G	Inf	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5610MHz

20/01/2022

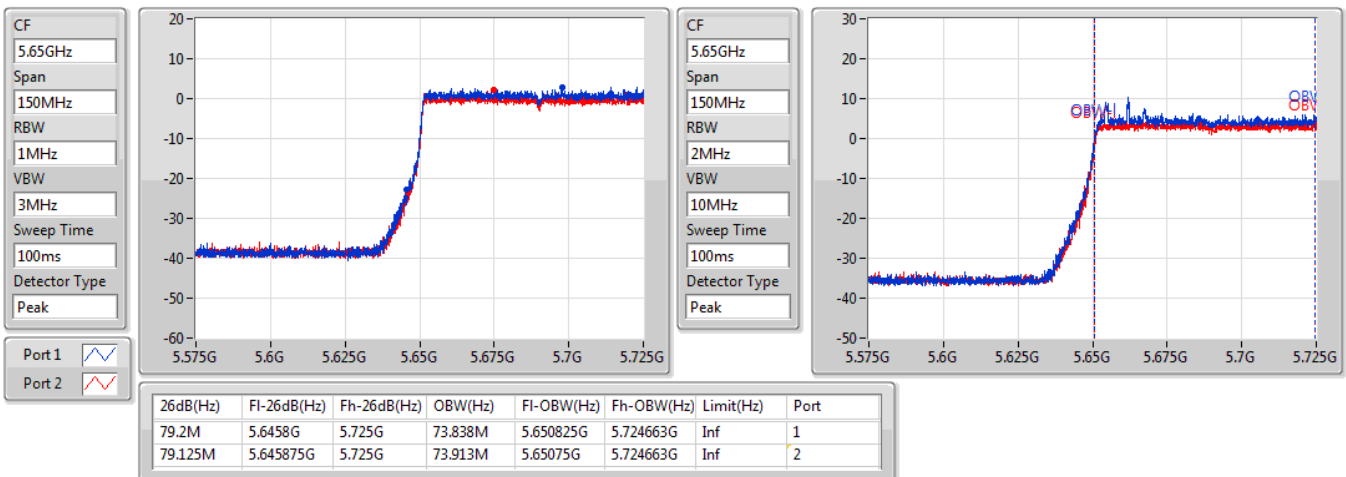


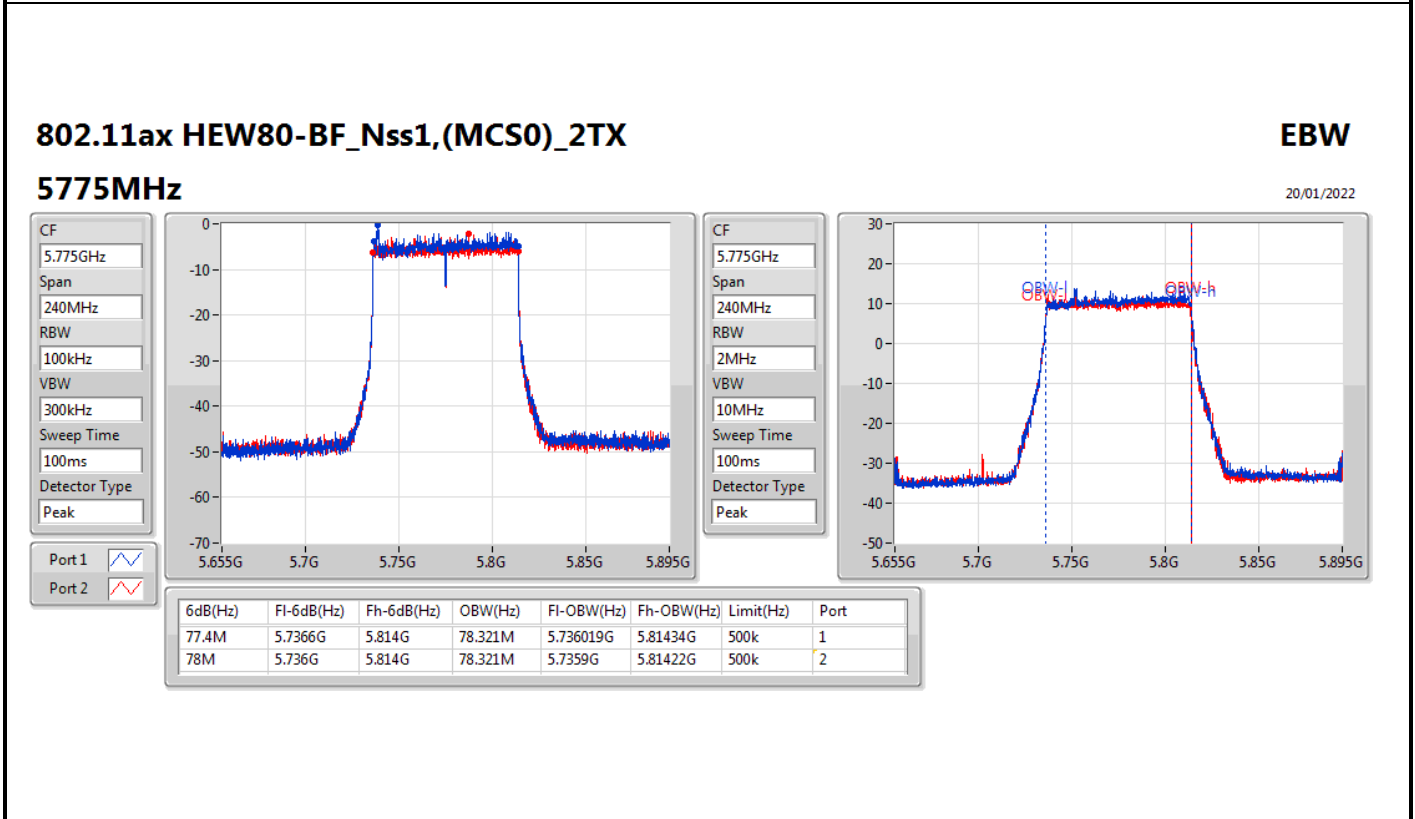
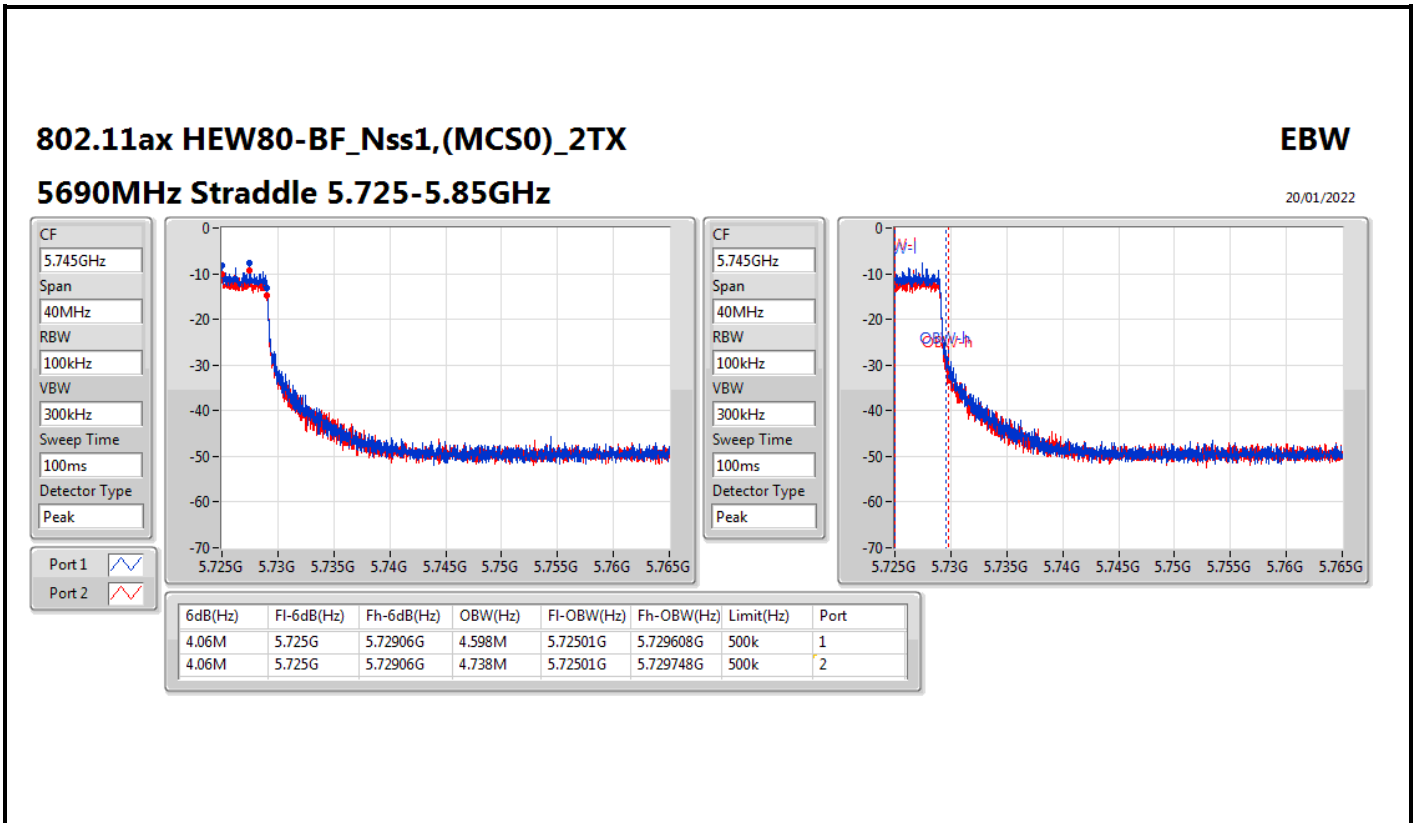
802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

20/01/2022







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	20.76M	16.462M	16M5D1D	20.34M	16.432M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.93M	18.951M	19MOD1D	21.45M	18.921M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.22M	37.961M	38MOD1D	41.04M	37.901M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.32M	77.241M	77M2D1D	81.84M	77.241M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.76M	16.462M	16M5D1D	20.37M	16.432M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.9M	18.981M	19MOD1D	21.36M	18.891M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.1M	37.901M	37M9D1D	40.44M	37.841M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.44M	77.481M	77M5D1D	82.08M	77.121M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.79M	16.462M	16M5D1D	15.06M	13.193M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.9M	18.951M	19MOD1D	15.75M	14.438M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.46M	37.961M	38MOD1D	35.42M	33.758M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.8M	77.361M	77M4D1D	76.125M	73.088M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.29M	16.462M	16M5D1D	3.14M	3.758M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.48M	18.951M	19MOD1D	4.28M	4.638M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.74M	37.901M	37M9D1D	3.92M	4.198M
802.11ax HEW80_Nss1,(MCS0)_2TX	74.52M	77.361M	77M4D1D	4.1M	4.338M

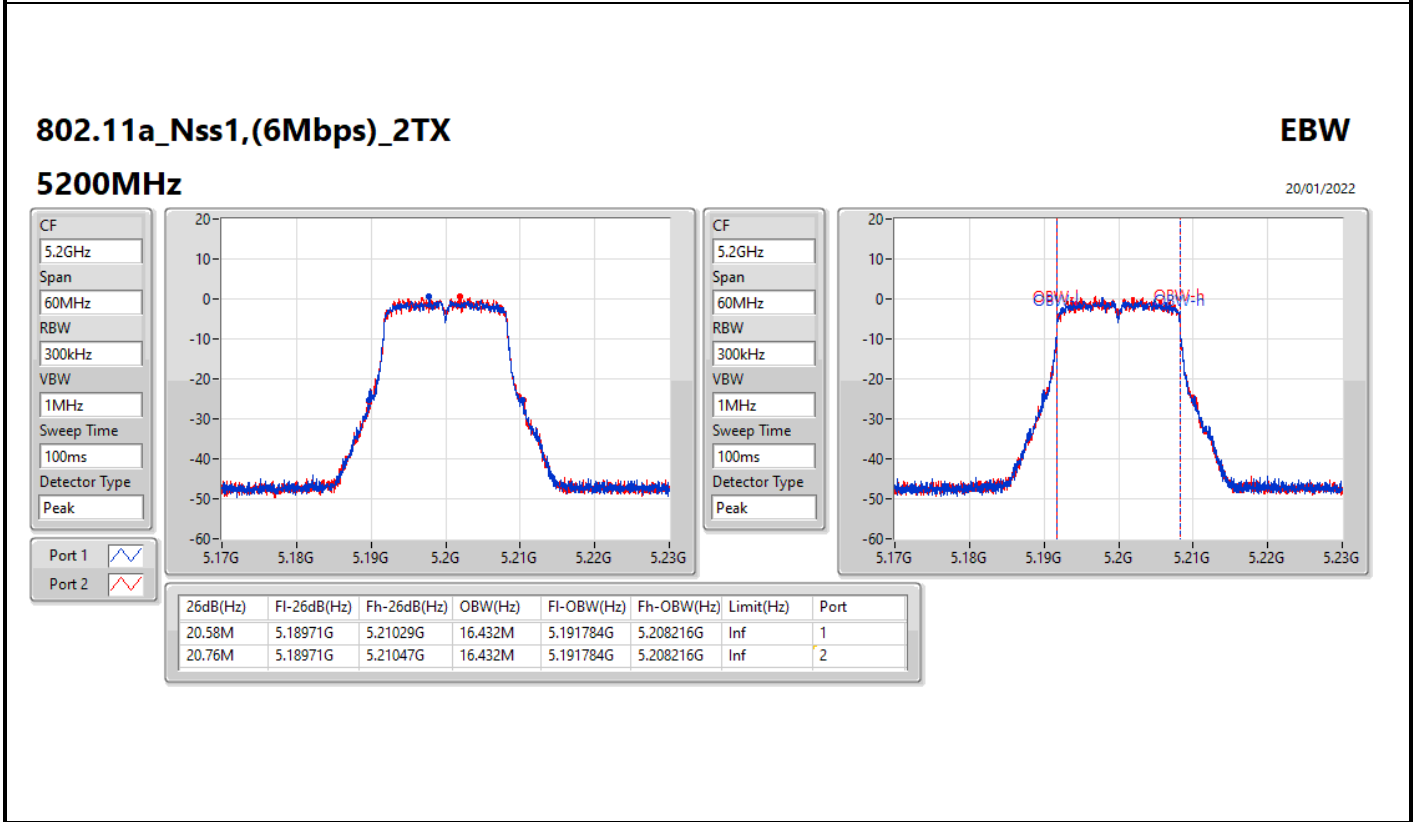
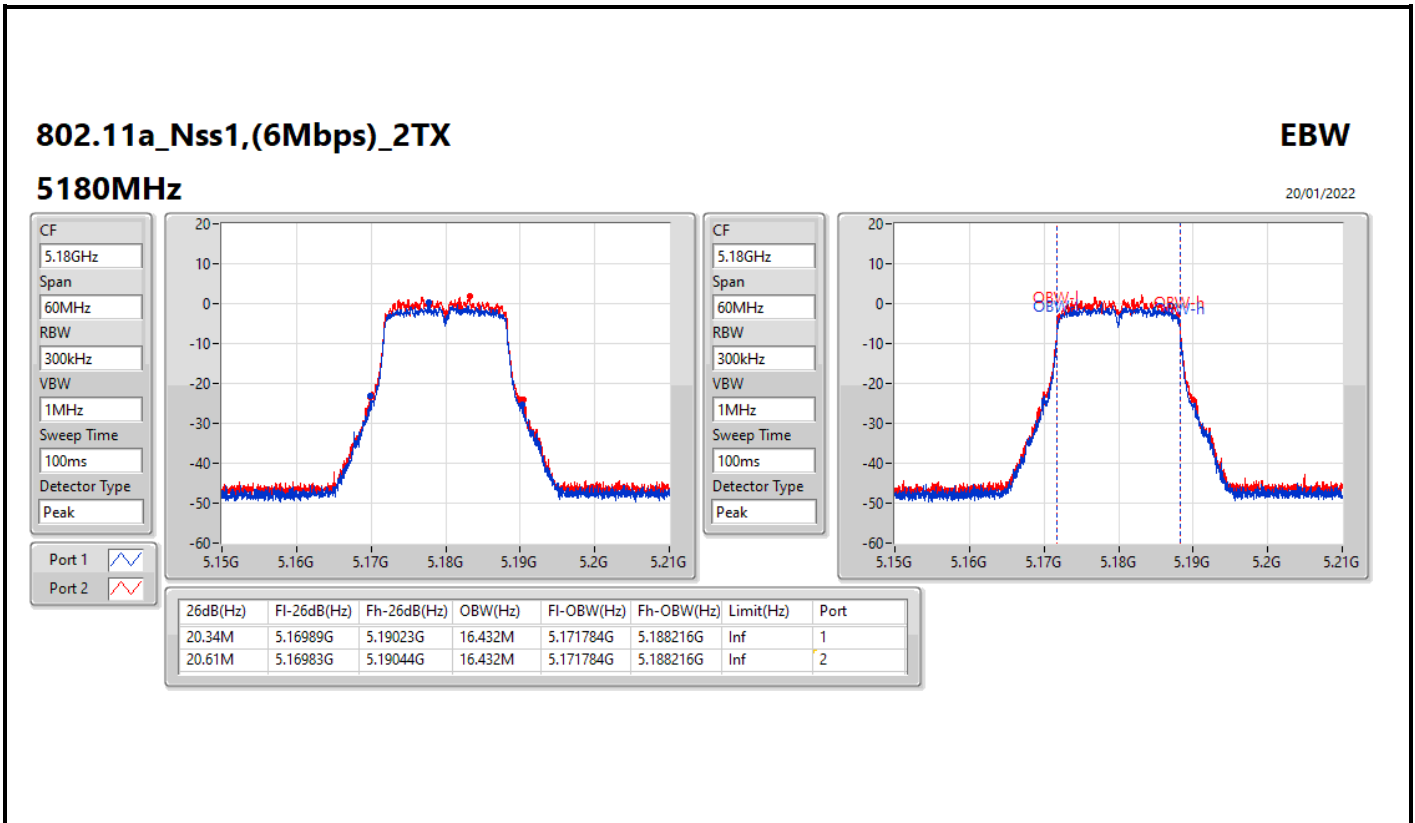
Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth

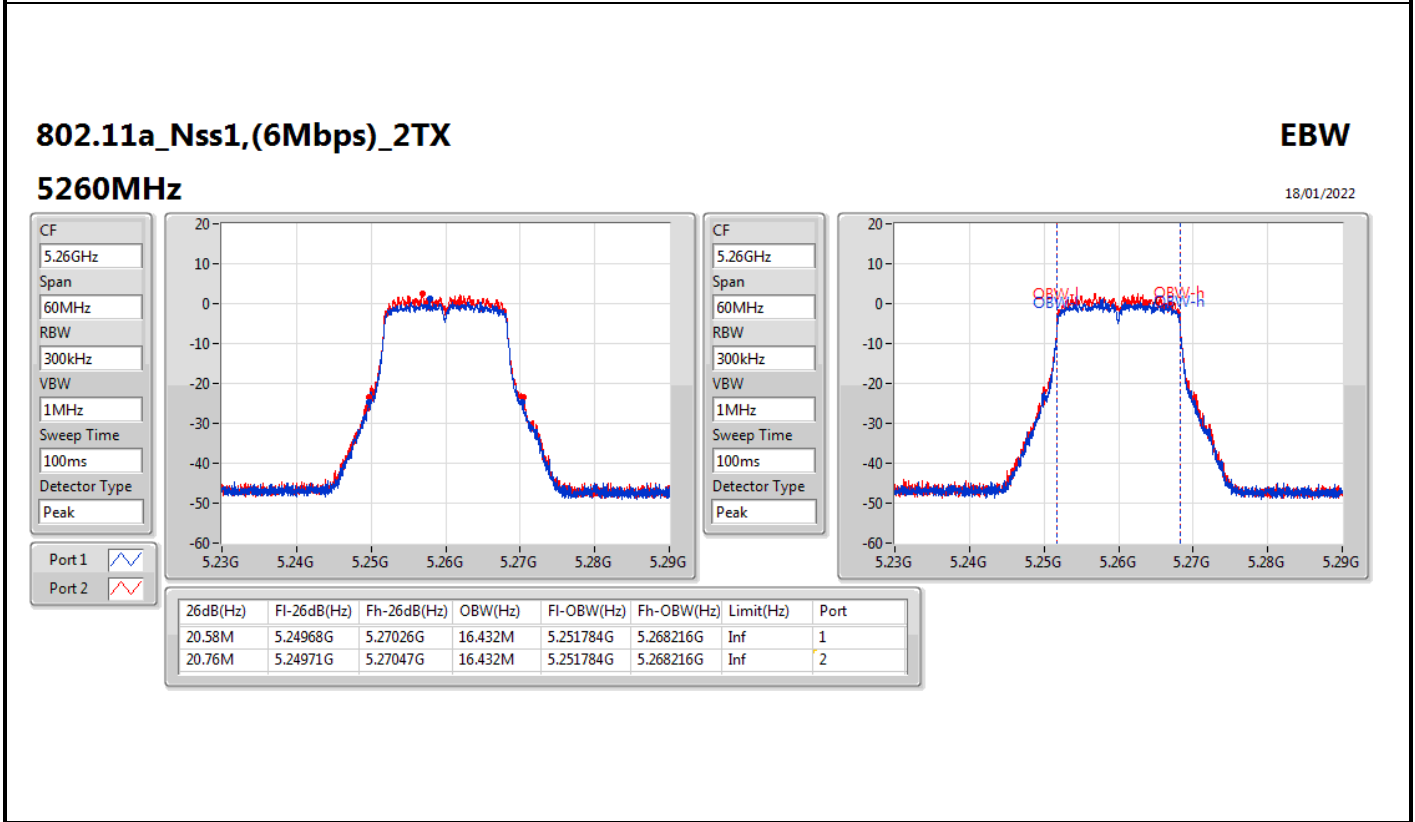
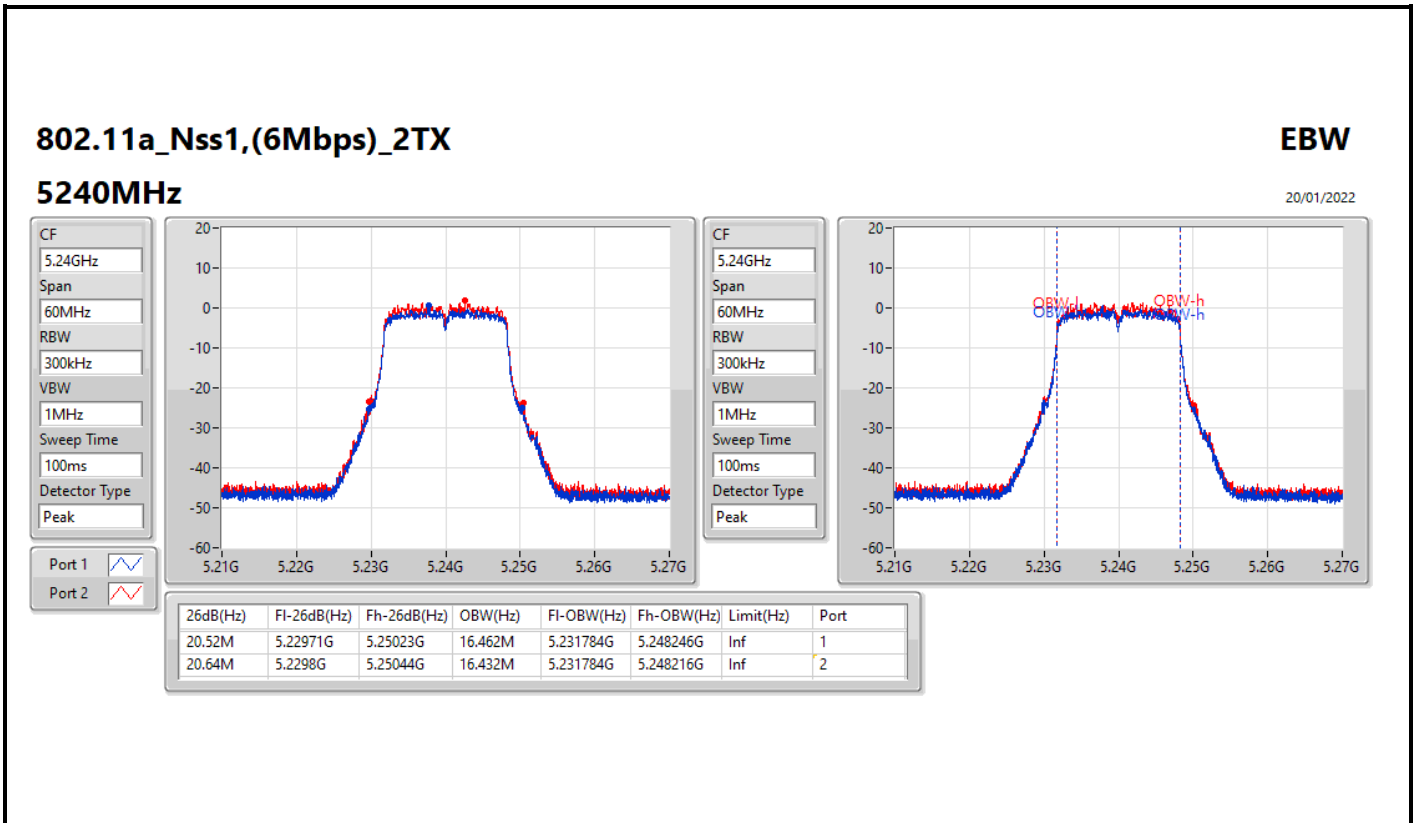


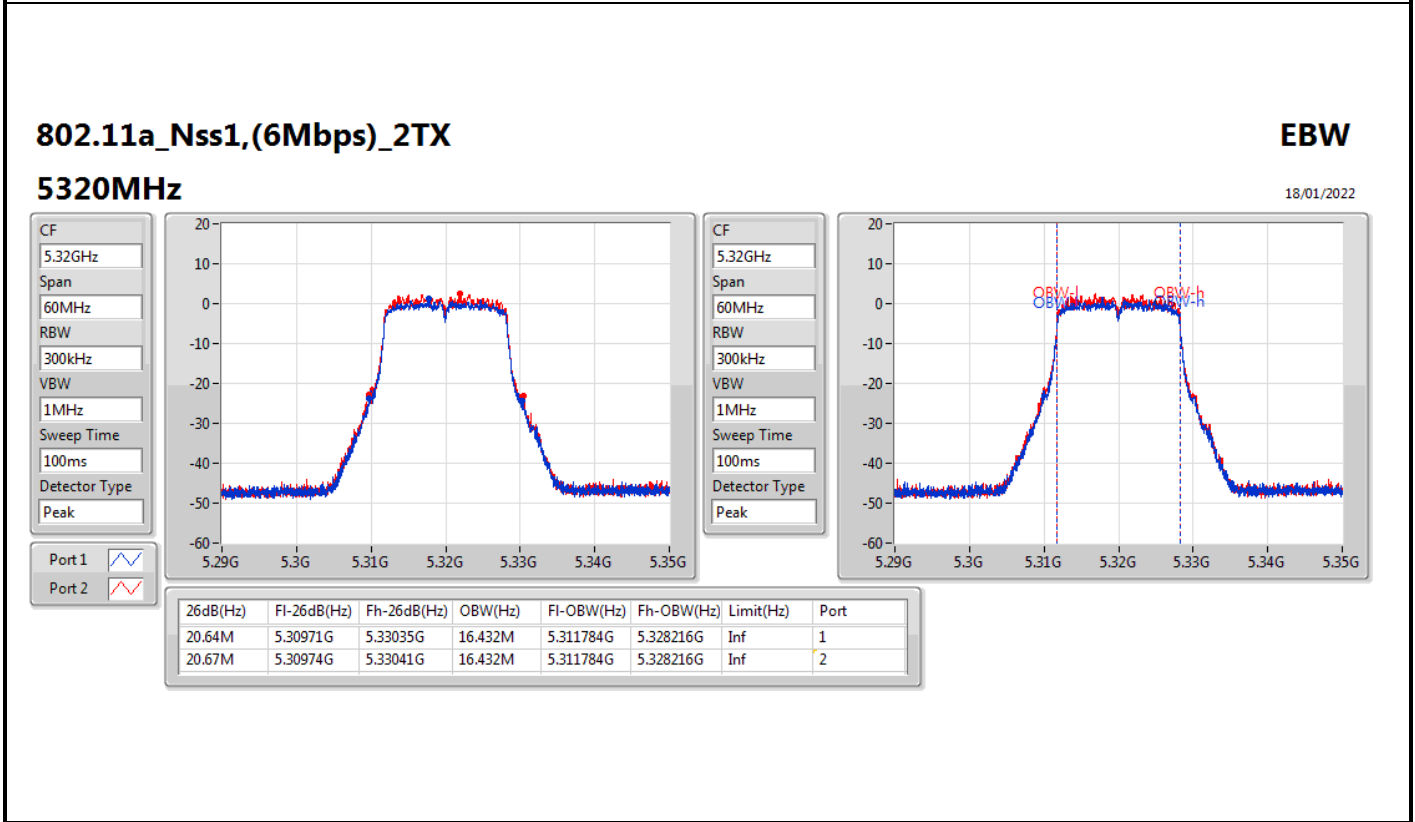
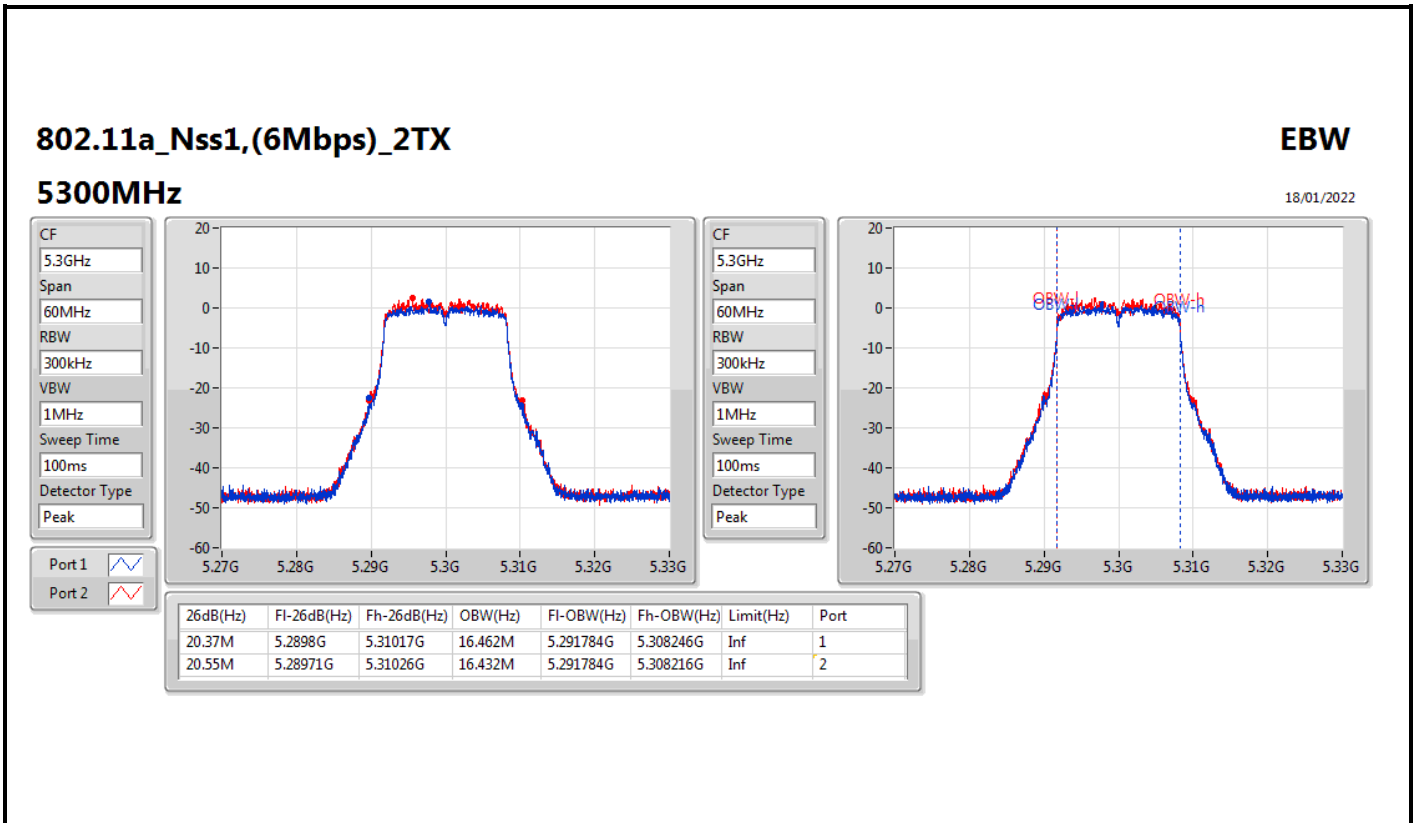
Result

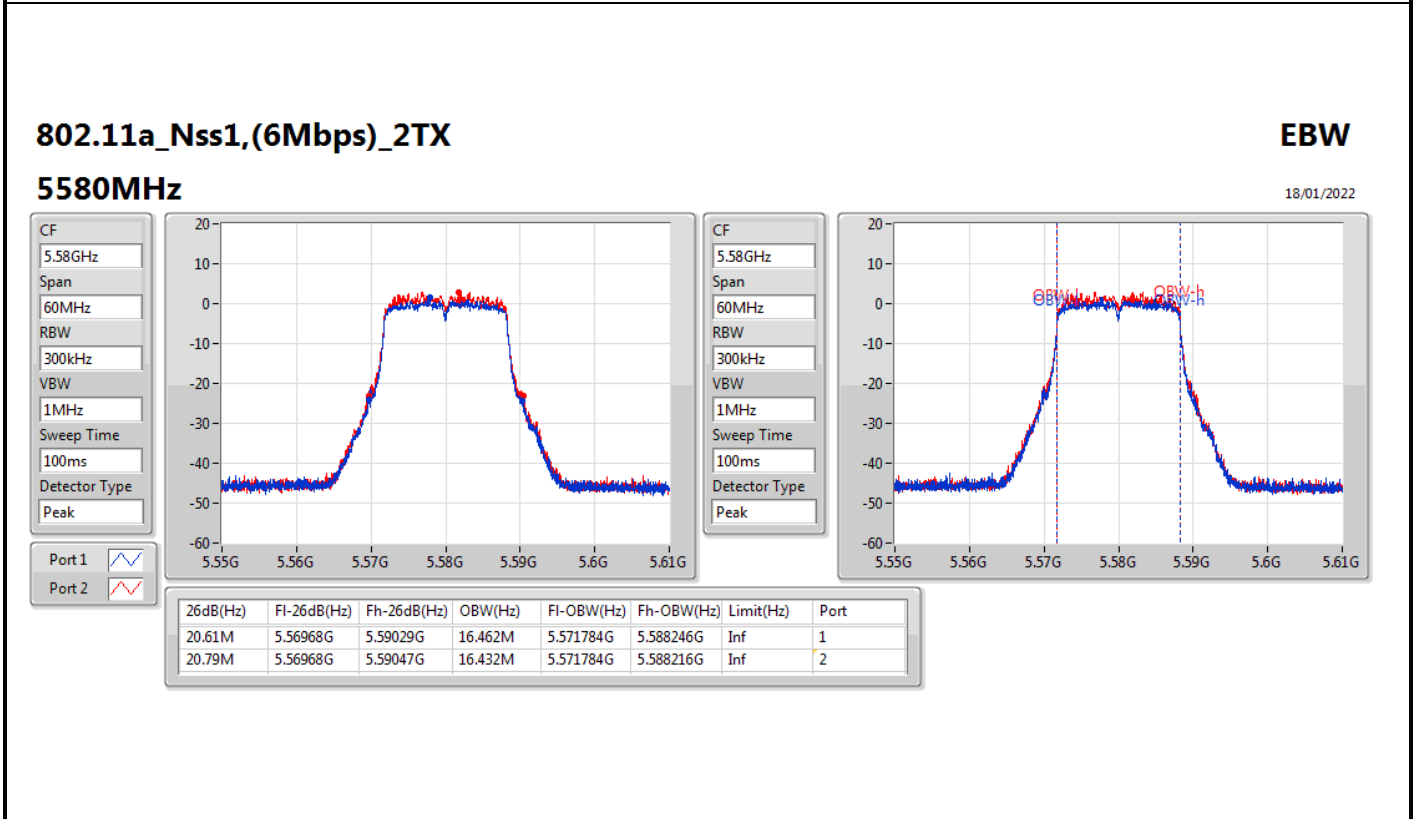
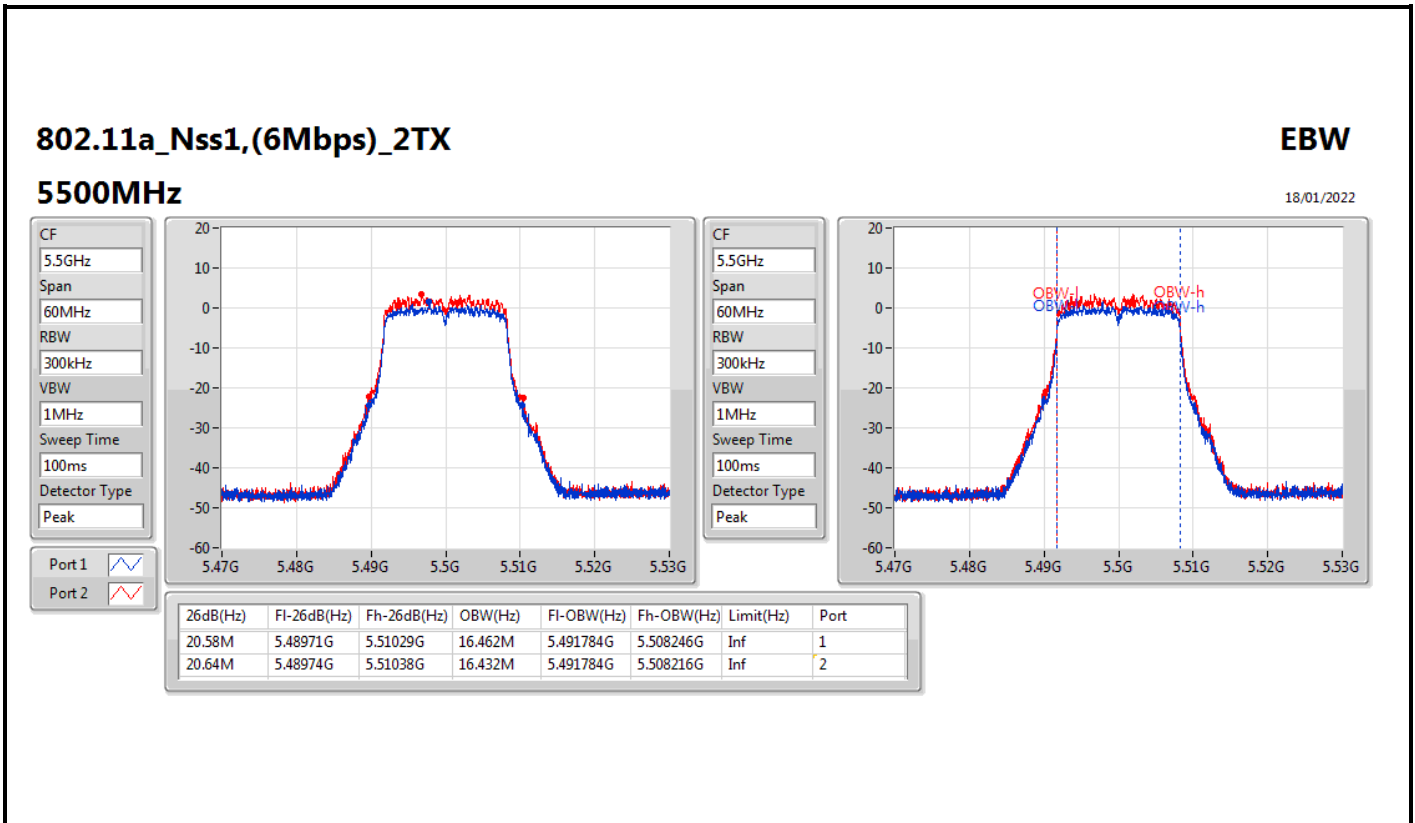
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.34M	16.432M	20.61M	16.432M
5200MHz	Pass	Inf	20.58M	16.432M	20.76M	16.432M
5240MHz	Pass	Inf	20.52M	16.462M	20.64M	16.432M
5260MHz	Pass	Inf	20.58M	16.432M	20.76M	16.432M
5300MHz	Pass	Inf	20.37M	16.462M	20.55M	16.432M
5320MHz	Pass	Inf	20.64M	16.432M	20.67M	16.432M
5500MHz	Pass	Inf	20.58M	16.462M	20.64M	16.432M
5580MHz	Pass	Inf	20.61M	16.462M	20.79M	16.432M
5700MHz	Pass	Inf	20.67M	16.462M	20.64M	16.432M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.27M	13.193M	15.06M	13.208M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.838M	3.14M	3.758M
5745MHz	Pass	500k	16.26M	16.432M	16.29M	16.432M
5785MHz	Pass	500k	15.75M	16.462M	16.29M	16.432M
5825MHz	Pass	500k	16.02M	16.432M	16.02M	16.432M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.45M	18.951M	21.69M	18.951M
5200MHz	Pass	Inf	21.9M	18.921M	21.81M	18.951M
5240MHz	Pass	Inf	21.69M	18.921M	21.93M	18.951M
5260MHz	Pass	Inf	21.63M	18.951M	21.42M	18.951M
5300MHz	Pass	Inf	21.36M	18.981M	21.54M	18.891M
5320MHz	Pass	Inf	21.9M	18.951M	21.81M	18.981M
5500MHz	Pass	Inf	21.72M	18.951M	21.69M	18.951M
5580MHz	Pass	Inf	21.33M	18.951M	21.69M	18.951M
5700MHz	Pass	Inf	21.9M	18.921M	21.6M	18.951M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.75M	14.438M	16.02M	14.468M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.3M	4.638M	4.28M	4.638M
5745MHz	Pass	500k	18.27M	18.921M	17.94M	18.921M
5785MHz	Pass	500k	17.91M	18.951M	17.58M	18.921M
5825MHz	Pass	500k	18.15M	18.921M	18.48M	18.921M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.04M	37.901M	41.16M	37.901M
5230MHz	Pass	Inf	41.22M	37.961M	41.16M	37.901M
5270MHz	Pass	Inf	40.98M	37.841M	41.1M	37.901M
5310MHz	Pass	Inf	40.44M	37.901M	41.1M	37.901M
5510MHz	Pass	Inf	41.22M	37.901M	41.04M	37.961M
5550MHz	Pass	Inf	40.86M	37.901M	40.86M	37.961M
5670MHz	Pass	Inf	41.46M	37.901M	40.92M	37.961M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.49M	33.793M	35.42M	33.758M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.92M	4.198M	3.92M	4.238M
5755MHz	Pass	500k	37.62M	37.841M	37.5M	37.841M
5795MHz	Pass	500k	37.68M	37.841M	37.74M	37.901M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.84M	77.241M	82.32M	77.241M
5290MHz	Pass	Inf	82.08M	77.481M	82.44M	77.121M
5530MHz	Pass	Inf	82.8M	77.241M	81.96M	77.361M
5610MHz	Pass	Inf	82.56M	77.241M	82.2M	77.241M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.275M	73.088M	76.125M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.1M	4.438M	4.12M	4.338M
5775MHz	Pass	500k	74.52M	77.361M	74.04M	77.361M

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









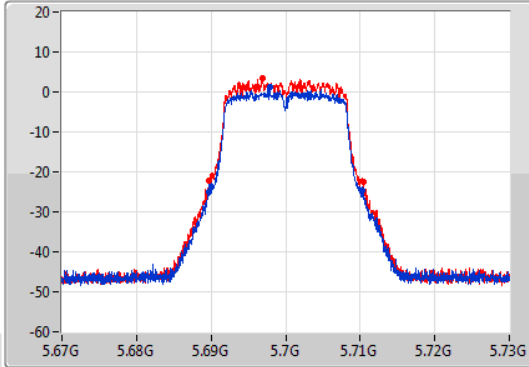
802.11a_Nss1,(6Mbps)_2TX

EBW

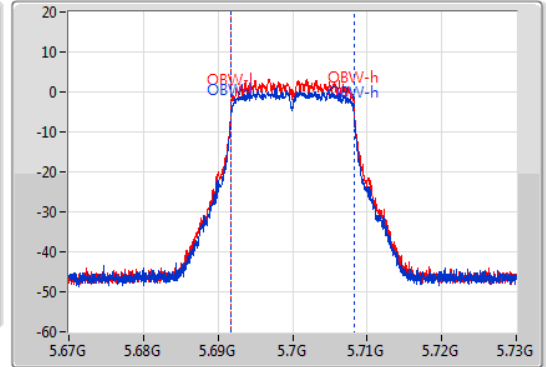
5700MHz

18/01/2022

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
20.67M	5.68965G	5.71032G	16.462M	5.691784G	5.708246G	Inf	1
20.64M	5.68977G	5.71041G	16.432M	5.691784G	5.708216G	Inf	2

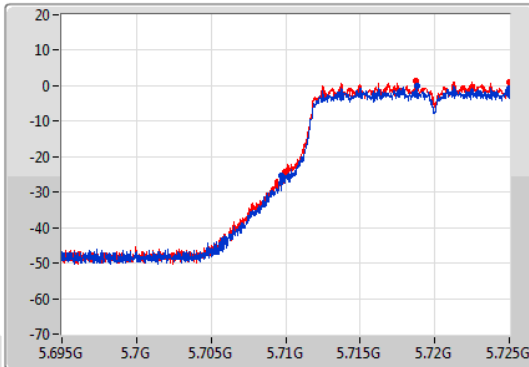
802.11a_Nss1,(6Mbps)_2TX

EBW

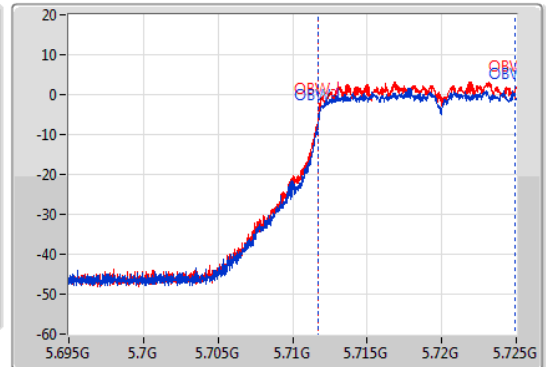
5720MHz Straddle 5.47-5.725GHz

18/01/2022

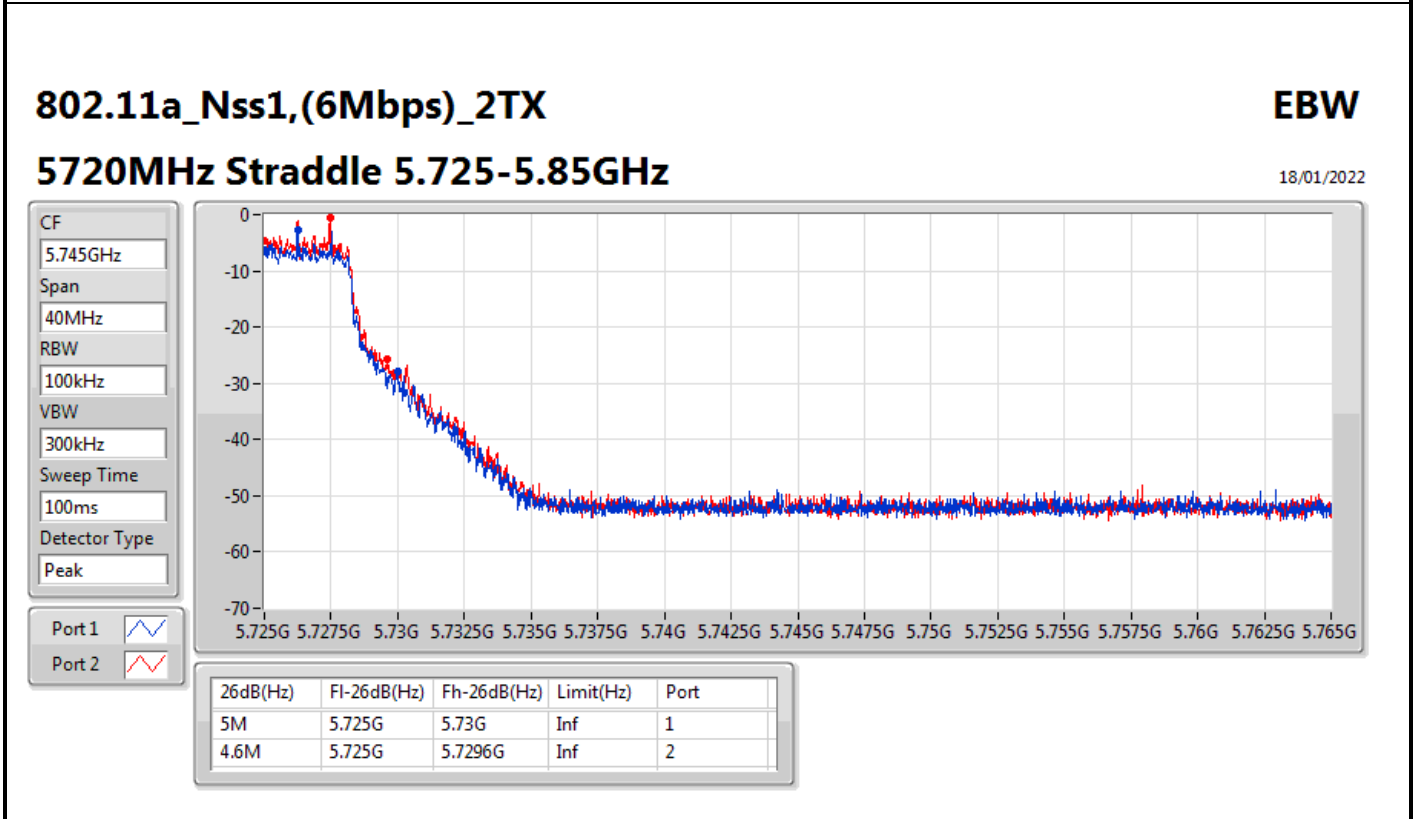
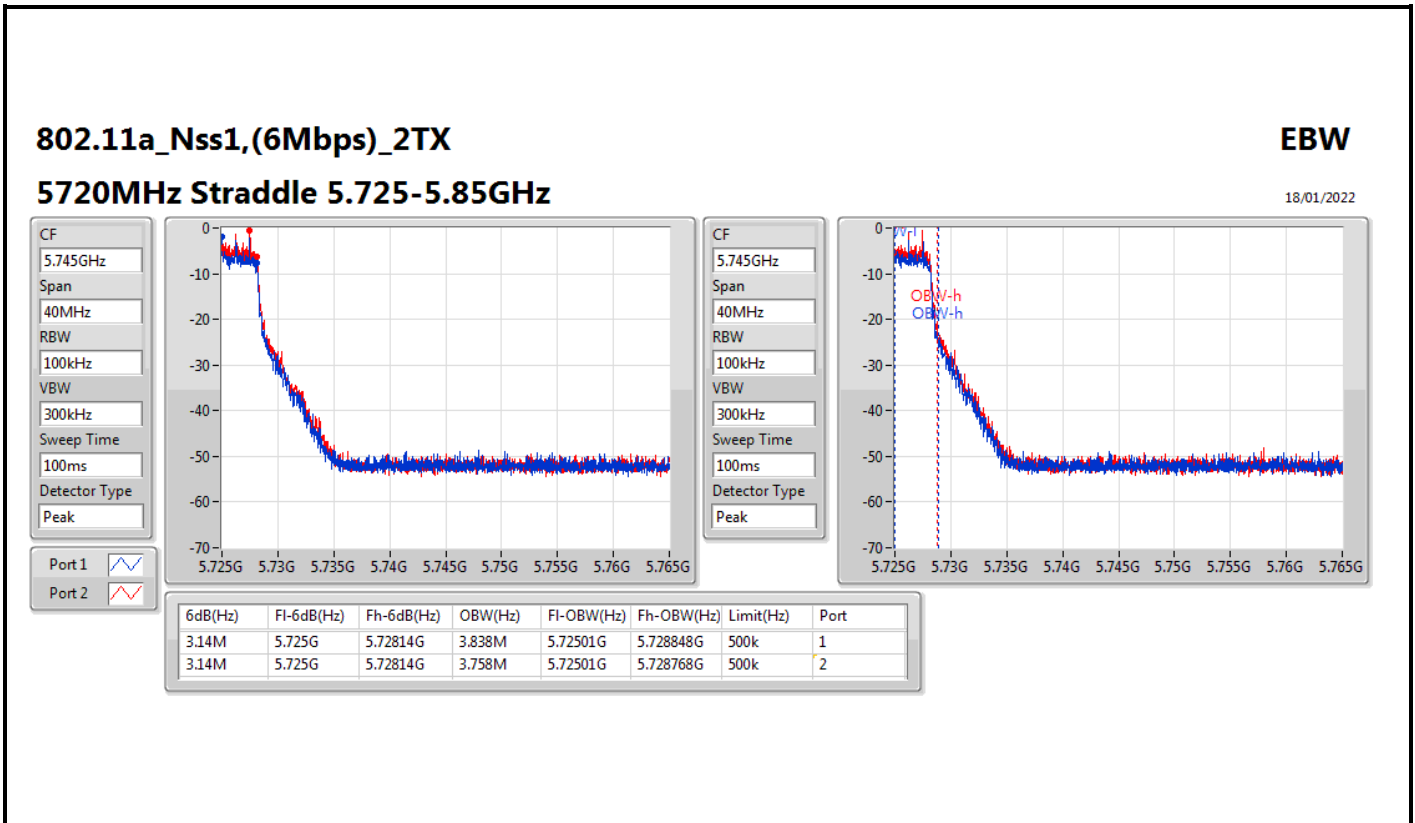
CF
5.71GHz
Span
30MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak

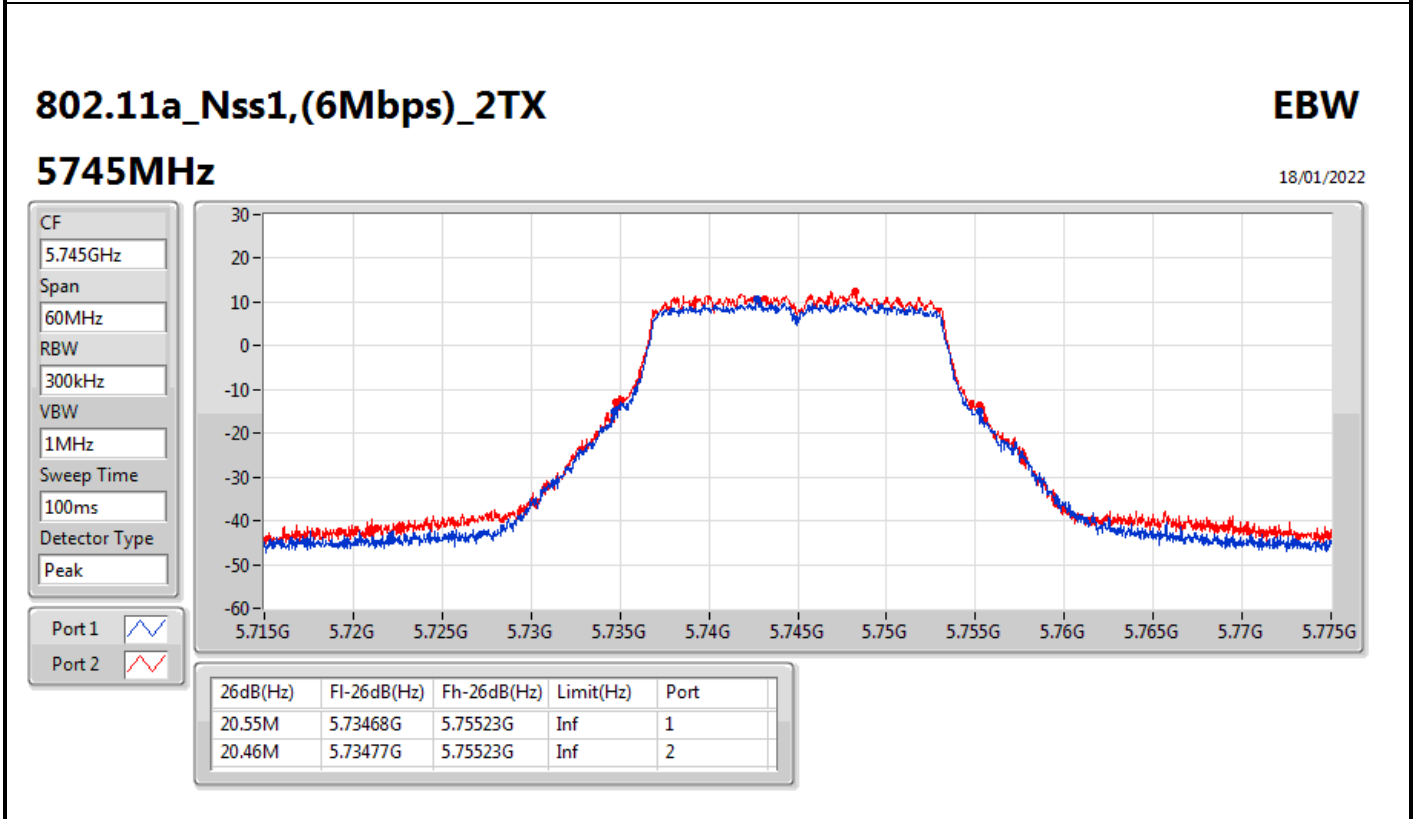
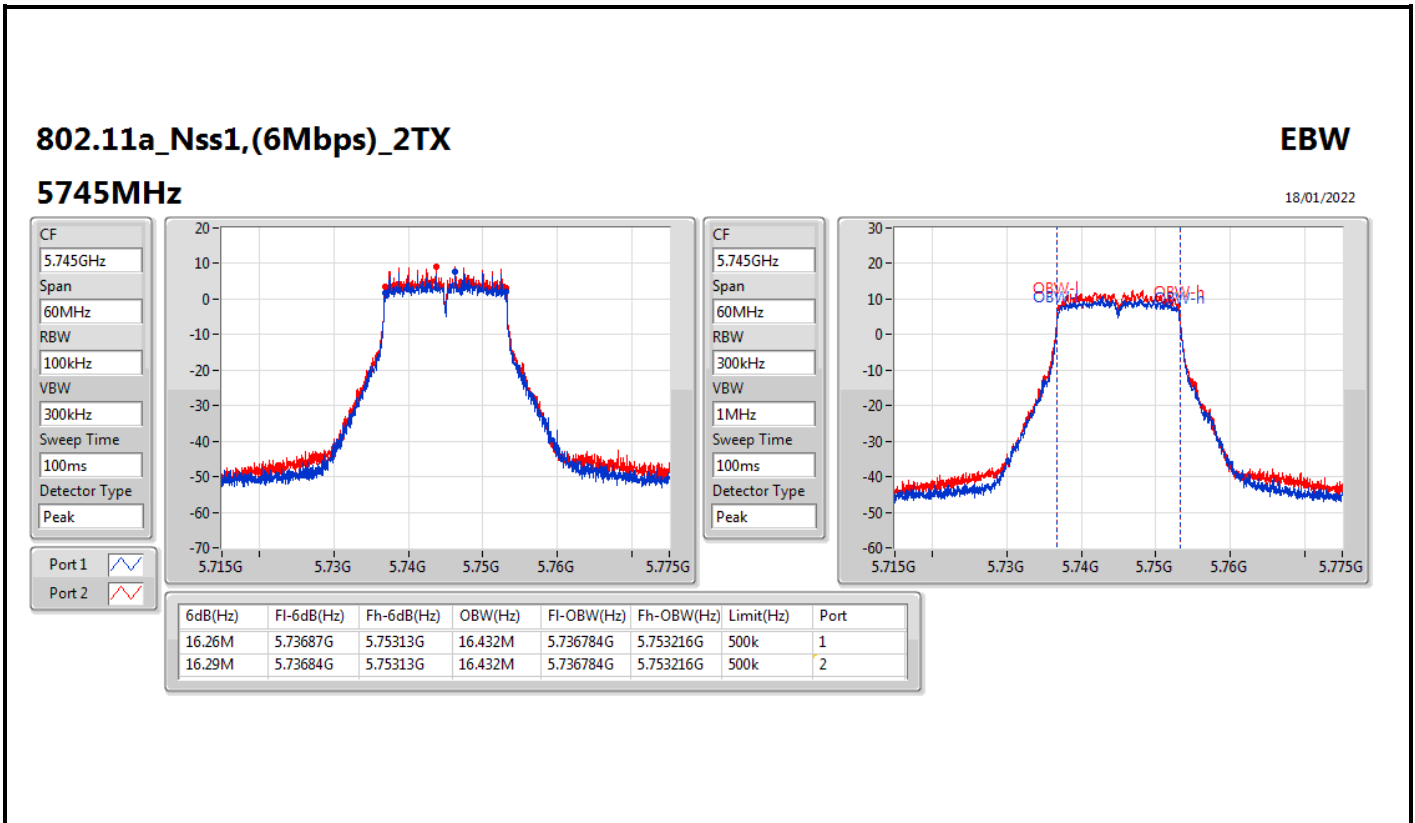


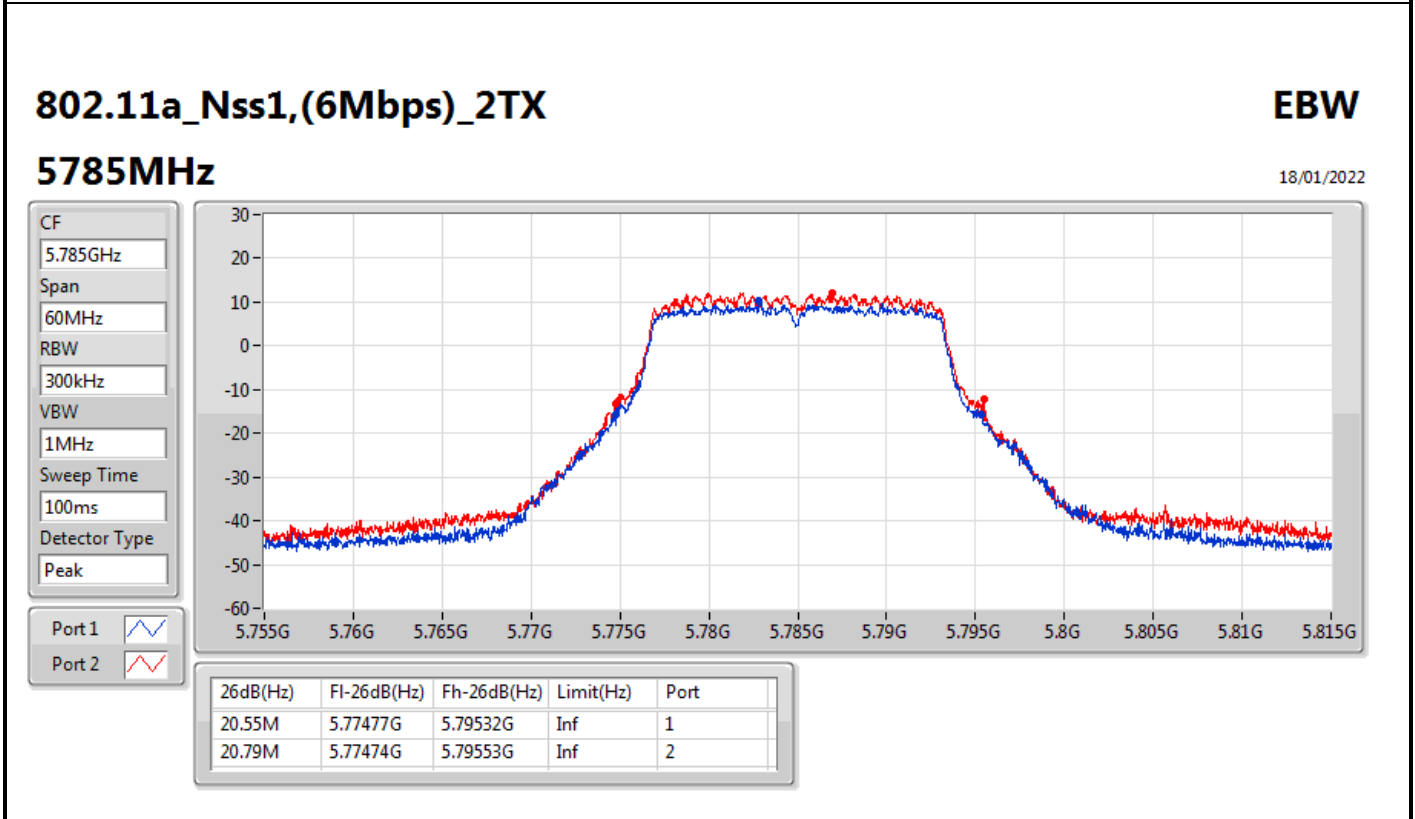
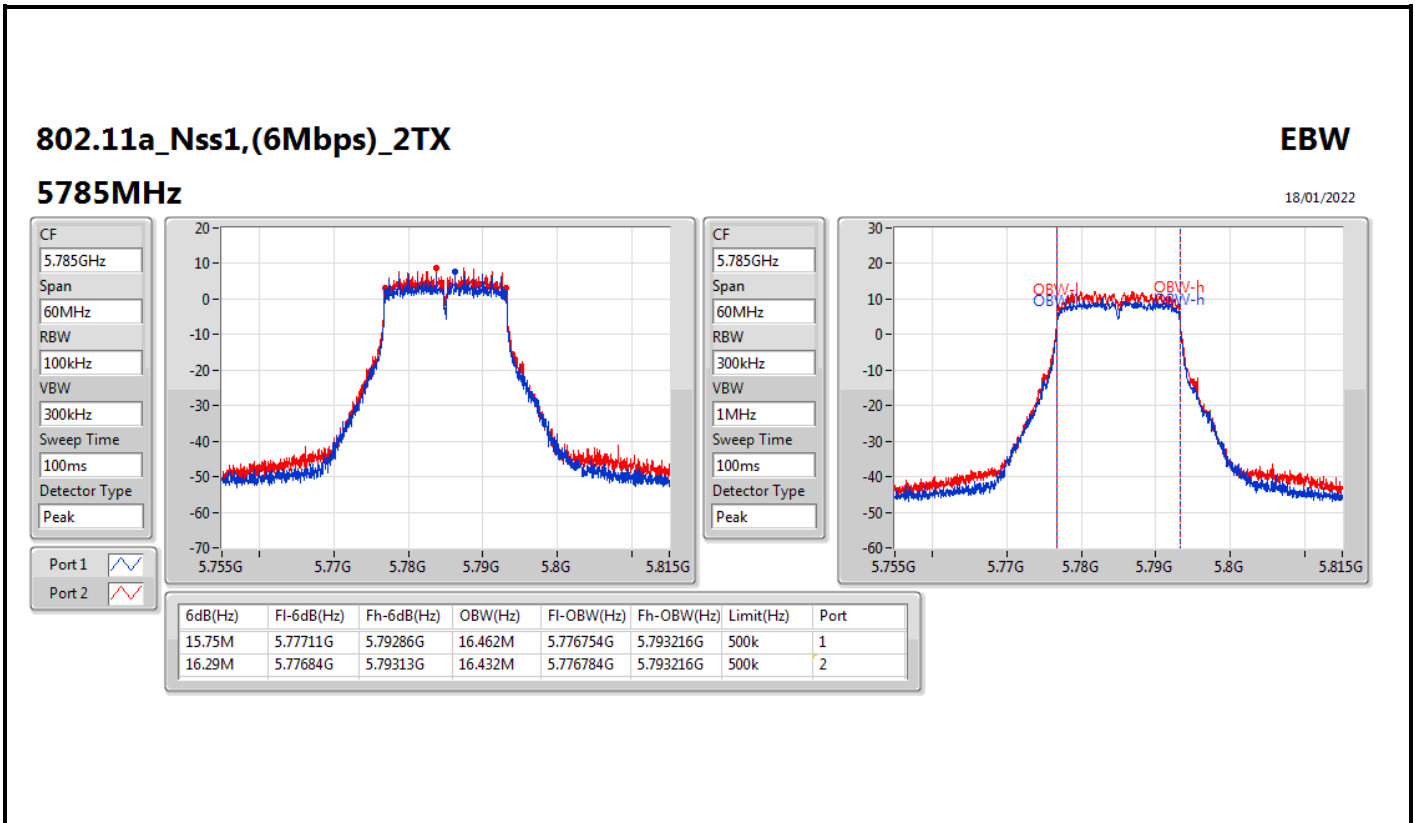
CF
5.71GHz
Span
30MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak

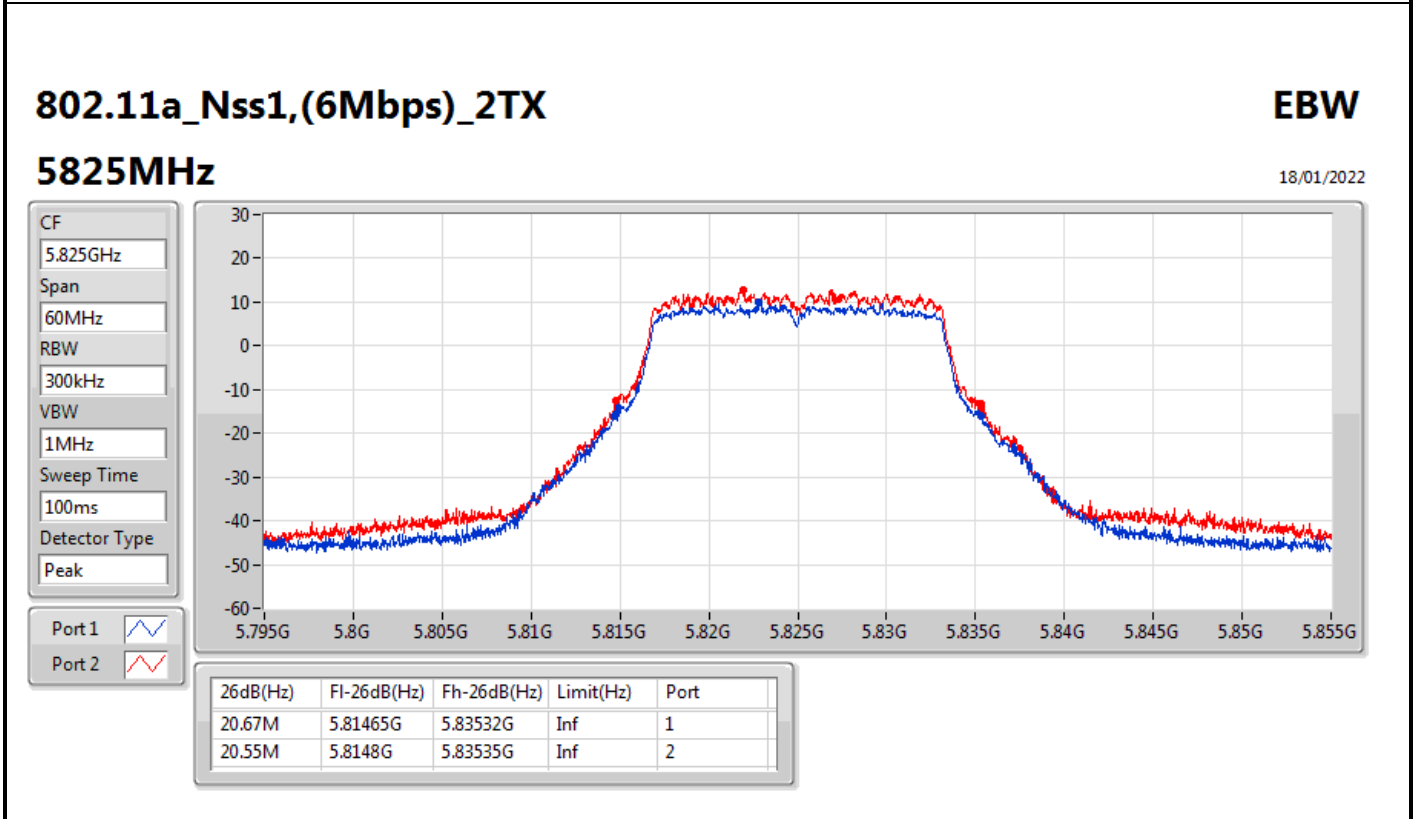
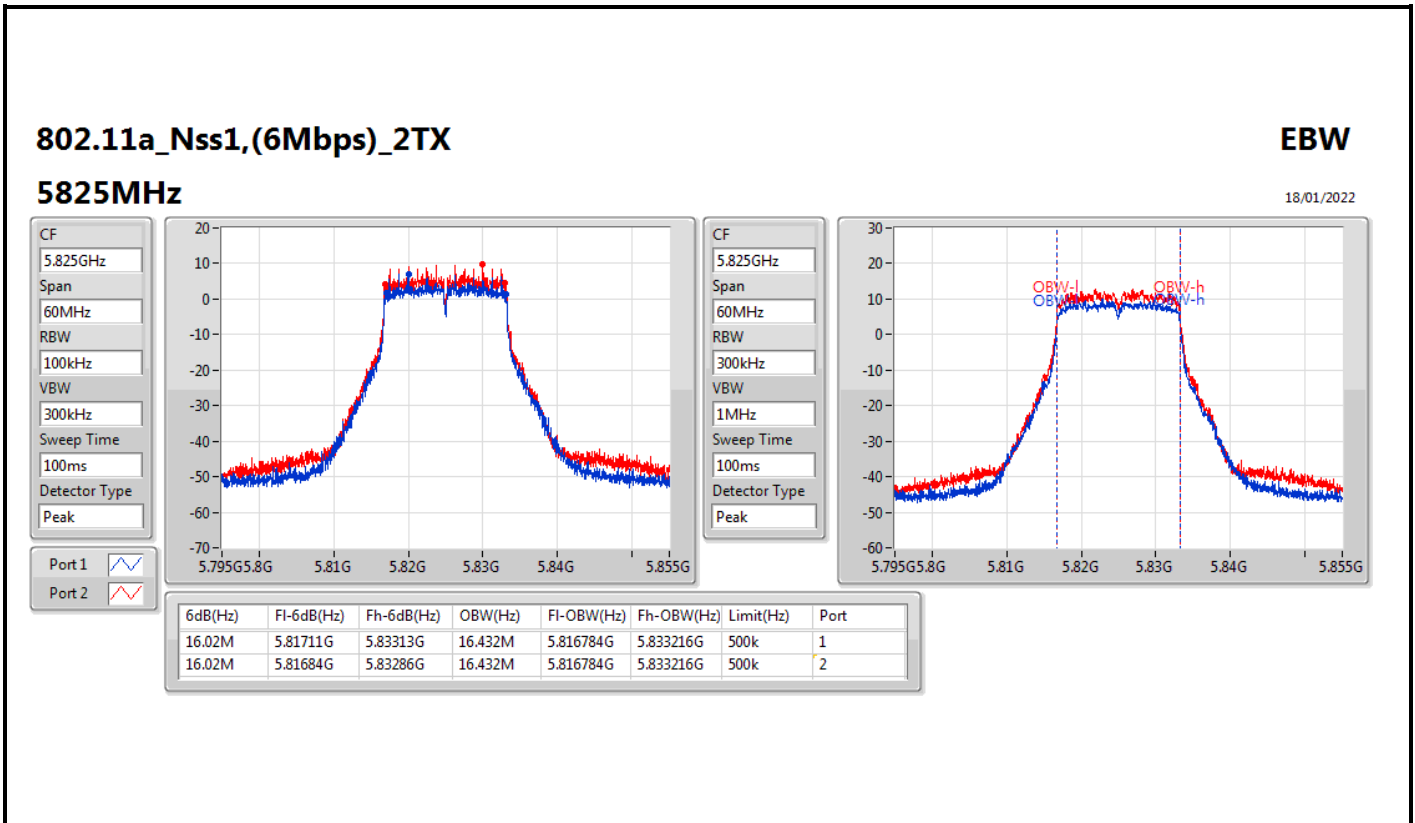


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.27M	5.70973G	5.725G	13.193M	5.711739G	5.724933G	Inf	1
15.06M	5.70994G	5.725G	13.208M	5.711739G	5.724948G	Inf	2







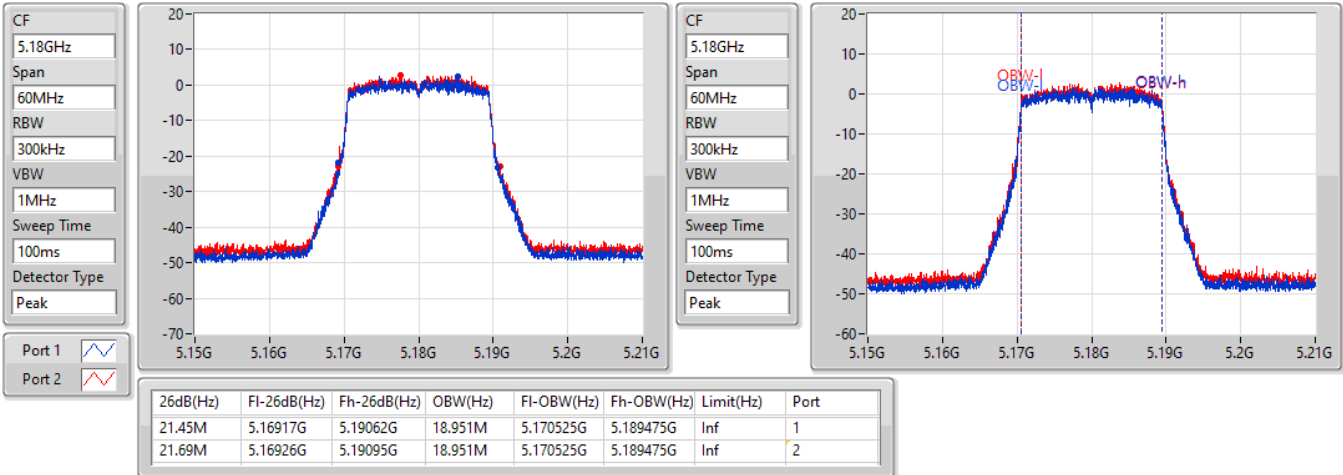


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5180MHz

20/01/2022

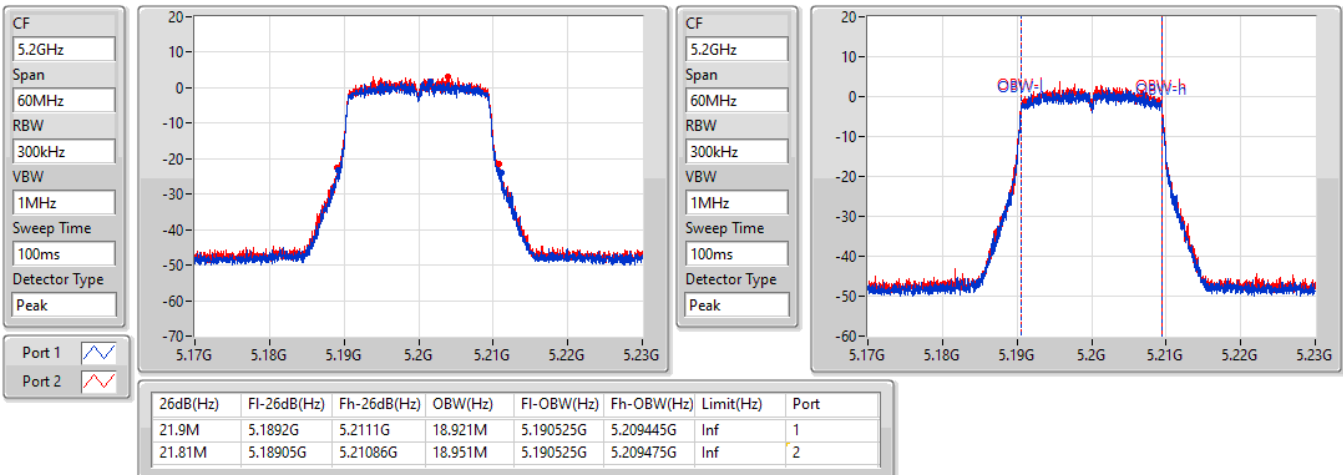


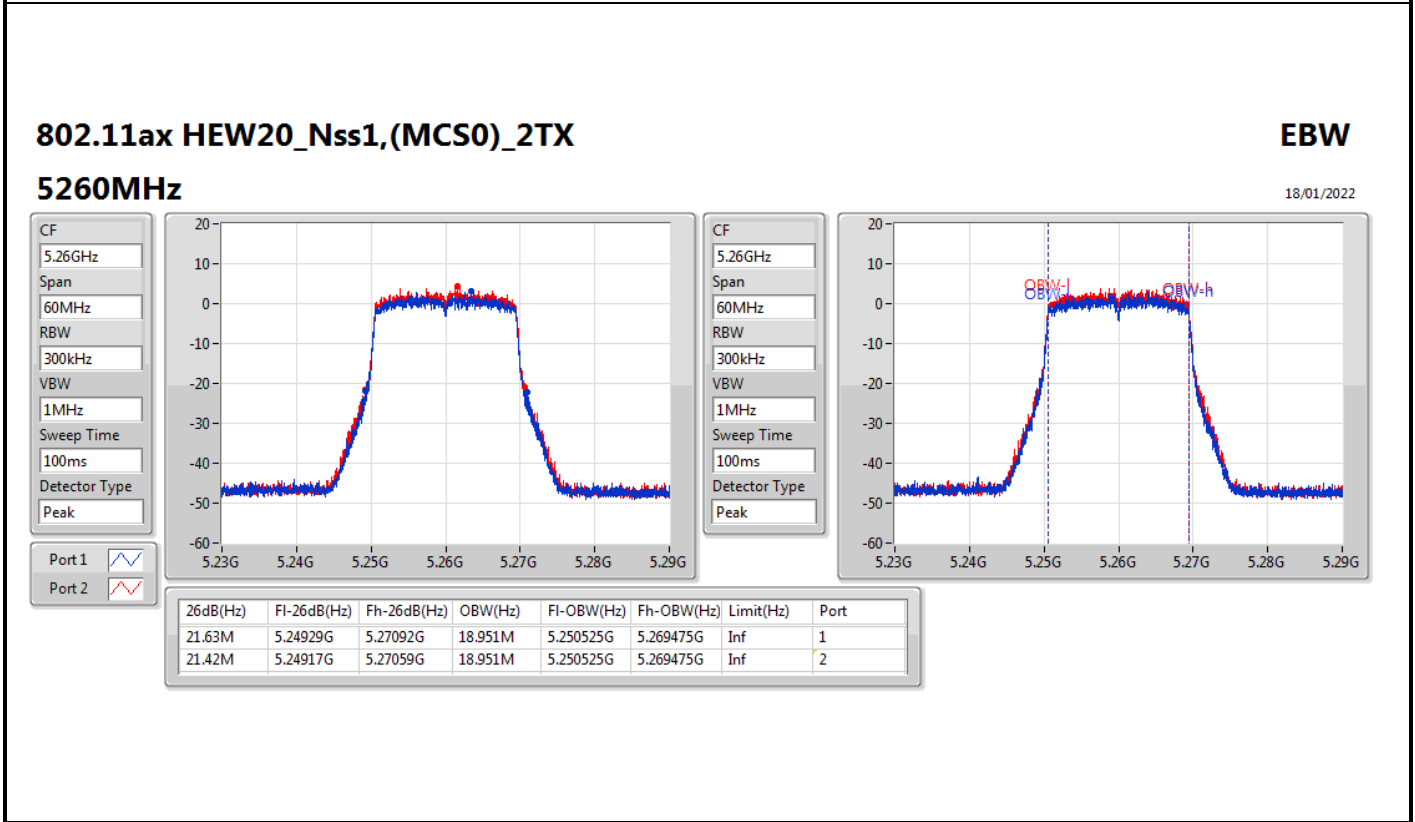
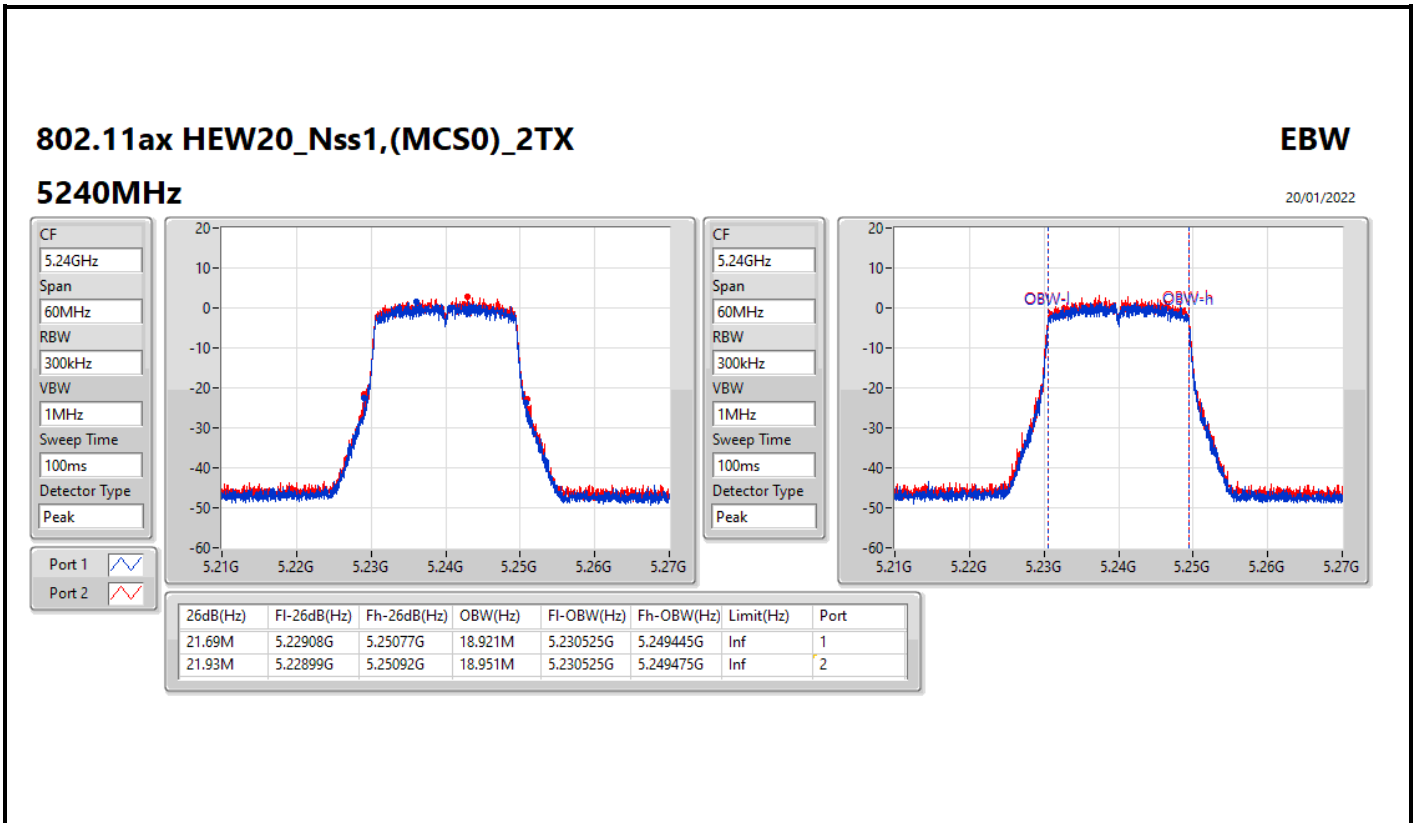
802.11ax HEW20_Nss1,(MCS0)_2TX

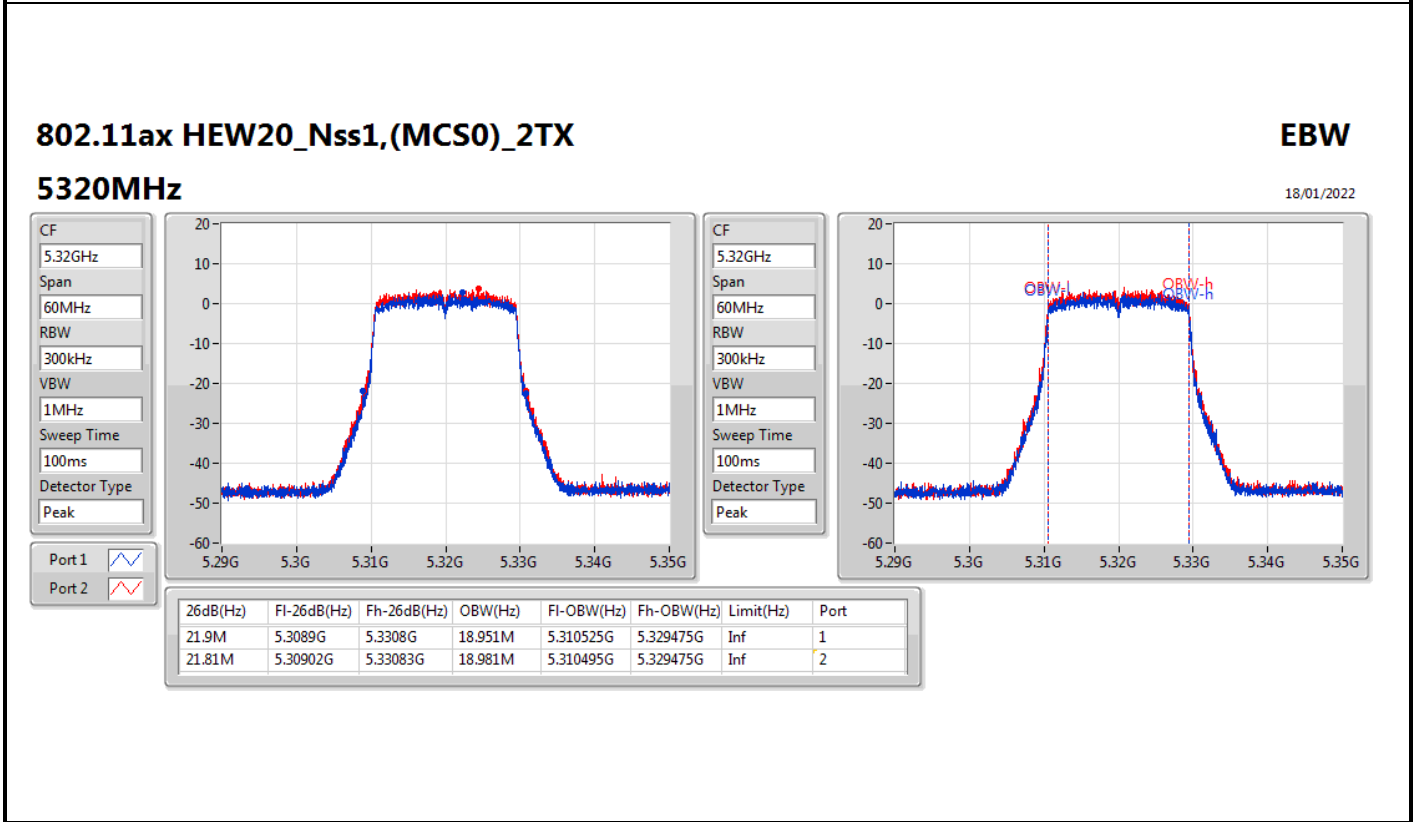
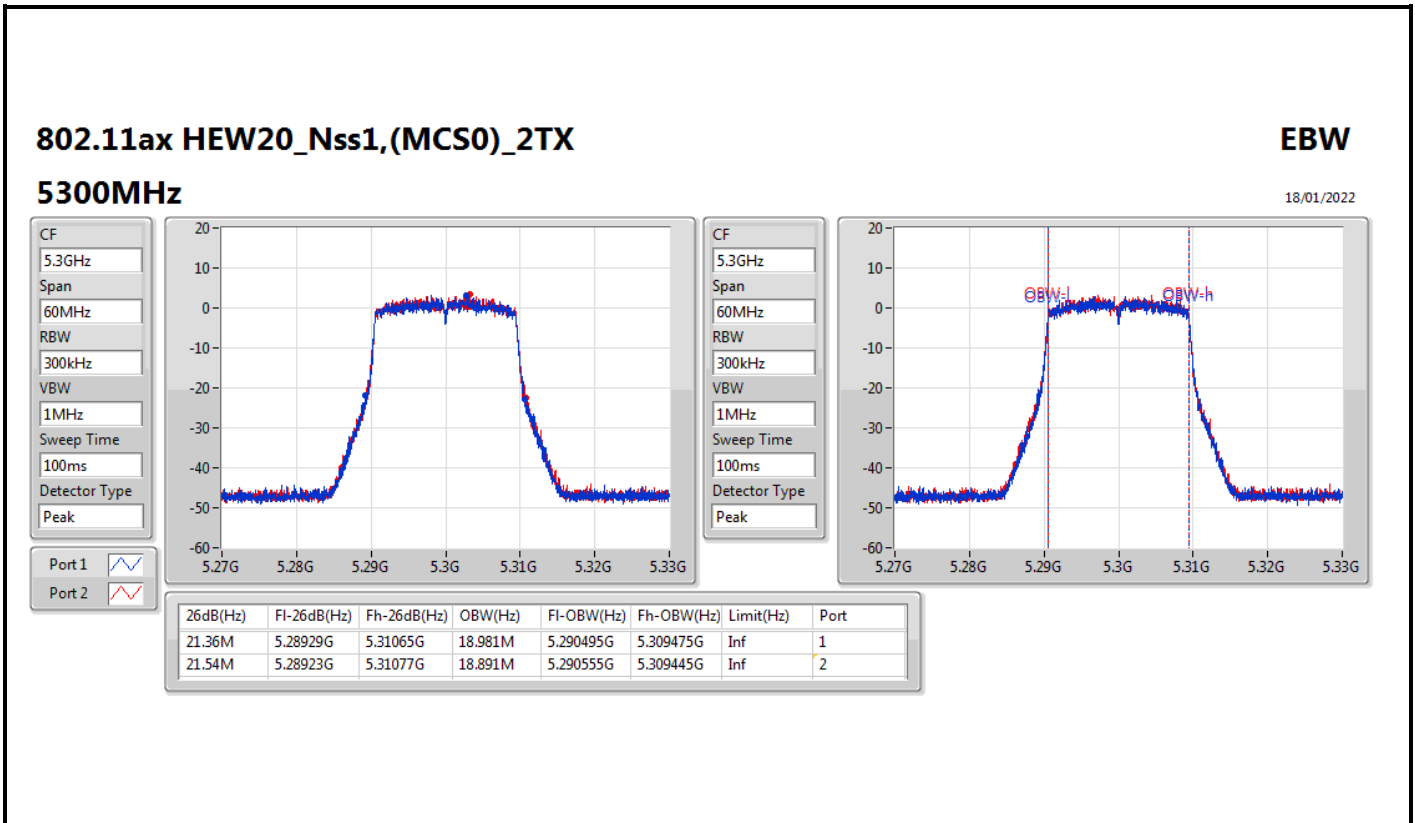
EBW

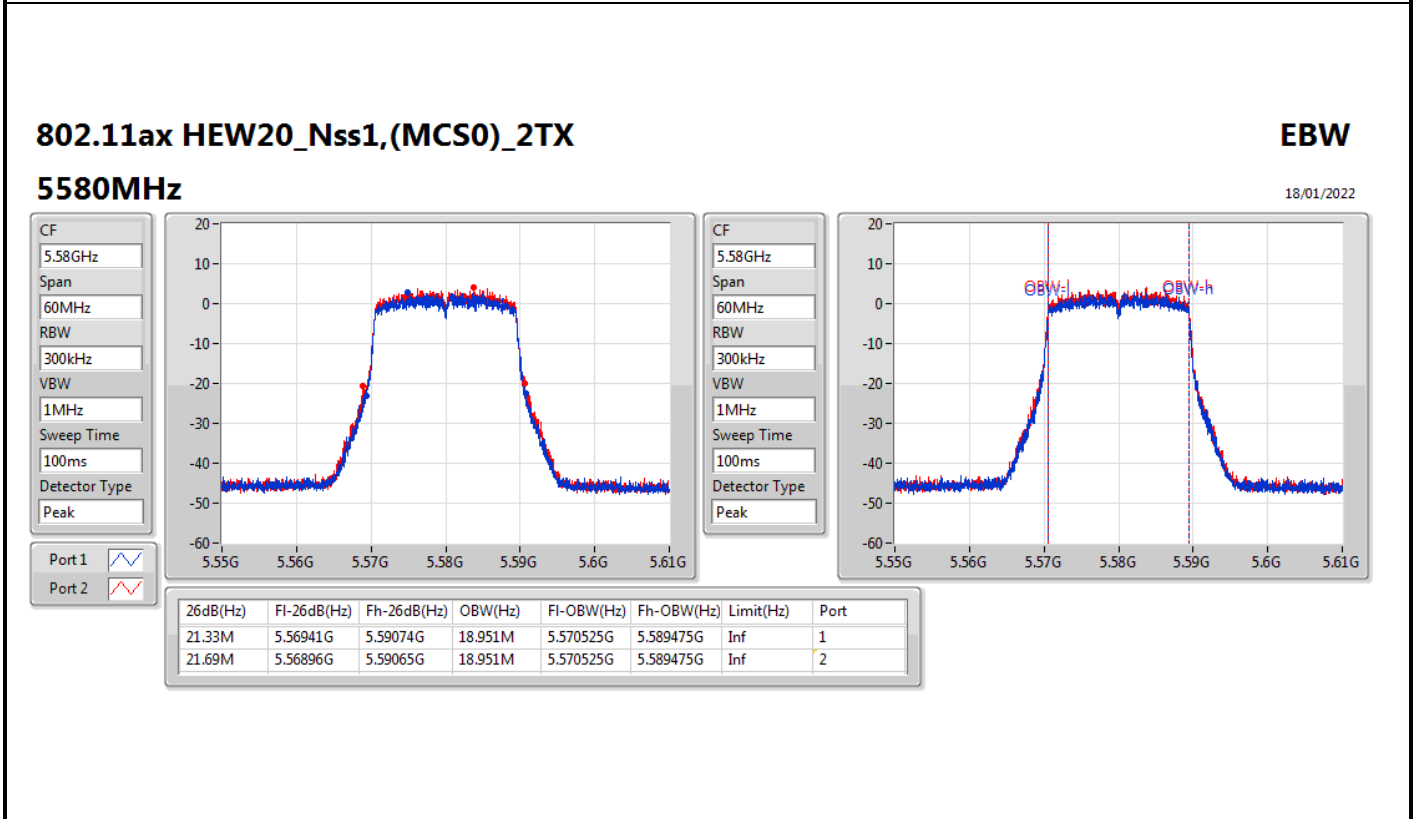
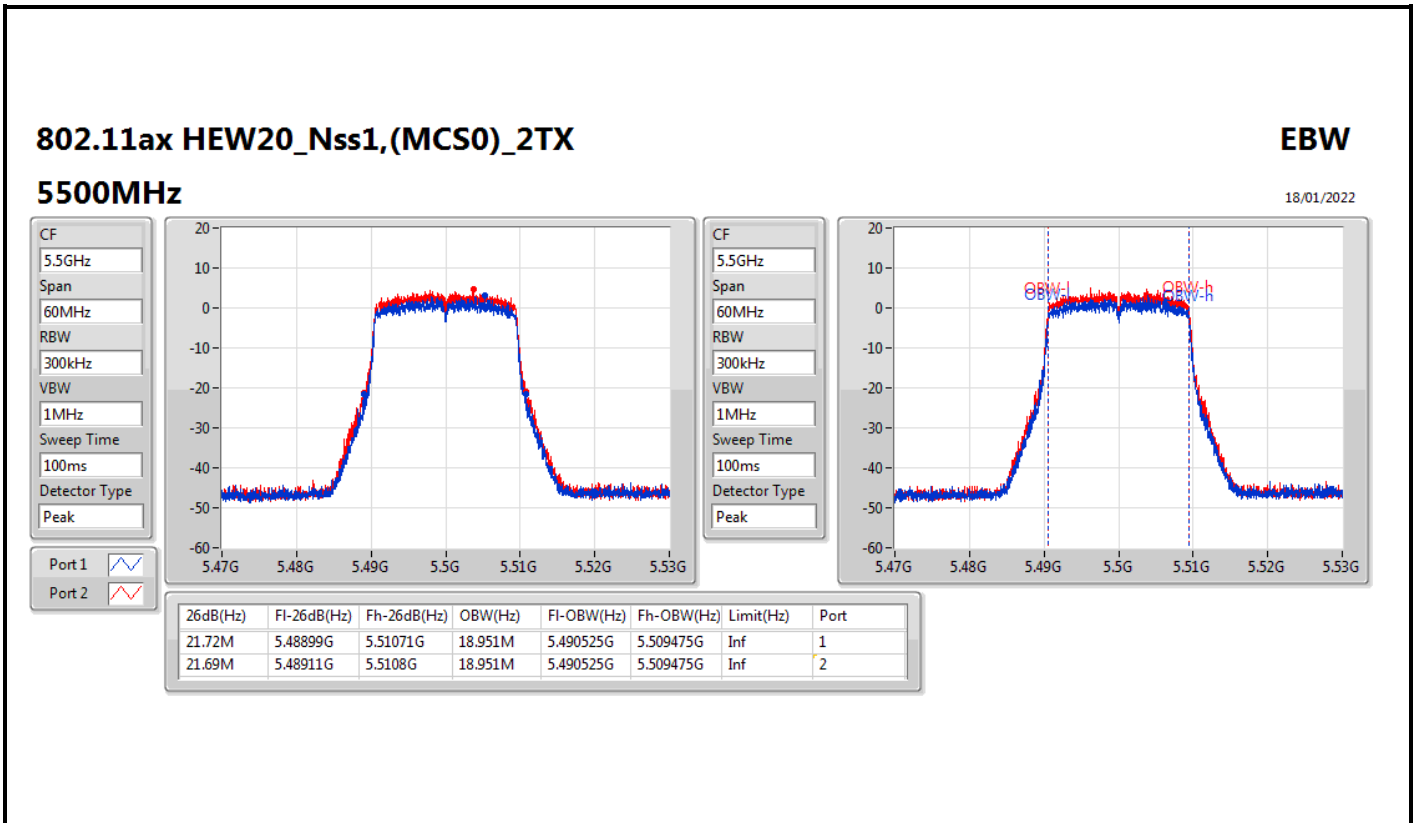
5200MHz

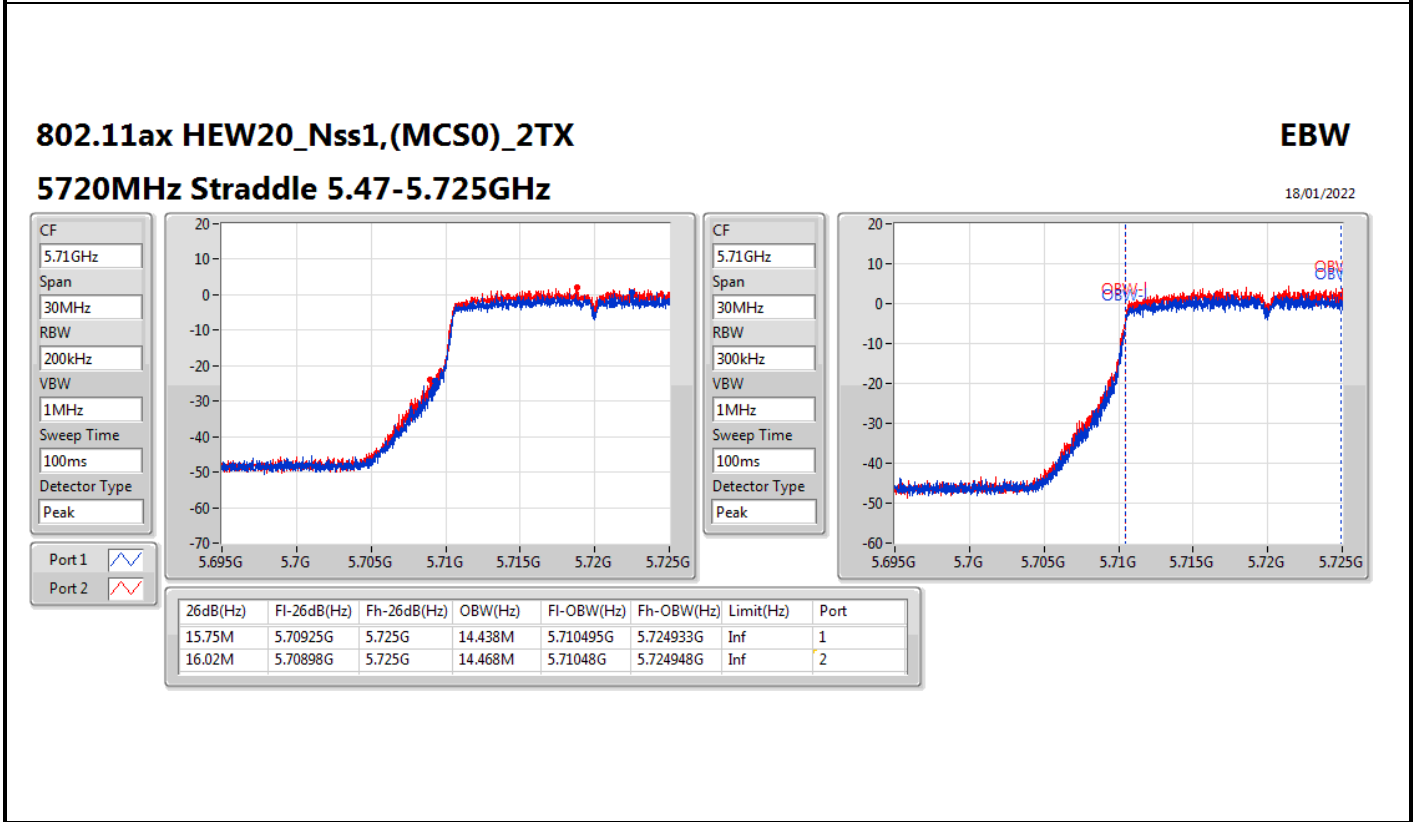
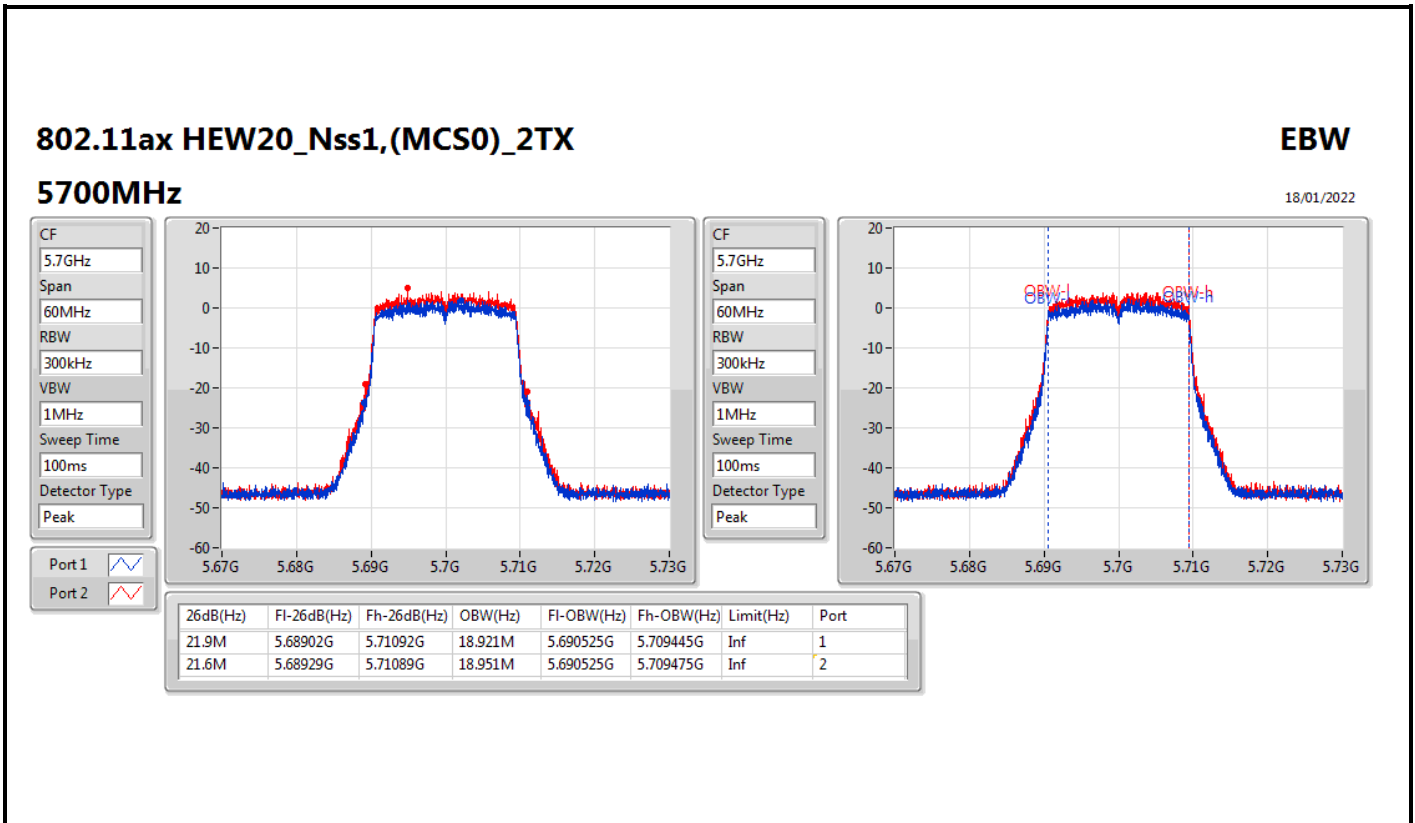
20/01/2022

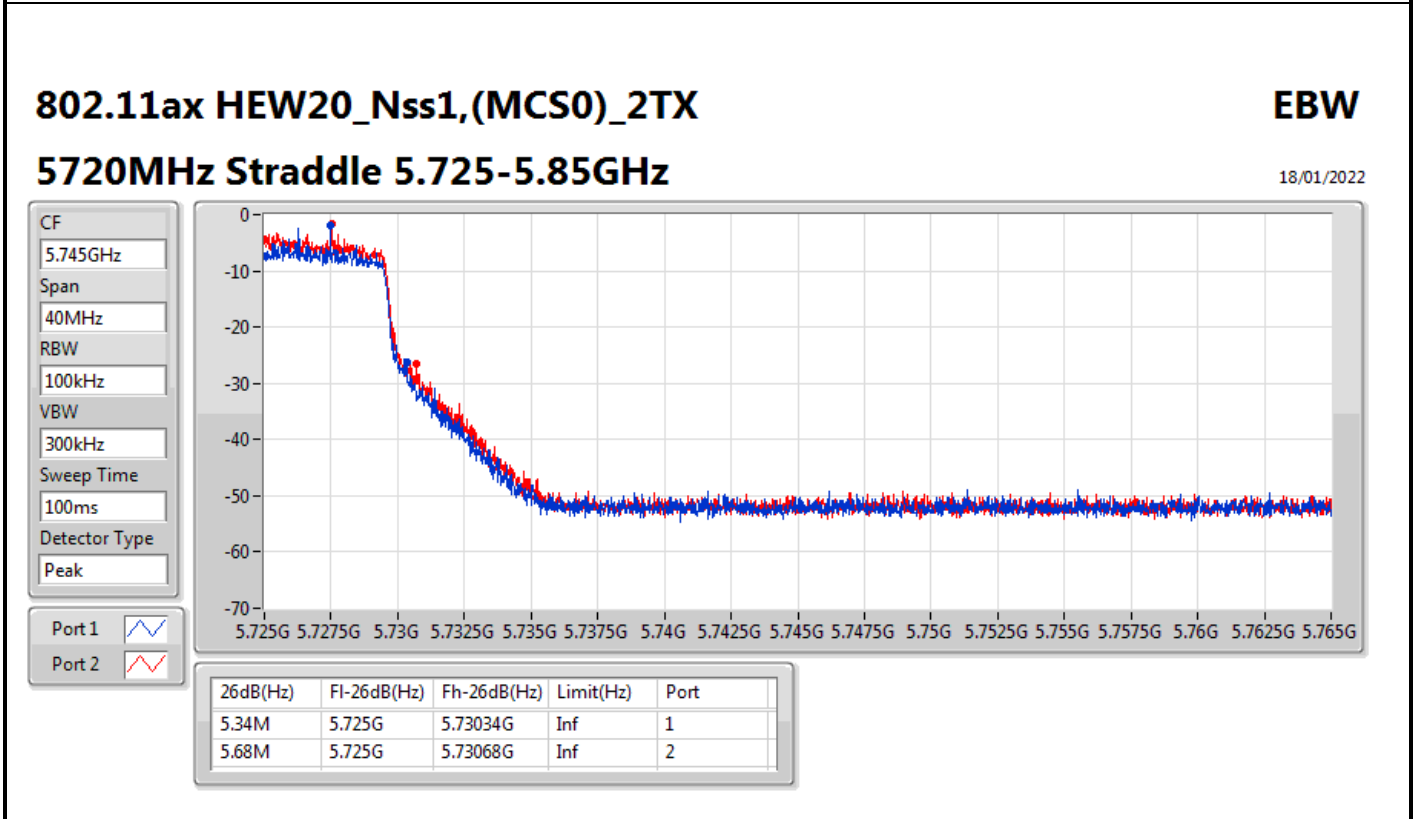
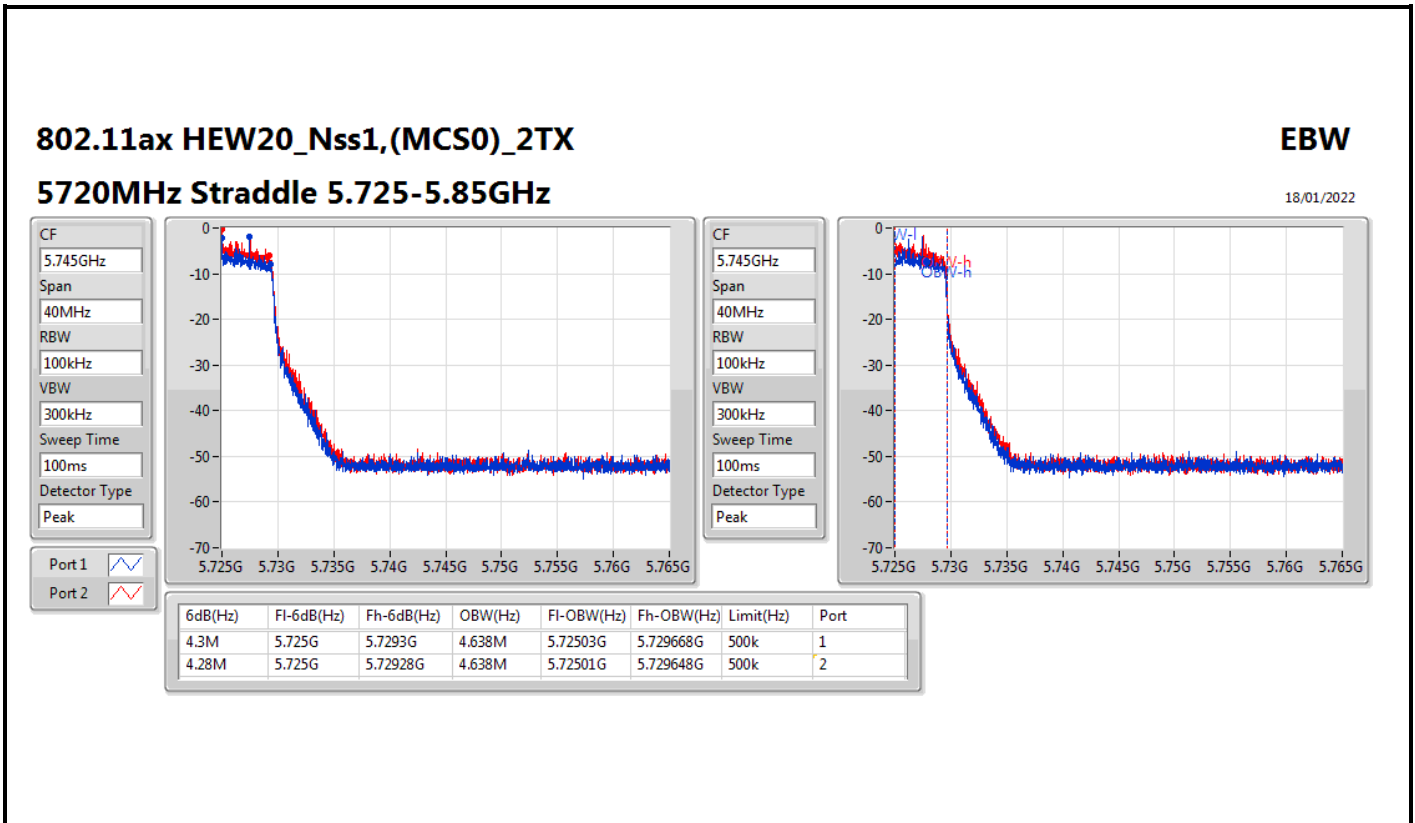


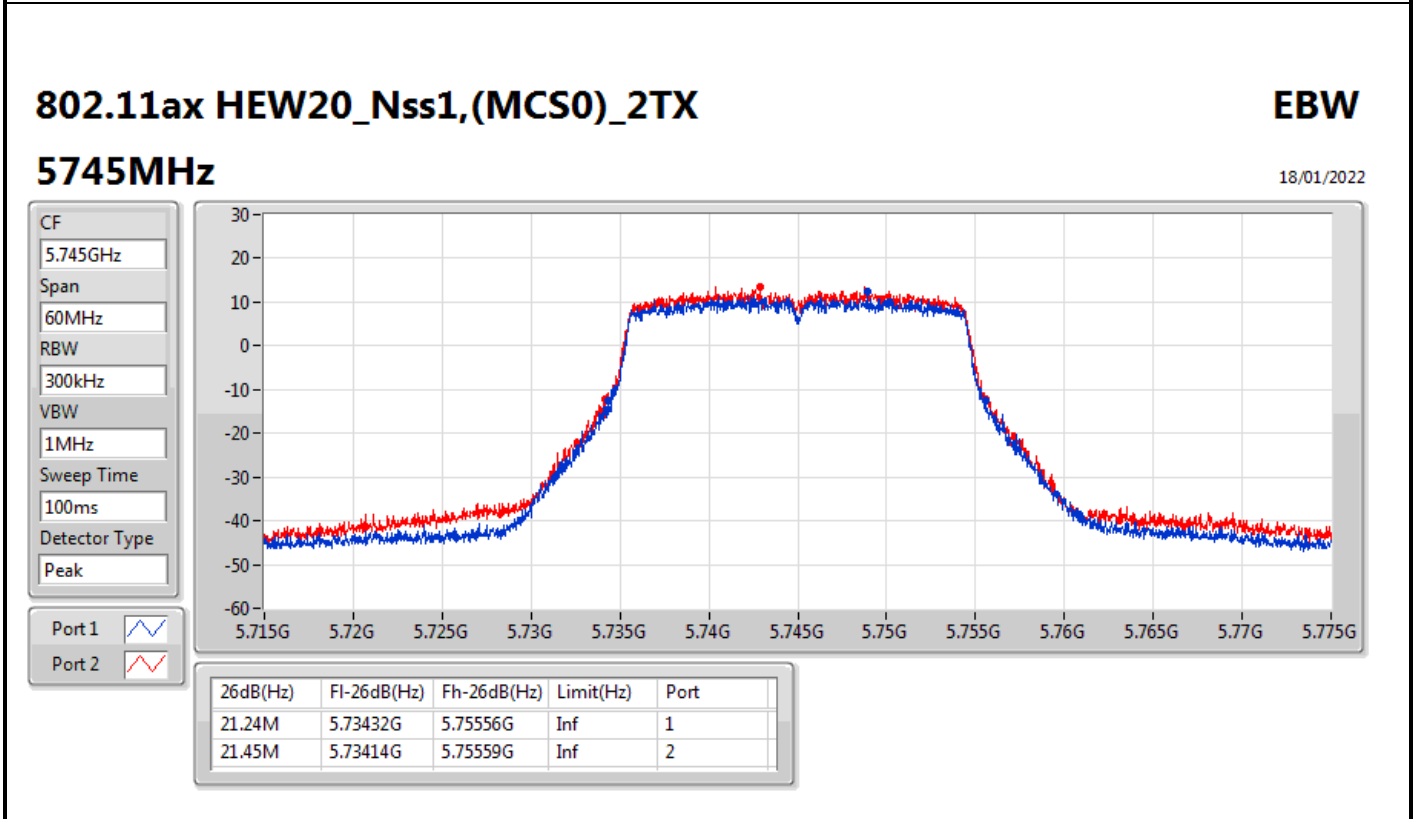
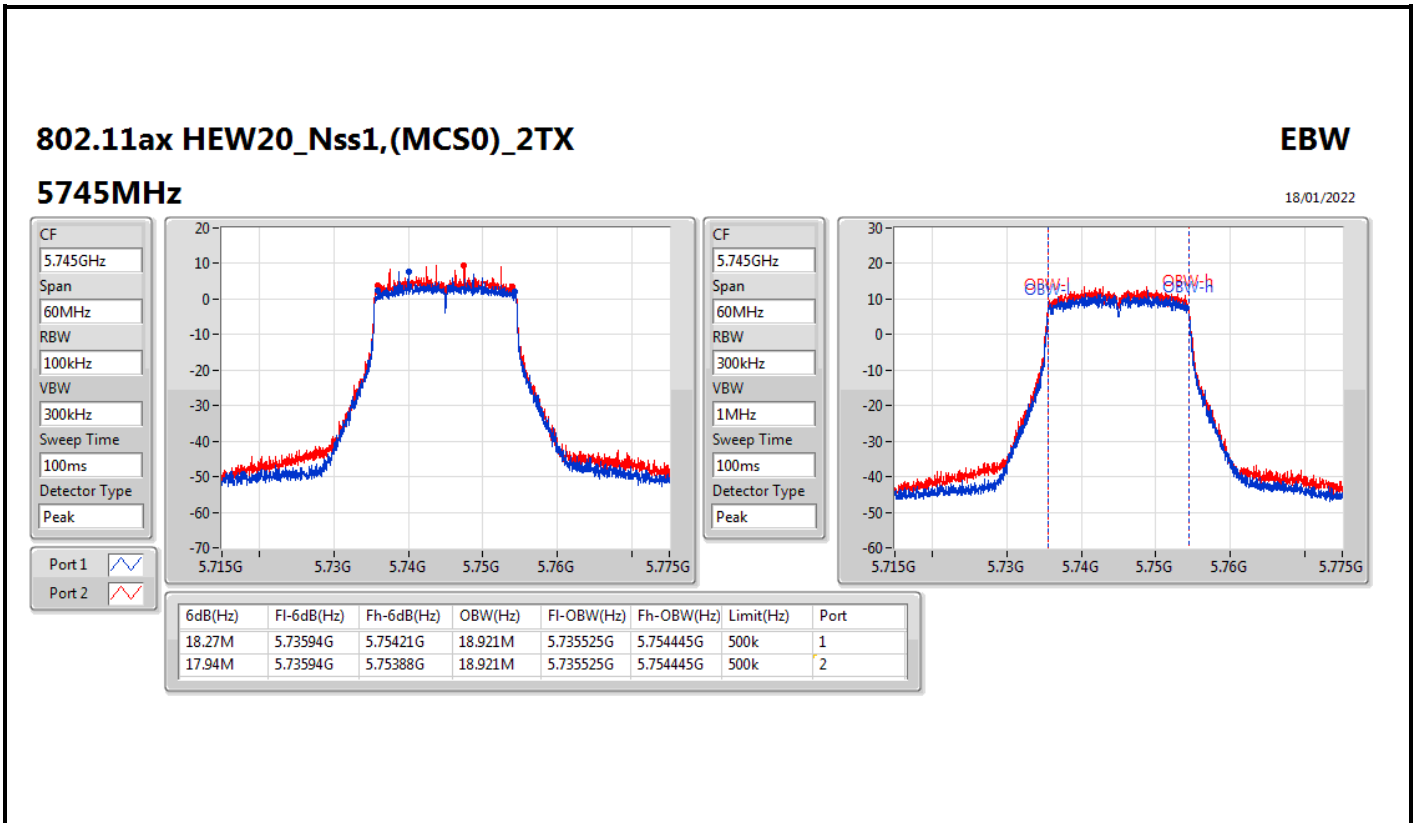


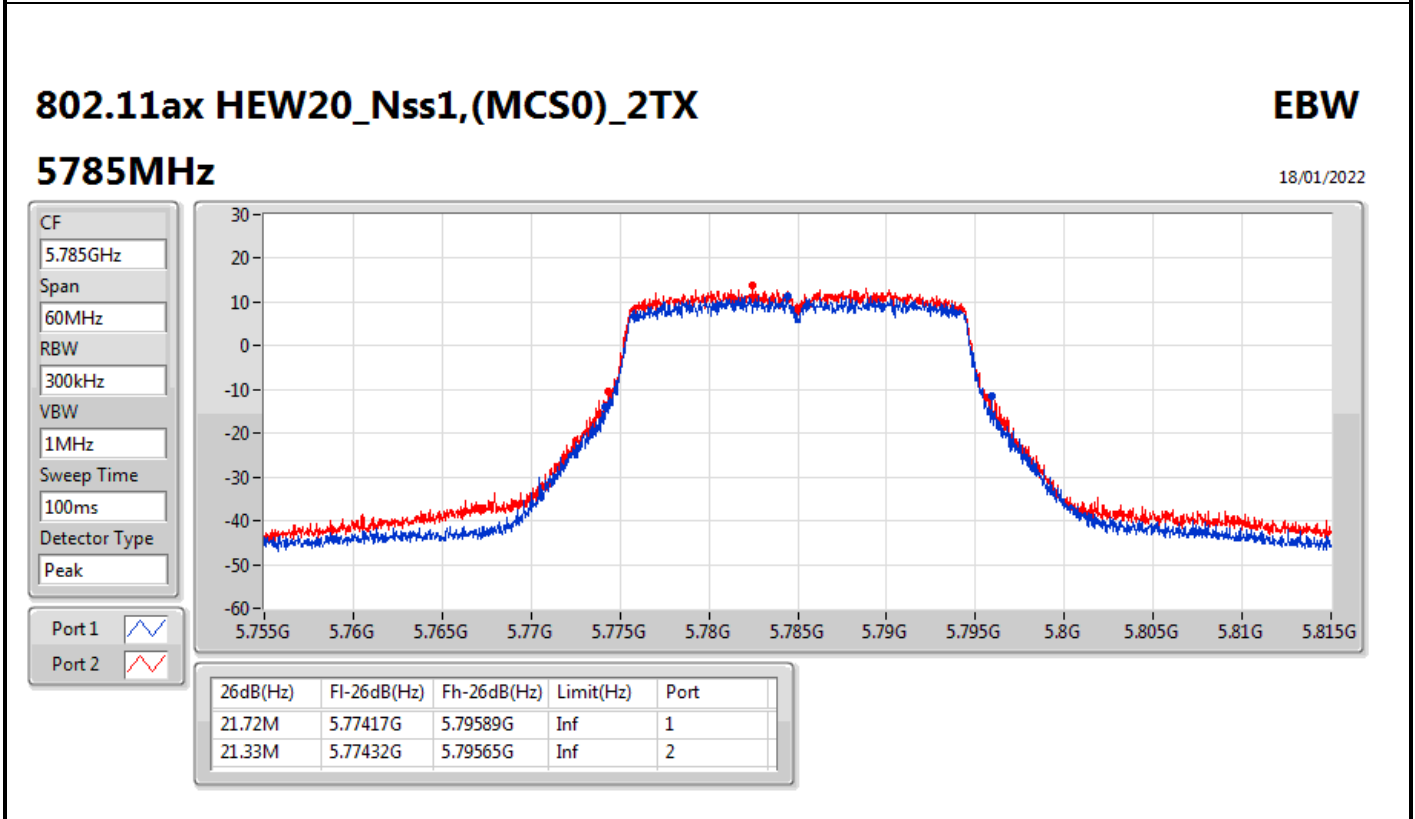
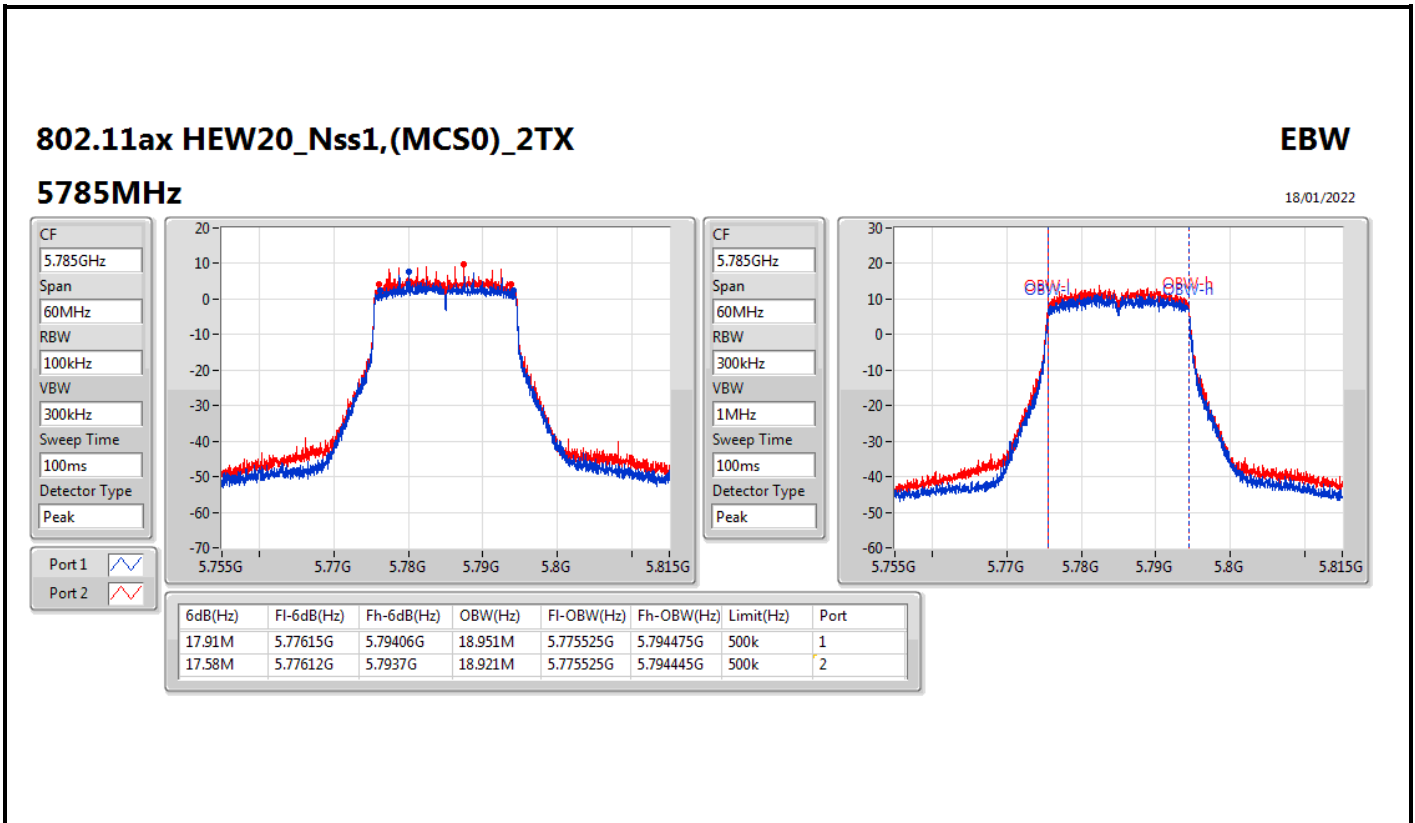


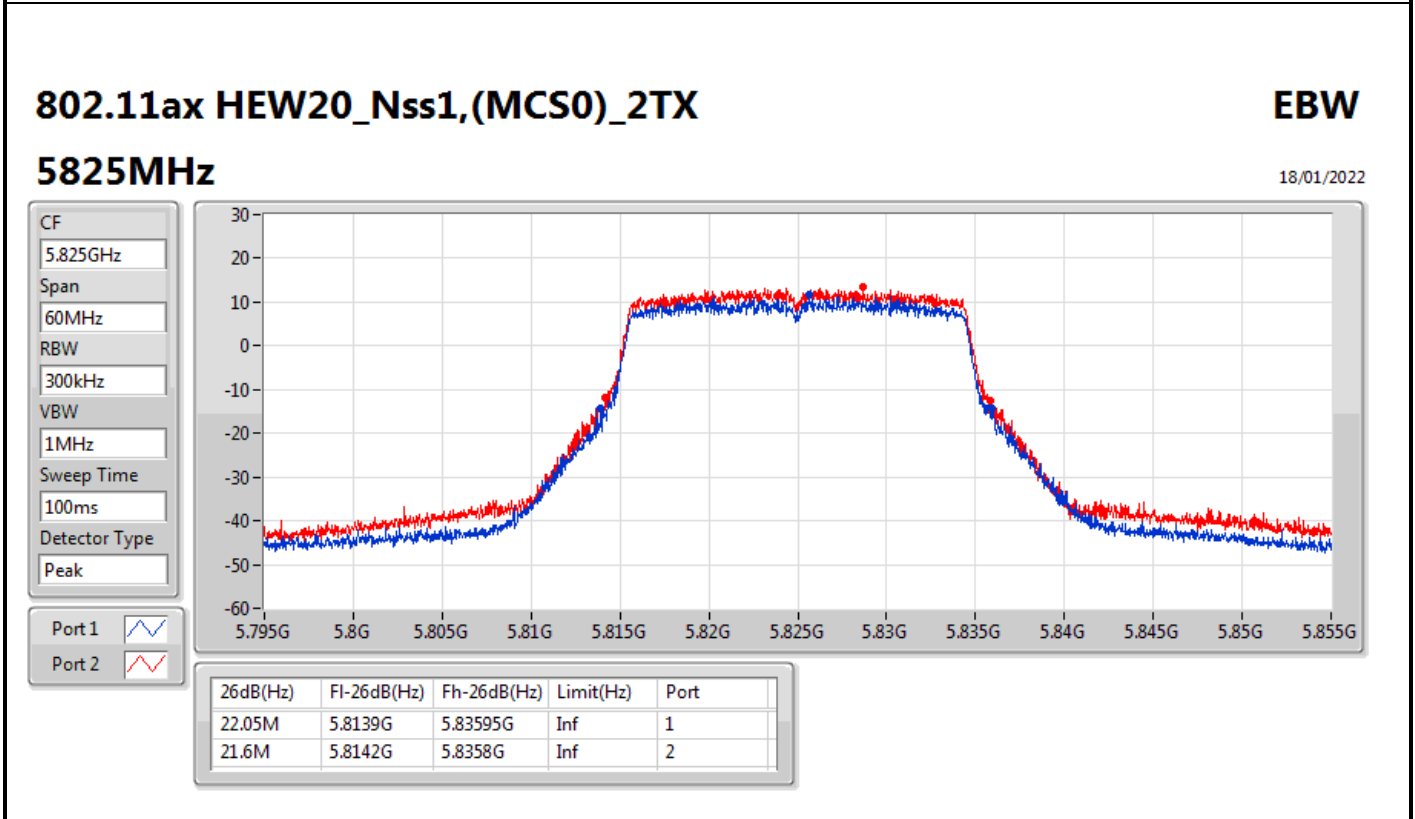
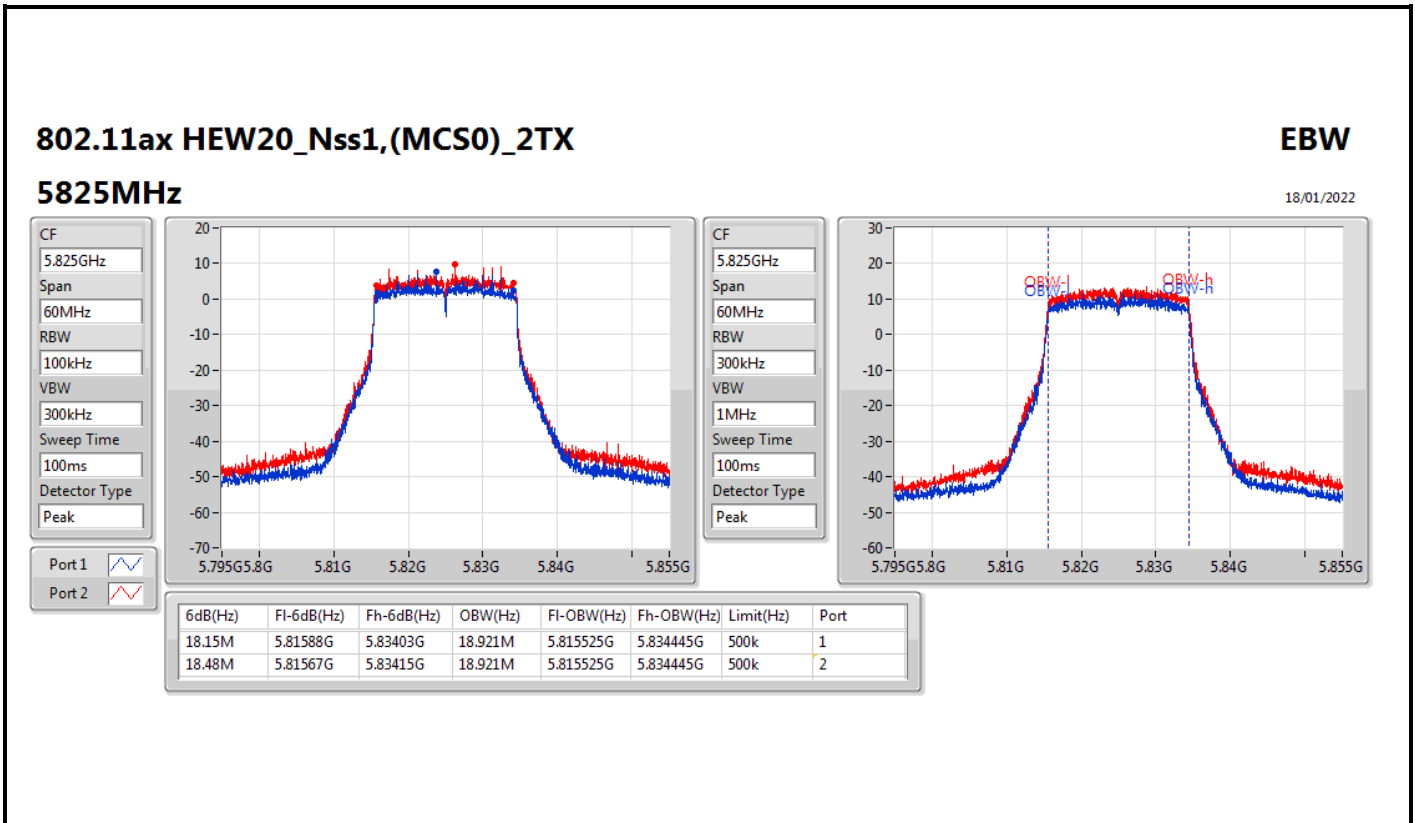










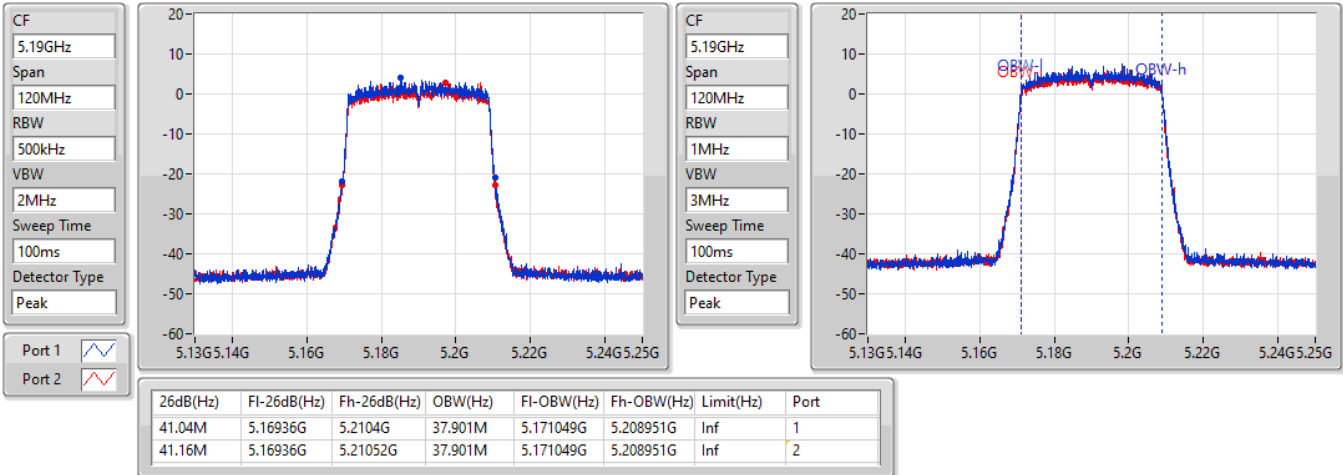


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5190MHz

20/01/2022

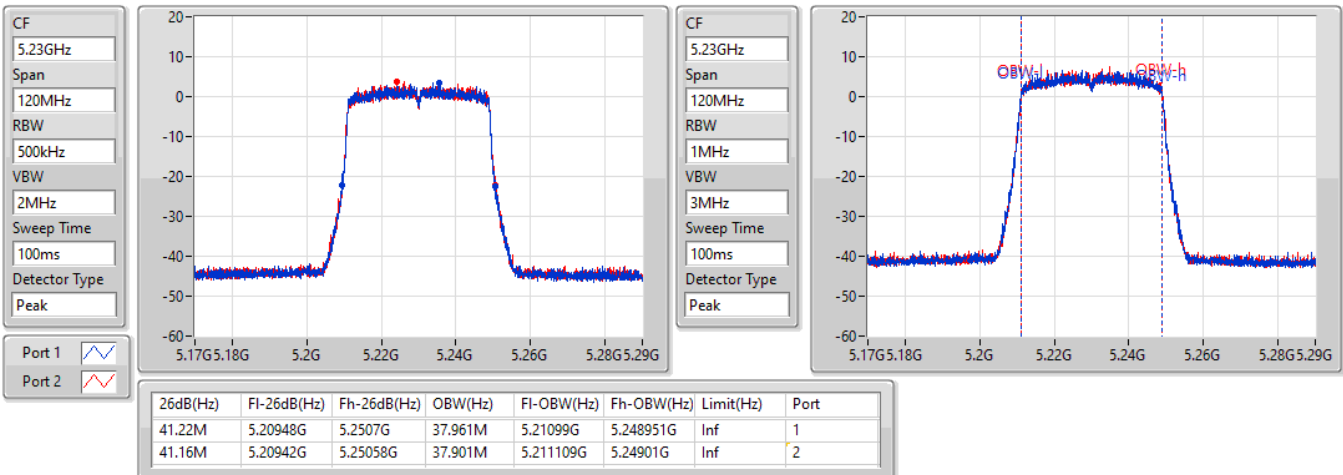


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5230MHz

20/01/2022

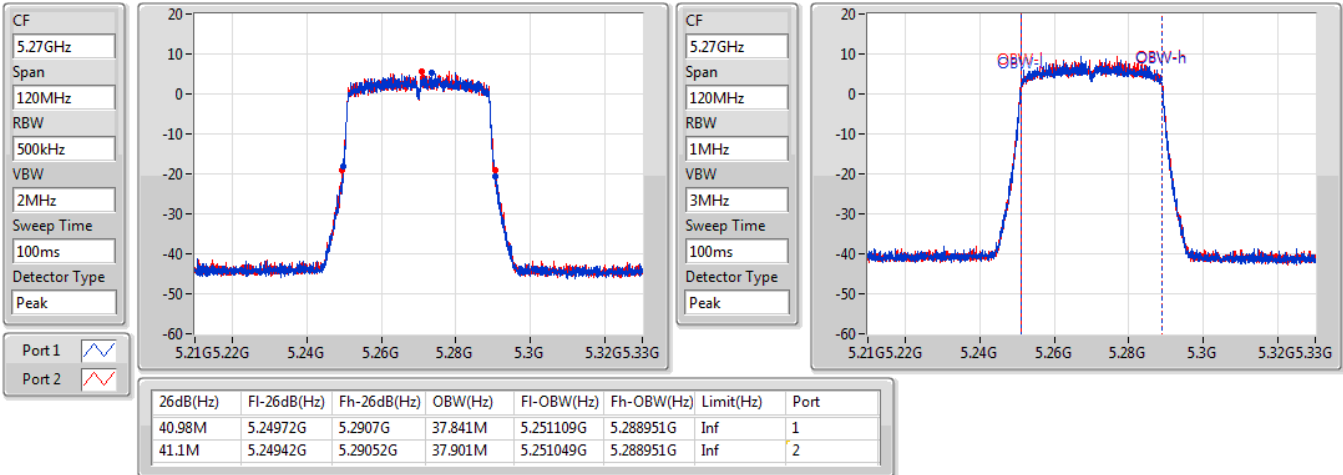


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5270MHz

18/01/2022

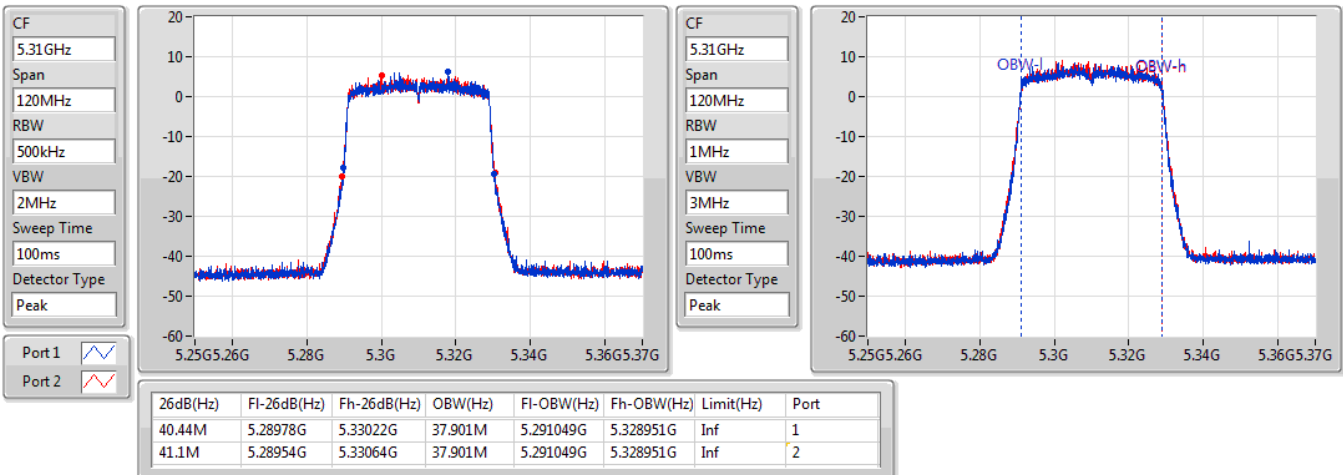


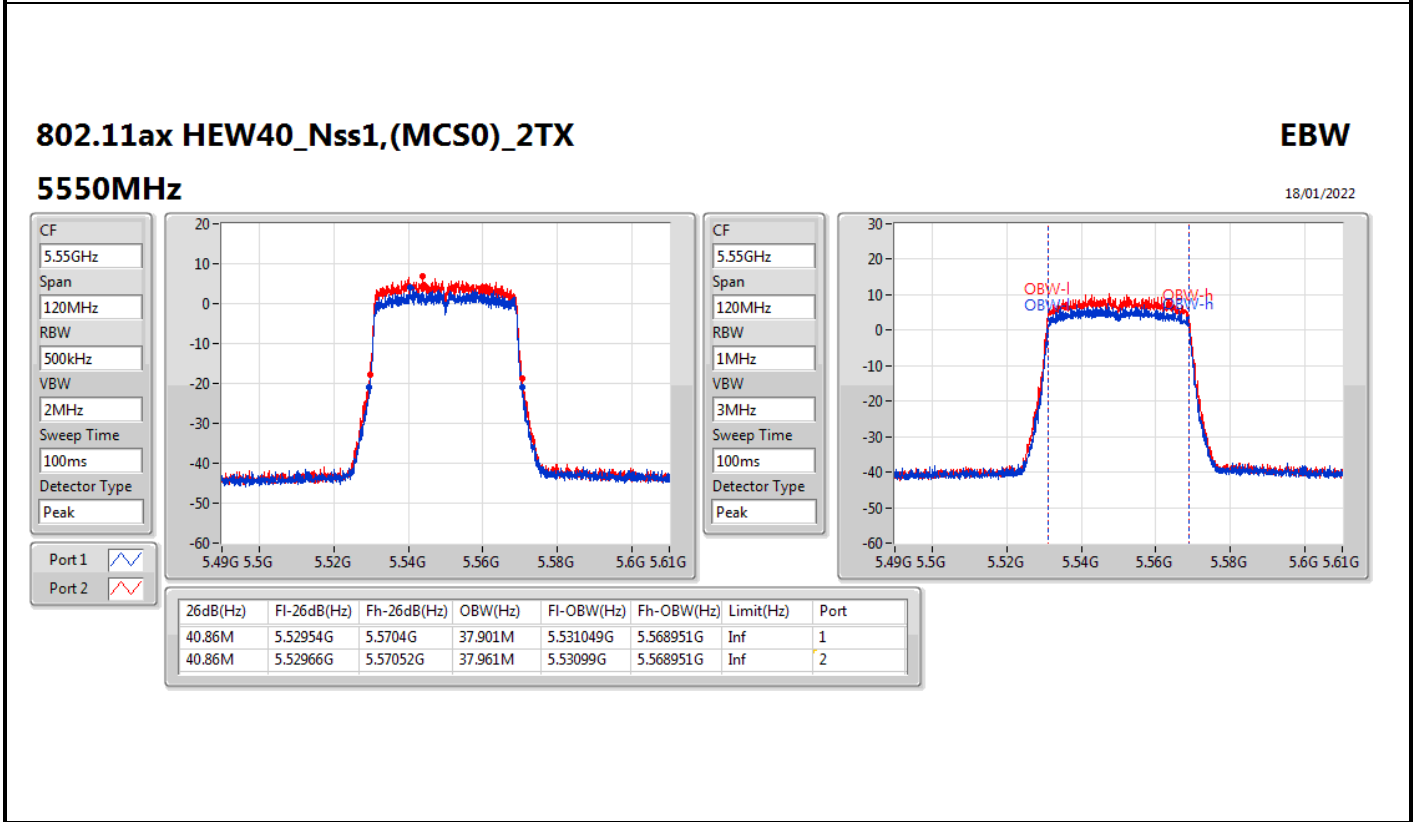
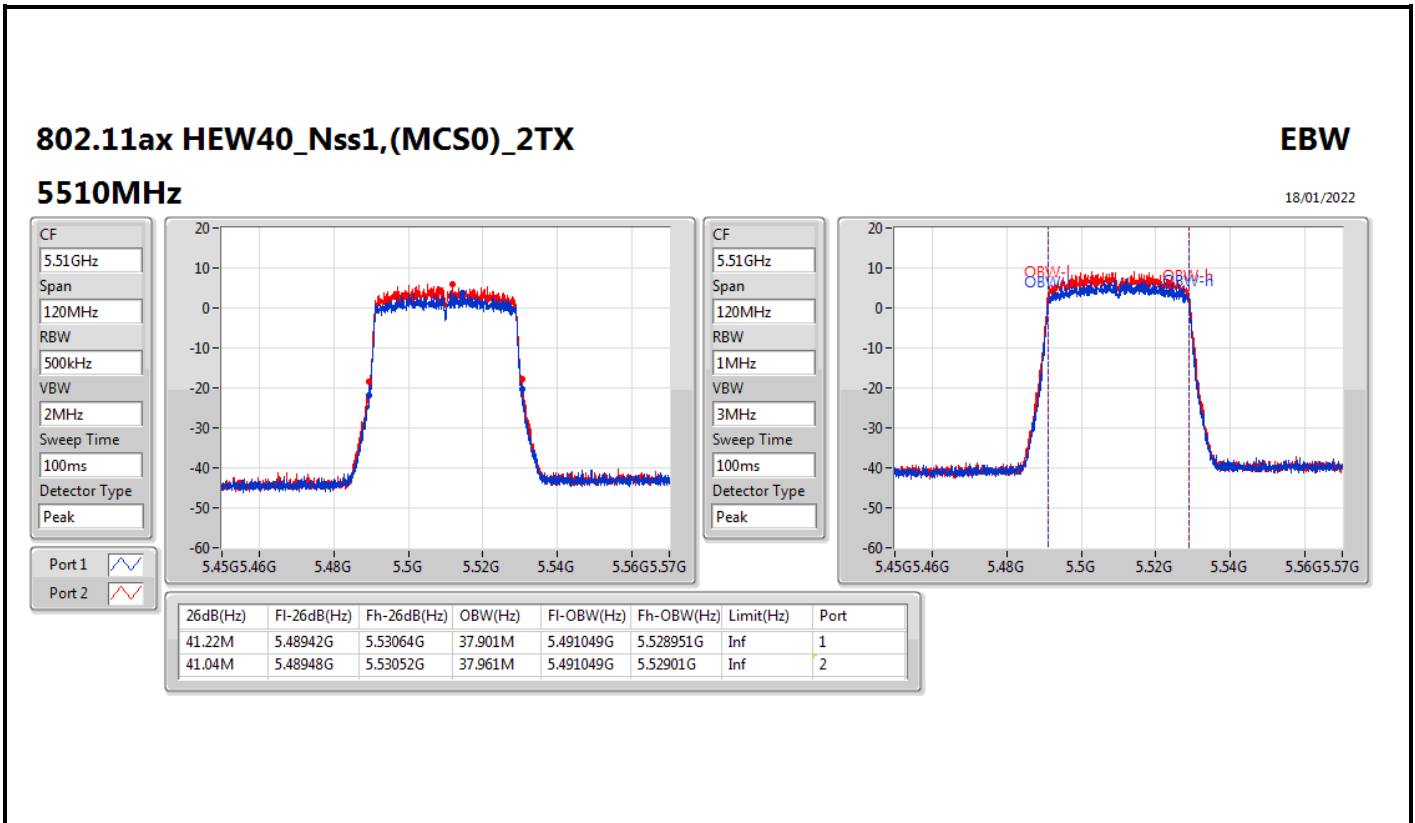
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5310MHz

18/01/2022





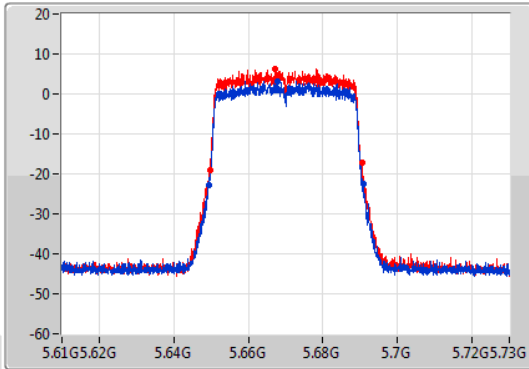
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

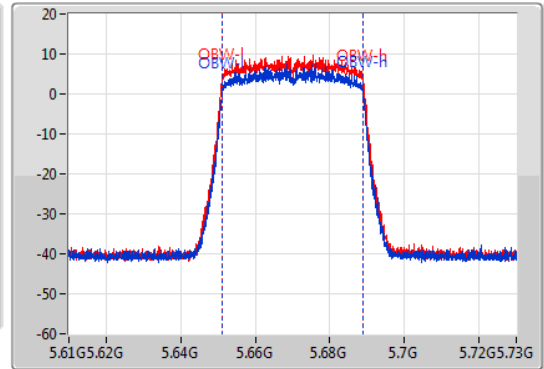
5670MHz

18/01/2022

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
41.46M	5.6493G	5.69076G	37.901M	5.651049G	5.688951G	Inf	1
40.92M	5.64966G	5.69058G	37.961M	5.65099G	5.688951G	Inf	2

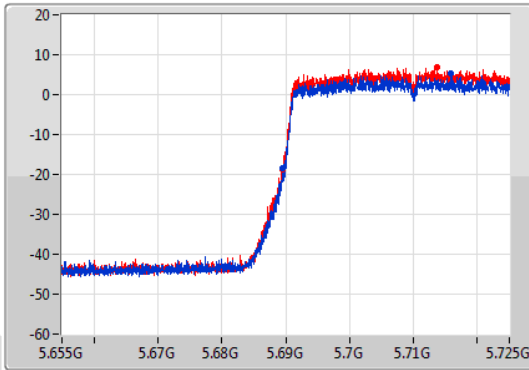
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

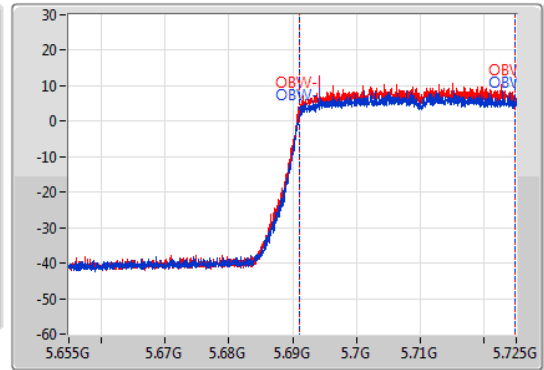
5710MHz Straddle 5.47-5.725GHz

18/01/2022

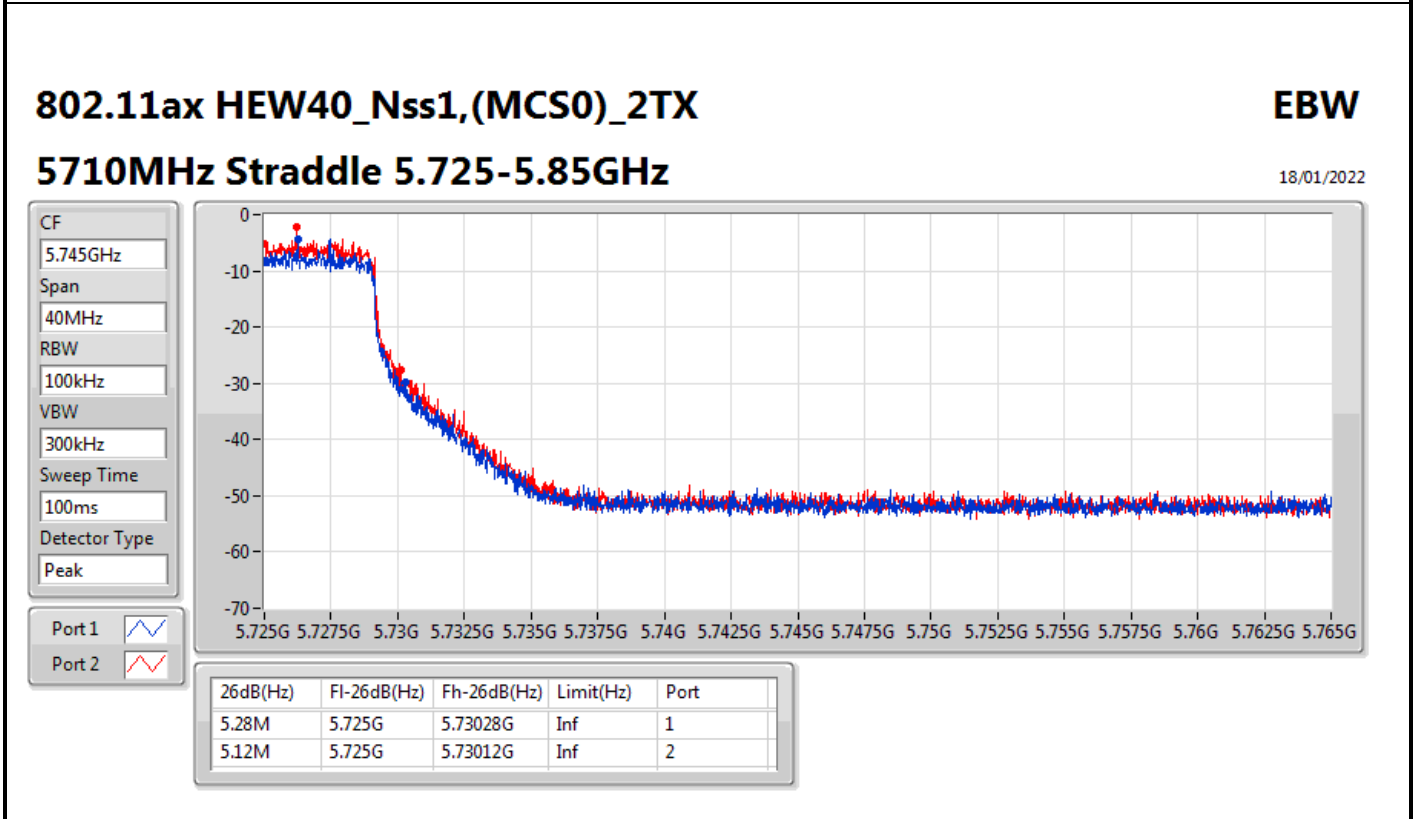
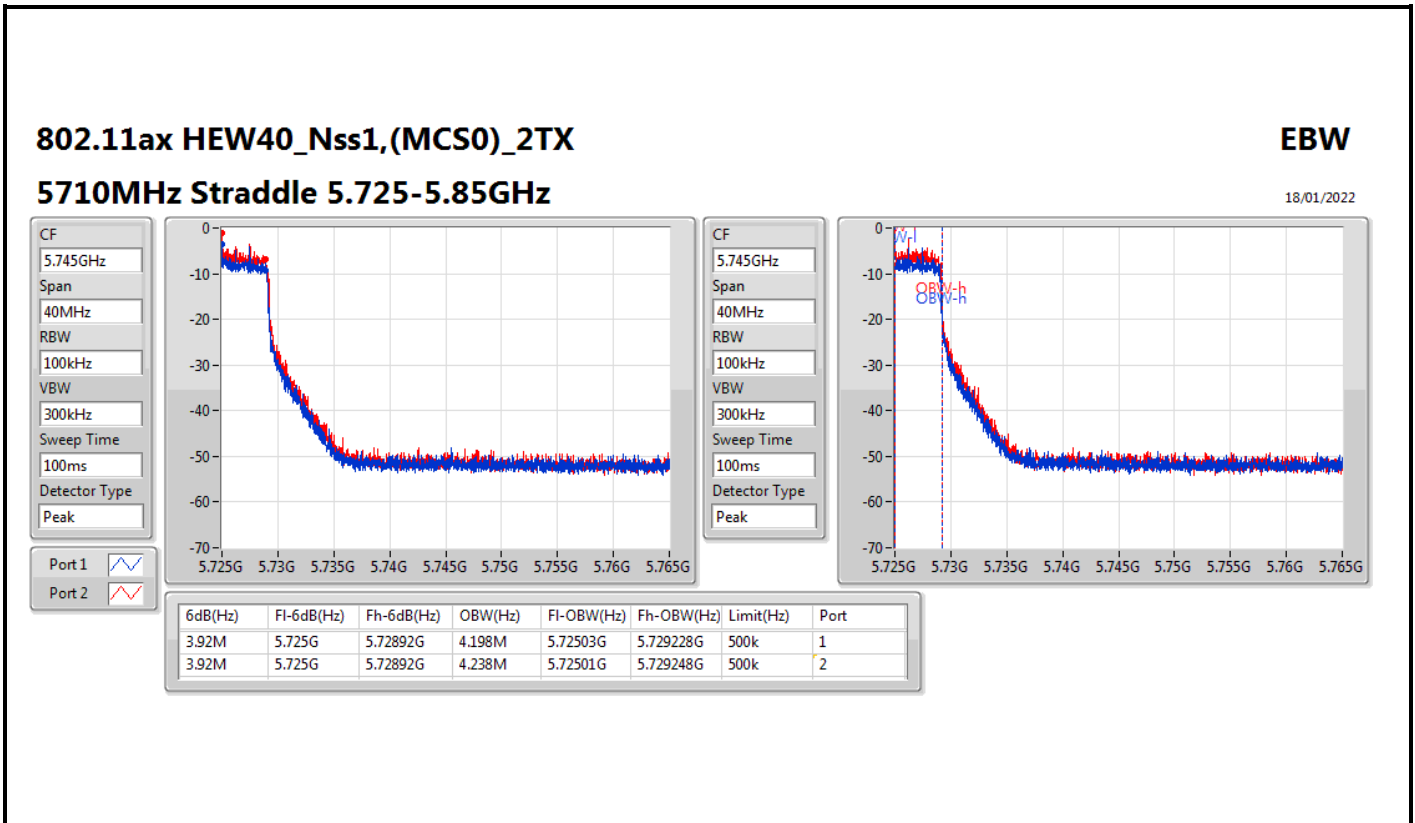
CF
5.69GHz
Span
70MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak

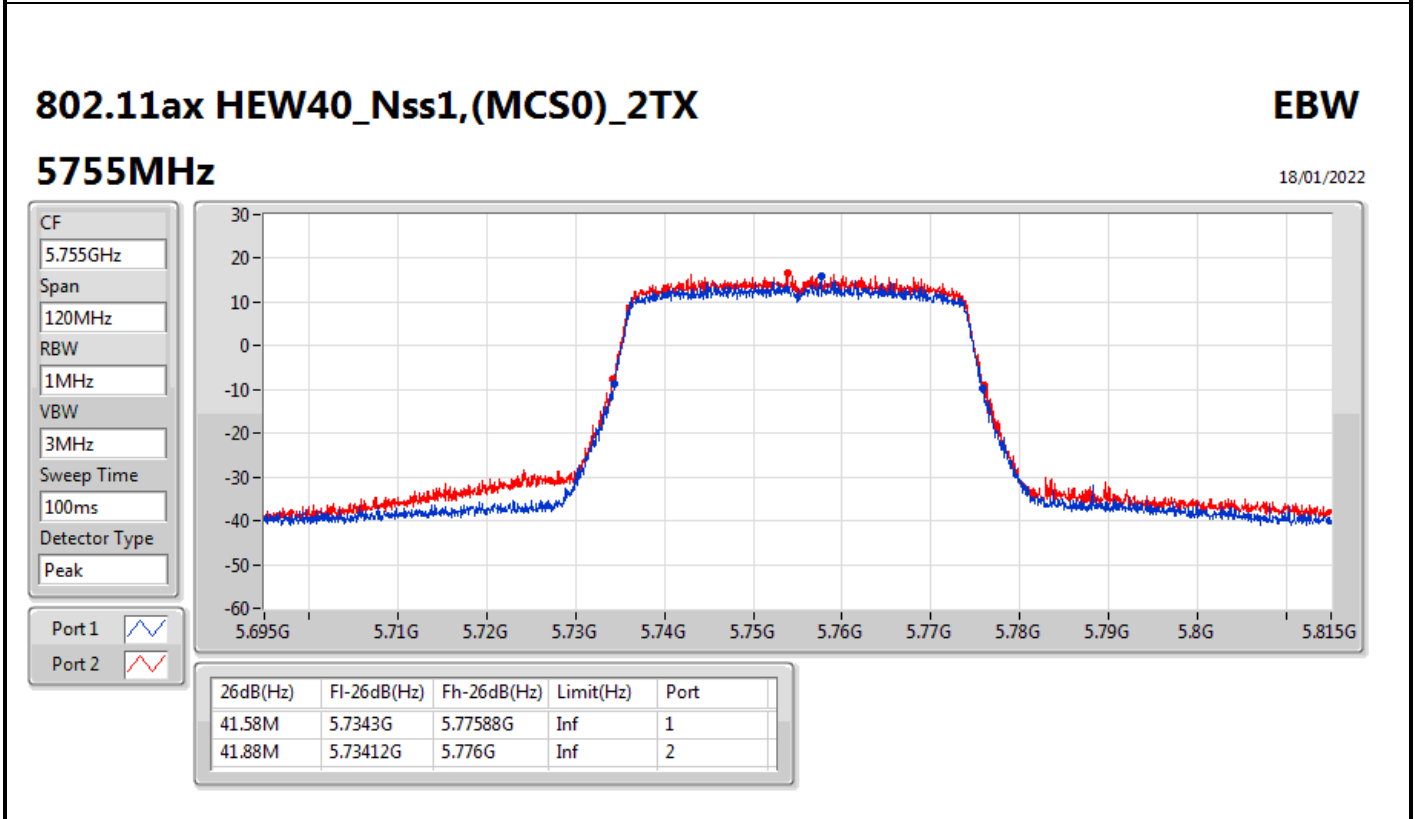
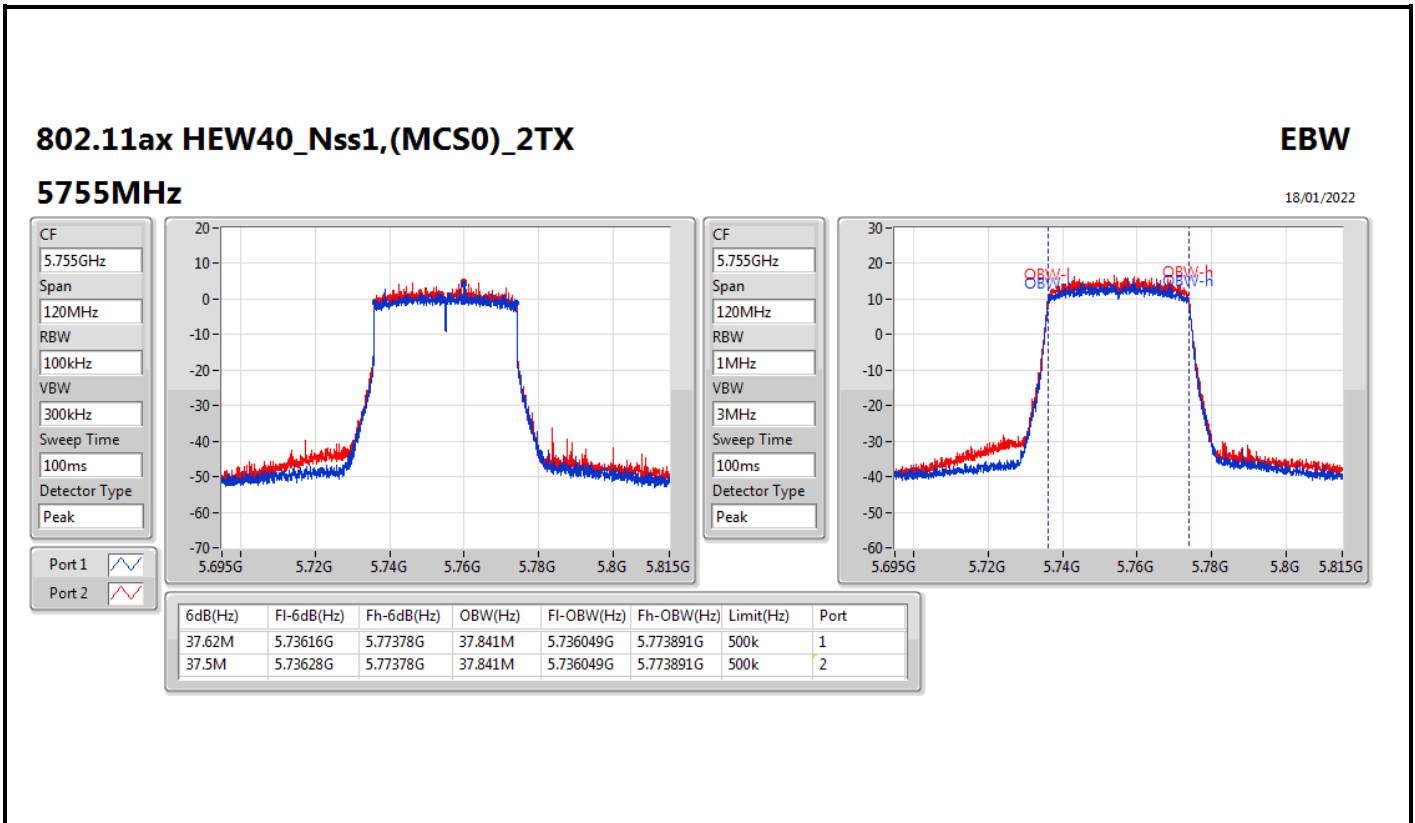


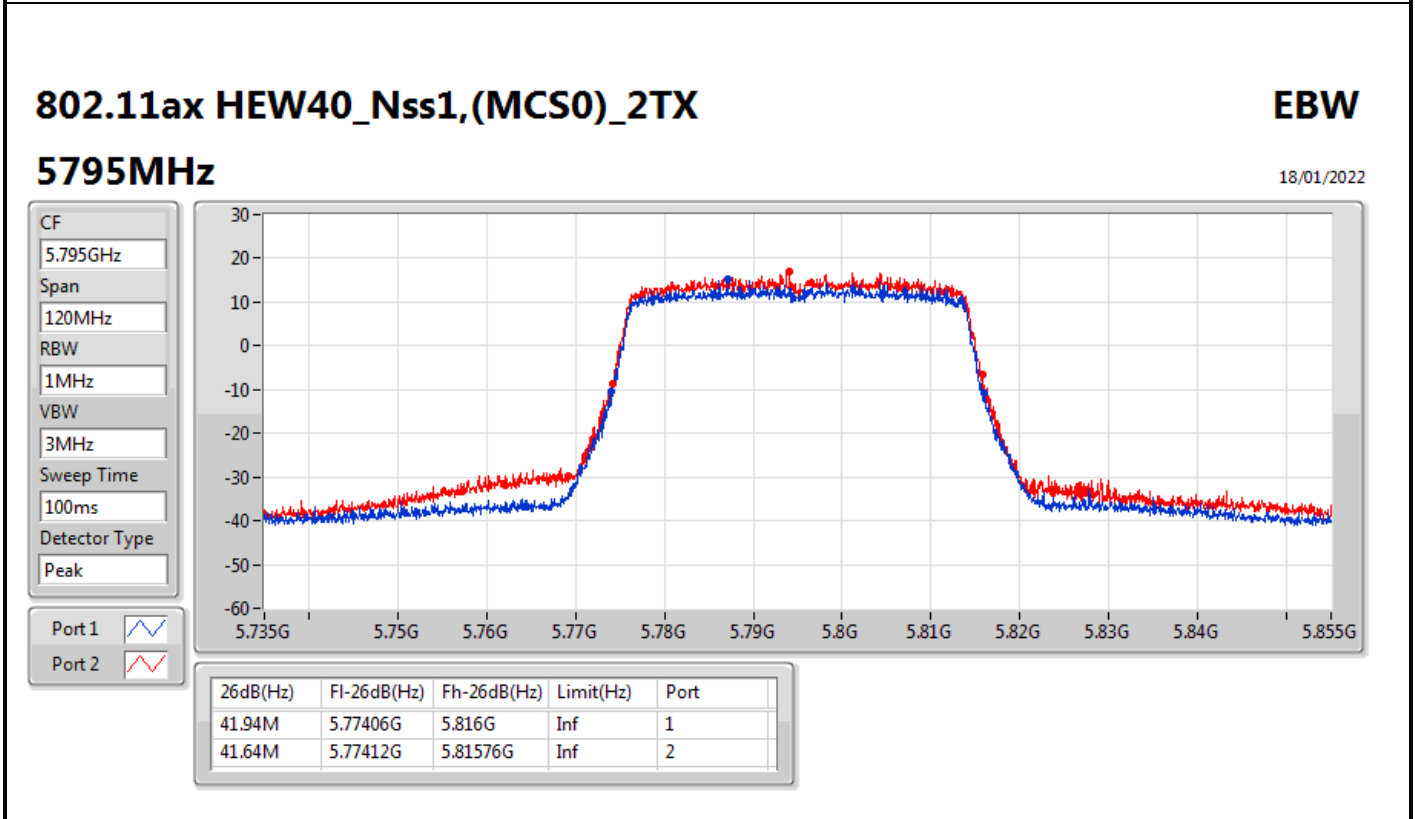
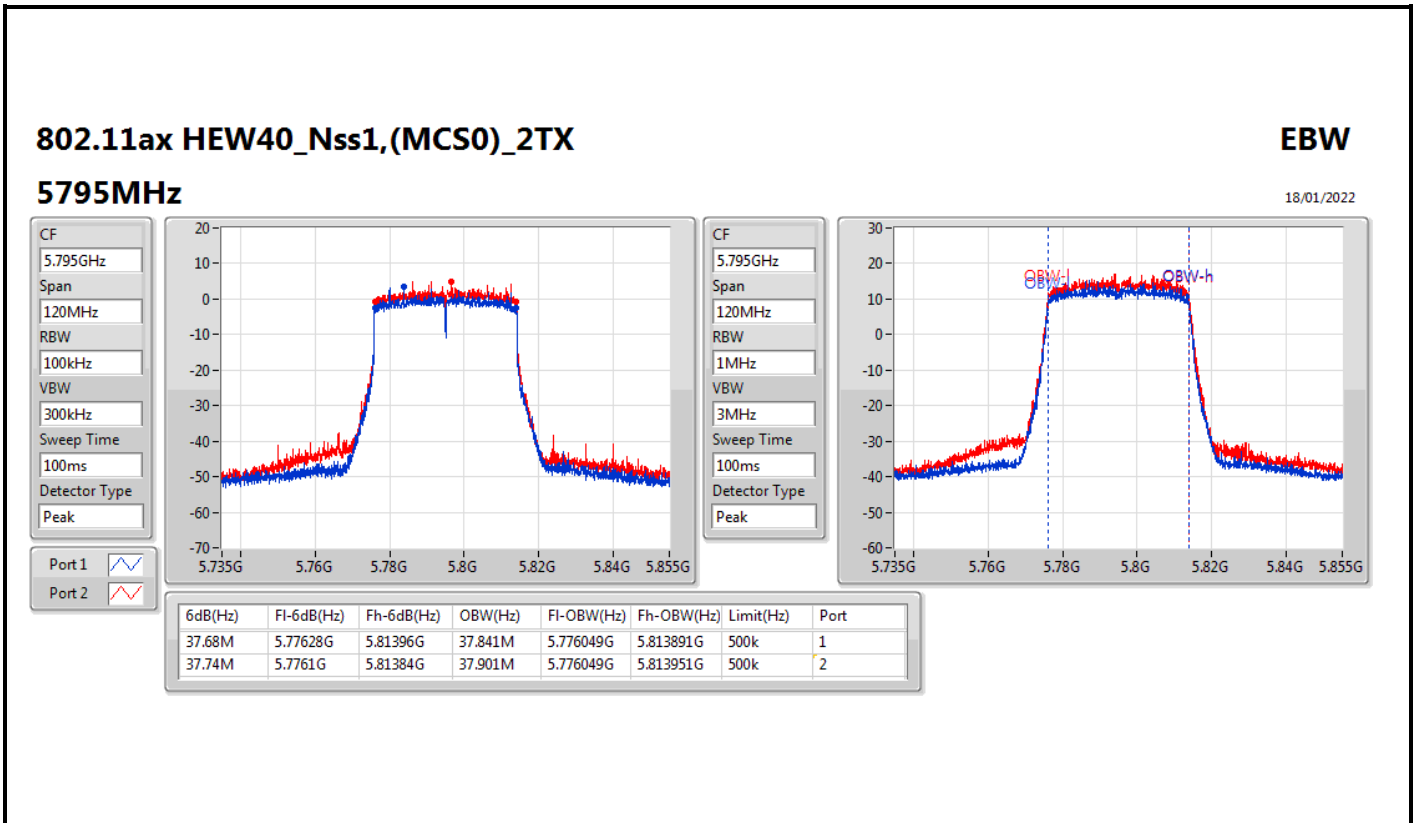
CF
5.69GHz
Span
70MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak

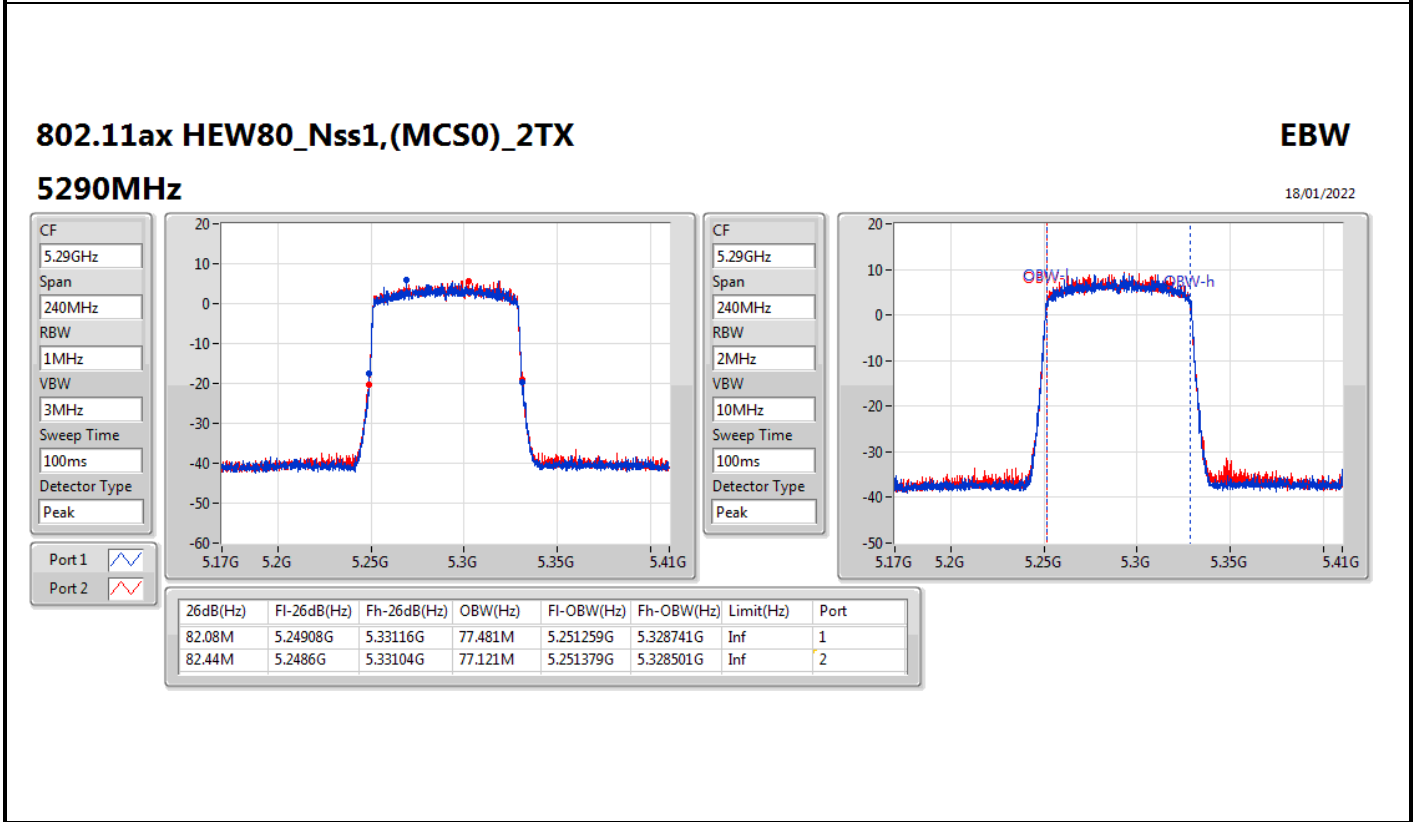
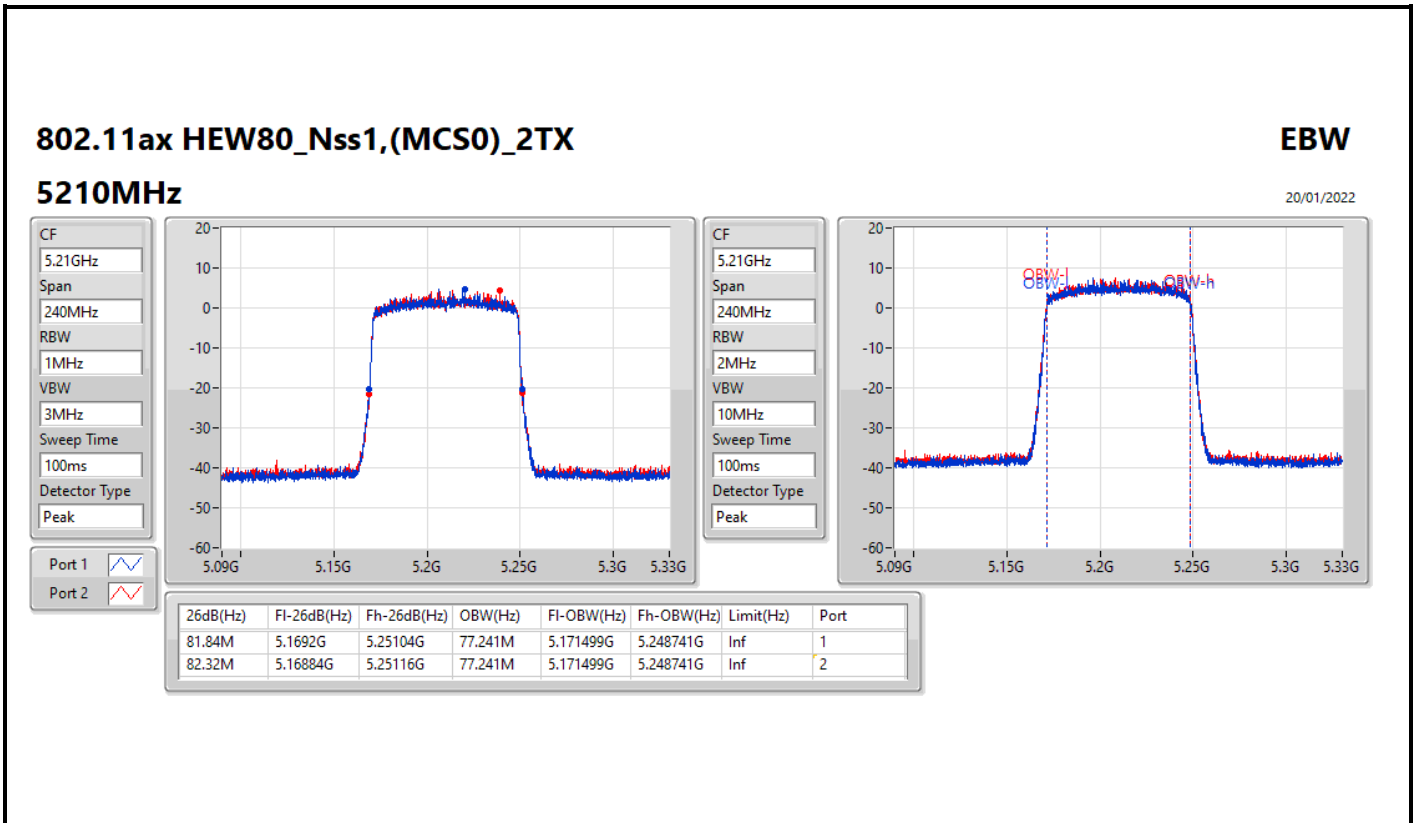


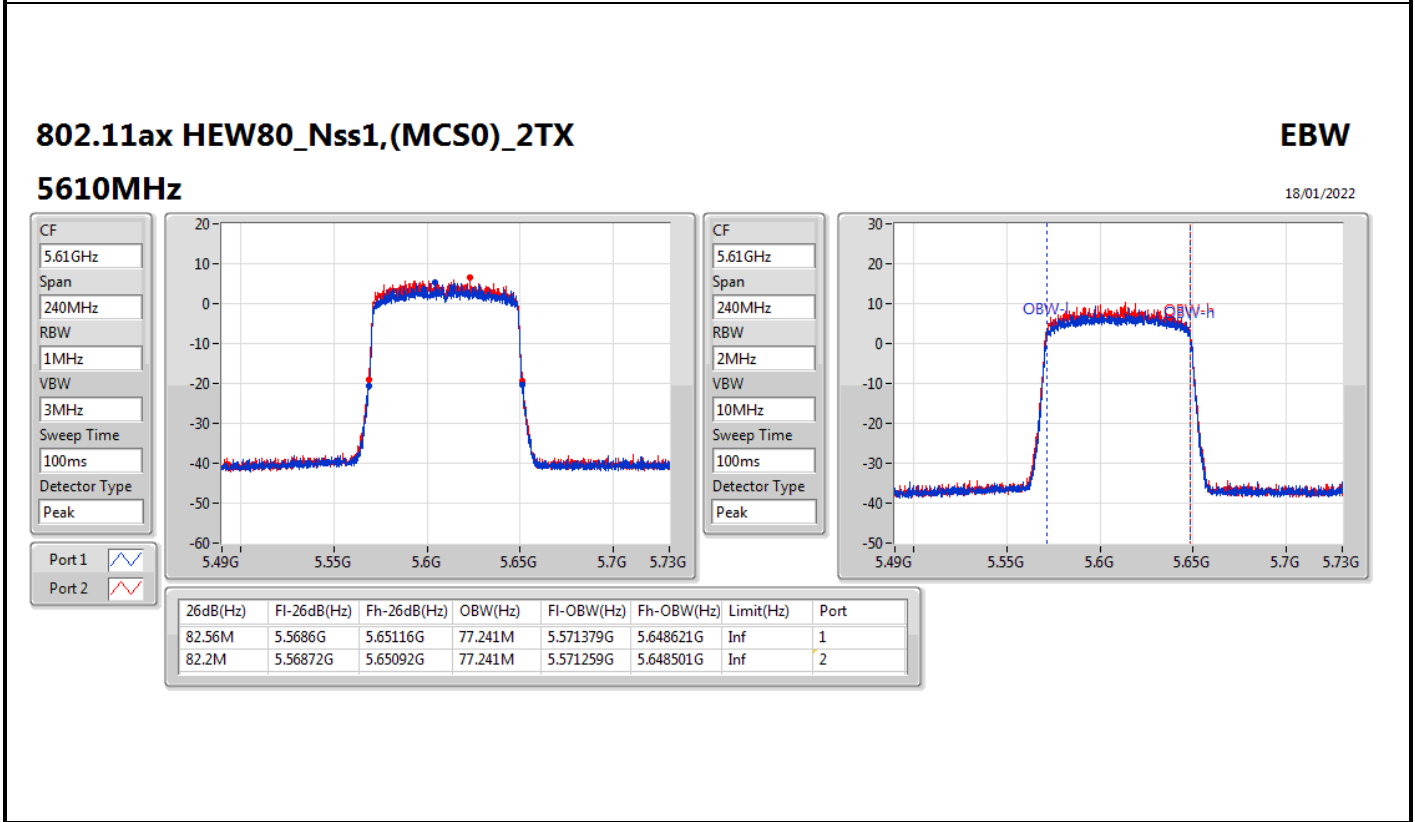
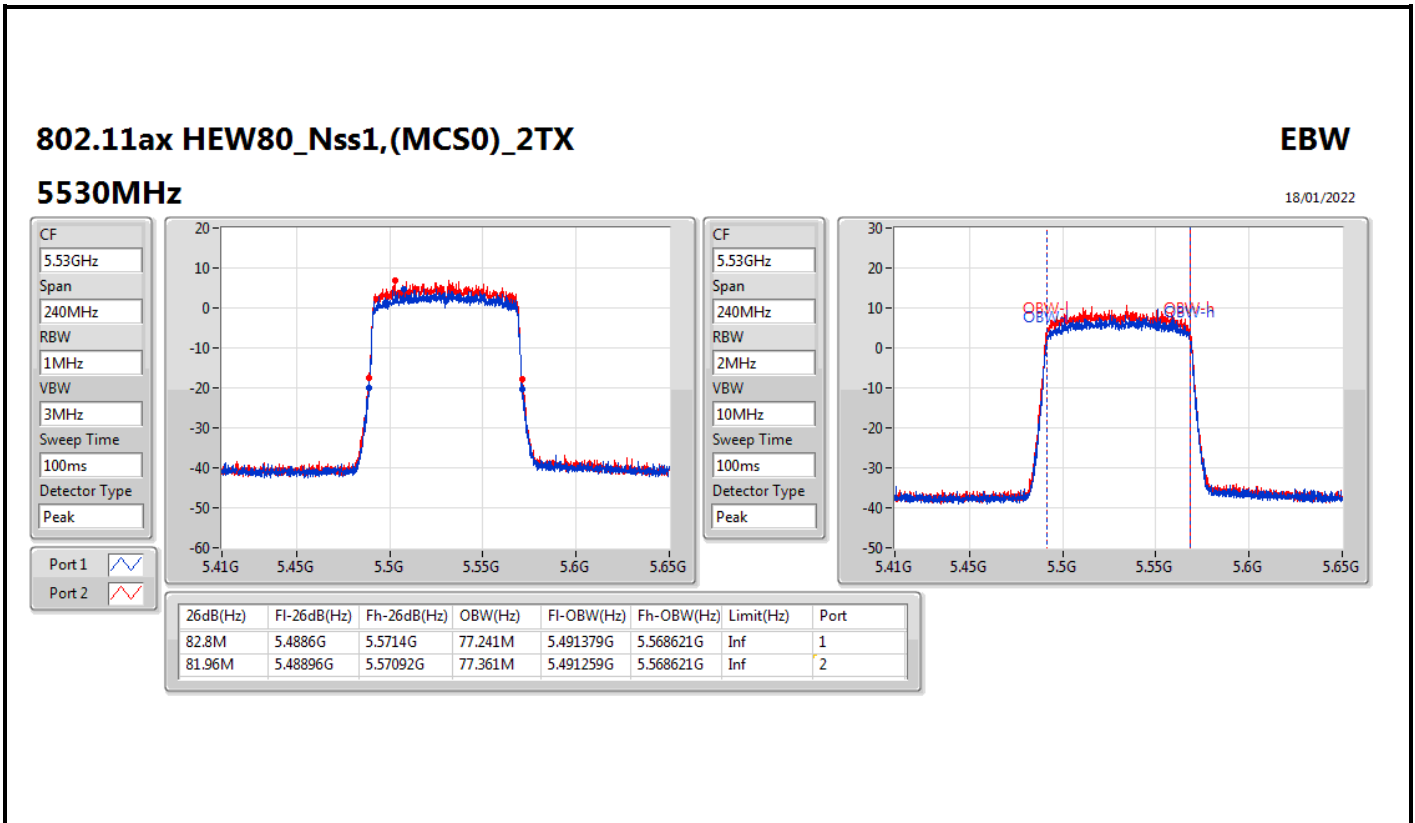
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.49M	5.68951G	5.725G	33.793M	5.691014G	5.724808G	Inf	1
35.42M	5.68958G	5.725G	33.758M	5.691014G	5.724773G	Inf	2

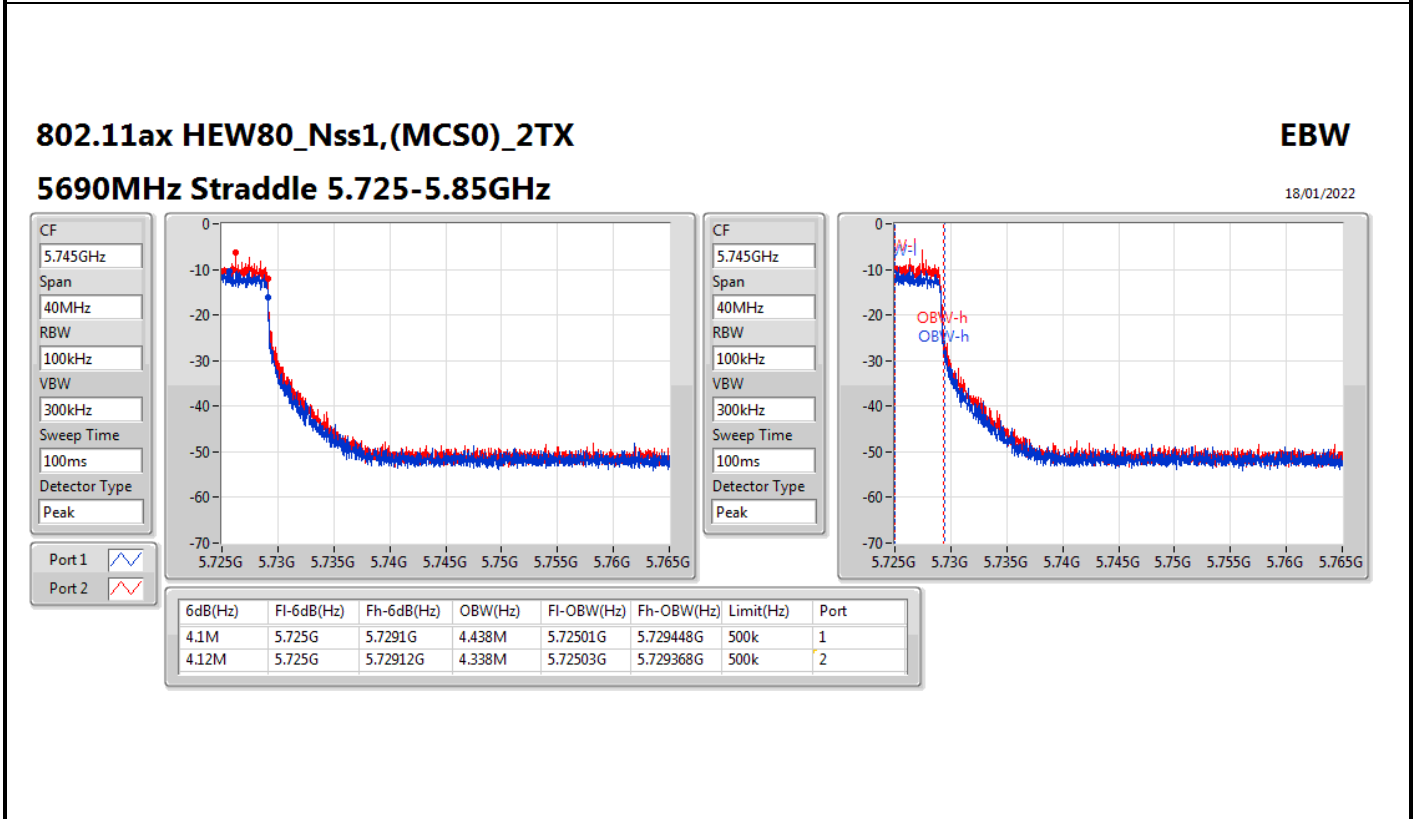
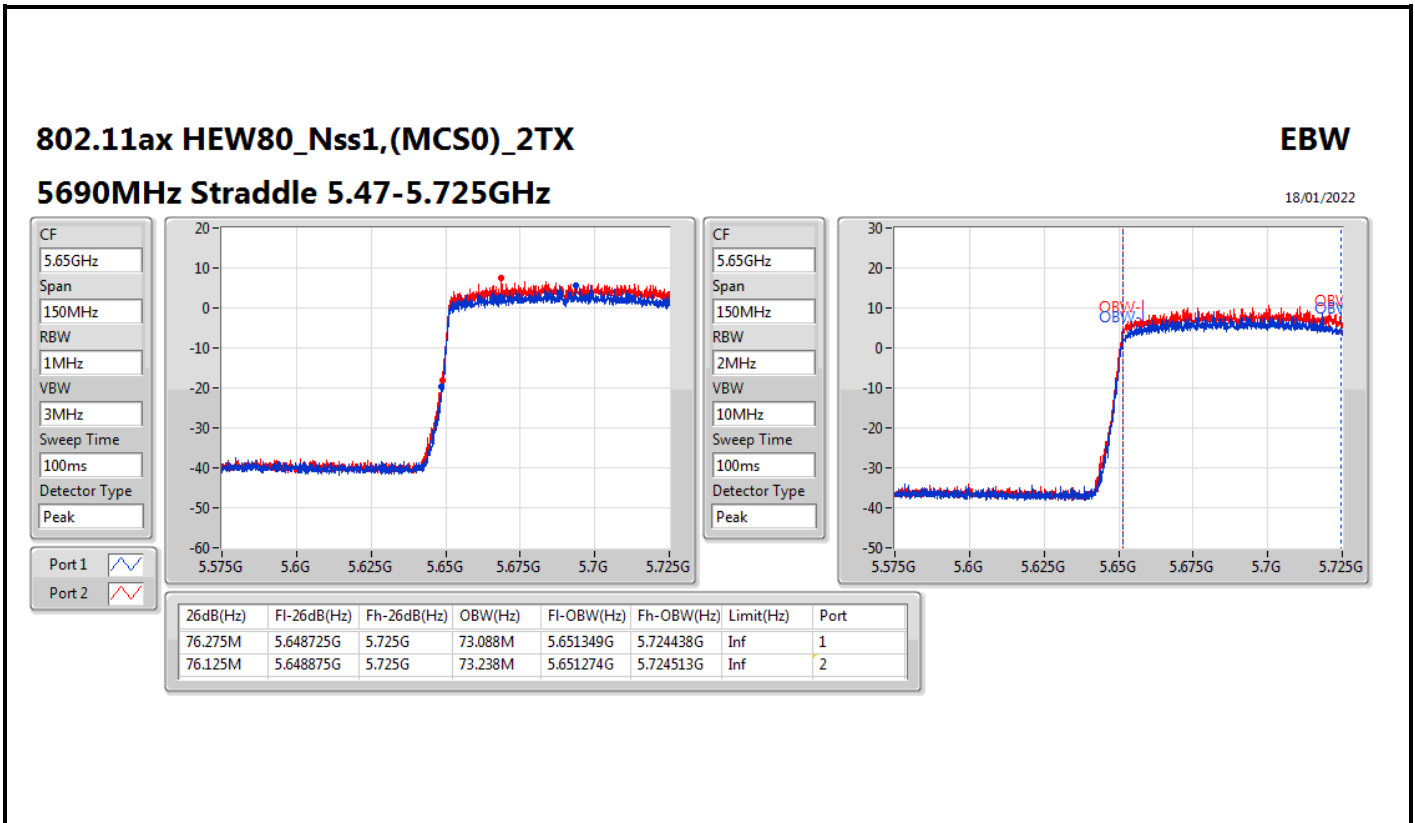










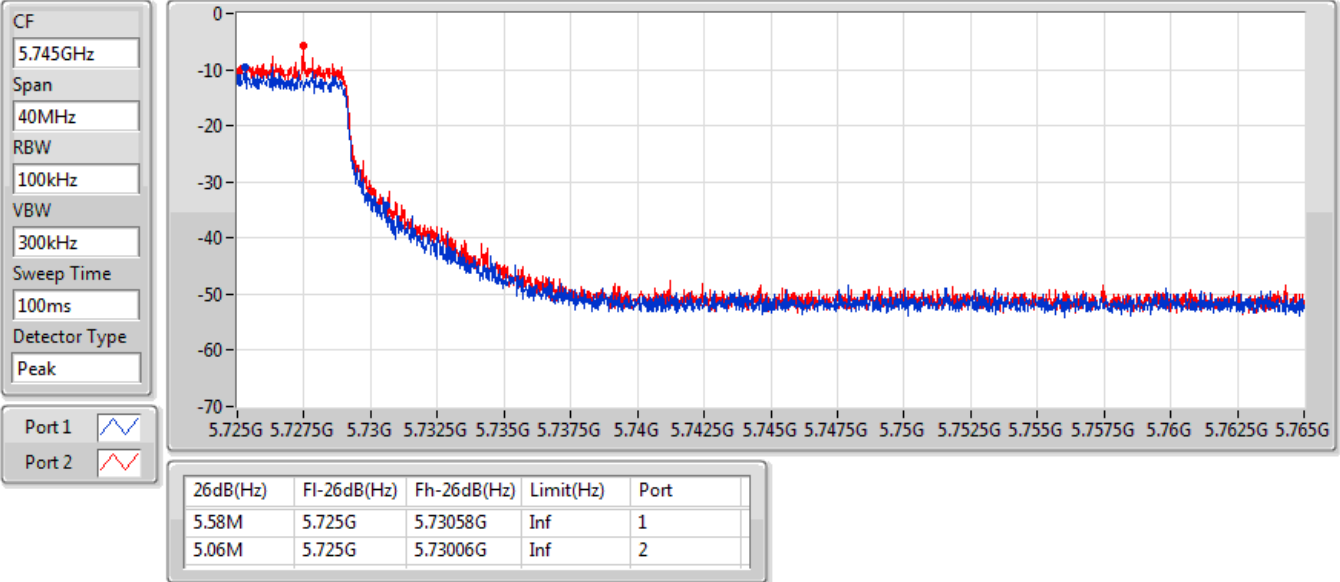


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

18/01/2022

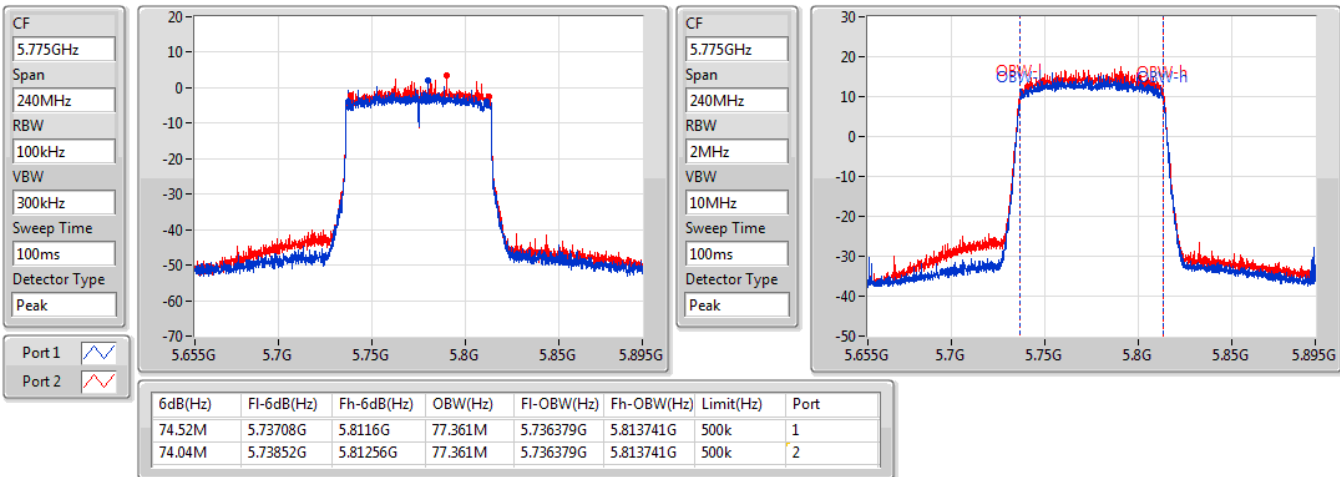


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

18/01/2022



802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

18/01/2022

CF
5.775GHz

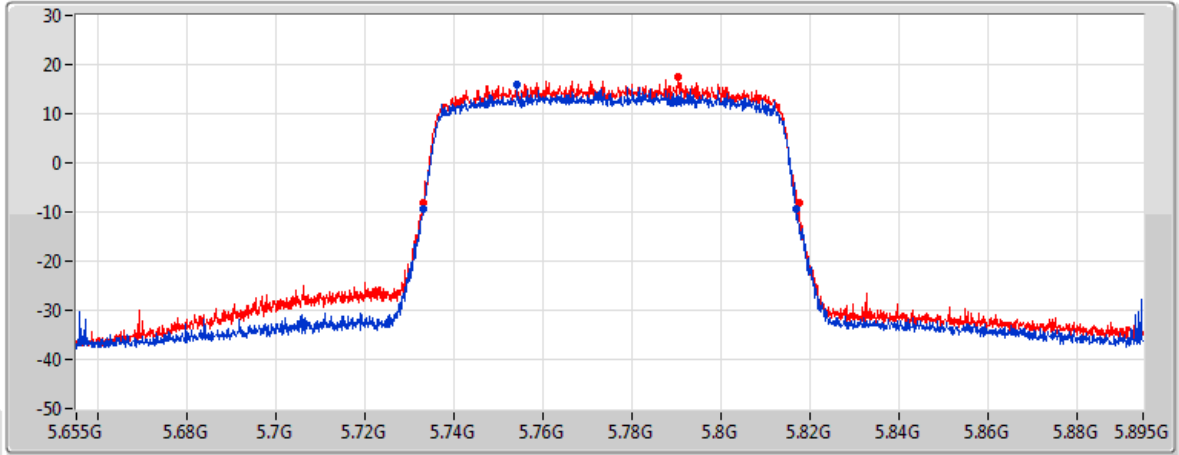
Span
240MHz

RBW
2MHz

VBW
10MHz

Sweep Time
100ms

Detector Type
Peak



Port 1 

Port 2 

26dB(Hz)	F1-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
84M	5.733G	5.817G	Inf	1
84.6M	5.73288G	5.81748G	Inf	2



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	15.74	0.03750	30.31/20.78	1.07399
802.11ax HEW20_Nss1,(MCS0)_2TX	15.81	0.03811	30.38/20.85	1.09144
802.11ax HEW40_Nss1,(MCS0)_2TX	15.09	0.03228	29.66/20.13	0.92470
802.11ax HEW80_Nss1,(MCS0)_2TX	15.09	0.03228	29.66/20.13	0.92470
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	12.73	0.01875	27.11	0.51404
802.11ax HEW20_Nss1,(MCS0)_2TX	13.17	0.02075	27.55	0.56885
802.11ax HEW40_Nss1,(MCS0)_2TX	14.96	0.03133	29.34	0.85901
802.11ax HEW80_Nss1,(MCS0)_2TX	14.94	0.03119	29.32	0.85507
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	13.18	0.02080	27.18	0.52240
802.11ax HEW20_Nss1,(MCS0)_2TX	13.69	0.02339	27.69	0.58749
802.11ax HEW40_Nss1,(MCS0)_2TX	15.27	0.03365	29.27	0.84528
802.11ax HEW80_Nss1,(MCS0)_2TX	15.42	0.03483	29.42	0.87498
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.42	0.17458	35.47	3.52371
802.11ax HEW20_Nss1,(MCS0)_2TX	22.43	0.17498	35.48	3.53183
802.11ax HEW40_Nss1,(MCS0)_2TX	22.19	0.16558	35.24	3.34195
802.11ax HEW80_Nss1,(MCS0)_2TX	22.24	0.16749	35.29	3.38065



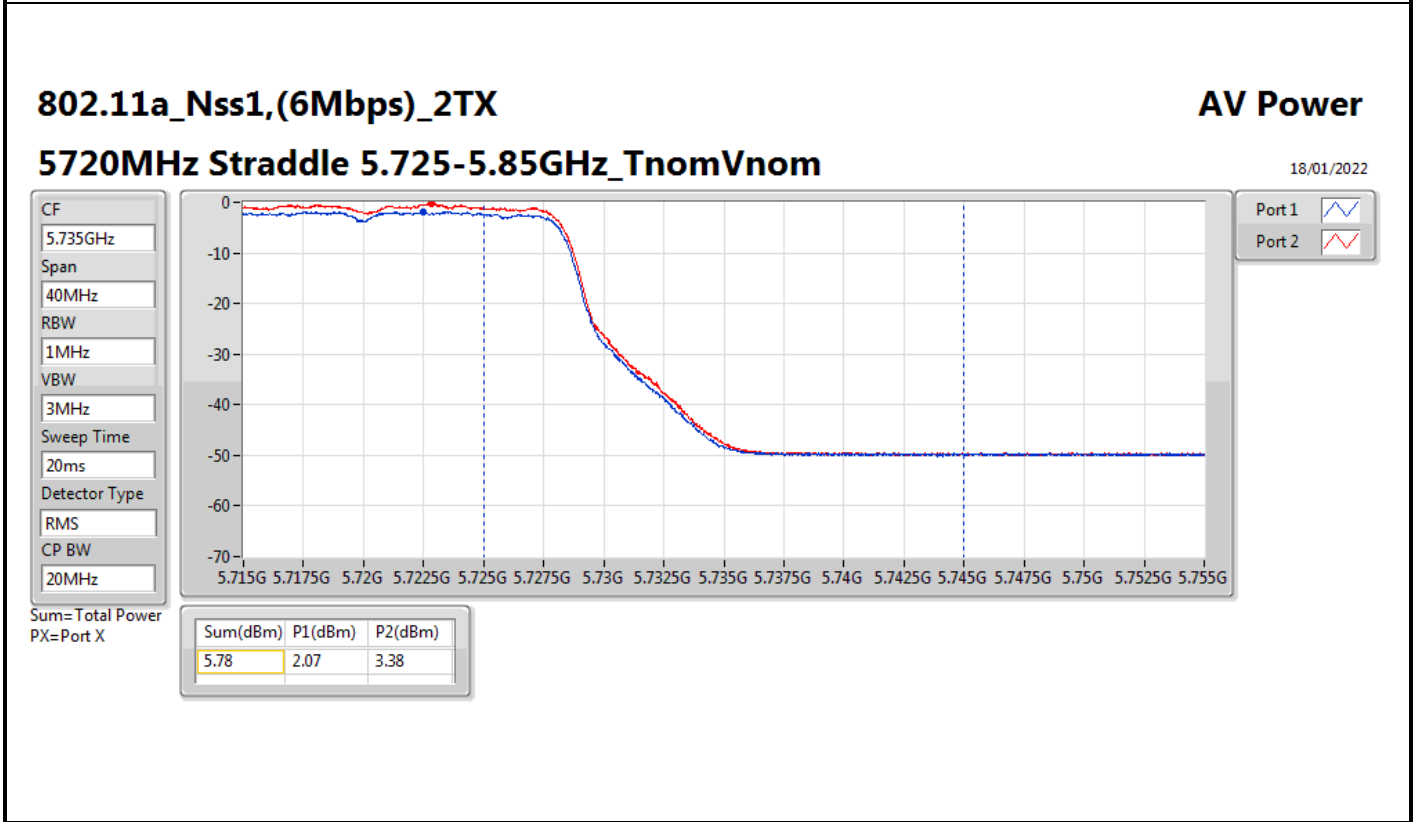
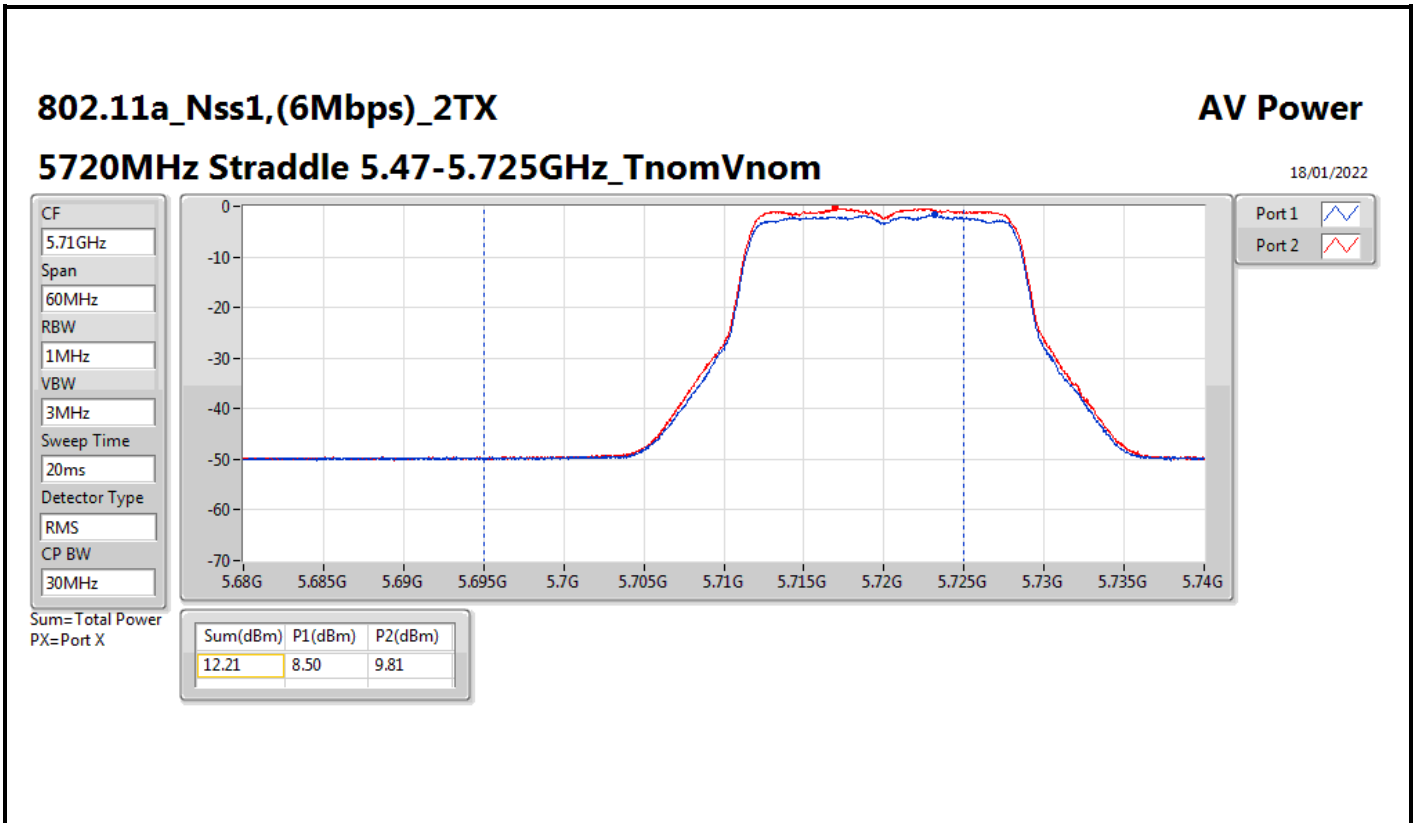
Average Power_Non-Beamforming<Master mode>

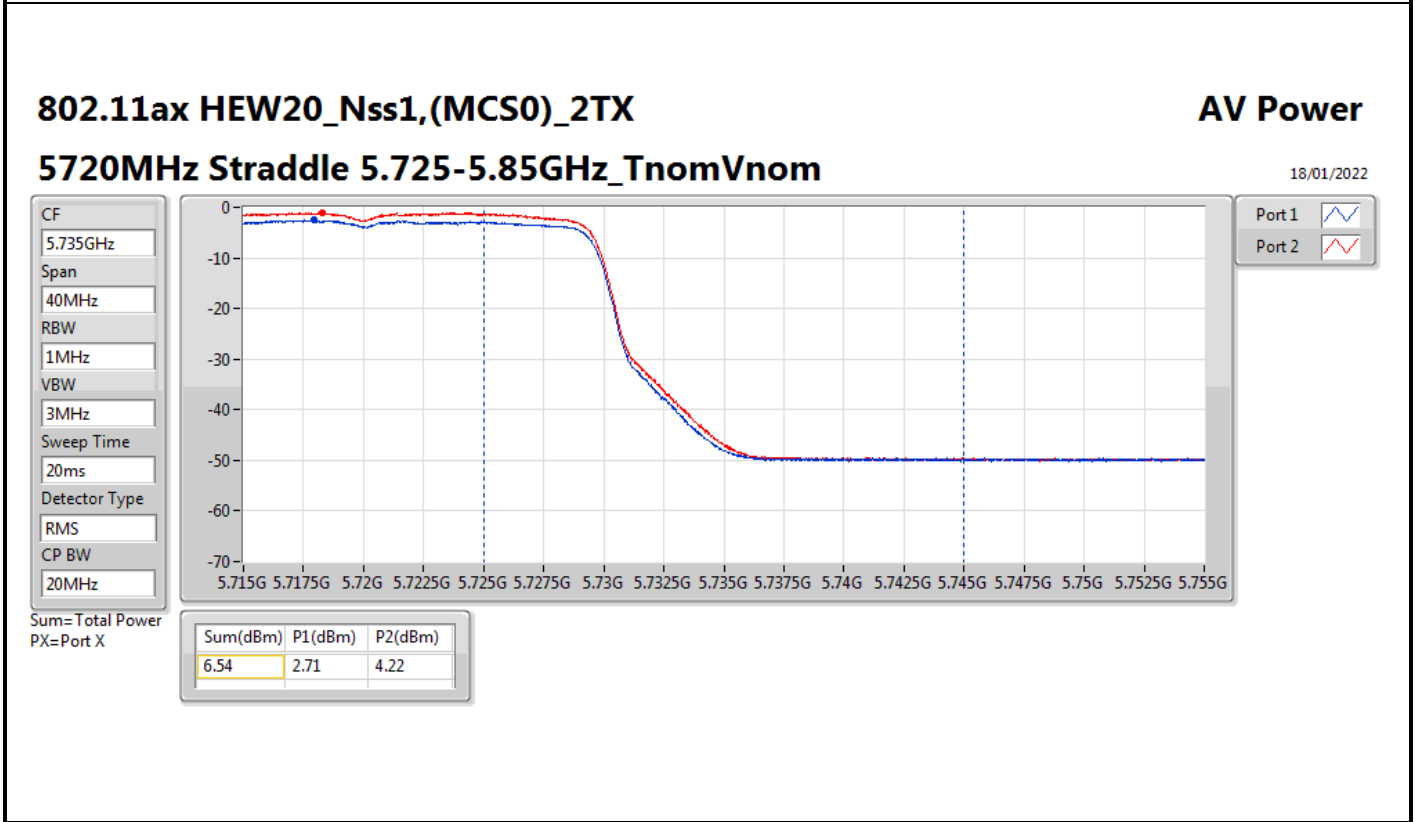
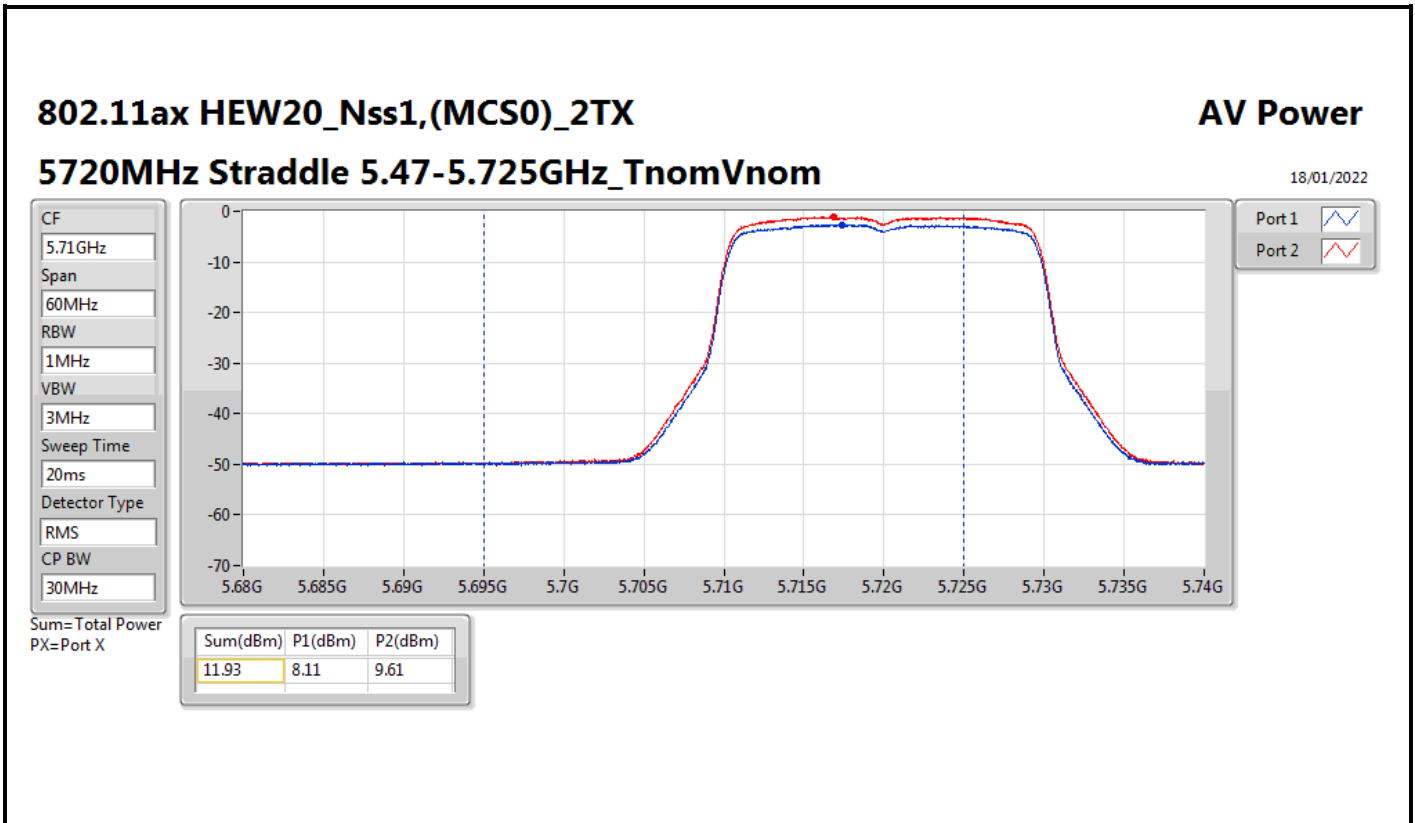
Appendix B.1

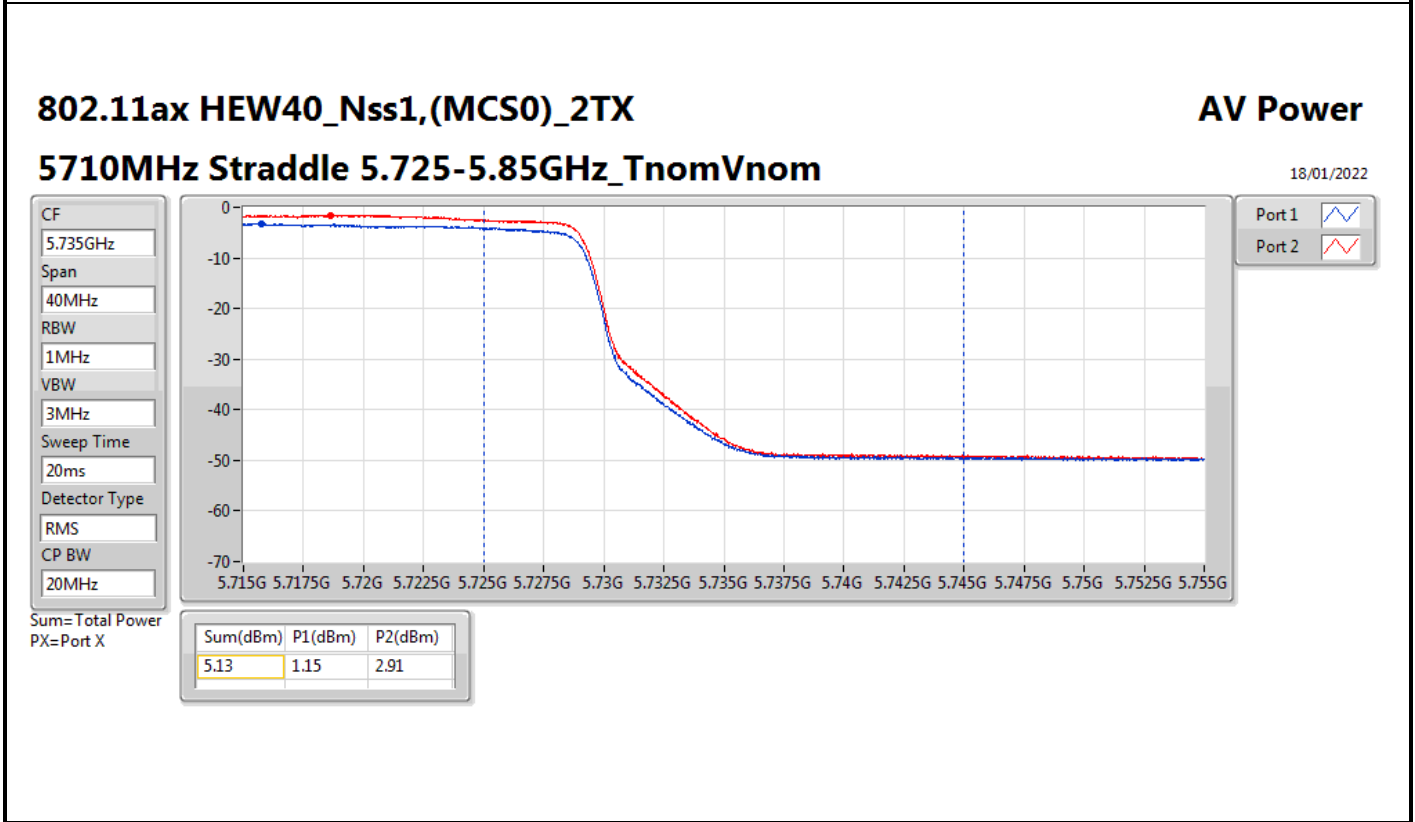
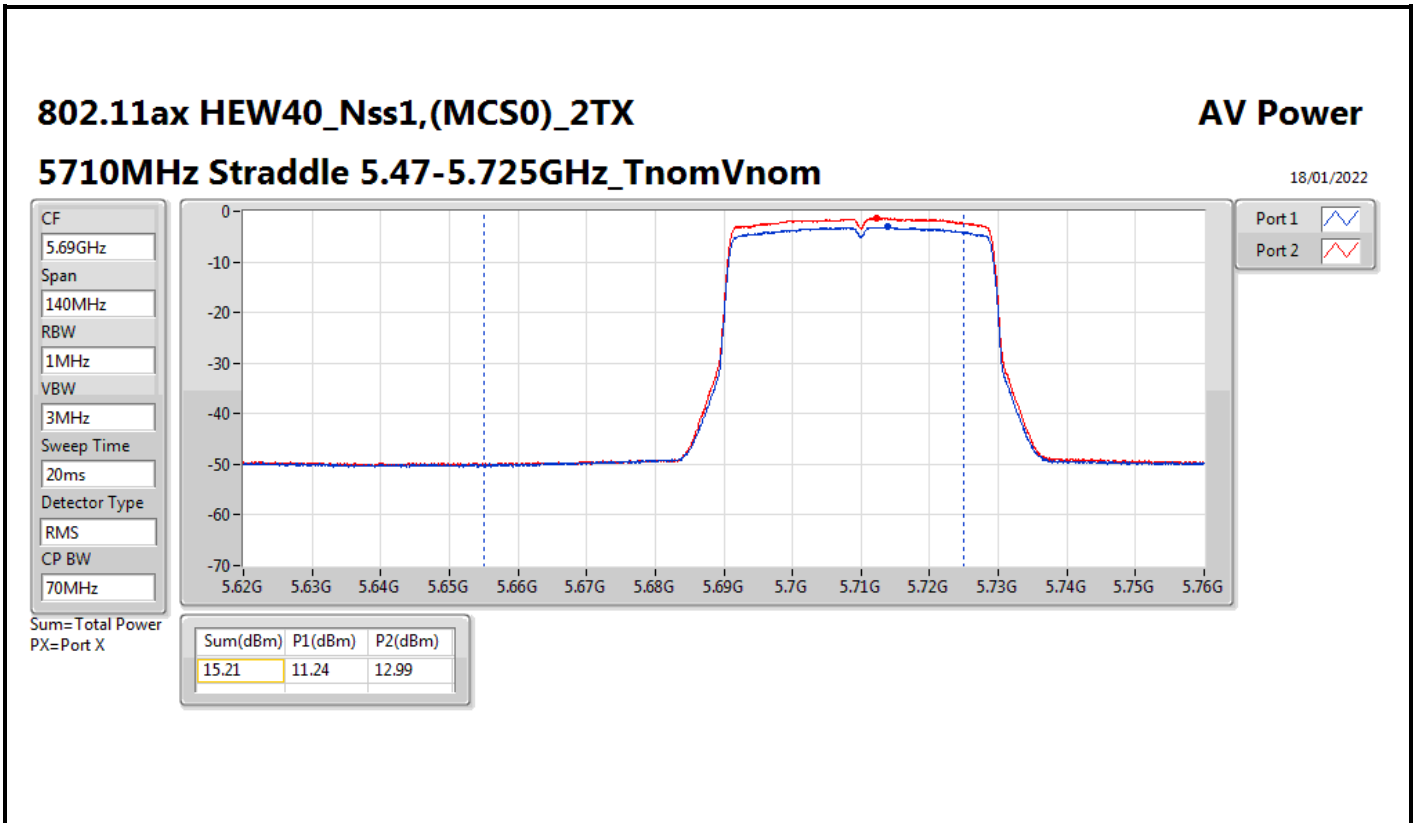
Result

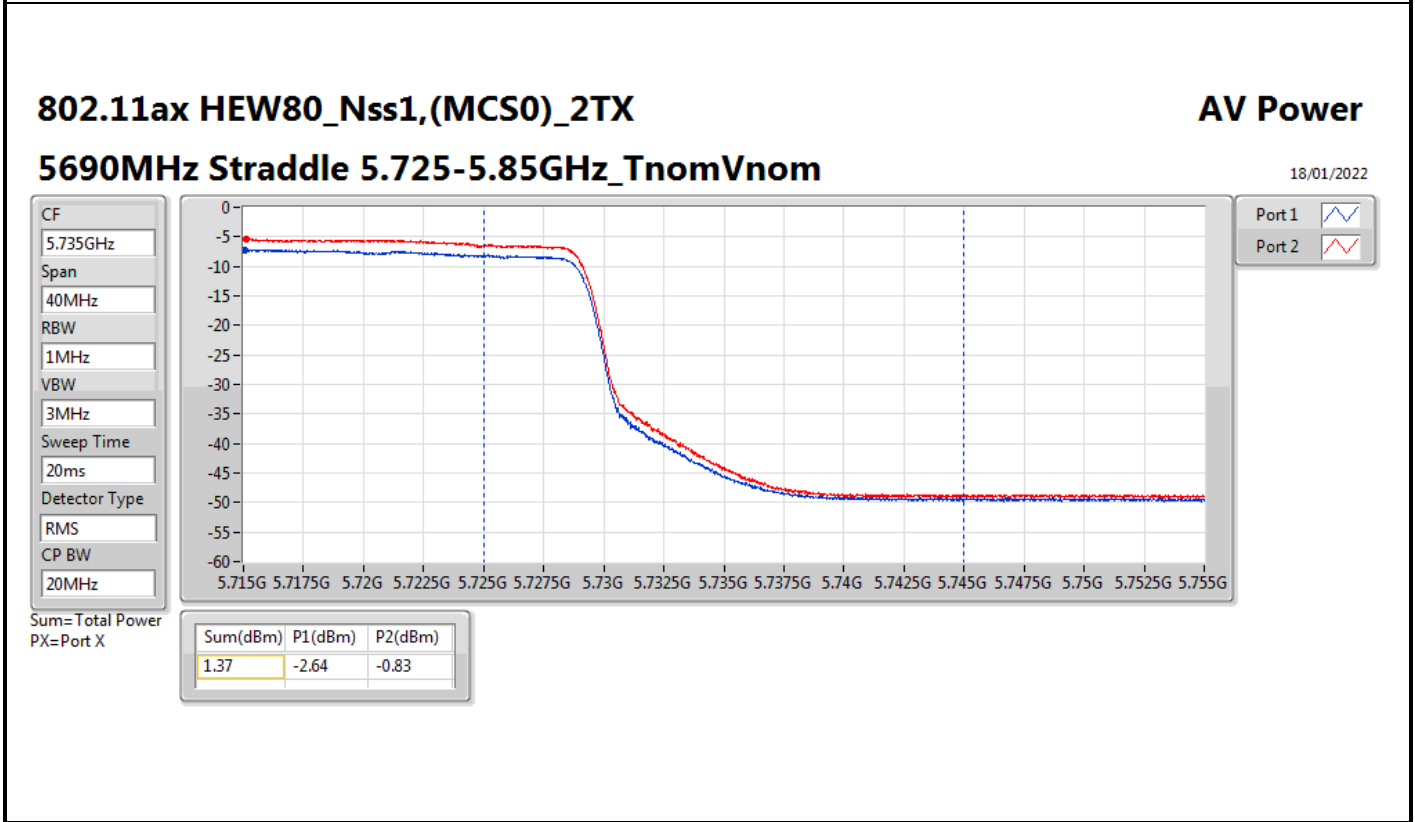
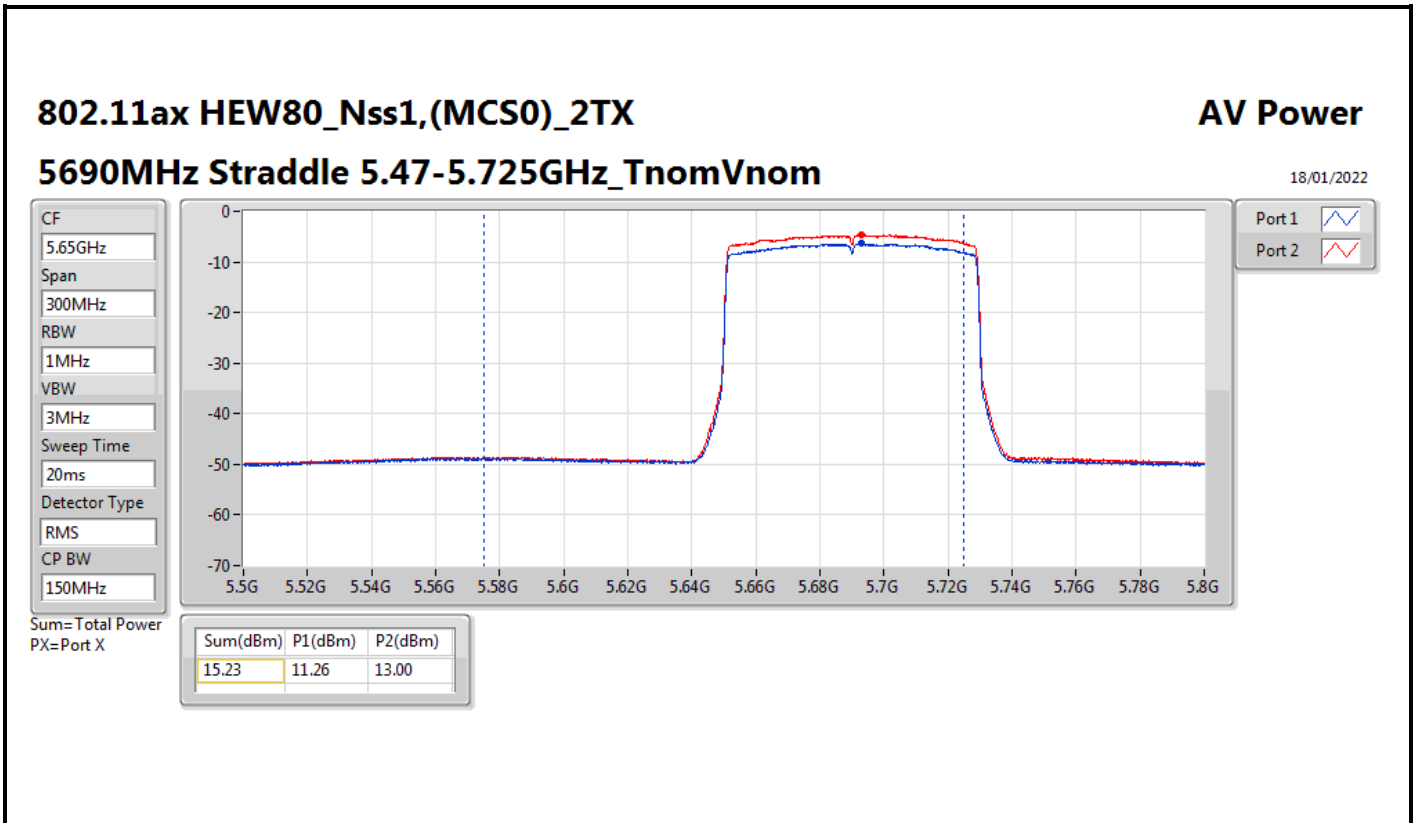
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.57/5.04	12.19	13.21	15.74	21.43	30.31/20.78	36.00/21.00
5200MHz	Pass	14.57/5.04	11.95	11.99	14.98	21.43	29.55/20.02	36.00/21.00
5240MHz	Pass	14.57/5.04	12.30	13.12	15.74	21.43	30.31/20.78	36.00/21.00
5260MHz	Pass	14.38	8.98	10.11	12.59	15.60	26.97	30.00
5300MHz	Pass	14.38	9.23	10.00	12.64	15.60	27.02	30.00
5320MHz	Pass	14.38	9.46	9.97	12.73	15.60	27.11	30.00
5500MHz	Pass	14.00	9.23	10.94	13.18	15.98	27.18	30.00
5580MHz	Pass	14.00	9.58	10.54	13.10	15.98	27.10	30.00
5700MHz	Pass	14.00	9.07	10.88	13.08	15.98	27.08	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	14.00	8.50	9.81	12.21	14.78	26.21	28.78
5720MHz Straddle 5.725-5.85GHz	Pass	13.05	2.07	3.38	5.78	22.95	18.83	36.00
5745MHz	Pass	13.05	18.51	19.85	22.24	22.95	35.29	36.00
5785MHz	Pass	13.05	18.21	19.97	22.19	22.95	35.24	36.00
5825MHz	Pass	13.05	18.15	20.39	22.42	22.95	35.47	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.57/5.04	12.30	13.24	15.81	21.43	30.38/20.85	36.00/21.00
5200MHz	Pass	14.57/5.04	11.94	12.99	15.51	21.43	30.08/20.55	36.00/21.00
5240MHz	Pass	14.57/5.04	12.22	13.28	15.79	21.43	30.36/20.83	36.00/21.00
5260MHz	Pass	14.38	9.41	10.70	13.11	15.60	27.49	30.00
5300MHz	Pass	14.38	9.70	9.88	12.80	15.60	27.18	30.00
5320MHz	Pass	14.38	9.68	10.59	13.17	15.60	27.55	30.00
5500MHz	Pass	14.00	9.76	11.44	13.69	15.98	27.69	30.00
5580MHz	Pass	14.00	9.73	10.53	13.16	15.98	27.16	30.00
5700MHz	Pass	14.00	8.98	10.83	13.01	15.98	27.01	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	14.00	8.11	9.61	11.93	14.97	25.93	28.97
5720MHz Straddle 5.725-5.85GHz	Pass	13.05	2.71	4.22	6.54	22.95	19.59	36.00
5745MHz	Pass	13.05	18.39	19.98	22.27	22.95	35.32	36.00
5785MHz	Pass	13.05	18.34	20.09	22.31	22.95	35.36	36.00
5825MHz	Pass	13.05	18.34	20.29	22.43	22.95	35.48	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.57/5.04	12.05	12.01	15.04	21.43	29.61/20.08	36.00/21.00
5230MHz	Pass	14.57/5.04	12.05	12.10	15.09	21.43	29.66/20.13	36.00/21.00
5270MHz	Pass	14.38	11.96	11.93	14.96	15.60	29.34	30.00
5310MHz	Pass	14.38	11.81	12.00	14.92	15.60	29.30	30.00
5510MHz	Pass	14.00	10.89	12.64	14.86	15.98	28.86	30.00
5550MHz	Pass	14.00	10.85	13.32	15.27	15.98	29.27	30.00
5670MHz	Pass	14.00	10.45	13.17	15.03	15.98	29.03	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	14.00	11.24	12.99	15.21	15.98	29.21	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	13.05	1.15	2.91	5.13	22.95	18.18	36.00
5755MHz	Pass	13.05	18.39	19.84	22.19	22.95	35.24	36.00
5795MHz	Pass	13.05	18.12	19.90	22.11	22.95	35.16	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.57/5.04	12.04	12.11	15.09	21.43	29.66/20.13	36.00/21.00
5290MHz	Pass	14.38	11.78	12.07	14.94	15.60	29.32	30.00
5530MHz	Pass	14.00	11.52	13.15	15.42	15.98	29.42	30.00
5610MHz	Pass	14.00	11.51	12.54	15.07	15.98	29.07	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	14.00	11.26	13.00	15.23	15.98	29.23	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	13.05	-2.64	-0.83	1.37	22.95	14.42	36.00
5775MHz	Pass	13.05	18.54	19.83	22.24	22.95	35.29	36.00

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











Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	14.86	0.03062	20.83	0.12106
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	14.70	0.02951	20.67	0.11668
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	14.83	0.03041	20.80	0.12023
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	12.46	0.01762	29.36	0.86298
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	12.45	0.01758	29.35	0.86099
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	11.76	0.01500	28.66	0.73451
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	12.87	0.01936	29.41	0.87297
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	12.86	0.01932	29.40	0.87096
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	12.95	0.01972	29.49	0.88920
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.58	0.09078	35.13	3.25837
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.83	0.09616	35.38	3.45144
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	19.14	0.08204	34.69	2.94442



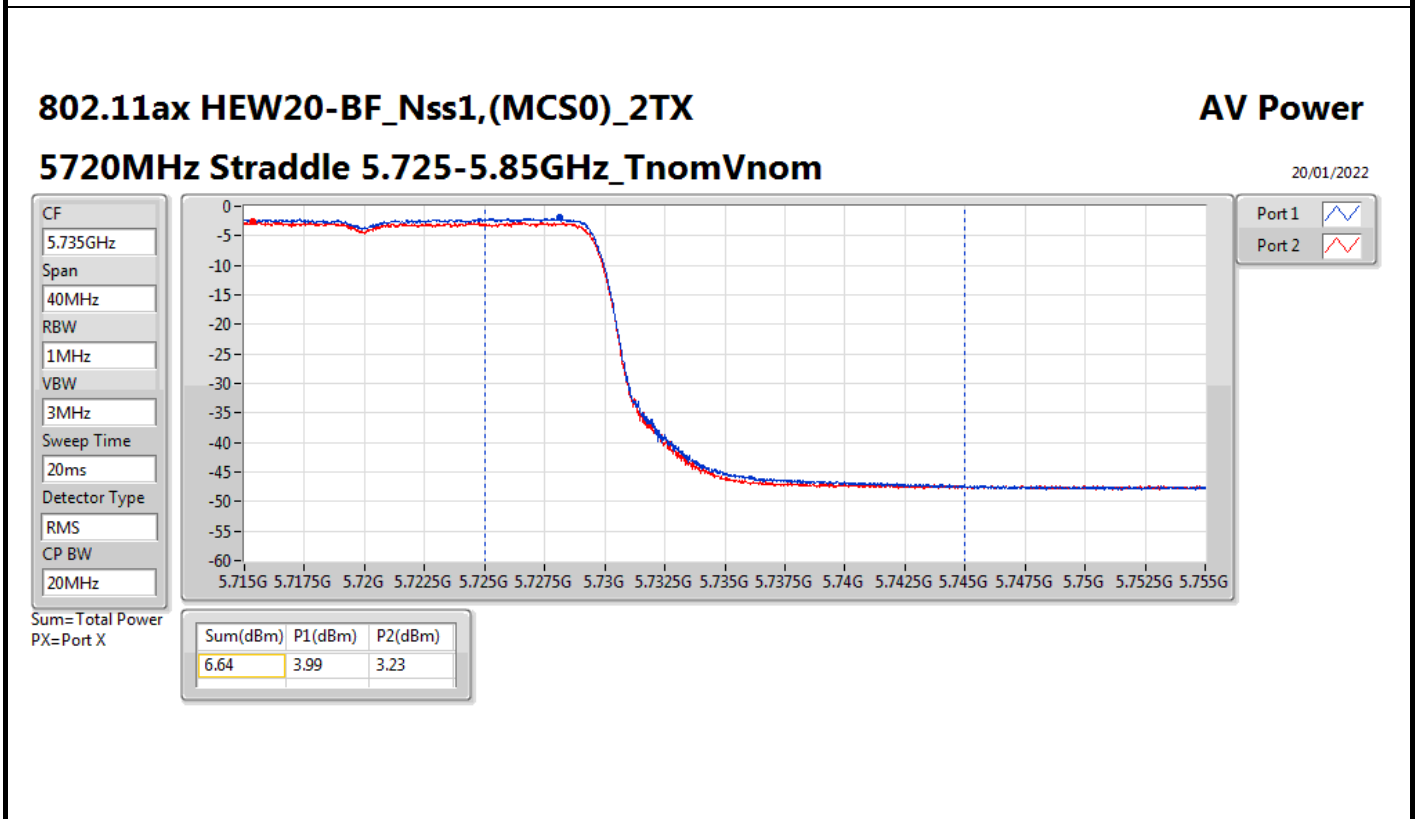
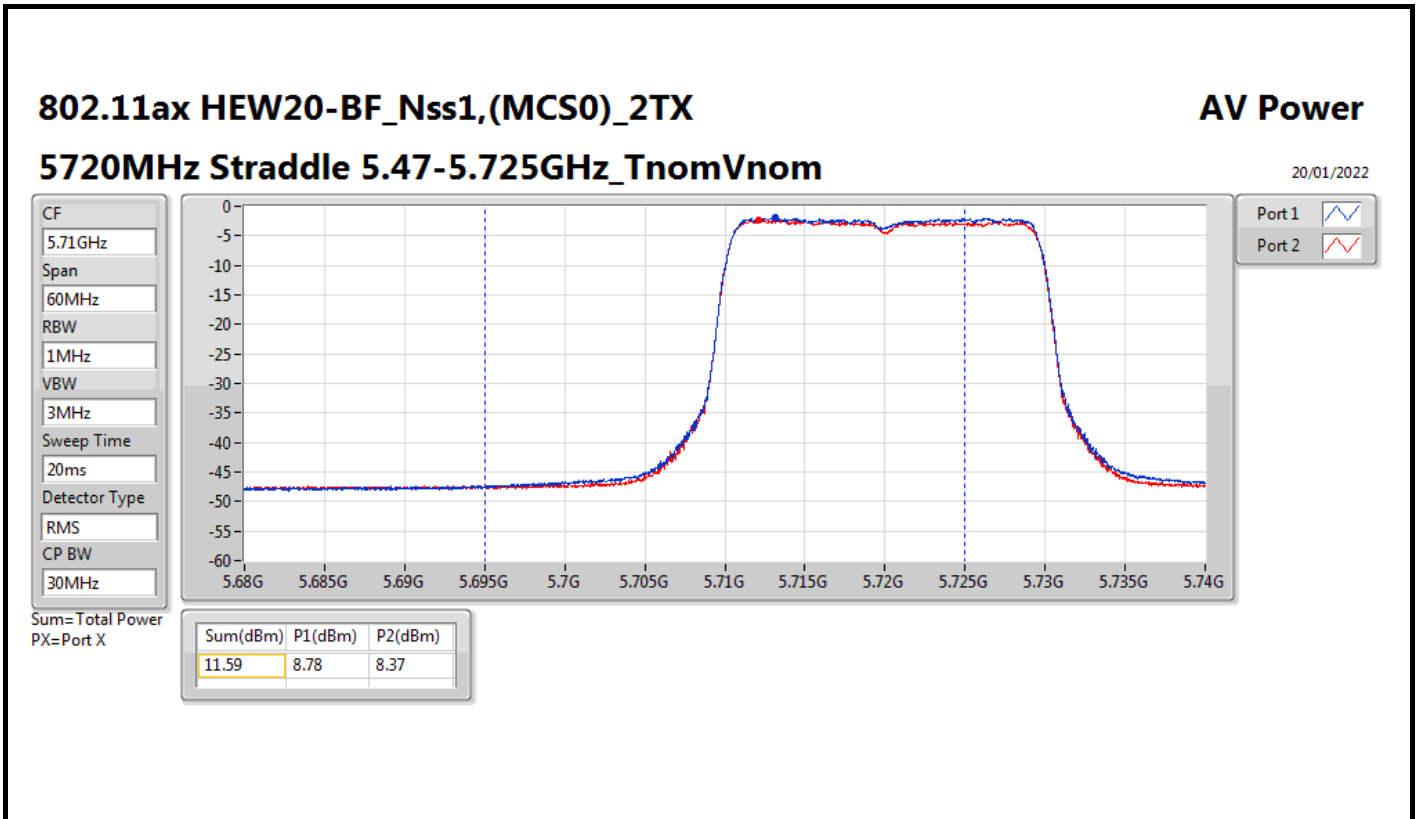
Average Power_Beamforming<Master mode>

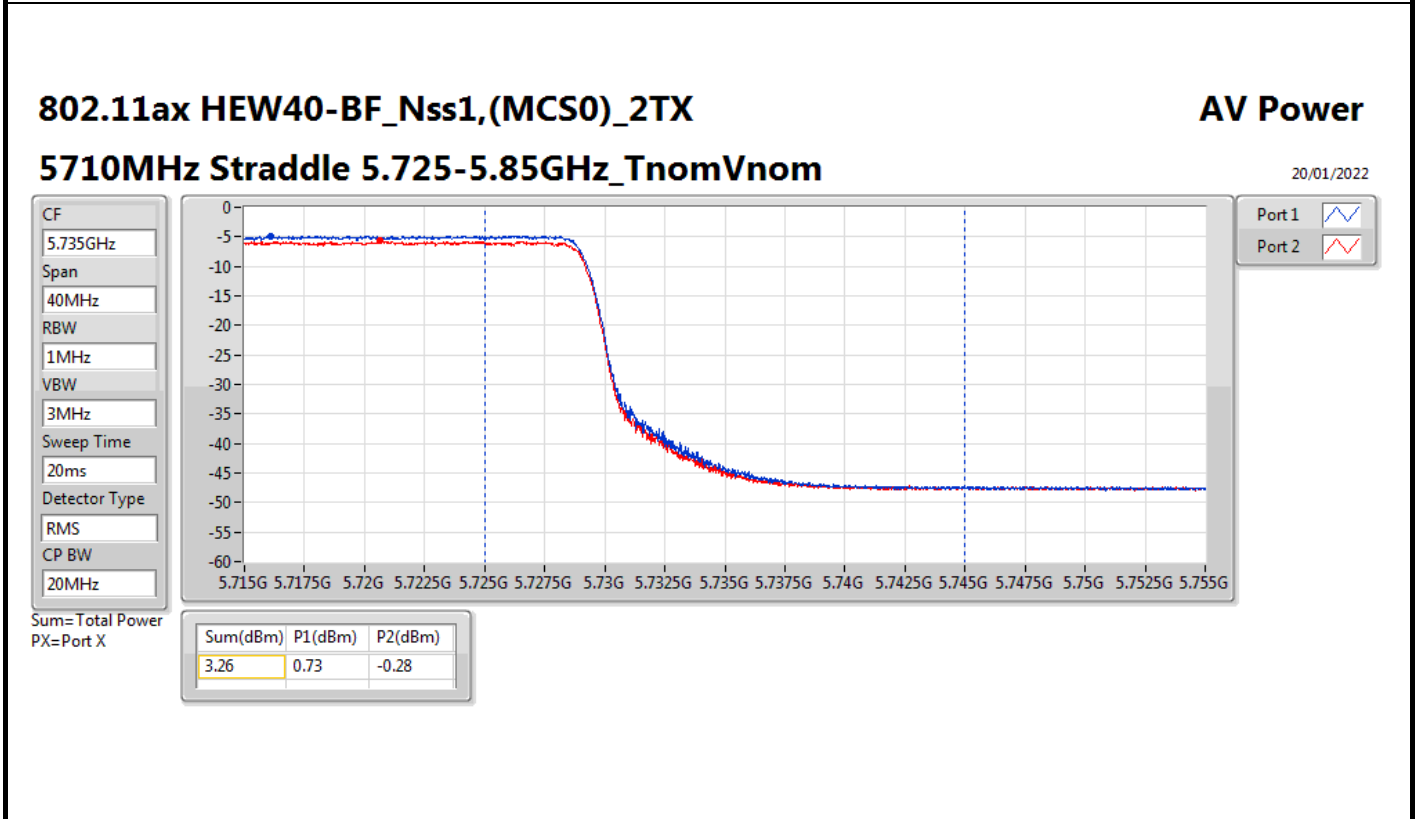
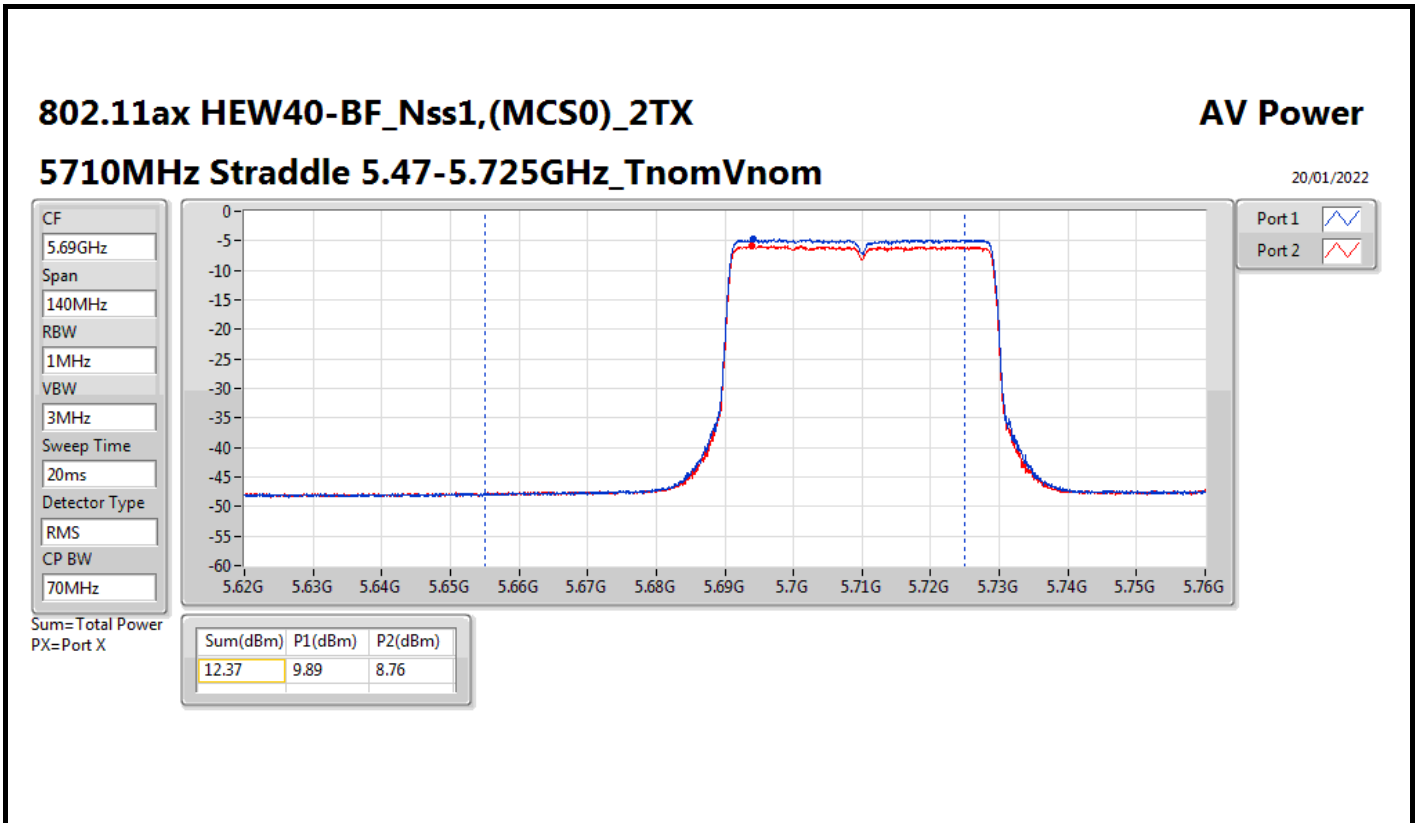
Appendix B.2

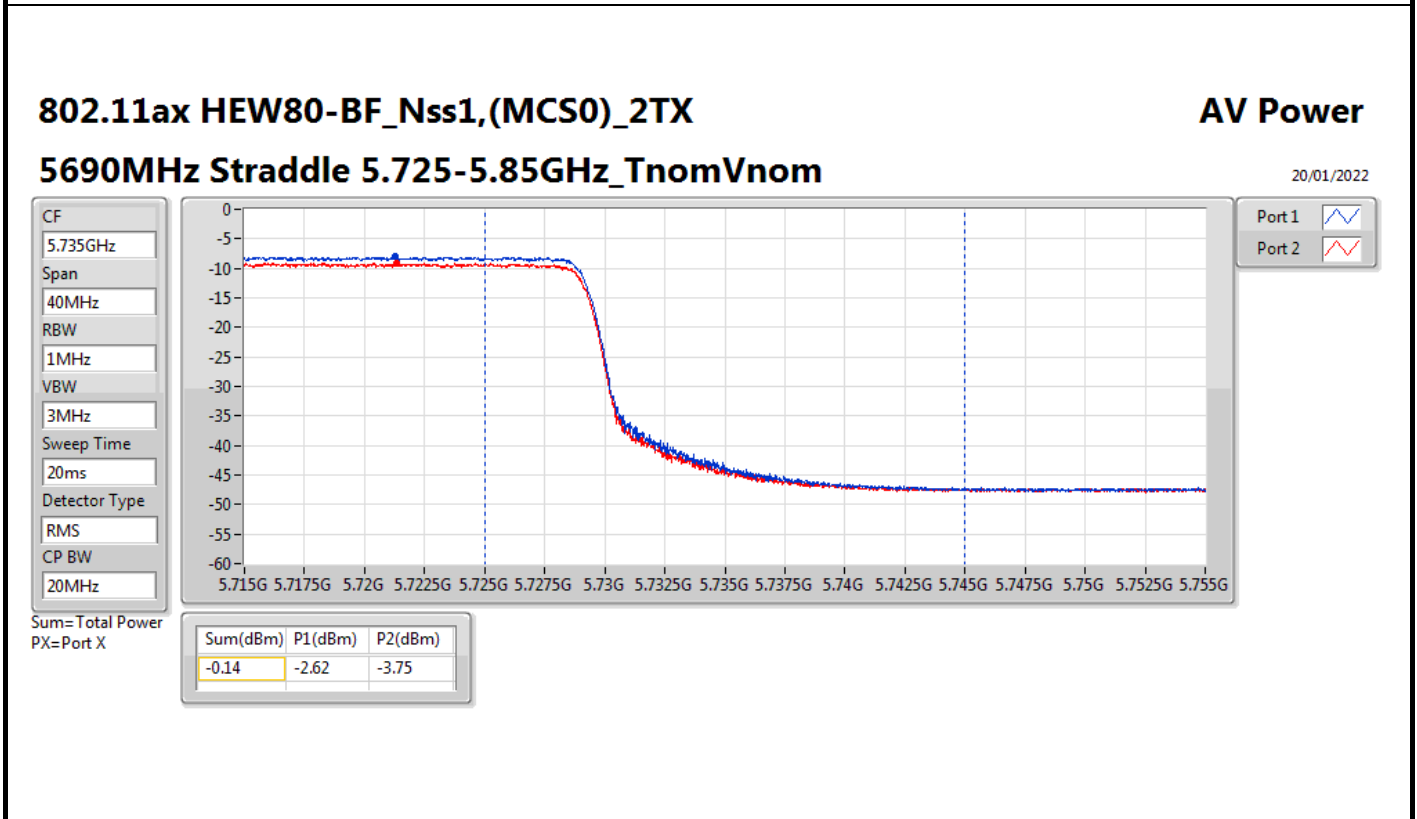
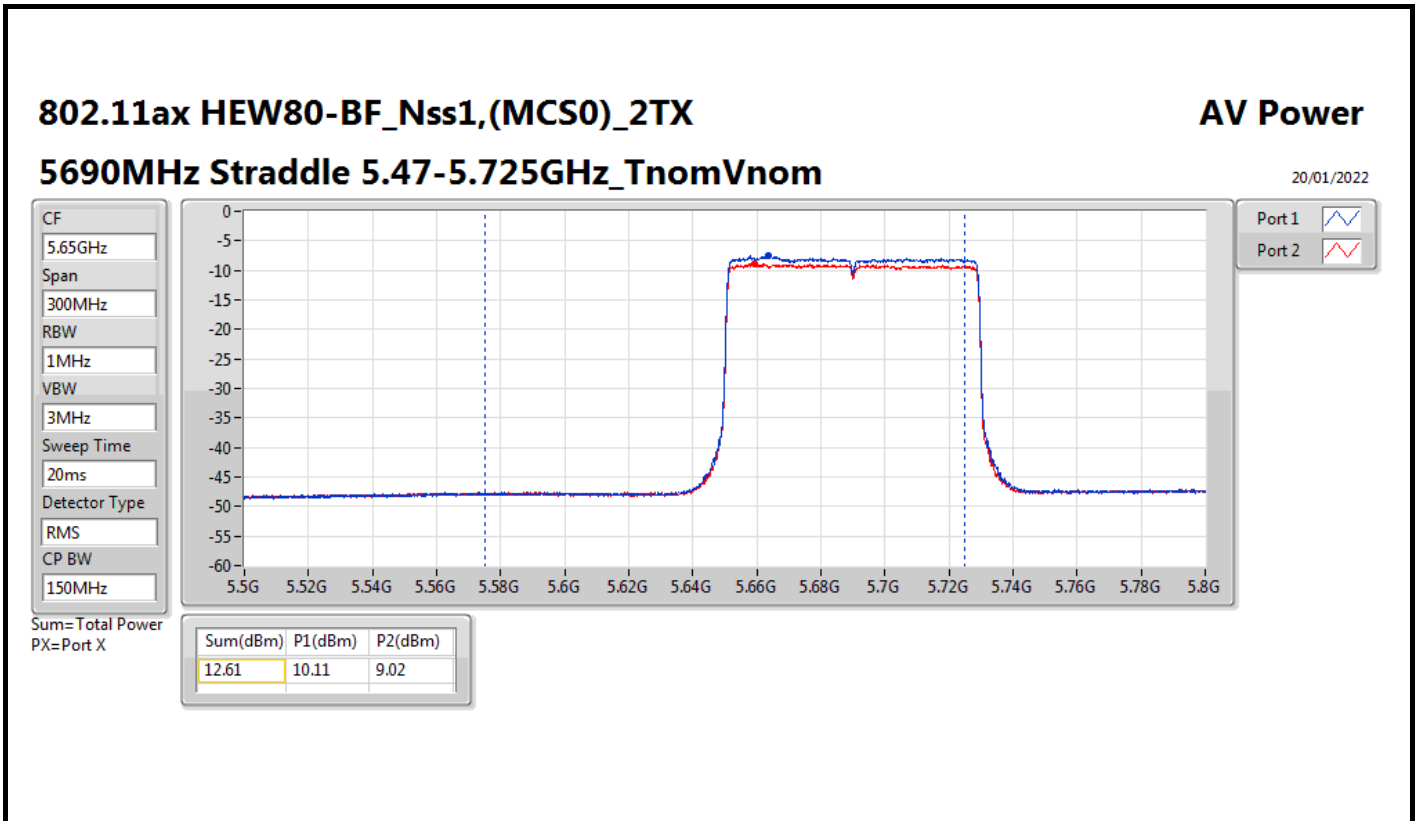
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.97	11.81	11.43	14.63	30.00	20.60	36.00
5200MHz	Pass	5.97	11.98	11.59	14.80	30.00	20.77	36.00
5240MHz	Pass	5.97	12.01	11.68	14.86	30.00	20.83	36.00
5260MHz	Pass	16.90	9.08	8.65	11.88	13.08	28.78	30.00
5300MHz	Pass	16.90	9.67	9.21	12.46	13.08	29.36	30.00
5320MHz	Pass	16.90	9.55	8.76	12.18	13.08	29.08	30.00
5500MHz	Pass	16.54	9.84	9.14	12.51	13.44	29.05	30.00
5580MHz	Pass	16.54	9.25	9.15	12.21	13.44	28.75	30.00
5700MHz	Pass	16.54	10.36	9.29	12.87	13.44	29.41	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	16.54	8.78	8.37	11.59	12.52	28.13	29.06
5720MHz Straddle 5.725-5.85GHz	Pass	15.55	3.99	3.23	6.64	20.45	22.19	36.00
5745MHz	Pass	15.55	16.54	16.38	19.47	20.45	35.02	36.00
5785MHz	Pass	15.55	17.12	15.93	19.58	20.45	35.13	36.00
5825MHz	Pass	15.55	17.15	15.21	19.30	20.45	34.85	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.97	10.77	10.37	13.58	30.00	19.55	36.00
5230MHz	Pass	5.97	11.92	11.44	14.70	30.00	20.67	36.00
5270MHz	Pass	16.90	8.65	8.59	11.63	13.08	28.53	30.00
5310MHz	Pass	16.90	9.56	9.32	12.45	13.08	29.35	30.00
5510MHz	Pass	16.54	7.56	6.87	10.24	13.44	26.78	30.00
5550MHz	Pass	16.54	9.96	8.74	12.40	13.44	28.94	30.00
5670MHz	Pass	16.54	10.51	9.06	12.86	13.44	29.40	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	16.54	9.89	8.76	12.37	13.44	28.91	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	15.55	0.73	-0.28	3.26	20.45	18.81	36.00
5755MHz	Pass	15.55	16.55	16.46	19.52	20.45	35.07	36.00
5795MHz	Pass	15.55	17.25	16.34	19.83	20.45	35.38	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.97	12.05	11.57	14.83	30.00	20.80	36.00
5290MHz	Pass	16.90	9.15	8.30	11.76	13.08	28.66	30.00
5530MHz	Pass	16.54	10.38	9.44	12.95	13.44	29.49	30.00
5610MHz	Pass	16.54	9.82	10.02	12.93	13.44	29.47	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	16.54	10.11	9.02	12.61	13.44	29.15	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	15.55	-2.62	-3.75	-0.14	20.45	15.41	36.00
5775MHz	Pass	15.55	16.54	15.68	19.14	20.45	34.69	36.00

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









Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	12.34	0.01714	26.91	0.49091
802.11ax HEW20_Nss1,(MCS0)_2TX	12.93	0.01963	27.50	0.56234
802.11ax HEW40_Nss1,(MCS0)_2TX	14.06	0.02547	28.63	0.72946
802.11ax HEW80_Nss1,(MCS0)_2TX	14.07	0.02553	28.64	0.73114
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	12.73	0.01875	27.11	0.51404
802.11ax HEW20_Nss1,(MCS0)_2TX	13.17	0.02075	27.55	0.56885
802.11ax HEW40_Nss1,(MCS0)_2TX	14.96	0.03133	29.34	0.85901
802.11ax HEW80_Nss1,(MCS0)_2TX	14.94	0.03119	29.32	0.85507
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	13.18	0.02080	27.18	0.52240
802.11ax HEW20_Nss1,(MCS0)_2TX	13.69	0.02339	27.69	0.58749
802.11ax HEW40_Nss1,(MCS0)_2TX	15.27	0.03365	29.27	0.84528
802.11ax HEW80_Nss1,(MCS0)_2TX	15.42	0.03483	29.42	0.87498
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.42	0.17458	35.47	3.52371
802.11ax HEW20_Nss1,(MCS0)_2TX	22.43	0.17498	35.48	3.53183
802.11ax HEW40_Nss1,(MCS0)_2TX	22.19	0.16558	35.24	3.34195
802.11ax HEW80_Nss1,(MCS0)_2TX	22.24	0.16749	35.29	3.38065



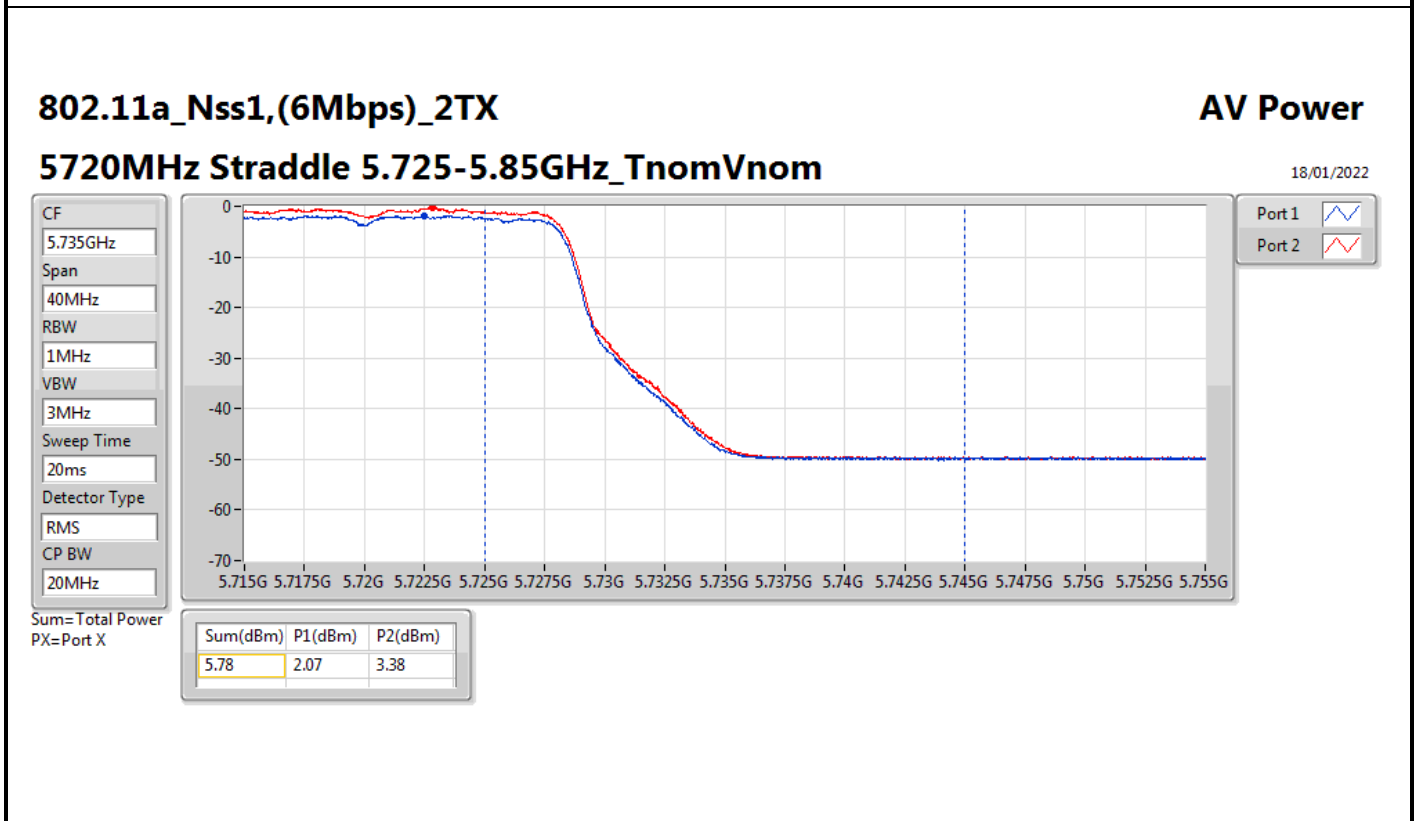
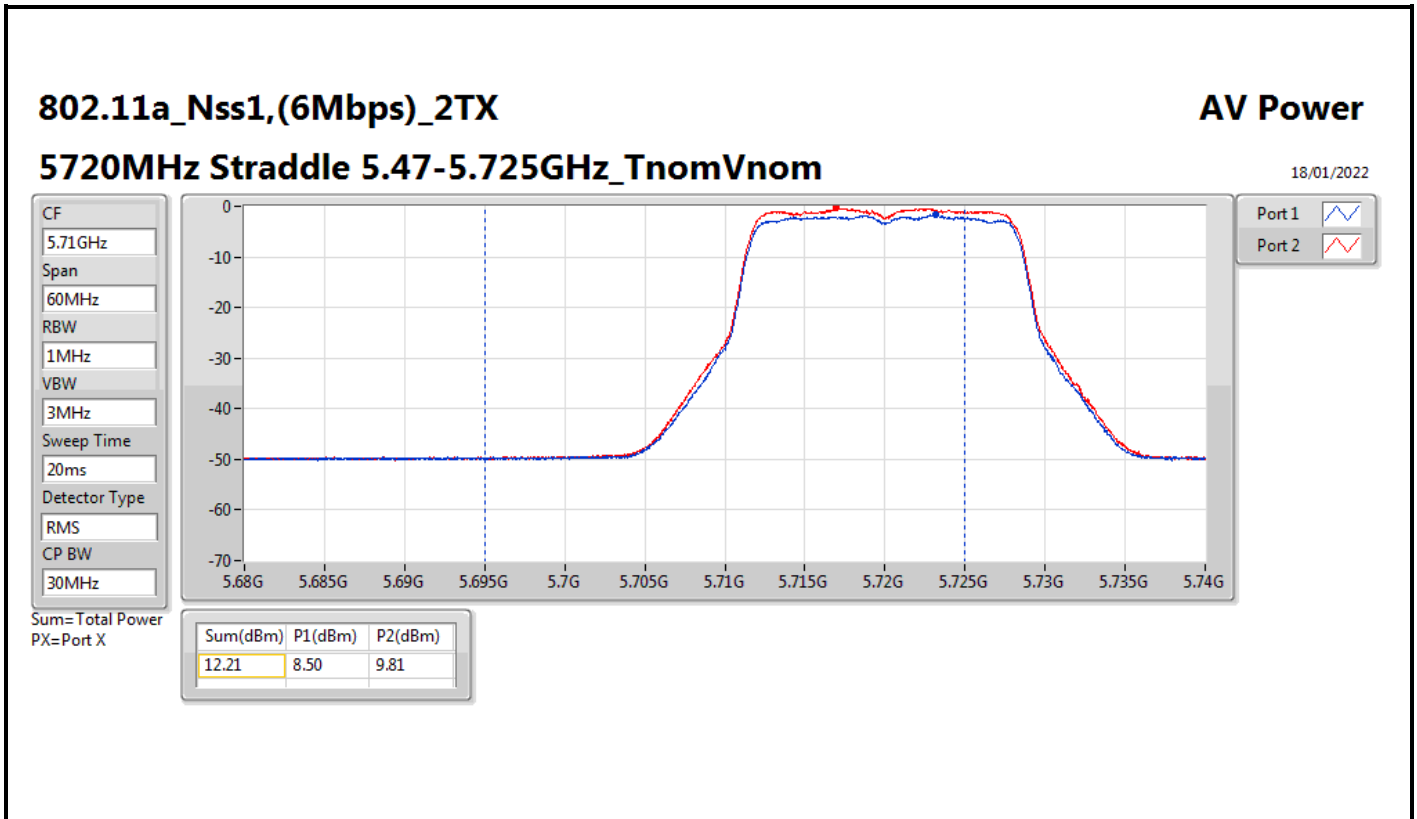
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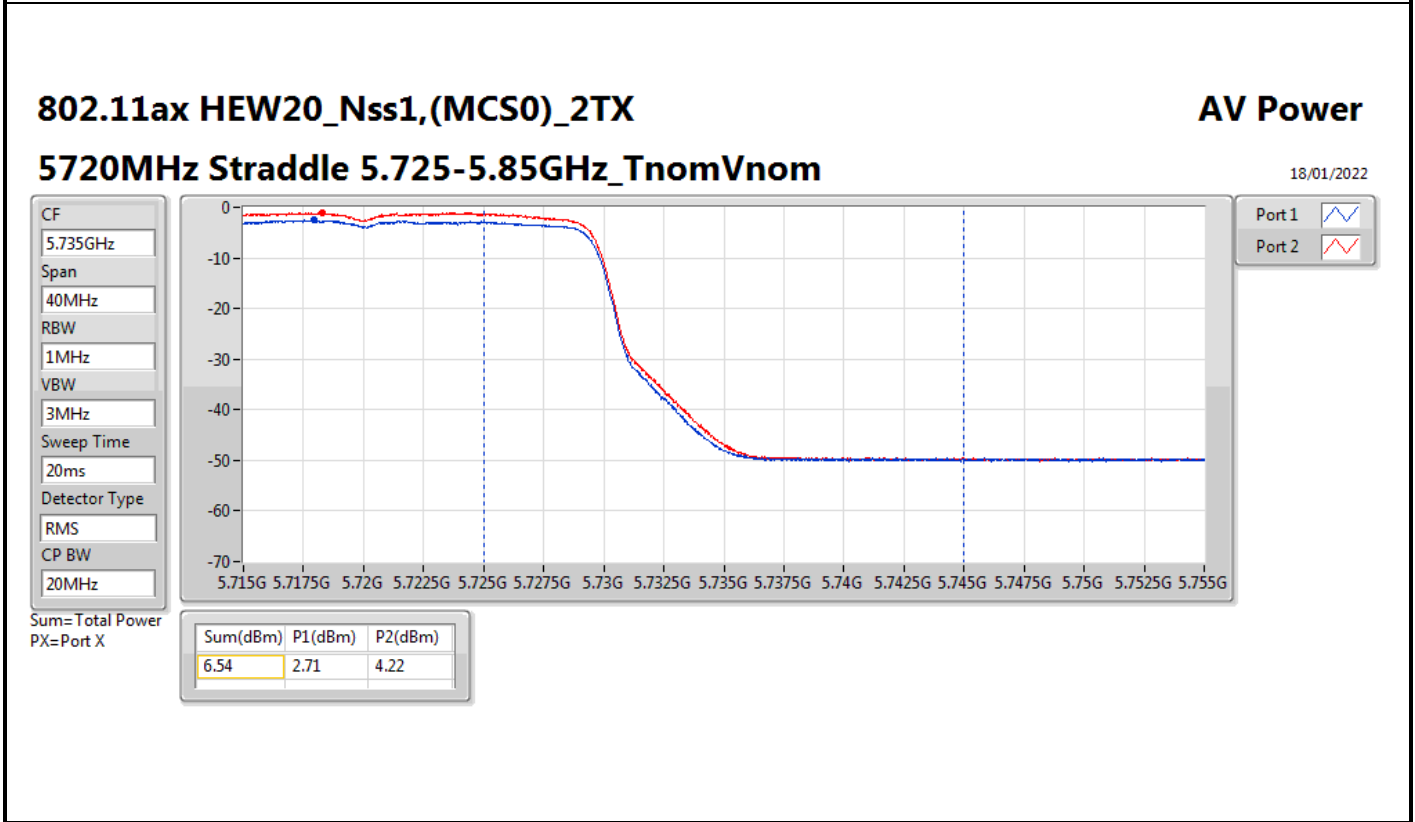
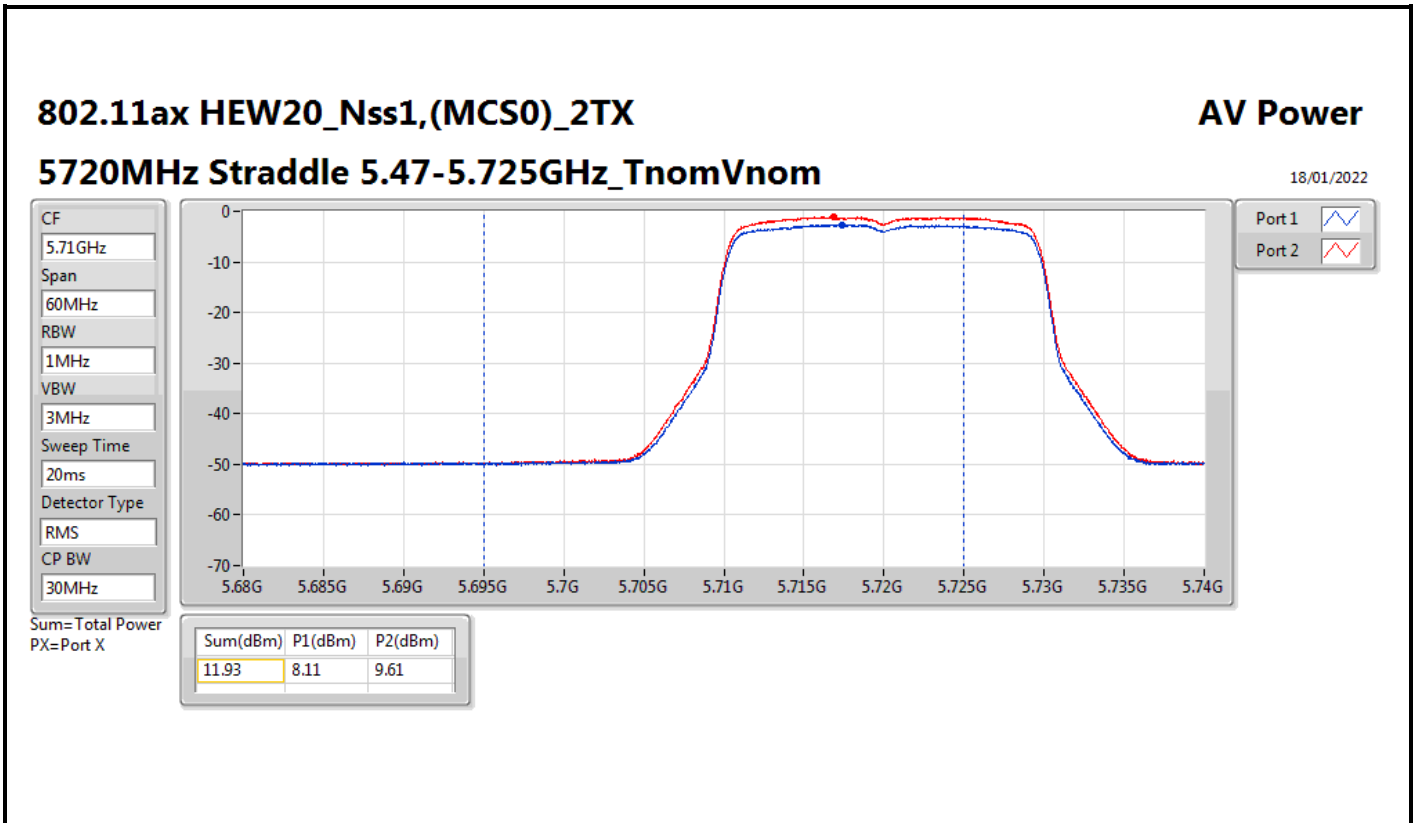
Appendix B.3

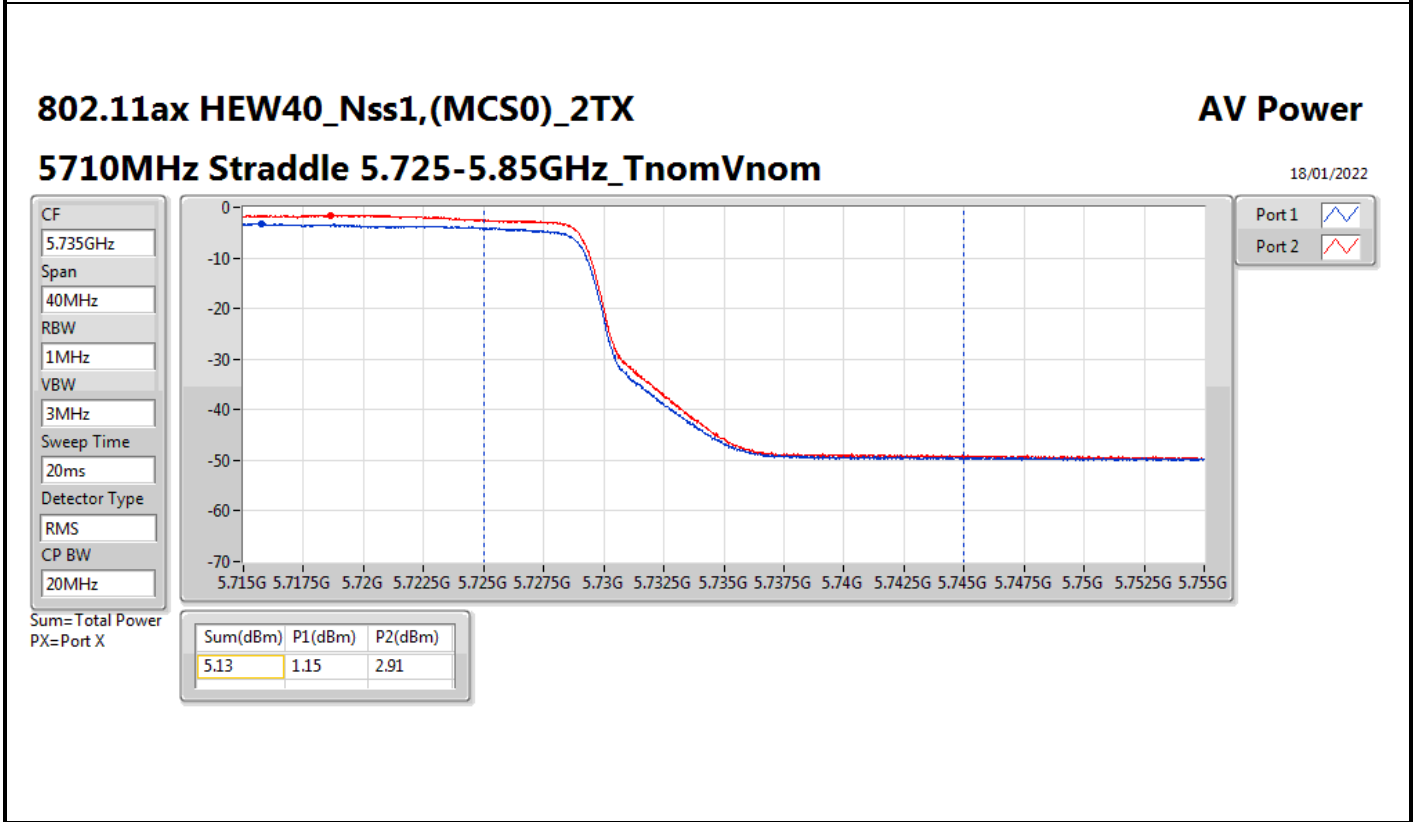
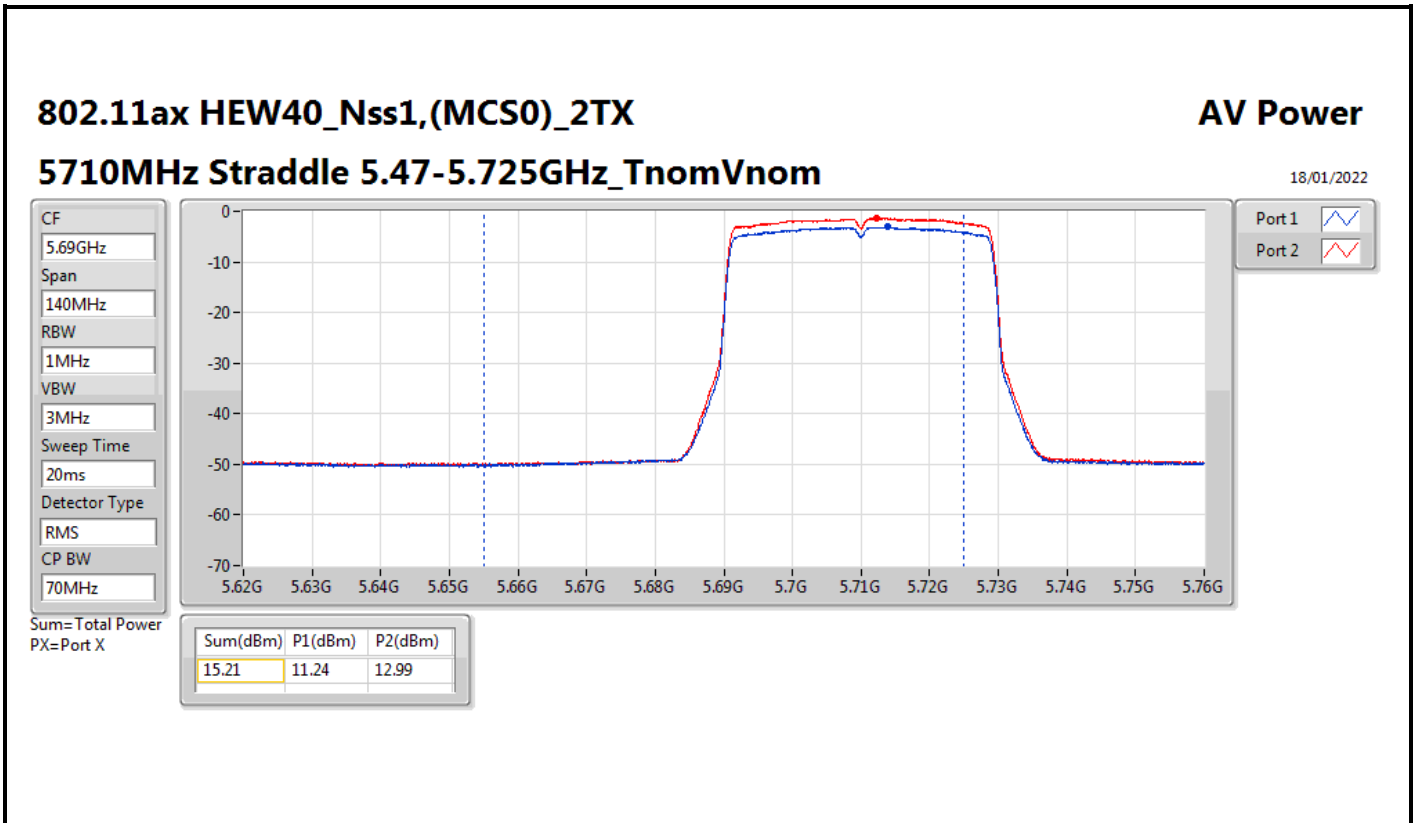
Result

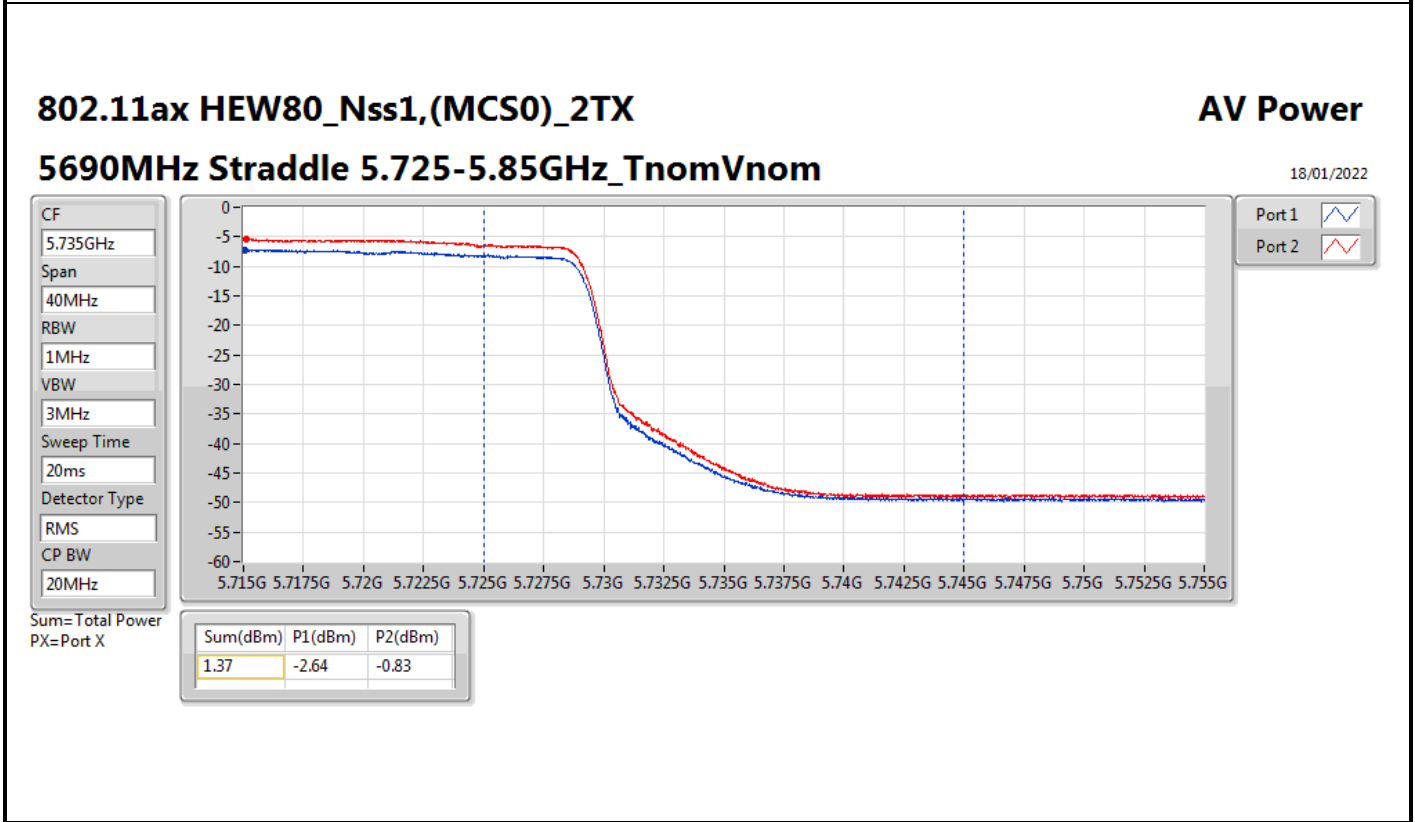
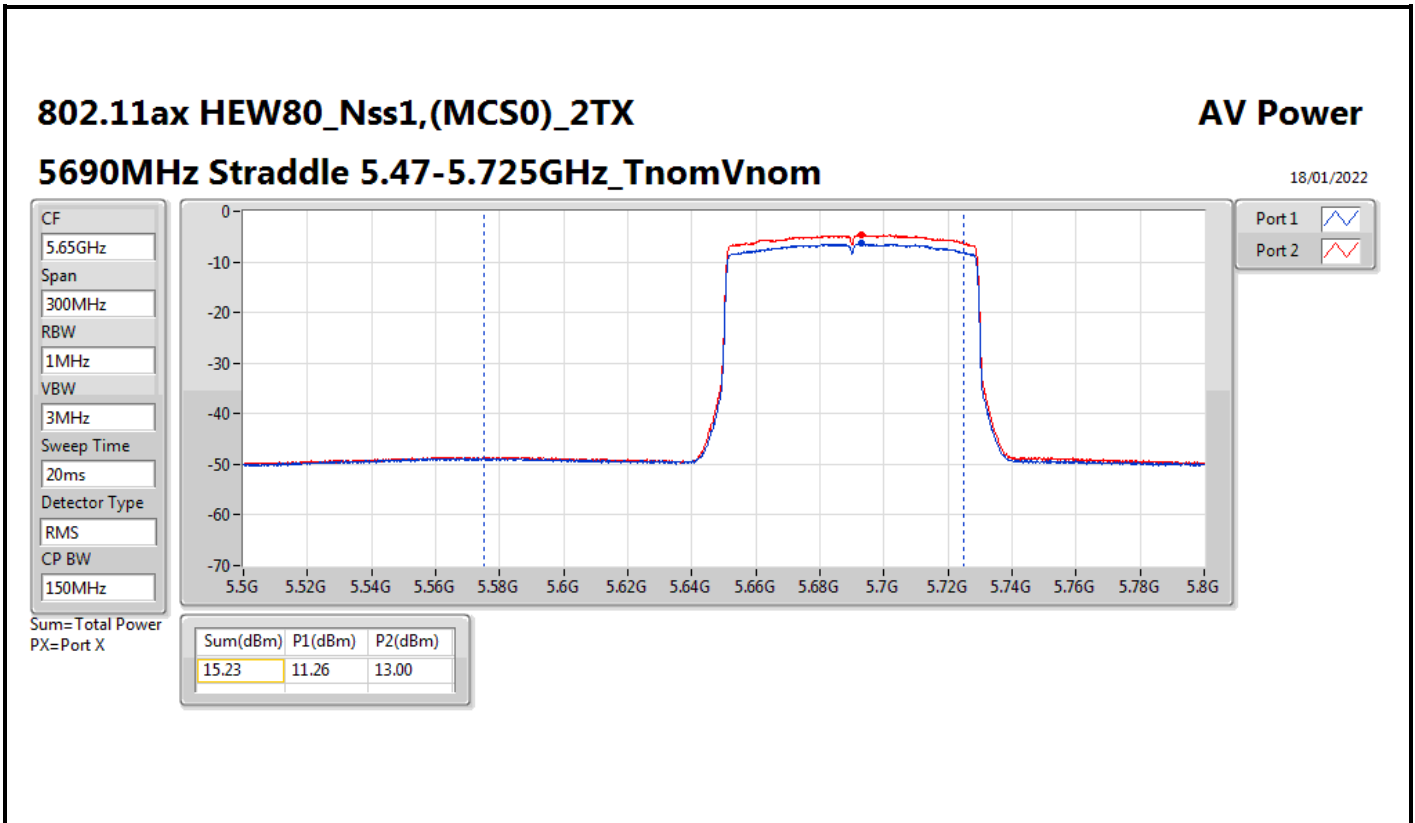
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.57	8.55	9.99	12.34	15.41	26.91	30.00
5200MHz	Pass	14.57	9.02	8.82	11.93	15.41	26.50	30.00
5240MHz	Pass	14.57	8.92	9.67	12.32	15.41	26.89	30.00
5260MHz	Pass	14.38	8.98	10.11	12.59	15.60	26.97	30.00
5300MHz	Pass	14.38	9.23	10.00	12.64	15.60	27.02	30.00
5320MHz	Pass	14.38	9.46	9.97	12.73	15.60	27.11	30.00
5500MHz	Pass	14.00	9.23	10.94	13.18	15.98	27.18	30.00
5580MHz	Pass	14.00	9.58	10.54	13.10	15.98	27.10	30.00
5700MHz	Pass	14.00	9.07	10.88	13.08	15.98	27.08	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	14.00	8.50	9.81	12.21	14.78	26.21	28.78
5720MHz Straddle 5.725-5.85GHz	Pass	13.05	2.07	3.38	5.78	22.95	18.83	36.00
5745MHz	Pass	13.05	18.51	19.85	22.24	22.95	35.29	36.00
5785MHz	Pass	13.05	18.21	19.97	22.19	22.95	35.24	36.00
5825MHz	Pass	13.05	18.15	20.39	22.42	22.95	35.47	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.57	9.29	10.24	12.80	15.41	27.37	30.00
5200MHz	Pass	14.57	9.46	10.34	12.93	15.41	27.50	30.00
5240MHz	Pass	14.57	9.20	10.13	12.70	15.41	27.27	30.00
5260MHz	Pass	14.38	9.41	10.70	13.11	15.60	27.49	30.00
5300MHz	Pass	14.38	9.70	9.88	12.80	15.60	27.18	30.00
5320MHz	Pass	14.38	9.68	10.59	13.17	15.60	27.55	30.00
5500MHz	Pass	14.00	9.76	11.44	13.69	15.98	27.69	30.00
5580MHz	Pass	14.00	9.73	10.53	13.16	15.98	27.16	30.00
5700MHz	Pass	14.00	8.98	10.83	13.01	15.98	27.01	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	14.00	8.11	9.61	11.93	14.97	25.93	28.97
5720MHz Straddle 5.725-5.85GHz	Pass	13.05	2.71	4.22	6.54	22.95	19.59	36.00
5745MHz	Pass	13.05	18.39	19.98	22.27	22.95	35.32	36.00
5785MHz	Pass	13.05	18.34	20.09	22.31	22.95	35.36	36.00
5825MHz	Pass	13.05	18.34	20.29	22.43	22.95	35.48	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.57	11.01	11.03	14.03	15.41	28.60	30.00
5230MHz	Pass	14.57	11.02	11.08	14.06	15.41	28.63	30.00
5270MHz	Pass	14.38	11.96	11.93	14.96	15.60	29.34	30.00
5310MHz	Pass	14.38	11.81	12.00	14.92	15.60	29.30	30.00
5510MHz	Pass	14.00	10.89	12.64	14.86	15.98	28.86	30.00
5550MHz	Pass	14.00	10.85	13.32	15.27	15.98	29.27	30.00
5670MHz	Pass	14.00	10.45	13.17	15.03	15.98	29.03	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	14.00	11.24	12.99	15.21	15.98	29.21	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	13.05	1.15	2.91	5.13	22.95	18.18	36.00
5755MHz	Pass	13.05	18.39	19.84	22.19	22.95	35.24	36.00
5795MHz	Pass	13.05	18.12	19.90	22.11	22.95	35.16	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.57	10.96	11.15	14.07	15.41	28.64	30.00
5290MHz	Pass	14.38	11.78	12.07	14.94	15.60	29.32	30.00
5530MHz	Pass	14.00	11.52	13.15	15.42	15.98	29.42	30.00
5610MHz	Pass	14.00	11.51	12.54	15.07	15.98	29.07	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	14.00	11.26	13.00	15.23	15.98	29.23	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	13.05	-2.64	-0.83	1.37	22.95	14.42	36.00
5775MHz	Pass	13.05	18.54	19.83	22.24	22.95	35.29	36.00

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











Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	3.03	9.00
802.11ax HEW20_Nss1,(MCS0)_2TX	2.48	8.45
802.11ax HEW40_Nss1,(MCS0)_2TX	-1.29	4.68
802.11ax HEW80_Nss1,(MCS0)_2TX	-4.03	1.94
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	-0.07	16.83
802.11ax HEW20_Nss1,(MCS0)_2TX	-0.18	16.72
802.11ax HEW40_Nss1,(MCS0)_2TX	-1.44	15.46
802.11ax HEW80_Nss1,(MCS0)_2TX	-4.23	12.67
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	0.39	16.93
802.11ax HEW20_Nss1,(MCS0)_2TX	0.14	16.68
802.11ax HEW40_Nss1,(MCS0)_2TX	-0.71	15.83
802.11ax HEW80_Nss1,(MCS0)_2TX	-3.88	12.66
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.10	23.65
802.11ax HEW20_Nss1,(MCS0)_2TX	7.43	22.98
802.11ax HEW40_Nss1,(MCS0)_2TX	4.28	19.83
802.11ax HEW80_Nss1,(MCS0)_2TX	1.37	16.92

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	5.97	-0.47	0.62	3.03	17.00	9.00	23.00
5200MHz	Pass	5.97	-0.82	-0.70	2.16	17.00	8.13	23.00
5240MHz	Pass	5.97	-0.36	0.43	2.93	17.00	8.90	23.00
5260MHz	Pass	16.90	-3.74	-2.77	-0.22	0.10	16.68	17.00
5300MHz	Pass	16.90	-3.44	-2.74	-0.15	0.10	16.75	17.00
5320MHz	Pass	16.90	-3.38	-2.74	-0.07	0.10	16.83	17.00
5500MHz	Pass	16.54	-3.48	-1.84	0.36	0.46	16.90	17.00
5580MHz	Pass	16.54	-3.15	-2.21	0.32	0.46	16.86	17.00
5700MHz	Pass	16.54	-3.67	-1.83	0.28	0.46	16.82	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	16.54	-3.26	-1.99	0.39	0.46	16.93	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	15.55	-5.46	-4.12	-1.74	20.45	13.81	36.00
5745MHz	Pass	15.55	4.40	5.80	8.10	20.45	23.65	36.00
5785MHz	Pass	15.55	3.99	5.78	7.87	20.45	23.42	36.00
5825MHz	Pass	15.55	3.85	6.10	8.05	20.45	23.60	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.97	-0.93	0.01	2.44	17.00	8.41	23.00
5200MHz	Pass	5.97	-1.33	-0.39	2.01	17.00	7.98	23.00
5240MHz	Pass	5.97	-1.05	0.06	2.48	17.00	8.45	23.00
5260MHz	Pass	16.90	-3.95	-2.80	-0.33	0.10	16.57	17.00
5300MHz	Pass	16.90	-3.62	-3.39	-0.55	0.10	16.35	17.00
5320MHz	Pass	16.90	-3.66	-2.62	-0.18	0.10	16.72	17.00
5500MHz	Pass	16.54	-3.80	-2.02	0.14	0.46	16.68	17.00
5580MHz	Pass	16.54	-3.85	-2.91	-0.41	0.46	16.13	17.00
5700MHz	Pass	16.54	-4.34	-2.44	-0.28	0.46	16.26	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	16.54	-4.22	-2.65	-0.39	0.46	16.15	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	15.55	-6.02	-4.39	-2.14	20.45	13.41	36.00
5745MHz	Pass	15.55	3.53	5.07	7.37	20.45	22.92	36.00
5785MHz	Pass	15.55	3.49	5.23	7.33	20.45	22.88	36.00
5825MHz	Pass	15.55	3.33	5.54	7.43	20.45	22.98	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.97	-4.30	-4.24	-1.30	17.00	4.67	23.00
5230MHz	Pass	5.97	-4.15	-4.21	-1.29	17.00	4.68	23.00
5270MHz	Pass	16.90	-4.35	-4.23	-1.44	0.10	15.46	17.00
5310MHz	Pass	16.90	-4.50	-4.38	-1.51	0.10	15.39	17.00
5510MHz	Pass	16.54	-5.71	-3.82	-1.68	0.46	14.86	17.00
5550MHz	Pass	16.54	-5.69	-3.15	-1.27	0.46	15.27	17.00
5670MHz	Pass	16.54	-5.95	-3.39	-1.52	0.46	15.02	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	16.54	-4.56	-2.88	-0.71	0.46	15.83	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	15.55	-7.11	-5.46	-3.25	20.45	12.30	36.00
5755MHz	Pass	15.55	0.62	1.94	4.28	20.45	19.83	36.00
5795MHz	Pass	15.55	0.23	2.03	4.18	20.45	19.73	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.97	-6.99	-7.07	-4.03	17.00	1.94	23.00
5290MHz	Pass	16.90	-7.28	-6.98	-4.23	0.10	12.67	17.00
5530MHz	Pass	16.54	-7.83	-6.09	-3.88	0.46	12.66	17.00
5610MHz	Pass	16.54	-7.80	-6.53	-4.15	0.46	12.39	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	16.54	-7.94	-6.16	-4.01	0.46	12.53	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	15.55	-11.16	-9.25	-7.09	20.45	8.46	36.00
5775MHz	Pass	15.55	-2.24	-0.88	1.37	20.45	16.92	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;

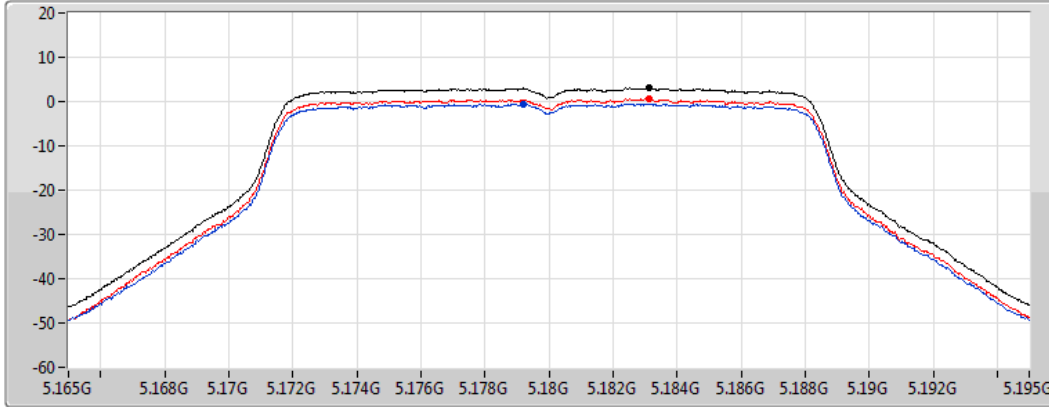
802.11a_Nss1,(6Mbps)_2TX




PSD

5180MHz

18/01/2022

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)
3.03	3.03	-0.47	0.62

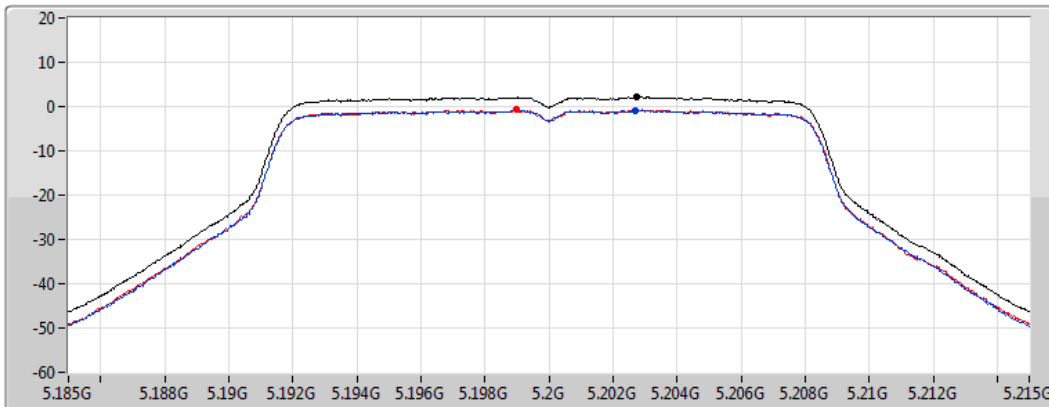
802.11a_Nss1,(6Mbps)_2TX




PSD

5200MHz

18/01/2022

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)
2.16	2.16	-0.82	-0.70

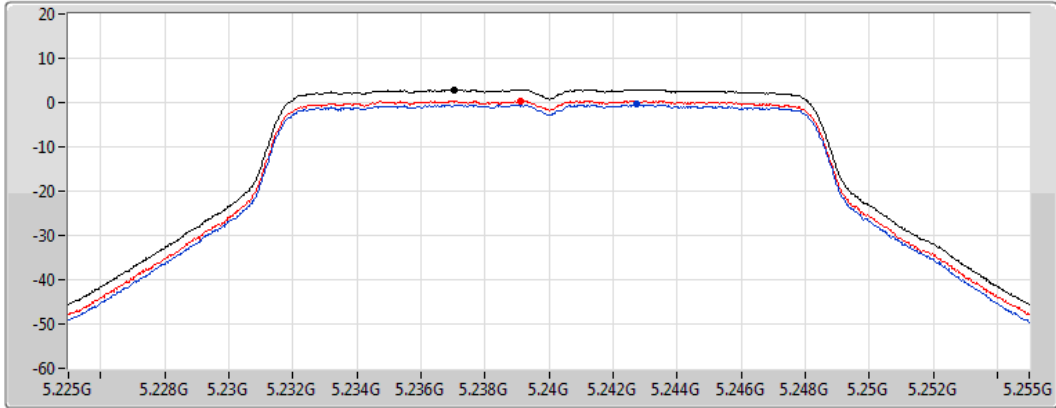
802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

18/01/2022

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)
2.93	2.93	-0.36	0.43

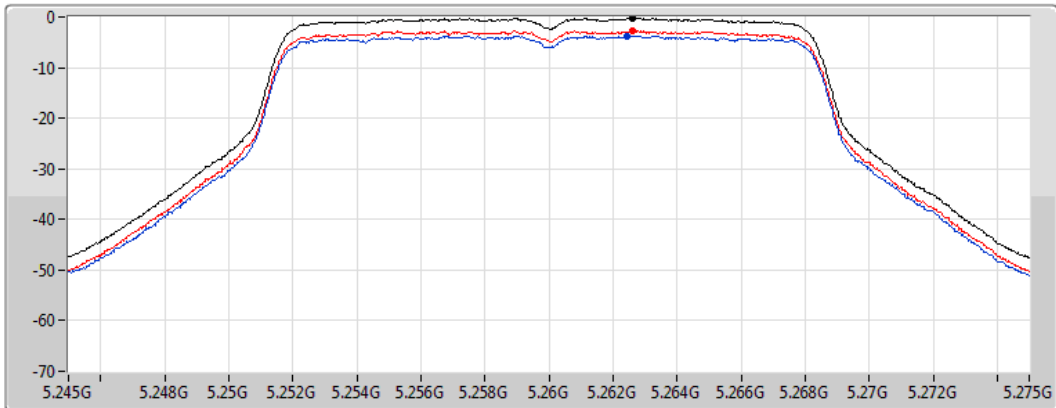
802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

18/01/2022

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



Sum
Port 1
Port 2

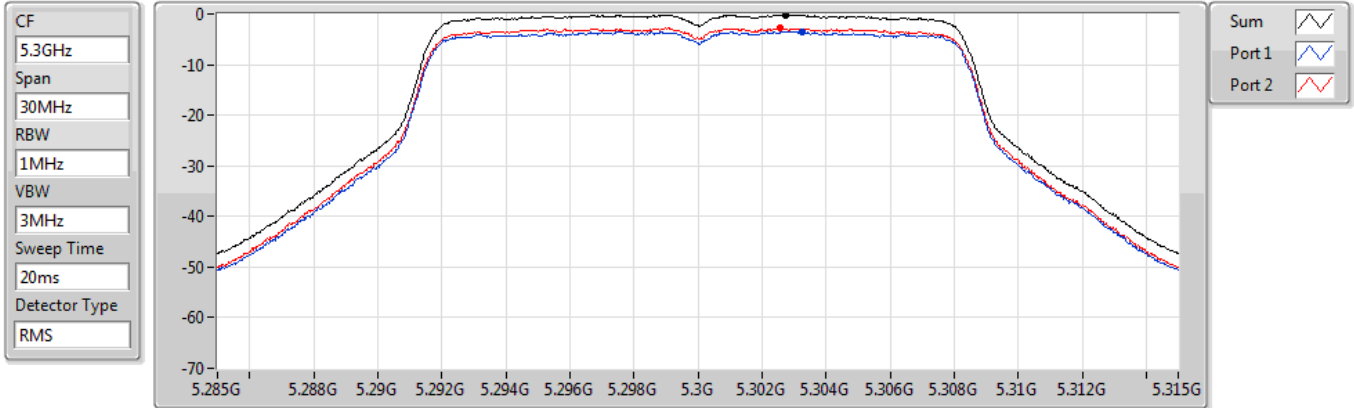
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.22	-0.22	-3.74	-2.77

802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

18/01/2022



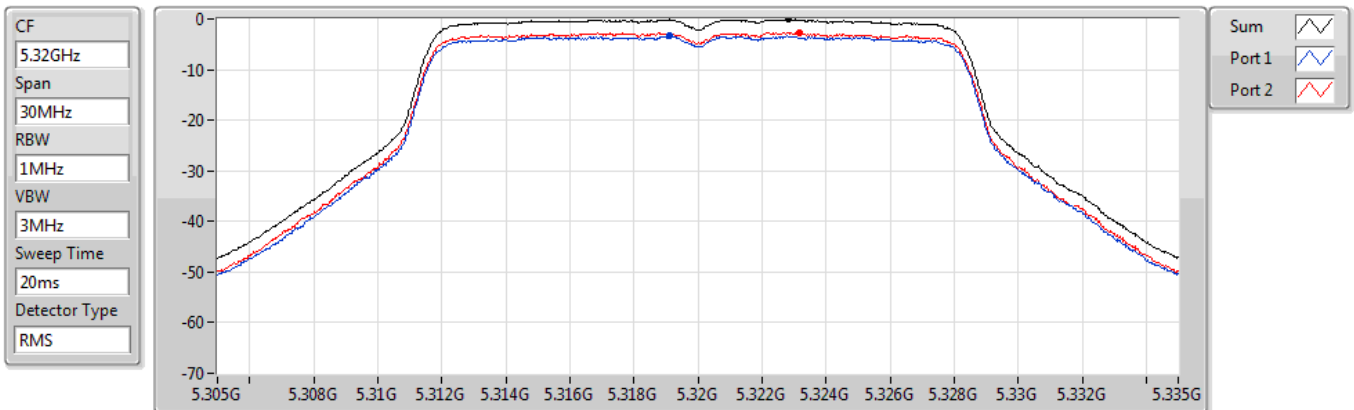
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.15	-0.15	-3.44	-2.74

802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

18/01/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.07	-0.07	-3.38	-2.74

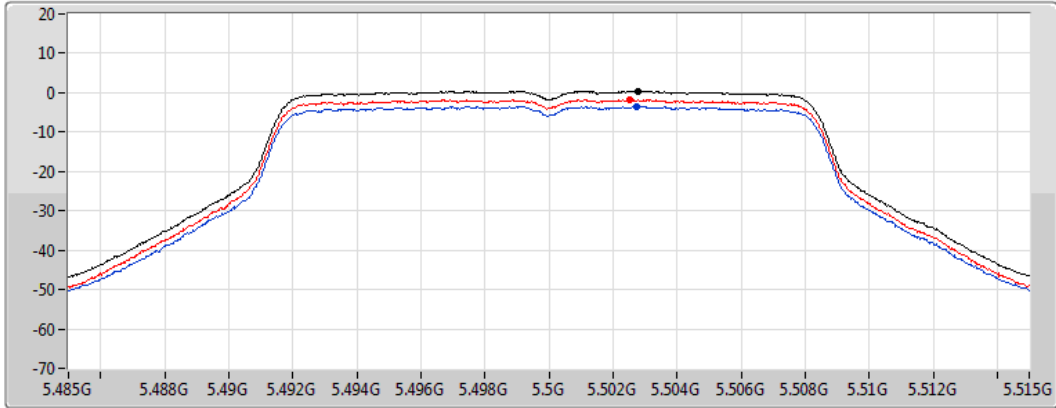
802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

18/01/2022

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)
0.36	0.36	-3.48	-1.84

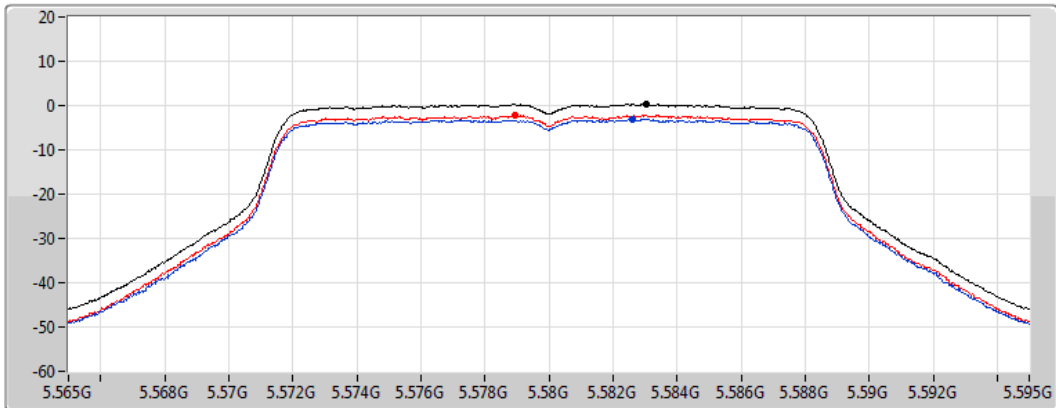
802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

18/01/2022

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)
0.32	0.32	-3.15	-2.21

802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

18/01/2022

CF
5.7GHz

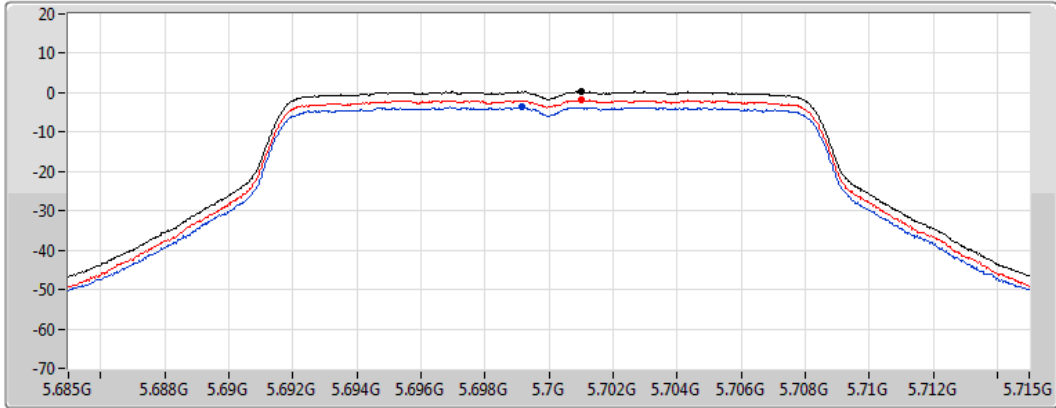
Span
30MHz


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)
0.28	0.28	-3.67	-1.83

802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

18/01/2022

CF
5.71GHz

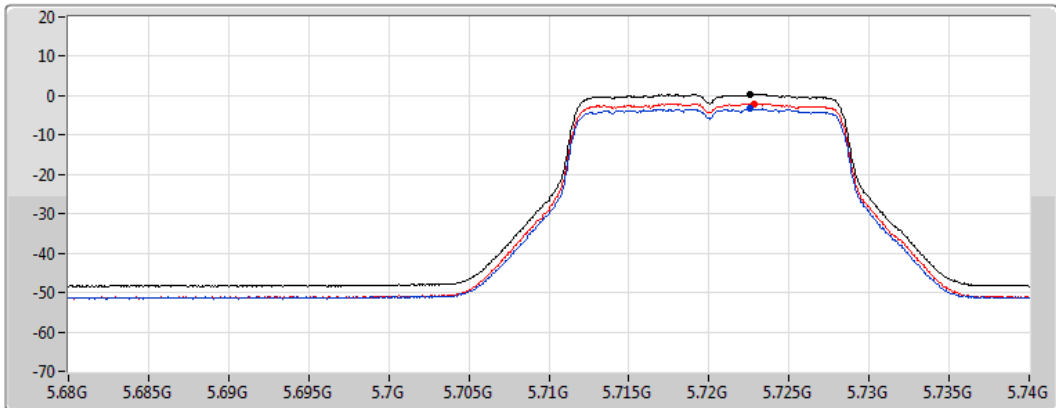
Span
60MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

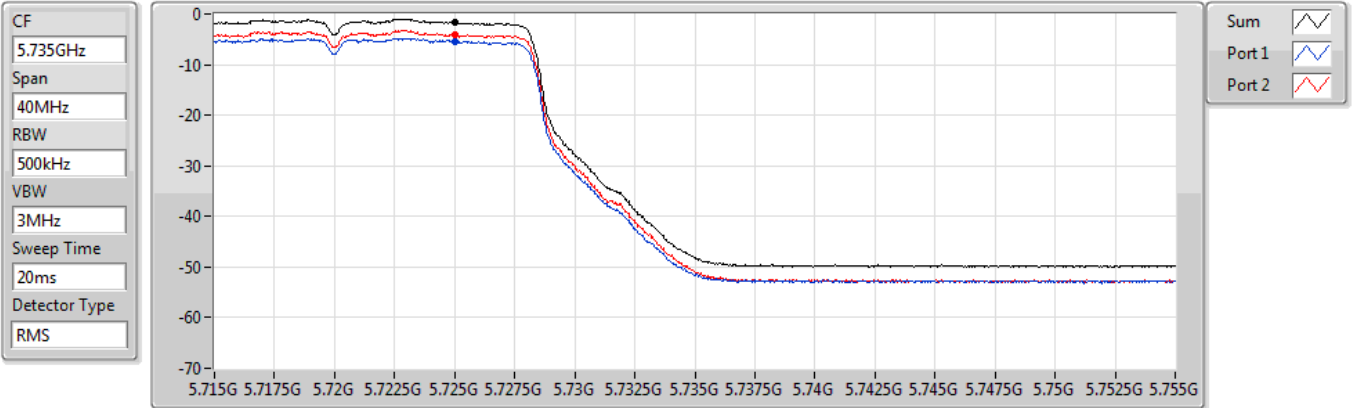
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.39	0.39	-3.26	-1.99

802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

18/01/2022

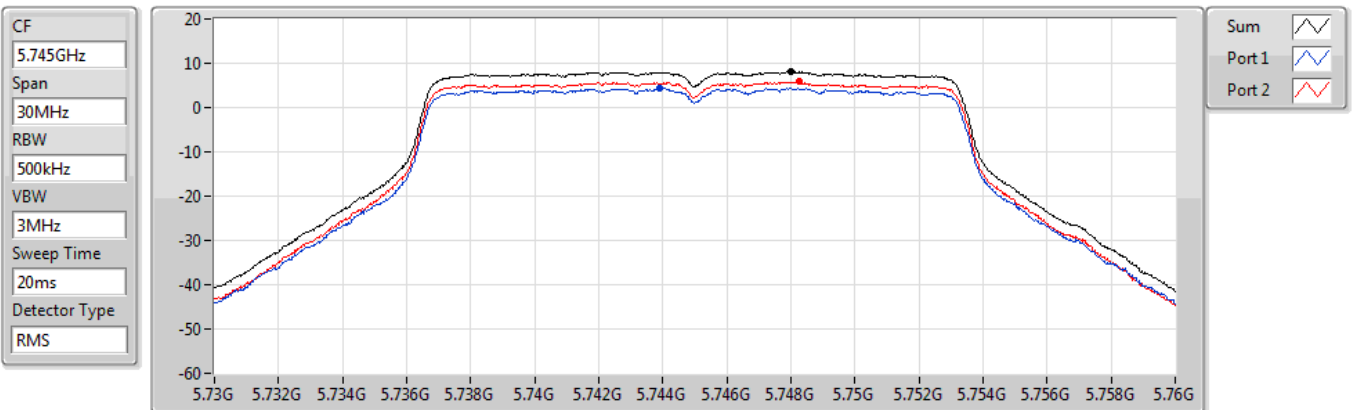


802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

18/01/2022



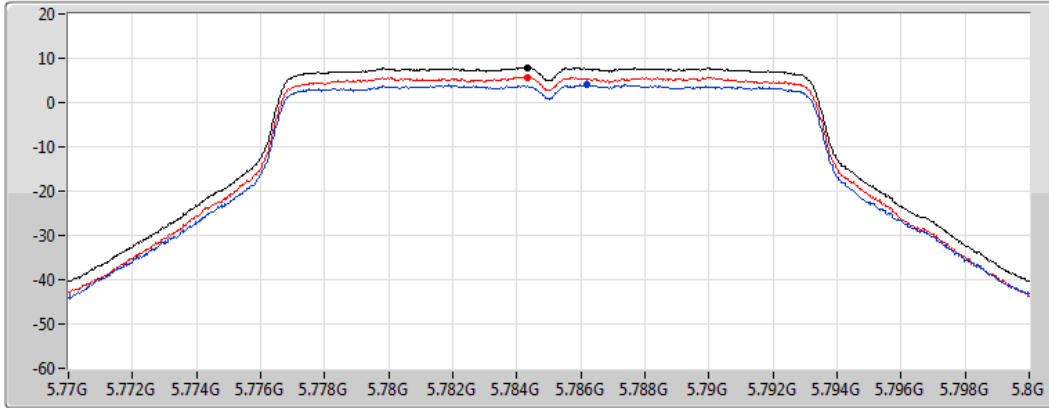
802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

18/01/2022

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)
7.87	7.87	3.99	5.78

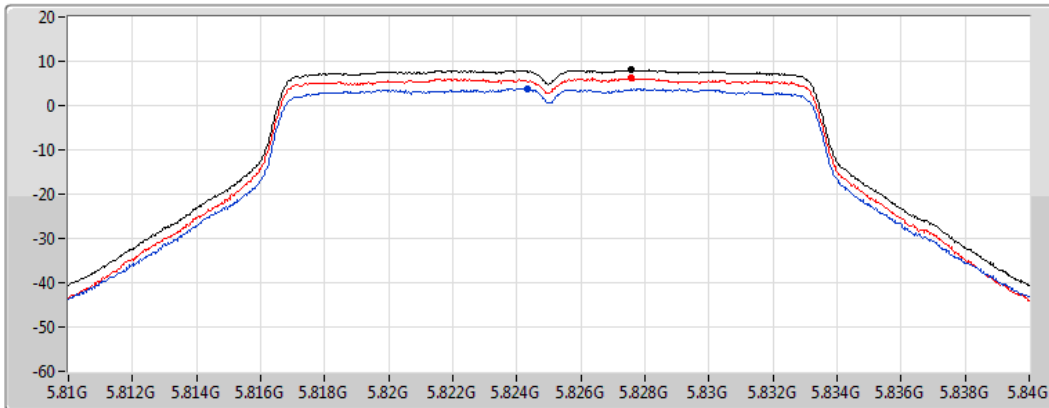
802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

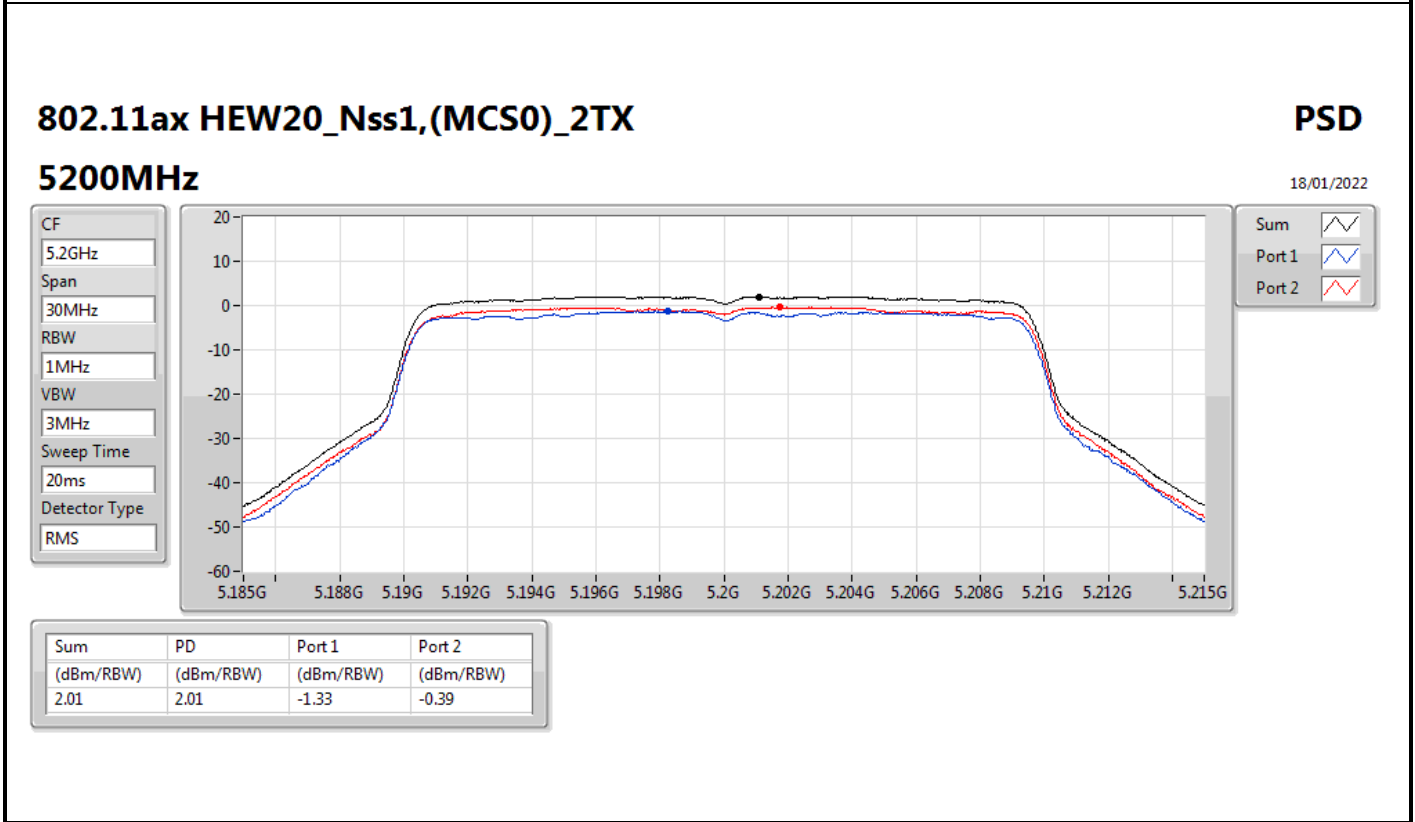
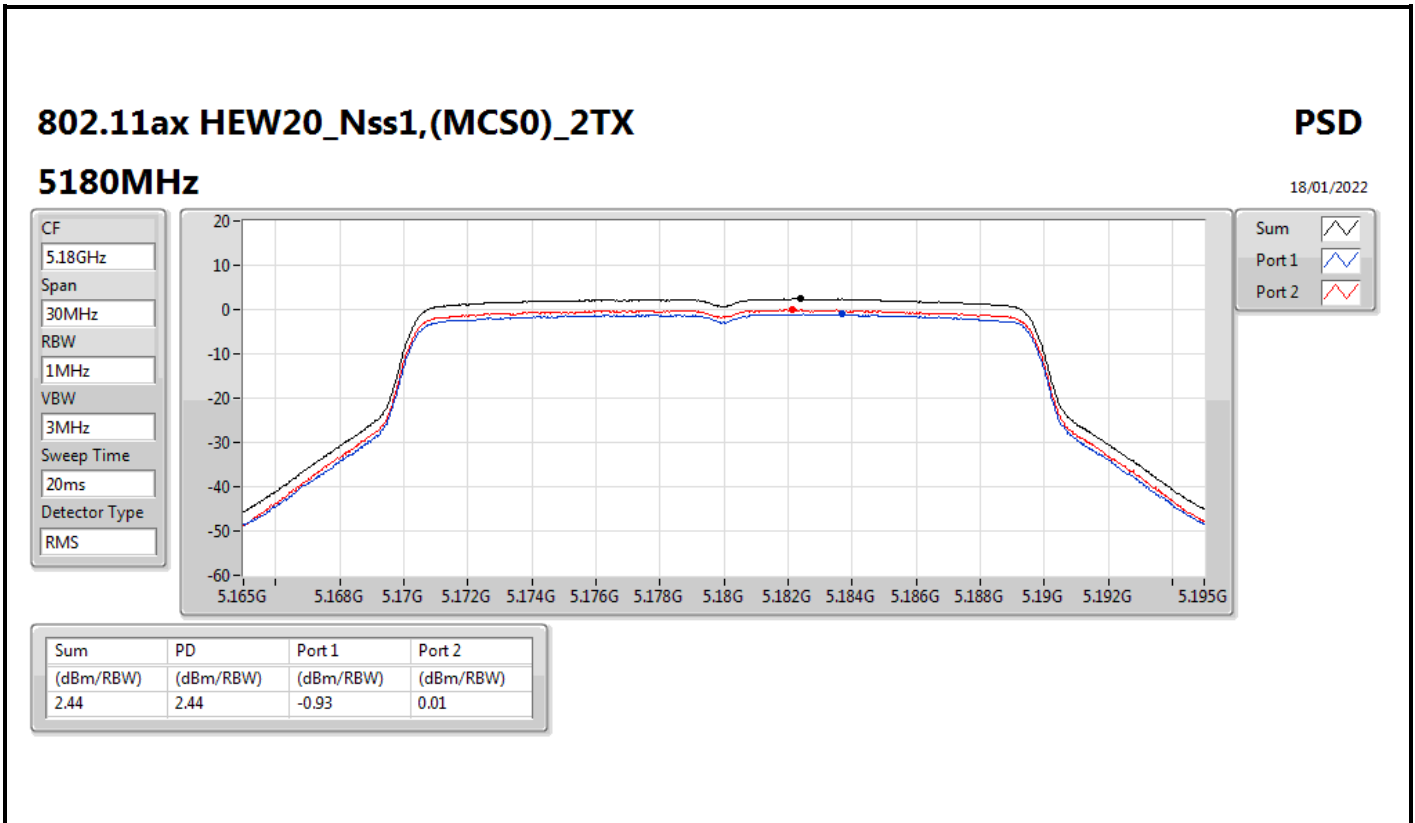
18/01/2022

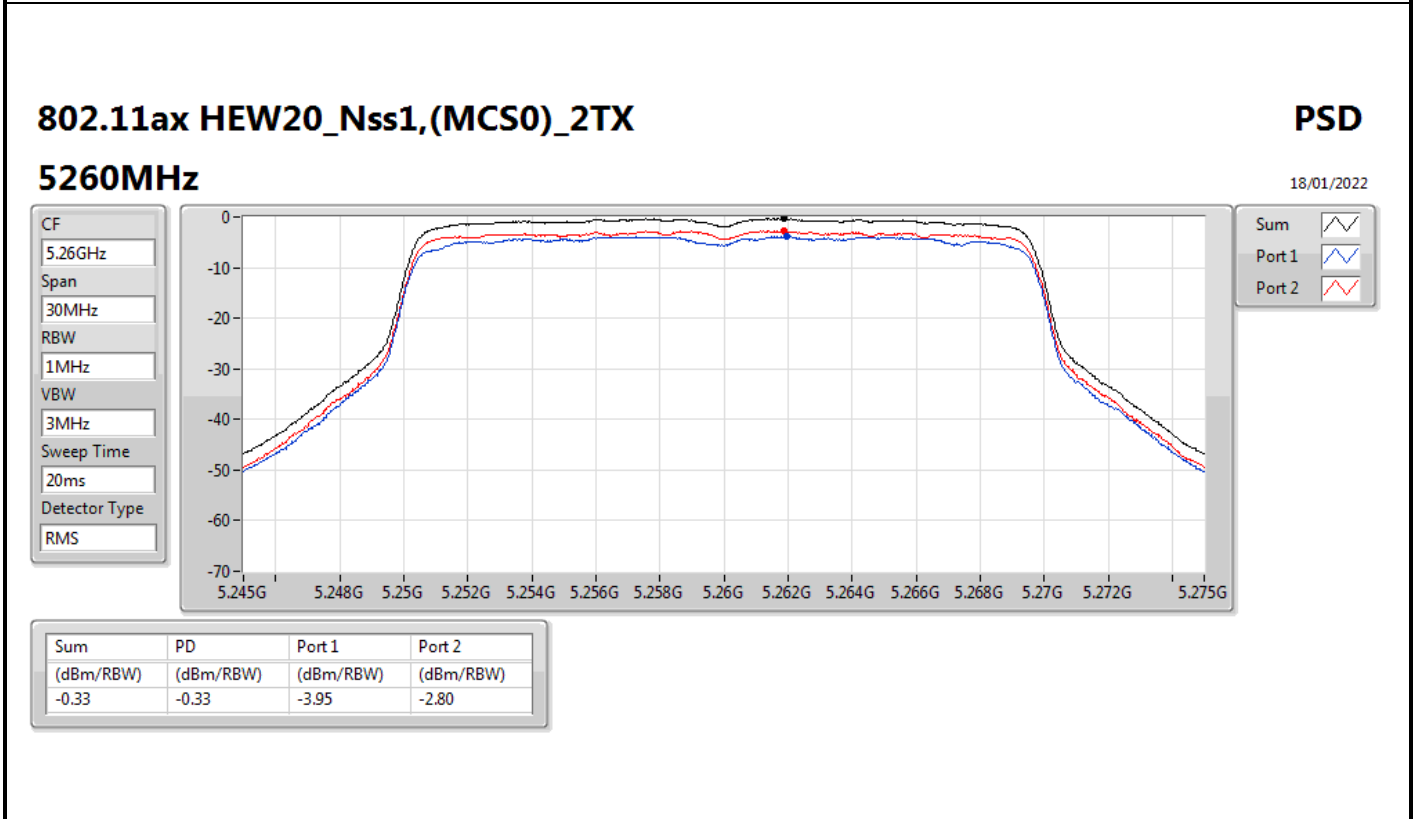
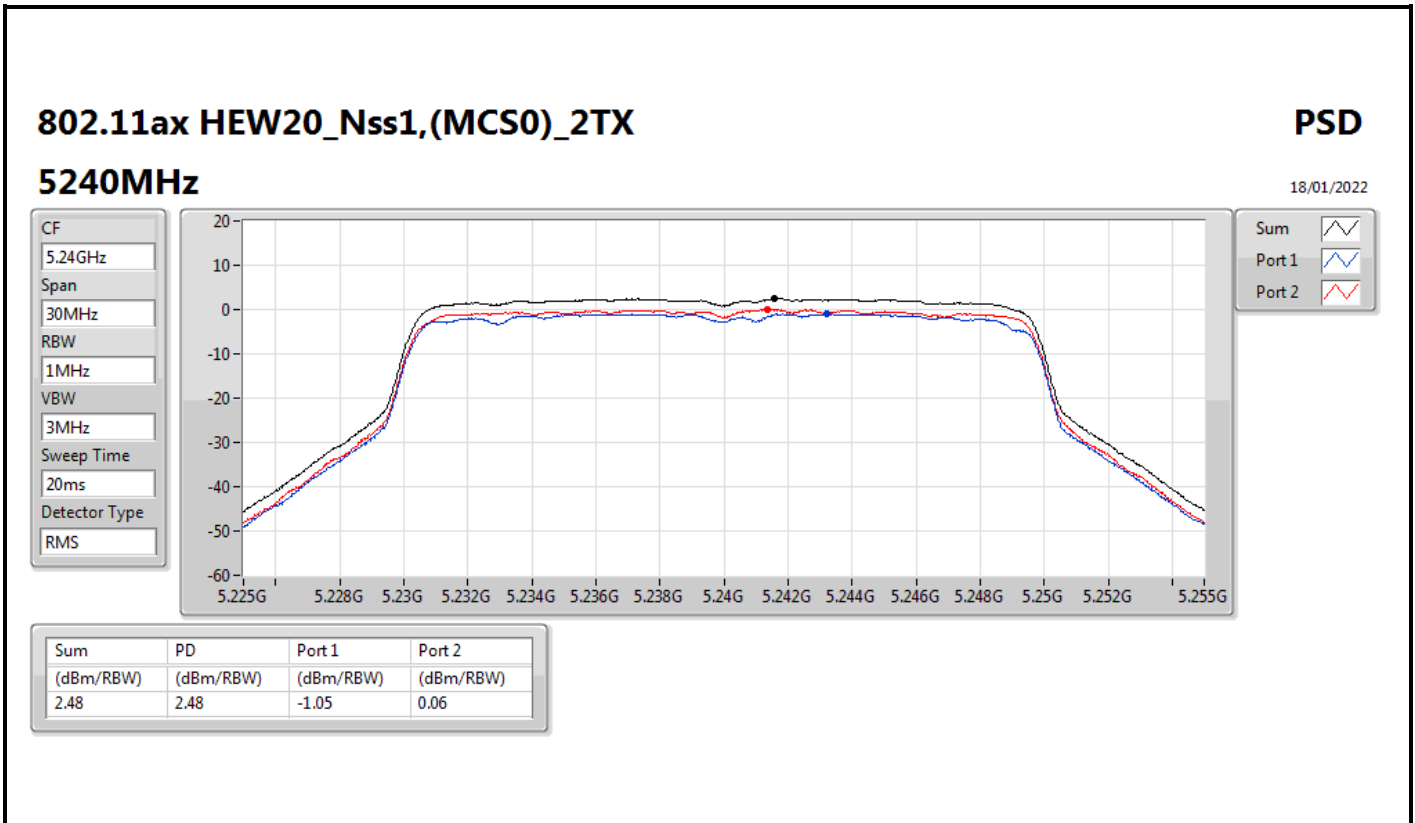
CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.05	8.05	3.85	6.10



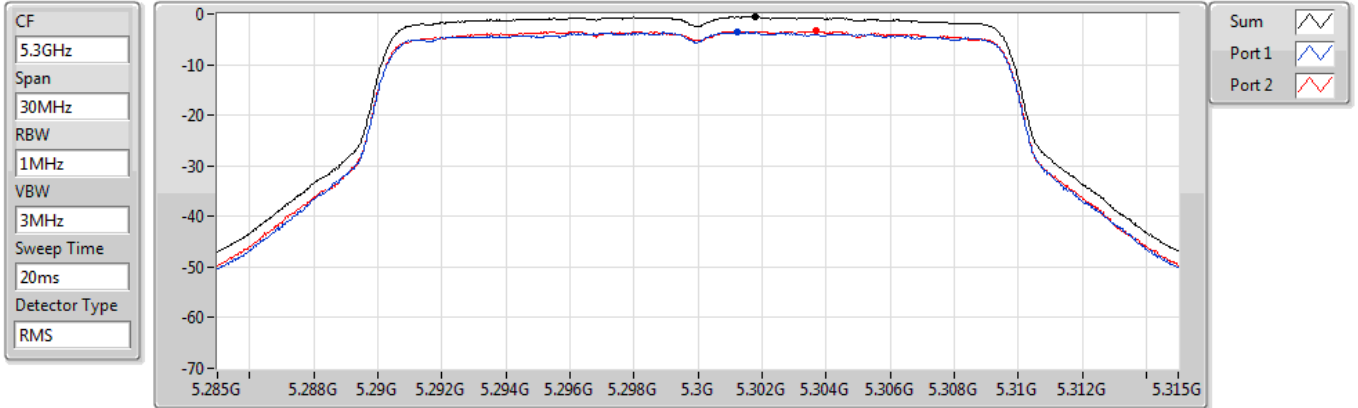


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5300MHz

18/01/2022



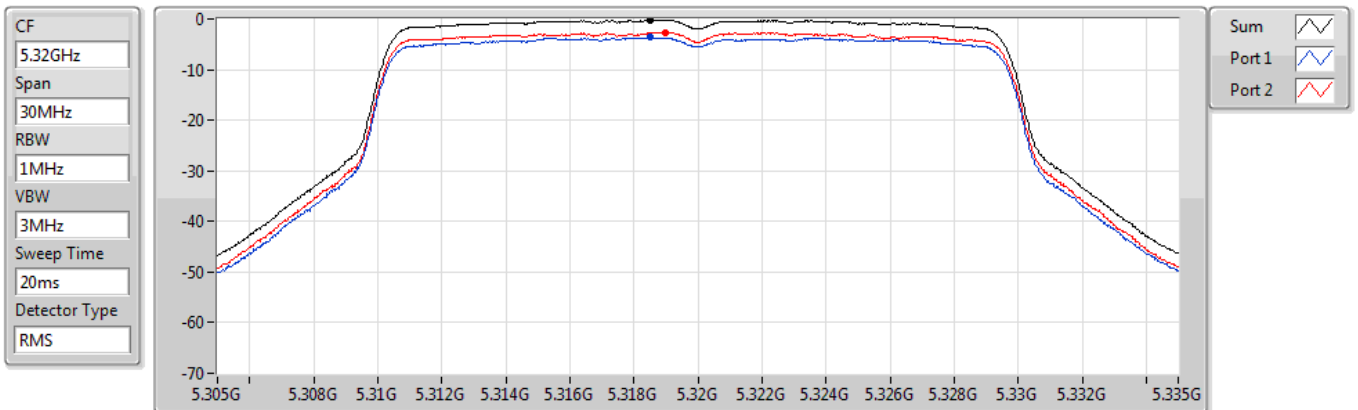
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.55	-0.55	-3.62	-3.39

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5320MHz

18/01/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.18	-0.18	-3.66	-2.62

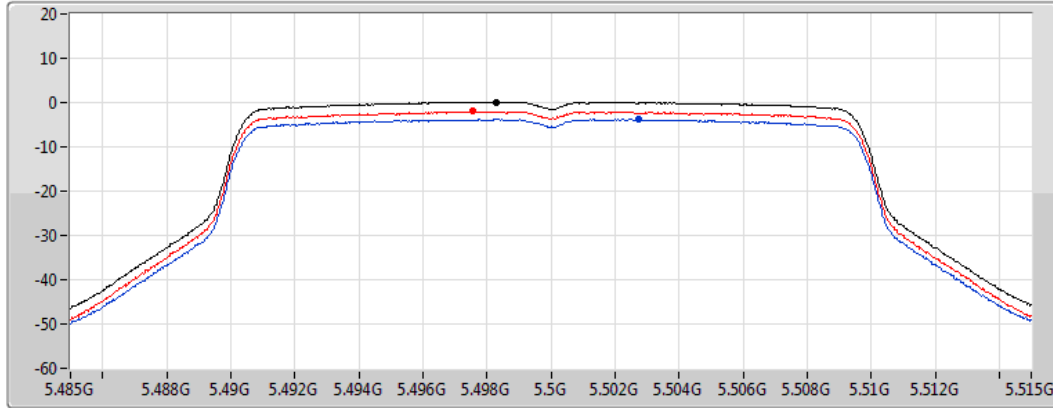
802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5500MHz

18/01/2022

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)
0.14	0.14	-3.80	-2.02

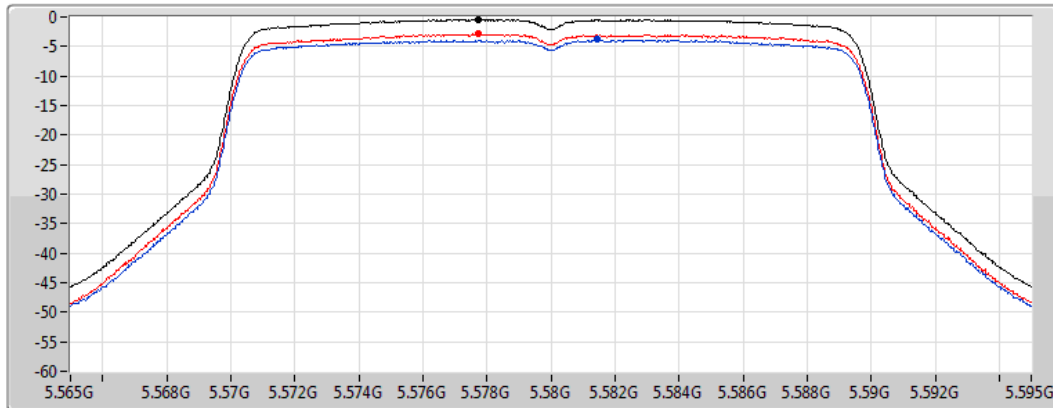
802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5580MHz

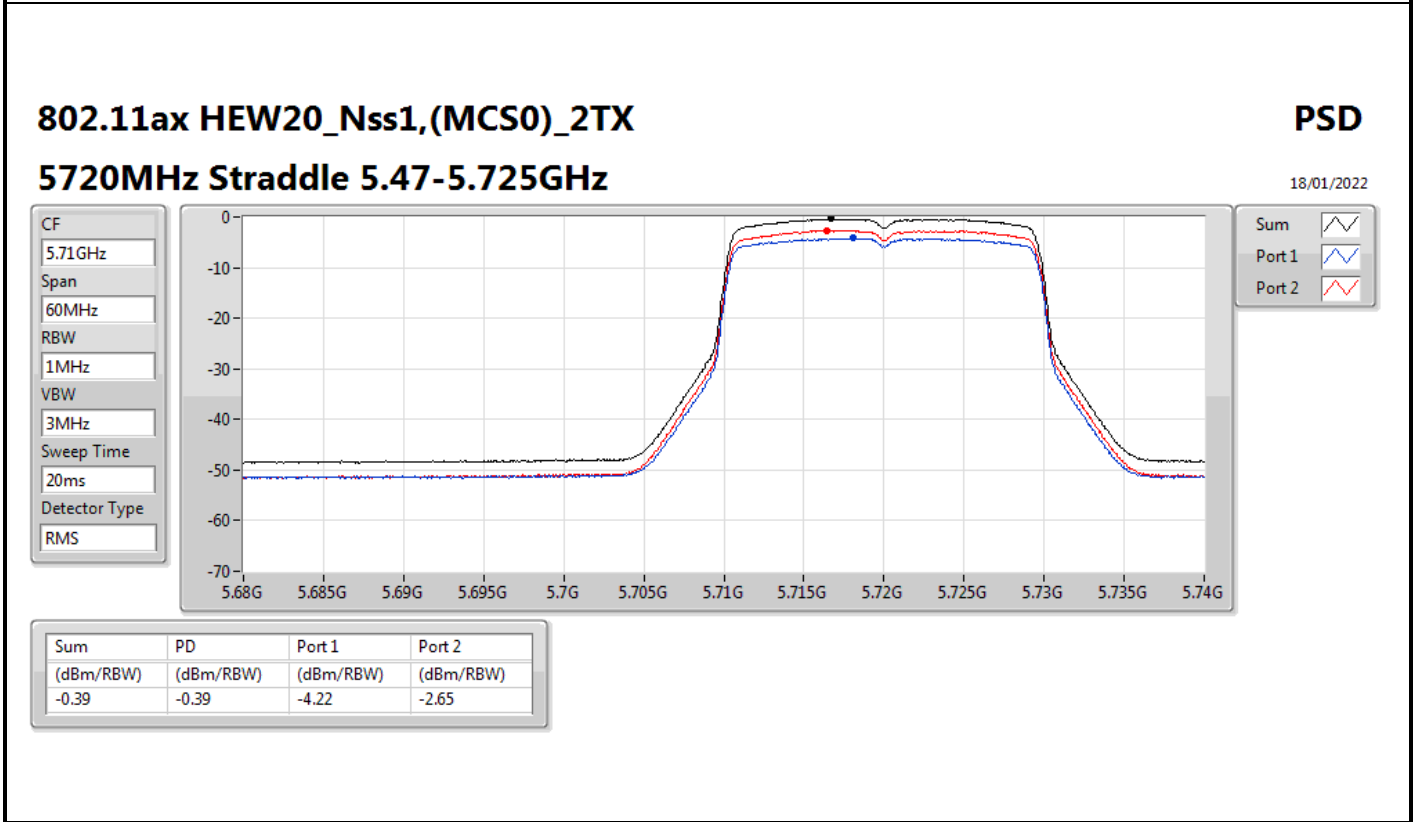
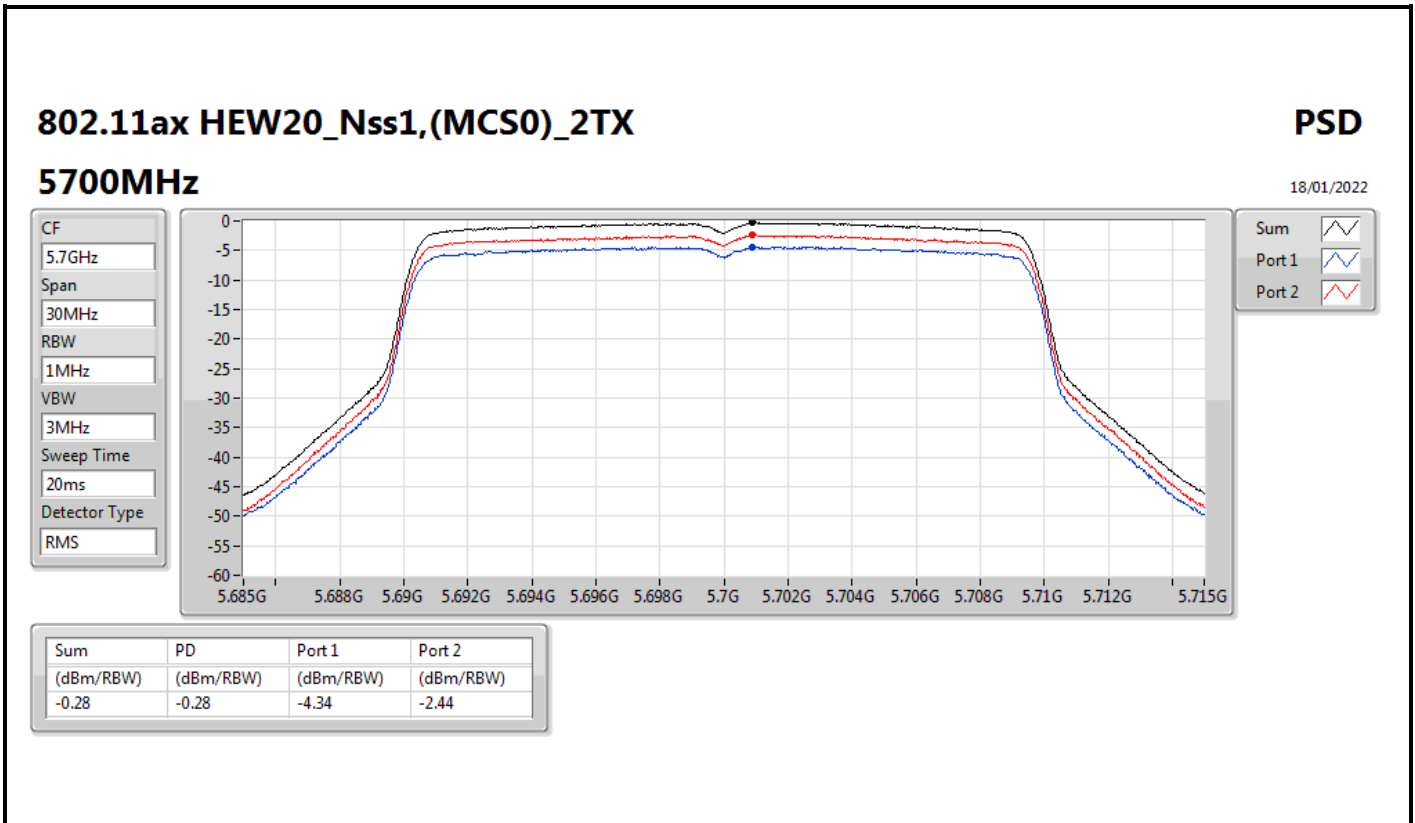
18/01/2022

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)
-0.41	-0.41	-3.85	-2.91

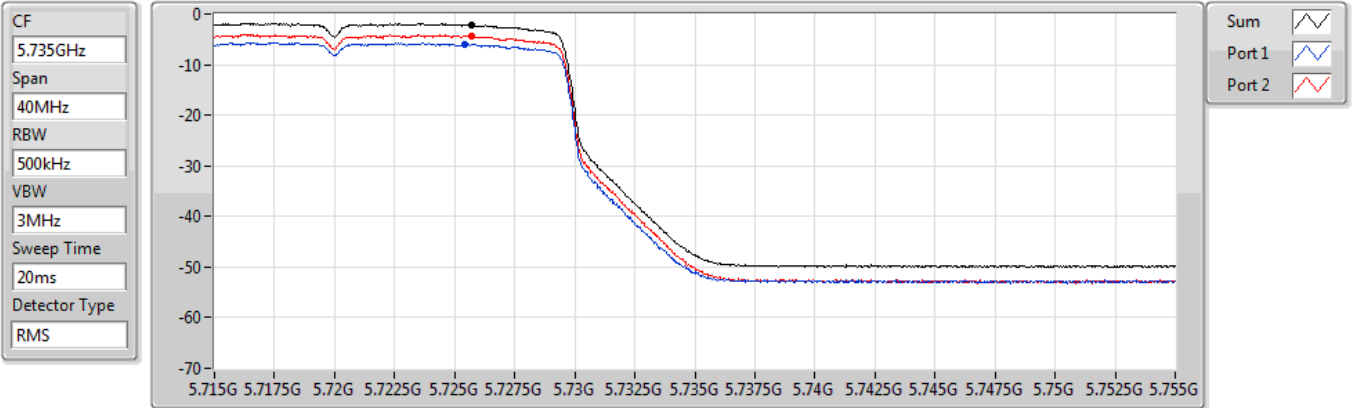


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

18/01/2022



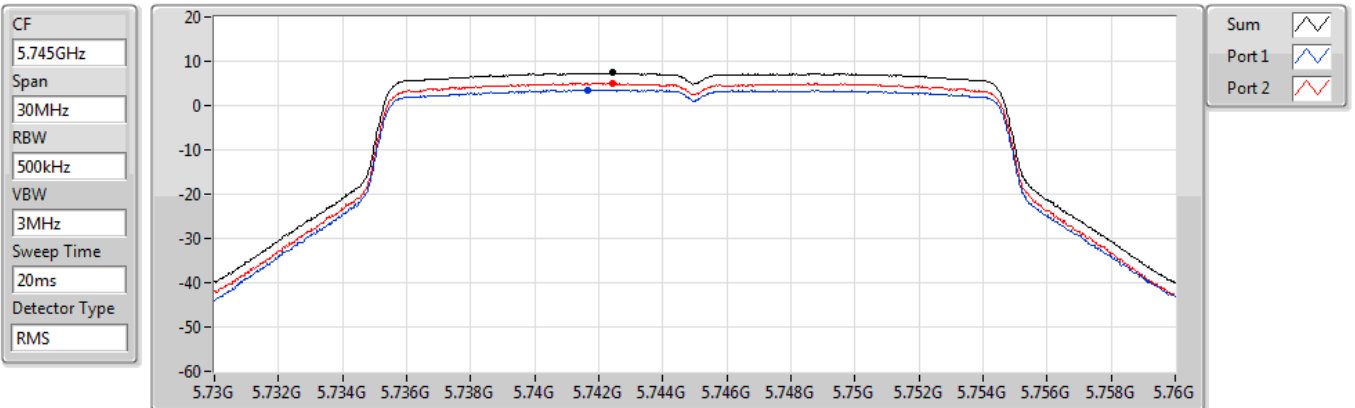
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.14	-2.14	-6.02	-4.39

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5745MHz

18/01/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.37	7.37	3.53	5.07

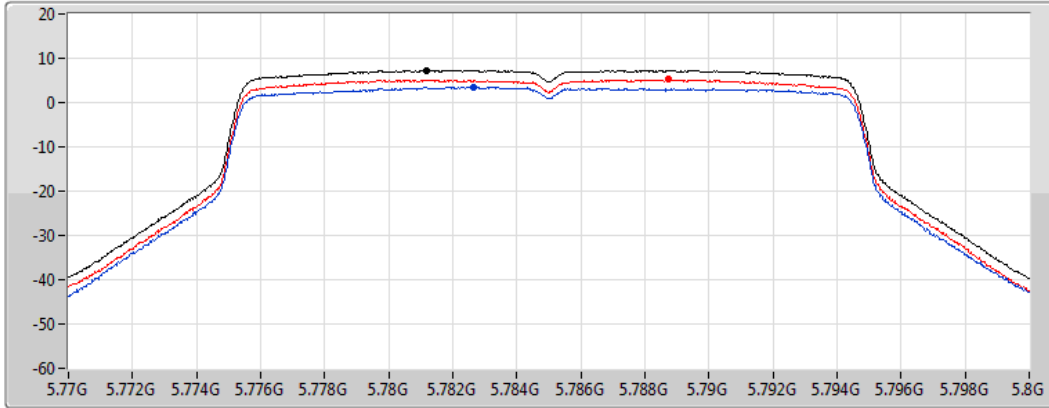
802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5785MHz

18/01/2022

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)
7.33	7.33	3.49	5.23

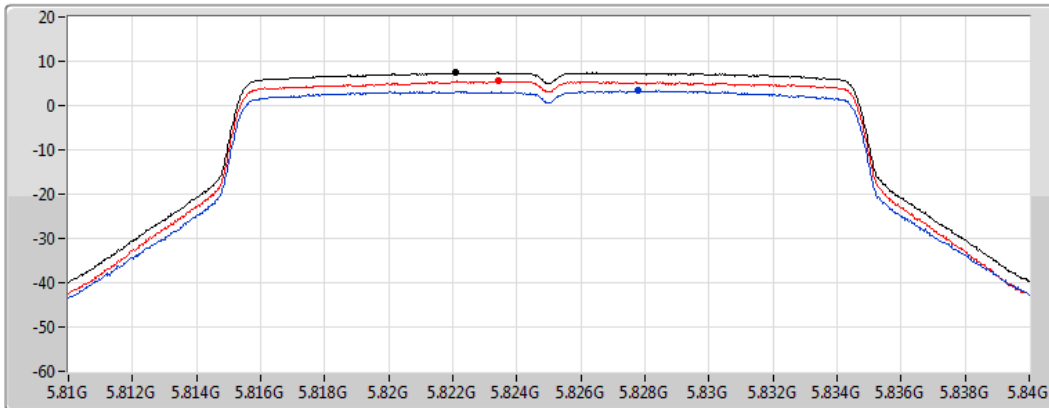
802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5825MHz

18/01/2022

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



Sum
Port 1
Port 2

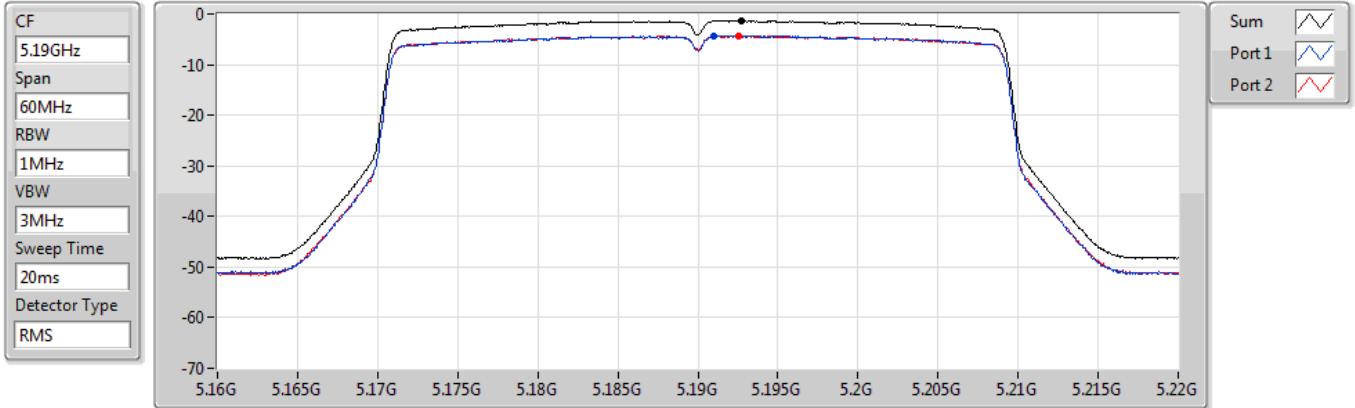
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.43	7.43	3.33	5.54

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5190MHz

18/01/2022



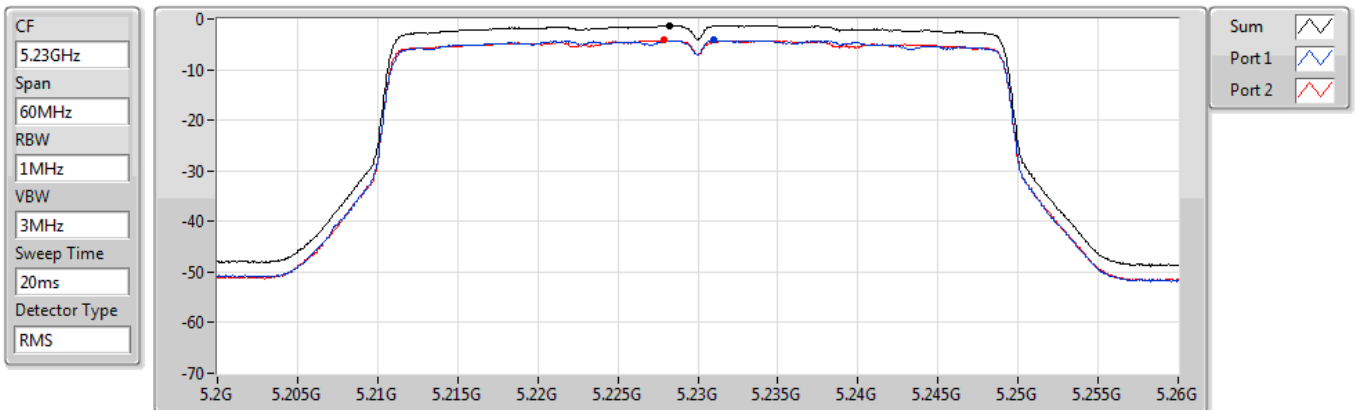
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.30	-1.30	-4.30	-4.24

802.11ax HEW40_Nss1,(MCS0)_2TX

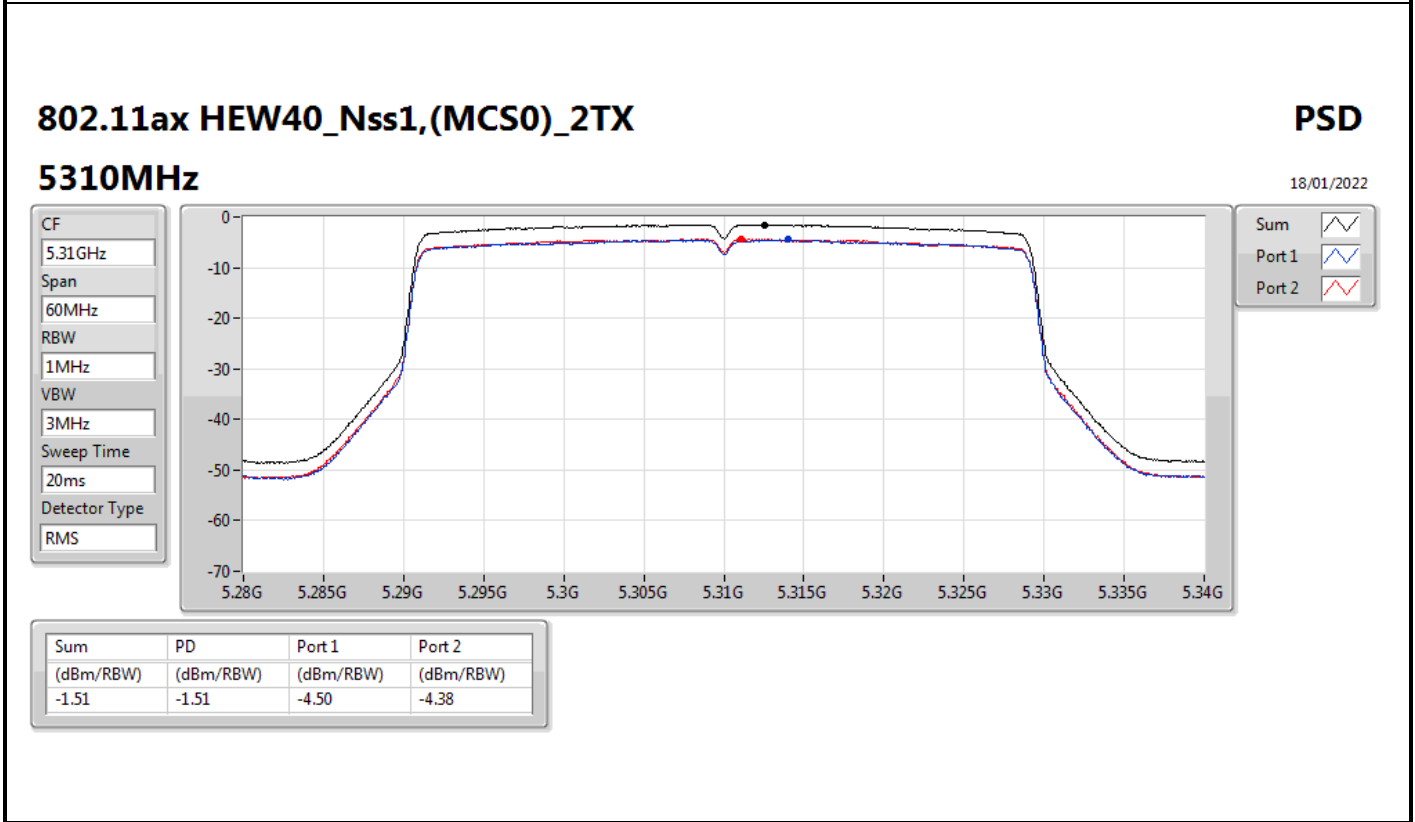
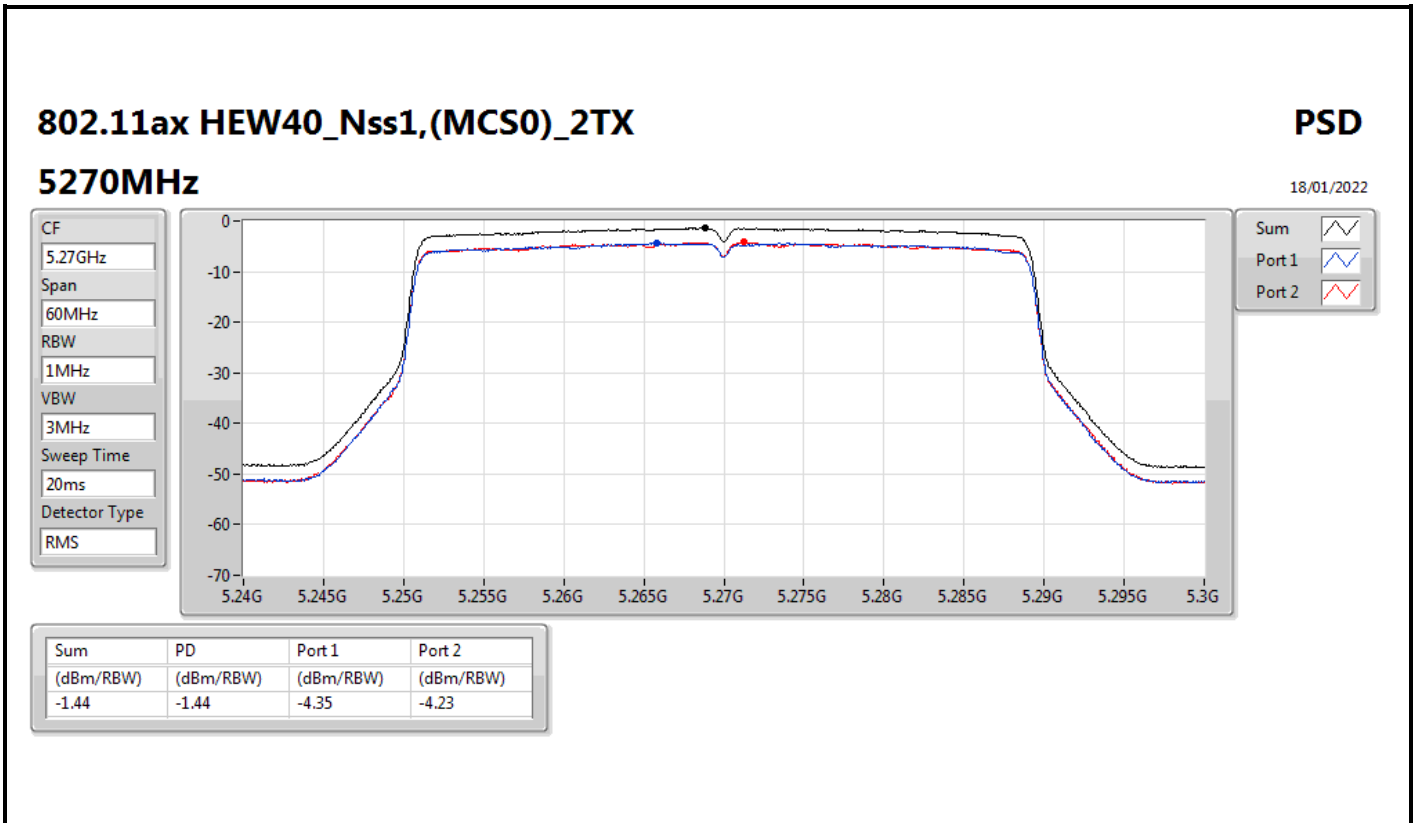
PSD

5230MHz

18/01/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.29	-1.29	-4.15	-4.21

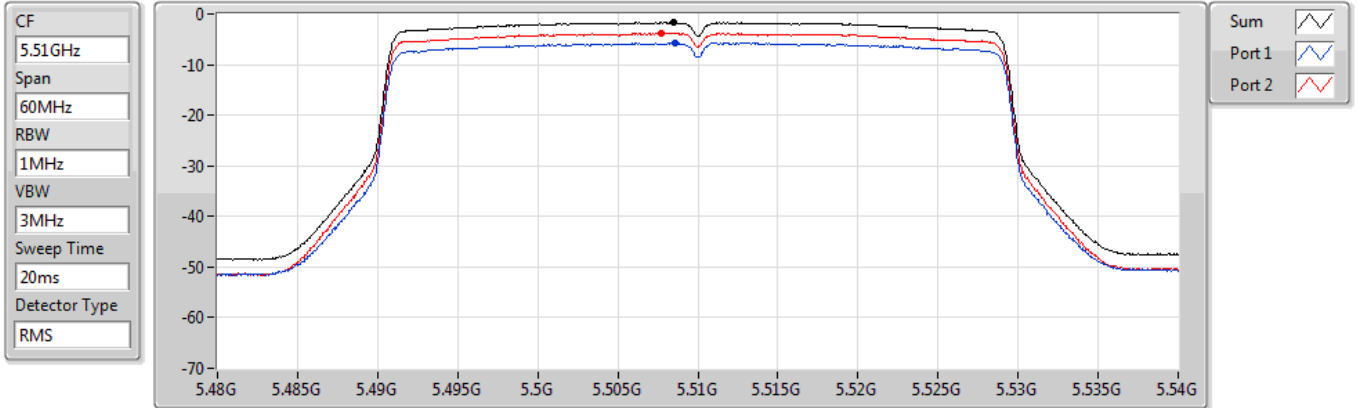


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5510MHz

18/01/2022



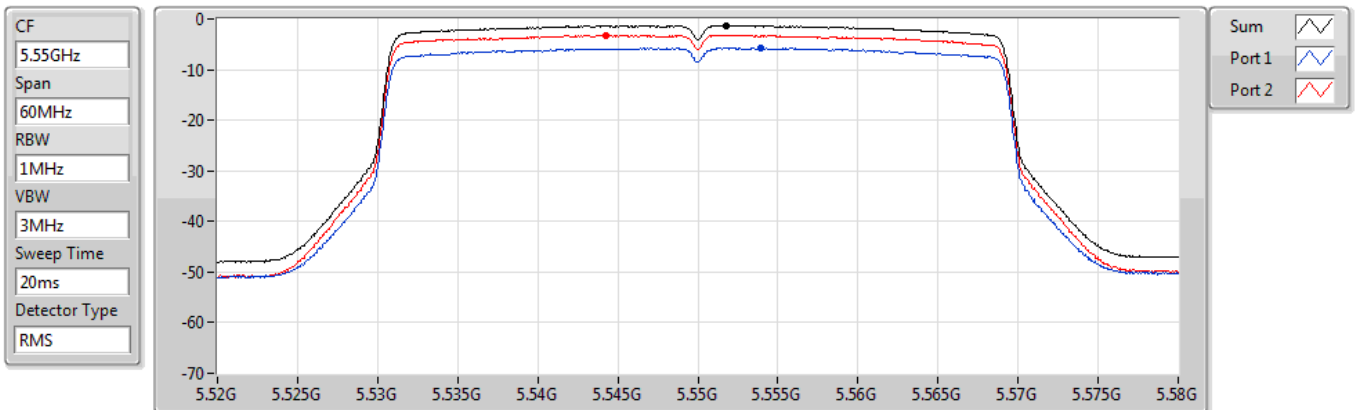
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.68	-1.68	-5.71	-3.82

802.11ax HEW40_Nss1,(MCS0)_2TX

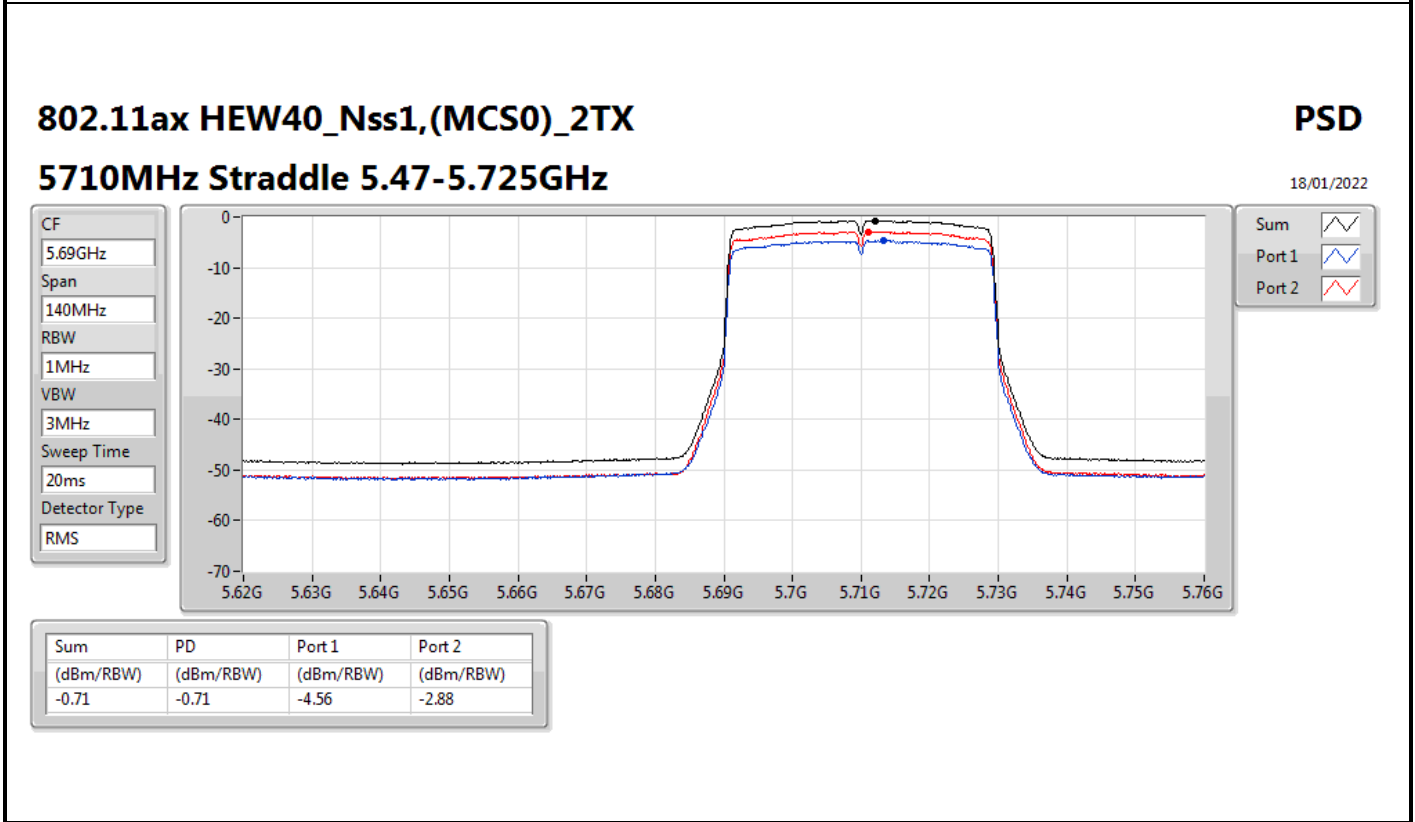
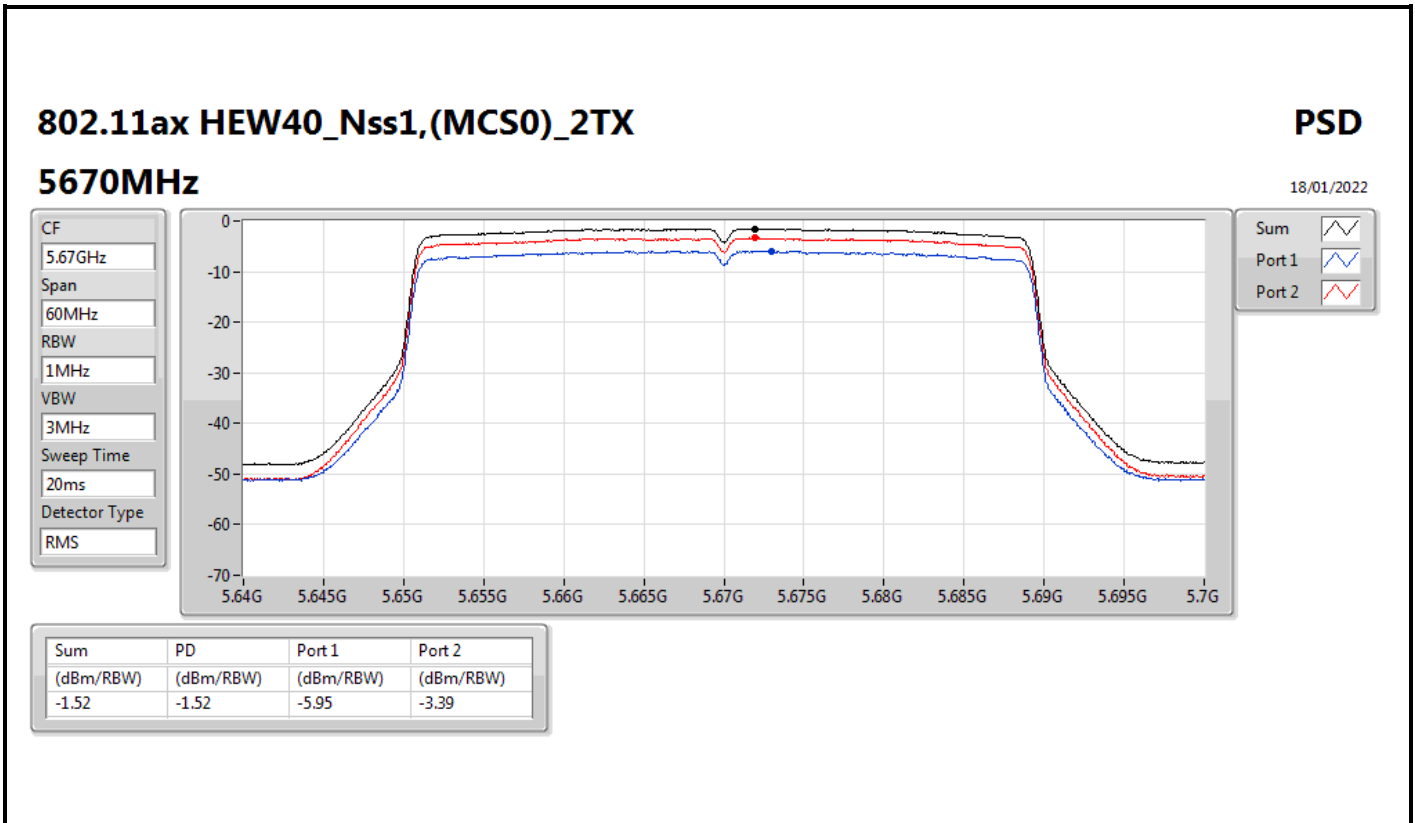
PSD

5550MHz

18/01/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.27	-1.27	-5.69	-3.15

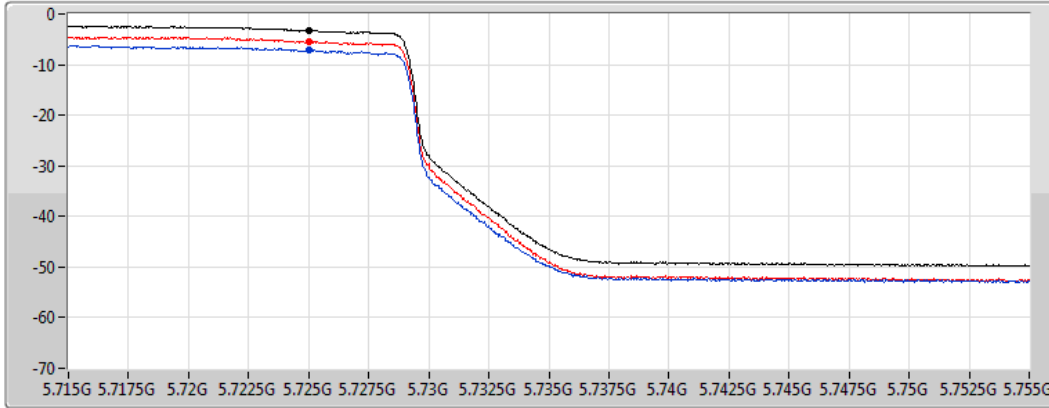





802.11ax HEW40_Nss1,(MCS0)_2TX
5710MHz Straddle 5.725-5.85GHz

PSD

18/01/2022

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



Sum 
 Port 1 
 Port 2 

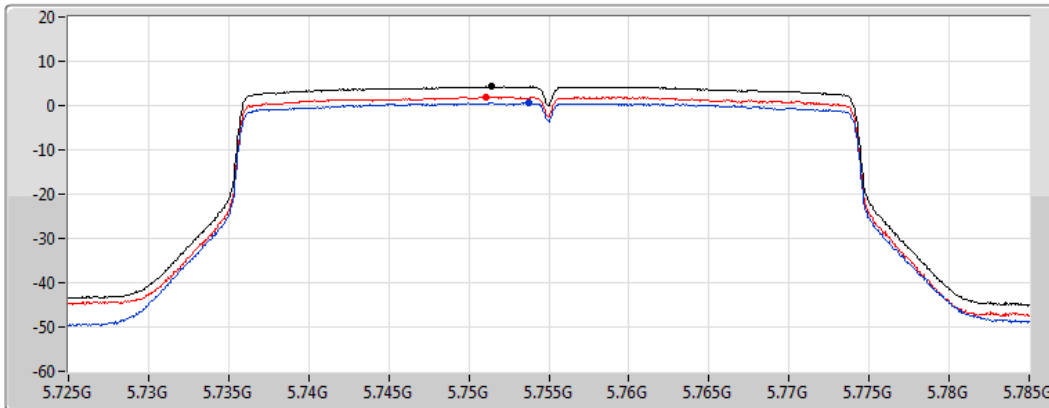
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.25	-3.25	-7.11	-5.46




802.11ax HEW40_Nss1,(MCS0)_2TX
5755MHz

PSD

18/01/2022

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)
4.28	4.28	0.62	1.94

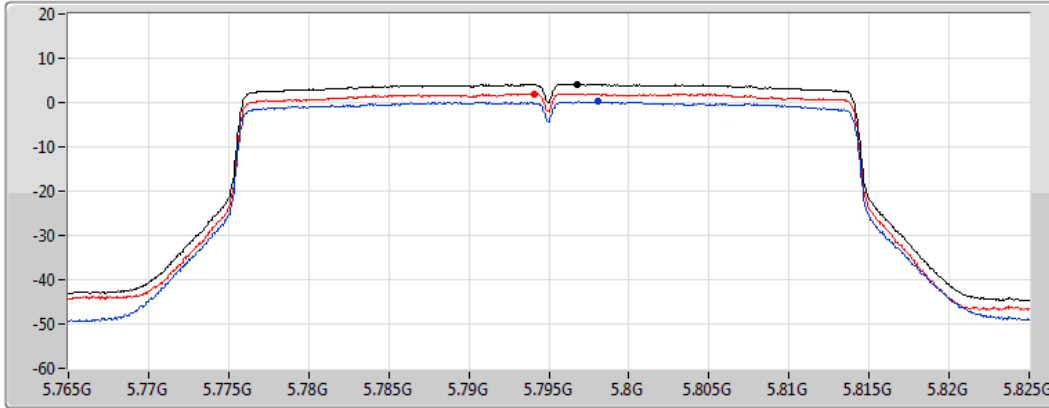
802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5795MHz

18/01/2022

CF
5.795GHz
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)
4.18	4.18	0.23	2.03

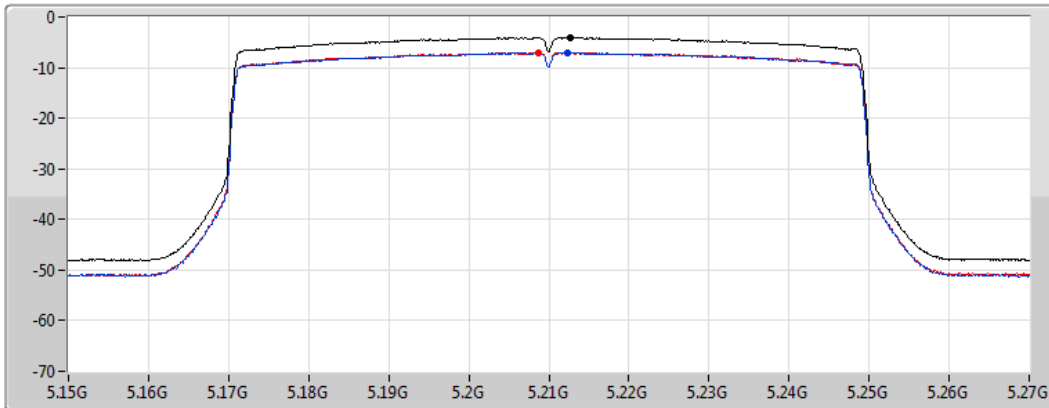
802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5210MHz

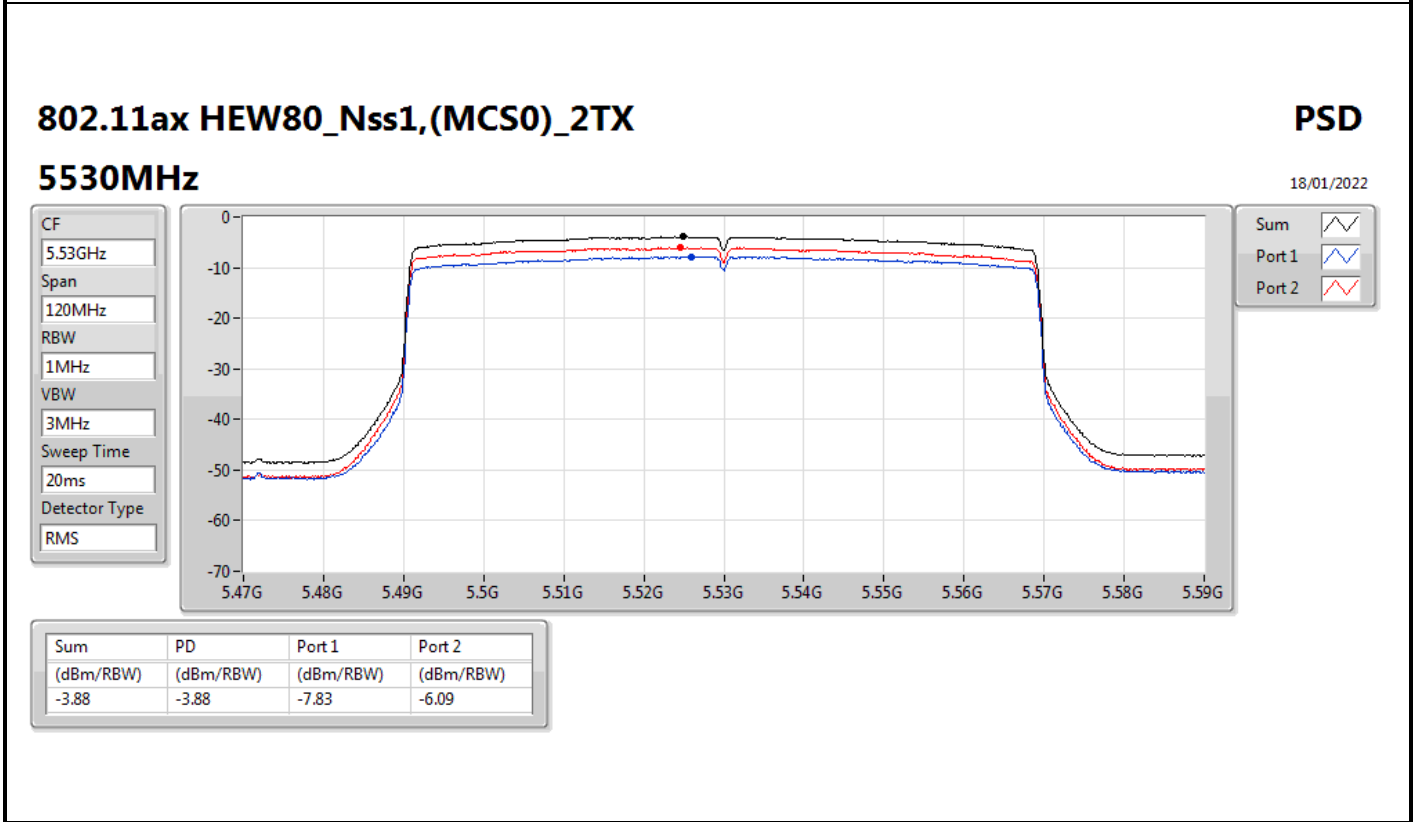
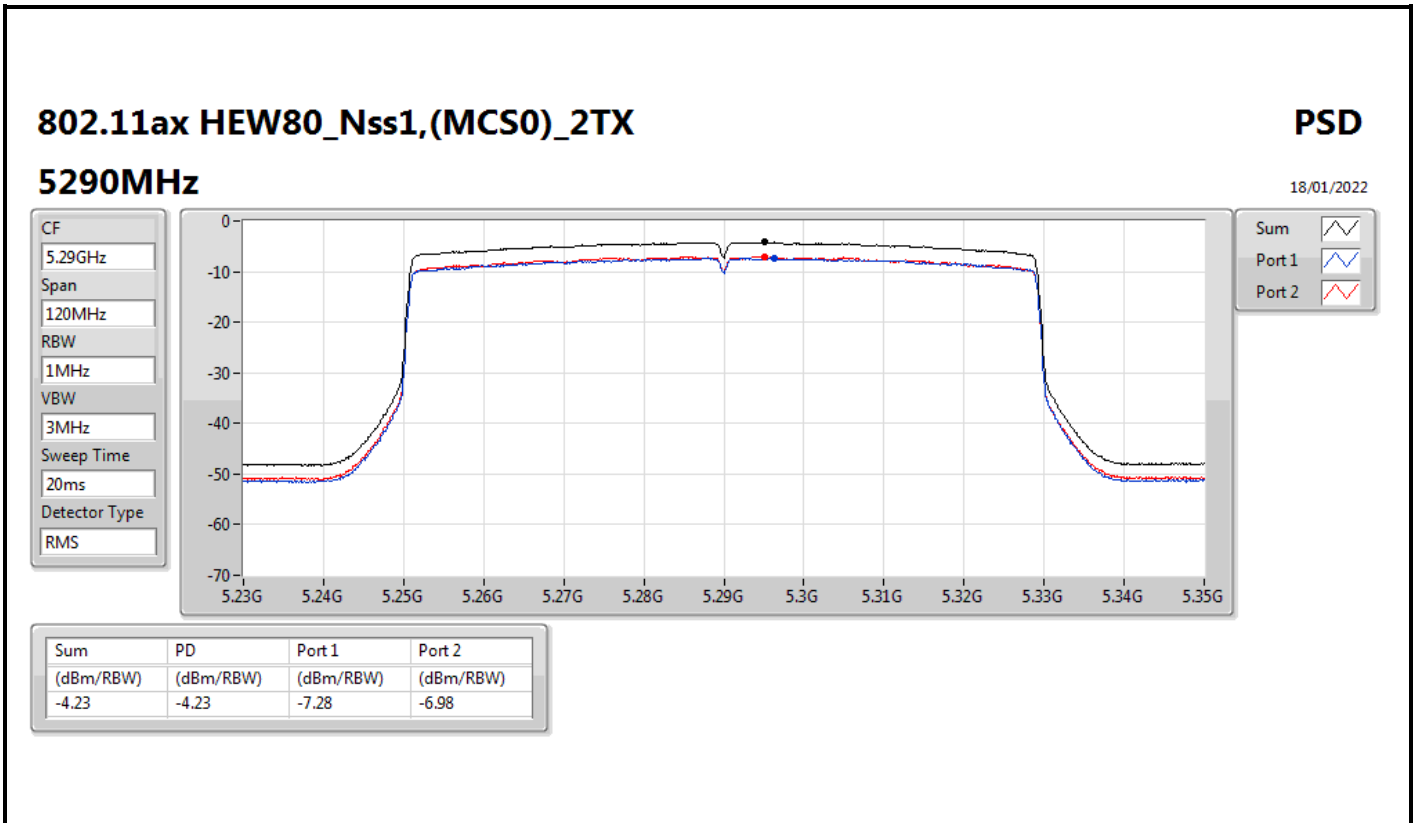
18/01/2022

CF
5.21GHz
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)
-4.03	-4.03	-6.99	-7.07

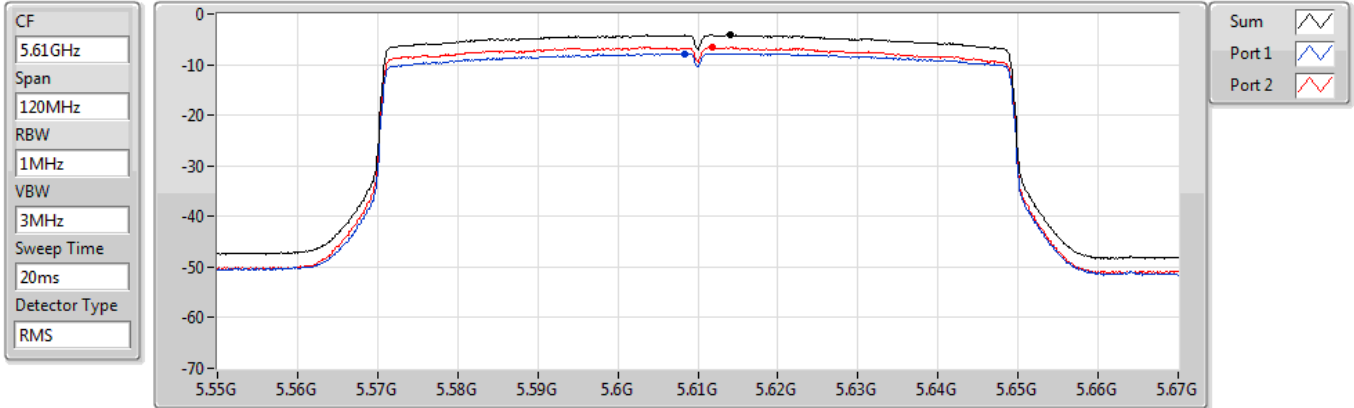


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5610MHz

18/01/2022



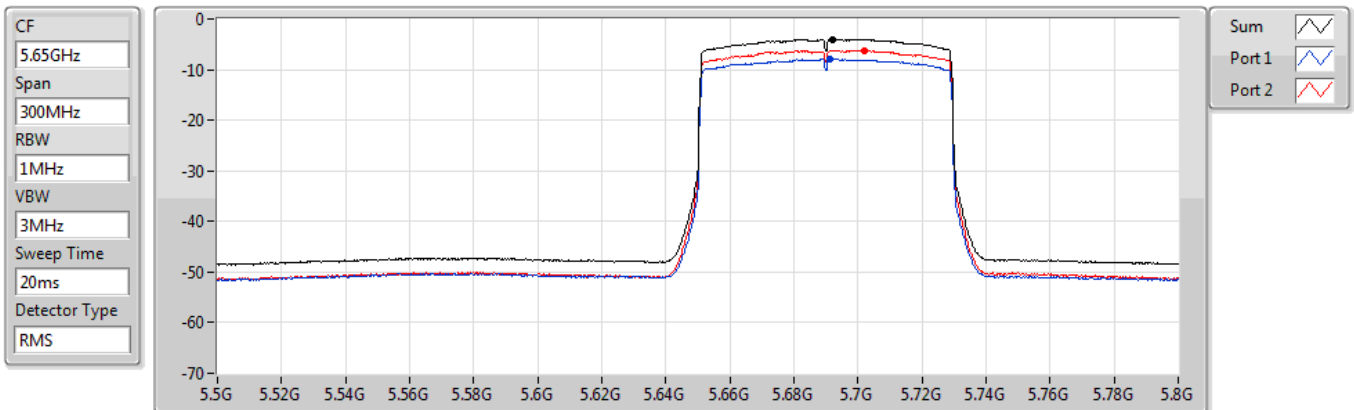
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.15	-4.15	-7.80	-6.53

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

18/01/2022



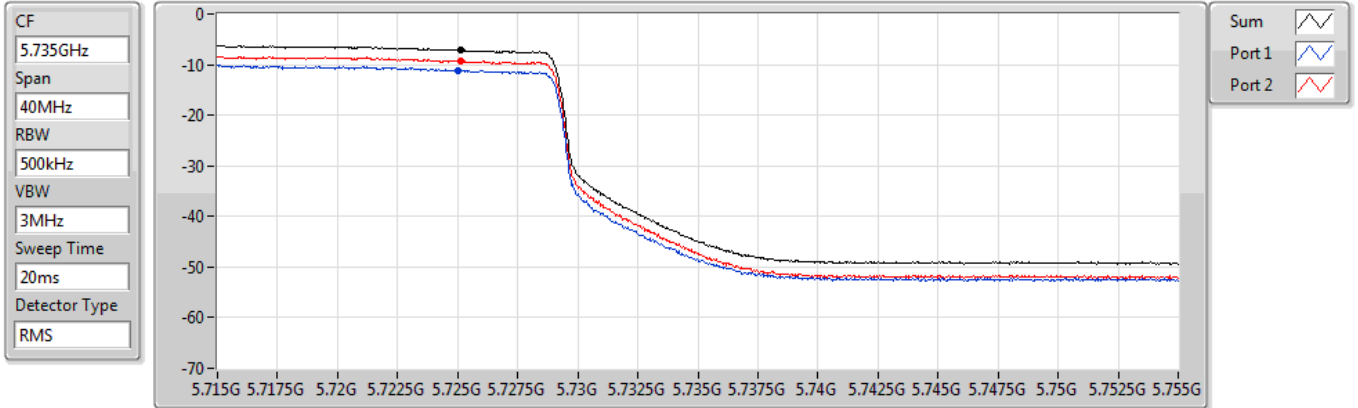
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.01	-4.01	-7.94	-6.16

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

18/01/2022

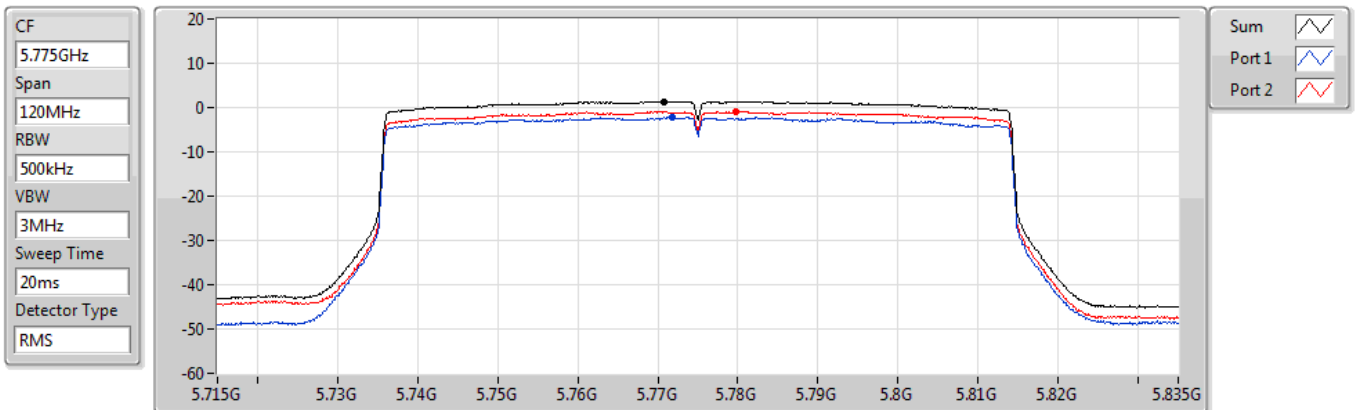


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5775MHz

18/01/2022





Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	1.27	7.24
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-1.75	4.22
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-5.00	0.97
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-1.27	15.63
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-4.50	12.40
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-7.80	9.10
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-0.72	15.82
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-3.63	12.91
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-6.60	9.94
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	4.42	19.97
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	1.74	17.29
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-2.15	13.40

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)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.97	-1.74	-2.24	1.02	17.00	6.99	23.00
5200MHz	Pass	5.97	-1.56	-1.79	1.22	17.00	7.19	23.00
5240MHz	Pass	5.97	-1.48	-1.87	1.27	17.00	7.24	23.00
5260MHz	Pass	16.90	-4.51	-4.84	-1.74	0.10	15.16	17.00
5300MHz	Pass	16.90	-3.99	-4.46	-1.27	0.10	15.63	17.00
5320MHz	Pass	16.90	-4.32	-4.94	-1.64	0.10	15.26	17.00
5500MHz	Pass	16.54	-3.67	-4.51	-1.14	0.46	15.40	17.00
5580MHz	Pass	16.54	-4.35	-4.61	-1.68	0.46	14.86	17.00
5700MHz	Pass	16.54	-3.11	-4.30	-0.74	0.46	15.80	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	16.54	-3.61	-3.84	-0.72	0.46	15.82	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	15.55	-5.13	-5.73	-2.46	20.45	13.09	36.00
5745MHz	Pass	15.55	1.70	1.63	4.42	20.45	19.97	36.00
5785MHz	Pass	15.55	2.01	0.65	4.27	20.45	19.82	36.00
5825MHz	Pass	15.55	2.24	0.50	4.34	20.45	19.89	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.97	-5.87	-6.31	-3.13	17.00	2.84	23.00
5230MHz	Pass	5.97	-4.57	-4.74	-1.75	17.00	4.22	23.00
5270MHz	Pass	16.90	-7.74	-7.97	-4.93	0.10	11.97	17.00
5310MHz	Pass	16.90	-7.15	-7.80	-4.50	0.10	12.40	17.00
5510MHz	Pass	16.54	-8.97	-9.54	-6.36	0.46	10.18	17.00
5550MHz	Pass	16.54	-6.61	-7.88	-4.38	0.46	12.16	17.00
5670MHz	Pass	16.54	-5.99	-7.30	-3.68	0.46	12.86	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	16.54	-6.20	-6.96	-3.63	0.46	12.91	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	15.55	-7.71	-8.90	-5.28	20.45	10.27	36.00
5755MHz	Pass	15.55	-0.66	-1.69	1.74	20.45	17.29	36.00
5795MHz	Pass	15.55	-0.85	-1.96	1.54	20.45	17.09	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.97	-7.86	-8.16	-5.00	17.00	0.97	23.00
5290MHz	Pass	16.90	-10.49	-10.91	-7.80	0.10	9.10	17.00
5530MHz	Pass	16.54	-9.11	-10.13	-6.75	0.46	9.79	17.00
5610MHz	Pass	16.54	-9.39	-9.56	-6.60	0.46	9.94	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	16.54	-9.23	-10.55	-6.98	0.46	9.56	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	15.55	-11.08	-12.31	-8.74	20.45	6.81	36.00
5775MHz	Pass	15.55	-4.47	-5.81	-2.15	20.45	13.40	36.00

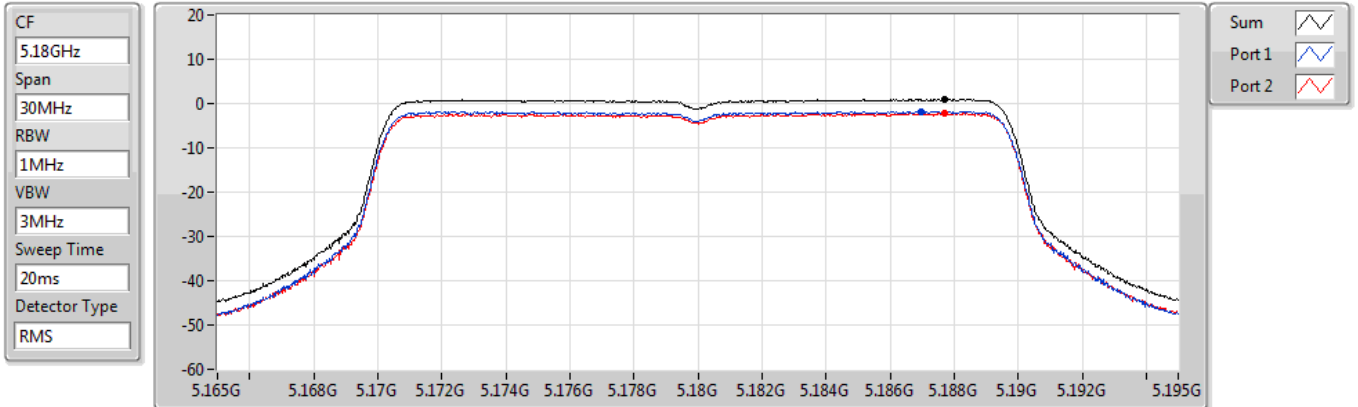
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5180MHz

20/01/2022



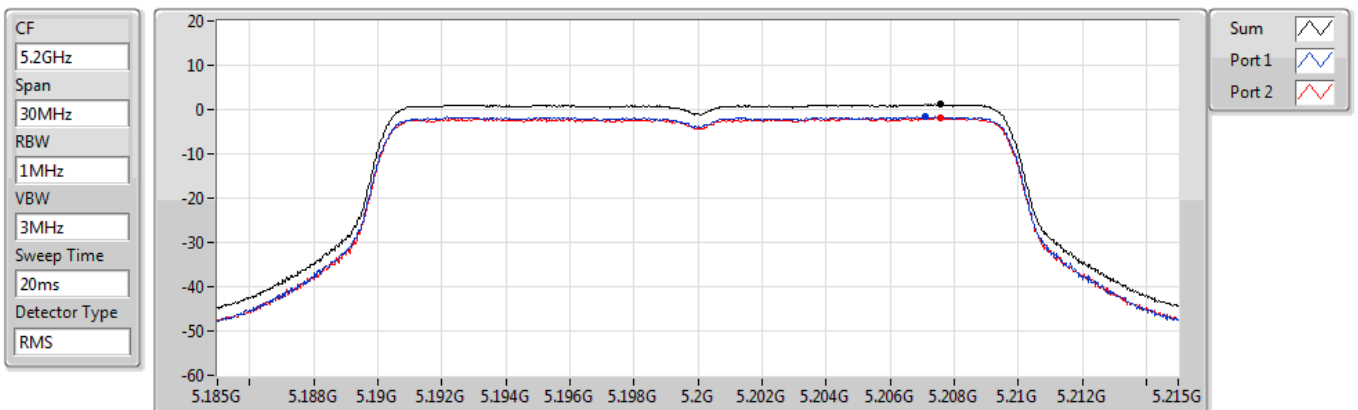
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.02	1.02	-1.74	-2.24

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5200MHz

20/01/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.22	1.22	-1.56	-1.79

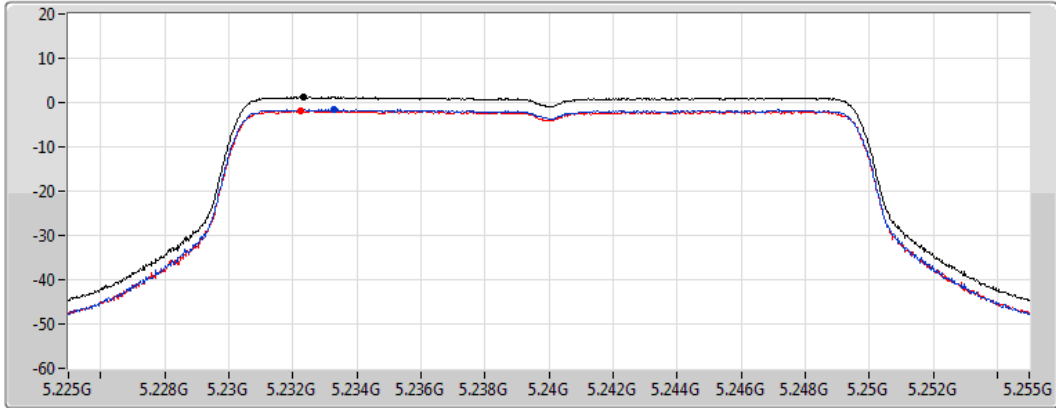
802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5240MHz

20/01/2022

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)
1.27	1.27	-1.48	-1.87

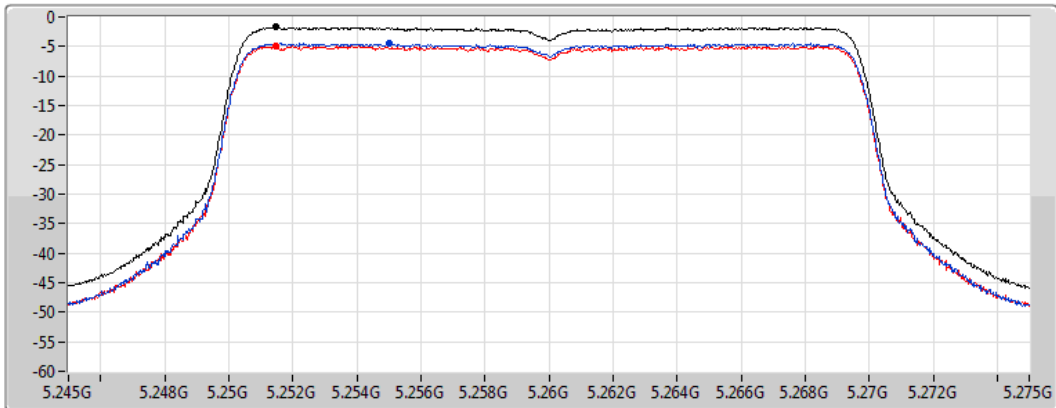
802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5260MHz

20/01/2022

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)
-1.74	-1.74	-4.51	-4.84

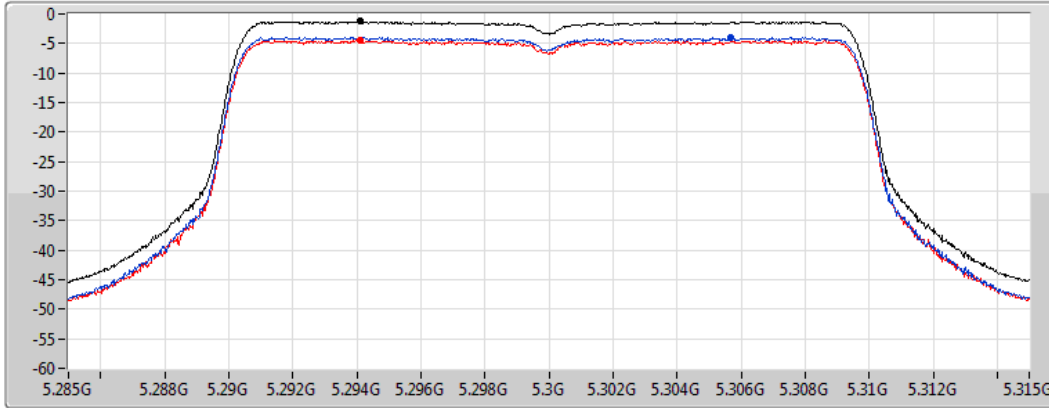
802.11ax HEW20-BF_Nss1,(MCS0)_2TX




PSD

5300MHz

20/01/2022

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)
-1.27	-1.27	-3.99	-4.46

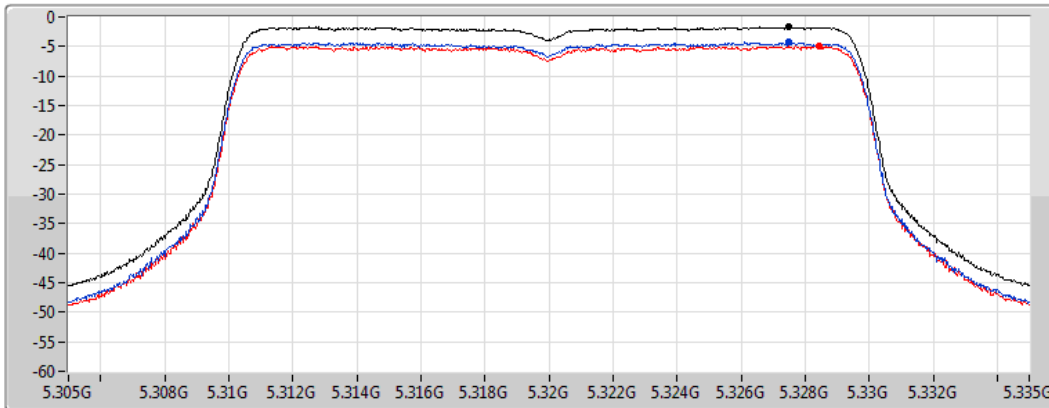
802.11ax HEW20-BF_Nss1,(MCS0)_2TX




PSD

5320MHz

20/01/2022

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)
-1.64	-1.64	-4.32	-4.94

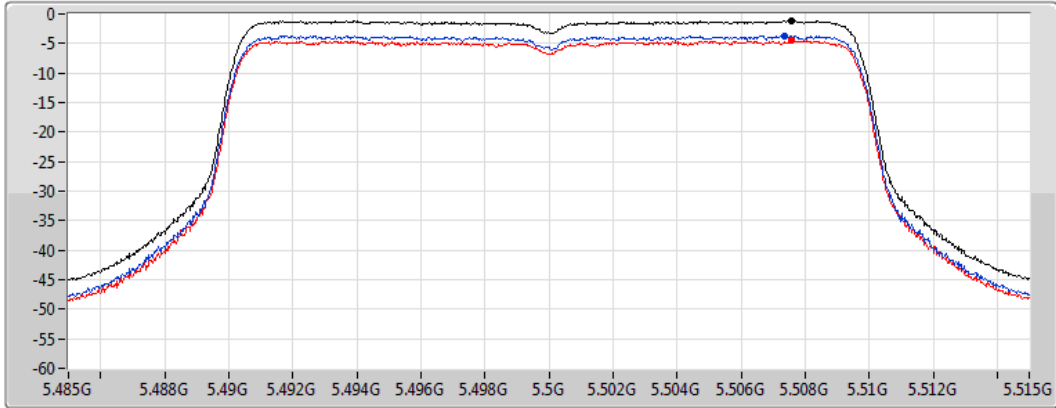
802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5500MHz

20/01/2022

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)
-1.14	-1.14	-3.67	-4.51

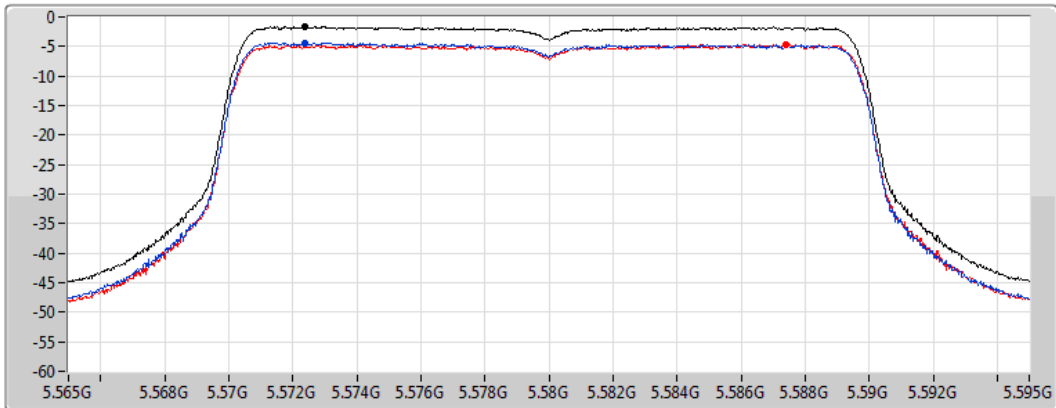
802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5580MHz

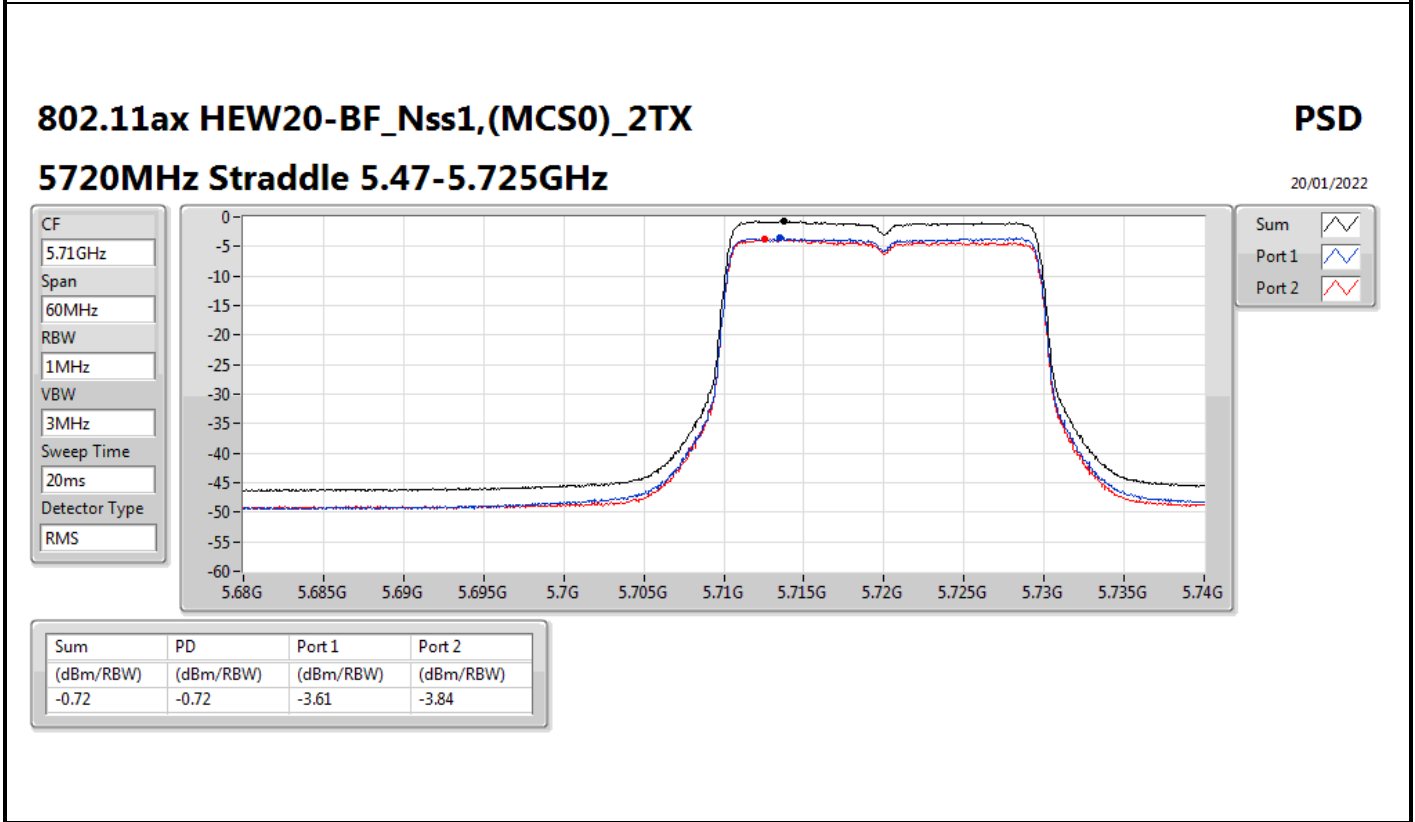
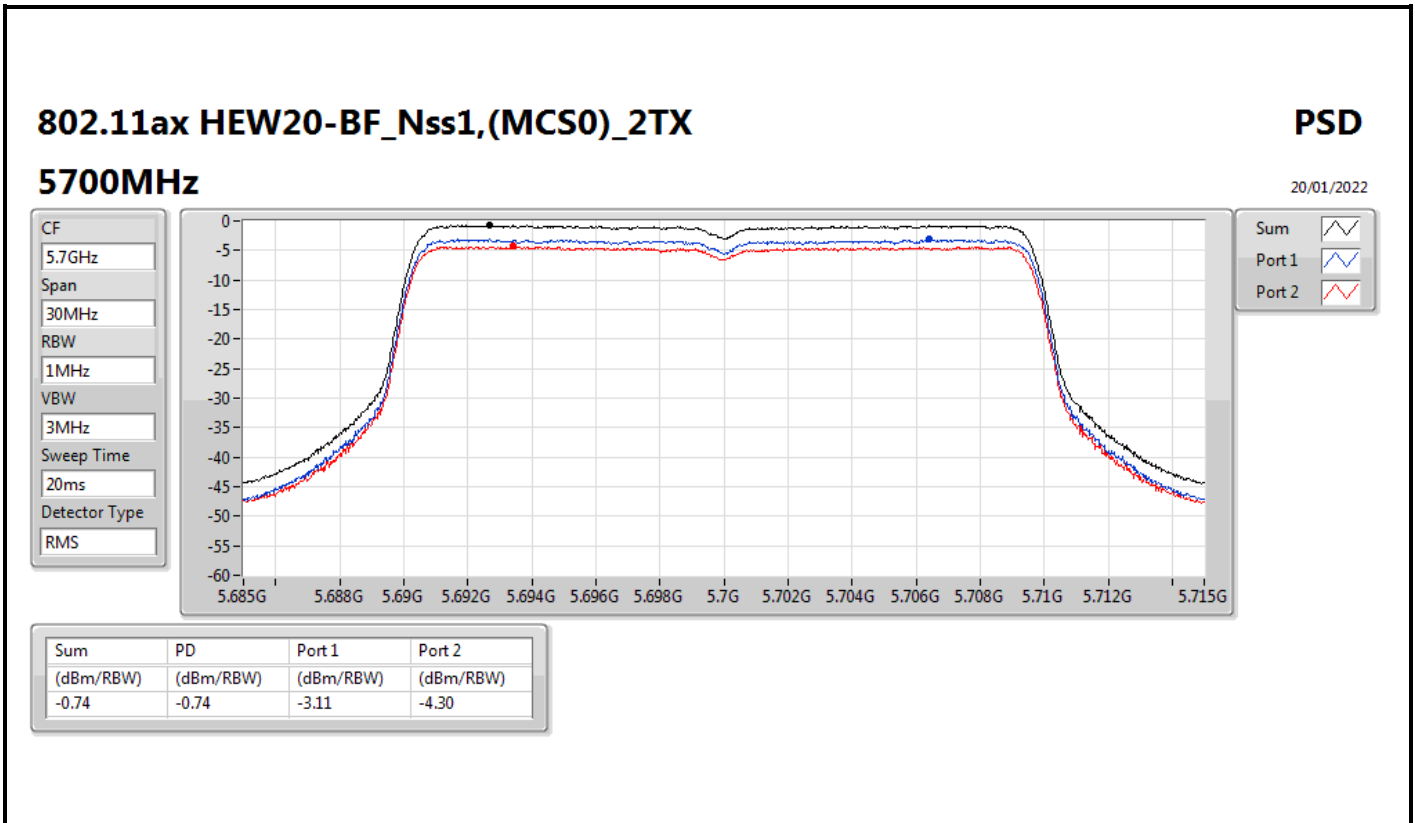
20/01/2022

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)
-1.68	-1.68	-4.35	-4.61

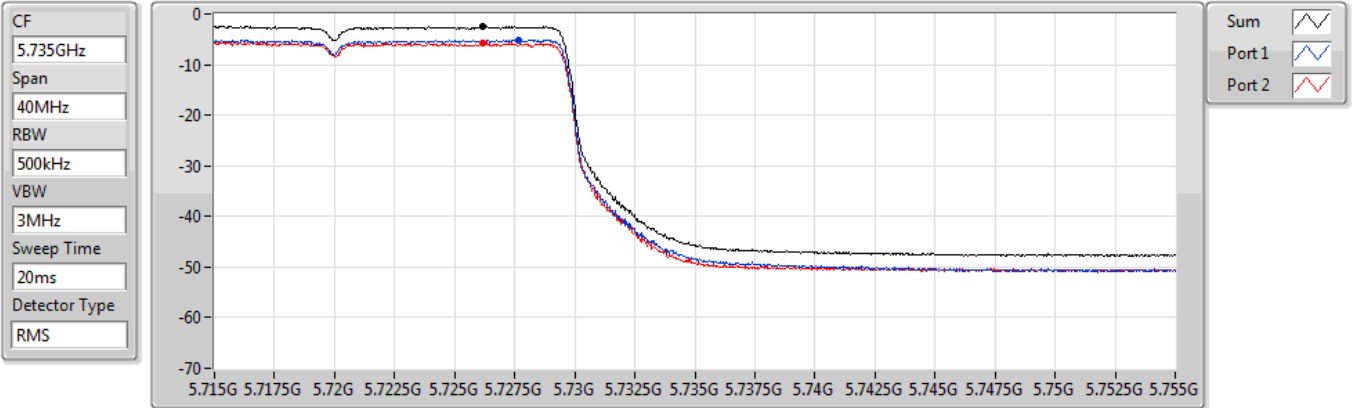


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

20/01/2022

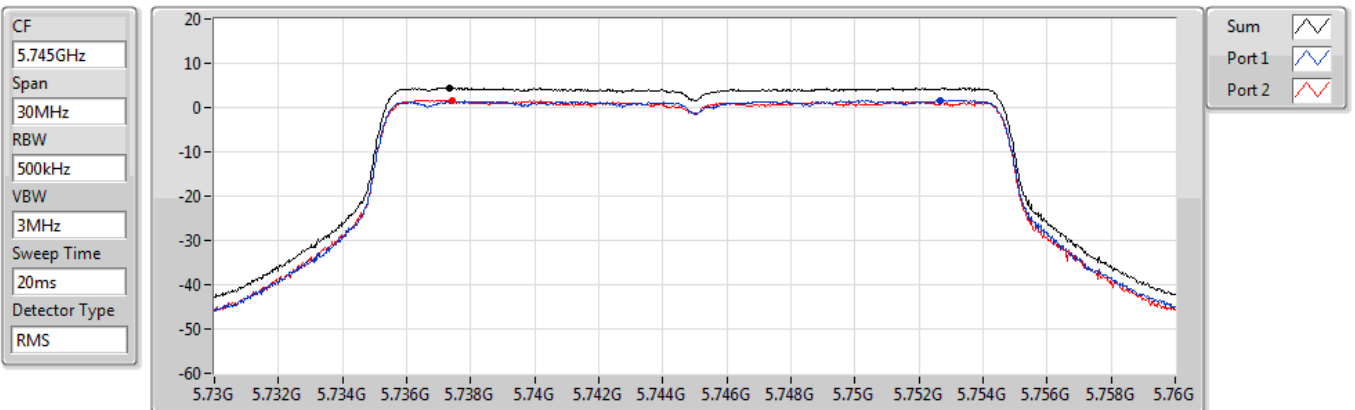


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5745MHz

20/01/2022



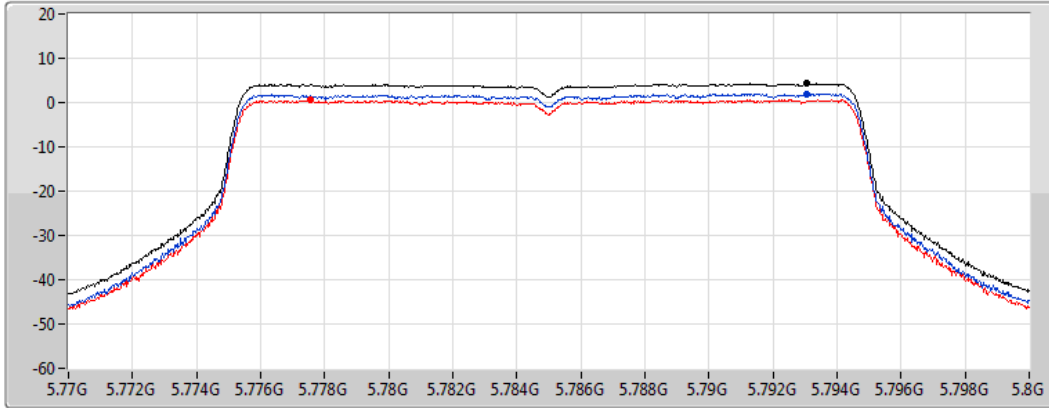
802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5785MHz

20/01/2022

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)
4.27	4.27	2.01	0.65

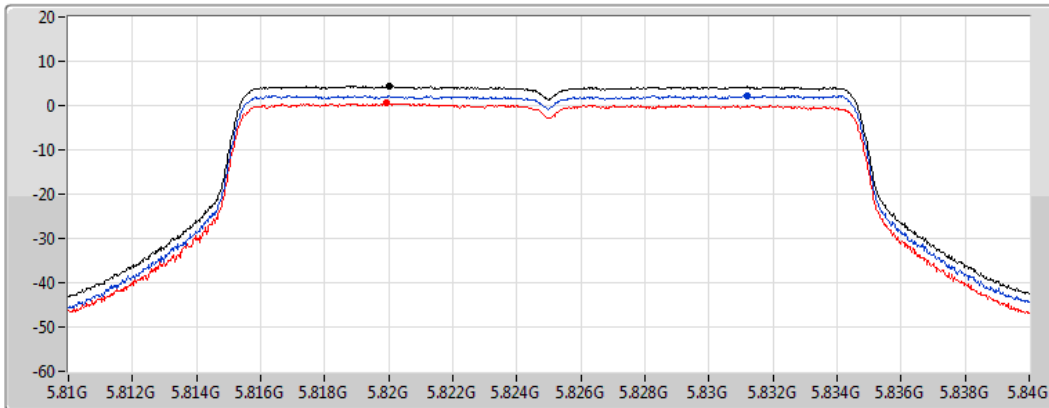
802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5825MHz

20/01/2022

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)
4.34	4.34	2.24	0.50

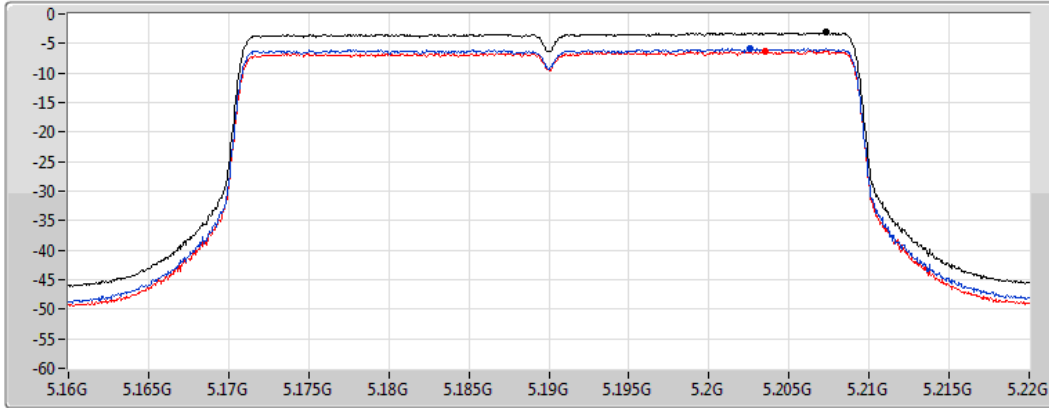
802.11ax HEW40-BF_Nss1,(MCS0)_2TX




PSD

5190MHz

20/01/2022

CF
5.19GHz
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)
-3.13	-3.13	-5.87	-6.31

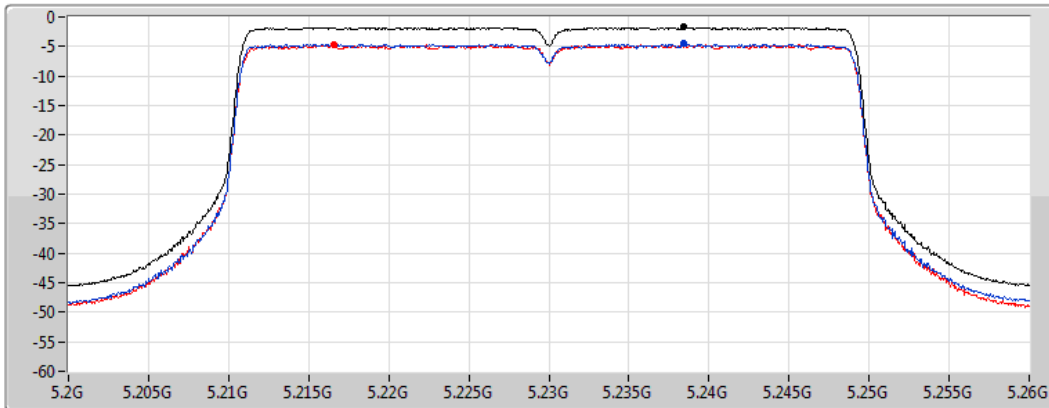
802.11ax HEW40-BF_Nss1,(MCS0)_2TX




PSD

5230MHz

20/01/2022

CF
5.23GHz
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)
-1.75	-1.75	-4.57	-4.74

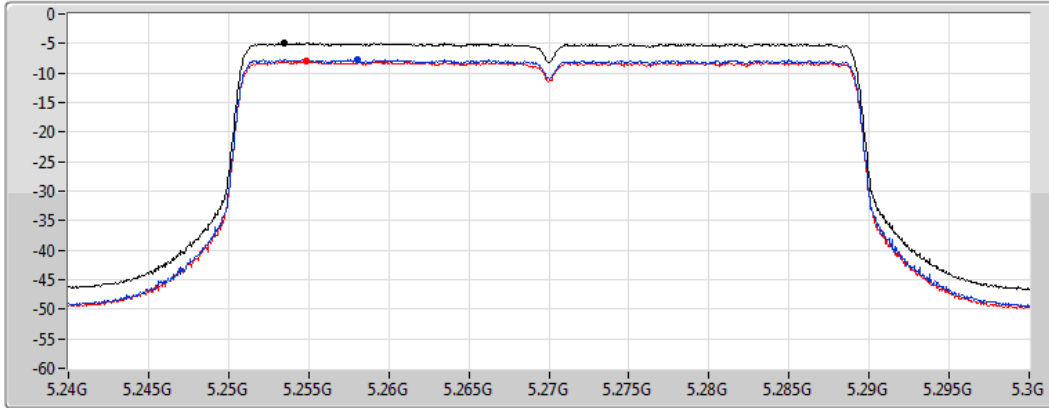
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

5270MHz

20/01/2022

CF
5.27GHz
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)
-4.93	-4.93	-7.74	-7.97

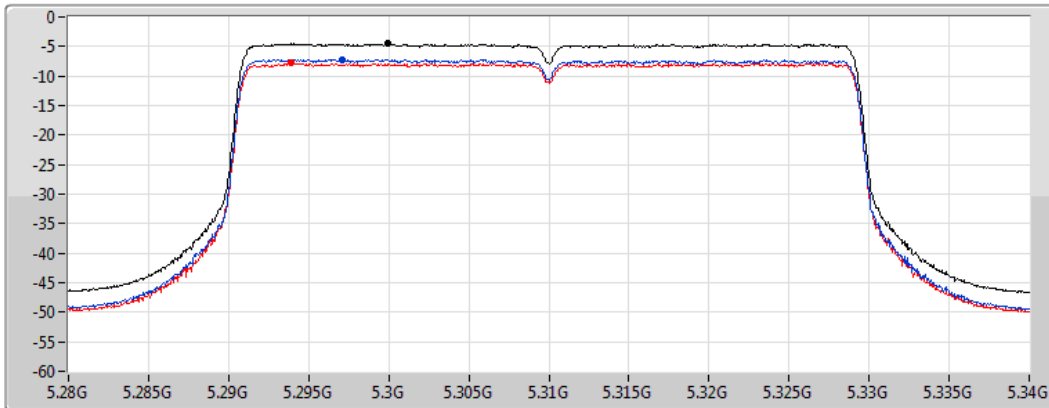
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

5310MHz

20/01/2022

CF
5.31GHz
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)
-4.50	-4.50	-7.15	-7.80

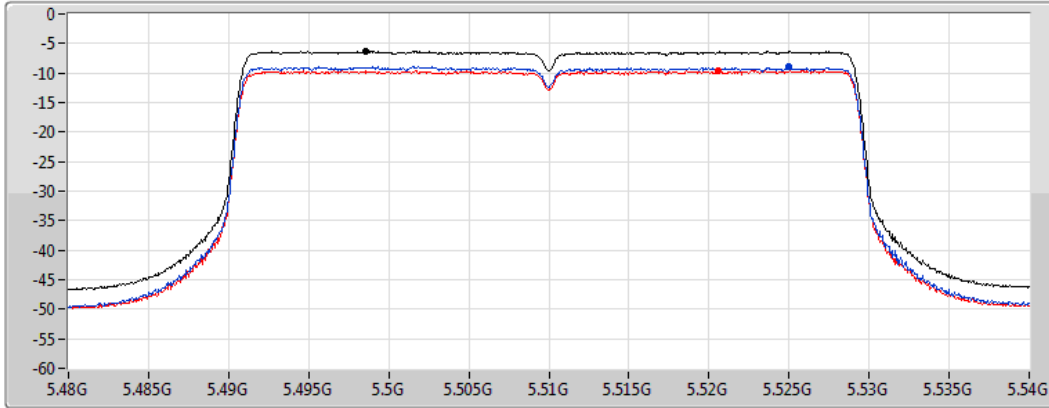
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

5510MHz

20/01/2022

CF
5.51GHz
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)
-6.36	-6.36	-8.97	-9.54

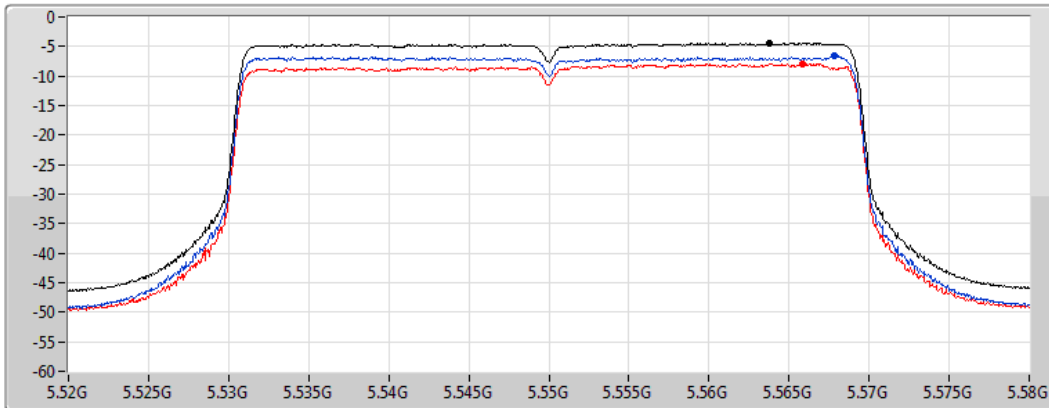
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

5550MHz

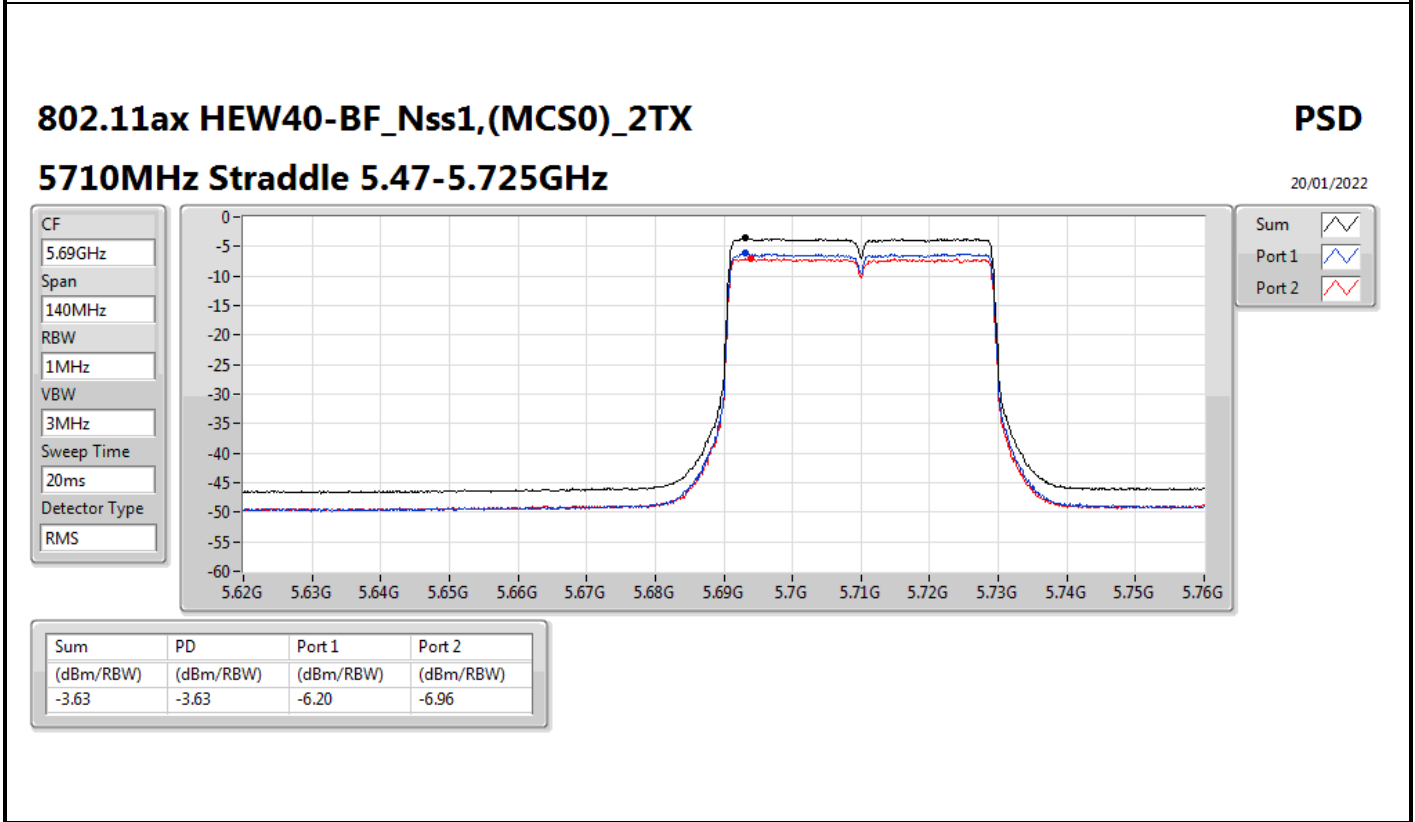
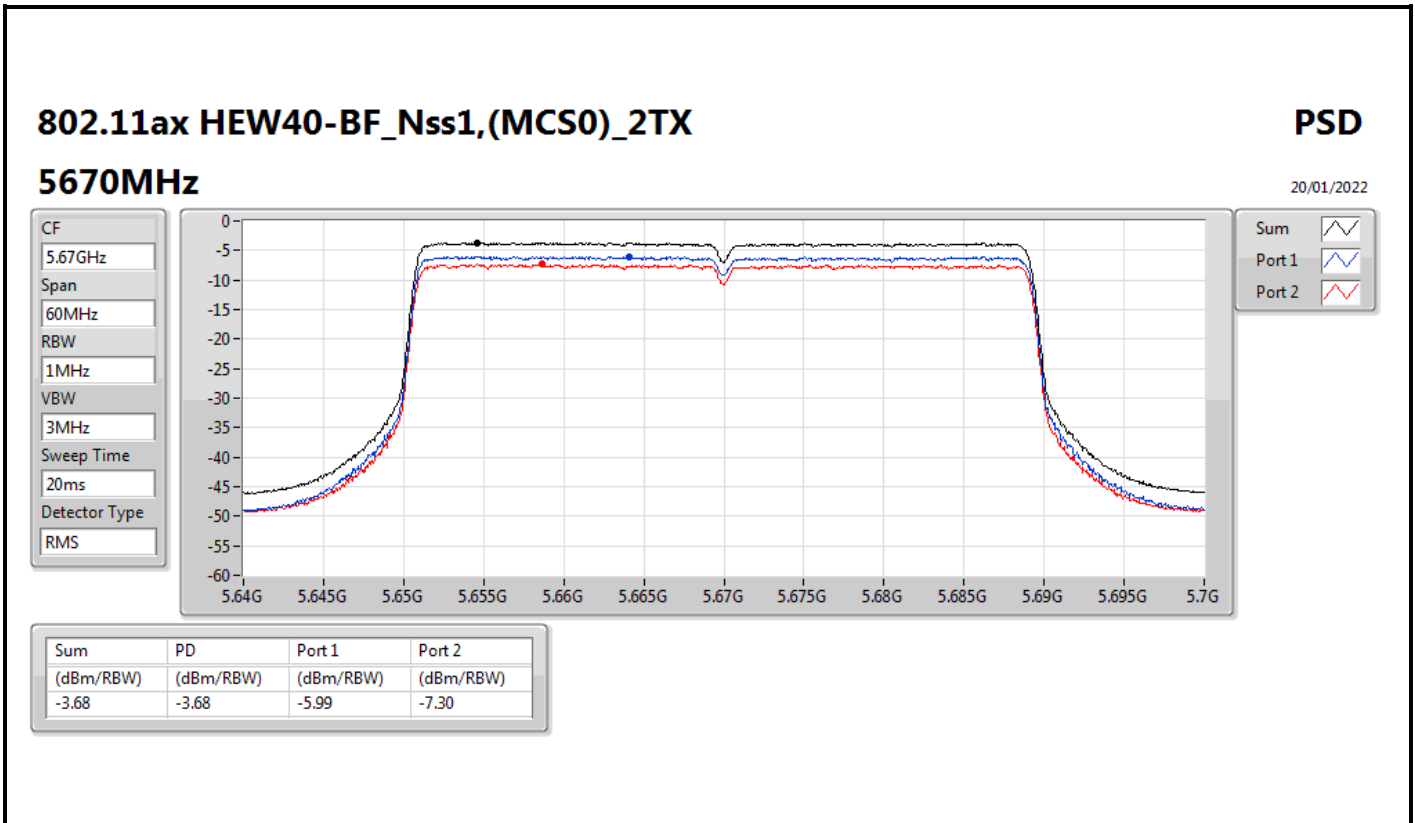
20/01/2022

CF
5.55GHz
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)
-4.38	-4.38	-6.61	-7.88



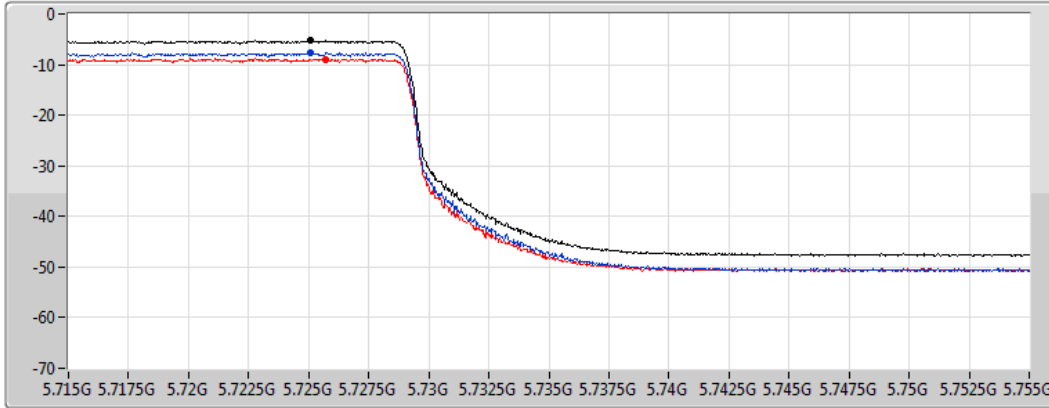
802.11ax HEW40-BF_Nss1,(MCS0)_2TX




PSD

5710MHz Straddle 5.725-5.85GHz

20/01/2022

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)
-5.28	-5.28	-7.71	-8.90

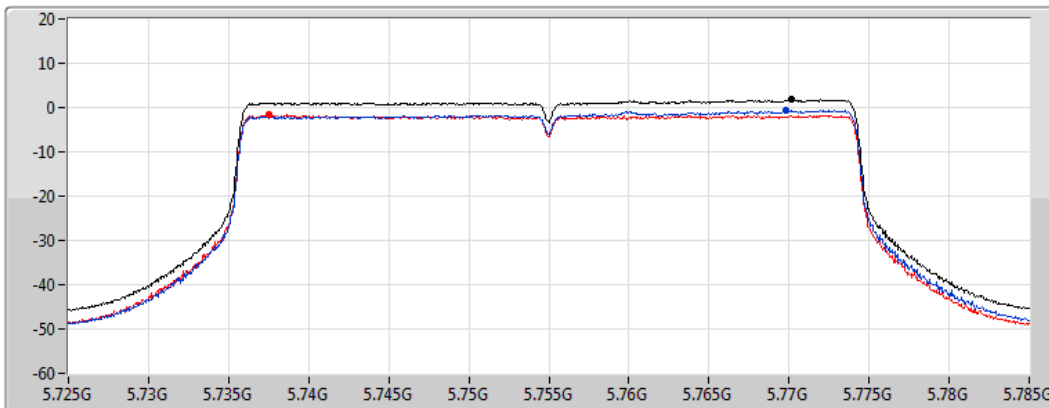
802.11ax HEW40-BF_Nss1,(MCS0)_2TX




PSD

5755MHz

20/01/2022

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)
1.74	1.74	-0.66	-1.69

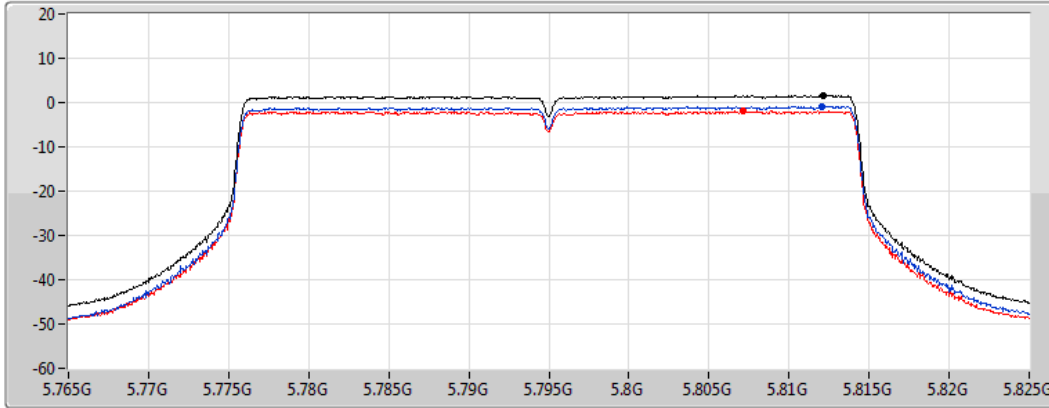
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

5795MHz

20/01/2022

CF
5.795GHz
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)
1.54	1.54	-0.85	-1.96

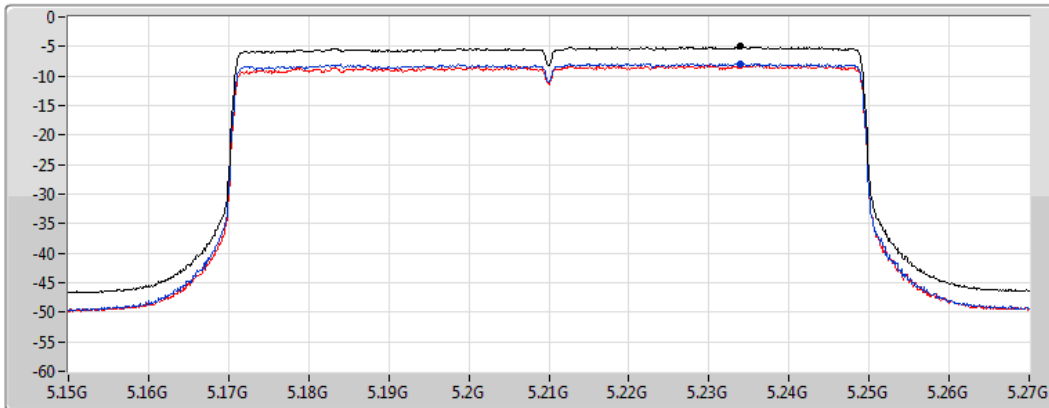
802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

5210MHz

20/01/2022

CF
5.21GHz
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)
-5.00	-5.00	-7.86	-8.16

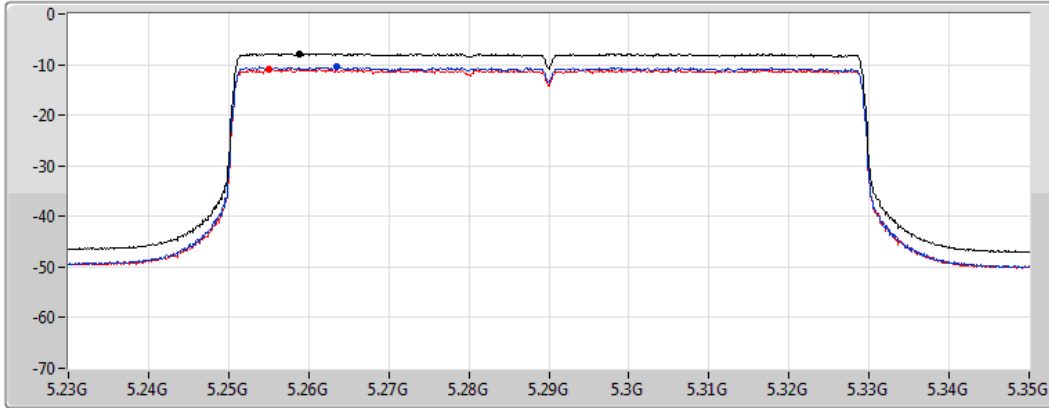
802.11ax HEW80-BF_Nss1,(MCS0)_2TX




PSD

5290MHz

20/01/2022

CF
5.29GHz
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)
-7.80	-7.80	-10.49	-10.91

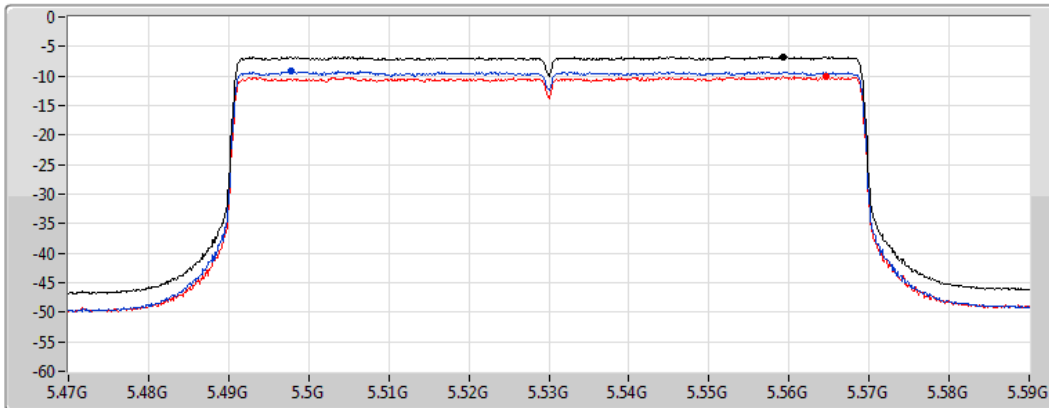
802.11ax HEW80-BF_Nss1,(MCS0)_2TX




PSD

5530MHz

20/01/2022

CF
5.53GHz
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)
-6.75	-6.75	-9.11	-10.13

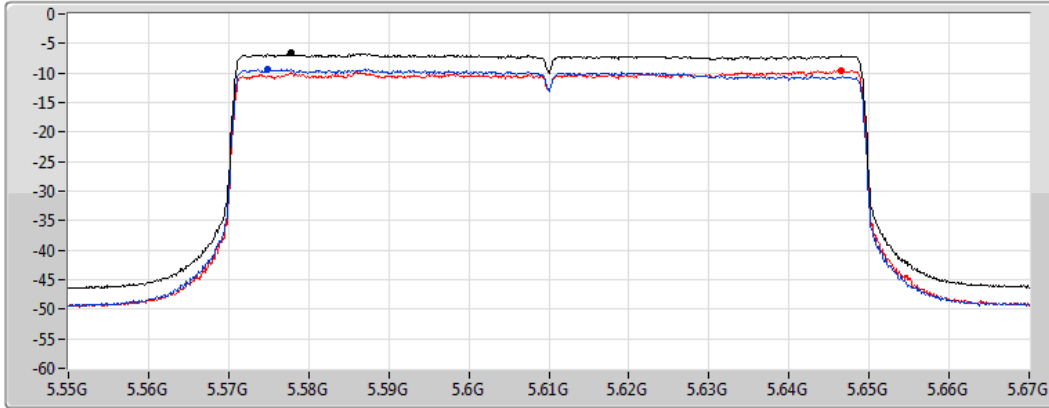
802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

5610MHz

20/01/2022

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)
-6.60	-6.60	-9.39	-9.56

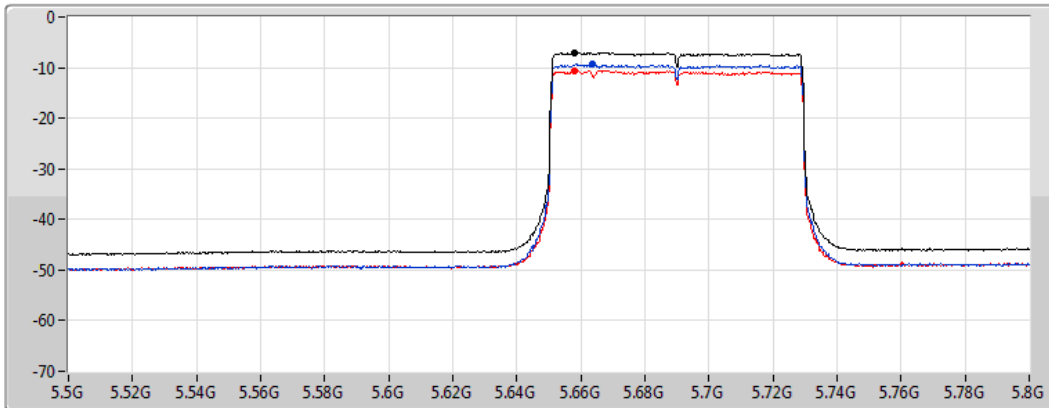
802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

20/01/2022

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)
-6.98	-6.98	-9.23	-10.55

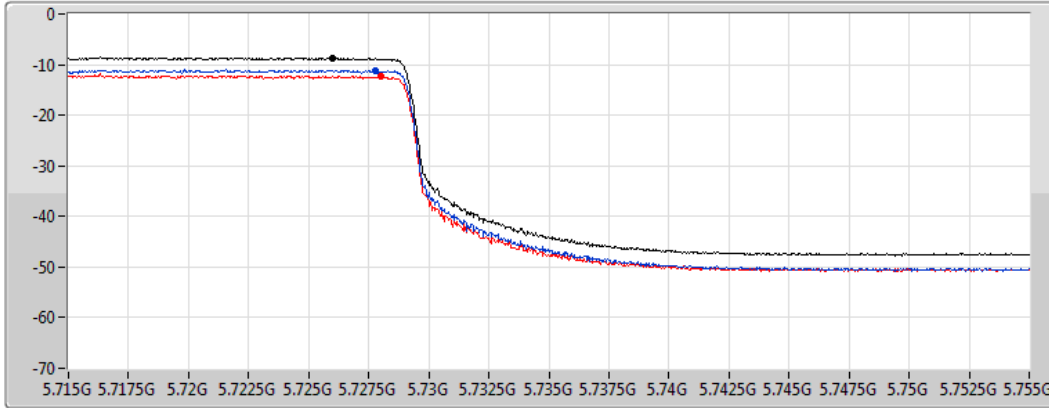
802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

20/01/2022

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)
-8.74	-8.74	-11.08	-12.31

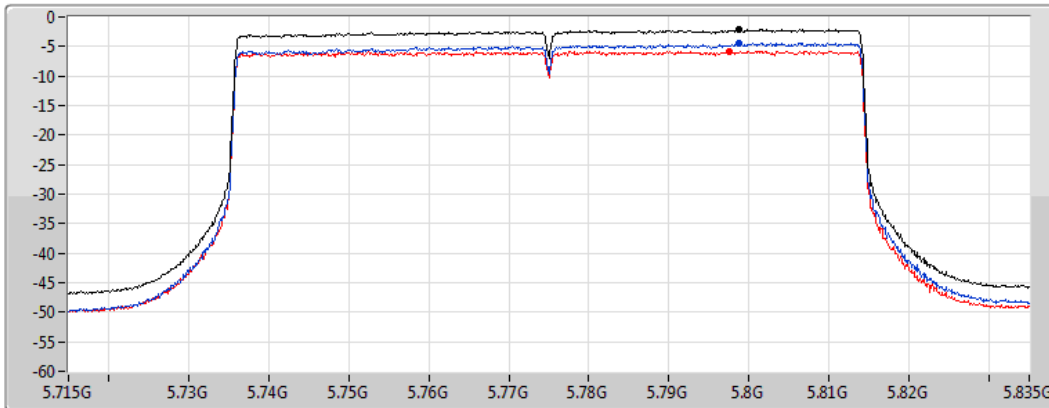
802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

5775MHz

20/01/2022

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)
-2.15	-2.15	-4.47	-5.81



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	-1.09	16.36
802.11ax HEW20_Nss1,(MCS0)_2TX	-1.06	16.39
802.11ax HEW40_Nss1,(MCS0)_2TX	-3.02	14.43
802.11ax HEW80_Nss1,(MCS0)_2TX	-5.92	11.53
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	-0.07	16.83
802.11ax HEW20_Nss1,(MCS0)_2TX	-0.18	16.72
802.11ax HEW40_Nss1,(MCS0)_2TX	-1.44	15.46
802.11ax HEW80_Nss1,(MCS0)_2TX	-4.23	12.67
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	0.39	16.93
802.11ax HEW20_Nss1,(MCS0)_2TX	0.14	16.68
802.11ax HEW40_Nss1,(MCS0)_2TX	-0.71	15.83
802.11ax HEW80_Nss1,(MCS0)_2TX	-3.88	12.66
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.10	23.65
802.11ax HEW20_Nss1,(MCS0)_2TX	7.43	22.98
802.11ax HEW40_Nss1,(MCS0)_2TX	4.28	19.83
802.11ax HEW80_Nss1,(MCS0)_2TX	1.37	16.92

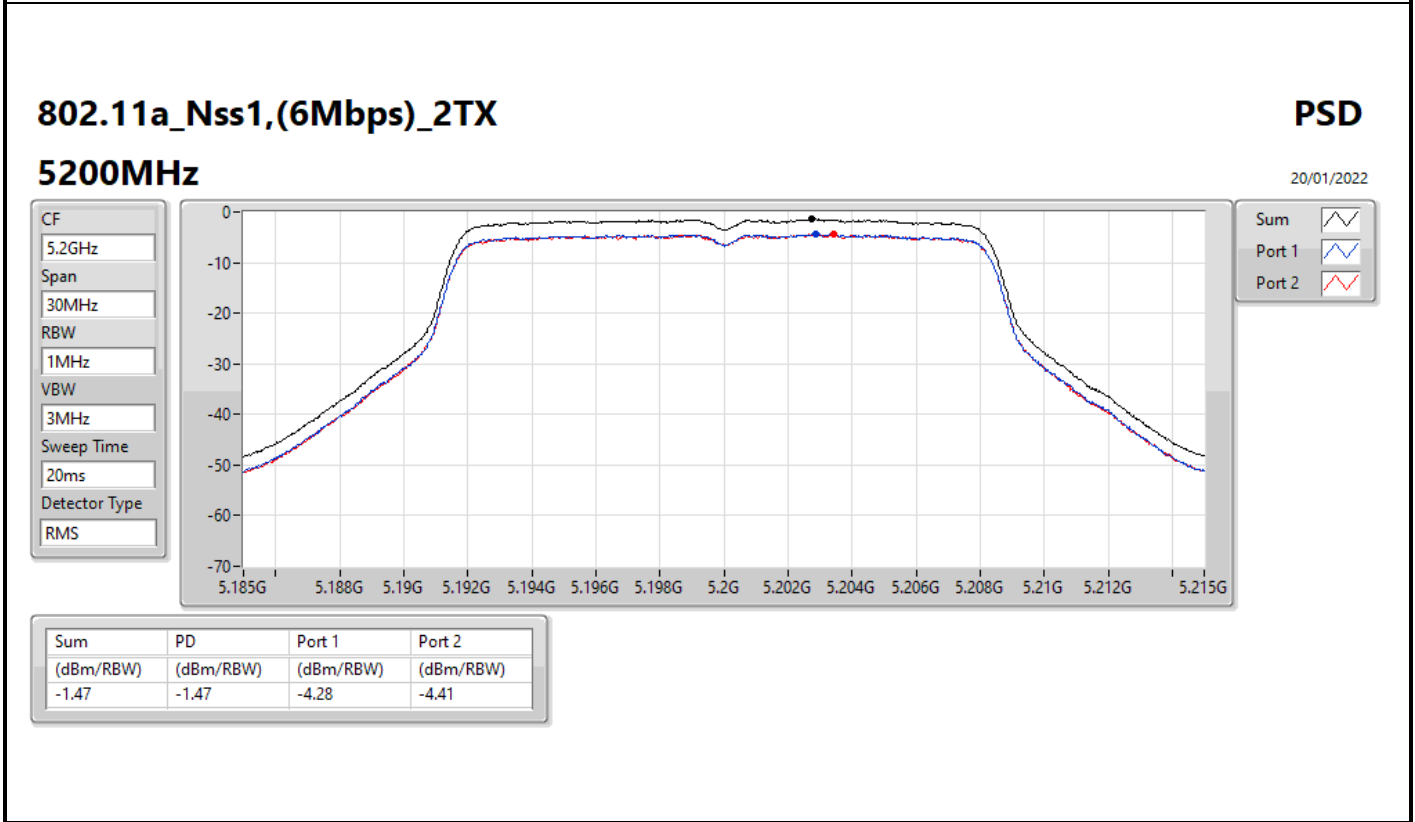
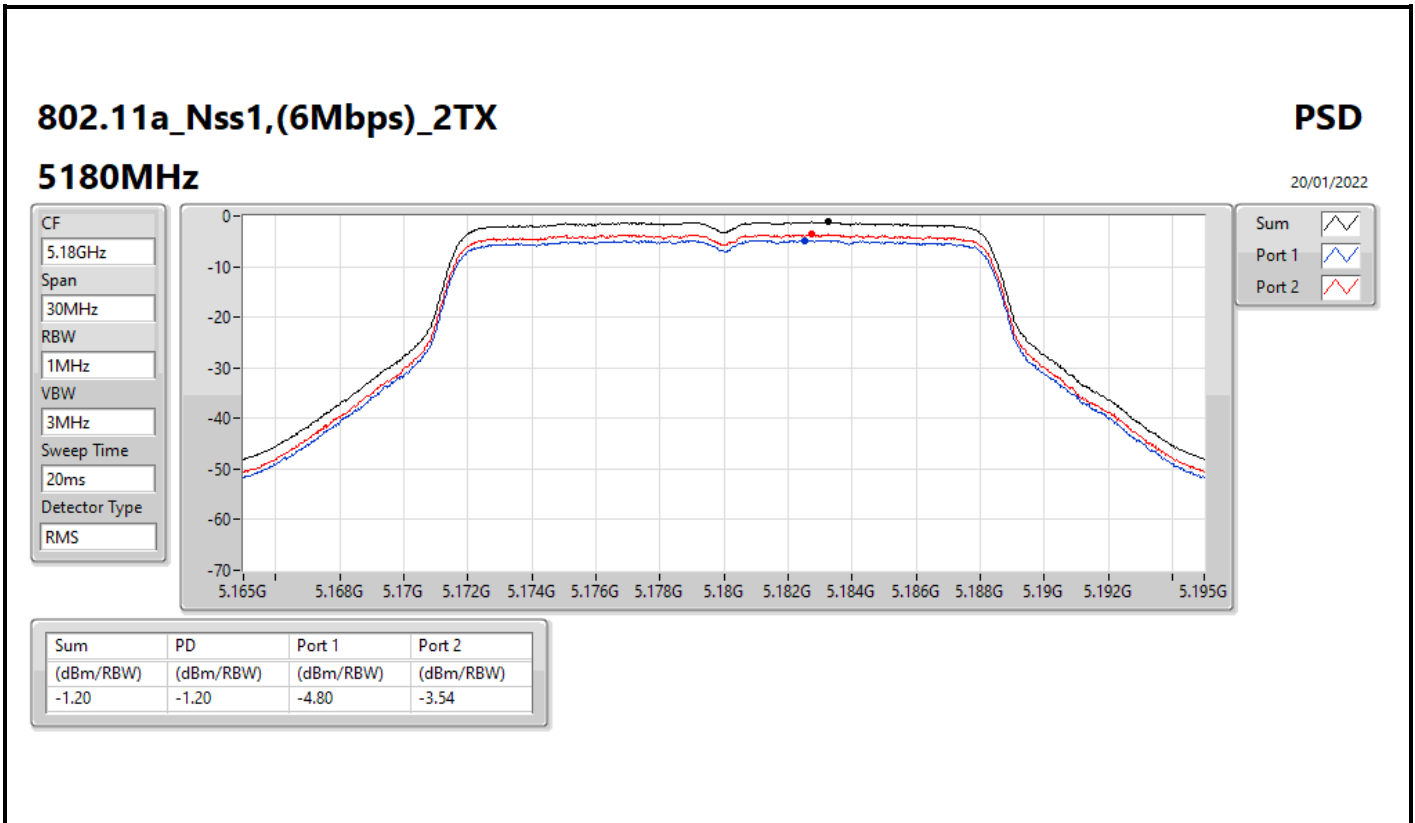
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band:

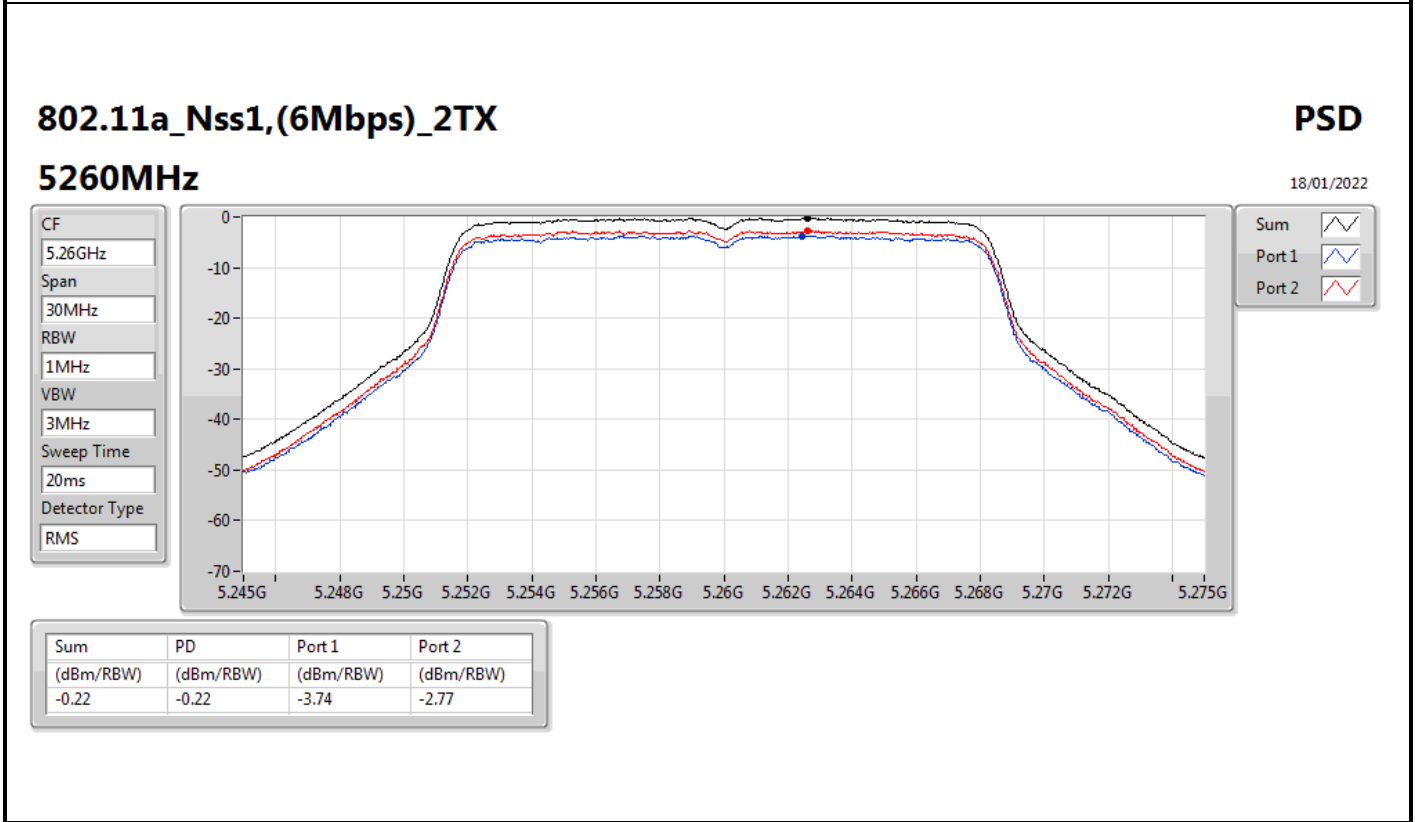
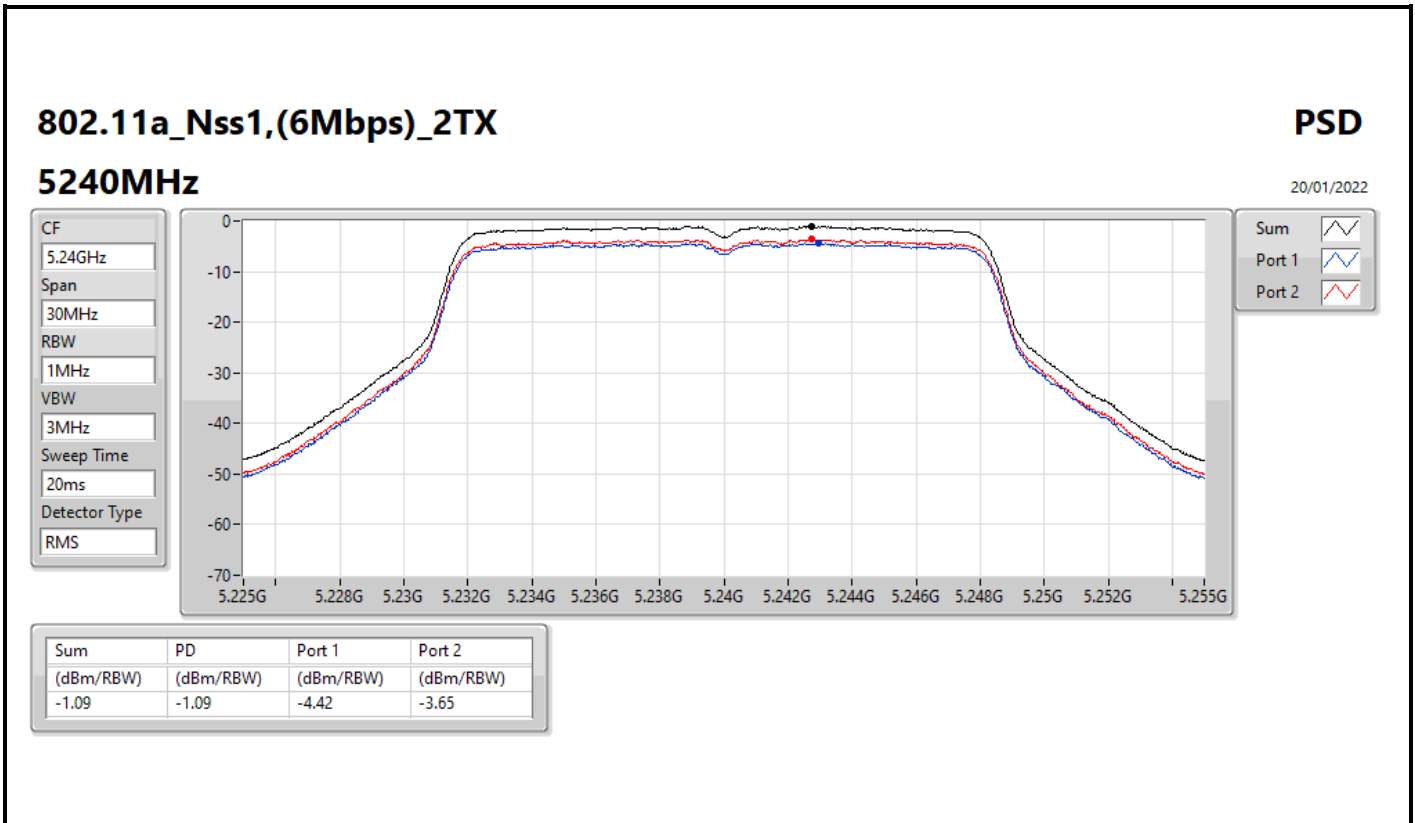


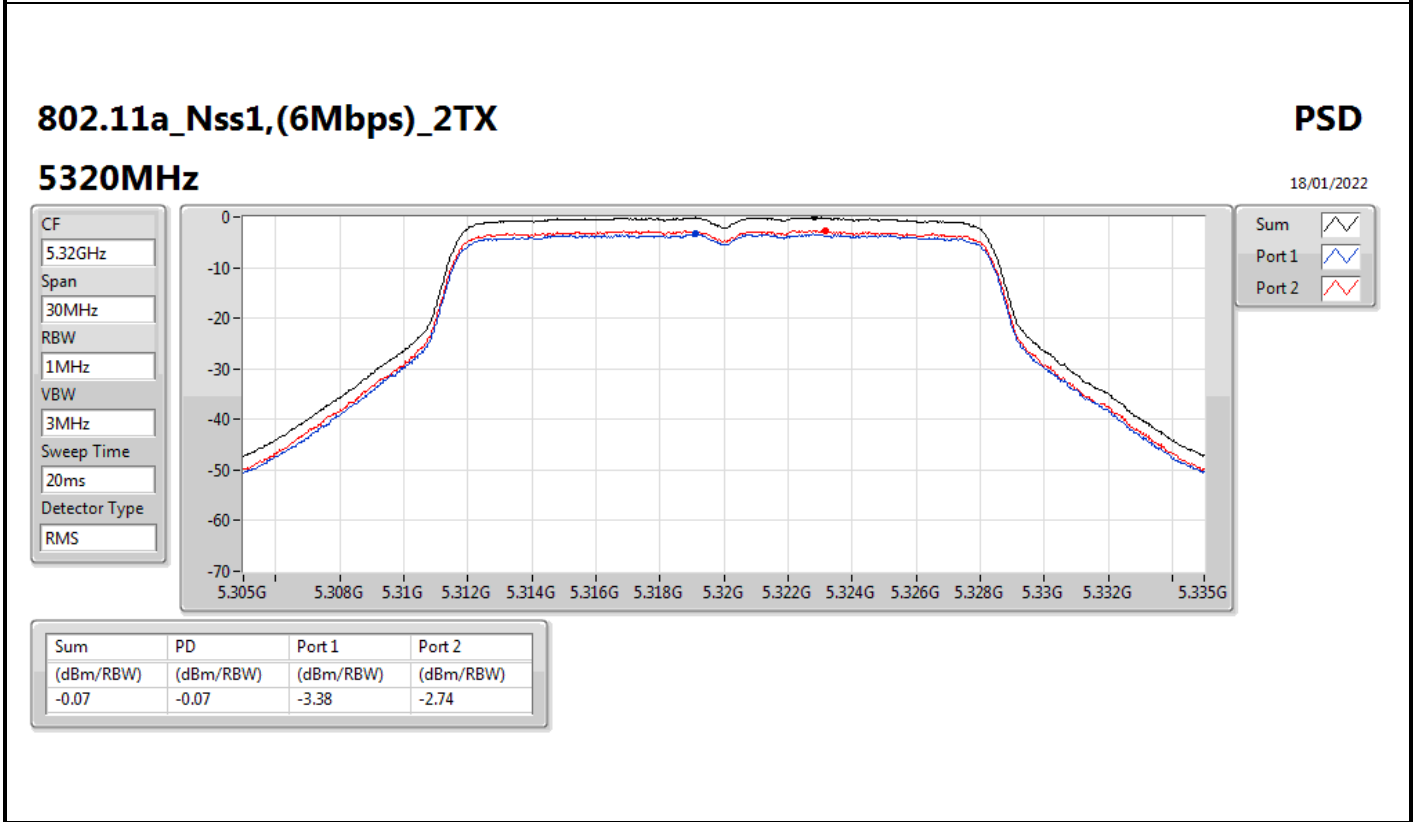
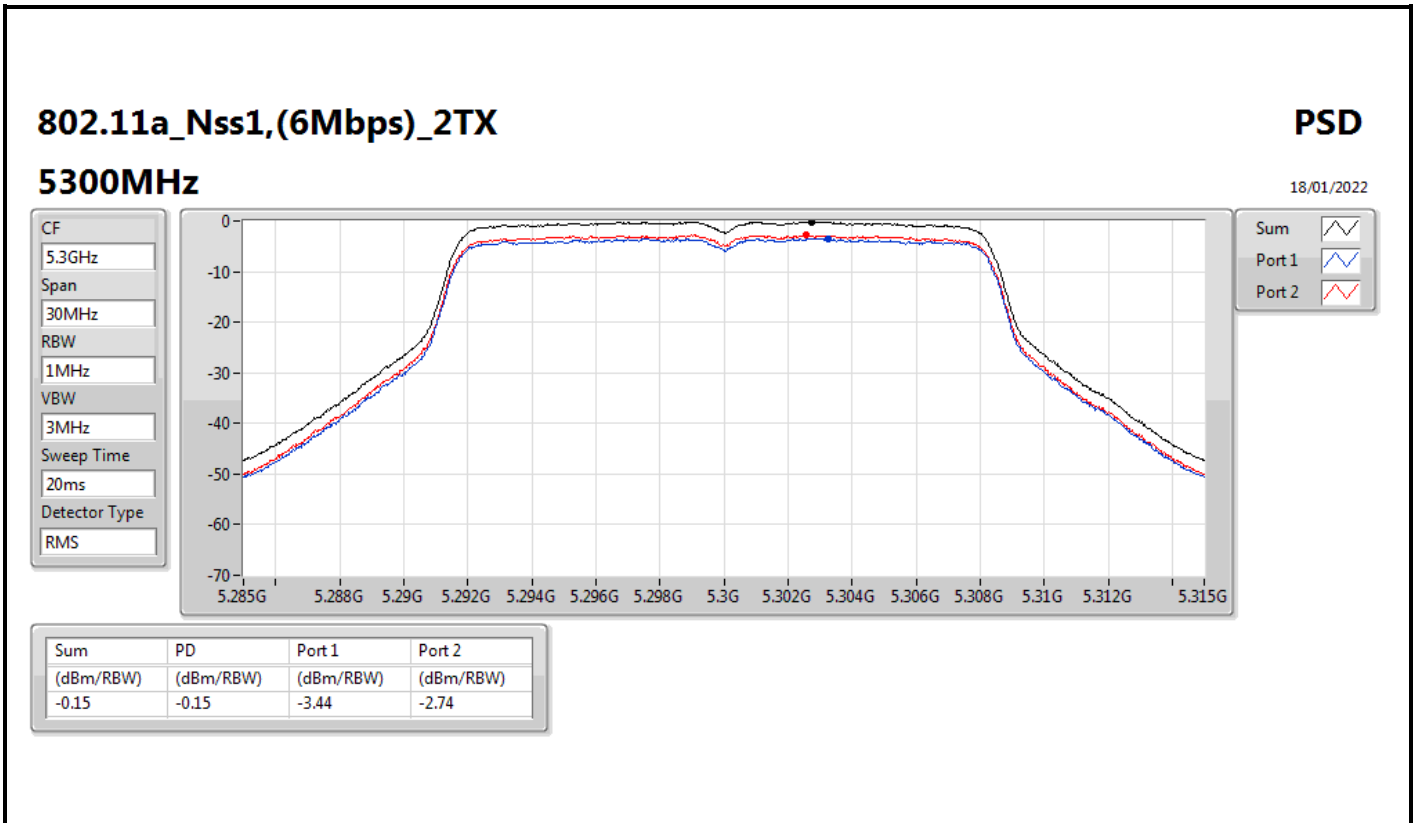
Result

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	17.45	-4.80	-3.54	-1.20	-0.45	16.25	17.00
5200MHz	Pass	17.45	-4.28	-4.41	-1.47	-0.45	15.98	17.00
5240MHz	Pass	17.45	-4.42	-3.65	-1.09	-0.45	16.36	17.00
5260MHz	Pass	16.90	-3.74	-2.77	-0.22	0.10	16.68	17.00
5300MHz	Pass	16.90	-3.44	-2.74	-0.15	0.10	16.75	17.00
5320MHz	Pass	16.90	-3.38	-2.74	-0.07	0.10	16.83	17.00
5500MHz	Pass	16.54	-3.48	-1.84	0.36	0.46	16.90	17.00
5580MHz	Pass	16.54	-3.15	-2.21	0.32	0.46	16.86	17.00
5700MHz	Pass	16.54	-3.67	-1.83	0.28	0.46	16.82	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	16.54	-3.26	-1.99	0.39	0.46	16.93	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	15.55	-5.46	-4.12	-1.74	20.45	13.81	36.00
5745MHz	Pass	15.55	4.40	5.80	8.10	20.45	23.65	36.00
5785MHz	Pass	15.55	3.99	5.78	7.87	20.45	23.42	36.00
5825MHz	Pass	15.55	3.85	6.10	8.05	20.45	23.60	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	17.45	-4.63	-3.71	-1.25	-0.45	16.20	17.00
5200MHz	Pass	17.45	-4.55	-3.46	-1.06	-0.45	16.39	17.00
5240MHz	Pass	17.45	-4.78	-3.84	-1.29	-0.45	16.16	17.00
5260MHz	Pass	16.90	-3.95	-2.80	-0.33	0.10	16.57	17.00
5300MHz	Pass	16.90	-3.62	-3.39	-0.55	0.10	16.35	17.00
5320MHz	Pass	16.90	-3.66	-2.62	-0.18	0.10	16.72	17.00
5500MHz	Pass	16.54	-3.80	-2.02	0.14	0.46	16.68	17.00
5580MHz	Pass	16.54	-3.85	-2.91	-0.41	0.46	16.13	17.00
5700MHz	Pass	16.54	-4.34	-2.44	-0.28	0.46	16.26	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	16.54	-4.22	-2.65	-0.39	0.46	16.15	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	15.55	-6.02	-4.39	-2.14	20.45	13.41	36.00
5745MHz	Pass	15.55	3.53	5.07	7.37	20.45	22.92	36.00
5785MHz	Pass	15.55	3.49	5.23	7.33	20.45	22.88	36.00
5825MHz	Pass	15.55	3.33	5.54	7.43	20.45	22.98	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	17.45	-6.05	-6.85	-3.44	-0.45	14.01	17.00
5230MHz	Pass	17.45	-6.04	-5.91	-3.02	-0.45	14.43	17.00
5270MHz	Pass	16.90	-4.35	-4.23	-1.44	0.10	15.46	17.00
5310MHz	Pass	16.90	-4.50	-4.38	-1.51	0.10	15.39	17.00
5510MHz	Pass	16.54	-5.71	-3.82	-1.68	0.46	14.86	17.00
5550MHz	Pass	16.54	-5.69	-3.15	-1.27	0.46	15.27	17.00
5670MHz	Pass	16.54	-5.95	-3.39	-1.52	0.46	15.02	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	16.54	-4.56	-2.88	-0.71	0.46	15.83	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	15.55	-7.11	-5.46	-3.25	20.45	12.30	36.00
5755MHz	Pass	15.55	0.62	1.94	4.28	20.45	19.83	36.00
5795MHz	Pass	15.55	0.23	2.03	4.18	20.45	19.73	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	17.45	-8.85	-8.82	-5.92	-0.45	11.53	17.00
5290MHz	Pass	16.90	-7.28	-6.98	-4.23	0.10	12.67	17.00
5530MHz	Pass	16.54	-7.83	-6.09	-3.88	0.46	12.66	17.00
5610MHz	Pass	16.54	-7.80	-6.53	-4.15	0.46	12.39	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	16.54	-7.94	-6.16	-4.01	0.46	12.53	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	15.55	-11.16	-9.25	-7.09	20.45	8.46	36.00
5775MHz	Pass	15.55	-2.24	-0.88	1.37	20.45	16.92	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;







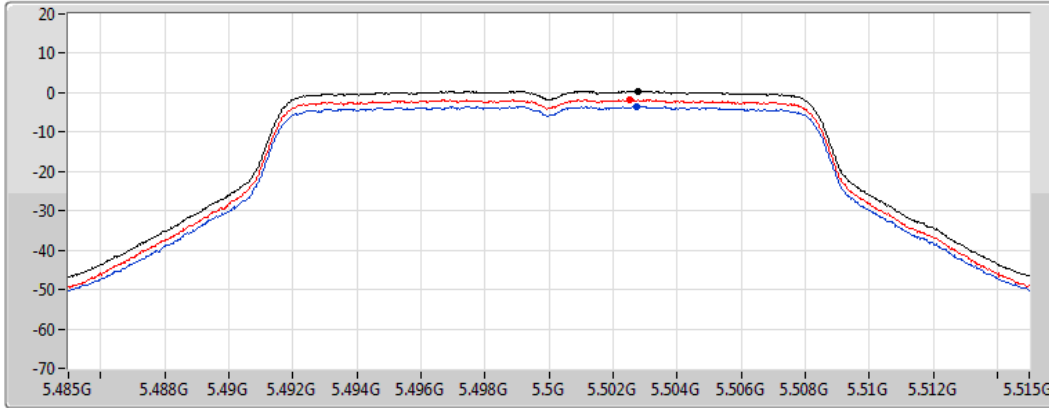
802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

18/01/2022

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)
0.36	0.36	-3.48	-1.84

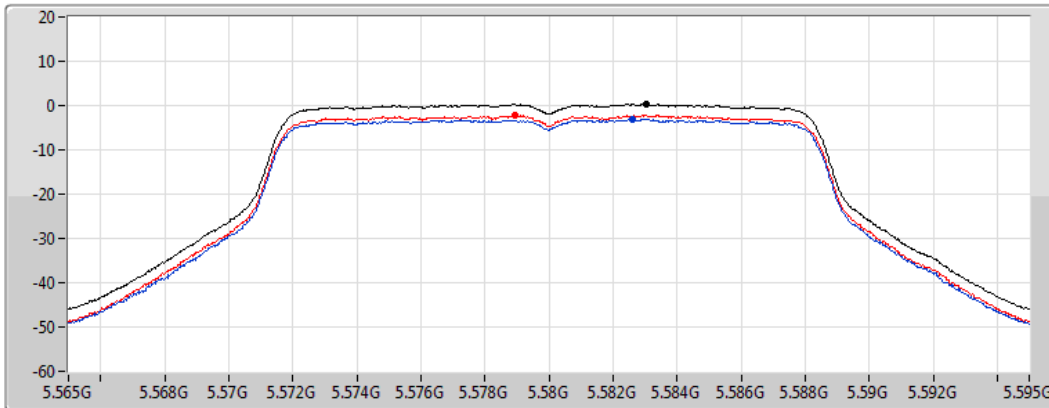
802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

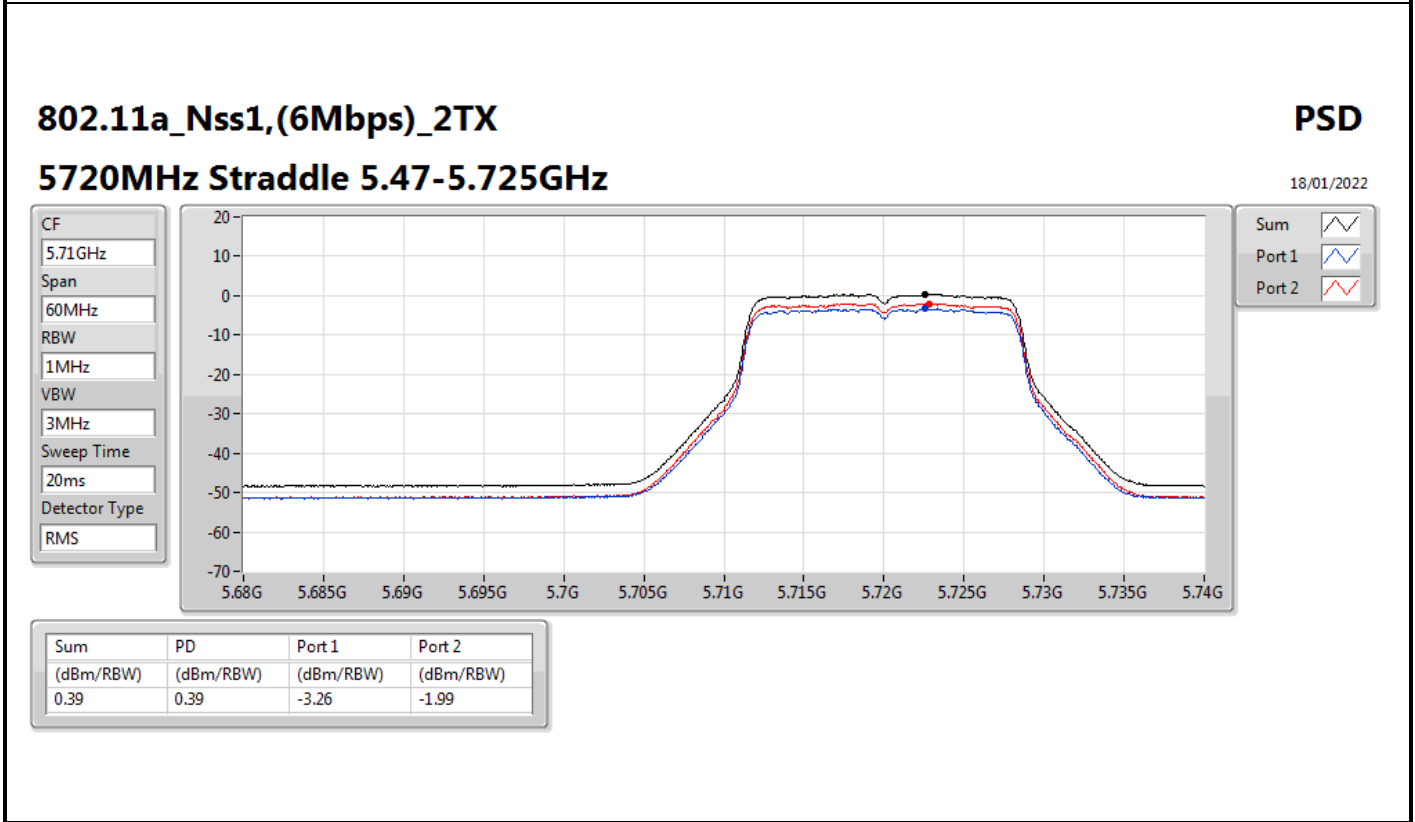
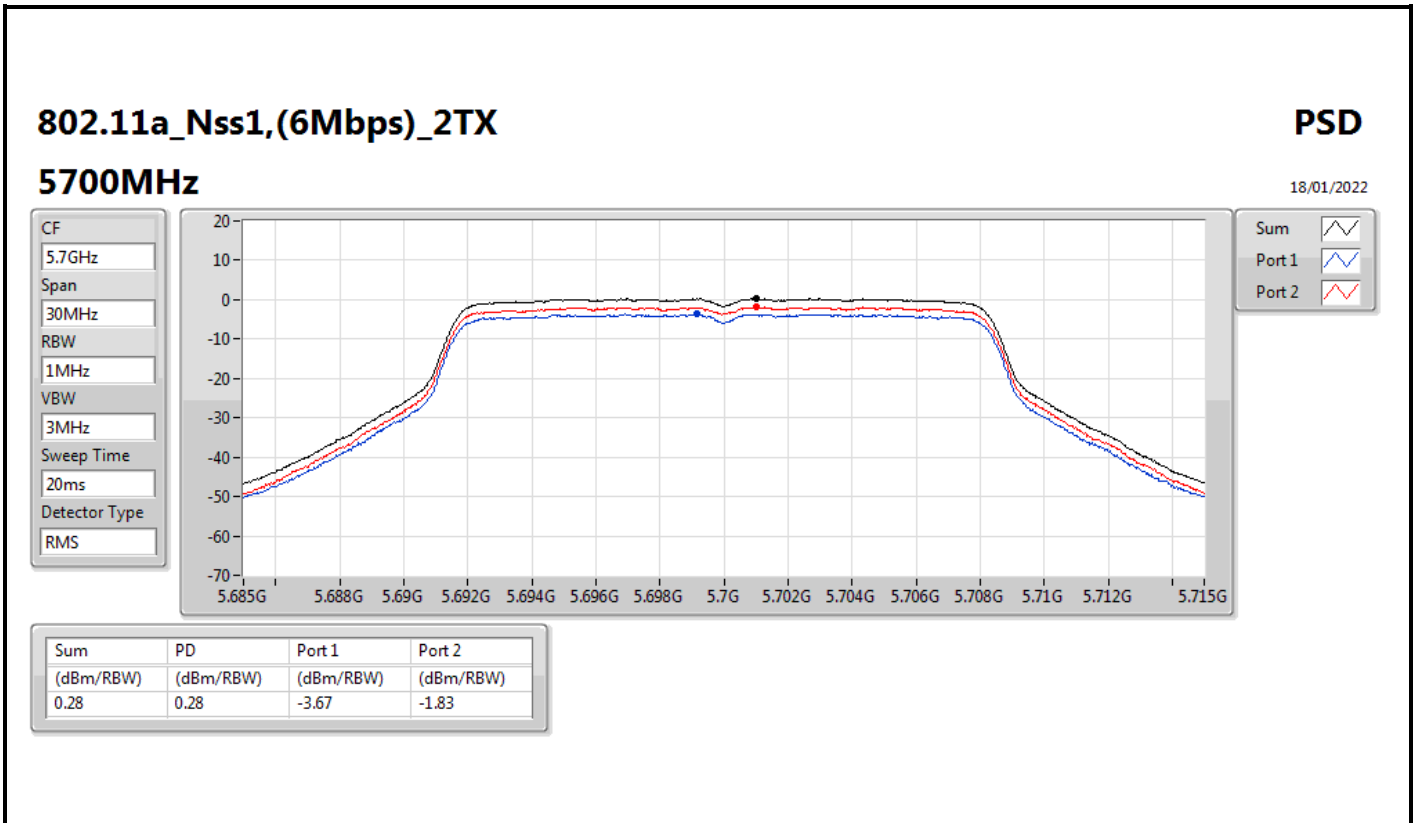
18/01/2022

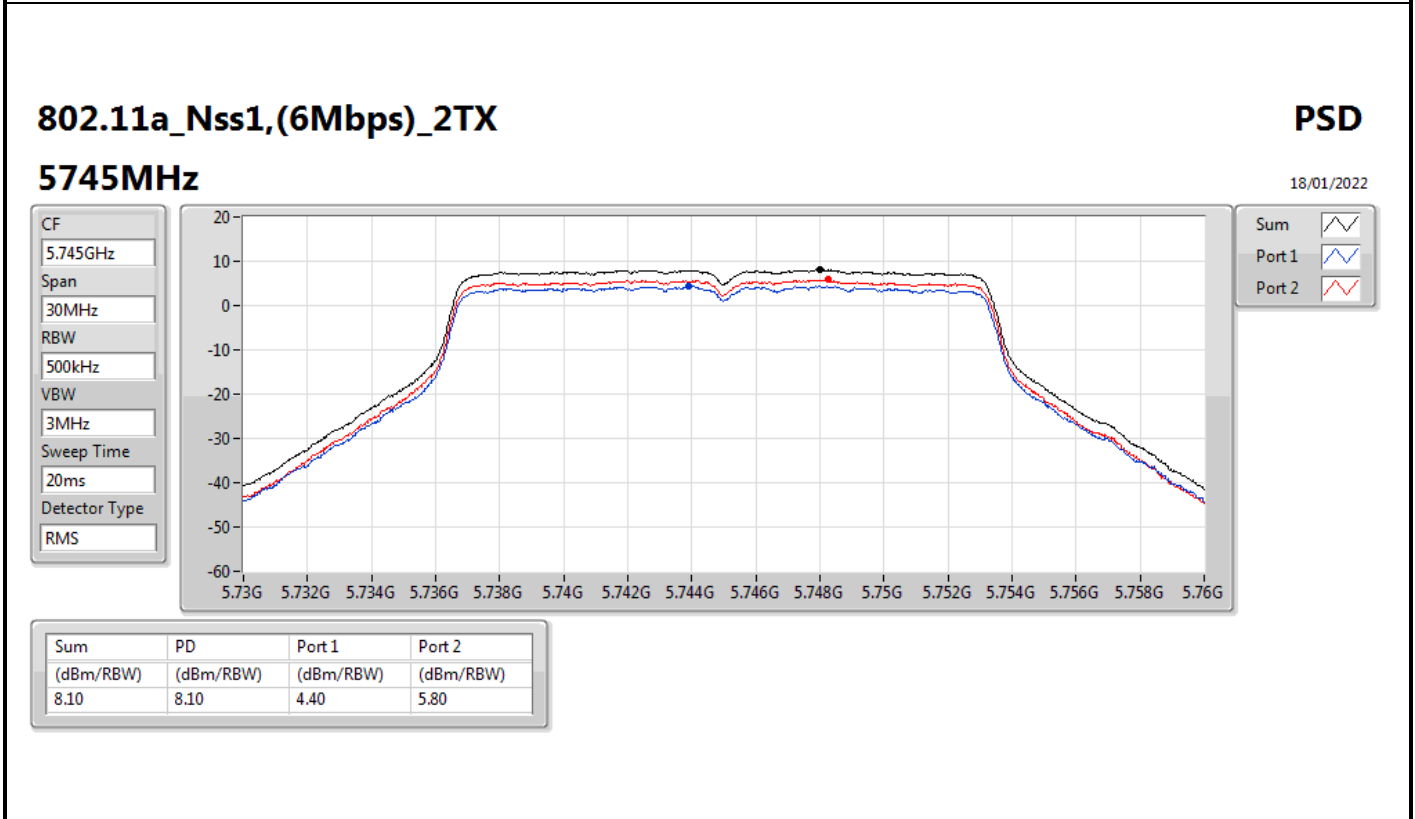
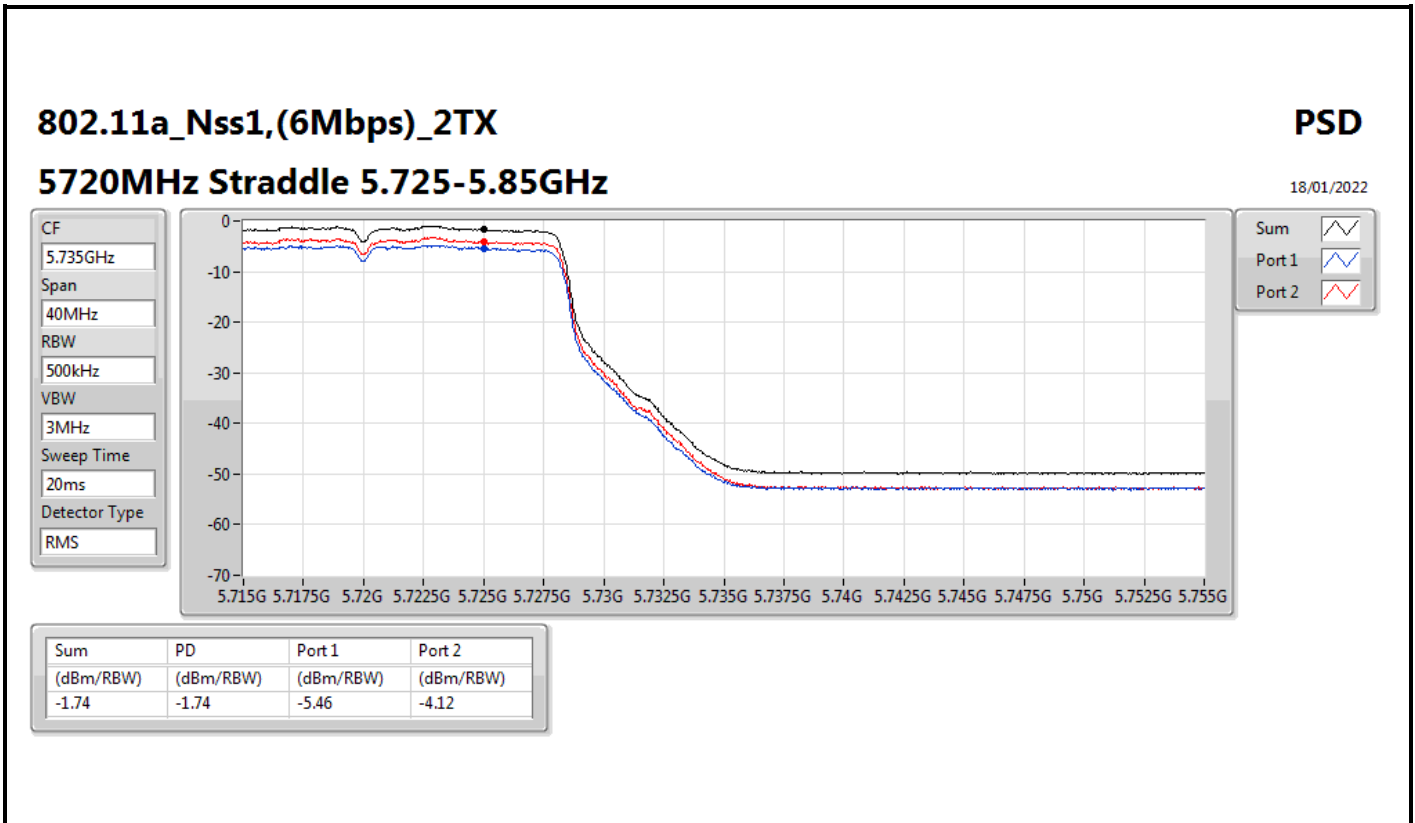
CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS

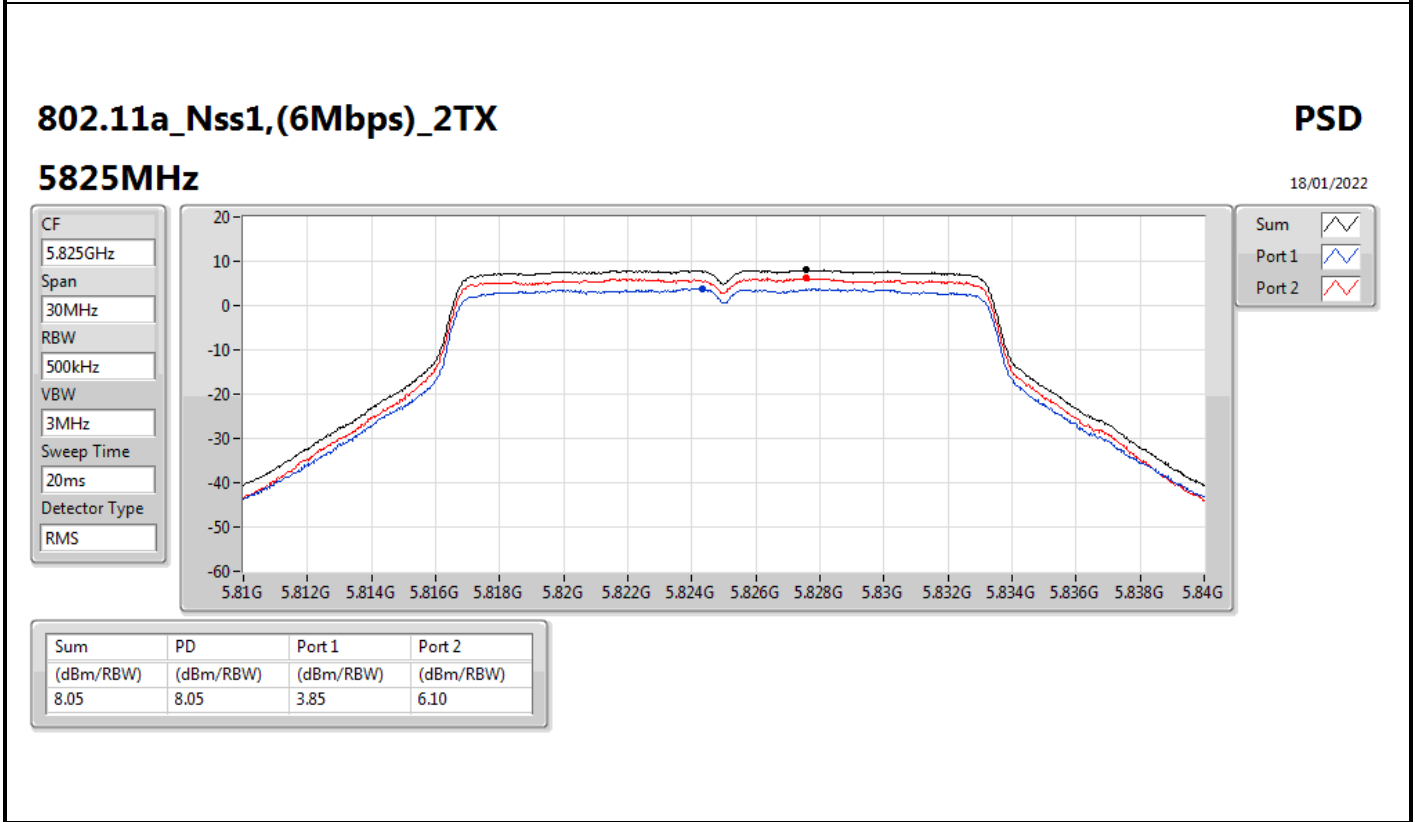
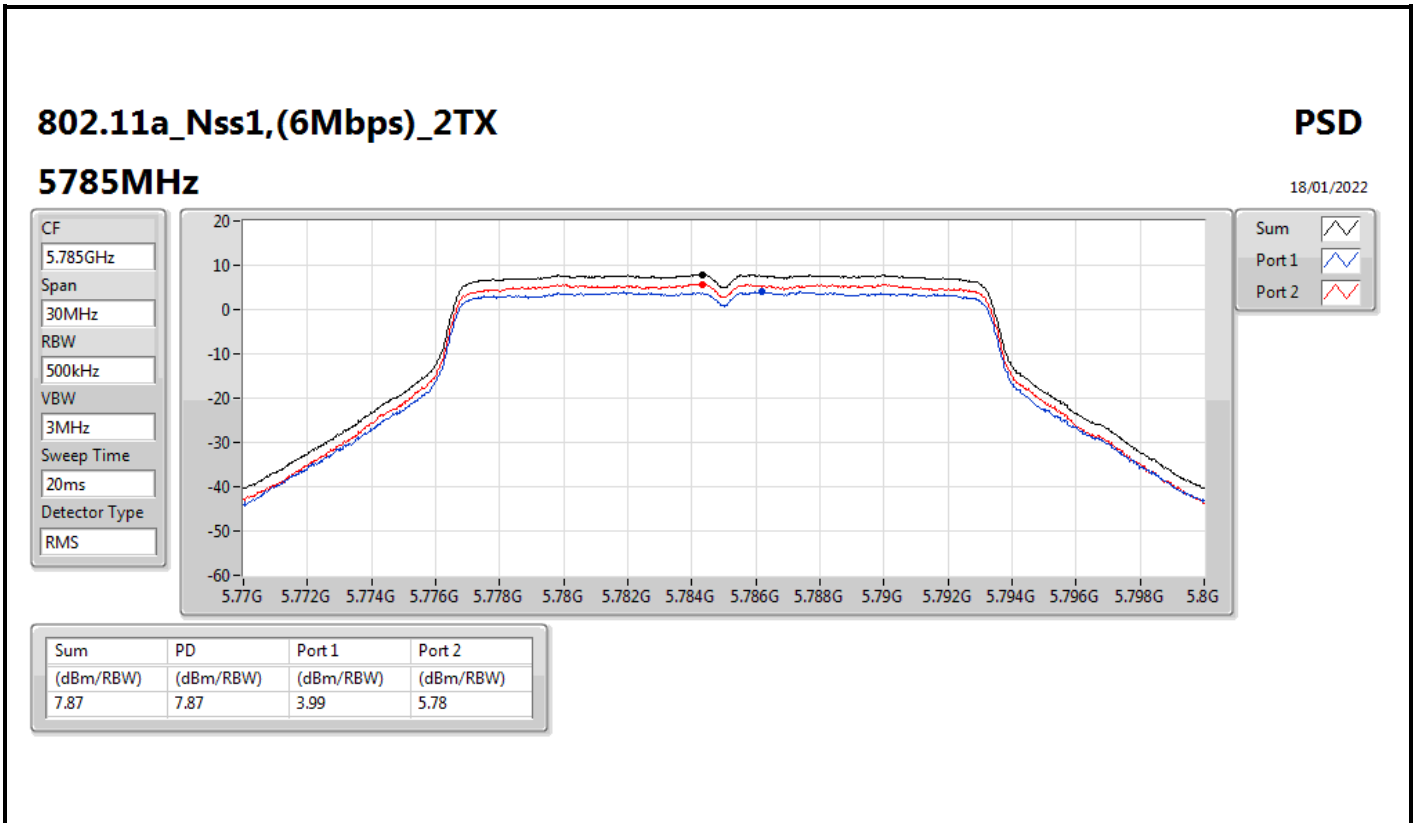


Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.32	0.32	-3.15	-2.21







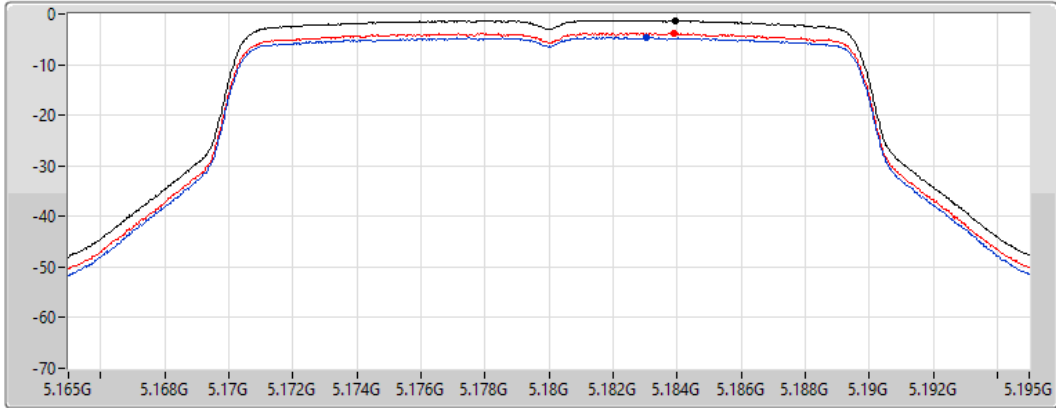
802.11ax HEW20_Nss1,(MCS0)_2TX




PSD

5180MHz

20/01/2022

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)
-1.25	-1.25	-4.63	-3.71

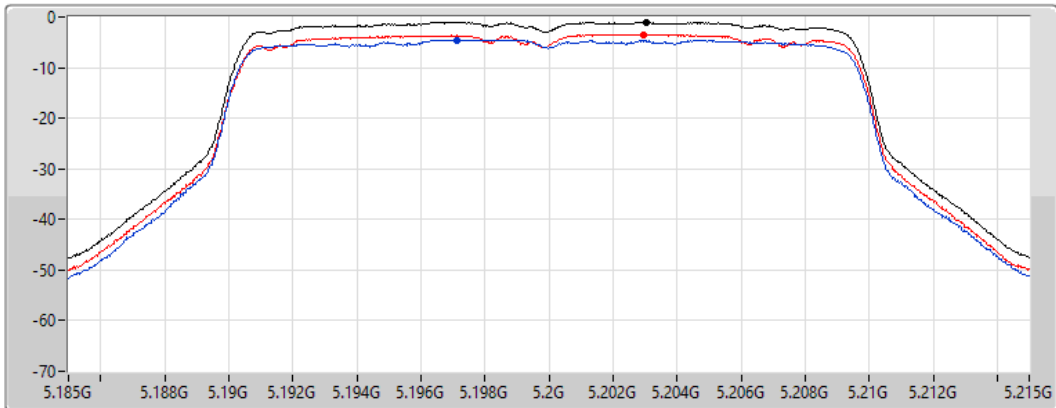
802.11ax HEW20_Nss1,(MCS0)_2TX




PSD

5200MHz

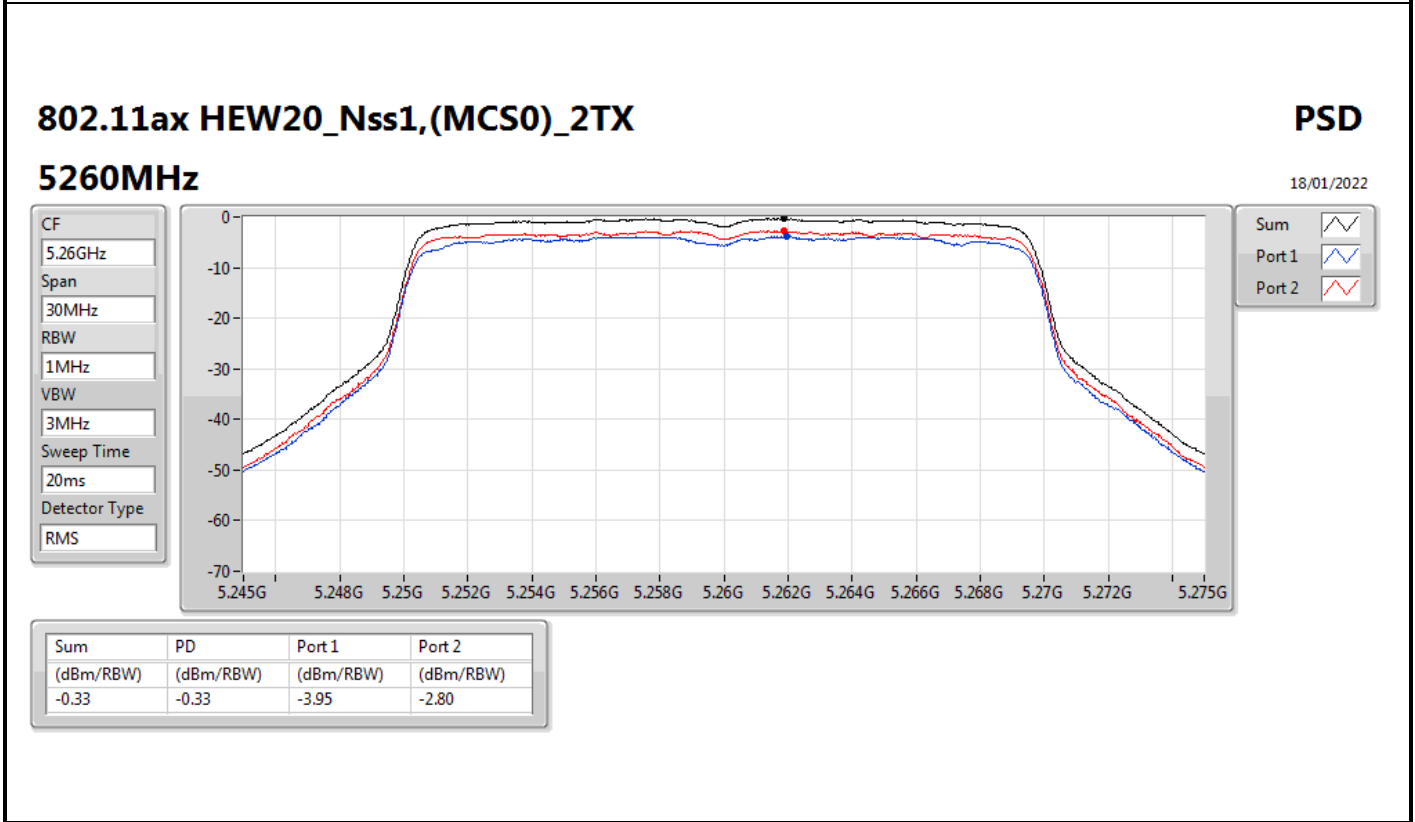
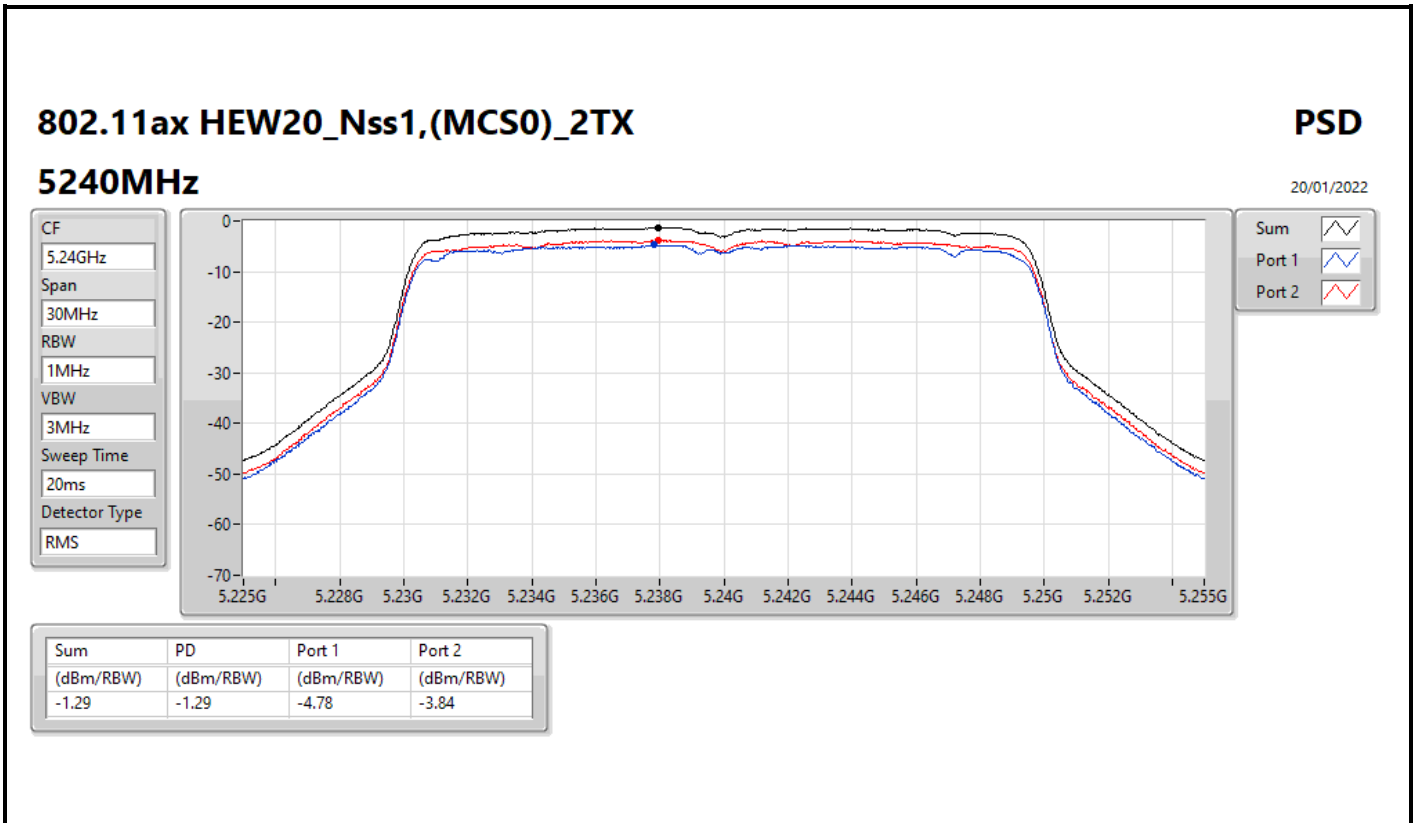
20/01/2022

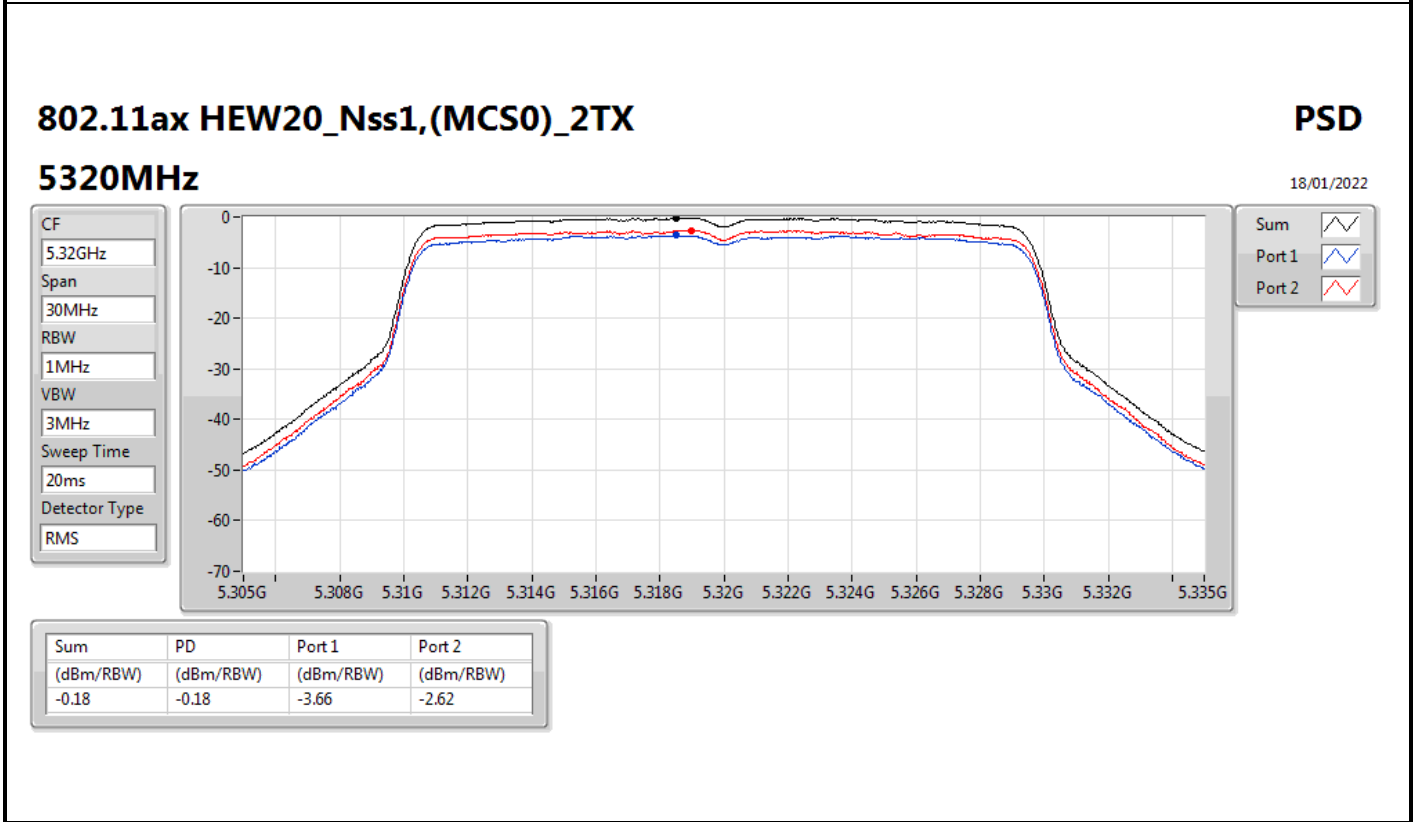
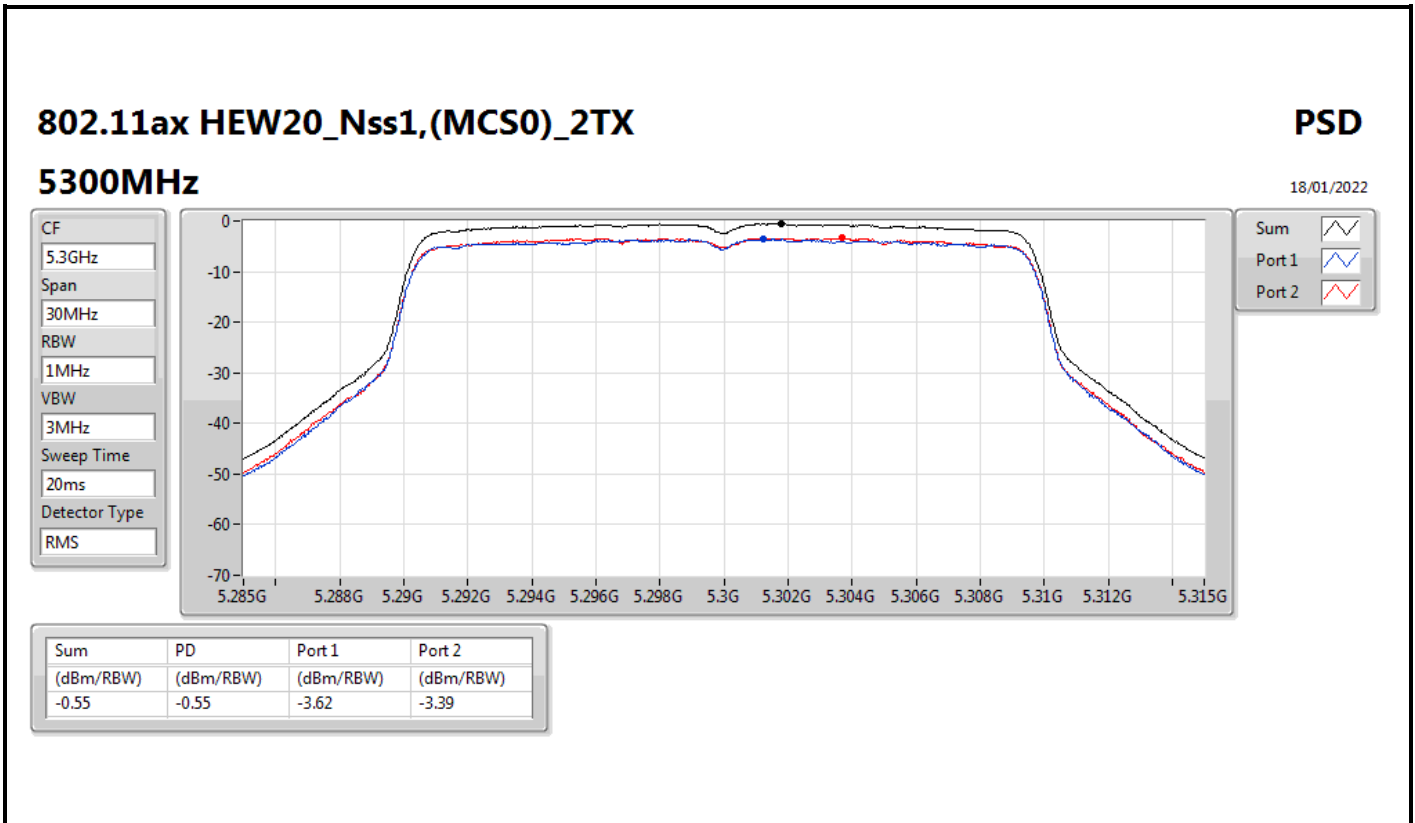
CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS

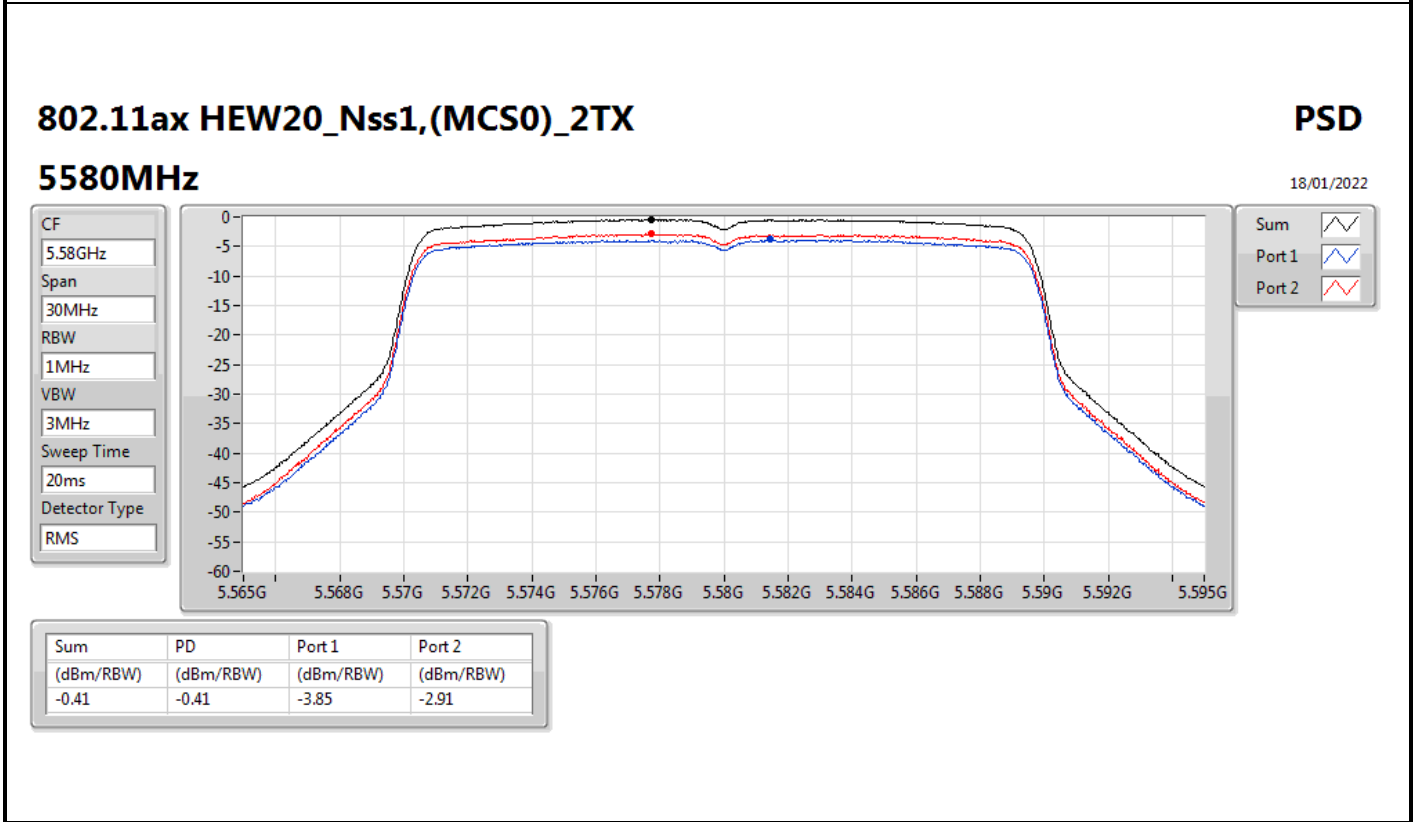
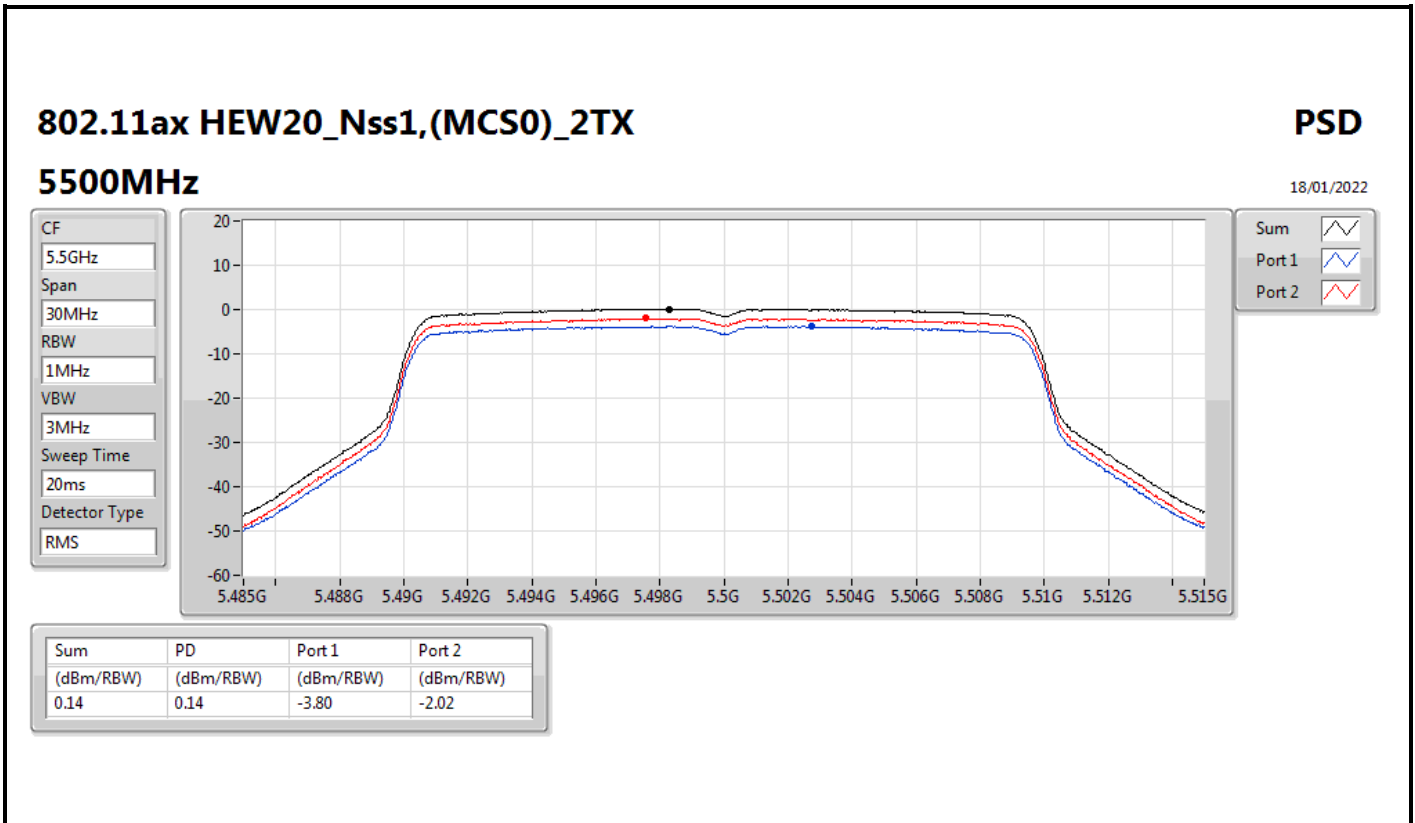


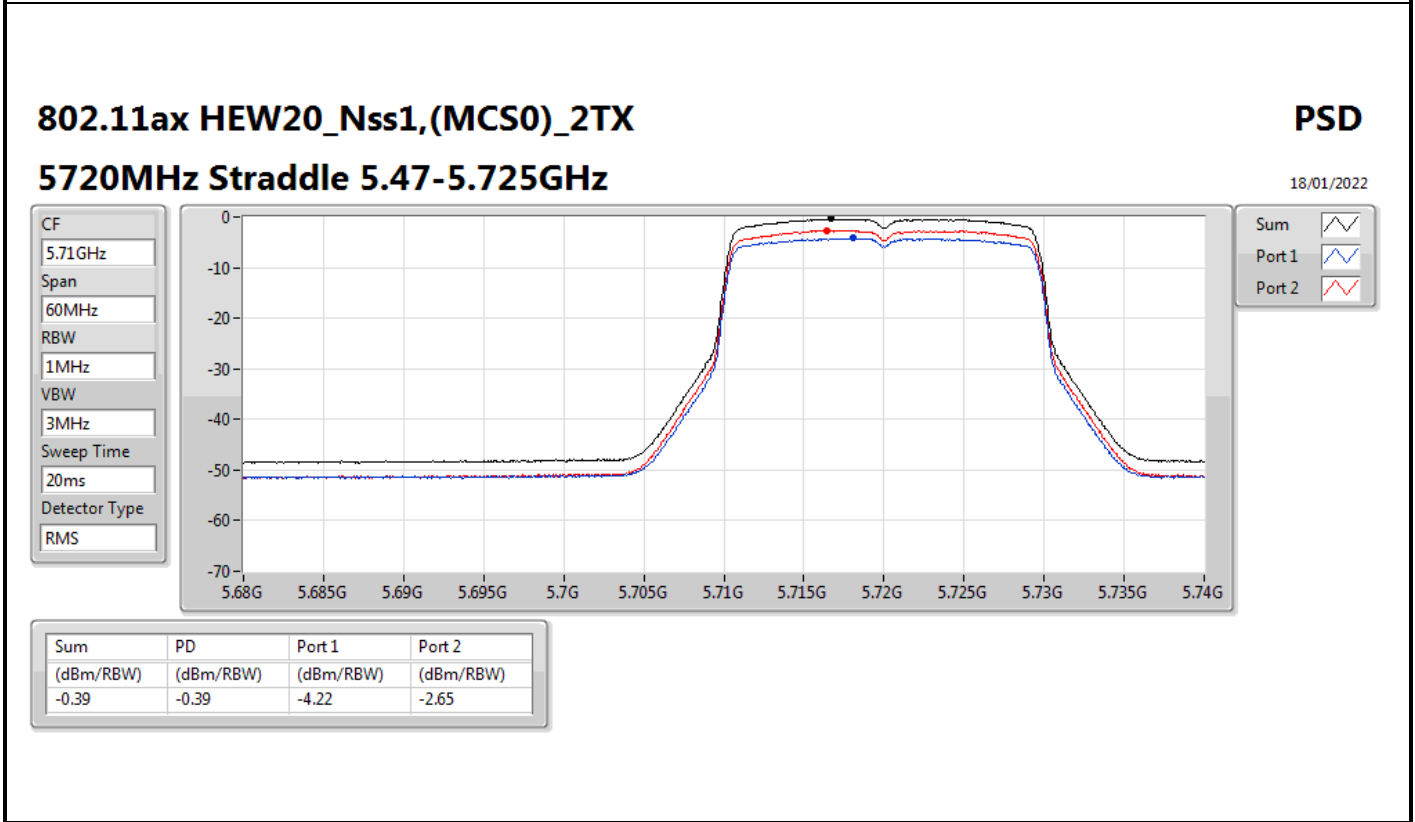
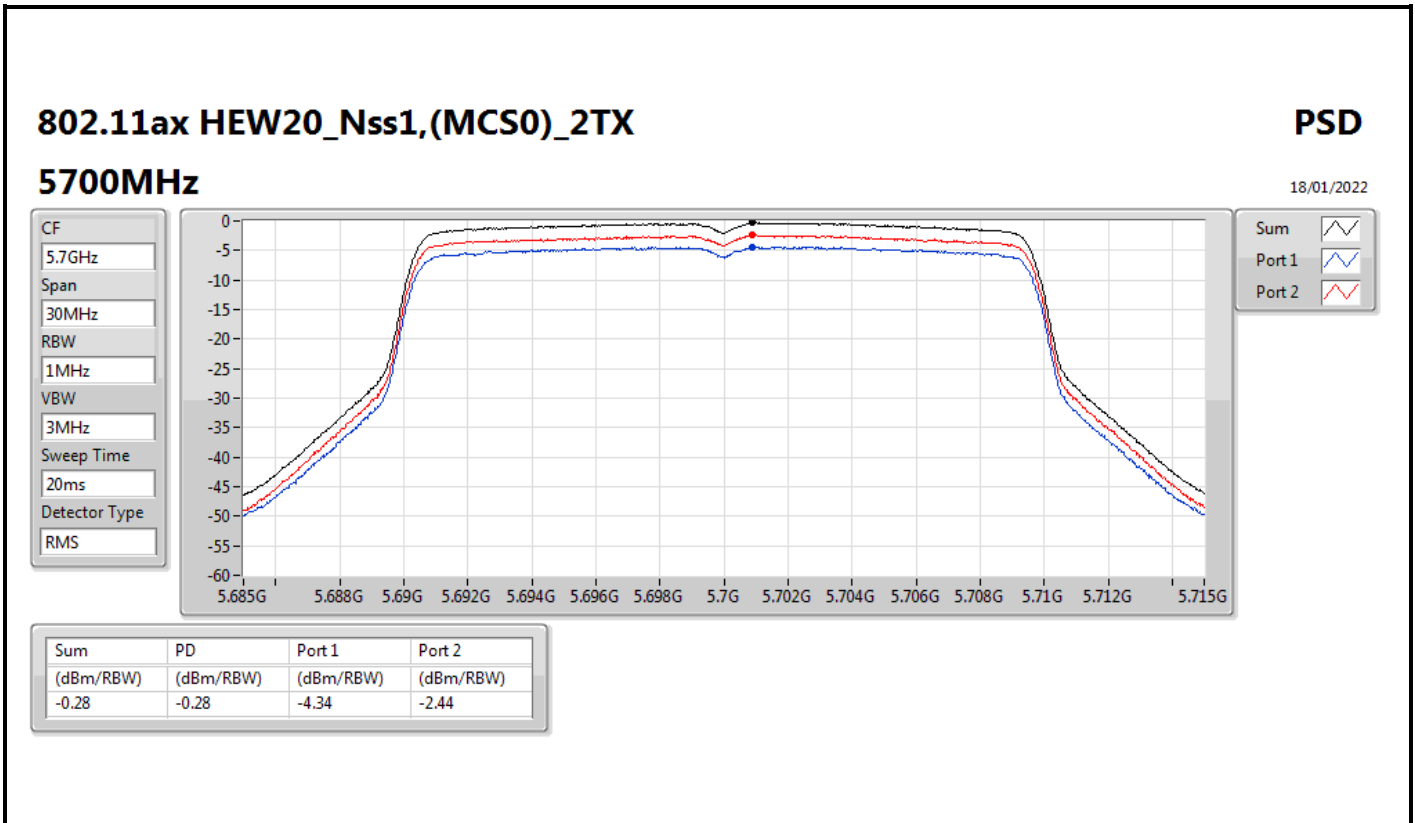
Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.06	-1.06	-4.55	-3.46







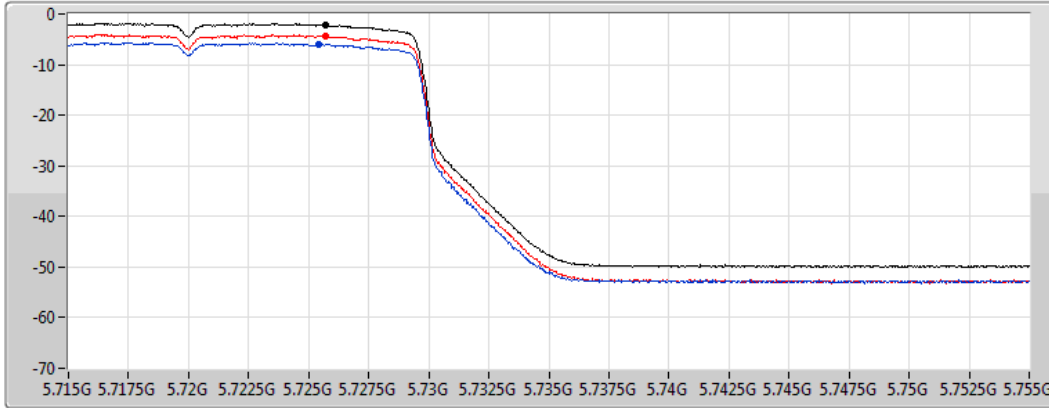





802.11ax HEW20_Nss1,(MCS0)_2TX
5720MHz Straddle 5.725-5.85GHz

PSD

18/01/2022

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



Sum 
 Port 1 
 Port 2 

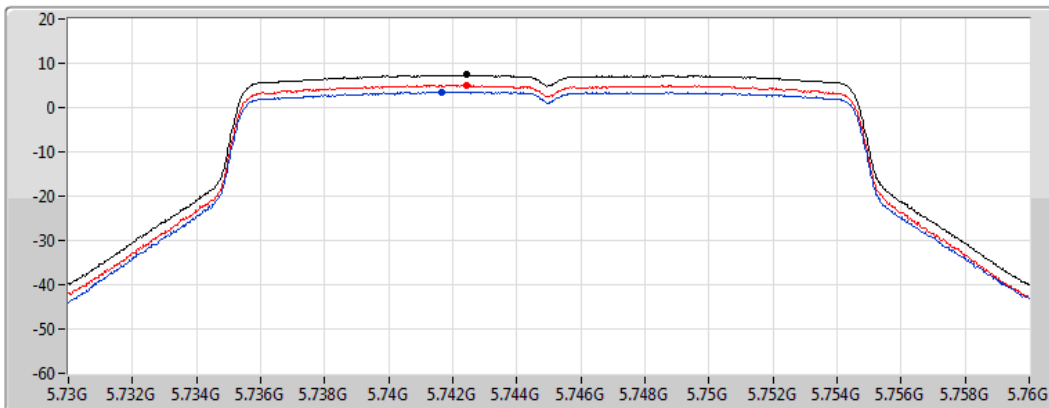
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.14	-2.14	-6.02	-4.39




802.11ax HEW20_Nss1,(MCS0)_2TX
5745MHz

PSD

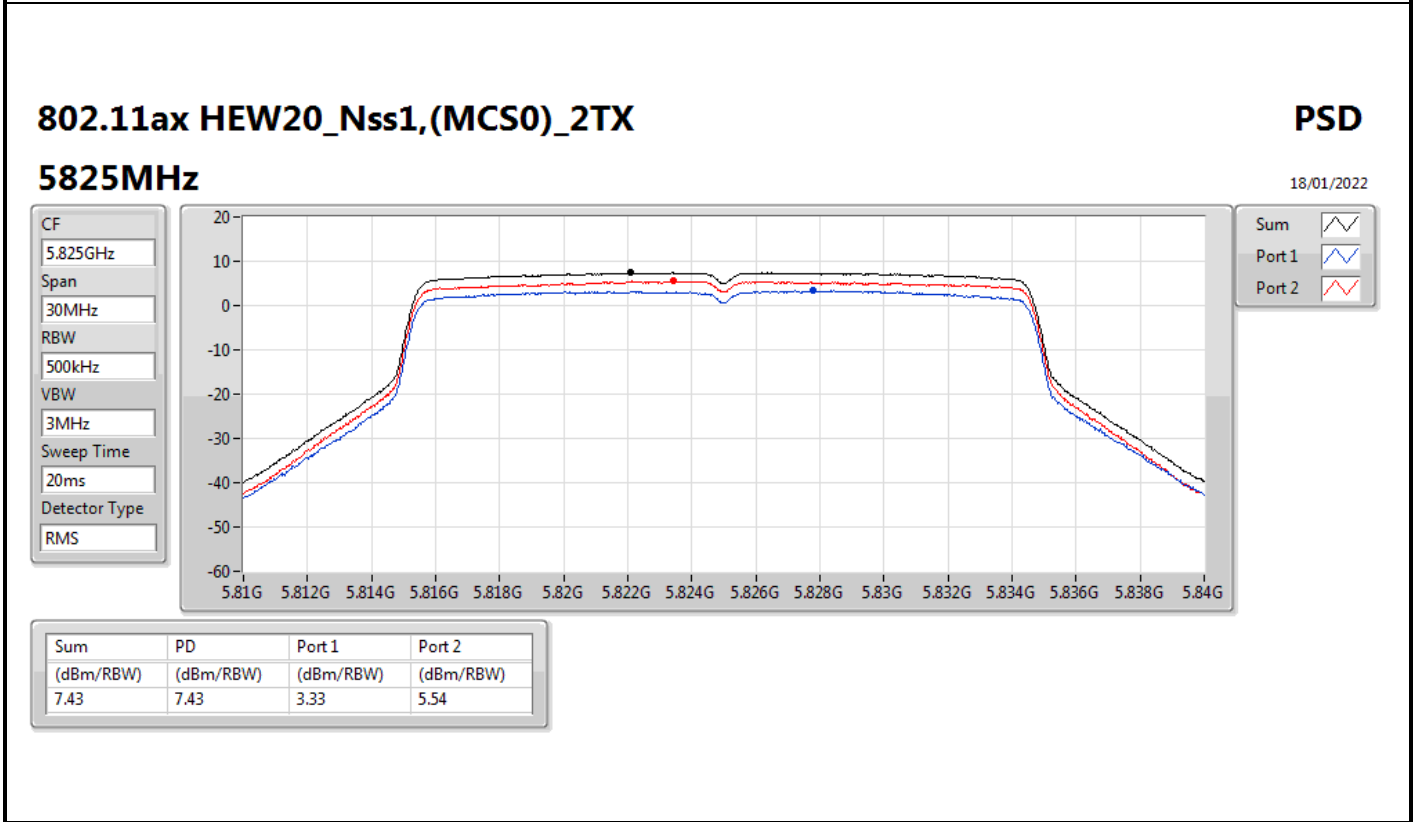
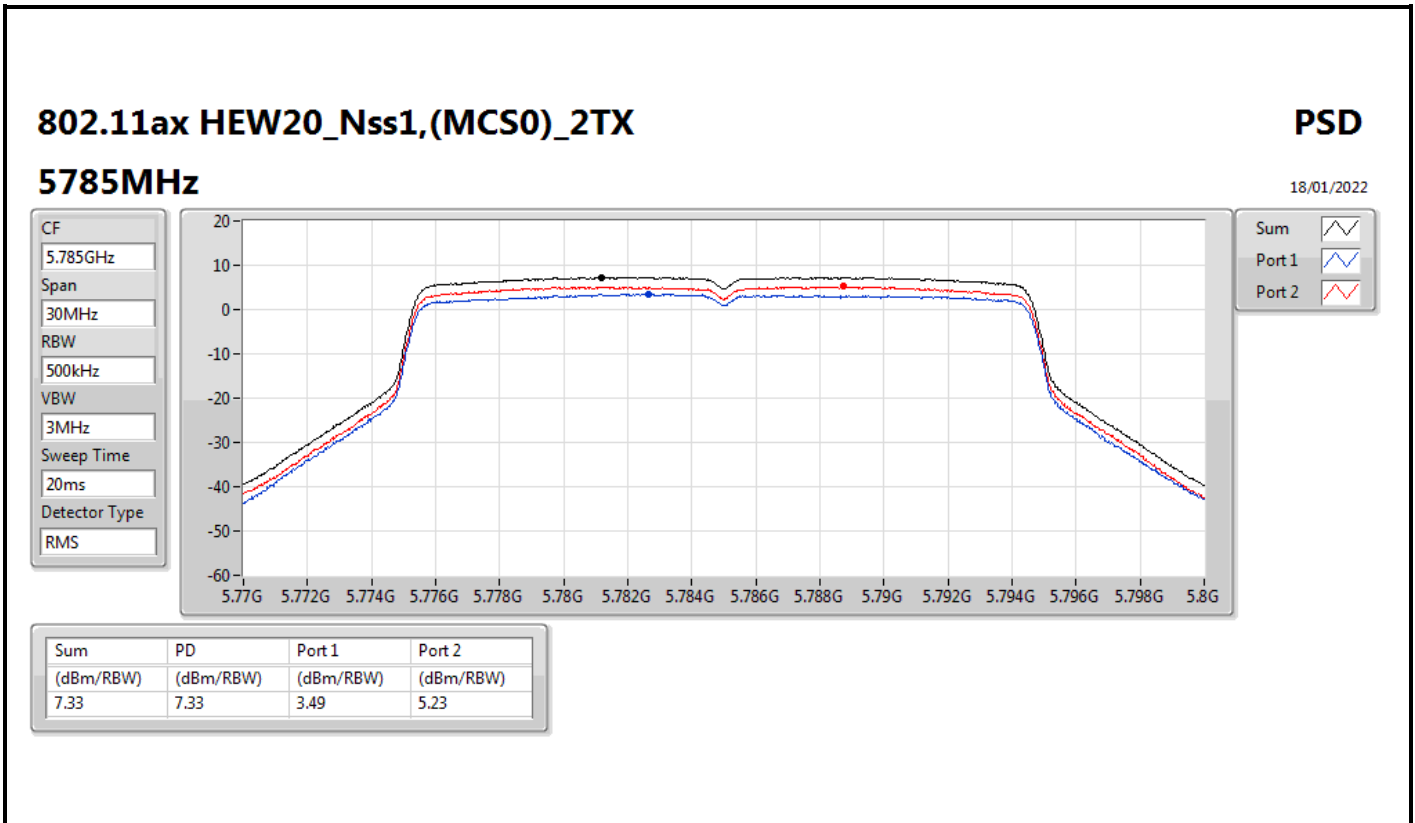
18/01/2022

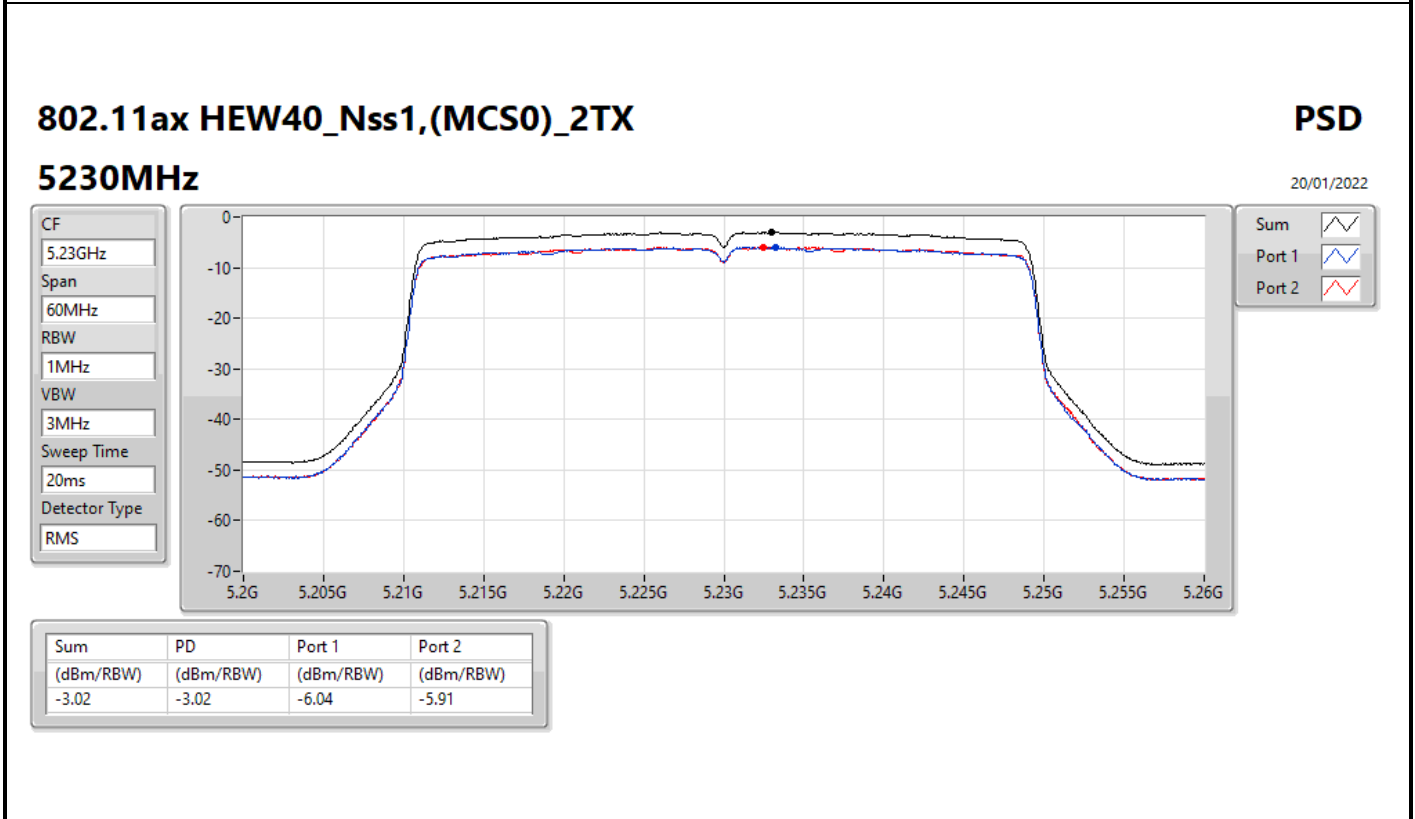
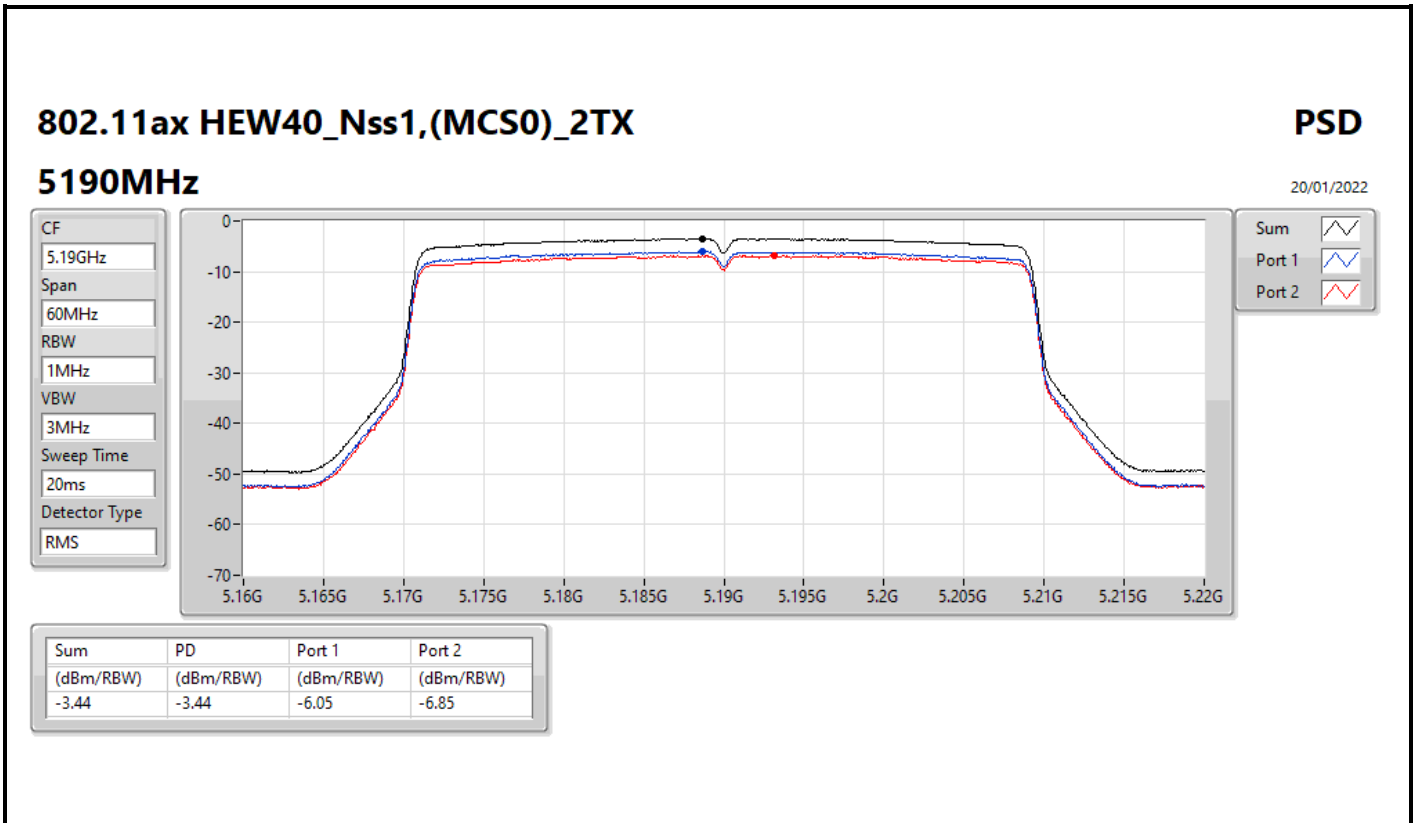
CF
 5.745GHz
 Span
 30MHz
 RBW
 500kHz
 VBW
 3MHz
 Sweep Time
 20ms
 Detector Type
 RMS

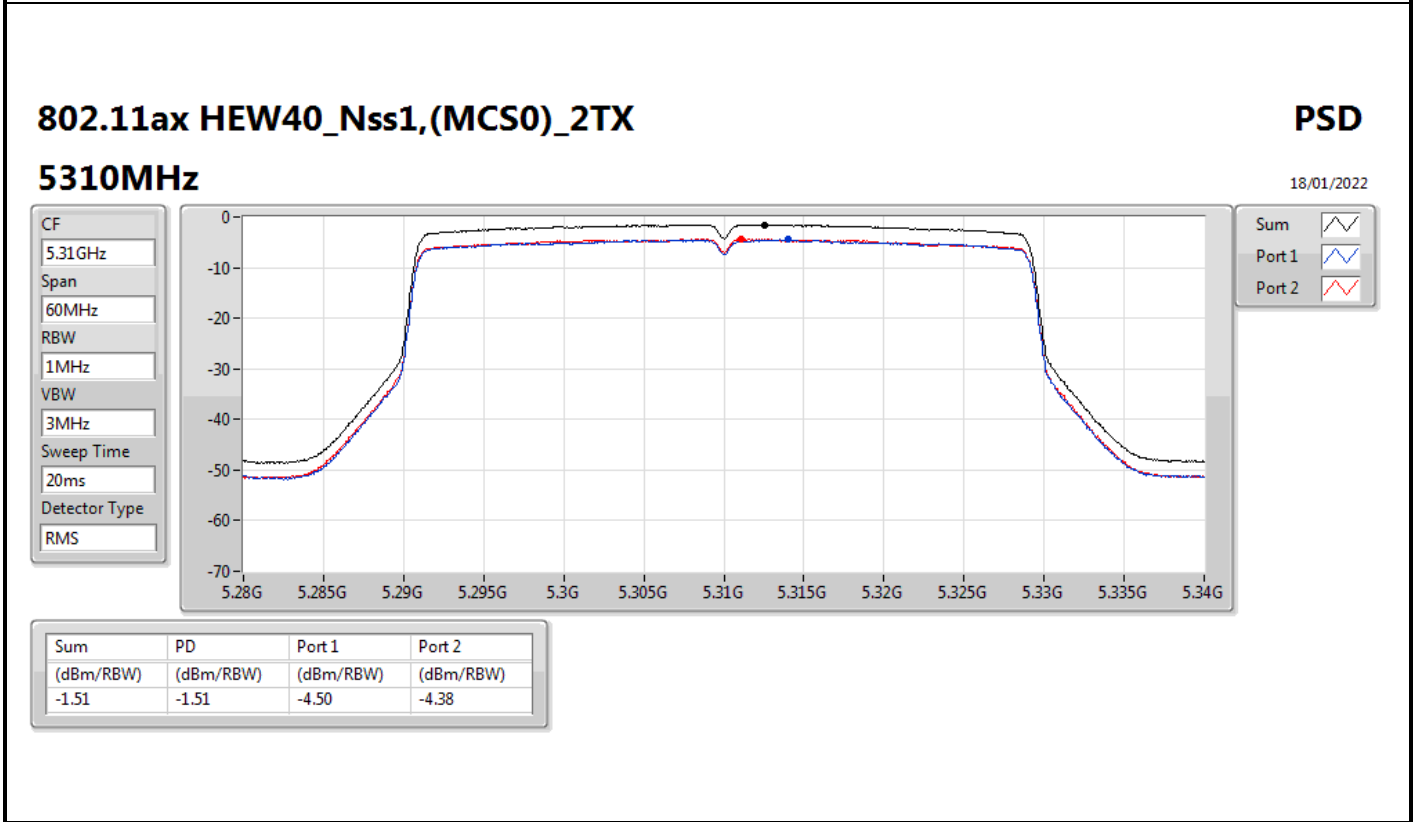
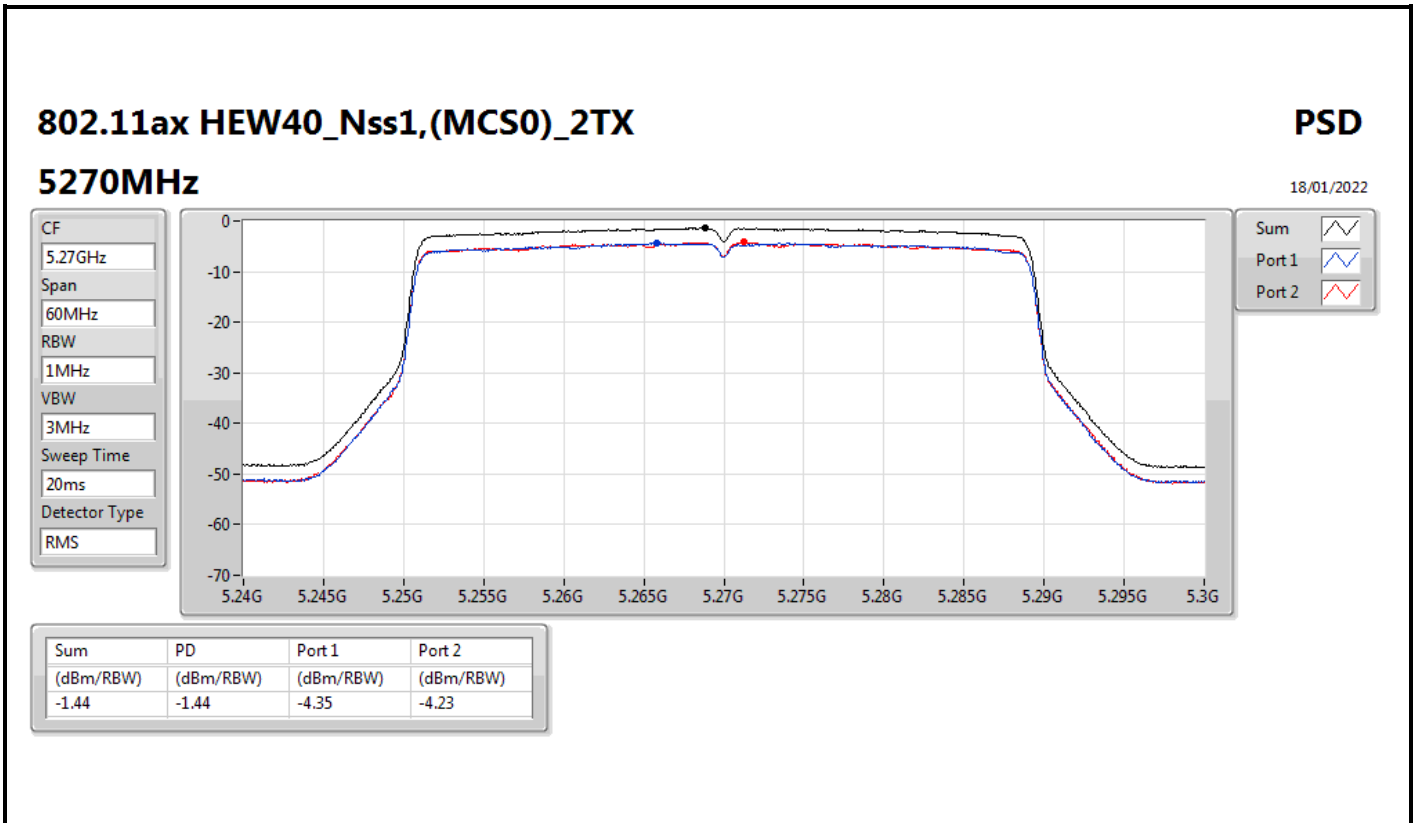


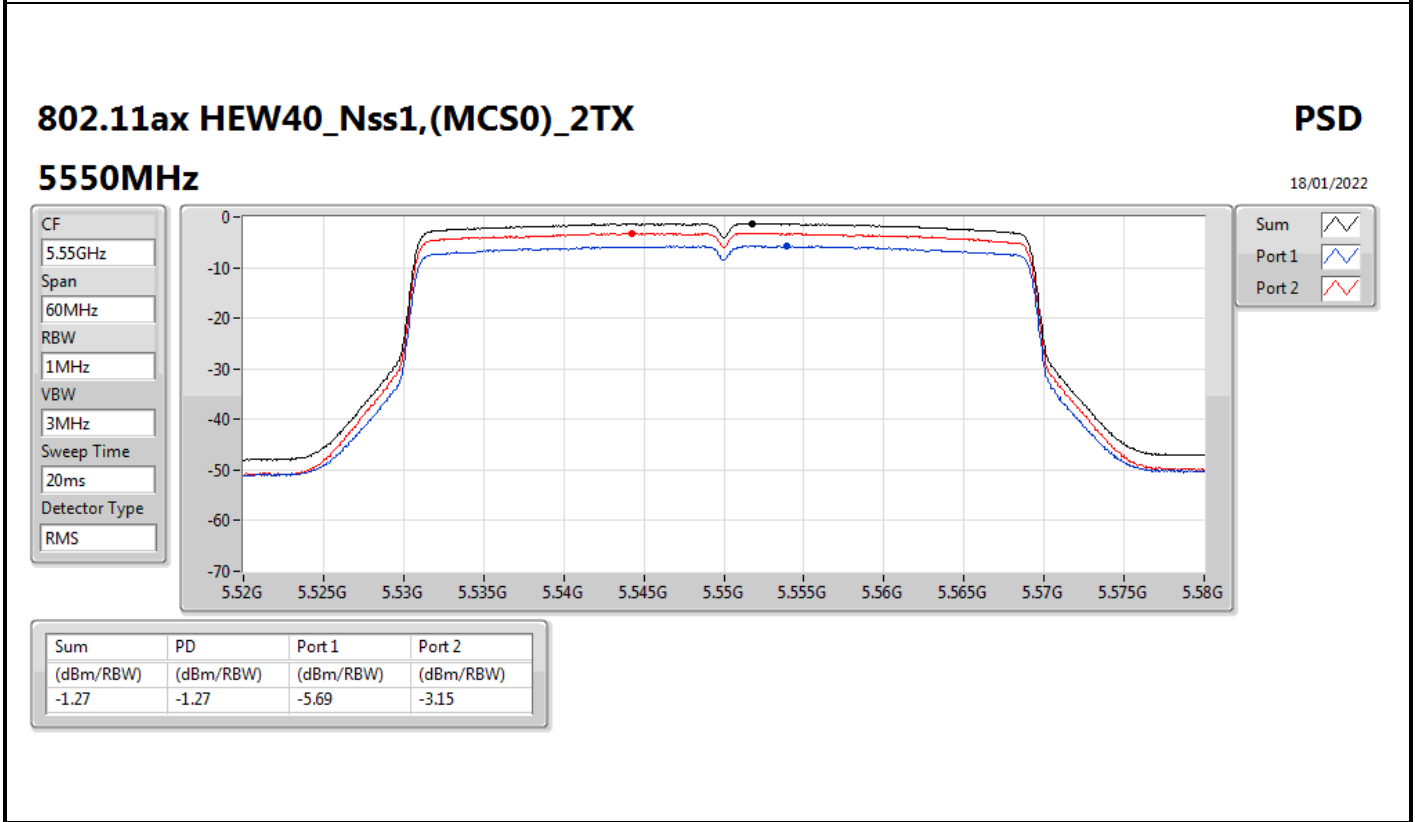
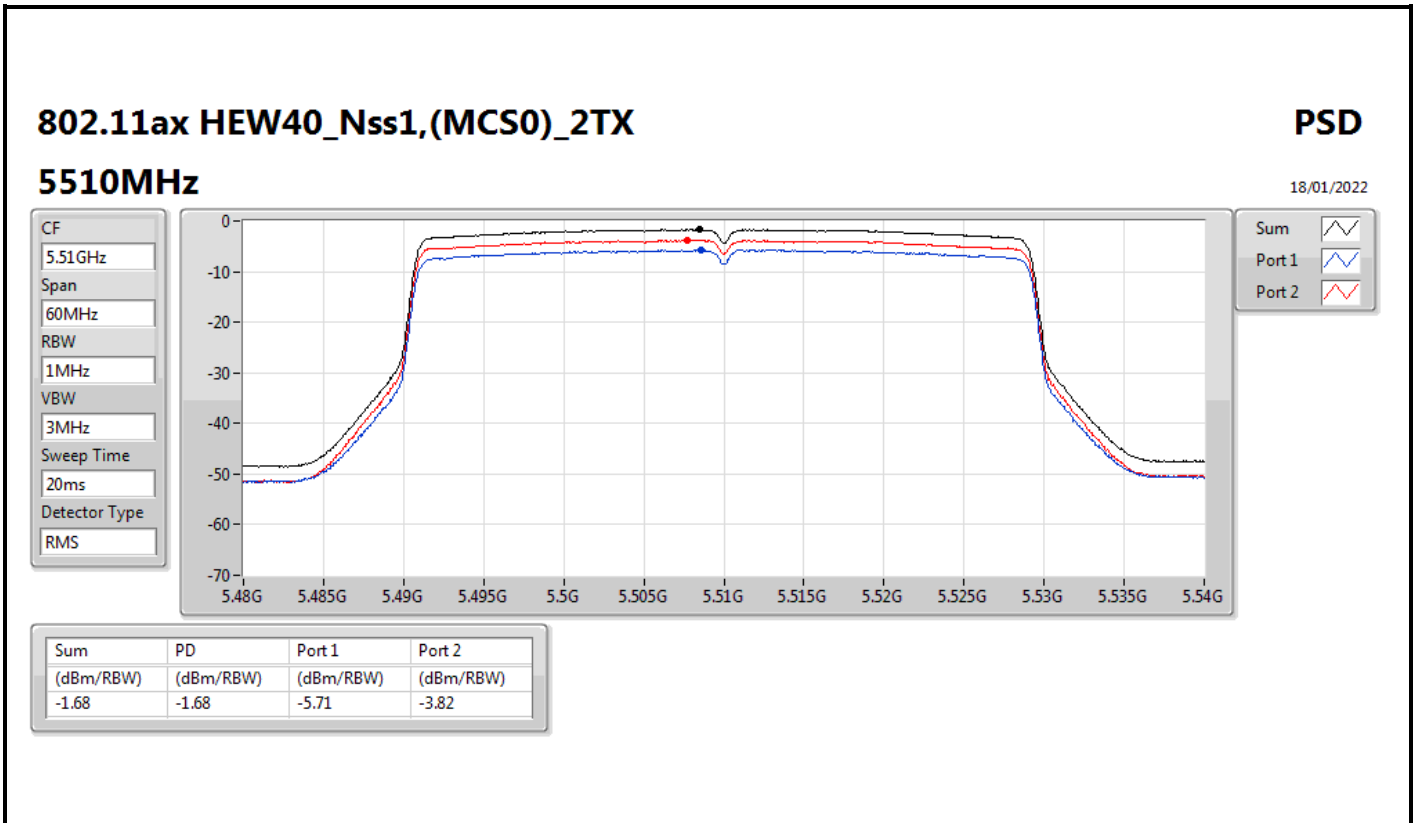
Sum 
 Port 1 
 Port 2 

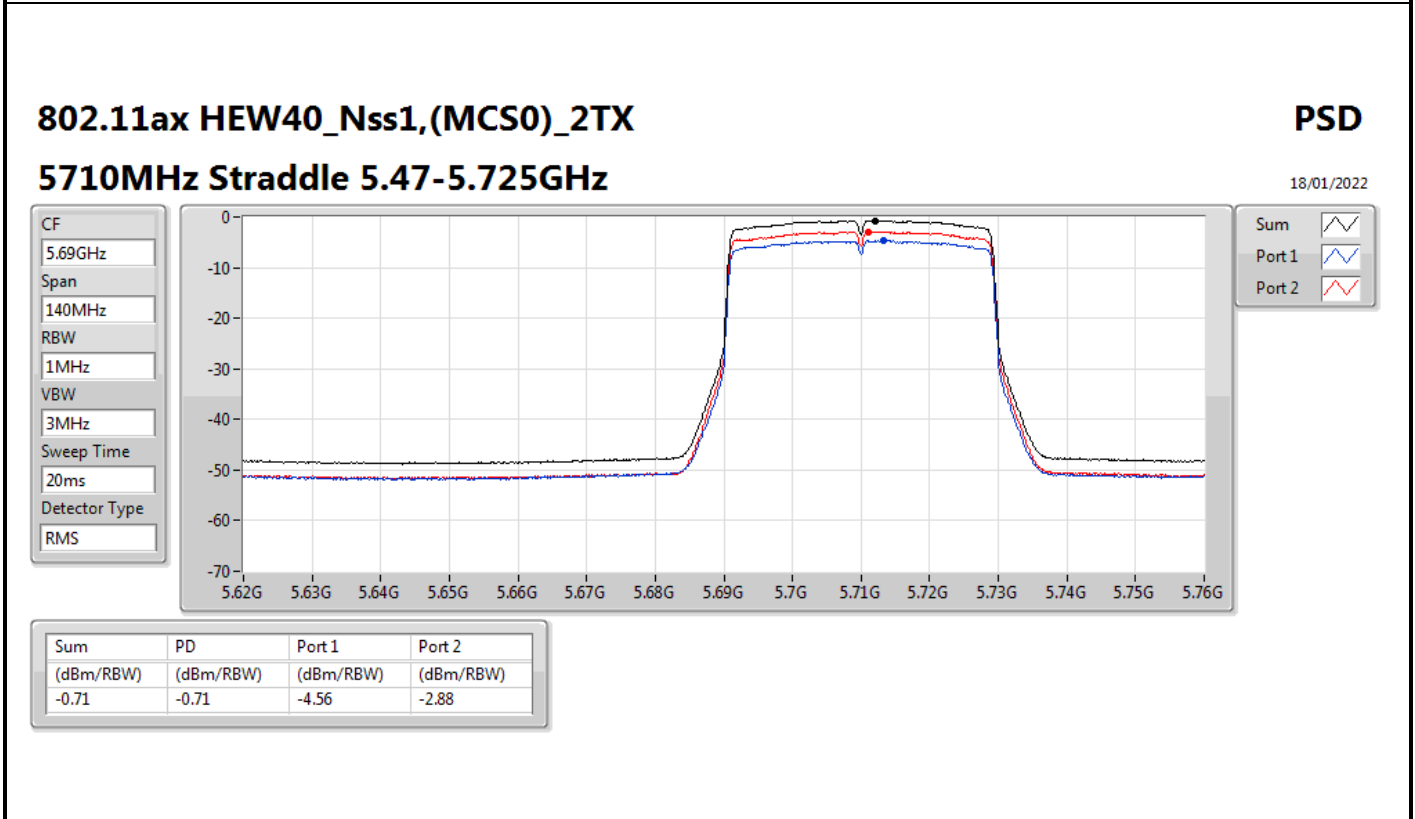
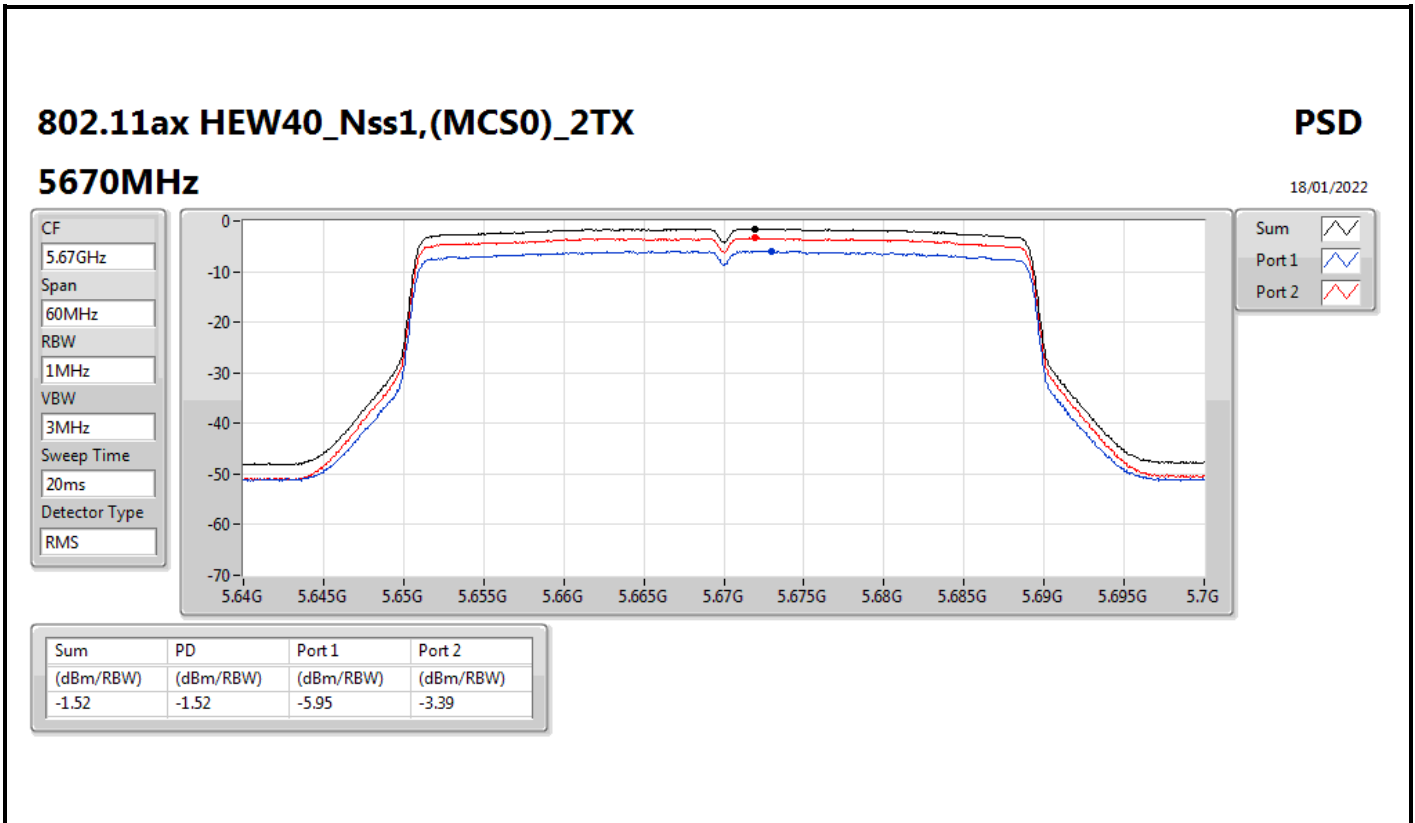
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.37	7.37	3.53	5.07









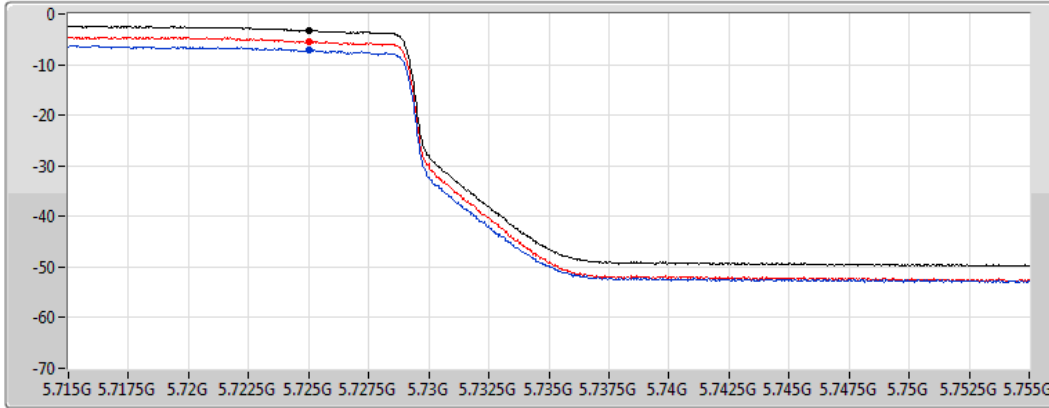





802.11ax HEW40_Nss1,(MCS0)_2TX
5710MHz Straddle 5.725-5.85GHz

PSD

18/01/2022

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



Sum 
 Port 1 
 Port 2 

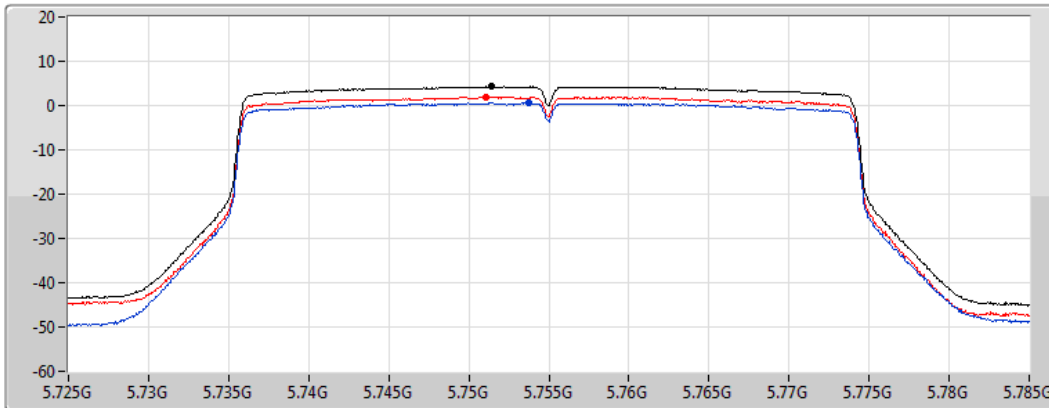
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.25	-3.25	-7.11	-5.46




802.11ax HEW40_Nss1,(MCS0)_2TX
5755MHz

PSD

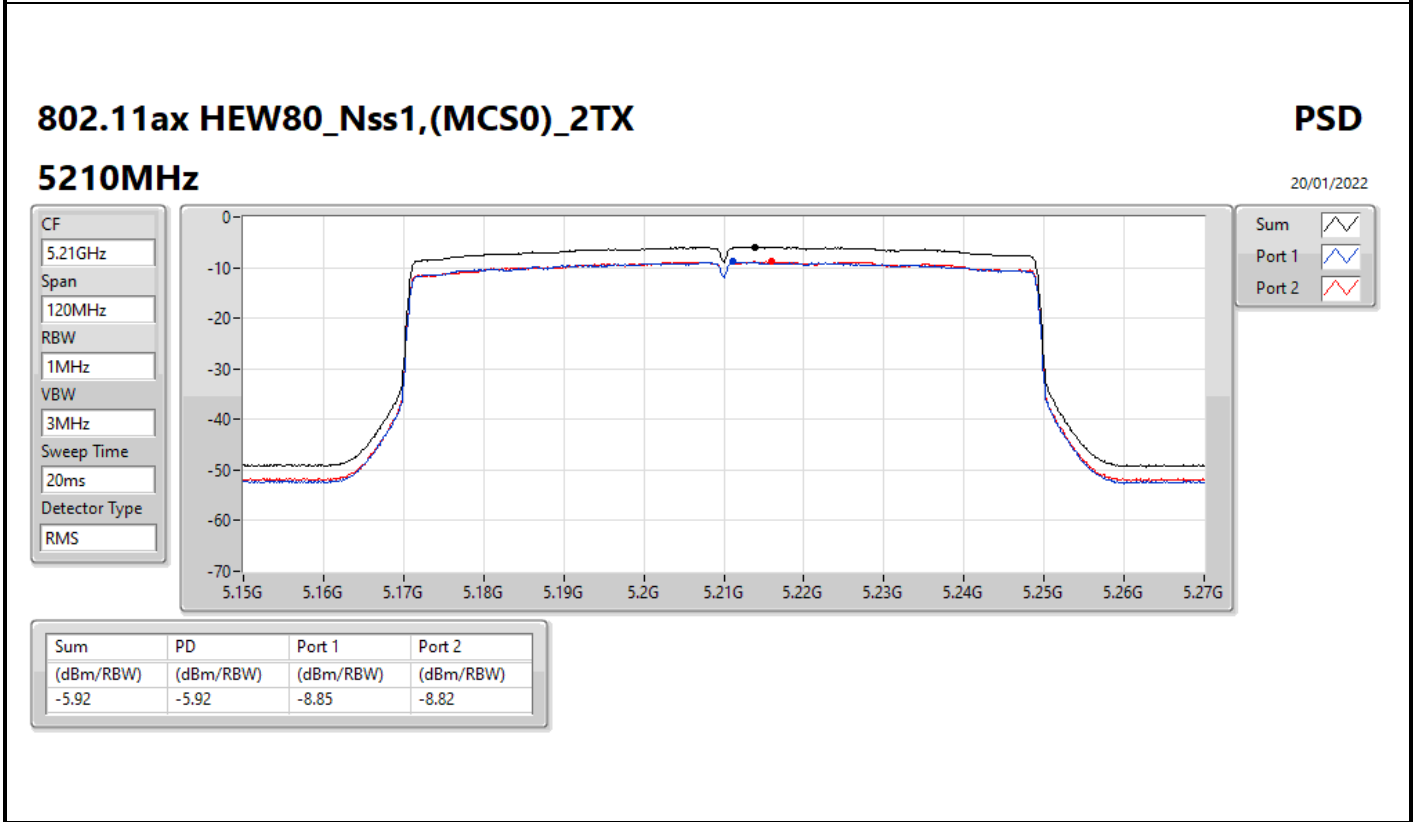
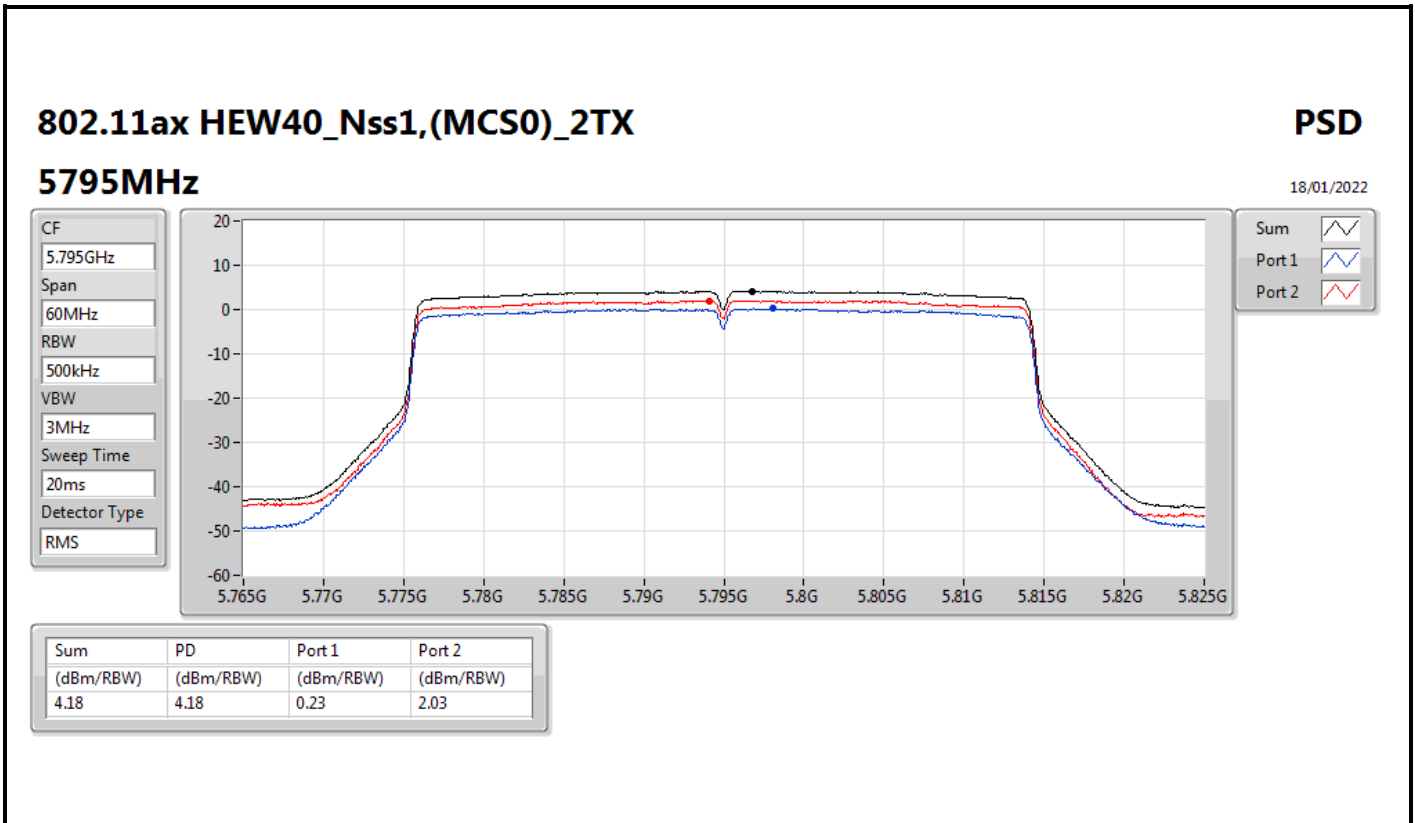
18/01/2022

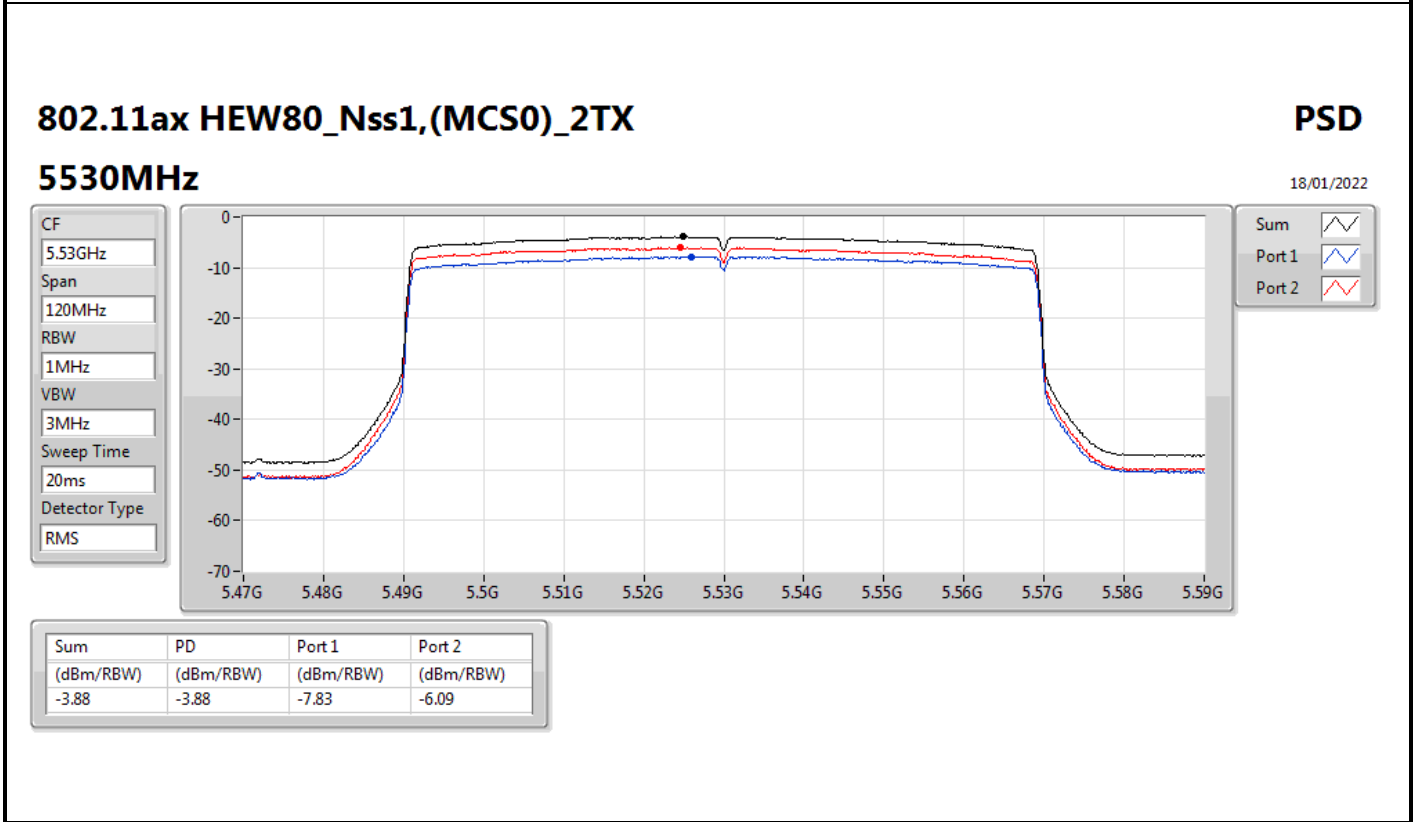
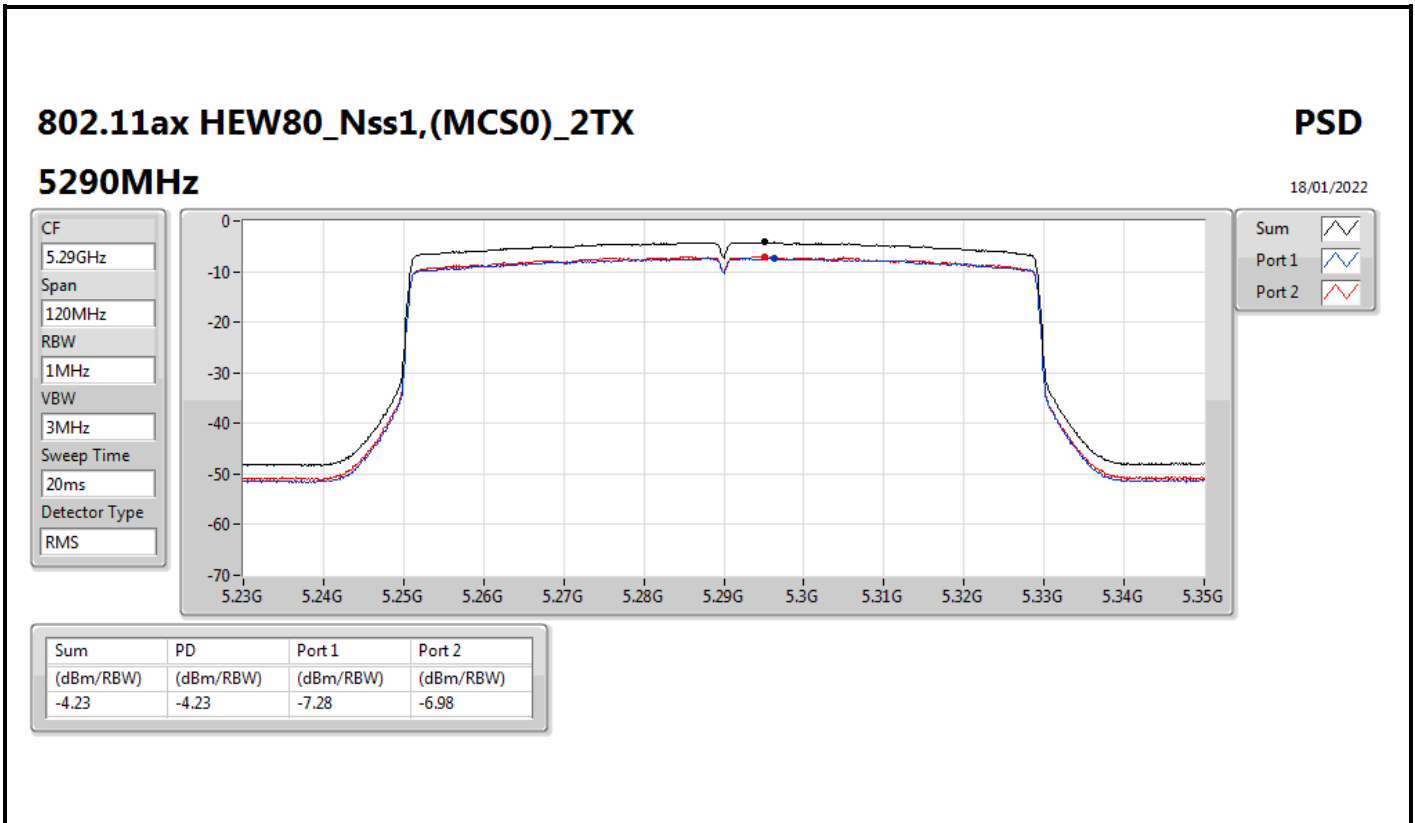
CF
 5.755GHz
 Span
 60MHz
 RBW
 500kHz
 VBW
 3MHz
 Sweep Time
 20ms
 Detector Type
 RMS

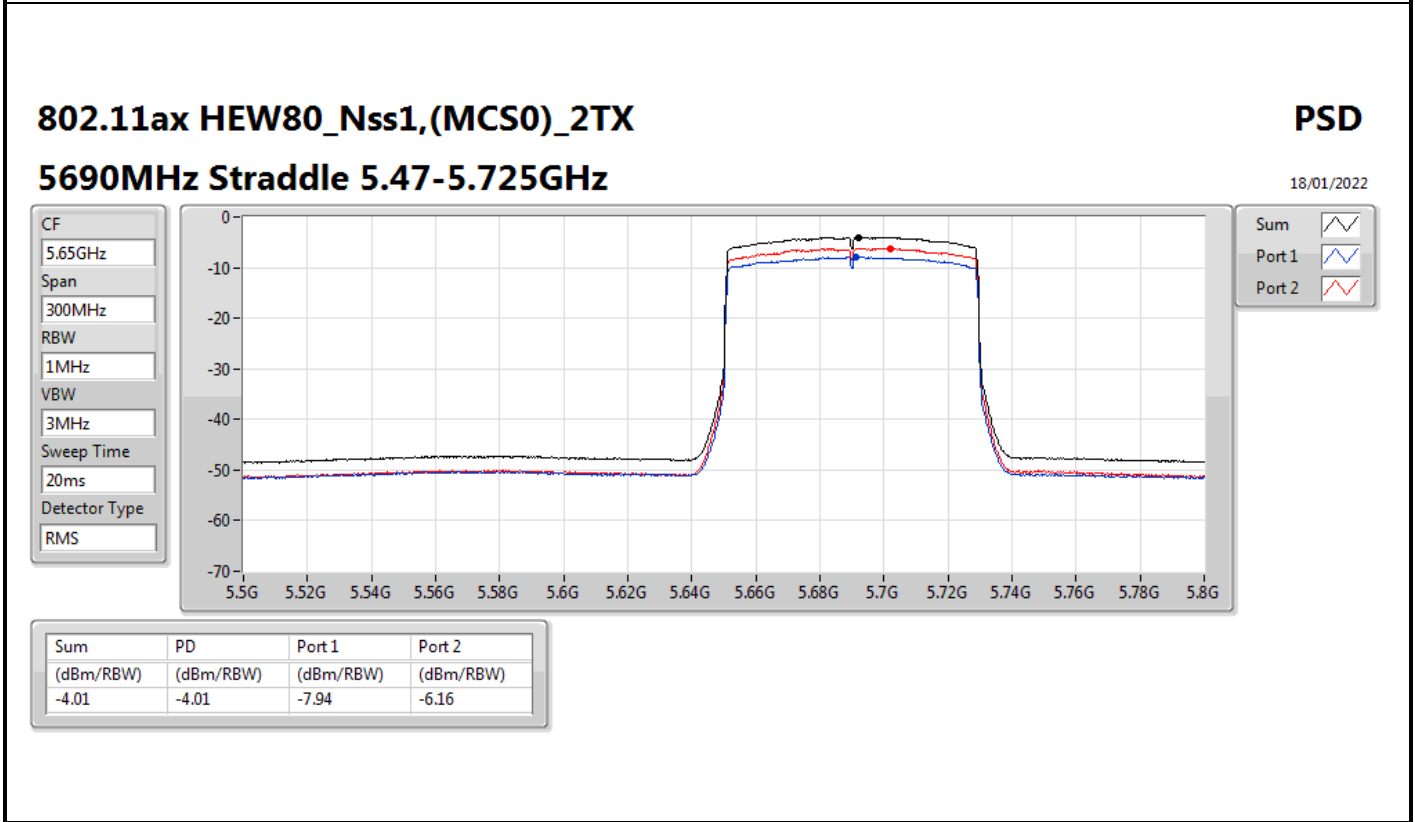
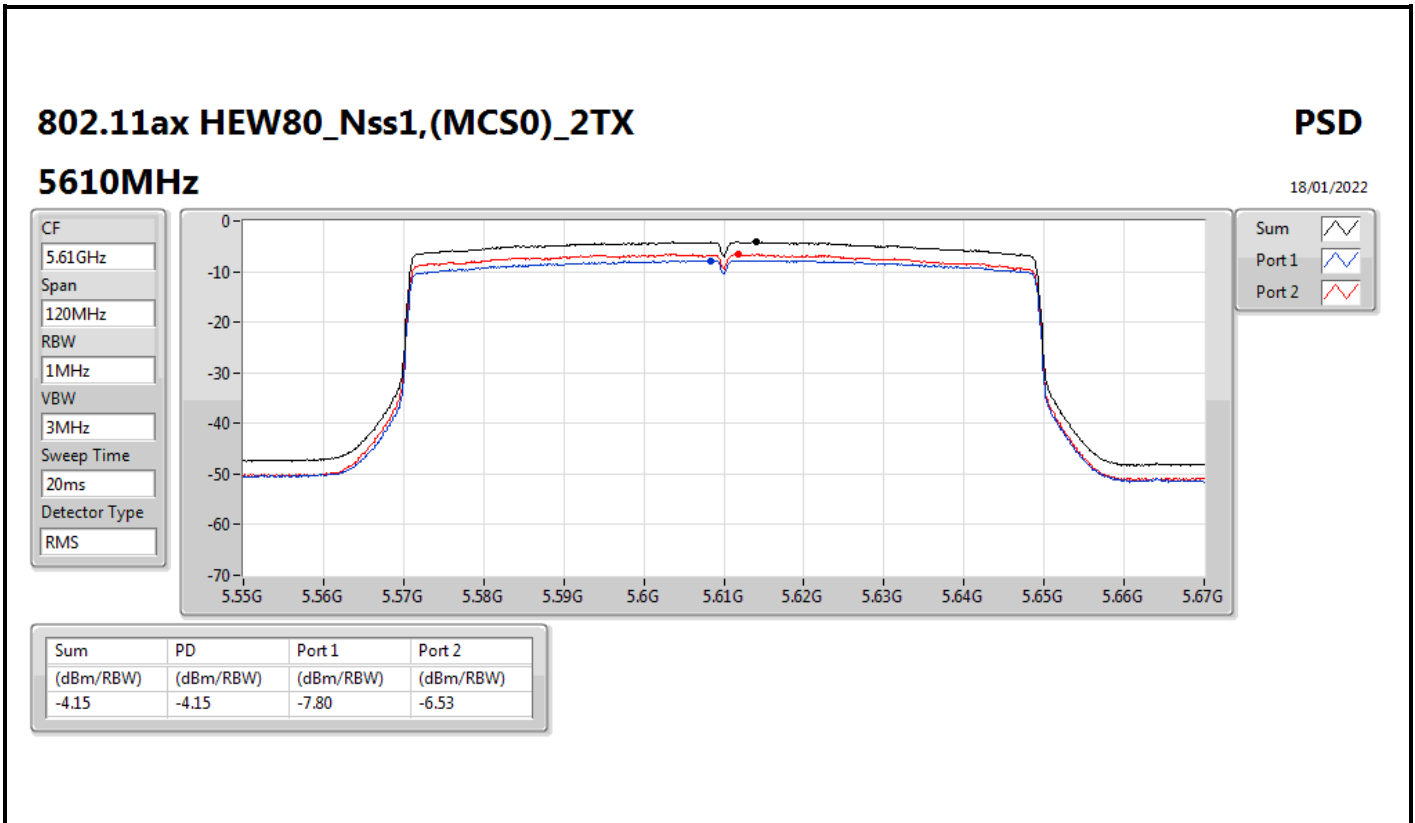


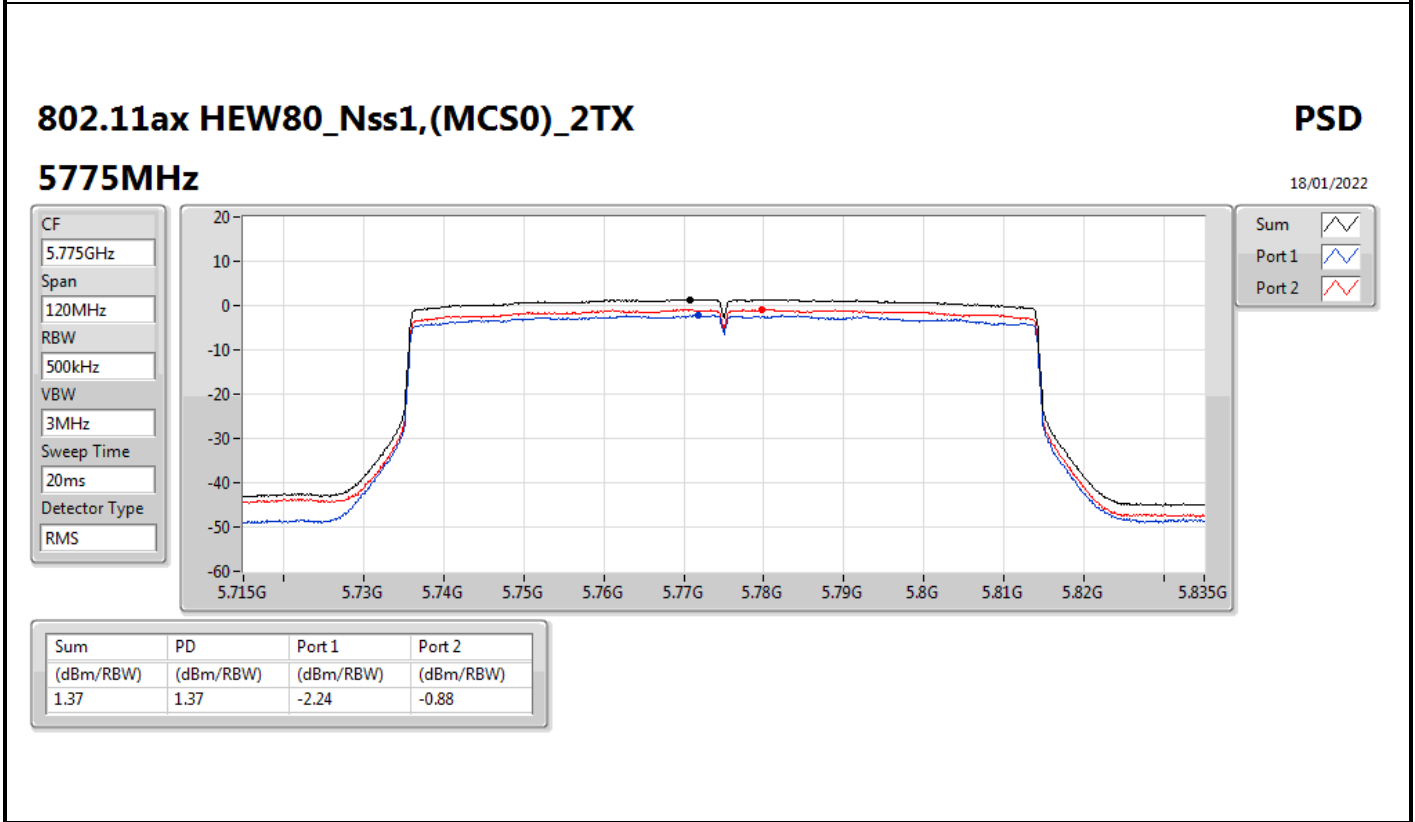
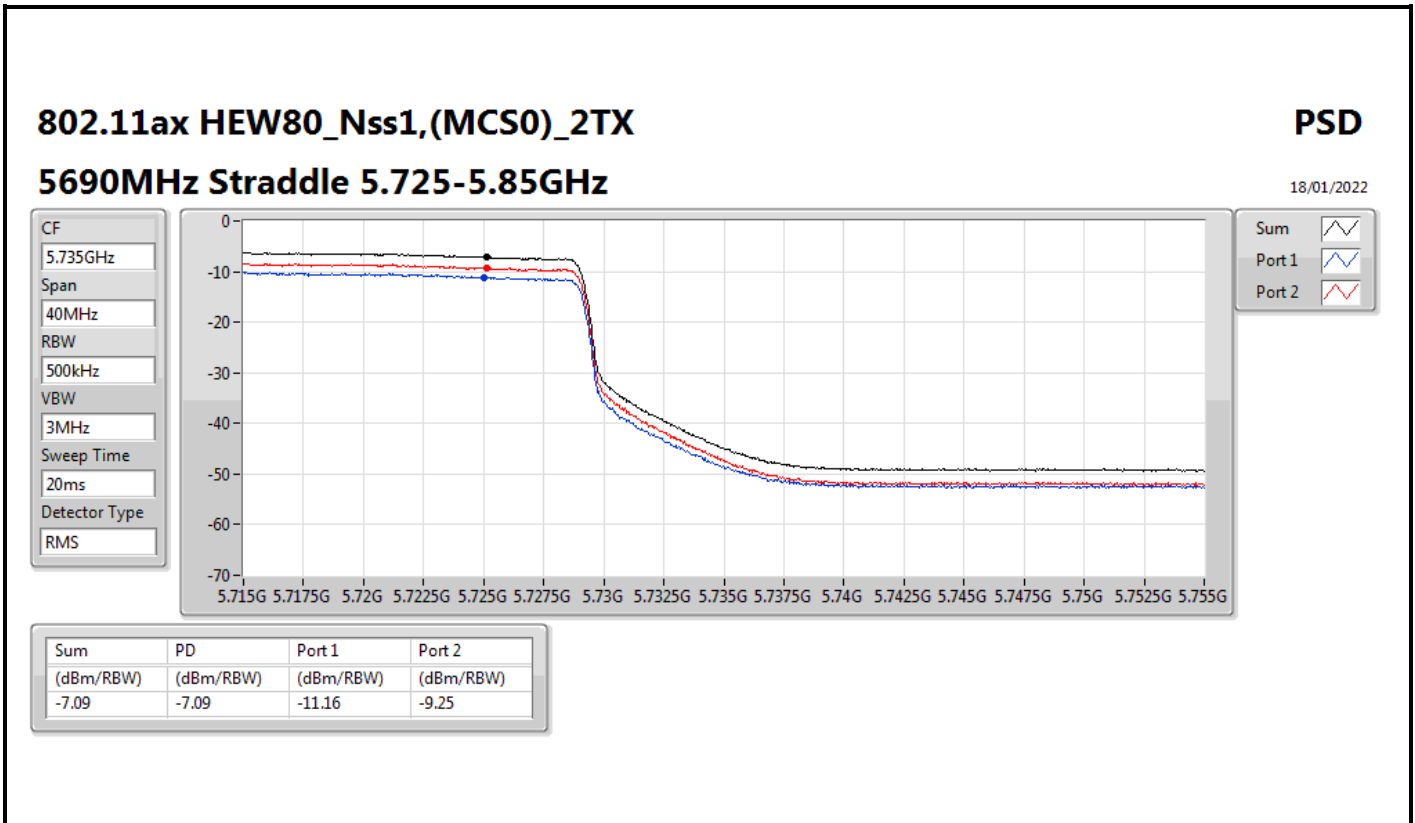
Sum 
 Port 1 
 Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.28	4.28	0.62	1.94











Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	QP	30.62M	36.73	40.00	-3.27	3	Vertical	24	1.00	-

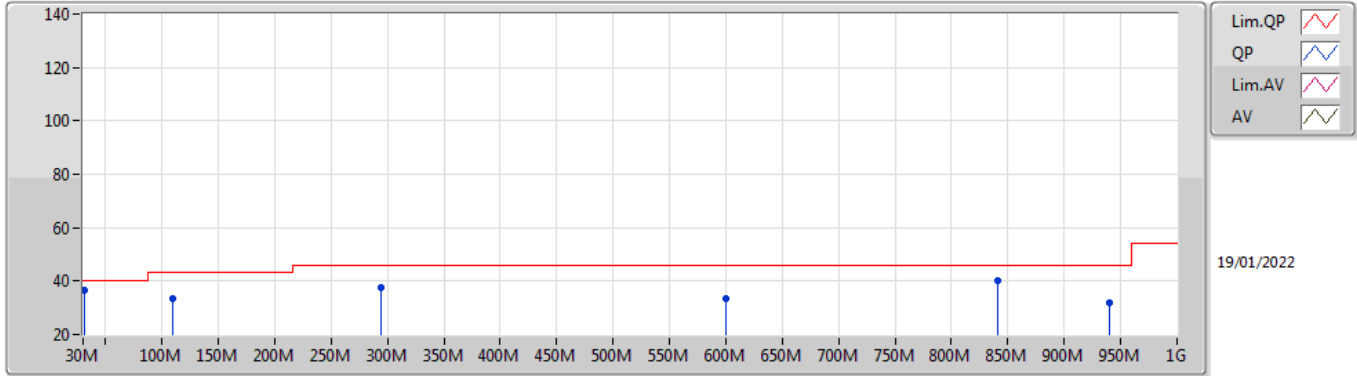


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	109.54M	33.65	43.50	-9.85	3	Vertical	360	1.00	-
5775MHz	Pass	PK	293.84M	37.80	46.00	-8.20	3	Vertical	360	1.00	-
5775MHz	Pass	PK	600.36M	33.69	46.00	-12.31	3	Vertical	360	1.00	-
5775MHz	Pass	PK	840.92M	40.05	46.00	-5.95	3	Vertical	360	1.00	-
5775MHz	Pass	PK	939.86M	32.10	46.00	-13.90	3	Vertical	360	1.00	-
5775MHz	Pass	QP	30.62M	36.73	40.00	-3.27	3	Vertical	24	1.00	-
5775MHz	Pass	PK	76.56M	34.77	40.00	-5.23	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	109.54M	33.09	43.50	-10.41	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	297.72M	36.05	46.00	-9.95	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	482.02M	35.89	46.00	-10.11	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	652.74M	29.23	46.00	-16.77	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	934.04M	36.85	46.00	-9.15	3	Horizontal	0	1.00	-

802.11ax HEW80_Nss1,(MCS0)_2TX

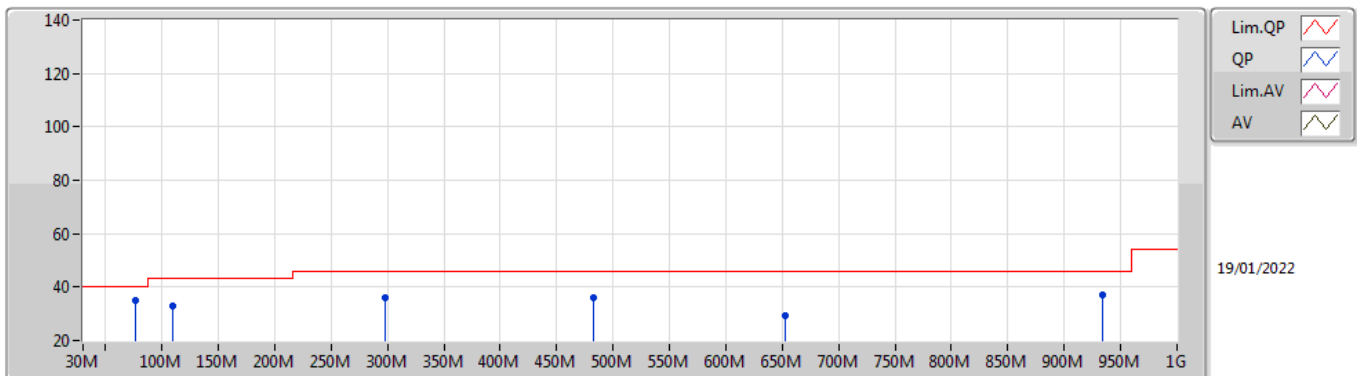
5775MHz_PoE



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	109.54M	33.65	43.50	-9.85	-19.52	3	Vertical	360	1.00	-	53.17	16.11	1.02	36.65
PK	293.84M	37.80	46.00	-8.20	-16.42	3	Vertical	360	1.00	-	54.22	18.36	1.65	36.43
PK	600.36M	33.69	46.00	-12.31	-9.89	3	Vertical	360	1.00	-	43.58	24.76	2.47	37.12
PK	840.92M	40.05	46.00	-5.95	-6.30	3	Vertical	360	1.00	-	46.35	28.39	2.91	37.60
PK	939.86M	32.10	46.00	-13.90	-4.94	3	Vertical	360	1.00	-	37.04	29.55	3.08	37.57
QP	30.62M	36.73	40.00	-3.27	-13.16	3	Vertical	24	1.00	-	49.89	23.41	0.57	37.14

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_PoE



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	76.56M	34.77	40.00	-5.23	-23.90	3	Horizontal	0	1.00	-	58.67	12.14	0.87	36.91
PK	109.54M	33.09	43.50	-10.41	-19.52	3	Horizontal	0	1.00	-	52.61	16.11	1.02	36.65
PK	297.72M	36.05	46.00	-9.95	-16.40	3	Horizontal	0	1.00	-	52.45	18.38	1.66	36.44
PK	482.02M	35.89	46.00	-10.11	-11.82	3	Horizontal	0	1.00	-	47.71	22.86	2.18	36.86
PK	652.74M	29.23	46.00	-16.77	-9.00	3	Horizontal	0	1.00	-	38.23	25.63	2.62	37.25
PK	934.04M	36.85	46.00	-9.15	-5.21	3	Horizontal	0	1.00	-	42.06	29.29	3.07	37.57



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	Pass	QP	59.16M	39.10	40.00	-0.90	3	Vertical	3	1.00	-

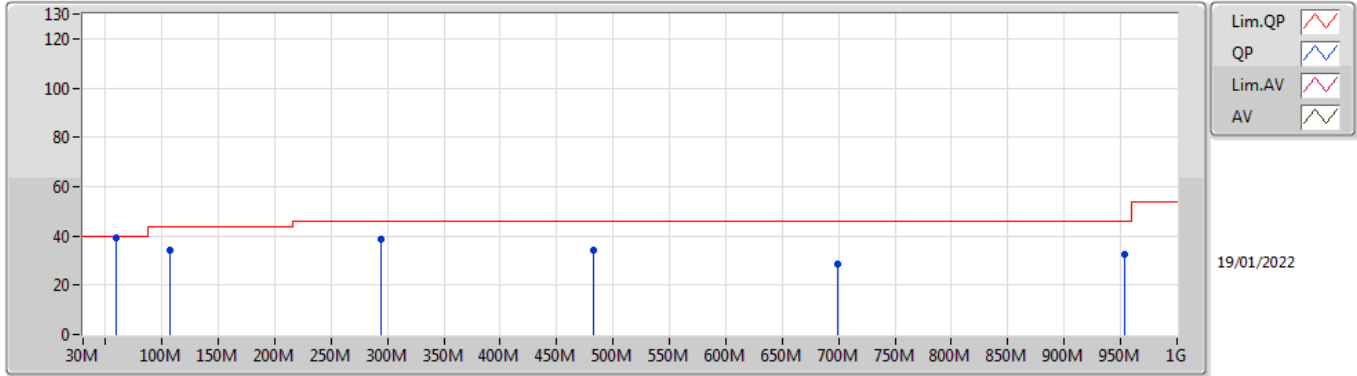


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	107.6M	34.08	43.50	-9.42	3	Vertical	0	1.00	-
5775MHz	Pass	PK	293.84M	38.69	46.00	-7.31	3	Vertical	0	1.00	-
5775MHz	Pass	PK	482.02M	34.09	46.00	-11.91	3	Vertical	0	1.00	-
5775MHz	Pass	PK	699.3M	28.51	46.00	-17.49	3	Vertical	0	1.00	-
5775MHz	Pass	PK	953.44M	32.41	46.00	-13.59	3	Vertical	0	1.00	-
5775MHz	Pass	OP	59.16M	39.10	40.00	-0.90	3	Vertical	3	1.00	-
5775MHz	Pass	PK	59.1M	36.13	40.00	-3.87	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	198.78M	30.65	43.50	-12.85	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	295.78M	35.81	46.00	-10.19	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	480.08M	36.82	46.00	-9.18	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	701.24M	31.92	46.00	-14.08	3	Horizontal	360	1.00	-
5775MHz	Pass	PK	941.8M	35.28	46.00	-10.72	3	Horizontal	360	1.00	-

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

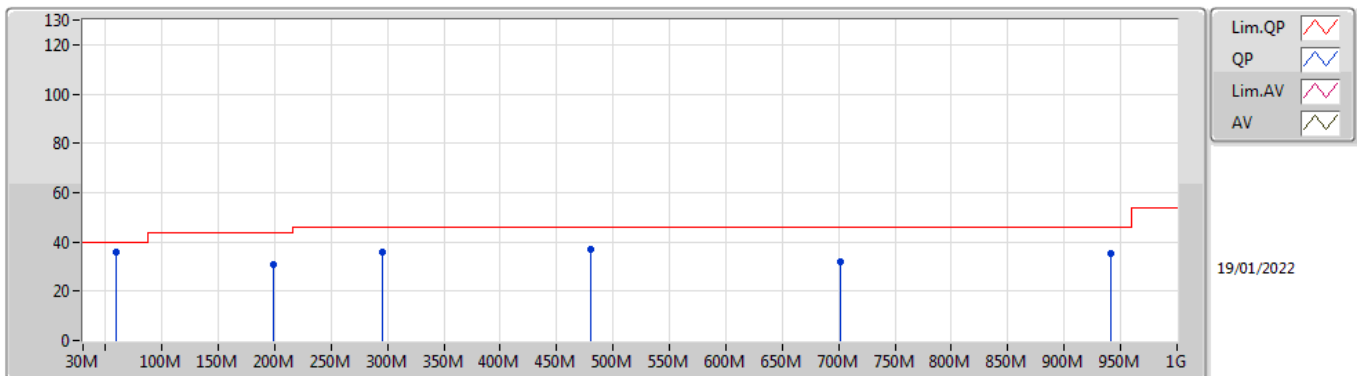
5775MHz_PoE



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	107.6M	34.08	43.50	-9.42	-19.63	3	Vertical	0	1.00	-	53.71	16.00	1.01	36.64
PK	293.84M	38.69	46.00	-7.31	-16.42	3	Vertical	0	1.00	-	55.11	18.36	1.65	36.43
PK	482.02M	34.09	46.00	-11.91	-11.82	3	Vertical	0	1.00	-	45.91	22.86	2.18	36.86
PK	699.3M	28.51	46.00	-17.49	-8.82	3	Vertical	0	1.00	-	37.33	25.79	2.68	37.29
PK	953.44M	32.41	46.00	-13.59	-4.37	3	Vertical	0	1.00	-	36.78	30.07	3.10	37.54
QP	59.16M	39.10	40.00	-0.90	-25.20	3	Vertical	3	1.00	-	64.30	11.05	0.82	37.07

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5775MHz_PoE



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	59.1M	36.13	40.00	-3.87	-25.19	3	Horizontal	360	1.00	-	61.32	11.06	0.82	37.07
PK	198.78M	30.65	43.50	-12.85	-20.69	3	Horizontal	360	1.00	-	51.34	14.27	1.32	36.28
PK	295.78M	35.81	46.00	-10.19	-16.39	3	Horizontal	360	1.00	-	52.20	18.39	1.66	36.44
PK	480.08M	36.82	46.00	-9.18	-11.84	3	Horizontal	360	1.00	-	48.66	22.82	2.18	36.84
PK	701.24M	31.92	46.00	-14.08	-8.82	3	Horizontal	360	1.00	-	40.74	25.80	2.68	37.30
PK	941.8M	35.28	46.00	-10.72	-4.84	3	Horizontal	360	1.00	-	40.12	29.65	3.08	37.57



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.15G	53.69	54.00	-0.31	3	Vertical	339	1.74	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	5.15G	53.55	54.00	-0.45	3	Vertical	339	1.86	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	5.1498G	53.80	54.00	-0.20	3	Vertical	344	1.81	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.15G	52.97	54.00	-1.03	3	Vertical	335	1.86	-
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.353G	53.73	54.00	-0.27	3	Vertical	339	1.76	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	5.3536G	53.51	54.00	-0.49	3	Vertical	338	1.77	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	5.35G	53.07	54.00	-0.93	3	Vertical	341	1.83	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.356G	53.57	54.00	-0.43	3	Vertical	338	1.78	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.4598G	53.69	54.00	-0.31	3	Vertical	336	1.74	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	5.392G	53.80	54.00	-0.20	3	Vertical	360	1.79	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	5.726G	67.97	68.20	-0.23	3	Vertical	360	1.88	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	PK	5.729G	67.49	68.20	-0.71	3	Vertical	0	1.83	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.5894G	67.83	68.20	-0.37	3	Vertical	4	1.87	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	PK	5.9234G	69.02	69.38	-0.36	3	Vertical	3	1.85	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	PK	5.647G	67.25	68.20	-0.95	3	Vertical	0	1.84	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	PK	5.6478G	66.23	68.20	-1.97	3	Vertical	0	1.85	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	53.45	54.00	-0.55	3	Vertical	336	1.81	-
5180MHz	Pass	AV	5.1764G	114.06	Inf	-Inf	3	Vertical	336	1.81	-
5180MHz	Pass	PK	5.15G	62.73	74.00	-11.27	3	Vertical	336	1.81	-
5180MHz	Pass	PK	5.177G	122.00	Inf	-Inf	3	Vertical	336	1.81	-
5180MHz	Pass	AV	5.0876G	52.66	54.00	-1.34	3	Horizontal	6	1.80	-
5180MHz	Pass	AV	5.1836G	113.01	Inf	-Inf	3	Horizontal	6	1.80	-
5180MHz	Pass	PK	5.15G	60.35	74.00	-13.65	3	Horizontal	6	1.80	-
5180MHz	Pass	PK	5.183G	120.31	Inf	-Inf	3	Horizontal	6	1.80	-
5180MHz	Pass	AV	15.53834G	46.16	54.00	-7.84	3	Vertical	32	1.50	-
5180MHz	Pass	PK	10.36079G	54.34	68.20	-13.86	3	Vertical	316	1.50	-
5180MHz	Pass	PK	15.53834G	56.46	74.00	-17.54	3	Vertical	32	1.50	-
5180MHz	Pass	AV	15.53773G	46.21	54.00	-7.79	3	Horizontal	131	1.50	-
5180MHz	Pass	PK	10.36003G	55.11	68.20	-13.09	3	Horizontal	27	1.50	-
5180MHz	Pass	PK	15.53841G	57.12	74.00	-16.88	3	Horizontal	131	1.50	-
5200MHz	Pass	AV	5.0878G	52.81	54.00	-1.19	3	Vertical	340	1.82	-
5200MHz	Pass	AV	5.1988G	114.05	Inf	-Inf	3	Vertical	340	1.82	-
5200MHz	Pass	PK	5.1496G	61.15	74.00	-12.85	3	Vertical	340	1.82	-
5200MHz	Pass	PK	5.2018G	122.38	Inf	-Inf	3	Vertical	340	1.82	-
5200MHz	Pass	AV	5.0878G	52.87	54.00	-1.13	3	Horizontal	350	1.73	-
5200MHz	Pass	AV	5.2048G	112.06	Inf	-Inf	3	Horizontal	350	1.73	-
5200MHz	Pass	PK	5.0878G	59.72	74.00	-14.28	3	Horizontal	350	1.73	-
5200MHz	Pass	PK	5.1964G	119.16	Inf	-Inf	3	Horizontal	350	1.73	-
5200MHz	Pass	AV	15.59793G	48.56	54.00	-5.44	3	Vertical	132	1.48	-
5200MHz	Pass	PK	10.39859G	55.92	68.20	-12.28	3	Vertical	45	1.50	-
5200MHz	Pass	PK	15.59754G	58.76	74.00	-15.24	3	Vertical	132	1.48	-
5200MHz	Pass	AV	15.60154G	48.51	54.00	-5.49	3	Horizontal	137	1.50	-
5200MHz	Pass	PK	10.39934G	57.72	68.20	-10.48	3	Horizontal	26	1.50	-
5200MHz	Pass	PK	15.59988G	59.25	74.00	-14.75	3	Horizontal	137	1.50	-
5240MHz	Pass	AV	5.15G	53.69	54.00	-0.31	3	Vertical	339	1.74	-
5240MHz	Pass	AV	5.2328G	117.71	Inf	-Inf	3	Vertical	339	1.74	-
5240MHz	Pass	AV	5.3528G	52.35	54.00	-1.65	3	Vertical	339	1.74	-
5240MHz	Pass	PK	5.1482G	64.08	74.00	-9.92	3	Vertical	339	1.74	-
5240MHz	Pass	PK	5.2334G	125.40	Inf	-Inf	3	Vertical	339	1.74	-
5240MHz	Pass	PK	5.3534G	61.68	74.00	-12.32	3	Vertical	339	1.74	-
5240MHz	Pass	AV	5.1446G	52.44	54.00	-1.56	3	Horizontal	4	1.83	-
5240MHz	Pass	AV	5.2352G	117.39	Inf	-Inf	3	Horizontal	4	1.83	-
5240MHz	Pass	AV	5.3762G	53.28	54.00	-0.72	3	Horizontal	4	1.83	-
5240MHz	Pass	PK	5.1392G	62.05	74.00	-11.95	3	Horizontal	4	1.83	-
5240MHz	Pass	PK	5.2358G	125.42	Inf	-Inf	3	Horizontal	4	1.83	-
5240MHz	Pass	PK	5.3702G	61.55	74.00	-12.45	3	Horizontal	4	1.83	-
5240MHz	Pass	AV	15.72192G	48.38	54.00	-5.62	3	Vertical	77	1.50	-
5240MHz	Pass	PK	10.47886G	57.80	68.20	-10.40	3	Vertical	320	1.50	-
5240MHz	Pass	PK	15.71932G	59.14	74.00	-14.86	3	Vertical	77	1.50	-
5240MHz	Pass	AV	15.72031G	52.73	54.00	-1.27	3	Horizontal	319	1.85	-
5240MHz	Pass	PK	10.48466G	59.11	68.20	-9.09	3	Horizontal	24	1.50	-
5240MHz	Pass	PK	15.72046G	64.64	74.00	-9.36	3	Horizontal	319	1.85	-
5260MHz	Pass	AV	5.1364G	50.93	54.00	-3.07	3	Vertical	339	1.76	-
5260MHz	Pass	AV	5.2534G	115.79	Inf	-Inf	3	Vertical	339	1.76	-
5260MHz	Pass	AV	5.353G	53.73	54.00	-0.27	3	Vertical	339	1.76	-
5260MHz	Pass	PK	5.146G	60.74	74.00	-13.26	3	Vertical	339	1.76	-
5260MHz	Pass	PK	5.2546G	123.90	Inf	-Inf	3	Vertical	339	1.76	-
5260MHz	Pass	PK	5.353G	63.11	74.00	-10.89	3	Vertical	339	1.76	-
5260MHz	Pass	AV	5.1208G	50.20	54.00	-3.80	3	Horizontal	342	1.71	-
5260MHz	Pass	AV	5.2534G	115.21	Inf	-Inf	3	Horizontal	342	1.71	-
5260MHz	Pass	AV	5.353G	51.99	54.00	-2.01	3	Horizontal	342	1.71	-
5260MHz	Pass	PK	5.15G	60.43	74.00	-13.57	3	Horizontal	342	1.71	-
5260MHz	Pass	PK	5.2636G	122.47	Inf	-Inf	3	Horizontal	342	1.71	-
5260MHz	Pass	PK	5.35G	61.52	74.00	-12.48	3	Horizontal	342	1.71	-
5260MHz	Pass	AV	15.7785G	48.58	54.00	-5.42	3	Vertical	183	1.42	-
5260MHz	Pass	PK	10.52031G	56.36	68.20	-11.84	3	Vertical	324	1.50	-



RSE TX above 1GHz_Non-Beamforming

Appendix D.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	PK	15.78074G	59.22	74.00	-14.78	3	Vertical	183	1.42	-
5260MHz	Pass	AV	15.78039G	48.64	54.00	-5.36	3	Horizontal	94	1.50	-
5260MHz	Pass	PK	10.51973G	57.85	68.20	-10.35	3	Horizontal	11	1.85	-
5260MHz	Pass	PK	15.77772G	59.02	74.00	-14.98	3	Horizontal	94	1.50	-
5300MHz	Pass	AV	5.3054G	115.59	Inf	-Inf	3	Vertical	339	1.70	-
5300MHz	Pass	AV	5.3954G	52.75	54.00	-1.25	3	Vertical	339	1.70	-
5300MHz	Pass	PK	5.3048G	123.62	Inf	-Inf	3	Vertical	339	1.70	-
5300MHz	Pass	PK	5.3984G	62.54	74.00	-11.46	3	Vertical	339	1.70	-
5300MHz	Pass	AV	5.297G	114.27	Inf	-Inf	3	Horizontal	345	1.77	-
5300MHz	Pass	AV	5.3984G	50.79	54.00	-3.21	3	Horizontal	345	1.77	-
5300MHz	Pass	PK	5.303G	121.22	Inf	-Inf	3	Horizontal	345	1.77	-
5300MHz	Pass	PK	5.3978G	60.62	74.00	-13.38	3	Horizontal	345	1.77	-
5300MHz	Pass	AV	10.6003G	45.97	54.00	-8.03	3	Vertical	324	1.50	-
5300MHz	Pass	AV	15.90242G	48.63	54.00	-5.37	3	Vertical	99	2.06	-
5300MHz	Pass	PK	10.60066G	56.49	74.00	-17.51	3	Vertical	324	1.50	-
5300MHz	Pass	PK	15.90222G	58.99	74.00	-15.01	3	Vertical	99	2.06	-
5300MHz	Pass	AV	10.60032G	46.87	54.00	-7.13	3	Horizontal	0	1.50	-
5300MHz	Pass	AV	15.90065G	48.57	54.00	-5.43	3	Horizontal	337	1.50	-
5300MHz	Pass	PK	10.6008G	57.55	74.00	-16.45	3	Horizontal	0	1.50	-
5300MHz	Pass	PK	15.90153G	59.20	74.00	-14.80	3	Horizontal	337	1.50	-
5320MHz	Pass	AV	5.3152G	114.84	Inf	-Inf	3	Vertical	338	1.72	-
5320MHz	Pass	AV	5.35G	53.27	54.00	-0.73	3	Vertical	338	1.72	-
5320MHz	Pass	PK	5.3158G	122.73	Inf	-Inf	3	Vertical	338	1.72	-
5320MHz	Pass	PK	5.4616G	58.62	68.20	-9.58	3	Vertical	338	1.72	-
5320MHz	Pass	AV	5.3212G	113.20	Inf	-Inf	3	Horizontal	341	1.70	-
5320MHz	Pass	AV	5.35G	51.04	54.00	-2.96	3	Horizontal	341	1.70	-
5320MHz	Pass	PK	5.3158G	120.23	Inf	-Inf	3	Horizontal	341	1.70	-
5320MHz	Pass	PK	5.4682G	57.72	68.20	-10.48	3	Horizontal	341	1.70	-
5320MHz	Pass	AV	10.63982G	46.13	54.00	-7.87	3	Vertical	335	2.99	-
5320MHz	Pass	AV	15.95979G	48.55	54.00	-5.45	3	Vertical	78	1.50	-
5320MHz	Pass	PK	10.63941G	56.00	74.00	-18.00	3	Vertical	335	2.99	-
5320MHz	Pass	PK	15.95941G	59.46	74.00	-14.54	3	Vertical	78	1.50	-
5320MHz	Pass	AV	10.64001G	47.41	54.00	-6.59	3	Horizontal	36	1.38	-
5320MHz	Pass	AV	15.95953G	48.61	54.00	-5.39	3	Horizontal	262	1.50	-
5320MHz	Pass	PK	10.64G	56.59	74.00	-17.41	3	Horizontal	36	1.38	-
5320MHz	Pass	PK	15.95971G	58.56	74.00	-15.44	3	Horizontal	262	1.50	-
5500MHz	Pass	AV	5.4598G	53.69	54.00	-0.31	3	Vertical	336	1.74	-
5500MHz	Pass	AV	5.4946G	115.90	Inf	-Inf	3	Vertical	336	1.74	-
5500MHz	Pass	PK	5.47G	66.94	68.20	-1.26	3	Vertical	336	1.74	-
5500MHz	Pass	PK	5.494G	124.16	Inf	-Inf	3	Vertical	336	1.74	-
5500MHz	Pass	AV	5.3758G	50.52	54.00	-3.48	3	Horizontal	339	1.64	-
5500MHz	Pass	AV	5.5048G	113.21	Inf	-Inf	3	Horizontal	339	1.64	-
5500MHz	Pass	PK	5.4652G	60.82	68.20	-7.38	3	Horizontal	339	1.64	-
5500MHz	Pass	PK	5.4958G	120.04	Inf	-Inf	3	Horizontal	339	1.64	-
5500MHz	Pass	AV	10.99994G	45.46	54.00	-8.54	3	Vertical	300	1.30	-
5500MHz	Pass	PK	10.99901G	56.29	74.00	-17.71	3	Vertical	300	1.30	-
5500MHz	Pass	PK	16.50071G	60.62	68.20	-7.58	3	Vertical	205	1.33	-
5500MHz	Pass	AV	10.99998G	46.93	54.00	-7.07	3	Horizontal	50	1.50	-
5500MHz	Pass	PK	10.99997G	57.30	74.00	-16.70	3	Horizontal	50	1.50	-
5500MHz	Pass	PK	16.49981G	60.73	68.20	-7.47	3	Horizontal	288	2.51	-
5580MHz	Pass	AV	5.393G	53.51	54.00	-0.49	3	Vertical	360	1.80	-
5580MHz	Pass	AV	5.574G	115.58	Inf	-Inf	3	Vertical	360	1.80	-
5580MHz	Pass	PK	5.344G	59.99	68.20	-8.21	3	Vertical	360	1.80	-
5580MHz	Pass	PK	5.574G	123.42	Inf	-Inf	3	Vertical	360	1.80	-
5580MHz	Pass	PK	5.778G	60.44	68.20	-7.76	3	Vertical	360	1.80	-
5580MHz	Pass	AV	5.385G	53.00	54.00	-1.00	3	Horizontal	354	1.72	-
5580MHz	Pass	AV	5.576G	113.80	Inf	-Inf	3	Horizontal	354	1.72	-
5580MHz	Pass	PK	5.47G	60.62	68.20	-7.58	3	Horizontal	354	1.72	-
5580MHz	Pass	PK	5.575G	120.75	Inf	-Inf	3	Horizontal	354	1.72	-
5580MHz	Pass	PK	5.76G	60.64	68.20	-7.56	3	Horizontal	354	1.72	-
5580MHz	Pass	AV	11.16055G	45.03	54.00	-8.97	3	Vertical	20	1.39	-
5580MHz	Pass	PK	11.16012G	56.39	74.00	-17.61	3	Vertical	20	1.39	-



RSE TX above 1GHz_Non-Beamforming

Appendix D.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5580MHz	Pass	PK	16.73816G	59.59	68.20	-8.61	3	Vertical	200	1.59	-
5580MHz	Pass	AV	11.16033G	47.21	54.00	-6.79	3	Horizontal	0	1.50	-
5580MHz	Pass	PK	11.15978G	58.34	74.00	-15.66	3	Horizontal	0	1.50	-
5580MHz	Pass	PK	16.7393G	59.13	68.20	-9.07	3	Horizontal	319	1.50	-
5700MHz	Pass	AV	5.697G	113.72	Inf	-Inf	3	Vertical	332	1.77	-
5700MHz	Pass	PK	5.7018G	122.07	Inf	-Inf	3	Vertical	332	1.77	-
5700MHz	Pass	PK	5.7258G	67.51	68.20	-0.69	3	Vertical	332	1.77	-
5700MHz	Pass	AV	5.6988G	111.78	Inf	-Inf	3	Horizontal	336	1.73	-
5700MHz	Pass	PK	5.7036G	118.82	Inf	-Inf	3	Horizontal	336	1.73	-
5700MHz	Pass	PK	5.7264G	61.11	68.20	-7.09	3	Horizontal	336	1.73	-
5700MHz	Pass	AV	11.4021G	45.69	54.00	-8.31	3	Vertical	72	1.41	-
5700MHz	Pass	PK	11.41374G	55.95	74.00	-18.05	3	Vertical	72	1.41	-
5700MHz	Pass	PK	17.09988G	61.01	68.20	-7.19	3	Vertical	314	1.50	-
5700MHz	Pass	AV	11.39994G	47.42	54.00	-6.58	3	Horizontal	54	1.47	-
5700MHz	Pass	PK	11.4G	58.04	74.00	-15.96	3	Horizontal	54	1.47	-
5700MHz	Pass	PK	17.09912G	61.53	68.20	-6.67	3	Horizontal	235	1.04	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4596G	52.89	54.00	-1.11	3	Vertical	330	1.87	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7128G	117.17	Inf	-Inf	3	Vertical	330	1.87	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4608G	62.11	68.20	-6.09	3	Vertical	330	1.87	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.714G	125.79	Inf	-Inf	3	Vertical	330	1.87	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.918G	62.27	68.20	-5.93	3	Vertical	330	1.87	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4224G	51.43	54.00	-2.57	3	Horizontal	336	1.67	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.714G	116.75	Inf	-Inf	3	Horizontal	336	1.67	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4668G	60.37	68.20	-7.83	3	Horizontal	336	1.67	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.714G	124.35	Inf	-Inf	3	Horizontal	336	1.67	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8556G	61.78	68.20	-6.42	3	Horizontal	336	1.67	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43384G	47.78	54.00	-6.22	3	Vertical	360	2.33	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43444G	58.68	74.00	-15.32	3	Vertical	360	2.33	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.15716G	61.29	68.20	-6.91	3	Vertical	315	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43996G	50.23	54.00	-3.77	3	Horizontal	54	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43444G	60.77	74.00	-13.23	3	Horizontal	54	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.15928G	62.71	68.20	-5.49	3	Horizontal	39	1.50	-
5745MHz	Pass	AV	5.739G	117.33	Inf	-Inf	3	Vertical	332	1.80	-
5745MHz	Pass	PK	5.5554G	66.09	68.20	-2.11	3	Vertical	332	1.80	-
5745MHz	Pass	PK	5.739G	125.48	Inf	-Inf	3	Vertical	332	1.80	-
5745MHz	Pass	PK	5.9322G	62.49	68.20	-5.71	3	Vertical	332	1.80	-
5745MHz	Pass	AV	5.7522G	116.56	Inf	-Inf	3	Horizontal	337	1.74	-
5745MHz	Pass	PK	5.559G	63.99	68.20	-4.21	3	Horizontal	337	1.74	-
5745MHz	Pass	PK	5.7414G	123.73	Inf	-Inf	3	Horizontal	337	1.74	-
5745MHz	Pass	PK	5.9286G	60.38	68.20	-7.82	3	Horizontal	337	1.74	-
5745MHz	Pass	AV	11.49059G	47.49	54.00	-6.51	3	Vertical	1	1.50	-
5745MHz	Pass	PK	11.49167G	58.22	74.00	-15.78	3	Vertical	1	1.50	-
5745MHz	Pass	PK	17.2364G	61.53	68.20	-6.67	3	Vertical	1	1.50	-
5745MHz	Pass	AV	11.49001G	51.88	54.00	-2.12	3	Horizontal	0	1.41	-
5745MHz	Pass	PK	11.49068G	61.61	74.00	-12.39	3	Horizontal	0	1.41	-
5745MHz	Pass	PK	17.23725G	61.80	68.20	-6.40	3	Horizontal	319	1.21	-
5785MHz	Pass	AV	5.7778G	117.56	Inf	-Inf	3	Vertical	4	1.87	-
5785MHz	Pass	PK	5.5894G	67.83	68.20	-0.37	3	Vertical	4	1.87	-
5785MHz	Pass	PK	5.779G	125.71	Inf	-Inf	3	Vertical	4	1.87	-
5785MHz	Pass	PK	5.9698G	64.86	68.20	-3.34	3	Vertical	4	1.87	-
5785MHz	Pass	AV	5.7802G	116.76	Inf	-Inf	3	Horizontal	5	1.71	-
5785MHz	Pass	PK	5.5882G	62.36	68.20	-5.84	3	Horizontal	5	1.71	-
5785MHz	Pass	PK	5.7802G	123.82	Inf	-Inf	3	Horizontal	5	1.71	-
5785MHz	Pass	PK	5.9254G	61.30	68.20	-6.90	3	Horizontal	5	1.71	-
5785MHz	Pass	AV	11.57047G	47.68	54.00	-6.32	3	Vertical	0	1.49	-
5785MHz	Pass	PK	11.57121G	58.35	74.00	-15.65	3	Vertical	0	1.49	-
5785MHz	Pass	PK	17.35511G	62.03	68.20	-6.17	3	Vertical	24	1.50	-
5785MHz	Pass	AV	11.56995G	52.18	54.00	-1.82	3	Horizontal	0	1.42	-
5785MHz	Pass	PK	11.57019G	61.88	74.00	-12.12	3	Horizontal	0	1.42	-
5785MHz	Pass	PK	17.35264G	62.40	68.20	-5.80	3	Horizontal	73	1.50	-
5825MHz	Pass	AV	5.819G	116.64	Inf	-Inf	3	Vertical	0	1.80	-
5825MHz	Pass	PK	5.633G	64.91	68.20	-3.29	3	Vertical	0	1.80	-



RSE TX above 1GHz_Non-Beamforming

Appendix D.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	PK	5.819G	124.68	Inf	-Inf	3	Vertical	0	1.80	-
5825MHz	Pass	PK	5.9246G	67.75	68.50	-0.75	3	Vertical	0	1.80	-
5825MHz	Pass	AV	5.8322G	115.35	Inf	-Inf	3	Horizontal	8	1.70	-
5825MHz	Pass	PK	5.6306G	62.08	68.20	-6.12	3	Horizontal	8	1.70	-
5825MHz	Pass	PK	5.8226G	122.32	Inf	-Inf	3	Horizontal	8	1.70	-
5825MHz	Pass	PK	5.927G	62.19	68.20	-6.01	3	Horizontal	8	1.70	-
5825MHz	Pass	AV	11.64836G	46.66	54.00	-7.34	3	Vertical	46	1.50	-
5825MHz	Pass	PK	11.64776G	57.23	74.00	-16.77	3	Vertical	46	1.50	-
5825MHz	Pass	PK	17.4759G	62.75	68.20	-5.45	3	Vertical	283	1.50	-
5825MHz	Pass	AV	11.65007G	51.51	54.00	-2.49	3	Horizontal	0	1.48	-
5825MHz	Pass	PK	11.65065G	61.22	74.00	-12.78	3	Horizontal	0	1.48	-
5825MHz	Pass	PK	17.47739G	63.02	68.20	-5.18	3	Horizontal	194.3	2.51	-
802.11ax HEW20_Nss1 (MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	53.55	54.00	-0.45	3	Vertical	339	1.86	-
5180MHz	Pass	AV	5.1764G	112.97	Inf	-Inf	3	Vertical	339	1.86	-
5180MHz	Pass	PK	5.1812G	122.50	Inf	-Inf	3	Vertical	339	1.86	-
5180MHz	Pass	PK	5.1482G	62.54	74.00	-11.46	3	Vertical	339	1.86	-
5180MHz	Pass	AV	5.0882G	50.12	54.00	-3.88	3	Horizontal	15	1.50	-
5180MHz	Pass	AV	5.1788G	109.33	Inf	-Inf	3	Horizontal	15	1.50	-
5180MHz	Pass	PK	5.147G	59.46	74.00	-14.54	3	Horizontal	15	1.50	-
5180MHz	Pass	PK	5.1788G	119.28	Inf	-Inf	3	Horizontal	15	1.50	-
5180MHz	Pass	AV	15.53762G	45.51	54.00	-8.49	3	Vertical	160	1.50	-
5180MHz	Pass	PK	10.35834G	54.40	68.20	-13.80	3	Vertical	0	1.50	-
5180MHz	Pass	PK	15.53945G	56.43	74.00	-17.57	3	Vertical	160	1.50	-
5180MHz	Pass	AV	15.53757G	45.59	54.00	-8.41	3	Horizontal	308	2.54	-
5180MHz	Pass	PK	10.35796G	55.03	68.20	-13.17	3	Horizontal	28	1.43	-
5180MHz	Pass	PK	15.53762G	56.59	74.00	-17.41	3	Horizontal	308	2.54	-
5200MHz	Pass	AV	5.0878G	52.32	54.00	-1.68	3	Vertical	342	1.86	-
5200MHz	Pass	AV	5.197G	113.61	Inf	-Inf	3	Vertical	342	1.86	-
5200MHz	Pass	PK	5.1214G	61.58	74.00	-12.42	3	Vertical	342	1.86	-
5200MHz	Pass	PK	5.2054G	123.45	Inf	-Inf	3	Vertical	342	1.86	-
5200MHz	Pass	AV	5.0878G	52.34	54.00	-1.66	3	Horizontal	1	1.82	-
5200MHz	Pass	AV	5.2012G	112.45	Inf	-Inf	3	Horizontal	1	1.82	-
5200MHz	Pass	PK	5.0878G	59.48	74.00	-14.52	3	Horizontal	1	1.82	-
5200MHz	Pass	PK	5.2024G	122.20	Inf	-Inf	3	Horizontal	1	1.82	-
5200MHz	Pass	AV	15.59817G	45.72	54.00	-8.28	3	Vertical	241	2.24	-
5200MHz	Pass	PK	10.4033G	54.78	68.20	-13.42	3	Vertical	320	1.50	-
5200MHz	Pass	PK	15.60051G	56.41	74.00	-17.59	3	Vertical	241	2.24	-
5200MHz	Pass	AV	15.5975G	45.75	54.00	-8.25	3	Horizontal	75	1.50	-
5200MHz	Pass	PK	10.40014G	55.29	68.20	-12.91	3	Horizontal	25	1.49	-
5200MHz	Pass	PK	15.59934G	56.74	74.00	-17.26	3	Horizontal	75	1.50	-
5240MHz	Pass	AV	5.1476G	51.74	54.00	-2.26	3	Vertical	340	1.85	-
5240MHz	Pass	AV	5.2316G	115.65	Inf	-Inf	3	Vertical	340	1.85	-
5240MHz	Pass	AV	5.354G	50.43	54.00	-3.57	3	Vertical	340	1.85	-
5240MHz	Pass	PK	5.138G	62.02	74.00	-11.98	3	Vertical	340	1.85	-
5240MHz	Pass	PK	5.2358G	125.26	Inf	-Inf	3	Vertical	340	1.85	-
5240MHz	Pass	PK	5.3594G	60.44	74.00	-13.56	3	Vertical	340	1.85	-
5240MHz	Pass	AV	5.144G	50.43	54.00	-3.57	3	Horizontal	356	1.85	-
5240MHz	Pass	AV	5.2454G	115.55	Inf	-Inf	3	Horizontal	356	1.85	-
5240MHz	Pass	AV	5.3762G	51.71	54.00	-2.29	3	Horizontal	356	1.85	-
5240MHz	Pass	PK	5.1188G	61.66	74.00	-12.34	3	Horizontal	356	1.85	-
5240MHz	Pass	PK	5.2364G	125.19	Inf	-Inf	3	Horizontal	356	1.85	-
5240MHz	Pass	PK	5.3528G	60.86	74.00	-13.14	3	Horizontal	356	1.85	-
5240MHz	Pass	AV	15.71751G	45.75	54.00	-8.25	3	Vertical	4	1.50	-
5240MHz	Pass	PK	10.48218G	55.57	68.20	-12.63	3	Vertical	180	2.72	-
5240MHz	Pass	PK	15.7186G	57.07	74.00	-16.93	3	Vertical	4	1.50	-
5240MHz	Pass	AV	15.71773G	45.90	54.00	-8.10	3	Horizontal	296	1.32	-
5240MHz	Pass	PK	10.47984G	57.21	68.20	-10.99	3	Horizontal	23	1.50	-
5240MHz	Pass	PK	15.71799G	56.60	74.00	-17.40	3	Horizontal	296	1.32	-
5260MHz	Pass	AV	5.1484G	50.86	54.00	-3.14	3	Vertical	338	1.77	-
5260MHz	Pass	AV	5.269G	115.09	Inf	-Inf	3	Vertical	338	1.77	-
5260MHz	Pass	AV	5.3536G	53.51	54.00	-0.49	3	Vertical	338	1.77	-



RSE TX above 1GHz_Non-Beamforming

Appendix D.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	PK	5.1382G	61.15	74.00	-12.85	3	Vertical	338	1.77	-
5260MHz	Pass	PK	5.2576G	124.25	Inf	-Inf	3	Vertical	338	1.77	-
5260MHz	Pass	PK	5.3542G	63.38	74.00	-10.62	3	Vertical	338	1.77	-
5260MHz	Pass	AV	5.113G	50.21	54.00	-3.79	3	Horizontal	5	1.86	-
5260MHz	Pass	AV	5.2558G	115.07	Inf	-Inf	3	Horizontal	5	1.86	-
5260MHz	Pass	AV	5.3758G	52.29	54.00	-1.71	3	Horizontal	5	1.86	-
5260MHz	Pass	PK	5.143G	60.79	74.00	-13.21	3	Horizontal	5	1.86	-
5260MHz	Pass	PK	5.254G	124.18	Inf	-Inf	3	Horizontal	5	1.86	-
5260MHz	Pass	PK	5.3536G	61.59	74.00	-12.41	3	Horizontal	5	1.86	-
5260MHz	Pass	AV	15.77771G	46.22	54.00	-7.78	3	Vertical	114	1.55	-
5260MHz	Pass	PK	10.5185G	55.59	68.20	-12.61	3	Vertical	321	1.45	-
5260MHz	Pass	PK	15.77873G	57.03	74.00	-16.97	3	Vertical	114	1.55	-
5260MHz	Pass	AV	15.77762G	46.26	54.00	-7.74	3	Horizontal	165	1.50	-
5260MHz	Pass	PK	10.52238G	56.77	68.20	-11.43	3	Horizontal	357	1.46	-
5260MHz	Pass	PK	15.77971G	57.37	74.00	-16.63	3	Horizontal	165	1.50	-
5300MHz	Pass	AV	5.2952G	115.15	Inf	-Inf	3	Vertical	338	1.83	-
5300MHz	Pass	AV	5.3912G	52.98	54.00	-1.02	3	Vertical	338	1.83	-
5300MHz	Pass	PK	5.3066G	124.83	Inf	-Inf	3	Vertical	338	1.83	-
5300MHz	Pass	PK	5.3894G	62.86	74.00	-11.14	3	Vertical	338	1.83	-
5300MHz	Pass	AV	5.2916G	114.30	Inf	-Inf	3	Horizontal	0	1.83	-
5300MHz	Pass	AV	5.3762G	51.29	54.00	-2.71	3	Horizontal	0	1.83	-
5300MHz	Pass	PK	5.3078G	123.73	Inf	-Inf	3	Horizontal	0	1.83	-
5300MHz	Pass	PK	5.3996G	61.46	74.00	-12.54	3	Horizontal	0	1.83	-
5300MHz	Pass	AV	15.89779G	46.28	54.00	-7.72	3	Vertical	90	2.81	-
5300MHz	Pass	PK	10.60236G	55.41	74.00	-18.59	3	Vertical	334	1.50	-
5300MHz	Pass	PK	15.89933G	56.78	74.00	-17.22	3	Vertical	90	2.81	-
5300MHz	Pass	AV	15.8977G	46.34	54.00	-7.66	3	Horizontal	40	1.50	-
5300MHz	Pass	PK	10.6001G	56.52	74.00	-17.48	3	Horizontal	4	1.53	-
5300MHz	Pass	PK	15.89804G	56.85	74.00	-17.15	3	Horizontal	40	1.50	-
5320MHz	Pass	AV	5.3152G	114.36	Inf	-Inf	3	Vertical	337	1.77	-
5320MHz	Pass	AV	5.3506G	53.50	54.00	-0.50	3	Vertical	337	1.77	-
5320MHz	Pass	PK	5.3266G	124.15	Inf	-Inf	3	Vertical	337	1.77	-
5320MHz	Pass	PK	5.4658G	59.46	68.20	-8.74	3	Vertical	337	1.77	-
5320MHz	Pass	AV	5.3212G	113.47	Inf	-Inf	3	Horizontal	2	1.90	-
5320MHz	Pass	AV	5.35G	51.67	54.00	-2.33	3	Horizontal	2	1.90	-
5320MHz	Pass	PK	5.3116G	122.63	Inf	-Inf	3	Horizontal	2	1.90	-
5320MHz	Pass	PK	5.464G	57.79	68.20	-10.41	3	Horizontal	2	1.90	-
5320MHz	Pass	AV	10.6399G	44.55	54.00	-9.45	3	Vertical	333	1.31	-
5320MHz	Pass	AV	15.95753G	46.16	54.00	-7.84	3	Vertical	0	3.00	-
5320MHz	Pass	PK	10.64204G	54.80	74.00	-19.20	3	Vertical	333	1.31	-
5320MHz	Pass	PK	15.95843G	57.00	74.00	-17.00	3	Vertical	0	3.00	-
5320MHz	Pass	AV	10.64004G	45.66	54.00	-8.34	3	Horizontal	32	1.41	-
5320MHz	Pass	AV	15.95796G	46.27	54.00	-7.73	3	Horizontal	126	1.50	-
5320MHz	Pass	PK	10.63947G	55.78	74.00	-18.22	3	Horizontal	32	1.41	-
5320MHz	Pass	PK	15.95988G	57.05	74.00	-16.95	3	Horizontal	126	1.50	-
5500MHz	Pass	AV	5.4598G	53.35	54.00	-0.65	3	Vertical	0	1.79	-
5500MHz	Pass	AV	5.4952G	114.97	Inf	-Inf	3	Vertical	0	1.79	-
5500MHz	Pass	PK	5.4694G	67.86	68.20	-0.34	3	Vertical	0	1.79	-
5500MHz	Pass	PK	5.5036G	125.03	Inf	-Inf	3	Vertical	0	1.79	-
5500MHz	Pass	AV	5.3758G	49.88	54.00	-4.12	3	Horizontal	346	1.67	-
5500MHz	Pass	AV	5.497G	112.55	Inf	-Inf	3	Horizontal	346	1.67	-
5500MHz	Pass	PK	5.4658G	60.78	68.20	-7.42	3	Horizontal	346	1.67	-
5500MHz	Pass	PK	5.5048G	122.04	Inf	-Inf	3	Horizontal	346	1.67	-
5500MHz	Pass	AV	11.00235G	44.11	54.00	-9.89	3	Vertical	335	1.65	-
5500MHz	Pass	PK	11.00163G	54.80	74.00	-19.20	3	Vertical	335	1.65	-
5500MHz	Pass	PK	16.49762G	58.81	68.20	-9.39	3	Vertical	287	1.50	-
5500MHz	Pass	AV	10.9999G	44.79	54.00	-9.21	3	Horizontal	50	1.48	-
5500MHz	Pass	PK	11.0001G	55.71	74.00	-18.29	3	Horizontal	50	1.48	-
5500MHz	Pass	PK	16.49875G	58.13	68.20	-10.07	3	Horizontal	210	1.50	-
5580MHz	Pass	AV	5.392G	53.80	54.00	-0.20	3	Vertical	360	1.79	-
5580MHz	Pass	AV	5.574G	114.74	Inf	-Inf	3	Vertical	360	1.79	-
5580MHz	Pass	PK	5.465G	62.51	68.20	-5.69	3	Vertical	360	1.79	-



RSE TX above 1GHz_Non-Beamforming

Appendix D.3

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5580MHz	Pass	PK	5.573G	124.09	Inf	-Inf	3	Vertical	360	1.79	-
5580MHz	Pass	PK	5.763G	62.42	68.20	-5.78	3	Vertical	360	1.79	-
5580MHz	Pass	AV	5.376G	53.20	54.00	-0.80	3	Horizontal	353	1.72	-
5580MHz	Pass	AV	5.577G	113.20	Inf	-Inf	3	Horizontal	353	1.72	-
5580MHz	Pass	PK	5.35G	61.21	68.20	-6.99	3	Horizontal	353	1.72	-
5580MHz	Pass	PK	5.586G	123.06	Inf	-Inf	3	Horizontal	353	1.72	-
5580MHz	Pass	PK	5.759G	60.63	68.20	-7.57	3	Horizontal	353	1.72	-
5580MHz	Pass	AV	11.16249G	44.01	54.00	-9.99	3	Vertical	64	1.50	-
5580MHz	Pass	PK	11.16222G	54.57	74.00	-19.43	3	Vertical	64	1.50	-
5580MHz	Pass	PK	16.73875G	59.78	68.20	-8.42	3	Vertical	62	2.12	-
5580MHz	Pass	AV	11.16021G	46.04	54.00	-7.96	3	Horizontal	2	1.49	-
5580MHz	Pass	PK	11.1609G	57.44	74.00	-16.56	3	Horizontal	2	1.49	-
5580MHz	Pass	PK	16.74066G	58.67	68.20	-9.53	3	Horizontal	120	1.50	-
5700MHz	Pass	AV	5.697G	111.73	Inf	-Inf	3	Vertical	0	1.85	-
5700MHz	Pass	PK	5.703G	121.57	Inf	-Inf	3	Vertical	0	1.85	-
5700MHz	Pass	PK	5.7252G	68.00	68.20	-0.20	3	Vertical	0	1.85	-
5700MHz	Pass	AV	5.7018G	109.45	Inf	-Inf	3	Horizontal	0	1.82	-
5700MHz	Pass	PK	5.7012G	119.70	Inf	-Inf	3	Horizontal	0	1.82	-
5700MHz	Pass	PK	5.7264G	60.08	68.20	-8.12	3	Horizontal	0	1.82	-
5700MHz	Pass	AV	11.4023G	43.08	54.00	-10.92	3	Vertical	331	1.50	-
5700MHz	Pass	PK	11.40024G	53.64	74.00	-20.36	3	Vertical	331	1.50	-
5700MHz	Pass	PK	17.09885G	59.85	68.20	-8.35	3	Vertical	122	1.50	-
5700MHz	Pass	AV	11.4G	44.50	54.00	-9.50	3	Horizontal	52	1.50	-
5700MHz	Pass	PK	11.40014G	54.46	74.00	-19.54	3	Horizontal	52	1.50	-
5700MHz	Pass	PK	17.09951G	60.19	68.20	-8.01	3	Horizontal	288	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4584G	53.59	54.00	-0.41	3	Vertical	0	1.78	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7248G	116.20	Inf	-Inf	3	Vertical	0	1.78	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.462G	63.20	68.20	-5.00	3	Vertical	0	1.78	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7248G	125.29	Inf	-Inf	3	Vertical	0	1.78	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.912G	62.71	68.20	-5.49	3	Vertical	0	1.78	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4344G	51.44	54.00	-2.56	3	Horizontal	0	1.77	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7116G	115.84	Inf	-Inf	3	Horizontal	0	1.77	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.462G	61.05	68.20	-7.15	3	Horizontal	0	1.77	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7128G	124.45	Inf	-Inf	3	Horizontal	0	1.77	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8556G	63.48	68.20	-4.72	3	Horizontal	0	1.77	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.44168G	44.11	54.00	-9.89	3	Vertical	0	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44038G	54.38	74.00	-19.62	3	Vertical	0	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.1579G	60.01	68.20	-8.19	3	Vertical	100	1.21	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43992G	46.36	54.00	-7.64	3	Horizontal	58	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44014G	56.61	74.00	-17.39	3	Horizontal	58	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.16057G	59.42	68.20	-8.78	3	Horizontal	37	2.41	-
5745MHz	Pass	AV	5.739G	116.40	Inf	-Inf	3	Vertical	360	1.81	-
5745MHz	Pass	PK	5.559G	67.48	68.20	-0.72	3	Vertical	360	1.81	-
5745MHz	Pass	PK	5.751G	125.78	Inf	-Inf	3	Vertical	360	1.81	-
5745MHz	Pass	PK	5.9298G	63.64	68.20	-4.56	3	Vertical	360	1.81	-
5745MHz	Pass	AV	5.7366G	115.90	Inf	-Inf	3	Horizontal	0	1.80	-
5745MHz	Pass	PK	5.5554G	64.13	68.20	-4.07	3	Horizontal	0	1.80	-
5745MHz	Pass	PK	5.7366G	124.15	Inf	-Inf	3	Horizontal	0	1.80	-
5745MHz	Pass	PK	5.9994G	60.96	68.20	-7.24	3	Horizontal	0	1.80	-
5745MHz	Pass	AV	11.49209G	44.54	54.00	-9.46	3	Vertical	1	1.50	-
5745MHz	Pass	PK	11.4902G	55.14	74.00	-18.86	3	Vertical	1	1.50	-
5745MHz	Pass	PK	17.23669G	59.64	68.20	-8.56	3	Vertical	339	1.50	-
5745MHz	Pass	AV	11.48988G	47.67	54.00	-6.33	3	Horizontal	1	1.41	-
5745MHz	Pass	PK	11.49012G	58.95	74.00	-15.05	3	Horizontal	1	1.41	-
5745MHz	Pass	PK	17.23511G	60.05	68.20	-8.15	3	Horizontal	37	1.59	-
5785MHz	Pass	AV	5.7766G	116.49	Inf	-Inf	3	Vertical	0	1.79	-
5785MHz	Pass	PK	5.5942G	66.47	68.20	-1.73	3	Vertical	0	1.79	-
5785MHz	Pass	PK	5.7766G	125.96	Inf	-Inf	3	Vertical	0	1.79	-
5785MHz	Pass	PK	5.9926G	62.89	68.20	-5.31	3	Vertical	0	1.79	-
5785MHz	Pass	AV	5.7802G	114.88	Inf	-Inf	3	Horizontal	0	1.78	-
5785MHz	Pass	PK	5.4922G	61.93	68.20	-6.27	3	Horizontal	0	1.78	-
5785MHz	Pass	PK	5.7802G	124.16	Inf	-Inf	3	Horizontal	0	1.78	-