



RADIO TEST REPORT

FCC ID : 2AHBN-AP34
Equipment : 802.11ax 6E Wireless Access Point
Brand Name : Juniper
Model Name : AP34
Applicant : Juniper Networks, Inc.
1133 Innovation Way Sunnyvale, California 94089
USA
Manufacturer : Juniper Networks, Inc.
1133 Innovation Way Sunnyvale, California 94089
USA
Standard : 47 CFR FCC Part 15.407

The product was received on Mar. 22, 2022, and testing was started from Mar. 26, 2022 and completed on May 12, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



Table of Contents

History of this test report.....3

Summary of Test Result.....4

1 General Description5

1.1 Information.....5

1.2 Applicable Standards12

1.3 Testing Location Information12

1.4 Measurement Uncertainty13

2 Test Configuration of EUT14

2.1 Test Channel Mode14

2.2 The Worst Case Measurement Configuration20

2.3 EUT Operation during Test22

2.4 Accessories22

2.5 Support Equipment.....23

2.6 Test Setup Diagram24

3 Transmitter Test Result27

3.1 AC Power-line Conducted Emissions27

3.2 Emission Bandwidth29

3.3 Maximum Output Power31

3.4 Power Spectral Density34

3.5 Unwanted Emissions.....38

4 Test Equipment and Calibration Data43

Appendix A. Test Results of AC Power-line Conducted Emissions

Appendix B. Test Results of Emission Bandwidth

Appendix C. Test Results of Maximum Output Power

Appendix D. Test Results of Power Spectral Density

Appendix E. Test Results of Unwanted Emissions

Appendix F. Test Results of Radiated Emission Co-location

Appendix G. Test Photos

Photographs of EUT v01



History of this test report

Report No.	Version	Description	Issued Date
FR231832AC	01	Initial issue of report	Jul. 12, 2022
FR231832AC	02	Revising the description of radio 1 in section 1.1.2	Jul. 20, 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	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Output Power	PASS	-
3.3.4	15.407(a)	Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Note: Reference to Sporton Project No.: 231832-01.

Declaration of Conformity:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: **Sam Chen**

Report Producer: **Wendy Pan**



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		5500-5720	100-144 [12]
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		5510-5710	102-142 [6]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5690	106-138 [3]
5725-5850		5775	155 [1]



For Radio 1

Band	Mode	BWch (MHz)	Nant
5.15-5.35GHz	802.11a	20	2TX
5.15-5.35GHz	802.11n HT20	20	2TX
5.15-5.35GHz	802.11n HT20-BF	20	2TX
5.15-5.35GHz	802.11ac VHT20	20	2TX
5.15-5.35GHz	802.11ac VHT20-BF	20	2TX
5.15-5.35GHz	802.11ax HEW20	20	2TX
5.15-5.35GHz	802.11ax HEW20-BF	20	2TX
5.15-5.35GHz	802.11n HT40	40	2TX
5.15-5.35GHz	802.11n HT40-BF	40	2TX
5.15-5.35GHz	802.11ac VHT40	40	2TX
5.15-5.35GHz	802.11ac VHT40-BF	40	2TX
5.15-5.35GHz	802.11ax HEW40	40	2TX
5.15-5.35GHz	802.11ax HEW40-BF	40	2TX
5.15-5.35GHz	802.11ac VHT80	80	2TX
5.15-5.35GHz	802.11ac VHT80-BF	80	2TX
5.15-5.35GHz	802.11ax HEW80	80	2TX
5.15-5.35GHz	802.11ax HEW80-BF	80	2TX
5.47-5.725GHz	802.11a	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11n HT20-BF	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ac VHT20-BF	20	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11ax HEW20-BF	20	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11n HT40-BF	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT40-BF	40	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ax HEW40-BF	40	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ac VHT80-BF	80	2TX
5.47-5.725GHz	802.11ax HEW80	80	2TX
5.47-5.725GHz	802.11ax HEW80-BF	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20-BF	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX



Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20-BF	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11n HT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80-BF	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80-BF	80	2TX



For scanning radio 4

Band	Mode	BWch (MHz)	Nant
5.15-5.35GHz	802.11a	20	1TX
5.15-5.35GHz	802.11n HT20	20	1TX
5.15-5.35GHz	802.11ac VHT20	20	1TX
5.15-5.35GHz	802.11ax HEW20	20	1TX
5.15-5.35GHz	802.11n HT40	40	1TX
5.15-5.35GHz	802.11ac VHT40	40	1TX
5.15-5.35GHz	802.11ax HEW40	40	1TX
5.15-5.35GHz	802.11ac VHT80	80	1TX
5.15-5.35GHz	802.11ax HEW80	80	1TX
5.47-5.725GHz	802.11a	20	1TX
5.47-5.725GHz	802.11n HT20	20	1TX
5.47-5.725GHz	802.11ac VHT20	20	1TX
5.47-5.725GHz	802.11ax HEW20	20	1TX
5.47-5.725GHz	802.11n HT40	40	1TX
5.47-5.725GHz	802.11ac VHT40	40	1TX
5.47-5.725GHz	802.11ax HEW40	40	1TX
5.47-5.725GHz	802.11ac VHT80	80	1TX
5.47-5.725GHz	802.11ax HEW80	80	1TX
5.725-5.85GHz	802.11a	20	1TX
5.725-5.85GHz	802.11n HT20	20	1TX
5.725-5.85GHz	802.11ac VHT20	20	1TX
5.725-5.85GHz	802.11ax HEW20	20	1TX
5.725-5.85GHz	802.11n HT40	40	1TX
5.725-5.85GHz	802.11ac VHT40	40	1TX
5.725-5.85GHz	802.11ax HEW40	40	1TX
5.725-5.85GHz	802.11ac VHT80	80	1TX
5.725-5.85GHz	802.11ax HEW80	80	1TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

Ant.	Port							Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)
	WLAN 5GHz (Radio 1)	WLAN 2.4GHz (Radio 2)	WLAN 6GHz (Radio 3)	WLAN 2.4GHz (Radio 4)	WLAN 5GHz (Radio 4)	WLAN 6GHz (Radio 4)	BT (Radio 5)					
1	2	1	-	-	-	-	-	Juniper	AP34	PIFA	I-PEX	Note 2
2	1	2	-	-	-	-	-	Juniper	AP34	PIFA	I-PEX	
3	-	-	2	-	-	-	-	Juniper	AP34	PIFA	I-PEX	
4	-	-	1	-	-	-	-	Juniper	AP34	PIFA	I-PEX	
5	-	-	-	1	1	1	-	Juniper	AP34	PIFA	I-PEX	
6	-	-	-	-	-	-	1	Juniper	AP34	PIFA	N/A	

Note1: The above information was declared by manufacturer.

Note2:

Ant.	Gain (dBi)																		
	WLAN5GHz (Radio 1)				WLAN 2.4GHz (Radio 2)	WLAN 6GHz (Radio 3)				WLAN2.4GHz (Radio 4)	WLAN 5GHz (Radio 4)				WLAN 6GHz (Radio 4)				BT (Radio 5)
	UNII 1	UNII 2A	UNII 2C	UNII 3		UNII 5	UNII 6	UNII 7	UNII 8		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8	
1	2.4	2.13	2.25	2.02	2.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2.38	2.22	2.33	2.07	2.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	5.85	5.08	5.08	4.70	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	5.85	5.08	5.08	4.70	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	5.0	5.8	5.8	5.5	5.6	5.6	5.5	5.5	5.6	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6

Note3: WLAN 2.4GHz (Radio 2) and 5GHz (Radio 1): Maximum Directional Gain following KDB662911 D03.

The antenna report is provided in the operational description for this application.

Note4: The antenna gain of Radio 3, Radio 4 and Radio 5 were declared by manufacturer.

Note5: **For Radio 2**

For 2.4GHz:

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

Port 1, Port 2 can be used as transmitting/receiving antenna.

Port 1, Port 2 could transmit/receive simultaneously.

For Radio 1

For 5GHz UNII 1~3:

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

Port 1, Port 2 can be used as transmitting/receiving antenna.

Port 1, Port 2 could transmit/receive simultaneously.

For Radio 3

For 6E UNII 5~8:

For IEEE 802.11ax mode (2TX/2RX):

Port 1, Port 2 can be used as transmitting/receiving antenna.

Port 1, Port 2 could transmit/receive simultaneously.

For scanning Radio 4

For 2.4GHz, IEEE 802.11b/g/n/VHT/ax mode (1TX/1RX):

For 5GHz UNII 1~3, IEEE 802.11a/n/ac/ax mode (1TX/1RX):

For 6E UNII 5~8, IEEE 802.11ax mode (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

For Radio 5

Bluetooth (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.



1.1.3 Mode Test Duty Cycle

For Radio 1:

For UNII 1, UNII 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.942	0.26	2.08m	1k
802.11ax HEW20	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.976	0.11	790u	3k
802.11ax HEW80	0.954	0.2	420u	3k

For UNII 2A, UNII2C

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.942	0.26	2.08m	1k
802.11ax HEW20	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.976	0.11	790u	3k
802.11ax HEW80	0.948	0.23	426u	3k

For Radio 4:

For UNII 1 ~ UNII 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.958	0.19	2.066m	1k
802.11ax HEW20	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.968	0.14	782.5u	3k
802.11ax HEW80	0.941	0.26	417.5u	3k

Note:

- ◆ DC is Duty Cycle.
- ◆ DCF is Duty Cycle Factor.



1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz of radio 2, n/ac/ax in 5GHz UNII 1~UNII 3 of radio 1 and ax in 6GHz UNII 5~UNII 8 of radio 3.			
Weather Band	<input checked="" type="checkbox"/>	With 5600~5650MHz	<input type="checkbox"/>	Without 5600~5650MHz
Function	<input type="checkbox"/>	Outdoor P2P	<input checked="" type="checkbox"/>	Indoor P2M
	<input type="checkbox"/>	Fixed P2P	<input type="checkbox"/>	Client
	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
TPC Function	<input checked="" type="checkbox"/>	With TPC	<input type="checkbox"/>	Without TPC
Test Software Version	accessMTool(version3.2.1.5)			

Note: The above information was declared by manufacturer.

1.1.5 Table for Radio function

Radio 1	Radio 2	Radio 3	Radio 4 (Scanning)	Radio 5
(WLAN 5GHz UNII 1~3)	(WLAN 2.4GHz)	(WLAN 6GHz)	(WLAN 2.4GHz)	(Bluetooth)
			(WLAN 5GHz)	
			(WLAN 6GHz)	

Note: The above information was declared by manufacturer.



1.2 Applicable 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
- ◆ FCC KDB 789033 D02 v02r01

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

- ◆ FCC KDB 662911 D03 v01
- ◆ FCC KDB 412172 D01 v01r01
- ◆ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Brian Sun	21.7~22.8 / 66~71	Apr. 01, 2022 ~ Apr. 04, 2022
Radiated Emission below 1GHz and Radiated Emission Co-location	03CH05-CB	Eason Chen	24.4-25.5 / 55-58	Mar. 30, 2022~ Mar. 31, 2022
Radiated Emission above 1GHz	03CH02-CB	Stim Sung	24.2-26.1 / 55-58	Mar. 26, 2022 ~ May 12, 2022
AC Conduction	CO01-CB	Joe Chu	20~22 / 60~62	Apr. 08, 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
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For Radio 1:
For UNII 1, UNII 3

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	80
5200MHz	87
5240MHz	75
5745MHz	84
5785MHz	88
5825MHz	88
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	77
5200MHz	84
5240MHz	75
5745MHz	84
5785MHz	88
5825MHz	88
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	77
5200MHz	84
5240MHz	75
5745MHz	84
5785MHz	88
5825MHz	88
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	69
5230MHz	75
5755MHz	80
5795MHz	88
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	69
5230MHz	75
5755MHz	80
5795MHz	88
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	71
5775MHz	75



Mode	Power Setting
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	71
5775MHz	75



For UNII 2A, UNII 2C

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	81
5300MHz	81
5320MHz	81
5500MHz	79
5580MHz	74
5700MHz	70
5720MHz Straddle 5.47-5.725GHz	71
5720MHz Straddle 5.725-5.85GHz	71
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	79
5300MHz	79
5320MHz	81
5500MHz	80
5580MHz	74
5700MHz	63
5720MHz Straddle 5.47-5.725GHz	69
5720MHz Straddle 5.725-5.85GHz	69
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5260MHz	79
5300MHz	79
5320MHz	81
5500MHz	80
5580MHz	74
5700MHz	63
5720MHz Straddle 5.47-5.725GHz	69
5720MHz Straddle 5.725-5.85GHz	69
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	79
5310MHz	72
5510MHz	71
5550MHz	72
5670MHz	74
5710MHz Straddle 5.47-5.725GHz	70
5710MHz Straddle 5.725-5.85GHz	70
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5270MHz	79
5310MHz	72
5510MHz	71



Mode	Power Setting
5550MHz	72
5670MHz	74
5710MHz Straddle 5.47-5.725GHz	70
5710MHz Straddle 5.725-5.85GHz	70
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	72
5530MHz	69
5610MHz	76
5690MHz Straddle 5.47-5.725GHz	73
5690MHz Straddle 5.725-5.85GHz	73
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5290MHz	72
5530MHz	69
5610MHz	76
5690MHz Straddle 5.47-5.725GHz	73
5690MHz Straddle 5.725-5.85GHz	73



For Radio 4:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5180MHz	88
5200MHz	97
5240MHz	88
5260MHz	88
5300MHz	88
5320MHz	89
5500MHz	82
5580MHz	75
5700MHz	61
5720MHz Straddle 5.47-5.725GHz	74
5720MHz Straddle 5.725-5.85GHz	74
5745MHz	98
5785MHz	108
5825MHz	108
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5180MHz	86
5200MHz	94
5240MHz	88
5260MHz	87
5300MHz	86
5320MHz	87
5500MHz	81
5580MHz	74
5700MHz	53
5720MHz Straddle 5.47-5.725GHz	72
5720MHz Straddle 5.725-5.85GHz	72
5745MHz	96
5785MHz	108
5825MHz	97
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5190MHz	78
5230MHz	85
5270MHz	85
5310MHz	80
5510MHz	75
5550MHz	75
5670MHz	73
5710MHz Straddle 5.47-5.725GHz	75



Mode	Power Setting
5710MHz Straddle 5.725-5.85GHz	75
5755MHz	88
5795MHz	98
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5210MHz	80
5290MHz	81
5530MHz	75
5610MHz	75
5690MHz Straddle 5.47-5.725GHz	75
5690MHz Straddle 5.725-5.85GHz	75
5775MHz	84

Note:

- ♦ Evaluated HEW20/HEW40/HEW80 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80 mode are the same or lower than HEW20/HEW40/HEW80.
- ♦ The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests							
Tests Item	AC power-line conducted emissions						
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz						
Operating Mode	Normal Link						
	EUT	Radio 1	Radio 2	Radio 3	Radio 4	Radio 5	Powered by
1	EUT	5GHz Full Band	2.4GHz	6GHz	2.4GHz	Bluetooth	PoE
2	EUT	5GHz Full Band	2.4GHz	6GHz	5GHz	Bluetooth	PoE
3	EUT	5GHz Full Band	2.4GHz	6GHz	6GHz	Bluetooth	PoE

For operating mode 1 is the worst case and it was record in this test report.

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Output Power Power Spectral Density
Test Condition	Conducted measurement at transmit chains
1	EUT + Radio 1
2	EUT + Radio 4



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	Normal Link						
	EUT	Radio 1	Radio 2	Radio 3	Radio 4	Radio 5	Powered by
1	EUT in Z axis	5GHz Full Band	2.4GHz	6GHz	2.4GHz	Bluetooth	PoE
2	EUT in Y axis	5GHz Full Band	2.4GHz	6GHz	2.4GHz	Bluetooth	PoE
3	EUT in X axis	5GHz Full Band	2.4GHz	6GHz	2.4GHz	Bluetooth	PoE
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 ~ 5 will follow this same test mode.							
4	EUT in Z axis	5GHz Full Band	2.4GHz	6GHz	5GHz	Bluetooth	PoE
5	EUT in Z axis	5GHz Full Band	2.4GHz	6GHz	6GHz	Bluetooth	PoE
For operating mode 1 is the worst case and it was record in this test report.							
Operating Mode > 1GHz	CTX						
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Z axis. So the measurement will follow this same test configuration.						
1	EUT in Z axis + Radio 2						
2	EUT in Z axis + Radio 4						



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	The EUT was performed at X axis, Y axis and Z axis position from Radiated Emissions above 1GHz, and the worst case was found at Z axis. So the measurement will follow this same test configuration.
1	EUT in Z axis + Radio 1 + Radio 2
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests					
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation				
Operating Mode	Radio 1	Radio 2	Radio 3	Radio 4	Radio 5
1	5GHz Full Band	2.4GHz	6GHz	2.4GHz	Bluetooth
2	5GHz Full Band	2.4GHz	6GHz	5GHz	Bluetooth
3	5GHz Full Band	2.4GHz	6GHz	6GHz	Bluetooth
Refer to Sporton Test Report No.: FA231832 for Co-location RF Exposure Evaluation.					

Note: The PoE is for measurement only, would not be marketed.

PoE information as below:

Power	Brand	Model
PoE	PHIHONG	POE60U-1BT-5

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Bracket*1



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN PC	DELL	T3400	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	SCAN NB	DELL	E6430	N/A
E	Flash disk3.0	Transcend	JetFlash-700	N/A
F	PoE	PHIHONG	POE60U-1BT-5	N/A
G	6E NB	DELL	E6430	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN Notebook	DELL	E4300	N/A
B	5G NB	DELL	E4300	N/A
C	2.4G NB	DELL	E4300	N/A
D	6E NB	DELL	E4300	N/A
E	SCAN NB	DELL	E4300	N/A
F	Flash disk3.0	Silicon Power	B06	N/A
G	PoE	PHIHONG	POE60U-1BT-5	N/A

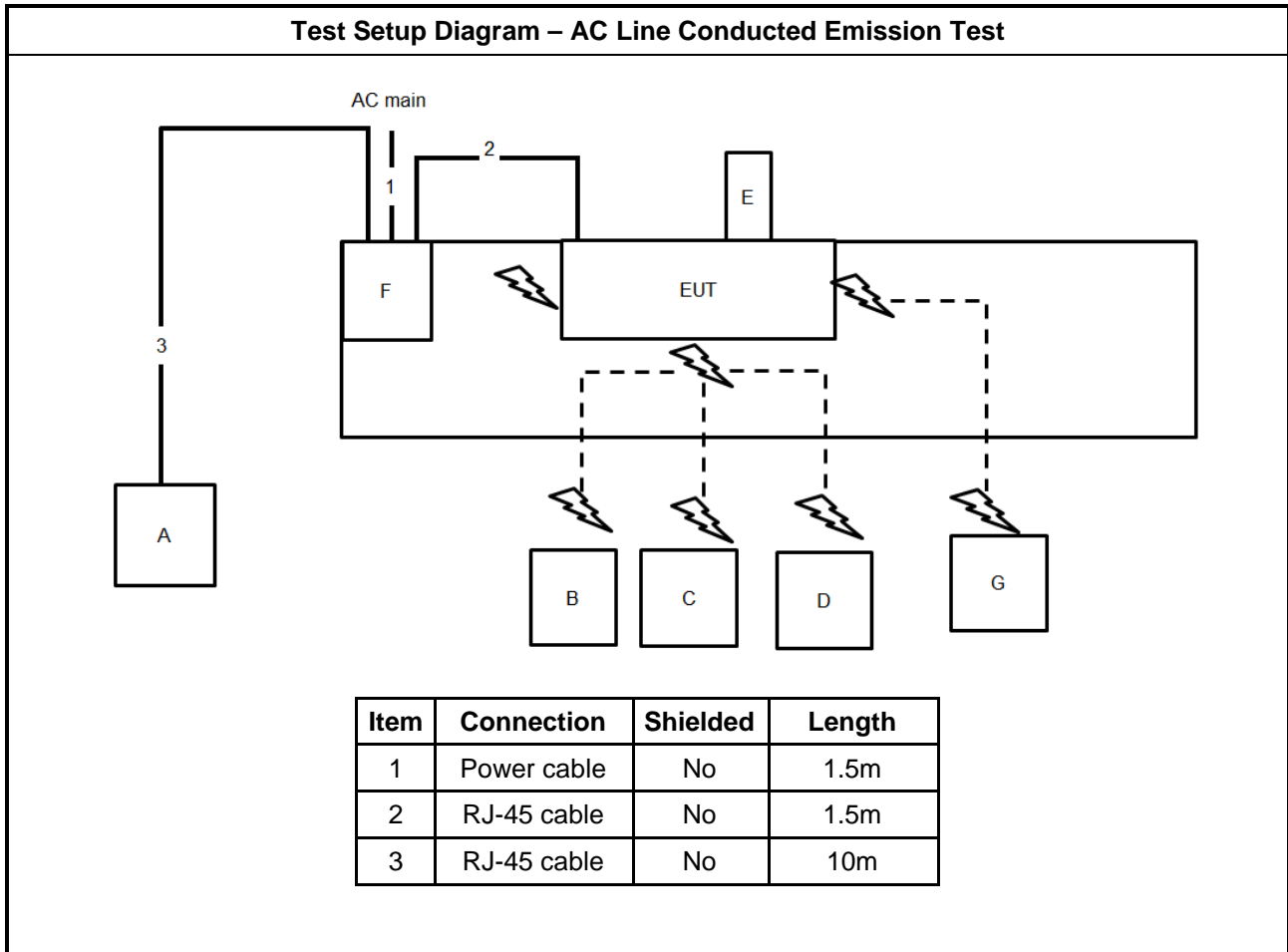
For Radiated (above 1GHz):

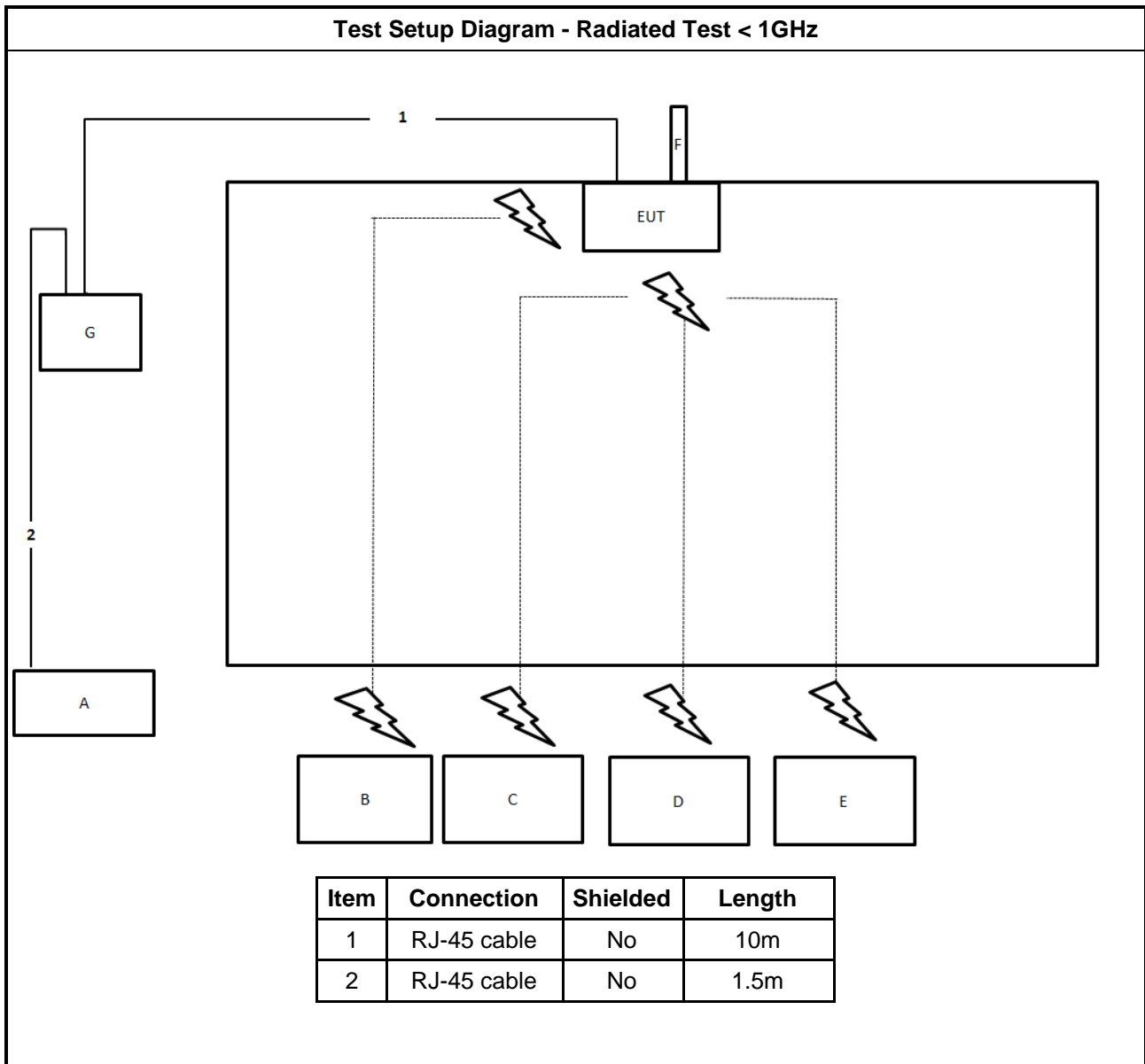
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Microsemi	PD-9001-10GC/AC	N/A
B	Notebook	DELL	E4300	N/A

For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE	PHIHONG	POE60U-1BT-X	N/A

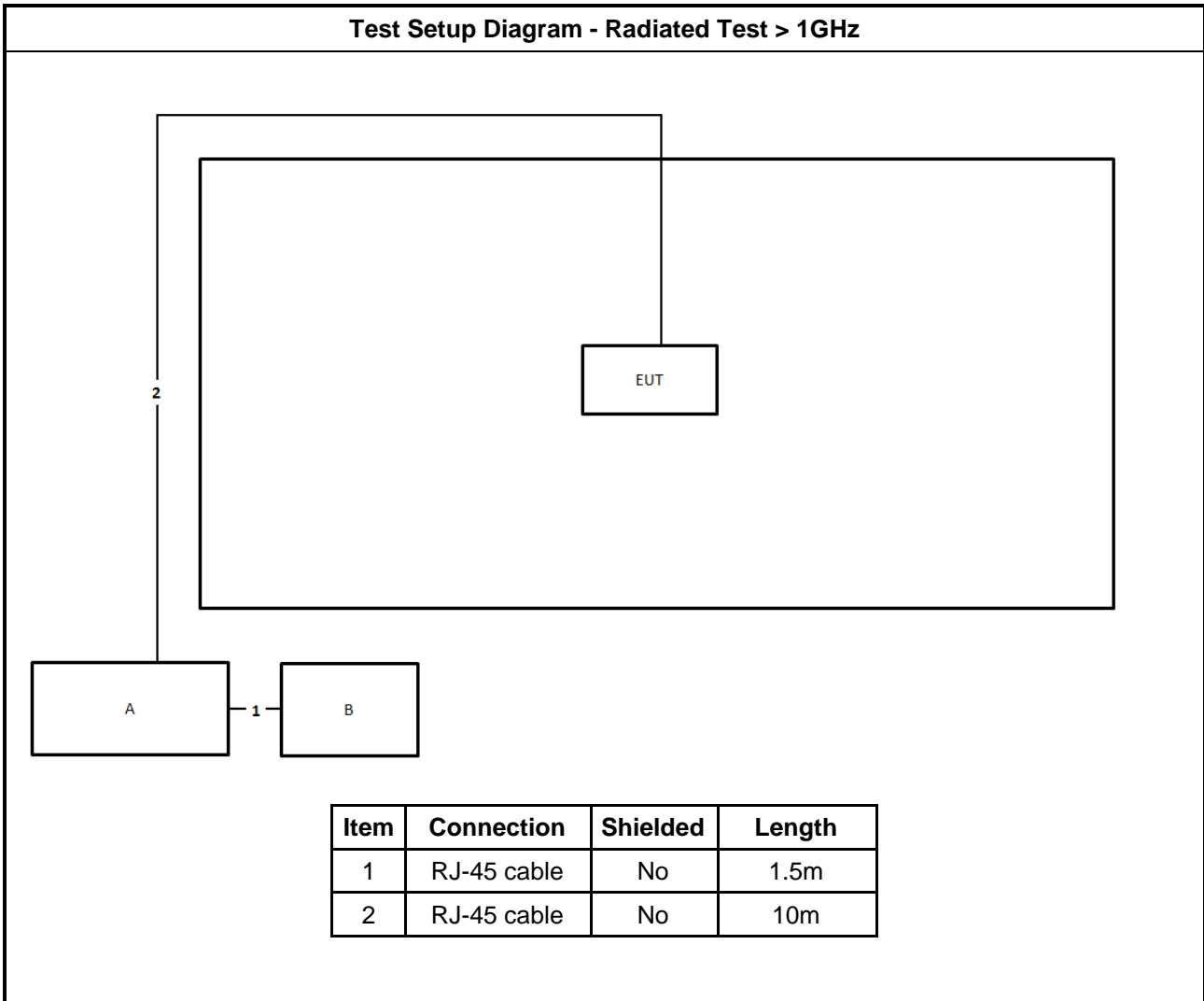
2.6 Test Setup Diagram







Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	1.5m
2	RJ-45 cable	No	10m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

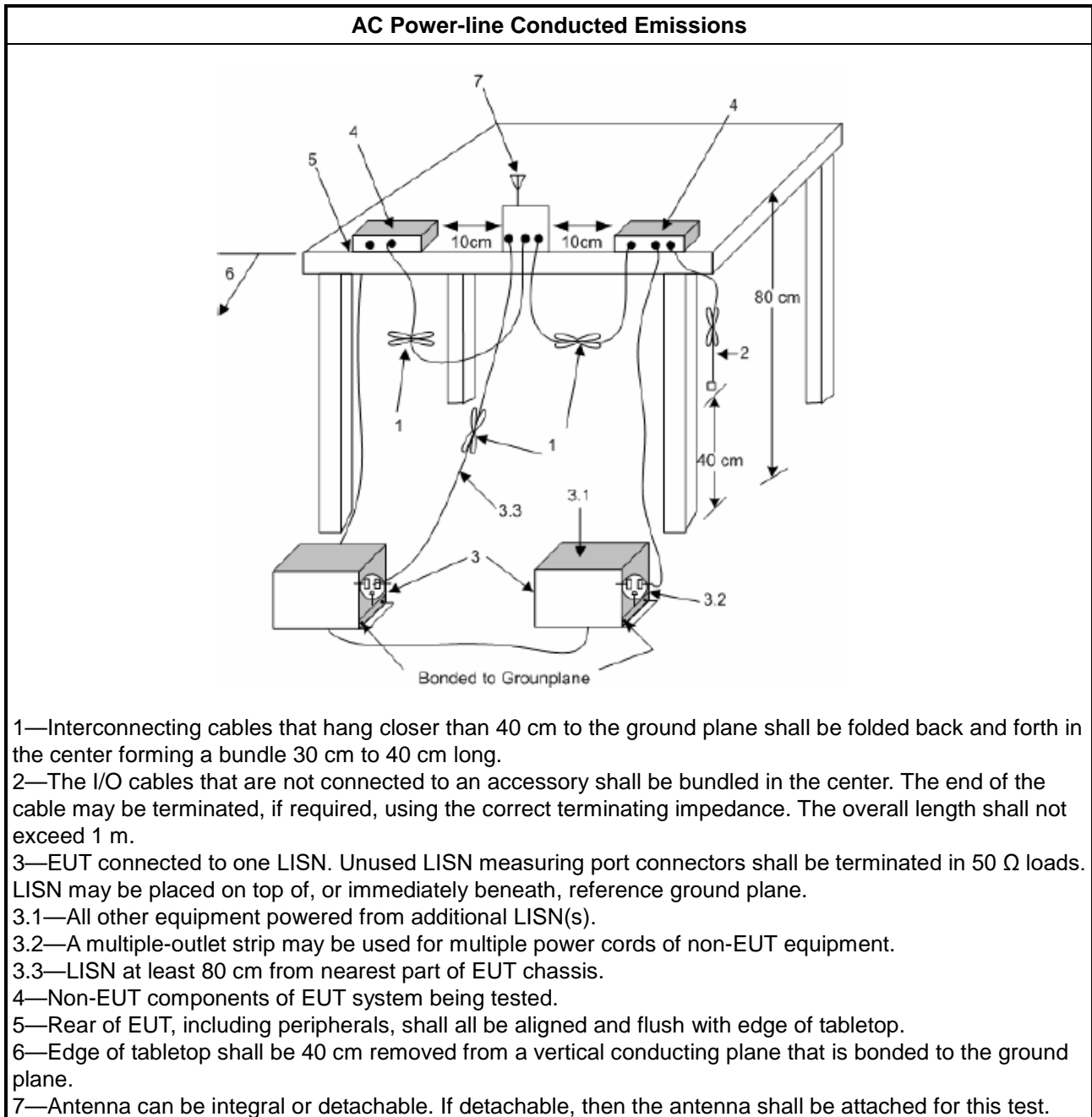
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input checked="" type="checkbox"/>	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
<input checked="" type="checkbox"/>	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.
<input type="checkbox"/>	For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.
LE-LAN Devices	
<input type="checkbox"/>	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
<input type="checkbox"/>	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
<input type="checkbox"/>	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
<input type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

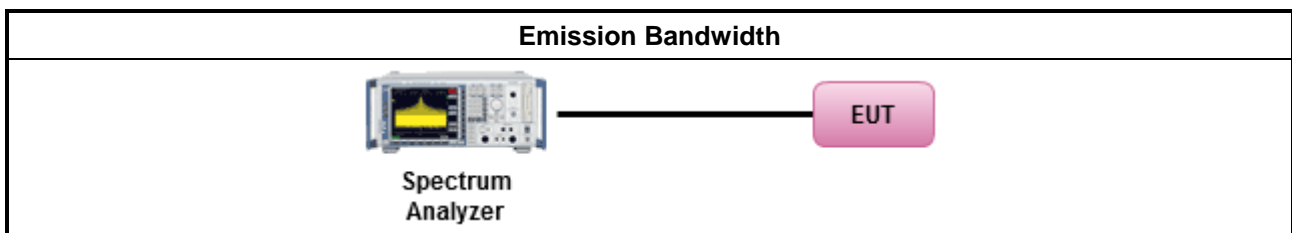
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method							
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px;"><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.</td> </tr> </table> 		<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.	<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.	<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.						
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.						
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.						

3.2.4 Test Setup





3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Output Power

3.3.1 Limit

Maximum Output Power Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees $\leq 125mW$ [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:	
	<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.
Maximum EIRP Limit	
<input type="checkbox"/> For the 5.85-5.895 GHz band:	
	<ul style="list-style-type: none"> ▪ Indoor AP & subordinate device < 36 dBm ▪ Client device < 30 dBm
LE-LAN Devices	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the



lesser of 1 W.

P_{Out} = maximum conducted output power in dBm,
G_{TX} = the maximum transmitting antenna directional gain in dBi.

3.3.2 Measuring Instruments

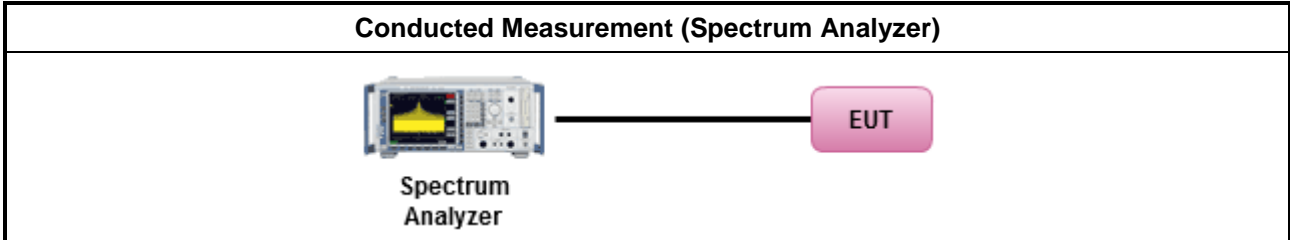
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

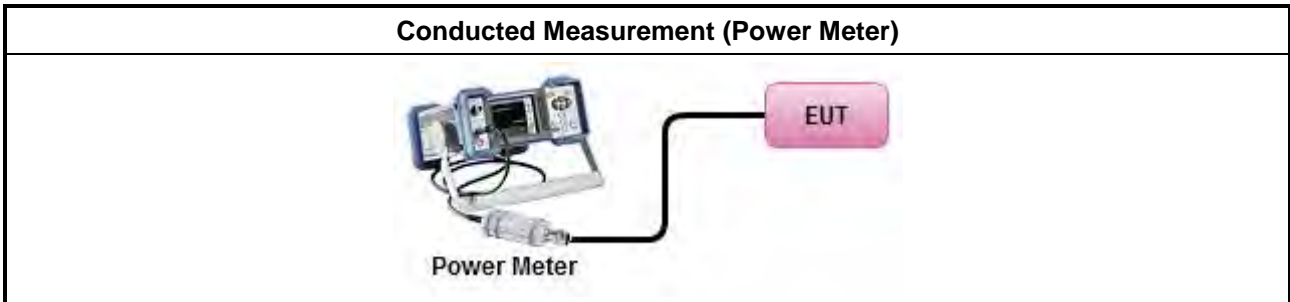
Test Method	
	Average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
<input checked="" type="checkbox"/>	For conducted measurement.
	<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them. ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$
<input type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. ▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup

For Straddle channel test



For Other test



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. ▪ 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:	
	<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.
EIRP Power Spectral Density Limit	
<input type="checkbox"/> For the 5.85-5.895 GHz band:	
	<ul style="list-style-type: none"> ▪ Indoor AP & subordinate device < 20dBm/MHz ▪ Client device < 14dBm/MHz
LE-LAN Devices	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
	<ul style="list-style-type: none"> ▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; $-13 - 0.716 (\theta - 8)$ dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 ($\theta - 40$) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output	



power shall be used to determine the power spectral density. And power spectral density in dBm/MHz
 G_{TX} = the maximum transmitting antenna directional gain in dBi.

3.4.2 Measuring Instruments

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

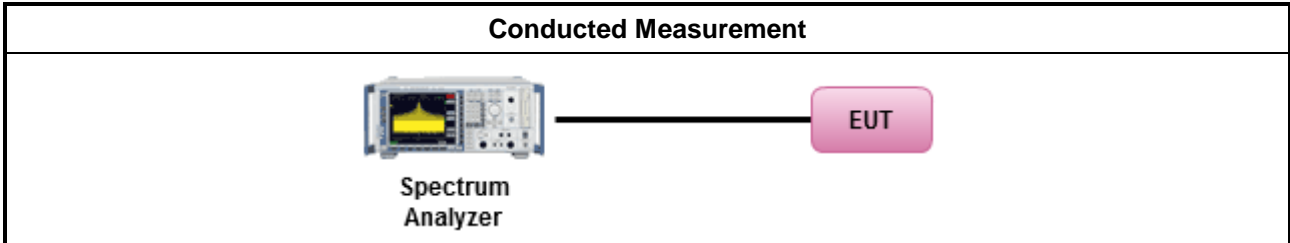


3.4.3 Test Procedures

Test Method	
<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 FCC KDB 789033 D02, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<input checked="" type="checkbox"/> For conducted measurement.	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: 	
<input checked="" type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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.
<input type="checkbox"/>	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
<input type="checkbox"/>	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
<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]) $EIRP_{total} = PPSD_{total} + DG$ 	
<input type="checkbox"/> For radiated measurement.	
<ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. 	

Test Method	
	Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter 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
<input checked="" type="checkbox"/> 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input checked="" type="checkbox"/> 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input checked="" type="checkbox"/> 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input checked="" type="checkbox"/> 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
<input type="checkbox"/> 5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz. (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

3.5.2 Measuring Instruments

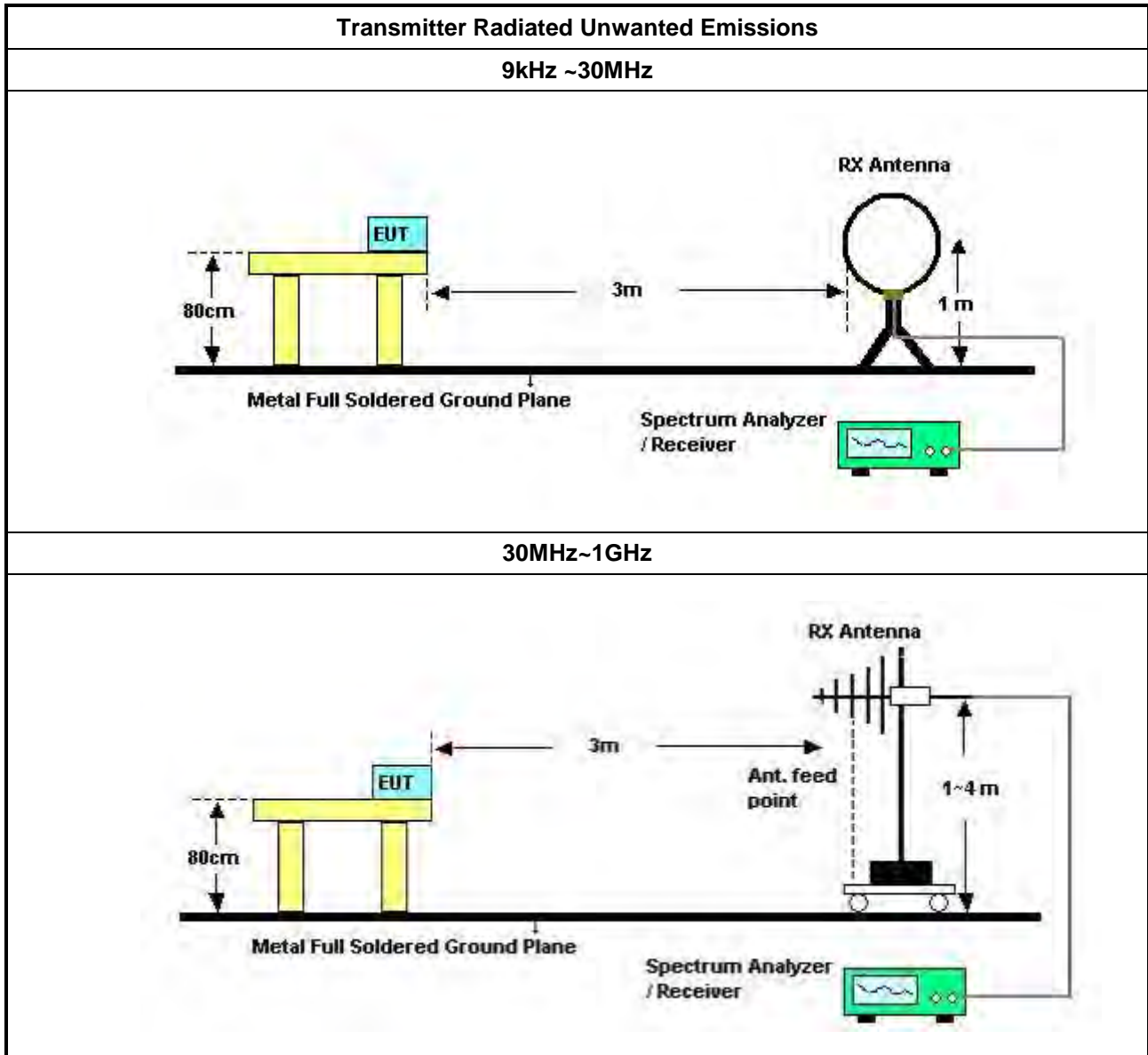
Refer a test equipment and calibration data table in this test report.

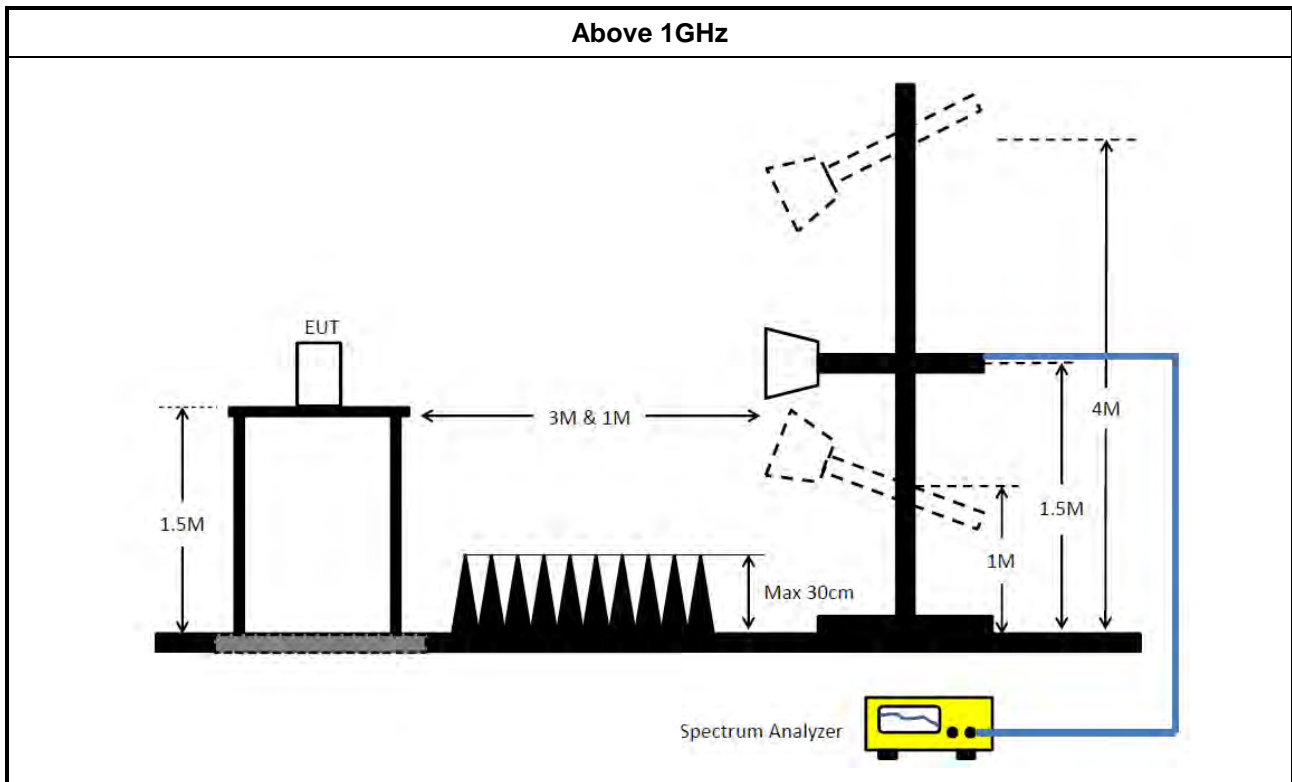


3.5.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). 	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \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 FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	<input type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW \geq 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
	<input type="checkbox"/> Refer as 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.
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	<ul style="list-style-type: none"> ▪ 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. 	

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Jan. 07, 2022	Jan. 06, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 18, 2022	Mar. 17, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 07, 2021	Nov. 06, 2022	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 26, 2021	Mar. 25, 2022	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Oct. 14, 2021	Oct. 13, 2022	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 27, 2021	Apr. 26, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Sep. 14, 2021	Sep. 13, 2022	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 02, 2021	Aug. 01, 2022	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

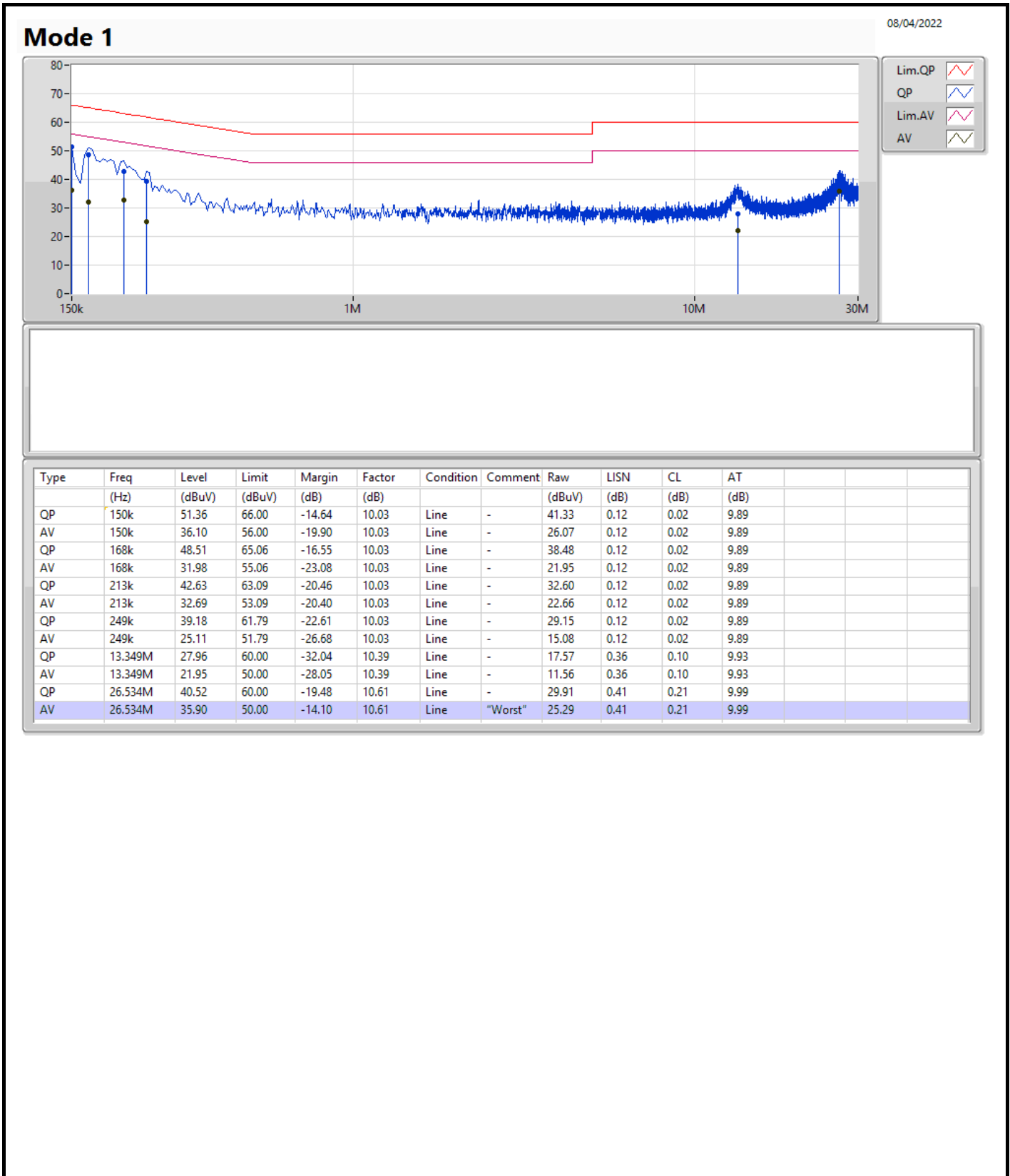
Note: Calibration Interval of instruments listed above is one year.

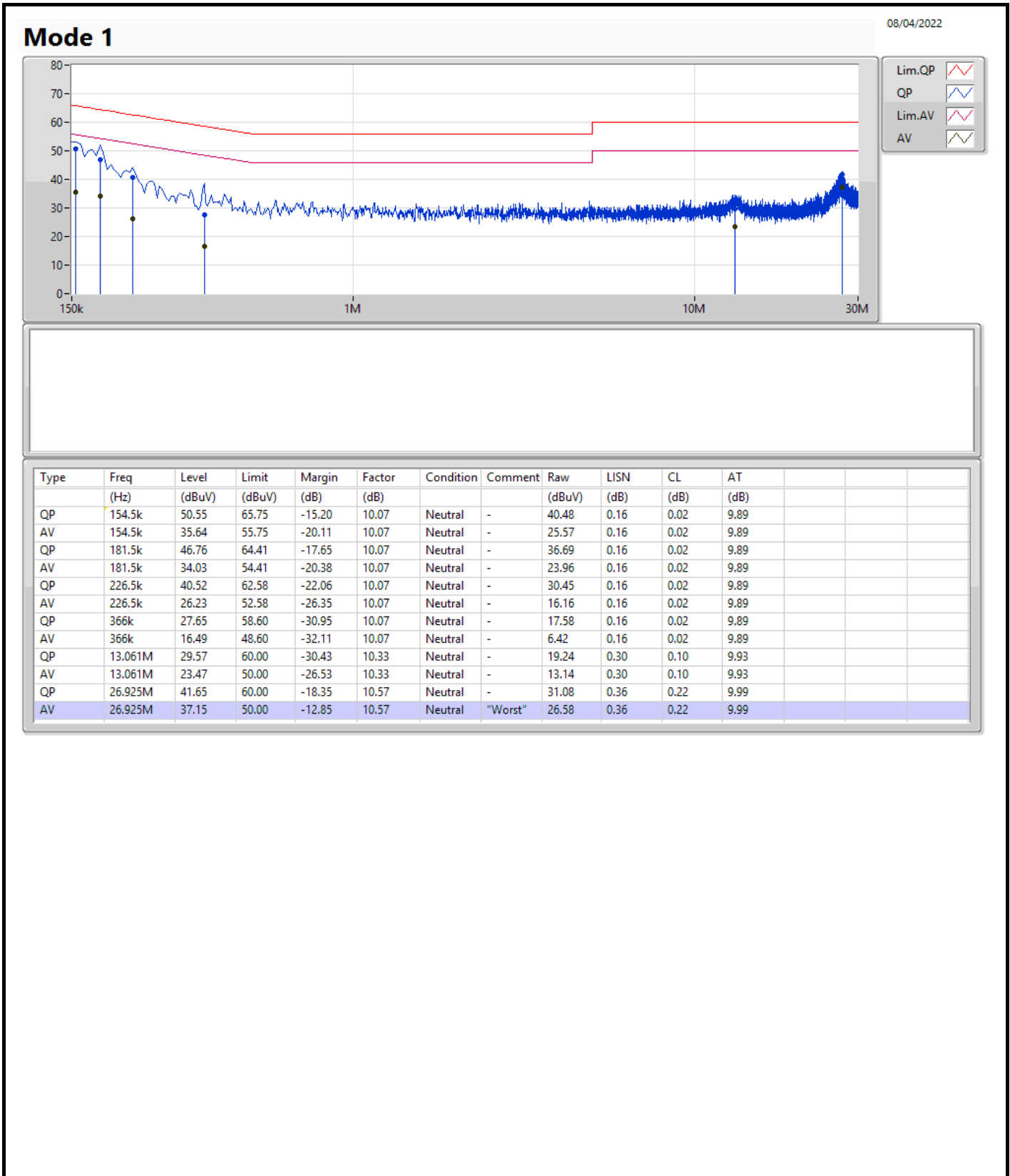
N.C.R. means Non-Calibration required.



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	26.925M	37.15	50.00	-12.85	Neutral





Summary

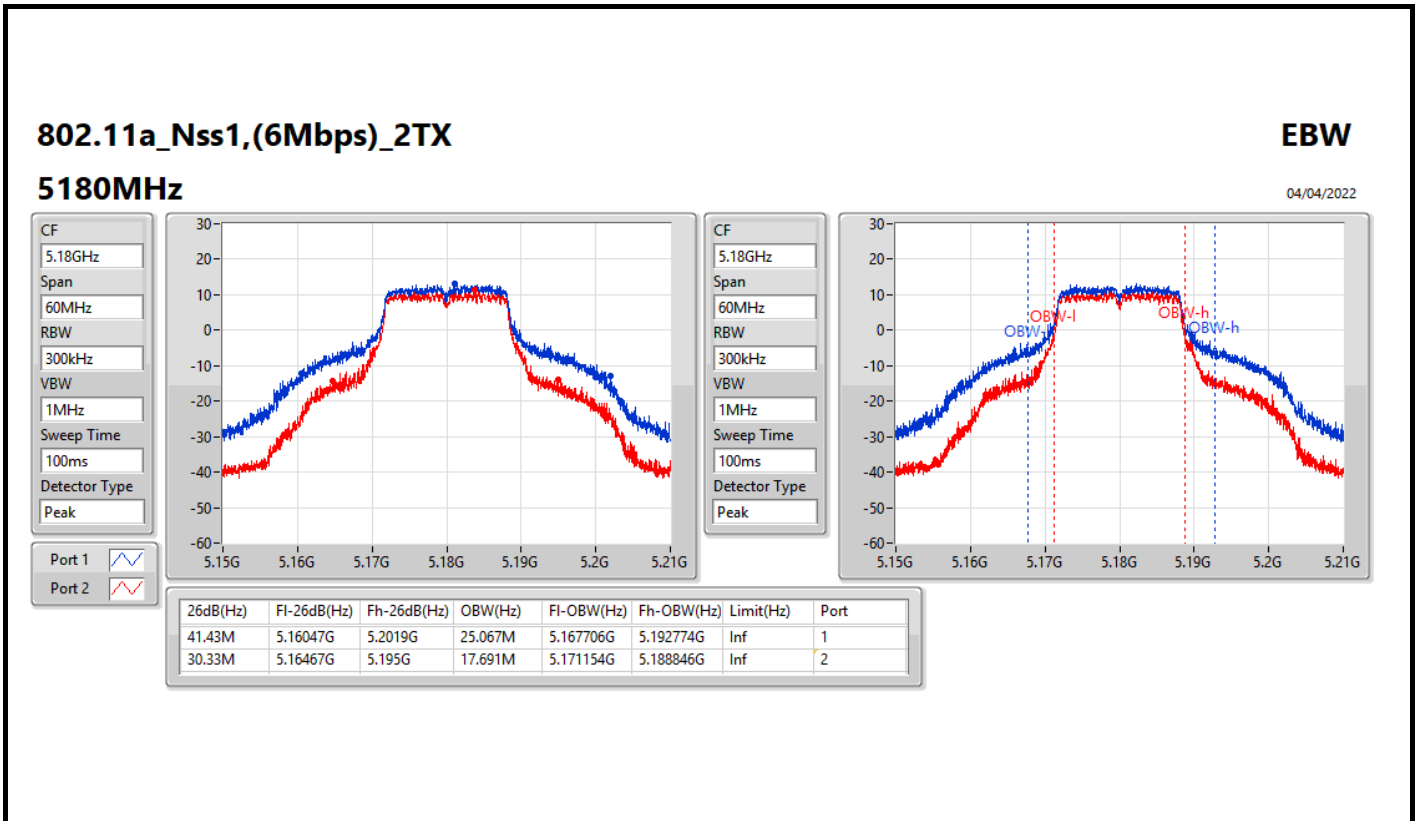
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	54.99M	37.481M	37M5D1D	30.33M	17.301M
802.11ax HEW20_Nss1,(MCS0)_2TX	52.95M	35.412M	35M4D1D	28.41M	19.28M
802.11ax HEW40_Nss1,(MCS0)_2TX	76.08M	39.22M	39M2D1D	45.42M	38.141M
802.11ax HEW80_Nss1,(MCS0)_2TX	89.76M	77.961M	78M0D1D	88.8M	77.961M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.35M	42.759M	42M8D1D	16.29M	36.402M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.57M	44.558M	44M6D1D	18.12M	38.531M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.86M	78.441M	78M4D1D	37.26M	53.673M
802.11ax HEW80_Nss1,(MCS0)_2TX	75.96M	87.436M	87M4D1D	75.12M	83.718M

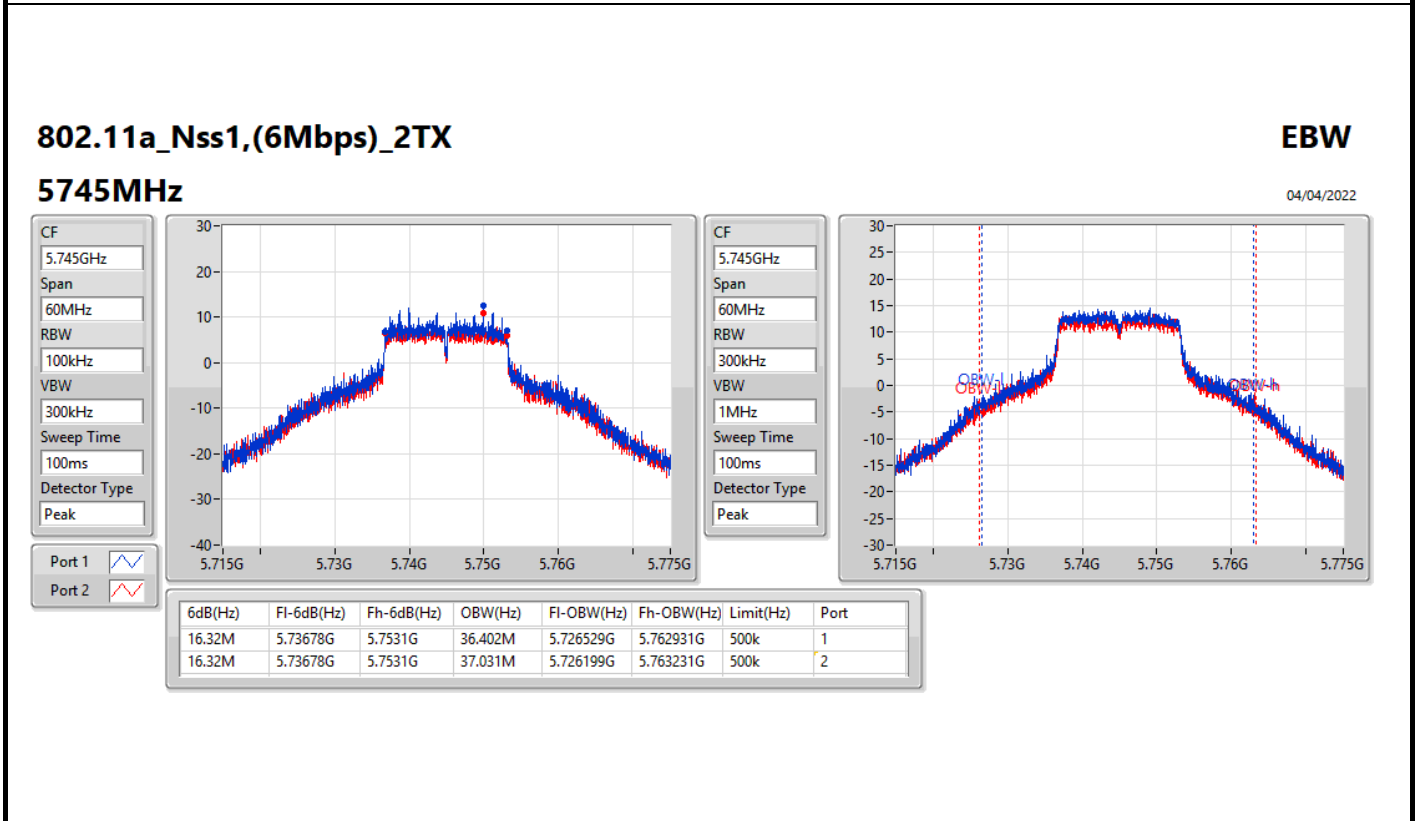
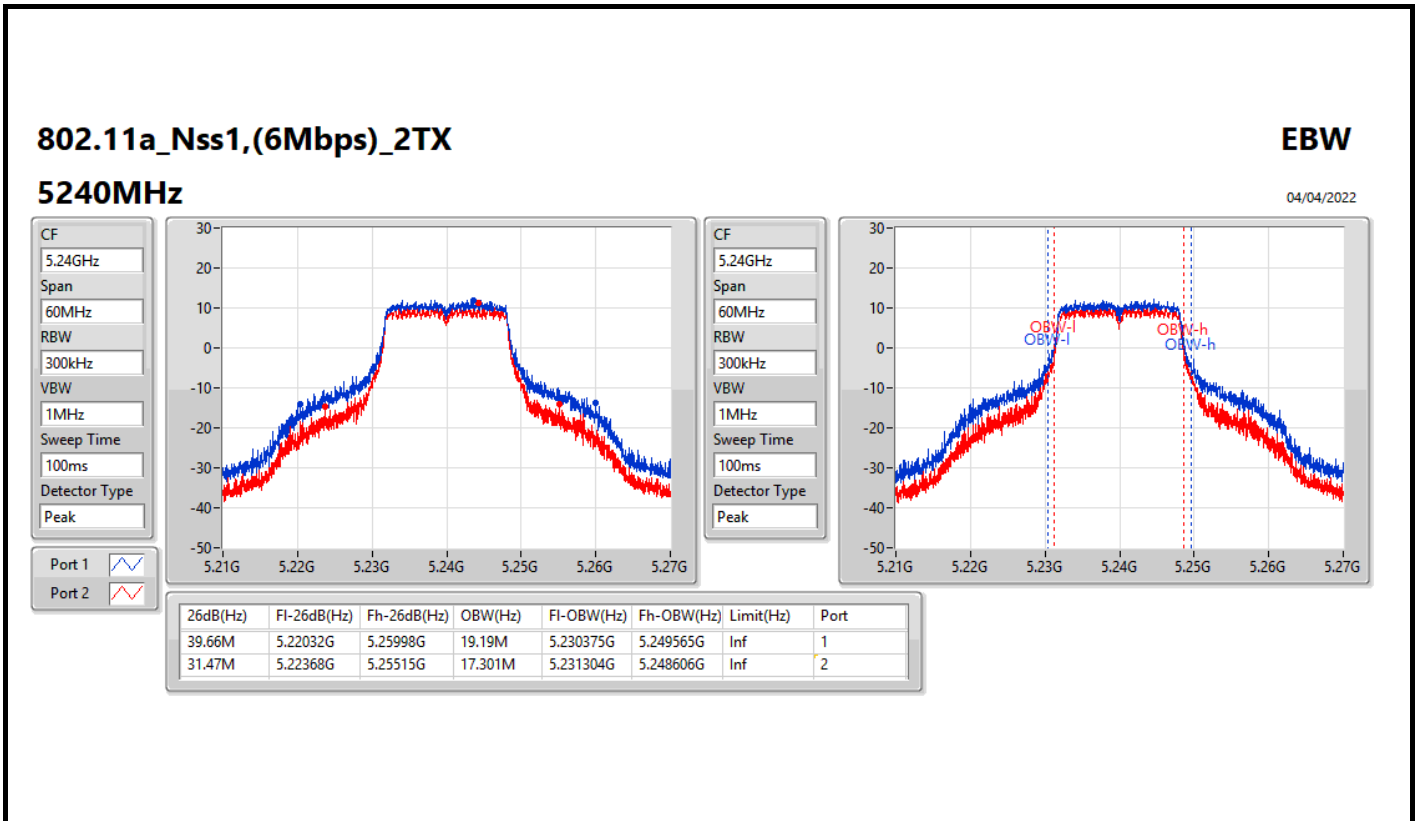
Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth

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	41.43M	25.067M	30.33M	17.691M
5200MHz	Pass	Inf	54.99M	37.481M	43.89M	25.217M
5240MHz	Pass	Inf	39.66M	19.19M	31.47M	17.301M
5745MHz	Pass	500k	16.32M	36.402M	16.32M	37.031M
5785MHz	Pass	500k	16.35M	39.25M	16.29M	41.619M
5825MHz	Pass	500k	16.29M	37.061M	16.32M	42.759M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	40.26M	20.21M	28.41M	19.28M
5200MHz	Pass	Inf	52.95M	35.412M	45.03M	21.619M
5240MHz	Pass	Inf	43.17M	19.91M	32.4M	19.28M
5745MHz	Pass	500k	18.54M	38.531M	18.45M	39.4M
5785MHz	Pass	500k	18.57M	41.889M	18.15M	43.958M
5825MHz	Pass	500k	18.12M	39.73M	18.36M	44.558M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	53.64M	38.201M	45.42M	38.141M
5230MHz	Pass	Inf	76.08M	39.22M	60.36M	38.441M
5755MHz	Pass	500k	37.26M	53.673M	37.62M	55.892M
5795MHz	Pass	500k	37.86M	78.441M	37.56M	70.645M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	89.76M	77.961M	88.8M	77.961M
5775MHz	Pass	500k	75.96M	83.718M	75.12M	87.436M

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





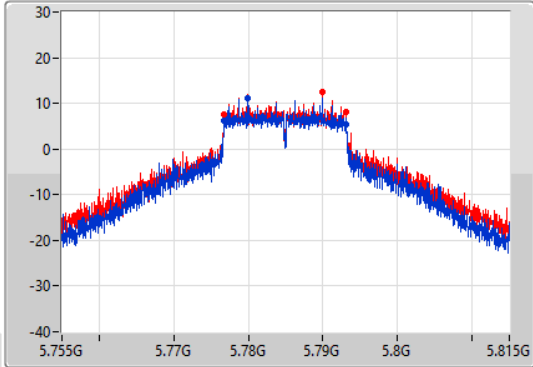
802.11a_Nss1,(6Mbps)_2TX

EBW

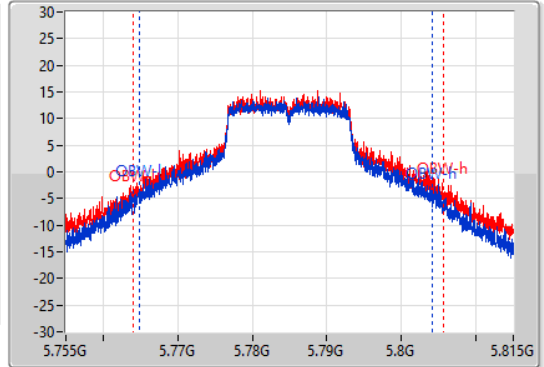
5785MHz

04/04/2022

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
16.35M	5.77678G	5.79313G	39.25M	5.76488G	5.80413G	500k	1
16.29M	5.77678G	5.79307G	41.619M	5.763951G	5.80557G	500k	2

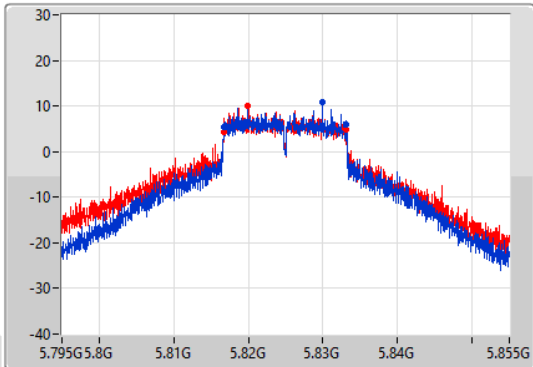
802.11a_Nss1,(6Mbps)_2TX

EBW

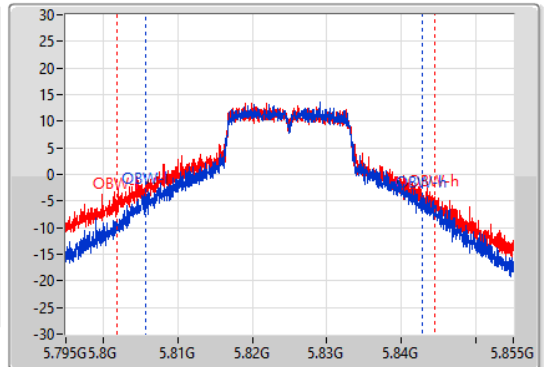
5825MHz

04/04/2022

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



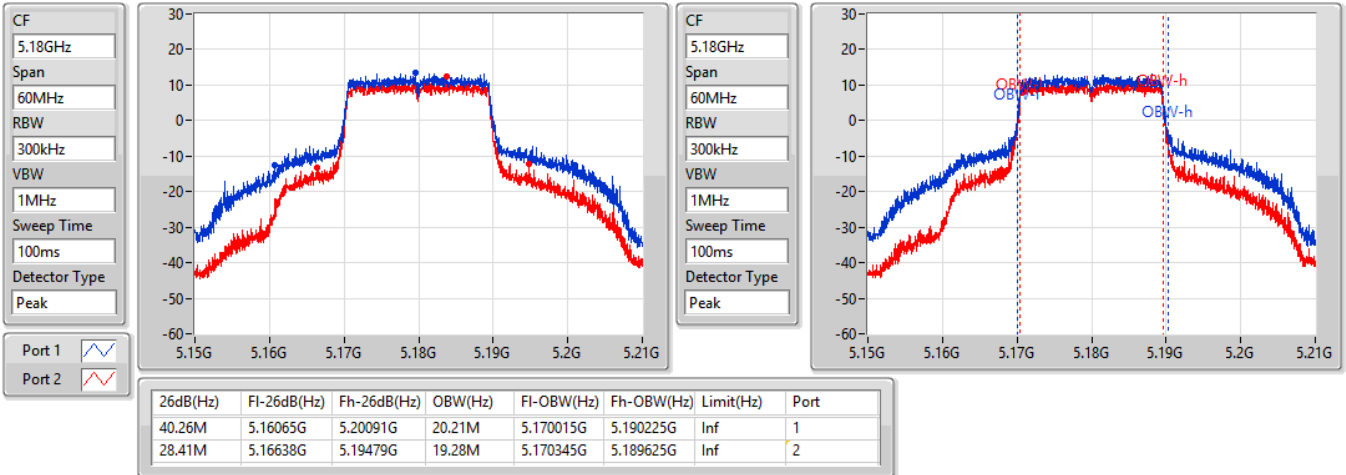
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.81678G	5.83307G	37.061M	5.80569G	5.842751G	500k	1
16.32M	5.81675G	5.83307G	42.759M	5.801792G	5.84455G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5180MHz

04/04/2022

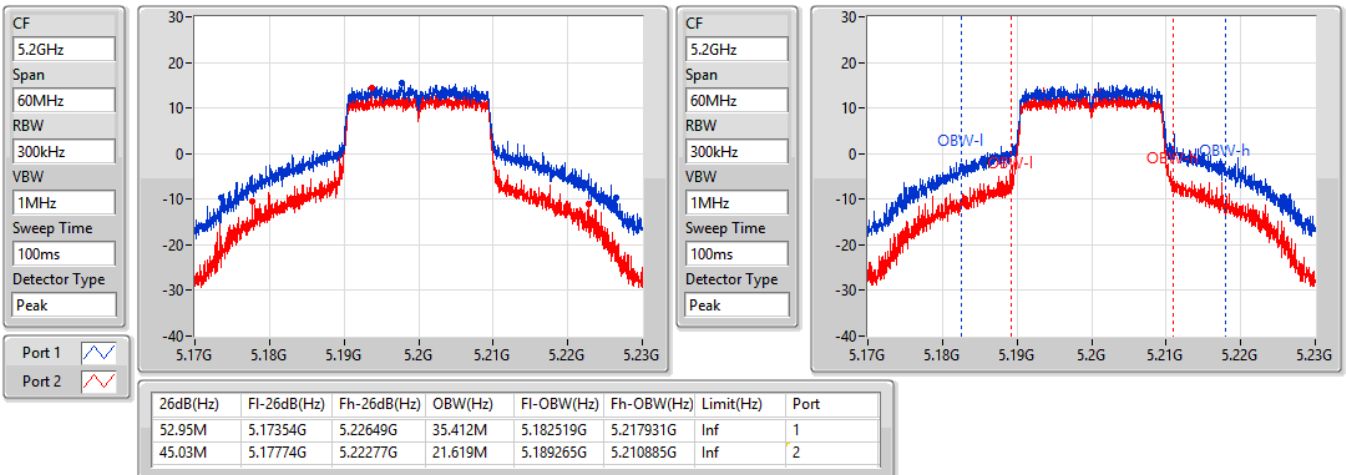


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5200MHz

04/04/2022

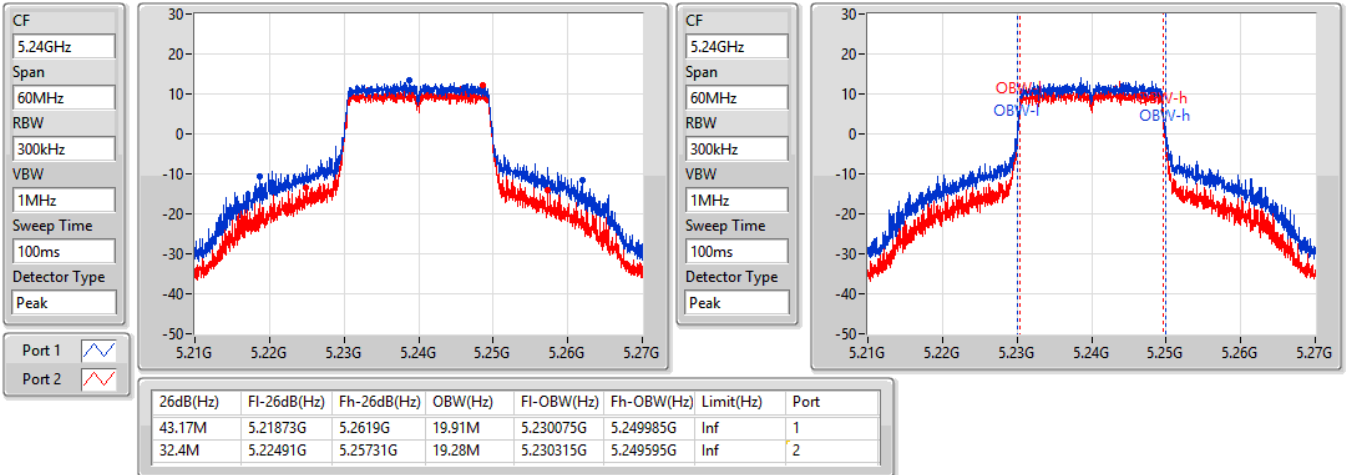


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5240MHz

04/04/2022

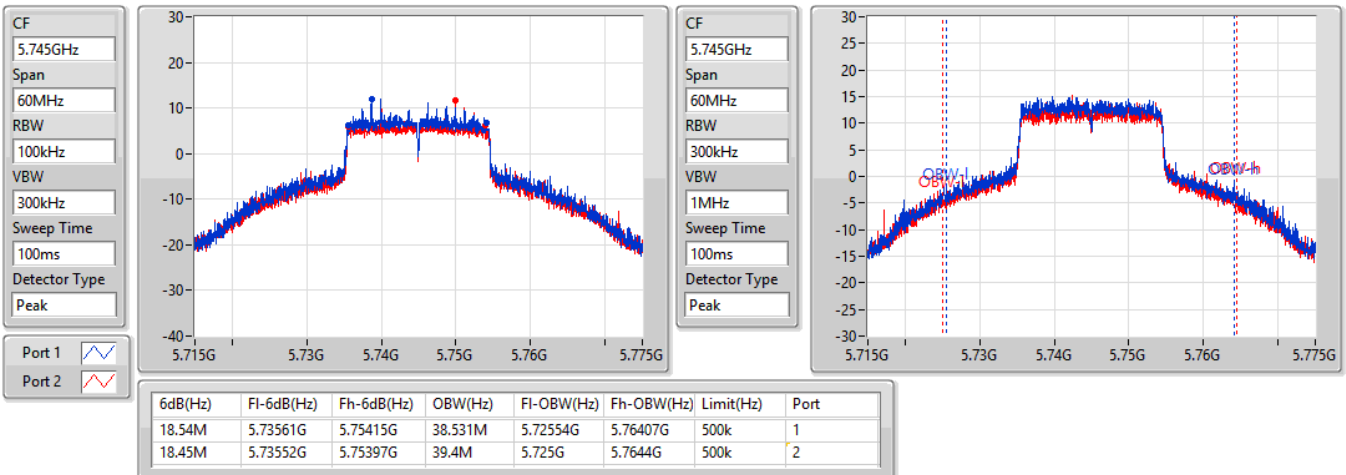


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5745MHz

04/04/2022



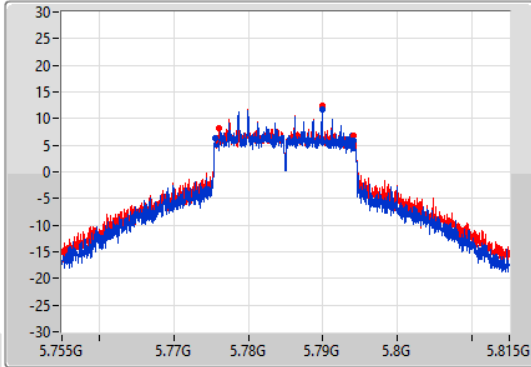
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

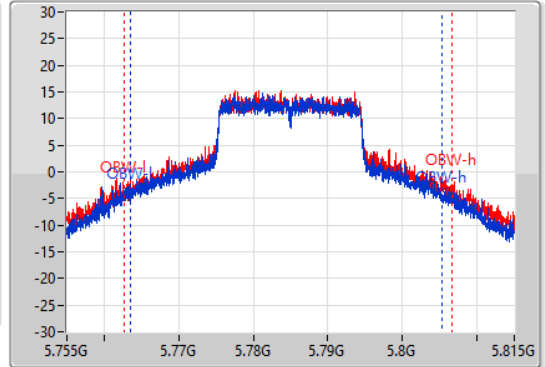
5785MHz

04/04/2022

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
18.57M	5.77549G	5.79406G	41.889M	5.763471G	5.80536G	500k	1
18.15M	5.776G	5.79415G	43.958M	5.762661G	5.806619G	500k	2

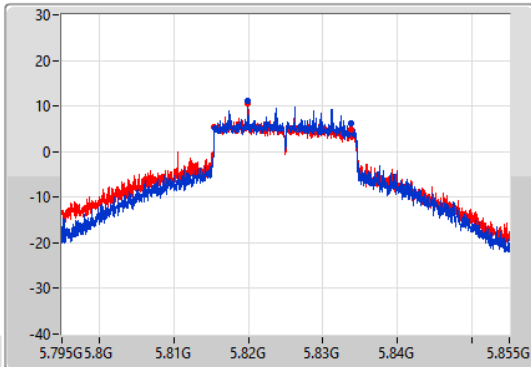
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

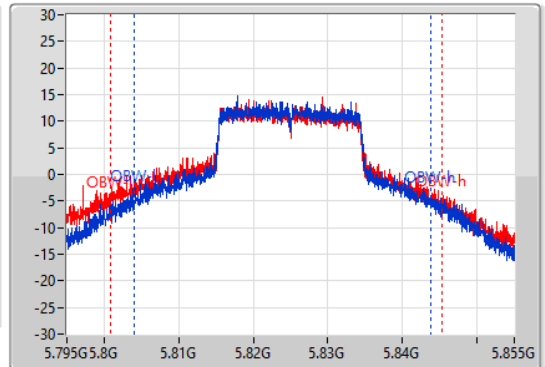
5825MHz

04/04/2022

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
18.12M	5.81564G	5.83376G	39.73M	5.80407G	5.843801G	500k	1
18.36M	5.81546G	5.83382G	44.558M	5.800772G	5.84533G	500k	2

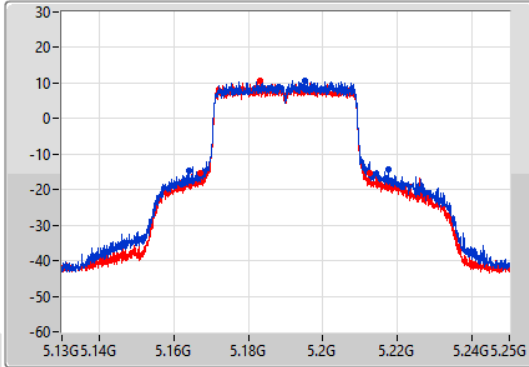
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

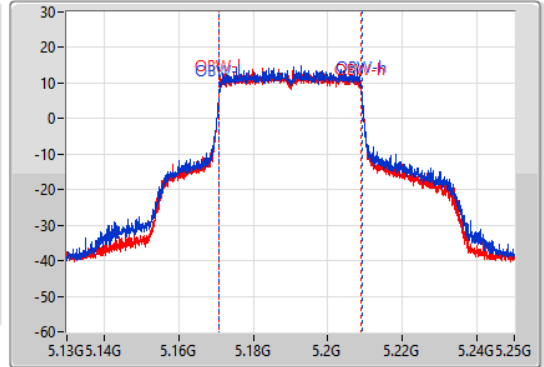
5190MHz

04/04/2022

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
53.64M	5.16396G	5.2176G	38.201M	5.17087G	5.20907G	Inf	1
45.42M	5.16714G	5.21256G	38.141M	5.17087G	5.20901G	Inf	2

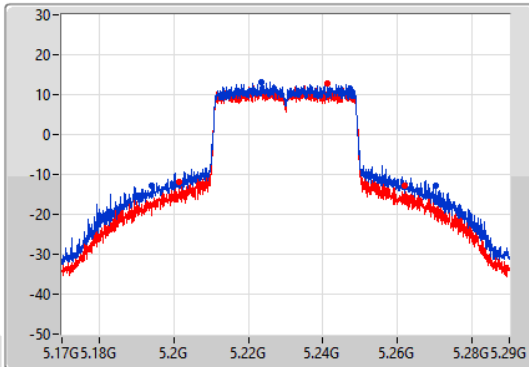
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

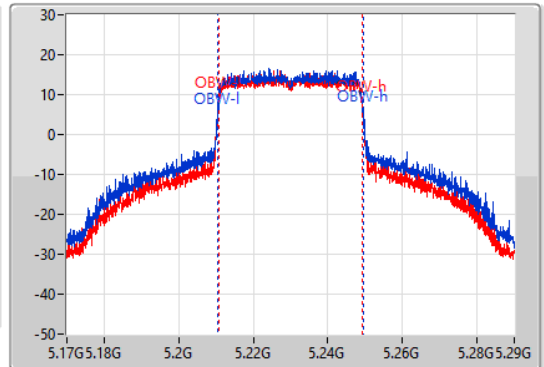
5230MHz

04/04/2022

CF
5.23GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.23GHz
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
76.08M	5.19412G	5.2702G	39.22M	5.21039G	5.24961G	Inf	1
60.36M	5.2015G	5.26186G	38.441M	5.21075G	5.24919G	Inf	2

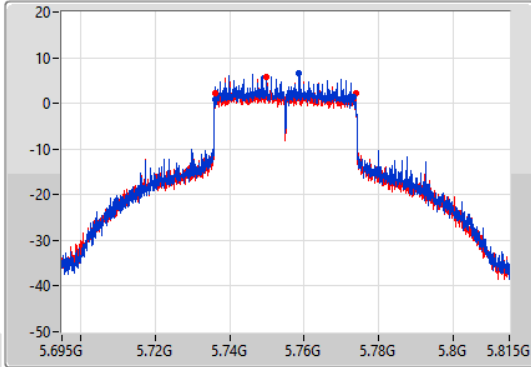
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

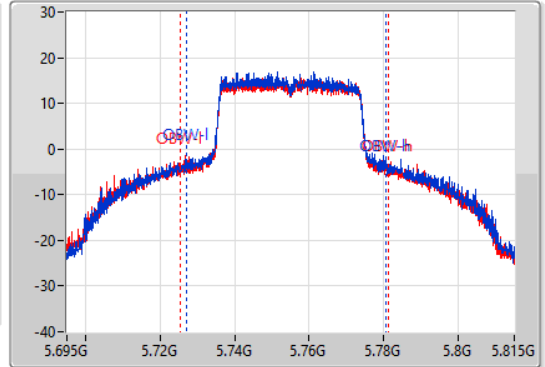
5755MHz

04/04/2022

CF
5.755GHz
Span
120MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.755GHz
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
37.26M	5.7361G	5.77336G	53.673M	5.727054G	5.780727G	500k	1
37.62M	5.73616G	5.77378G	55.892M	5.725435G	5.781327G	500k	2

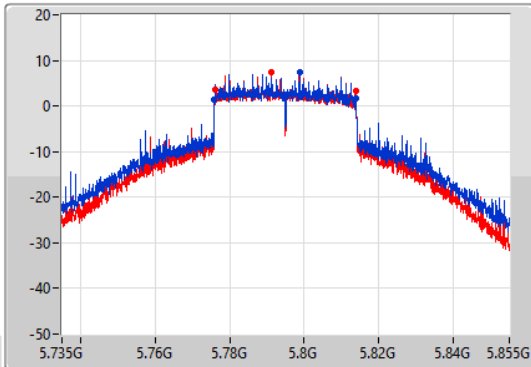
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

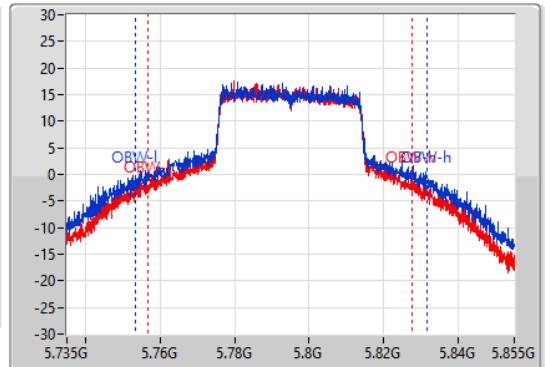
5795MHz

04/04/2022

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
37.86M	5.77592G	5.81378G	78.441M	5.753321G	5.831762G	500k	1
37.56M	5.77616G	5.81372G	70.645M	5.756799G	5.827444G	500k	2

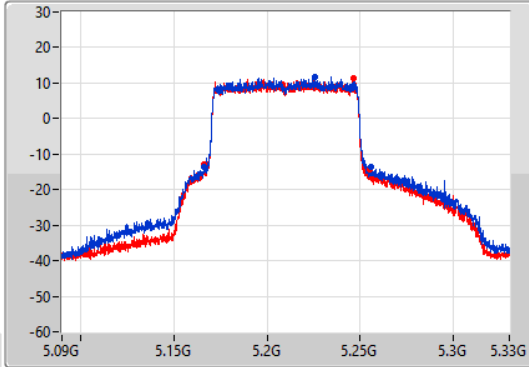
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

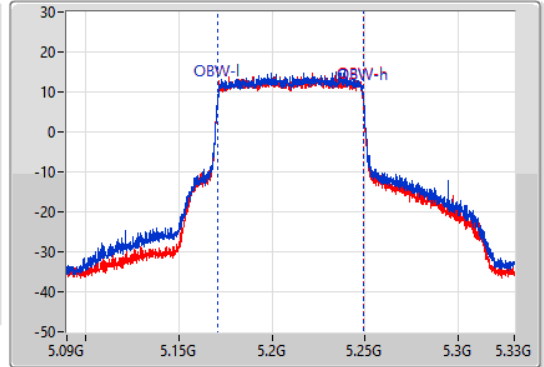
5210MHz

04/04/2022

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
89.76M	5.16608G	5.25584G	77.961M	5.171139G	5.2491G	Inf	1
88.8M	5.16644G	5.25524G	77.961M	5.171019G	5.248981G	Inf	2

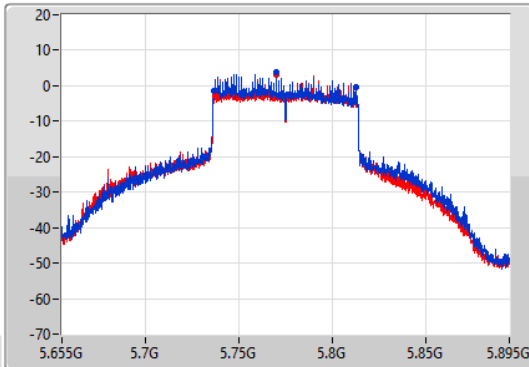
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

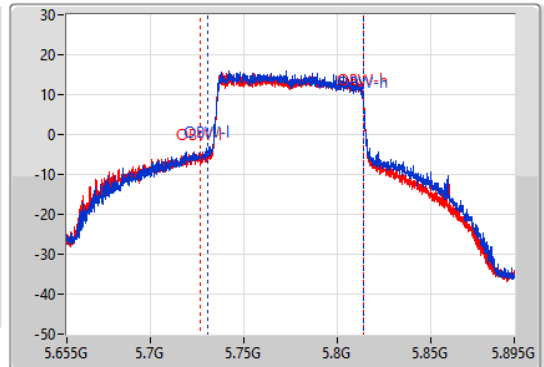
5775MHz

04/04/2022

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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.96M	5.73648G	5.81244G	83.718M	5.730622G	5.81434G	500k	1
75.12M	5.73732G	5.81244G	87.436M	5.726664G	5.8141G	500k	2



Summary

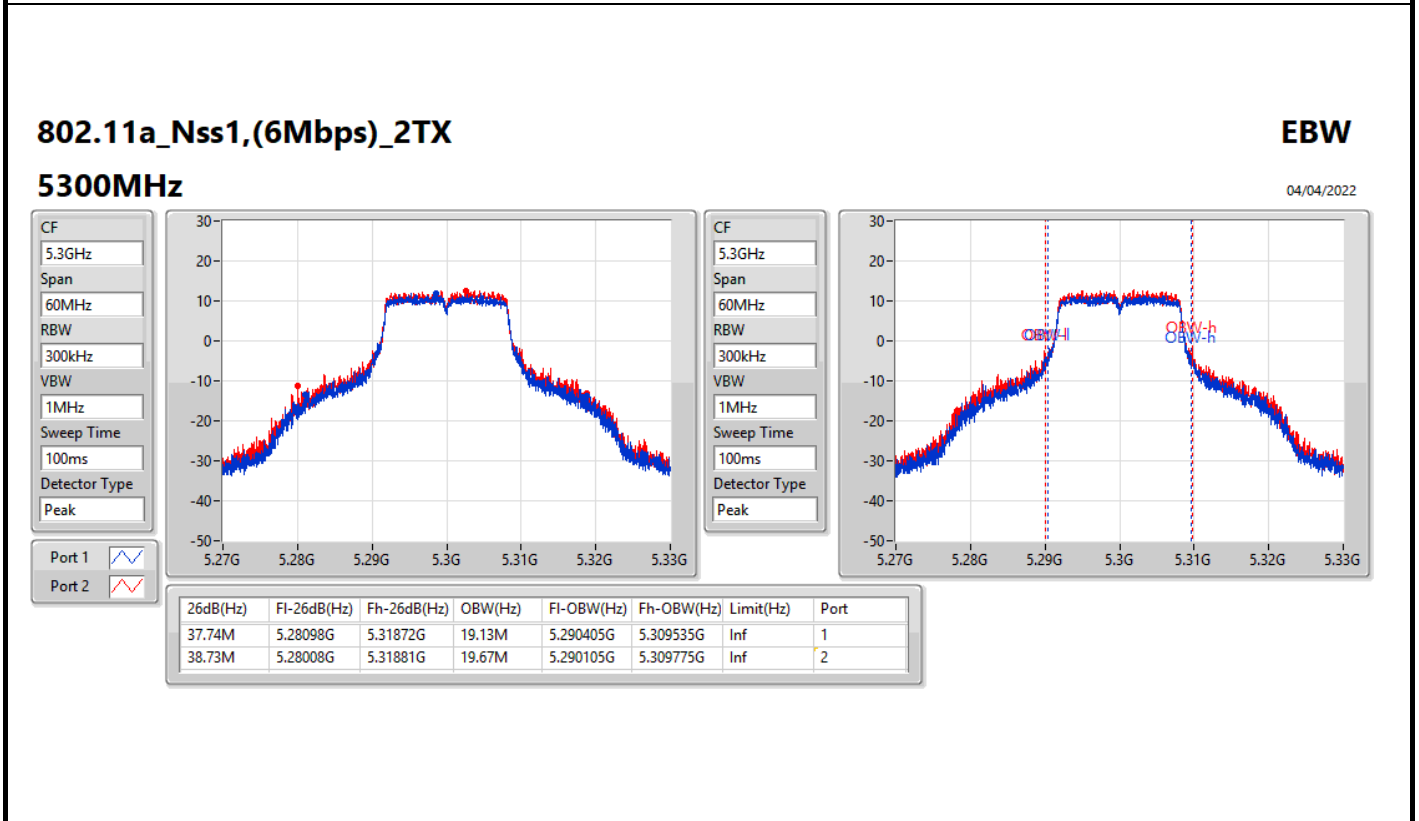
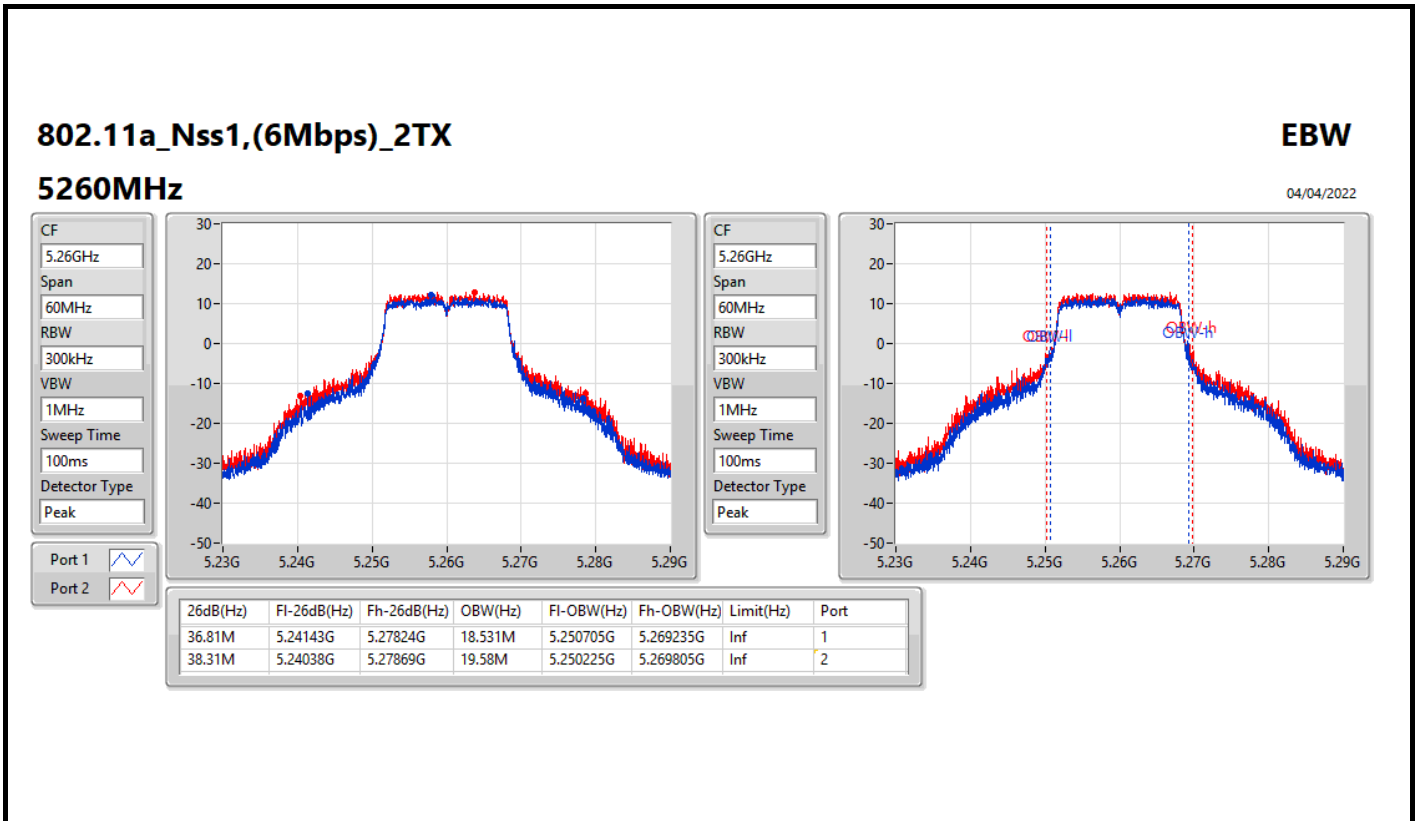
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	38.73M	19.67M	19M7D1D	33.66M	18.291M
802.11ax HEW20_Nss1,(MCS0)_2TX	43.74M	19.76M	19M8D1D	38.22M	19.52M
802.11ax HEW40_Nss1,(MCS0)_2TX	78.3M	39.58M	39M6D1D	43.62M	38.201M
802.11ax HEW80_Nss1,(MCS0)_2TX	95.04M	77.961M	78M0D1D	89.16M	77.961M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	40.29M	19.31M	19M3D1D	17.715M	13.868M
802.11ax HEW20_Nss1,(MCS0)_2TX	43.74M	19.82M	19M8D1D	16.215M	14.633M
802.11ax HEW40_Nss1,(MCS0)_2TX	72.9M	39.46M	39M5D1D	44.555M	34.108M
802.11ax HEW80_Nss1,(MCS0)_2TX	147M	79.76M	79M8D1D	88.08M	73.988M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.12M	9.095M	9M10D1D	3.12M	5.037M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.46M	9.675M	9M68D1D	4.44M	4.858M
802.11ax HEW40_Nss1,(MCS0)_2TX	3.92M	21.109M	21M1D1D	3.9M	13.753M
802.11ax HEW80_Nss1,(MCS0)_2TX	3.92M	34.523M	34M5D1D	3.78M	28.486M

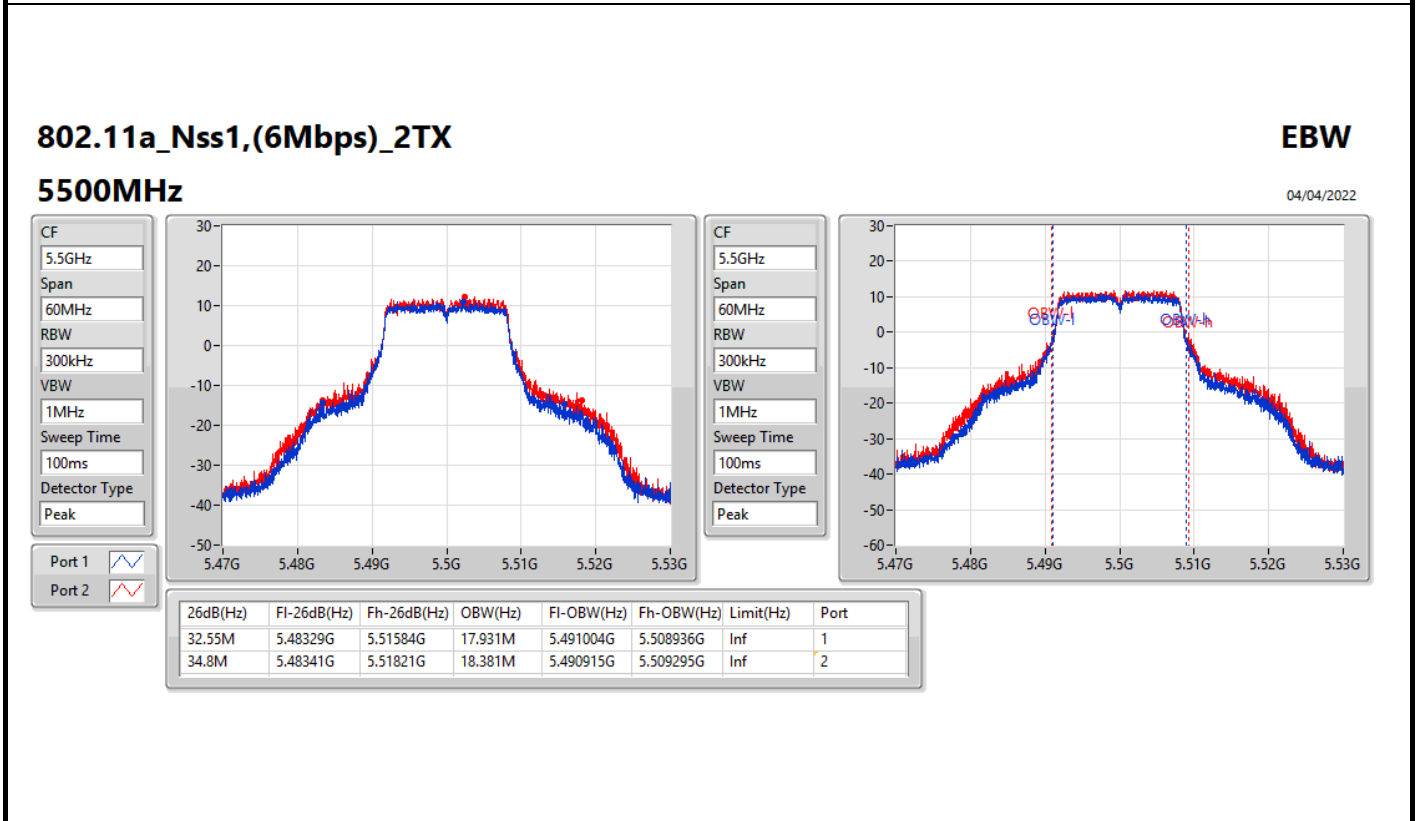
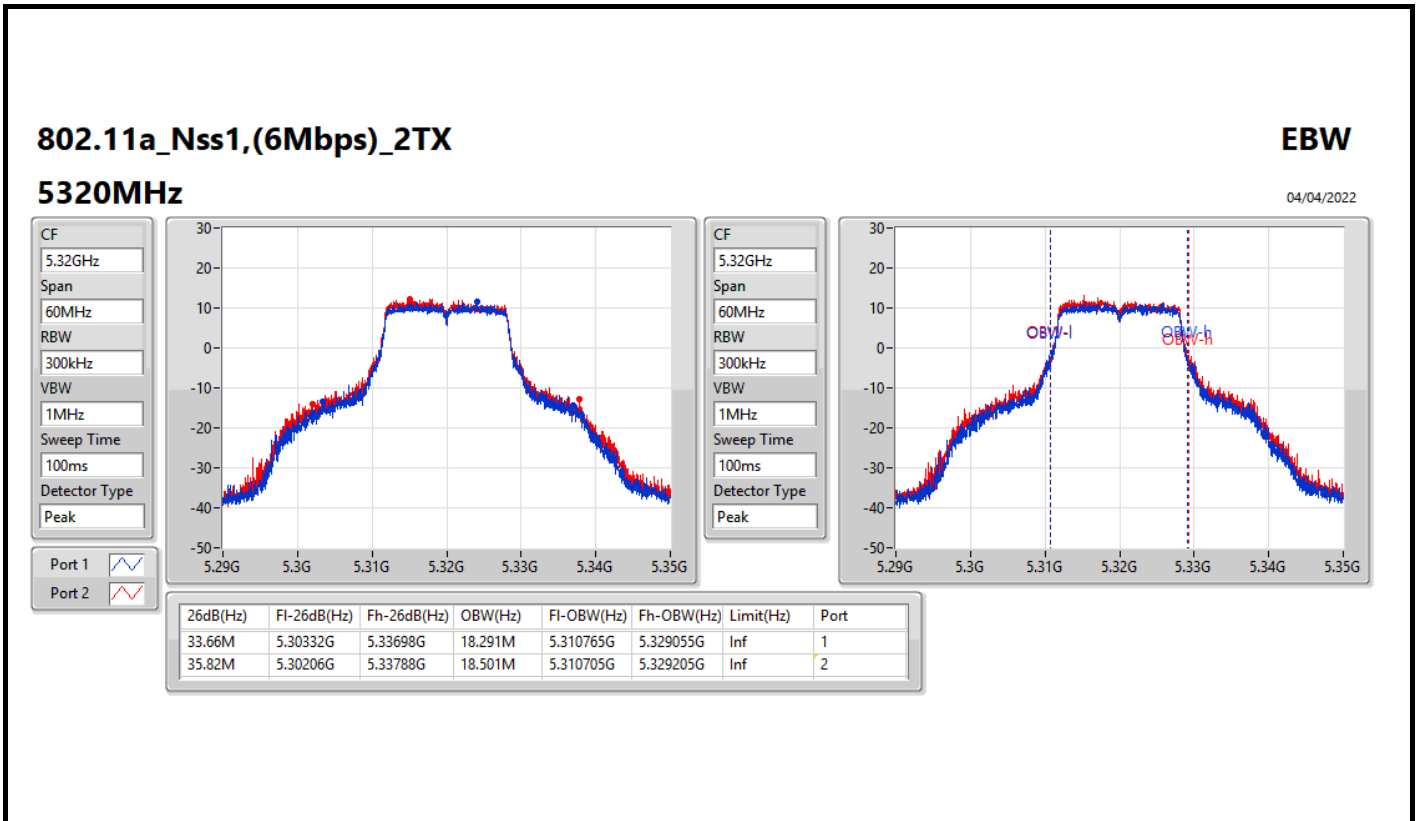
Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth

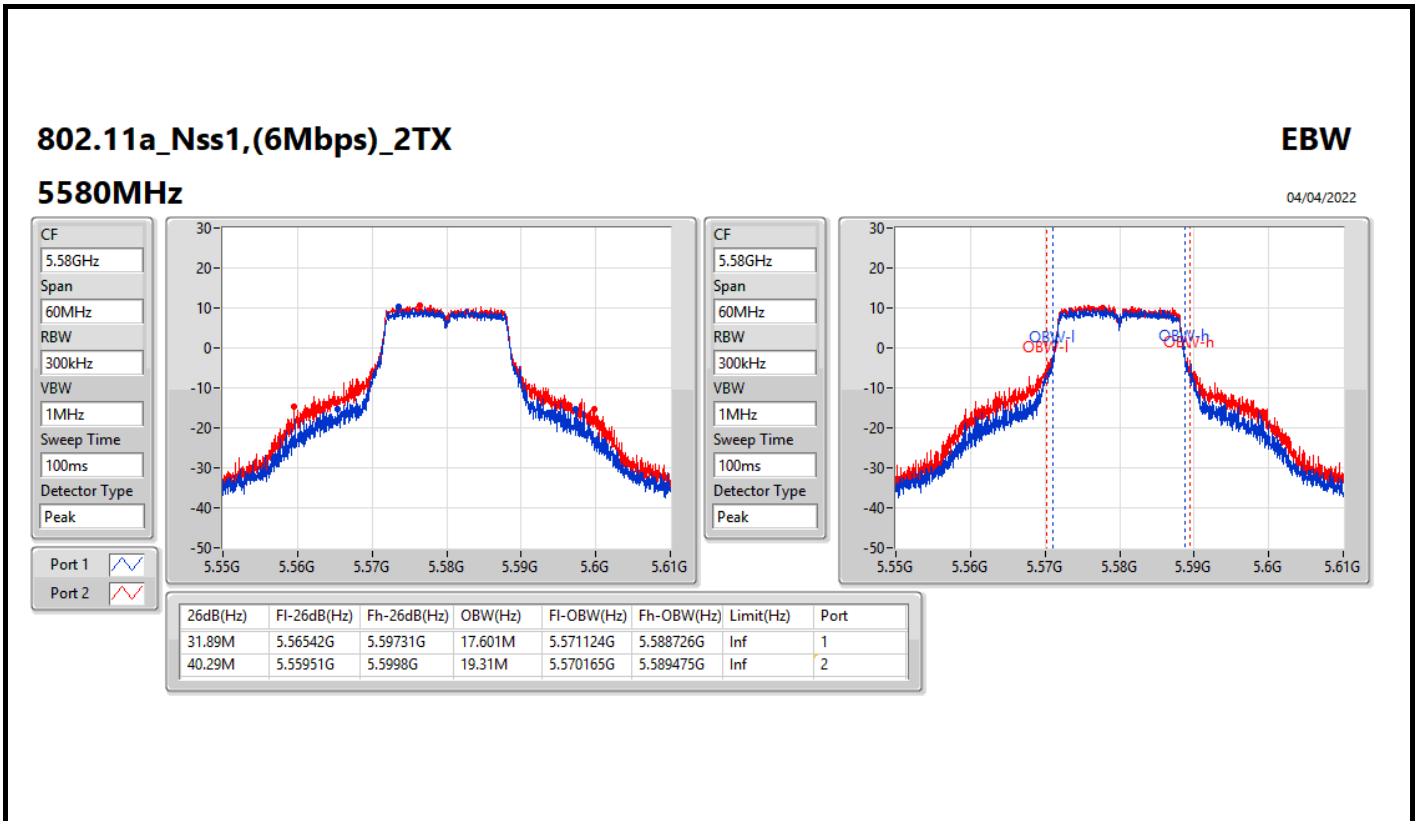
Result

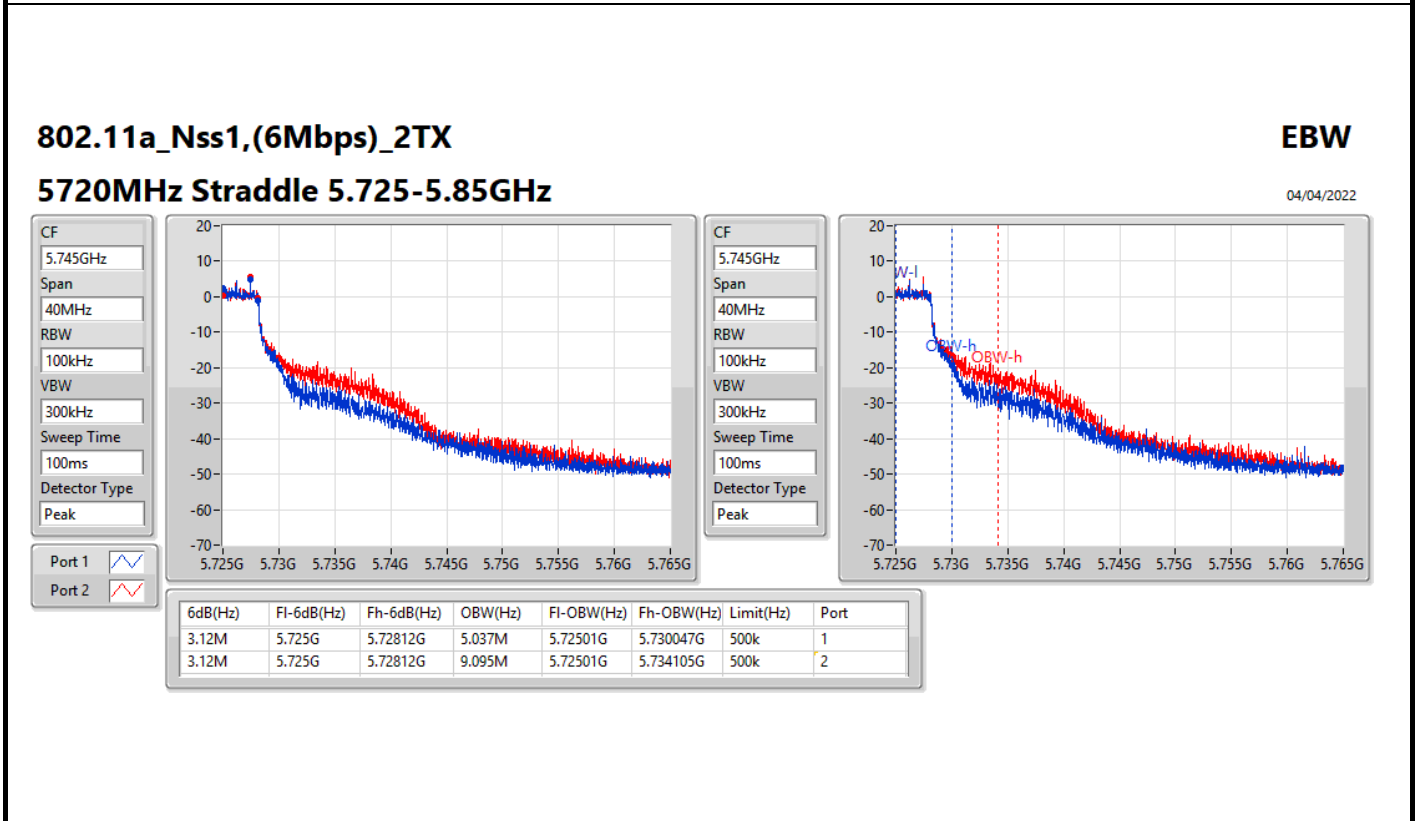
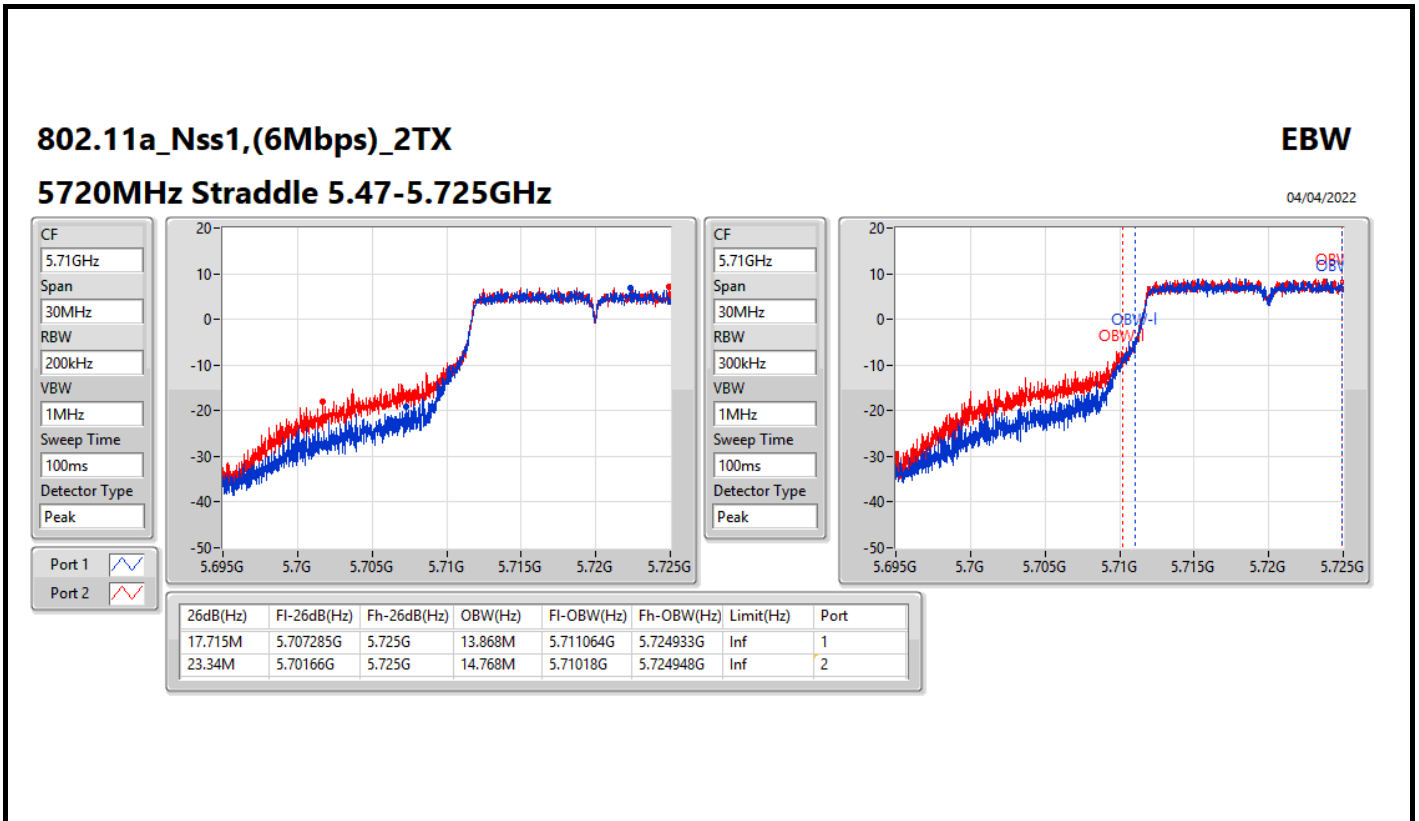
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	36.81M	18.531M	38.31M	19.58M
5300MHz	Pass	Inf	37.74M	19.13M	38.73M	19.67M
5320MHz	Pass	Inf	33.66M	18.291M	35.82M	18.501M
5500MHz	Pass	Inf	32.55M	17.931M	34.8M	18.381M
5580MHz	Pass	Inf	31.89M	17.601M	40.29M	19.31M
5700MHz	Pass	Inf	27.54M	17.331M	33.18M	18.081M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	17.715M	13.868M	23.34M	14.768M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	5.037M	3.12M	9.095M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	40.17M	19.55M	41.55M	19.73M
5300MHz	Pass	Inf	43.74M	19.61M	42.93M	19.76M
5320MHz	Pass	Inf	38.97M	19.52M	38.22M	19.55M
5500MHz	Pass	Inf	37.44M	19.43M	34.86M	19.64M
5580MHz	Pass	Inf	38.01M	19.37M	43.74M	19.82M
5700MHz	Pass	Inf	21.75M	19.16M	28.71M	19.16M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.215M	14.633M	25.65M	14.888M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.858M	4.44M	9.675M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	67.62M	38.801M	78.3M	39.58M
5310MHz	Pass	Inf	43.62M	38.201M	46.38M	38.201M
5510MHz	Pass	Inf	54.6M	38.261M	54.54M	38.261M
5550MHz	Pass	Inf	61.2M	38.441M	72.9M	39.46M
5670MHz	Pass	Inf	70.56M	38.741M	60.9M	38.621M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	44.555M	34.108M	48.895M	34.423M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.92M	13.753M	3.9M	21.109M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	95.04M	77.961M	89.16M	77.961M
5530MHz	Pass	Inf	88.08M	77.961M	92.88M	78.081M
5610MHz	Pass	Inf	136.2M	79.16M	147M	79.76M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	103.5M	73.988M	106.425M	74.513M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.92M	28.486M	3.78M	34.523M

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









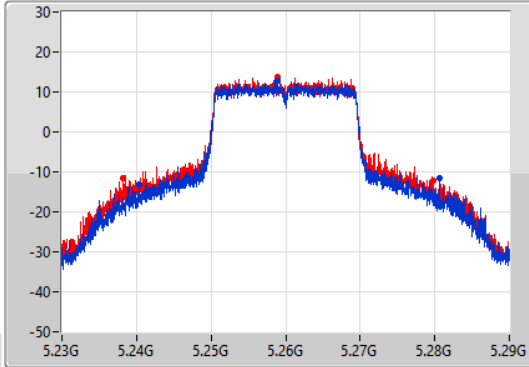
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

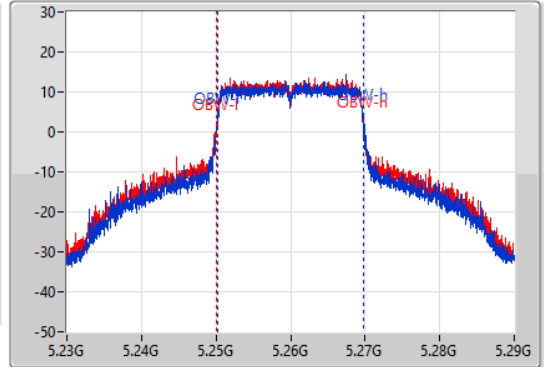
5260MHz

04/04/2022

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
40.17M	5.24044G	5.28061G	19.55M	5.250195G	5.269745G	Inf	1
41.55M	5.23825G	5.2798G	19.73M	5.250075G	5.269805G	Inf	2

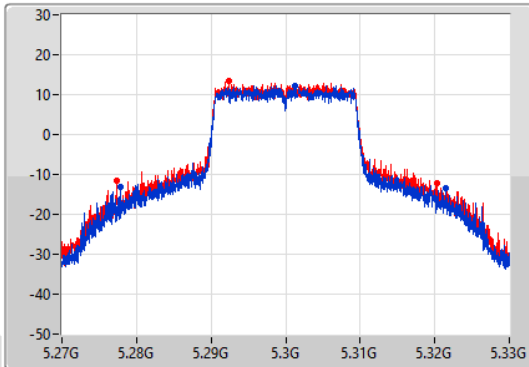
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

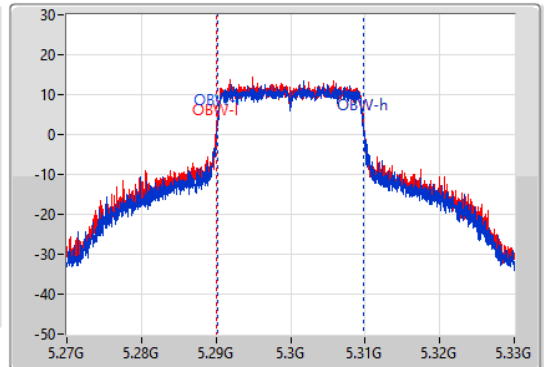
5300MHz

04/04/2022

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



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



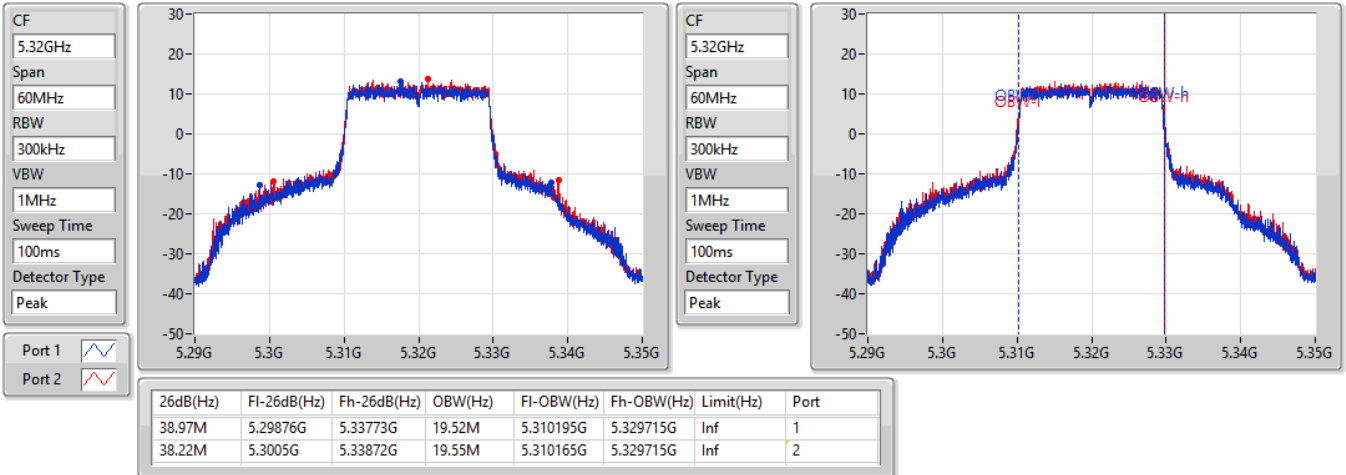
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.74M	5.2778G	5.32154G	19.61M	5.290195G	5.309805G	Inf	1
42.93M	5.27732G	5.32025G	19.76M	5.290075G	5.309835G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5320MHz

04/04/2022

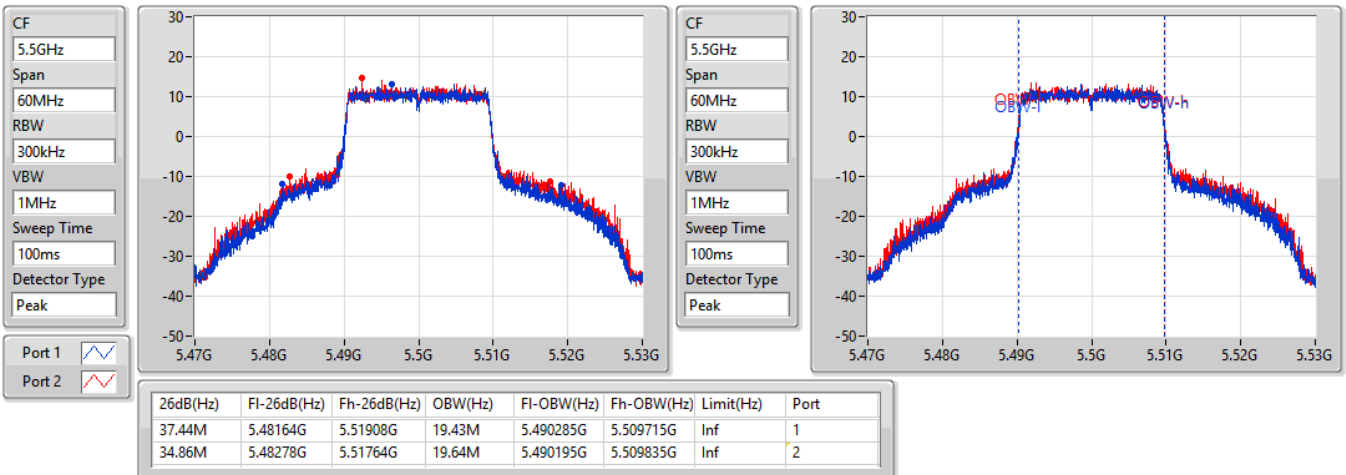


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5500MHz

04/04/2022



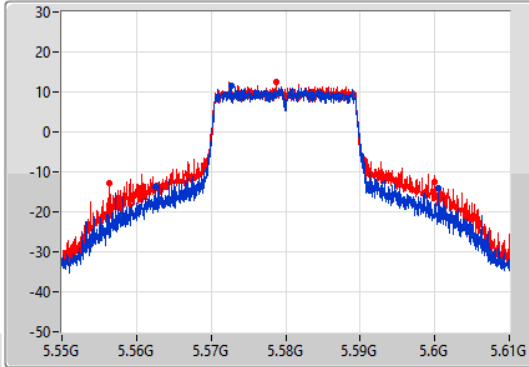
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

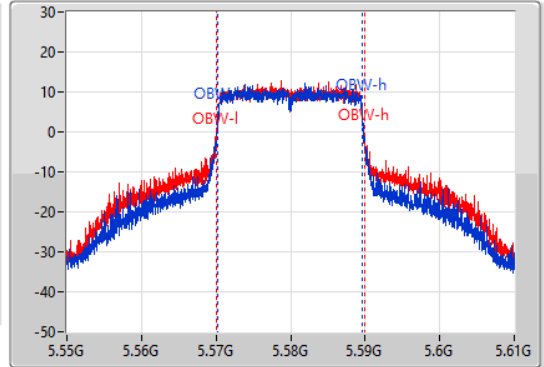
5580MHz

04/04/2022

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



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



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.01M	5.56254G	5.60055G	19.37M	5.570285G	5.589655G	Inf	1
43.74M	5.55627G	5.60001G	19.82M	5.570045G	5.589865G	Inf	2

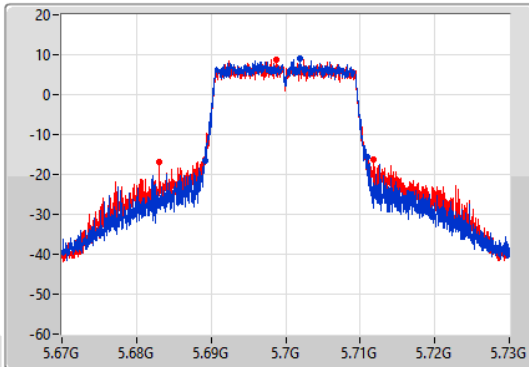
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

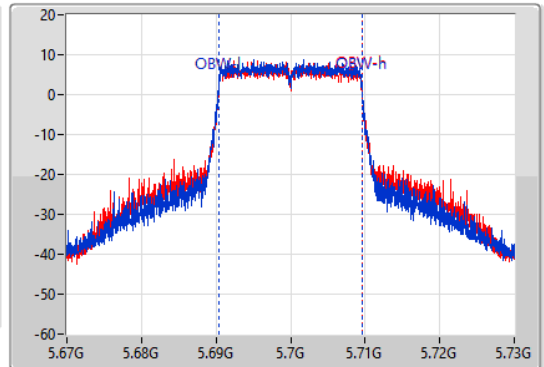
5700MHz

04/04/2022

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



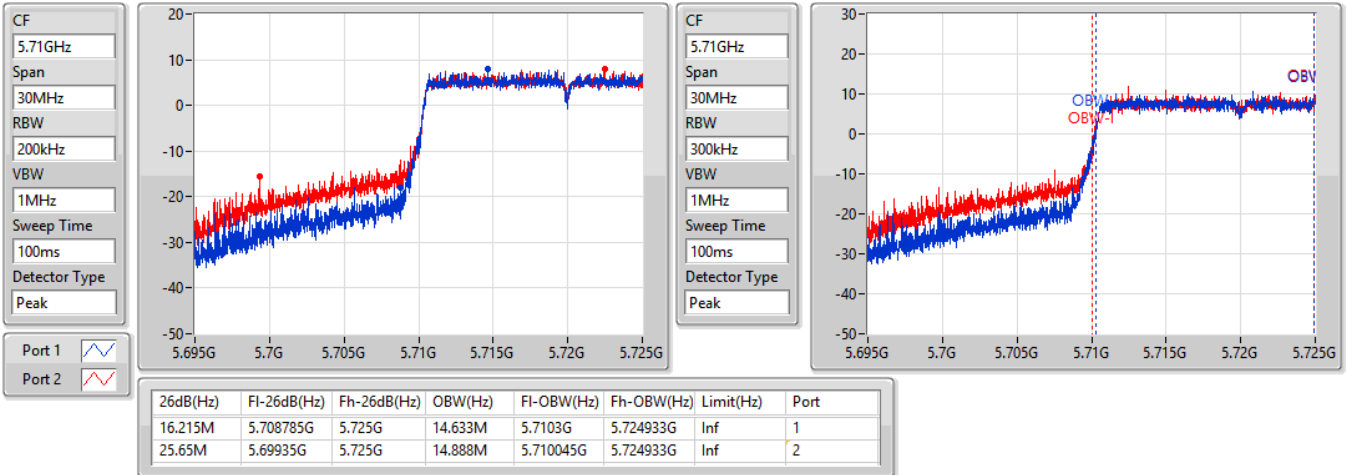
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.68914G	5.71089G	19.16M	5.690375G	5.709535G	Inf	1
28.71M	5.68302G	5.71173G	19.16M	5.690375G	5.709535G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

04/04/2022

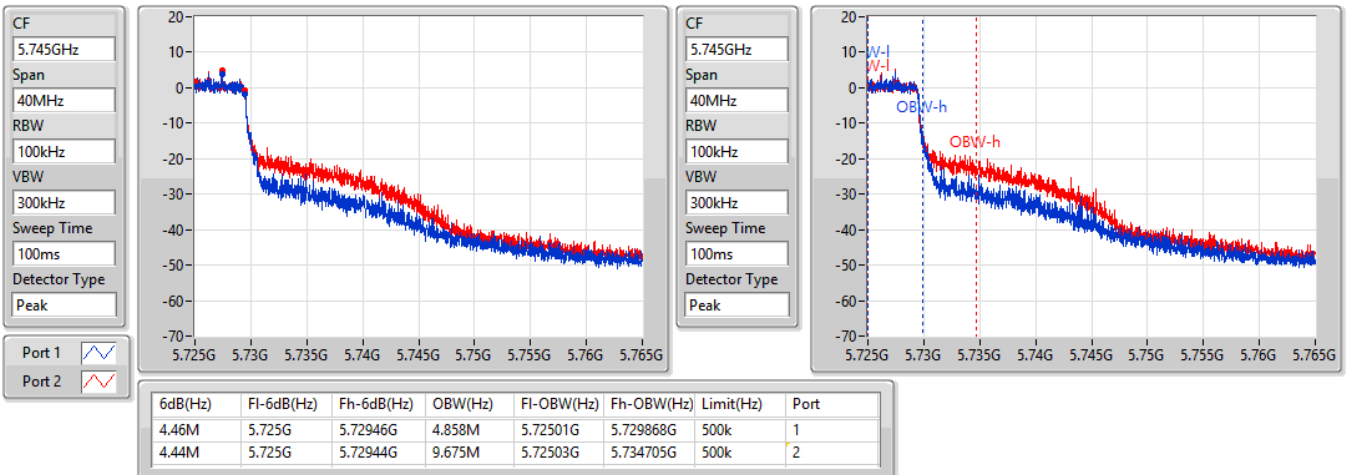


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

04/04/2022

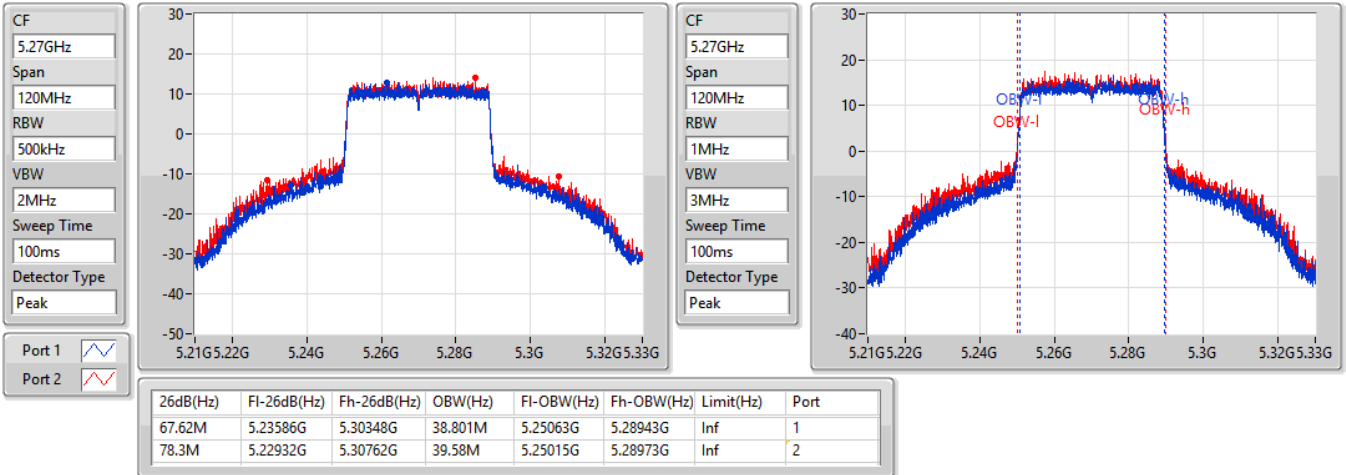


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5270MHz

04/04/2022

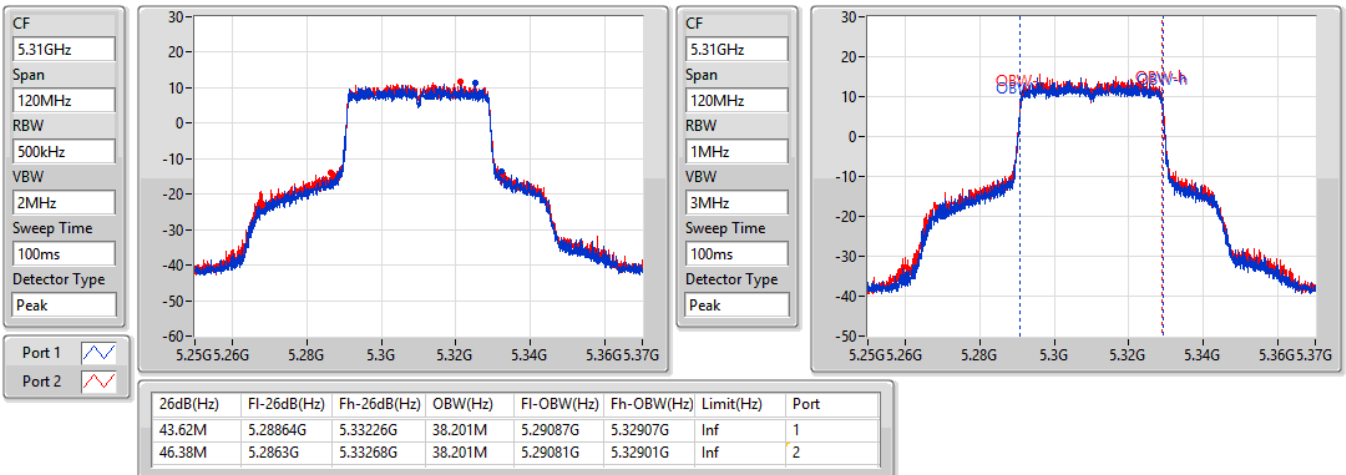


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5310MHz

04/04/2022



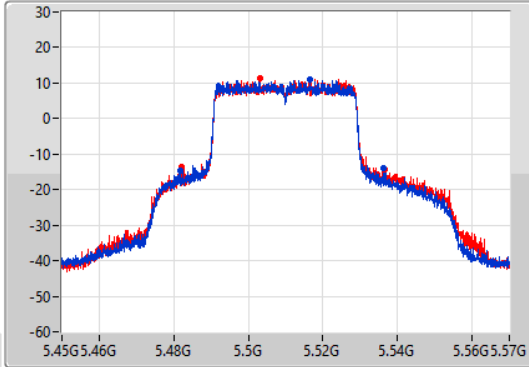
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

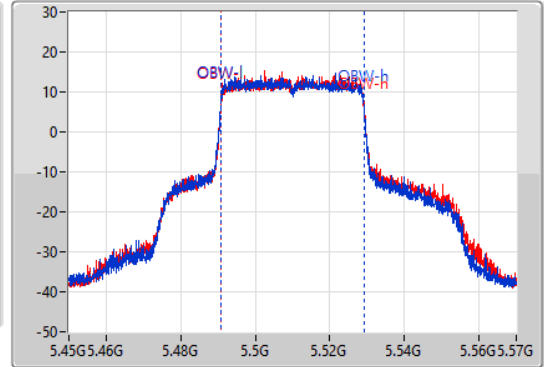
5510MHz

04/04/2022

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
54.6M	5.48162G	5.53622G	38.261M	5.49081G	5.52907G	Inf	1
54.54M	5.4821G	5.53664G	38.261M	5.49087G	5.52913G	Inf	2

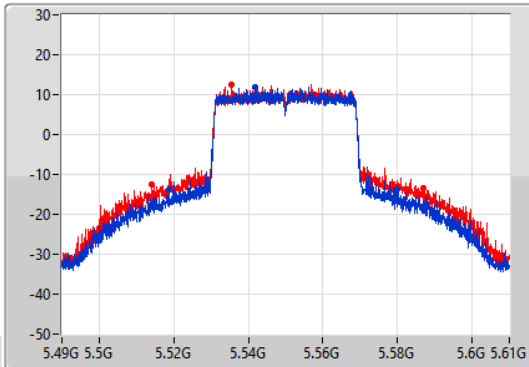
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

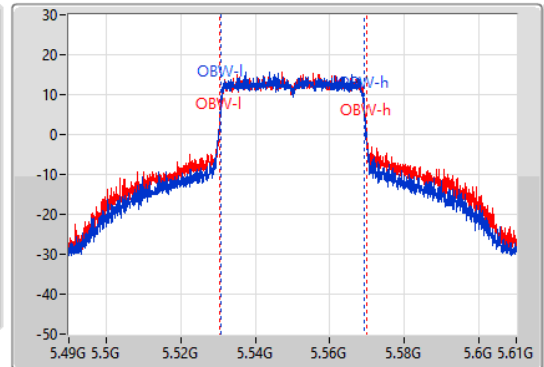
5550MHz

04/04/2022

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
61.2M	5.5188G	5.58G	38.441M	5.53075G	5.56919G	Inf	1
72.9M	5.51406G	5.58696G	39.46M	5.53039G	5.56985G	Inf	2

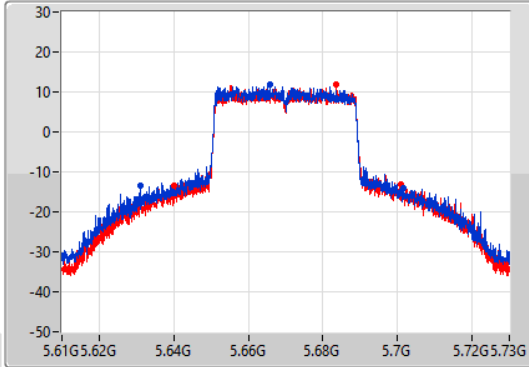
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

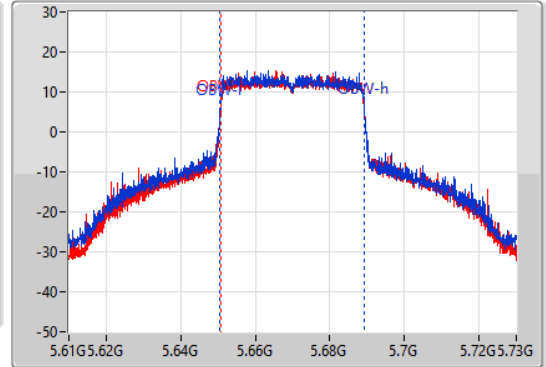
5670MHz

04/04/2022

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
70.56M	5.63094G	5.7015G	38.741M	5.65051G	5.68925G	Inf	1
60.9M	5.63994G	5.70084G	38.621M	5.65069G	5.68931G	Inf	2

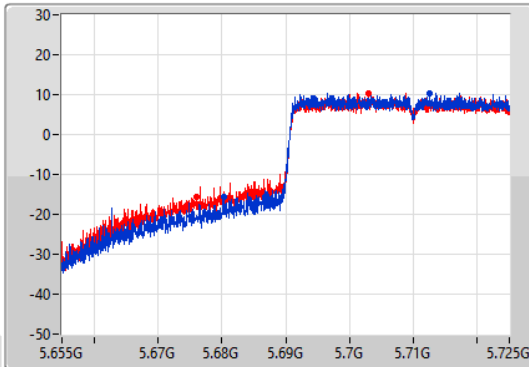
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

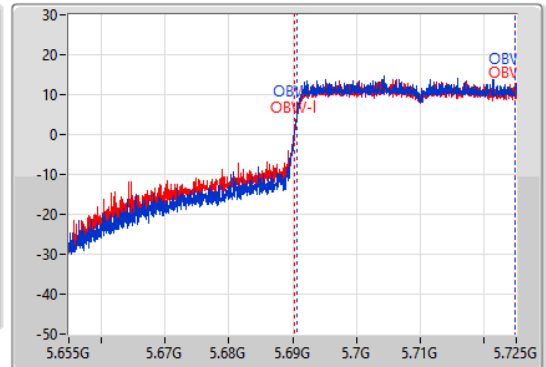
5710MHz Straddle 5.47-5.725GHz

04/04/2022

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



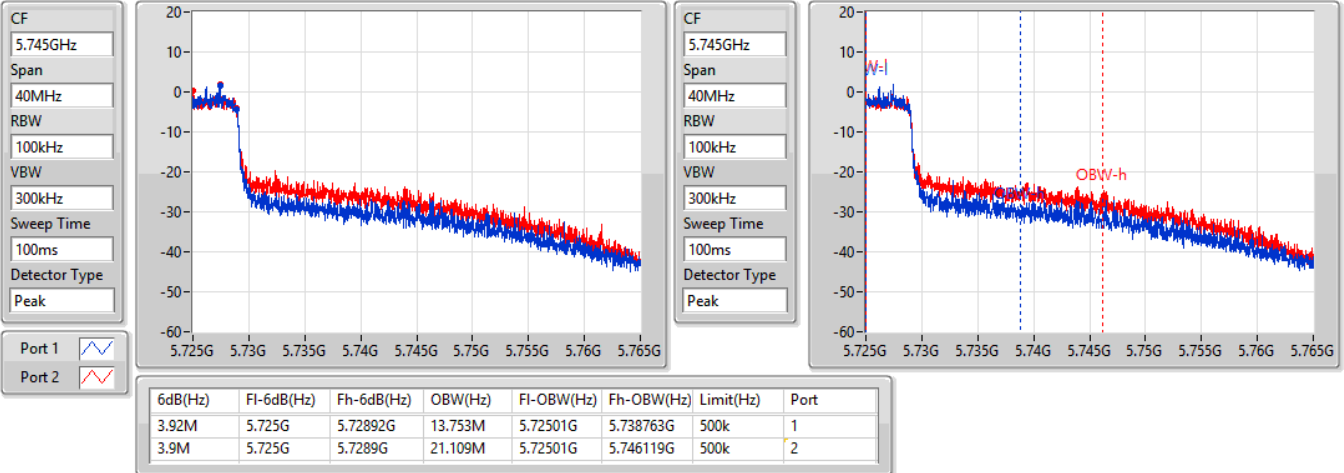
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.555M	5.680445G	5.725G	34.108M	5.690735G	5.724843G	Inf	1
48.895M	5.676105G	5.725G	34.423M	5.690385G	5.724808G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

04/04/2022

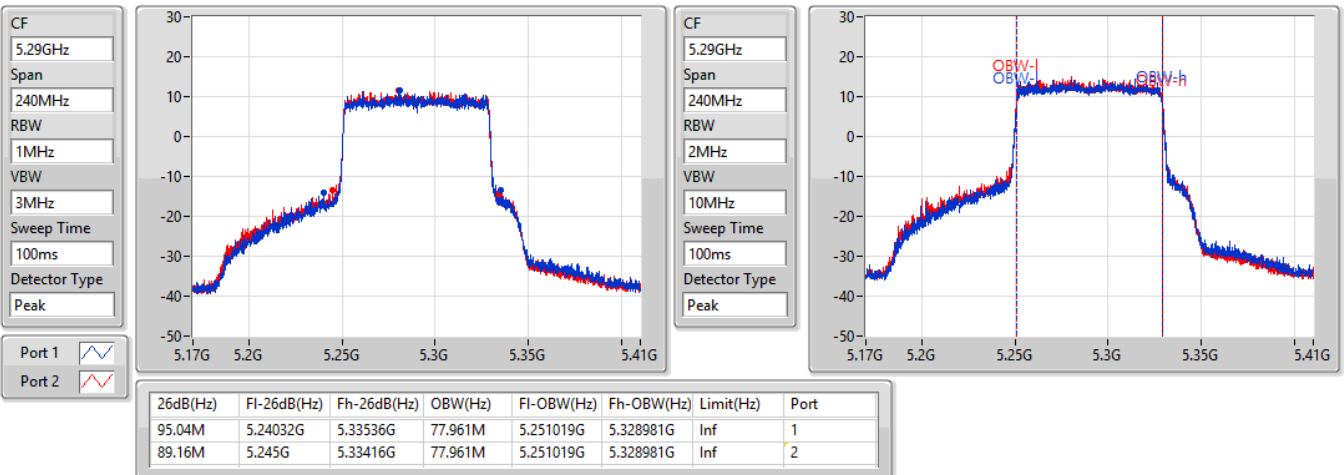


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5290MHz

04/04/2022



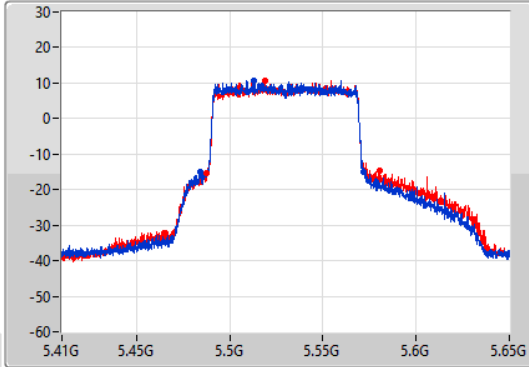
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

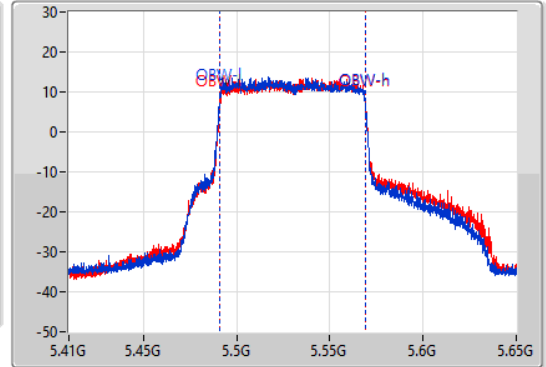
5530MHz

04/04/2022

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
88.08M	5.48392G	5.572G	77.961M	5.4909G	5.568861G	Inf	1
92.88M	5.48788G	5.58076G	78.081M	5.491019G	5.5691G	Inf	2

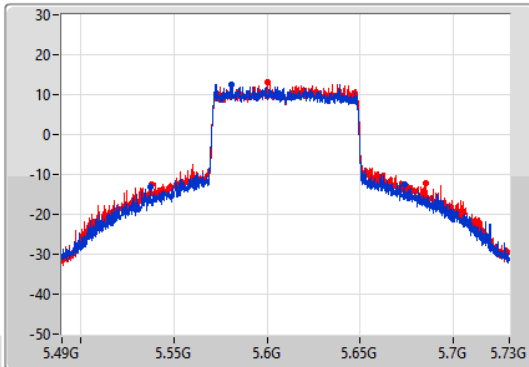
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

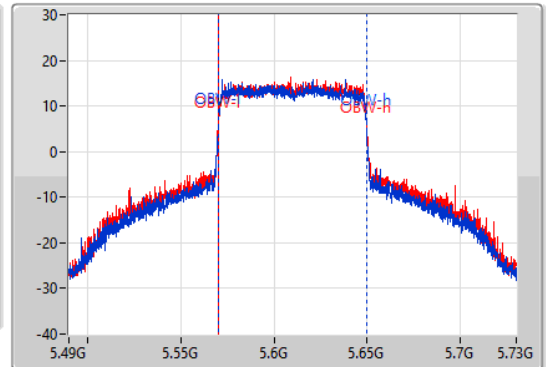
5610MHz

04/04/2022

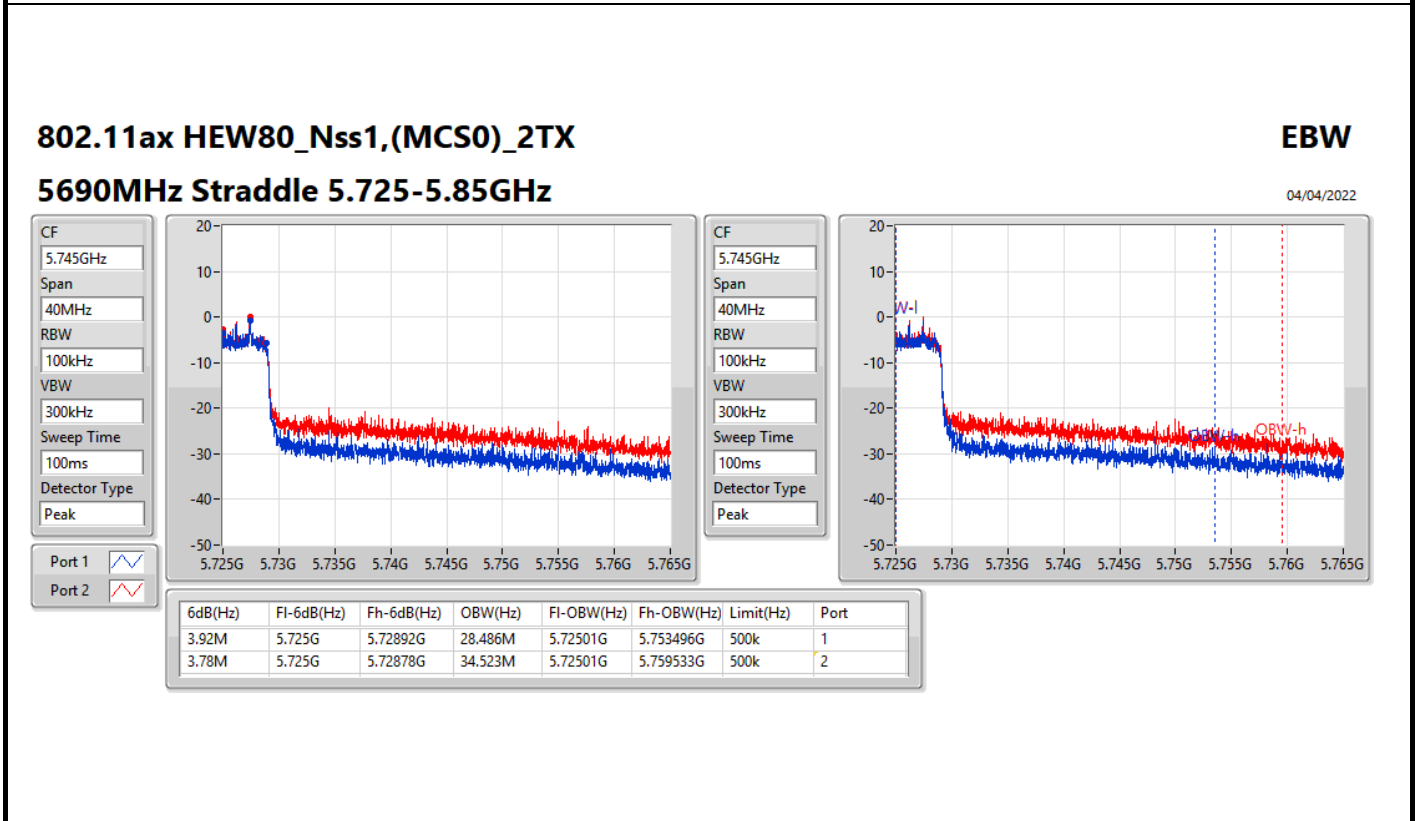
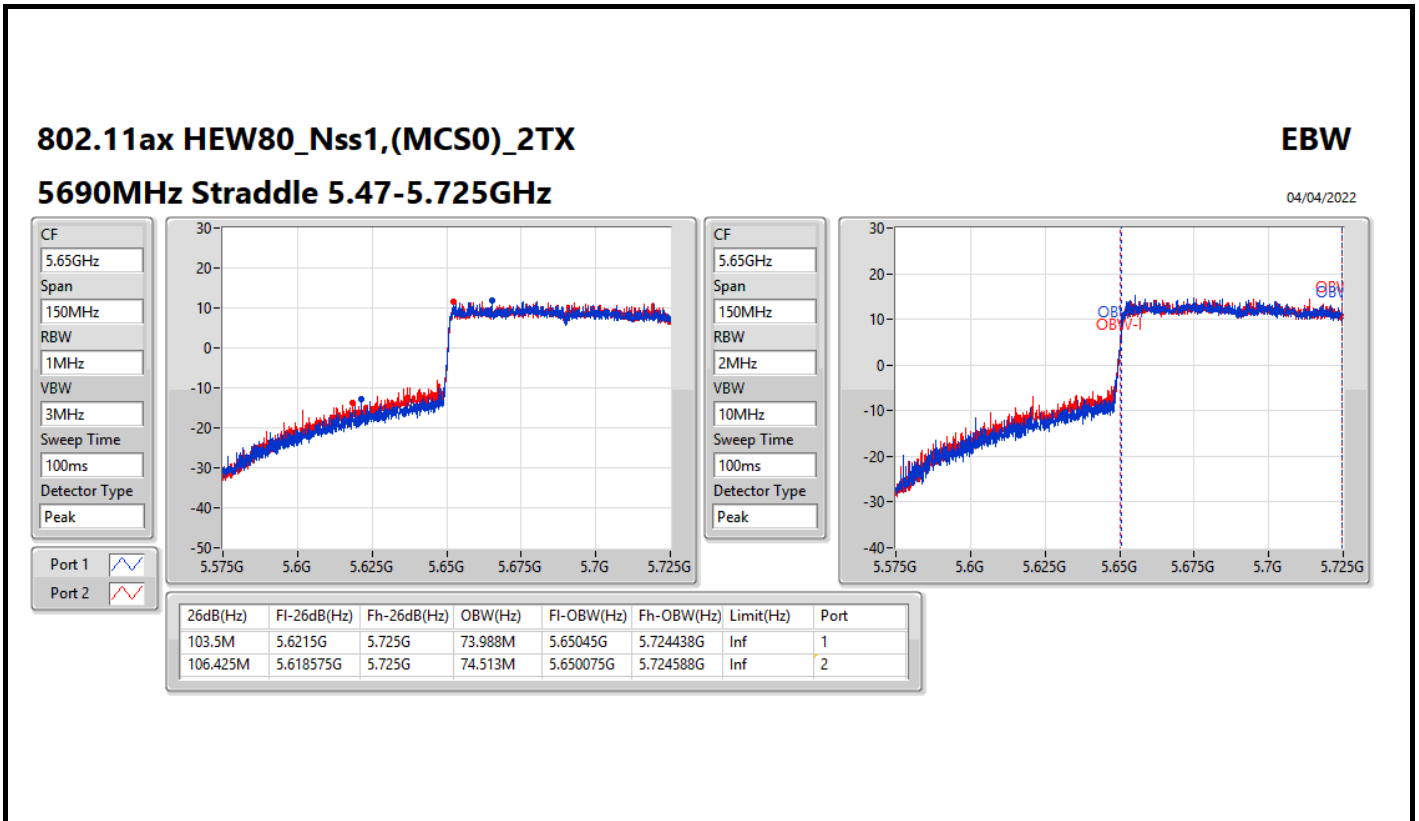
CF
5.61GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



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
136.2M	5.53764G	5.67384G	79.16M	5.5703G	5.64946G	Inf	1
147M	5.53812G	5.68512G	79.76M	5.57018G	5.64994G	Inf	2



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	46.71M	31.484M	31M5D1D	35.94M	18.891M
802.11ax HEW20_Nss1,(MCS0)_1TX	49.86M	30.195M	30M2D1D	39M	19.52M
802.11ax HEW40_Nss1,(MCS0)_1TX	78.96M	40M	40MOD1D	47.52M	38.261M
802.11ax HEW80_Nss1,(MCS0)_1TX	91.56M	78.081M	78M1D1D	91.56M	78.081M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	38.28M	19.76M	19M8D1D	33.36M	18.441M
802.11ax HEW20_Nss1,(MCS0)_1TX	42.3M	19.82M	19M8D1D	34.11M	19.46M
802.11ax HEW40_Nss1,(MCS0)_1TX	80.4M	39.52M	39M5D1D	50.04M	38.201M
802.11ax HEW80_Nss1,(MCS0)_1TX	89.16M	77.961M	78M0D1D	89.16M	77.961M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	38.94M	19.82M	19M8D1D	22.59M	14.783M
802.11ax HEW20_Nss1,(MCS0)_1TX	43.65M	19.88M	19M9D1D	21.72M	14.888M
802.11ax HEW40_Nss1,(MCS0)_1TX	75M	39.22M	39M2D1D	51.135M	34.703M
802.11ax HEW80_Nss1,(MCS0)_1TX	146.52M	79.28M	79M3D1D	104.64M	74.363M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.35M	44.588M	44M6D1D	3.12M	9.775M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.75M	46.237M	46M2D1D	4.44M	10.055M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.74M	80.6M	80M6D1D	3.96M	23.048M
802.11ax HEW80_Nss1,(MCS0)_1TX	76.92M	96.552M	96M6D1D	3.92M	33.623M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	35.94M	18.891M
5200MHz	Pass	Inf	46.71M	31.484M
5240MHz	Pass	Inf	39.12M	19.37M
5260MHz	Pass	Inf	37.98M	19.55M
5300MHz	Pass	Inf	38.28M	19.76M
5320MHz	Pass	Inf	33.36M	18.441M
5500MHz	Pass	Inf	38.01M	19.82M
5580MHz	Pass	Inf	38.94M	19.43M
5700MHz	Pass	Inf	22.59M	17.241M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	23.475M	14.783M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	9.775M
5745MHz	Pass	500k	16.29M	40M
5785MHz	Pass	500k	16.32M	44.588M
5825MHz	Pass	500k	16.35M	44.438M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	39M	19.52M
5200MHz	Pass	Inf	49.86M	30.195M
5240MHz	Pass	Inf	43.53M	19.94M
5260MHz	Pass	Inf	42.3M	19.82M
5300MHz	Pass	Inf	41.73M	19.76M
5320MHz	Pass	Inf	34.11M	19.46M
5500MHz	Pass	Inf	40.05M	19.88M
5580MHz	Pass	Inf	43.65M	19.82M
5700MHz	Pass	Inf	21.72M	19.13M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	25.44M	14.888M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	10.055M
5745MHz	Pass	500k	18.39M	40M
5785MHz	Pass	500k	18.75M	46.237M
5825MHz	Pass	500k	18.69M	45.457M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	47.52M	38.261M
5230MHz	Pass	Inf	78.96M	40M
5270MHz	Pass	Inf	80.4M	39.52M
5310MHz	Pass	Inf	50.04M	38.201M
5510MHz	Pass	Inf	62.4M	38.381M
5550MHz	Pass	Inf	75M	39.22M
5670MHz	Pass	Inf	70.74M	38.741M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	51.135M	34.703M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	23.048M
5755MHz	Pass	500k	37.74M	60.81M
5795MHz	Pass	500k	37.62M	80.6M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	91.56M	78.081M
5290MHz	Pass	Inf	89.16M	77.961M
5530MHz	Pass	Inf	104.64M	78.081M
5610MHz	Pass	Inf	146.52M	79.28M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	106.05M	74.363M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.92M	33.623M
5775MHz	Pass	500k	76.92M	96.552M

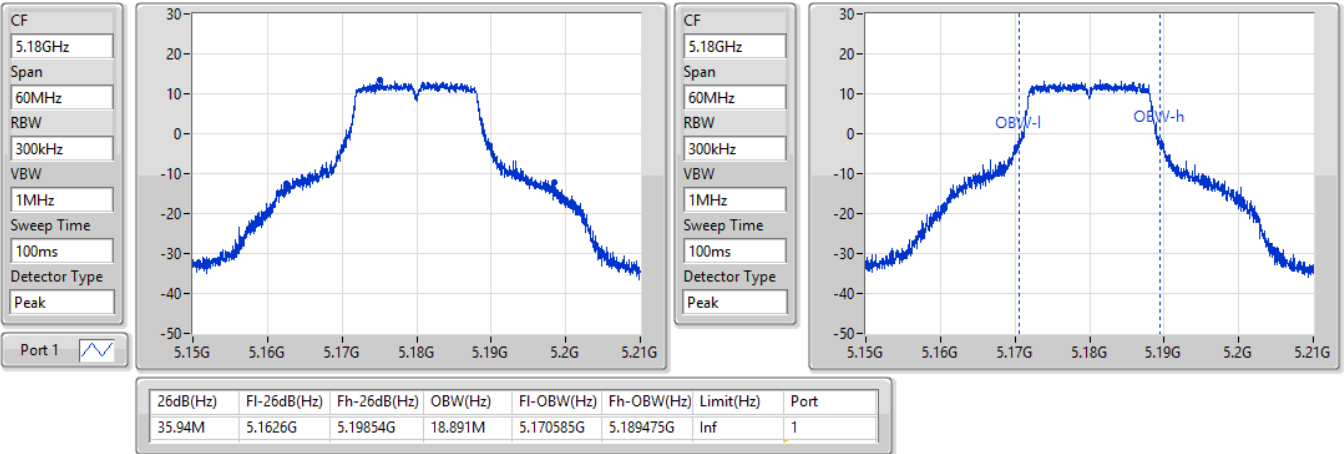
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
 Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_1TX

EBW

5180MHz

05/04/2022

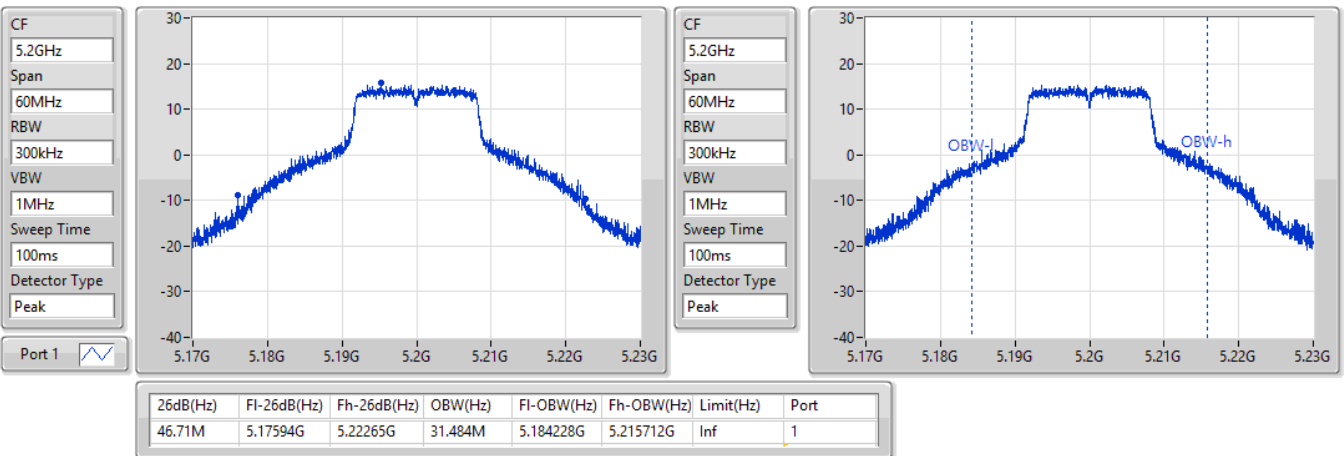


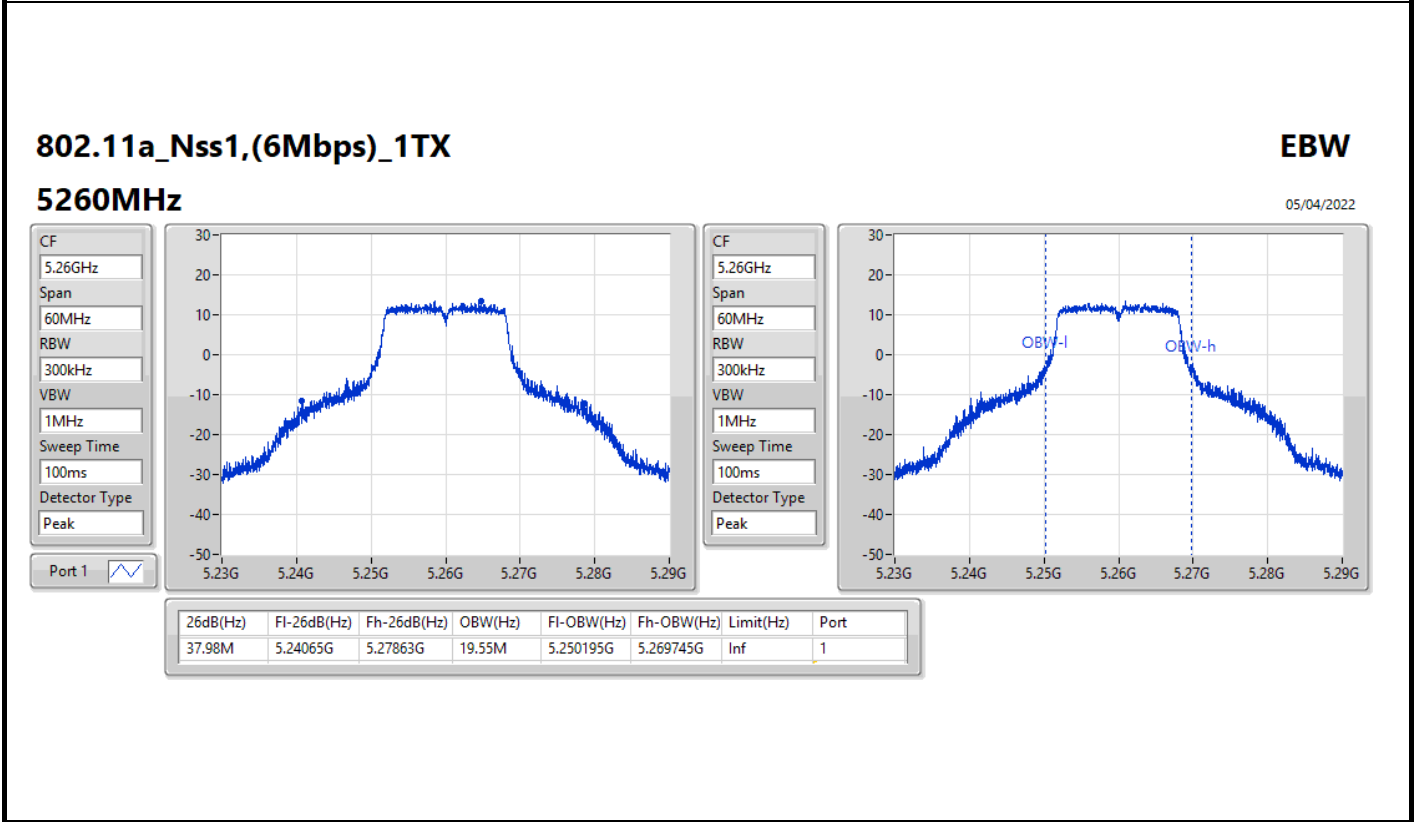
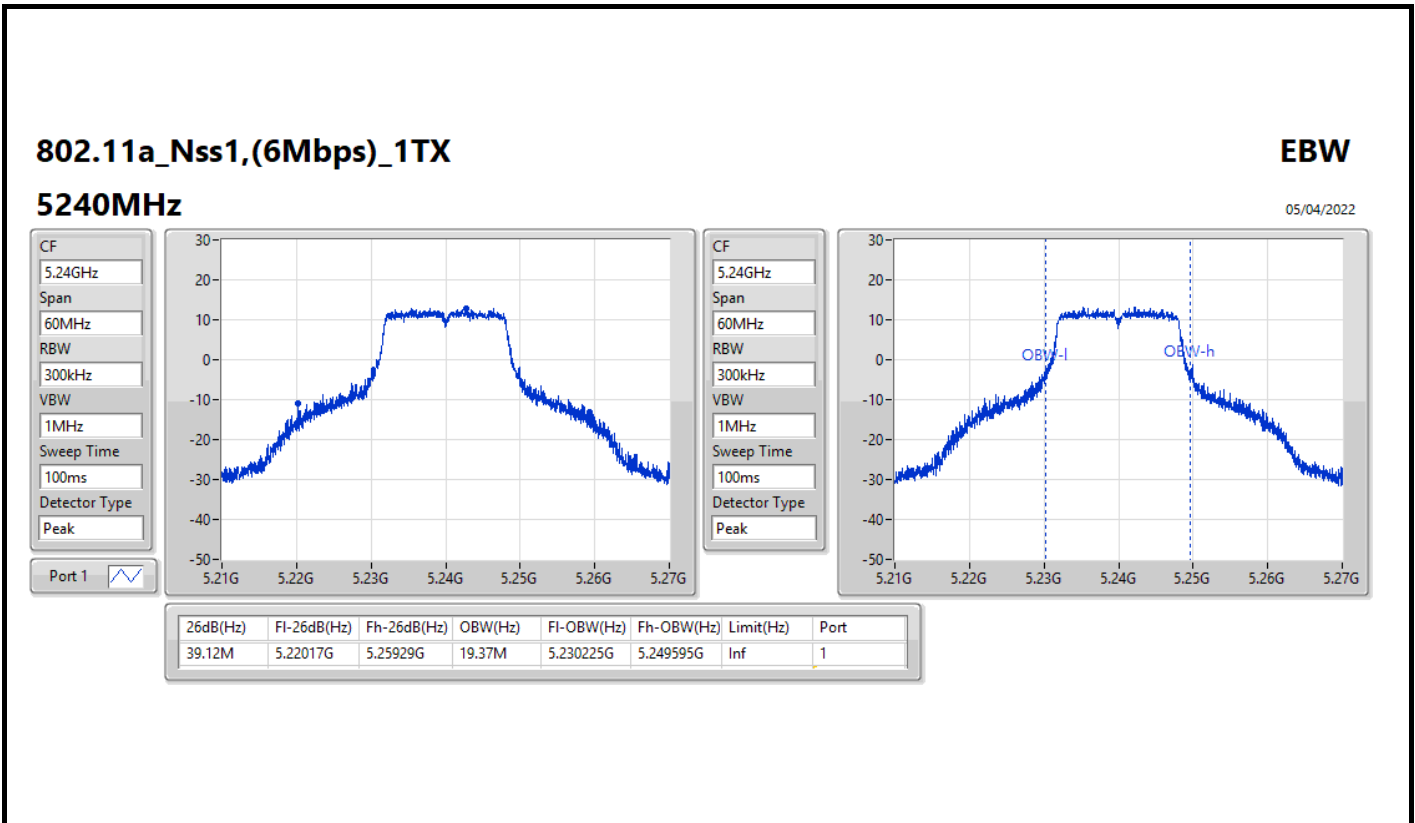
802.11a_Nss1,(6Mbps)_1TX

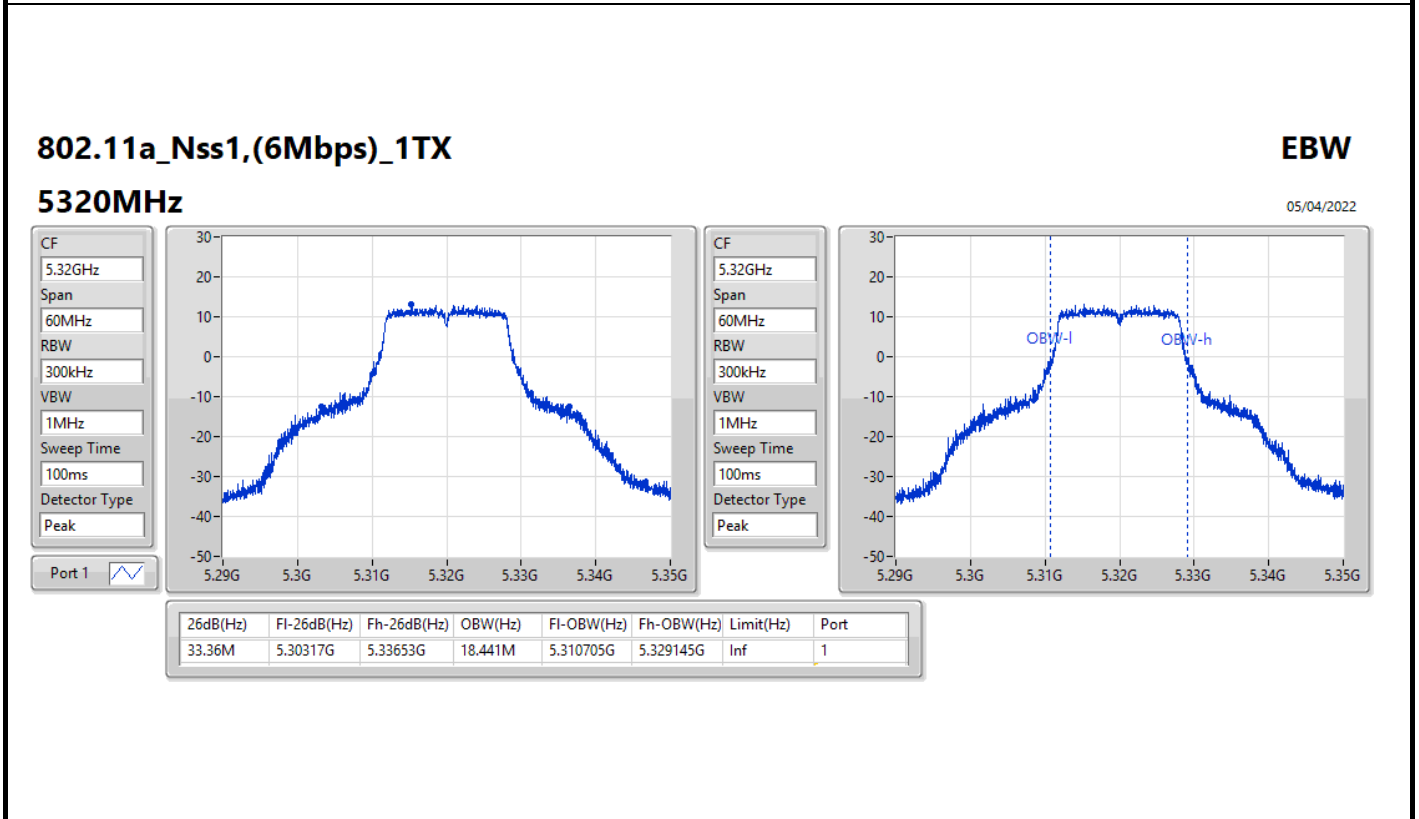
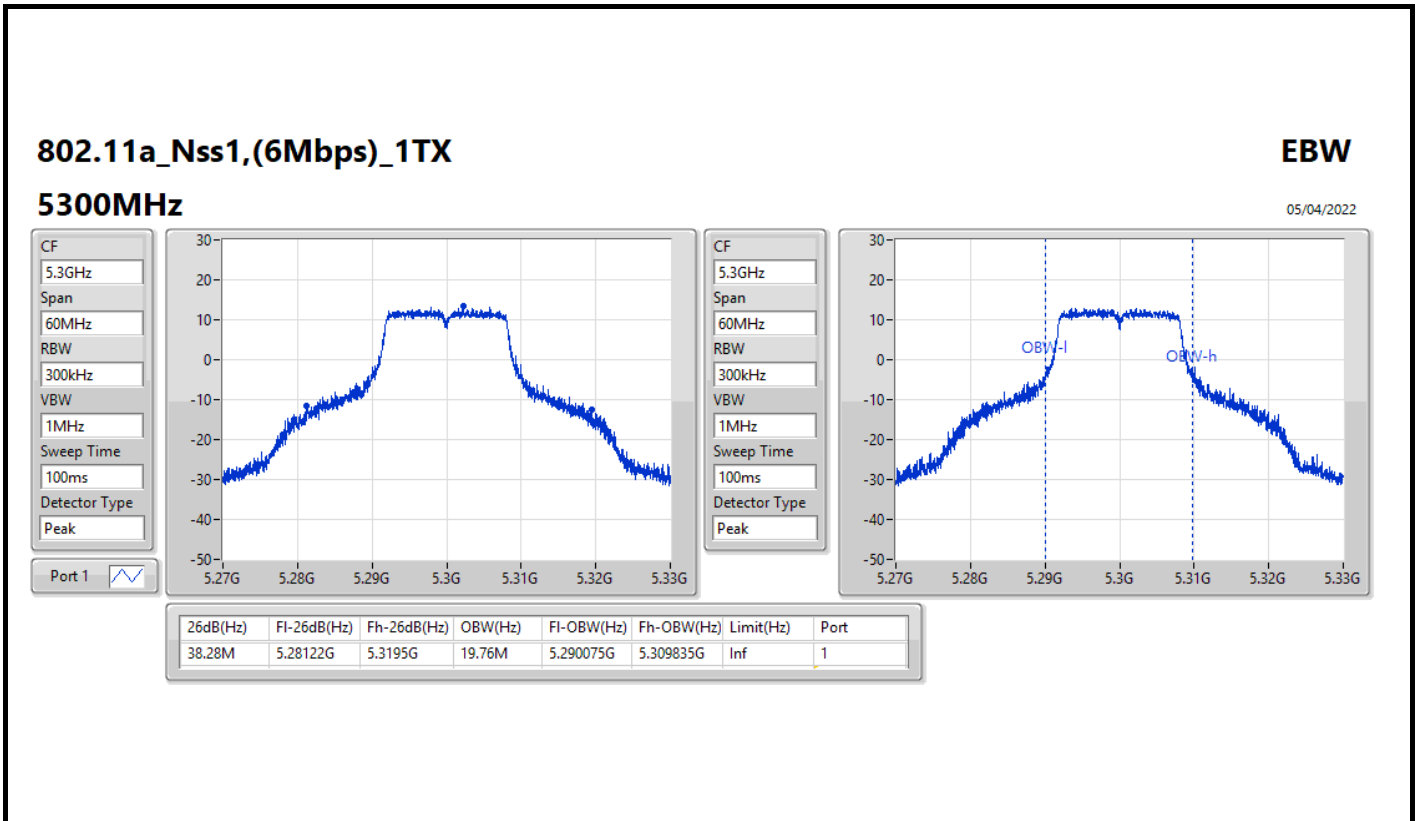
EBW

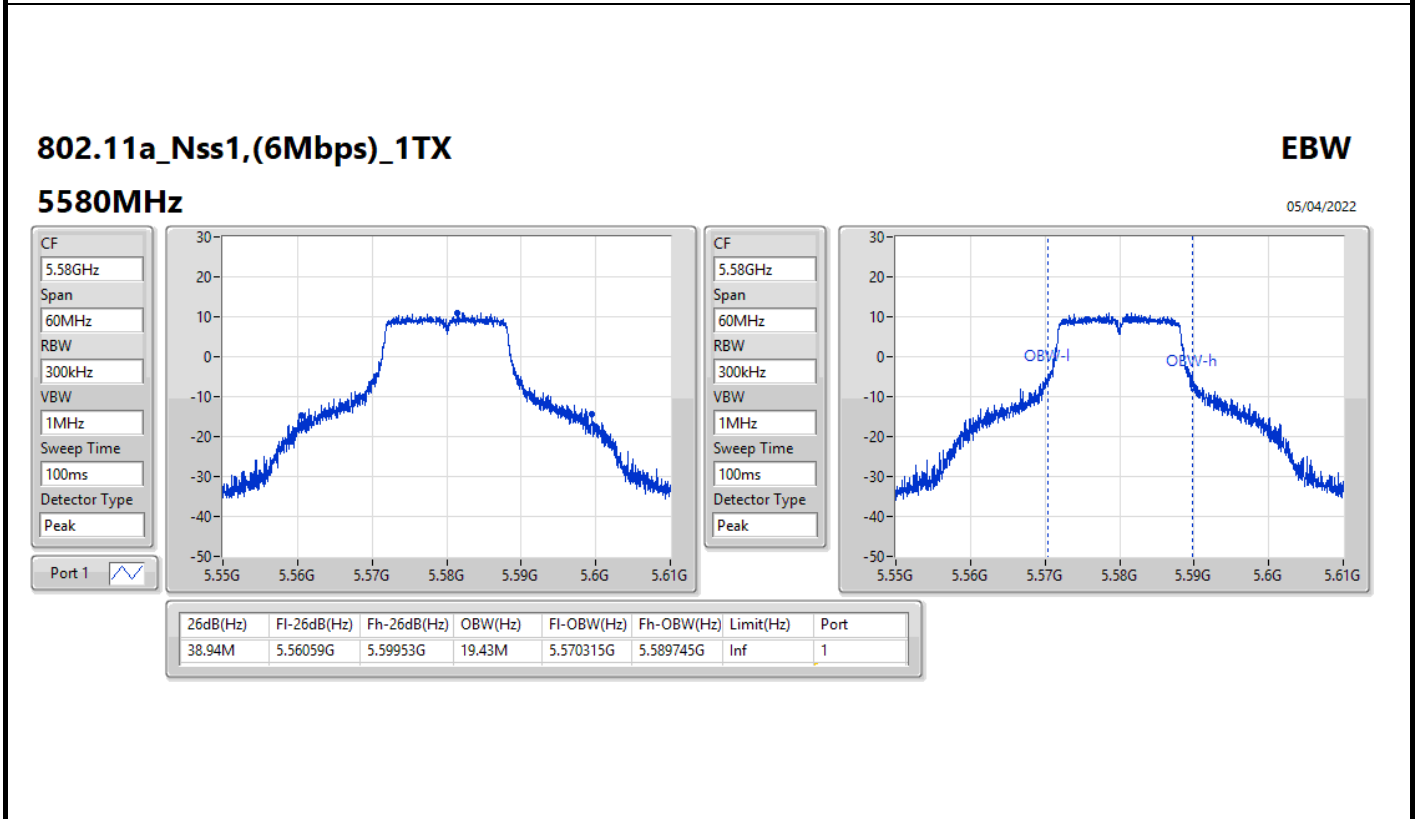
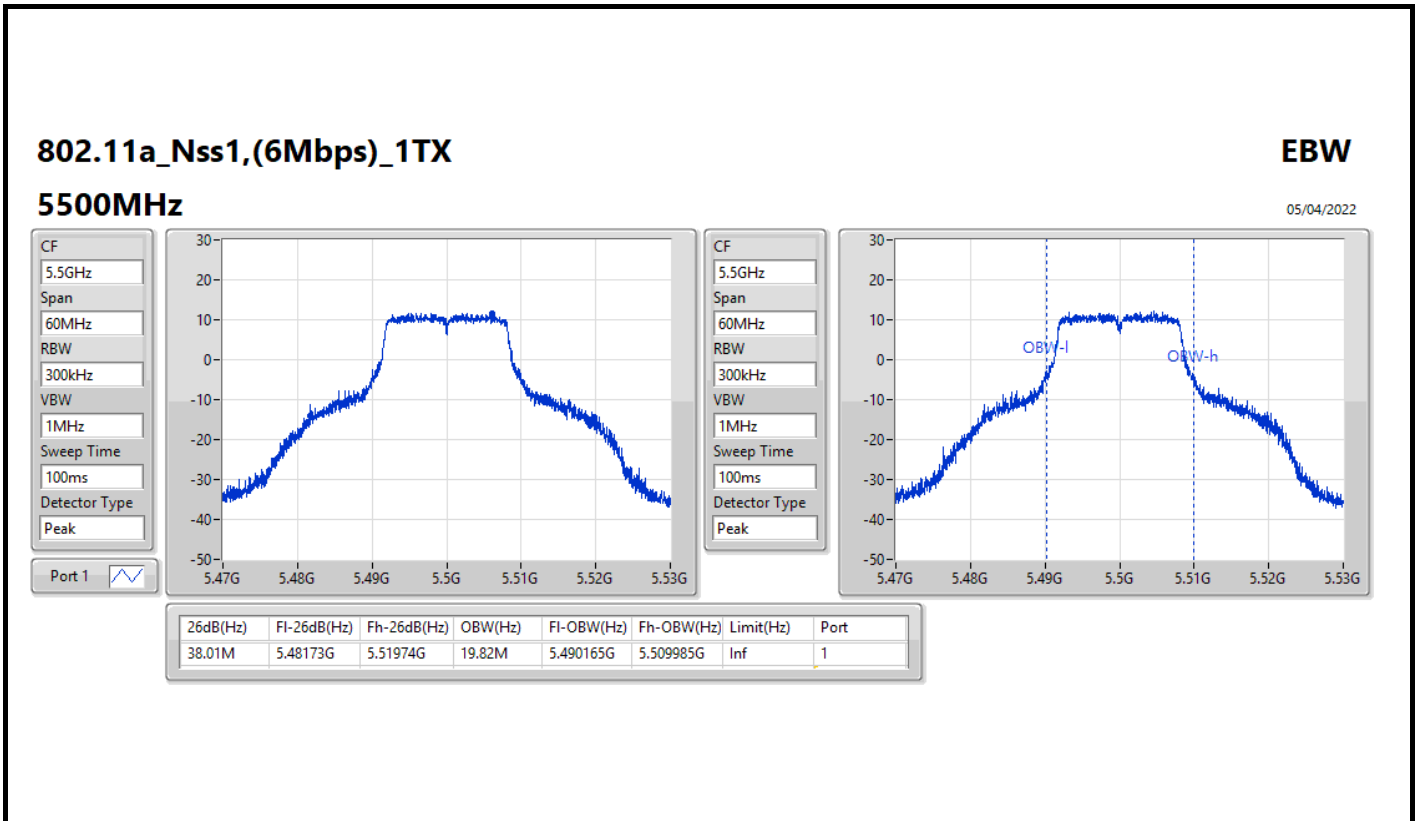
5200MHz

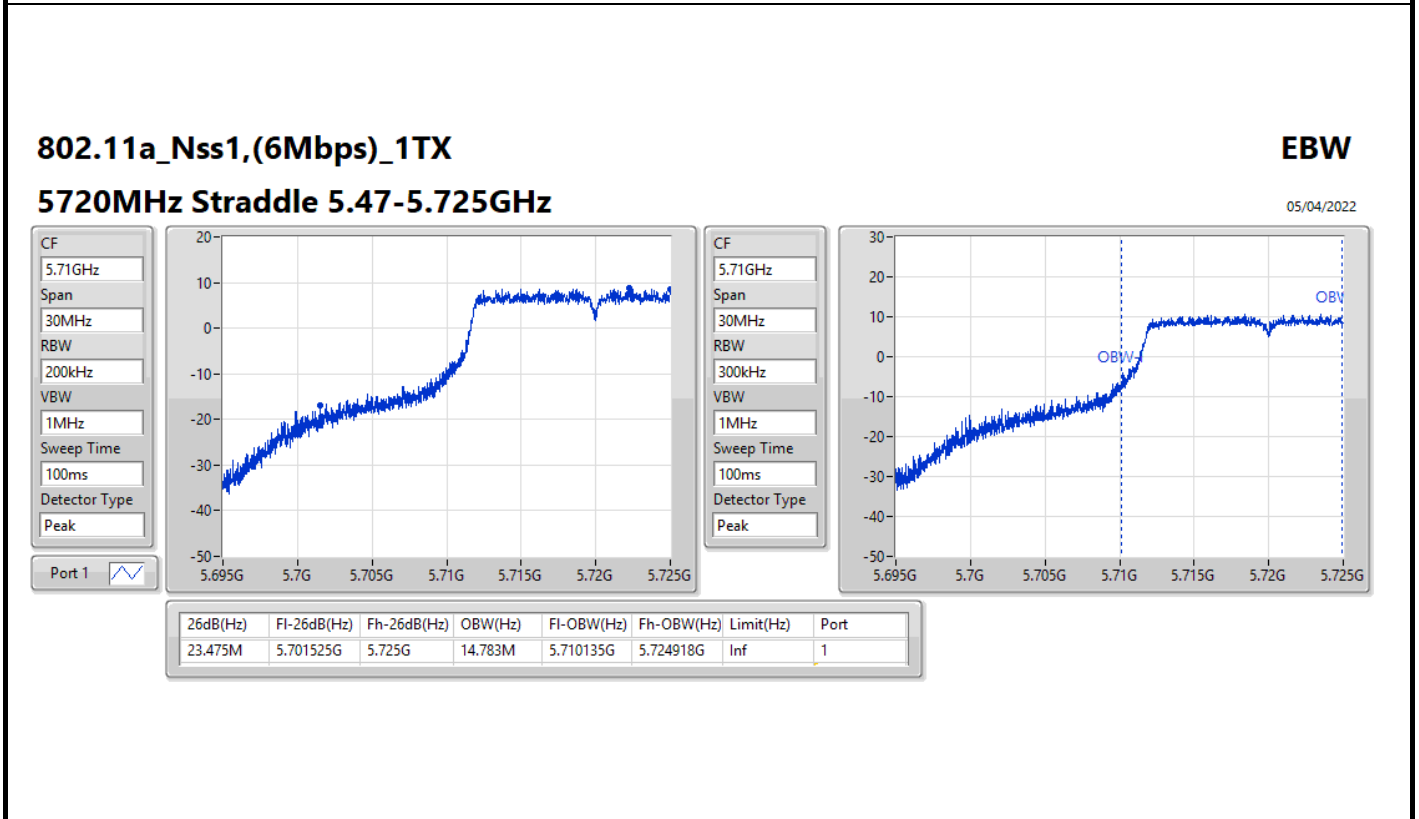
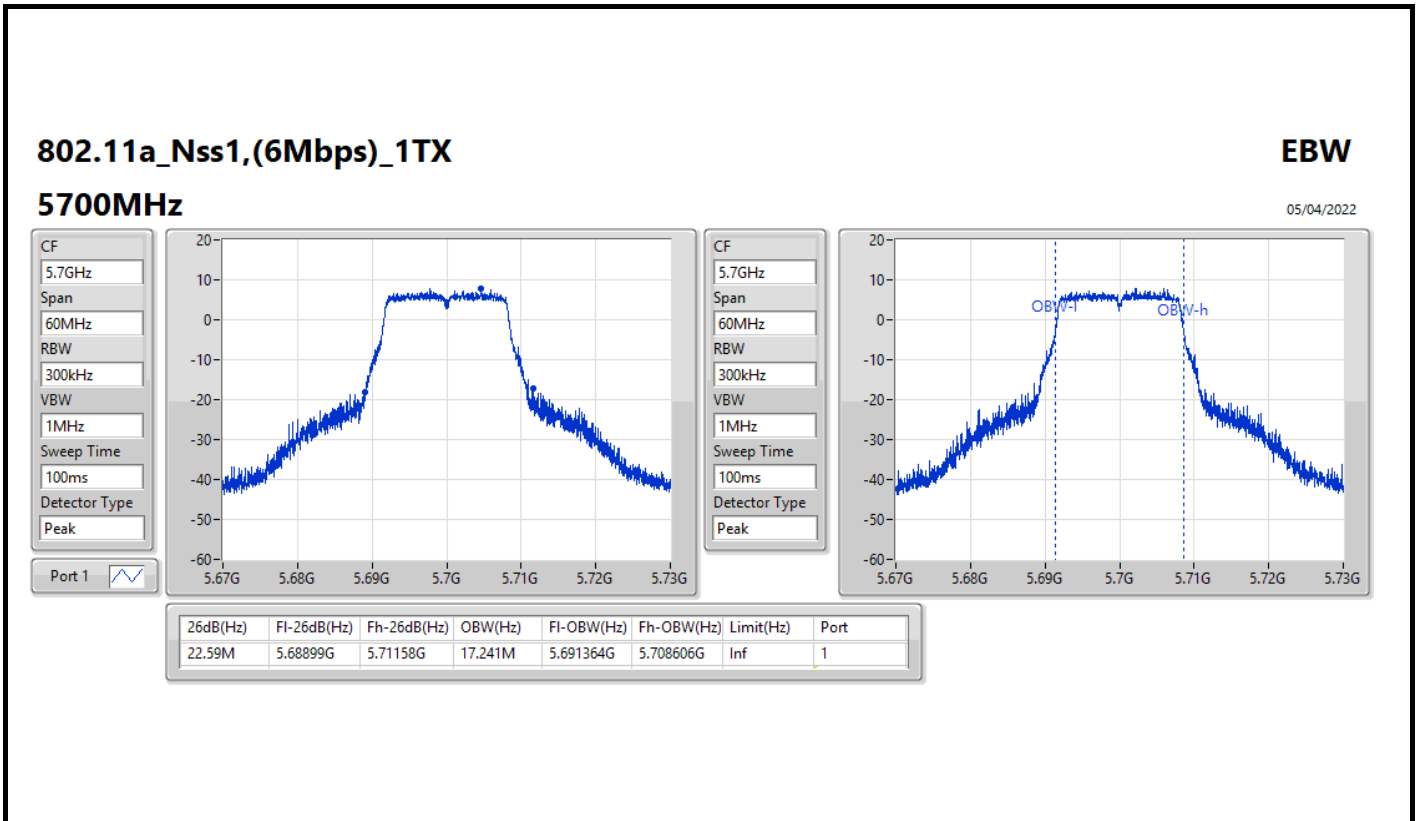
05/04/2022









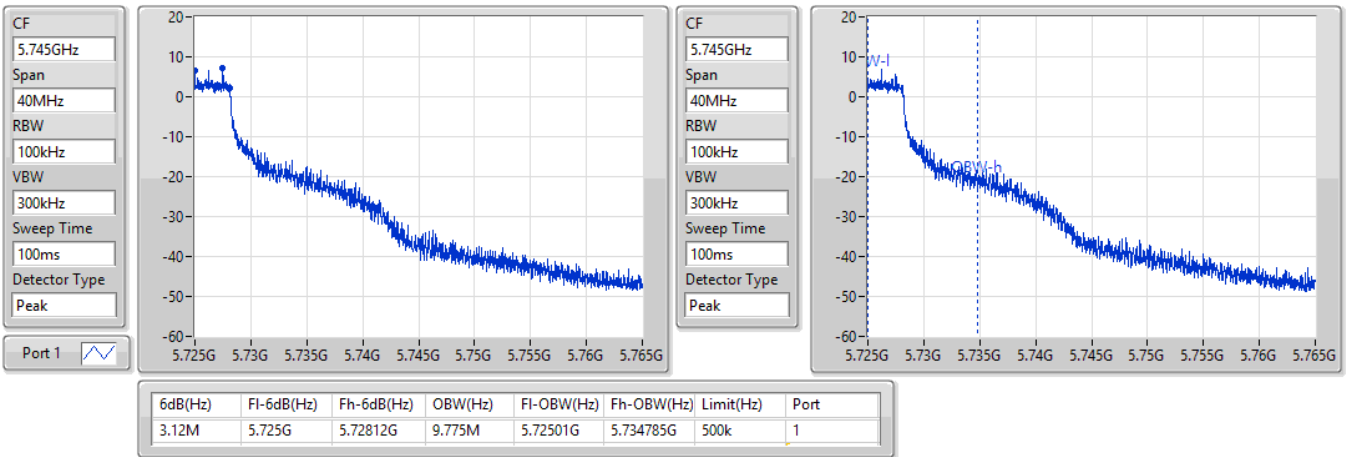


802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/04/2022

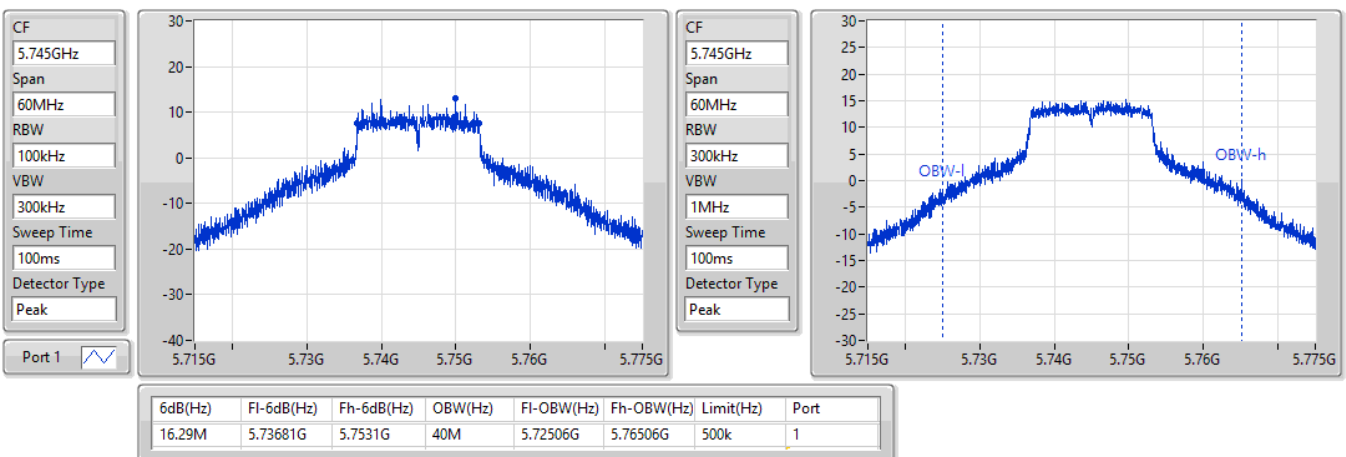


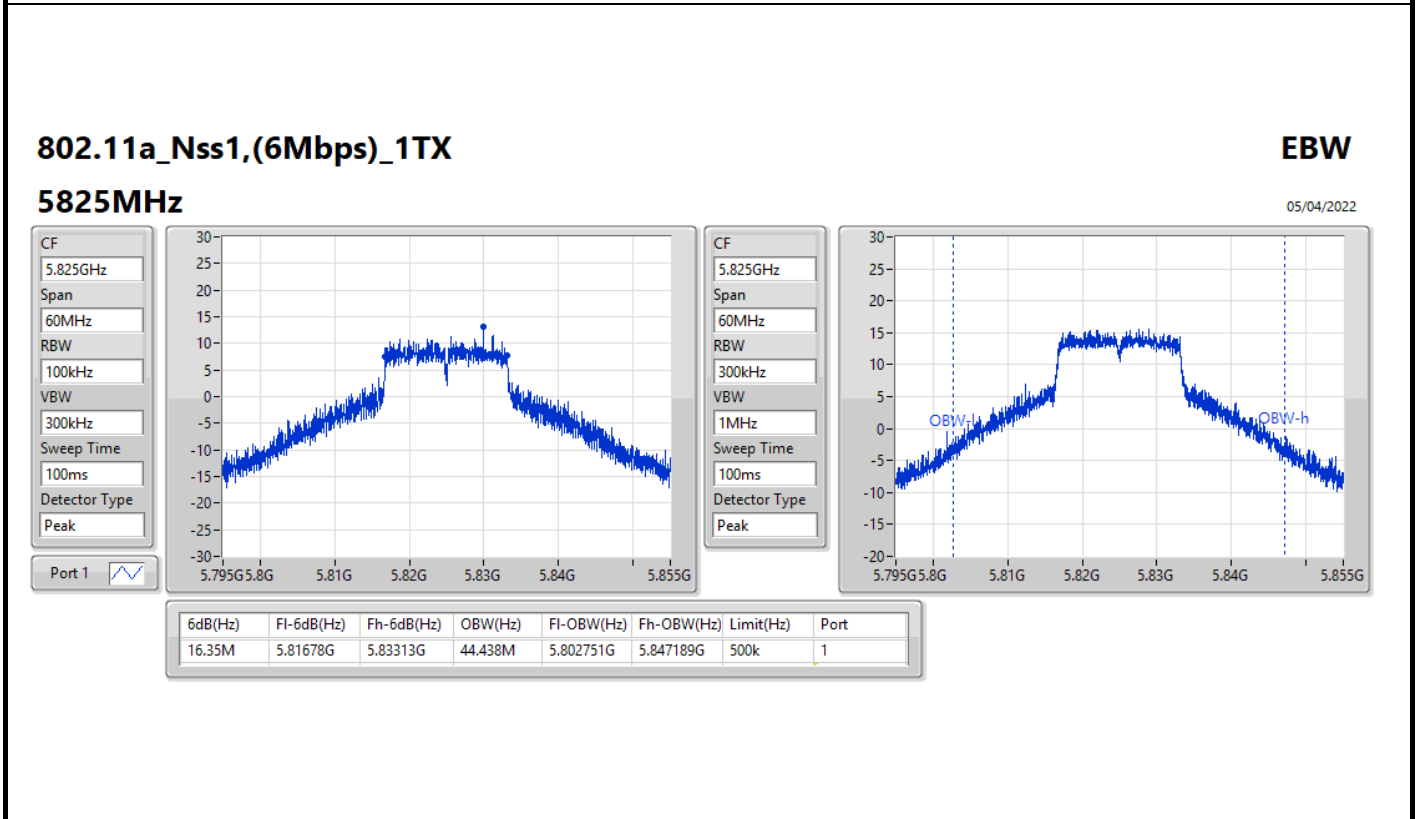
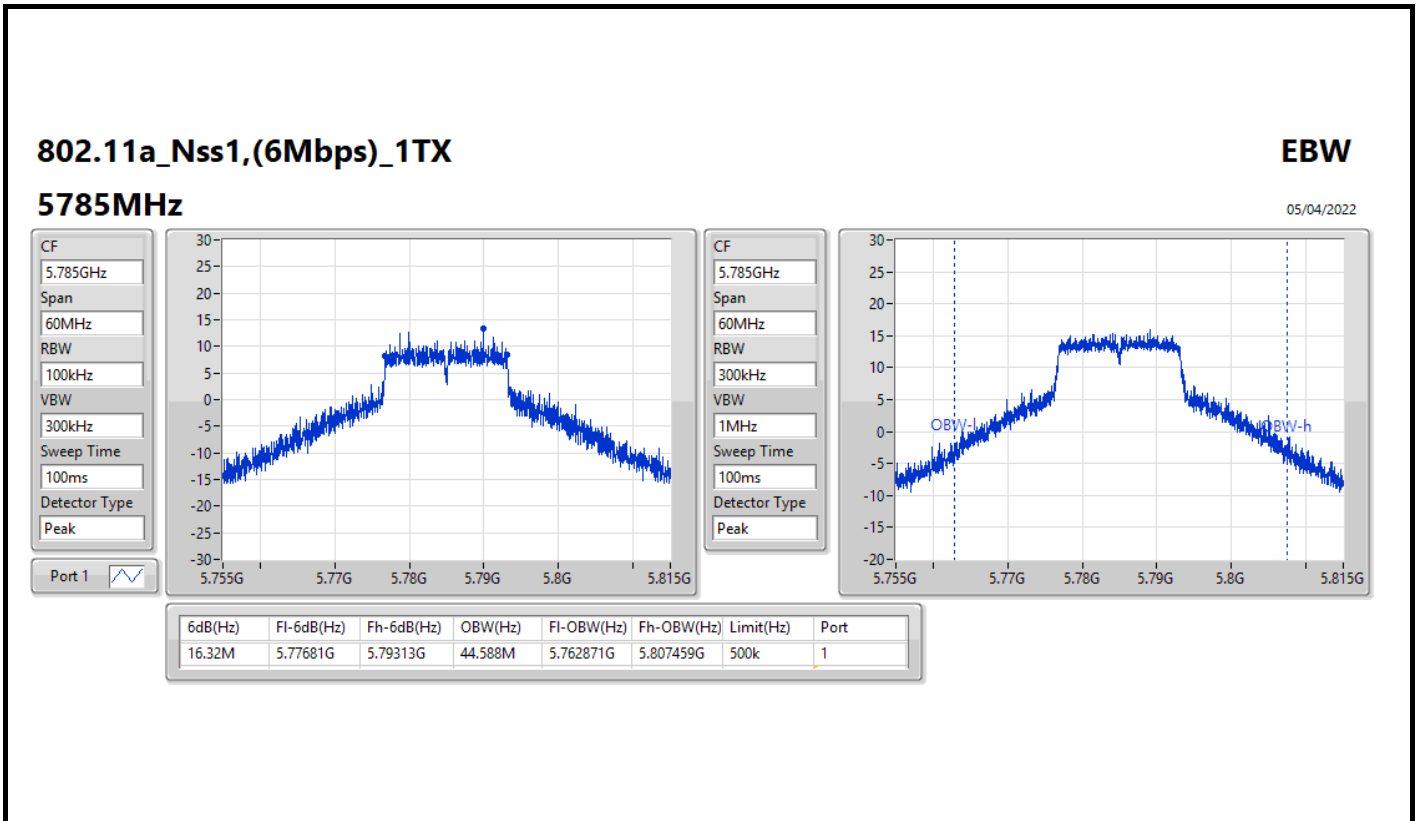
802.11a_Nss1,(6Mbps)_1TX

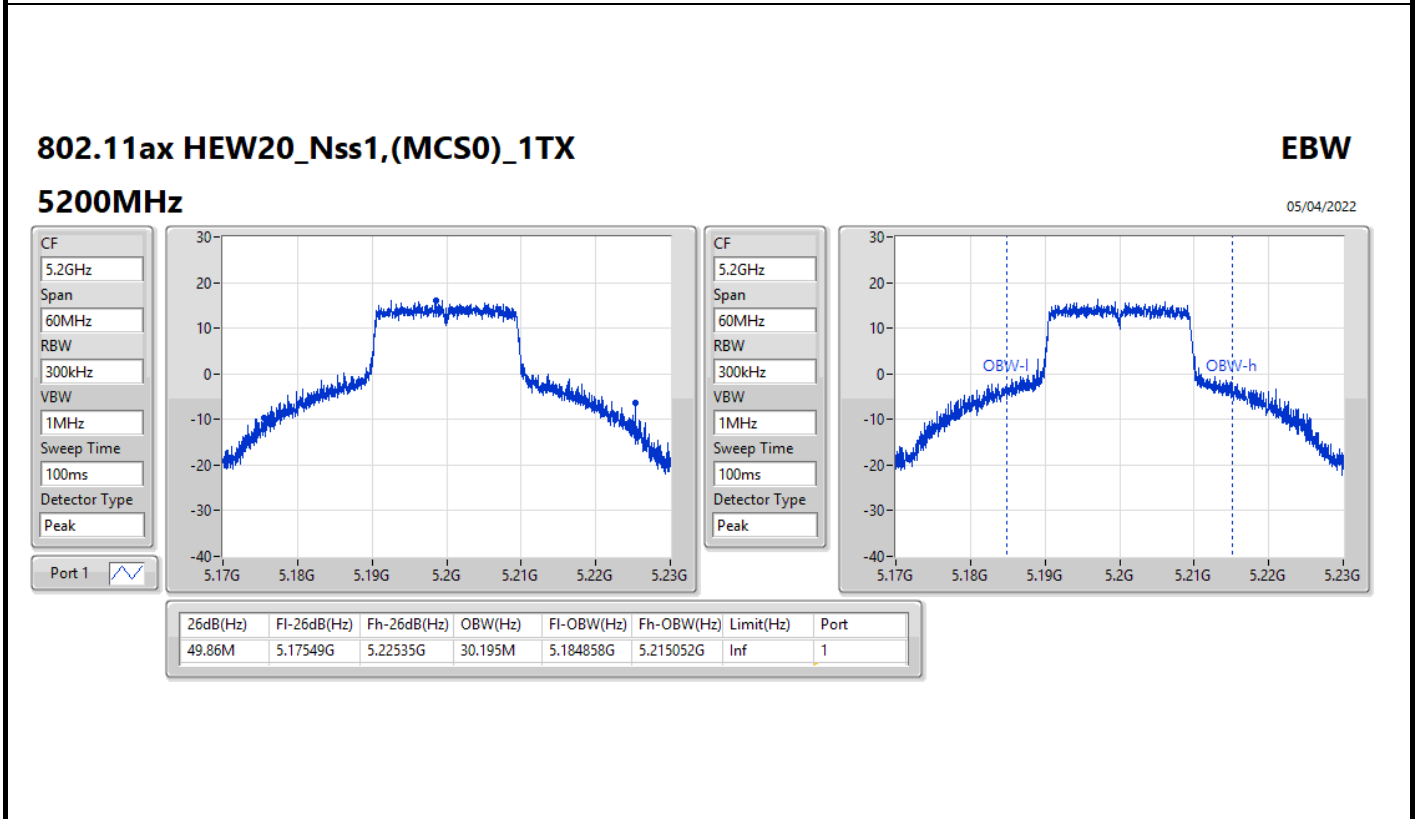
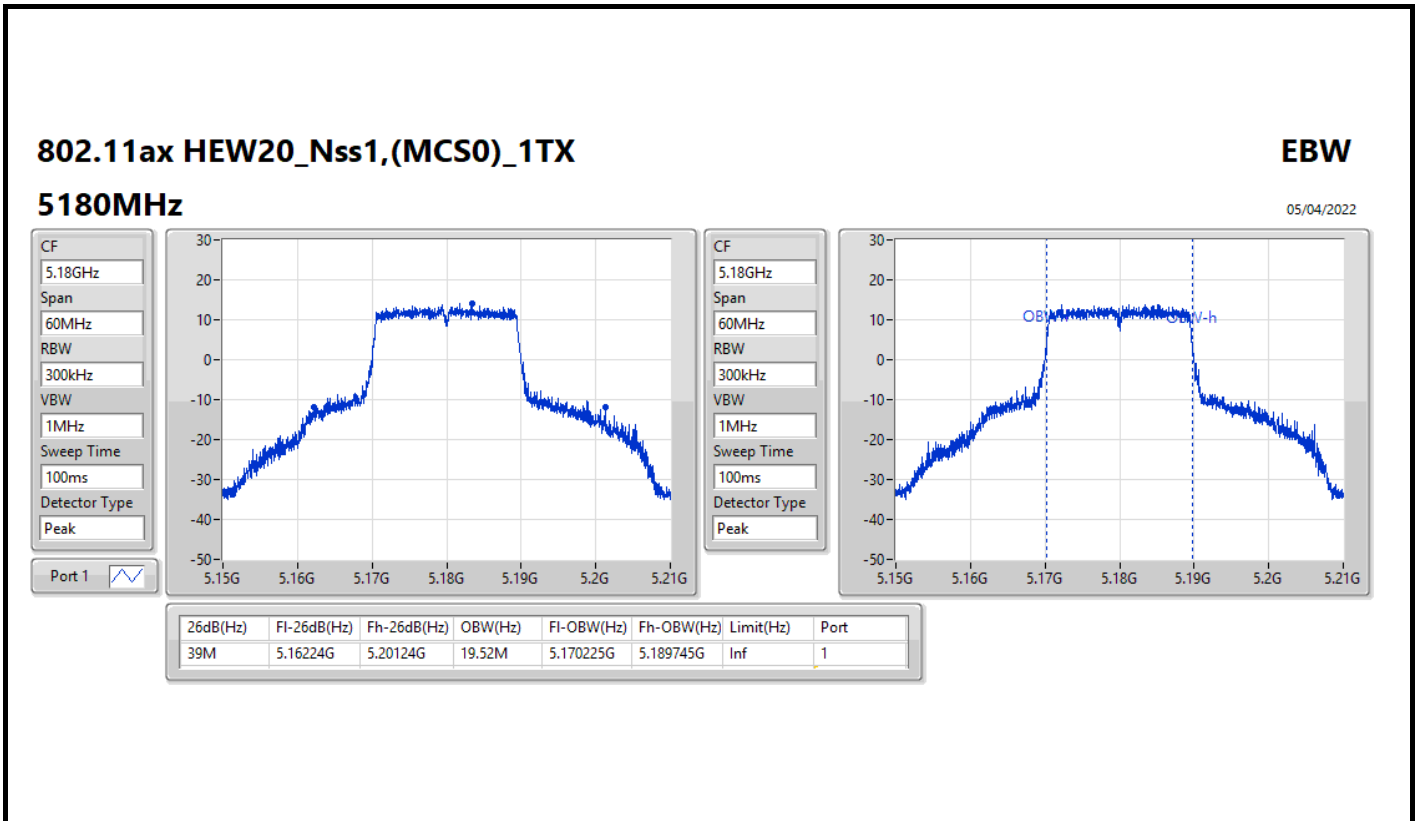
EBW

5745MHz

05/04/2022





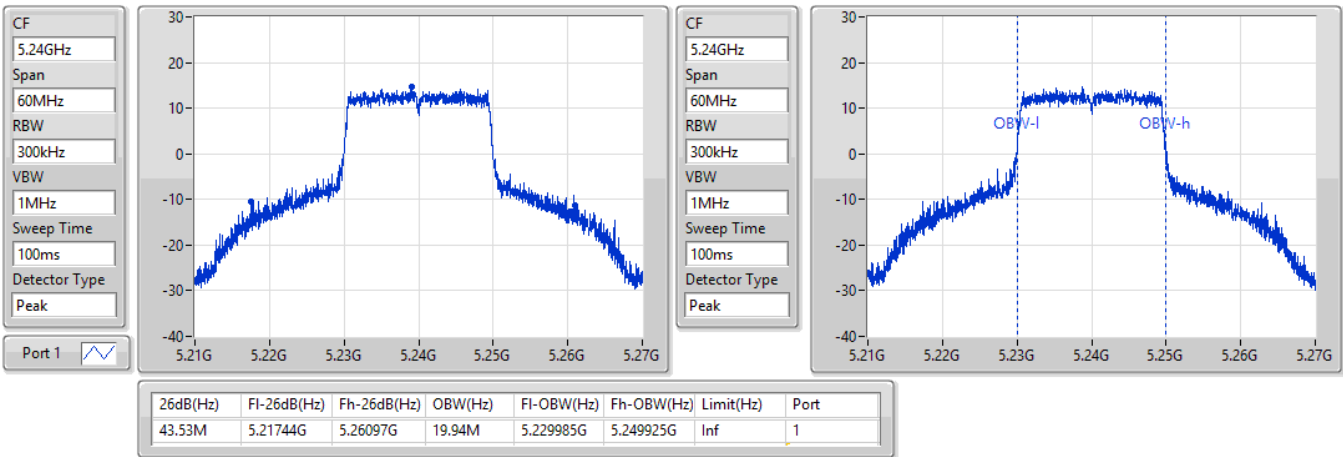


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5240MHz

05/04/2022

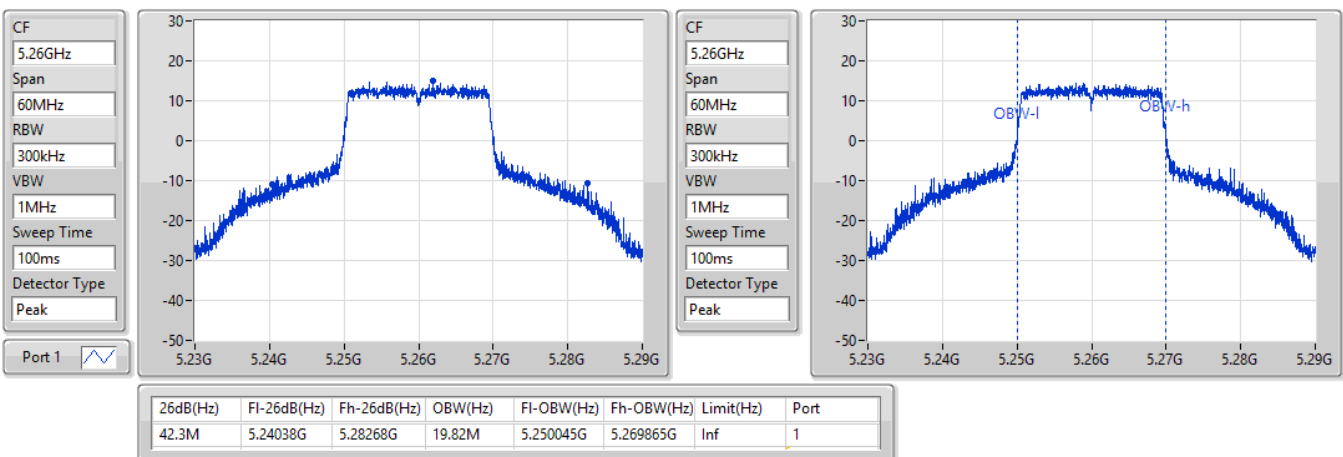


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5260MHz

05/04/2022

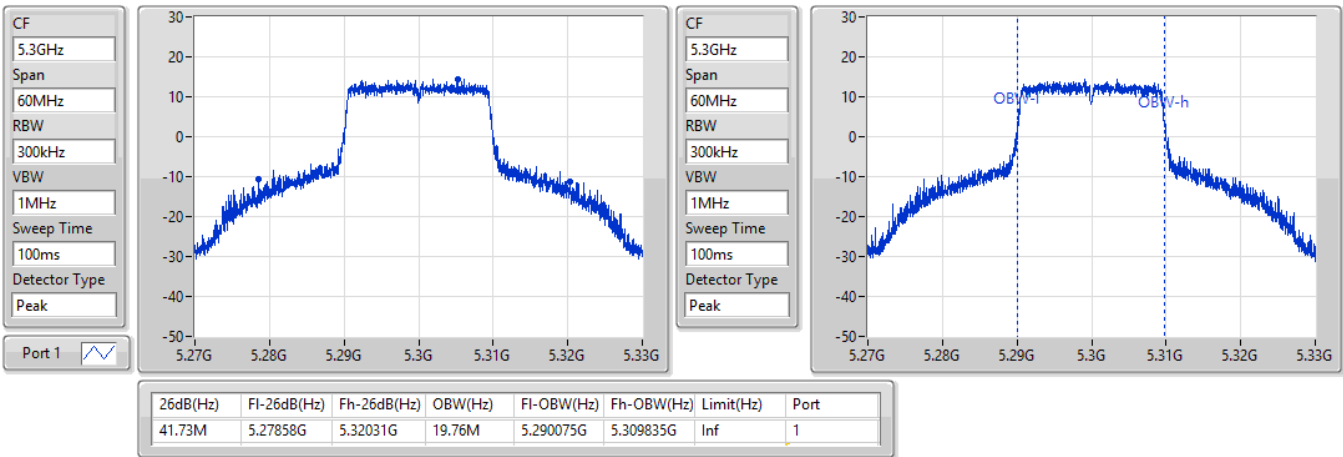


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5300MHz

05/04/2022

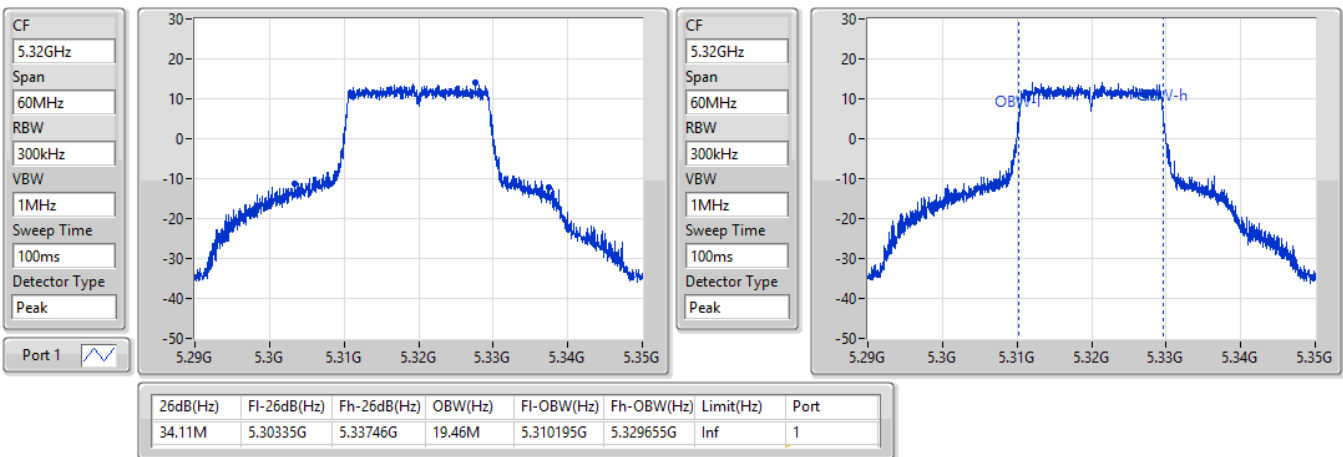


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5320MHz

05/04/2022



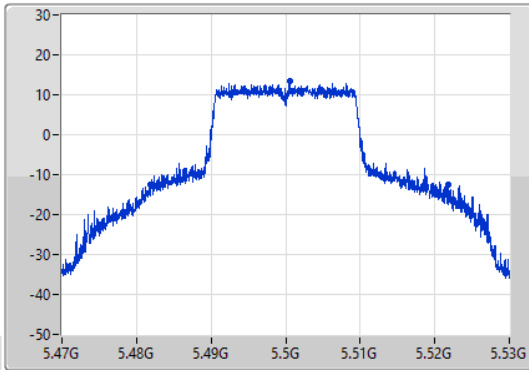
802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

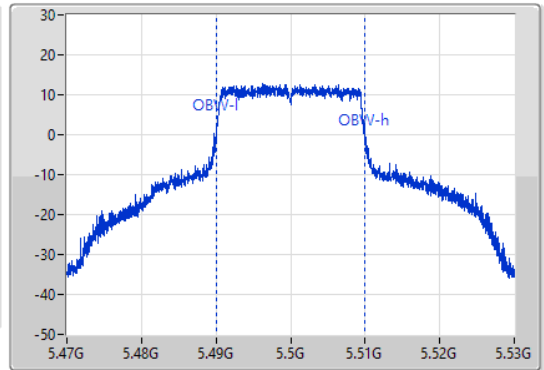
5500MHz

05/04/2022

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



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



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.05M	5.48182G	5.52187G	19.88M	5.490105G	5.509985G	Inf	1

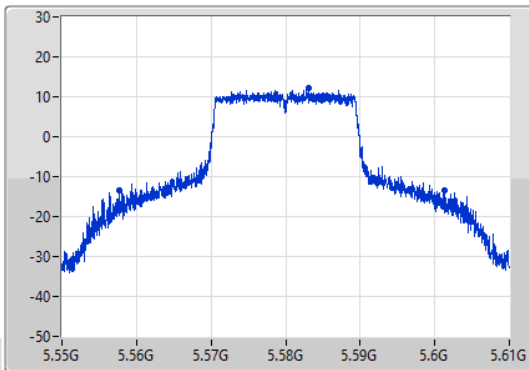
802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

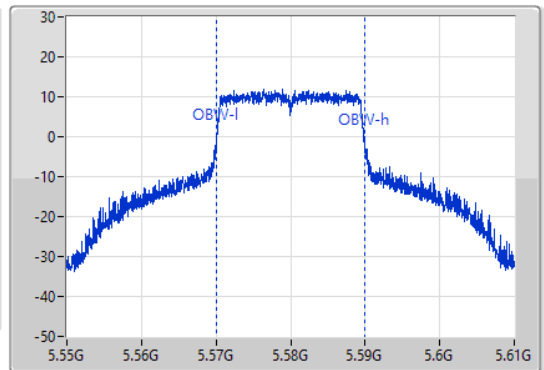
5580MHz

05/04/2022

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



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



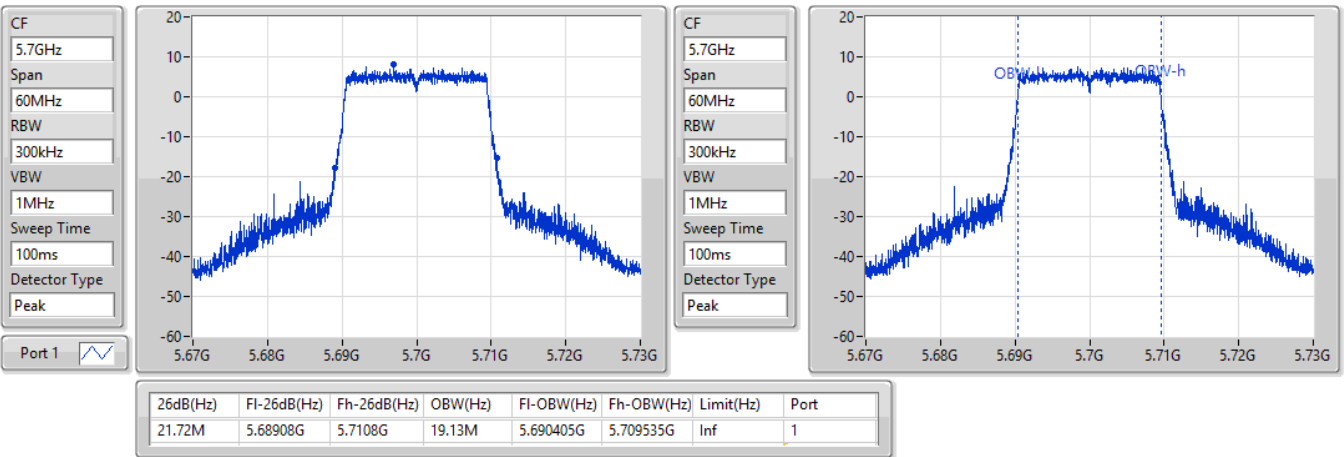
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.65M	5.55762G	5.60127G	19.82M	5.570105G	5.589925G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5700MHz

05/04/2022

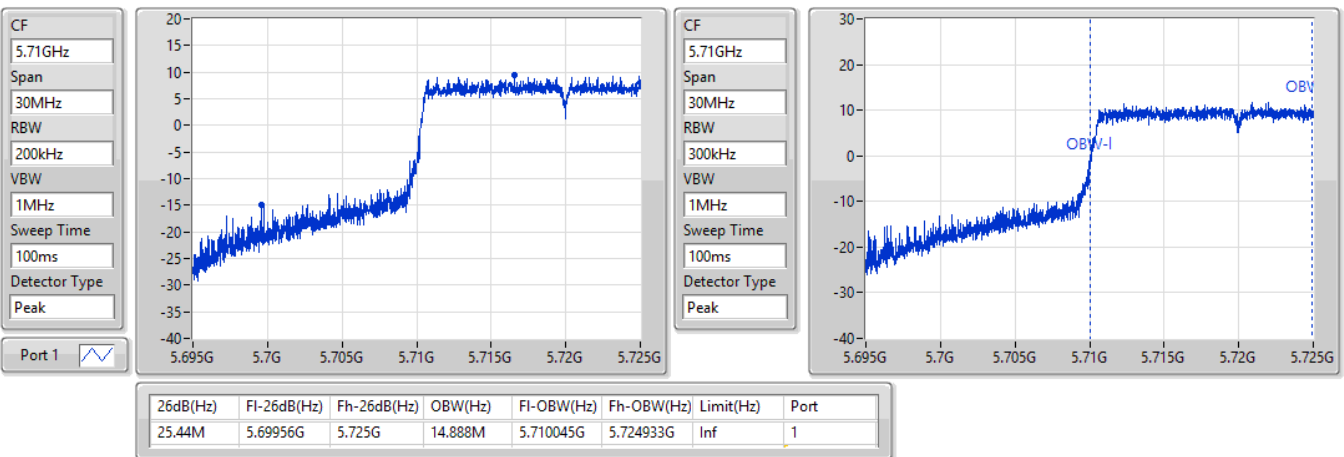


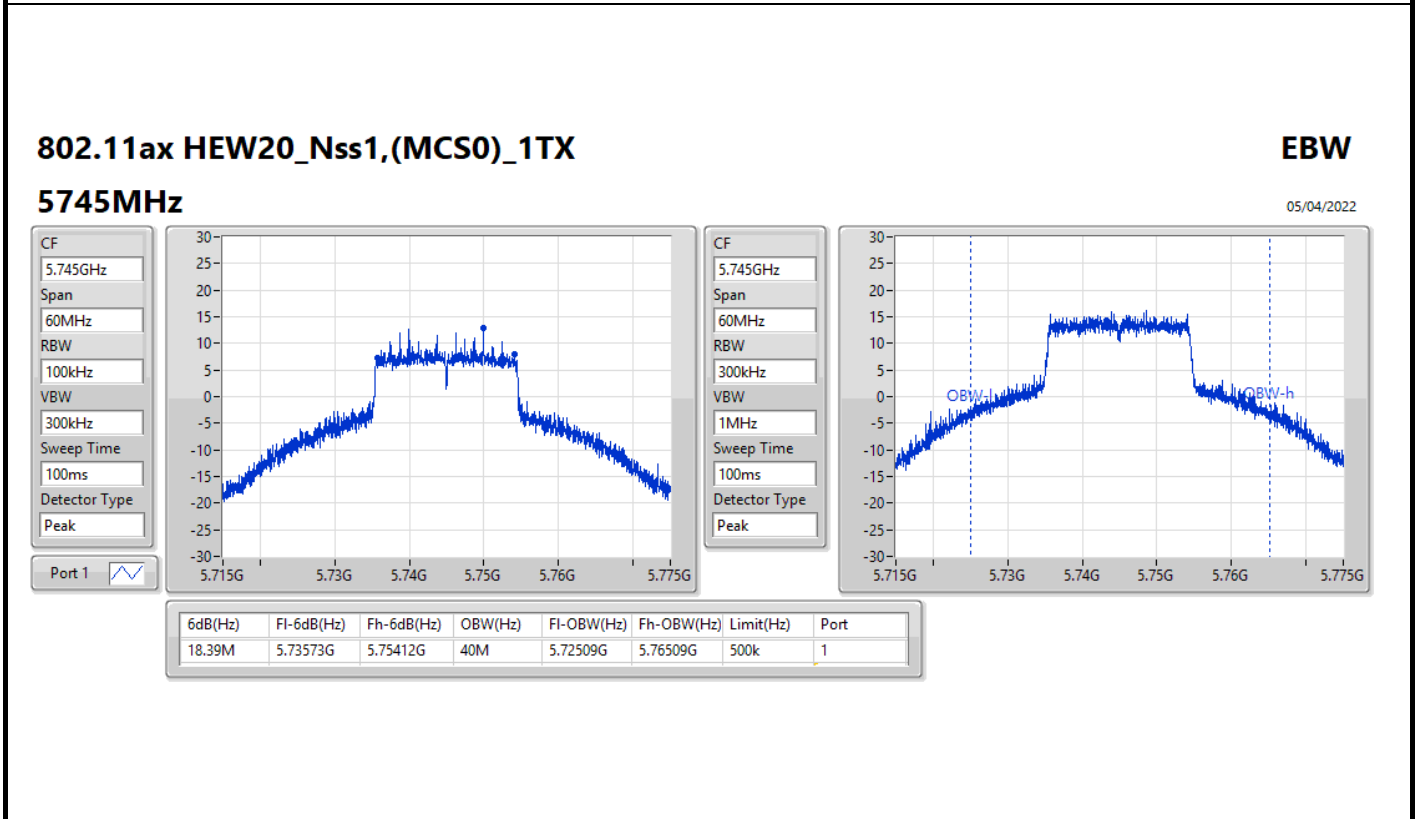
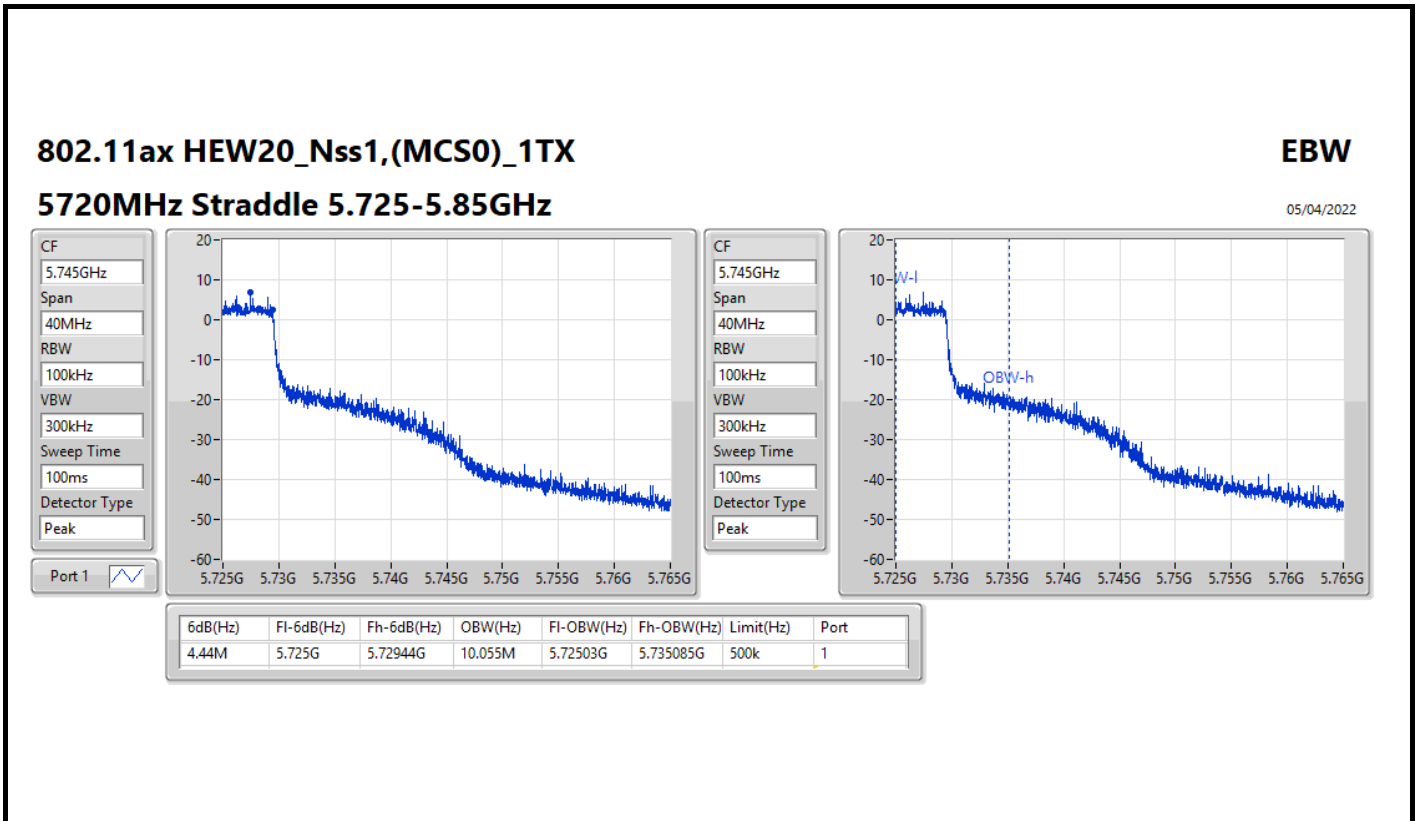
802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

05/04/2022



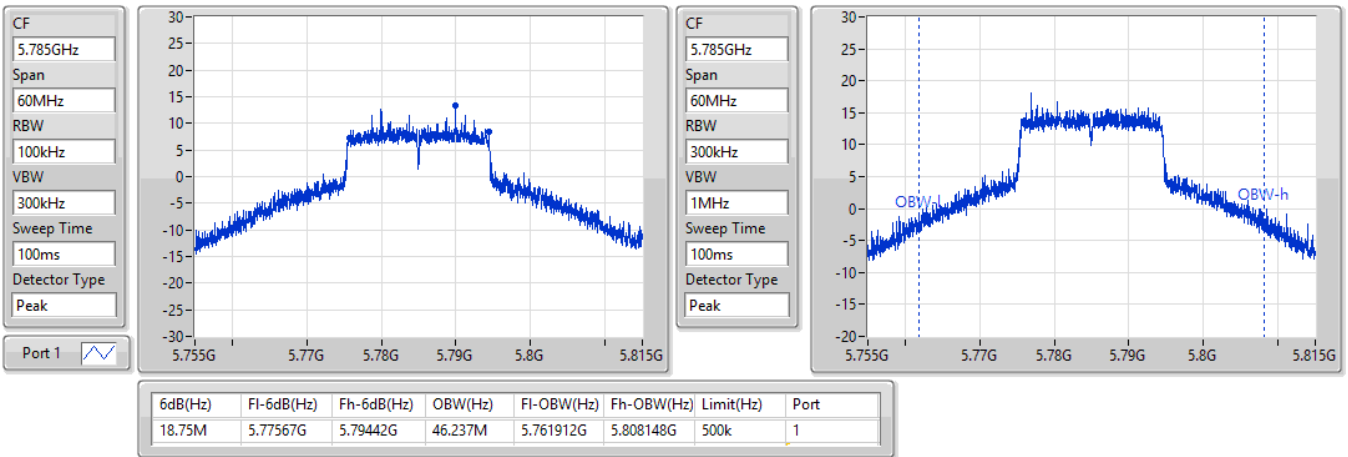


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5785MHz

05/04/2022

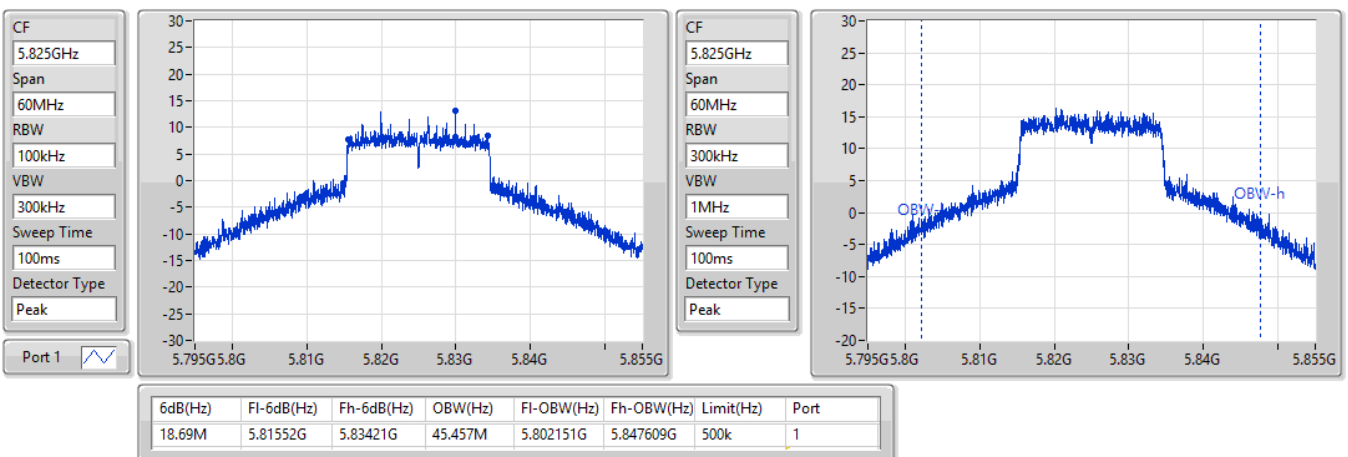


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5825MHz

05/04/2022

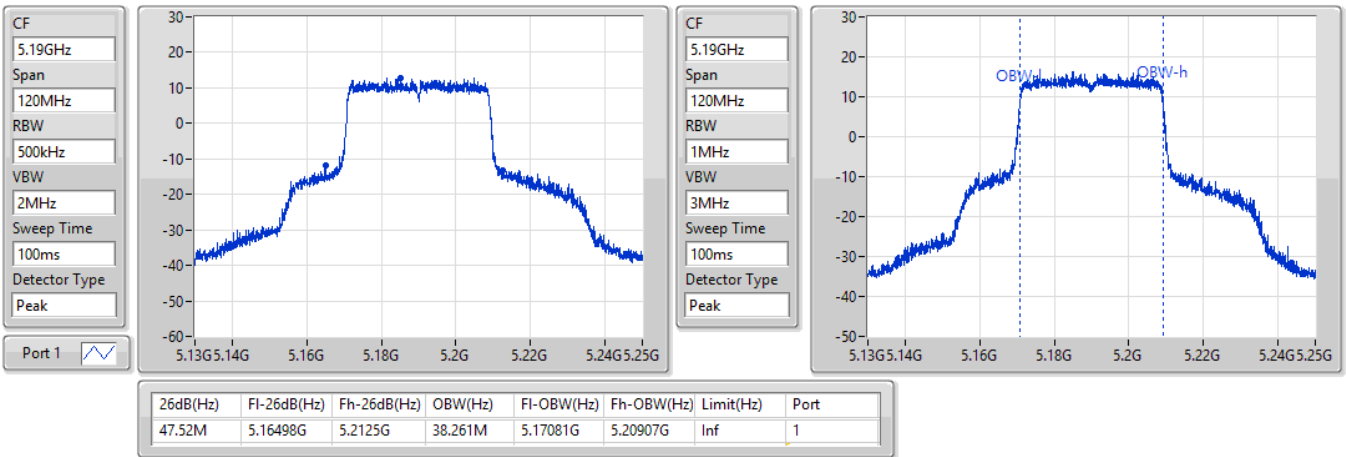


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5190MHz

05/04/2022

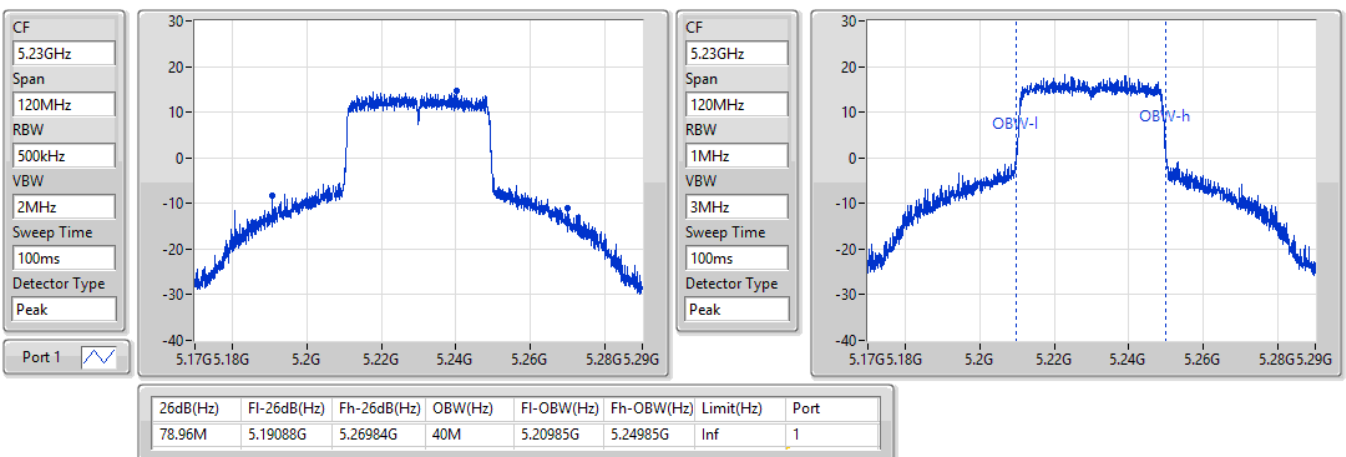


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5230MHz

05/04/2022



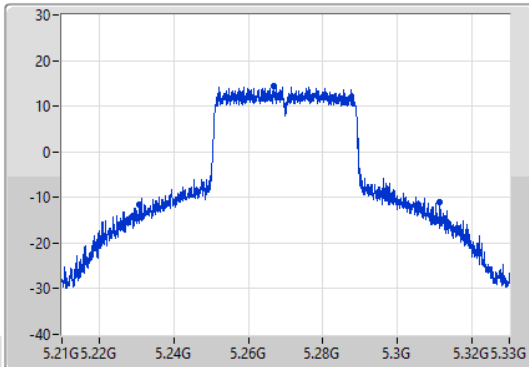
802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

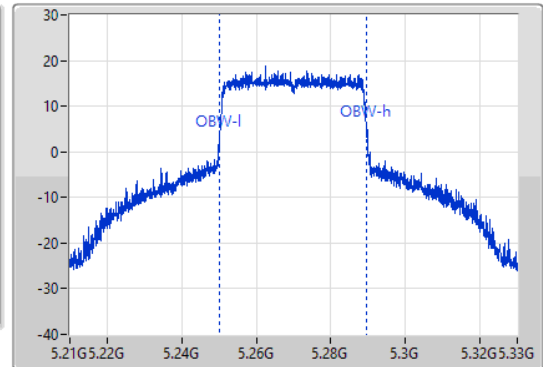
5270MHz

05/04/2022

CF
5.27GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak
Port 1



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
80.4M	5.23088G	5.31128G	39.52M	5.25015G	5.28967G	Inf	1

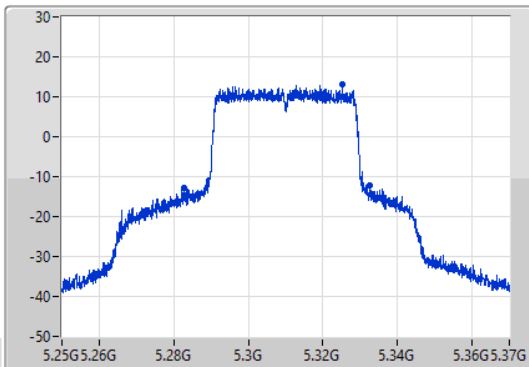
802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

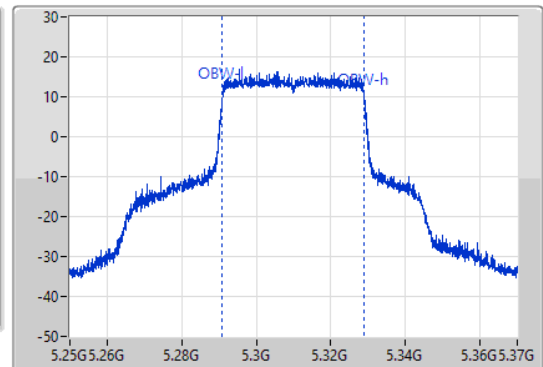
5310MHz

05/04/2022

CF
5.31GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak
Port 1



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



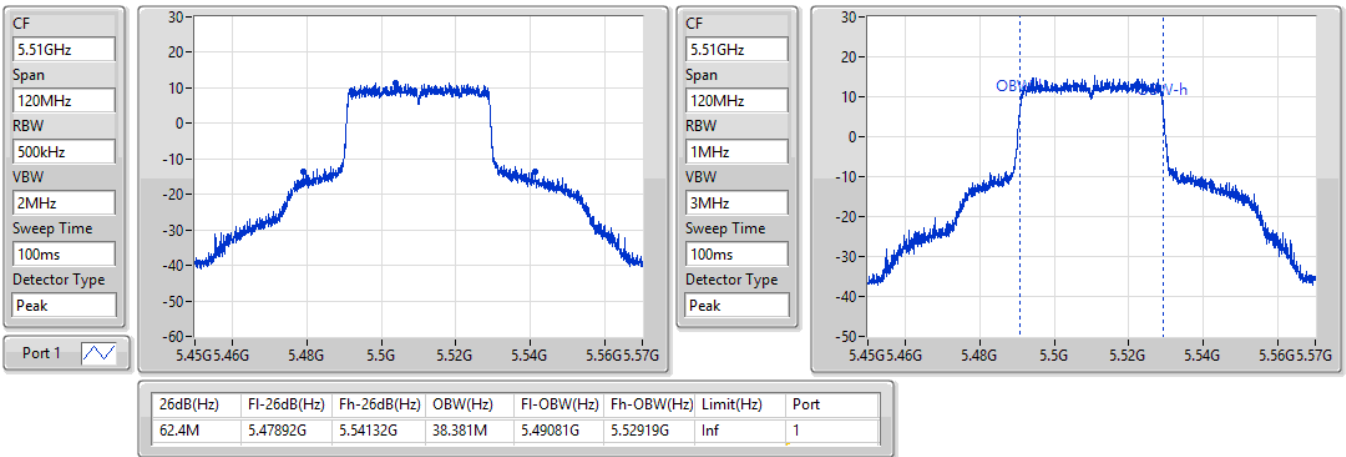
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
50.04M	5.28264G	5.33268G	38.201M	5.29081G	5.32901G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5510MHz

05/04/2022

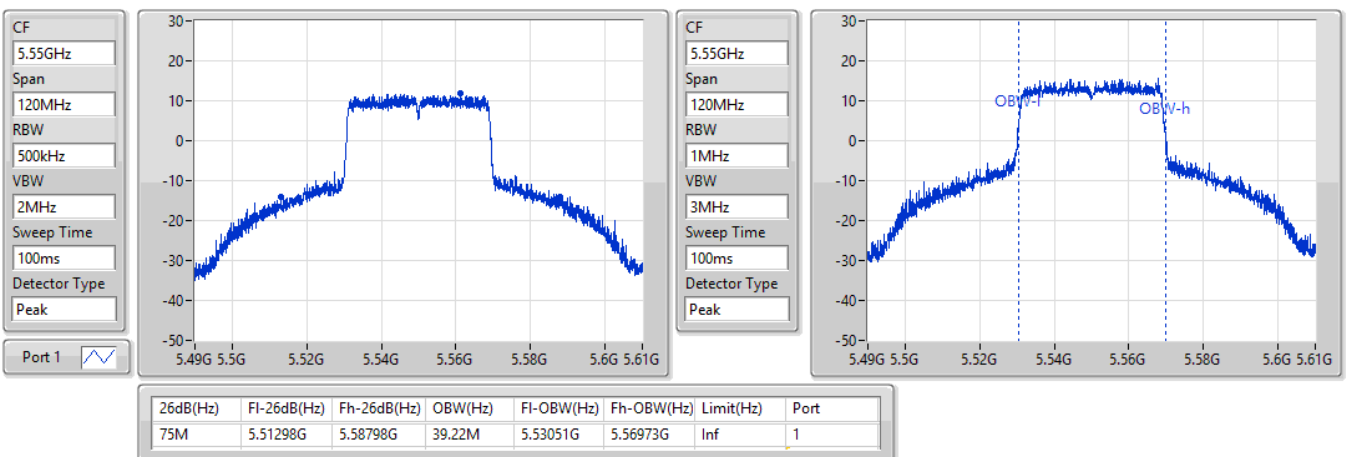


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5550MHz

05/04/2022

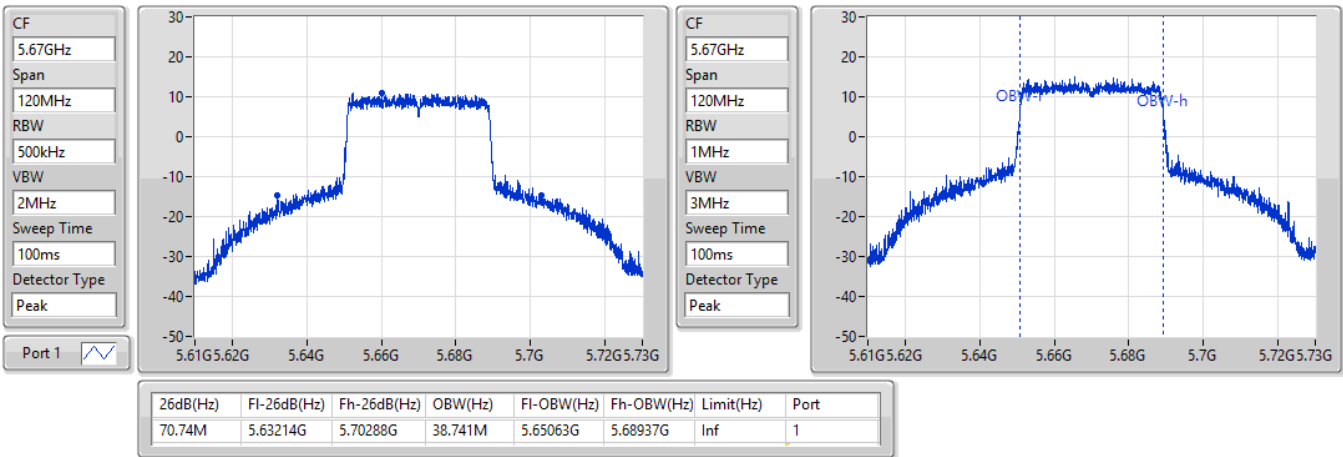


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5670MHz

05/04/2022

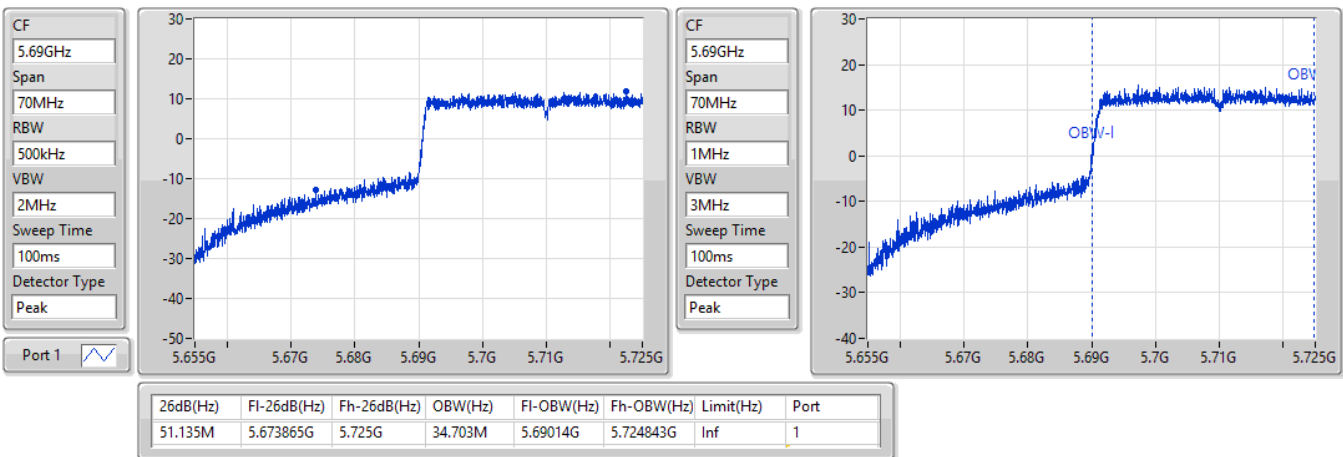


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/04/2022

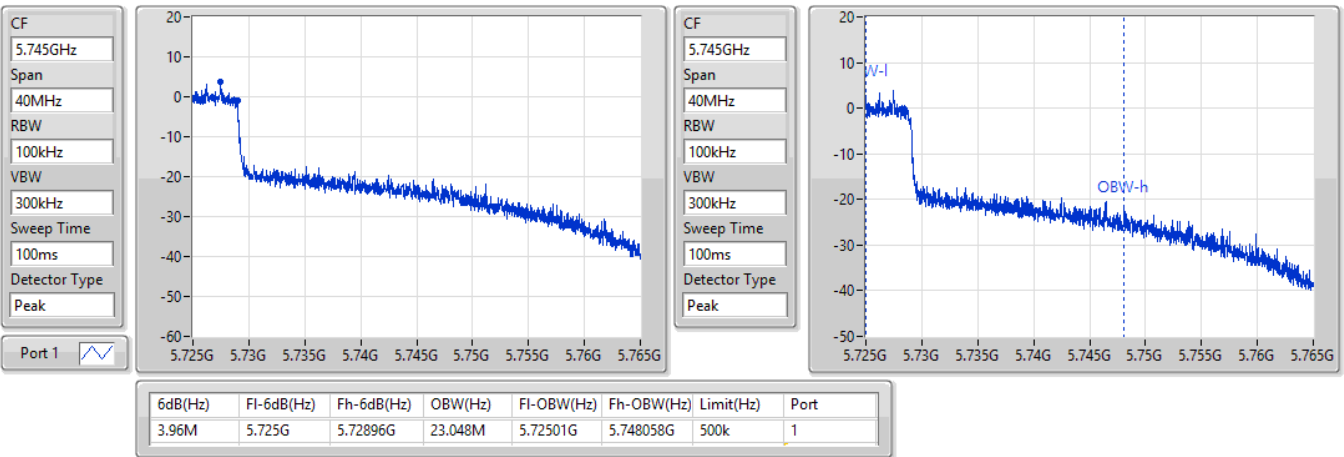


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/04/2022

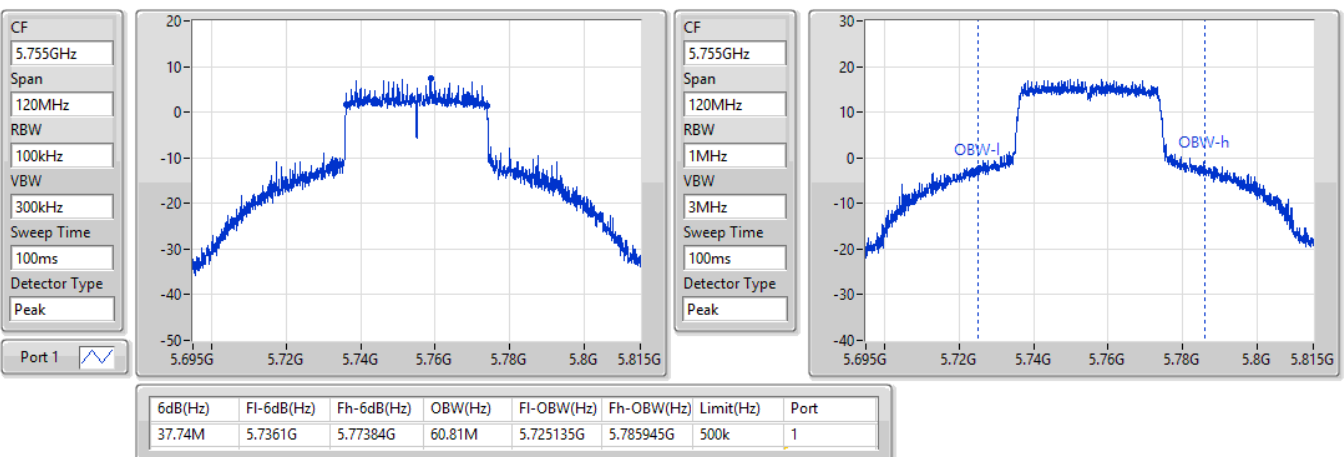


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5755MHz

05/04/2022



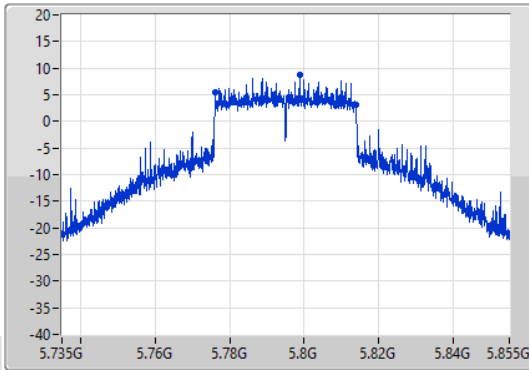
802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

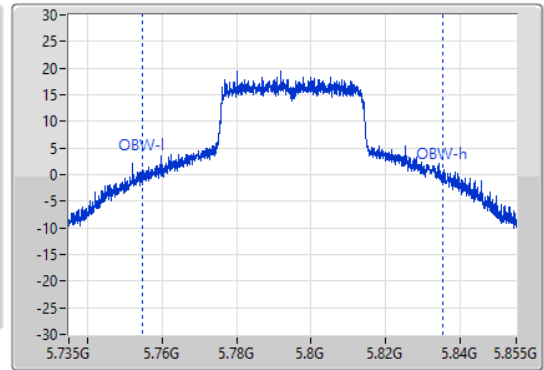
5795MHz

05/04/2022

CF
5.795GHz
Span
120MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak
Port 1



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
37.62M	5.77616G	5.81378G	80.6M	5.75476G	5.83536G	500k	1

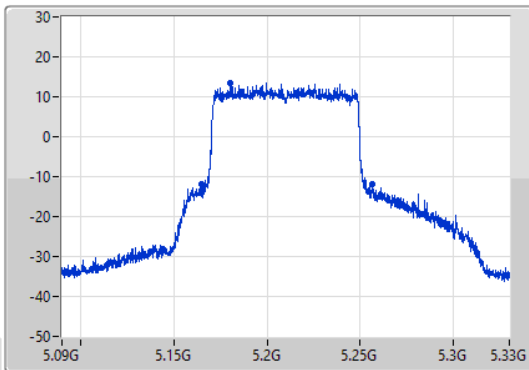
802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

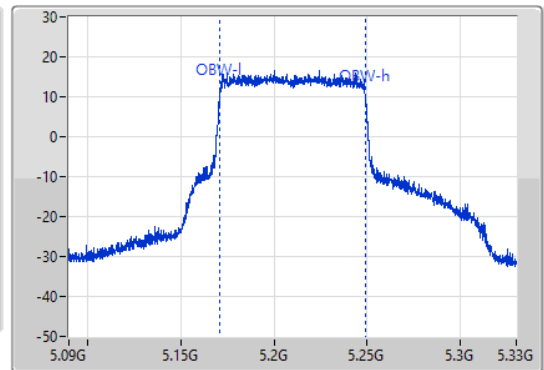
5210MHz

05/04/2022

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



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



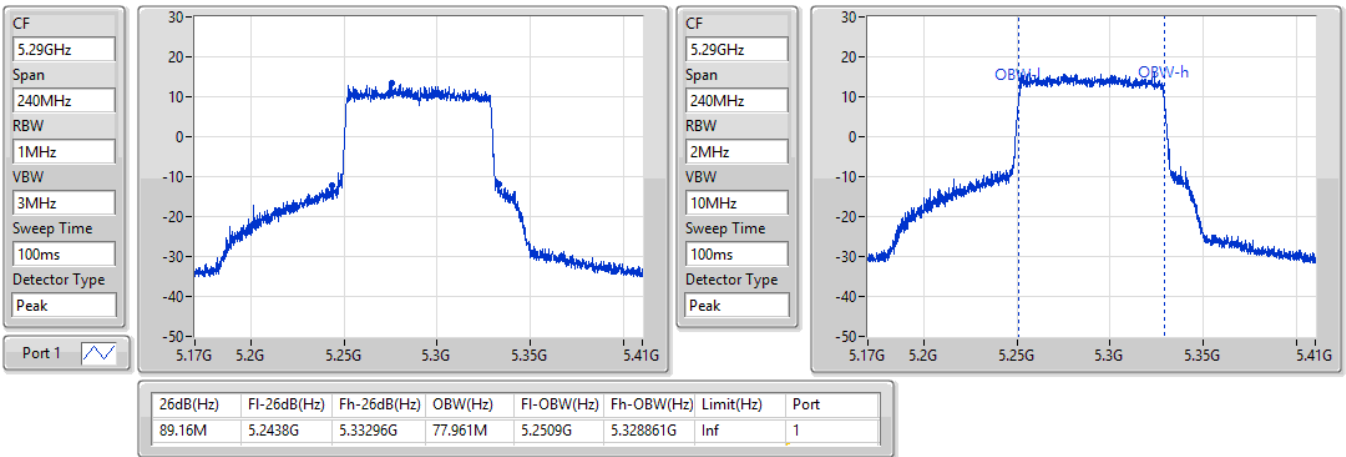
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
91.56M	5.16476G	5.25632G	78.081M	5.171019G	5.2491G	Inf	1

802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5290MHz

05/04/2022

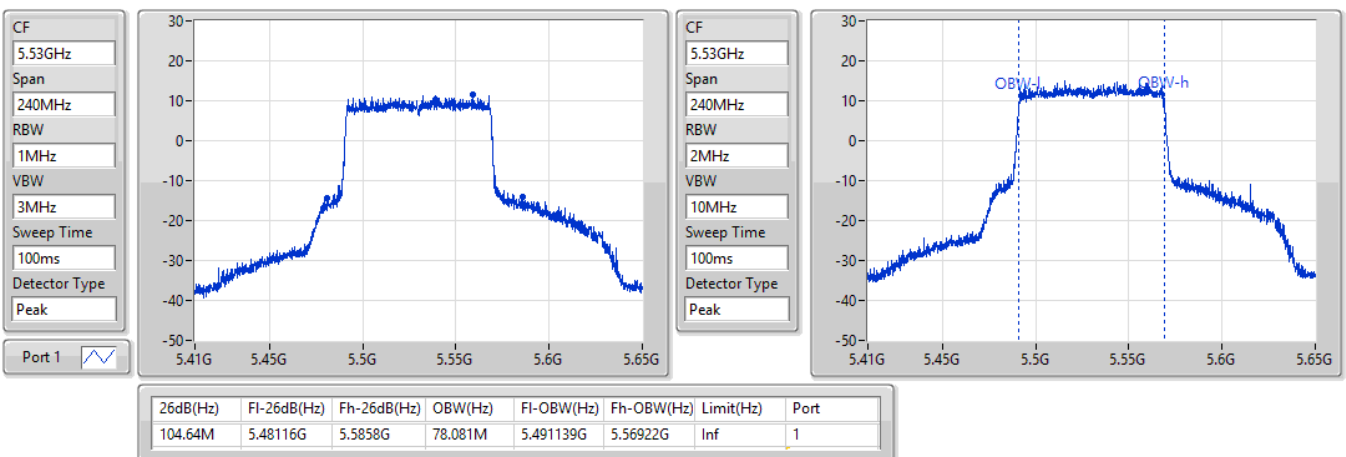


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5530MHz

05/04/2022

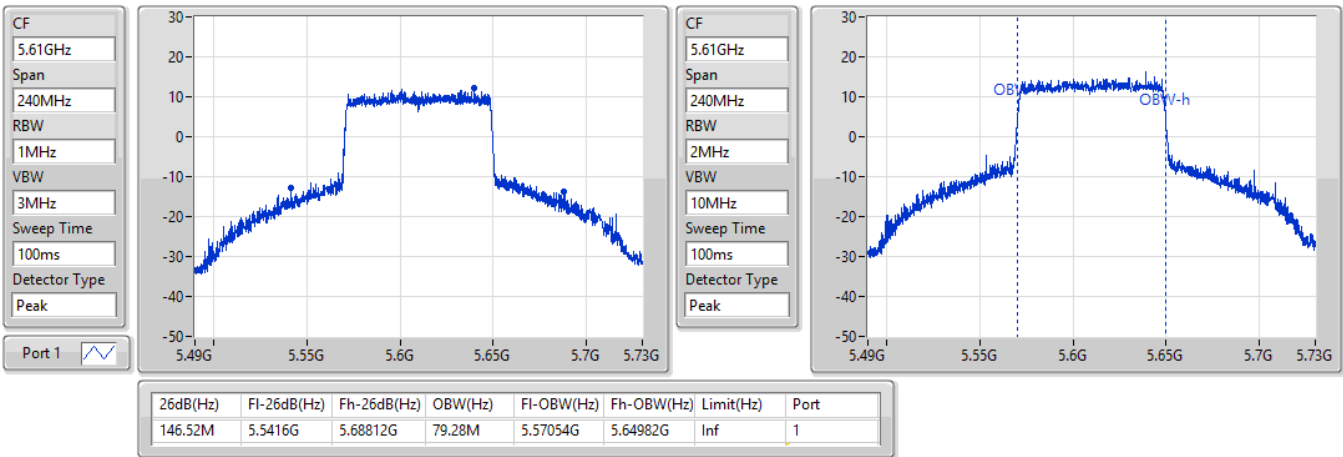


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5610MHz

05/04/2022

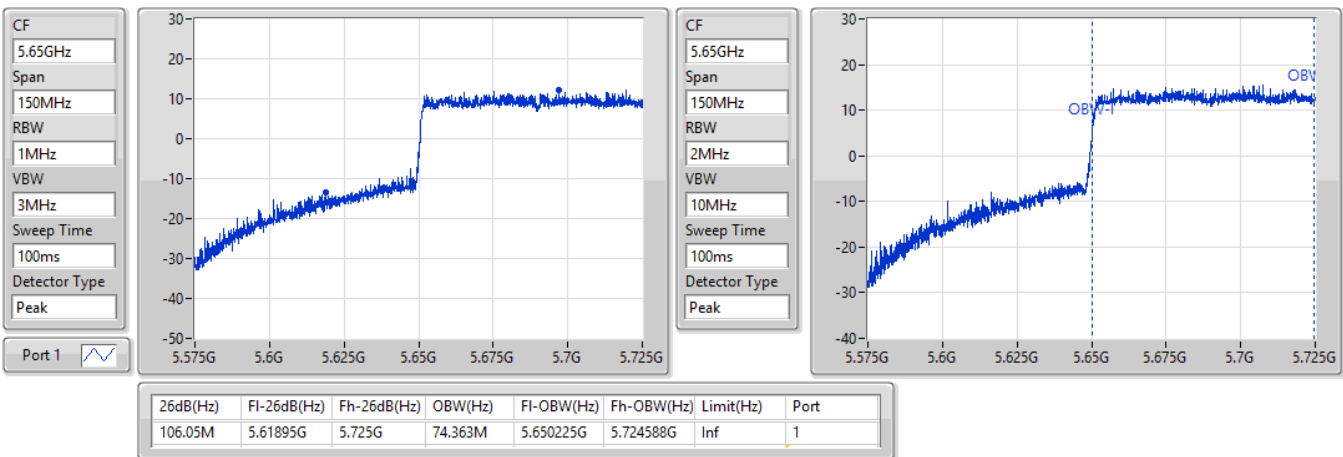


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.47-5.725GHz

05/04/2022

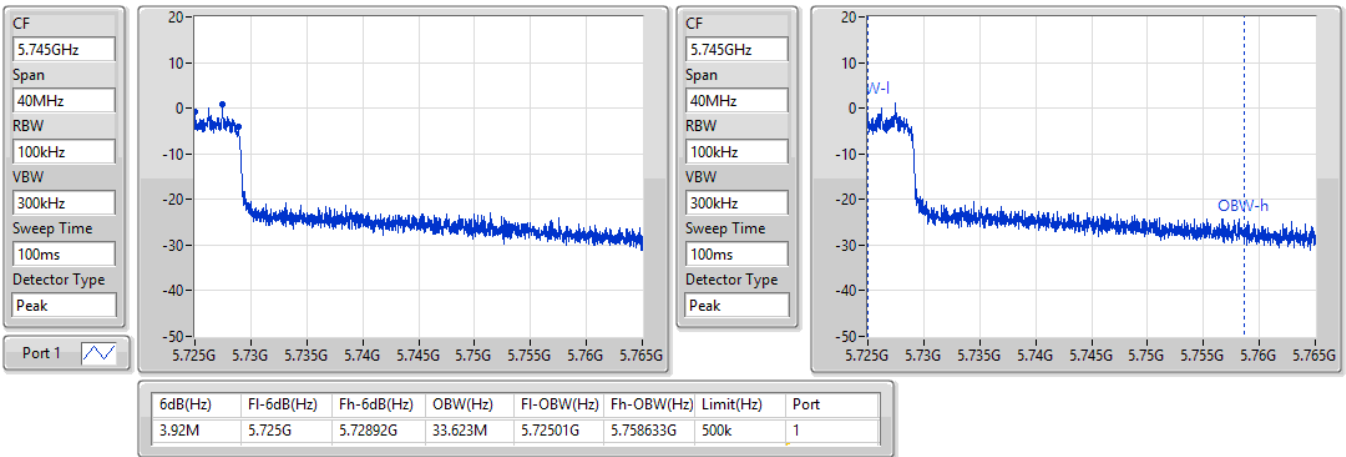


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

05/04/2022

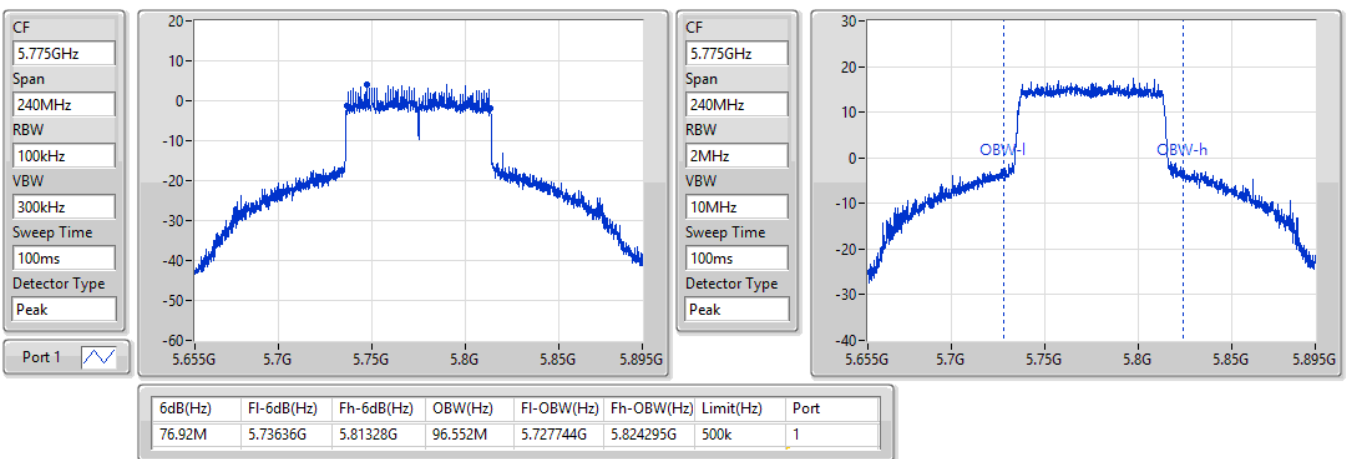


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5775MHz

05/04/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	25.45	0.35075
802.11ax HEW20_Nss1,(MCS0)_2TX	24.80	0.30200
802.11ax HEW40_Nss1,(MCS0)_2TX	22.78	0.18967
802.11ax HEW80_Nss1,(MCS0)_2TX	21.31	0.13521
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	25.14	0.32659
802.11ax HEW20_Nss1,(MCS0)_2TX	25.12	0.32509
802.11ax HEW40_Nss1,(MCS0)_2TX	24.30	0.26915
802.11ax HEW80_Nss1,(MCS0)_2TX	22.34	0.17140



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.40	21.20	19.35	23.38	30.00
5200MHz	Pass	2.40	23.21	21.51	25.45	30.00
5240MHz	Pass	2.40	20.35	18.88	22.69	30.00
5745MHz	Pass	2.07	22.48	21.55	25.05	30.00
5785MHz	Pass	2.07	21.87	22.37	25.14	30.00
5825MHz	Pass	2.07	21.15	20.99	24.08	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.40	20.40	18.70	22.64	30.00
5200MHz	Pass	2.40	22.55	20.87	24.80	30.00
5240MHz	Pass	2.40	20.57	19.01	22.87	30.00
5745MHz	Pass	2.07	22.44	21.49	25.00	30.00
5785MHz	Pass	2.07	21.89	22.31	25.12	30.00
5825MHz	Pass	2.07	21.17	20.88	24.04	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	2.40	18.04	17.47	20.77	30.00
5230MHz	Pass	2.40	20.21	19.29	22.78	30.00
5755MHz	Pass	2.07	20.79	20.13	23.48	30.00
5795MHz	Pass	2.07	21.46	21.12	24.30	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	2.40	18.53	18.06	21.31	30.00
5775MHz	Pass	2.07	19.56	19.08	22.34	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	24.80	0.30200
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.78	0.18967
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	21.31	0.13521
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	25.12	0.32509
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	24.30	0.26915
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	22.34	0.17140



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	4.53	20.4	18.7	22.64	30.00
5200MHz	Pass	4.53	22.55	20.87	24.80	30.00
5240MHz	Pass	4.53	20.57	19.01	22.87	30.00
5745MHz	Pass	3.30	22.44	21.49	25.00	30.00
5785MHz	Pass	3.30	21.89	22.31	25.12	30.00
5825MHz	Pass	3.30	21.17	20.88	24.04	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	4.53	18.04	17.47	20.77	30.00
5230MHz	Pass	4.53	20.21	19.29	22.78	30.00
5755MHz	Pass	3.30	20.79	20.13	23.48	30.00
5795MHz	Pass	3.30	21.46	21.12	24.30	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	4.53	18.53	18.06	21.31	30.00
5775MHz	Pass	3.30	19.56	19.08	22.34	30.00

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



Summary

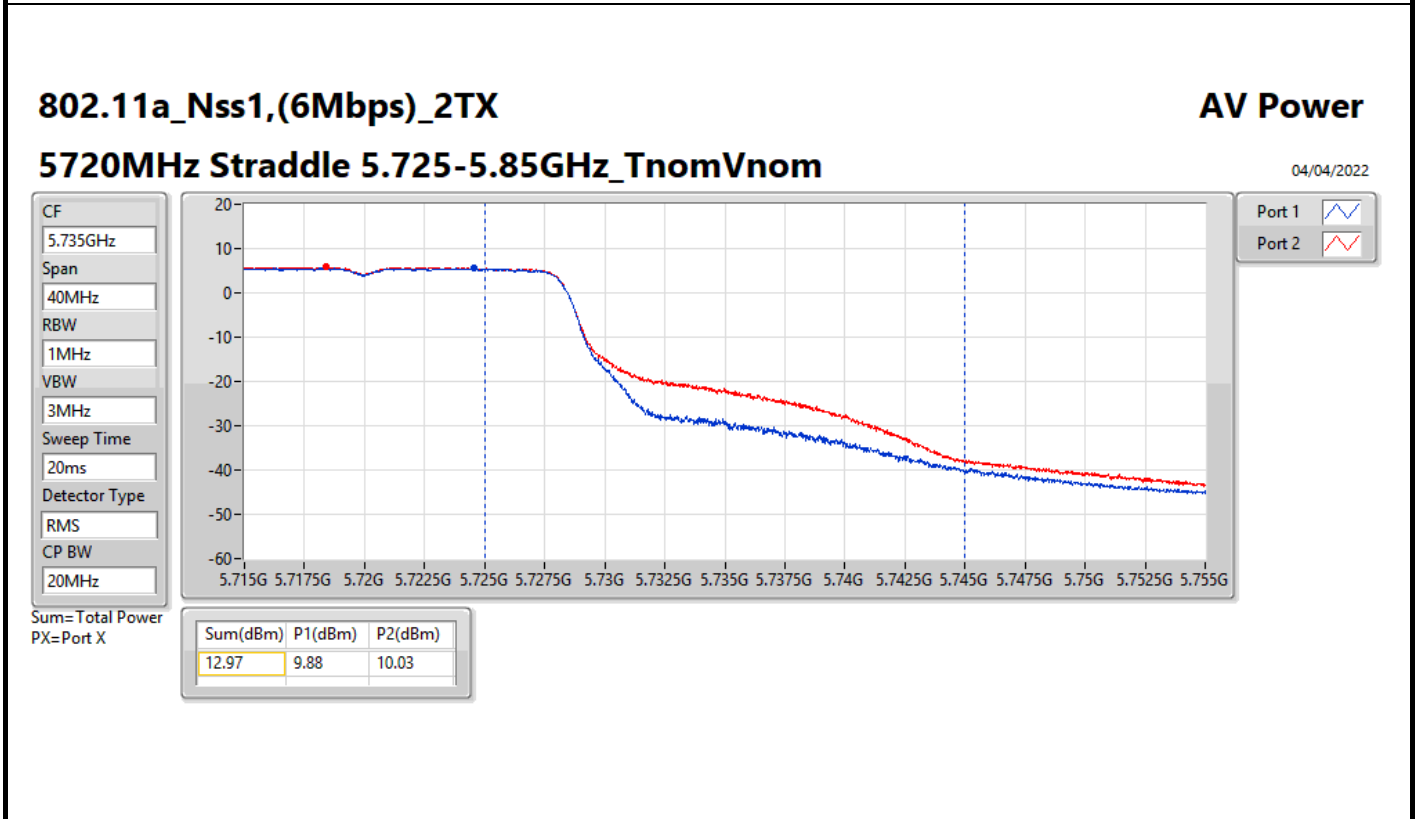
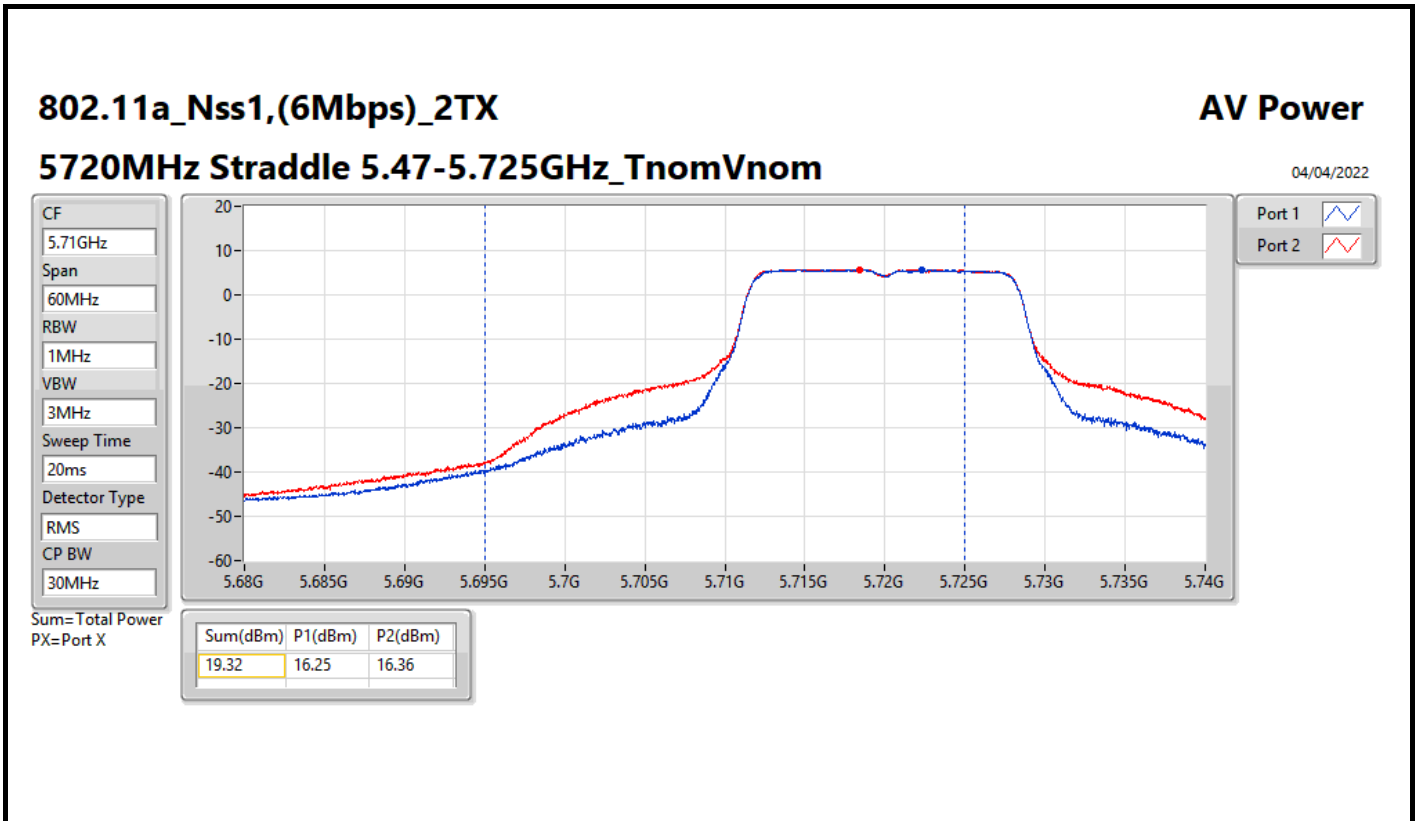
Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.69	0.23388
802.11ax HEW20_Nss1,(MCS0)_2TX	23.32	0.21478
802.11ax HEW40_Nss1,(MCS0)_2TX	23.37	0.21727
802.11ax HEW80_Nss1,(MCS0)_2TX	21.30	0.13490
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.96	0.19770
802.11ax HEW20_Nss1,(MCS0)_2TX	23.27	0.21232
802.11ax HEW40_Nss1,(MCS0)_2TX	21.94	0.15631
802.11ax HEW80_Nss1,(MCS0)_2TX	22.33	0.17100
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	12.97	0.01982
802.11ax HEW20_Nss1,(MCS0)_2TX	13.61	0.02296
802.11ax HEW40_Nss1,(MCS0)_2TX	10.07	0.01016
802.11ax HEW80_Nss1,(MCS0)_2TX	7.43	0.00553

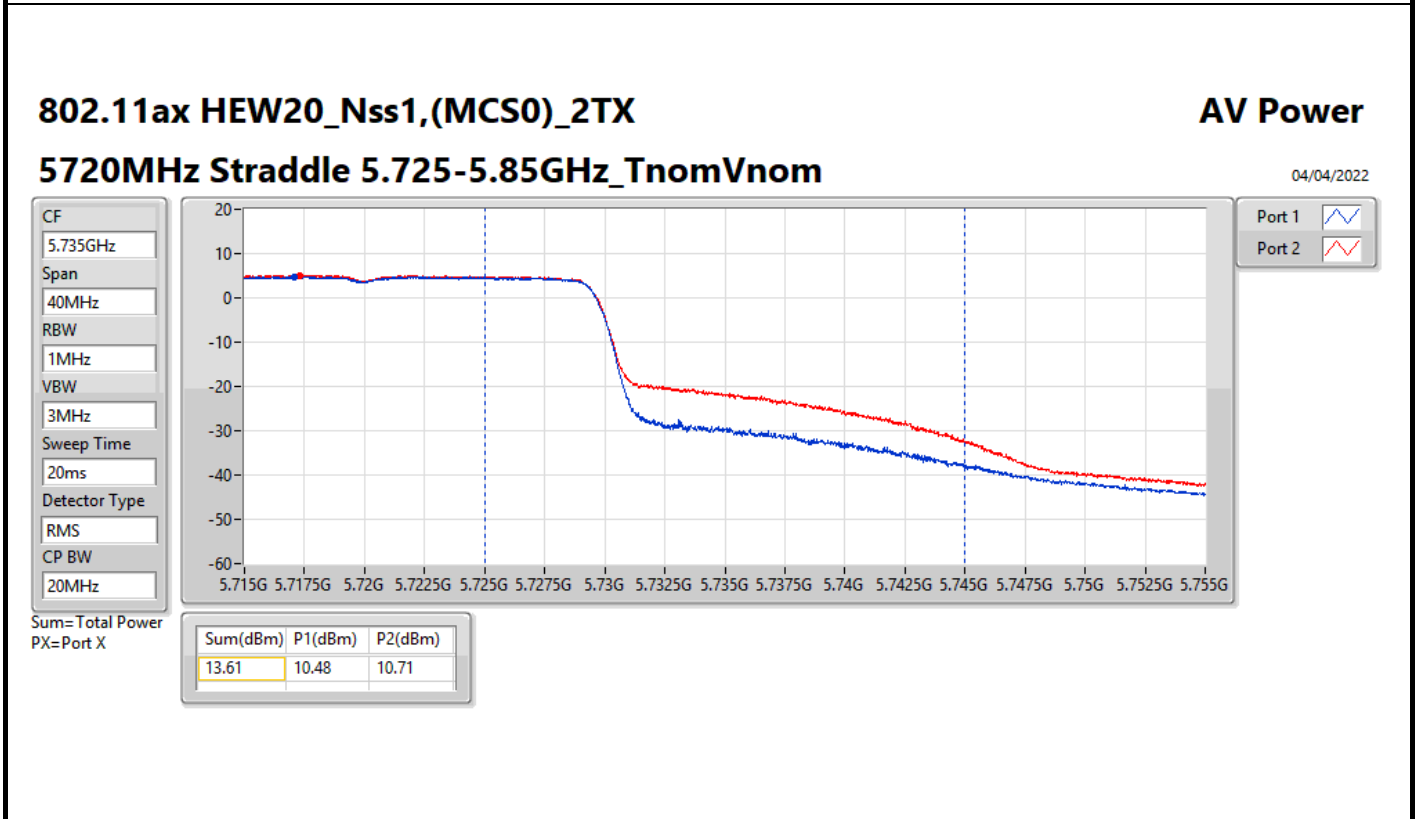
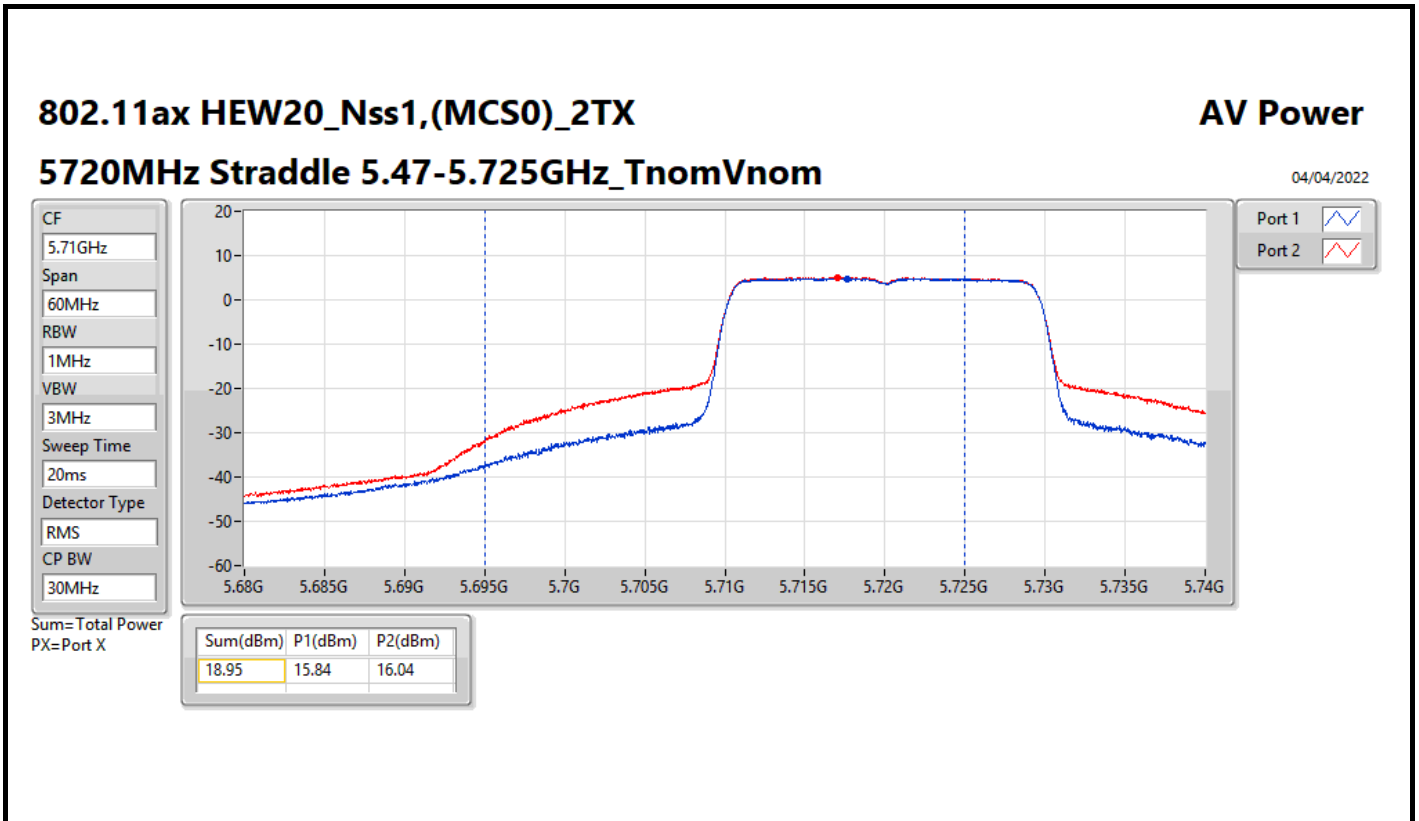


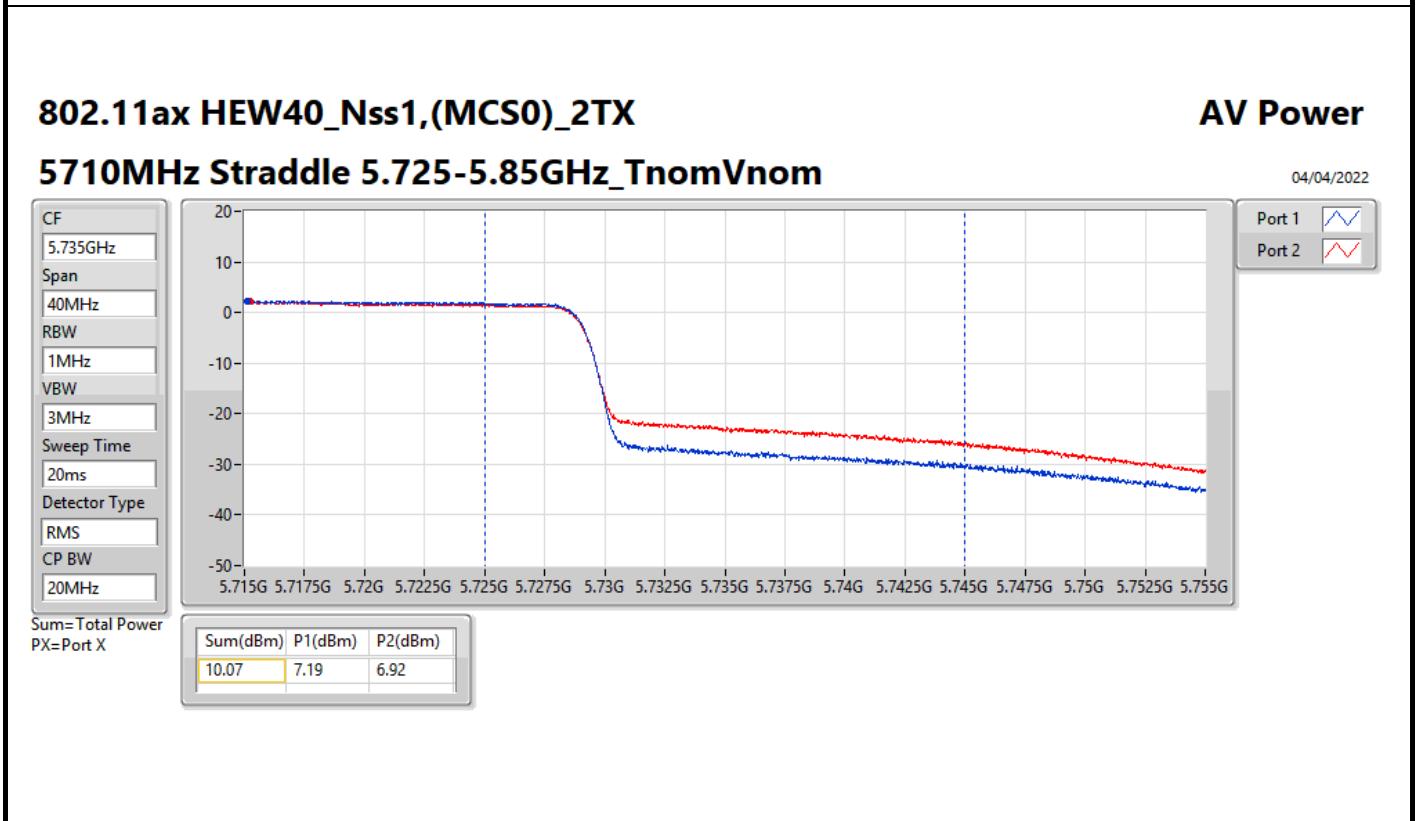
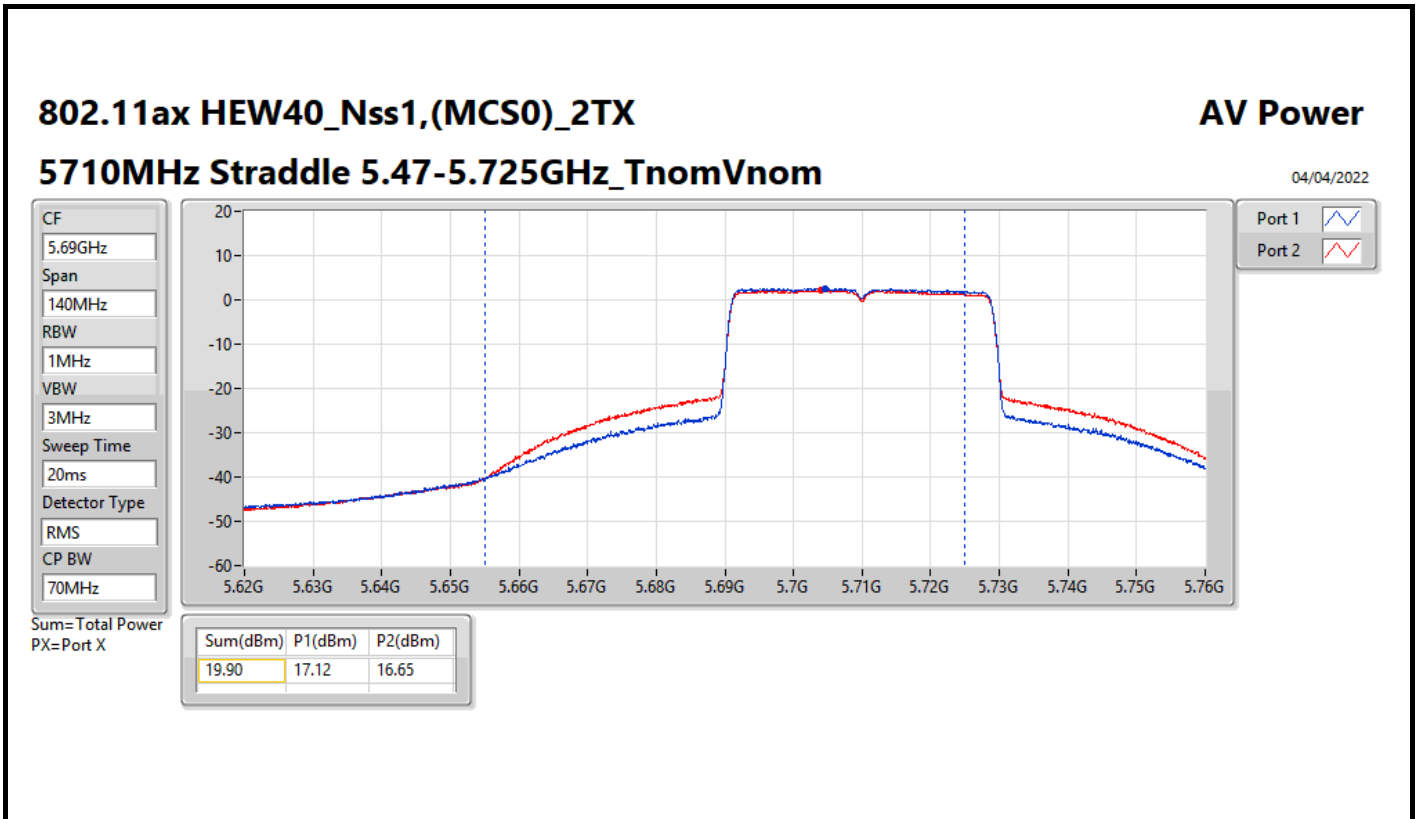
Result

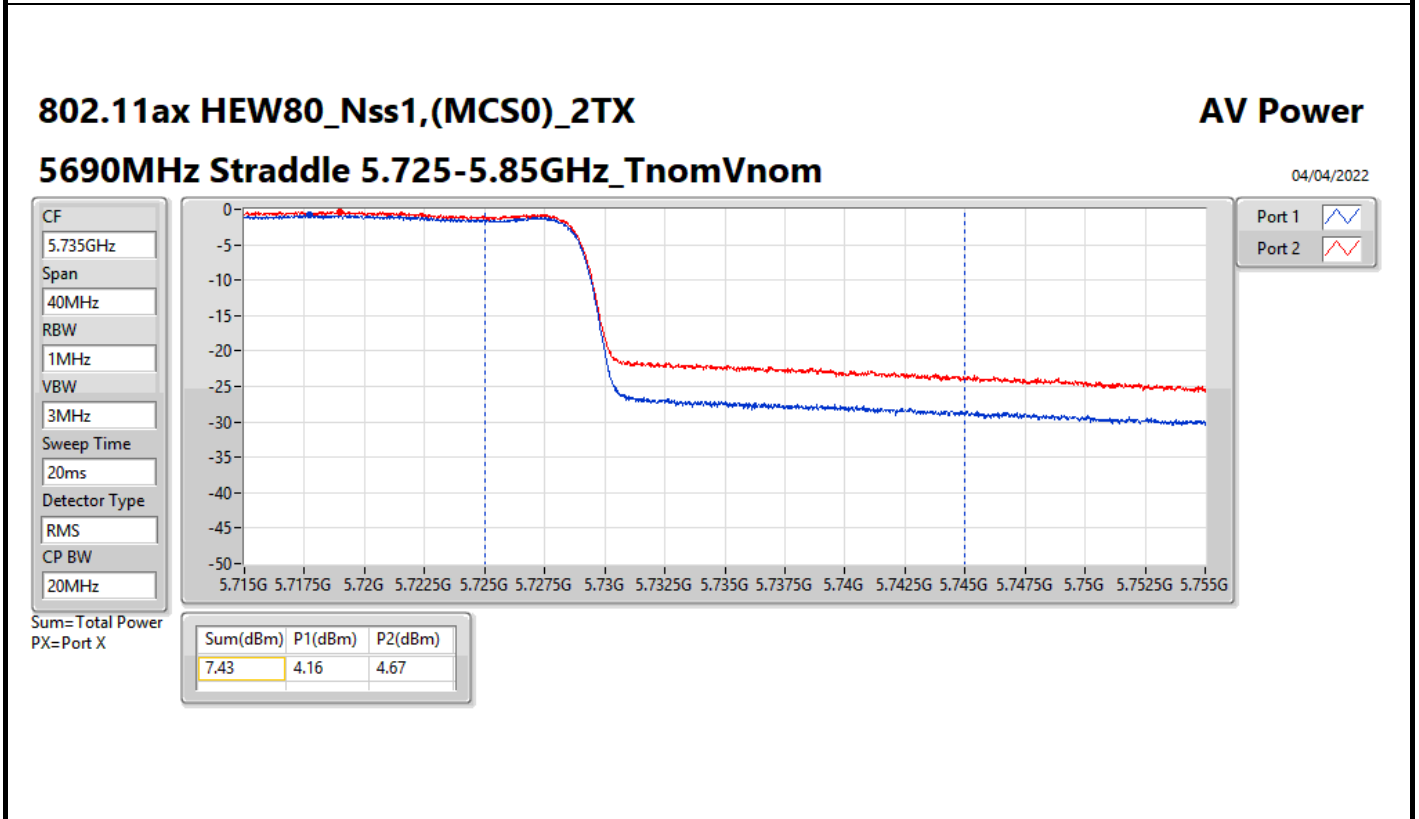
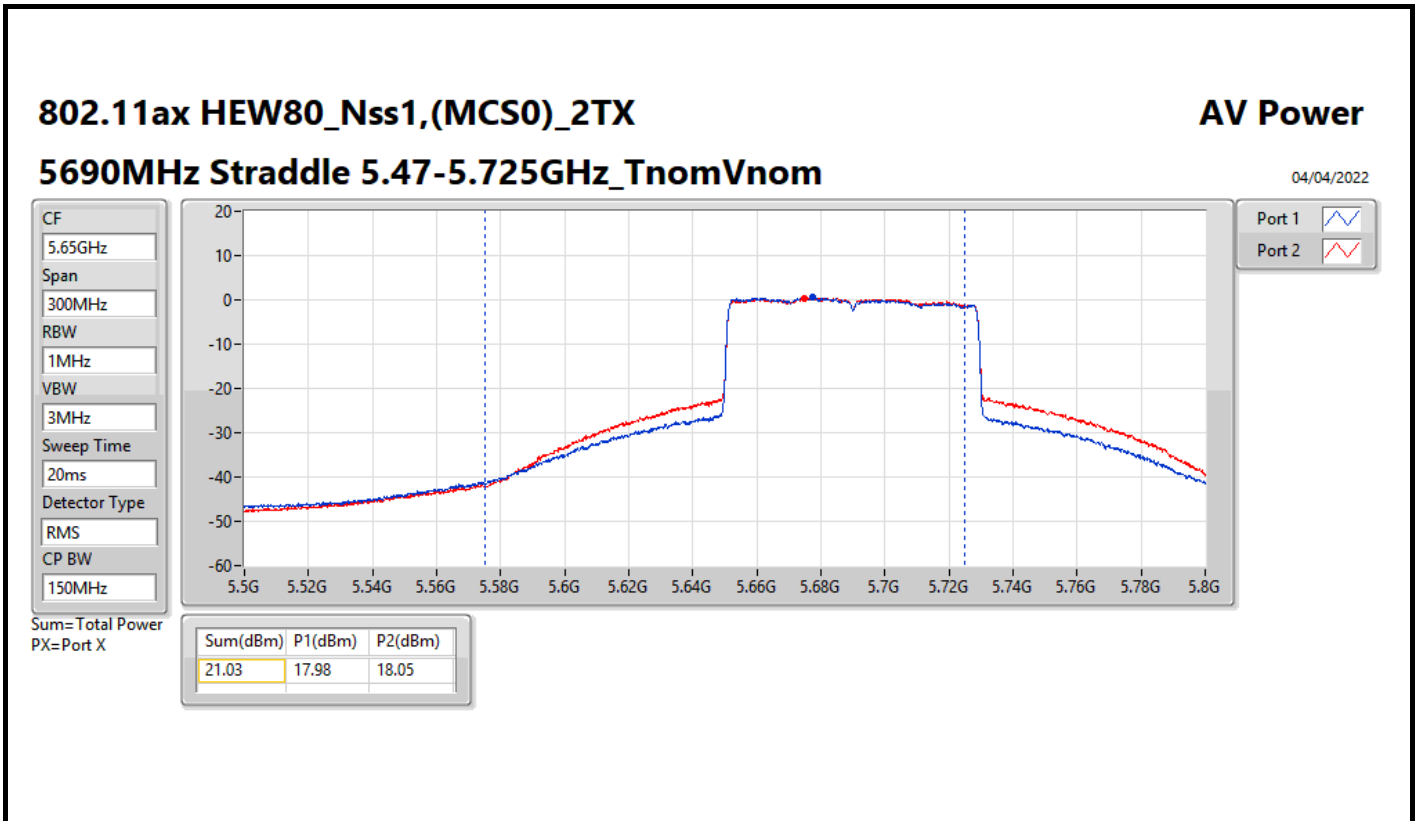
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	2.20	20.30	21.03	23.69	23.98
5300MHz	Pass	2.20	20.35	20.86	23.62	23.98
5320MHz	Pass	2.20	19.97	20.64	23.33	23.98
5500MHz	Pass	2.33	19.59	20.29	22.96	23.98
5580MHz	Pass	2.33	18.56	19.34	21.98	23.98
5700MHz	Pass	2.33	17.05	17.02	20.05	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.33	16.25	16.36	19.32	23.48
5720MHz Straddle 5.725-5.85GHz	Pass	2.07	9.88	10.03	12.97	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	2.20	19.93	20.66	23.32	23.98
5300MHz	Pass	2.20	19.86	20.69	23.31	23.98
5320MHz	Pass	2.20	19.86	20.63	23.27	23.98
5500MHz	Pass	2.33	20.08	20.44	23.27	23.98
5580MHz	Pass	2.33	18.79	19.45	22.14	23.98
5700MHz	Pass	2.33	15.86	15.59	18.74	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.33	15.84	16.04	18.95	23.10
5720MHz Straddle 5.725-5.85GHz	Pass	2.07	10.48	10.71	13.61	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	2.20	20.01	20.69	23.37	23.98
5310MHz	Pass	2.20	18.04	18.65	21.37	23.98
5510MHz	Pass	2.33	18.39	18.24	21.33	23.98
5550MHz	Pass	2.33	18.89	18.96	21.94	23.98
5670MHz	Pass	2.33	18.95	18.57	21.77	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	2.33	17.12	16.65	19.90	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	2.07	7.19	6.92	10.07	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	2.20	18.15	18.42	21.30	23.98
5530MHz	Pass	2.33	17.56	17.38	20.48	23.98
5610MHz	Pass	2.33	19.13	19.51	22.33	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	2.33	17.98	18.05	21.03	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	2.07	4.16	4.67	7.43	30.00

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











Summary

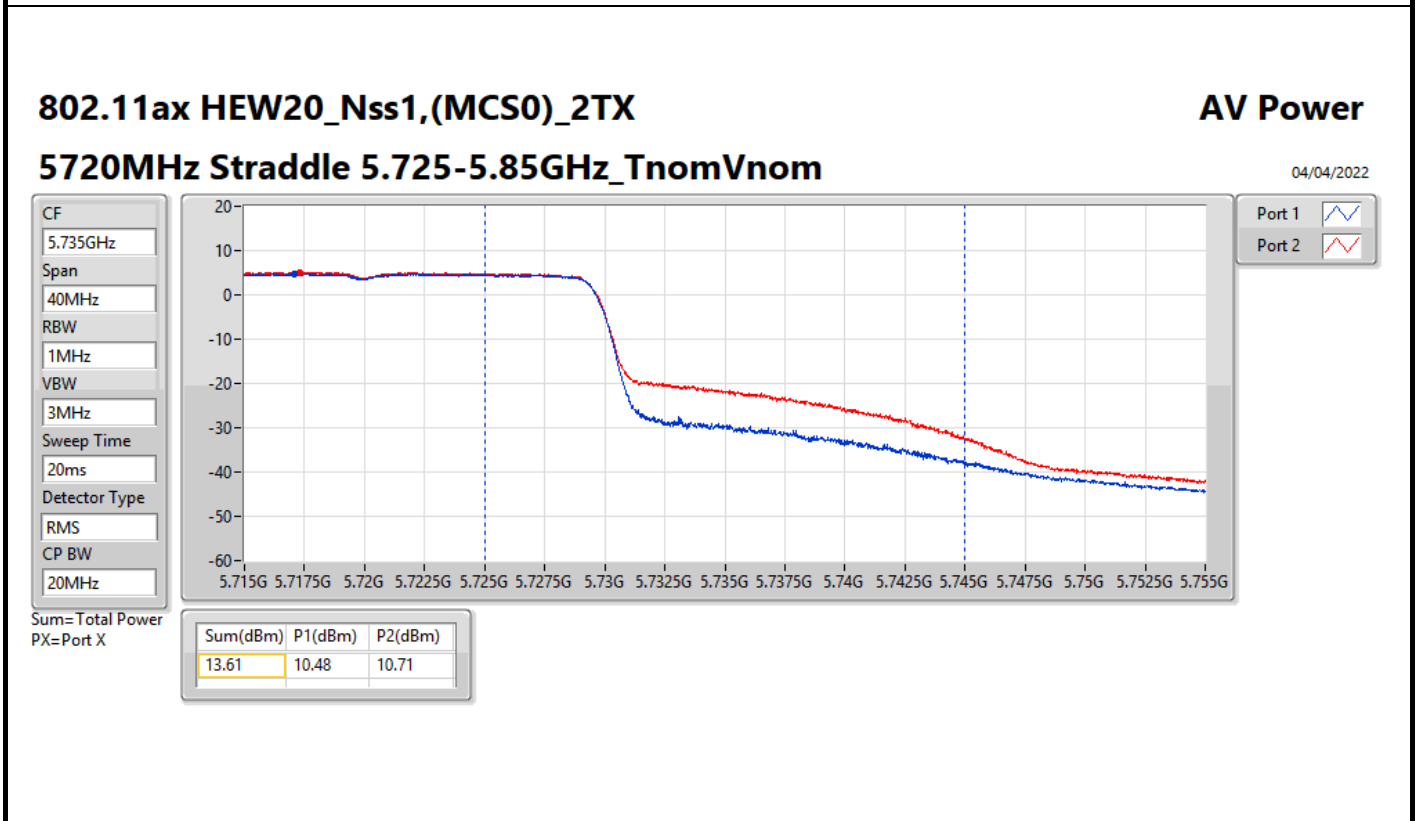
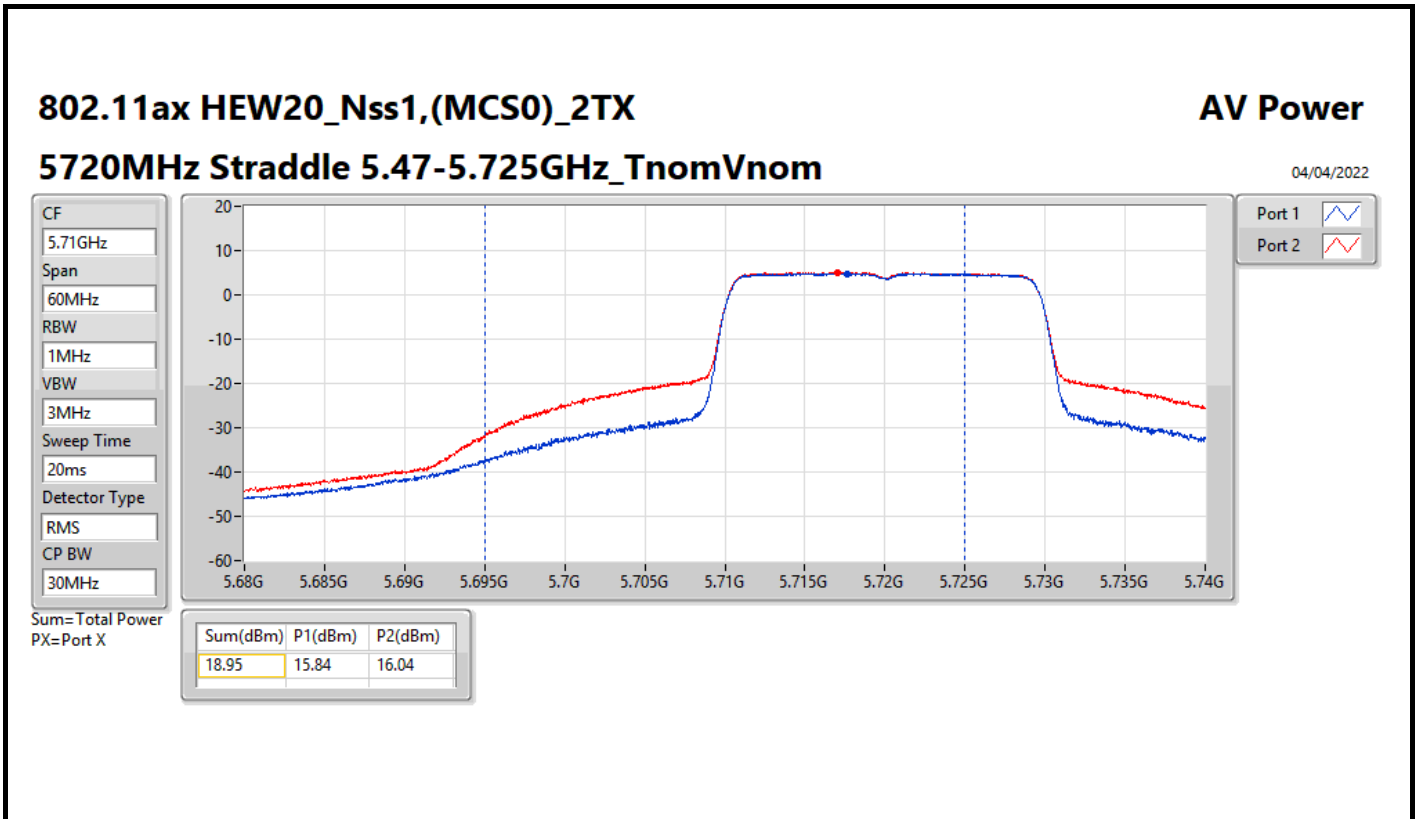
Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.32	0.21478
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	23.37	0.21727
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	21.30	0.13490
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.27	0.21232
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.94	0.15631
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	22.33	0.17100
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	13.61	0.02296
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	10.07	0.01016
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	7.43	0.00553

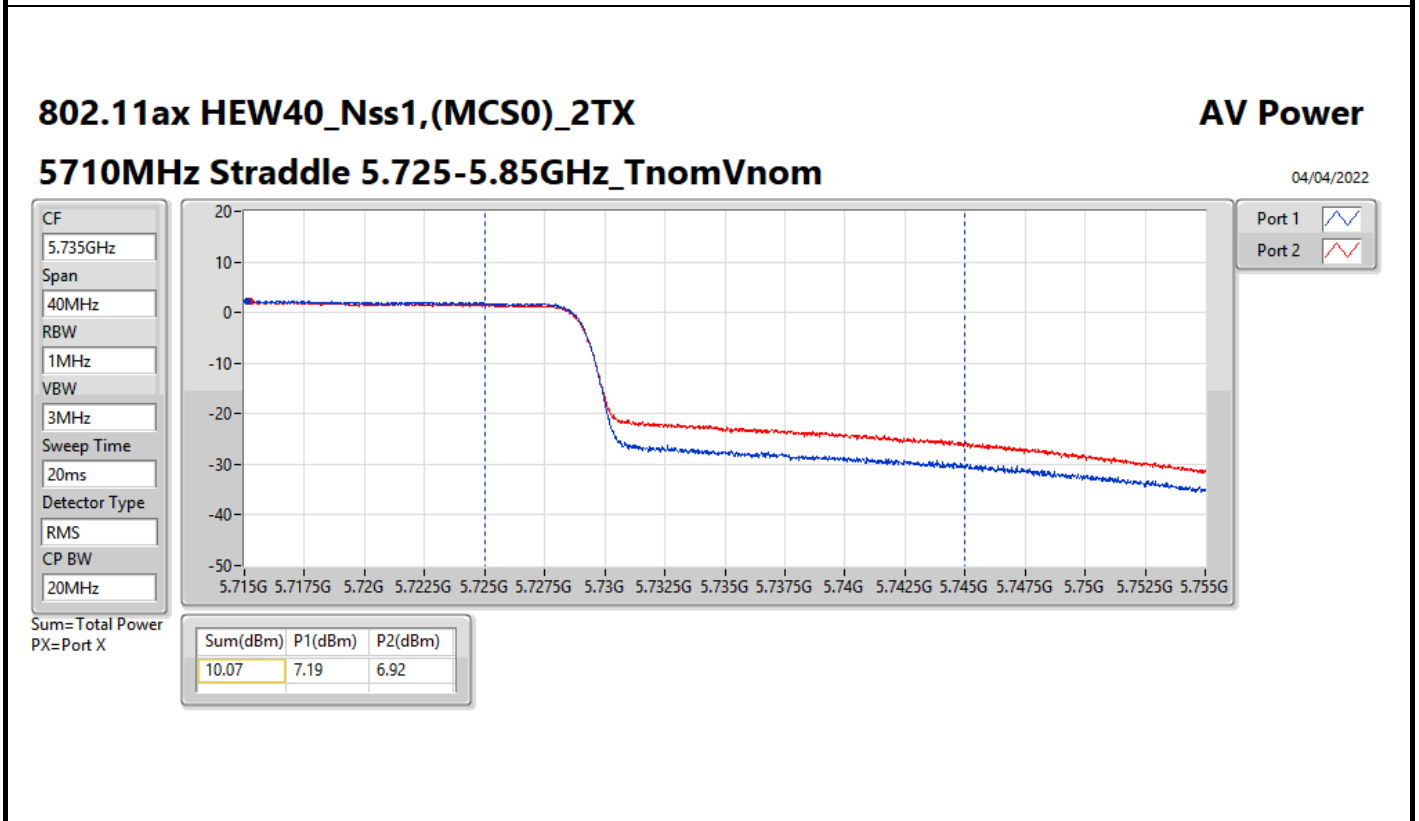
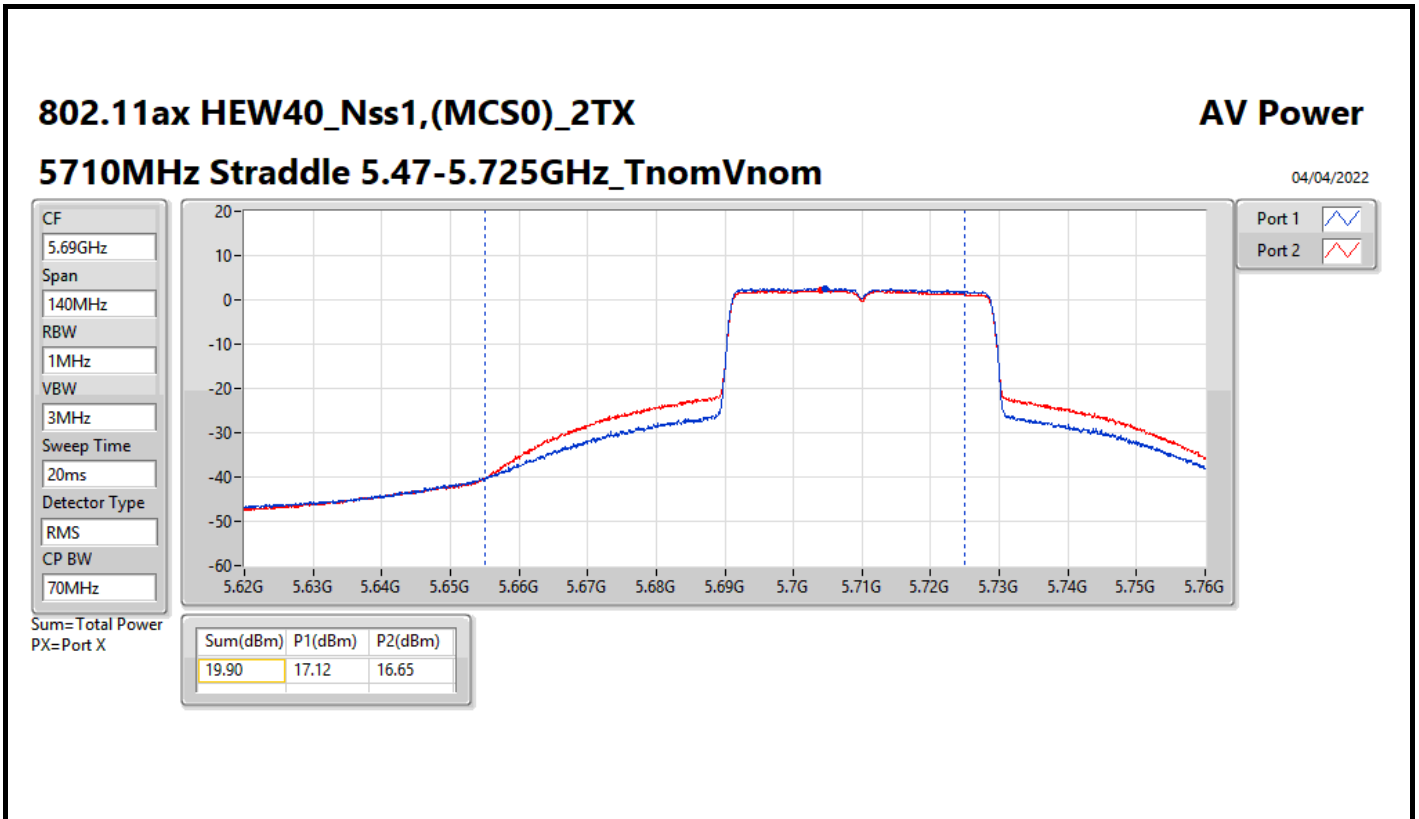


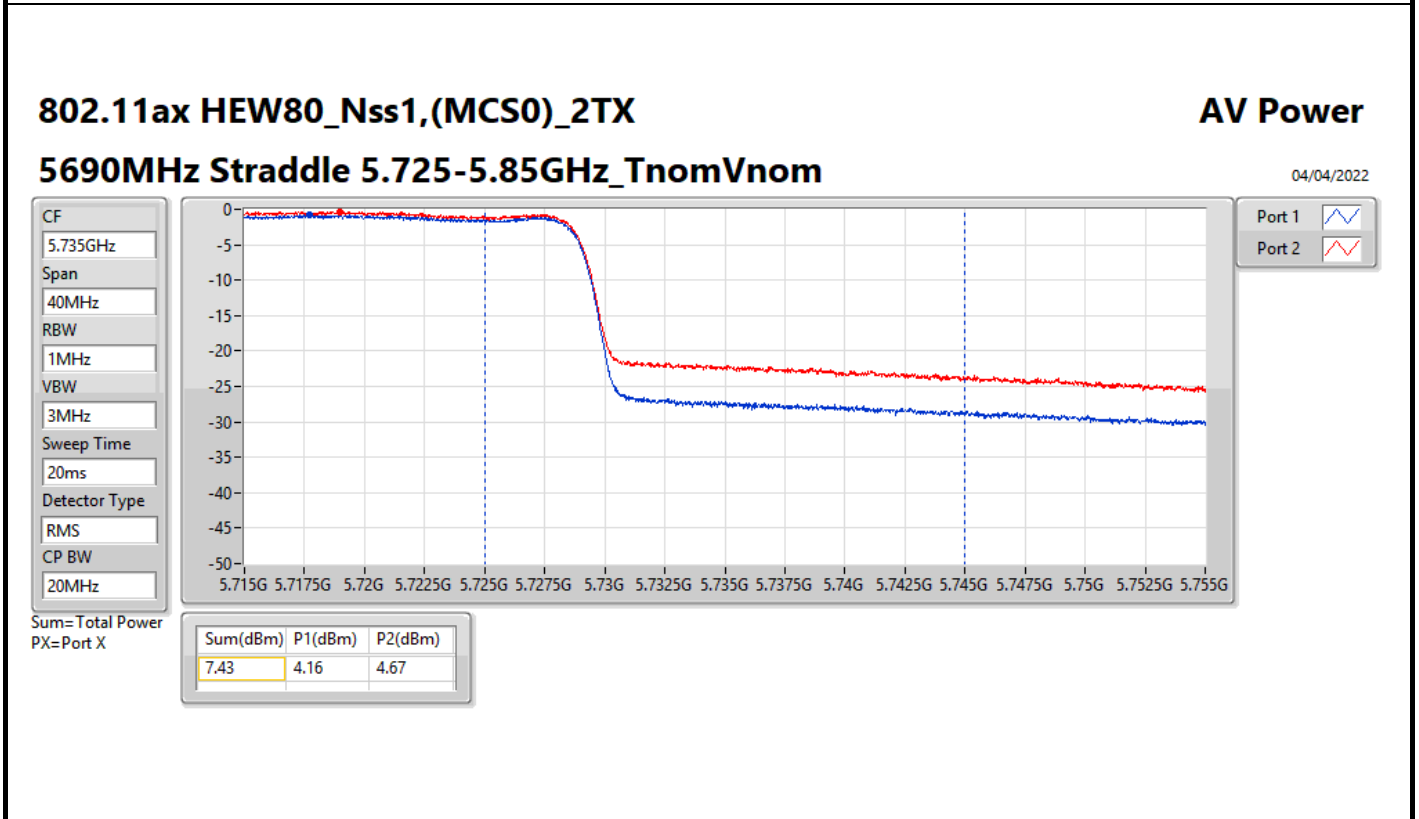
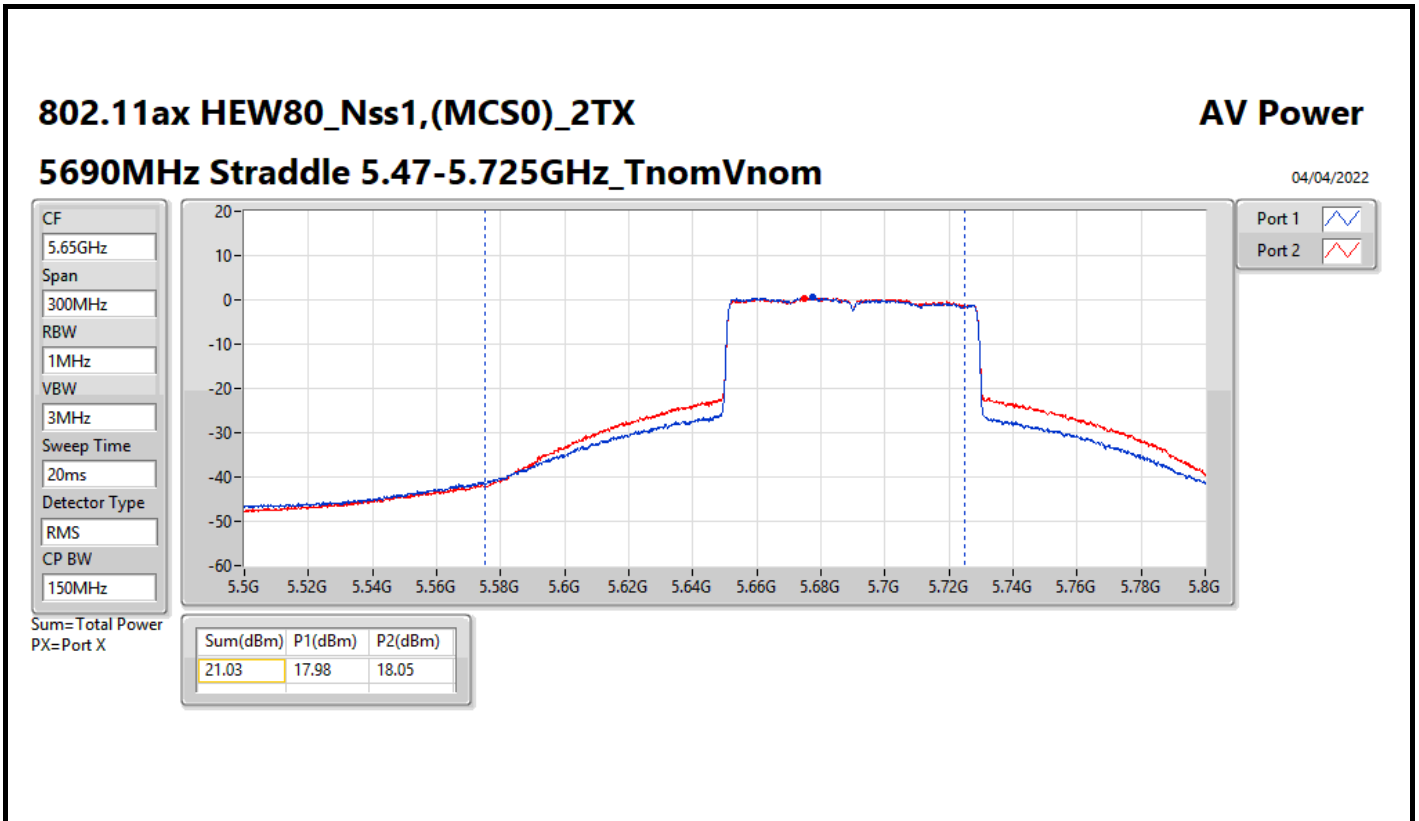
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	3.58	19.93	20.66	23.32	23.98
5300MHz	Pass	3.58	19.86	20.69	23.31	23.98
5320MHz	Pass	3.58	19.86	20.63	23.27	23.98
5500MHz	Pass	3.34	20.08	20.44	23.27	23.98
5580MHz	Pass	3.34	18.79	19.45	22.14	23.98
5700MHz	Pass	3.34	15.86	15.59	18.74	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.34	15.84	16.04	18.95	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	3.30	10.48	10.71	13.61	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	3.58	20.01	20.69	23.37	23.98
5310MHz	Pass	3.58	18.04	18.65	21.37	23.98
5510MHz	Pass	3.34	18.39	18.24	21.33	23.98
5550MHz	Pass	3.34	18.89	18.96	21.94	23.98
5670MHz	Pass	3.34	18.95	18.57	21.77	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.34	17.12	16.65	19.90	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.30	7.19	6.92	10.07	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	3.58	18.15	18.42	21.30	23.98
5530MHz	Pass	3.34	17.56	17.38	20.48	23.98
5610MHz	Pass	3.34	19.13	19.51	22.33	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.34	17.98	18.05	21.03	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.30	4.16	4.67	7.43	30.00

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









Summary

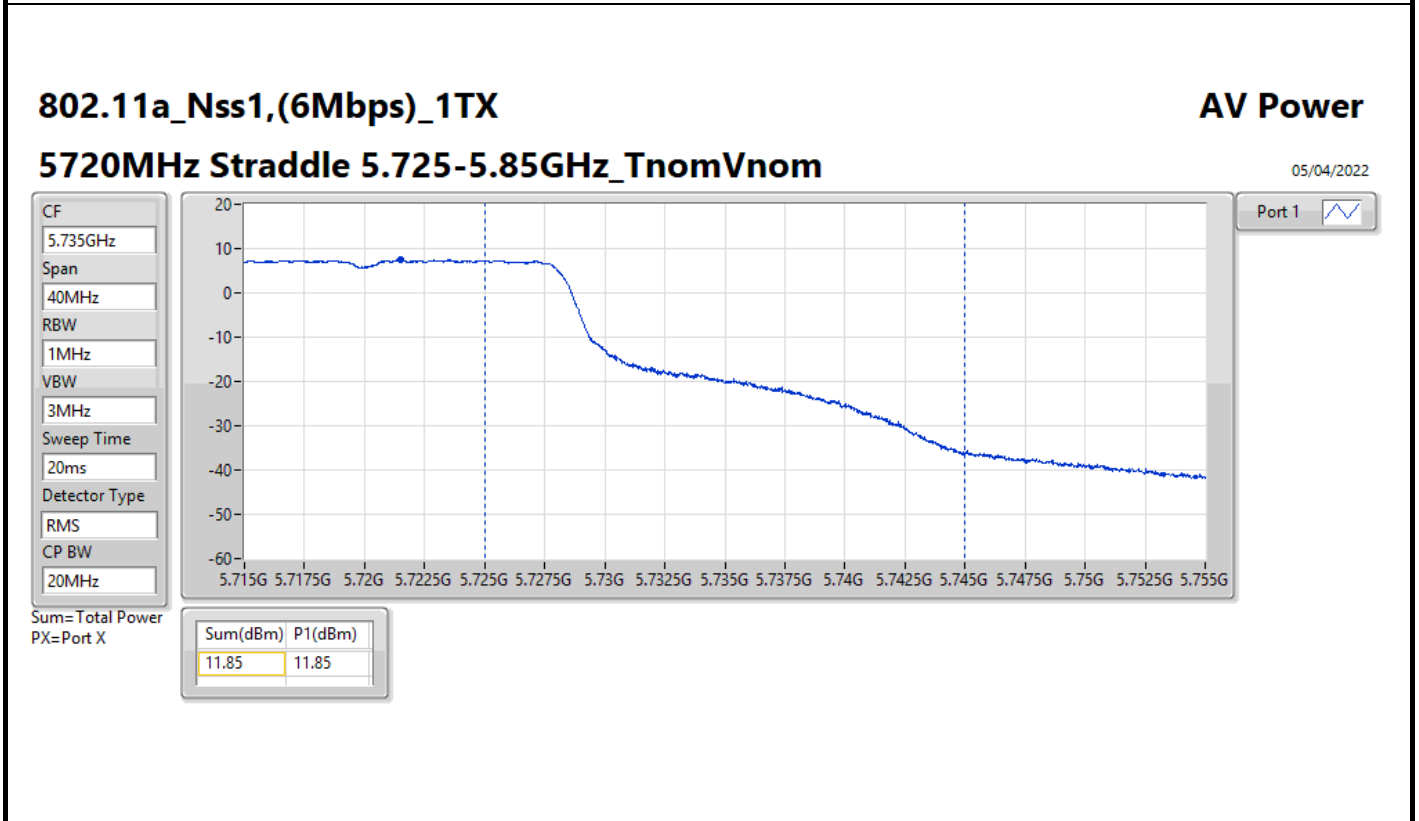
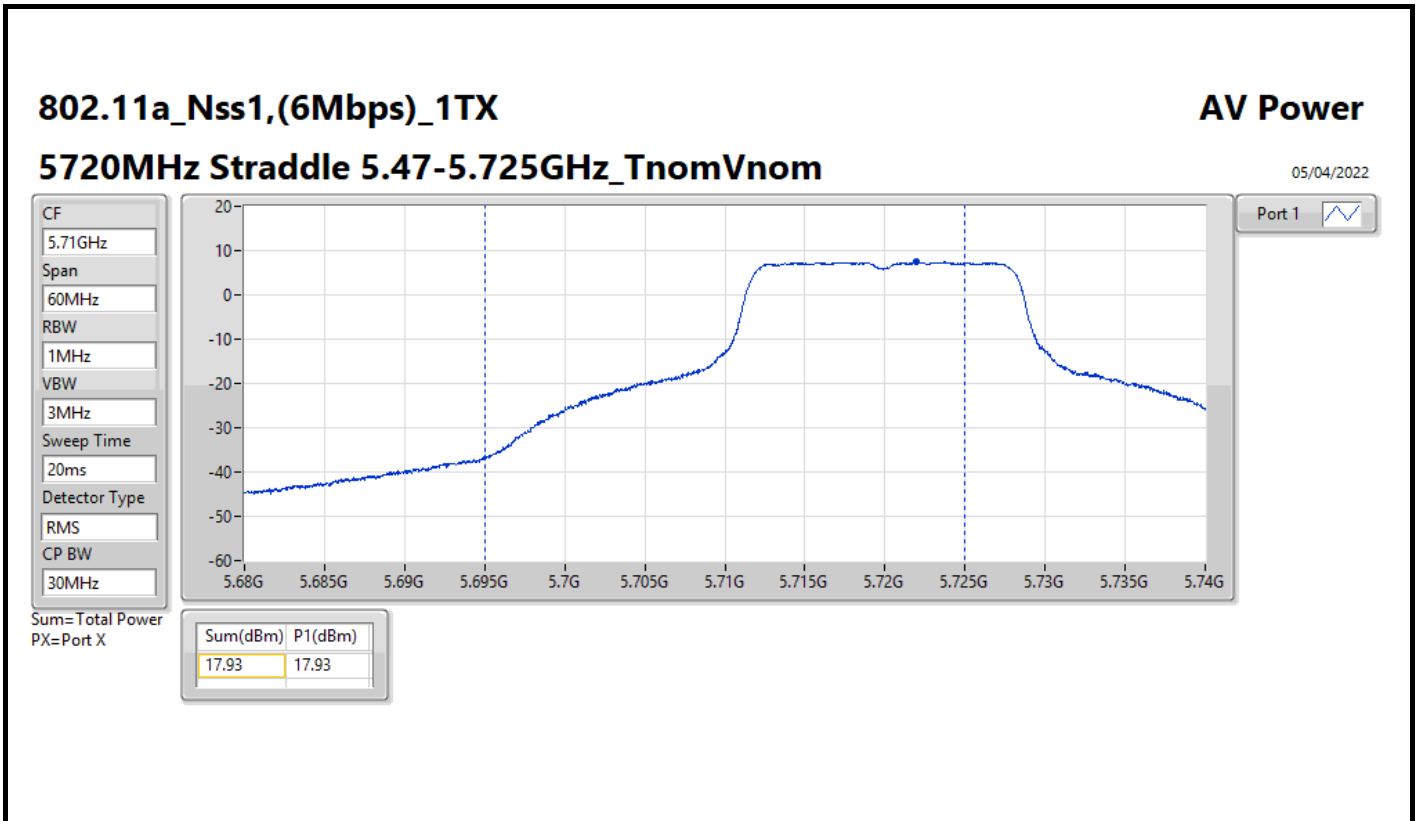
Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	23.70	0.23442
802.11ax HEW20_Nss1,(MCS0)_1TX	23.22	0.20989
802.11ax HEW40_Nss1,(MCS0)_1TX	21.77	0.15031
802.11ax HEW80_Nss1,(MCS0)_1TX	19.97	0.09931
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	21.78	0.15066
802.11ax HEW20_Nss1,(MCS0)_1TX	21.71	0.14825
802.11ax HEW40_Nss1,(MCS0)_1TX	21.64	0.14588
802.11ax HEW80_Nss1,(MCS0)_1TX	19.90	0.09772
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	20.47	0.11143
802.11ax HEW20_Nss1,(MCS0)_1TX	20.38	0.10914
802.11ax HEW40_Nss1,(MCS0)_1TX	19.19	0.08299
802.11ax HEW80_Nss1,(MCS0)_1TX	18.67	0.07362
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	23.55	0.22646
802.11ax HEW20_Nss1,(MCS0)_1TX	23.63	0.23067
802.11ax HEW40_Nss1,(MCS0)_1TX	22.92	0.19588
802.11ax HEW80_Nss1,(MCS0)_1TX	20.84	0.12134

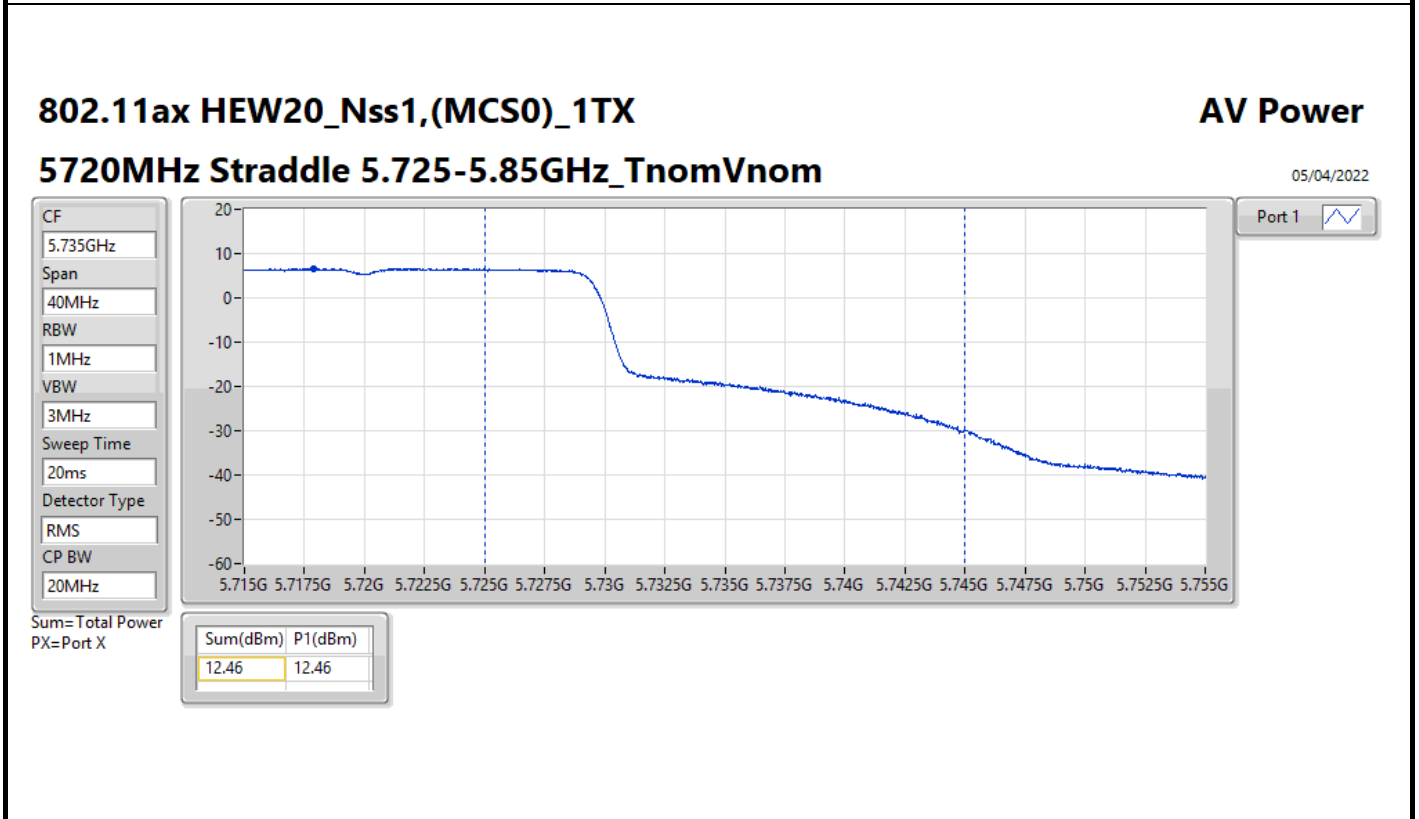
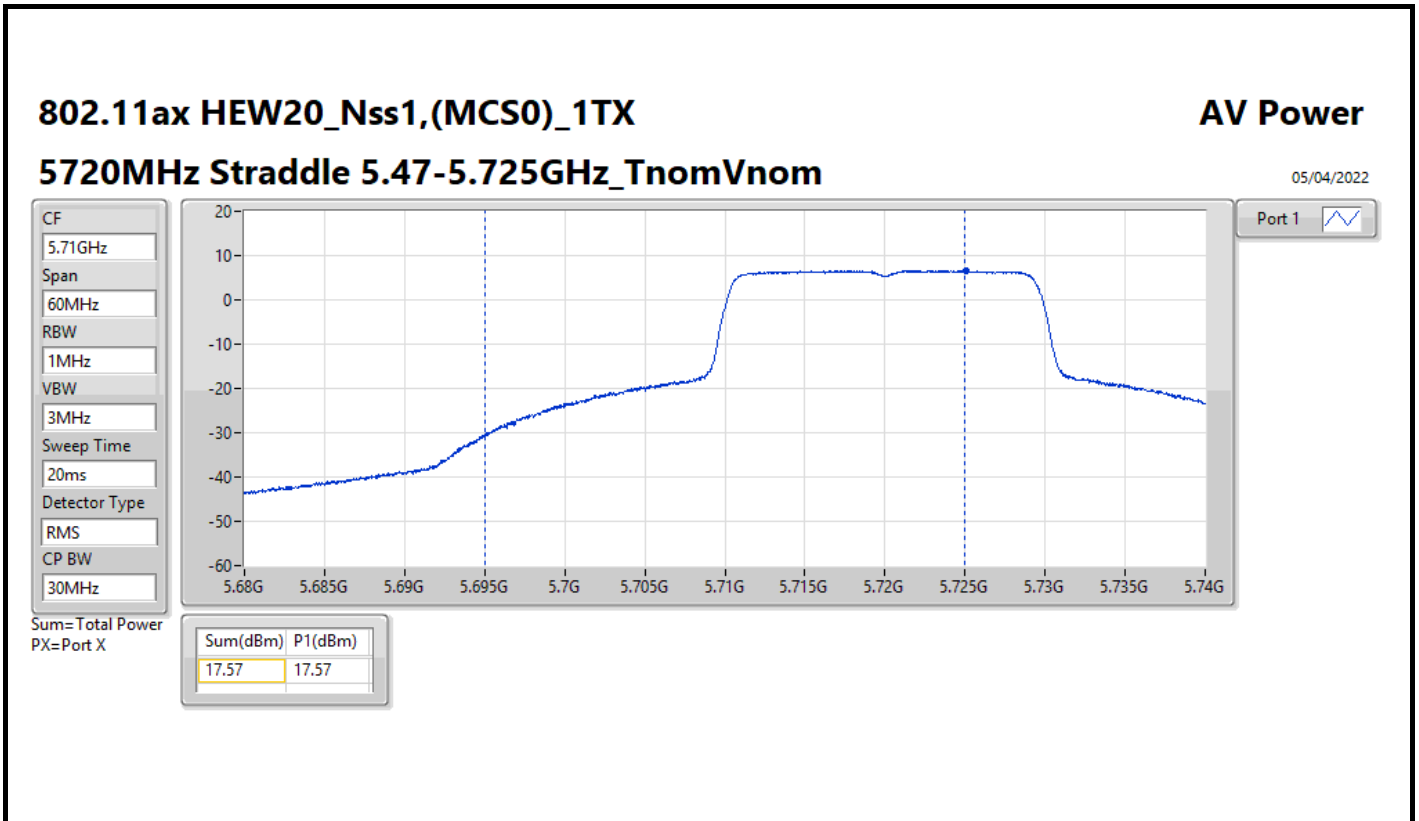


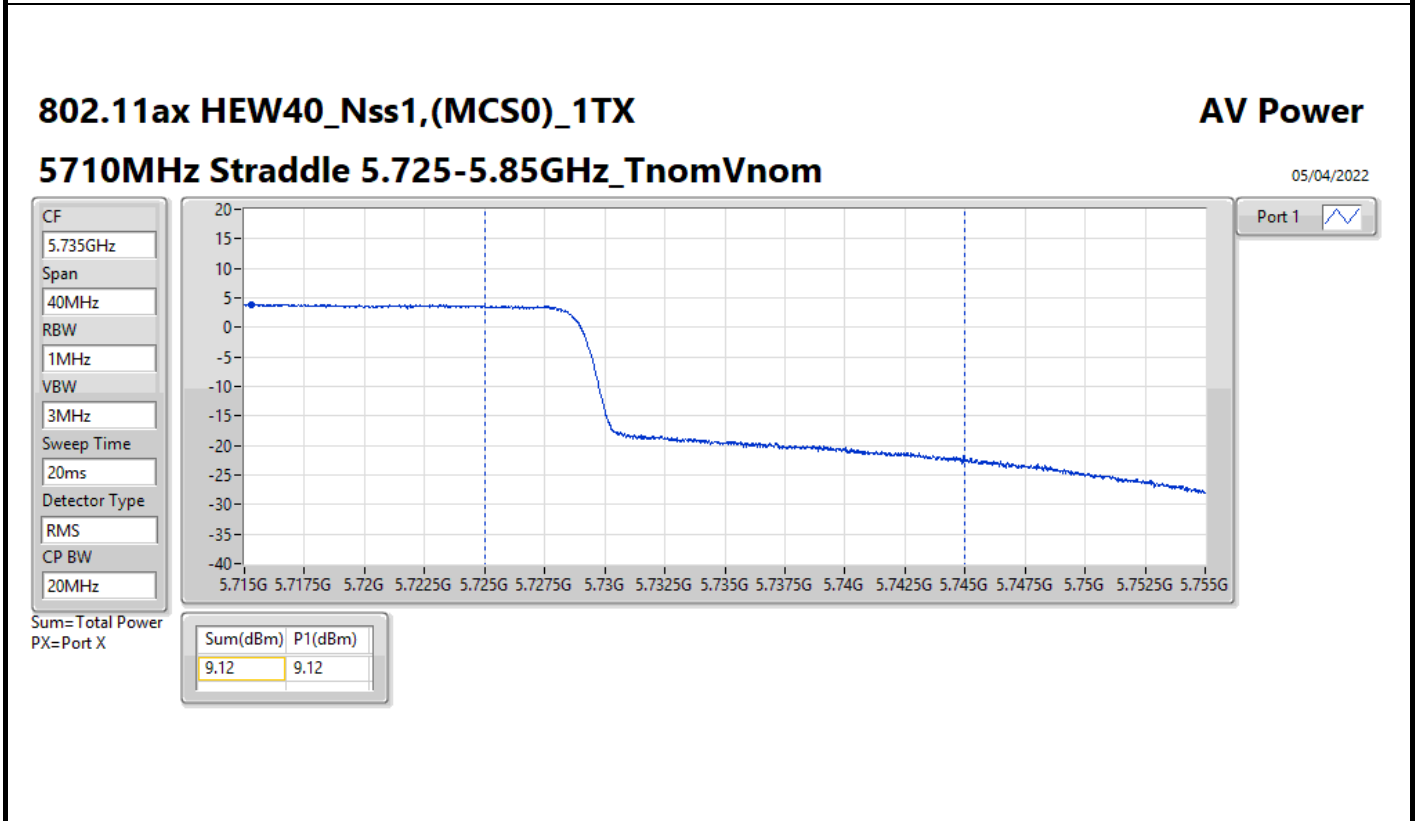
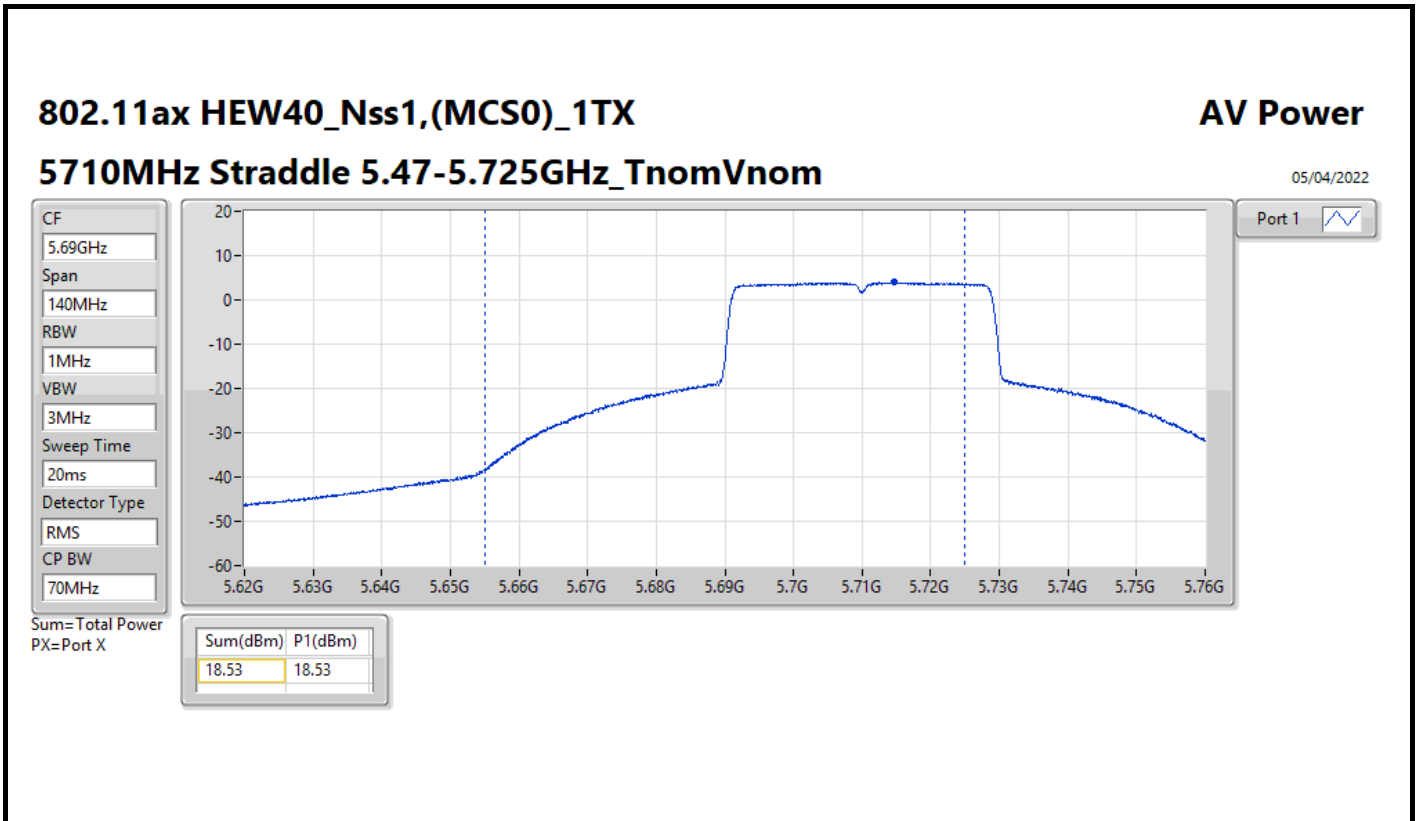
Result

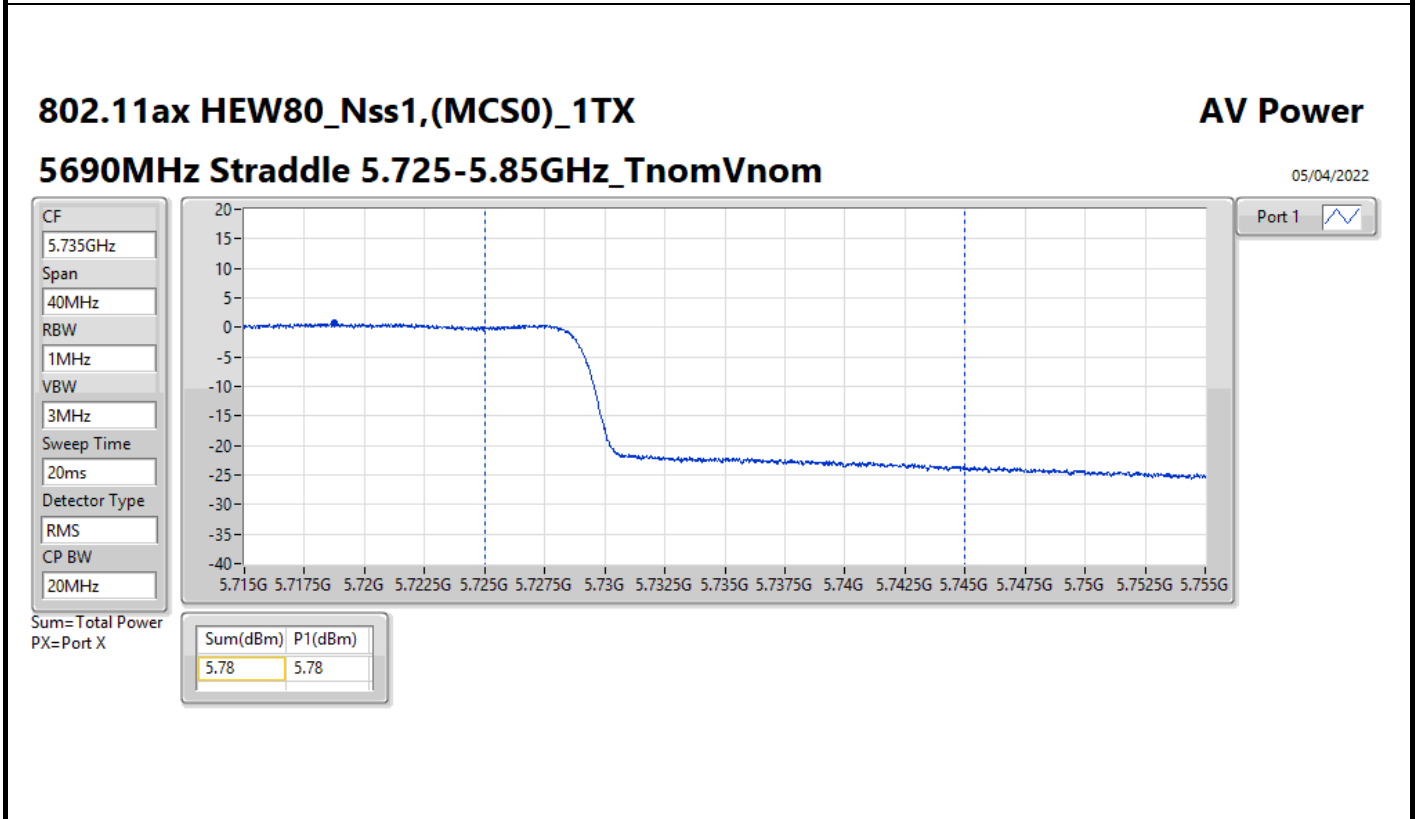
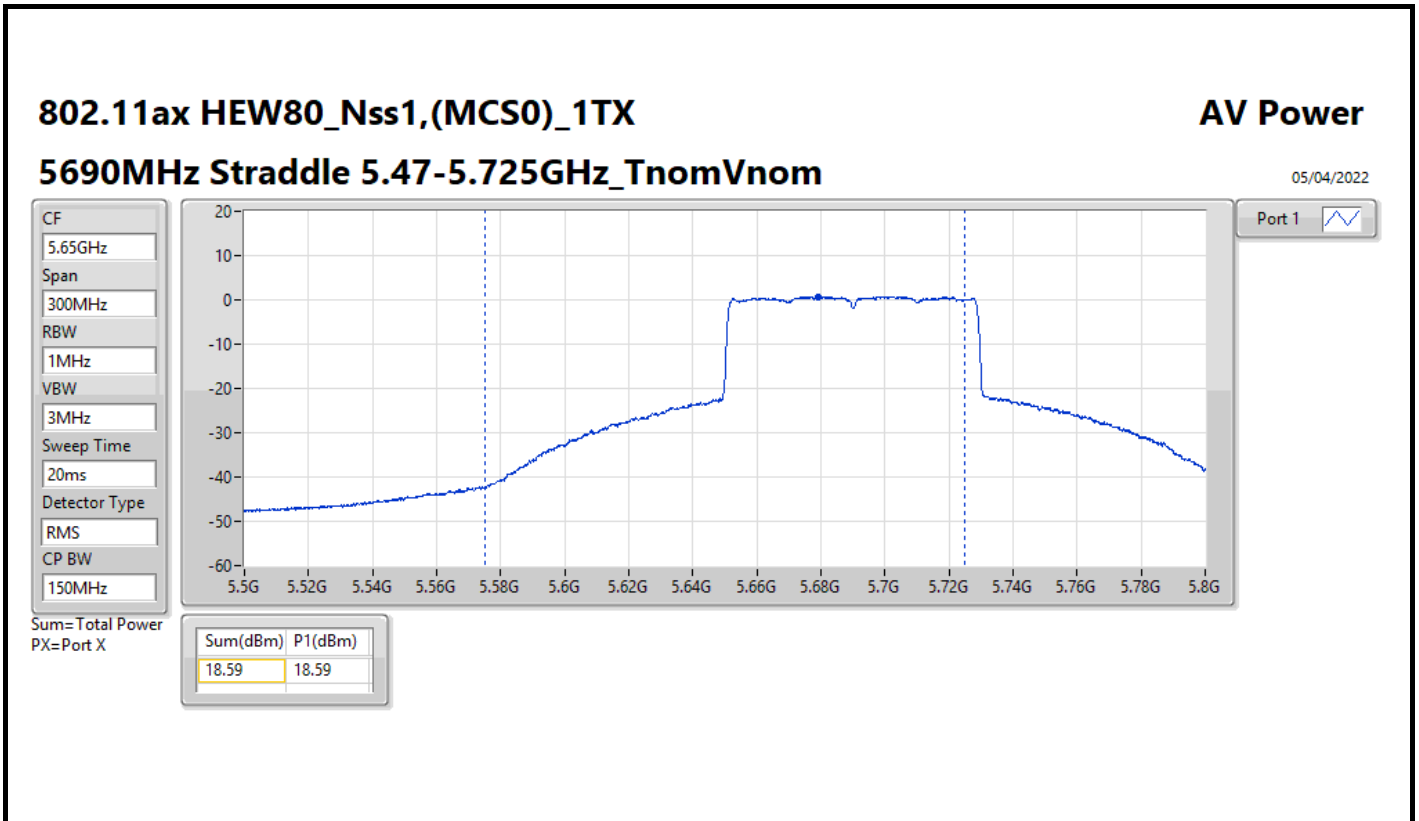
Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	5.80	21.30	21.30	30.00
5200MHz	Pass	5.80	23.70	23.70	30.00
5240MHz	Pass	5.80	21.39	21.39	30.00
5260MHz	Pass	5.80	21.78	21.78	23.98
5300MHz	Pass	5.80	21.54	21.54	23.98
5320MHz	Pass	5.80	21.26	21.26	23.98
5500MHz	Pass	5.50	20.47	20.47	23.98
5580MHz	Pass	5.50	19.29	19.29	23.98
5700MHz	Pass	5.50	16.17	16.17	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.50	17.93	17.93	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	5.60	11.85	11.85	30.00
5745MHz	Pass	5.60	23.23	23.23	30.00
5785MHz	Pass	5.60	23.55	23.55	30.00
5825MHz	Pass	5.60	23.54	23.54	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	5.80	21.22	21.22	30.00
5200MHz	Pass	5.80	23.22	23.22	30.00
5240MHz	Pass	5.80	21.65	21.65	30.00
5260MHz	Pass	5.80	21.71	21.71	23.98
5300MHz	Pass	5.80	21.57	21.57	23.98
5320MHz	Pass	5.80	21.10	21.10	23.98
5500MHz	Pass	5.50	20.38	20.38	23.98
5580MHz	Pass	5.50	19.30	19.30	23.98
5700MHz	Pass	5.50	14.78	14.78	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.50	17.57	17.57	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	5.60	12.46	12.46	30.00
5745MHz	Pass	5.60	23.05	23.05	30.00
5785MHz	Pass	5.60	23.63	23.63	30.00
5825MHz	Pass	5.60	23.55	23.55	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	5.80	19.95	19.95	30.00
5230MHz	Pass	5.80	21.77	21.77	30.00
5270MHz	Pass	5.80	21.64	21.64	23.98
5310MHz	Pass	5.80	19.97	19.97	23.98
5510MHz	Pass	5.50	18.82	18.82	23.98
5550MHz	Pass	5.50	19.19	19.19	23.98
5670MHz	Pass	5.50	18.47	18.47	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.50	18.53	18.53	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.60	9.12	9.12	30.00
5755MHz	Pass	5.60	21.53	21.53	30.00
5795MHz	Pass	5.60	22.92	22.92	30.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	5.80	19.97	19.97	30.00
5290MHz	Pass	5.80	19.90	19.90	23.98
5530MHz	Pass	5.50	18.22	18.22	23.98
5610MHz	Pass	5.50	18.67	18.67	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.50	18.59	18.59	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.60	5.78	5.78	30.00
5775MHz	Pass	5.60	20.84	20.84	30.00

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











Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	12.33
802.11ax HEW20_Nss1,(MCS0)_2TX	11.06
802.11ax HEW40_Nss1,(MCS0)_2TX	6.22
802.11ax HEW80_Nss1,(MCS0)_2TX	1.96
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.23
802.11ax HEW20_Nss1,(MCS0)_2TX	9.66
802.11ax HEW40_Nss1,(MCS0)_2TX	6.30
802.11ax HEW80_Nss1,(MCS0)_2TX	1.77

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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	4.53	8.22	6.37	10.34	17.00
5200MHz	Pass	4.53	10.17	8.42	12.33	17.00
5240MHz	Pass	4.53	7.47	5.92	9.70	17.00
5745MHz	Pass	3.30	7.73	6.79	10.15	30.00
5785MHz	Pass	3.30	7.17	7.51	10.23	30.00
5825MHz	Pass	3.30	6.37	6.13	9.20	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	4.53	6.77	4.99	8.95	17.00
5200MHz	Pass	4.53	8.87	7.15	11.06	17.00
5240MHz	Pass	4.53	6.95	5.32	9.17	17.00
5745MHz	Pass	3.30	7.02	6.08	9.51	30.00
5785MHz	Pass	3.30	6.53	6.81	9.66	30.00
5825MHz	Pass	3.30	5.91	5.52	8.68	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	4.53	1.54	0.89	4.15	17.00
5230MHz	Pass	4.53	3.69	2.81	6.22	17.00
5755MHz	Pass	3.30	3.04	2.00	5.50	30.00
5795MHz	Pass	3.30	3.41	3.25	6.30	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	4.53	-0.83	-1.28	1.96	17.00
5775MHz	Pass	3.30	-0.74	-1.69	1.77	30.00

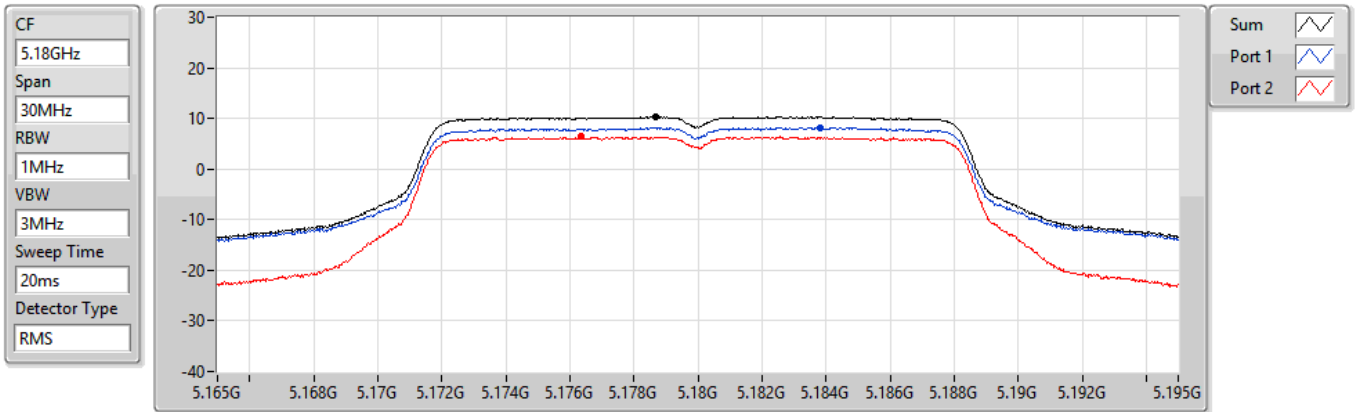
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

04/04/2022



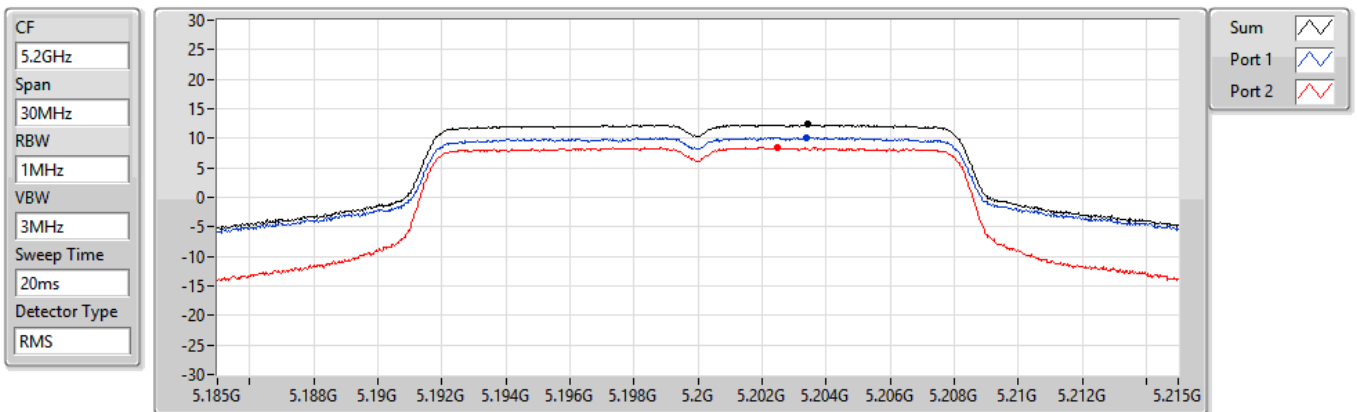
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.34	10.34	8.22	6.37

802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

04/04/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.33	12.33	10.17	8.42

802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

04/04/2022

CF
5.24GHz

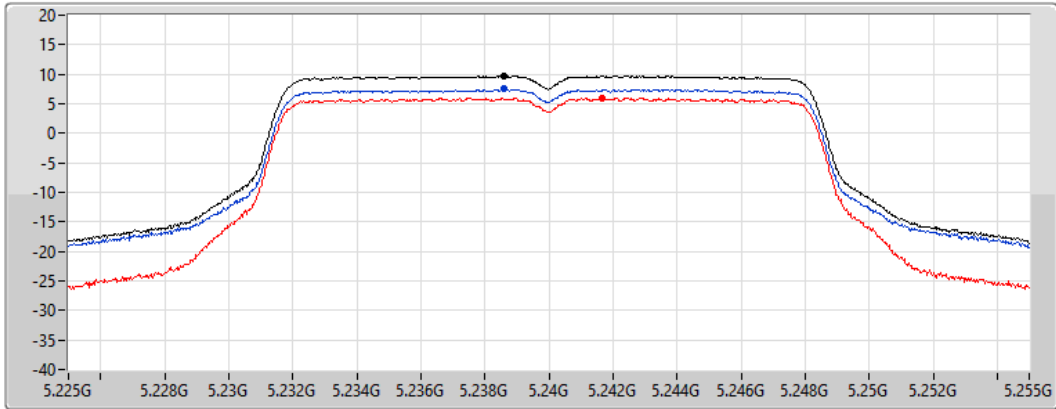
Span
30MHz


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)
9.70	9.70	7.47	5.92

802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

04/04/2022

CF
5.745GHz

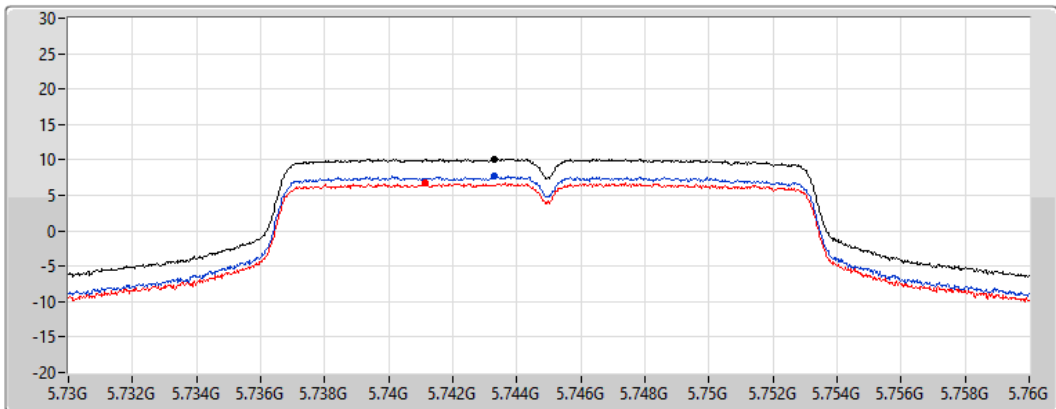
Span
30MHz


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)
10.15	10.15	7.73	6.79

802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

04/04/2022

CF
5.785GHz

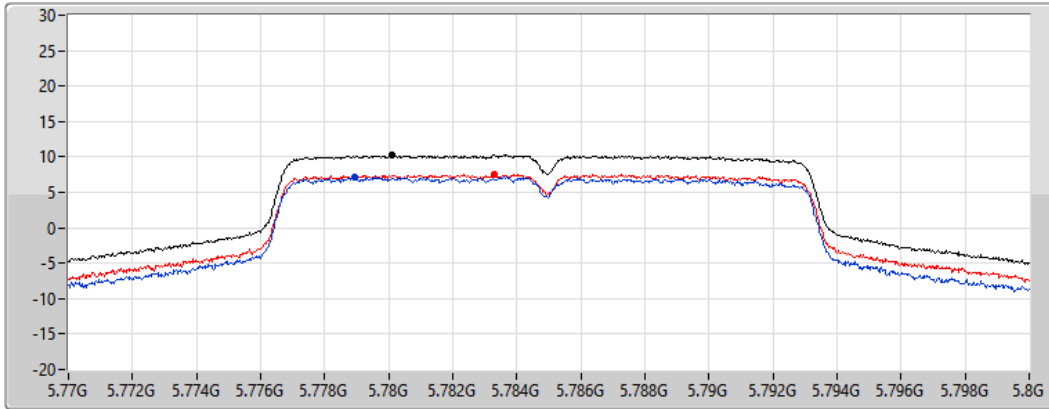
Span
30MHz

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)
10.23	10.23	7.17	7.51

802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

04/04/2022

CF
5.825GHz

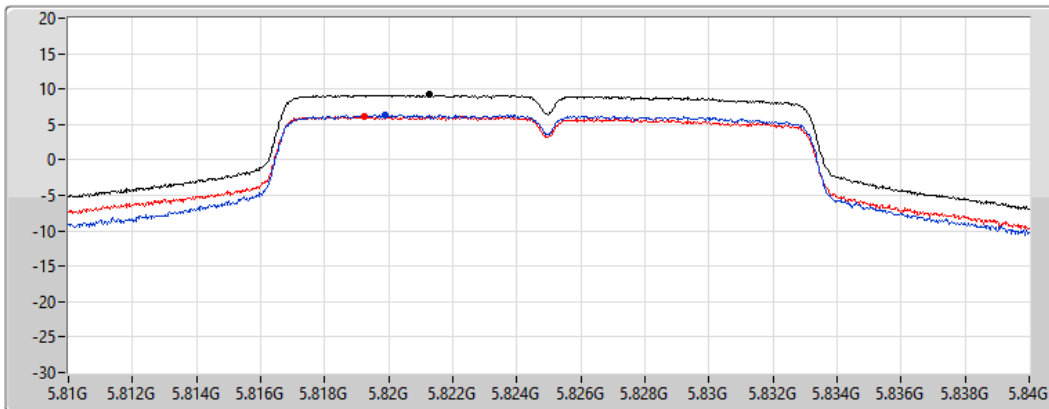
Span
30MHz

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)
9.20	9.20	6.37	6.13

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5180MHz

04/04/2022

CF
5.18GHz

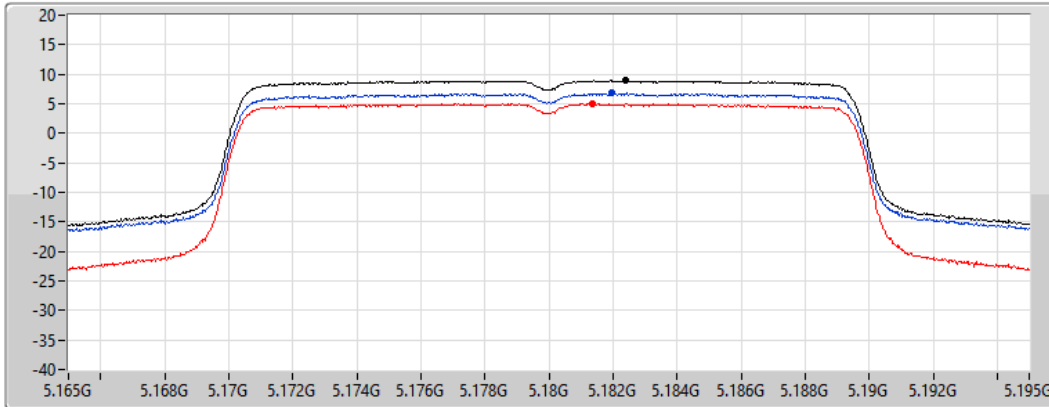
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.95	8.95	6.77	4.99

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5200MHz

04/04/2022

CF
5.2GHz

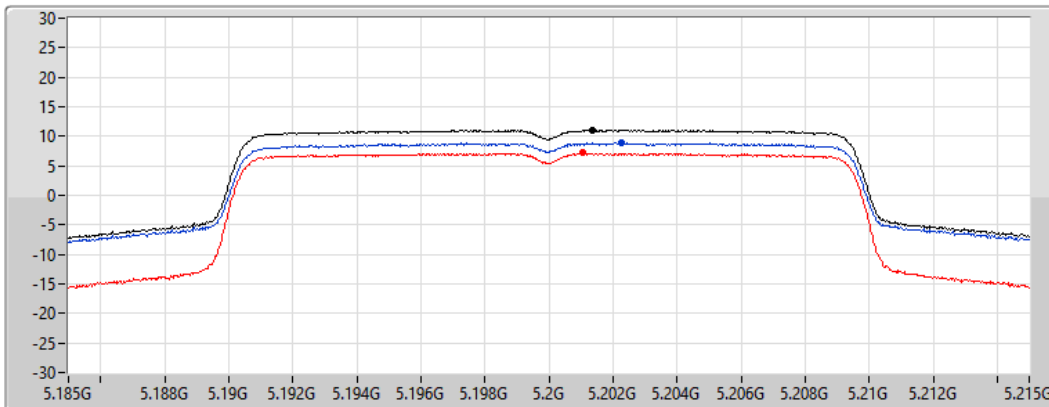
Span
30MHz


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)
11.06	11.06	8.87	7.15

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5240MHz

04/04/2022

CF
5.24GHz

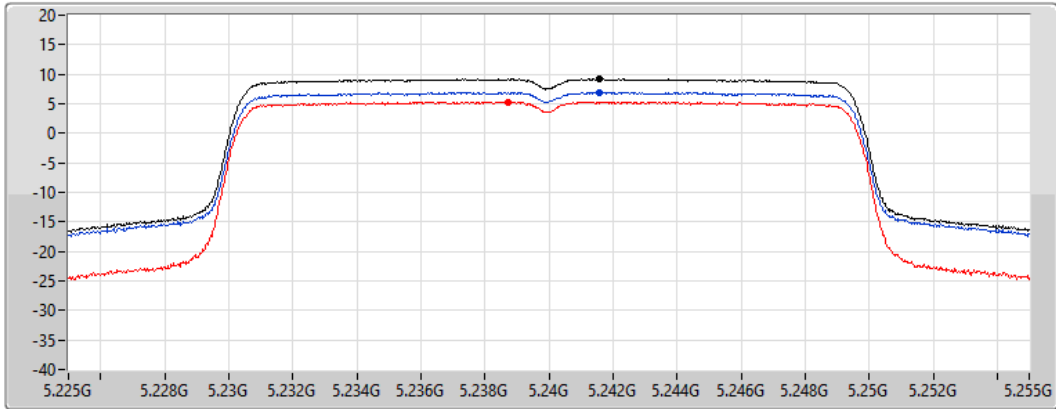
Span
30MHz

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)
9.17	9.17	6.95	5.32

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5745MHz

04/04/2022

CF
5.745GHz

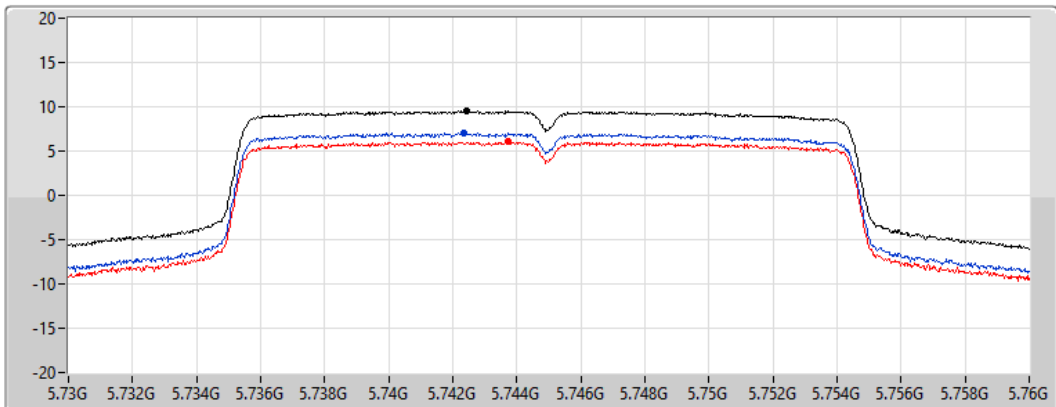
Span
30MHz

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)
9.51	9.51	7.02	6.08

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5785MHz

04/04/2022

CF
5.785GHz

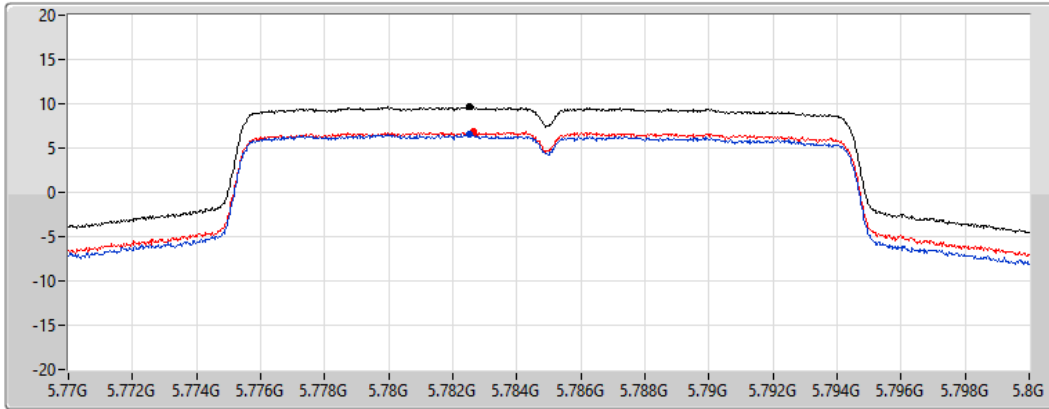
Span
30MHz

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)
9.66	9.66	6.53	6.81

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5825MHz

04/04/2022

CF
5.825GHz

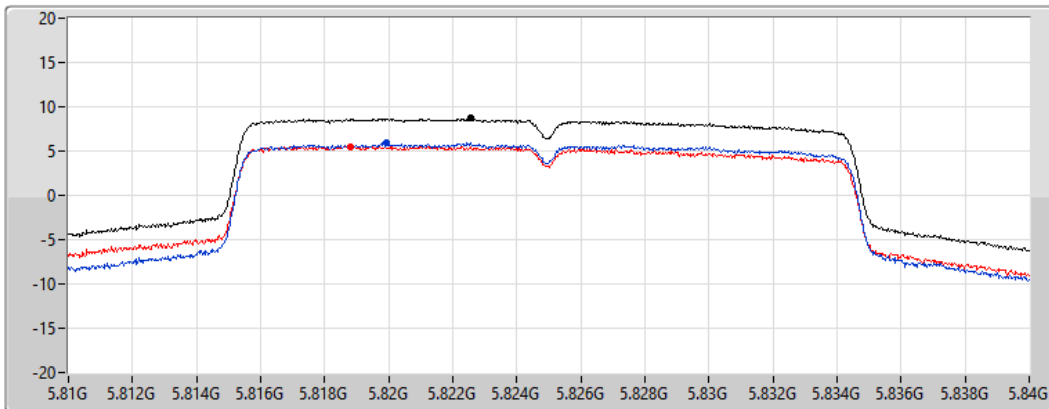
Span
30MHz

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)
8.68	8.68	5.91	5.52

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5190MHz

04/04/2022

CF
5.19GHz

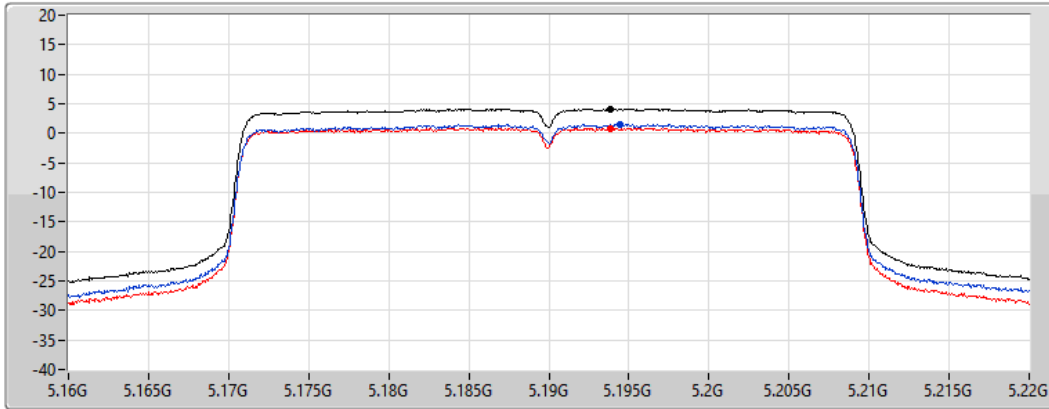
Span
60MHz

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)
4.15	4.15	1.54	0.89

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5230MHz

04/04/2022

CF
5.23GHz

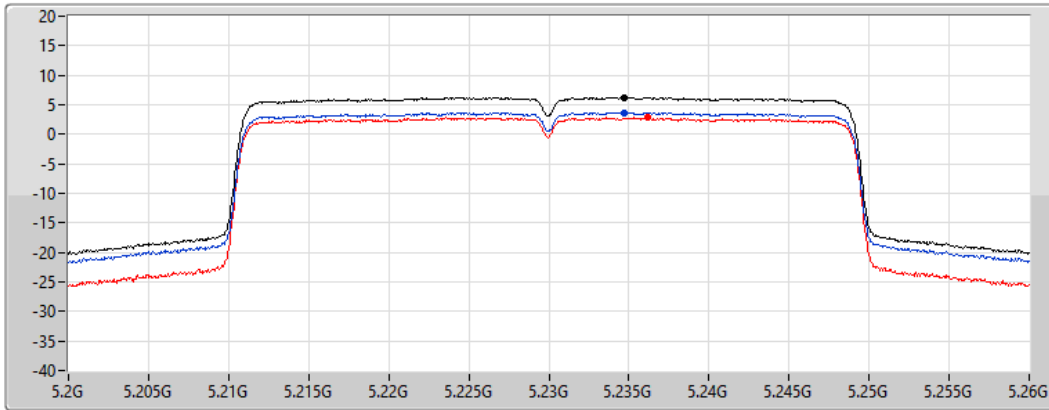
Span
60MHz

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)
6.22	6.22	3.69	2.81

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5755MHz

04/04/2022

CF
5.755GHz

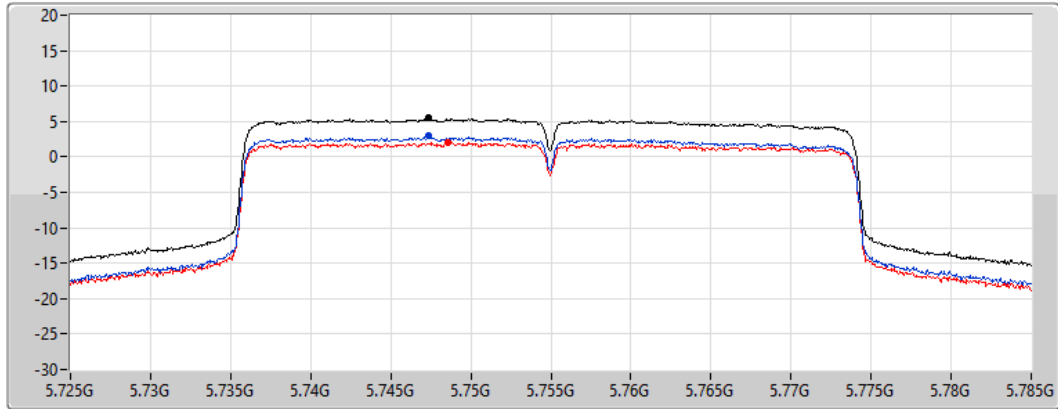
Span
60MHz


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)
5.50	5.50	3.04	2.00

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5795MHz

04/04/2022

CF
5.795GHz

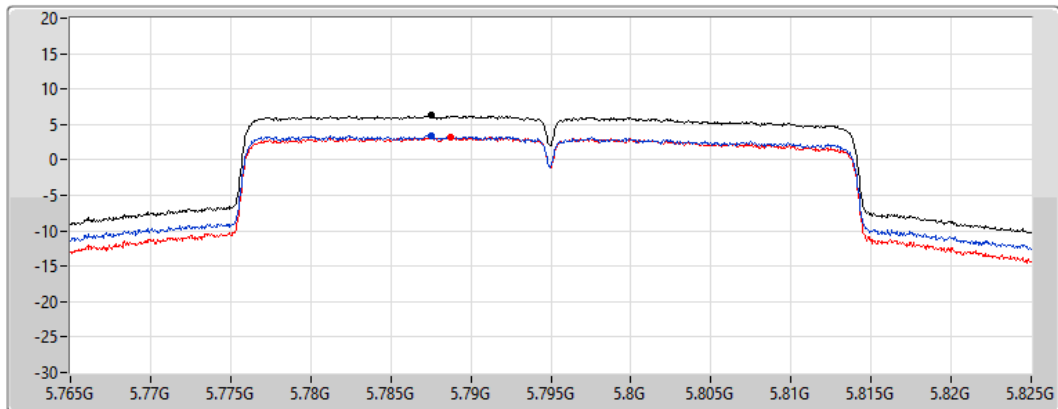
Span
60MHz


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)
6.30	6.30	3.41	3.25

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5210MHz

04/04/2022

CF
5.21GHz

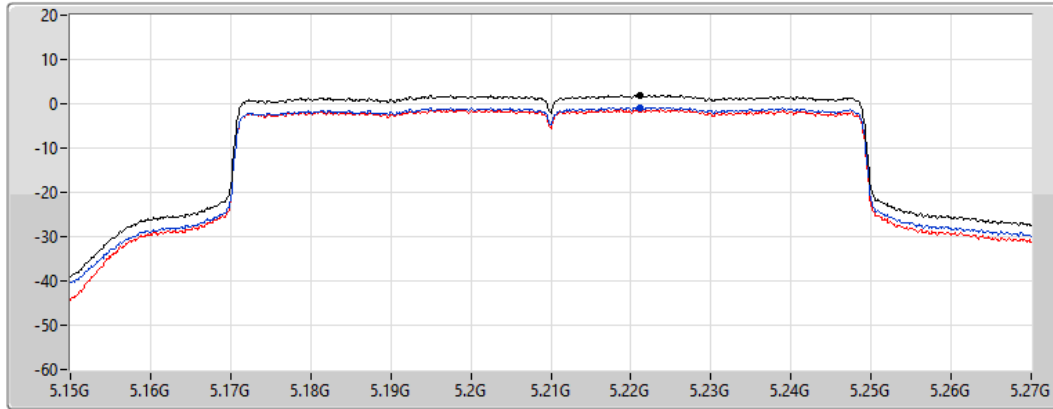
Span
120MHz


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)
1.96	1.96	-0.83	-1.28

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5775MHz

04/04/2022

CF
5.775GHz

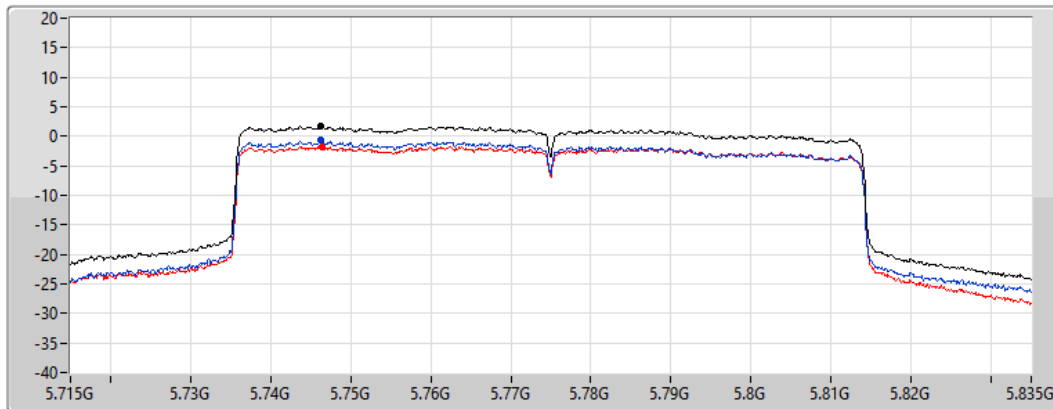
Span
120MHz


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)
1.77	1.77	-0.74	-1.69



Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.72
802.11ax HEW20_Nss1,(MCS0)_2TX	9.70
802.11ax HEW40_Nss1,(MCS0)_2TX	6.93
802.11ax HEW80_Nss1,(MCS0)_2TX	1.99
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_2TX	9.90
802.11ax HEW20_Nss1,(MCS0)_2TX	9.52
802.11ax HEW40_Nss1,(MCS0)_2TX	5.51
802.11ax HEW80_Nss1,(MCS0)_2TX	3.04
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	5.43
802.11ax HEW20_Nss1,(MCS0)_2TX	4.67
802.11ax HEW40_Nss1,(MCS0)_2TX	1.67
802.11ax HEW80_Nss1,(MCS0)_2TX	-0.79

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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	3.58	7.46	8.11	10.72	11.00
5300MHz	Pass	3.58	7.44	7.91	10.60	11.00
5320MHz	Pass	3.58	6.92	7.94	10.36	11.00
5500MHz	Pass	3.34	6.63	7.26	9.90	11.00
5580MHz	Pass	3.34	5.94	6.80	9.31	11.00
5700MHz	Pass	3.34	4.25	4.69	7.41	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.34	4.21	4.32	7.22	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.30	2.38	2.63	5.43	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	3.58	6.44	7.03	9.70	11.00
5300MHz	Pass	3.58	6.21	6.96	9.56	11.00
5320MHz	Pass	3.58	6.32	6.94	9.60	11.00
5500MHz	Pass	3.34	6.46	6.71	9.52	11.00
5580MHz	Pass	3.34	5.27	5.78	8.51	11.00
5700MHz	Pass	3.34	2.20	1.90	5.01	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.34	3.30	3.50	6.39	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.30	1.52	1.80	4.67	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	3.58	3.72	4.27	6.93	11.00
5310MHz	Pass	3.58	1.38	2.05	4.70	11.00
5510MHz	Pass	3.34	1.88	1.63	4.66	11.00
5550MHz	Pass	3.34	2.54	2.58	5.51	11.00
5670MHz	Pass	3.34	2.49	1.95	5.17	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.34	1.08	0.67	3.80	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	3.30	-1.16	-1.43	1.67	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	3.58	-1.13	-0.92	1.99	11.00
5530MHz	Pass	3.34	-1.75	-1.92	1.04	11.00
5610MHz	Pass	3.34	-0.08	0.45	3.04	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.34	-0.88	-1.06	1.93	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.30	-4.00	-3.52	-0.79	30.00

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

5260MHz

04/04/2022

CF
5.26GHz

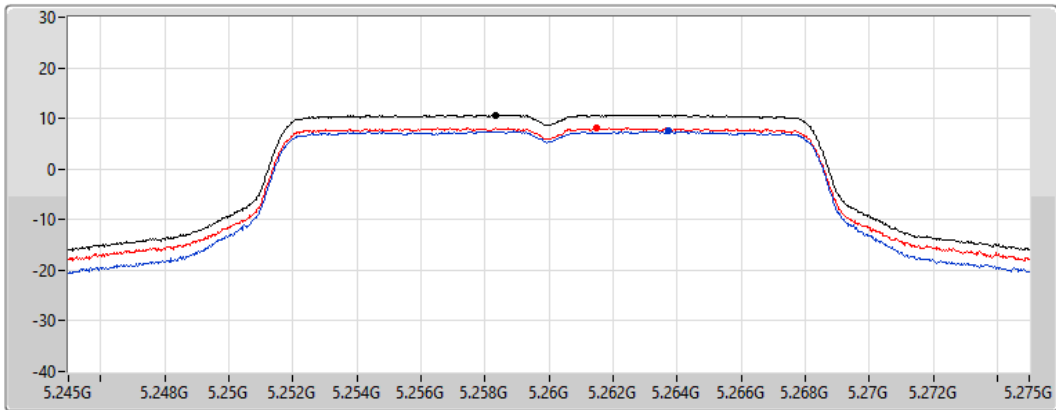
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.72	10.72	7.46	8.11

802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

04/04/2022

CF
5.3GHz

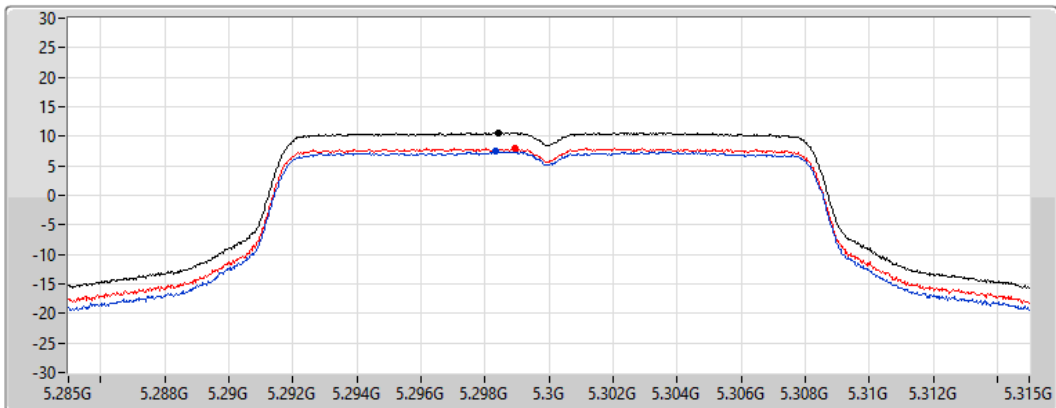
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.60	10.60	7.44	7.91

802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

04/04/2022

CF
5.32GHz

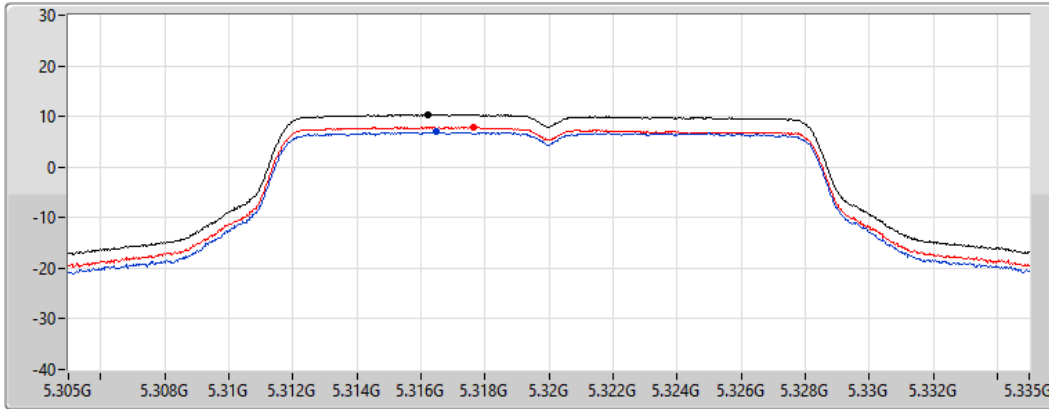
Span
30MHz

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)
10.36	10.36	6.92	7.94

802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

04/04/2022

CF
5.5GHz

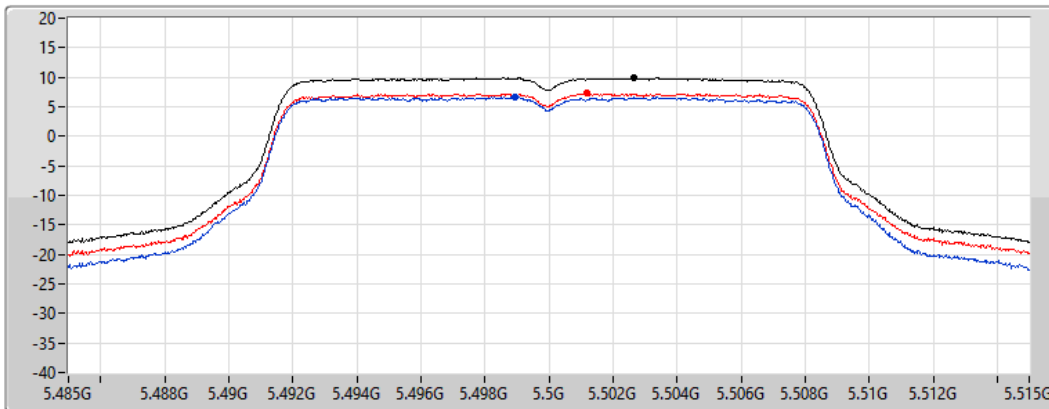
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.90	9.90	6.63	7.26

802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

04/04/2022

CF
5.58GHz

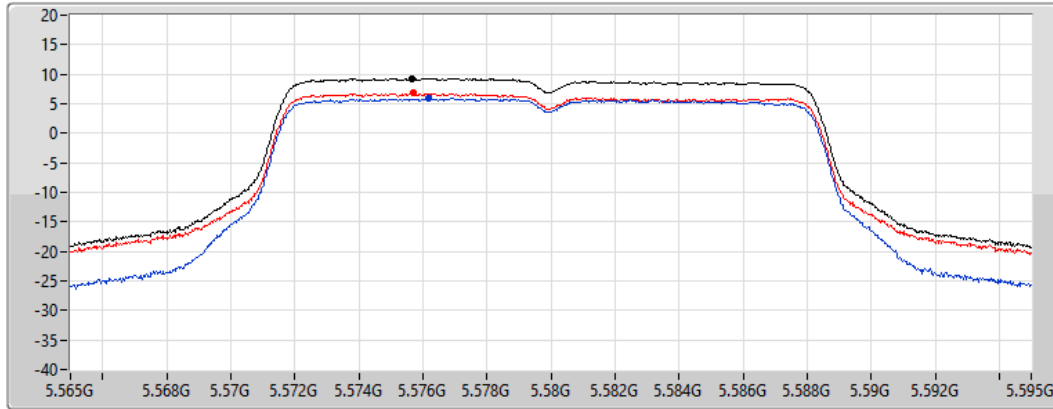
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.31	9.31	5.94	6.80

802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

04/04/2022

CF
5.7GHz

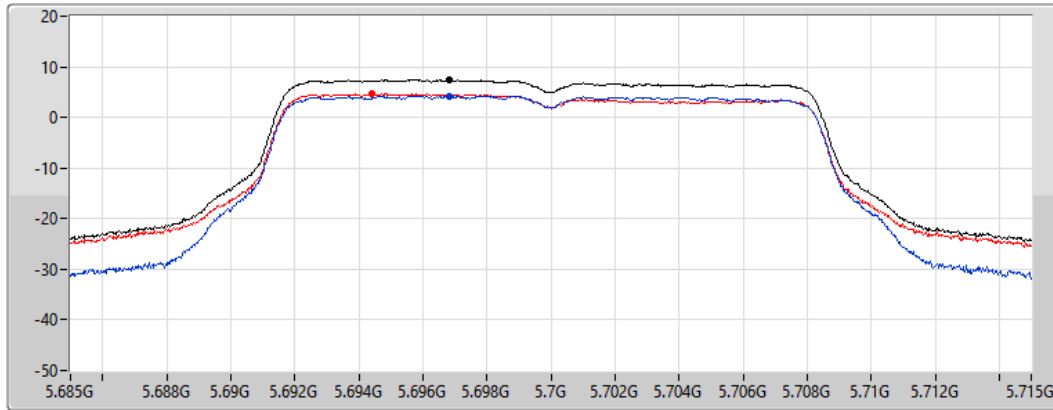
Span
30MHz


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)
7.41	7.41	4.25	4.69

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz

PSD

04/04/2022

CF
5.71GHz

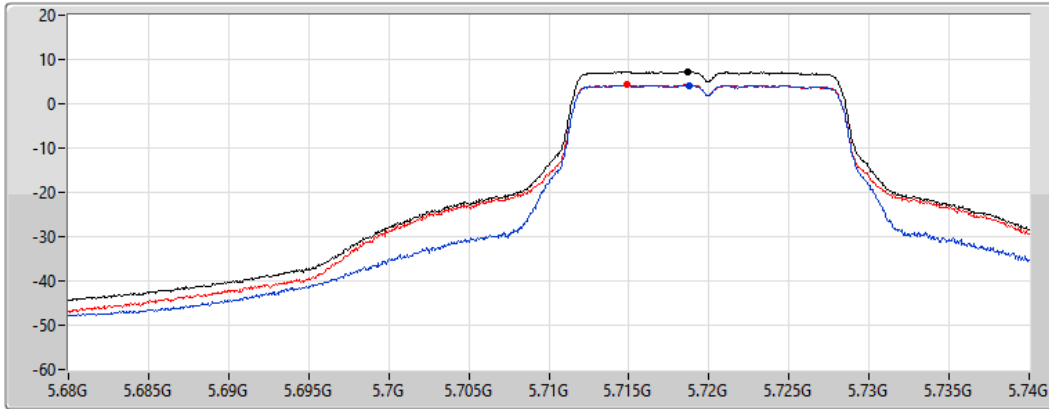
Span
60MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.22	7.22	4.21	4.32

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.725-5.85GHz

PSD

04/04/2022

CF
5.735GHz

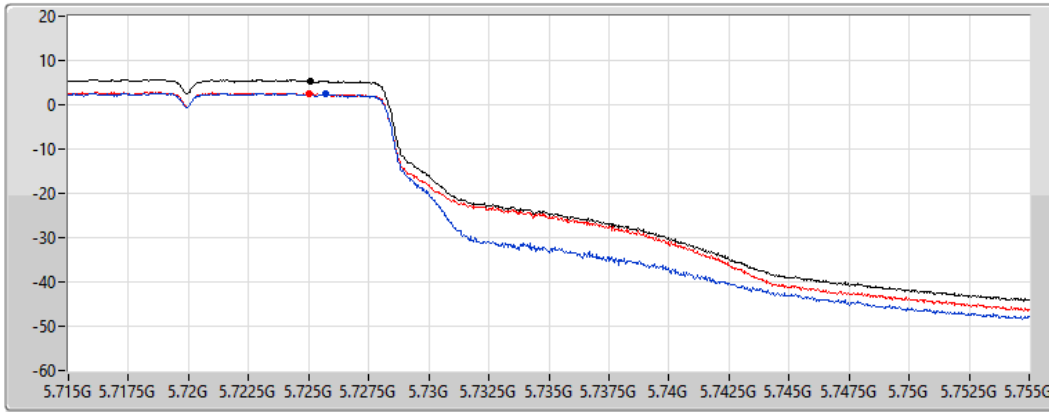
Span
40MHz


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)
5.43	5.43	2.38	2.63

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5260MHz

04/04/2022

CF
5.26GHz

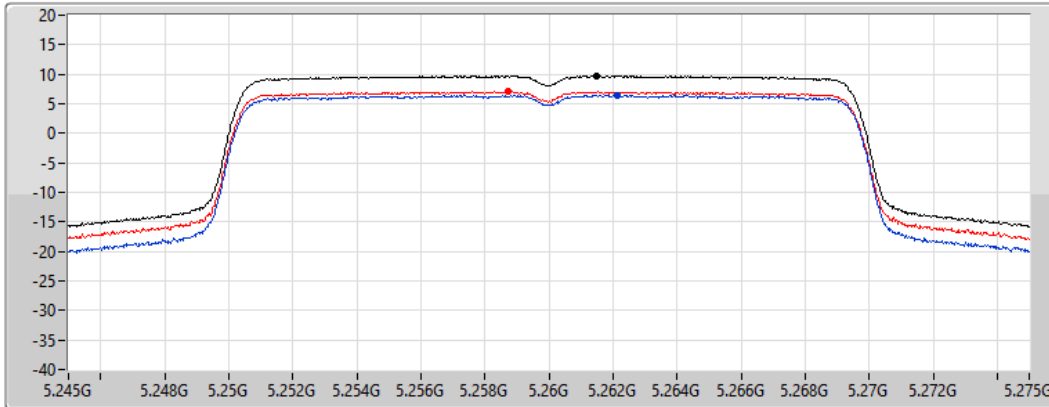
Span
30MHz


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)
9.70	9.70	6.44	7.03

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5300MHz

04/04/2022

CF
5.3GHz

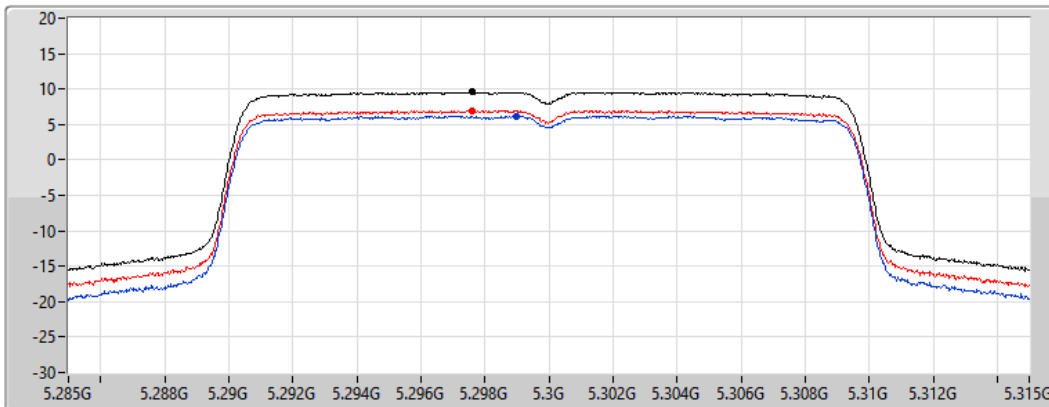
Span
30MHz


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)
9.56	9.56	6.21	6.96

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5320MHz

04/04/2022

CF
5.32GHz

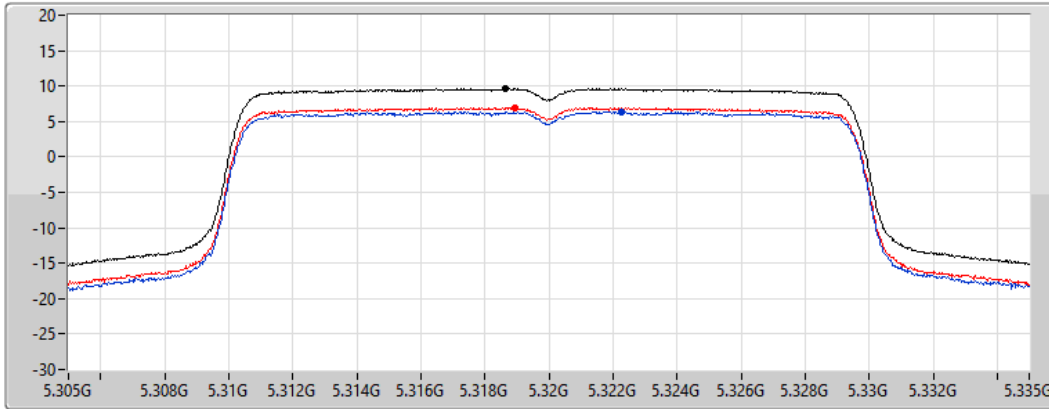
Span
30MHz


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)
9.60	9.60	6.32	6.94

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5500MHz

04/04/2022

CF
5.5GHz

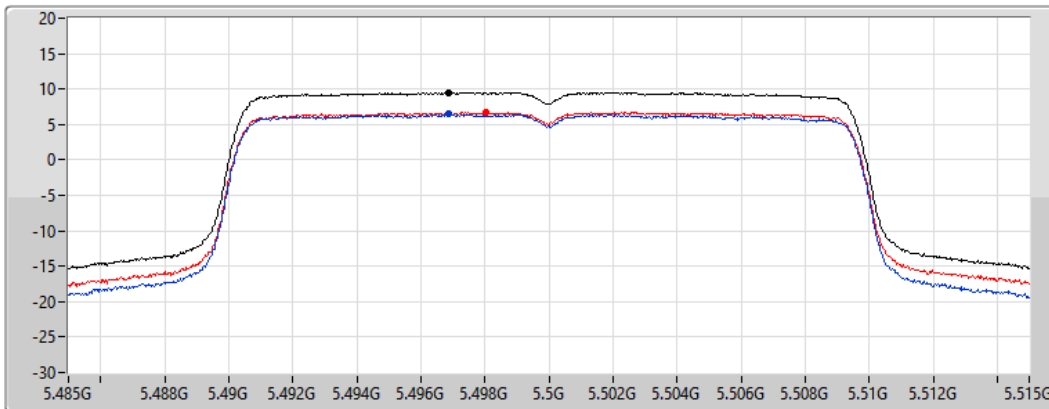
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.52	9.52	6.46	6.71

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5580MHz

04/04/2022

CF
5.58GHz

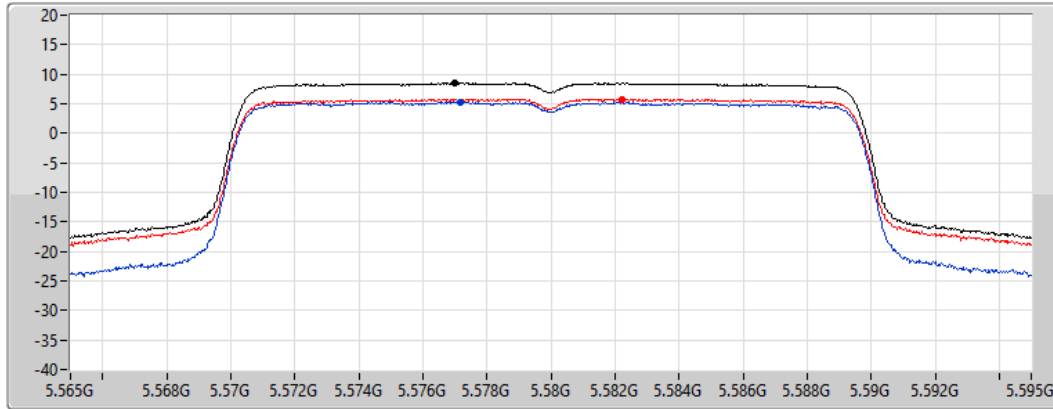
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.51	8.51	5.27	5.78

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5700MHz

04/04/2022

CF
5.7GHz

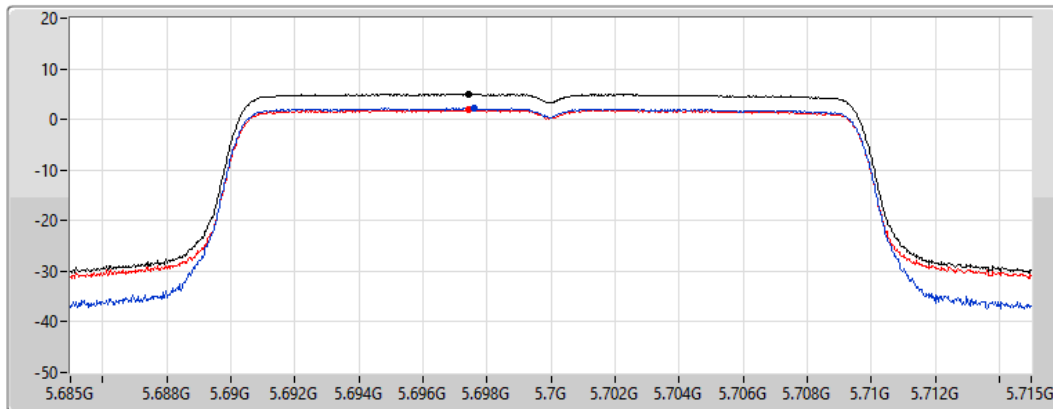
Span
30MHz


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)
5.01	5.01	2.20	1.90

802.11ax HEW20_Nss1,(MCS0)_2TX
5720MHz Straddle 5.47-5.725GHz

PSD

04/04/2022

CF
5.71GHz

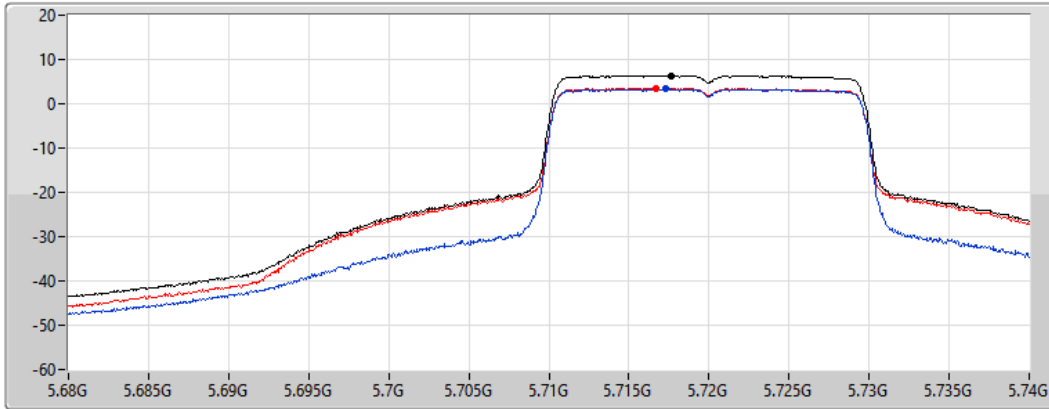
Span
60MHz


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)
6.39	6.39	3.30	3.50

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

PSD

04/04/2022

CF
5.735GHz

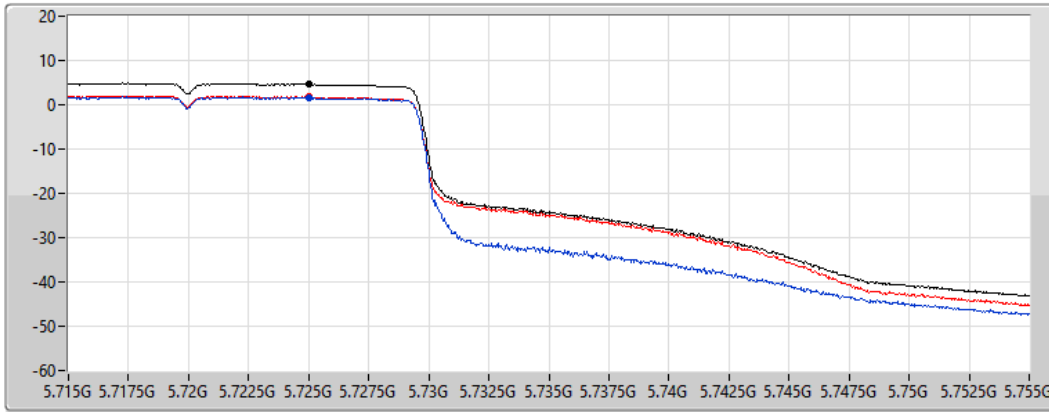
Span
40MHz


RBW
500kHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.67	4.67	1.52	1.80

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5270MHz

04/04/2022

CF
5.27GHz

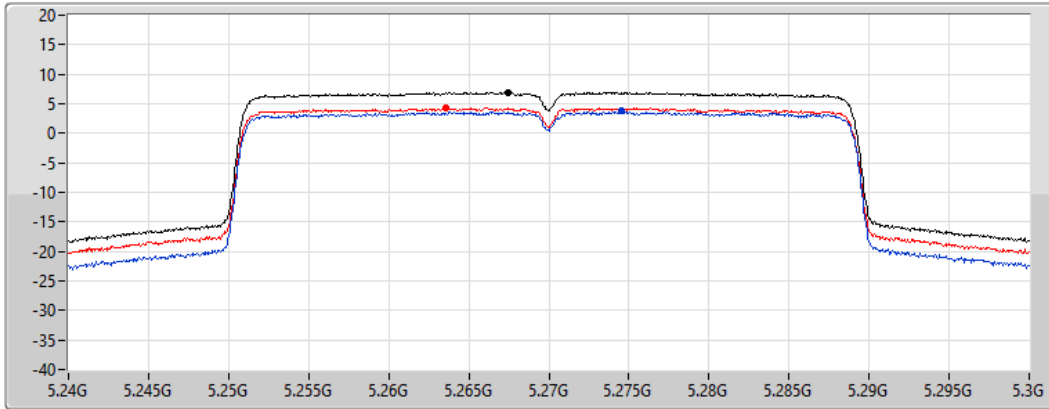
Span
60MHz


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)
6.93	6.93	3.72	4.27

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5310MHz

04/04/2022

CF
5.31GHz

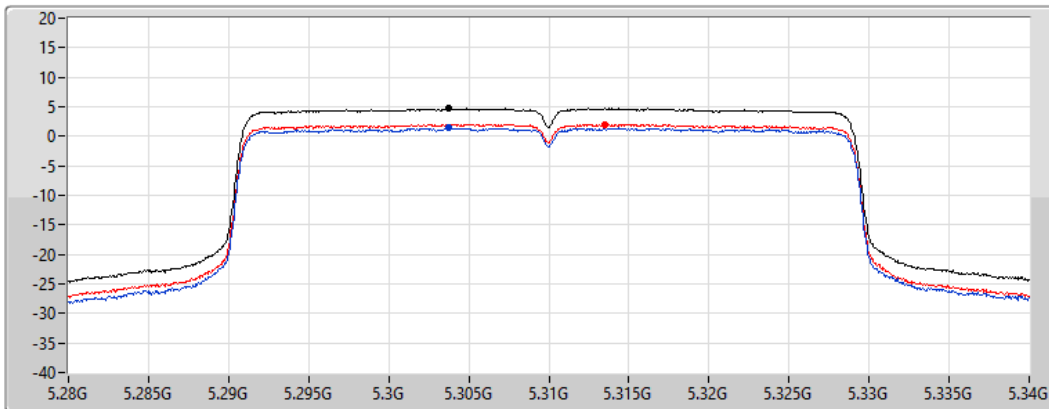
Span
60MHz


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)
4.70	4.70	1.38	2.05

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5510MHz

04/04/2022

CF
5.51GHz

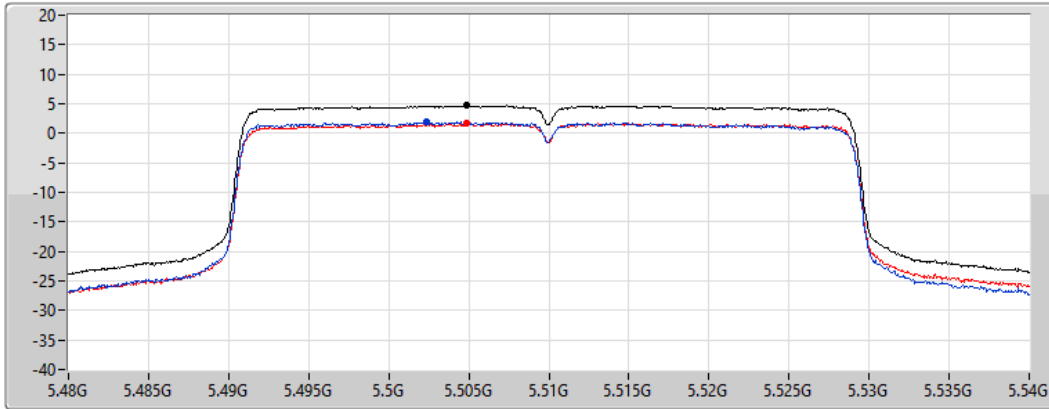
Span
60MHz


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)
4.66	4.66	1.88	1.63

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5550MHz

04/04/2022

CF
5.55GHz

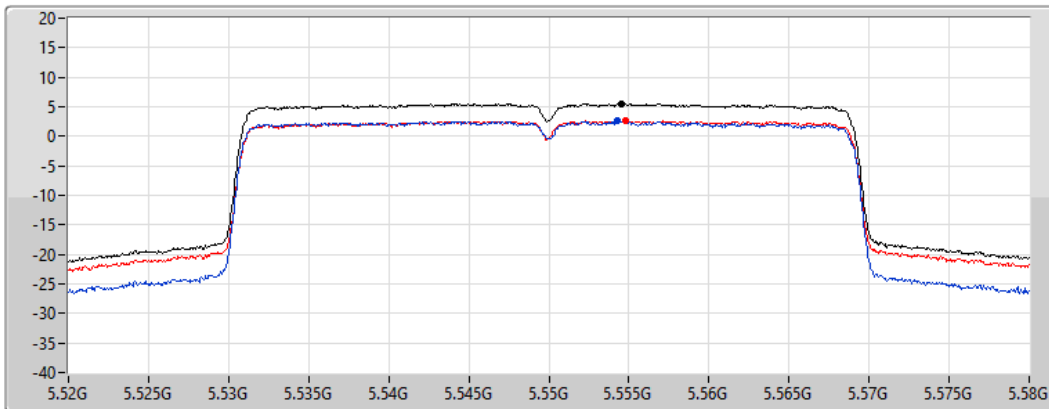
Span
60MHz


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)
5.51	5.51	2.54	2.58

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5670MHz

04/04/2022

CF
5.67GHz

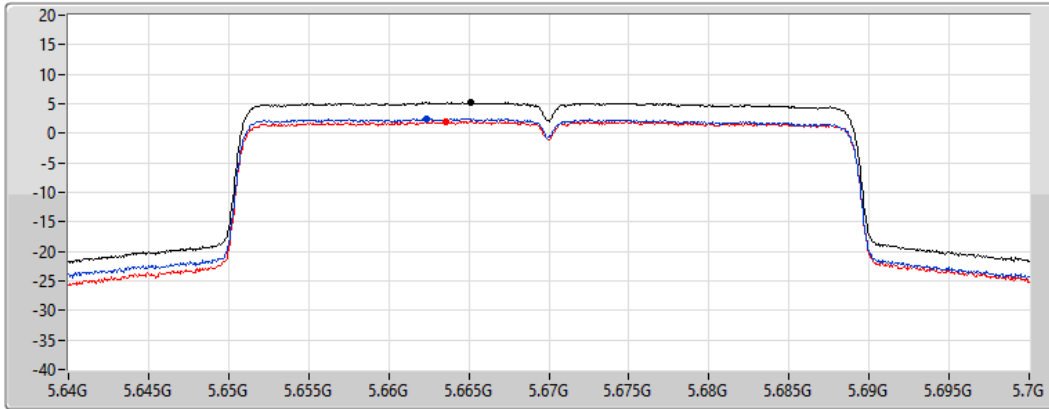
Span
60MHz


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)
5.17	5.17	2.49	1.95

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

04/04/2022

CF
5.69GHz

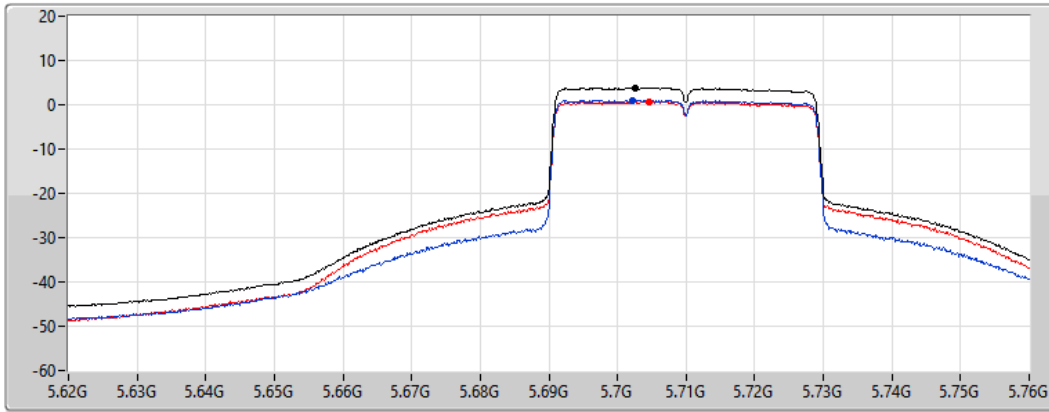
Span
140MHz


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)
3.80	3.80	1.08	0.67

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

04/04/2022

CF
5.735GHz

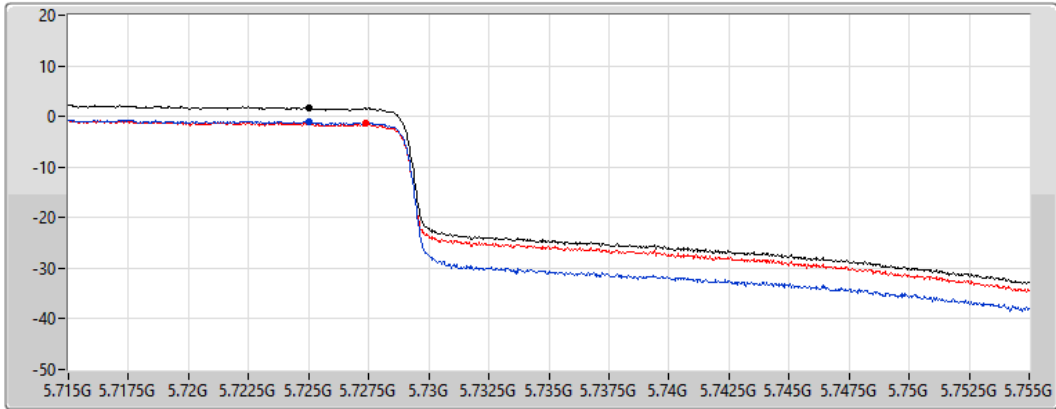
Span
40MHz


RBW
500kHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.67	1.67	-1.16	-1.43

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5290MHz

04/04/2022

CF
5.29GHz

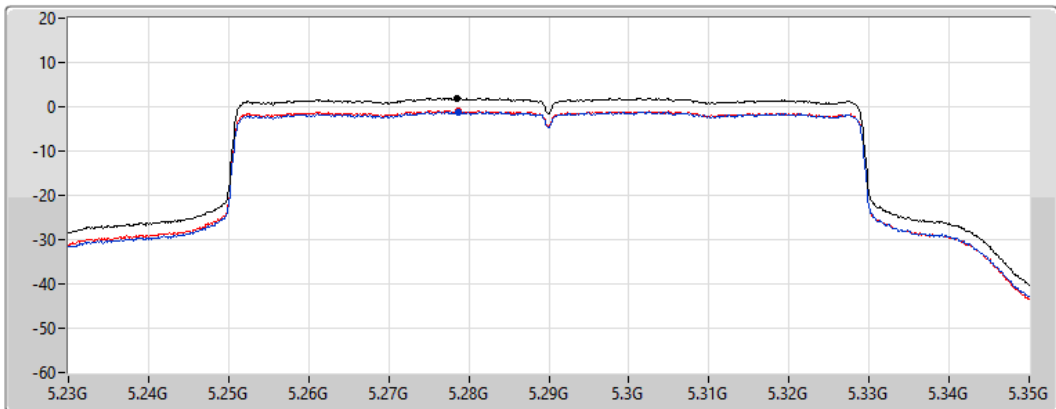
Span
120MHz


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)
1.99	1.99	-1.13	-0.92

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5530MHz

04/04/2022

CF
5.53GHz

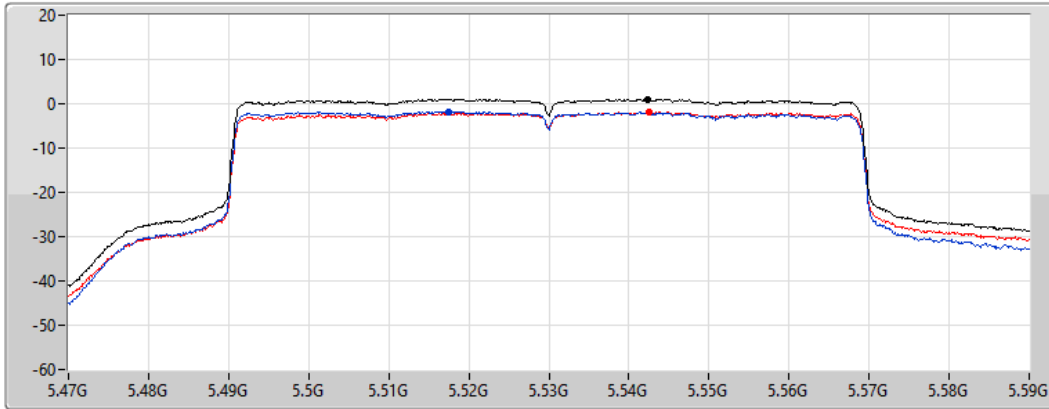
Span
120MHz

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)
1.04	1.04	-1.75	-1.92

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5610MHz

04/04/2022

CF
5.61GHz

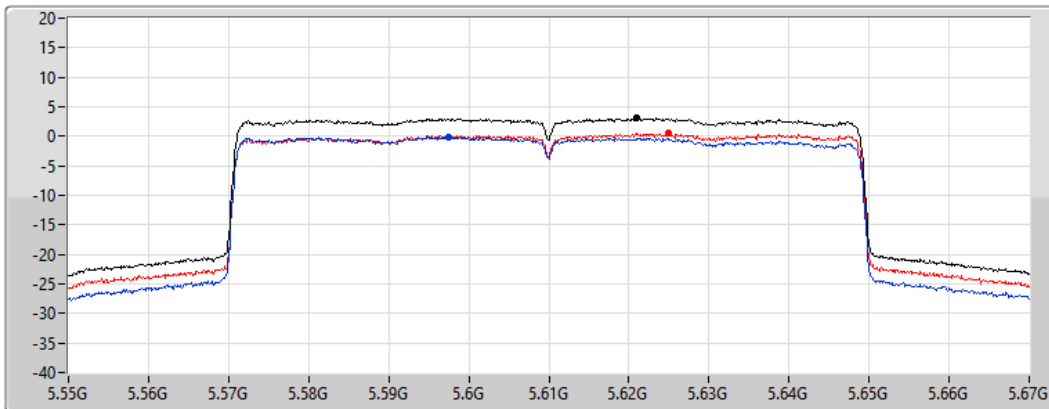
Span
120MHz

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)
3.04	3.04	-0.08	0.45

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

04/04/2022

CF
5.65GHz

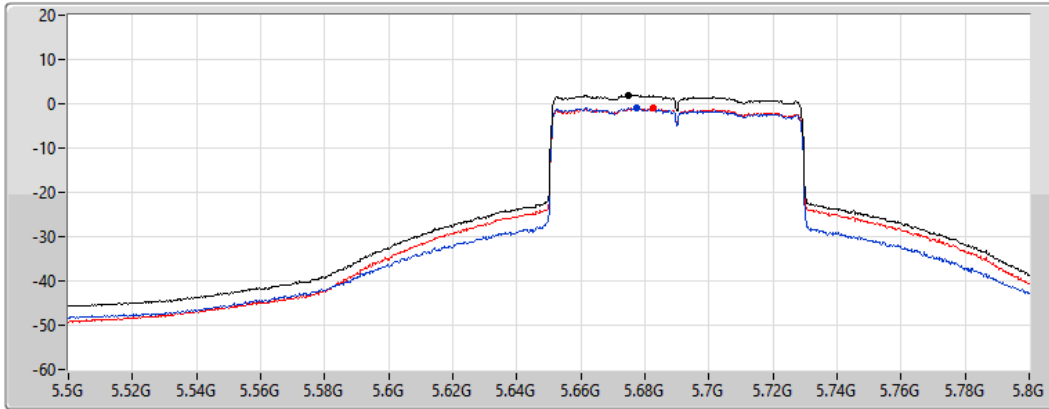
Span
300MHz


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)
1.93	1.93	-0.88	-1.06

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

04/04/2022

CF
5.735GHz

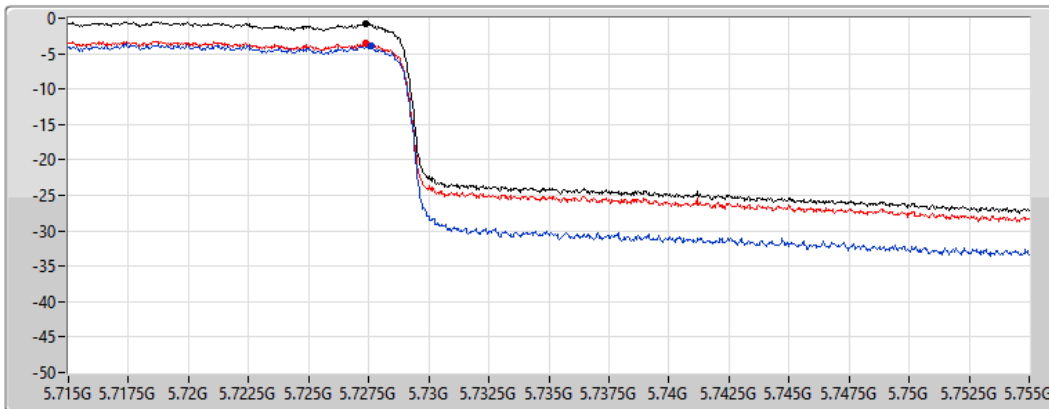
Span
40MHz


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)
-0.79	-0.79	-4.00	-3.52



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	10.62
802.11ax HEW20_Nss1,(MCS0)_1TX	9.54
802.11ax HEW40_Nss1,(MCS0)_1TX	5.28
802.11ax HEW80_Nss1,(MCS0)_1TX	0.76
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_1TX	8.66
802.11ax HEW20_Nss1,(MCS0)_1TX	8.10
802.11ax HEW40_Nss1,(MCS0)_1TX	5.12
802.11ax HEW80_Nss1,(MCS0)_1TX	0.70
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.36
802.11ax HEW20_Nss1,(MCS0)_1TX	6.65
802.11ax HEW40_Nss1,(MCS0)_1TX	2.75
802.11ax HEW80_Nss1,(MCS0)_1TX	-0.63
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	8.62
802.11ax HEW20_Nss1,(MCS0)_1TX	8.00
802.11ax HEW40_Nss1,(MCS0)_1TX	4.56
802.11ax HEW80_Nss1,(MCS0)_1TX	0.02

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	5.80	8.63	8.63	17.00
5200MHz	Pass	5.80	10.62	10.62	17.00
5240MHz	Pass	5.80	8.42	8.42	17.00
5260MHz	Pass	5.80	8.66	8.66	11.00
5300MHz	Pass	5.80	8.45	8.45	11.00
5320MHz	Pass	5.80	8.07	8.07	11.00
5500MHz	Pass	5.50	7.36	7.36	11.00
5580MHz	Pass	5.50	6.24	6.24	11.00
5700MHz	Pass	5.50	3.06	3.06	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.50	5.84	5.84	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.60	4.27	4.27	30.00
5745MHz	Pass	5.60	8.45	8.45	30.00
5785MHz	Pass	5.60	8.62	8.62	30.00
5825MHz	Pass	5.60	8.58	8.58	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	5.80	7.53	7.53	17.00
5200MHz	Pass	5.80	9.54	9.54	17.00
5240MHz	Pass	5.80	8.09	8.09	17.00
5260MHz	Pass	5.80	8.10	8.10	11.00
5300MHz	Pass	5.80	7.84	7.84	11.00
5320MHz	Pass	5.80	7.39	7.39	11.00
5500MHz	Pass	5.50	6.65	6.65	11.00
5580MHz	Pass	5.50	5.66	5.66	11.00
5700MHz	Pass	5.50	0.88	0.88	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.50	5.06	5.06	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.60	3.43	3.43	30.00
5745MHz	Pass	5.60	7.62	7.62	30.00
5785MHz	Pass	5.60	8.00	8.00	30.00
5825MHz	Pass	5.60	7.92	7.92	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	5.80	3.41	3.41	17.00
5230MHz	Pass	5.80	5.28	5.28	17.00
5270MHz	Pass	5.80	5.12	5.12	11.00
5310MHz	Pass	5.80	3.36	3.36	11.00
5510MHz	Pass	5.50	2.16	2.16	11.00
5550MHz	Pass	5.50	2.75	2.75	11.00
5670MHz	Pass	5.50	1.84	1.84	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.50	2.49	2.49	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.60	0.67	0.67	30.00
5755MHz	Pass	5.60	3.41	3.41	30.00
5795MHz	Pass	5.60	4.56	4.56	30.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	5.80	0.76	0.76	17.00
5290MHz	Pass	5.80	0.70	0.70	11.00
5530MHz	Pass	5.50	-1.00	-1.00	11.00
5610MHz	Pass	5.50	-0.63	-0.63	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.50	-0.72	-0.72	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.60	-2.36	-2.36	30.00
5775MHz	Pass	5.60	0.02	0.02	30.00

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)_1TX

PSD

5180MHz

05/04/2022

CF
5.18GHz

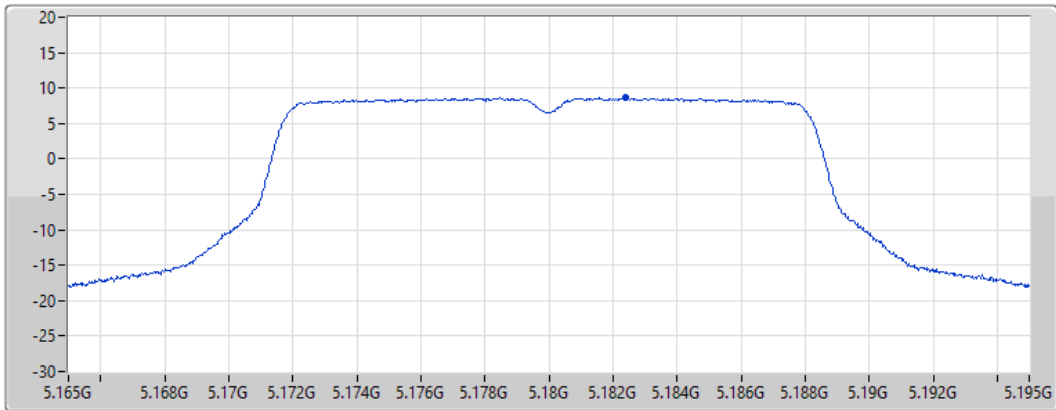
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.63	8.63	8.63

802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

05/04/2022

CF
5.2GHz

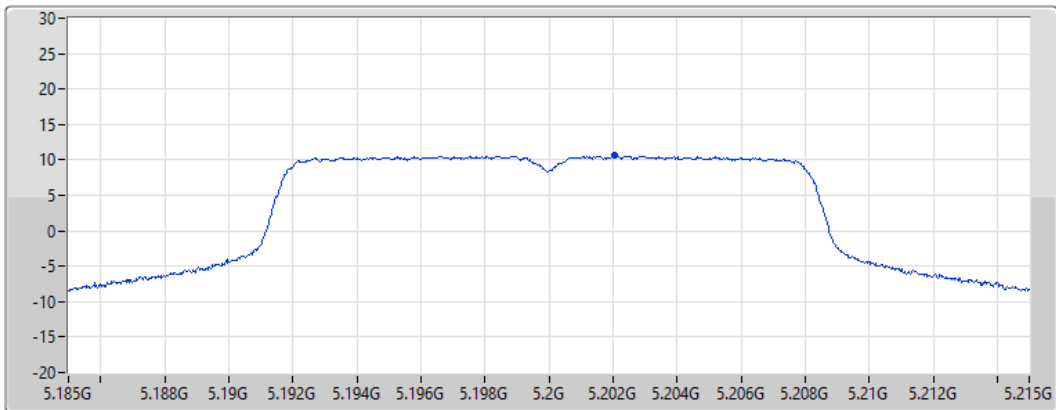
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.62	10.62	10.62

802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

05/04/2022

CF
5.24GHz

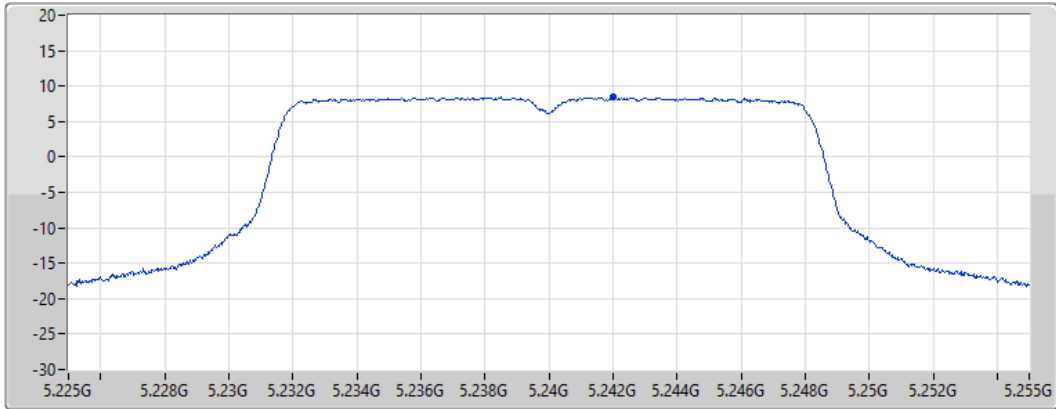
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.42	8.42	8.42

802.11a_Nss1,(6Mbps)_1TX

PSD

5260MHz

05/04/2022

CF
5.26GHz

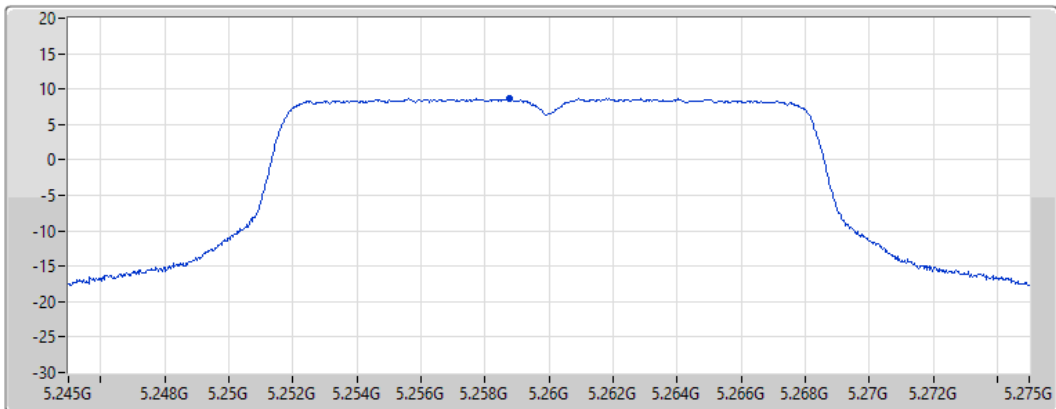
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.66	8.66	8.66

802.11a_Nss1,(6Mbps)_1TX

PSD

5300MHz

05/04/2022

CF
5.3GHz

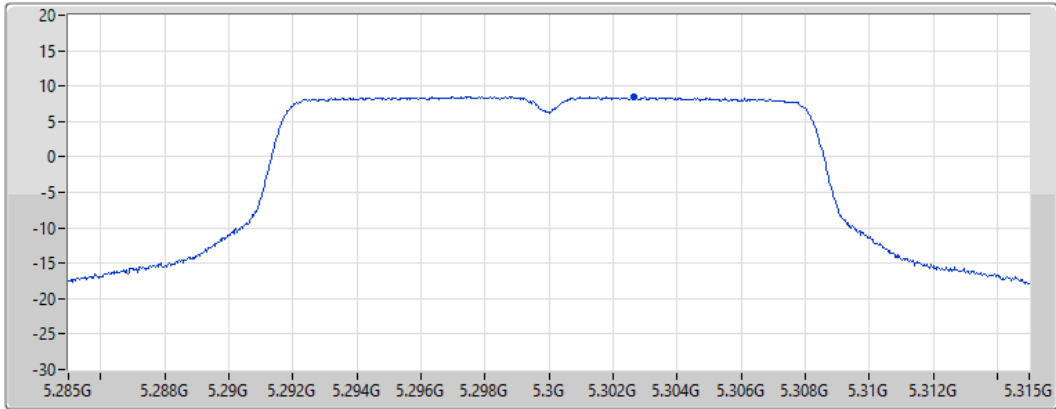
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.45	8.45	8.45

802.11a_Nss1,(6Mbps)_1TX

PSD

5320MHz

05/04/2022

CF
5.32GHz

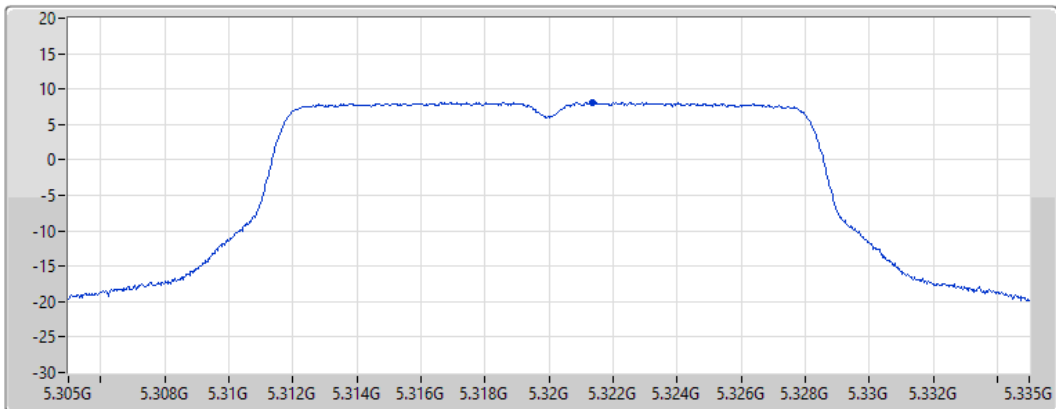
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

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

802.11a_Nss1,(6Mbps)_1TX

PSD

5500MHz

05/04/2022

CF
5.5GHz

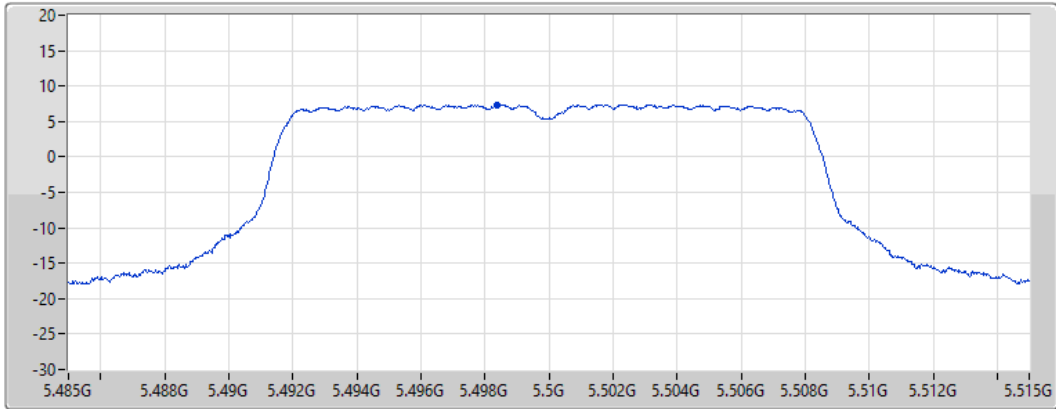
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.36	7.36	7.36

802.11a_Nss1,(6Mbps)_1TX

PSD

5580MHz

05/04/2022

CF
5.58GHz

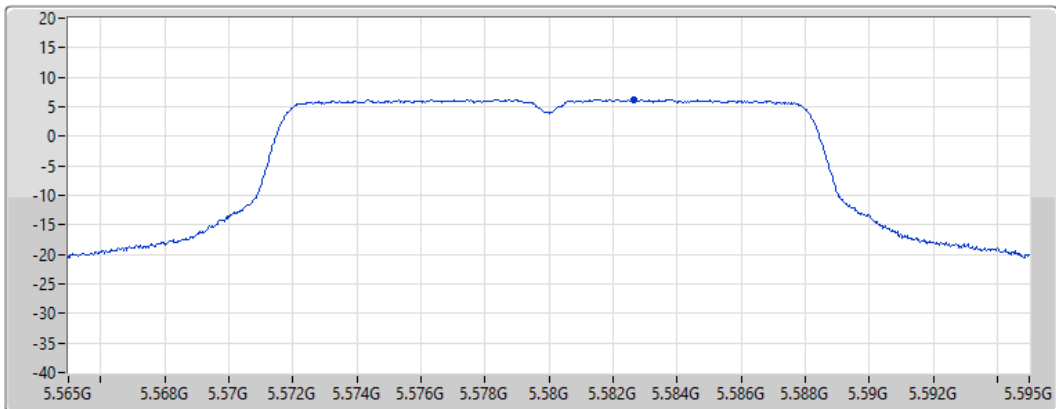
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.24	6.24	6.24

802.11a_Nss1,(6Mbps)_1TX

PSD

5700MHz

05/04/2022

CF
5.7GHz

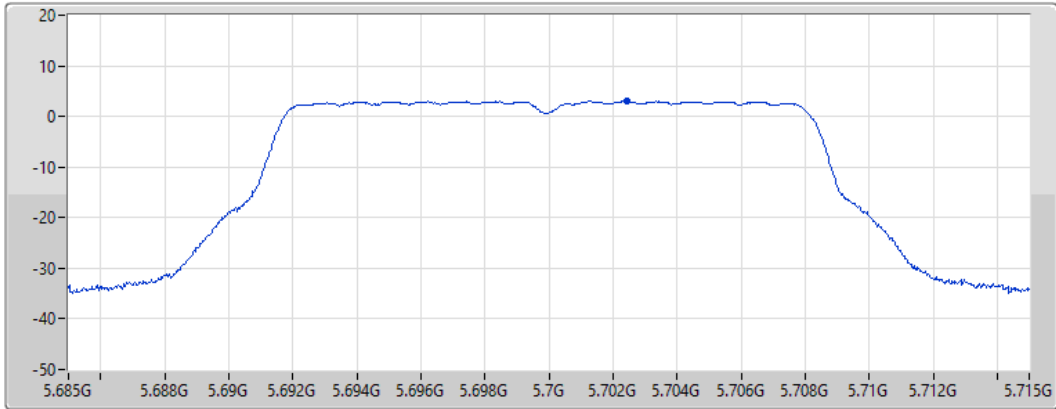
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.06	3.06	3.06

802.11a_Nss1,(6Mbps)_1TX

PSD

5720MHz Straddle 5.47-5.725GHz

05/04/2022

CF
5.71GHz

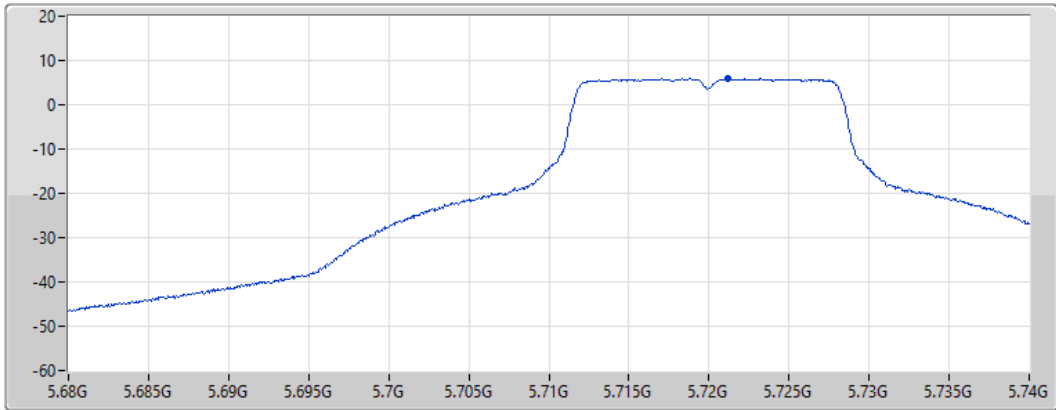
Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.84	5.84	5.84

802.11a_Nss1,(6Mbps)_1TX

PSD

5720MHz Straddle 5.725-5.85GHz

05/04/2022

CF
5.735GHz

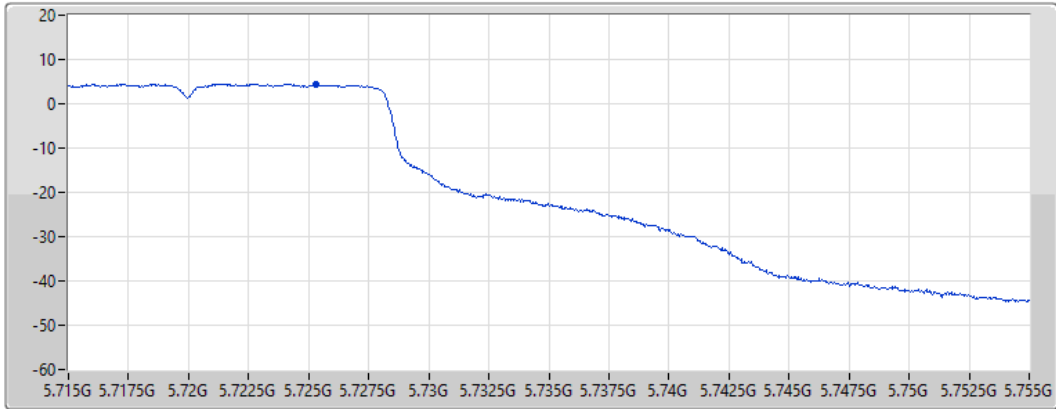
Span
40MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.27	4.27	4.27

802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

05/04/2022

CF
5.745GHz

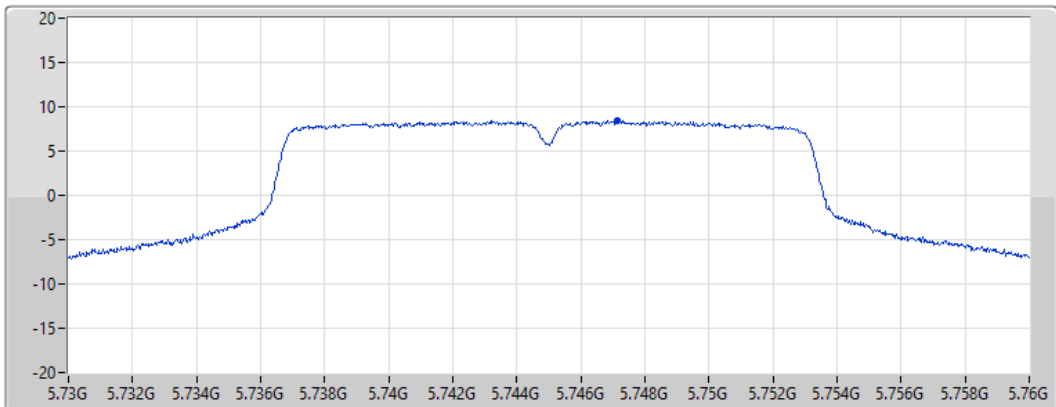
Span
30MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.45	8.45	8.45

802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

05/04/2022

CF
5.785GHz

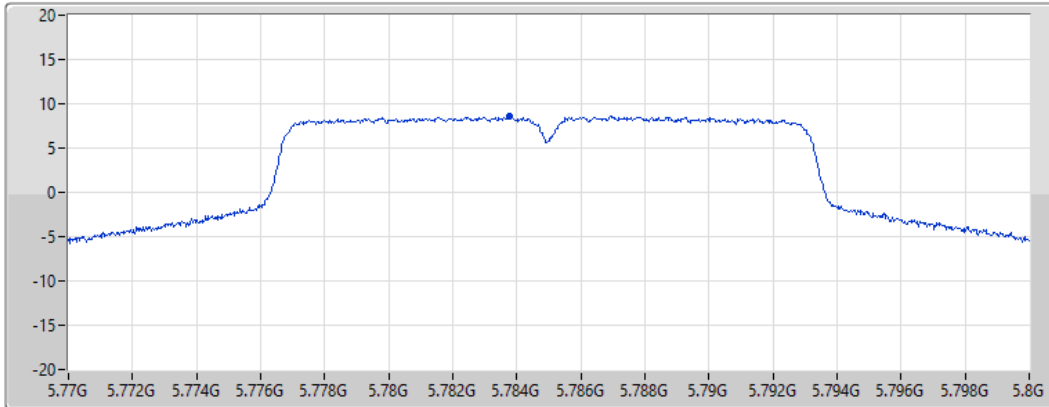
Span
30MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.62	8.62	8.62

802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz

05/04/2022

CF
5.825GHz

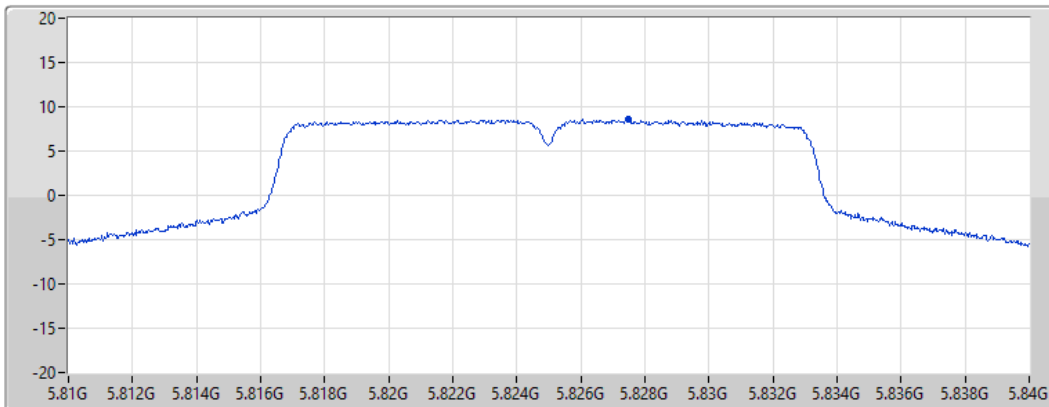
Span
30MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.58	8.58	8.58

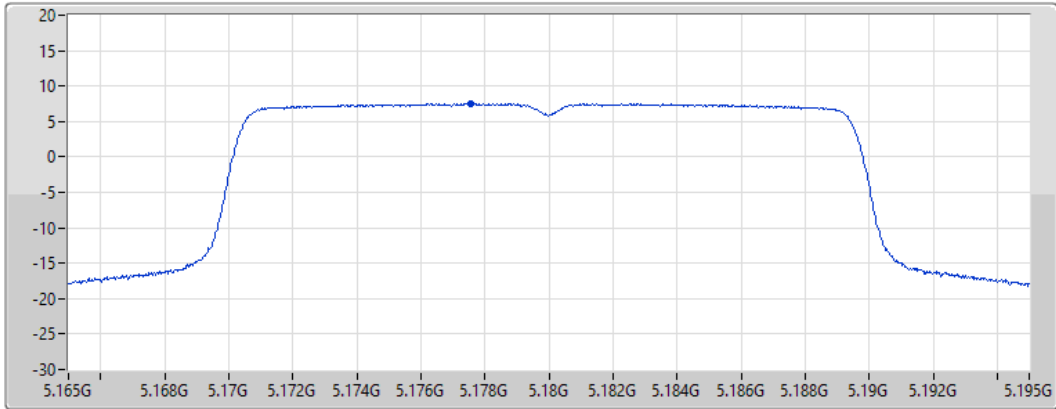
802.11ax HEW20_Nss1,(MCS0)_1TX


PSD

5180MHz

05/04/2022

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



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.53	7.53	7.53

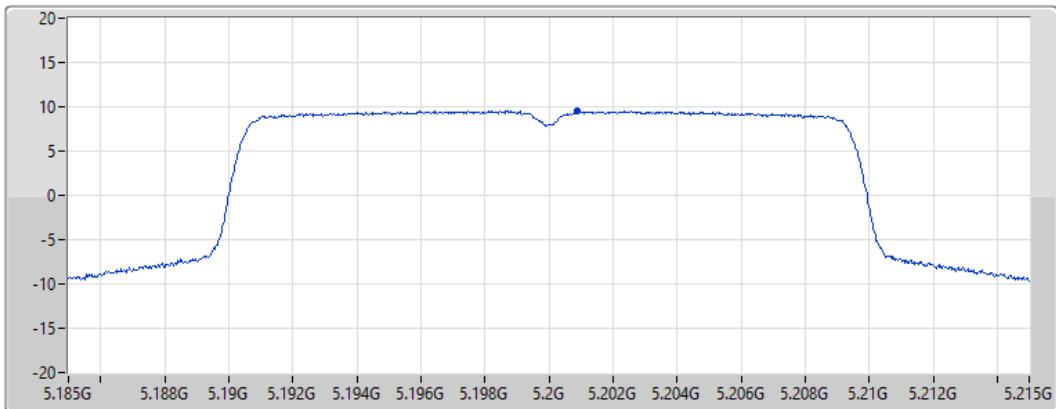
802.11ax HEW20_Nss1,(MCS0)_1TX


PSD

5200MHz

05/04/2022

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



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.54	9.54	9.54

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

05/04/2022

CF
5.24GHz

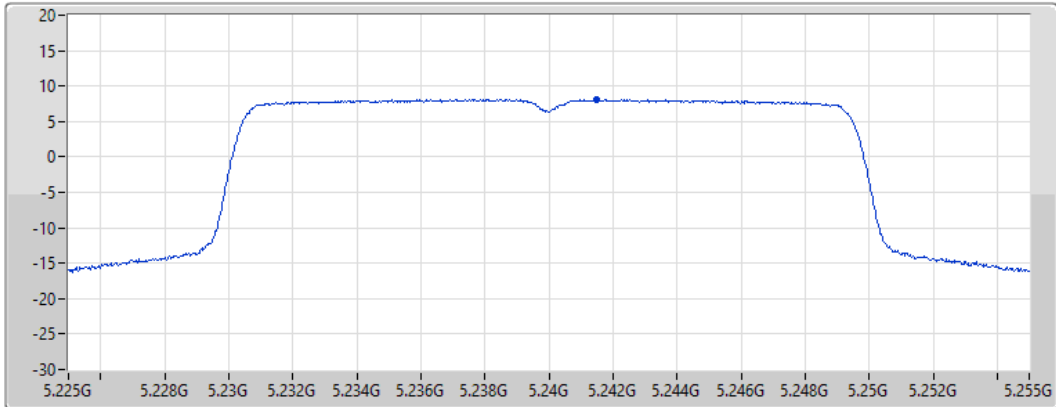
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.09	8.09	8.09

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5260MHz

05/04/2022

CF
5.26GHz

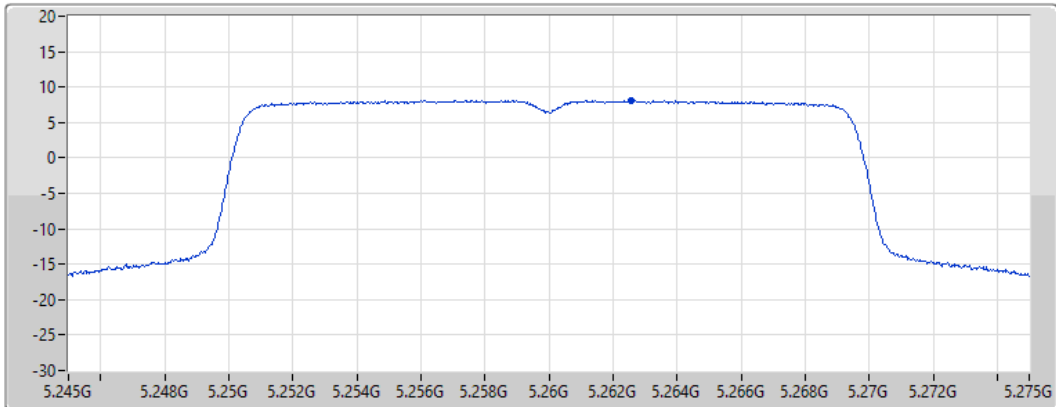
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.10	8.10	8.10

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5300MHz

05/04/2022

CF
5.3GHz

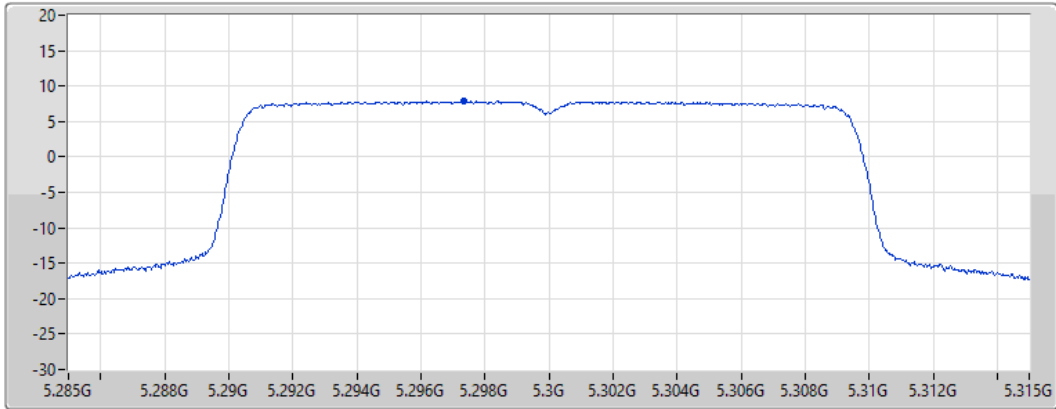
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.84	7.84	7.84

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5320MHz

05/04/2022

CF
5.32GHz

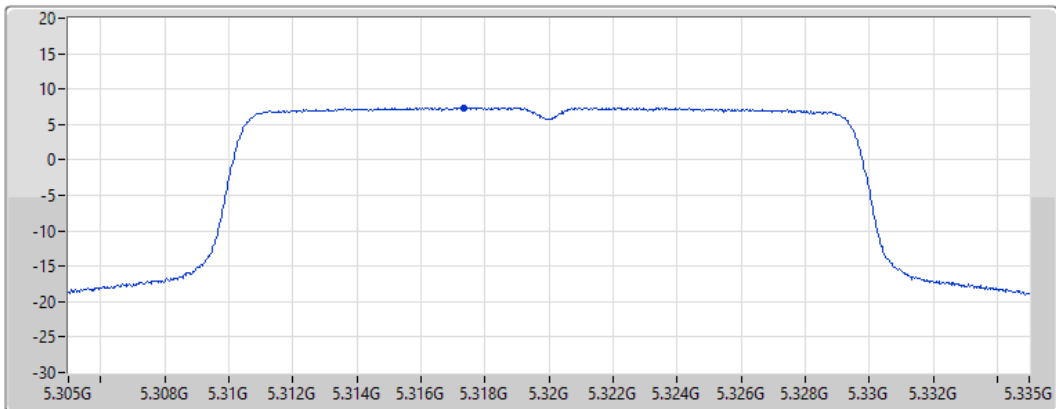
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

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

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5500MHz

05/04/2022

CF
5.5GHz

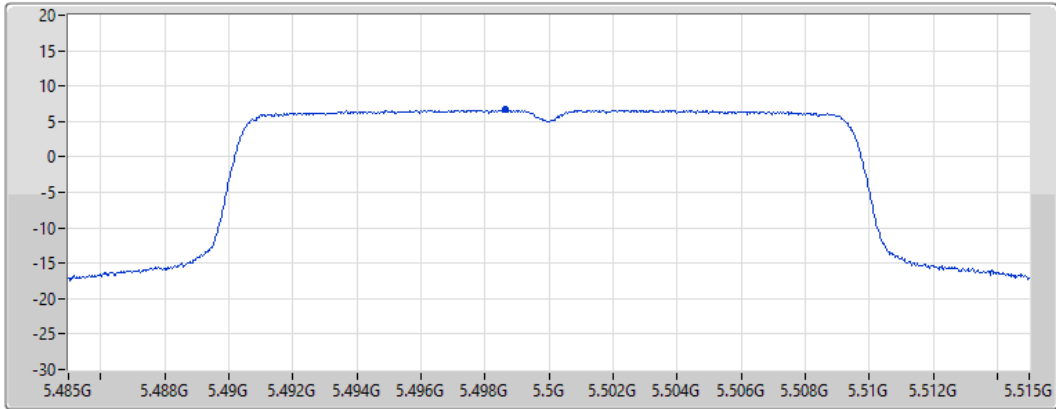
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.65	6.65	6.65

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5580MHz

05/04/2022

CF
5.58GHz

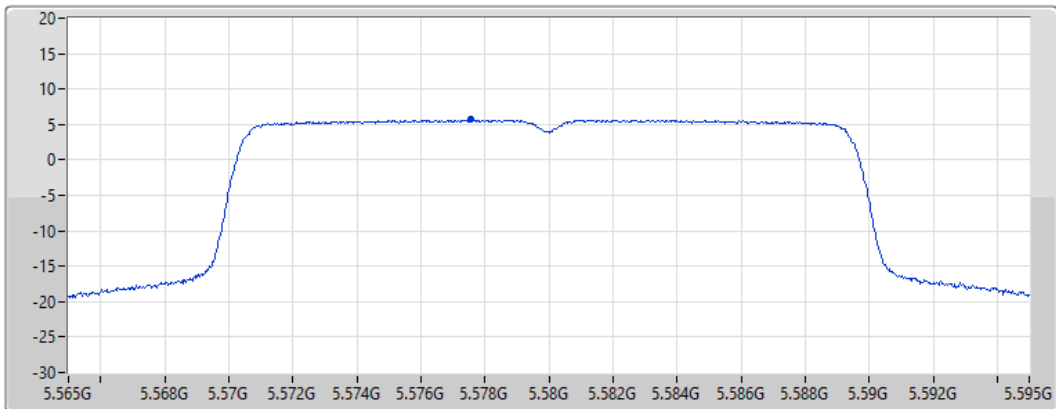
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.66	5.66	5.66

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5700MHz

05/04/2022

CF
5.7GHz

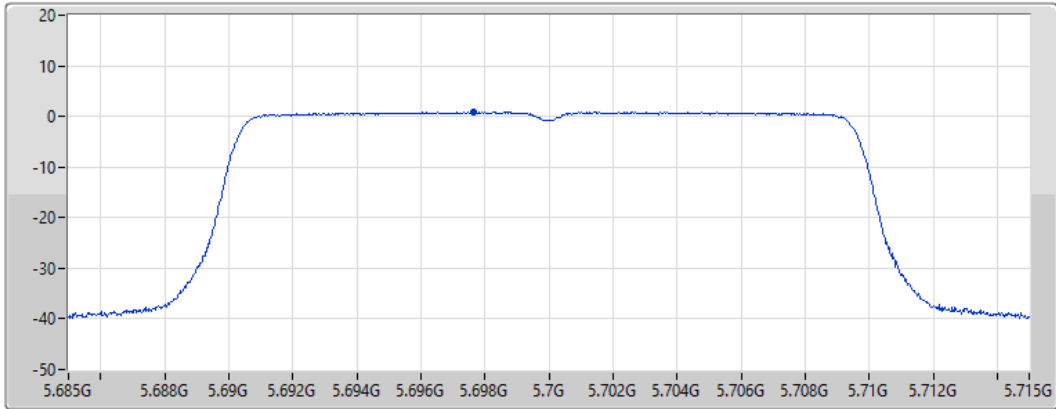
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.88	0.88	0.88

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5720MHz Straddle 5.47-5.725GHz

05/04/2022

CF
5.71GHz

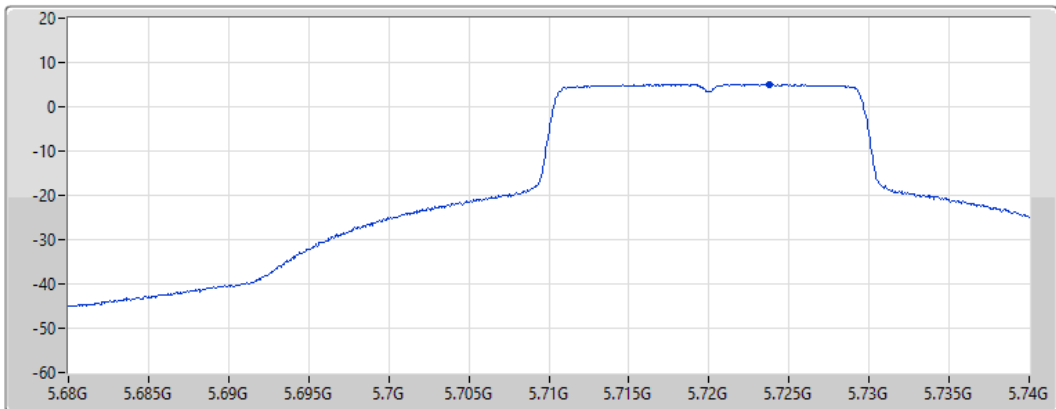
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.06	5.06	5.06

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5720MHz Straddle 5.725-5.85GHz

05/04/2022

CF
5.735GHz

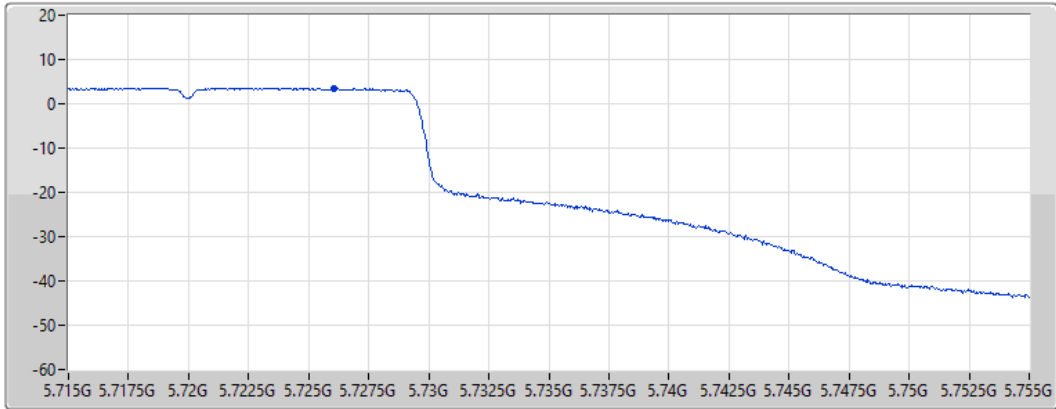
Span
40MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.43	3.43	3.43

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5745MHz

05/04/2022

CF
5.745GHz

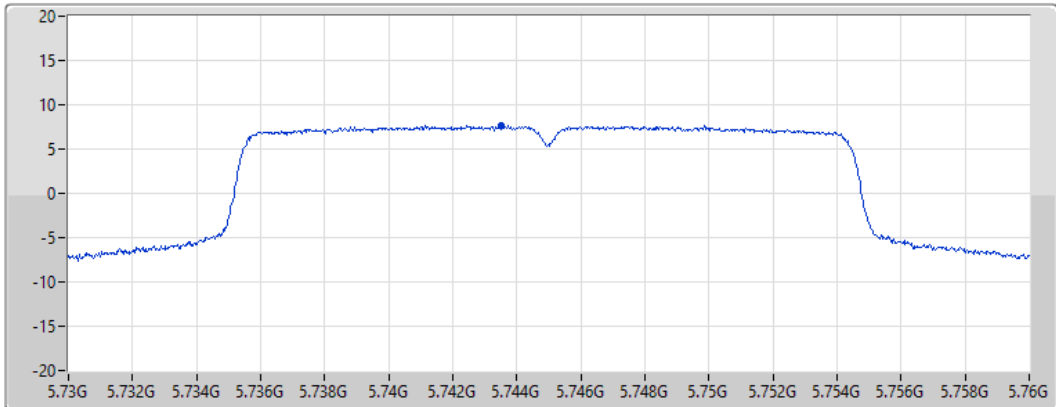
Span
30MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.62	7.62	7.62

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5785MHz

05/04/2022

CF
5.785GHz

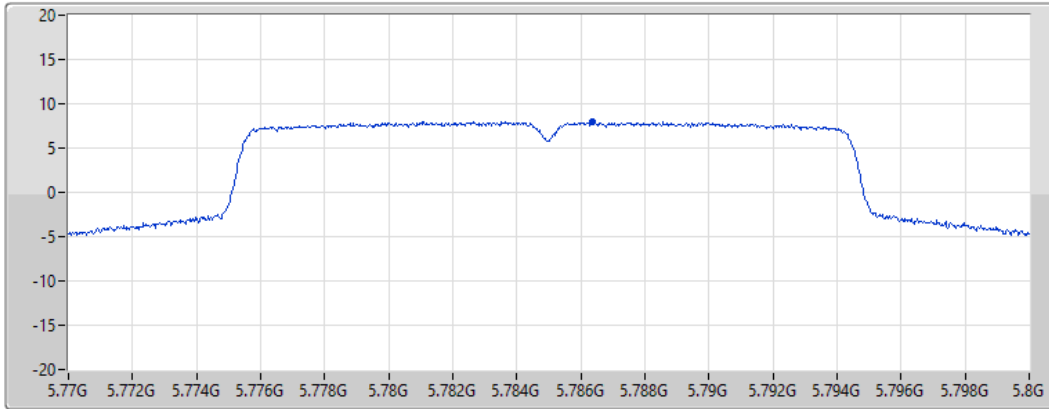
Span
30MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.00	8.00	8.00

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5825MHz

05/04/2022

CF
5.825GHz

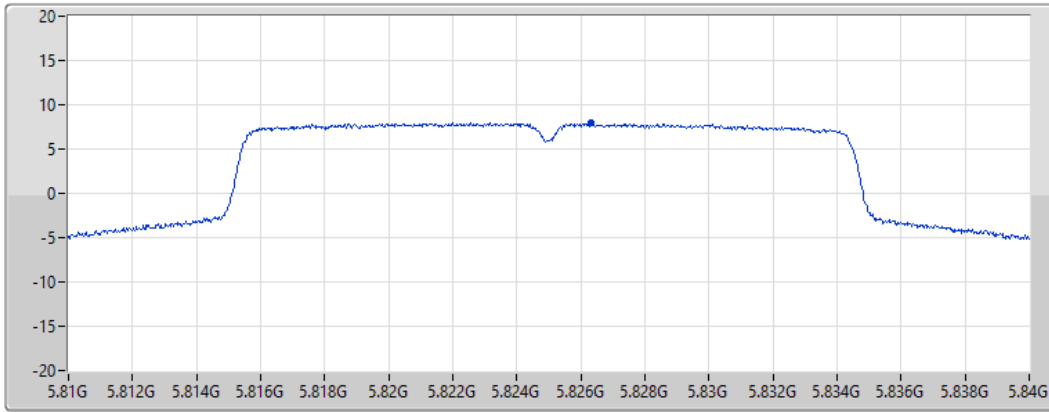
Span
30MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.92	7.92	7.92

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

05/04/2022

CF
5.19GHz

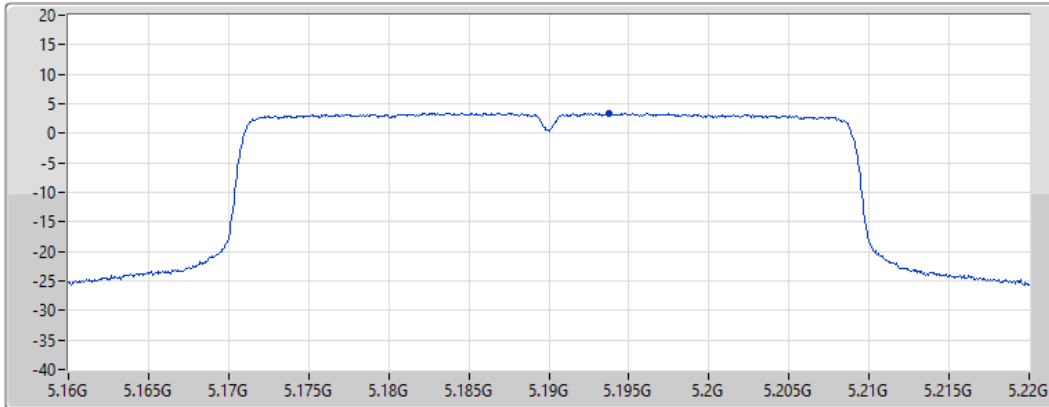
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.41	3.41	3.41

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

05/04/2022

CF
5.23GHz

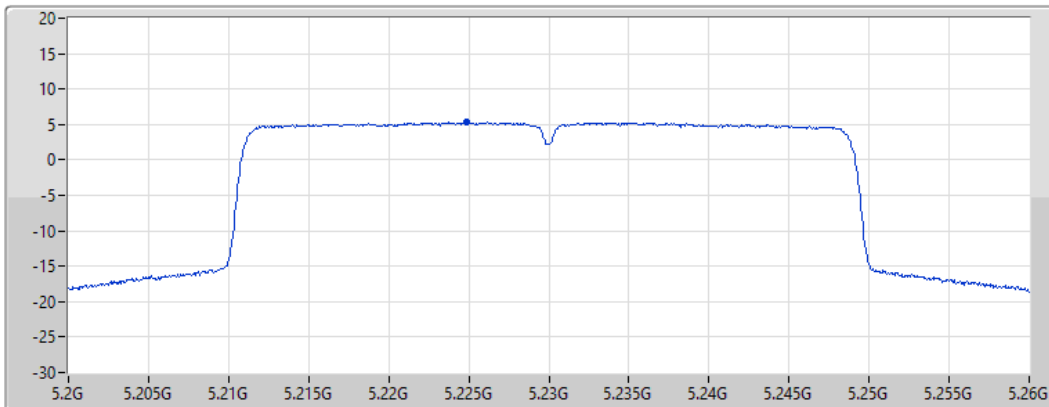
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.28	5.28	5.28

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5270MHz

05/04/2022

CF
5.27GHz

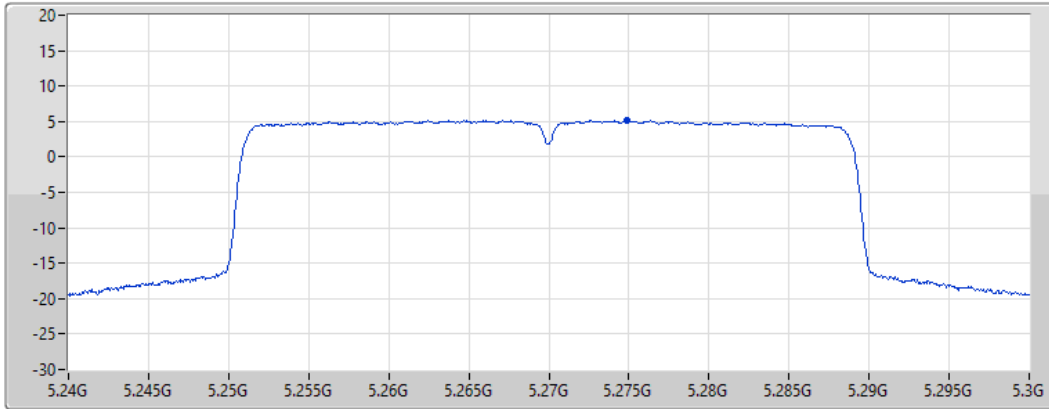
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

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

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5310MHz

05/04/2022

CF
5.31GHz

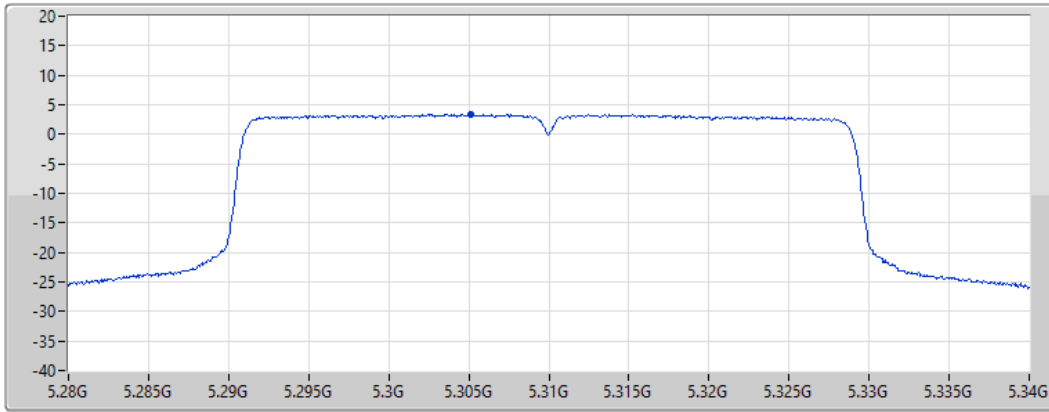
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.36	3.36	3.36

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5510MHz

05/04/2022

CF
5.51GHz

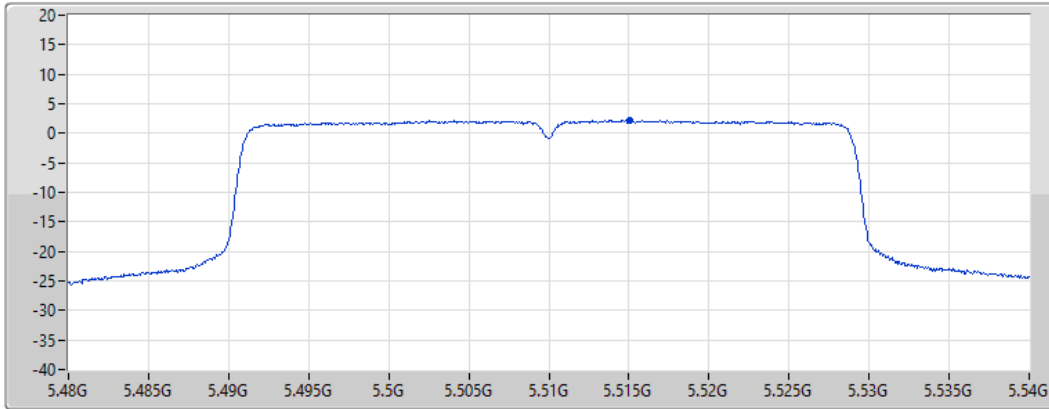
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.16	2.16	2.16

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5550MHz

05/04/2022

CF
5.55GHz

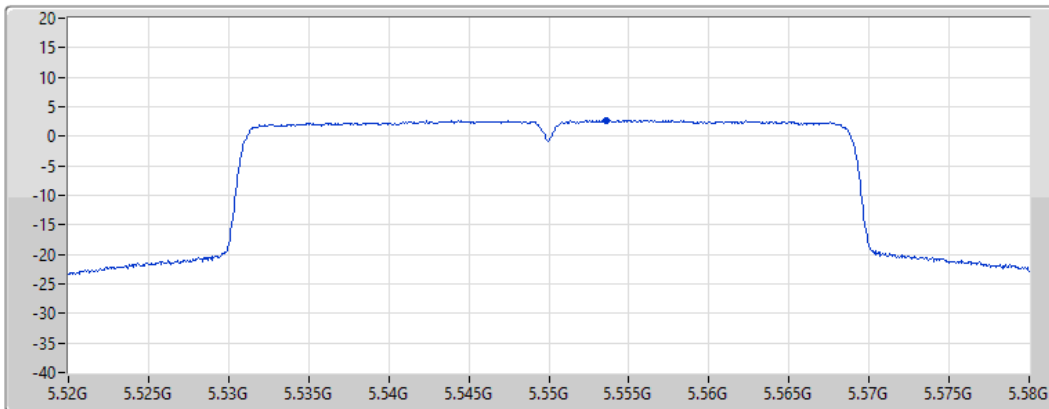
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.75	2.75	2.75

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5670MHz

05/04/2022

CF
5.67GHz

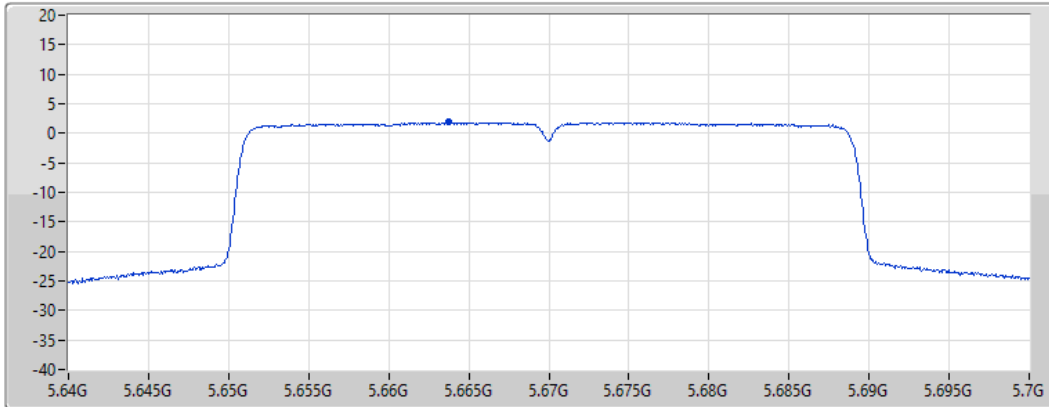
Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.84	1.84	1.84

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5710MHz Straddle 5.47-5.725GHz

05/04/2022

CF
5.69GHz

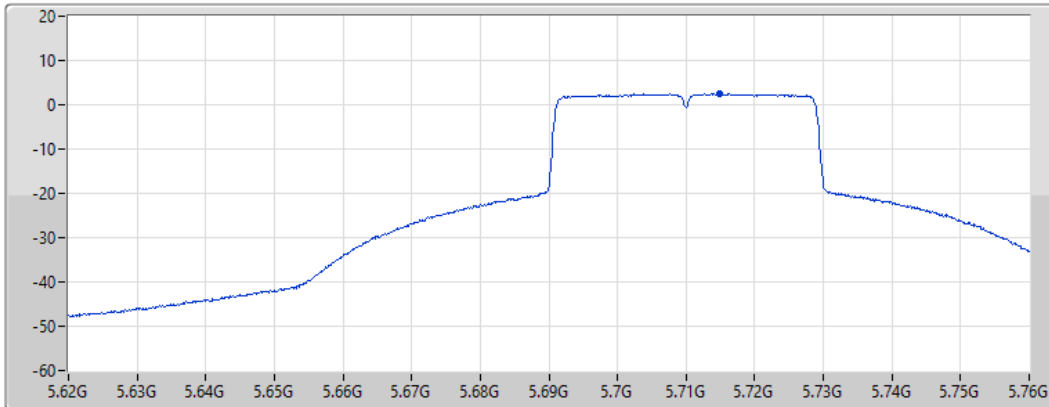
Span
140MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.49	2.49	2.49

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5710MHz Straddle 5.725-5.85GHz

05/04/2022

CF
5.735GHz

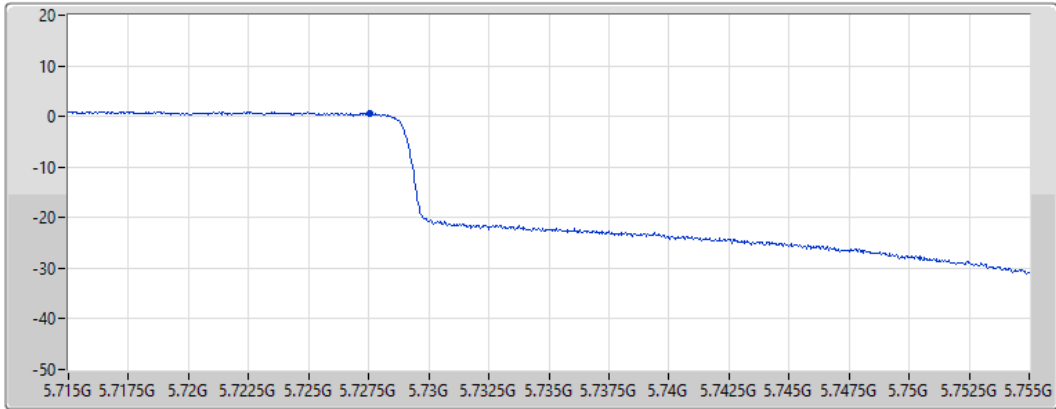
Span
40MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.67	0.67	0.67

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5755MHz

05/04/2022

CF
5.755GHz

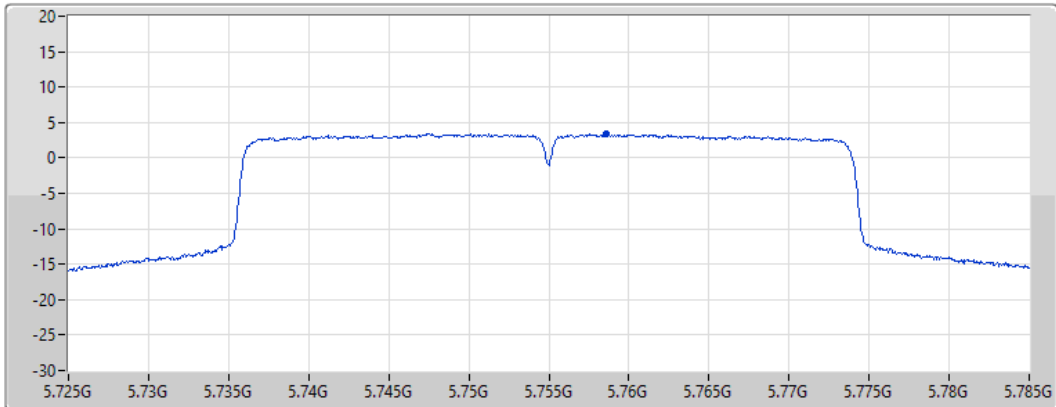
Span
60MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.41	3.41	3.41

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5795MHz

05/04/2022

CF
5.795GHz

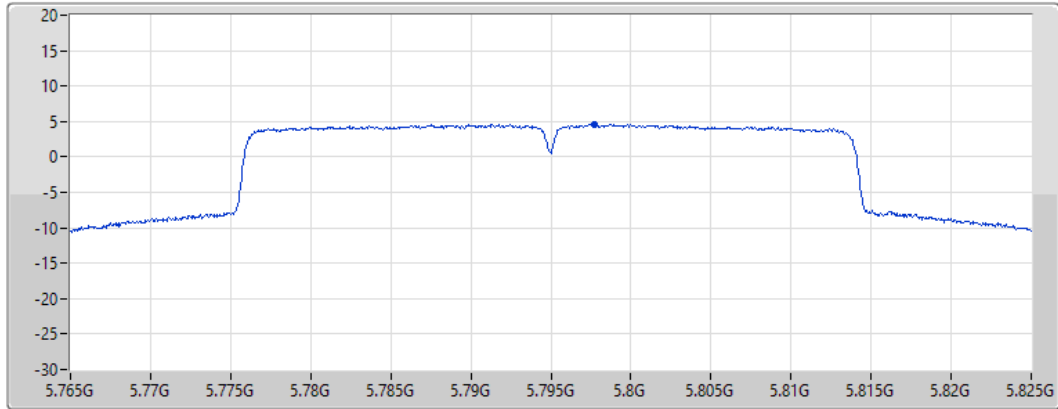
Span
60MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.56	4.56	4.56

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

05/04/2022

CF
5.21GHz

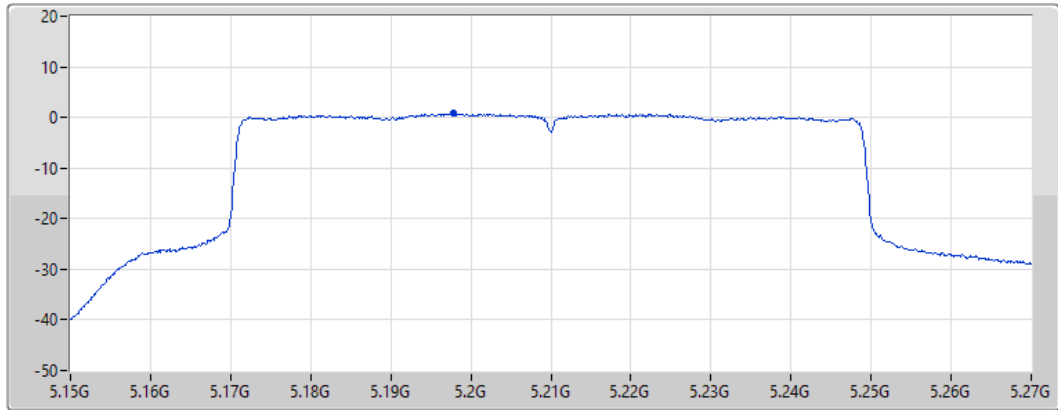
Span
120MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.76	0.76	0.76

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5290MHz

05/04/2022

CF
5.29GHz

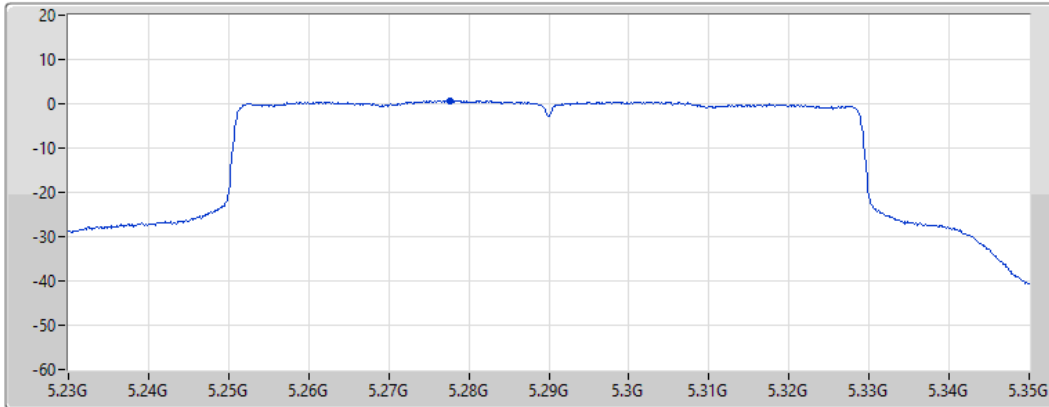
Span
120MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.70	0.70	0.70

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5530MHz

05/04/2022

CF
5.53GHz

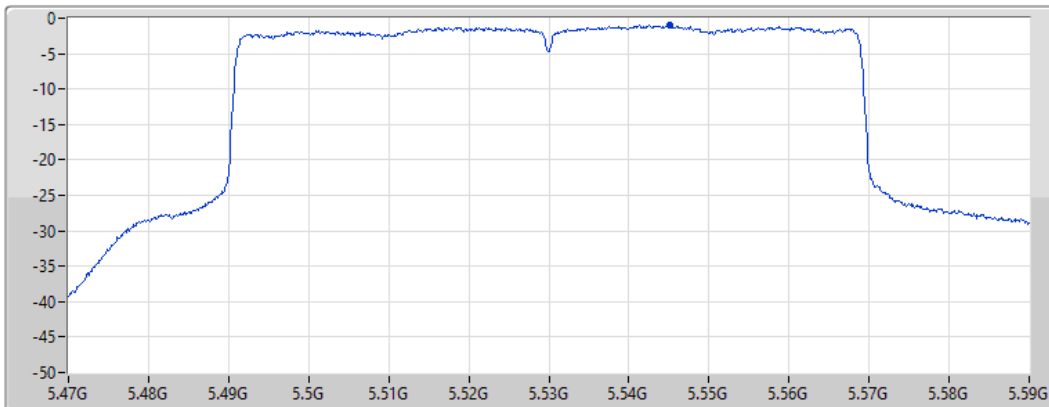
Span
120MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.00	-1.00	-1.00

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5610MHz

05/04/2022

CF
5.61GHz

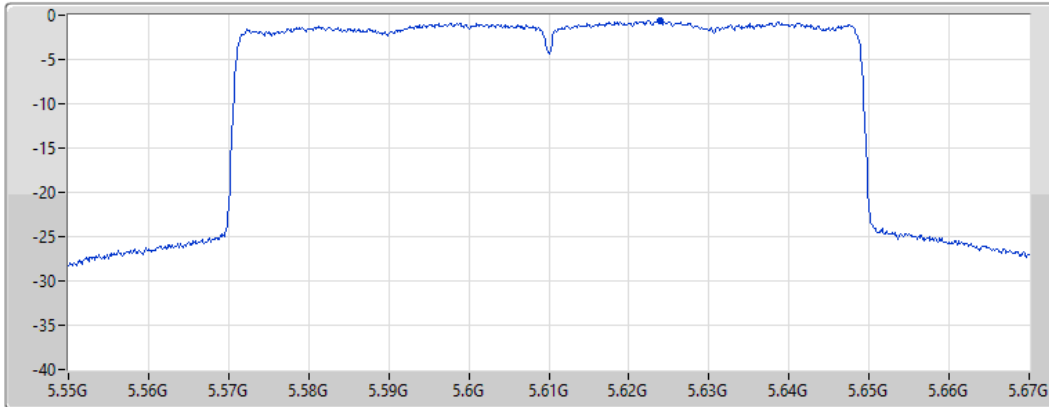
Span
120MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.63	-0.63	-0.63

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5690MHz Straddle 5.47-5.725GHz

05/04/2022

CF
5.65GHz

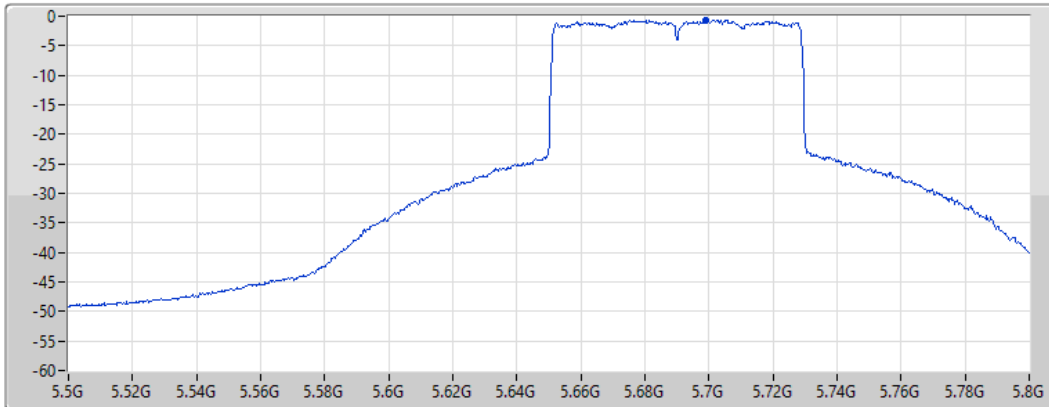
Span
300MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.72	-0.72	-0.72

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5690MHz Straddle 5.725-5.85GHz

05/04/2022

CF
5.735GHz

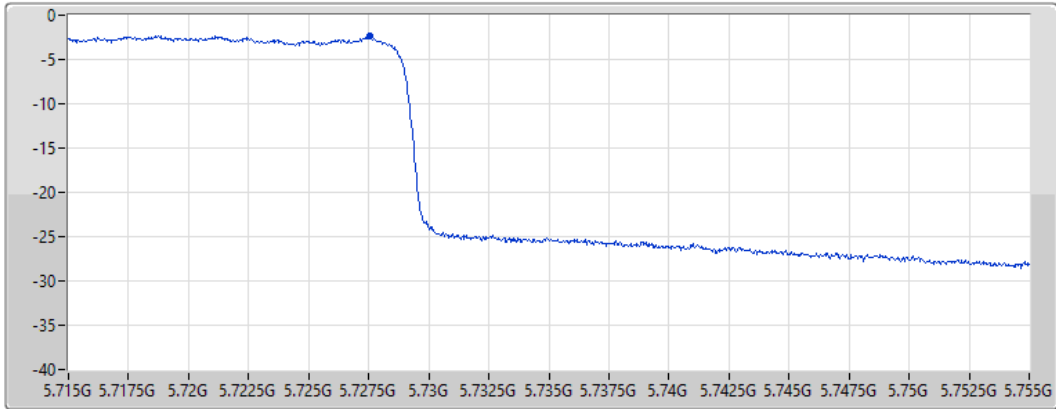
Span
40MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

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

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5775MHz

05/04/2022

CF
5.775GHz

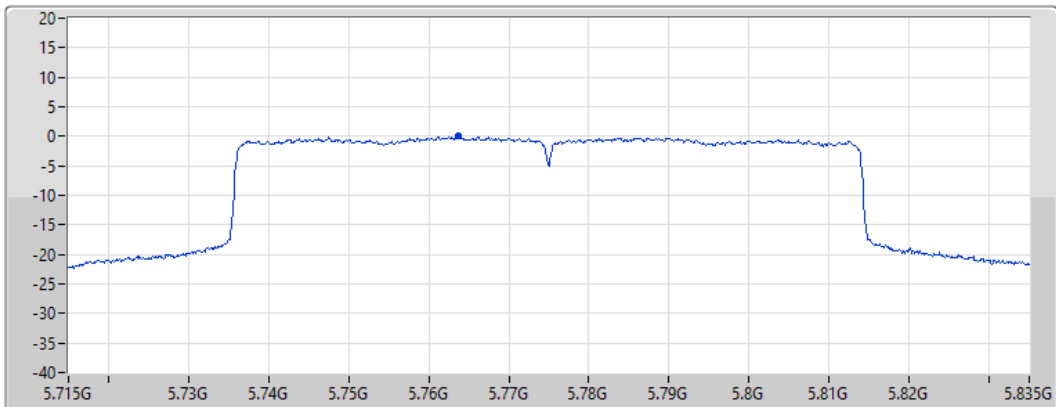
Span
120MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

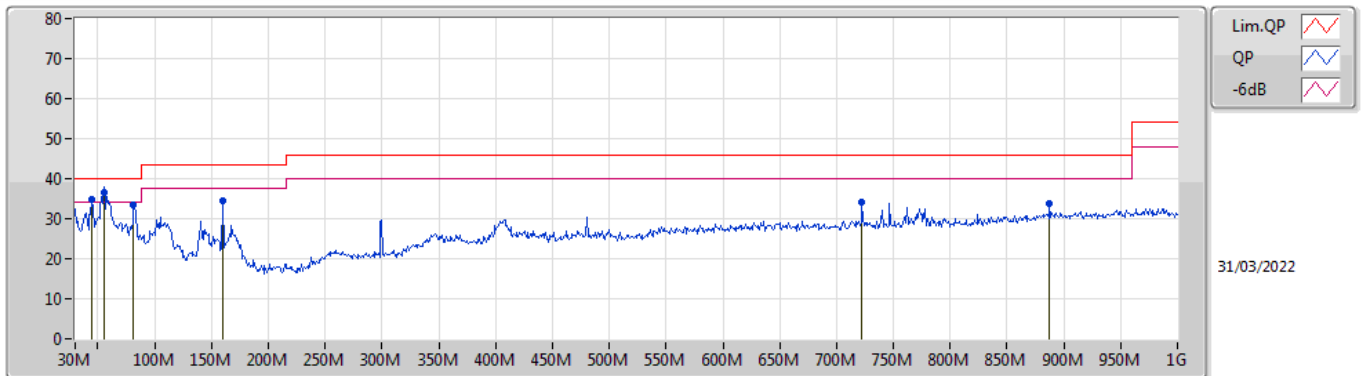
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.02	0.02	0.02



Summary

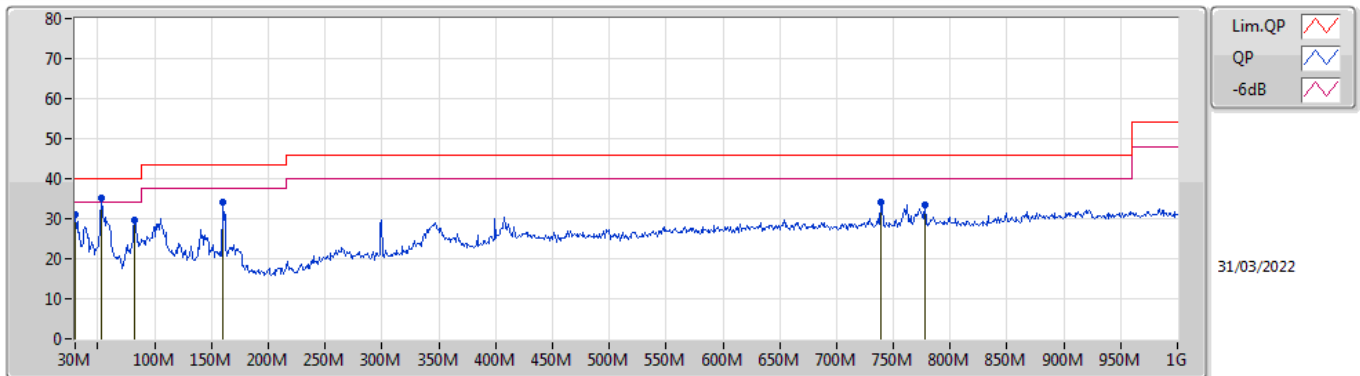
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	55.22M	36.53	40.00	-3.47	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	44.55M	34.86	40.00	-5.14	-14.50	3	Vertical	360	1.00	-	49.36	16.22	0.99	31.71
QP	55.22M	36.53	40.00	-3.47	-18.02	3	Vertical	220	1.25	"Worst"	54.55	12.69	1.10	31.81
PK	81.41M	33.45	40.00	-6.55	-17.63	3	Vertical	288	1.50	-	51.08	12.89	1.40	31.92
PK	159.98M	34.60	43.50	-8.90	-14.21	3	Vertical	251	1.00	-	48.81	15.75	2.00	31.96
PK	722.58M	34.14	46.00	-11.86	-3.33	3	Vertical	360	1.00	-	37.47	24.76	4.59	32.68
PK	887.48M	33.90	46.00	-12.10	-1.27	3	Vertical	306	3.00	-	35.17	26.13	5.25	32.65

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30M	31.18	40.00	-8.82	-6.70	3	Horizontal	68	1.25	-	37.88	23.99	0.80	31.49
PK	53.28M	35.04	40.00	-4.96	-17.73	3	Horizontal	121	2.00	"Worst"	52.77	12.96	1.10	31.79
PK	82.38M	29.65	40.00	-10.35	-17.49	3	Horizontal	299	1.50	-	47.14	13.03	1.40	31.92
PK	159.98M	34.16	43.50	-9.34	-14.21	3	Horizontal	76	1.25	-	48.37	15.75	2.00	31.96
PK	739.07M	33.97	46.00	-12.03	-2.89	3	Horizontal	290	2.00	-	36.86	25.15	4.66	32.70
PK	777.87M	33.42	46.00	-12.58	-2.47	3	Horizontal	254	2.00	-	35.89	25.42	4.81	32.70

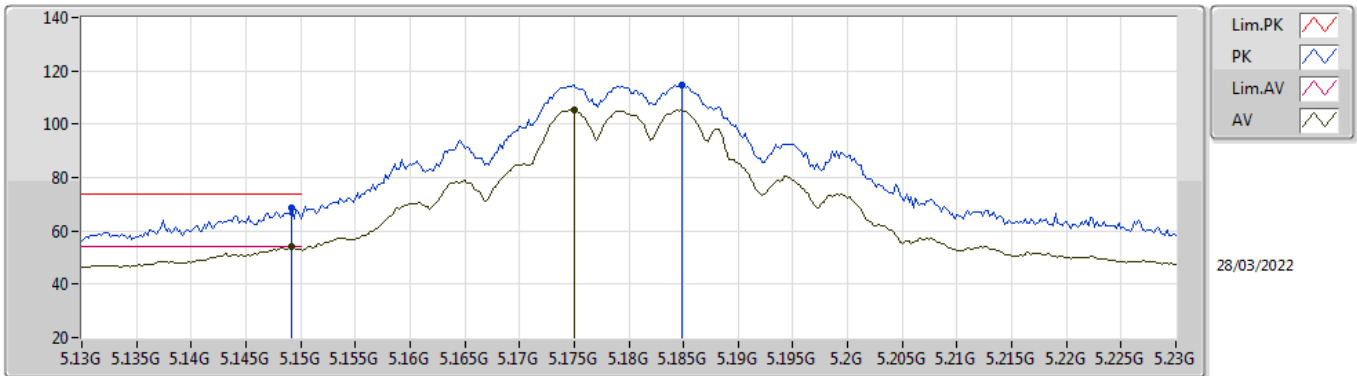


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.15G	53.96	54.00	-0.04	3	Vertical	6	2.31	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

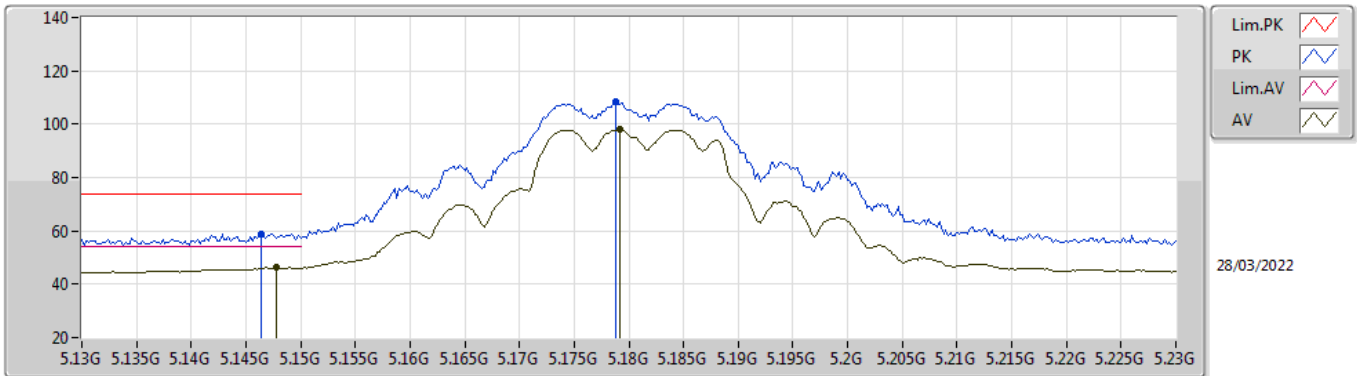


EUT_Z_2TX
Setting 80
02-B-N-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1492G	68.67	74.00	-5.33	62.07	3	Vertical	243	2.64	-	33.50	5.25	32.15
AV	5.1492G	53.89	54.00	-0.11	47.29	3	Vertical	243	2.64	-	33.50	5.25	32.15
PK	5.1848G	114.84	Inf	-Inf	108.21	3	Vertical	243	2.64	-	33.50	5.28	32.15
AV	5.175G	105.43	Inf	-Inf	98.81	3	Vertical	243	2.64	-	33.50	5.27	32.15

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

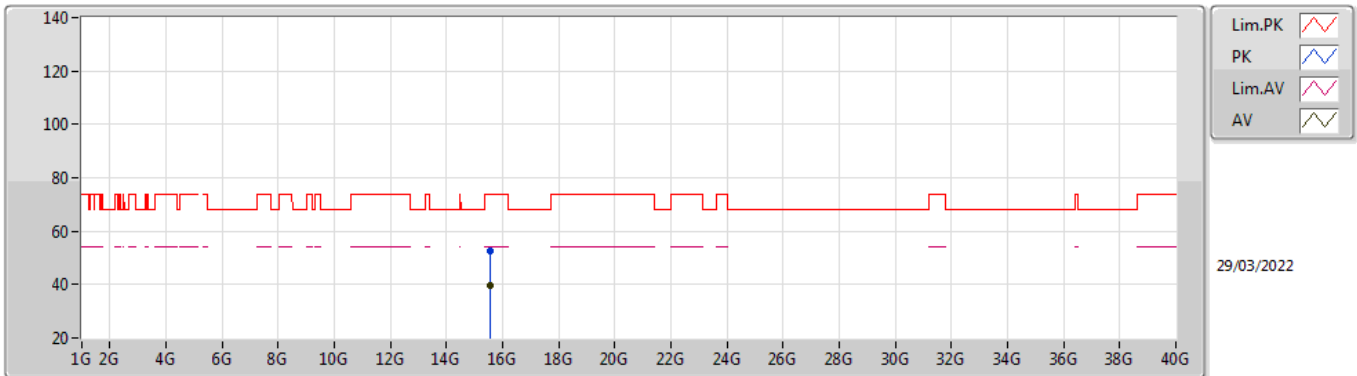


EUT_Z_2TX
Setting 80
02-B-N-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1464G	58.86	74.00	-15.14	52.26	3	Horizontal	330	2.39	-	33.50	5.25	32.15
AV	5.1478G	46.48	54.00	-7.52	39.88	3	Horizontal	330	2.39	-	33.50	5.25	32.15
PK	5.1788G	108.19	Inf	-Inf	101.56	3	Horizontal	330	2.39	-	33.50	5.28	32.15
AV	5.1792G	98.04	Inf	-Inf	91.41	3	Horizontal	330	2.39	-	33.50	5.28	32.15

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

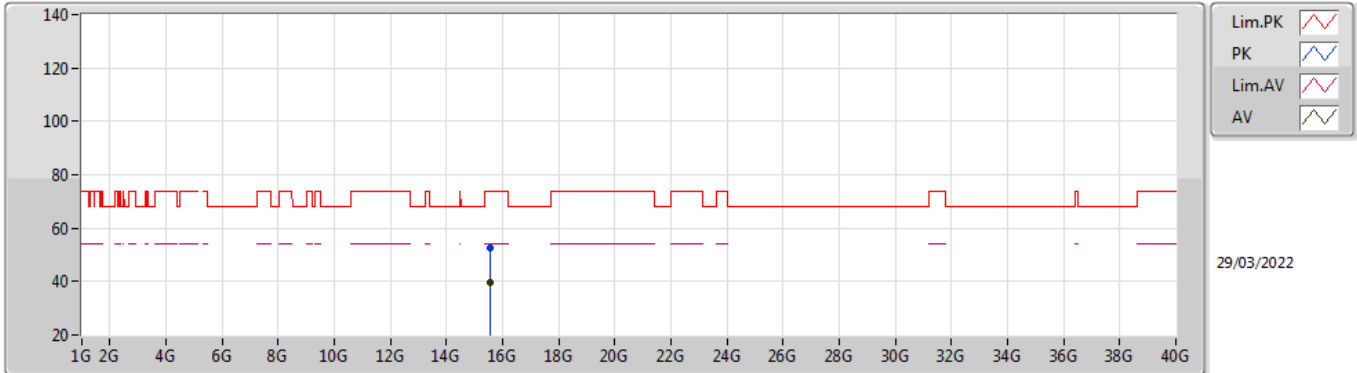


EUT_Z_2TX
Setting 80
02-B-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.53568G	52.63	74.00	-21.37	38.24	3	Vertical	248	2.70	-	37.79	9.79	33.19
AV	15.54168G	39.47	54.00	-14.53	25.11	3	Vertical	248	2.70	-	37.77	9.79	33.20

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

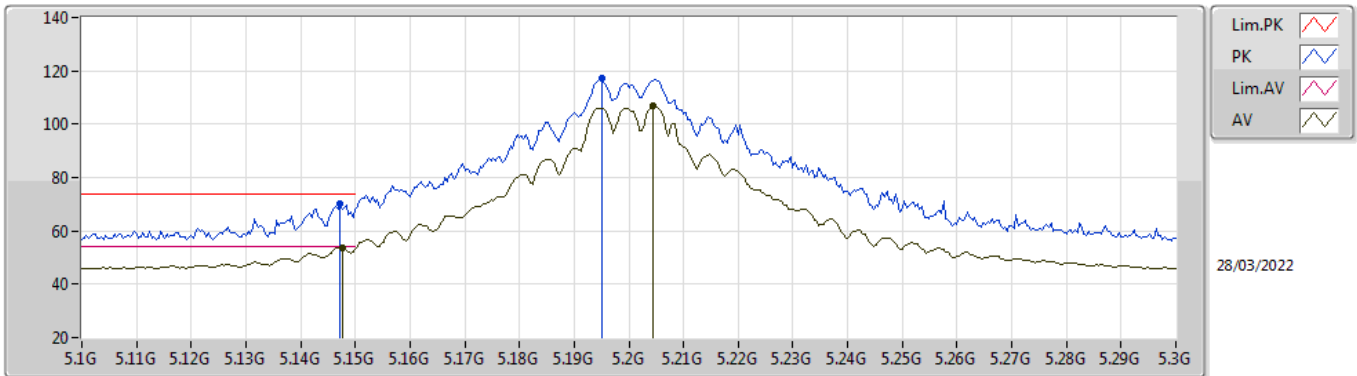


EUT_Z_2TX
Setting 80
02-B-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.5392G	52.39	74.00	-21.61	38.02	3	Horizontal	191	1.88	-	37.78	9.79	33.20
AV	15.5381G	39.42	54.00	-14.58	25.03	3	Horizontal	191	1.88	-	37.79	9.79	33.19

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

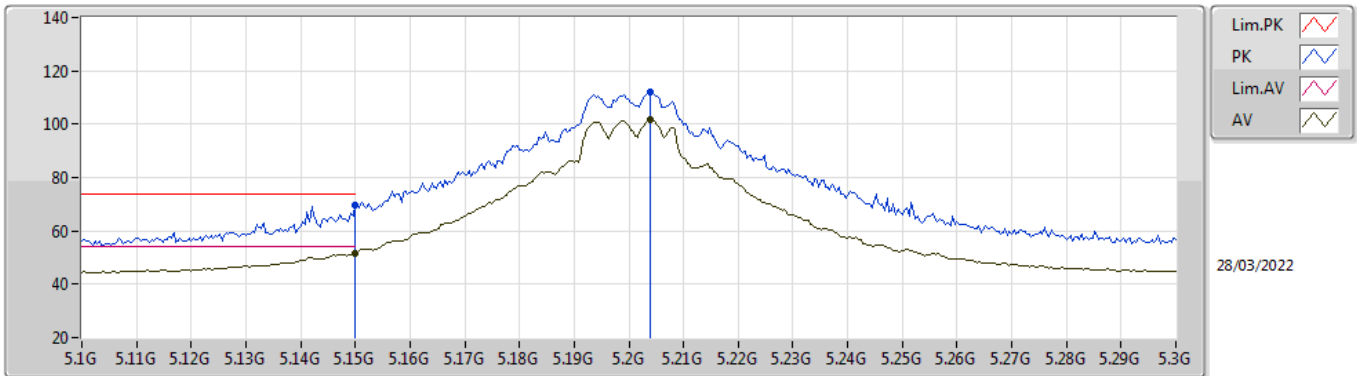


EUT_Z_2TX
Setting 87
02-B-N-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1472G	70.14	74.00	-3.86	63.54	3	Vertical	243	2.62	-	33.50	5.25	32.15
AV	5.1476G	53.82	54.00	-0.18	47.22	3	Vertical	243	2.62	-	33.50	5.25	32.15
PK	5.1952G	117.36	Inf	-Inf	110.71	3	Vertical	243	2.62	-	33.50	5.30	32.15
AV	5.2044G	106.64	Inf	-Inf	99.98	3	Vertical	243	2.62	-	33.51	5.30	32.15

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

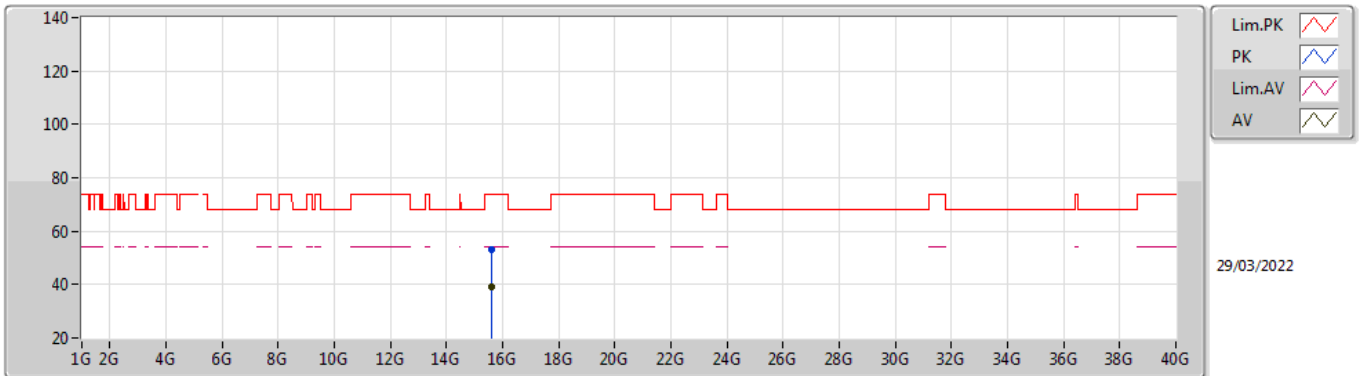


EUT_Z_2TX
Setting 87
02-B-N-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	69.66	74.00	-4.34	63.06	3	Horizontal	28	2.52	-	33.50	5.25	32.15
AV	5.15G	51.60	54.00	-2.40	45.00	3	Horizontal	28	2.52	-	33.50	5.25	32.15
PK	5.204G	112.30	Inf	-Inf	105.64	3	Horizontal	28	2.52	-	33.51	5.30	32.15
AV	5.204G	101.61	Inf	-Inf	94.95	3	Horizontal	28	2.52	-	33.51	5.30	32.15

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

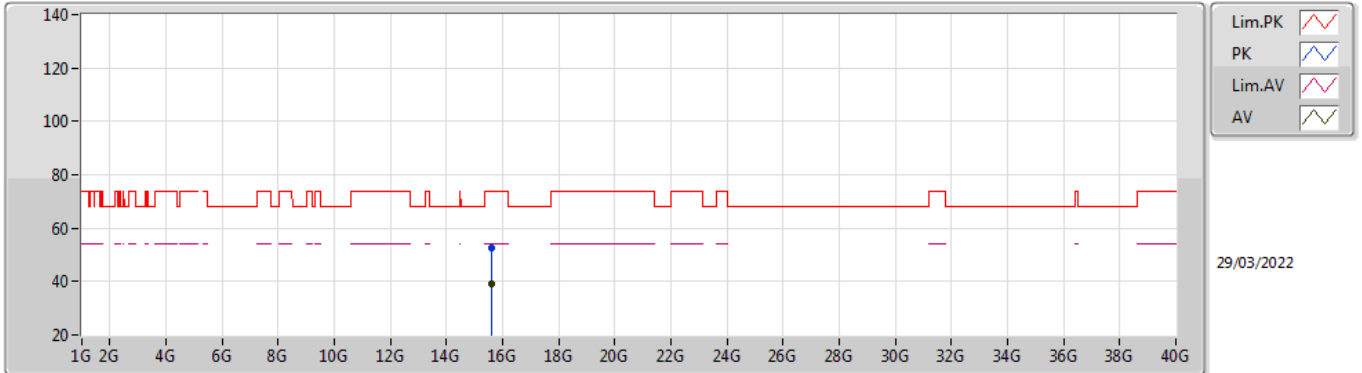


EUT_Z_2TX
Setting 87
02-B-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.60132G	52.93	74.00	-21.07	38.78	3	Vertical	49	2.58	-	37.60	9.82	33.27
AV	15.59646G	39.31	54.00	-14.69	25.14	3	Vertical	49	2.58	-	37.61	9.82	33.26

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

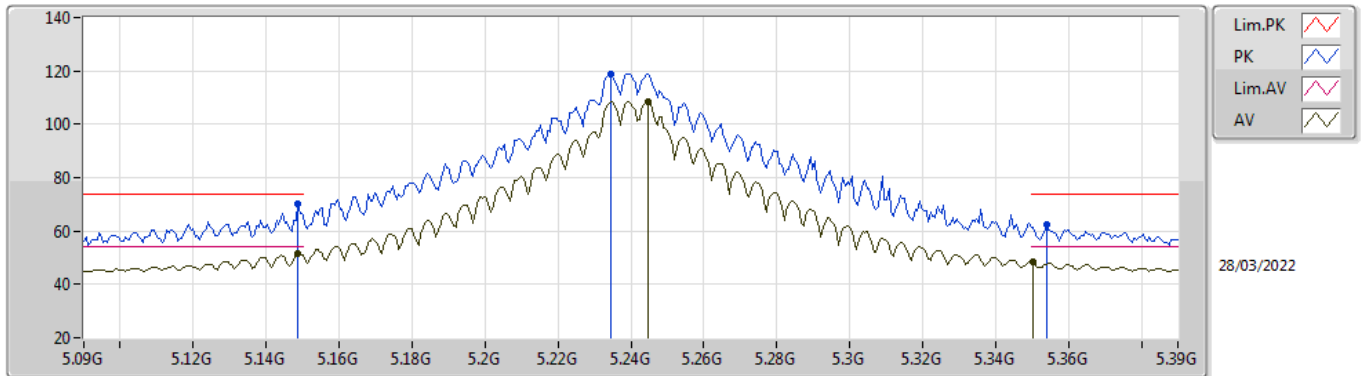


EUT_Z_2TX
Setting 87
02-B-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.59644G	52.35	74.00	-21.65	38.18	3	Horizontal	144	1.92	-	37.61	9.82	33.26
AV	15.59642G	39.30	54.00	-14.70	25.13	3	Horizontal	144	1.92	-	37.61	9.82	33.26

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

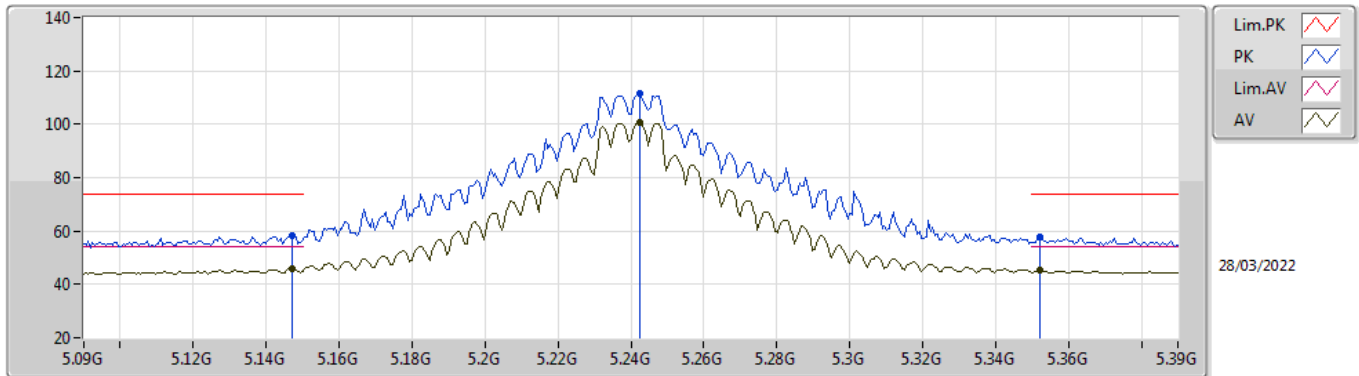


EUT_Z_2TX
Setting 108
02-B-N-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1488G	70.21	74.00	-3.79	63.61	3	Vertical	243	2.84	-	33.50	5.25	32.15
AV	5.1488G	51.60	54.00	-2.40	45.00	3	Vertical	243	2.84	-	33.50	5.25	32.15
PK	5.2346G	118.81	Inf	-Inf	112.07	3	Vertical	243	2.84	-	33.57	5.32	32.15
AV	5.2448G	108.53	Inf	-Inf	101.77	3	Vertical	243	2.84	-	33.59	5.32	32.15
PK	5.354G	62.39	74.00	-11.61	55.44	3	Vertical	243	2.84	-	33.71	5.38	32.14
AV	5.3504G	48.23	54.00	-5.77	41.29	3	Vertical	243	2.84	-	33.70	5.38	32.14

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

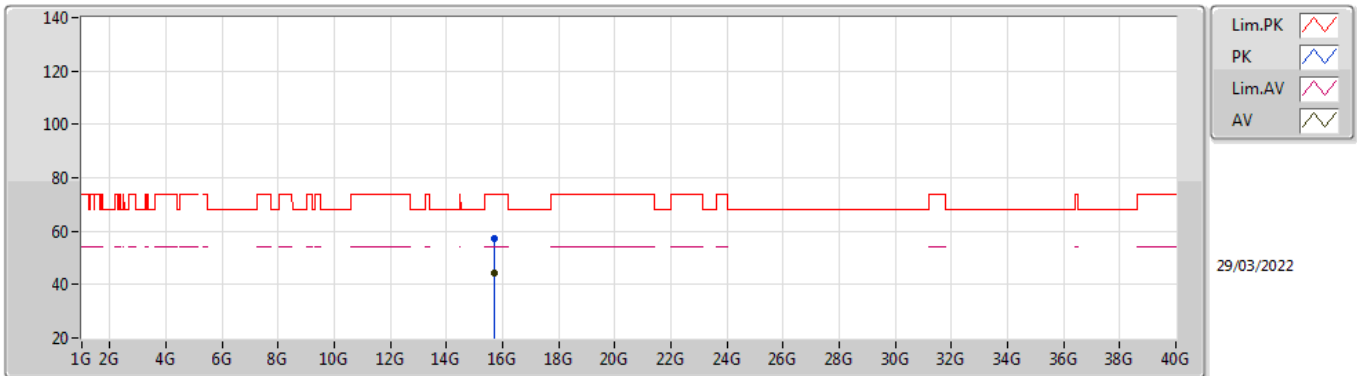


EUT_Z_2TX
Setting 108
02-B-N-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.147G	58.03	74.00	-15.97	51.43	3	Horizontal	321	2.14	-	33.50	5.25	32.15
AV	5.147G	45.87	54.00	-8.13	39.27	3	Horizontal	321	2.14	-	33.50	5.25	32.15
PK	5.2424G	111.66	Inf	-Inf	104.91	3	Horizontal	321	2.14	-	33.58	5.32	32.15
AV	5.2424G	100.80	Inf	-Inf	94.05	3	Horizontal	321	2.14	-	33.58	5.32	32.15
PK	5.3522G	58.01	74.00	-15.99	51.07	3	Horizontal	321	2.14	-	33.70	5.38	32.14
AV	5.3522G	45.36	54.00	-8.64	38.42	3	Horizontal	321	2.14	-	33.70	5.38	32.14

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

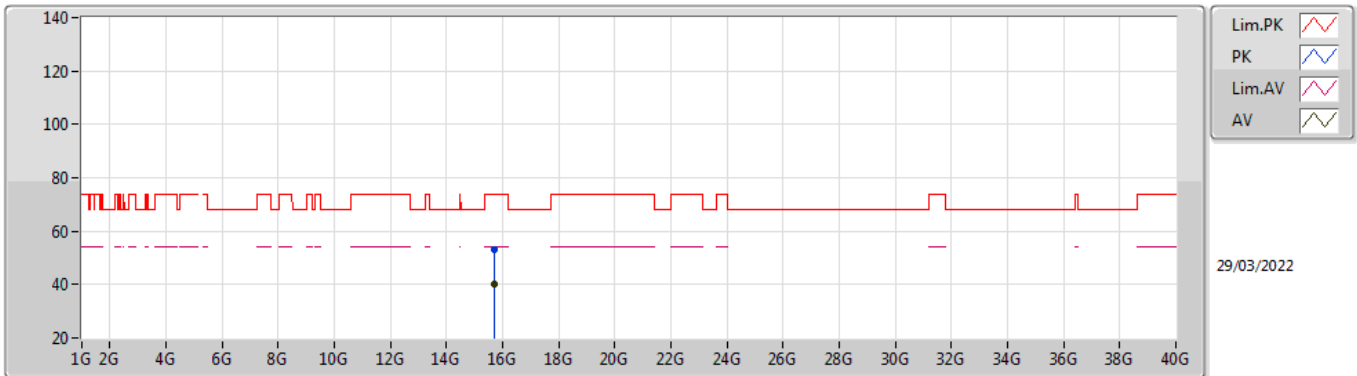


EUT_Z_2TX
Setting 108
02-B-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.721G	57.31	74.00	-16.69	43.45	3	Vertical	116	1.80	-	37.40	9.87	33.41
AV	15.72096G	44.21	54.00	-9.79	30.35	3	Vertical	116	1.80	-	37.40	9.87	33.41

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

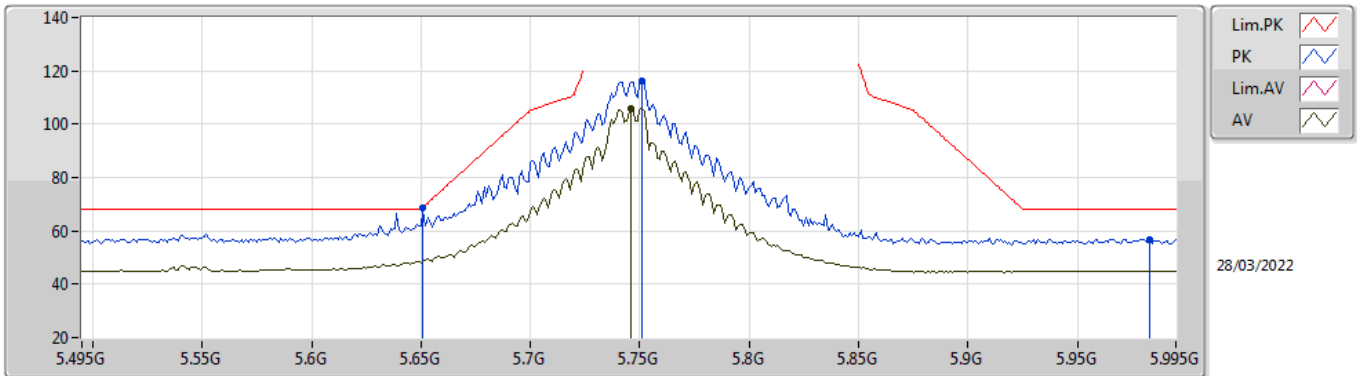


EUT_Z_2TX
Setting 108
02-B-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.71552G	53.24	74.00	-20.76	39.37	3	Horizontal	153	1.80	-	37.40	9.87	33.40
AV	15.72168G	40.26	54.00	-13.74	26.40	3	Horizontal	153	1.80	-	37.40	9.87	33.41

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

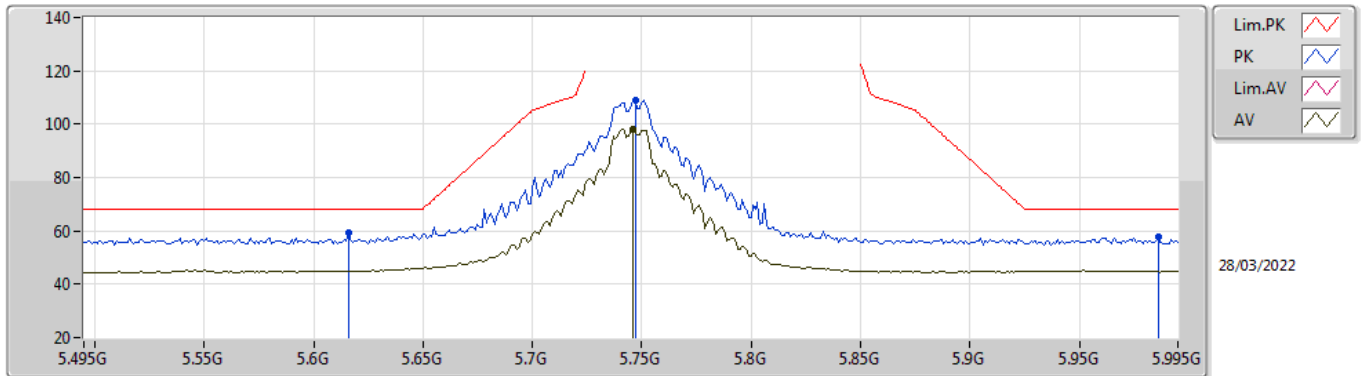


EUT_Z_2TX
Setting 87
02-B-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.651G	68.85	68.94	-0.09	61.59	3	Vertical	123	2.27	-	33.80	5.60	32.14
PK	5.751G	116.34	Inf	-Inf	109.09	3	Vertical	123	2.27	-	33.80	5.60	32.15
AV	5.746G	105.79	Inf	-Inf	98.54	3	Vertical	123	2.27	-	33.79	5.60	32.14
PK	5.983G	56.92	68.20	-11.28	49.20	3	Vertical	123	2.27	-	34.10	5.78	32.16

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

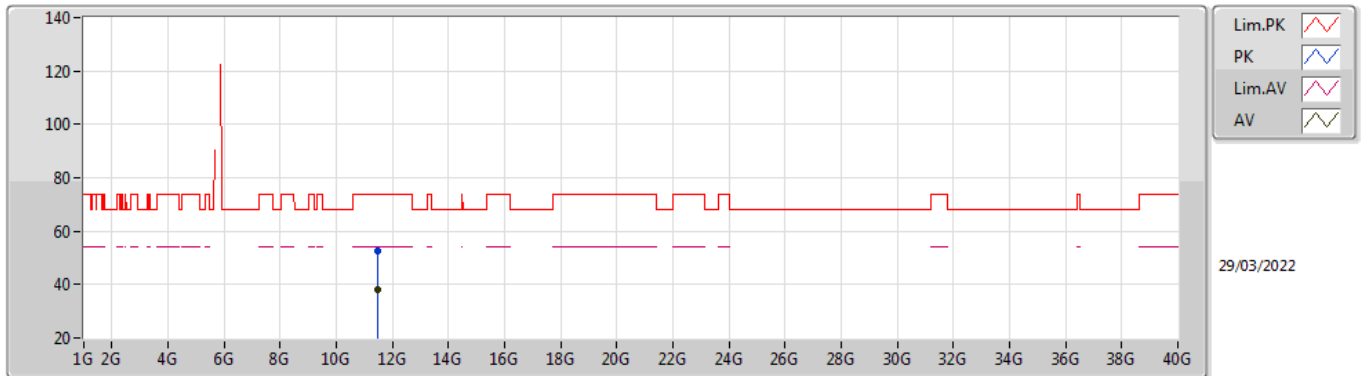


EUT_Z_2TX
Setting 87
02-B-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.616G	59.33	68.20	-8.87	52.00	3	Horizontal	33	2.56	-	33.87	5.60	32.14
PK	5.747G	109.10	Inf	-Inf	101.85	3	Horizontal	33	2.56	-	33.79	5.60	32.14
AV	5.746G	98.11	Inf	-Inf	90.86	3	Horizontal	33	2.56	-	33.79	5.60	32.14
PK	5.986G	57.65	68.20	-10.55	49.92	3	Horizontal	33	2.56	-	34.10	5.79	32.16

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

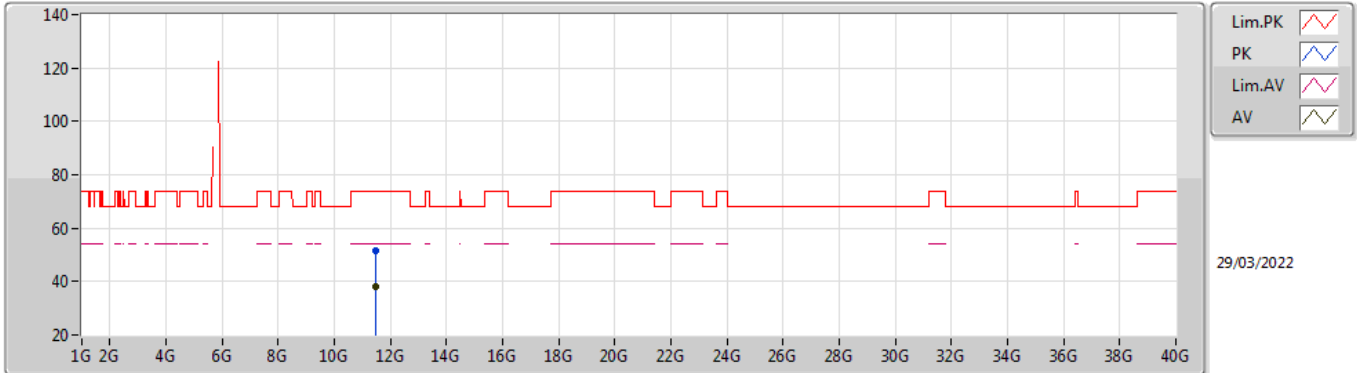


EUT_Z_2TX
Setting 87
02-B-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48504G	52.38	74.00	-21.62	38.74	3	Vertical	321	1.75	-	38.97	7.89	33.22
AV	11.48634G	38.34	54.00	-15.66	24.70	3	Vertical	321	1.75	-	38.97	7.89	33.22

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

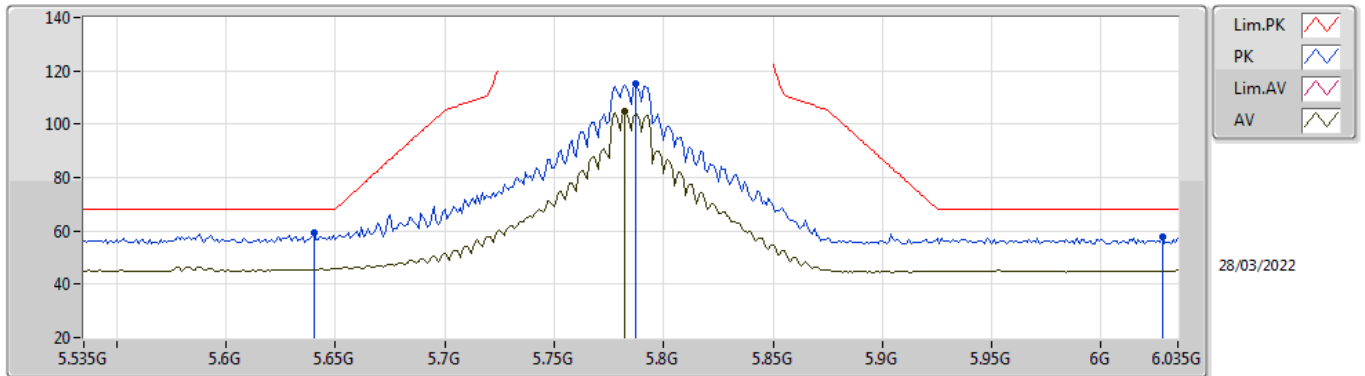


EUT_Z_2TX
Setting 87
02-B-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48796G	51.76	74.00	-22.24	38.10	3	Horizontal	325	1.16	-	38.98	7.90	33.22
AV	11.48534G	38.33	54.00	-15.67	24.69	3	Horizontal	325	1.16	-	38.97	7.89	33.22

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

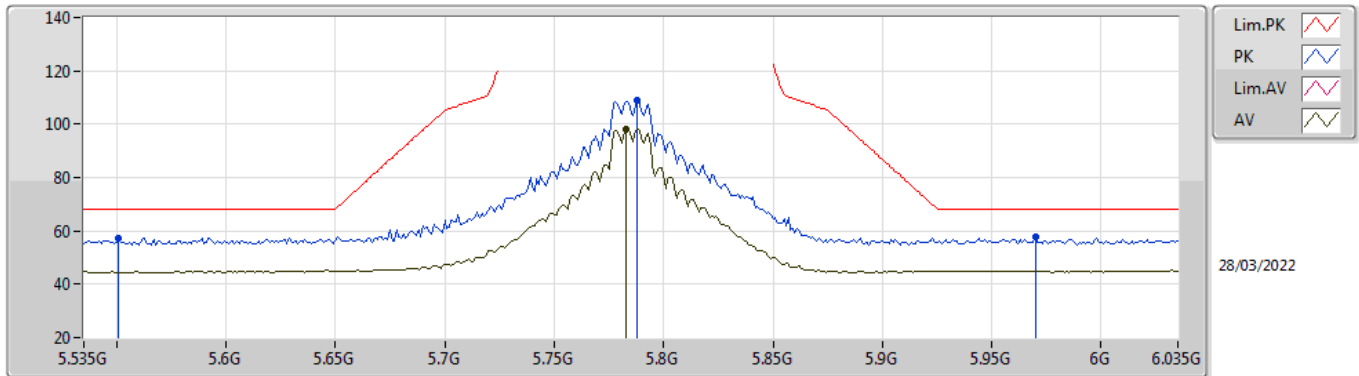


EUT_Z_2TX
Setting 88
02-B-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64G	59.15	68.20	-9.05	51.87	3	Vertical	52	2.31	-	33.82	5.60	32.14
PK	5.787G	114.93	Inf	-Inf	107.75	3	Vertical	52	2.31	-	33.73	5.60	32.15
AV	5.782G	104.72	Inf	-Inf	97.53	3	Vertical	52	2.31	-	33.74	5.60	32.15
PK	6.028G	57.69	68.20	-10.51	49.84	3	Vertical	52	2.31	-	34.21	5.80	32.16

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

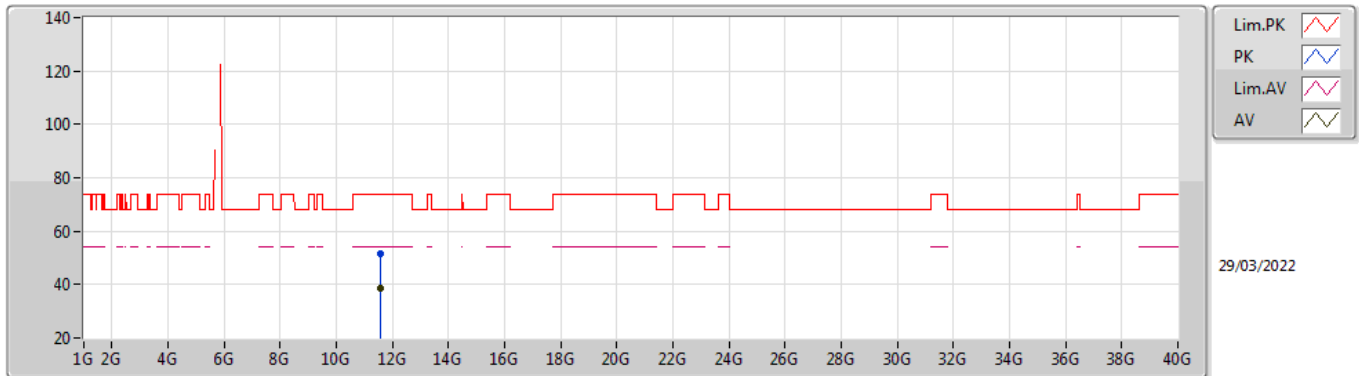


EUT_Z_2TX
Setting 88
02-B-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.551G	57.30	68.20	-10.90	49.98	3	Horizontal	204	2.22	-	33.90	5.55	32.13
PK	5.788G	109.00	Inf	-Inf	101.83	3	Horizontal	204	2.22	-	33.72	5.60	32.15
AV	5.783G	98.30	Inf	-Inf	91.12	3	Horizontal	204	2.22	-	33.73	5.60	32.15
PK	5.97G	57.74	68.20	-10.46	50.03	3	Horizontal	204	2.22	-	34.10	5.77	32.16

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

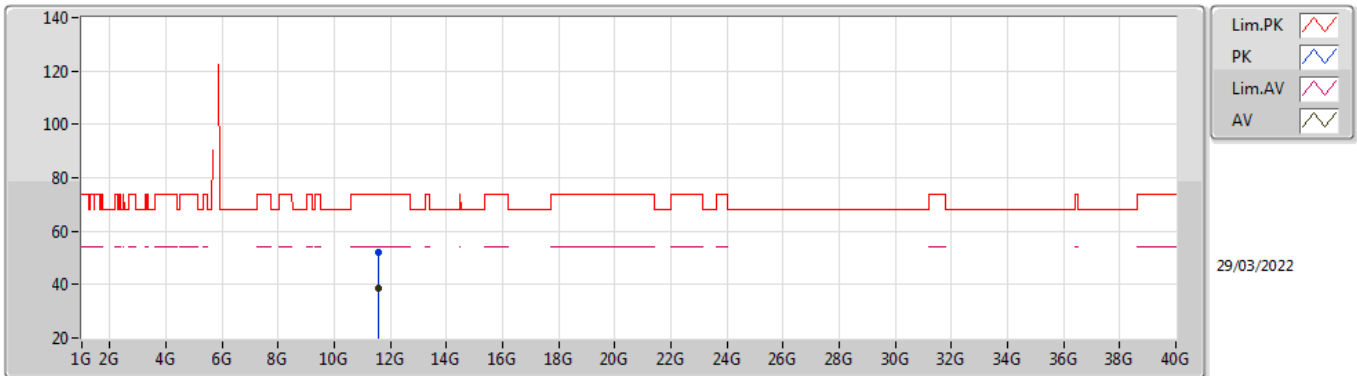


EUT_Z_2TX
Setting 88
02-B-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.56912G	51.45	74.00	-22.55	37.55	3	Vertical	59	1.71	-	39.21	7.93	33.24
AV	11.56704G	38.40	54.00	-15.60	24.51	3	Vertical	59	1.71	-	39.20	7.93	33.24

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

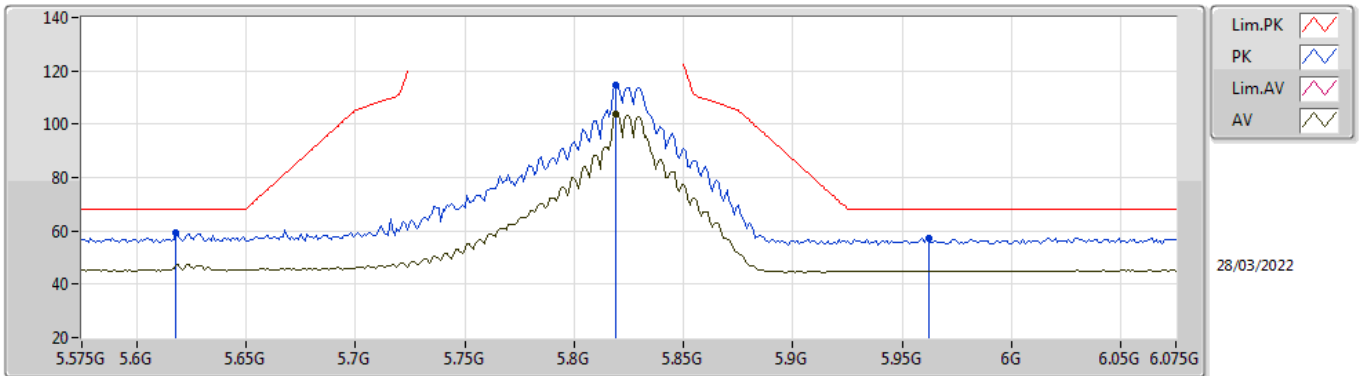


EUT_Z_2TX
Setting 88
02-B-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57884G	52.06	74.00	-21.94	38.13	3	Horizontal	161	2.12	-	39.24	7.93	33.24
AV	11.56868G	38.43	54.00	-15.57	24.53	3	Horizontal	161	2.12	-	39.21	7.93	33.24

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

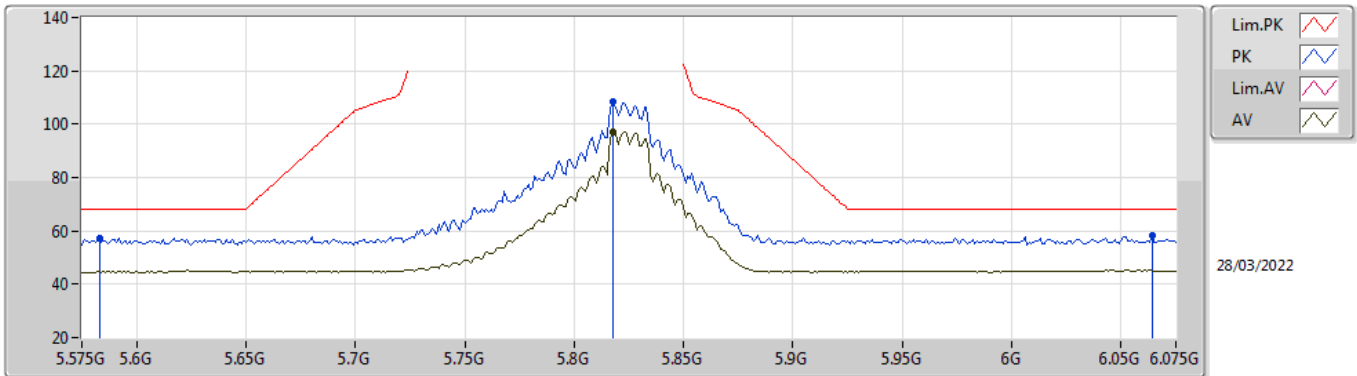


EUT_Z_2TX
Setting 88
02-B-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.618G	59.41	68.20	-8.79	52.09	3	Vertical	308	2.33	-	33.86	5.60	32.14
PK	5.819G	114.75	Inf	-Inf	107.54	3	Vertical	308	2.33	-	33.74	5.62	32.15
AV	5.819G	103.76	Inf	-Inf	96.55	3	Vertical	308	2.33	-	33.74	5.62	32.15
PK	5.962G	57.44	68.20	-10.76	49.74	3	Vertical	308	2.33	-	34.10	5.76	32.16

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

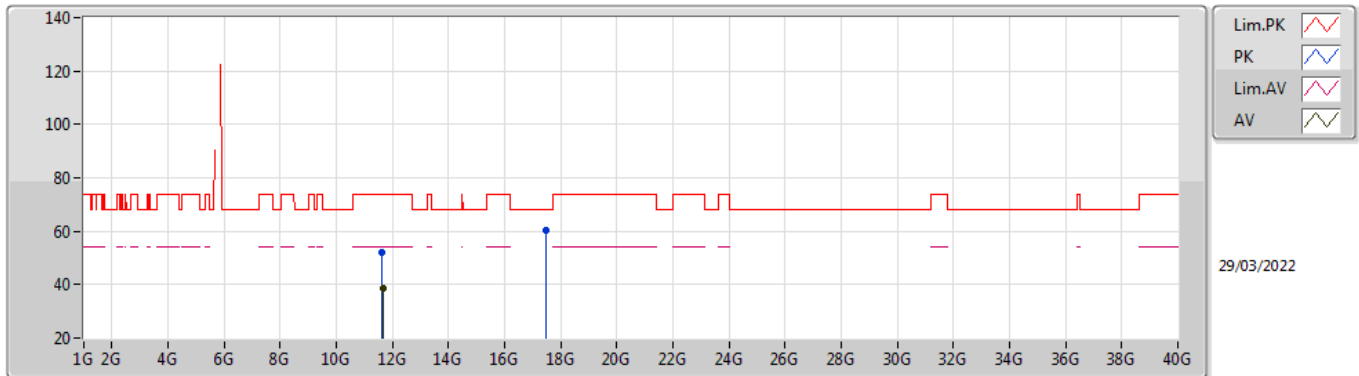


EUT_Z_2TX
Setting 88
02-B-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.583G	57.38	68.20	-10.82	50.03	3	Horizontal	203	2.22	-	33.90	5.58	32.13
PK	5.818G	108.62	Inf	-Inf	101.41	3	Horizontal	203	2.22	-	33.74	5.62	32.15
AV	5.818G	97.13	Inf	-Inf	89.92	3	Horizontal	203	2.22	-	33.74	5.62	32.15
PK	6.064G	58.22	68.20	-9.98	50.25	3	Horizontal	203	2.22	-	34.33	5.80	32.16

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

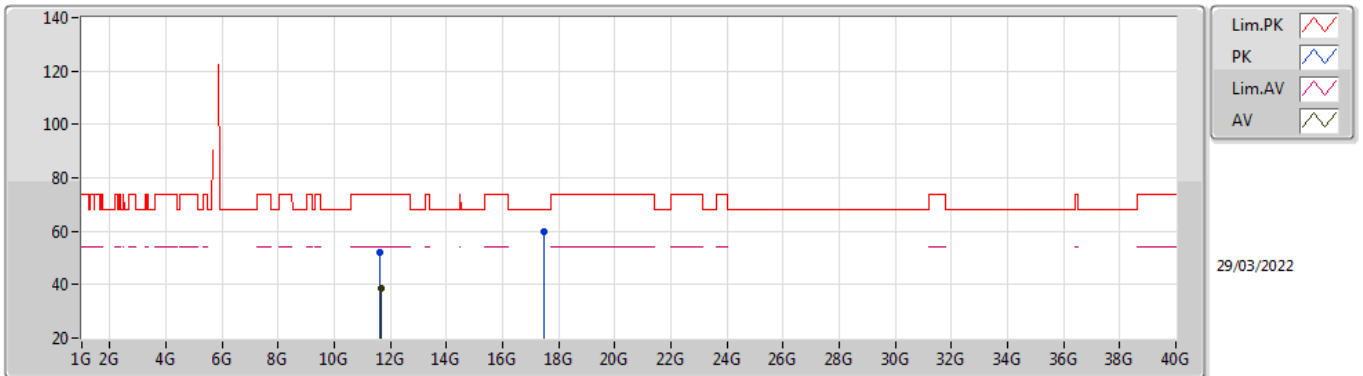


EUT_Z_2TX
Setting 88
02-B-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.64292G	52.31	74.00	-21.69	38.27	3	Vertical	225	1.41	-	39.34	7.96	33.26
AV	11.65176G	38.79	54.00	-15.21	24.74	3	Vertical	225	1.41	-	39.35	7.96	33.26
PK	17.46648G	60.21	68.20	-7.99	38.92	3	Vertical	32	1.80	-	43.57	10.73	33.01

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom



EUT_Z_2TX
Setting 88
02-B-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.64064G	52.21	74.00	-21.79	38.17	3	Horizontal	329	1.49	-	39.34	7.96	33.26
AV	11.65812G	38.69	54.00	-15.31	24.63	3	Horizontal	329	1.49	-	39.36	7.96	33.26
PK	17.4676G	59.82	68.20	-8.38	38.53	3	Horizontal	260	1.26	-	43.57	10.73	33.01