Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	MSQ-RTBE6X00
Equipment	:	BE30000 Quad Band WiFi Router
Brand Name	:	ASUS
Model Name	:	BQ16 Pro
Applicant	:	ASUSTeK COMPUTER INC. 1F., No. 15, Lide Rd., Beitou, Taipei City 112, Taiwan
Standard	:	47 CFR FCC Part 15.407

The product was received on Jul. 31, 2023, and testing was started from Jul. 31, 2023 and completed on Oct. 23, 2023. 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
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History of this test report

Report No.	Version	Description	Issued Date
FR351907AB	01	Initial issue of report	Nov. 03, 2023

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	-
3.4	15.407(a)	Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

1. The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

Reviewed by: Sam Chen
Report Producer: Sophia Shiung

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), be (EHT20)	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), be (EHT40)	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), be (EHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5690	106-138 [3]
5725-5850		5775	155 [1]
5150-5350	ac (VHT160), ax (HEW160), be (EHT160)	5250	50 [1]
5470-5725		5570	114 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11n HT20-BF	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11ax HEW20	20	4TX
5.15-5.25GHz	802.11ax HEW20-BF	20	4TX
5.15-5.25GHz	802.11be EHT20	20	4TX
5.15-5.25GHz	802.11be EHT20-BF	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11n HT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ax HEW40	40	4TX
5.15-5.25GHz	802.11ax HEW40-BF	40	4TX

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11be EHT40	40	4TX
5.15-5.25GHz	802.11be EHT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.15-5.25GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW80-BF	80	4TX
5.15-5.25GHz	802.11be EHT80	80	4TX
5.15-5.25GHz	802.11be EHT80-BF	80	4TX
5.15-5.35GHz	802.11ac VHT160	160	4TX
5.15-5.35GHz	802.11ac VHT160-BF	160	4TX
5.15-5.35GHz	802.11ax HEW160	160	4TX
5.15-5.35GHz	802.11ax HEW160-BF	160	4TX
5.15-5.35GHz	802.11be EHT160	160	4TX
5.15-5.35GHz	802.11be EHT160-BF	160	4TX
5.25-5.47GHz	802.11a	20	4TX
5.25-5.47GHz	802.11n HT20	20	4TX
5.25-5.47GHz	802.11n HT20-BF	20	4TX
5.25-5.47GHz	802.11ac VHT20	20	4TX
5.25-5.47GHz	802.11ac VHT20-BF	20	4TX
5.25-5.47GHz	802.11ax HEW20	20	4TX
5.25-5.47GHz	802.11ax HEW20-BF	20	4TX
5.25-5.47GHz	802.11be EHT20	20	4TX
5.25-5.47GHz	802.11be EHT20-BF	20	4TX
5.25-5.47GHz	802.11n HT40	40	4TX
5.25-5.47GHz	802.11n HT40-BF	40	4TX
5.25-5.47GHz	802.11ac VHT40	40	4TX
5.25-5.47GHz	802.11ac VHT40-BF	40	4TX
5.25-5.47GHz	802.11ax HEW40	40	4TX
5.25-5.47GHz	802.11ax HEW40-BF	40	4TX
5.25-5.47GHz	802.11be EHT40	40	4TX
5.25-5.47GHz	802.11be EHT40-BF	40	4TX
5.25-5.47GHz	802.11ac VHT80	80	4TX
5.25-5.47GHz	802.11ac VHT80-BF	80	4TX
5.25-5.47GHz	802.11ax HEW80	80	4TX
5.25-5.47GHz	802.11ax HEW80-BF	80	4TX
5.25-5.47GHz	802.11be EHT80	80	4TX
5.25-5.47GHz	802.11be EHT80-BF	80	4TX

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11n HT20-BF	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20-BF	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20-BF	20	4TX
5.47-5.725GHz	802.11be EHT20	20	4TX
5.47-5.725GHz	802.11be EHT20-BF	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11n HT40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40-BF	40	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40-BF	40	4TX
5.47-5.725GHz	802.11be EHT40	40	4TX
5.47-5.725GHz	802.11be EHT40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80-BF	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80-BF	80	4TX
5.47-5.725GHz	802.11be EHT80	80	4TX
5.47-5.725GHz	802.11be EHT80-BF	80	4TX
5.47-5.725GHz	802.11ac VHT160	160	4TX
5.47-5.725GHz	802.11ac VHT160-BF	160	4TX
5.47-5.725GHz	802.11ax HEW160	160	4TX
5.47-5.725GHz	802.11ax HEW160-BF	160	4TX
5.47-5.725GHz	802.11be EHT160	160	4TX
5.47-5.725GHz	802.11be EHT160-BF	160	4TX
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11n HT20-BF	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20-BF	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX
5.725-5.85GHz	802.11ax HEW20-BF	20	4TX
5.725-5.85GHz	802.11be EHT20	20	4TX

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11be EHT20-BF	20	4TX
5.725-5.85GHz	802.11n HT40	40	4TX
5.725-5.85GHz	802.11n HT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40-BF	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ax HEW40-BF	40	4TX
5.725-5.85GHz	802.11be EHT40	40	4TX
5.725-5.85GHz	802.11be EHT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80-BF	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80-BF	80	4TX
5.725-5.85GHz	802.11be EHT80	80	4TX
5.725-5.85GHz	802.11be EHT80-BF	80	4TX

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- EHT20, EHT40, EHT80 and EHT160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Walsin	RFDPA220510IMLB901	Dipole	I-PEX	Note 1
2	Walsin	RFDPA220513IMLB901	Dipole	I-PEX	
3	Walsin	RFPCA180916IMLB901	Dipole	I-PEX	
4	Walsin	RFPCA251813IMLB901	Dipole	I-PEX	
5	Walsin	RFDPA100504IM6B901	Dipole	I-PEX	
6	Walsin	RFDPA100514IM6B901	Dipole	I-PEX	
7	Walsin	RFDPA100509IM6B901	Dipole	I-PEX	
8	Walsin	RFDPA100507IM6B901	Dipole	I-PEX	
9	Walsin	RFDPA100506IM6B901	Dipole	I-PEX	
10	Walsin	RFDPA100506IM6B902	Dipole	I-PEX	
11	Walsin	RFDPA100505IM6B901	Dipole	I-PEX	
12	Walsin	RFDPA100512IM6B901	Dipole	I-PEX	
13	Walsin	RFPCA180915IMLB901	Dipole	I-PEX	

Note 1:

Ant.	Port		Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz	WLAN 2.4GHz	WLAN 5GHz			
				UNII 1	UNII 2A	UNII 2C	UNII 3
1	1	1	2.48	2.10	2.16	2.31	2.30
2	2	2	2.46	3.09	3.47	2.84	3.65
3	3	3	2.80	2.67	2.36	2.36	2.39
4	4	4	2.04	2.15	2.42	2.50	2.01

Ant.	Port		Antenna Gain (dBi)		
	WLAN 6GHz UNII 5	WLAN 6GHz UNII 7~8	WLAN 6GHz		
			UNII 5	UNII 7	UNII 8
5	3	-	1.72	-	-
6	2	-	1.68	-	-
7	1	-	2.77	-	-
8	4	-	2.08	-	-
9	-	2	-	2.27	1.82
10	-	1	-	1.52	1.70
11	-	3	-	3.71	3.40
12	-	4	-	2.11	2.23
13	-	-	-	-	-

Item	Directional gain (dBi)							
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz		
		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 7	UNII 8
4T1S	4.60	4.94	4.51	4.43	4.70	4.13	4.23	4.84
4T2S	2.80	3.09	3.47	2.84	3.65	2.77	3.71	3.40
4T4S	2.80	3.09	3.47	2.84	3.65	2.77	3.71	3.40

Note 2: The above information (except antenna gain and directional gain) was declared by manufacturer.
Note 3: The antenna gain and directional gain are measured which follow the procedure of KDB 662911 D03.

Note 4: **For 2.4GHz function:**

For IEEE 802.11 b/g/n/VHT/ax/be (4TX/4RX):

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be (4TX/4RX):

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

For Zero-wait function (1RX):

Only Ant. 13 can be used as receiving antenna.

For 6GHz function:

For IEEE 802.11 ax/be (4TX/4RX):

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20-BF	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40-BF	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80-BF	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT160-BF	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax/be in 2.4GHz, n/ac/ax/be in 5GHz and ax/be in 6GHz.			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
	☒	Point-to-multipoint	☐	Point-to-point
TPC Function	☒	With TPC	☐	Without TPC
Channel Puncturing Function	☐	Supported	☒	Unsupported
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	Mtool_V3.3.0.4			

Note: The above information was declared by manufacturer.

1.1.5 Table for Radio Function

Radio (R)	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz UNII 5	WLAN 6GHz UNII 7~8
R1	V (20/40MHz)	-	-	-
R2	-	V (20/40/80/160MHz)	-	-
R3	-	-	V (20/40/80/160/320MHz)	-
R4	-	-		V (20/40/80/160/320MHz)

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT supports functions

Function
AP Router
Mesh

Note 1: After evaluating, AP Router mode was selected to test and recorded in the report.
Note 2: 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	KJ Chang	23.2~24.5 / 62~64	Sep. 04, 2023~ Oct. 16, 2023
Radiated	03CH06-CB	Black Lu	22.2~23.3 / 56~57	Jul. 31, 2023~ Oct. 23, 2023
AC Conduction	CO01-CB	Ryan Huang	20~21 / 55~57	Aug. 22, 2023

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)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	88
5200MHz	93
5240MHz	93
5260MHz	68
5300MHz	69
5320MHz	69
5500MHz	71
5580MHz	68
5700MHz	70
5720MHz Straddle 5.47-5.725GHz	69
5720MHz Straddle 5.725-5.85GHz	69
5745MHz	93
5785MHz	94
5825MHz	104
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	78
5200MHz	84
5240MHz	91
5260MHz	66
5300MHz	68
5320MHz	71
5500MHz	70
5580MHz	66
5700MHz	69
5720MHz Straddle 5.47-5.725GHz	69
5720MHz Straddle 5.725-5.85GHz	69
5745MHz	92
5785MHz	93
5825MHz	101
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	80
5230MHz	89
5270MHz	67
5310MHz	71
5510MHz	70

Mode	Power Setting
5550MHz	67
5670MHz	68
5710MHz Straddle 5.47-5.725GHz	71
5710MHz Straddle 5.725-5.85GHz	71
5755MHz	93
5795MHz	97
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	80
5290MHz	70
5530MHz	70
5610MHz	65
5690MHz Straddle 5.47-5.725GHz	69
5690MHz Straddle 5.725-5.85GHz	69
5775MHz	86
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	75
5250MHz Straddle 5.25-5.35GHz	75
5570MHz	70
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-
5180MHz	80
5200MHz	92
5240MHz	92
5260MHz	67
5300MHz	68
5320MHz	72
5500MHz	70
5580MHz	67
5700MHz	69
5720MHz Straddle 5.47-5.725GHz	70
5720MHz Straddle 5.725-5.85GHz	70
5745MHz	93
5785MHz	94
5825MHz	110
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-
5190MHz	81
5230MHz	92
5270MHz	67
5310MHz	71
5510MHz	70
5550MHz	67

Mode	Power Setting
5670MHz	68
5710MHz Straddle 5.47-5.725GHz	72
5710MHz Straddle 5.725-5.85GHz	72
5755MHz	93
5795MHz	96
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-
5210MHz	82
5290MHz	70
5530MHz	70
5610MHz	65
5690MHz Straddle 5.47-5.725GHz	69
5690MHz Straddle 5.725-5.85GHz	69
5775MHz	88
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	72
5250MHz Straddle 5.25-5.35GHz	72
5570MHz	69

Note:
- EHT20 / EHT40 / EHT80 / EHT160 covers HT20 / HT40 / VHT20 / VHT40 / VHT80 / VHT160 / HEW20 / HEW40 / HEW80 / HEW160 due to similar modulation. The power setting for HT20 / HT40 / VHT20 / VHT40 / VHT80 / VHT160 / HEW20 / HEW40 / HEW80 / HEW160 is the same or lower than EHT20 / EHT40 / EHT80 / EHT160.
- The EUT supports non-beamforming and beamforming modes. After evaluating, the beamforming mode was selected to test.

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
1	EUT + Adapter 1 + Power cord
2	EUT + Adapter 2
For operating, mode 2 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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis + Adapter 1 + Power cord_WLAN 2.4GHz
2	EUT in Y axis + Adapter 2_WLAN 2.4GHz
Mode 2 has been evaluated to be the worst case among Mode 1~2, so measurement for Mode 3~5 will follow this same test mode.	
3	EUT in Y axis + Adapter 2_WLAN 5GHz
4	EUT in Y axis + Adapter 2_WLAN 6GHz UNII 5
5	EUT in Y axis + Adapter 2_WLAN 6GHz UNII 7~8
For operating, mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis

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
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis_WLAN 2.4GHz + WLAN 5GHz
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	
1	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz UNII 5 + WLAN 6GHz UNII 7~8
Refer to Sporton Test Report No.: FA351907 for Co-location RF Exposure Evaluation.	

Note 1: The AC adapter was for measurement only and would not be marketed. Its information is shown as below:

Equipment	Brand Name	Model Name
AC Adapter	ASUS	ADP-45BW B

2.3 EUT Operation during Test

For CTX Mode:

Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

Beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 10 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Wireless AP and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
Equipment Name	**Brand Name**	**Model Name**	**Rating**	**Remark**
Adapter 1	AcBel	ADD011	Input: 100-240V~, 1.7A, 50-60Hz Output: +19.5V, 3.33A, 65.0W MAX.	DC power cable: Non-shielded, 1.5m
Adapter 2	LEI	MU60B3120500-A1	Input: 100-240V~50/60Hz, 1.5A Output: 12.0V, 5.0A	-
Others				
Power cord*1: Non-shielded, 0.8m (for Adapter 1 use)				
RJ-45 cable*1: Shielded, 1.5m				

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	WAN/LAN2 NB	DELL	T3400	N/A
B	LAN3 10G NB	DELL	T3400	N/A
C	2.4G NB	DELL	T3400	N/A
D	5G NB	DELL	T3400	N/A
E	HDD3.0	WD	WDBACY5000AWT	N/A
F	LAN4 NB	DELL	T3400	N/A
G	WAN/LAN1 10G NB	DELL	T3400	N/A
H	6GH Client	INTEL	AX210NGW	PD9AX210NG
I	6GH NB	DELL	E6430	N/A
J	6GL NB	DELL	E6430	N/A
K	6GL Client	INTEL	AX210NGW	PD9AX210NG
L	LAN5 NB	DELL	T3400	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

For Radiated (above 1GHz):
<Non-beamforming mode>

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	AC Adapter	ASUS	ADP-45BW B	N/A

<Beamforming mode>

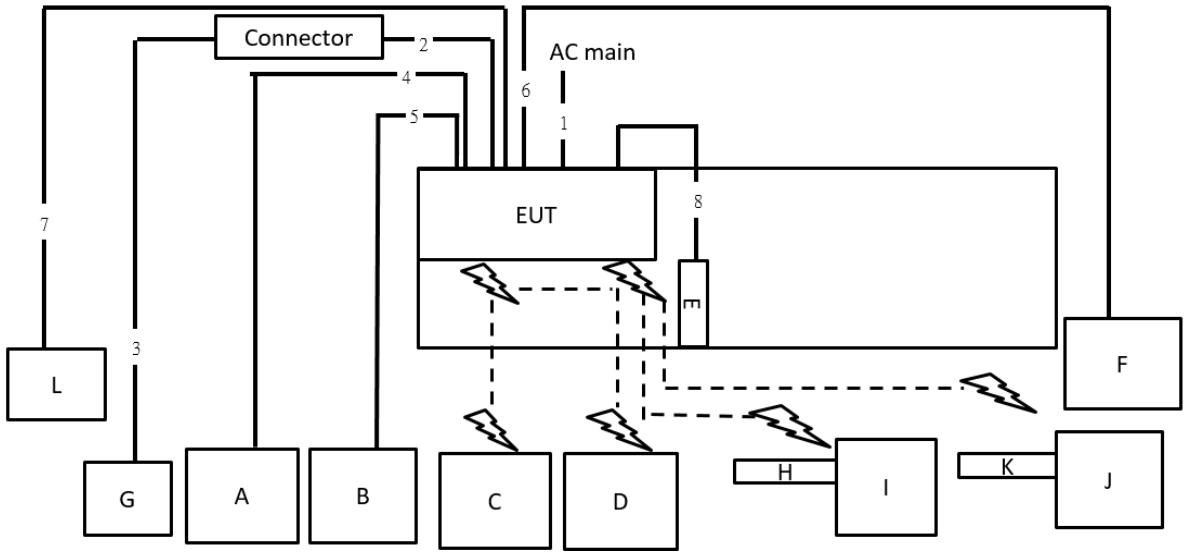
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	WLAN AP	ASUS	BQ16 Pro	N/A
C	NB	DELL	E4300	N/A
D	AC Adapter	ASUS	ADP-45BW B	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

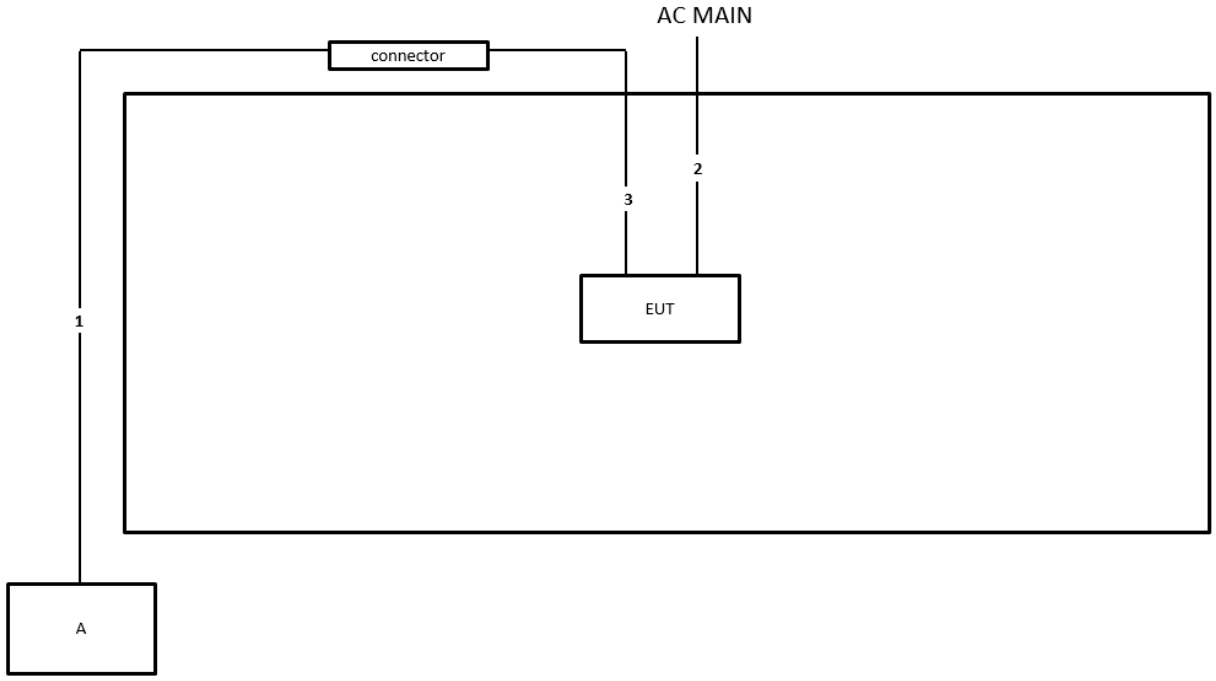
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



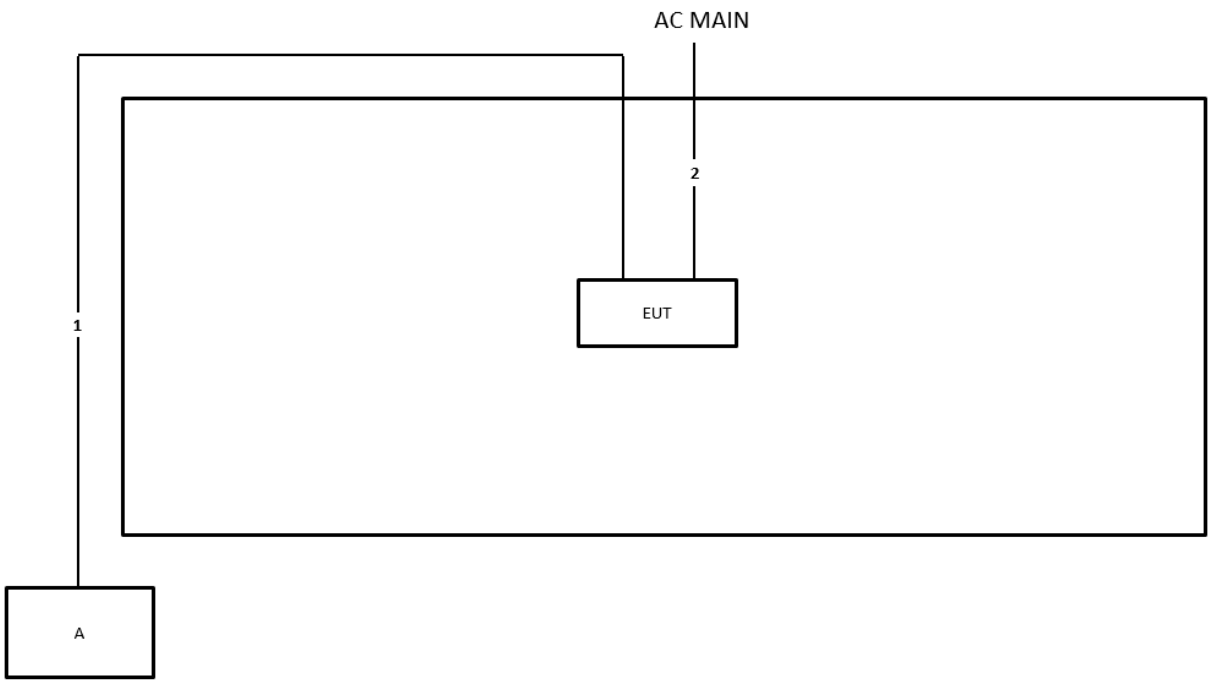
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable(Cat6)	Yes	1.5m
3	RJ-45 cable(Cat6)	Yes	10m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	10m
6	RJ-45 cable	No	10m
7	RJ-45 cable	No	10m
8	USB cable	Yes	2m

Test Setup Diagram - Radiated Test < 1GHz



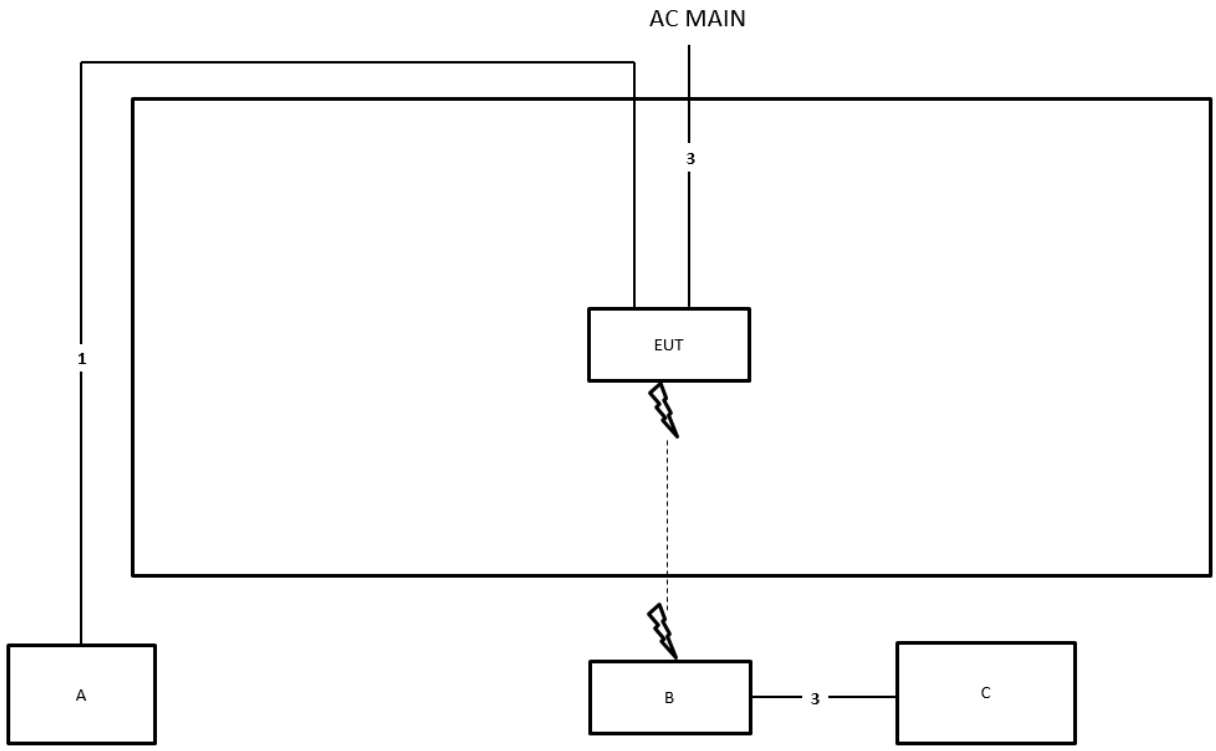
Item	Connection	Shielded	Length
1	RJ-45 cable	Yes	10m
2	Power cable	No	1.8m
3	RJ-45 cable	Yes	1.5m

Test Setup Diagram - Radiated Test > 1GHz
<Non-beamforming mode>



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.8m

Test Setup Diagram - Radiated Test > 1GHz
<Beamforming mode>



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.8m
3	RJ-45 cable	No	1.5m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

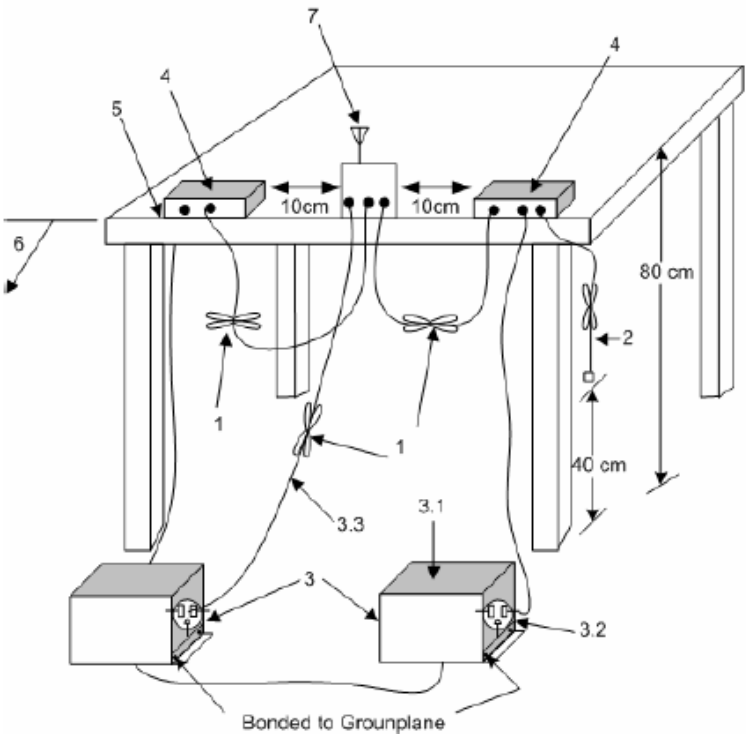
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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

3.2.2 Measuring Instruments

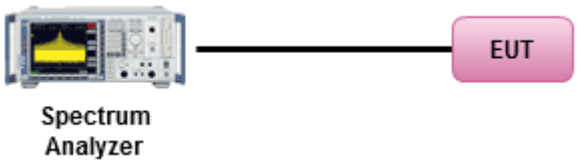
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method		
▪	For the emission bandwidth shall be measured using one of the options below:	
	☒	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.
	☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
	☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Output Power

3.3.1 Limit

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

3.3.2 Measuring Instruments

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

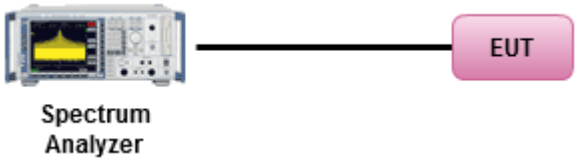
3.3.3 Test Procedures

Test Method	
	Average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
	☐ 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
	☒ Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
☒	For conducted measurement.
	▪ 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$
☐	For radiated measurement.
	▪ 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 mode:

Conducted Measurement (Spectrum Analyzer)



For other mode:

Conducted Measurement (Power Meter)

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	
☒	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6)..
☒	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
	▪ 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° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40° -35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45°
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

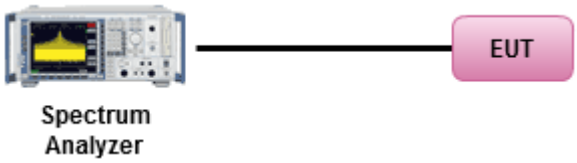
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method			
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:			
	☐ Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth		
	[duty cycle ≥ 98% or external video / power trigger]		
	☒ Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).		
	☐ 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		
	☒ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).		
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)		
☒ For conducted measurement.			
	▪ If the EUT supports multiple transmit chains using options given below:		
		☒ 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.	
		☐ 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,	
		☐ 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.	
	▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$		
☐ For radiated measurement.			
	▪ 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.		

3.4.4 Test Setup

Conducted Measurement


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**
☒ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.725 - 5.85 GHz	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.
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

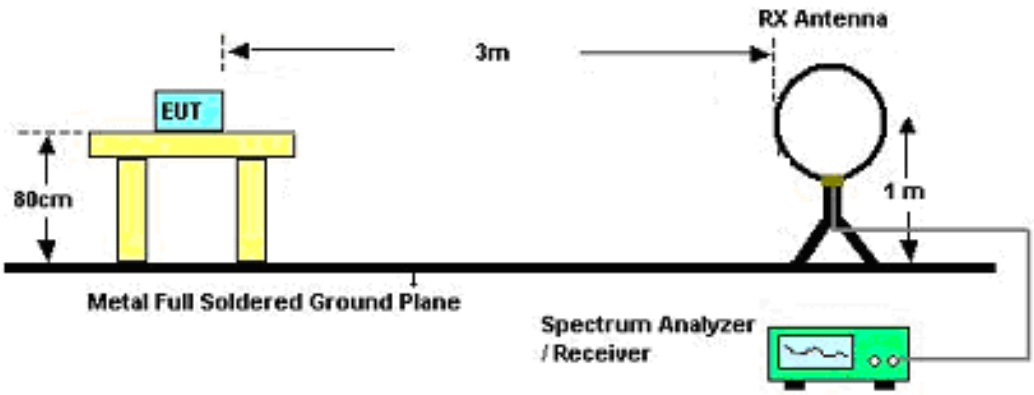
Test Method		
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ For the transmitter unwanted emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.	
	▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
		☒ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
		☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.

Test Method	
▪ For radiated measurement.	
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
▪ The any unwanted emissions level shall not exceed the fundamental emission level.	
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

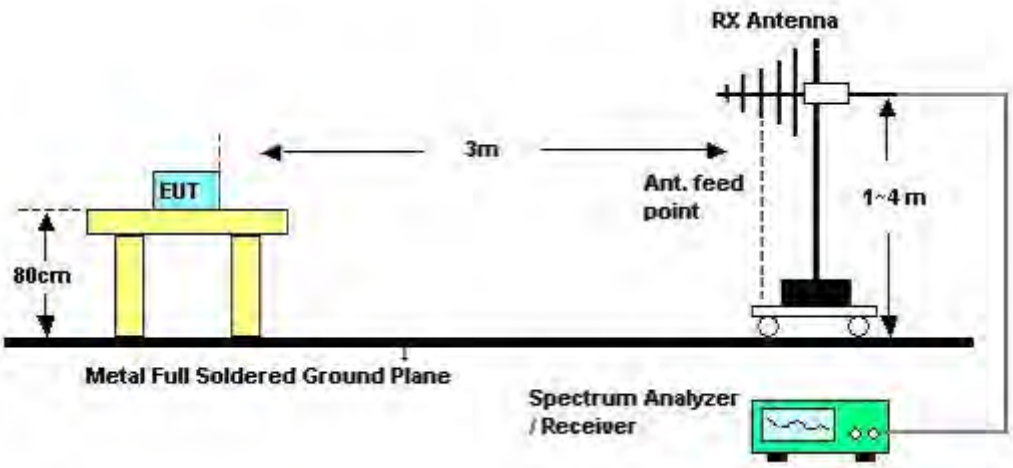
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

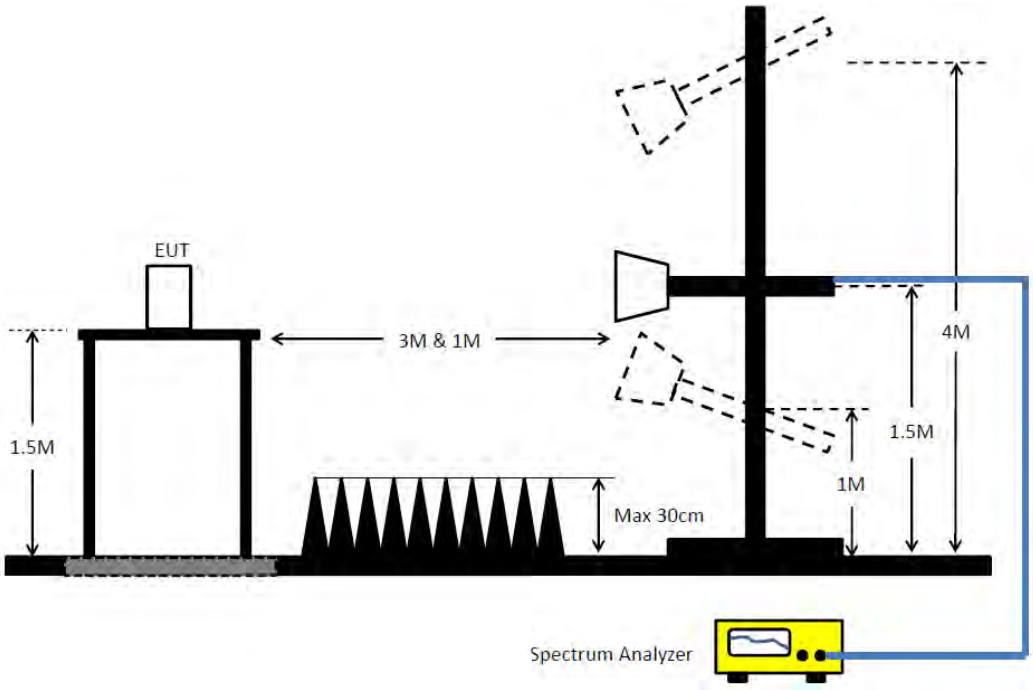
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 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. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	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. 23, 2023	Mar. 22, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 04, 2022	Aug. 03. 2023	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 03, 2023	Aug. 02, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Sep. 30, 2022	Sep. 29, 2023	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 05, 2023	May 04, 2024	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 31, 2022	Jul. 30, 2023	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 30, 2023	Jul. 29, 2024	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 02, 2022	Aug. 01, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH06-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 21, 2022	Dec. 20, 2023	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-68	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Dec. 21, 2022	Dec. 20, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 14, 2023	Aug. 13, 2024	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1531343	300MHz~40GHz	Aug. 23, 2023	Aug. 22, 2024	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1728001	300MHz~40GHz	Aug. 23, 2023	Aug. 22, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 –26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

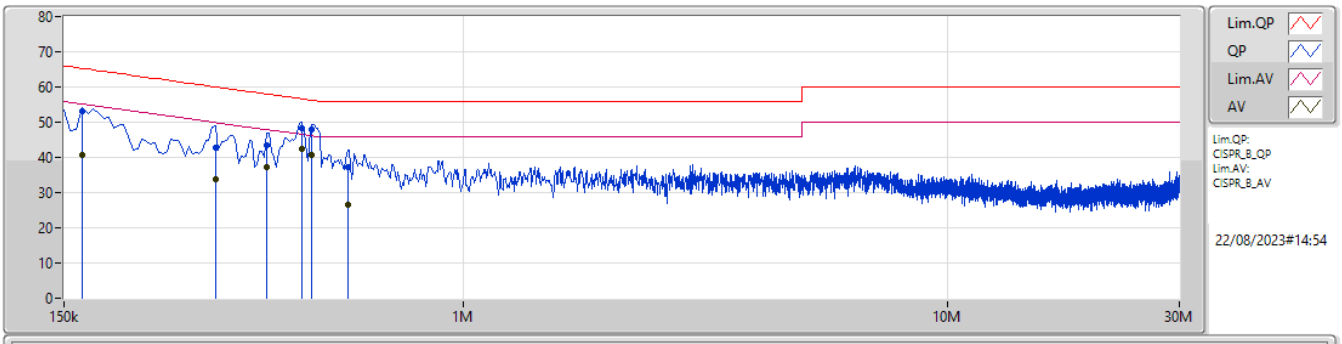
Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.

Summary

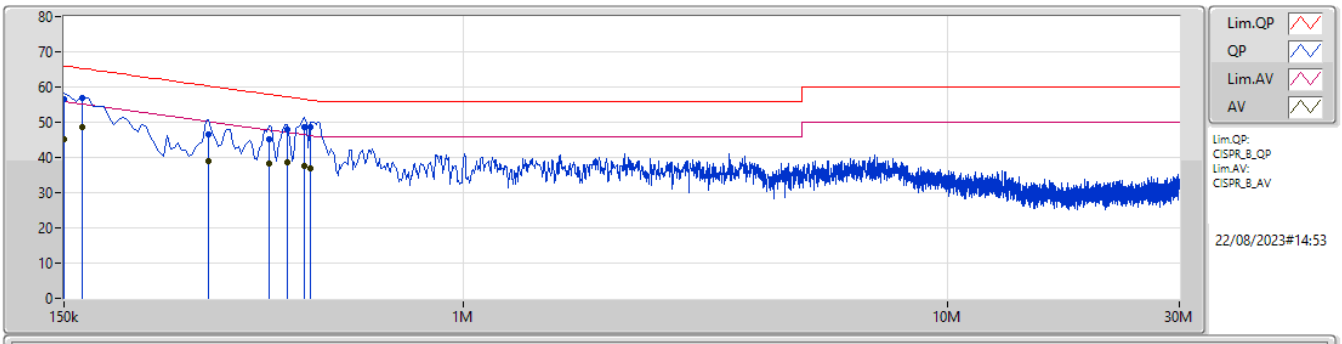
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	465k	42.40	46.61	-4.21	Line

Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	163.5k	53.20	65.27	-12.07	10.00	Line	-	43.20	0.09	0.04	9.87
AV	163.5k	40.61	55.27	-14.66	10.00	Line	-	30.61	0.09	0.04	9.87
QP	307.5k	42.64	60.03	-17.39	10.02	Line	-	32.62	0.09	0.05	9.88
AV	307.5k	33.67	50.03	-16.36	10.02	Line	-	23.65	0.09	0.05	9.88
QP	393k	43.46	58.01	-14.55	10.05	Line	-	33.41	0.09	0.06	9.90
AV	393k	37.39	48.01	-10.62	10.05	Line	-	27.34	0.09	0.06	9.90
QP	465k	48.19	56.61	-8.42	10.05	Line	-	38.14	0.09	0.06	9.90
AV	465k	42.40	46.61	-4.21	10.05	Line	"Worst"	32.35	0.09	0.06	9.90
QP	487.5k	48.08	56.21	-8.13	10.05	Line	-	38.03	0.09	0.06	9.90
AV	487.5k	40.60	46.21	-5.61	10.05	Line	-	30.55	0.09	0.06	9.90
QP	577.5k	37.21	56.00	-18.79	10.05	Line	-	27.16	0.10	0.05	9.90
AV	577.5k	26.48	46.00	-19.52	10.05	Line	-	16.43	0.10	0.05	9.90

Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	56.71	66.00	-9.29	9.98	Neutral	-	46.73	0.07	0.04	9.87
AV	150k	45.30	56.00	-10.70	9.98	Neutral	-	35.32	0.07	0.04	9.87
QP	163.5k	56.83	65.27	-8.44	9.98	Neutral	-	46.85	0.07	0.04	9.87
AV	163.5k	48.59	55.27	-6.68	9.98	Neutral	"Worst"	38.61	0.07	0.04	9.87
QP	298.5k	46.59	60.28	-13.69	10.00	Neutral	-	36.59	0.07	0.05	9.88
AV	298.5k	38.85	50.28	-11.43	10.00	Neutral	-	28.85	0.07	0.05	9.88
QP	397.5k	45.01	57.91	-12.90	10.03	Neutral	-	34.98	0.07	0.06	9.90
AV	397.5k	38.14	47.91	-9.77	10.03	Neutral	-	28.11	0.07	0.06	9.90
QP	433.5k	47.81	57.19	-9.38	10.03	Neutral	-	37.78	0.07	0.06	9.90
AV	433.5k	38.71	47.19	-8.48	10.03	Neutral	-	28.68	0.07	0.06	9.90
QP	469.5k	48.70	56.52	-7.82	10.03	Neutral	-	38.67	0.07	0.06	9.90
AV	469.5k	37.44	46.52	-9.08	10.03	Neutral	-	27.41	0.07	0.06	9.90
QP	483k	48.46	56.29	-7.83	10.03	Neutral	-	38.43	0.07	0.06	9.90
AV	483k	36.79	46.29	-9.50	10.03	Neutral	-	26.76	0.07	0.06	9.90

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.595M	17.381M	17M4D1D	20.515M	16.492M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	24.31M	19.208M	19M2D1D	21.065M	18.928M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	22.99M	19.152M	19M2D1D	20.845M	18.984M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	51.15M	37.952M	38M0D1D	39.27M	37.711M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	51.15M	37.91M	37M9D1D	39.38M	37.647M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	91.3M	77.548M	77M5D1D	80.3M	77.098M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	86.68M	77.225M	77M2D1D	80.74M	77.121M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	80.72M	77.365M	77M4D1D	80.08M	77.106M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	80.72M	77.382M	77M4D1D	80M	76.923M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	24.695M	16.899M	16M9D1D	20.35M	16.566M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	24.53M	19.179M	19M2D1D	20.625M	18.963M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	25.74M	19.124M	19M1D1D	20.295M	18.955M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	43.67M	37.987M	38M0D1D	39.16M	37.64M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	57.97M	37.95M	38M0D1D	39.27M	37.692M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	96.8M	77.514M	77M5D1D	81.18M	77.224M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	90.42M	77.425M	77M4D1D	80.96M	77.352M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	80M	77.38M	77M4D1D	79.92M	76.8M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	80.08M	77.578M	77M6D1D	80M	76.975M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.34M	17.196M	17M2D1D	15.105M	13.236M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	24.585M	19.221M	19M2D1D	15.39M	14.517M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	29.095M	19.084M	19M1D1D	15.42M	14.503M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	44.88M	37.958M	38M0D1D	34.615M	33.709M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	41.91M	37.935M	37M9D1D	34.825M	33.752M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	84.04M	77.649M	77M6D1D	75.15M	73.307M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	92.4M	77.481M	77M5D1D	75.15M	73.256M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	161.92M	156.372M	156MD1D	161.92M	155.816M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	163.24M	156.461M	156MD1D	161.92M	155.307M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.555M	22.702M	22M7D1D	3.1M	3.815M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	19.14M	25.048M	25M0D1D	4.44M	4.47M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	19.195M	25.665M	25M7D1D	4.44M	4.464M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	38.06M	38.631M	38M6D1D	2.22M	3.998M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	38.17M	38.04M	38M0D1D	3.96M	3.982M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	77.66M	77.769M	77M8D1D	2.72M	3.992M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	77.88M	77.53M	77M5D1D	3.86M	3.99M

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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.21M	16.828M	21.23M	17.381M	21.725M	16.833M	21.725M	16.832M
5200MHz	Pass	Inf	20.515M	16.548M	20.625M	16.812M	20.9M	17.005M	20.735M	16.513M
5240MHz	Pass	Inf	23.595M	16.492M	22.66M	16.712M	22.275M	16.833M	20.955M	16.818M
5260MHz	Pass	Inf	21.12M	16.566M	20.625M	16.899M	20.35M	16.741M	21.01M	16.682M
5300MHz	Pass	Inf	21.175M	16.575M	20.46M	16.71M	20.625M	16.657M	21.065M	16.752M
5320MHz	Pass	Inf	24.695M	16.831M	21.45M	16.786M	21.12M	16.823M	21.395M	16.686M
5500MHz	Pass	Inf	21.065M	16.966M	21.285M	16.697M	21.34M	17.053M	21.34M	16.826M
5580MHz	Pass	Inf	20.57M	16.659M	21.065M	16.784M	20.405M	16.536M	20.955M	17.196M
5700MHz	Pass	Inf	21.065M	16.571M	21.175M	16.52M	20.9M	16.806M	20.57M	16.57M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.54M	13.737M	15.63M	13.361M	15.72M	13.466M	15.105M	13.236M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	4.081M	3.18M	3.911M	3.18M	3.815M	3.1M	3.897M
5745MHz	Pass	500k	15.95M	20.033M	16.5M	19.615M	16.5M	17.653M	16.445M	18.333M
5785MHz	Pass	500k	16.555M	16.913M	16.555M	16.776M	16.5M	16.942M	16.555M	17.132M
5825MHz	Pass	500k	16.445M	22.702M	16.5M	16.842M	16.555M	17.627M	16.555M	19.267M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.705M	18.974M	21.56M	19.125M	23.595M	19.186M	24.31M	19.068M
5200MHz	Pass	Inf	21.505M	18.928M	21.67M	19.111M	21.065M	19.015M	21.23M	18.977M
5240MHz	Pass	Inf	21.615M	19.208M	21.78M	19.081M	21.67M	19.123M	21.395M	19.137M
5260MHz	Pass	Inf	20.625M	18.989M	21.175M	18.984M	21.12M	19.151M	21.065M	19.016M
5300MHz	Pass	Inf	21.395M	19.029M	21.285M	19.027M	21.23M	18.997M	20.79M	18.963M
5320MHz	Pass	Inf	24.53M	19.179M	23.155M	19.139M	21.395M	19.115M	24.365M	19.088M
5500MHz	Pass	Inf	24.585M	19.047M	23.925M	19.221M	22.11M	19.092M	22.385M	19.095M
5580MHz	Pass	Inf	20.955M	18.987M	21.065M	19.059M	20.515M	19.036M	21.175M	18.915M
5700MHz	Pass	Inf	20.24M	19.01M	21.45M	19.055M	21.01M	18.997M	20.9M	19.115M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.54M	14.546M	15.39M	14.517M	15.615M	14.601M	15.54M	14.574M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.488M	4.48M	4.47M	4.46M	4.477M	4.5M	4.492M
5745MHz	Pass	500k	19.03M	19.427M	19.085M	19.098M	18.865M	19.379M	18.865M	19.172M
5785MHz	Pass	500k	19.14M	19.272M	17.105M	19.101M	19.14M	19.126M	19.085M	19.085M
5825MHz	Pass	500k	12.43M	25.048M	18.04M	19.957M	19.03M	20.057M	19.085M	22.272M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	51.15M	37.952M	50.71M	37.904M	42.13M	37.767M	43.78M	37.935M
5230MHz	Pass	Inf	39.27M	37.887M	39.93M	37.854M	49.83M	37.783M	40.15M	37.711M
5270MHz	Pass	Inf	39.16M	37.699M	39.82M	37.656M	39.49M	37.64M	39.71M	37.65M
5310MHz	Pass	Inf	42.02M	37.842M	43.67M	37.987M	40.15M	37.818M	41.47M	37.794M
5510MHz	Pass	Inf	44.88M	37.855M	41.8M	37.704M	43.23M	37.779M	41.91M	37.873M
5550MHz	Pass	Inf	39.82M	37.622M	39.6M	37.558M	39.71M	37.797M	40.15M	37.545M
5670MHz	Pass	Inf	39.6M	37.717M	39.6M	37.958M	39.6M	37.763M	39.71M	37.732M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.07M	33.782M	35.07M	33.838M	35.07M	33.84M	34.615M	33.709M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	3.998M	3.96M	4.01M	3.96M	4.004M	2.22M	6.24M
5755MHz	Pass	500k	37.84M	38.631M	37.4M	37.885M	37.62M	37.865M	36.96M	37.944M
5795MHz	Pass	500k	38.06M	38.254M	37.95M	37.97M	37.29M	37.791M	36.96M	38.228M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	91.3M	77.481M	86.24M	77.539M	82.94M	77.098M	80.3M	77.548M
5290MHz	Pass	Inf	96.8M	77.265M	85.58M	77.509M	81.18M	77.224M	84.04M	77.514M
5530MHz	Pass	Inf	81.18M	77.601M	80.96M	77.402M	84.04M	77.649M	83.82M	77.23M
5610MHz	Pass	Inf	80.52M	77.357M	81.4M	77.371M	79.86M	77.509M	80.3M	77.169M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.15M	73.307M	75.15M	73.443M	75.3M	73.395M	75.825M	73.374M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.68M	4.039M	3.96M	4M	2.72M	3.993M	3.42M	3.992M
5775MHz	Pass	500k	58.3M	77.348M	77.66M	77.175M	77.22M	77.165M	76.78M	77.769M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.16M	77.242M	80.72M	77.106M	80.08M	77.166M	80.24M	77.365M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	79.92M	77.38M	80M	77.103M	80M	77.317M	79.92M	76.8M
5570MHz	Pass	Inf	161.92M	155.816M	161.92M	156.178M	161.92M	156.372M	161.92M	155.952M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-

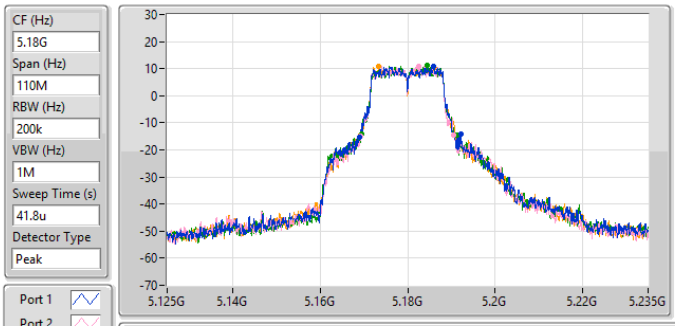
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5180MHz	Pass	Inf	22.44M	19.053M	21.56M	19.134M	22.99M	19.019M	21.01M	19.074M
5200MHz	Pass	Inf	21.395M	19.105M	20.845M	19.096M	21.945M	18.984M	20.9M	19.011M
5240MHz	Pass	Inf	21.34M	19.017M	21.395M	19.118M	21.89M	19.152M	22.11M	19.077M
5260MHz	Pass	Inf	20.295M	19.014M	21.175M	19.029M	21.12M	18.967M	20.9M	18.98M
5300MHz	Pass	Inf	20.955M	18.968M	20.955M	18.985M	20.57M	19.038M	21.12M	18.955M
5320MHz	Pass	Inf	22.935M	19.124M	22.88M	18.996M	22.99M	19.03M	25.74M	19.011M
5500MHz	Pass	Inf	21.78M	19.057M	29.095M	19.023M	25.19M	19.06M	25.19M	19.084M
5580MHz	Pass	Inf	21.065M	19.003M	20.9M	18.998M	20.075M	19.045M	20.955M	19.056M
5700MHz	Pass	Inf	20.79M	19.036M	21.12M	18.946M	21.395M	18.936M	21.285M	19.006M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.42M	14.503M	15.72M	14.525M	15.705M	14.559M	15.675M	14.525M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.492M	4.46M	4.47M	4.44M	4.498M	4.54M	4.464M
5745MHz	Pass	500k	19.195M	19.268M	19.03M	19.116M	19.14M	19.056M	19.085M	19.109M
5785MHz	Pass	500k	18.755M	19.25M	19.03M	19.074M	19.085M	19.105M	19.14M	19.081M
5825MHz	Pass	500k	19.14M	25.665M	19.085M	19.115M	19.03M	19.456M	19.085M	20.229M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	51.15M	37.829M	44.55M	37.826M	45.65M	37.91M	42.9M	37.757M
5230MHz	Pass	Inf	47.96M	37.729M	39.38M	37.647M	41.36M	37.701M	44.22M	37.857M
5270MHz	Pass	Inf	39.27M	37.715M	39.71M	37.692M	39.82M	37.758M	39.27M	37.715M
5310MHz	Pass	Inf	50.6M	37.877M	42.13M	37.95M	49.83M	37.775M	57.97M	37.85M
5510MHz	Pass	Inf	41.69M	37.935M	41.36M	37.725M	41.91M	37.828M	41.36M	37.809M
5550MHz	Pass	Inf	40.37M	37.803M	39.6M	37.664M	39.71M	37.801M	39.93M	37.794M
5670MHz	Pass	Inf	39.38M	37.688M	39.93M	37.738M	39.6M	37.86M	40.15M	37.785M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.21M	33.78M	34.86M	33.752M	34.825M	33.829M	34.965M	33.833M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	3.982M	3.96M	3.992M	4.02M	4.002M	3.96M	3.988M
5755MHz	Pass	500k	37.95M	38.002M	37.95M	37.919M	38.17M	37.747M	38.17M	37.963M
5795MHz	Pass	500k	37.62M	37.96M	38.17M	38.04M	38.06M	37.907M	37.84M	38.023M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	86.68M	77.164M	81.4M	77.121M	83.16M	77.167M	80.74M	77.225M
5290MHz	Pass	Inf	83.6M	77.425M	80.96M	77.352M	81.4M	77.374M	90.42M	77.388M
5530MHz	Pass	Inf	92.4M	77.028M	87.56M	77.481M	82.28M	77.158M	80.74M	77.17M
5610MHz	Pass	Inf	80.08M	77.058M	80.52M	77.07M	80.52M	77.284M	80.3M	77.308M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.375M	73.302M	75.15M	73.285M	76.35M	73.256M	75.825M	73.337M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.94M	4.007M	3.92M	4.007M	3.96M	4.018M	3.86M	3.99M
5775MHz	Pass	500k	77.88M	77.189M	77.44M	77.399M	77.88M	77.53M	77.44M	77.334M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80M	76.923M	80.24M	77.212M	80.72M	77.122M	80M	77.382M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	80M	77.19M	80.08M	77.033M	80.08M	77.578M	80M	76.975M
5570MHz	Pass	Inf	161.92M	156.461M	163.24M	155.307M	161.92M	156.451M	161.92M	155.599M

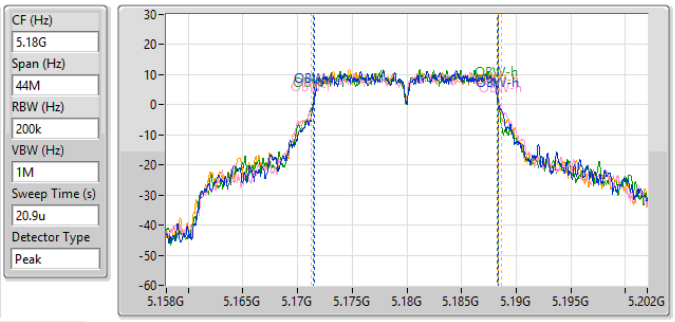
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5180MHz

04/09/2023



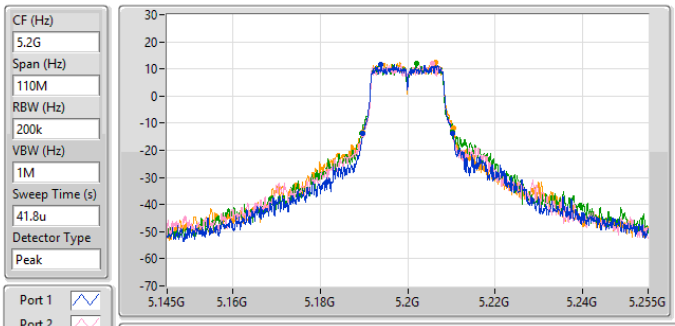


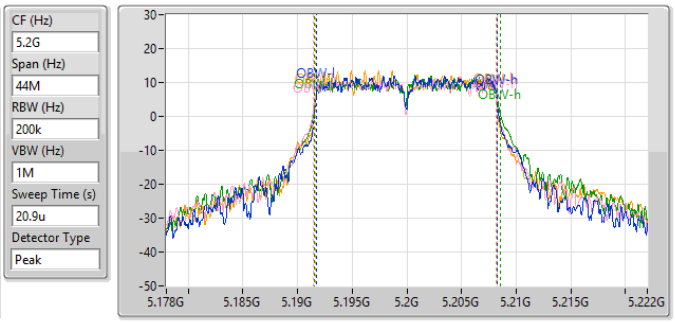
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.21M	5.168945G	5.192155G	16.828M	5.171558G	5.188386G	Inf	1
21.23M	5.16922G	5.19045G	17.381M	5.17124G	5.188621G	Inf	2
21.725M	5.16944G	5.191165G	16.833M	5.171398G	5.188231G	Inf	3
21.725M	5.169165G	5.19089G	16.832M	5.171518G	5.188349G	Inf	4

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5200MHz

04/09/2023



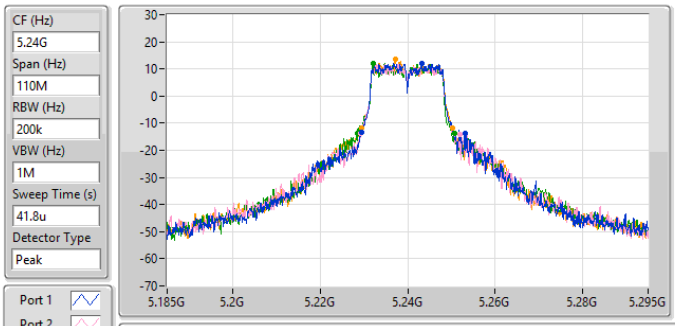


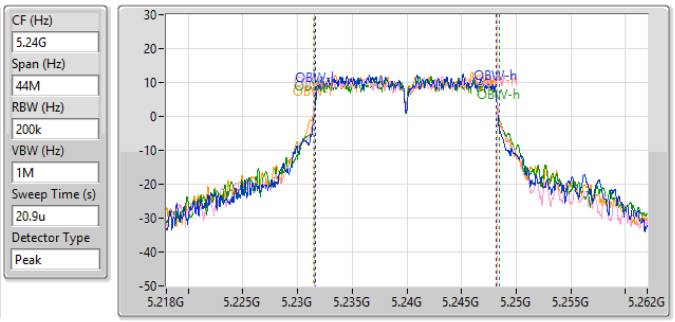
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.515M	5.189825G	5.21034G	16.548M	5.191703G	5.208251G	Inf	1
20.625M	5.18977G	5.210395G	16.812M	5.191471G	5.208283G	Inf	2
20.9M	5.189385G	5.210285G	17.005M	5.191559G	5.208565G	Inf	3
20.735M	5.189715G	5.21045G	16.513M	5.191666G	5.208179G	Inf	4

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5240MHz

04/09/2023



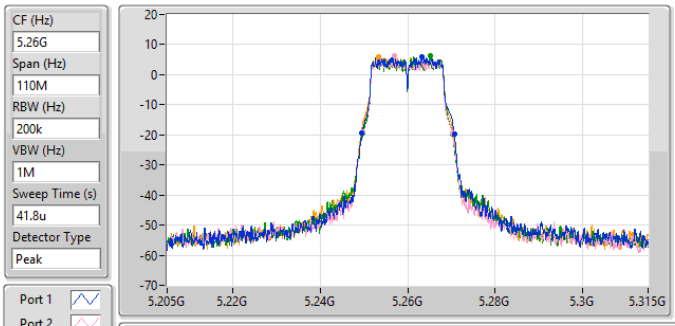


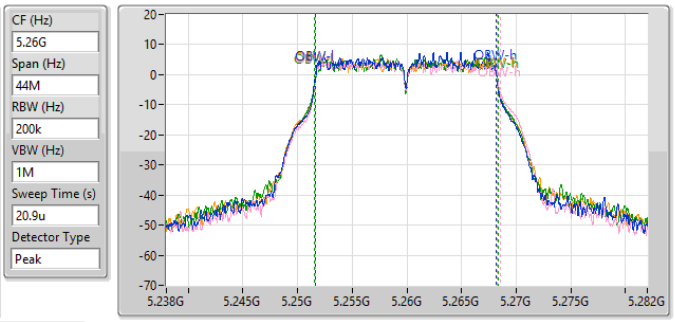
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.595M	5.229495G	5.25309G	16.492M	5.23167G	5.248162G	Inf	1
22.66M	5.22922G	5.25188G	16.712M	5.231581G	5.248294G	Inf	2
22.275M	5.22856G	5.250835G	16.833M	5.231587G	5.24842G	Inf	3
20.955M	5.22944G	5.250395G	16.818M	5.231438G	5.248256G	Inf	4

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5260MHz

04/09/2023



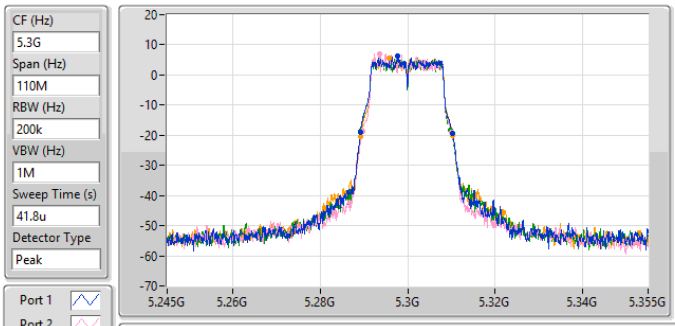


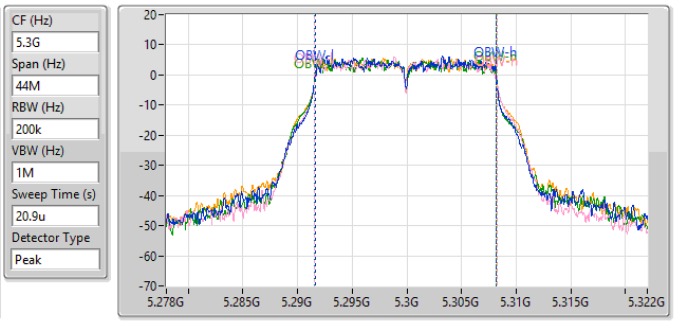
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.12M	5.24955G	5.27067G	16.566M	5.251653G	5.268219G	Inf	1
20.625M	5.249605G	5.27023G	16.899M	5.251648G	5.268547G	Inf	2
20.35M	5.249825G	5.270175G	16.741M	5.251585G	5.268326G	Inf	3
21.01M	5.249385G	5.270395G	16.682M	5.251623G	5.268305G	Inf	4

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5300MHz

04/09/2023



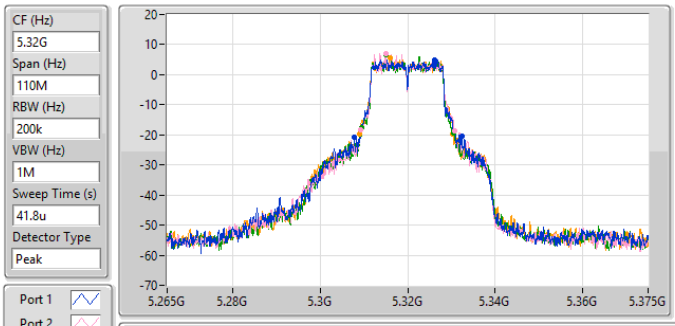


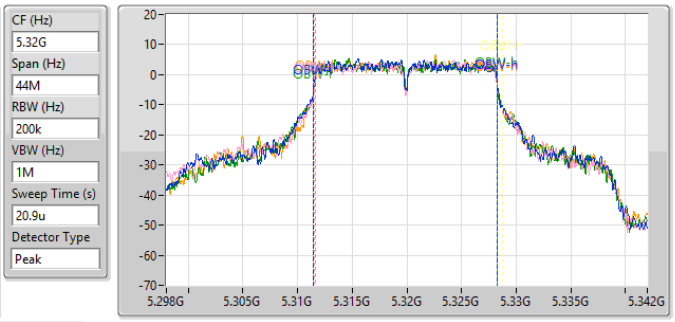
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.175M	5.289165G	5.31034G	16.575M	5.29159G	5.308165G	Inf	1
20.46M	5.289605G	5.310065G	16.71M	5.291571G	5.308281G	Inf	2
20.625M	5.289275G	5.3099G	16.657M	5.291503G	5.308161G	Inf	3
21.065M	5.289275G	5.31034G	16.752M	5.291519G	5.308271G	Inf	4

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5320MHz

04/09/2023





26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.695M	5.307735G	5.33243G	16.831M	5.311468G	5.328298G	Inf	1
21.45M	5.309275G	5.330725G	16.786M	5.311527G	5.328313G	Inf	2
21.12M	5.309495G	5.330615G	16.823M	5.311465G	5.328289G	Inf	3
21.395M	5.309G	5.330395G	16.686M	5.311593G	5.328279G	Inf	4

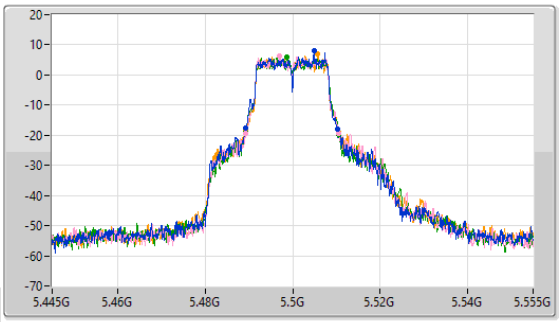
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5500MHz

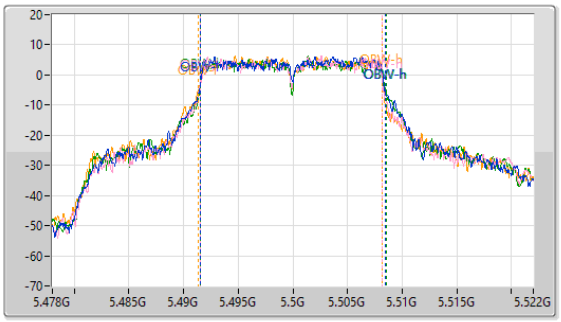
04/09/2023

CF (Hz) 5.5G
Span (Hz) 110M
RBW (Hz) 200k
VBW (Hz) 1M
Sweep Time (s) 41.8u
Detector Type Peak

Port 1
Port 2
Port 3
Port 4



CF (Hz) 5.5G
Span (Hz) 44M
RBW (Hz) 200k
VBW (Hz) 1M
Sweep Time (s) 20.9u
Detector Type Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.065M	5.489165G	5.51023G	16.966M	5.491511G	5.508478G	Inf	1
21.285M	5.48933G	5.510615G	16.697M	5.49152G	5.508217G	Inf	2
21.34M	5.48922G	5.51056G	17.053M	5.491532G	5.508585G	Inf	3
21.34M	5.489165G	5.510505G	16.826M	5.491353G	5.50818G	Inf	4

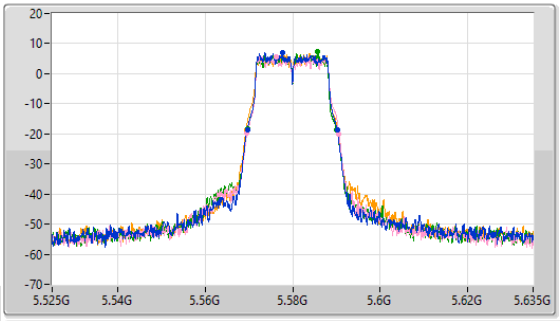
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5580MHz

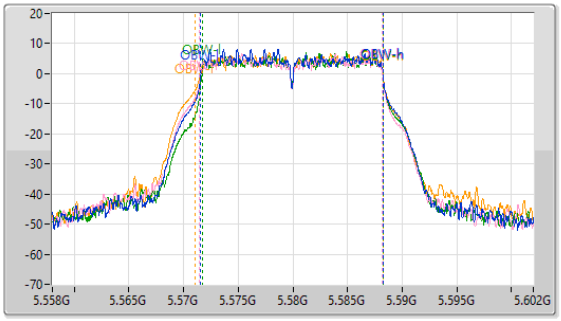
04/09/2023

CF (Hz) 5.58G
Span (Hz) 110M
RBW (Hz) 200k
VBW (Hz) 1M
Sweep Time (s) 41.8u
Detector Type Peak

Port 1
Port 2
Port 3
Port 4



CF (Hz) 5.58G
Span (Hz) 44M
RBW (Hz) 200k
VBW (Hz) 1M
Sweep Time (s) 20.9u
Detector Type Peak

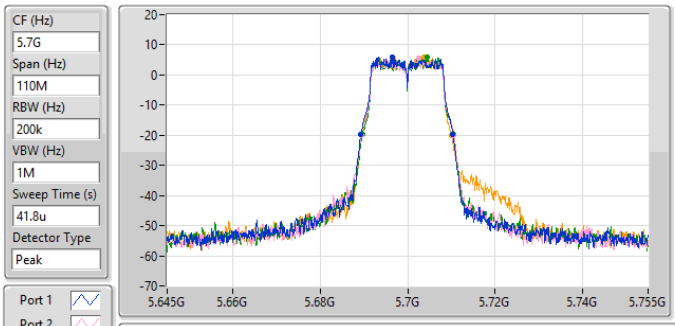


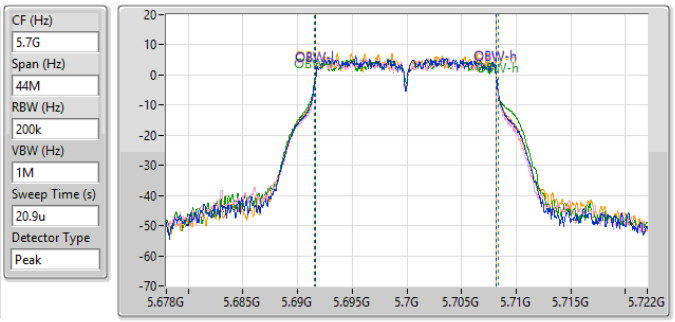
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.57M	5.569605G	5.590175G	16.659M	5.57158G	5.588238G	Inf	1
21.065M	5.56955G	5.590615G	16.784M	5.571421G	5.588206G	Inf	2
20.405M	5.569715G	5.59012G	16.536M	5.571709G	5.588245G	Inf	3
20.955M	5.569385G	5.59034G	17.196M	5.571069G	5.588265G	Inf	4

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5700MHz

04/09/2023



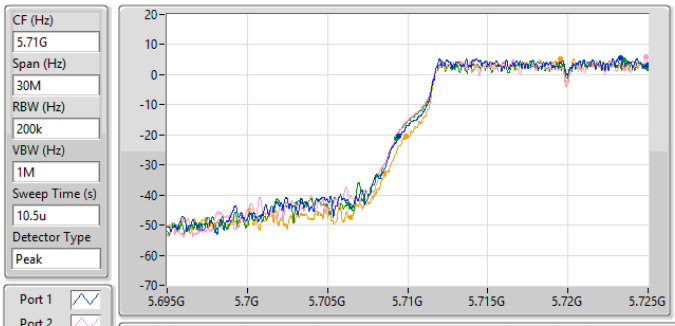


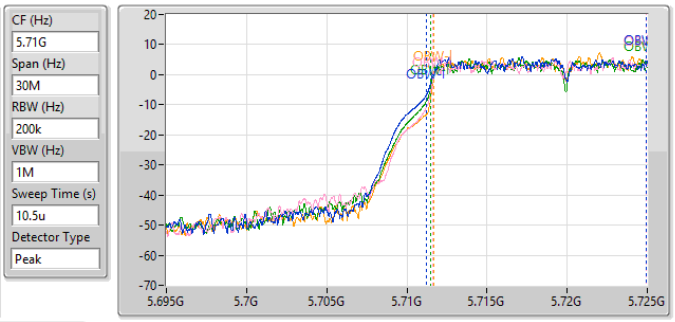
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.065M	5.68933G	5.710395G	16.571M	5.691617G	5.708187G	Inf	1
21.175M	5.689385G	5.71056G	16.52M	5.691647G	5.708167G	Inf	2
20.9M	5.68966G	5.71056G	16.806M	5.69152G	5.708327G	Inf	3
20.57M	5.68955G	5.71012G	16.57M	5.691616G	5.708187G	Inf	4

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5720MHz Straddle 5.47-5.725GHz

04/09/2023



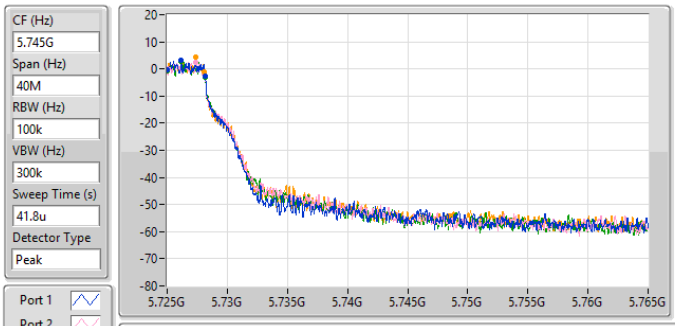


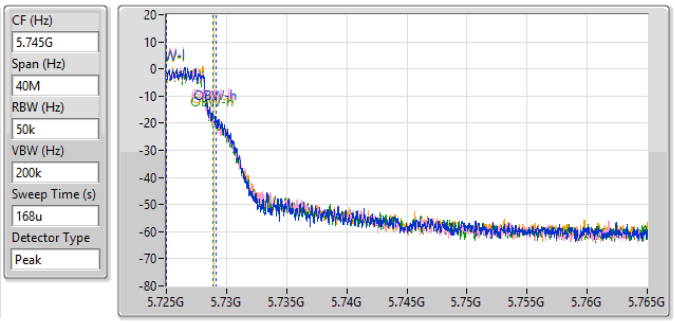
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.54M	5.70946G	5.725G	13.737M	5.711208G	5.724945G	Inf	1
15.63M	5.70937G	5.725G	13.361M	5.711585G	5.724947G	Inf	2
15.72M	5.70928G	5.725G	13.466M	5.711461G	5.724926G	Inf	3
15.105M	5.709895G	5.725G	13.236M	5.711698G	5.724934G	Inf	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5720MHz Straddle 5.725-5.85GHz

04/09/2023



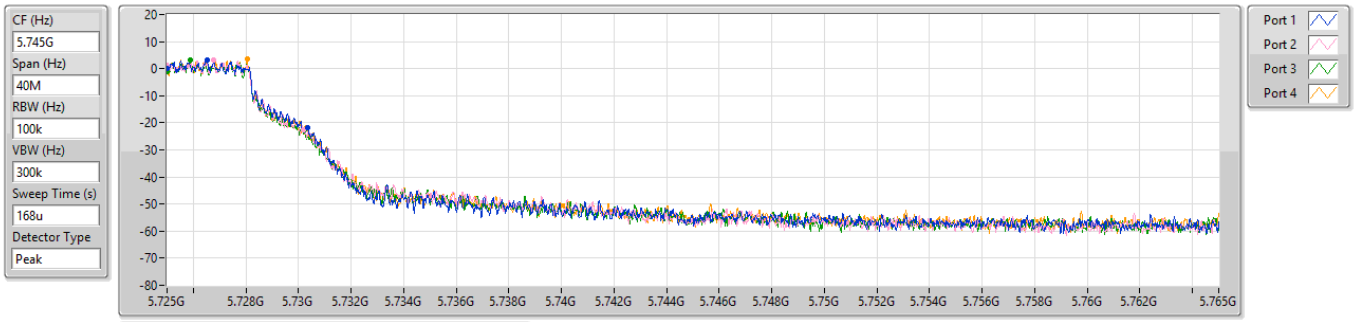


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	4.081M	5.725018G	5.729099G	500k	1
3.18M	5.725G	5.72818G	3.911M	5.725015G	5.728926G	500k	2
3.18M	5.725G	5.72818G	3.815M	5.725021G	5.728836G	500k	3
3.1M	5.725G	5.7281G	3.897M	5.725022G	5.728919G	500k	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5720MHz Straddle 5.725-5.85GHz

04/09/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.36M	5.725G	5.73036G	Inf	1
5.2M	5.725G	5.7302G	Inf	2
5.24M	5.725G	5.73024G	Inf	3
5.32M	5.725G	5.73032G	Inf	4

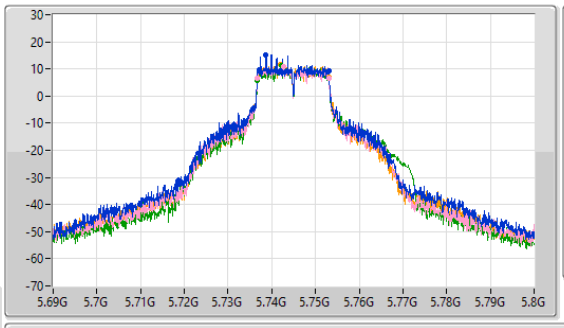
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5745MHz

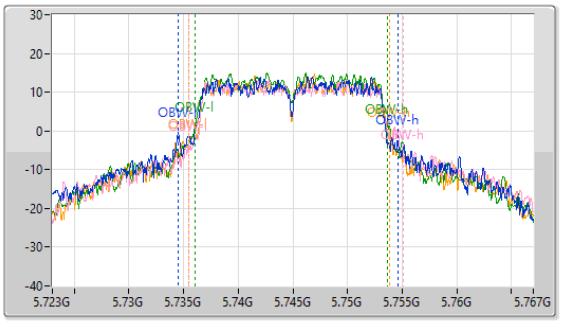
05/09/2023

CF (Hz) 5.745G
Span (Hz) 110M
RBW (Hz) 100k
VBW (Hz) 300k
Sweep Time (s) 83.7u
Detector Type Peak

Port 1
Port 2
Port 3
Port 4



CF (Hz) 5.745G
Span (Hz) 44M
RBW (Hz) 300k
VBW (Hz) 1M
Sweep Time (s) 14u
Detector Type Peak



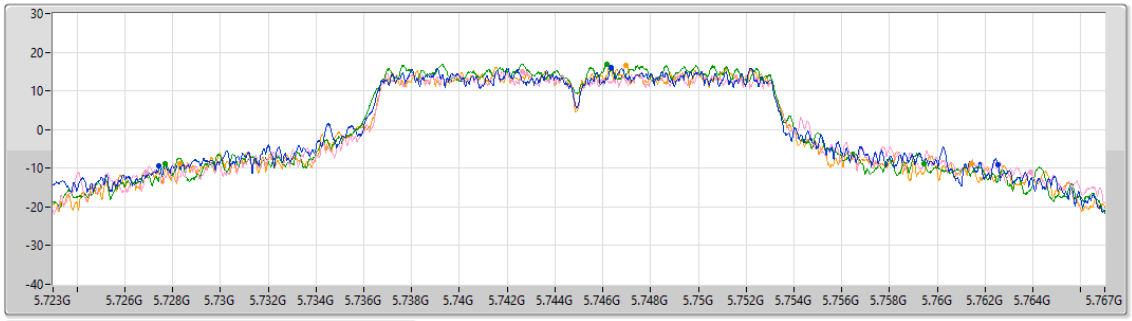
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.95M	5.7371 35G	5.753085G	20.033M	5.734555G	5.754588G	500k	1
16.5M	5.73664G	5.75314G	19.615M	5.735476G	5.755092G	500k	2
16.5M	5.73664G	5.75314G	17.653M	5.736038G	5.753691G	500k	3
16.445M	5.736695G	5.75314G	18.333M	5.735483G	5.753817G	500k	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5745MHz

05/09/2023

CF (Hz) 5.745G
Span (Hz) 44M
RBW (Hz) 500k
VBW (Hz) 2M
Sweep Time (s) 14u
Detector Type Peak



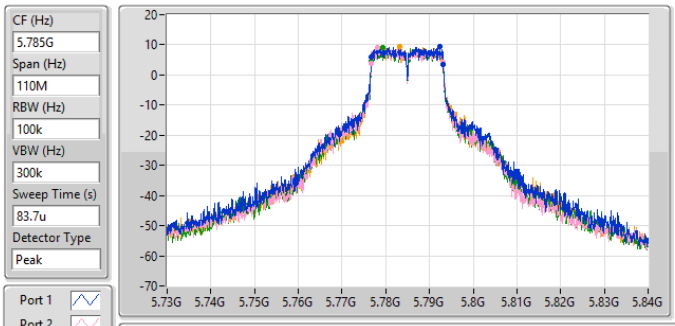
Port 1
Port 2
Port 3
Port 4

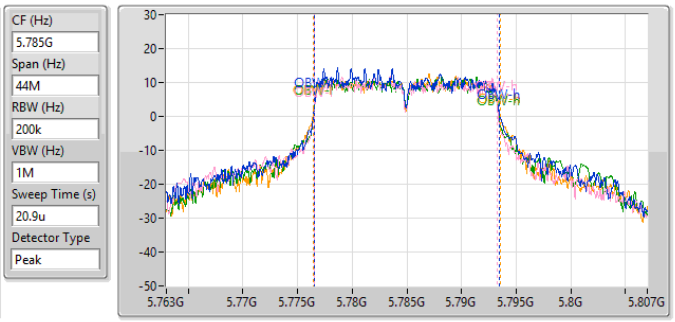
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
35.09M	5.727444G	5.762534G	Inf	1
37.004M	5.726894G	5.763898G	Inf	2
31.746M	5.727708G	5.759454G	Inf	3
33.132M	5.728302G	5.761434G	Inf	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5785MHz

05/09/2023



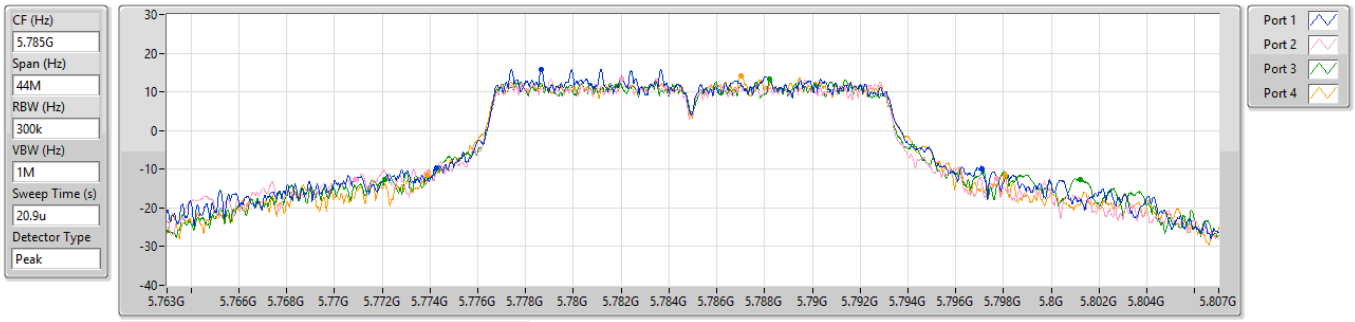


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.555M	5.77664G	5.793195G	16.913M	5.776579G	5.793492G	500k	1
16.555M	5.77664G	5.793195G	16.776M	5.776504G	5.79328G	500k	2
16.5M	5.77664G	5.79314G	16.942M	5.776519G	5.793461G	500k	3
16.555M	5.77664G	5.793195G	17.132M	5.776465G	5.793597G	500k	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5785MHz

05/09/2023



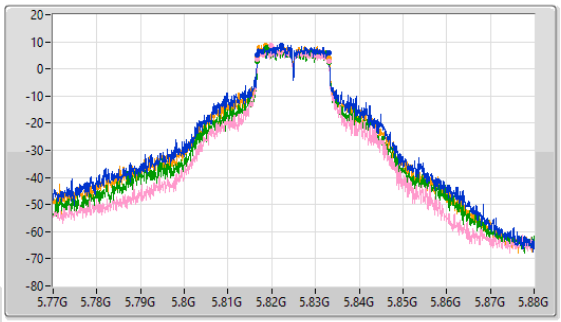
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
22.814M	5.774286G	5.7971G	Inf	1
26.818M	5.770876G	5.797694G	Inf	2
29.106M	5.772108G	5.801214G	Inf	3
24.156M	5.77389G	5.798046G	Inf	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5825MHz

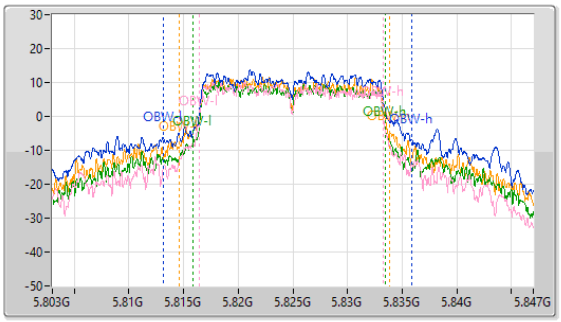
05/09/2023

CF (Hz) 5.825G
Span (Hz) 110M
RBW (Hz) 100k
VBW (Hz) 300k
Sweep Time (s) 83.7u
Detector Type Peak



Port 1
Port 2
Port 3
Port 4

CF (Hz) 5.825G
Span (Hz) 44M
RBW (Hz) 300k
VBW (Hz) 1M
Sweep Time (s) 14u
Detector Type Peak



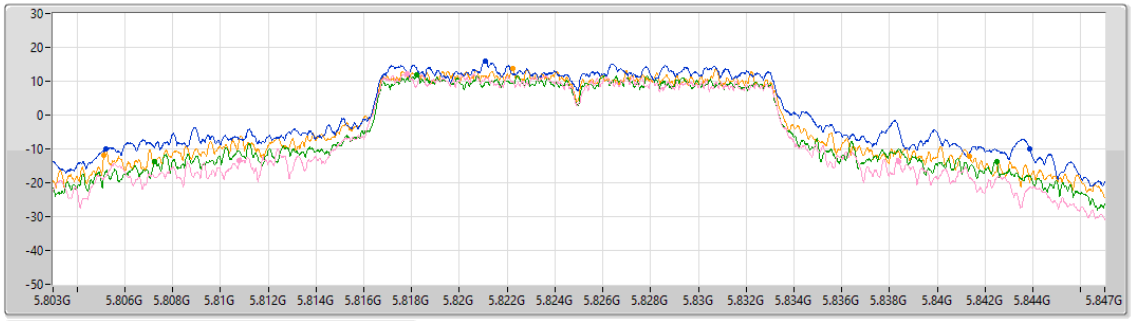
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.445M	5.81664G	5.833085G	22.702M	5.81314G	5.835842G	500k	1
16.5M	5.81664G	5.83314G	16.842M	5.816395G	5.833237G	500k	2
16.555M	5.81664G	5.833195G	17.627M	5.815865G	5.833492G	500k	3
16.555M	5.81664G	5.833195G	19.267M	5.81459G	5.833857G	500k	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5825MHz

05/09/2023

CF (Hz) 5.825G
Span (Hz) 44M
RBW (Hz) 500k
VBW (Hz) 2M
Sweep Time (s) 14u
Detector Type Peak



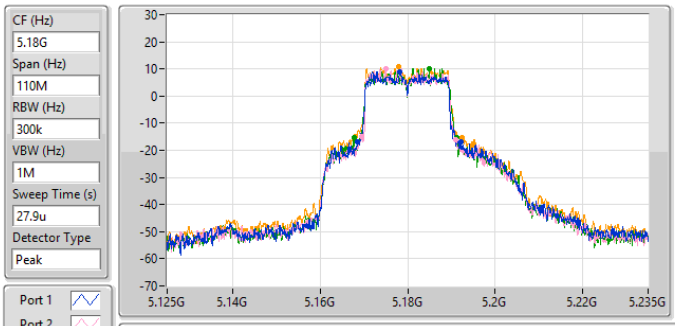
Port 1
Port 2
Port 3
Port 4

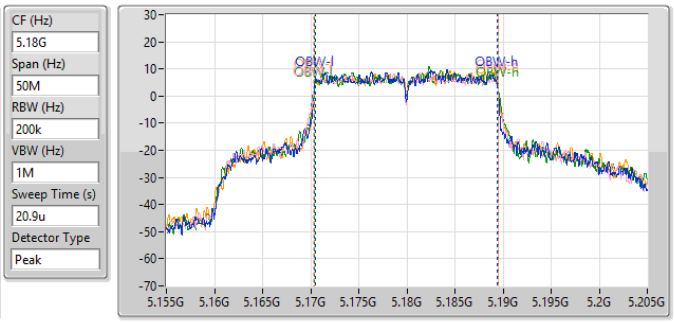
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
38.676M	5.8052G	5.843876G	Inf	1
27.61M	5.810788G	5.838398G	Inf	2
35.222M	5.807246G	5.842468G	Inf	3
36.19M	5.805134G	5.841324G	Inf	4

5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5180MHz

05/09/2023



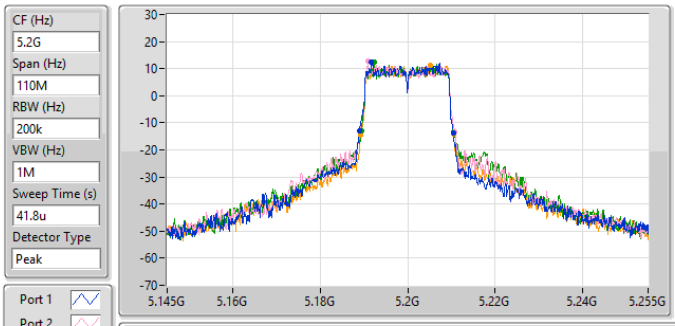


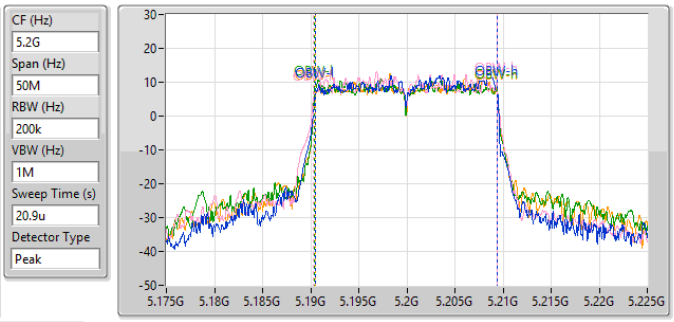
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.705M	5.16856G	5.192265G	18.974M	5.170451G	5.189426G	Inf	1
21.56M	5.169385G	5.190945G	19.125M	5.170329G	5.189454G	Inf	2
23.595M	5.16768G	5.191275G	19.186M	5.170342G	5.189527G	Inf	3
24.31M	5.168065G	5.192375G	19.068M	5.170422G	5.18949G	Inf	4

5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5200MHz

05/09/2023



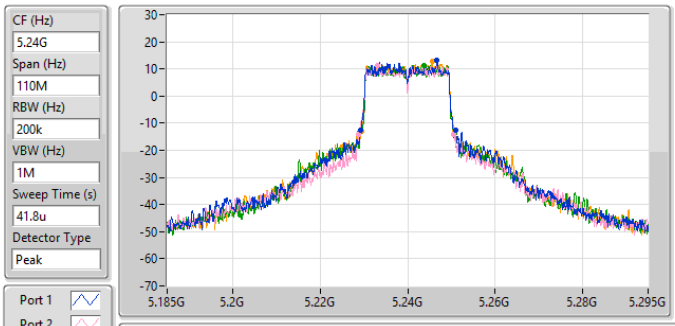


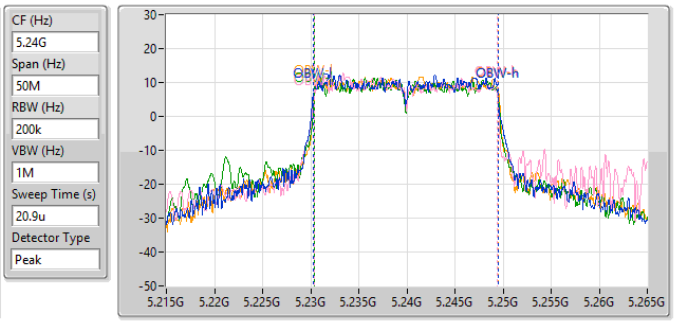
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.505M	5.189G	5.210505G	18.928M	5.190462G	5.209389G	Inf	1
21.67M	5.18911G	5.21078G	19.111M	5.190313G	5.209424G	Inf	2
21.065M	5.18944G	5.210505G	19.015M	5.190413G	5.209428G	Inf	3
21.23M	5.18922G	5.21045G	18.977M	5.190463G	5.209441G	Inf	4

5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5240MHz

05/09/2023



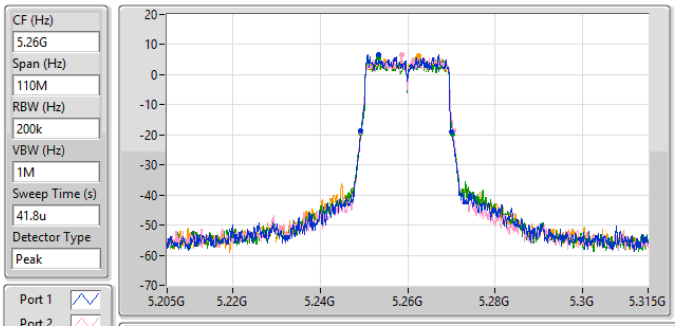


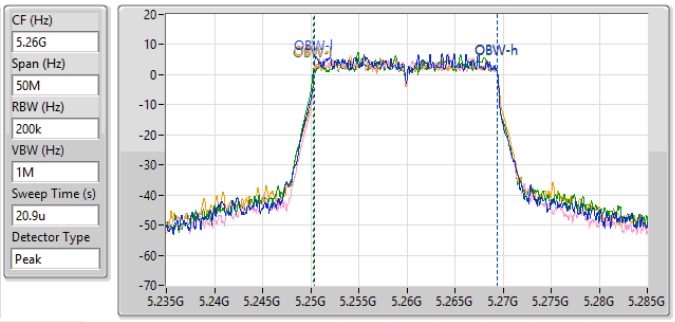
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.615M	5.22933G	5.250945G	19.208M	5.230262G	5.249469G	Inf	1
21.78M	5.228835G	5.250615G	19.081M	5.230351G	5.249432G	Inf	2
21.67M	5.229055G	5.250725G	19.123M	5.230356G	5.249479G	Inf	3
21.395M	5.22944G	5.250835G	19.137M	5.230401G	5.249539G	Inf	4

5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5260MHz

05/09/2023



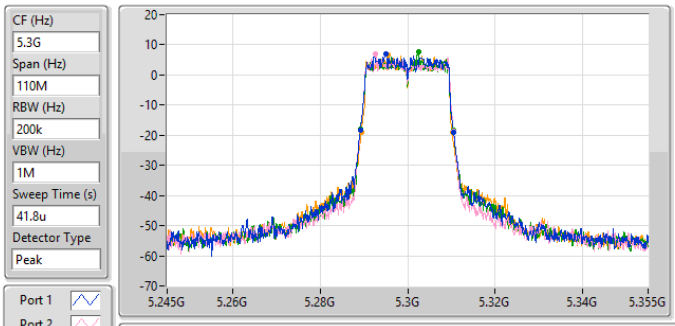


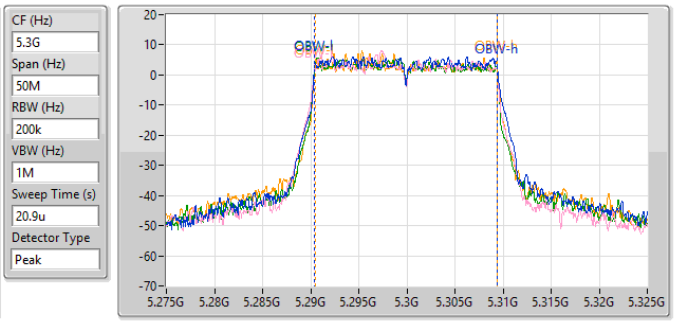
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.625M	5.24933G	5.269955G	18.989M	5.250375G	5.269364G	Inf	1
21.175M	5.249275G	5.27045G	18.984M	5.250389G	5.269373G	Inf	2
21.12M	5.249275G	5.270395G	19.151M	5.25022G	5.269371G	Inf	3
21.065M	5.24933G	5.270395G	19.016M	5.250402G	5.269418G	Inf	4

5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5300MHz

05/09/2023



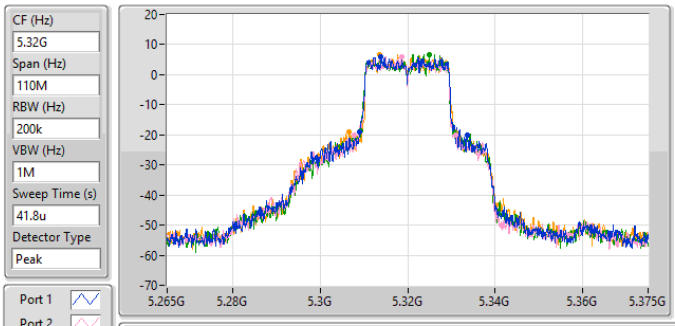


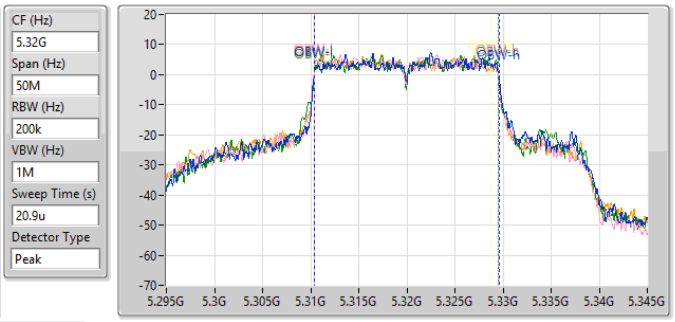
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.395M	5.289165G	5.31056G	19.029M	5.290414G	5.309444G	Inf	1
21.285M	5.28922G	5.310505G	19.027M	5.29036G	5.309388G	Inf	2
21.23M	5.28922G	5.31045G	18.997M	5.290402G	5.309399G	Inf	3
20.79M	5.289385G	5.310175G	18.963M	5.290459G	5.309421G	Inf	4

5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5320MHz

05/09/2023



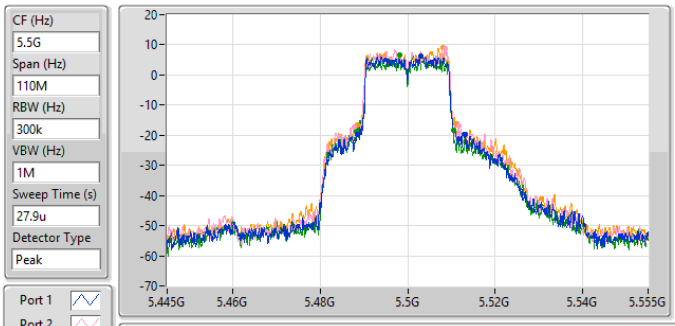


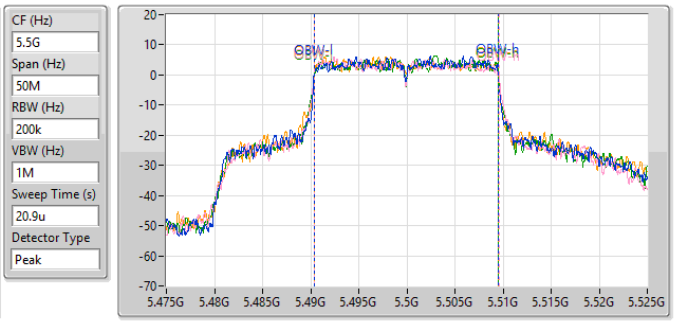
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.53M	5.30911G	5.33364G	19.179M	5.310393G	5.329572G	Inf	1
23.155M	5.307735G	5.33089G	19.139M	5.310368G	5.329507G	Inf	2
21.395M	5.30933G	5.330725G	19.115M	5.310354G	5.32947G	Inf	3
24.365M	5.30658G	5.330945G	19.088M	5.310398G	5.329486G	Inf	4

5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5500MHz

05/09/2023



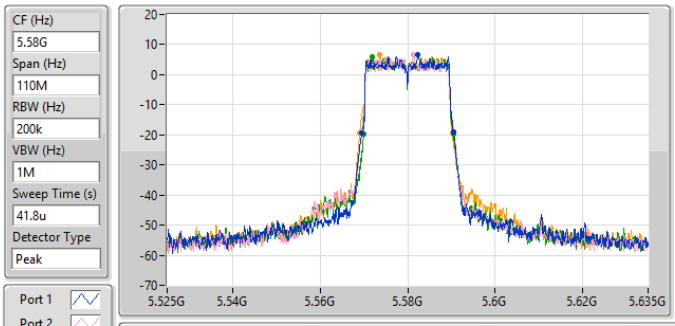


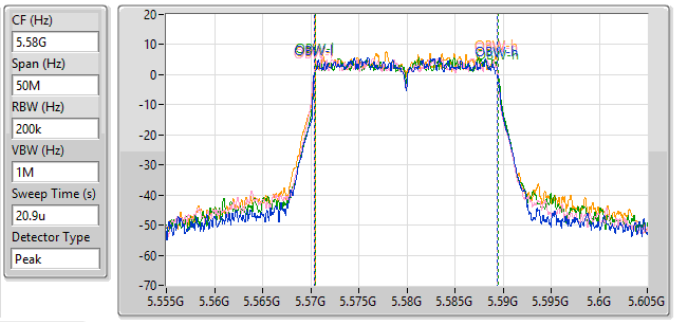
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.585M	5.488505G	5.51309G	19.047M	5.490405G	5.509453G	Inf	1
23.925M	5.48779G	5.511715G	19.221M	5.490366G	5.509586G	Inf	2
22.11M	5.48834G	5.51045G	19.092M	5.490403G	5.509495G	Inf	3
22.385M	5.48856G	5.510945G	19.095M	5.490374G	5.509469G	Inf	4

5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5580MHz

05/09/2023





26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.955M	5.56955G	5.590505G	18.987M	5.570438G	5.589425G	Inf	1
21.065M	5.569495G	5.59056G	19.059M	5.570363G	5.589422G	Inf	2
20.515M	5.569935G	5.59045G	19.036M	5.570441G	5.589477G	Inf	3
21.175M	5.569055G	5.59023G	18.915M	5.570483G	5.589398G	Inf	4

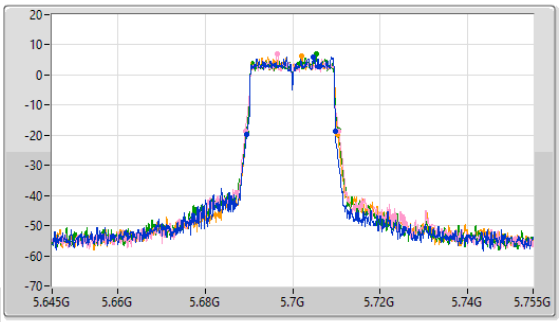
5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5700MHz

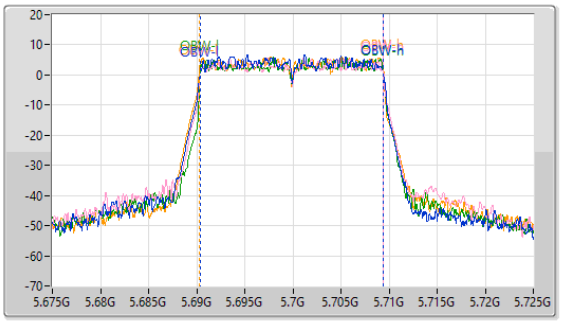
05/09/2023

CF (Hz) 5.7G
Span (Hz) 110M
RBW (Hz) 200k
VBW (Hz) 1M
Sweep Time (s) 41.8u
Detector Type Peak

Port 1
Port 2
Port 3
Port 4



CF (Hz) 5.7G
Span (Hz) 50M
RBW (Hz) 200k
VBW (Hz) 1M
Sweep Time (s) 20.9u
Detector Type Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.24M	5.689495G	5.709735G	19.01M	5.690373G	5.709383G	Inf	1
21.45M	5.689165G	5.710615G	19.055M	5.690366G	5.709421G	Inf	2
21.01M	5.68944G	5.71045G	18.997M	5.690417G	5.709414G	Inf	3
20.9M	5.68944G	5.71034G	19.115M	5.69028G	5.709395G	Inf	4

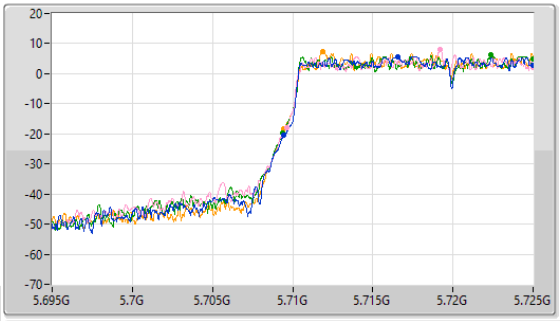
5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5720MHz Straddle 5.47-5.725GHz

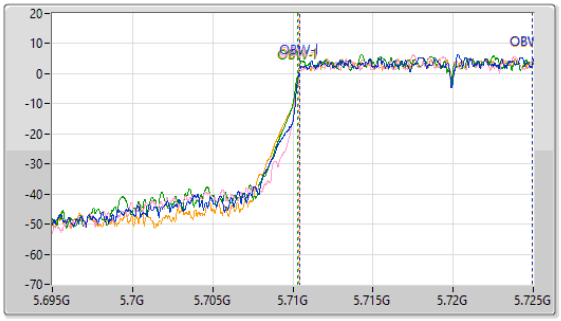
05/09/2023

CF (Hz) 5.71G
Span (Hz) 30M
RBW (Hz) 200k
VBW (Hz) 1M
Sweep Time (s) 10.5u
Detector Type Peak

Port 1
Port 2
Port 3
Port 4



CF (Hz) 5.71G
Span (Hz) 30M
RBW (Hz) 200k
VBW (Hz) 1M
Sweep Time (s) 10.5u
Detector Type Peak



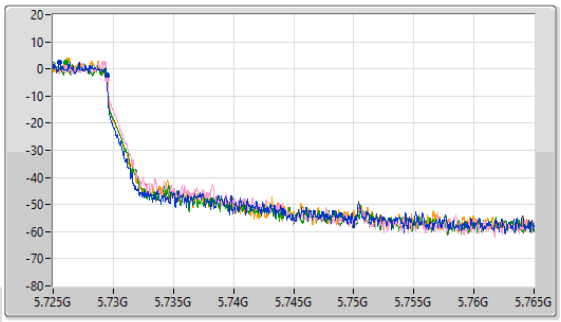
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.54M	5.70946G	5.725G	14.546M	5.710398G	5.724944G	Inf	1
15.39M	5.70961G	5.725G	14.517M	5.710423G	5.72494G	Inf	2
15.615M	5.709385G	5.725G	14.601M	5.710326G	5.724927G	Inf	3
15.54M	5.70946G	5.725G	14.574M	5.710365G	5.724939G	Inf	4

5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5720MHz Straddle 5.725-5.85GHz

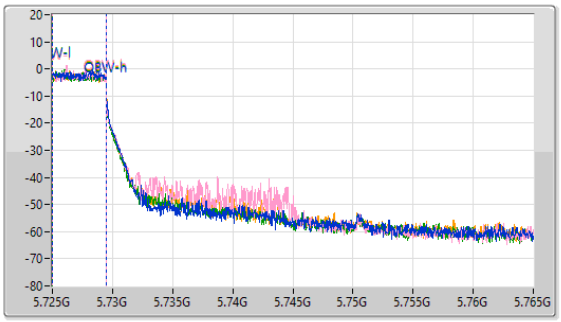
05/09/2023

CF (Hz): 5.745G
Span (Hz): 40M
RBW (Hz): 100k
VBW (Hz): 300k
Sweep Time (s): 41.8u
Detector Type: Peak



Port 1
Port 2
Port 3
Port 4

CF (Hz): 5.745G
Span (Hz): 40M
RBW (Hz): 50k
VBW (Hz): 200k
Sweep Time (s): 168u
Detector Type: Peak



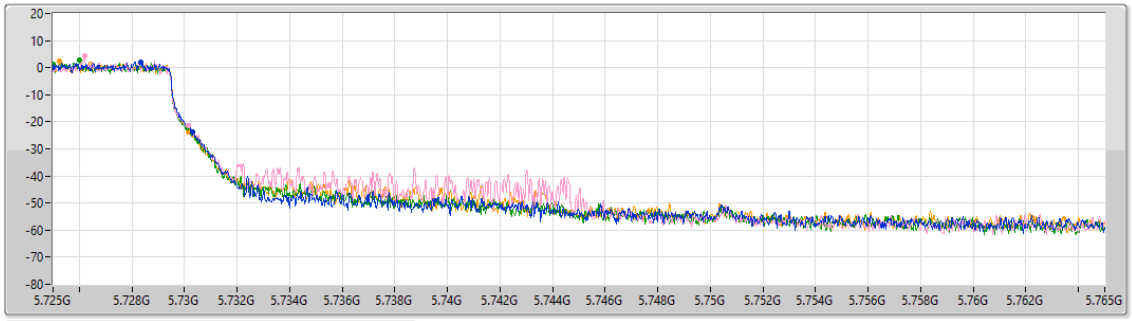
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.44M	5.725G	5.72944G	4.488M	5.725021G	5.729509G	500k	1
4.48M	5.725G	5.72948G	4.47M	5.725027G	5.729497G	500k	2
4.46M	5.725G	5.72946G	4.477M	5.725017G	5.729494G	500k	3
4.5M	5.725G	5.7295G	4.492M	5.725023G	5.729514G	500k	4

5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5720MHz Straddle 5.725-5.85GHz

05/09/2023

CF (Hz): 5.745G
Span (Hz): 40M
RBW (Hz): 100k
VBW (Hz): 300k
Sweep Time (s): 168u
Detector Type: Peak



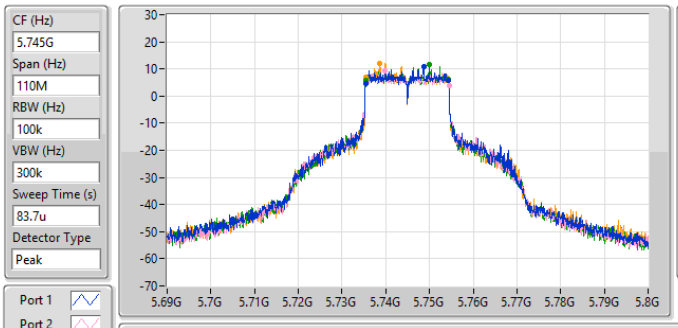
Port 1
Port 2
Port 3
Port 4

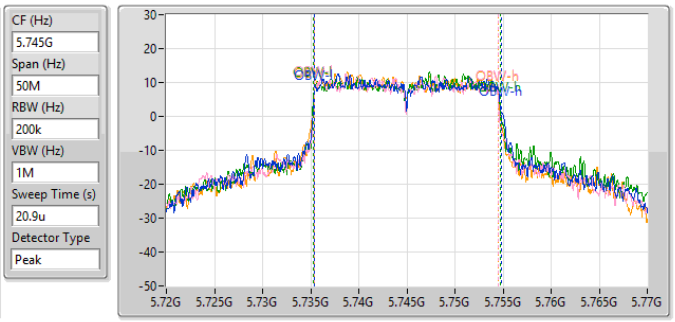
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.3M	5.725G	5.7303G	Inf	1
5.16M	5.725G	5.73016G	Inf	2
5.12M	5.725G	5.73012G	Inf	3
5.16M	5.725G	5.73016G	Inf	4

5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5745MHz

05/09/2023



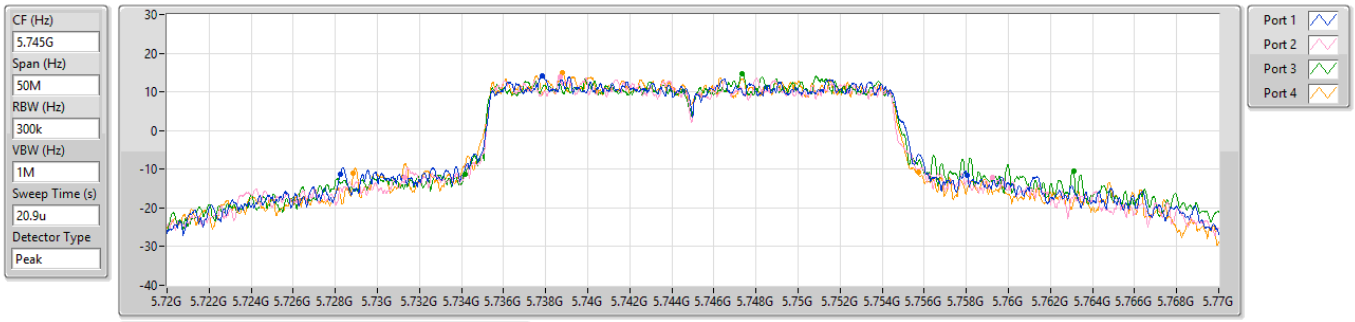


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.03M	5.735375G	5.754405G	19.427M	5.735357G	5.754785G	500k	1
19.085M	5.735375G	5.75446G	19.098M	5.735374G	5.754472G	500k	2
18.865M	5.735485G	5.75435G	19.379M	5.735322G	5.754701G	500k	3
18.865M	5.73554G	5.754405G	19.172M	5.735346G	5.754517G	500k	4

5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5745MHz

05/09/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
29.825M	5.728225G	5.75805G	Inf	1
27.925M	5.731325G	5.75925G	Inf	2
28.95M	5.73415G	5.7631G	Inf	3
26.875M	5.72885G	5.755725G	Inf	4

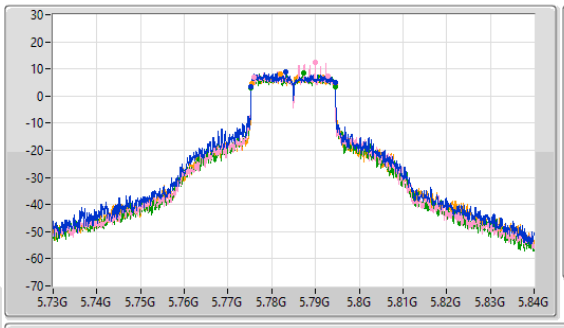
5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5785MHz

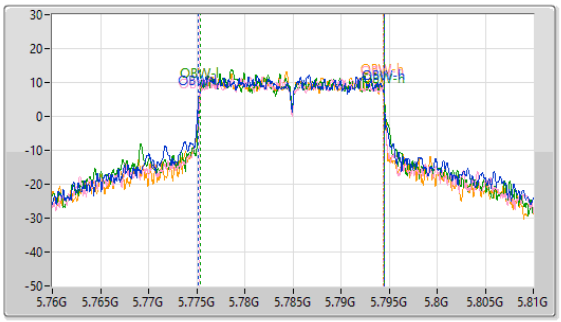
05/09/2023

CF (Hz) 5.785G
Span (Hz) 110M
RBW (Hz) 100k
VBW (Hz) 300k
Sweep Time (s) 83.7u
Detector Type Peak

Port 1
Port 2
Port 3
Port 4



CF (Hz) 5.785G
Span (Hz) 50M
RBW (Hz) 200k
VBW (Hz) 1M
Sweep Time (s) 20.9u
Detector Type Peak



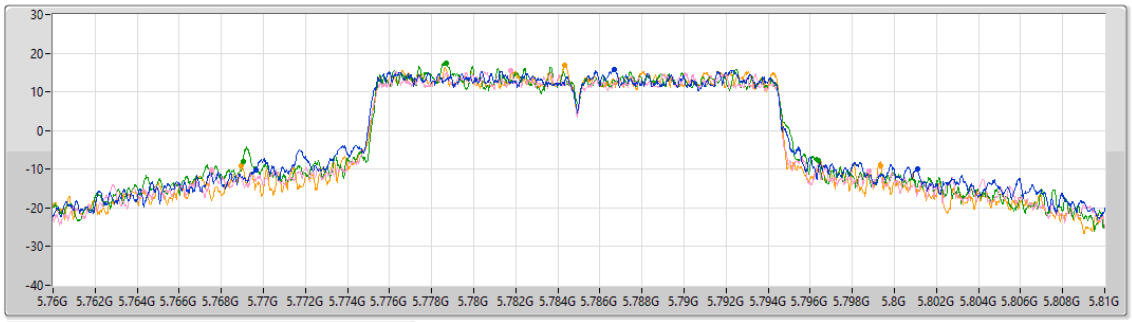
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.14M	5.77532G	5.79446G	19.272M	5.775186G	5.794458G	500k	1
17.105M	5.775815G	5.79292G	19.101M	5.775328G	5.794429G	500k	2
19.14M	5.77532G	5.79446G	19.126M	5.775371G	5.794497G	500k	3
19.085M	5.775375G	5.79446G	19.085M	5.775356G	5.794441G	500k	4

5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5785MHz

05/09/2023

CF (Hz) 5.785G
Span (Hz) 50M
RBW (Hz) 500k
VBW (Hz) 2M
Sweep Time (s) 20.9u
Detector Type Peak



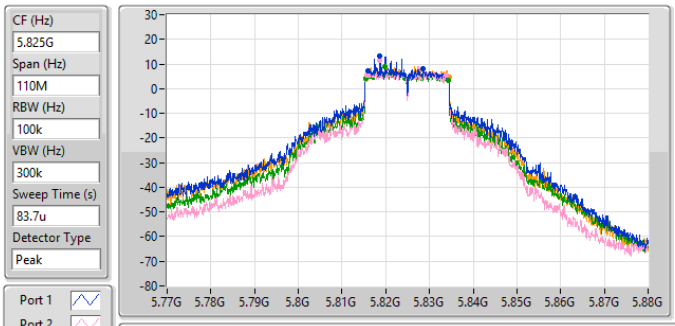
Port 1
Port 2
Port 3
Port 4

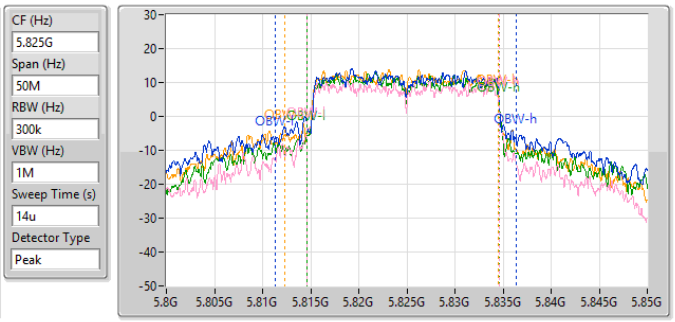
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
31.475M	5.769625G	5.8011G	Inf	1
31.225M	5.76755G	5.798775G	Inf	2
27.375M	5.769025G	5.7964G	Inf	3
30.425M	5.768925G	5.79935G	Inf	4

5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5825MHz

05/09/2023



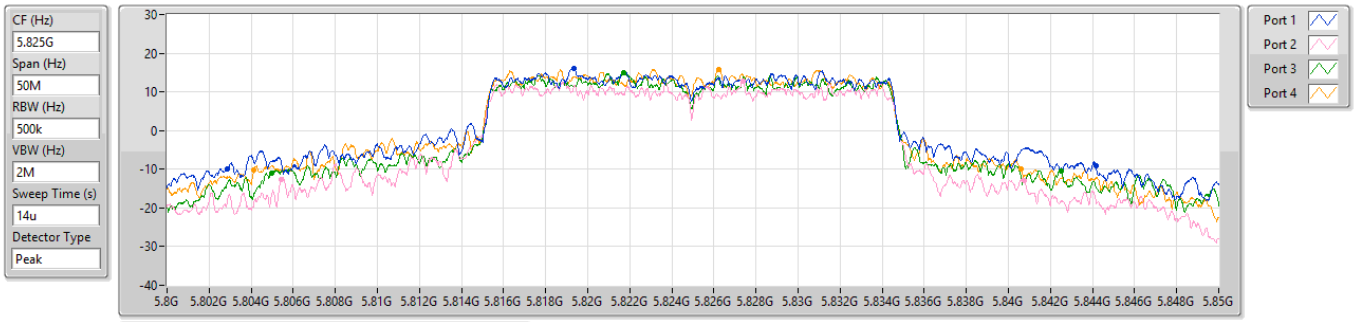


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.43M	5.816035G	5.828465G	25.048M	5.811319G	5.836366G	500k	1
18.04M	5.81576G	5.8338G	19.957M	5.814617G	5.834574G	500k	2
19.03M	5.815375G	5.834405G	20.057M	5.814564G	5.834621G	500k	3
19.085M	5.815375G	5.83446G	22.272M	5.812277G	5.834549G	500k	4

5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **EBW**

5825MHz

05/09/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
41.3M	5.80285G	5.84415G	Inf	1
35.35M	5.805425G	5.840775G	Inf	2
37.55M	5.80495G	5.8425G	Inf	3
36.5M	5.804125G	5.840625G	Inf	4

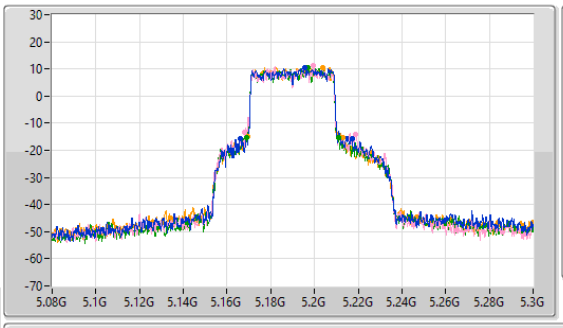
5.15-5.25GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

5190MHz

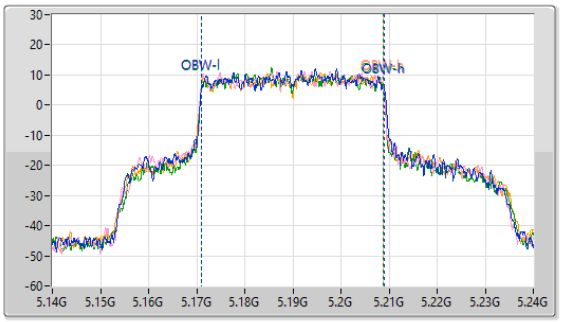
05/09/2023

CF (Hz) 5.19G
Span (Hz) 220M
RBW (Hz) 500k
VBW (Hz) 2M
Sweep Time (s) 29.2u
Detector Type Peak

Port 1
Port 2
Port 3
Port 4



CF (Hz) 5.19G
Span (Hz) 100M
RBW (Hz) 500k
VBW (Hz) 2M
Sweep Time (s) 12.6u
Detector Type Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
51.15M	5.16602G	5.21717G	37.952M	5.171061G	5.209013G	Inf	1
50.71M	5.16822G	5.21893G	37.904M	5.170981G	5.208886G	Inf	2
42.13M	5.16899G	5.21112G	37.767M	5.171053G	5.208819G	Inf	3
43.78M	5.16921G	5.21299G	37.935M	5.170959G	5.208893G	Inf	4

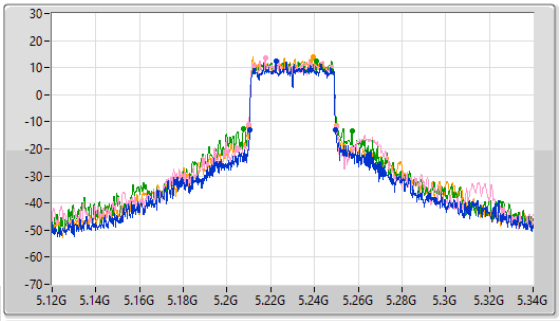
5.15-5.25GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

5230MHz

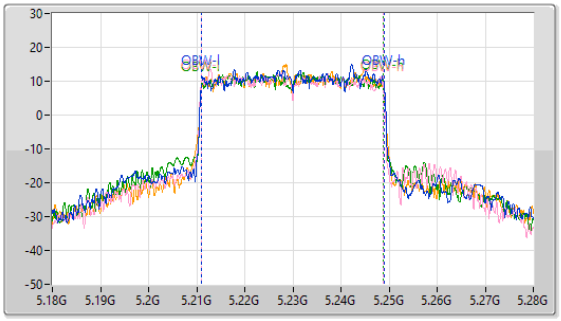
05/09/2023

CF (Hz) 5.23G
Span (Hz) 220M
RBW (Hz) 500k
VBW (Hz) 2M
Sweep Time (s) 29.2u
Detector Type Peak

Port 1
Port 2
Port 3
Port 4



CF (Hz) 5.23G
Span (Hz) 100M
RBW (Hz) 500k
VBW (Hz) 2M
Sweep Time (s) 12.6u
Detector Type Peak

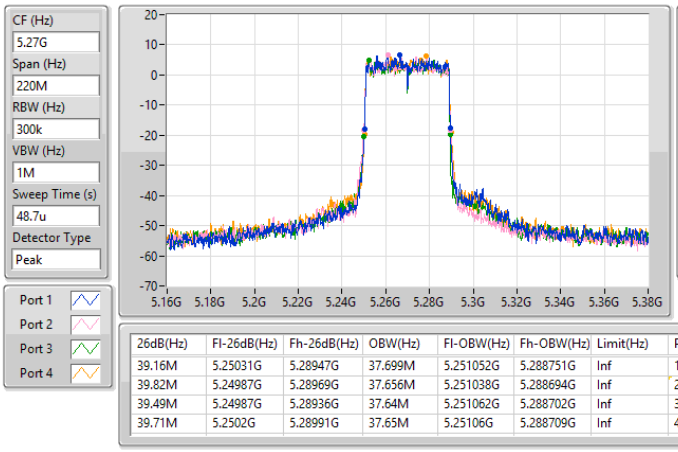


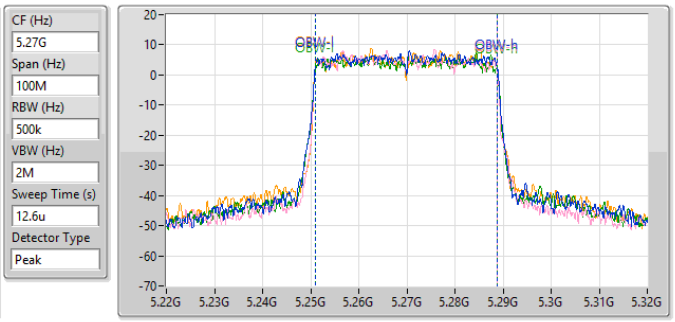
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.27M	5.21042G	5.24969G	37.887M	5.211039G	5.248927G	Inf	1
39.93M	5.20998G	5.24991G	37.854M	5.210961G	5.248815G	Inf	2
49.83M	5.20745G	5.25728G	37.783M	5.21102G	5.248802G	Inf	3
40.15M	5.21009G	5.25024G	37.711M	5.211048G	5.24876G	Inf	4

5.25-5.35GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

5270MHz

05/09/2023



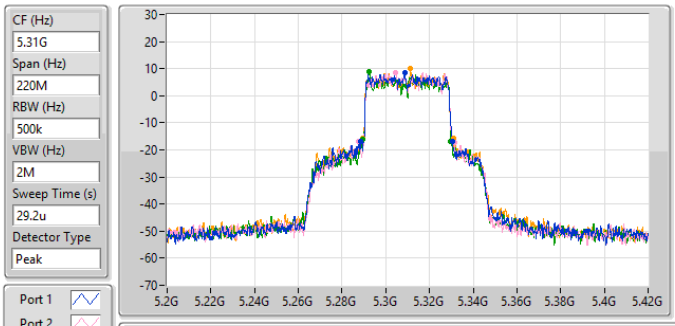


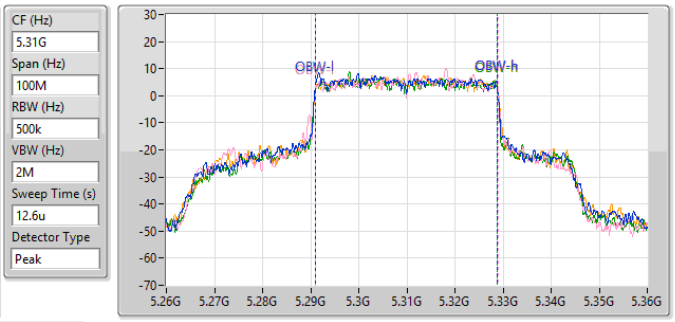
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.16M	5.25031G	5.28947G	37.699M	5.251052G	5.288751G	Inf	1
39.82M	5.24987G	5.28969G	37.656M	5.251038G	5.288694G	Inf	2
39.49M	5.24987G	5.28936G	37.64M	5.251062G	5.288702G	Inf	3
39.71M	5.2502G	5.28991G	37.65M	5.25106G	5.288709G	Inf	4

5.25-5.35GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

5310MHz

05/09/2023



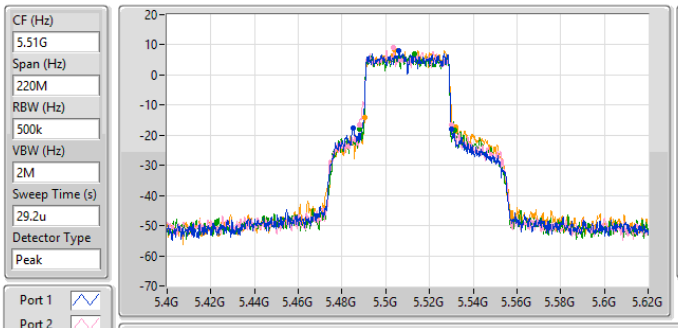


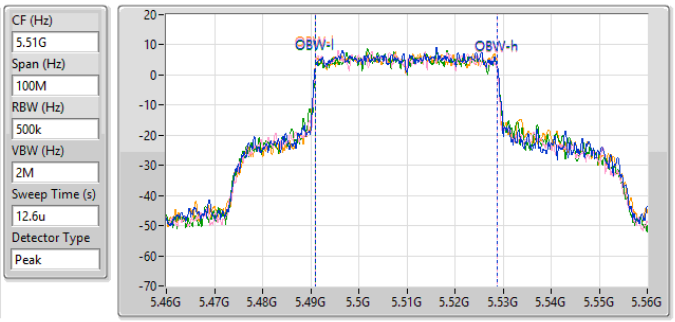
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.02M	5.28866G	5.33068G	37.842M	5.29098G	5.328822G	Inf	1
43.67M	5.28767G	5.33134G	37.987M	5.290933G	5.328921G	Inf	2
40.15M	5.28954G	5.32969G	37.818M	5.290979G	5.328798G	Inf	3
41.47M	5.28954G	5.33101G	37.794M	5.291011G	5.328805G	Inf	4

5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

5510MHz

05/09/2023



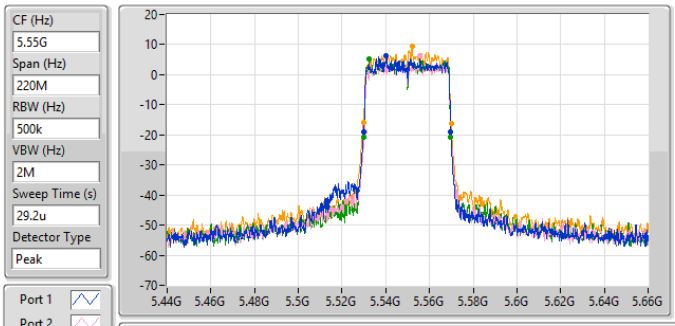


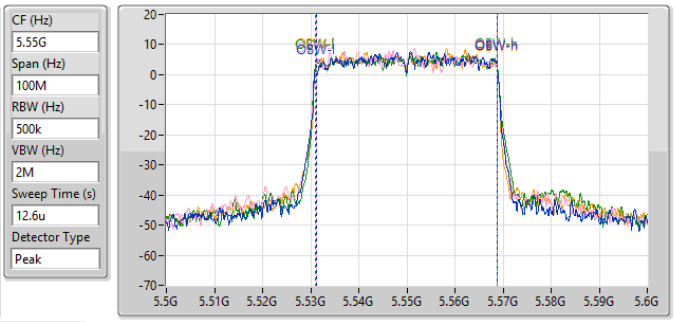
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.88M	5.48503G	5.52991G	37.855M	5.491001G	5.528856G	Inf	1
41.8M	5.48811G	5.52991G	37.704M	5.491014G	5.528718G	Inf	2
43.23M	5.48822G	5.53145G	37.779M	5.491072G	5.52885G	Inf	3
41.91M	5.4902G	5.53211G	37.873M	5.490993G	5.528866G	Inf	4

5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

5550MHz

05/09/2023



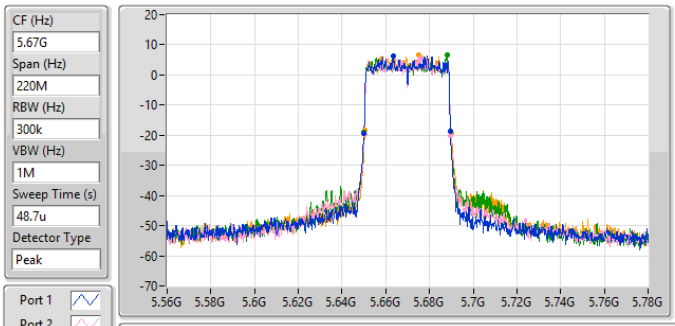


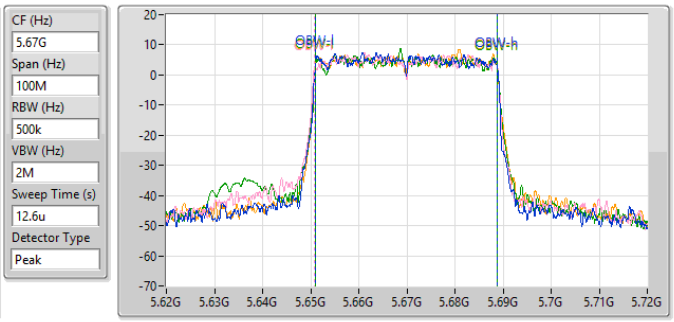
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.82M	5.52987G	5.56969G	37.622M	5.53112G	5.568742G	Inf	1
39.6M	5.5302G	5.5698G	37.558M	5.531173G	5.568731G	Inf	2
39.71M	5.53009G	5.5698G	37.797M	5.531009G	5.568806G	Inf	3
40.15M	5.52976G	5.56991G	37.545M	5.531138G	5.568683G	Inf	4

5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

5670MHz

05/09/2023



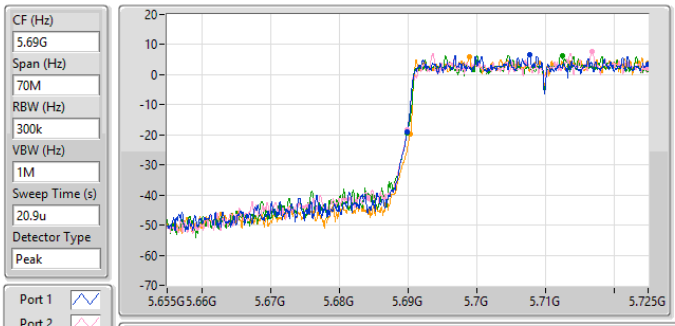


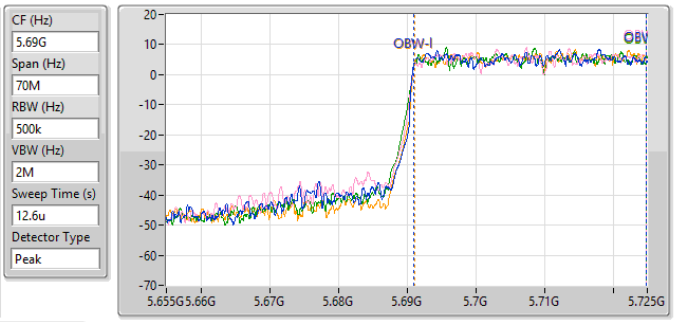
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.64998G	5.68958G	37.717M	5.651044G	5.688761G	Inf	1
39.6M	5.6502G	5.6898G	37.958M	5.650849G	5.688807G	Inf	2
39.6M	5.65009G	5.68969G	37.763M	5.65103G	5.688792G	Inf	3
39.71M	5.65031G	5.69002G	37.732M	5.651011G	5.688743G	Inf	4

5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

5710MHz Straddle 5.47-5.725GHz

05/09/2023





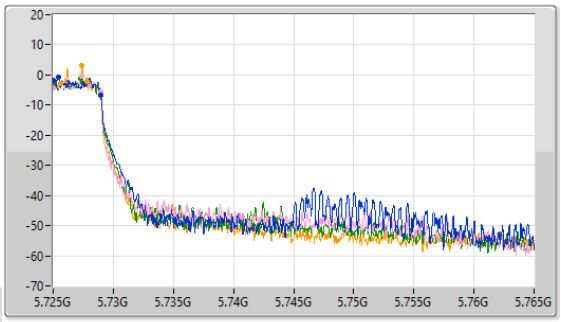
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.07M	5.68993G	5.725G	33.782M	5.691024G	5.724806G	Inf	1
35.07M	5.68993G	5.725G	33.838M	5.691021G	5.724859G	Inf	2
35.07M	5.68993G	5.725G	33.84M	5.690998G	5.724838G	Inf	3
34.615M	5.690385G	5.725G	33.709M	5.691117G	5.724826G	Inf	4

5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

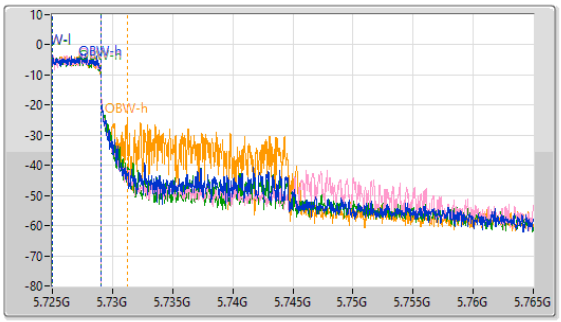
5710MHz Straddle 5.725-5.85GHz

05/09/2023

CF (Hz) 5.745G
Span (Hz) 40M
RBW (Hz) 100k
VBW (Hz) 300k
Sweep Time (s) 41.8u
Detector Type Peak



CF (Hz) 5.745G
Span (Hz) 40M
RBW (Hz) 50k
VBW (Hz) 200k
Sweep Time (s) 168u
Detector Type Peak



Port 1
Port 2
Port 3
Port 4

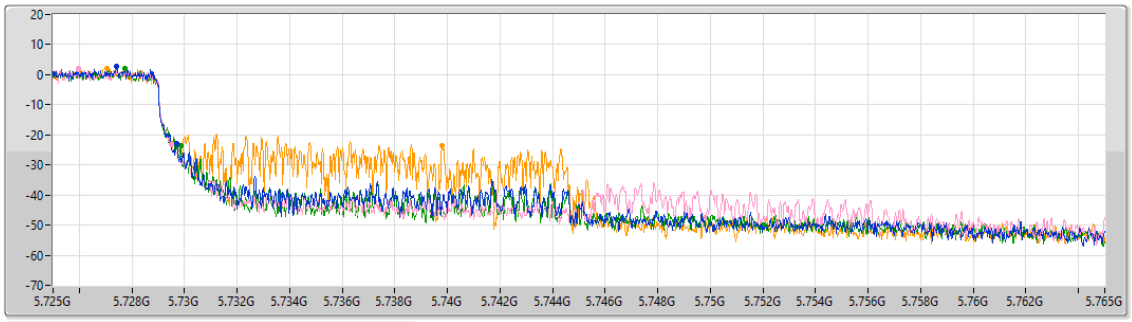
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.96M	5.725G	5.72896G	3.998M	5.725018G	5.729016G	500k	1
3.96M	5.725G	5.72896G	4.01M	5.725019G	5.729029G	500k	2
3.96M	5.725G	5.72896G	4.004M	5.725021G	5.729025G	500k	3
2.22M	5.72562G	5.72784G	6.24M	5.725021G	5.731261G	500k	4

5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

5710MHz Straddle 5.725-5.85GHz

05/09/2023

CF (Hz) 5.745G
Span (Hz) 40M
RBW (Hz) 200k
VBW (Hz) 1M
Sweep Time (s) 168u
Detector Type Peak



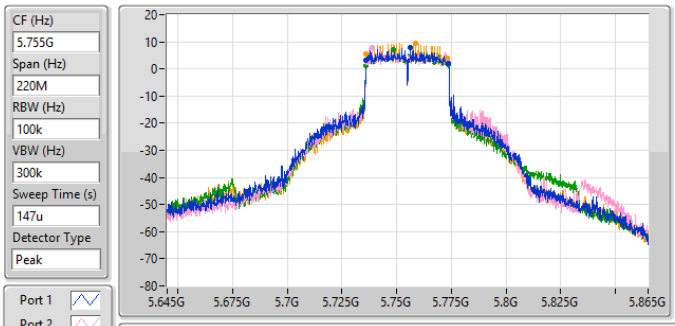
Port 1
Port 2
Port 3
Port 4

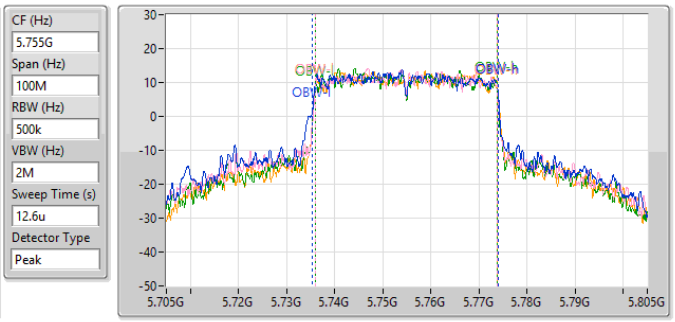
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
4.72M	5.725G	5.72972G	Inf	1
4.52M	5.725G	5.72952G	Inf	2
4.86M	5.725G	5.72986G	Inf	3
14.8M	5.725G	5.7398G	Inf	4

5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

5755MHz

05/09/2023



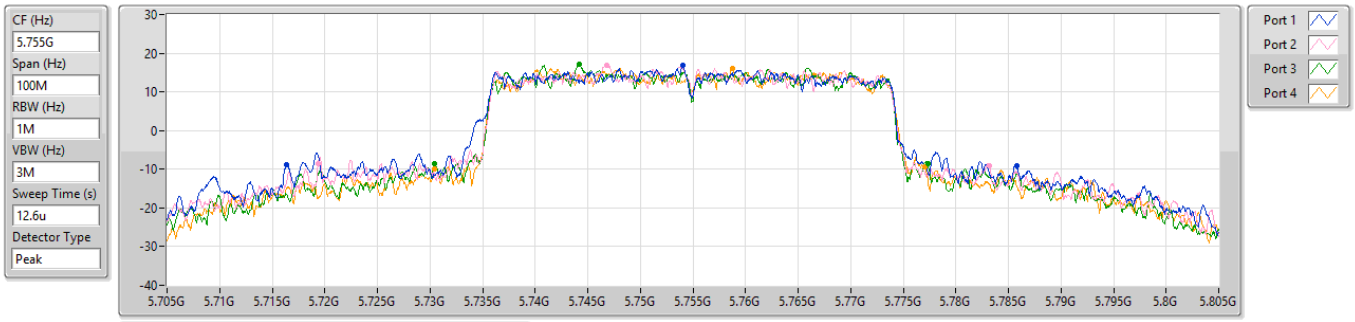


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.84M	5.73597G	5.77381G	38.631M	5.735297G	5.773928G	500k	1
37.4M	5.73619G	5.77359G	37.885M	5.735908G	5.773793G	500k	2
37.62M	5.73586G	5.77348G	37.865M	5.73592G	5.773785G	500k	3
36.96M	5.73608G	5.77304G	37.944M	5.735931G	5.773875G	500k	4

5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

5755MHz

05/09/2023

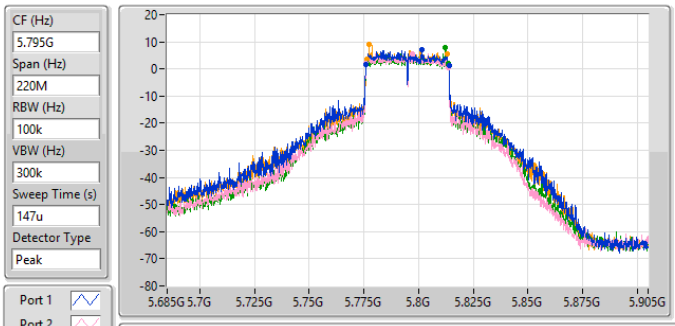


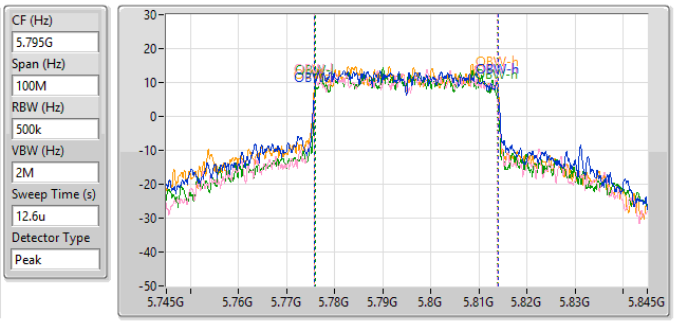
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
69.45M	5.71635G	5.7858G	Inf	1
63.8M	5.71935G	5.78315G	Inf	2
46.9M	5.73045G	5.77735G	Inf	3
46.6M	5.73045G	5.77705G	Inf	4

5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

5795MHz

05/09/2023



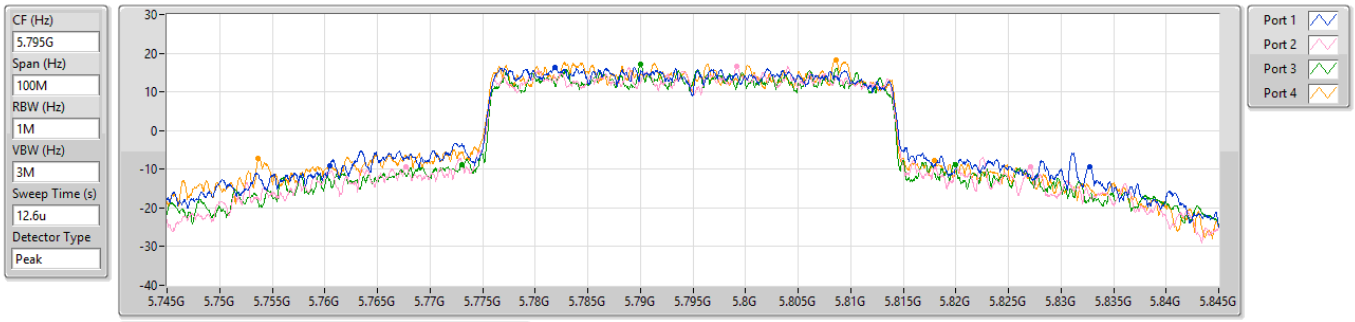


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.06M	5.77586G	5.81392G	38.254M	5.775694G	5.813948G	500k	1
37.95M	5.77586G	5.81381G	37.97M	5.775868G	5.813838G	500k	2
37.29M	5.77619G	5.81348G	37.791M	5.775955G	5.813746G	500k	3
36.96M	5.77619G	5.81315G	38.228M	5.775682G	5.81391G	500k	4

5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **EBW**

5795MHz

05/09/2023

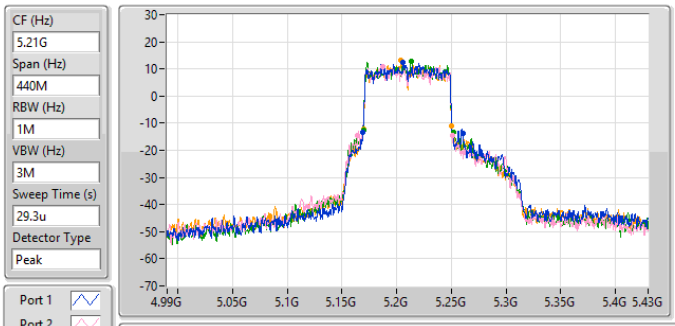


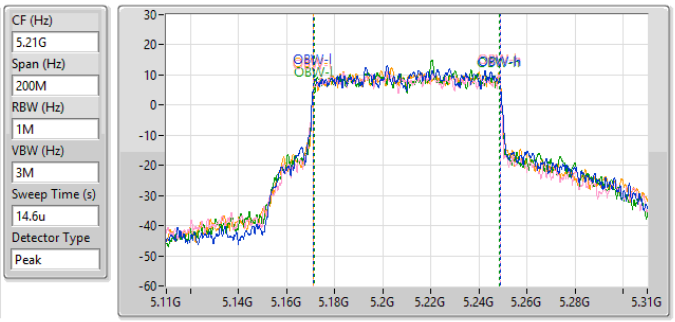
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
72.3M	5.76045G	5.83275G	Inf	1
59.45M	5.7677G	5.82715G	Inf	2
46.95M	5.773G	5.81995G	Inf	3
64.35M	5.75365G	5.818G	Inf	4

5.15-5.25GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX **EBW**

5210MHz

05/09/2023



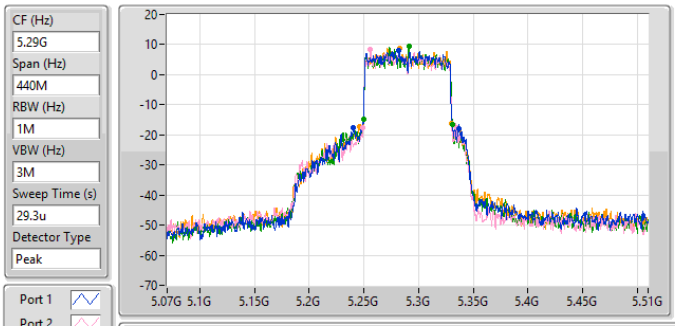


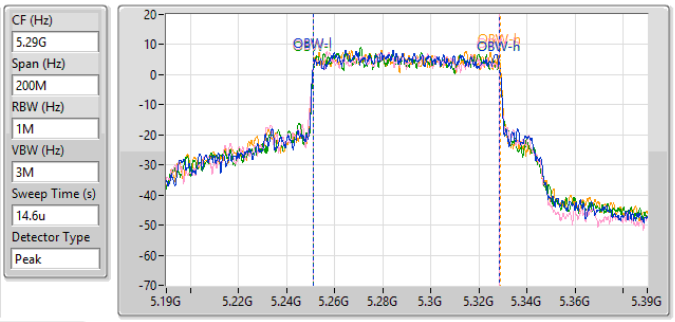
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
91.3M	5.16908G	5.26038G	77.481M	5.17129G	5.248771G	Inf	1
86.24M	5.16446G	5.2507G	77.539M	5.171235G	5.248775G	Inf	2
82.94M	5.16952G	5.25246G	77.098M	5.171574G	5.248672G	Inf	3
80.3M	5.16974G	5.25004G	77.548M	5.171304G	5.248852G	Inf	4

5.25-5.35GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX **EBW**

5290MHz

05/09/2023



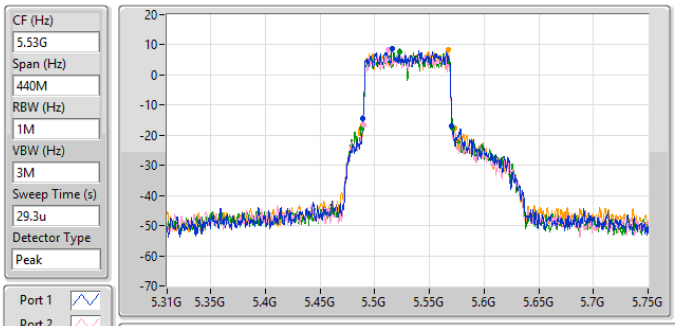


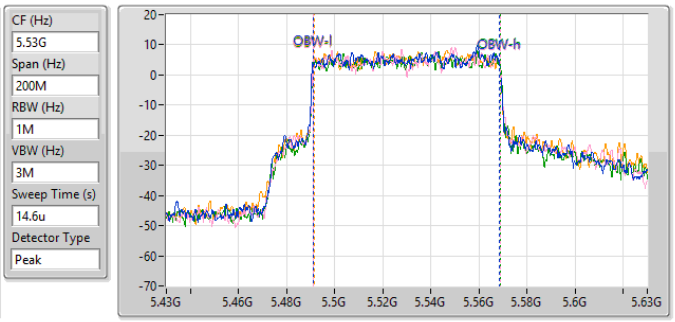
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
96.8M	5.2405G	5.3373G	77.265M	5.25119G	5.328455G	Inf	1
85.58M	5.24908G	5.33466G	77.509M	5.251012G	5.328521G	Inf	2
81.18M	5.24952G	5.3307G	77.224M	5.251307G	5.328532G	Inf	3
84.04M	5.24644G	5.33048G	77.514M	5.251203G	5.328717G	Inf	4

5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX **EBW**

5530MHz

05/09/2023



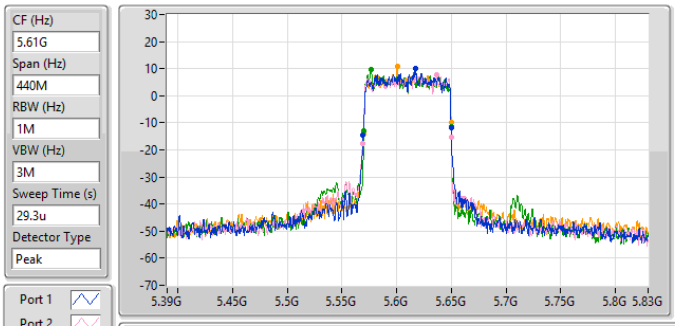


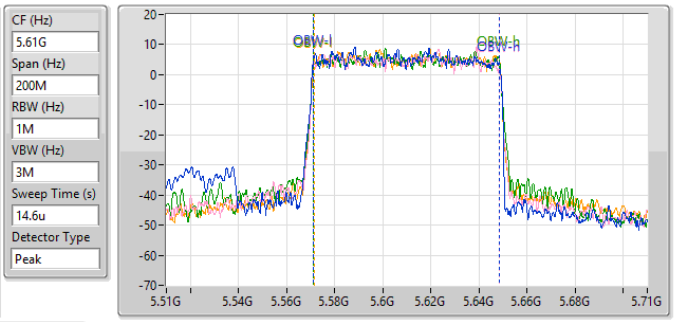
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.18M	5.4893G	5.57048G	77.601M	5.49095G	5.568551G	Inf	1
80.96M	5.48952G	5.57048G	77.402M	5.49128G	5.568682G	Inf	2
84.04M	5.48754G	5.57158G	77.649M	5.491229G	5.568878G	Inf	3
83.82M	5.48908G	5.5729G	77.23M	5.491406G	5.568636G	Inf	4

5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX **EBW**

5610MHz

05/09/2023



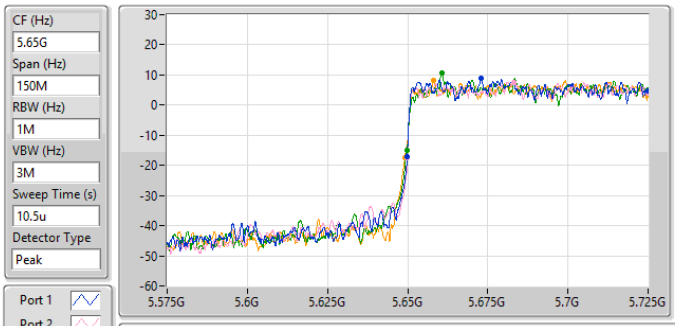


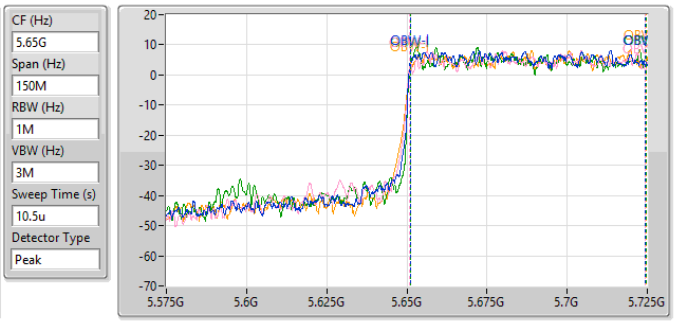
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.52M	5.5693G	5.64982G	77.357M	5.571076G	5.648433G	Inf	1
81.4M	5.56864G	5.65004G	77.371M	5.571034G	5.648405G	Inf	2
79.86M	5.56996G	5.64982G	77.509M	5.571065G	5.648575G	Inf	3
80.3M	5.56952G	5.64982G	77.169M	5.571441G	5.64861G	Inf	4

5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX **EBW**

5690MHz Straddle 5.47-5.725GHz

05/09/2023



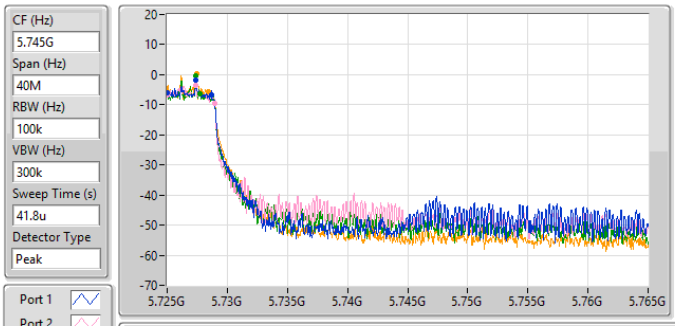


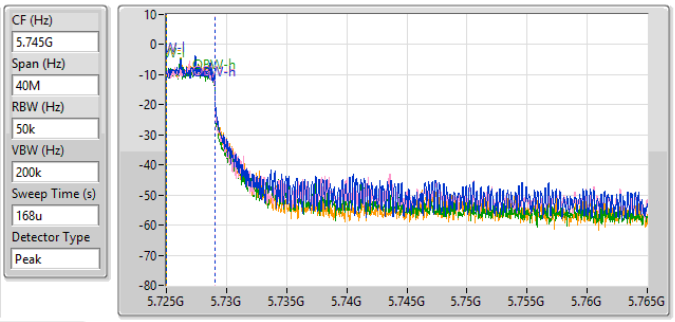
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.15M	5.64985G	5.725G	73.307M	5.651144G	5.724452G	Inf	1
75.15M	5.64985G	5.725G	73.443M	5.650985G	5.724428G	Inf	2
75.3M	5.6497G	5.725G	73.395M	5.651229G	5.724623G	Inf	3
75.825M	5.649175G	5.725G	73.374M	5.651306G	5.72468G	Inf	4

5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX **EBW**

5690MHz Straddle 5.725-5.85GHz

05/09/2023



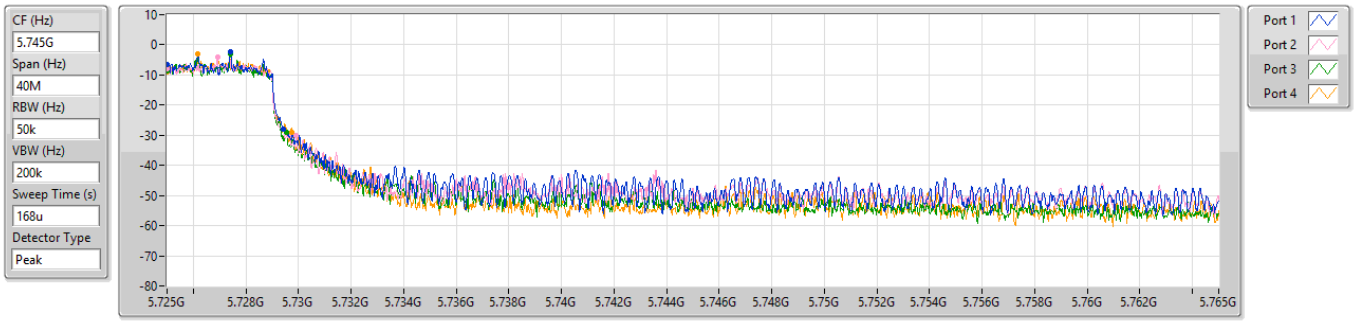


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.68M	5.725G	5.72868G	4.039M	5.725016G	5.729055G	500k	1
3.96M	5.725G	5.72896G	4M	5.72502G	5.729021G	500k	2
2.72M	5.725G	5.72772G	3.993M	5.725024G	5.729017G	500k	3
3.42M	5.725G	5.72842G	3.992M	5.725027G	5.729019G	500k	4

5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX **EBW**

5690MHz Straddle 5.725-5.85GHz

05/09/2023

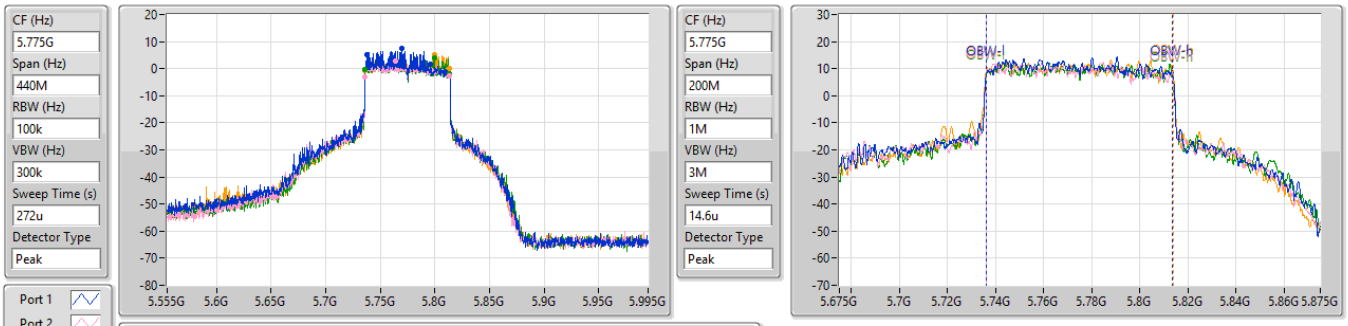


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
4.44M	5.725G	5.72944G	Inf	1
4.92M	5.725G	5.72992G	Inf	2
4.56M	5.725G	5.72956G	Inf	3
4.76M	5.725G	5.72976G	Inf	4

5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX **EBW**

5775MHz

05/09/2023

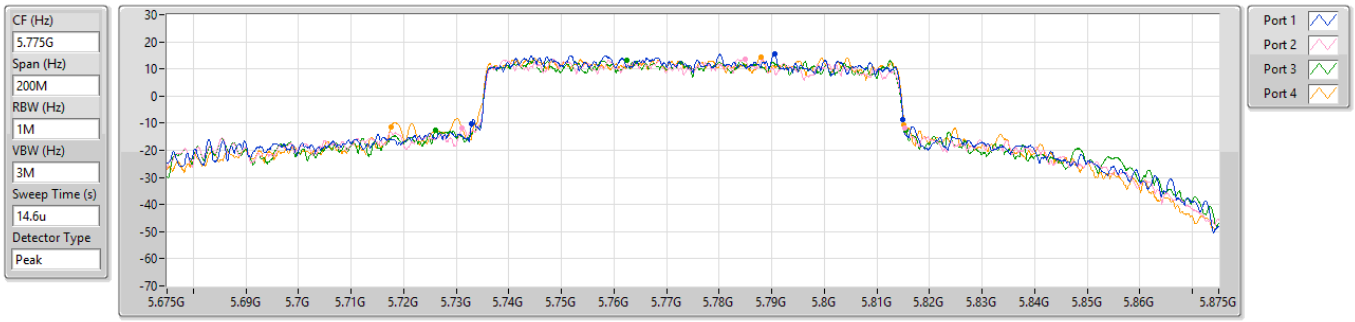


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
58.3M	5.73738G	5.79568G	77.348M	5.736209G	5.813557G	500k	1
77.66M	5.73584G	5.8135G	77.175M	5.736199G	5.813374G	500k	2
77.22M	5.73628G	5.8135G	77.165M	5.736136G	5.813301G	500k	3
76.78M	5.73606G	5.81284G	77.769M	5.735952G	5.813721G	500k	4

5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX **EBW**

5775MHz

05/09/2023

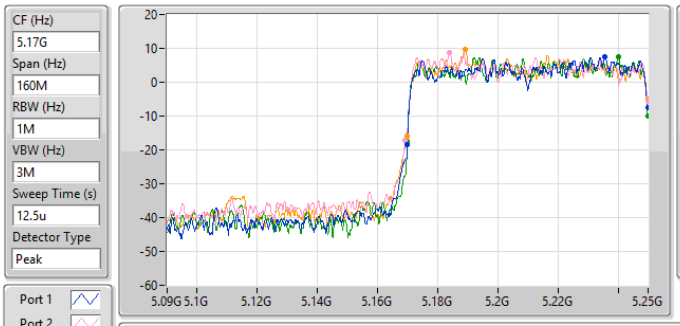


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
82M	5.7329G	5.8149G	Inf	1
84.2M	5.7311G	5.8153G	Inf	2
89.4M	5.7261G	5.8155G	Inf	3
97.6M	5.7176G	5.8152G	Inf	4

5.15-5.25GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX **EBW**

5250MHz Straddle 5.15-5.25GHz

05/09/2023

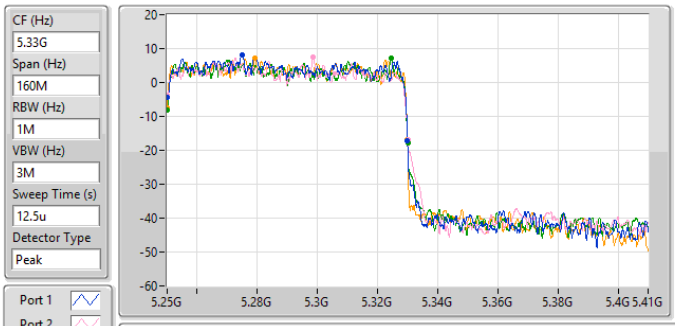


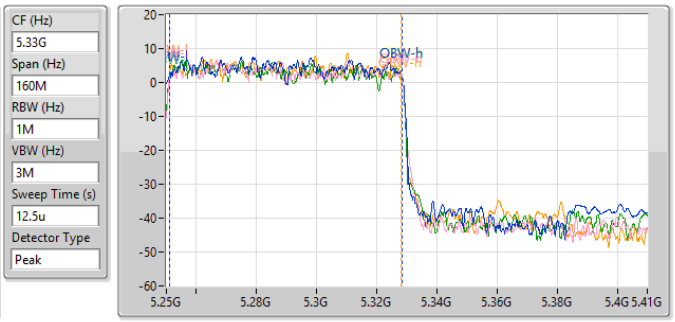
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.16M	5.16984G	5.25G	77.242M	5.171562G	5.248804G	Inf	1
80.72M	5.16928G	5.25G	77.106M	5.171528G	5.248635G	Inf	2
80.08M	5.16992G	5.25G	77.166M	5.171486G	5.248652G	Inf	3
80.24M	5.16976G	5.25G	77.365M	5.171354G	5.248719G	Inf	4

5.25-5.35GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX **EBW**

5250MHz Straddle 5.25-5.35GHz

05/09/2023



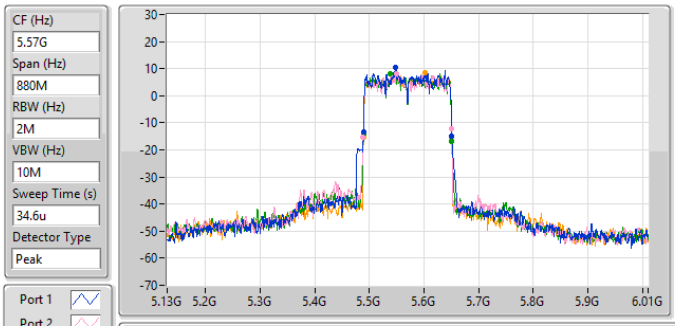


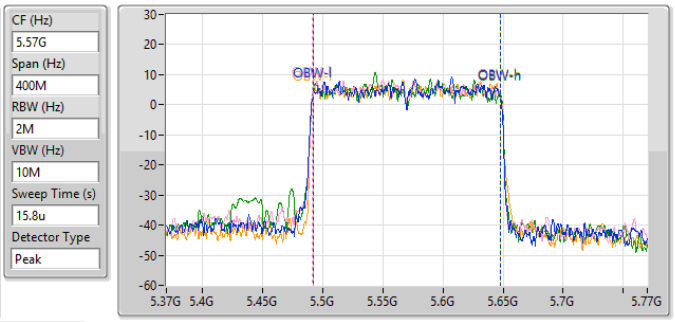
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
79.92M	5.25G	5.32992G	77.38M	5.250939G	5.328319G	Inf	1
80M	5.25G	5.33G	77.103M	5.251174G	5.328276G	Inf	2
80M	5.25G	5.33G	77.317M	5.251174G	5.328491G	Inf	3
79.92M	5.25G	5.32992G	76.8M	5.251227G	5.328027G	Inf	4

5.47-5.725GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX **EBW**

5570MHz

05/09/2023



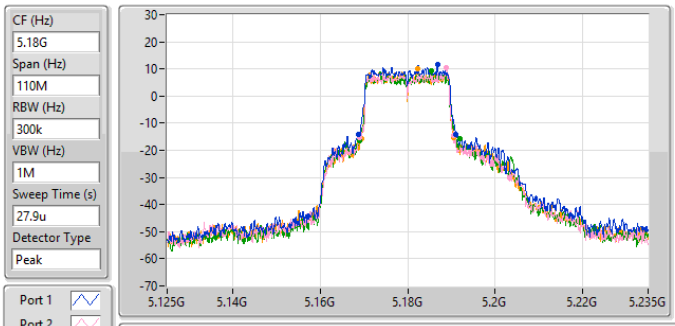


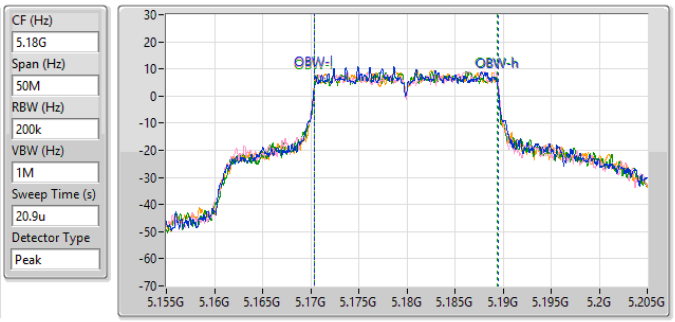
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
161.92M	5.48904G	5.65096G	155.816M	5.491799G	5.647615G	Inf	1
161.92M	5.4886G	5.65052G	156.178M	5.491672G	5.64785G	Inf	2
161.92M	5.48904G	5.65096G	156.372M	5.491833G	5.648206G	Inf	3
161.92M	5.48904G	5.65096G	155.952M	5.491985G	5.647937G	Inf	4

5.15-5.25GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5180MHz

05/09/2023



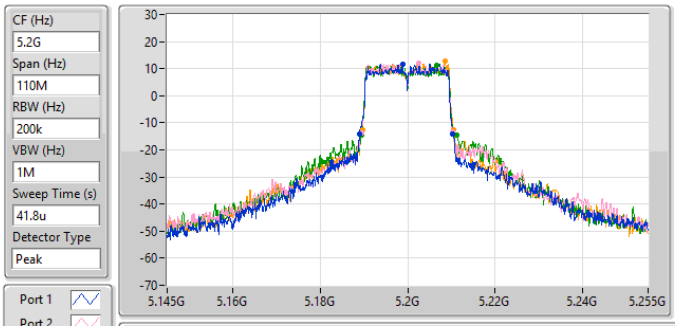


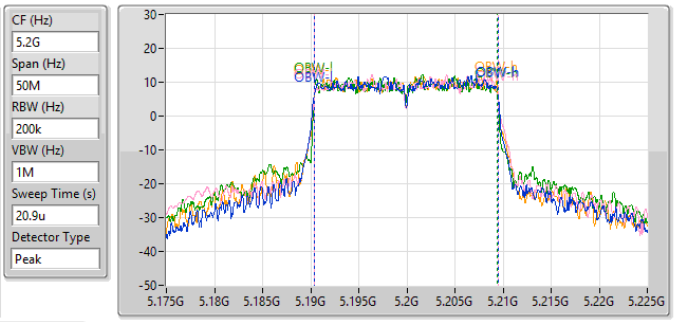
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.44M	5.16867G	5.19111G	19.053M	5.170403G	5.189457G	Inf	1
21.56M	5.168945G	5.190505G	19.134M	5.170379G	5.189514G	Inf	2
22.99M	5.169G	5.19199G	19.019M	5.170419G	5.189439G	Inf	3
21.01M	5.16944G	5.19045G	19.074M	5.170392G	5.189466G	Inf	4

5.15-5.25GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5200MHz

05/09/2023



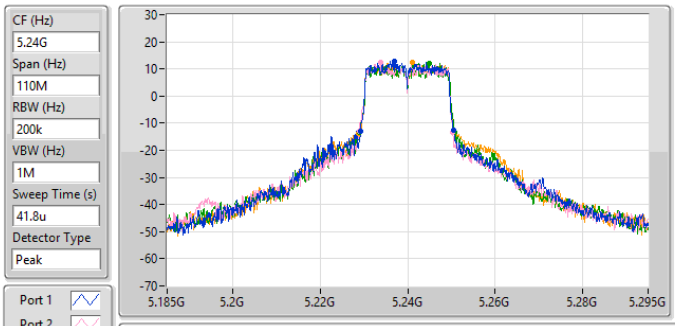


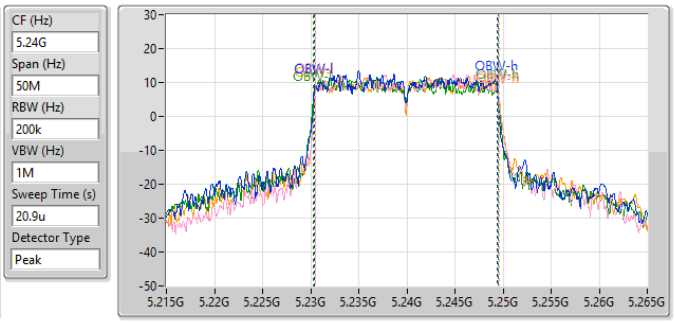
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.395M	5.189G	5.210395G	19.105M	5.190356G	5.209462G	Inf	1
20.845M	5.189385G	5.21023G	19.096M	5.190398G	5.209494G	Inf	2
21.945M	5.189385G	5.21133G	18.984M	5.190413G	5.209398G	Inf	3
20.9M	5.189605G	5.210505G	19.011M	5.190419G	5.209431G	Inf	4

5.15-5.25GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5240MHz

05/09/2023



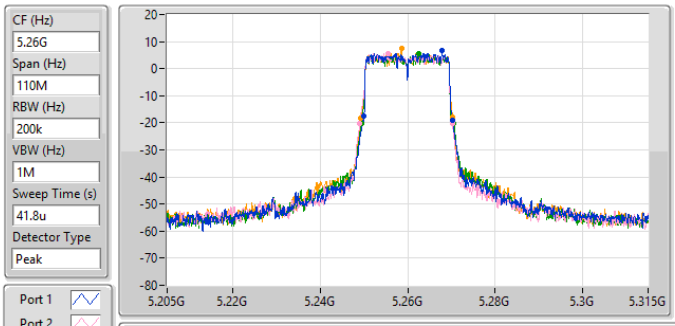


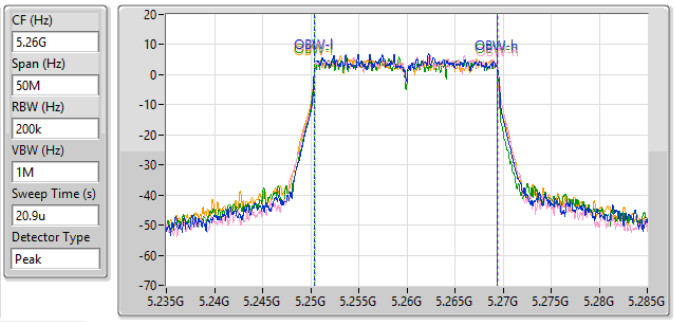
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.34M	5.22922G	5.25056G	19.017M	5.230388G	5.249405G	Inf	1
21.395M	5.228945G	5.25034G	19.118M	5.230453G	5.24957G	Inf	2
21.89M	5.228945G	5.250835G	19.152M	5.230315G	5.249466G	Inf	3
22.11M	5.228725G	5.250835G	19.077M	5.230464G	5.249541G	Inf	4

5.25-5.35GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5260MHz

05/09/2023



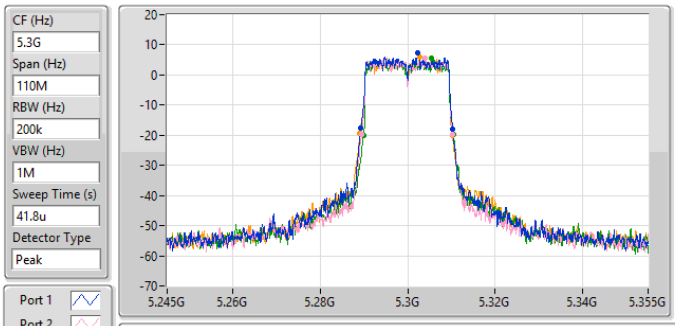


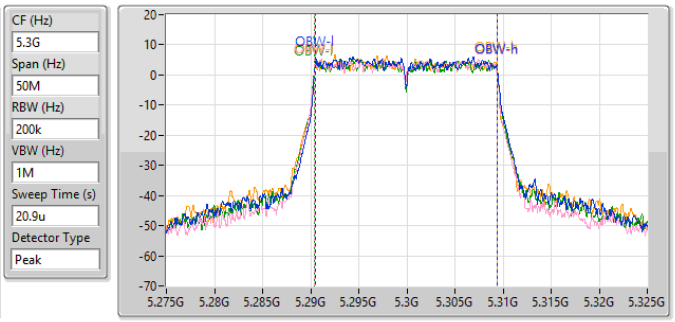
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.295M	5.250045G	5.27034G	19.014M	5.250436G	5.26945G	Inf	1
21.175M	5.249055G	5.27023G	19.029M	5.250452G	5.269482G	Inf	2
21.12M	5.24944G	5.27056G	18.967M	5.250436G	5.269402G	Inf	3
20.9M	5.24933G	5.27023G	18.98M	5.250425G	5.269405G	Inf	4

5.25-5.35GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5300MHz

05/09/2023



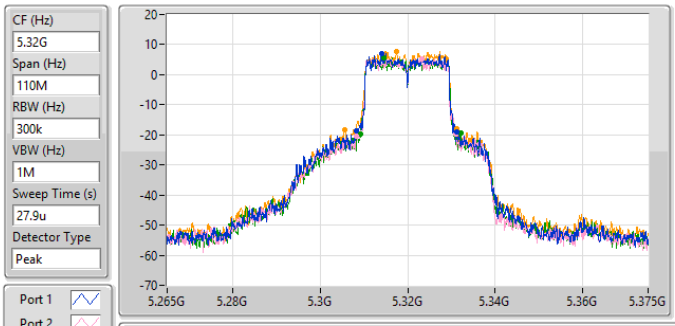


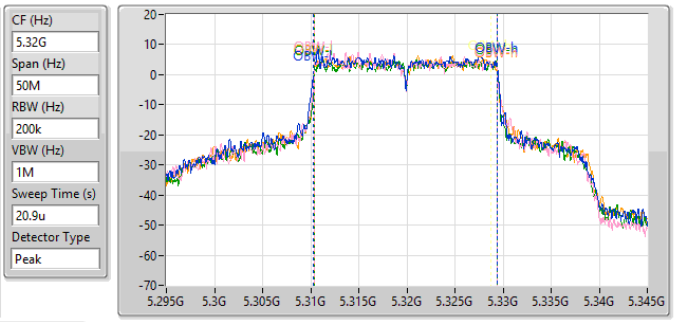
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.955M	5.28933G	5.310285G	18.968M	5.290443G	5.309411G	Inf	1
20.955M	5.28944G	5.310395G	18.985M	5.290409G	5.309394G	Inf	2
20.57M	5.289935G	5.310505G	19.038M	5.290379G	5.309417G	Inf	3
21.12M	5.28911G	5.31023G	18.955M	5.29044G	5.309395G	Inf	4

5.25-5.35GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5320MHz

05/09/2023



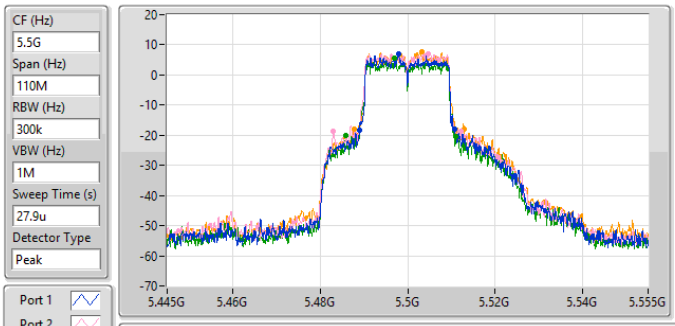


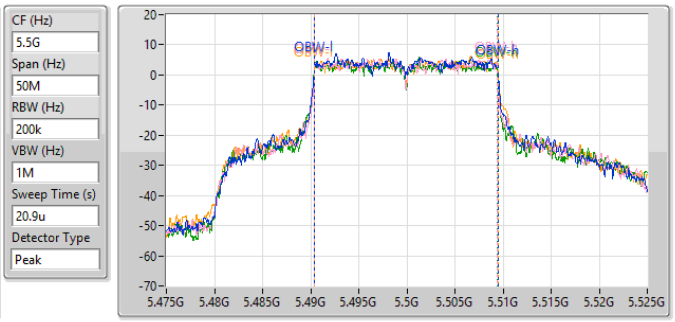
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.935M	5.30834G	5.331275G	19.124M	5.310312G	5.329436G	Inf	1
22.88M	5.308175G	5.331055G	18.996M	5.310417G	5.329413G	Inf	2
22.99M	5.30922G	5.33221G	19.03M	5.310415G	5.329445G	Inf	3
25.74M	5.305535G	5.331275G	19.011M	5.310412G	5.329423G	Inf	4

5.47-5.725GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5500MHz

05/09/2023



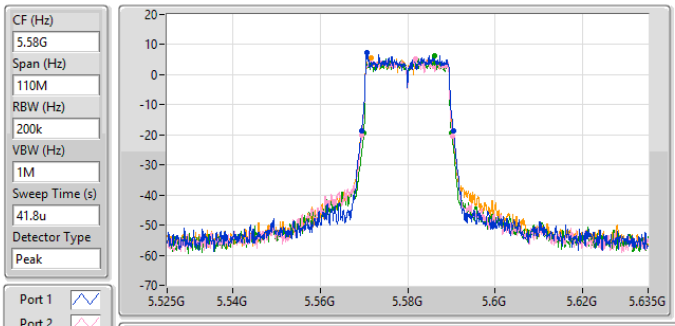


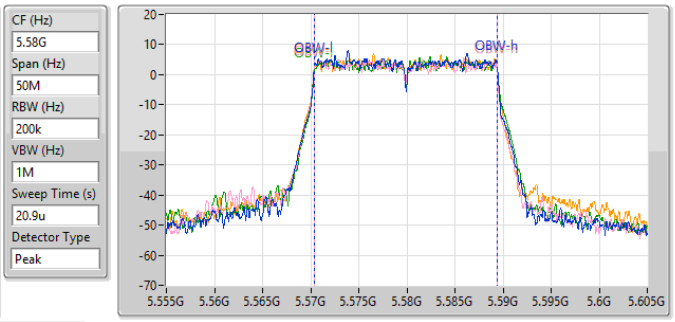
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.489G	5.51078G	19.057M	5.490396G	5.509453G	Inf	1
29.095M	5.48306G	5.512155G	19.023M	5.490407G	5.50943G	Inf	2
25.19M	5.485865G	5.511055G	19.06M	5.490368G	5.509429G	Inf	3
25.19M	5.48768G	5.51287G	19.084M	5.490391G	5.509476G	Inf	4

5.47-5.725GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5580MHz

05/09/2023



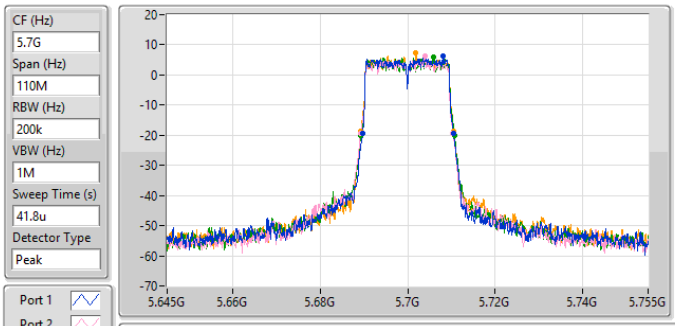


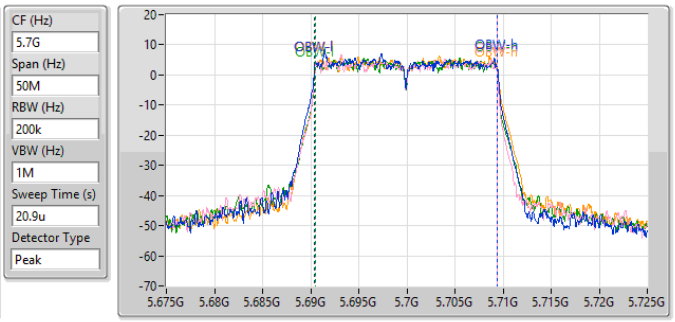
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.065M	5.56944G	5.590505G	19.003M	5.570392G	5.589395G	Inf	1
20.9M	5.569495G	5.590395G	18.998M	5.570387G	5.589385G	Inf	2
20.075M	5.56999G	5.590065G	19.045M	5.570385G	5.589431G	Inf	3
20.955M	5.569385G	5.59034G	19.056M	5.57035G	5.589407G	Inf	4

5.47-5.725GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5700MHz

05/09/2023



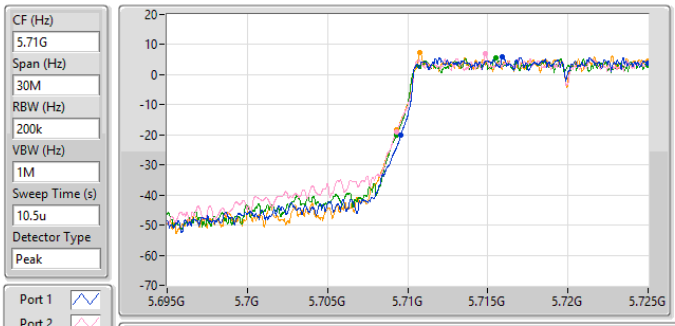


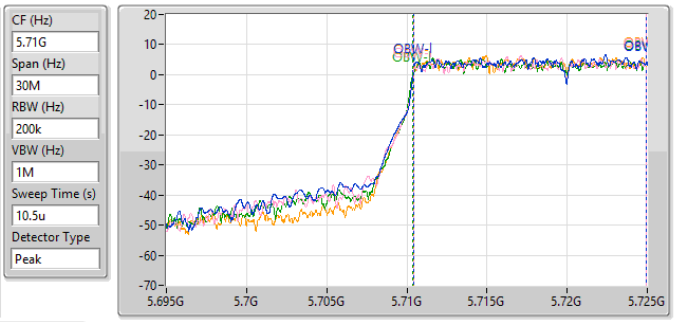
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.79M	5.689715G	5.710505G	19.036M	5.690396G	5.709433G	Inf	1
21.12M	5.689275G	5.710395G	18.946M	5.690424G	5.709371G	Inf	2
21.395M	5.68933G	5.710725G	18.936M	5.690471G	5.709407G	Inf	3
21.285M	5.68933G	5.710615G	19.006M	5.69044G	5.709446G	Inf	4

5.47-5.725GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5720MHz Straddle 5.47-5.725GHz

05/09/2023



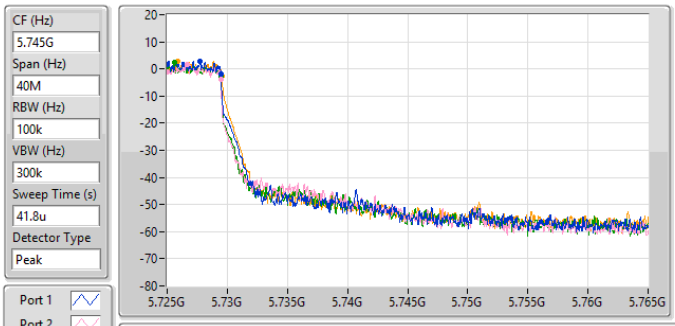


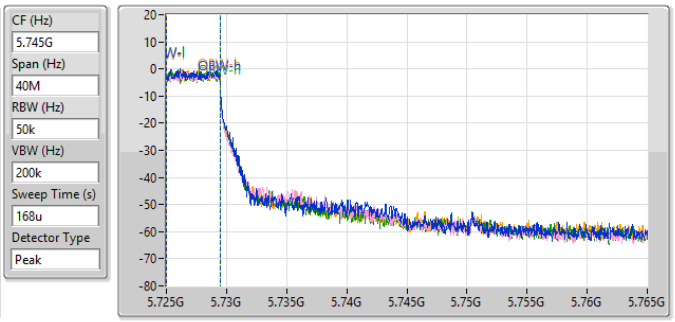
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.42M	5.70958G	5.725G	14.503M	5.710408G	5.724911G	Inf	1
15.72M	5.70928G	5.725G	14.525M	5.710402G	5.724927G	Inf	2
15.705M	5.709295G	5.725G	14.559M	5.710364G	5.724923G	Inf	3
15.675M	5.709325G	5.725G	14.525M	5.710398G	5.724923G	Inf	4

5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5720MHz Straddle 5.725-5.85GHz

05/09/2023



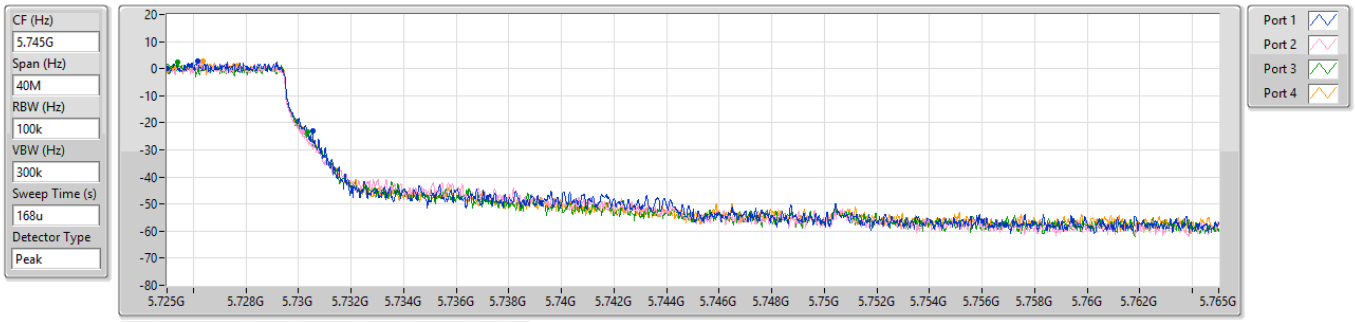


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.46M	5.725G	5.72946G	4.492M	5.725024G	5.729516G	500k	1
4.46M	5.725G	5.72946G	4.47M	5.72502G	5.729489G	500k	2
4.44M	5.725G	5.72944G	4.498M	5.725017G	5.729515G	500k	3
4.54M	5.725G	5.72954G	4.464M	5.72503G	5.729494G	500k	4

5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5720MHz Straddle 5.725-5.85GHz

05/09/2023

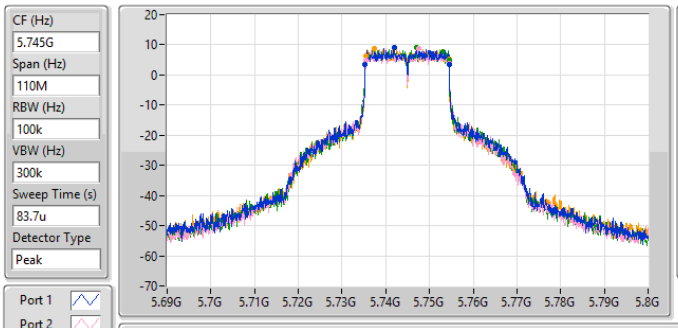


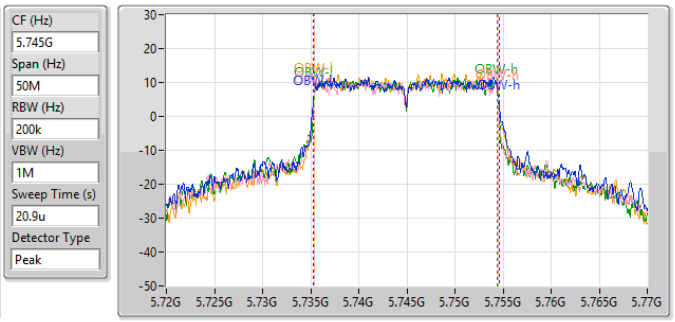
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.54M	5.725G	5.73054G	Inf	1
5.14M	5.725G	5.73014G	Inf	2
5.34M	5.725G	5.73034G	Inf	3
5.3M	5.725G	5.7303G	Inf	4

5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5745MHz

05/09/2023



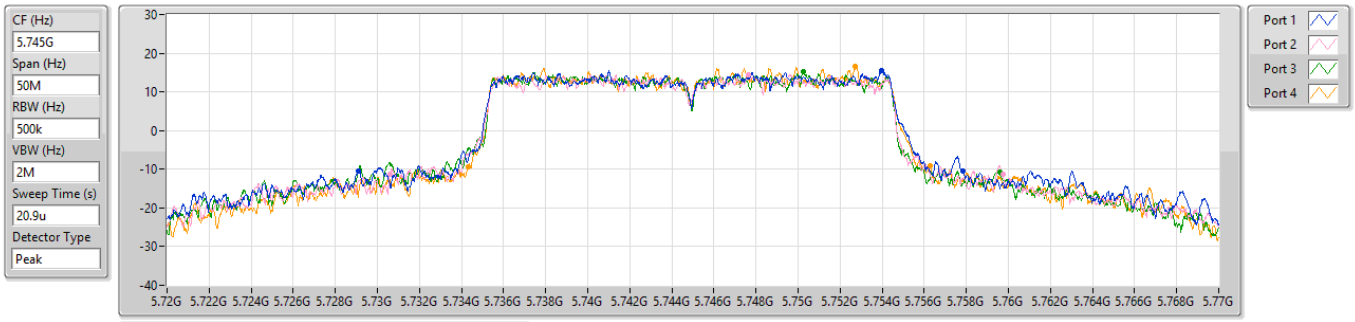


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.195M	5.73532G	5.754515G	19.268M	5.735315G	5.754583G	500k	1
19.03M	5.73543G	5.75446G	19.116M	5.735353G	5.754469G	500k	2
19.14M	5.73532G	5.75446G	19.056M	5.73537G	5.754426G	500k	3
19.085M	5.735375G	5.75446G	19.109M	5.735407G	5.754516G	500k	4

5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5745MHz

05/09/2023

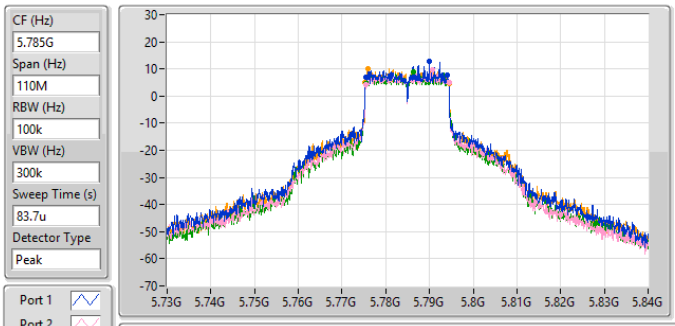


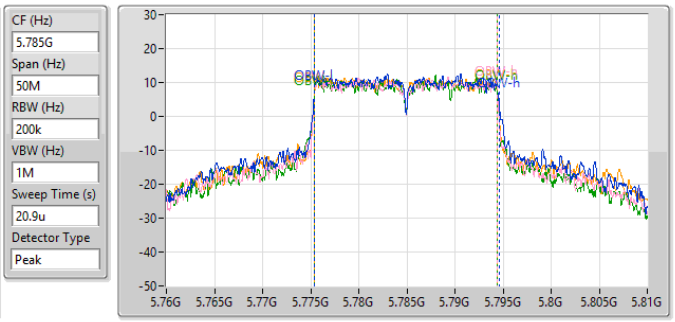
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
28.75M	5.729075G	5.757825G	Inf	1
29.125M	5.7306G	5.759725G	Inf	2
30.5M	5.729075G	5.759575G	Inf	3
21.975M	5.734325G	5.7563G	Inf	4

5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5785MHz

05/09/2023



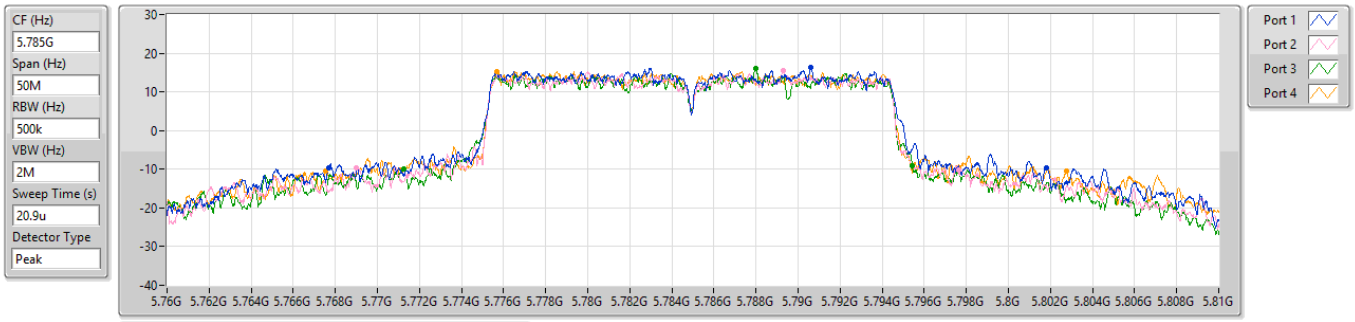


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.755M	5.77543G	5.794185G	19.25M	5.775342G	5.794592G	500k	1
19.03M	5.77543G	5.79446G	19.074M	5.775368G	5.794442G	500k	2
19.085M	5.775375G	5.79446G	19.105M	5.775334G	5.794439G	500k	3
19.14M	5.77532G	5.79446G	19.081M	5.775367G	5.794448G	500k	4

5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5785MHz

05/09/2023

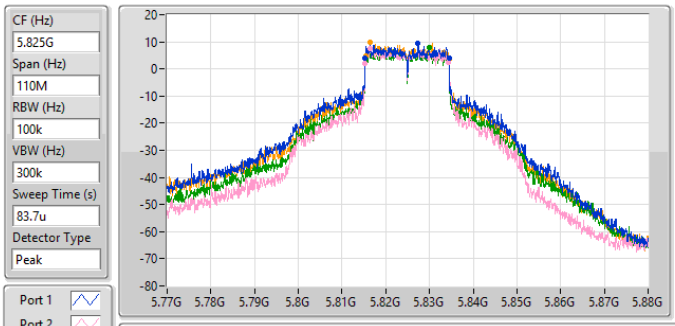


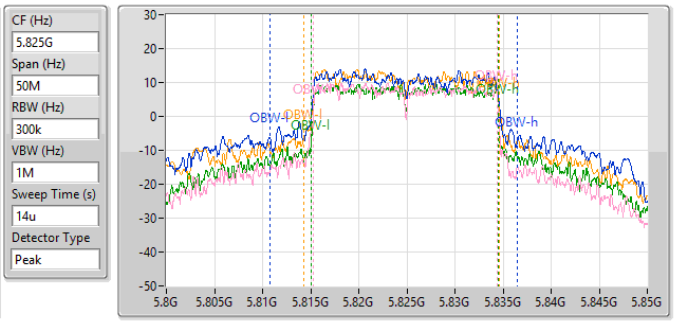
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
34.125M	5.767675G	5.8018G	Inf	1
28.625M	5.769G	5.797625G	Inf	2
24.2M	5.77125G	5.79545G	Inf	3
35.225M	5.767525G	5.80275G	Inf	4

5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5825MHz

05/09/2023



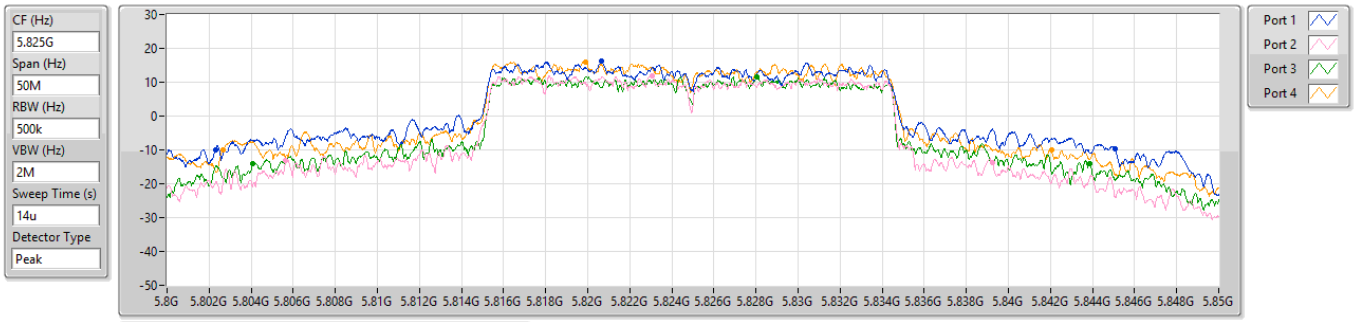


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.14M	5.81532G	5.83446G	25.665M	5.810811G	5.836476G	500k	1
19.085M	5.81532G	5.834405G	19.115M	5.815314G	5.834429G	500k	2
19.03M	5.815375G	5.834405G	19.456M	5.815054G	5.83451G	500k	3
19.085M	5.815375G	5.83446G	20.229M	5.81434G	5.834569G	500k	4

5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **EBW**

5825MHz

05/09/2023

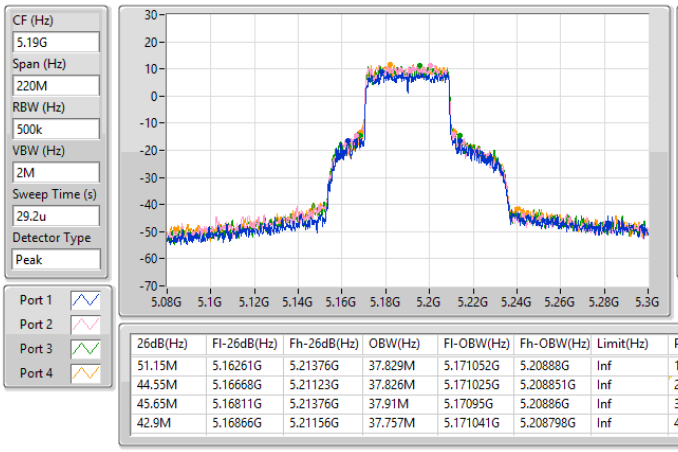


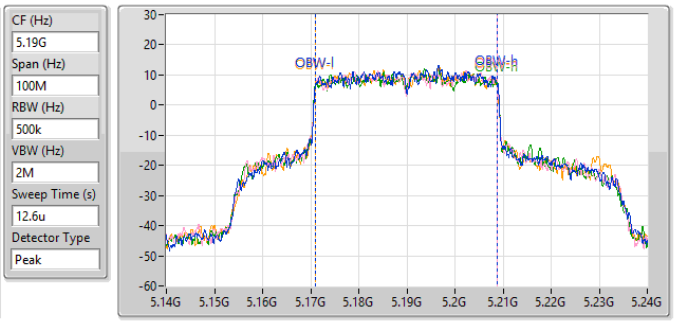
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
42.775M	5.8023G	5.845075G	Inf	1
33.575M	5.80565G	5.839225G	Inf	2
39.825M	5.80405G	5.843875G	Inf	3
39.4M	5.80265G	5.84205G	Inf	4

5.15-5.25GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

5190MHz

05/09/2023



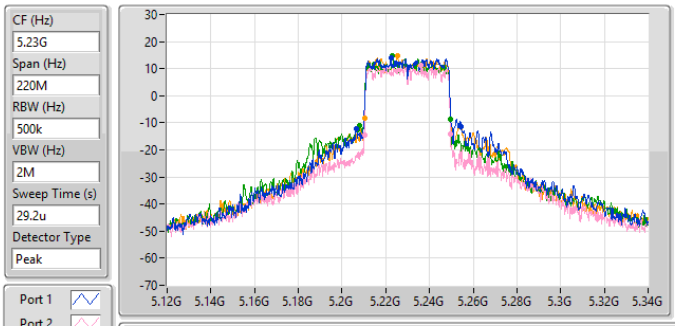


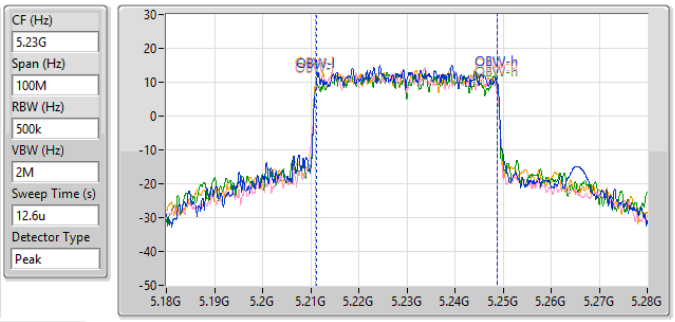
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
51.15M	5.16261G	5.21376G	37.829M	5.171052G	5.20888G	Inf	1
44.55M	5.16668G	5.21123G	37.826M	5.171025G	5.208851G	Inf	2
45.65M	5.16811G	5.21376G	37.91M	5.17095G	5.20886G	Inf	3
42.9M	5.16866G	5.21156G	37.757M	5.171041G	5.208798G	Inf	4

5.15-5.25GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

5230MHz

05/09/2023



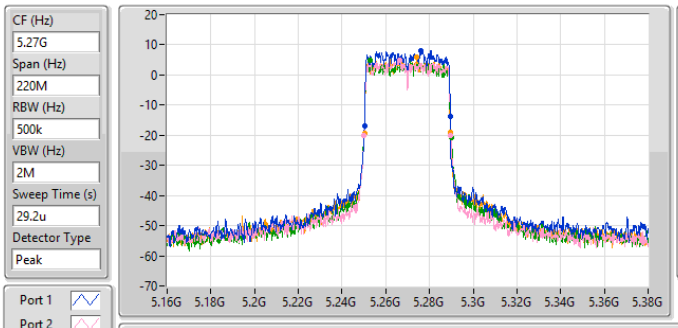


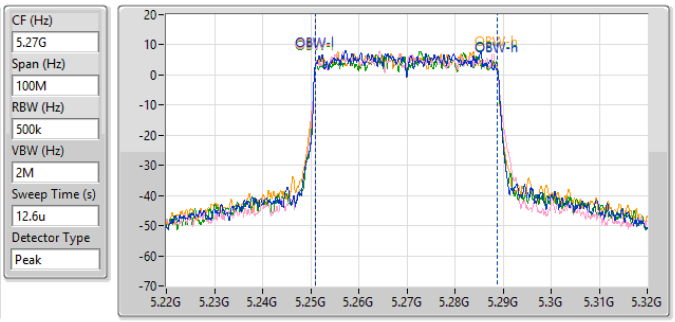
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
47.96M	5.20657G	5.25453G	37.729M	5.211131G	5.248859G	Inf	1
39.38M	5.2102G	5.24958G	37.647M	5.211079G	5.248726G	Inf	2
41.36M	5.20811G	5.24947G	37.701M	5.210992G	5.248694G	Inf	3
44.22M	5.21031G	5.25453G	37.857M	5.210963G	5.248821G	Inf	4

5.25-5.35GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

5270MHz

05/09/2023



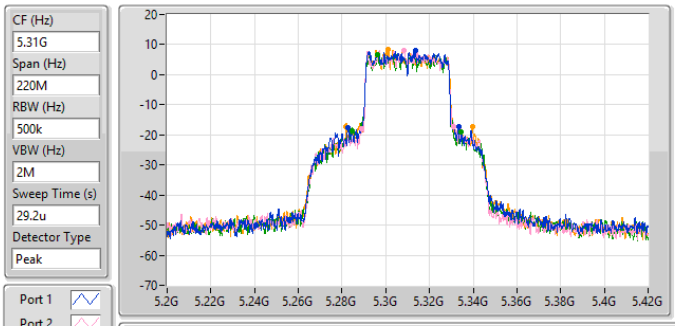


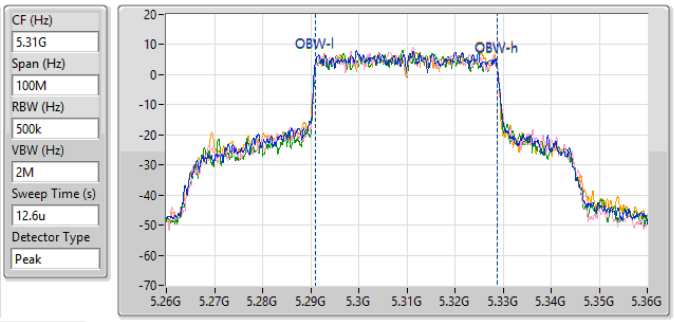
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.27M	5.2502G	5.28947G	37.715M	5.251032G	5.288747G	Inf	1
39.71M	5.25009G	5.2898G	37.692M	5.251023G	5.288715G	Inf	2
39.82M	5.25009G	5.28991G	37.758M	5.25102G	5.288778G	Inf	3
39.27M	5.2502G	5.28947G	37.715M	5.251046G	5.288761G	Inf	4

5.25-5.35GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

5310MHz

05/09/2023



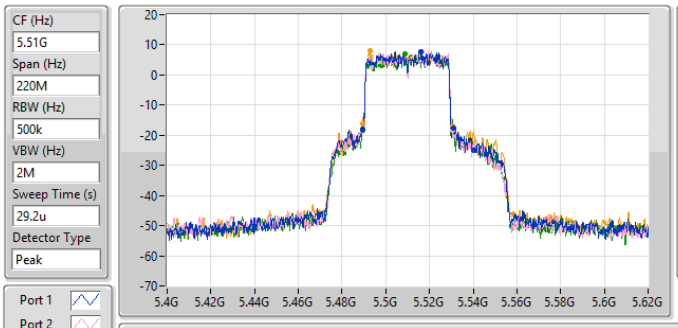


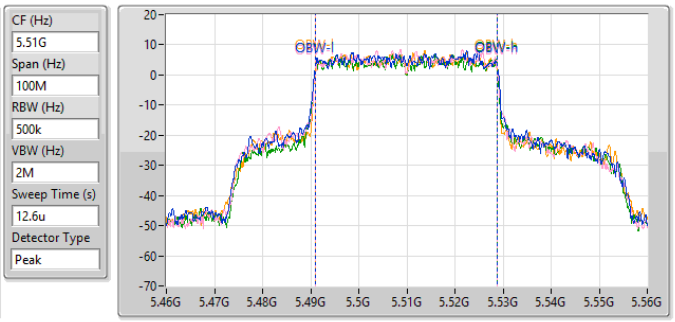
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
50.6M	5.28261G	5.33321G	37.877M	5.290889G	5.328765G	Inf	1
42.13M	5.2891G	5.33123G	37.95M	5.290947G	5.328896G	Inf	2
49.83M	5.28448G	5.33431G	37.775M	5.291048G	5.328823G	Inf	3
57.97M	5.28173G	5.3397G	37.85M	5.290894G	5.328744G	Inf	4

5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

5510MHz

05/09/2023



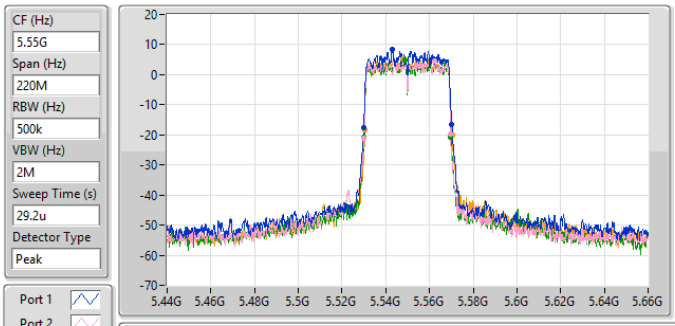


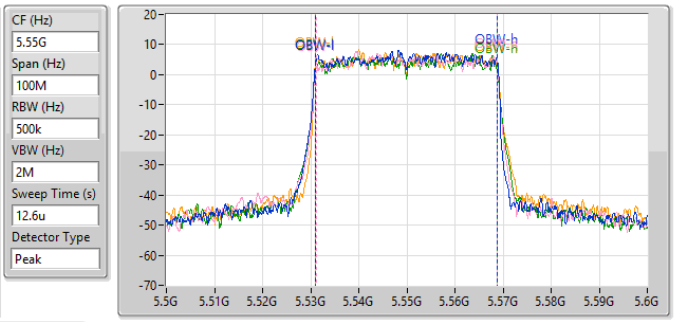
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.69M	5.48921G	5.5309G	37.935M	5.49095G	5.528886G	Inf	1
41.36M	5.48921G	5.53057G	37.725M	5.491043G	5.528768G	Inf	2
41.91M	5.48921G	5.53112G	37.828M	5.490968G	5.528795G	Inf	3
41.36M	5.48921G	5.53057G	37.809M	5.491006G	5.528815G	Inf	4

5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

5550MHz

05/09/2023



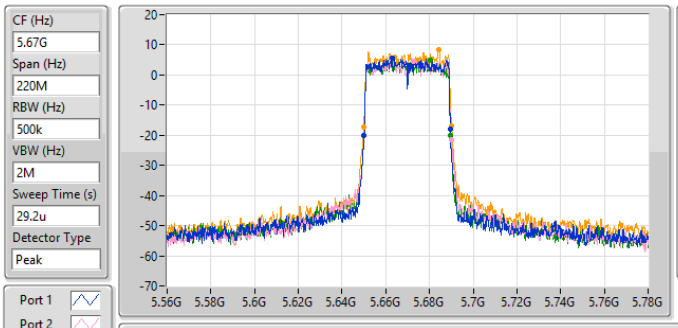


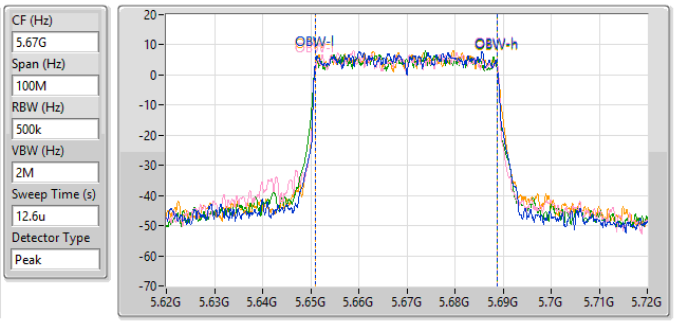
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.37M	5.52987G	5.57024G	37.803M	5.531056G	5.56886G	Inf	1
39.6M	5.52998G	5.56958G	37.664M	5.531162G	5.568826G	Inf	2
39.71M	5.53009G	5.5698G	37.801M	5.530985G	5.568786G	Inf	3
39.93M	5.53042G	5.57035G	37.794M	5.531031G	5.568825G	Inf	4

5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

5670MHz

05/09/2023



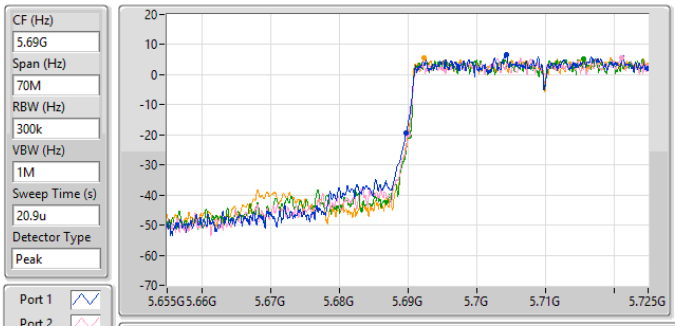


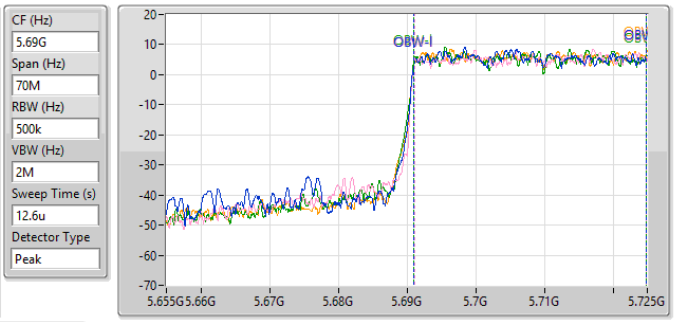
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.38M	5.65009G	5.68947G	37.688M	5.651018G	5.688706G	Inf	1
39.93M	5.65009G	5.69002G	37.738M	5.651099G	5.688836G	Inf	2
39.6M	5.65009G	5.68969G	37.86M	5.650936G	5.688796G	Inf	3
40.15M	5.64998G	5.69013G	37.785M	5.651011G	5.688796G	Inf	4

5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

5710MHz Straddle 5.47-5.725GHz

05/09/2023





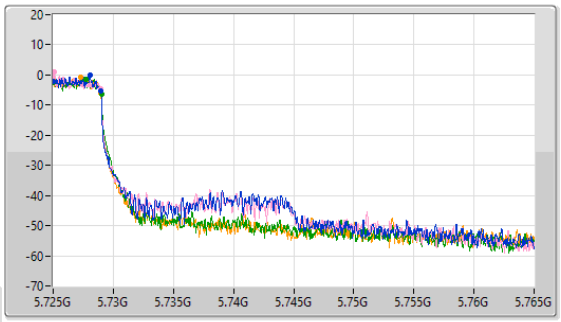
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.21M	5.68979G	5.725G	33.78M	5.691072G	5.724852G	Inf	1
34.86M	5.69014G	5.725G	33.752M	5.691079G	5.724832G	Inf	2
34.825M	5.690175G	5.725G	33.829M	5.691001G	5.724831G	Inf	3
34.965M	5.690035G	5.725G	33.833M	5.691057G	5.72489G	Inf	4

5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

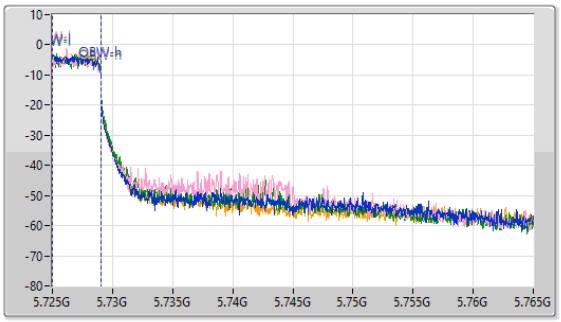
5710MHz Straddle 5.725-5.85GHz

05/09/2023

CF (Hz) 5.745G
Span (Hz) 40M
RBW (Hz) 100k
VBW (Hz) 300k
Sweep Time (s) 41.8u
Detector Type Peak



CF (Hz) 5.745G
Span (Hz) 40M
RBW (Hz) 50k
VBW (Hz) 200k
Sweep Time (s) 168u
Detector Type Peak



Port 1
Port 2
Port 3
Port 4

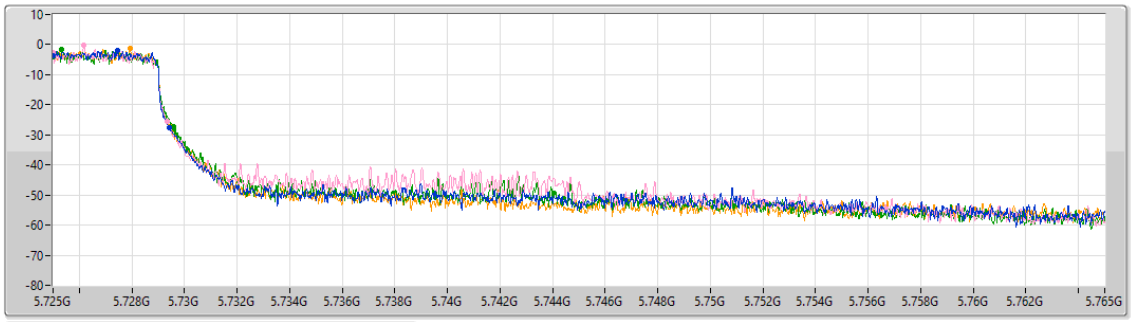
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.98M	5.725G	5.72898G	3.982M	5.72502G	5.729002G	500k	1
3.96M	5.725G	5.72896G	3.992M	5.725014G	5.729006G	500k	2
4.02M	5.725G	5.72902G	4.002M	5.72502G	5.729023G	500k	3
3.96M	5.725G	5.72896G	3.988M	5.725017G	5.729006G	500k	4

5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

5710MHz Straddle 5.725-5.85GHz

05/09/2023

CF (Hz) 5.745G
Span (Hz) 40M
RBW (Hz) 50k
VBW (Hz) 200k
Sweep Time (s) 168u
Detector Type Peak



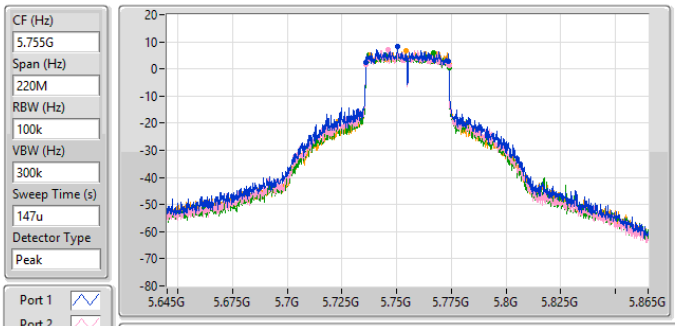
Port 1
Port 2
Port 3
Port 4

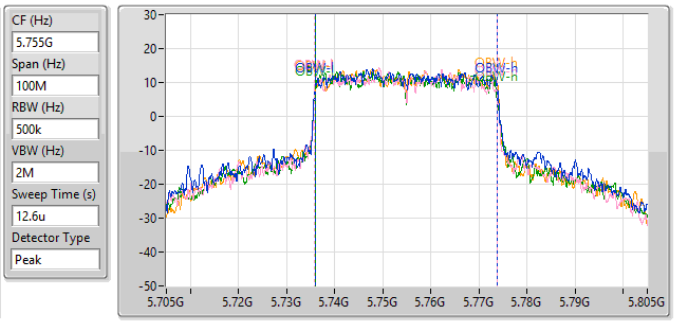
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
4.44M	5.725G	5.72944G	Inf	1
4.34M	5.725G	5.72934G	Inf	2
4.58M	5.725G	5.72958G	Inf	3
4.54M	5.725G	5.72954G	Inf	4

5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

5755MHz

05/09/2023



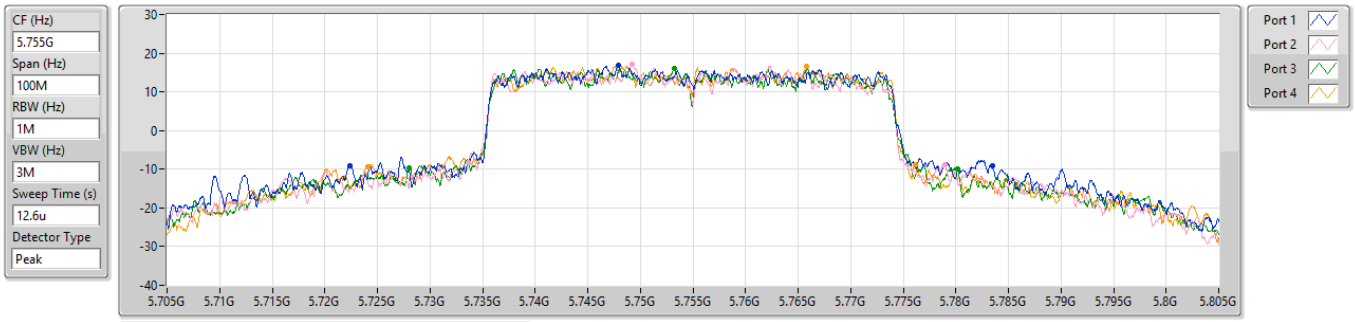


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.95M	5.73586G	5.77381G	38.002M	5.735886G	5.773888G	500k	1
37.95M	5.73597G	5.77392G	37.919M	5.735867G	5.773786G	500k	2
38.17M	5.73586G	5.77403G	37.747M	5.73594G	5.773687G	500k	3
38.17M	5.73586G	5.77403G	37.963M	5.735916G	5.77388G	500k	4

5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

5755MHz

05/09/2023

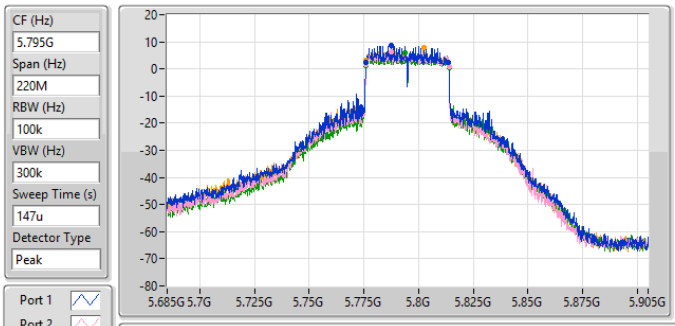


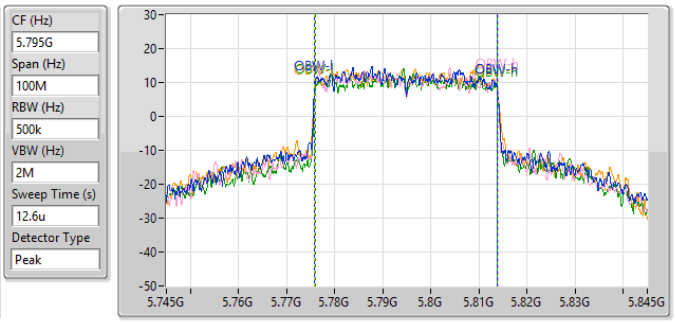
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
61.05M	5.7224G	5.78345G	Inf	1
45.35M	5.7336G	5.77895G	Inf	2
52.15M	5.728G	5.78015G	Inf	3
52.05M	5.7241G	5.77615G	Inf	4

5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

5795MHz

05/09/2023



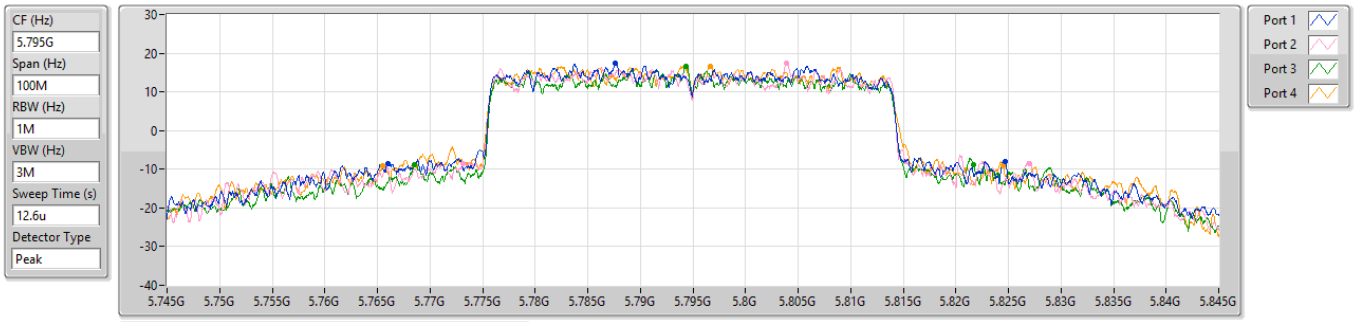


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.62M	5.77597G	5.81359G	37.96M	5.775874G	5.813834G	500k	1
38.17M	5.77586G	5.81403G	38.04M	5.77587G	5.81391G	500k	2
38.06M	5.77586G	5.81392G	37.907M	5.77594G	5.813847G	500k	3
37.84M	5.77597G	5.81381G	38.023M	5.77586G	5.813883G	500k	4

5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **EBW**

5795MHz

05/09/2023

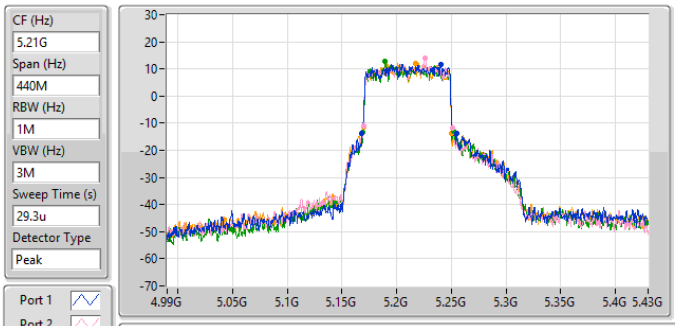


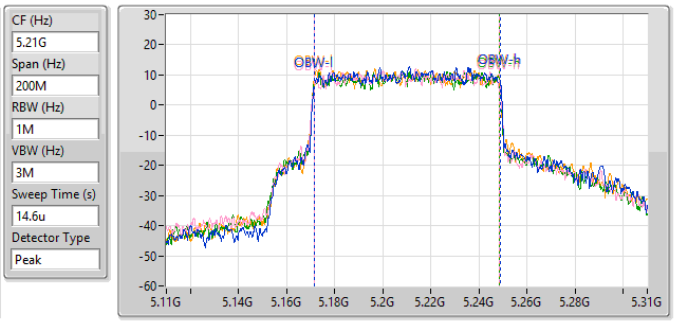
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
58.7M	5.766G	5.8247G	Inf	1
53.9M	5.77315G	5.82705G	Inf	2
53.2M	5.7685G	5.8217G	Inf	3
58.95M	5.7655G	5.82445G	Inf	4

5.15-5.25GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX **EBW**

5210MHz

05/09/2023



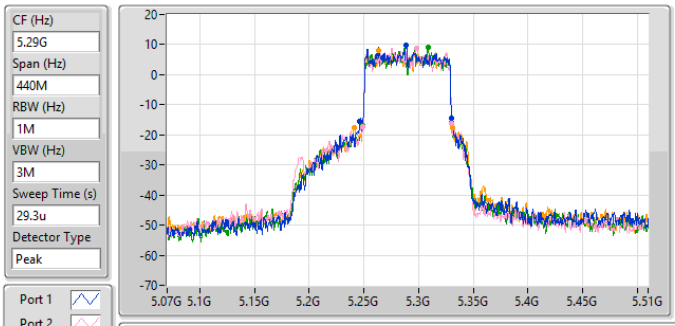


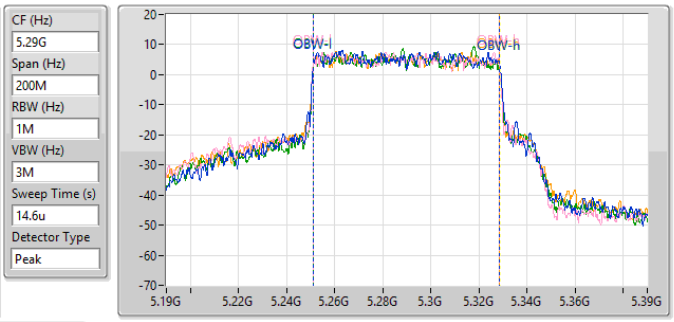
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
86.68M	5.1682G	5.25488G	77.164M	5.171698G	5.248862G	Inf	1
81.4M	5.16952G	5.25092G	77.121M	5.17147G	5.248591G	Inf	2
83.16M	5.16908G	5.25224G	77.167M	5.171387G	5.248553G	Inf	3
80.74M	5.16952G	5.25026G	77.225M	5.171358G	5.248583G	Inf	4

5.25-5.35GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX **EBW**

5290MHz

05/09/2023



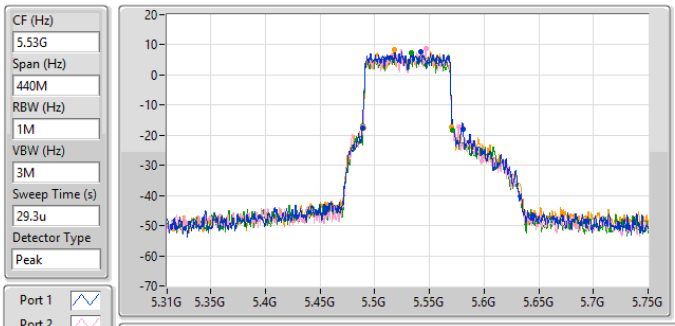


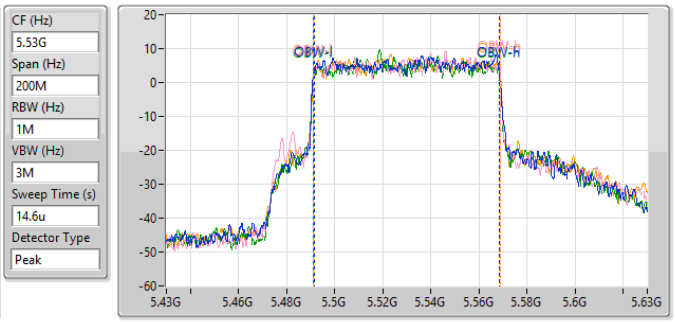
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.6M	5.24644G	5.33004G	77.425M	5.25125G	5.328675G	Inf	1
80.96M	5.2493G	5.33026G	77.352M	5.251075G	5.328428G	Inf	2
81.4M	5.24908G	5.33048G	77.374M	5.251164G	5.328538G	Inf	3
90.42M	5.24094G	5.33136G	77.388M	5.251076G	5.328464G	Inf	4

5.47-5.725GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX **EBW**

5530MHz

05/09/2023



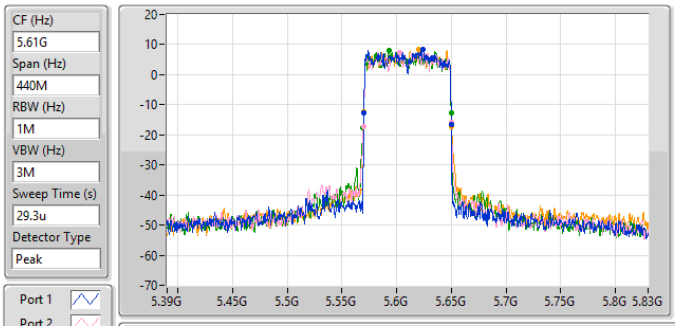


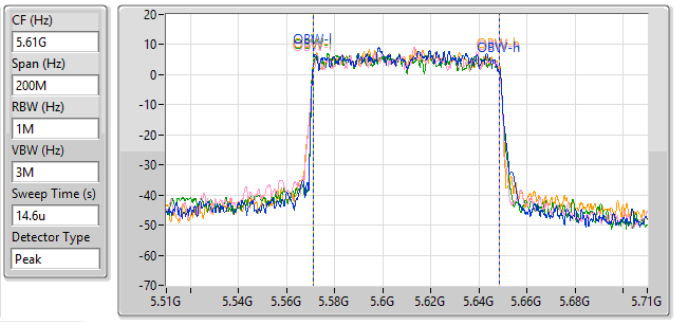
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
92.4M	5.48842G	5.58082G	77.028M	5.491363G	5.56839G	Inf	1
87.56M	5.48886G	5.57642G	77.481M	5.49123G	5.568711G	Inf	2
82.28M	5.4893G	5.57158G	77.158M	5.491315G	5.568473G	Inf	3
80.74M	5.48952G	5.57026G	77.17M	5.491592G	5.568762G	Inf	4

5.47-5.725GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX **EBW**

5610MHz

05/09/2023



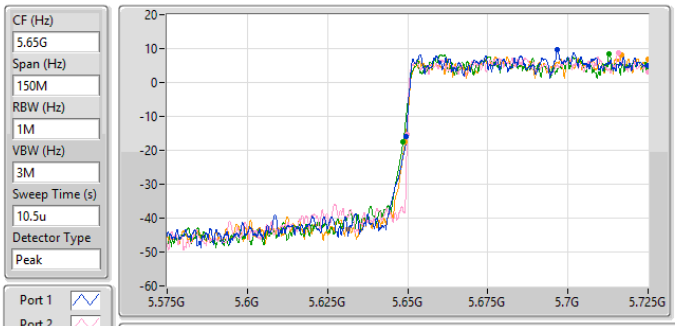


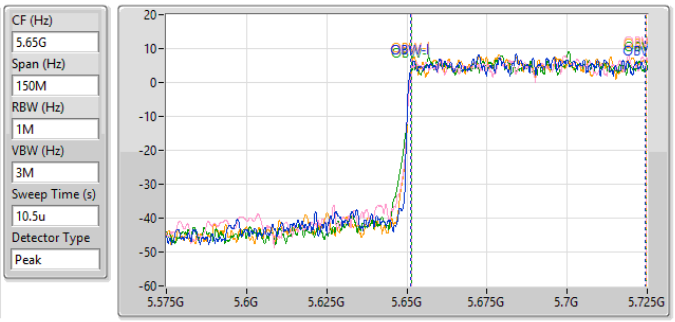
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.08M	5.56996G	5.65004G	77.058M	5.571263G	5.648321G	Inf	1
80.52M	5.56952G	5.65004G	77.07M	5.571244G	5.648315G	Inf	2
80.52M	5.5693G	5.64982G	77.284M	5.571158G	5.648442G	Inf	3
80.3M	5.56996G	5.65026G	77.308M	5.571144G	5.648452G	Inf	4

5.47-5.725GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX **EBW**

5690MHz Straddle 5.47-5.725GHz

05/09/2023



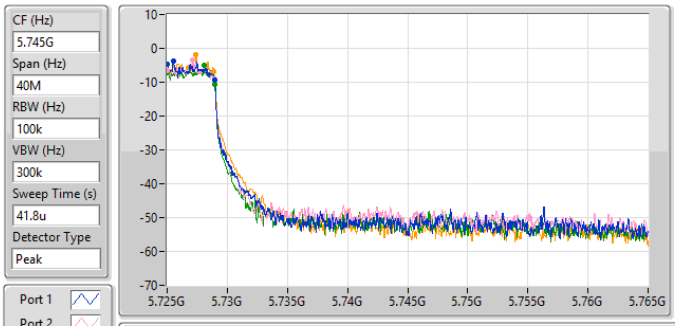


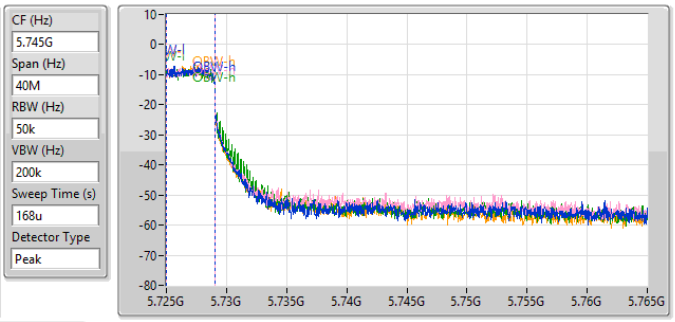
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.375M	5.649625G	5.725G	73.302M	5.651146G	5.724448G	Inf	1
75.15M	5.64985G	5.725G	73.285M	5.651474G	5.724759G	Inf	2
76.35M	5.64865G	5.725G	73.256M	5.651332G	5.724588G	Inf	3
75.825M	5.649175G	5.725G	73.337M	5.651365G	5.724702G	Inf	4

5.725-5.85GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX **EBW**

5690MHz Straddle 5.725-5.85GHz

05/09/2023



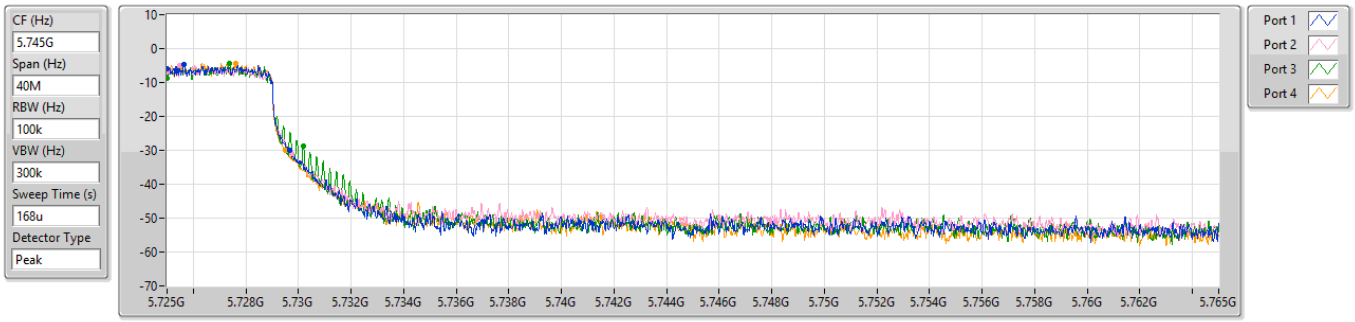


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.94M	5.725G	5.72894G	4.007M	5.725017G	5.729024G	500k	1
3.92M	5.725G	5.72892G	4.007M	5.725019G	5.729026G	500k	2
3.96M	5.725G	5.72896G	4.018M	5.725028G	5.729046G	500k	3
3.86M	5.725G	5.72886G	3.99M	5.72502G	5.72901G	500k	4

5.725-5.85GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX **EBW**

5690MHz Straddle 5.725-5.85GHz

05/09/2023

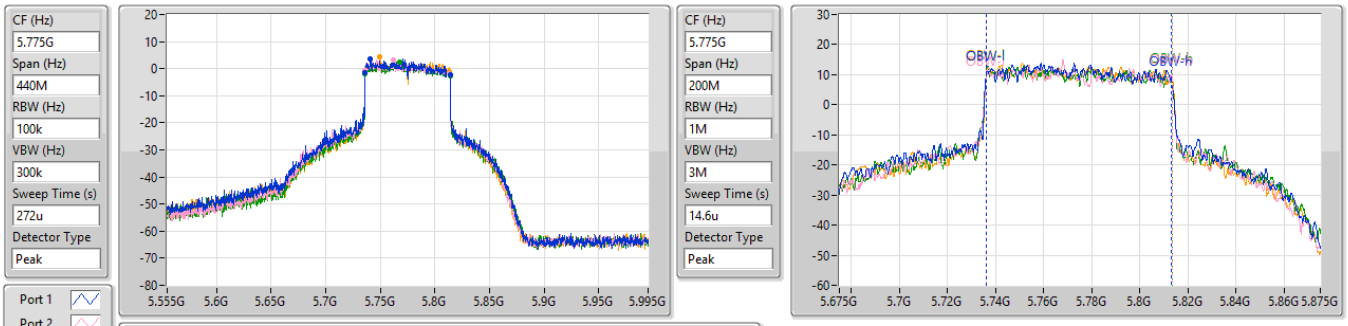


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
4.66M	5.725G	5.72966G	Inf	1
4.76M	5.725G	5.72976G	Inf	2
5.2M	5.725G	5.7302G	Inf	3
4.52M	5.725G	5.72952G	Inf	4

5.725-5.85GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX **EBW**

5775MHz

05/09/2023

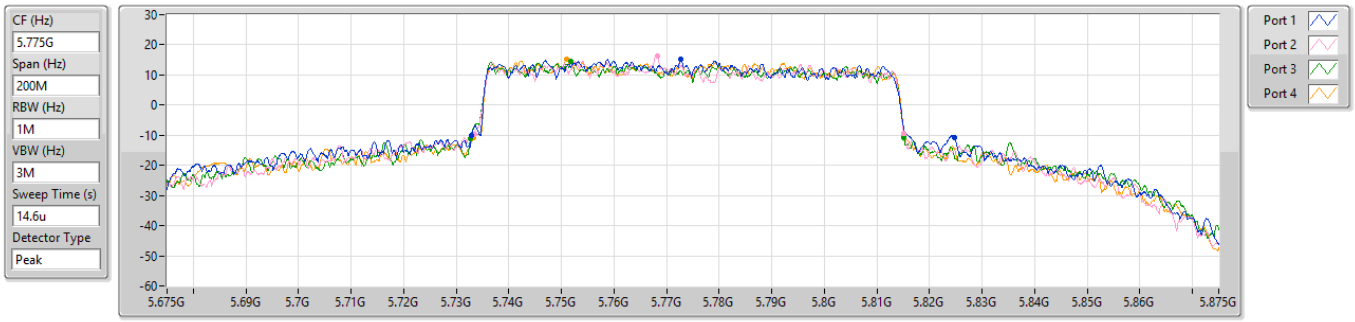


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
77.88M	5.73584G	5.81372G	77.189M	5.735953G	5.813141G	500k	1
77.44M	5.73584G	5.81328G	77.399M	5.735969G	5.813368G	500k	2
77.88M	5.73584G	5.81372G	77.53M	5.735891G	5.813421G	500k	3
77.44M	5.73606G	5.8135G	77.334M	5.736116G	5.81345G	500k	4

5.725-5.85GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX **EBW**

5775MHz

05/09/2023

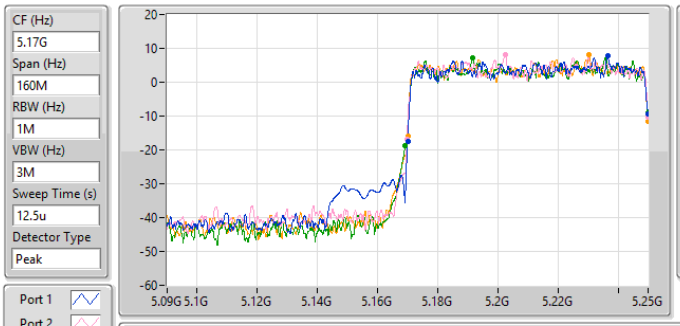


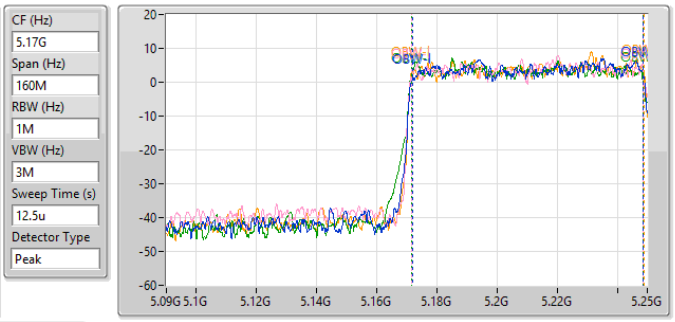
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
91.8M	5.7329G	5.8247G	Inf	1
81.7M	5.7334G	5.8151G	Inf	2
82.5M	5.7327G	5.8152G	Inf	3
81.8M	5.7333G	5.8151G	Inf	4

5.15-5.25GHz_802.11be EHT160-BF_Nss2,(MCS0)_4TX **EBW**

5250MHz Straddle 5.15-5.25GHz

05/09/2023



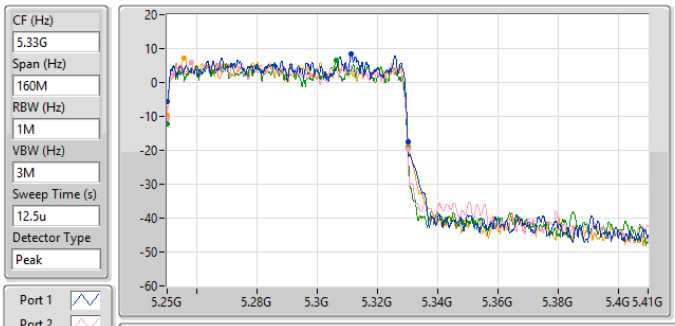


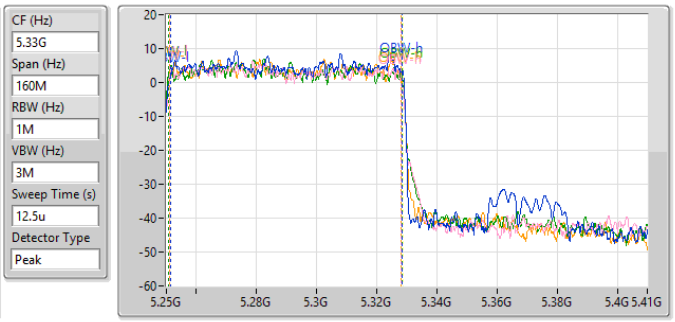
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80M	5.17G	5.25G	76.923M	5.171765G	5.248688G	Inf	1
80.24M	5.16976G	5.25G	77.212M	5.171501G	5.248713G	Inf	2
80.72M	5.16928G	5.25G	77.122M	5.171418G	5.24854G	Inf	3
80M	5.17G	5.25G	77.382M	5.171475G	5.248857G	Inf	4

5.25-5.35GHz_802.11be EHT160-BF_Nss2,(MCS0)_4TX **EBW**

5250MHz Straddle 5.25-5.35GHz

05/09/2023



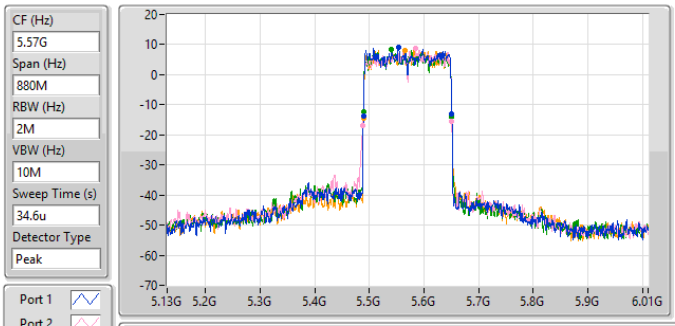


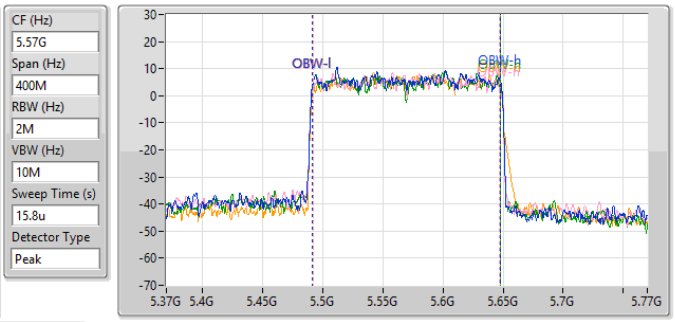
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80M	5.25G	5.33G	77.19M	5.25136G	5.32855G	Inf	1
80.08M	5.25G	5.33008G	77.033M	5.251054G	5.328087G	Inf	2
80.08M	5.25G	5.33008G	77.578M	5.25079G	5.328368G	Inf	3
80M	5.25G	5.33G	76.975M	5.251229G	5.328204G	Inf	4

5.47-5.725GHz_802.11be EHT160-BF_Nss2,(MCS0)_4TX **EBW**

5570MHz

05/09/2023





26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
161.92M	5.48904G	5.65096G	156.461M	5.491744G	5.648205G	Inf	1
163.24M	5.48772G	5.65096G	155.307M	5.491989G	5.647296G	Inf	2
161.92M	5.48904G	5.65096G	156.451M	5.491619G	5.64807G	Inf	3
161.92M	5.48904G	5.65096G	155.599M	5.492154G	5.647753G	Inf	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.95	0.98855
802.11be EHT20-BF_Nss1,(MCS0)_4TX	29.84	0.96383
802.11be EHT20-BF_Nss2,(MCS0)_4TX	29.94	0.98628
802.11be EHT40-BF_Nss1,(MCS0)_4TX	29.24	0.83946
802.11be EHT40-BF_Nss2,(MCS0)_4TX	29.98	0.99541
802.11be EHT80-BF_Nss1,(MCS0)_4TX	26.51	0.44771
802.11be EHT80-BF_Nss2,(MCS0)_4TX	27.09	0.51168
802.11be EHT160-BF_Nss1,(MCS0)_4TX	22.39	0.17338
802.11be EHT160-BF_Nss2,(MCS0)_4TX	21.97	0.15740
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.93	0.24717
802.11be EHT20-BF_Nss1,(MCS0)_4TX	23.92	0.24660
802.11be EHT20-BF_Nss2,(MCS0)_4TX	23.94	0.24774
802.11be EHT40-BF_Nss1,(MCS0)_4TX	23.89	0.24491
802.11be EHT40-BF_Nss2,(MCS0)_4TX	23.89	0.24491
802.11be EHT80-BF_Nss1,(MCS0)_4TX	23.77	0.23823
802.11be EHT80-BF_Nss2,(MCS0)_4TX	23.87	0.24378
802.11be EHT160-BF_Nss1,(MCS0)_4TX	22.16	0.16444
802.11be EHT160-BF_Nss2,(MCS0)_4TX	21.92	0.15560
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.96	0.24889
802.11be EHT20-BF_Nss1,(MCS0)_4TX	23.96	0.24889
802.11be EHT20-BF_Nss2,(MCS0)_4TX	23.92	0.24660
802.11be EHT40-BF_Nss1,(MCS0)_4TX	23.96	0.24889
802.11be EHT40-BF_Nss2,(MCS0)_4TX	23.95	0.24831
802.11be EHT80-BF_Nss1,(MCS0)_4TX	23.85	0.24266
802.11be EHT80-BF_Nss2,(MCS0)_4TX	23.94	0.24774
802.11be EHT160-BF_Nss1,(MCS0)_4TX	23.91	0.24604
802.11be EHT160-BF_Nss2,(MCS0)_4TX	23.93	0.24717
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.91	0.97949
802.11be EHT20-BF_Nss1,(MCS0)_4TX	29.89	0.97499
802.11be EHT20-BF_Nss2,(MCS0)_4TX	29.89	0.97499
802.11be EHT40-BF_Nss1,(MCS0)_4TX	29.97	0.99312
802.11be EHT40-BF_Nss2,(MCS0)_4TX	29.92	0.98175
802.11be EHT80-BF_Nss1,(MCS0)_4TX	27.79	0.60117
802.11be EHT80-BF_Nss2,(MCS0)_4TX	28.19	0.65917

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.09	22.02	22.15	21.95	22.01	28.05	30.00
5200MHz	Pass	3.09	23.98	23.84	23.72	23.85	29.87	30.00
5240MHz	Pass	3.09	24.38	23.77	23.57	23.96	29.95	30.00
5260MHz	Pass	3.47	18.19	17.76	17.74	17.89	23.92	23.98
5300MHz	Pass	3.47	18.36	17.56	17.67	18.00	23.93	23.98
5320MHz	Pass	3.47	17.12	16.84	16.89	16.45	22.85	23.98
5500MHz	Pass	2.84	18.25	17.99	17.47	18.03	23.96	23.98
5580MHz	Pass	2.84	18.03	17.43	17.71	17.98	23.81	23.98
5700MHz	Pass	2.84	18.03	17.60	17.88	17.97	23.89	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.84	16.78	16.38	16.38	16.65	22.57	22.79
5720MHz Straddle 5.725-5.85GHz	Pass	3.65	10.70	10.36	10.37	10.68	16.55	30.00
5745MHz	Pass	3.65	23.96	23.56	24.00	24.02	29.91	30.00
5785MHz	Pass	3.65	24.23	23.63	23.71	23.90	29.89	30.00
5825MHz	Pass	3.65	23.26	23.13	23.14	23.61	29.31	30.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.94	19.65	19.57	19.65	19.59	25.64	30.00
5200MHz	Pass	4.94	22.06	22.23	22.11	22.09	28.14	30.00
5240MHz	Pass	4.94	24.25	23.64	23.40	23.93	29.84	30.00
5260MHz	Pass	4.51	18.06	17.78	17.45	17.88	23.82	23.98
5300MHz	Pass	4.51	18.30	17.77	17.61	17.87	23.92	23.98
5320MHz	Pass	4.51	18.02	17.65	17.54	17.72	23.76	23.98
5500MHz	Pass	4.43	18.16	17.74	17.39	18.01	23.86	23.98
5580MHz	Pass	4.43	18.14	17.47	17.56	17.88	23.79	23.98
5700MHz	Pass	4.43	18.21	17.84	17.75	17.96	23.96	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.43	16.82	16.53	16.50	16.79	22.68	22.87
5720MHz Straddle 5.725-5.85GHz	Pass	4.70	11.68	11.40	11.40	11.79	17.59	30.00
5745MHz	Pass	4.70	24.07	23.57	23.80	24.02	29.89	30.00
5785MHz	Pass	4.70	24.12	23.81	23.56	23.85	29.86	30.00
5825MHz	Pass	4.70	22.32	22.43	22.14	22.06	28.26	30.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.94	20.22	20.42	20.32	20.30	26.34	30.00
5230MHz	Pass	4.94	23.05	23.24	23.35	23.24	29.24	30.00
5270MHz	Pass	4.51	18.12	17.70	17.44	17.85	23.81	23.98
5310MHz	Pass	4.51	18.21	17.90	17.48	17.87	23.89	23.98
5510MHz	Pass	4.43	18.26	17.83	17.50	18.12	23.96	23.98
5550MHz	Pass	4.43	18.04	17.60	17.43	17.86	23.76	23.98
5670MHz	Pass	4.43	18.14	17.82	17.70	17.94	23.92	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.43	18.05	17.60	17.56	17.67	23.75	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.70	8.26	8.06	8.04	8.31	14.19	30.00
5755MHz	Pass	4.70	24.32	23.68	23.69	24.09	29.97	30.00
5795MHz	Pass	4.70	24.46	23.15	22.91	24.37	29.80	30.00
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.94	20.35	20.48	20.56	20.55	26.51	30.00
5290MHz	Pass	4.51	18.07	17.54	17.41	17.96	23.77	23.98
5530MHz	Pass	4.43	18.09	17.63	17.47	17.87	23.79	23.98
5610MHz	Pass	4.43	18.14	17.31	17.54	17.89	23.75	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.43	18.16	17.52	17.54	18.06	23.85	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.70	4.54	4.37	4.11	5.07	10.56	30.00
5775MHz	Pass	4.70	21.81	21.84	21.70	21.73	27.79	30.00
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	4.94	16.48	16.29	16.52	16.17	22.39	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.51	16.24	16.06	15.94	16.29	22.16	23.98
5570MHz	Pass	4.43	18.20	17.81	17.64	17.89	23.91	23.98
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-

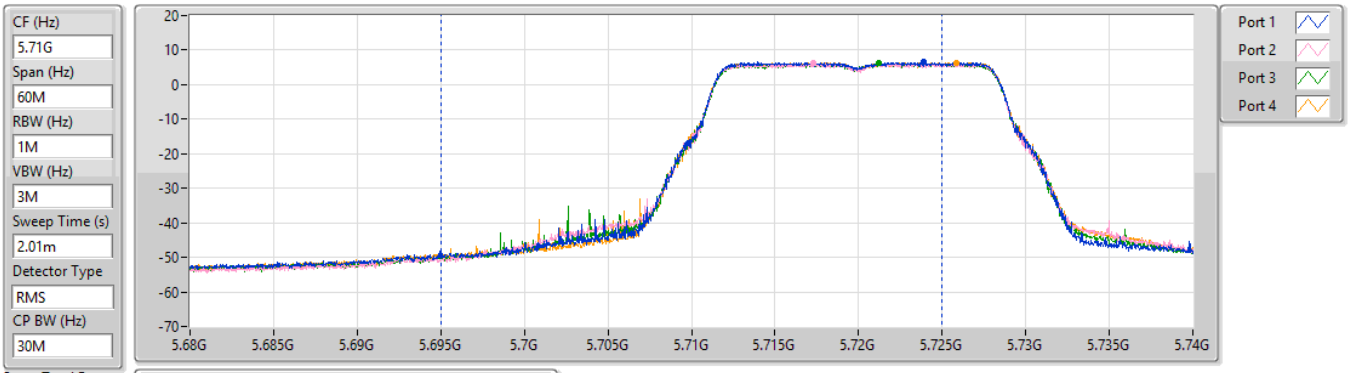
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
5180MHz	Pass	3.09	19.95	20.27	20.11	19.87	26.07	30.00
5200MHz	Pass	3.09	24.09	23.96	23.58	23.86	29.90	30.00
5240MHz	Pass	3.09	24.36	23.91	23.37	23.99	29.94	30.00
5260MHz	Pass	3.47	18.34	17.85	17.50	17.96	23.94	23.98
5300MHz	Pass	3.47	18.05	17.66	17.39	17.81	23.75	23.98
5320MHz	Pass	3.47	18.21	17.83	17.25	17.91	23.83	23.98
5500MHz	Pass	2.84	18.18	17.96	17.12	17.75	23.79	23.98
5580MHz	Pass	2.84	18.27	17.68	17.65	17.97	23.92	23.98
5700MHz	Pass	2.84	18.24	17.65	17.49	17.98	23.87	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.84	17.06	16.44	16.50	16.86	22.74	22.88
5720MHz Straddle 5.725-5.85GHz	Pass	3.65	11.87	11.30	11.33	11.91	17.63	30.00
5745MHz	Pass	3.65	24.17	23.68	23.56	24.05	29.89	30.00
5785MHz	Pass	3.65	24.35	23.49	23.28	24.24	29.89	30.00
5825MHz	Pass	3.65	23.69	23.51	23.27	23.66	29.56	30.00
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.09	20.68	20.90	20.63	20.79	26.77	30.00
5230MHz	Pass	3.09	24.46	23.77	23.38	24.16	29.98	30.00
5270MHz	Pass	3.47	18.16	17.69	17.21	17.84	23.76	23.98
5310MHz	Pass	3.47	18.28	17.91	17.28	17.95	23.89	23.98
5510MHz	Pass	2.84	18.18	17.77	17.61	17.92	23.90	23.98
5550MHz	Pass	2.84	18.17	17.57	17.30	17.89	23.77	23.98
5670MHz	Pass	2.84	18.43	17.59	17.57	18.07	23.95	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	2.84	18.20	17.69	17.71	18.10	23.95	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.65	8.57	8.20	8.00	8.76	14.41	30.00
5755MHz	Pass	3.65	24.35	23.57	23.65	24.00	29.92	30.00
5795MHz	Pass	3.65	24.10	23.44	23.13	24.07	29.73	30.00
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.09	21.02	21.18	21.01	21.06	27.09	30.00
5290MHz	Pass	3.47	18.20	17.82	17.51	17.83	23.87	23.98
5530MHz	Pass	2.84	18.32	17.48	17.45	17.70	23.77	23.98
5610MHz	Pass	2.84	18.16	17.74	17.37	17.88	23.82	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	2.84	18.33	17.83	17.46	18.00	23.94	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.65	4.83	4.52	4.22	4.92	10.65	30.00
5775MHz	Pass	3.65	22.26	22.27	22.03	22.11	28.19	30.00
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.09	15.87	16.02	16.18	15.72	21.97	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.47	15.73	15.90	15.89	16.09	21.92	23.98
5570MHz	Pass	2.84	18.32	17.92	17.44	17.91	23.93	23.98

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

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz_TX

04/09/2023

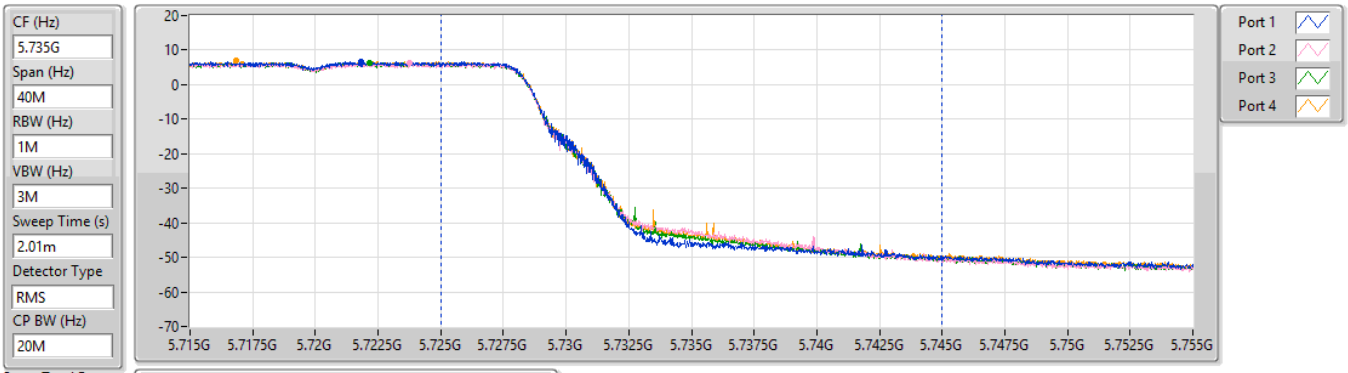


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.57	16.78	16.38	16.38	16.65

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz_TX

04/09/2023

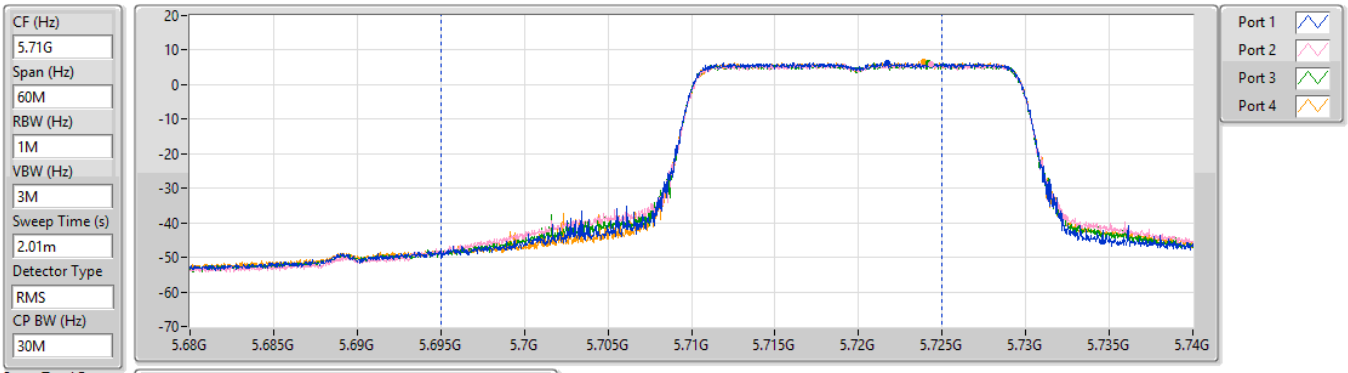


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.55	10.70	10.36	10.37	10.68

5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz_TX

05/09/2023



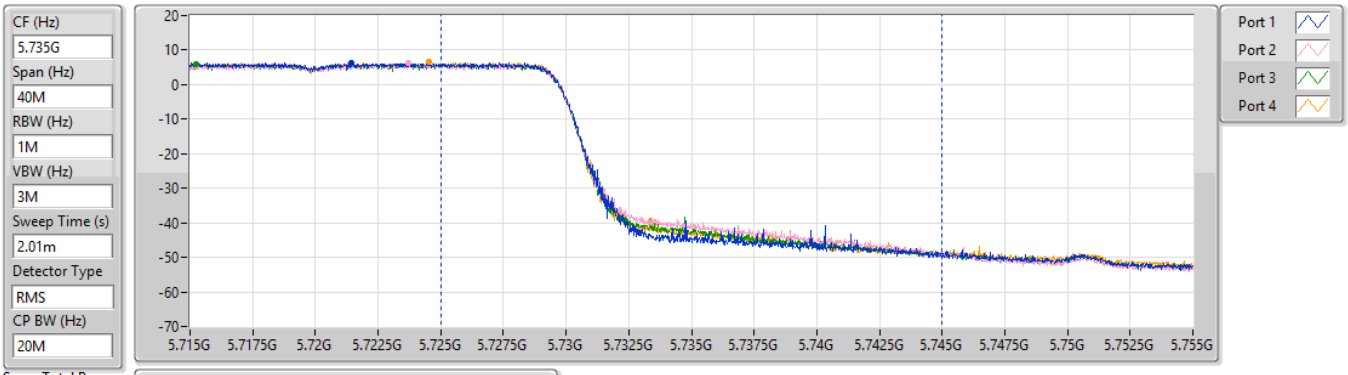
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.68	16.82	16.53	16.50	16.79

5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz_TX

05/09/2023



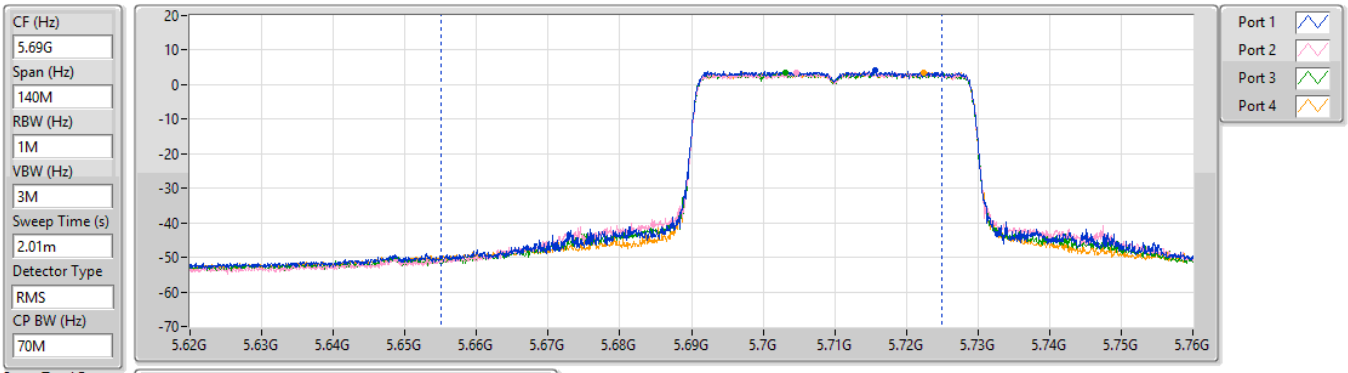
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.59	11.68	11.40	11.40	11.79

5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.47-5.725GHz_TX

05/09/2023



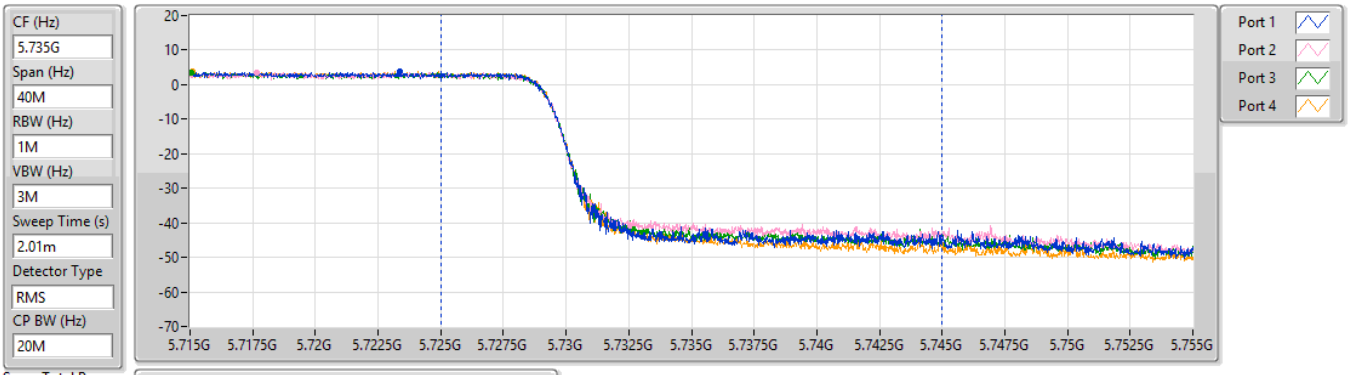
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.75	18.05	17.60	17.56	17.67

5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.725-5.85GHz_TX

05/09/2023



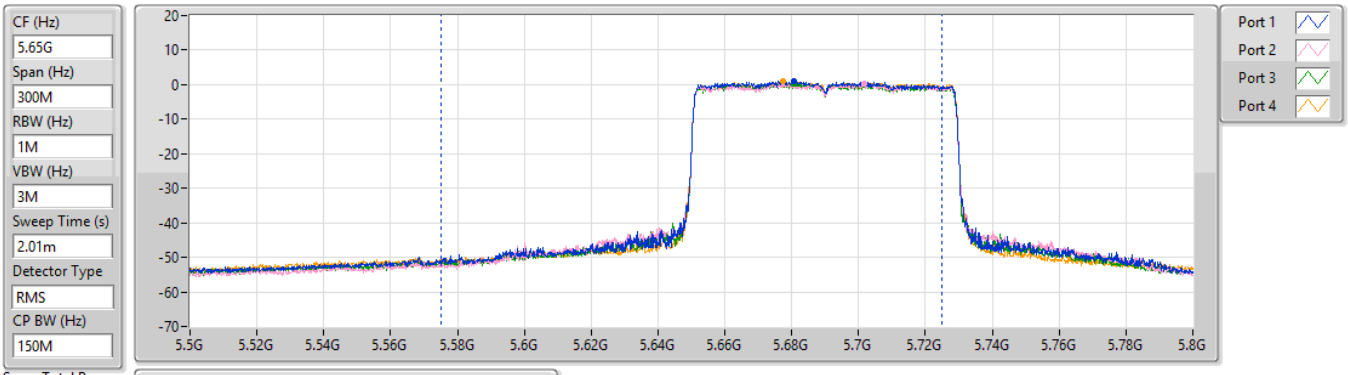
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.19	8.26	8.06	8.04	8.31

5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.47-5.725GHz_TX

05/09/2023



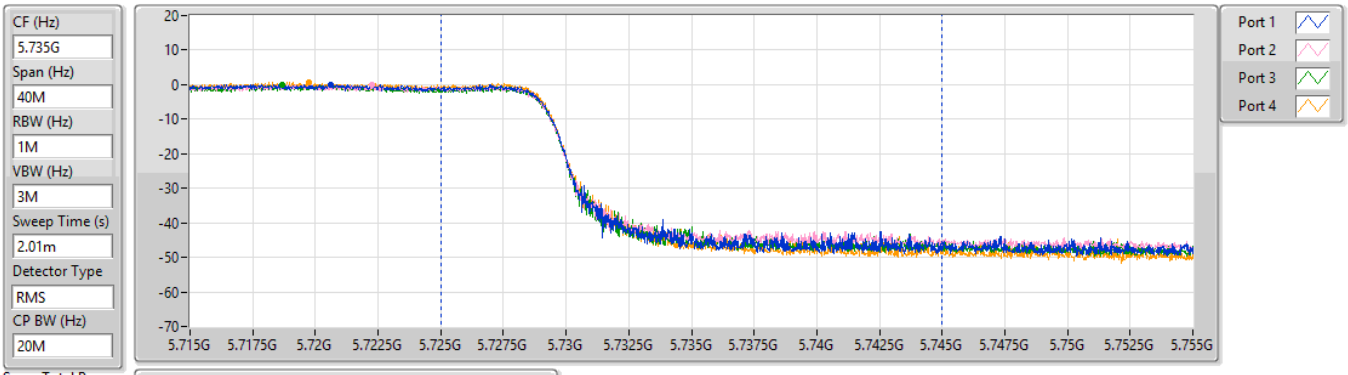
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.85	18.16	17.52	17.54	18.06

5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.725-5.85GHz_TX

05/09/2023



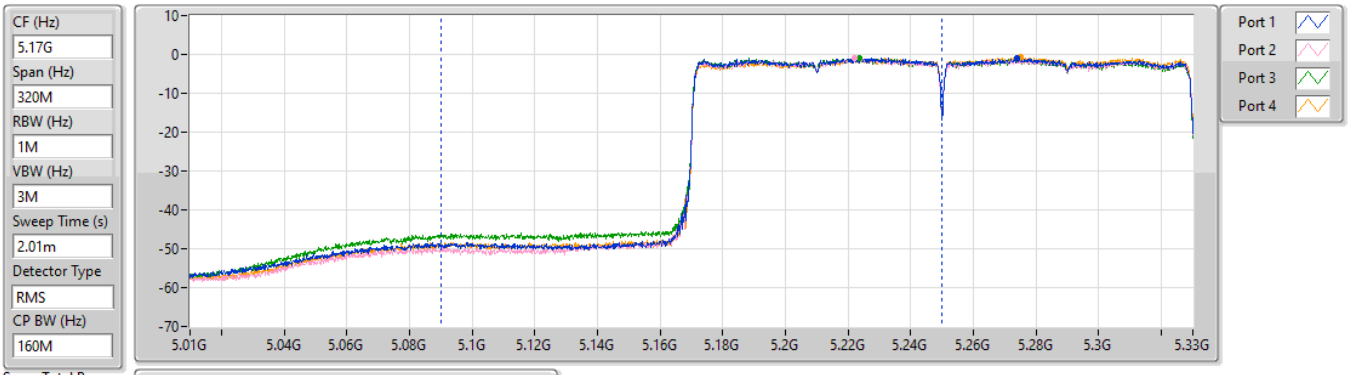
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.56	4.54	4.37	4.11	5.07

5.15-5.25GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX **AV Power**

5250MHz Straddle 5.15-5.25GHz_TX

02/10/2023



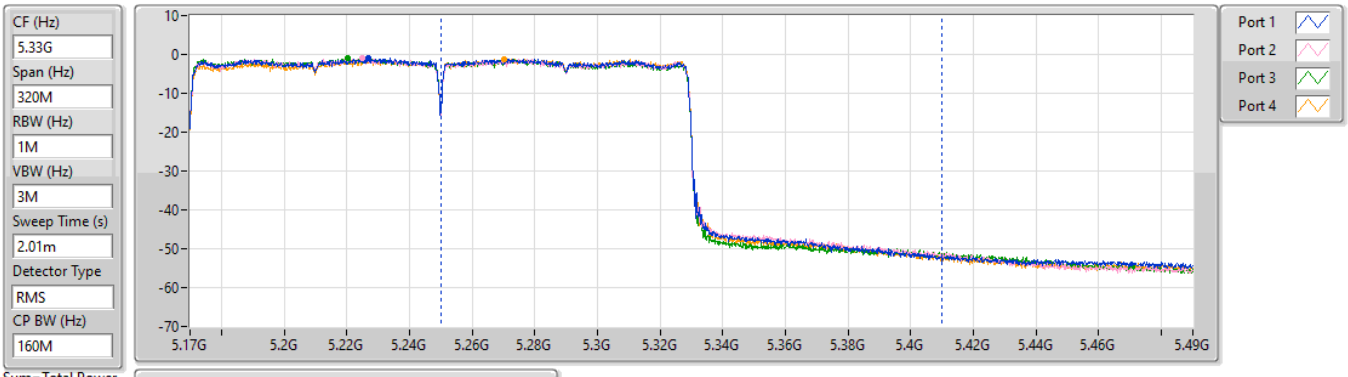
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.39	16.48	16.29	16.52	16.17

5.25-5.35GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX **AV Power**

5250MHz Straddle 5.25-5.35GHz_TX

02/10/2023



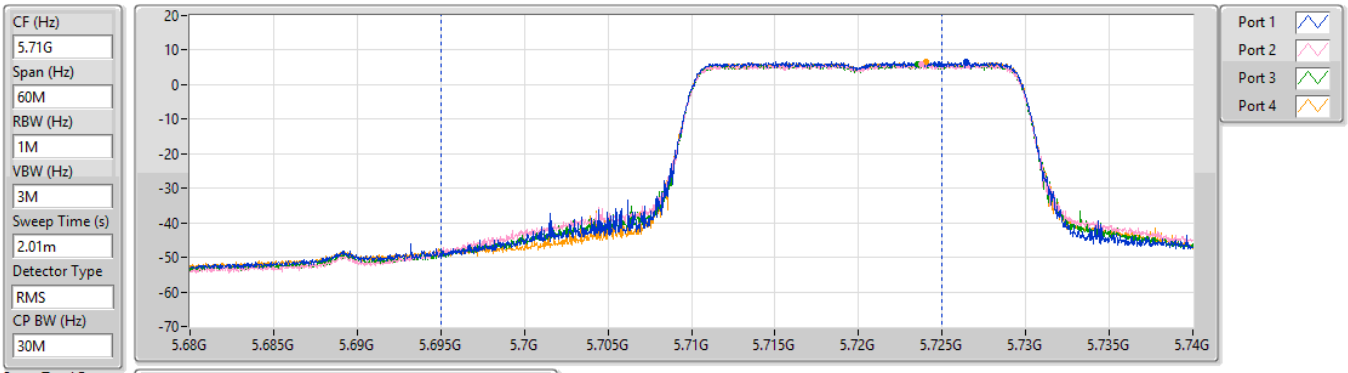
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.16	16.24	16.06	15.94	16.29

5.47-5.725GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz_TX

05/09/2023



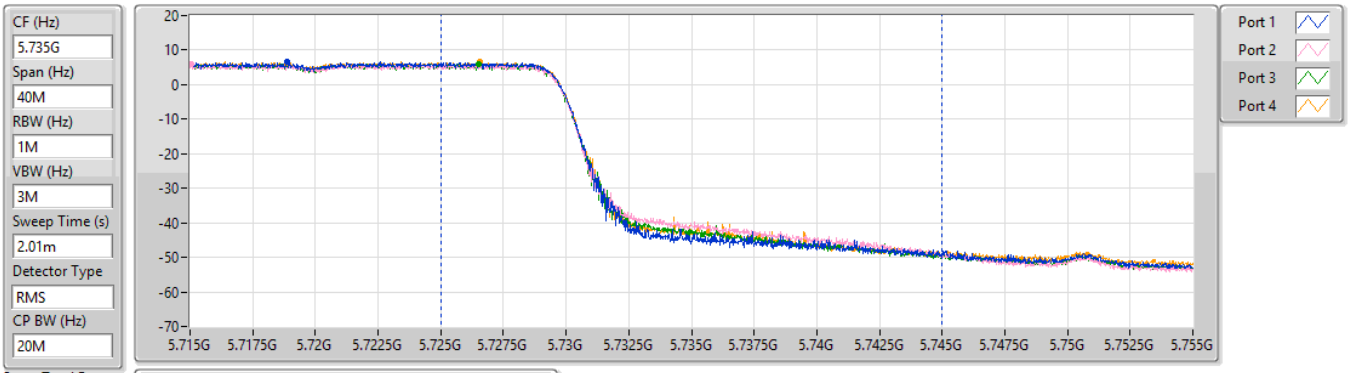
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.74	17.06	16.44	16.50	16.86

5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz_TX

05/09/2023



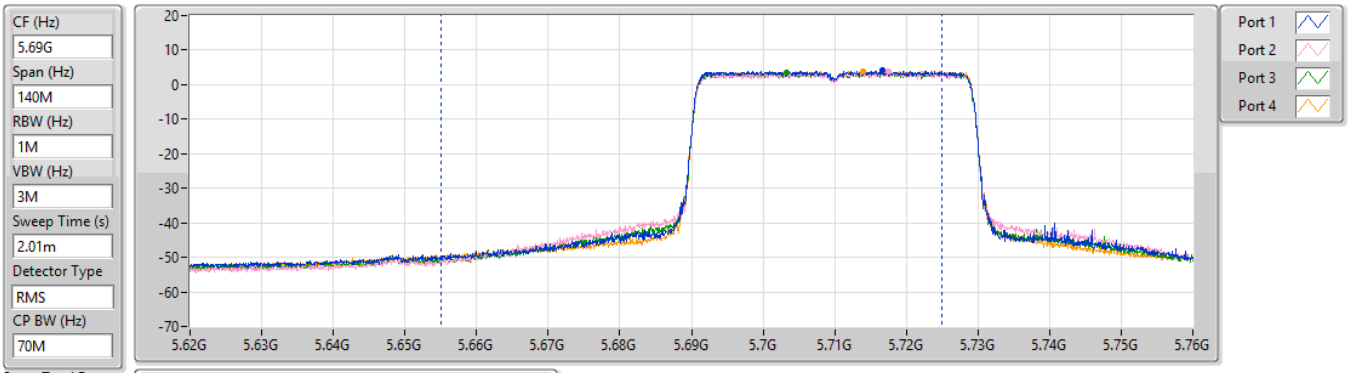
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.63	11.87	11.30	11.33	11.91

5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.47-5.725GHz_TX

05/09/2023



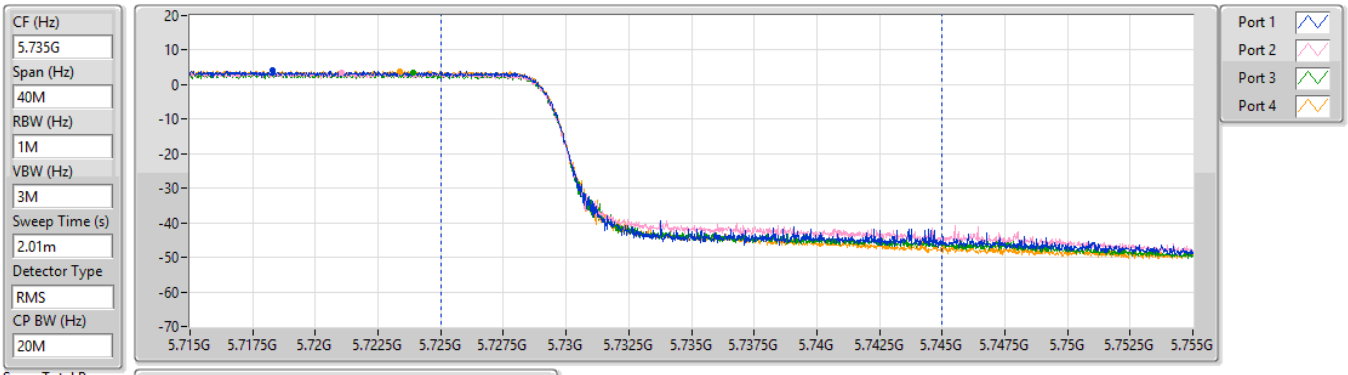
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.95	18.20	17.69	17.71	18.10

5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.725-5.85GHz_TX

05/09/2023



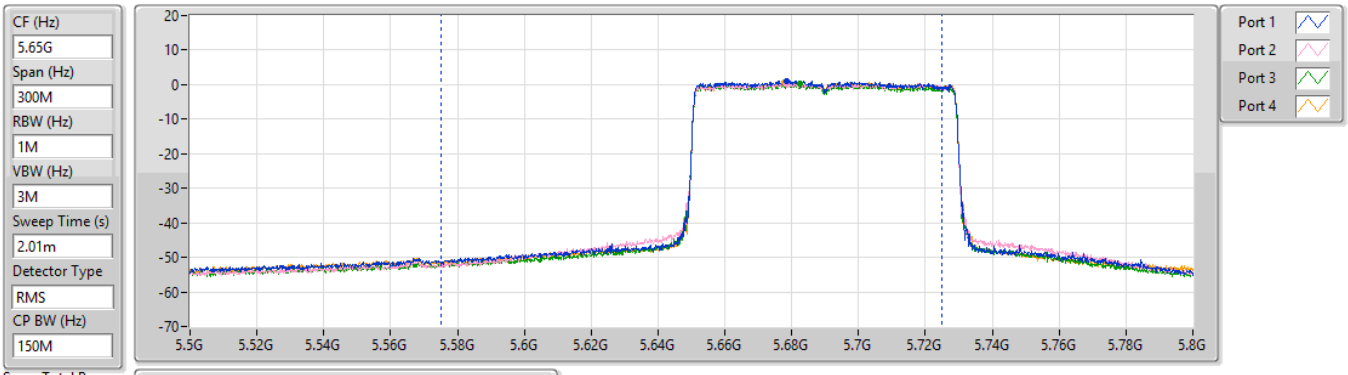
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.41	8.57	8.20	8.00	8.76

5.47-5.725GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.47-5.725GHz_TX

05/09/2023



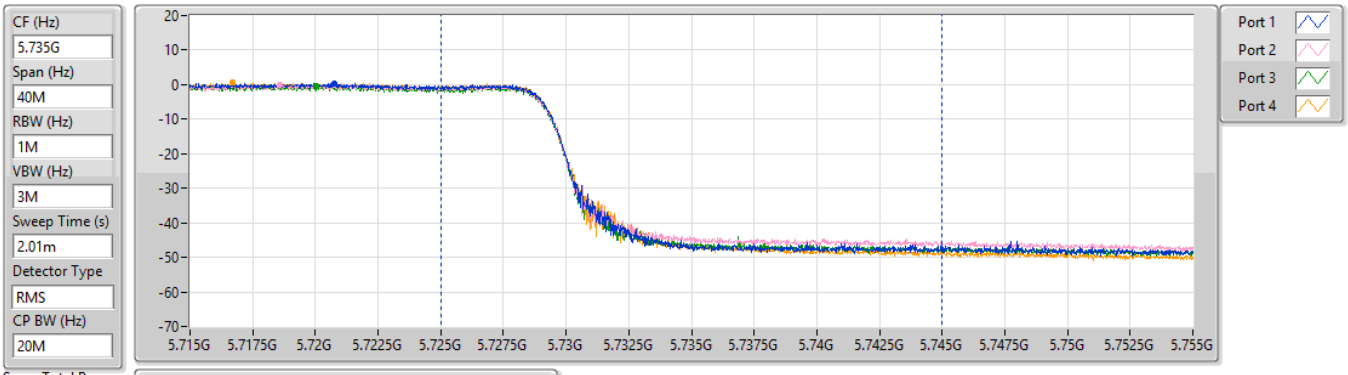
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.94	18.33	17.83	17.46	18.00

5.725-5.85GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.725-5.85GHz_TX

05/09/2023



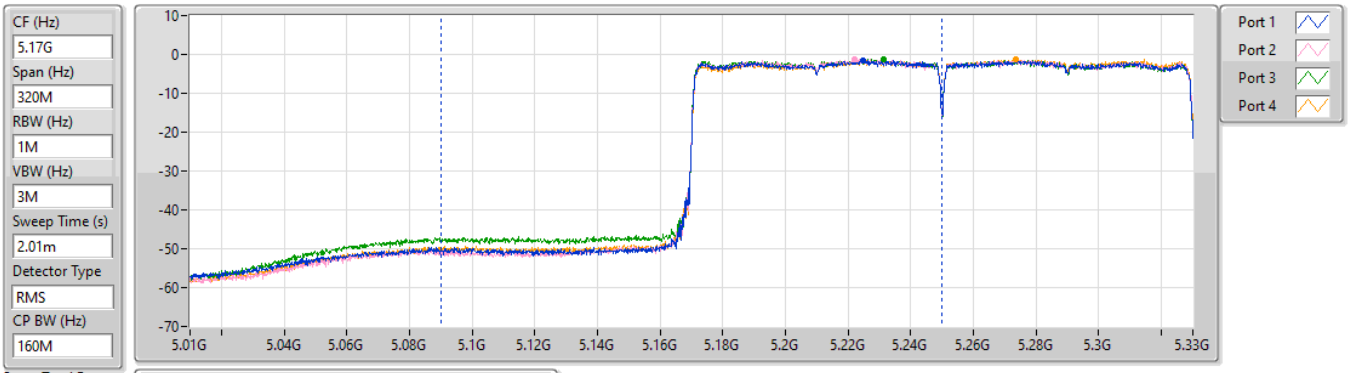
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.65	4.83	4.52	4.22	4.92

5.15-5.25GHz_802.11be EHT160-BF_Nss2,(MCS0)_4TX **AV Power**

5250MHz Straddle 5.15-5.25GHz_TX

28/09/2023



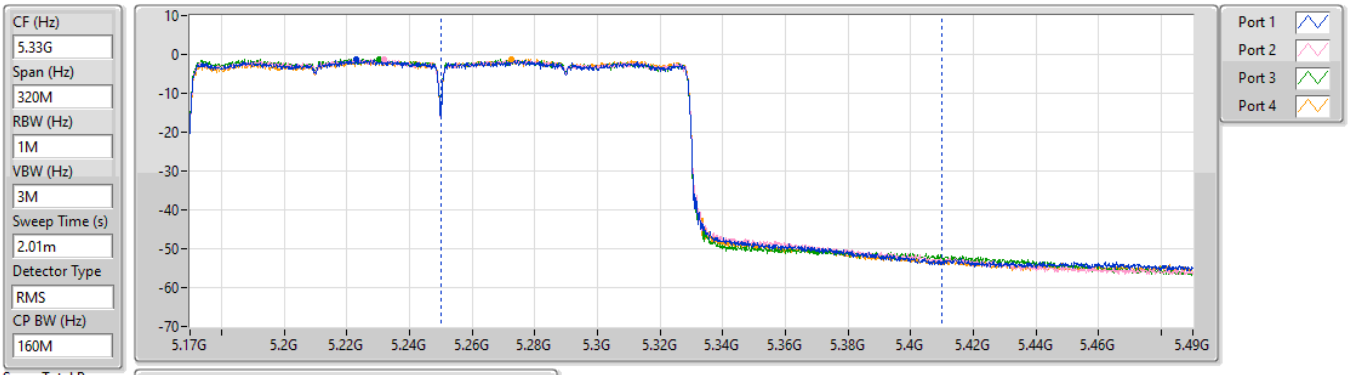
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
21.97	15.87	16.02	16.18	15.72

5.25-5.35GHz_802.11be EHT160-BF_Nss2,(MCS0)_4TX **AV Power**

5250MHz Straddle 5.25-5.35GHz_TX

28/09/2023



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
21.92	15.73	15.90	15.89	16.09

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.56
802.11be EHT20-BF_Nss1,(MCS0)_4TX	15.80
802.11be EHT20-BF_Nss2,(MCS0)_4TX	15.76
802.11be EHT40-BF_Nss1,(MCS0)_4TX	12.70
802.11be EHT40-BF_Nss2,(MCS0)_4TX	13.06
802.11be EHT80-BF_Nss1,(MCS0)_4TX	7.97
802.11be EHT80-BF_Nss2,(MCS0)_4TX	8.54
802.11be EHT160-BF_Nss1,(MCS0)_4TX	3.39
802.11be EHT160-BF_Nss2,(MCS0)_4TX	3.39
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.78
802.11be EHT20-BF_Nss1,(MCS0)_4TX	10.07
802.11be EHT20-BF_Nss2,(MCS0)_4TX	9.95
802.11be EHT40-BF_Nss1,(MCS0)_4TX	7.25
802.11be EHT40-BF_Nss2,(MCS0)_4TX	7.12
802.11be EHT80-BF_Nss1,(MCS0)_4TX	4.38
802.11be EHT80-BF_Nss2,(MCS0)_4TX	4.46
802.11be EHT160-BF_Nss1,(MCS0)_4TX	3.36
802.11be EHT160-BF_Nss2,(MCS0)_4TX	3.37
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.79
802.11be EHT20-BF_Nss1,(MCS0)_4TX	10.15
802.11be EHT20-BF_Nss2,(MCS0)_4TX	10.11
802.11be EHT40-BF_Nss1,(MCS0)_4TX	7.53
802.11be EHT40-BF_Nss2,(MCS0)_4TX	7.59
802.11be EHT80-BF_Nss1,(MCS0)_4TX	4.57
802.11be EHT80-BF_Nss2,(MCS0)_4TX	4.55
802.11be EHT160-BF_Nss1,(MCS0)_4TX	1.66
802.11be EHT160-BF_Nss2,(MCS0)_4TX	1.76
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.25
802.11be EHT20-BF_Nss1,(MCS0)_4TX	14.60
802.11be EHT20-BF_Nss2,(MCS0)_4TX	14.61
802.11be EHT40-BF_Nss1,(MCS0)_4TX	11.77
802.11be EHT40-BF_Nss2,(MCS0)_4TX	11.70
802.11be EHT80-BF_Nss1,(MCS0)_4TX	8.17
802.11be EHT80-BF_Nss2,(MCS0)_4TX	8.50

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

Result

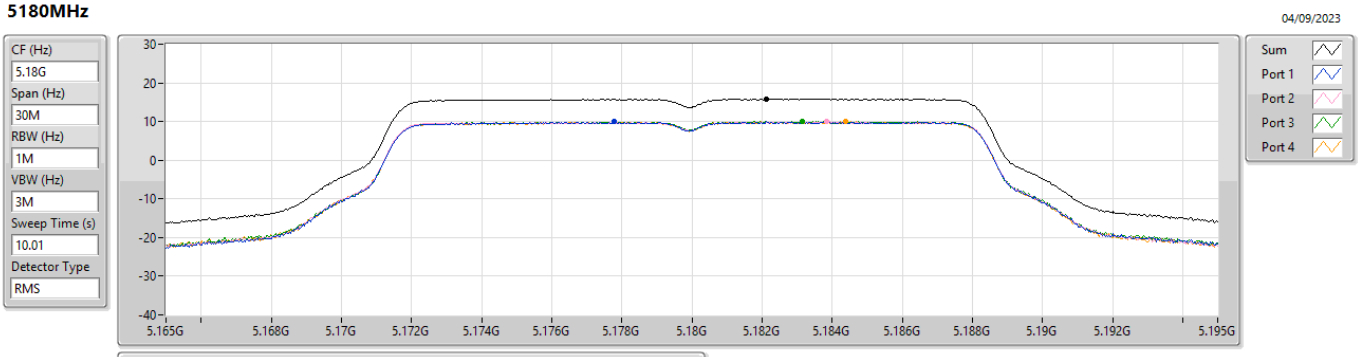
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.94	9.94	9.94	10.01	9.98	15.91	17.00
5200MHz	Pass	4.94	10.61	10.48	10.49	10.62	16.48	17.00
5240MHz	Pass	4.94	11.00	10.49	10.38	10.68	16.56	17.00
5260MHz	Pass	4.51	5.07	4.68	4.68	4.92	10.78	11.00
5300MHz	Pass	4.51	5.10	4.56	4.59	4.69	10.68	11.00
5320MHz	Pass	4.51	4.26	3.84	3.61	4.03	9.86	11.00
5500MHz	Pass	4.43	5.23	4.76	4.62	5.05	10.79	11.00
5580MHz	Pass	4.43	5.04	4.53	4.63	4.82	10.62	11.00
5700MHz	Pass	4.43	5.04	4.48	5.03	4.88	10.78	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.43	4.64	4.20	4.49	4.56	10.42	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.70	3.01	2.65	2.66	3.03	8.79	30.00
5745MHz	Pass	4.70	9.46	9.02	9.46	9.43	15.25	30.00
5785MHz	Pass	4.70	9.48	9.07	8.80	9.01	15.01	30.00
5825MHz	Pass	4.70	8.57	7.60	7.43	8.83	14.08	30.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.94	7.21	7.09	6.84	7.11	12.98	17.00
5200MHz	Pass	4.94	9.47	9.07	9.11	9.21	15.17	17.00
5240MHz	Pass	4.94	10.11	9.82	9.59	9.94	15.80	17.00
5260MHz	Pass	4.51	4.21	4.01	3.81	3.94	9.93	11.00
5300MHz	Pass	4.51	4.50	4.05	3.93	4.09	10.07	11.00
5320MHz	Pass	4.51	4.20	3.96	3.72	3.90	9.86	11.00
5500MHz	Pass	4.43	4.41	4.06	3.78	4.15	10.04	11.00
5580MHz	Pass	4.43	4.30	3.68	3.71	3.90	9.83	11.00
5700MHz	Pass	4.43	4.59	3.99	4.19	4.24	10.15	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.43	4.36	4.09	4.01	4.21	10.09	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.70	2.66	2.27	2.42	2.66	8.47	30.00
5745MHz	Pass	4.70	8.76	8.46	8.76	8.72	14.60	30.00
5785MHz	Pass	4.70	9.01	8.51	8.37	8.60	14.54	30.00
5825MHz	Pass	4.70	8.32	7.49	7.19	8.62	13.84	30.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.94	4.98	4.52	4.49	4.72	10.62	17.00
5230MHz	Pass	4.94	7.20	6.56	6.44	6.87	12.70	17.00
5270MHz	Pass	4.51	1.43	1.10	0.71	1.19	7.01	11.00
5310MHz	Pass	4.51	1.72	1.26	0.84	1.36	7.25	11.00
5510MHz	Pass	4.43	1.66	1.37	1.04	1.50	7.29	11.00
5550MHz	Pass	4.43	1.36	0.96	0.88	1.28	7.03	11.00
5670MHz	Pass	4.43	1.45	1.28	1.41	1.45	7.30	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.43	1.81	1.53	1.55	1.68	7.53	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.70	-0.04	-0.29	-0.32	0.02	5.79	30.00
5755MHz	Pass	4.70	6.11	5.74	5.64	5.78	11.77	30.00
5795MHz	Pass	4.70	6.57	5.27	4.97	6.09	11.67	30.00
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.94	2.53	2.05	1.88	2.24	7.97	17.00
5290MHz	Pass	4.51	-1.07	-1.77	-1.85	-1.36	4.38	11.00
5530MHz	Pass	4.43	-1.25	-1.94	-2.03	-1.41	4.32	11.00
5610MHz	Pass	4.43	-1.14	-1.81	-1.84	-1.45	4.34	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.43	-0.95	-1.80	-1.76	-1.09	4.57	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.70	-3.41	-3.55	-4.10	-2.92	2.49	30.00
5775MHz	Pass	4.70	2.59	2.03	1.85	2.49	8.17	30.00
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	4.94	-2.15	-2.64	-2.92	-2.31	3.39	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.51	-1.91	-3.06	-3.14	-2.30	3.36	11.00
5570MHz	Pass	4.43	-3.95	-4.44	-4.47	-4.20	1.66	11.00
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
5180MHz	Pass	3.09	7.41	7.18	6.96	7.16	13.11	17.00
5200MHz	Pass	3.09	10.03	9.91	9.50	9.85	15.75	17.00
5240MHz	Pass	3.09	10.20	9.81	9.33	9.81	15.76	17.00
5260MHz	Pass	3.47	4.42	3.95	3.62	3.96	9.95	11.00
5300MHz	Pass	3.47	4.41	3.88	3.57	3.95	9.91	11.00
5320MHz	Pass	3.47	4.36	3.99	3.65	4.04	9.94	11.00
5500MHz	Pass	2.84	4.30	3.80	3.41	3.93	9.79	11.00
5580MHz	Pass	2.84	4.40	3.78	3.67	4.01	9.92	11.00
5700MHz	Pass	2.84	4.42	3.79	3.67	4.06	9.94	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.84	4.53	3.90	3.82	4.32	10.11	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.65	2.79	2.24	2.26	2.87	8.52	30.00
5745MHz	Pass	3.65	8.82	8.39	8.66	8.75	14.61	30.00
5785MHz	Pass	3.65	9.02	8.14	7.85	8.77	14.39	30.00
5825MHz	Pass	3.65	8.21	7.16	6.78	8.61	13.69	30.00
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.09	5.56	5.01	4.84	5.31	11.13	17.00
5230MHz	Pass	3.09	7.60	6.99	6.71	7.20	13.06	17.00
5270MHz	Pass	3.47	1.46	1.00	0.49	1.10	6.98	11.00
5310MHz	Pass	3.47	1.60	1.19	0.49	1.16	7.12	11.00
5510MHz	Pass	2.84	1.65	1.22	0.64	1.32	7.14	11.00
5550MHz	Pass	2.84	1.45	0.90	0.51	1.16	7.01	11.00
5670MHz	Pass	2.84	1.63	0.78	0.76	1.20	7.08	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.84	1.90	1.47	1.40	1.81	7.59	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	3.65	0.09	-0.18	-0.43	0.25	5.90	30.00
5755MHz	Pass	3.65	6.15	5.46	5.45	5.86	11.70	30.00
5795MHz	Pass	3.65	6.10	5.31	4.97	5.93	11.56	30.00
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.09	3.08	2.52	2.14	2.65	8.54	17.00
5290MHz	Pass	3.47	-1.11	-1.55	-1.93	-1.44	4.46	11.00
5530MHz	Pass	2.84	-1.22	-1.71	-2.08	-1.42	4.39	11.00
5610MHz	Pass	2.84	-1.11	-1.74	-1.91	-1.46	4.43	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	2.84	-1.04	-1.64	-1.84	-1.28	4.55	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.65	-3.57	-3.80	-4.09	-3.42	2.26	30.00
5775MHz	Pass	3.65	3.01	2.36	2.18	2.59	8.50	30.00
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.09	-2.30	-2.49	-3.05	-2.50	3.39	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.47	-1.85	-2.83	-3.14	-2.65	3.37	11.00
5570MHz	Pass	2.84	-3.81	-4.31	-4.55	-4.20	1.76	11.00

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;

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

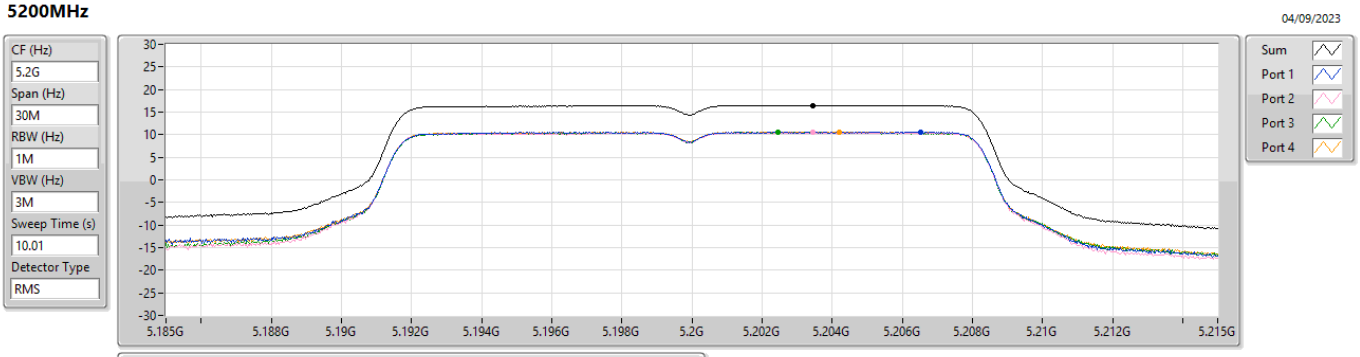
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.91	15.91	9.94	9.94	10.01	9.98

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

5200MHz

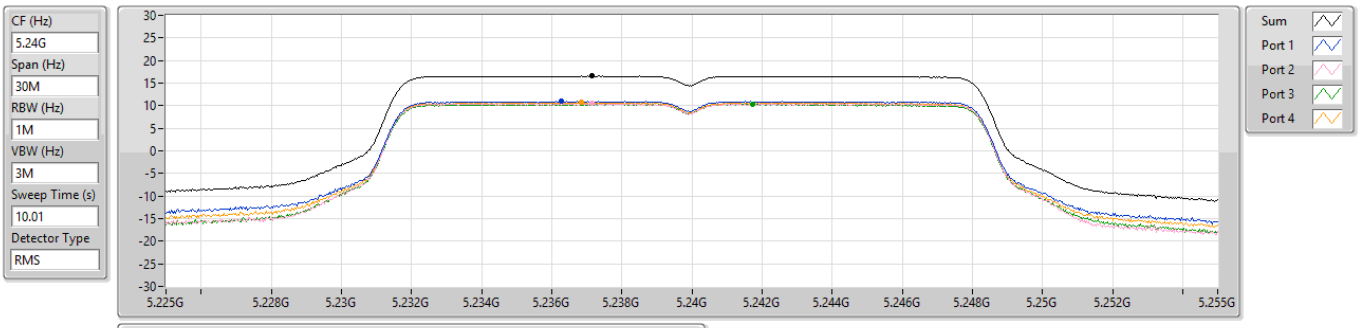


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.48	16.48	10.61	10.48	10.49	10.62

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

5240MHz

04/09/2023

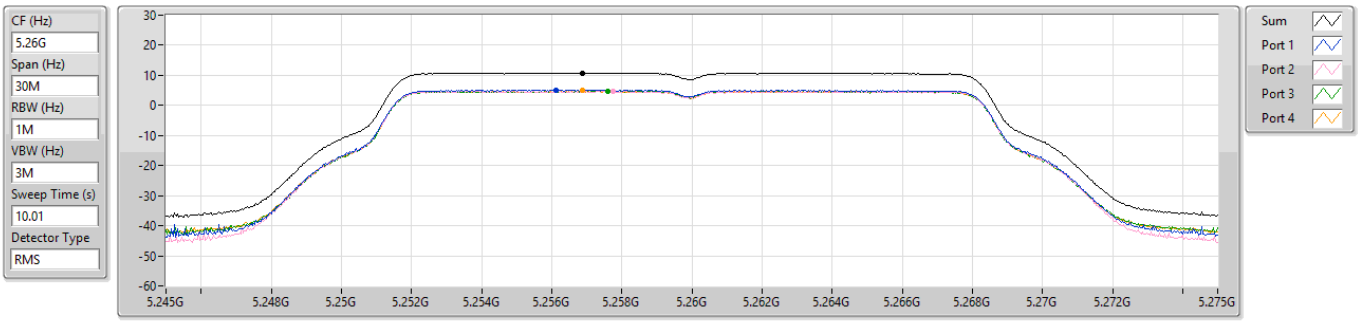


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.56	16.56	11.00	10.49	10.38	10.68

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

5260MHz

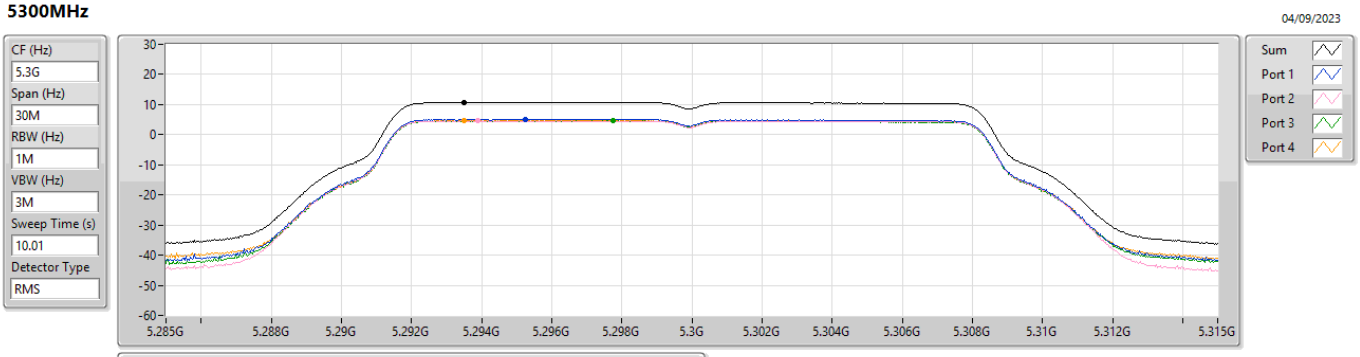
04/09/2023



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.78	10.78	5.07	4.68	4.68	4.92

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

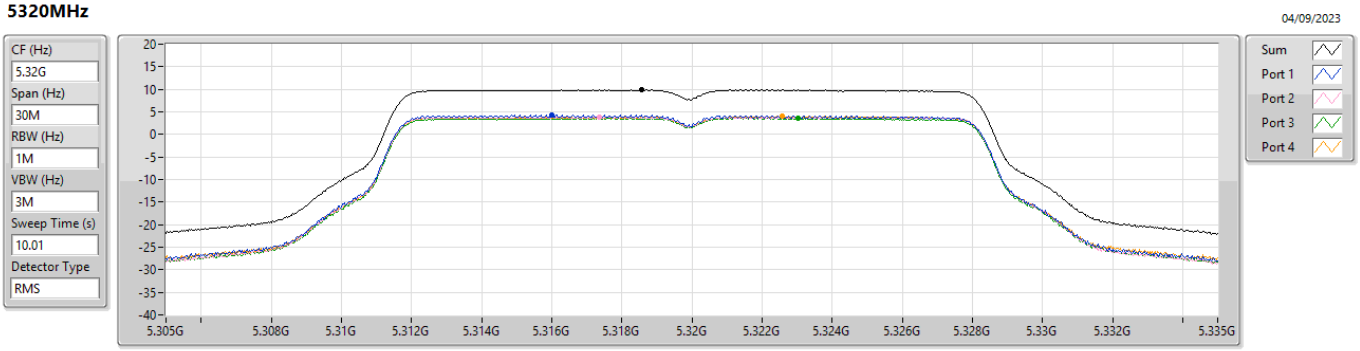
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.68	10.68	5.10	4.56	4.59	4.69

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

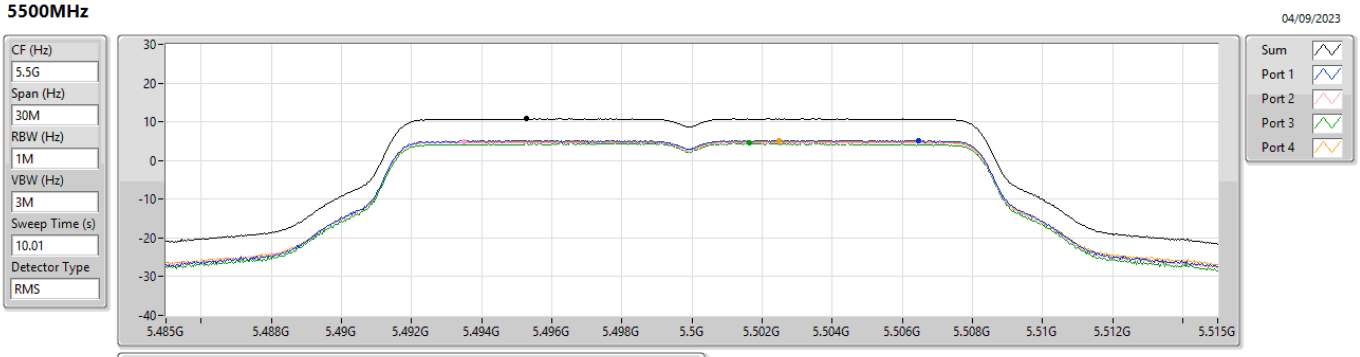
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.86	9.86	4.26	3.84	3.61	4.03

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

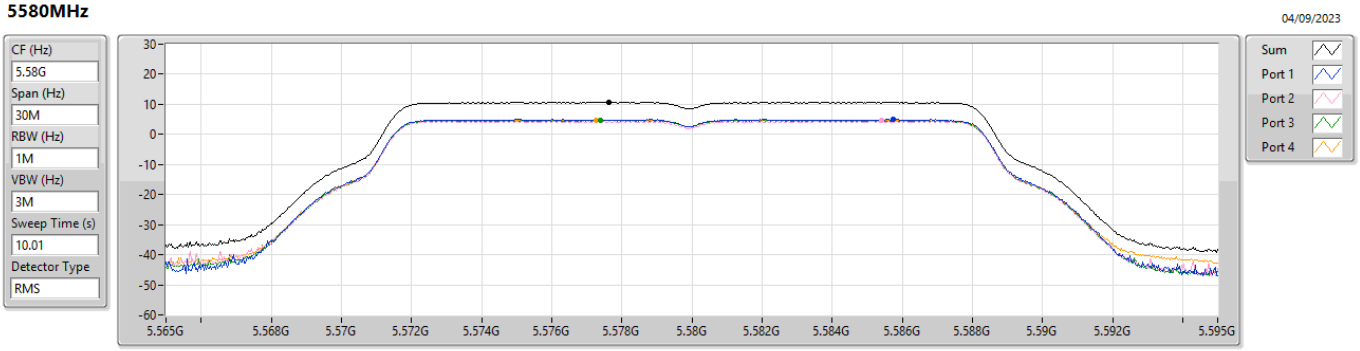
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.79	10.79	5.23	4.76	4.62	5.05

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

5580MHz

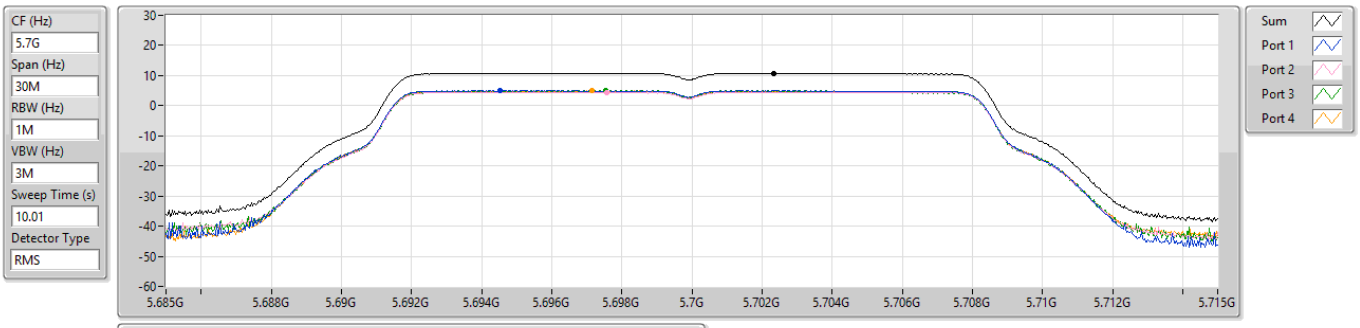


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.62	10.62	5.04	4.53	4.63	4.82

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

5700MHz

04/09/2023

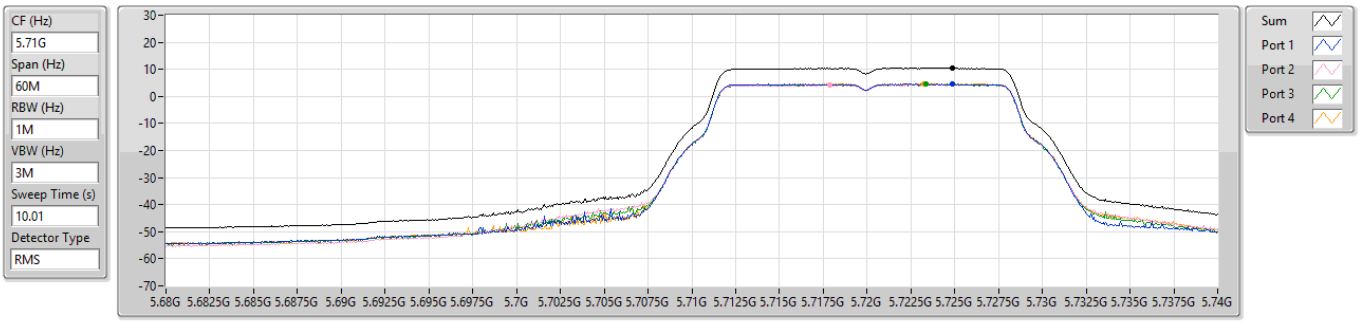


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.78	10.78	5.04	4.48	5.03	4.88

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

5720MHz Straddle 5.47-5.725GHz

04/09/2023

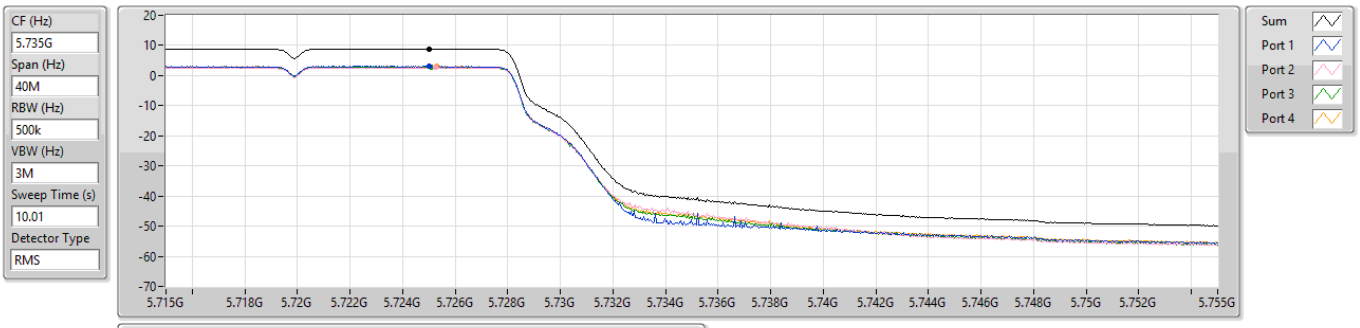


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.42	10.42	4.64	4.20	4.49	4.56

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

5720MHz Straddle 5.725-5.85GHz

04/09/2023

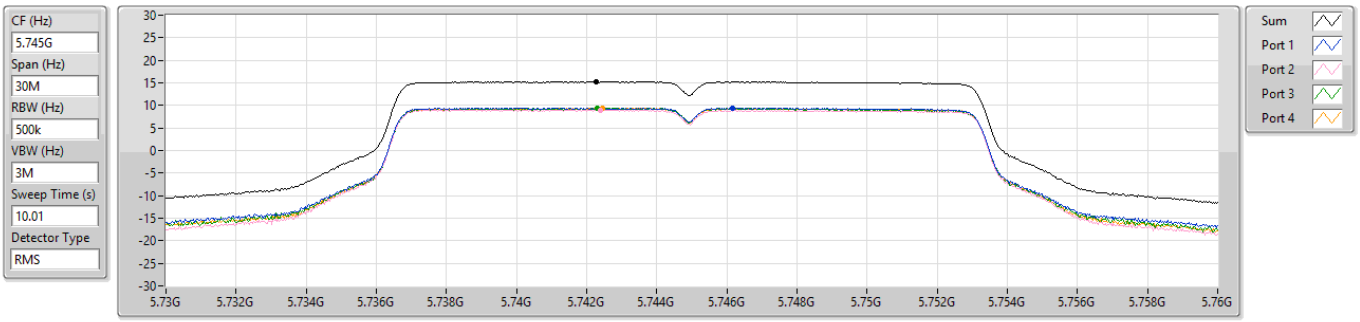


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.79	8.79	3.01	2.65	2.66	3.03

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

5745MHz

05/09/2023

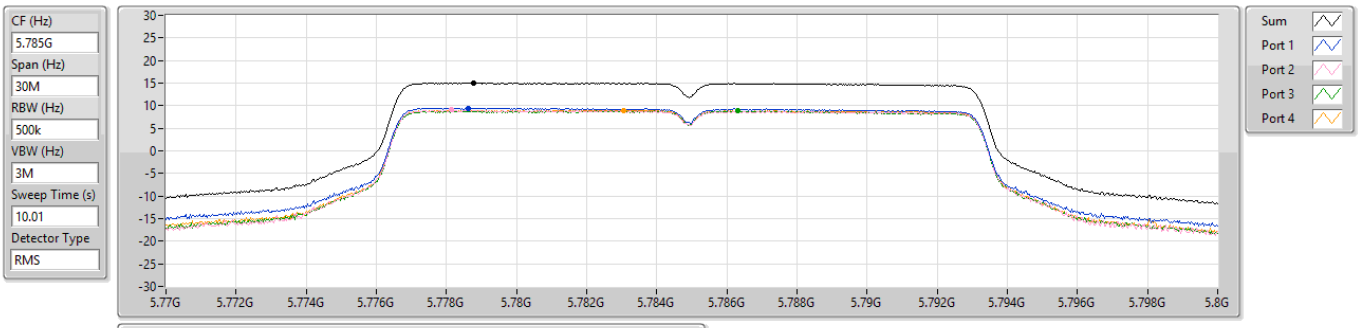


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.25	15.25	9.46	9.02	9.46	9.43

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

5785MHz

05/09/2023

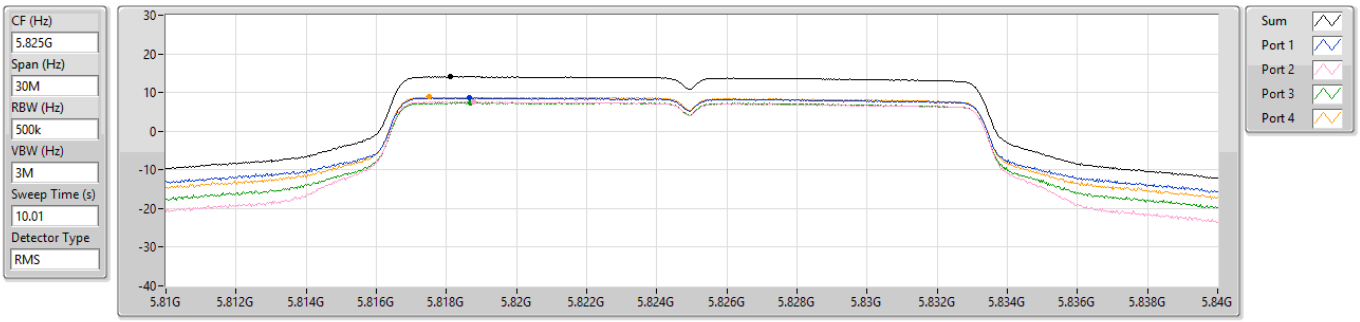


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.01	15.01	9.48	9.07	8.80	9.01

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

5825MHz

05/09/2023



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.08	14.08	8.57	7.60	7.43	8.83