



RADIO TEST REPORT

FCC ID : MSQ-RTBE8200
Equipment : BE6500 Dual Band WiFi7 Router
Brand Name : ASUS
Model Name : RT-BE82U
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 Oct. 04, 2024, and testing was started from Oct. 22, 2024 and completed on Dec. 11, 2024. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_1 Ver1.4



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/manufacture 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:

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.

Reviewed by: Sam Chen**Report Producer: Cathy Chiu**



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
5.15-5.25GHz	802.11be EHT40	40	4TX



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



Band	Mode	BWch (MHz)	Nant
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
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



Band	Mode	BWch (MHz)	Nant
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.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz					
1	1	1	M.gear	C660-510640-A	Dipole Antenna	I-PEX	Note1
2	2	2	M.gear	C660-510641-A	Dipole Antenna	I-PEX	
3	-	3	M.gear	C660-510642-A	Dipole Antenna	I-PEX	
4	-	4	M.gear	C660-510643-A	Dipole Antenna	I-PEX	

Note1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3
1	3.53	2.3	2.84	3.15	3.51
2	2.9	3.11	3.11	3.39	3.84
3	-	2.46	2.33	2.34	1.88
4	-	2.42	2.42	2.77	2.85

Note2: The above information was declared by manufacturer.

Note3: Directional gain information

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_m} \left[\sum_{k=1}^{N_{ANT}} \mathcal{E}_{j,k} \right]^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_m} \left[\sum_{k=1}^{N_{ANT}} \mathcal{E}_{j,k} \right]^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_m} \left[\sum_{k=1}^{N_{ANT}} \mathcal{E}_{j,k} \right]^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_m} \left[\sum_{k=1}^{N_{ANT}} \mathcal{E}_{j,k} \right]^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where ;

$$2.4G \ G1 = 3.53 \text{ dBi} ; G2 = 2.9 \text{ dBi} ;$$

$$5G \text{ UNII-1} \ G1 = 2.3 \text{ dBi} ; G2 = 3.11 \text{ dBi} ; G3 = 2.46 \text{ dBi} ; G4 = 2.42 \text{ dBi}$$

$$5G \text{ UNII-2A} \ G1 = 2.84 \text{ dBi} ; G2 = 3.11 \text{ dBi} ; G3 = 2.33 \text{ dBi} ; G4 = 2.42 \text{ dBi}$$

$$5G \text{ UNII-2C} \ G1 = 3.15 \text{ dBi} ; G2 = 3.39 \text{ dBi} ; G3 = 2.34 \text{ dBi} ; G4 = 2.77 \text{ dBi}$$

$$5G \text{ UNII-3} \ G1 = 3.51 \text{ dBi} ; G2 = 3.84 \text{ dBi} ; G3 = 1.88 \text{ dBi} ; G4 = 2.85 \text{ dBi}$$

$$2.4G \ DG = 6.23 \text{ dBi}$$

$$5G \text{ UNII-1} \ DG = 8.60 \text{ dBi}$$

$$5G \text{ UNII-2A} \ DG = 8.70 \text{ dBi}$$

$$5G \text{ UNII-2C} \ DG = 8.94 \text{ dB}$$

$$5G \text{ UNII-3} \ DG = 9.07 \text{ dBi}$$

For 2.4GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss 1,(6D)	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20-BF_Nss 1,(M0)	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40-BF_Nss 1,(M0)	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80-BF_Nss 1,(M0)	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT160-BF_Nss 1,(M0)	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20-BF_Nss 2,(M0)	0.947	0.24	4.63m	300
802.11be EHT40-BF_Nss 2,(M0)	0.964	0.16	5.388m	300
802.11be EHT80-BF_Nss 2,(M0)	0.937	0.28	5.12m	300
802.11be EHT160-BF_Nss 2,(M0)	0.956	0.2	5.109m	300

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 and n/ac/ax/be in 5GHz.			
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 Static Puncturing		
	☐	Supported Dynamic Puncturing		
	☒	Unsupported		
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	For RF Conducted and Radiated (Non-beamforming) mode: Mtool 3.3.0.8 For Radiated (beamforming) mode: DOS v6.1.7601			

Note: The above information was declared by manufacturer.

**1.1.5 Table for EUT Supports Function**

Function	Supports type
AP Router	Master
Bridge	Slave without radar detection
Extender	Master
Mesh	Master

Note 1: From the above, AP Router has been selected as representative mode for the test and its data was recorded in this report.

Note 2: The USB ports of the EUT support storage function and WWAN function. During the operation of WWAN function, the 2.5G WAN port will fix to LAN function.

Note 3: 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 D01 v02r01
- ♦ 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	TH03-CB	Owen Hsu	23.6~24.6 / 63~64	Nov. 15, 2024~ Nov. 25, 2024
Radiated (below 1GHz and Co-location)	03CH04-CB	Jackson Peng	22.7-23.8 / 58-60	Dec. 11, 2024
Radiated (above 1GHz)	03CH02-CB	Jackson Peng	22-23 / 61-63	Oct. 22, 2024~ Nov. 05, 2024
	03CH06-CB	Jackson Peng	22.5-22.9 / 58-60	Oct. 22, 2024~ Nov. 05, 2024
AC Conduction	CO02-CB	Joe Chu	23~24 / 61~62	Nov. 21, 2024



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)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 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	2.1 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.11a_Nss1,(6Mbps)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT20-BF_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40-BF_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80-BF_Nss1,(MCS0)_4TX



5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160-BF_Nss1,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11be EHT20-BF_Nss2,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40-BF_Nss2,(MCS0)_4TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80-BF_Nss2,(MCS0)_4TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160-BF_Nss2,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz



Note:

- ♦ Evaluated EHT20/EHT40/EHT80/EHT160 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160/HEW20/HEW40/HEW80/HEW160 mode are the same or lower than EHT20/EHT40/EHT80/EHT160.
- ♦ The EUT supports non-beamforming and beamforming mode, only beamforming mode has been 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	WAN mode: EUT + Adapter
2	WWAN mode: EUT + Adapter
For operating mode 1 is the worst case and it was record in this test report.	

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

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, and the worst case was found at Z axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Z axis + WLAN 2.4GHz
2	EUT in Z axis + WLAN 5GHz
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
After evaluating, and the worst case was found at Z axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Z 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, and the worst case was found at Z axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Z 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	EUT + WLAN 2.4GHz + WLAN 5GHz
2	EUT + WLAN 2.4GHz + WLAN 5GHz + WWAN
Refer to Sporton Test Report No.: FA482309 for Co-location RF Exposure Evaluation.	

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 7 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 Client and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	LEI	MU36D1120300-A1	INPUT: 100-240V ~ 50/60Hz, 1.0A OUTPUT: 12V, 3A
Others			
RJ-45 cable*1, non-shielded, 1.5m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WAN NB	DELL	E6430	N/A
B	LAN4 NB	DELL	E6430	N/A
C	LAN1 NB	DELL	E6430	N/A
D	2.4G NB	Apple	A1278	N/A
E	5G NB	Apple	A1278	N/A
F	Flash disk3.0	Transcend	JetFlash-703	N/A

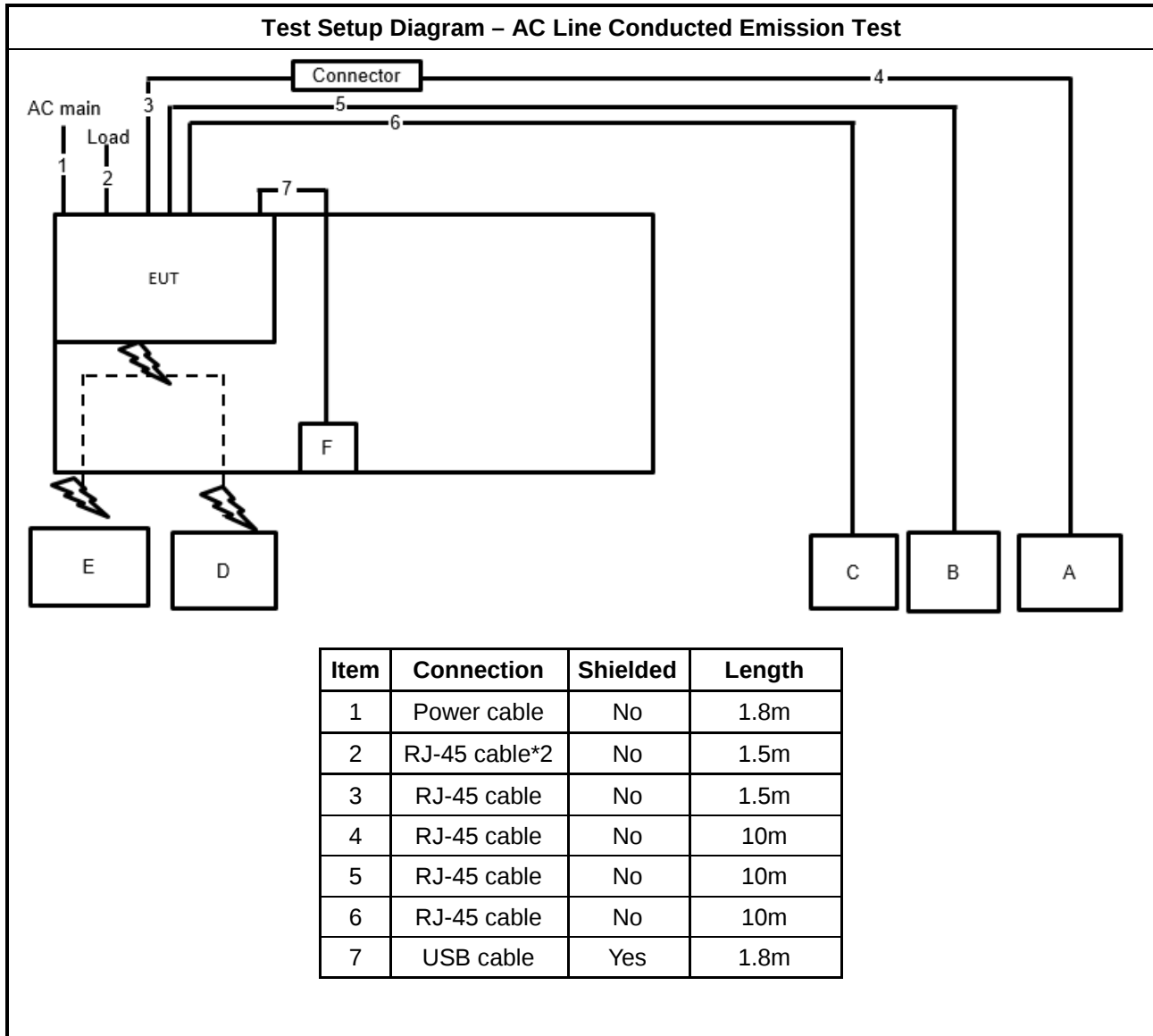
For Radiated (below 1GHz), Radiated (above 1GHz) / Non-beamforming mode and RF Conducted:

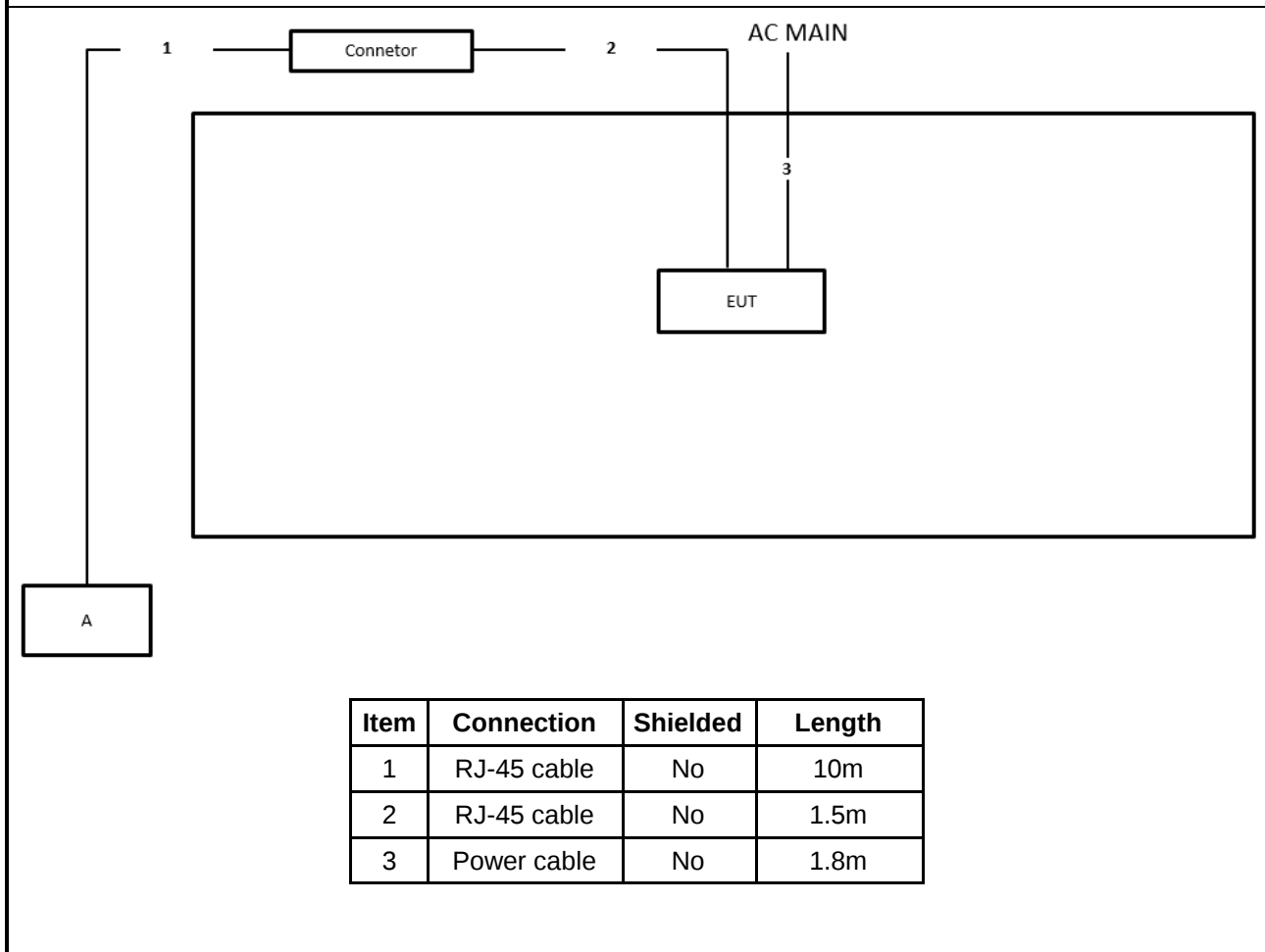
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

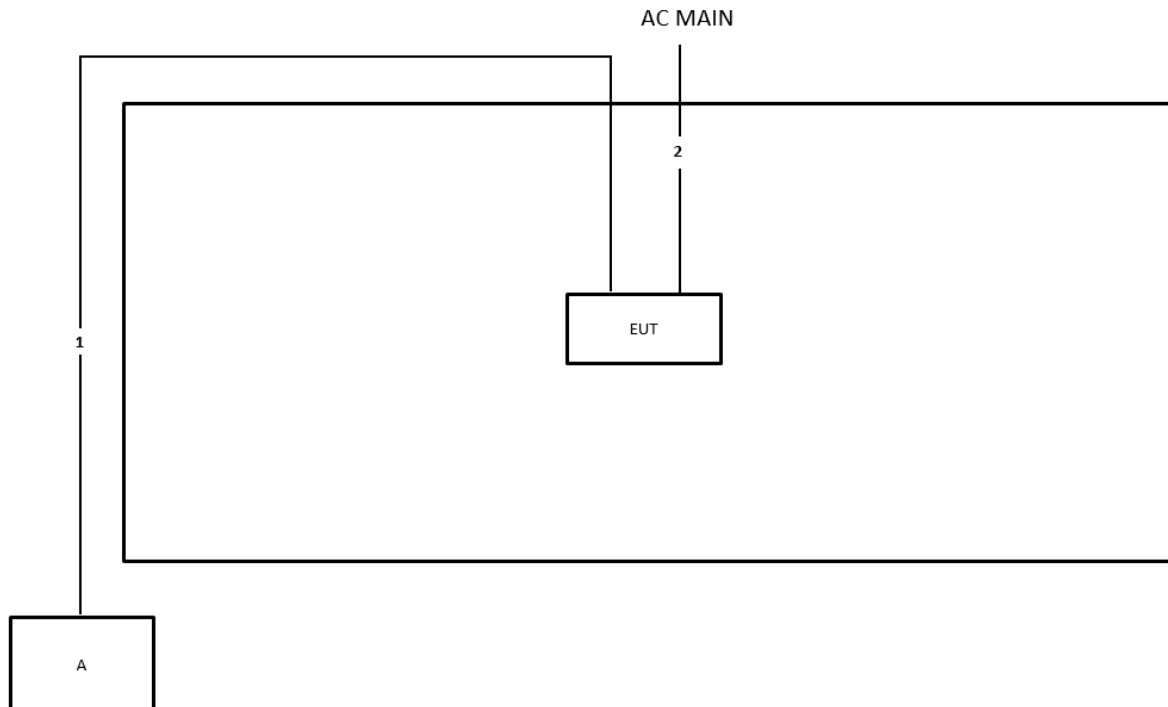
For Radiated (above 1GHz) / Beamforming mode:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Client	ASUS	RT-BE96U	N/A
C	NB	DELL	E4300	N/A

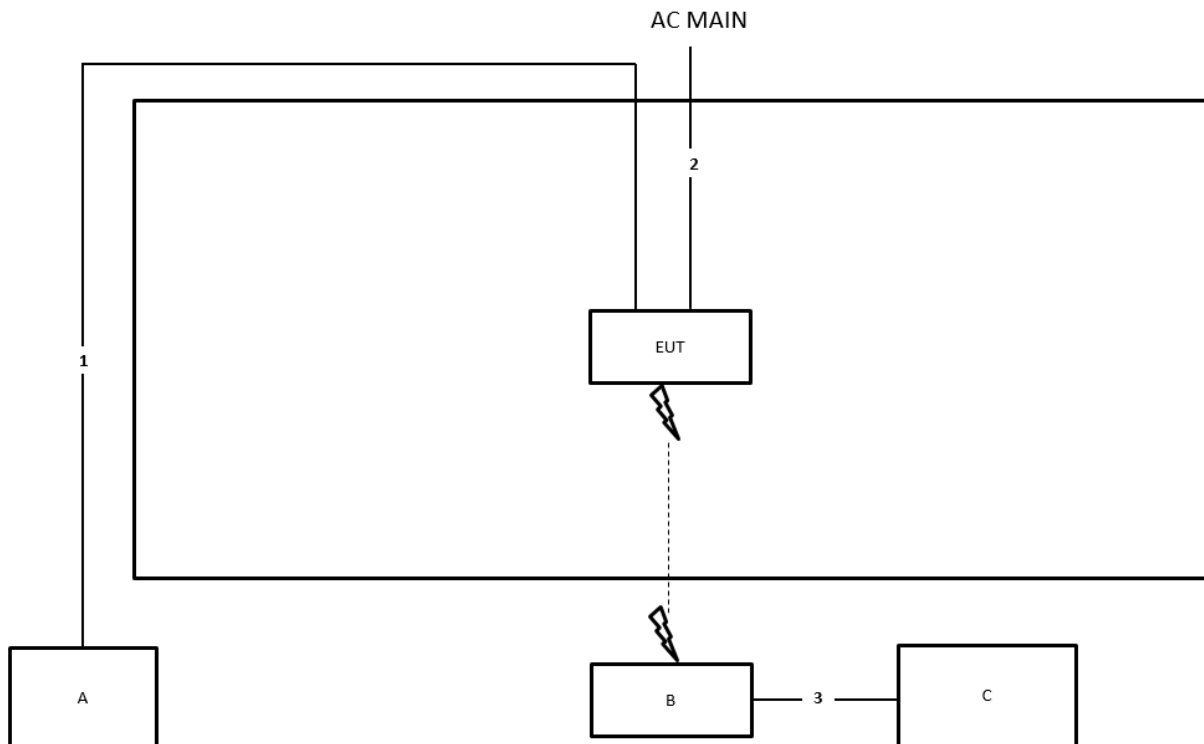
2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


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	10m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

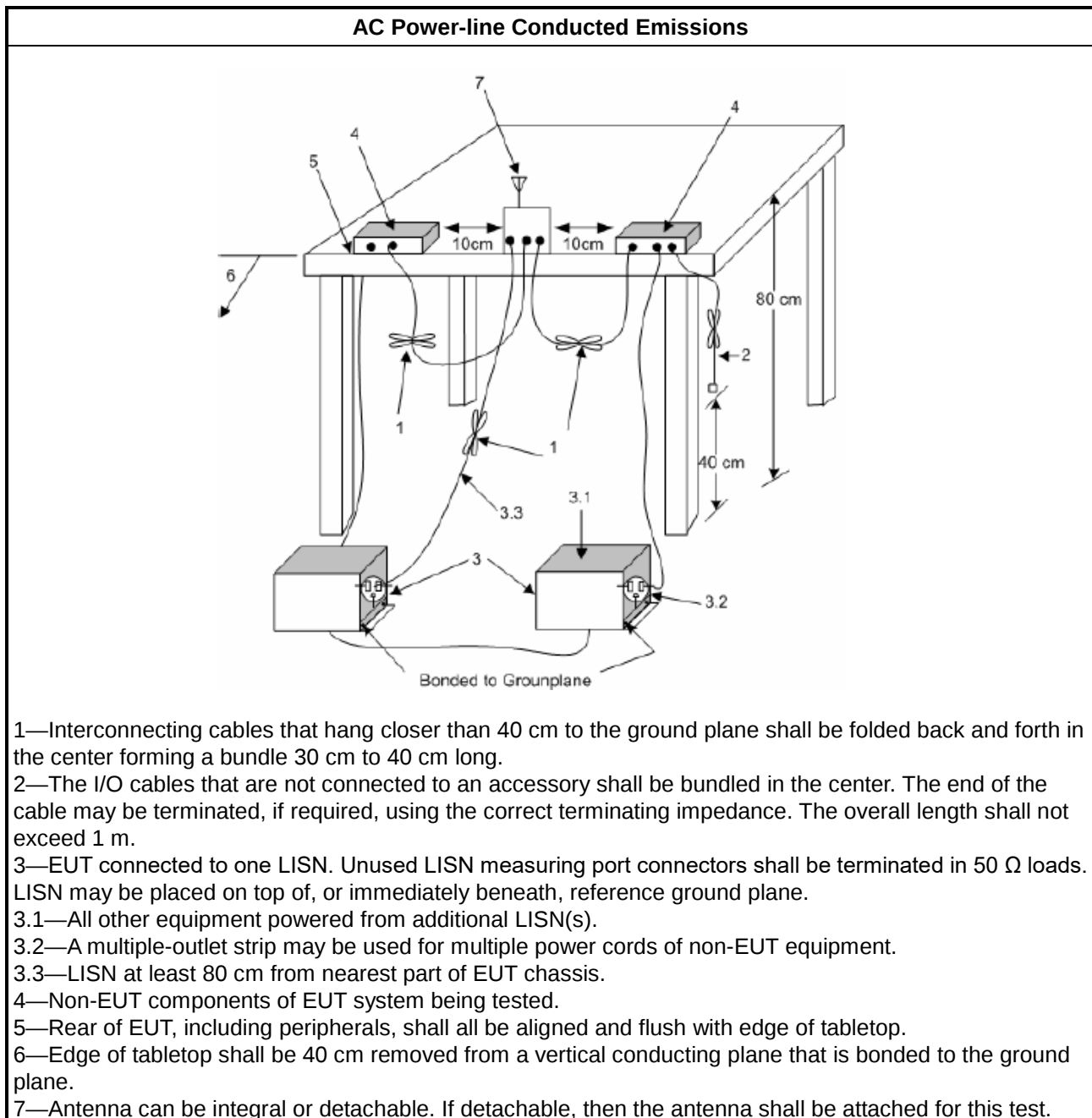
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- 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 $11 \text{ dBm} + 10 \log B$, 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 $11 \text{ dBm} + 10 \log B$, 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 $\geq 500\text{kHz}$.
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 $\geq 500\text{kHz}$.

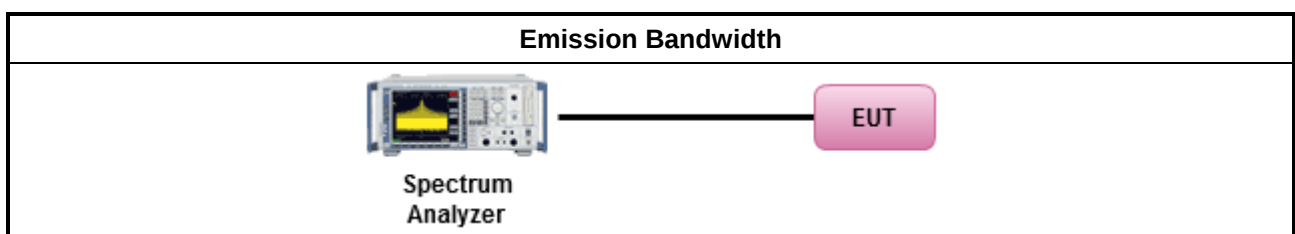
3.2.2 Measuring Instruments

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



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:	
☐	- For other devices: 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. - Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐ For the 5.25-5.35 GHz band:	
☐	- For other devices: The maximum conducted output power shall not exceed 250 mW or 11 + 10 log 10 B, dBm, and 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 - Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 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 conducted output power shall not exceed 250 mW or 11 + 10 log 10 B, dBm, and 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

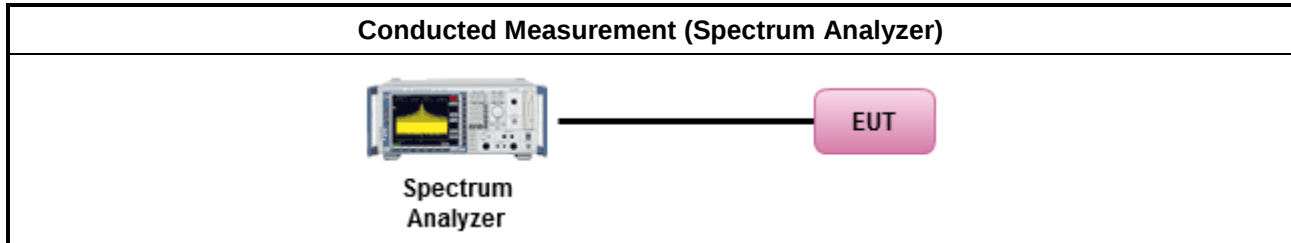
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

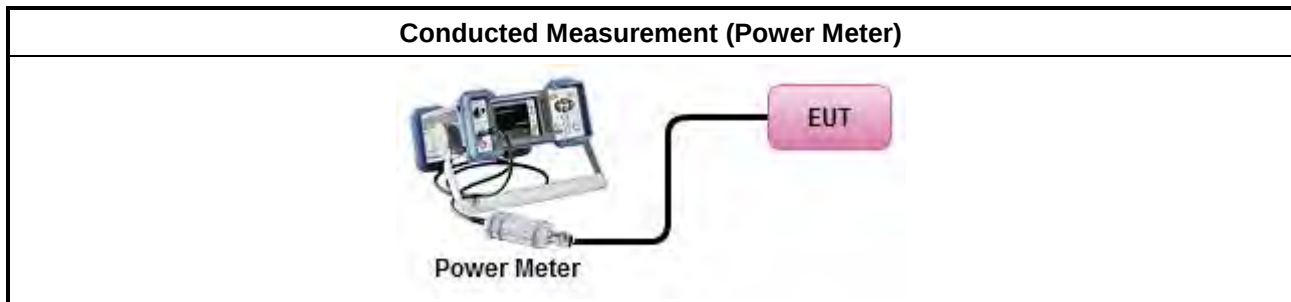
Test Method	
	Average over on/off periods with duty factor
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging). For Straddle channel mode
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter). For other mode
☒	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: $P_{total} = P_1 + P_2 + \dots + P_n$ (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



For Other test



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ 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 $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ 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

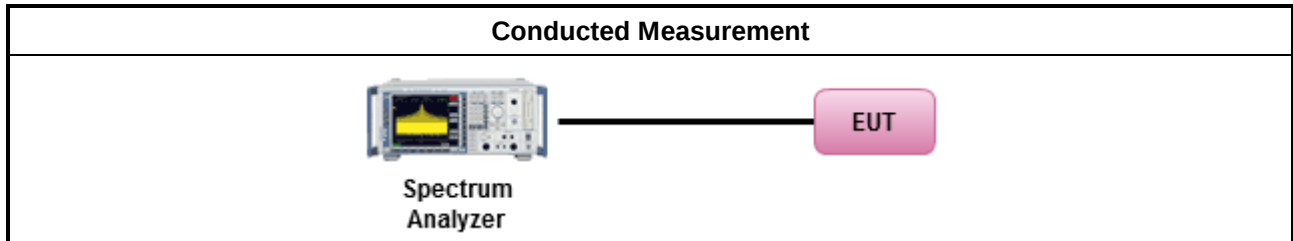
Refer a test equipment and calibration data table in this test report.

**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, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
☒	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: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (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.	

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
☒ 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).

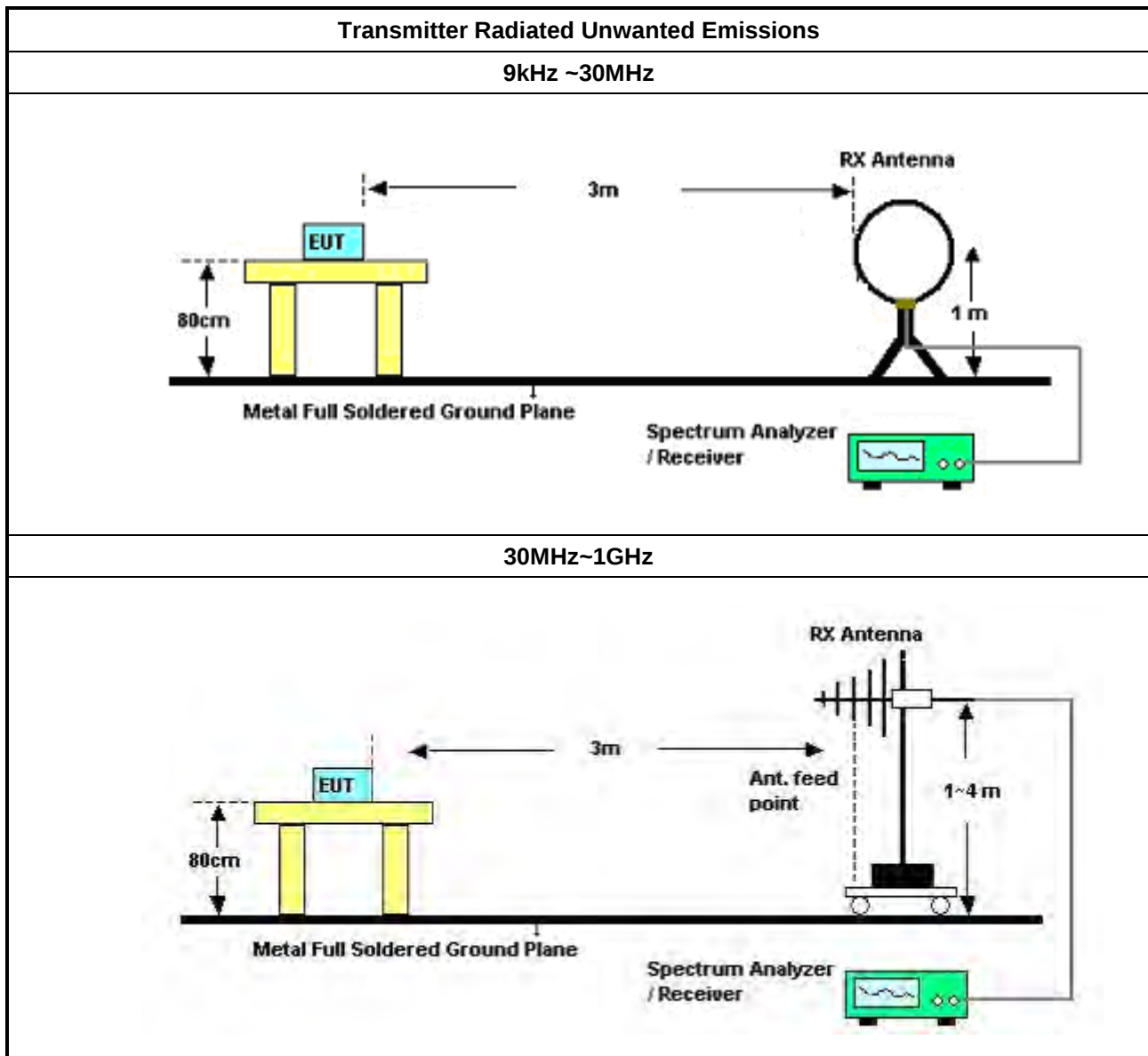
3.5.2 Measuring Instruments

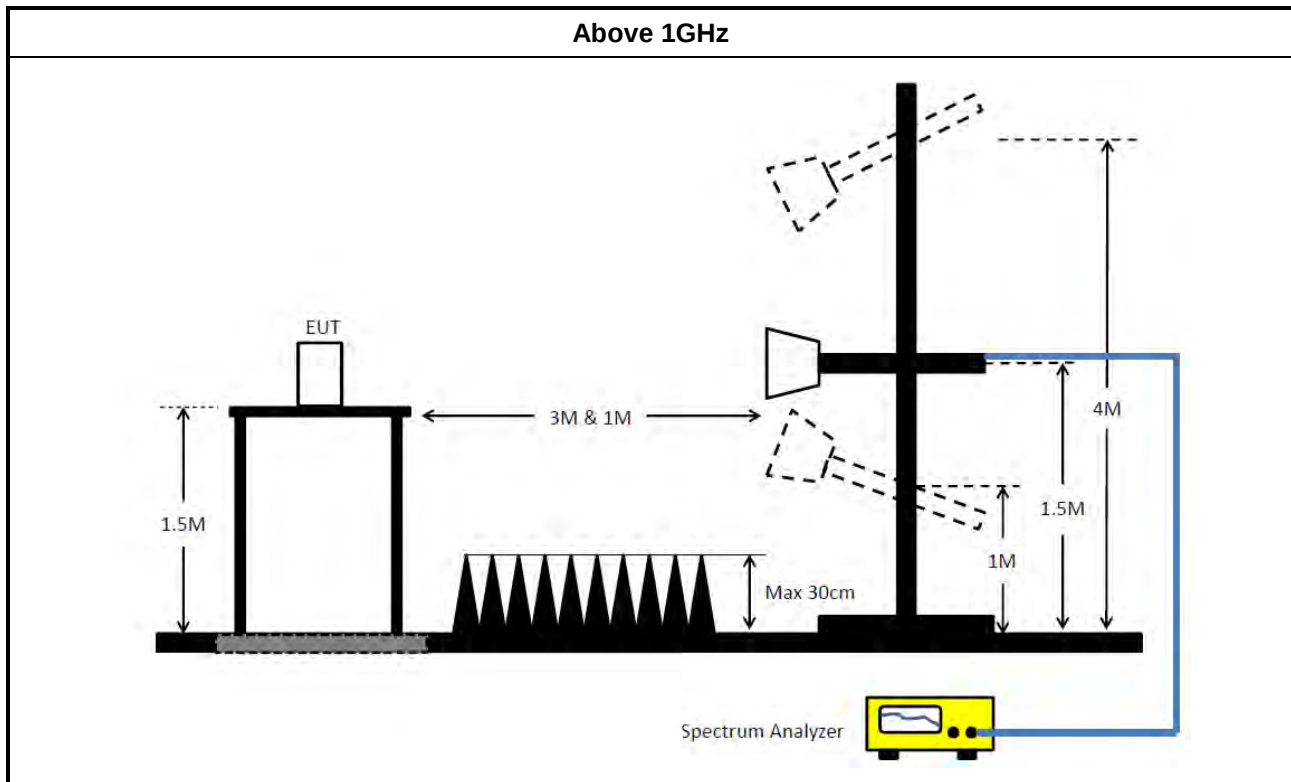
Refer a test equipment and calibration data table in this test report.

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 $\geq 1/T$, 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.	
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





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
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Apr. 15, 2024	Apr. 14, 2025	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 29, 2023	Dec. 28, 2024	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 15, 2024	May 14, 2025	Conduction (CO02-CB)
COND Cable	Woken	Cable	02	0.15MHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO02-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30 MHz ~ 1 GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 22, 2024	Feb. 21, 2025	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N06 07	30MHz ~ 1GHz	Oct. 05, 2024	Oct. 04, 2025	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120D-01816	1GHz~18GHz	Dec. 20, 2023	Dec. 19, 2024	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH04-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	May 22, 2024	May 21, 2025	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH5265	20211115-1	1~ 26.5GHz	Jan. 17, 2024	Jan. 16, 2025	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 19, 2024	Mar. 18, 2025	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz ~ 1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 12, 2024	Apr. 11, 2025	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Aug. 14, 2024	Aug. 13, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-1540 7_NII	V5.11.19	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 08, 2024	Oct. 07, 2025	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 20, 2024	Aug. 19, 2025	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-1540 7_NII	V5.11.19	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 22, 2023	Dec. 21, 2024	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1~18GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH03-CB)
Test Software	SPORTON	SENSE-1540 7_NII	V5.11.19	5.15GHz- 7.115GHz	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR means Non-Calibration required.



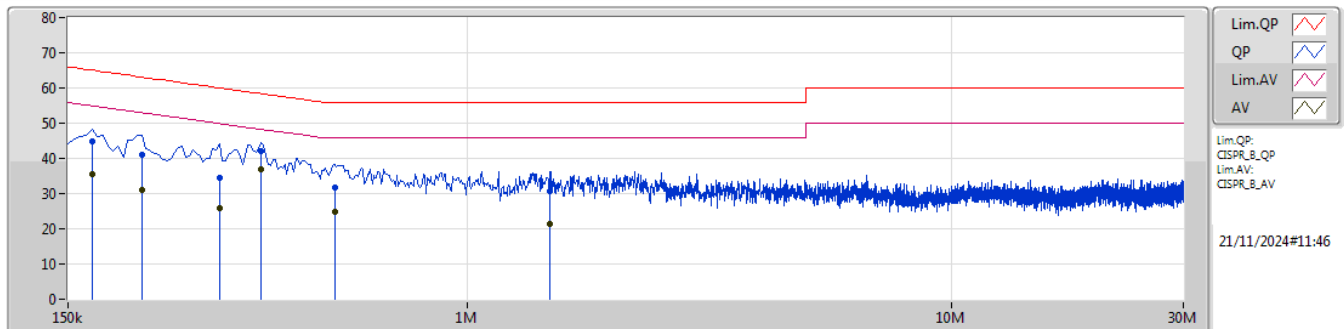
Conducted Emissions at Powerline

Appendix A

Summary

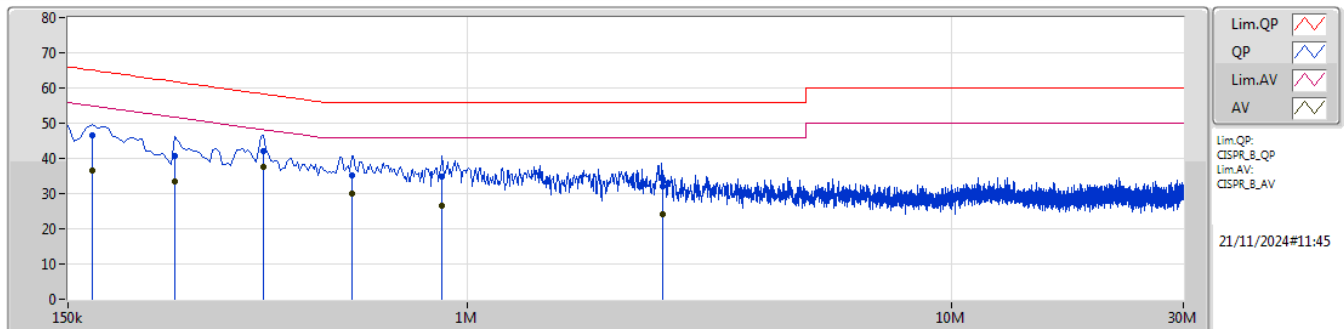
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	379.5k	37.73	48.29	-10.56	Neutral

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	168k	44.77	65.06	-20.29	10.09	Line	-	34.68	0.05	0.02	10.02						
AV	168k	35.40	55.06	-19.66	10.09	Line	-	25.31	0.05	0.02	10.02						
QP	213k	41.05	63.09	-22.04	10.09	Line	-	30.96	0.05	0.02	10.02						
AV	213k	31.18	53.09	-21.91	10.09	Line	-	21.09	0.05	0.02	10.02						
QP	307.5k	34.40	60.03	-25.63	10.11	Line	-	24.29	0.05	0.03	10.03						
AV	307.5k	25.86	50.03	-24.17	10.11	Line	-	15.75	0.05	0.03	10.03						
QP	375k	42.00	58.39	-16.39	10.12	Line	-	31.88	0.05	0.04	10.03						
AV	375k	36.76	48.39	-11.63	10.12	Line	"Worst"	26.64	0.05	0.04	10.03						
QP	532.5k	31.71	56.00	-24.29	10.12	Line	-	21.59	0.06	0.03	10.03						
AV	532.5k	24.77	46.00	-21.23	10.12	Line	-	14.65	0.06	0.03	10.03						
QP	1.482M	30.80	56.00	-25.20	10.12	Line	-	20.68	0.08	0.02	10.02						
AV	1.482M	21.28	46.00	-24.72	10.12	Line	-	11.16	0.08	0.02	10.02						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	168k	46.38	65.06	-18.68	10.09	Neutral	-	36.29	0.05	0.02	10.02						
AV	168k	36.69	55.06	-18.37	10.09	Neutral	-	26.60	0.05	0.02	10.02						
QP	249k	40.61	61.79	-21.18	10.10	Neutral	-	30.51	0.05	0.03	10.02						
AV	249k	33.60	51.79	-18.19	10.10	Neutral	-	23.50	0.05	0.03	10.02						
QP	379.5k	42.13	58.29	-16.16	10.12	Neutral	-	32.01	0.05	0.04	10.03						
AV	379.5k	37.73	48.29	-10.56	10.12	Neutral	"Worst"	27.61	0.05	0.04	10.03						
QP	577.5k	35.13	56.00	-20.87	10.11	Neutral	-	25.02	0.05	0.03	10.03						
AV	577.5k	30.14	46.00	-15.86	10.11	Neutral	-	20.03	0.05	0.03	10.03						
QP	888k	34.97	56.00	-21.03	10.11	Neutral	-	24.86	0.06	0.02	10.03						
AV	888k	26.55	46.00	-19.45	10.11	Neutral	-	16.44	0.06	0.02	10.03						
QP	2.522M	32.19	56.00	-23.81	10.14	Neutral	-	22.05	0.09	0.02	10.03						
AV	2.522M	24.28	46.00	-21.72	10.14	Neutral	-	14.14	0.09	0.02	10.03						

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	23.98M	16.887M	16M9D1D	20.625M	16.646M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	27.005M	19.191M	19M2D1D	20.79M	19.007M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	23.485M	19.197M	19M2D1D	20.79M	18.988M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	50.16M	37.833M	37M8D1D	40.04M	37.701M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	56.76M	37.933M	37M9D1D	39.93M	37.718M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	85.8M	77.424M	77M4D1D	81.62M	77.404M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	91.74M	77.359M	77M4D1D	83.82M	77.16M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	81.2M	77.328M	77M3D1D	80.64M	77.218M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	81.36M	77.381M	77M4D1D	80.64M	77.089M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.76M	16.897M	16M9D1D	20.68M	16.648M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	26.07M	19.13M	19M1D1D	20.955M	18.992M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	25.025M	19.134M	19M1D1D	20.9M	18.975M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	51.37M	37.919M	37M9D1D	39.49M	37.606M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	47.96M	37.92M	37M9D1D	39.6M	37.683M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	83.6M	77.503M	77M5D1D	81.62M	77.247M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	87.78M	77.46M	77M5D1D	82.94M	77.253M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	81.44M	77.354M	77M4D1D	80.56M	77.155M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	81.36M	77.32M	77M3D1D	80.72M	77.182M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.485M	16.961M	17M0D1D	15.555M	13.383M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	24.2M	19.176M	19M2D1D	15.75M	14.534M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	23.1M	19.168M	19M2D1D	15.675M	14.537M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	45.32M	37.874M	37M9D1D	34.755M	33.689M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	53.35M	37.877M	37M9D1D	34.895M	33.721M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	84.92M	77.308M	77M3D1D	75.45M	73.14M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	87.56M	77.328M	77M3D1D	75.525M	73.215M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	164.12M	156.36M	156MD1D	163.24M	156.179M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	163.68M	156.3M	156MD1D	162.8M	155.887M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.555M	16.894M	16M9D1D	3.08M	3.846M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	19.195M	19.142M	19M1D1D	4.46M	4.483M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	19.25M	19.132M	19M1D1D	4.46M	4.496M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	38.06M	37.845M	37M8D1D	3.96M	4.019M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	37.73M	37.862M	37M9D1D	3.62M	4.005M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	77.44M	77.377M	77M4D1D	3.96M	4.015M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	76.56M	77.537M	77M5D1D	3.48M	4.029M

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	23.98M	16.858M	21.45M	16.78M	21.89M	16.887M	21.835M	16.778M
5200MHz	Pass	Inf	20.625M	16.666M	20.9M	16.695M	20.845M	16.646M	20.845M	16.655M
5240MHz	Pass	Inf	20.68M	16.729M	20.845M	16.698M	20.9M	16.735M	21.23M	16.721M
5260MHz	Pass	Inf	21.285M	16.679M	20.79M	16.699M	20.68M	16.653M	20.79M	16.648M
5300MHz	Pass	Inf	21.12M	16.717M	20.9M	16.682M	21.065M	16.71M	20.955M	16.691M
5320MHz	Pass	Inf	21.945M	16.889M	21.67M	16.897M	21.505M	16.839M	23.76M	16.884M
5500MHz	Pass	Inf	22.055M	16.883M	23.21M	16.961M	23.485M	16.903M	22.88M	16.822M
5580MHz	Pass	Inf	21.285M	16.746M	21.01M	16.65M	21.065M	16.71M	20.955M	16.638M
5700MHz	Pass	Inf	20.955M	16.701M	20.79M	16.691M	20.845M	16.699M	21.12M	16.651M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.795M	13.383M	15.615M	13.413M	15.675M	13.384M	15.555M	13.42M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.2M	3.977M	3.22M	3.945M	3.18M	3.97M	3.08M	3.846M
5745MHz	Pass	500k	16.28M	16.787M	16.335M	16.88M	16.335M	16.894M	16.5M	16.783M
5785MHz	Pass	500k	16.555M	16.76M	16.555M	16.783M	16.39M	16.74M	16.445M	16.717M
5825MHz	Pass	500k	16.5M	16.71M	16.555M	16.689M	16.555M	16.696M	16.555M	16.757M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.32M	19.102M	21.725M	19.166M	25.85M	19.095M	27.005M	19.191M
5200MHz	Pass	Inf	21.34M	19.047M	21.395M	19.074M	20.9M	19.051M	20.79M	19.063M
5240MHz	Pass	Inf	21.34M	19.091M	21.23M	19.035M	22.165M	19.007M	21.56M	19.109M
5260MHz	Pass	Inf	21.285M	19.034M	20.955M	18.992M	20.955M	19.066M	21.23M	19.046M
5300MHz	Pass	Inf	21.285M	19.008M	21.395M	19.089M	21.285M	19.011M	21.285M	18.996M
5320MHz	Pass	Inf	21.835M	19.088M	22.165M	19.067M	26.07M	19.072M	24.695M	19.13M
5500MHz	Pass	Inf	23.485M	19.176M	22.33M	19.048M	24.2M	19.135M	23.045M	19.089M
5580MHz	Pass	Inf	21.175M	19.027M	21.175M	19.002M	20.955M	19.001M	21.615M	19.003M
5700MHz	Pass	Inf	21.34M	19.041M	21.23M	19.02M	21.23M	19.03M	21.23M	19.036M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.005M	14.534M	15.975M	14.565M	15.78M	14.547M	15.75M	14.559M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.54M	4.527M	4.46M	4.483M	4.48M	4.51M	4.5M	4.489M
5745MHz	Pass	500k	17.985M	19.086M	18.975M	19.142M	19.085M	19.09M	19.085M	19.104M
5785MHz	Pass	500k	19.03M	19.042M	19.085M	19.028M	19.03M	19.012M	18.755M	19.091M
5825MHz	Pass	500k	18.92M	19.004M	19.195M	19.026M	18.59M	19.053M	19.085M	19.062M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	42.9M	37.831M	41.14M	37.781M	41.36M	37.833M	50.16M	37.831M
5230MHz	Pass	Inf	40.15M	37.754M	40.59M	37.714M	40.15M	37.701M	40.04M	37.765M
5270MHz	Pass	Inf	40.37M	37.65M	39.49M	37.766M	39.49M	37.606M	39.71M	37.749M
5310MHz	Pass	Inf	51.37M	37.876M	41.36M	37.884M	43.45M	37.849M	41.91M	37.919M
5510MHz	Pass	Inf	41.36M	37.832M	41.91M	37.874M	45.32M	37.807M	41.8M	37.869M
5550MHz	Pass	Inf	39.6M	37.691M	39.71M	37.72M	39.6M	37.749M	39.6M	37.693M
5670MHz	Pass	Inf	39.71M	37.705M	39.38M	37.636M	39.71M	37.72M	39.93M	37.746M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.755M	33.795M	35.07M	33.79M	35M	33.771M	35.105M	33.689M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	4.019M	3.98M	4.033M	4M	4.023M	3.96M	4.02M
5755MHz	Pass	500k	37.84M	37.825M	37.4M	37.793M	38.06M	37.834M	37.62M	37.845M
5795MHz	Pass	500k	37.18M	37.786M	37.73M	37.779M	38.06M	37.8M	37.84M	37.728M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	84.26M	77.421M	82.28M	77.424M	81.62M	77.404M	85.8M	77.417M
5290MHz	Pass	Inf	82.72M	77.326M	81.84M	77.247M	81.62M	77.503M	83.6M	77.397M
5530MHz	Pass	Inf	83.6M	77.217M	84.04M	77.303M	82.94M	77.305M	84.92M	77.308M
5610MHz	Pass	Inf	82.06M	77.122M	81.4M	77.094M	80.52M	77.152M	80.3M	77.19M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.975M	73.285M	75.675M	73.279M	75.6M	73.224M	75.45M	73.14M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4M	4.021M	3.96M	4.015M	4.06M	4.023M	4.02M	4.033M
5775MHz	Pass	500k	77.44M	77.377M	75.9M	77.232M	75.46M	77.289M	77.44M	77.331M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.2M	77.218M	80.64M	77.328M	80.72M	77.272M	80.72M	77.228M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.04M	77.352M	81.44M	77.354M	80.96M	77.155M	80.56M	77.205M
5570MHz	Pass	Inf	164.12M	156.179M	164.12M	156.36M	163.24M	156.191M	163.24M	156.336M
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	22.495M	19.123M	22.605M	19.105M	21.725M	19.086M	23.485M	19.197M
5200MHz	Pass	Inf	21.505M	19.07M	20.79M	19.04M	21.23M	19.082M	20.9M	18.988M
5240MHz	Pass	Inf	21.23M	19.072M	21.01M	19.089M	21.23M	19.008M	21.01M	19.04M
5260MHz	Pass	Inf	21.395M	19.037M	21.065M	19.007M	20.9M	19.044M	21.065M	19.037M
5300MHz	Pass	Inf	21.395M	19.044M	21.175M	18.996M	21.285M	19.026M	21.12M	18.975M
5320MHz	Pass	Inf	21.505M	19.065M	24.31M	19.101M	22.385M	19.134M	25.025M	19.102M
5500MHz	Pass	Inf	23.1M	19.07M	22.715M	19.132M	22.165M	19.088M	22.77M	19.168M
5580MHz	Pass	Inf	21.065M	18.99M	21.01M	19.041M	21.45M	19.024M	21.065M	19.006M
5700MHz	Pass	Inf	21.065M	19.038M	20.9M	18.978M	21.67M	19.015M	20.845M	19.026M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.81M	14.537M	15.75M	14.607M	15.675M	14.551M	15.735M	14.549M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.506M	4.48M	4.496M	4.46M	4.502M	4.48M	4.512M
5745MHz	Pass	500k	19.25M	19.084M	15.785M	19.082M	18.81M	19.092M	18.975M	19.132M
5785MHz	Pass	500k	19.03M	19.069M	18.7M	19.112M	18.15M	19.083M	19.14M	19.04M
5825MHz	Pass	500k	19.03M	19.022M	18.755M	19.054M	19.085M	19.027M	19.03M	19.062M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	56.76M	37.933M	42.35M	37.853M	41.14M	37.85M	40.81M	37.859M
5230MHz	Pass	Inf	40.59M	37.718M	40.26M	37.769M	40.26M	37.729M	39.93M	37.757M
5270MHz	Pass	Inf	39.93M	37.776M	39.6M	37.683M	40.04M	37.733M	40.26M	37.687M
5310MHz	Pass	Inf	47.96M	37.878M	46.97M	37.919M	43.89M	37.92M	41.8M	37.778M
5510MHz	Pass	Inf	41.91M	37.877M	42.24M	37.833M	43.23M	37.8M	53.35M	37.861M
5550MHz	Pass	Inf	39.82M	37.703M	39.27M	37.654M	39.93M	37.674M	40.04M	37.757M
5670MHz	Pass	Inf	40.04M	37.614M	40.04M	37.765M	40.15M	37.776M	39.6M	37.772M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.14M	33.721M	35M	33.771M	35.245M	33.774M	34.895M	33.812M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	4.027M	3.62M	4.005M	3.78M	4.005M	3.76M	4.01M
5755MHz	Pass	500k	36.85M	37.862M	35.42M	37.802M	37.4M	37.843M	36.85M	37.84M
5795MHz	Pass	500k	37.73M	37.78M	37.51M	37.756M	37.29M	37.828M	37.18M	37.824M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	91.74M	77.29M	86.24M	77.263M	83.82M	77.359M	84.7M	77.16M
5290MHz	Pass	Inf	87.78M	77.267M	83.6M	77.253M	86.02M	77.356M	82.94M	77.46M
5530MHz	Pass	Inf	85.58M	77.191M	87.56M	77.3M	86.46M	77.276M	86.9M	77.295M
5610MHz	Pass	Inf	81.18M	77.084M	80.74M	77.093M	81.62M	77.328M	80.74M	77.152M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.6M	73.215M	75.675M	73.371M	75.75M	73.233M	75.525M	73.24M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.72M	4.038M	3.96M	4.047M	3.78M	4.029M	3.48M	4.044M
5775MHz	Pass	500k	76.34M	77.343M	76.12M	77.537M	76.56M	77.418M	75.46M	77.344M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.64M	77.225M	80.72M	77.297M	80.64M	77.089M	81.36M	77.381M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.36M	77.182M	80.72M	77.25M	80.96M	77.303M	81.04M	77.32M
5570MHz	Pass	Inf	163.24M	156.242M	163.68M	156.03M	162.8M	155.887M	163.24M	156.3M

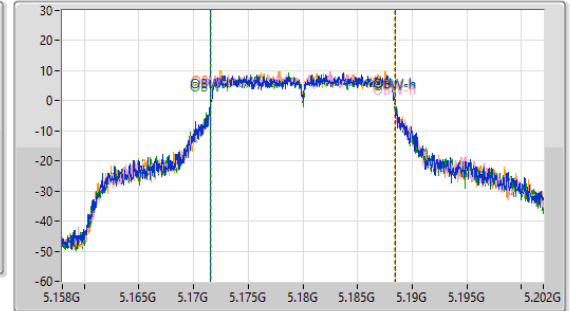
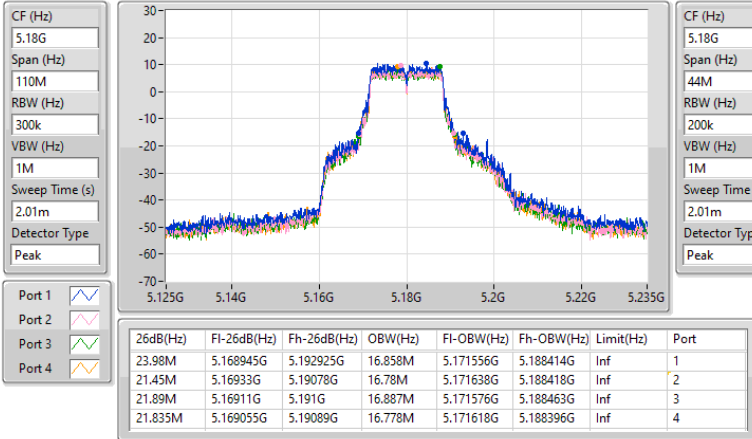
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

15/11/2024

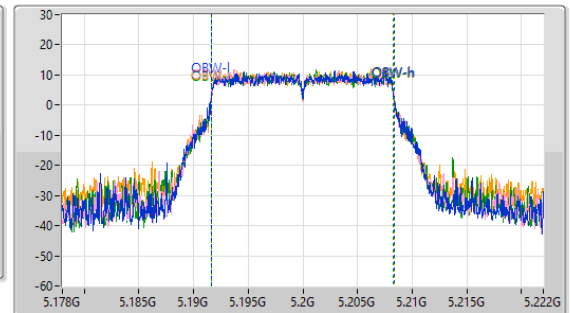
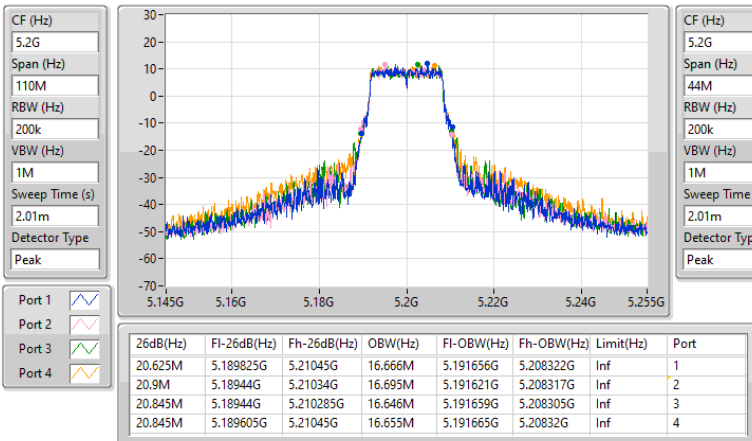


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5200MHz

15/11/2024

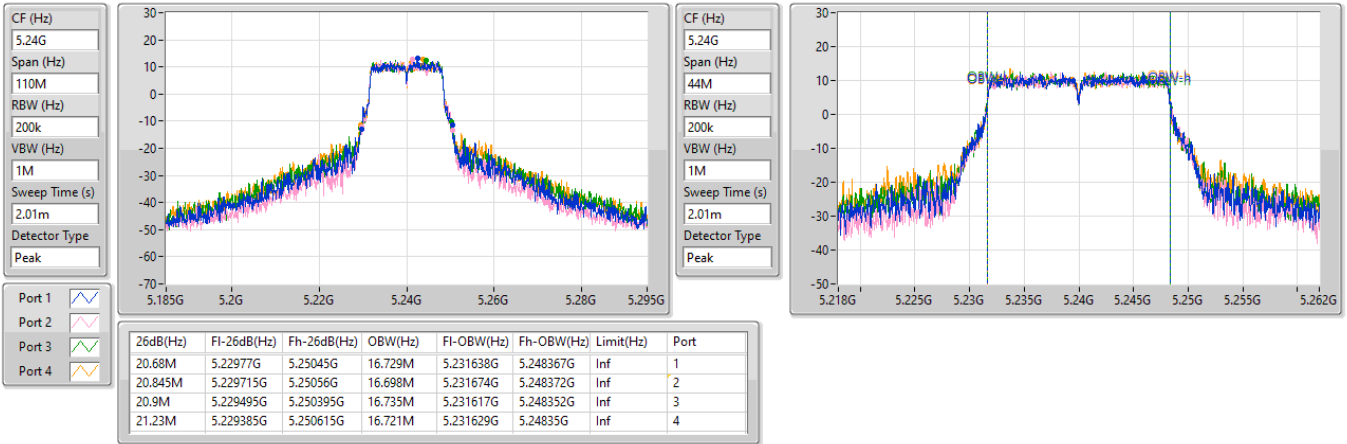


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

15/11/2024

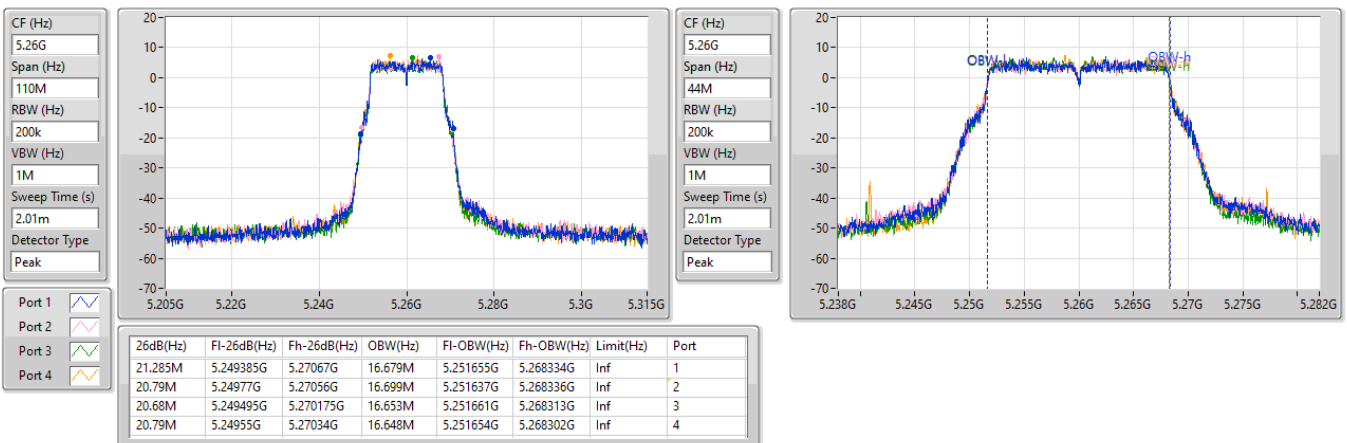


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

15/11/2024

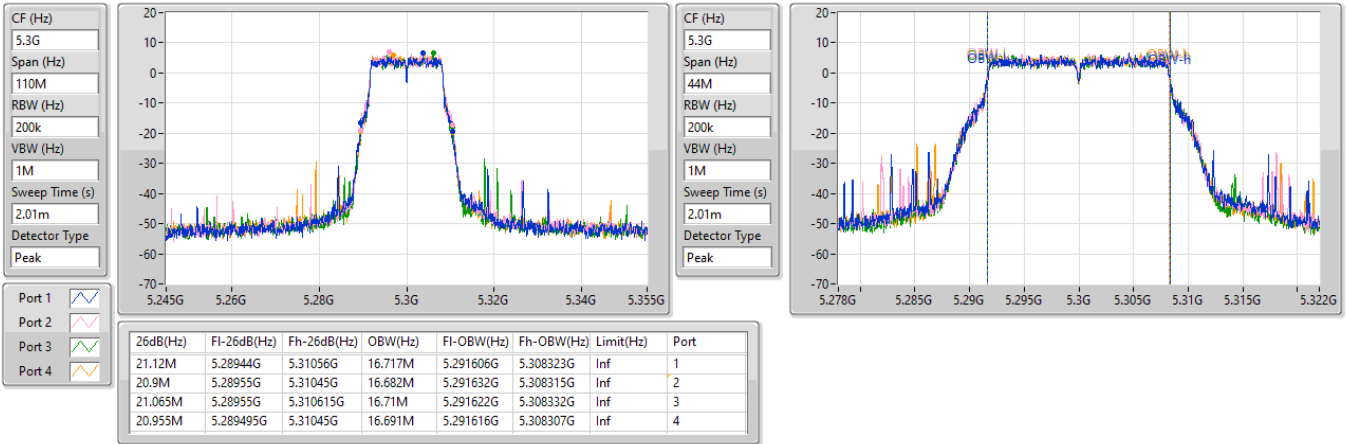


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

15/11/2024

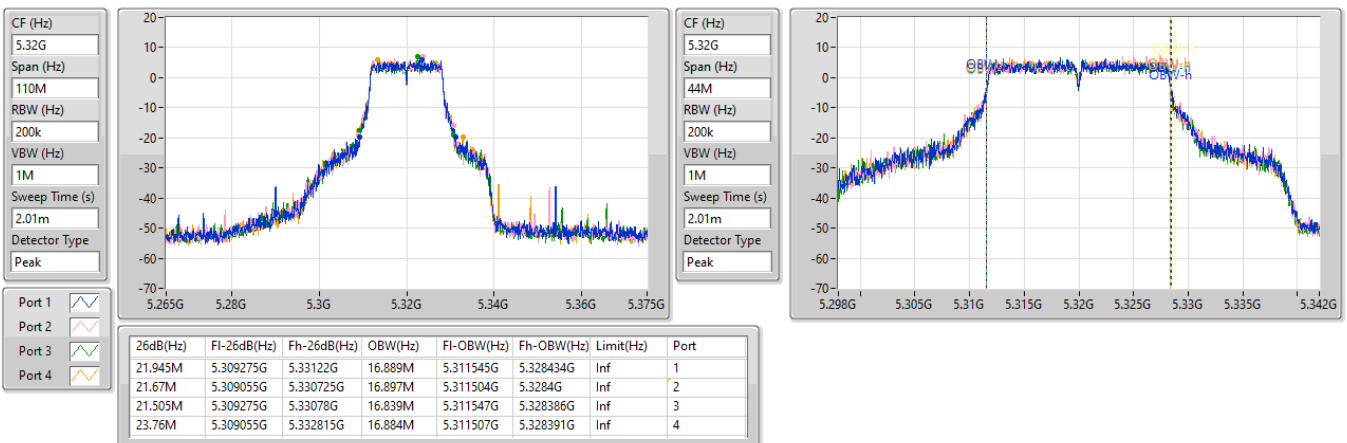


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

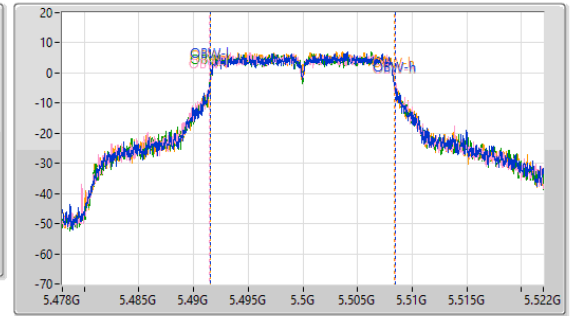
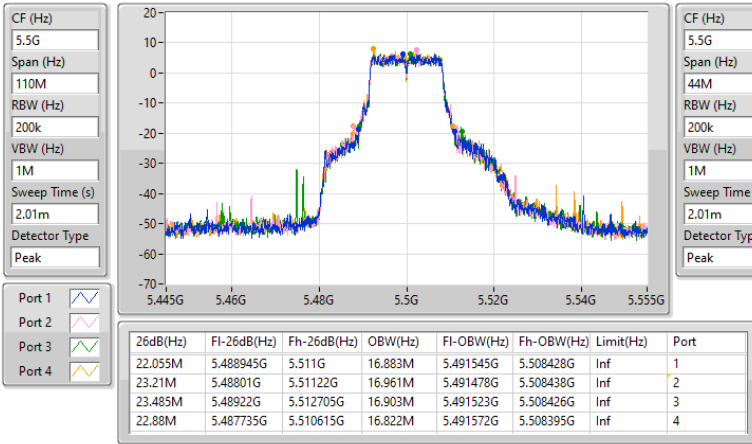
5320MHz

15/11/2024

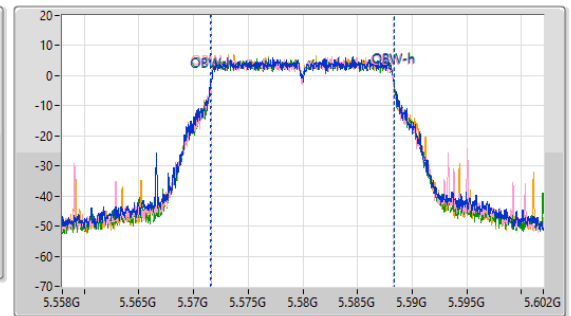
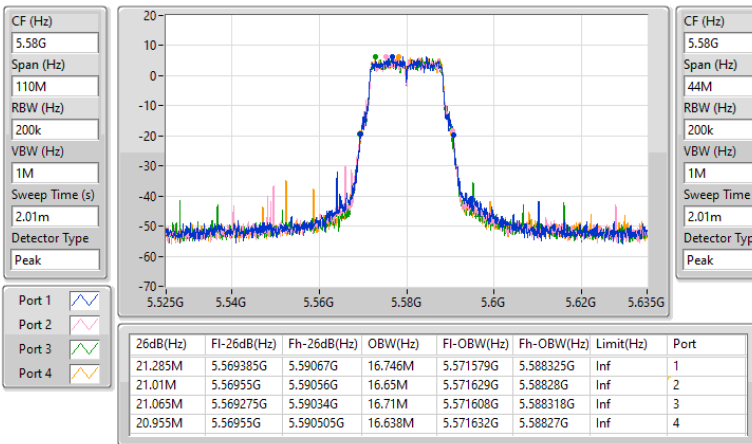


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5500MHz

15/11/2024


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5580MHz

15/11/2024

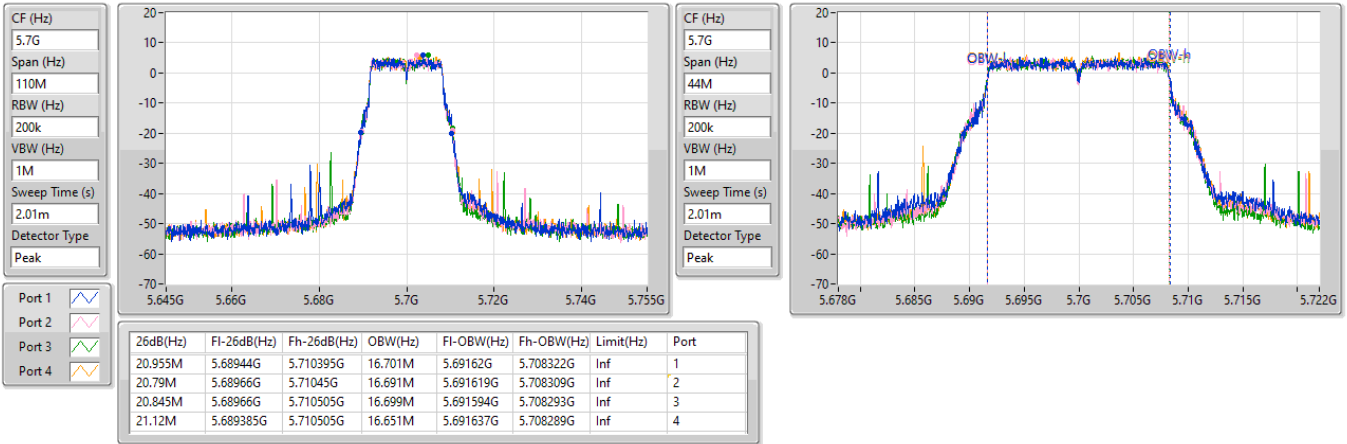


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

15/11/2024

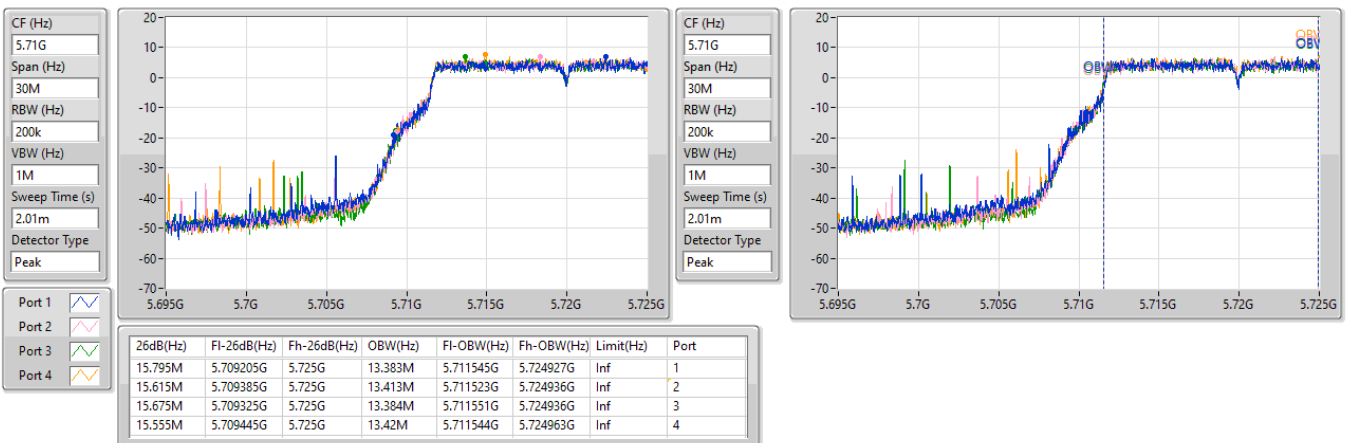


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

15/11/2024

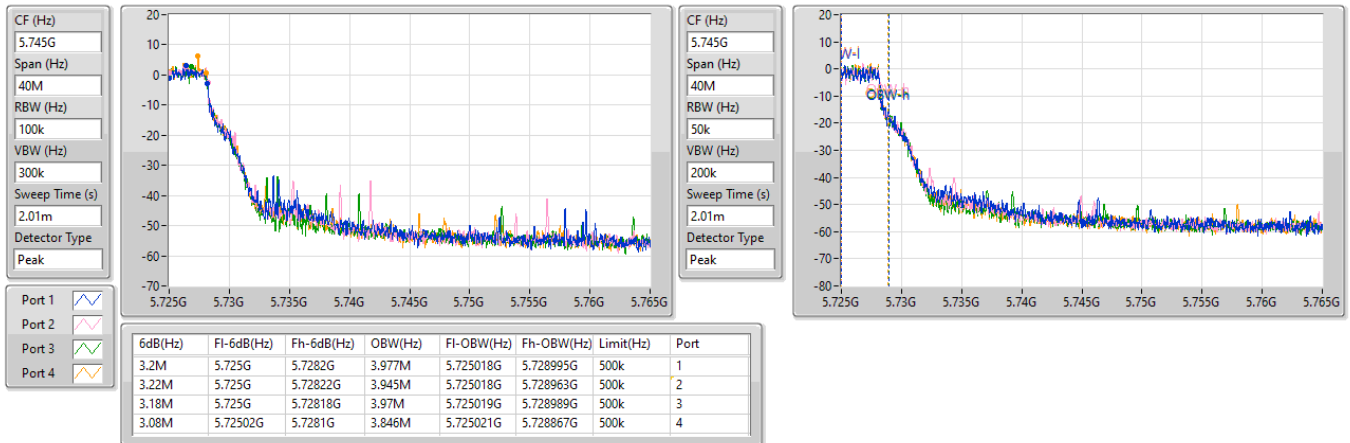


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

15/11/2024

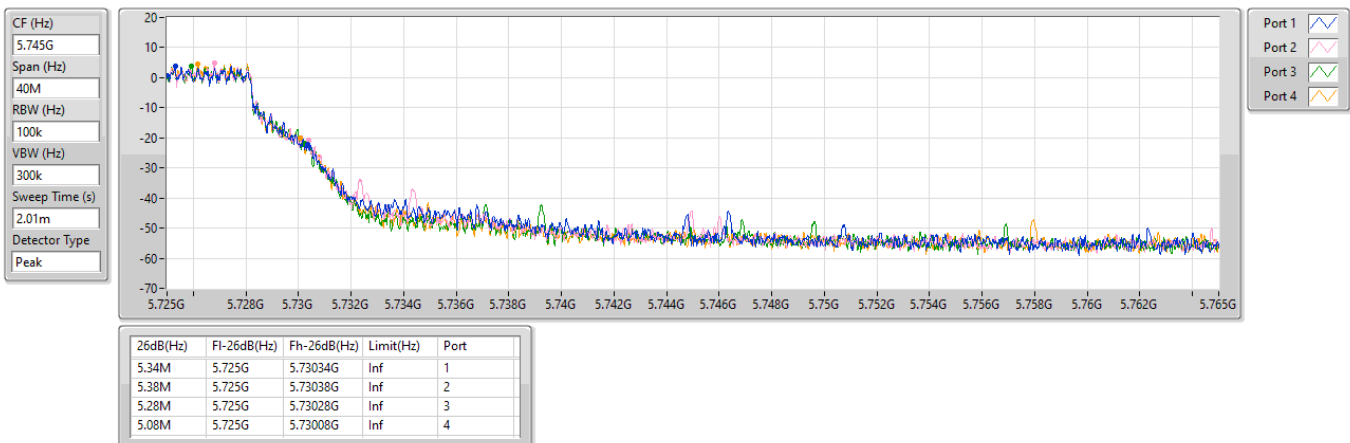


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

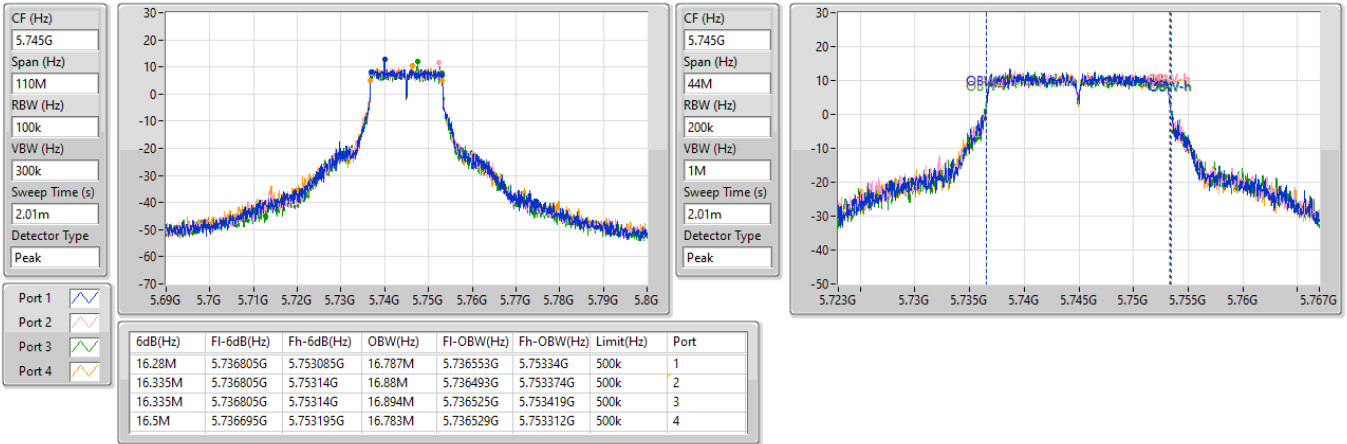
5720MHz Straddle 5.725-5.85GHz

15/11/2024

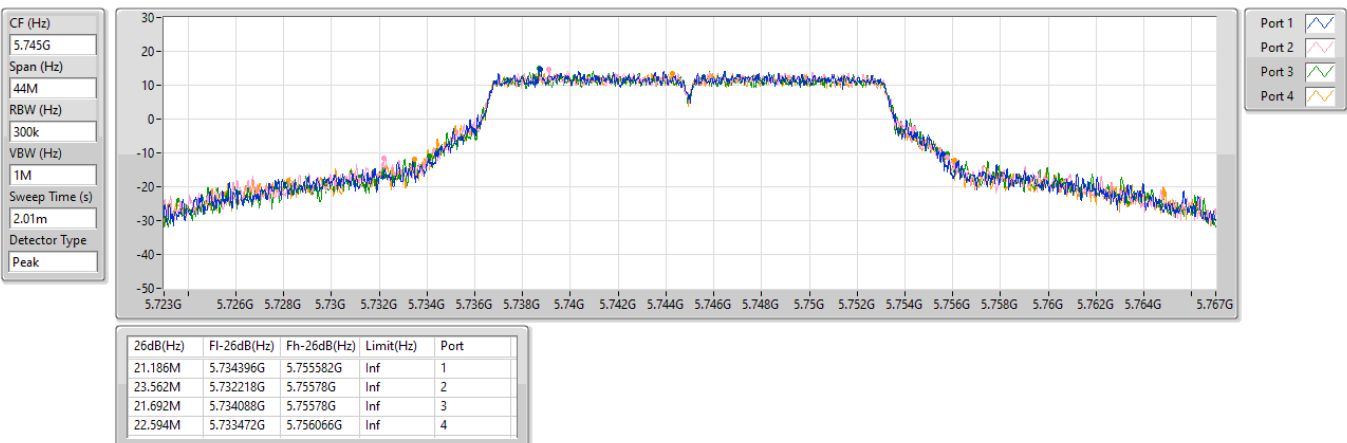


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5745MHz

15/11/2024


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5745MHz

15/11/2024

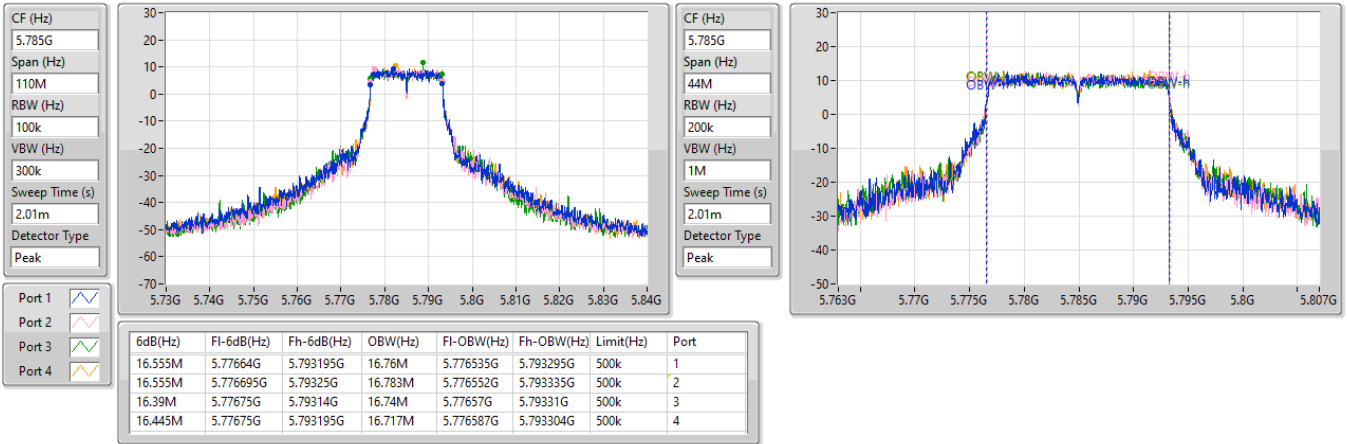


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

15/11/2024

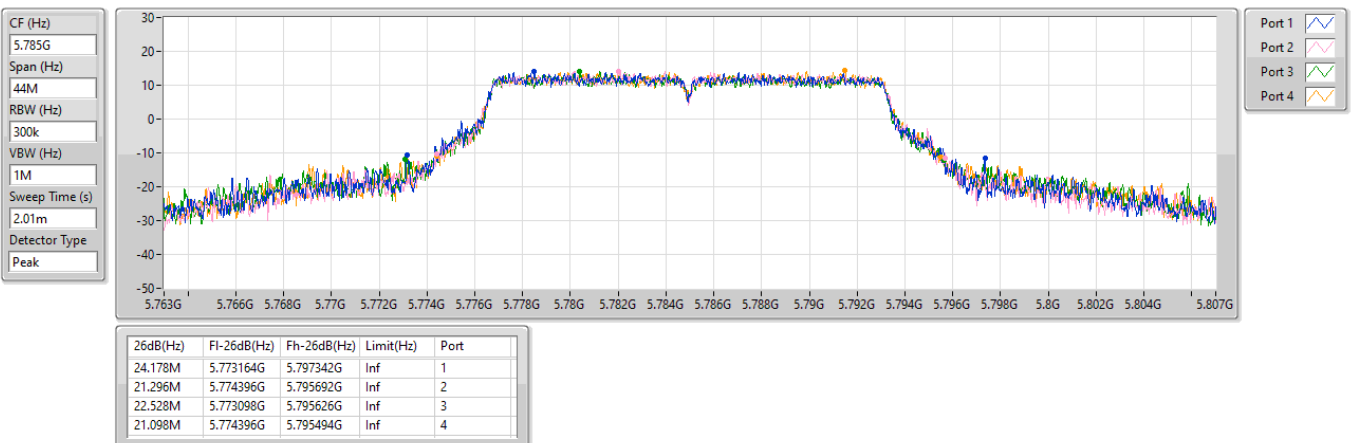


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

15/11/2024

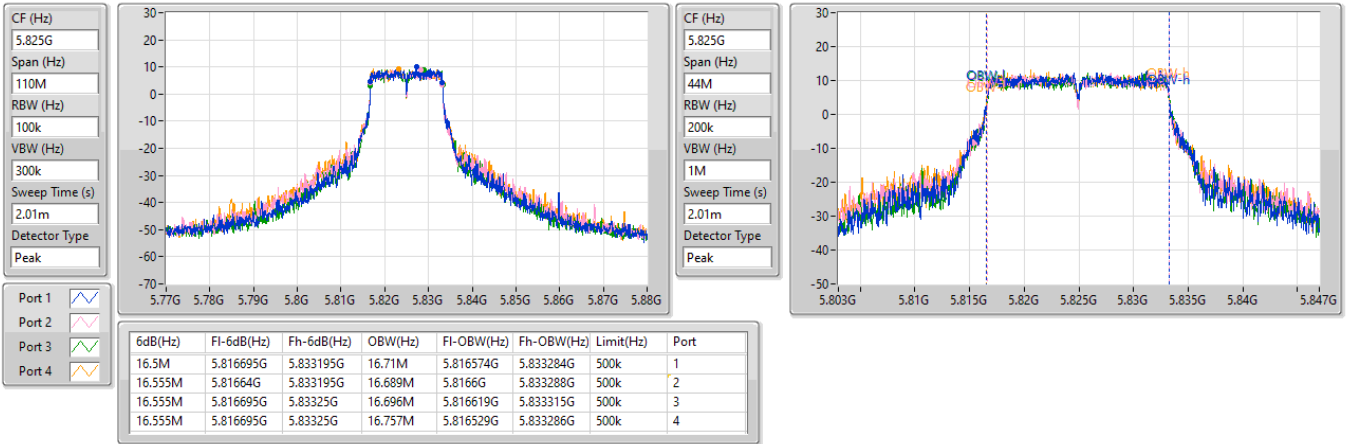


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

15/11/2024

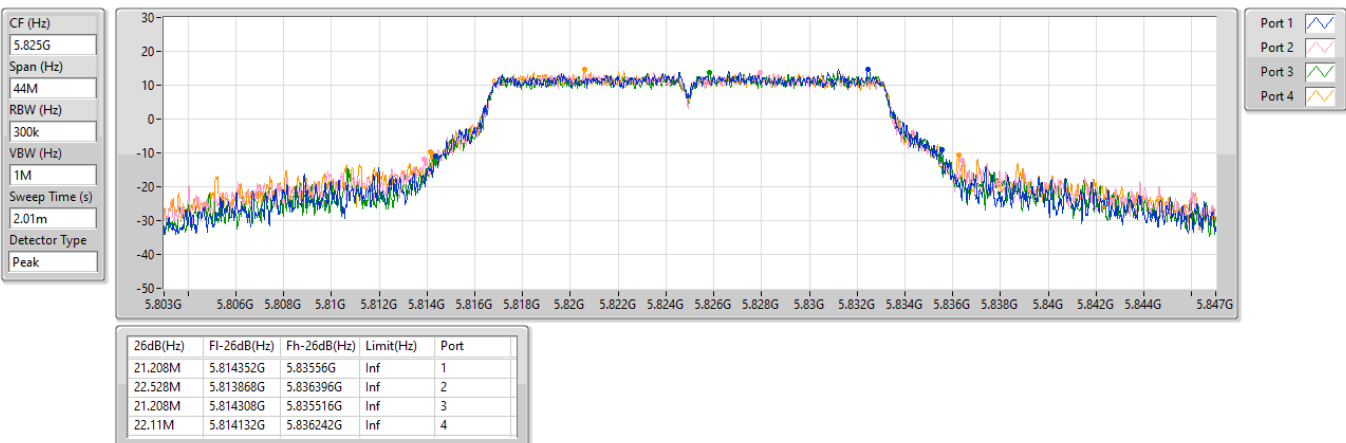


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

15/11/2024

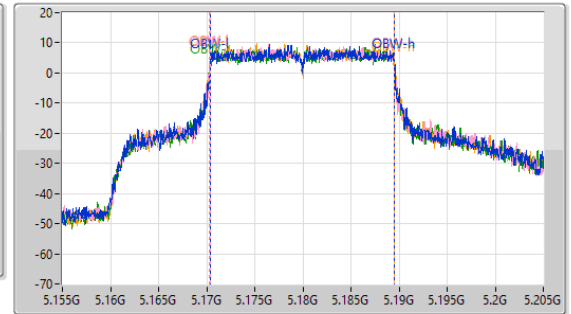
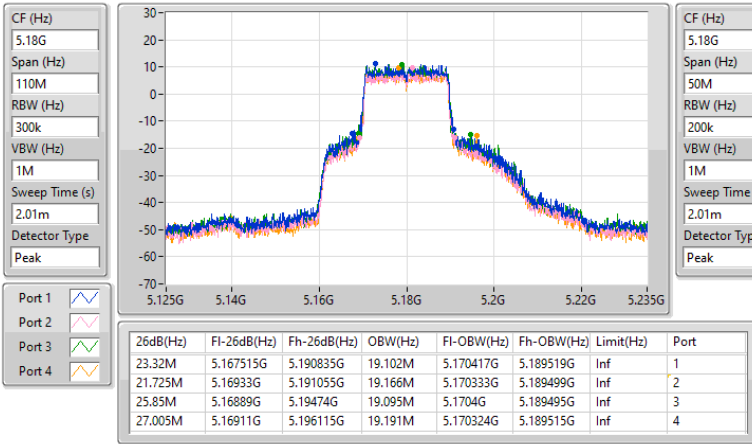


5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5180MHz

15/11/2024

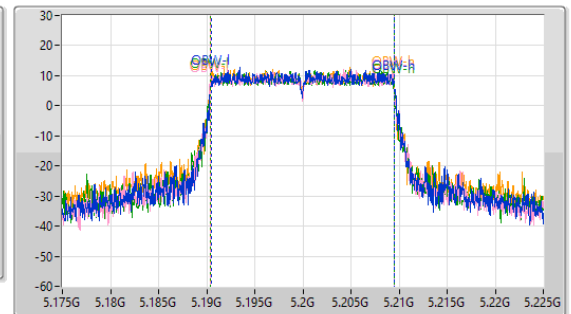
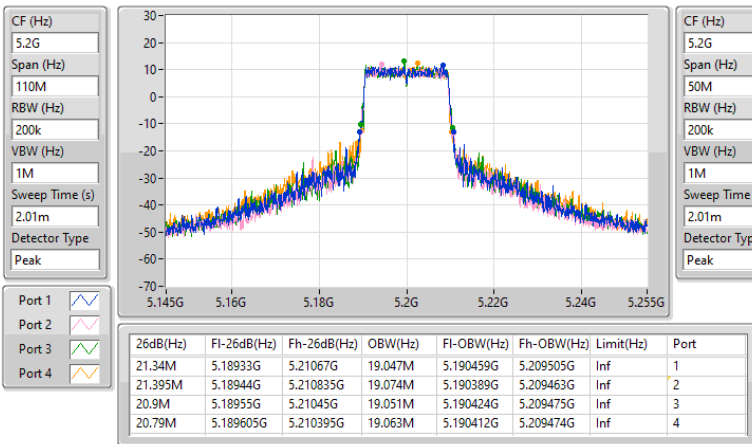


5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

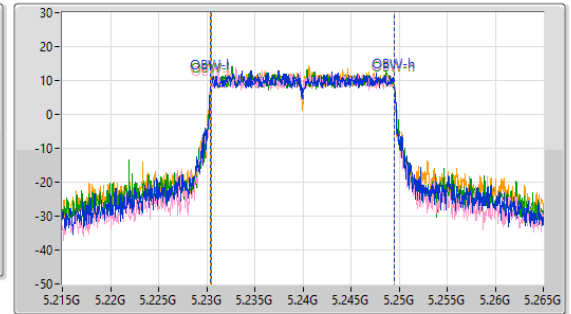
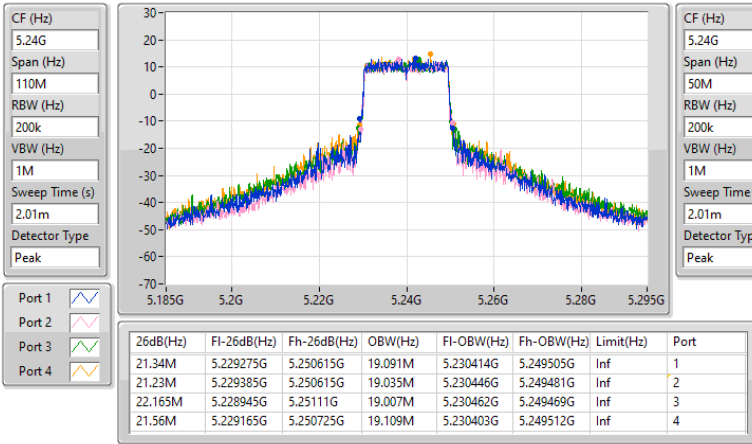
5200MHz

15/11/2024

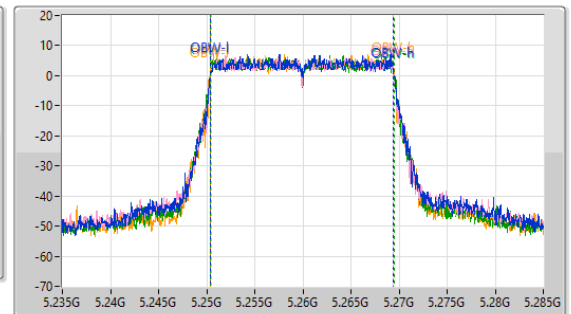
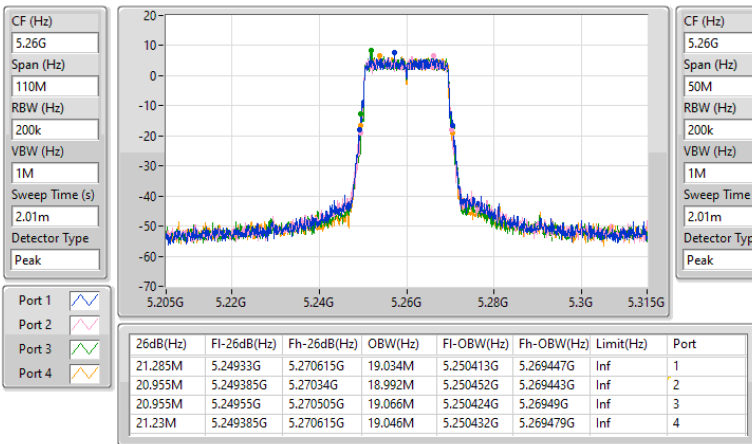


5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX
EBW
5240MHz

15/11/2024


5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX
EBW
5260MHz

15/11/2024

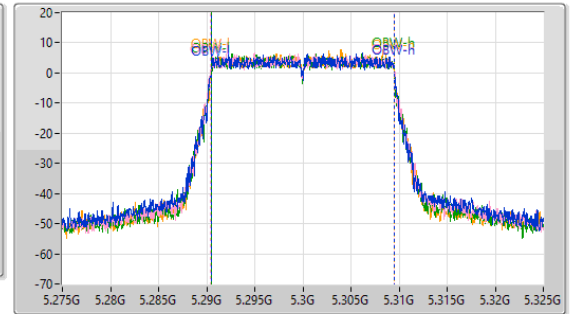
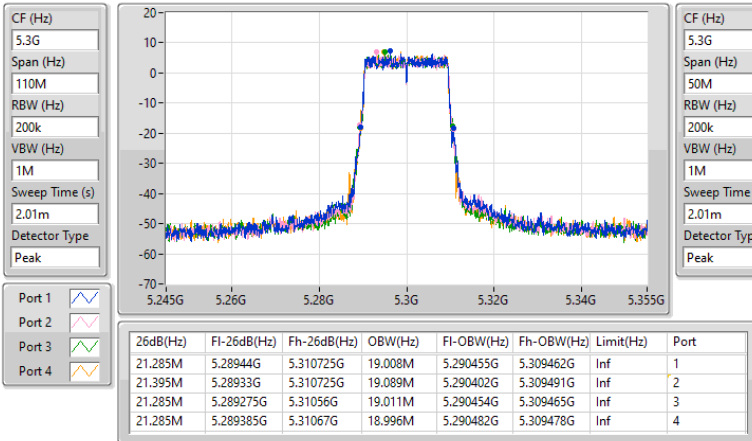


5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

15/11/2024

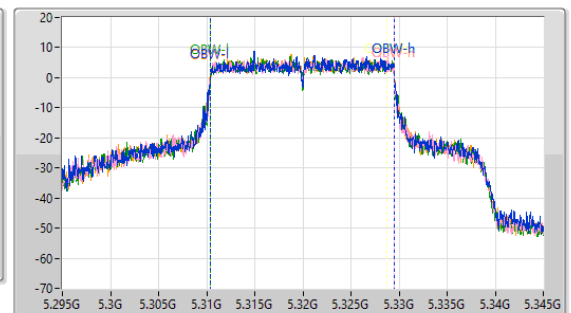
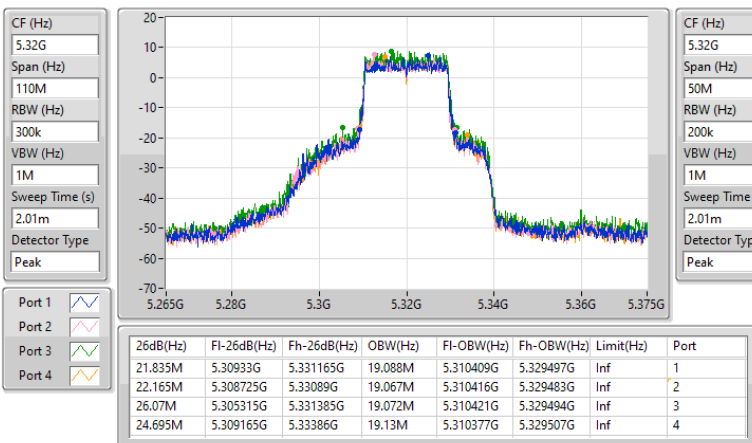


5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

15/11/2024

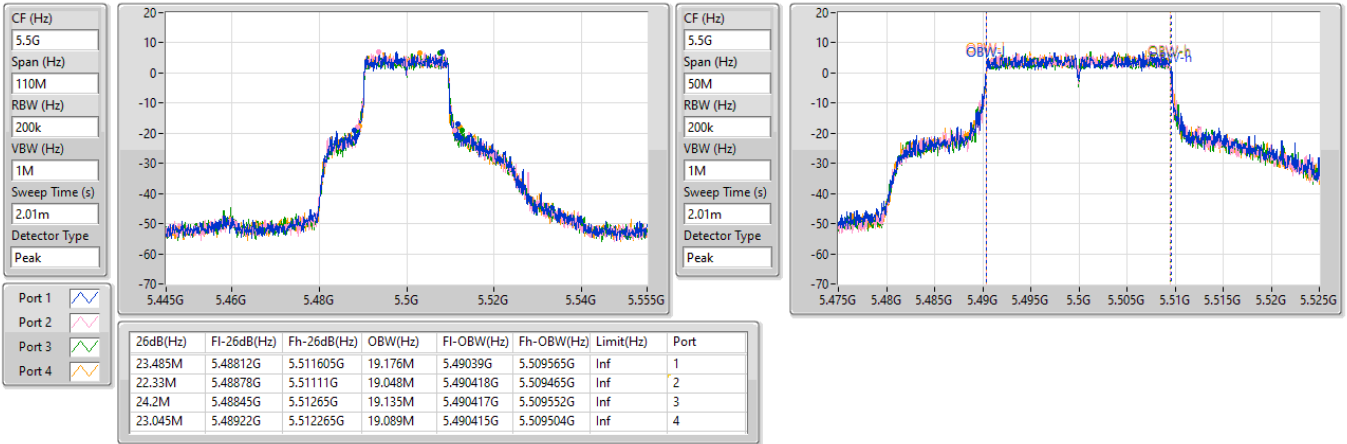


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

15/11/2024

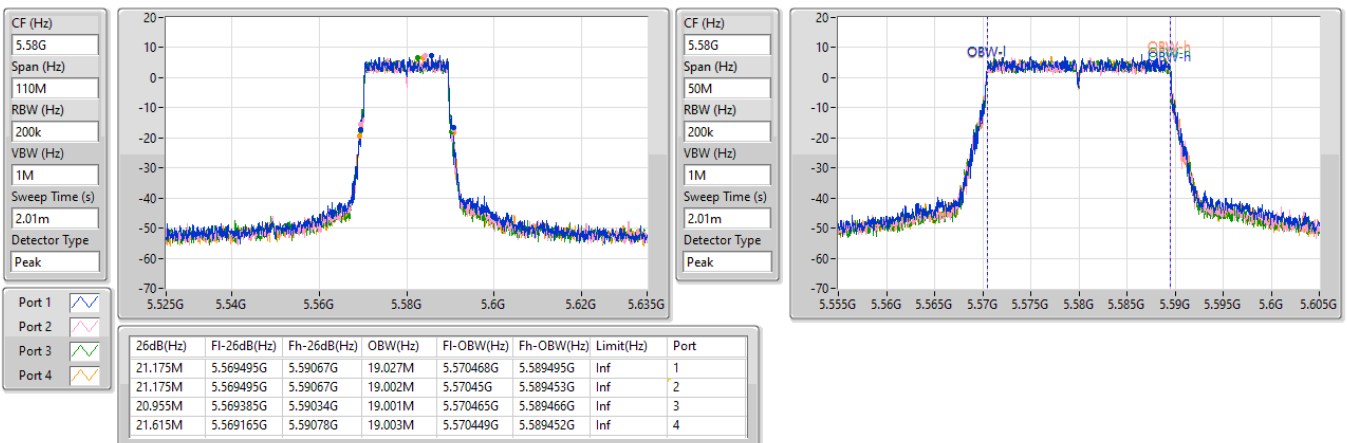


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

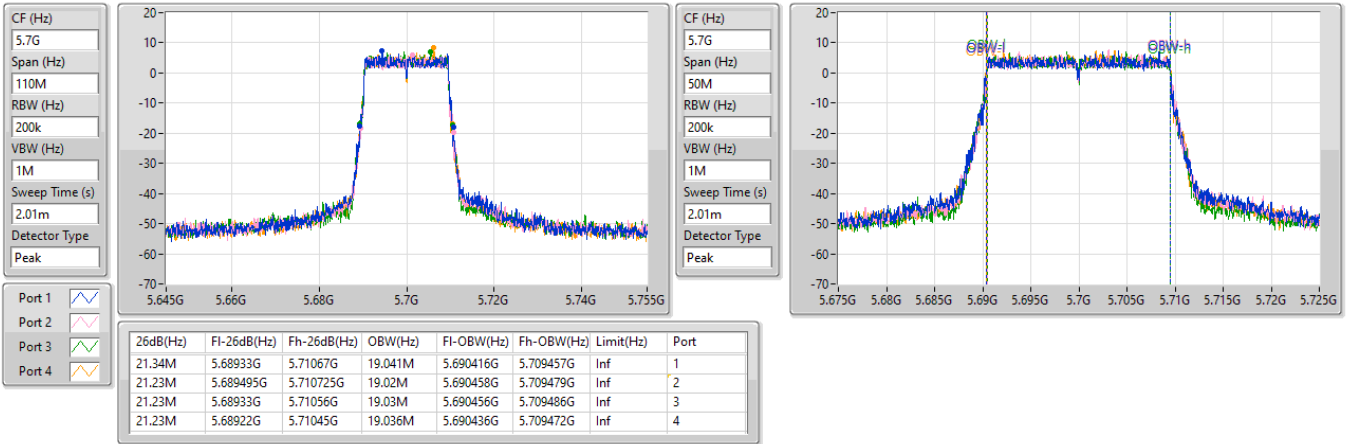
5580MHz

15/11/2024

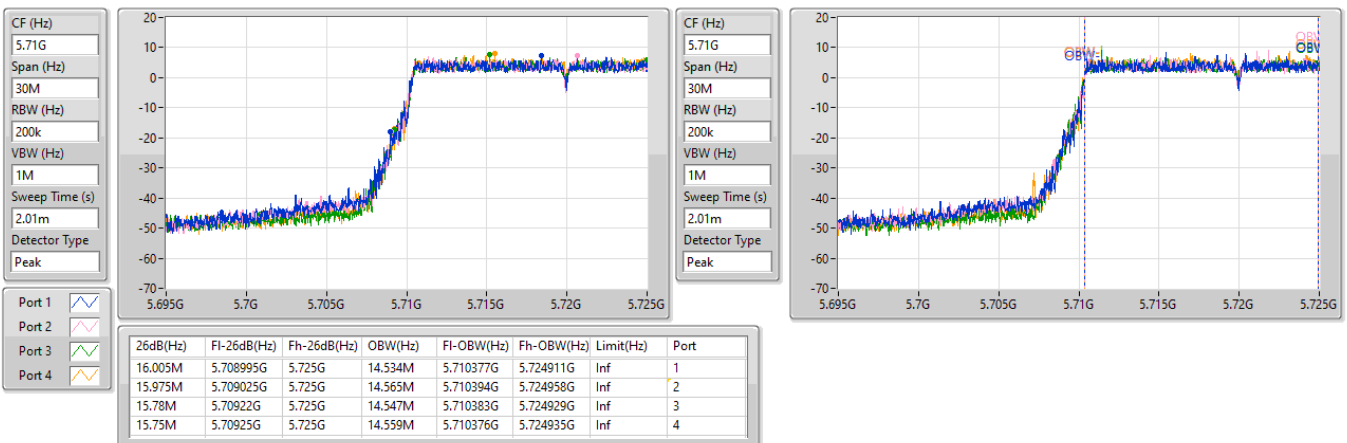


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX
EBW
5700MHz

15/11/2024


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

15/11/2024

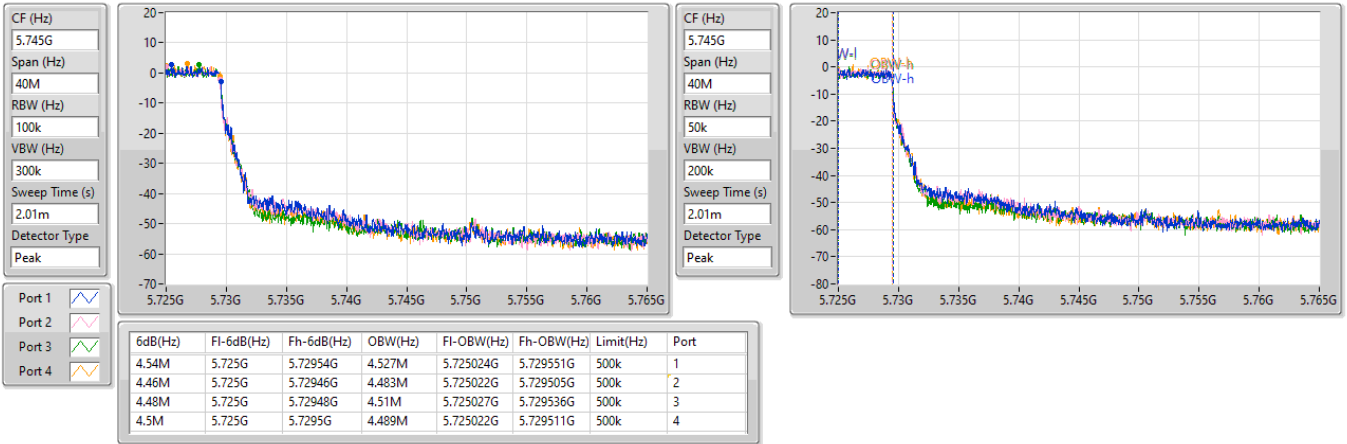


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

15/11/2024

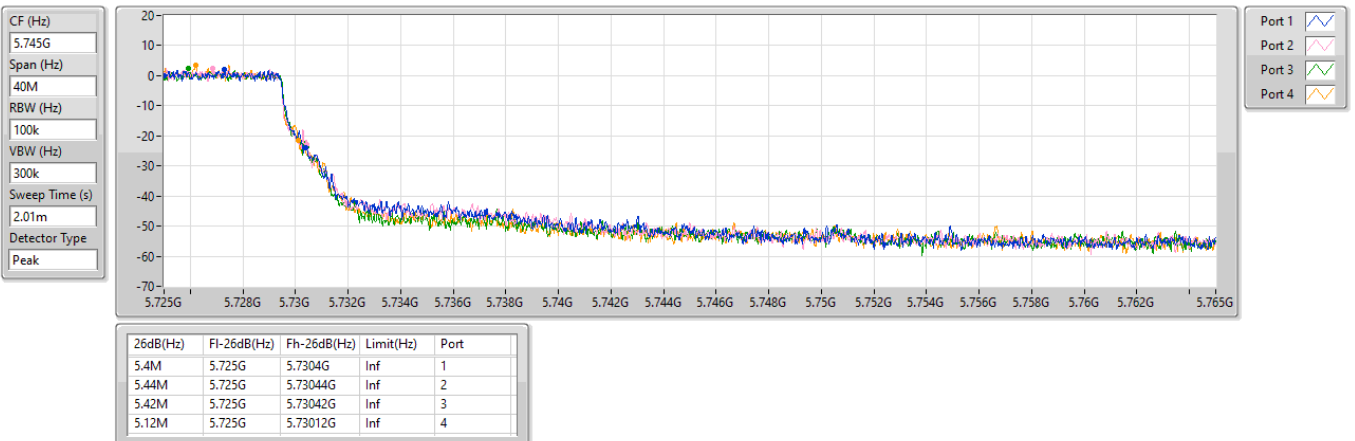


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

15/11/2024

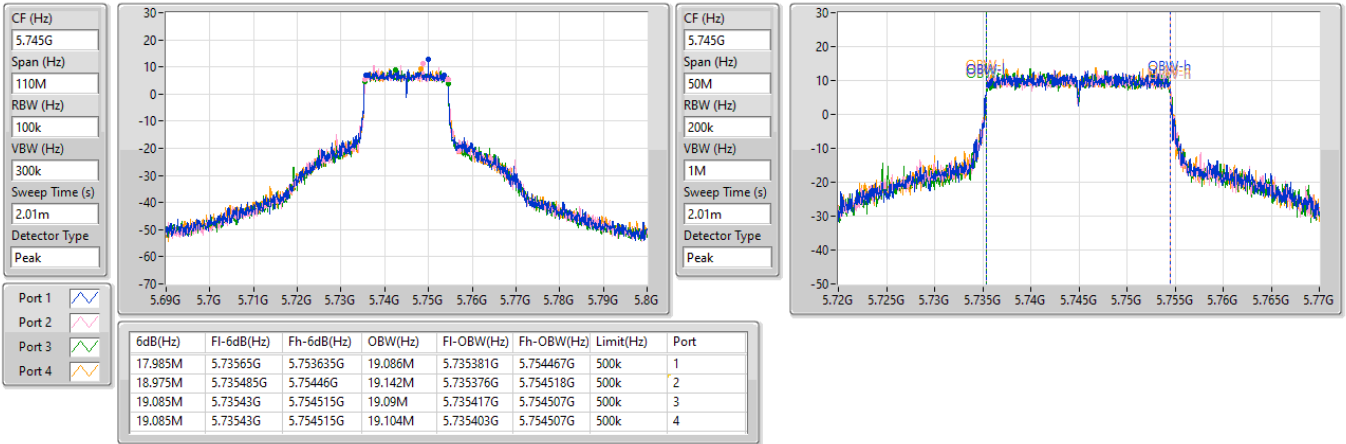


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5745MHz

15/11/2024

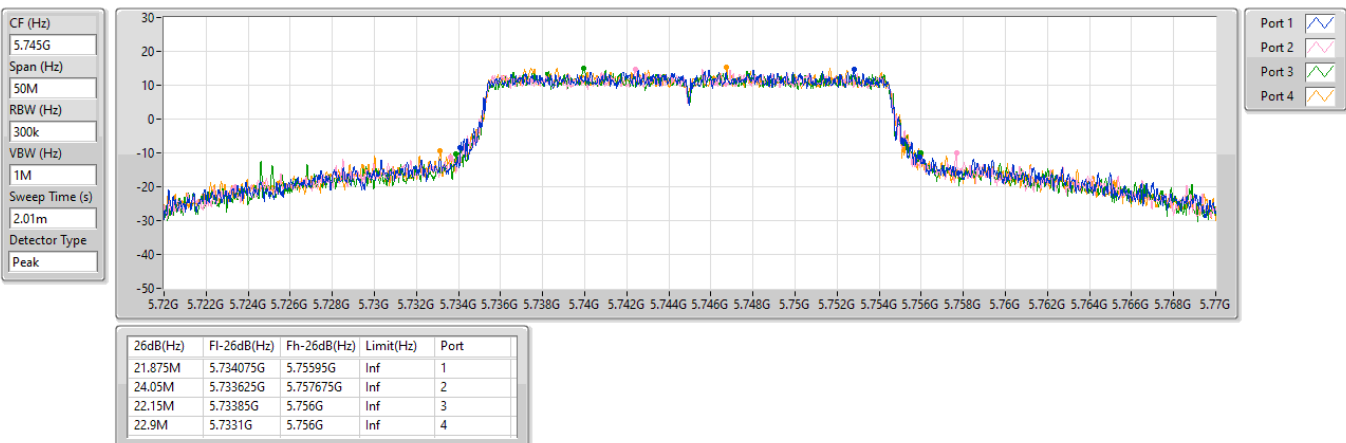


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

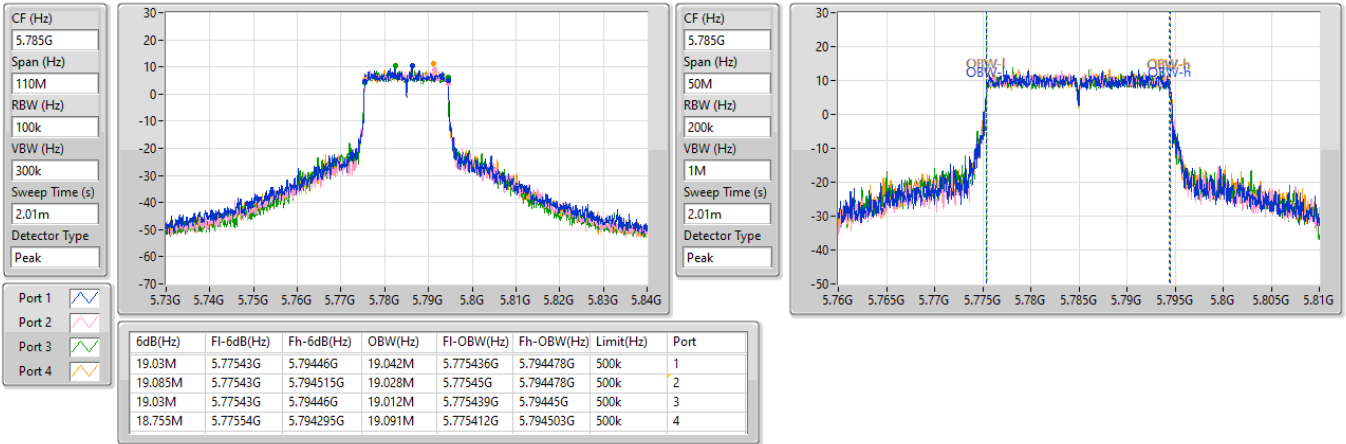
5745MHz

15/11/2024



5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX
EBW
5785MHz

15/11/2024


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX
EBW
5785MHz

15/11/2024

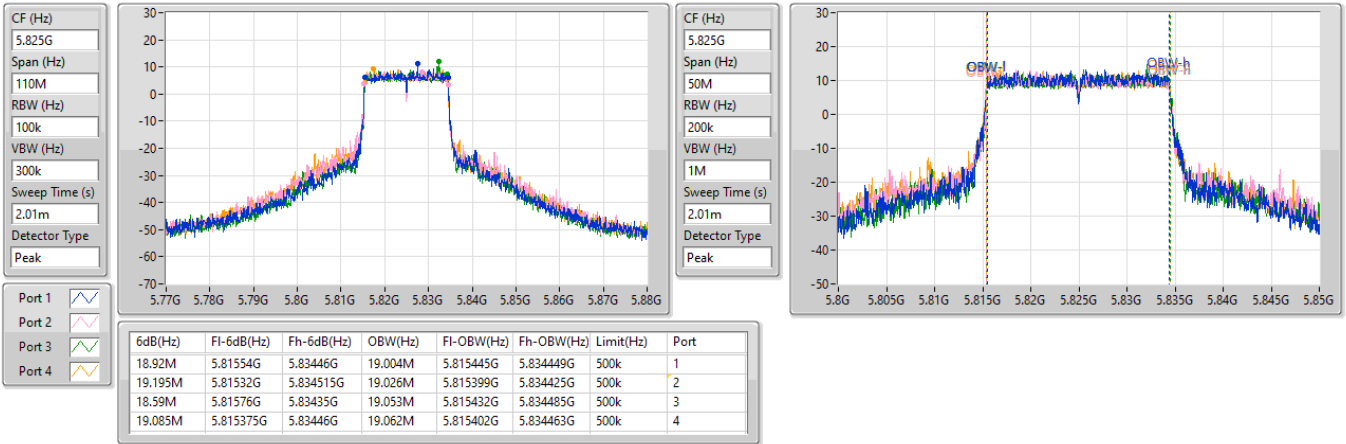


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5825MHz

15/11/2024

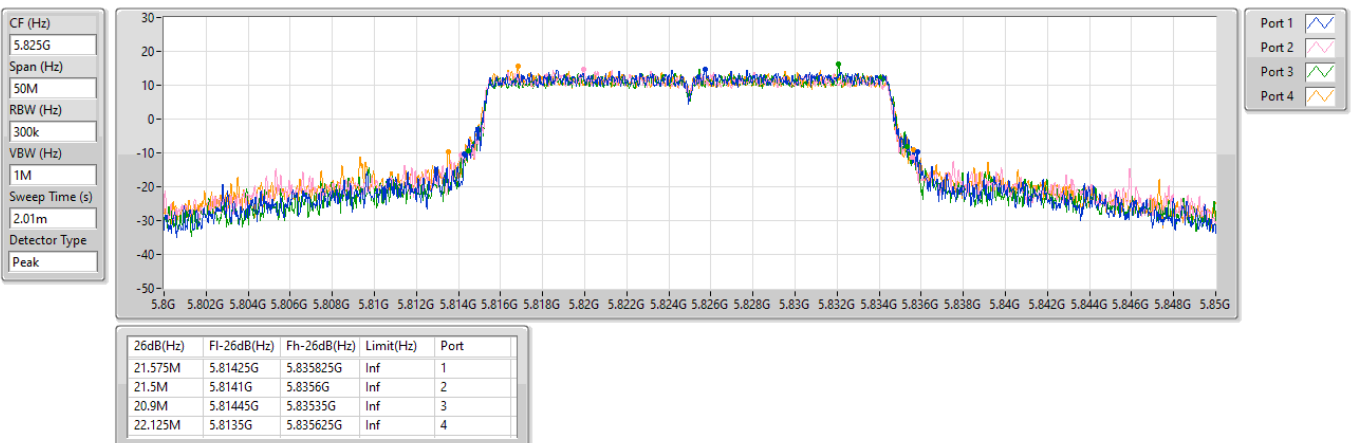


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5825MHz

15/11/2024

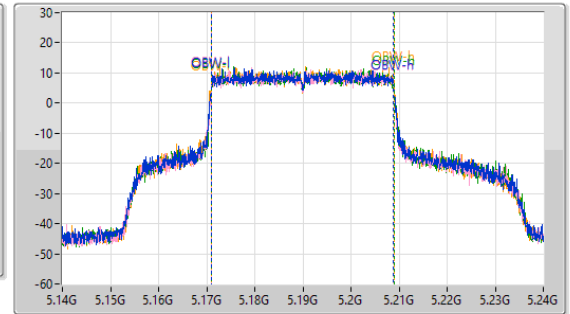
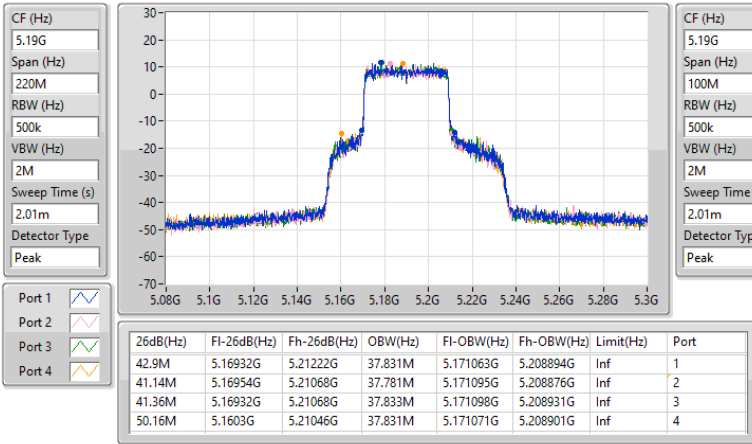


5.15-5.25GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5190MHz

15/11/2024

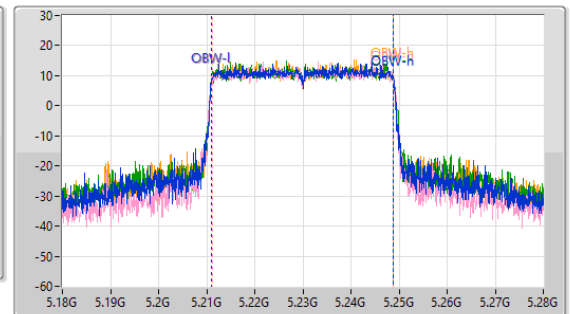
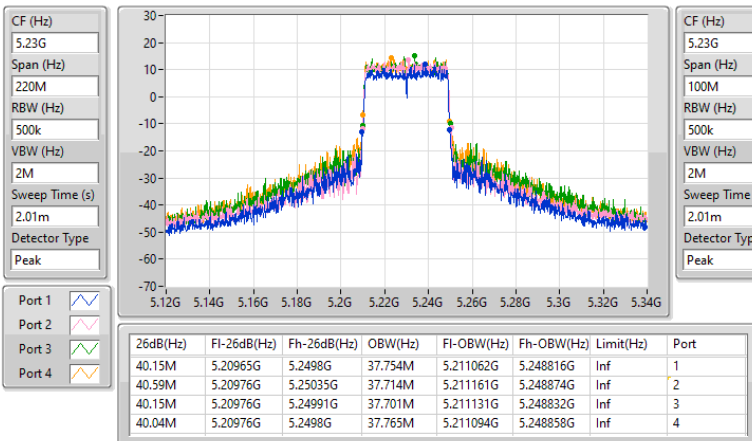


5.15-5.25GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5230MHz

15/11/2024

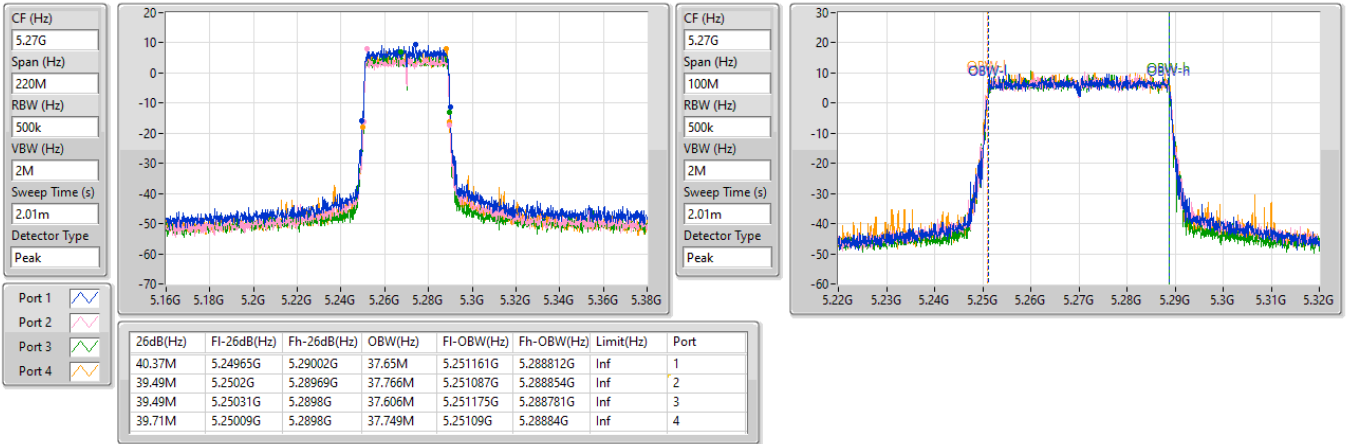


5.25-5.35GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

15/11/2024

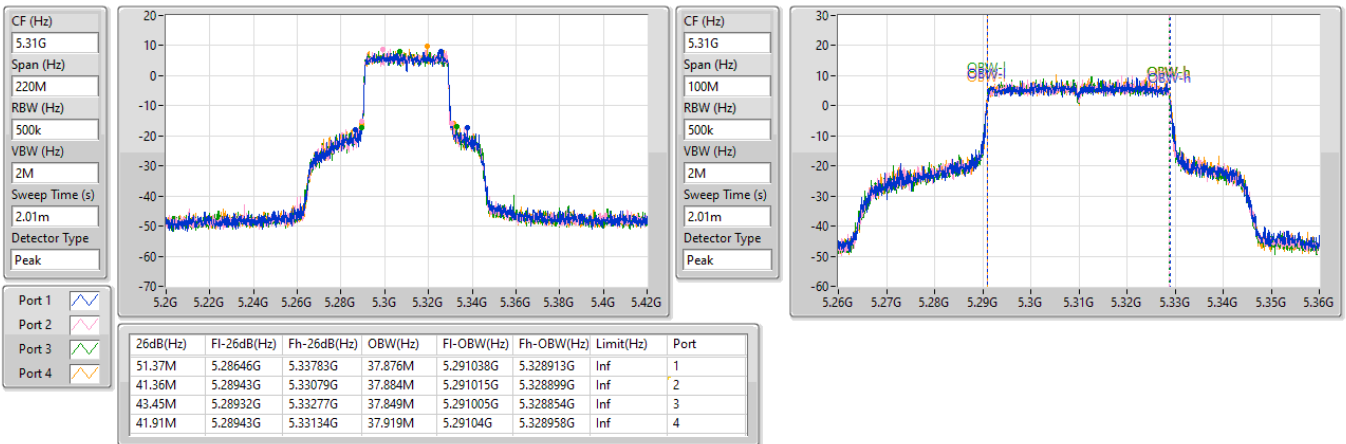


5.25-5.35GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

15/11/2024

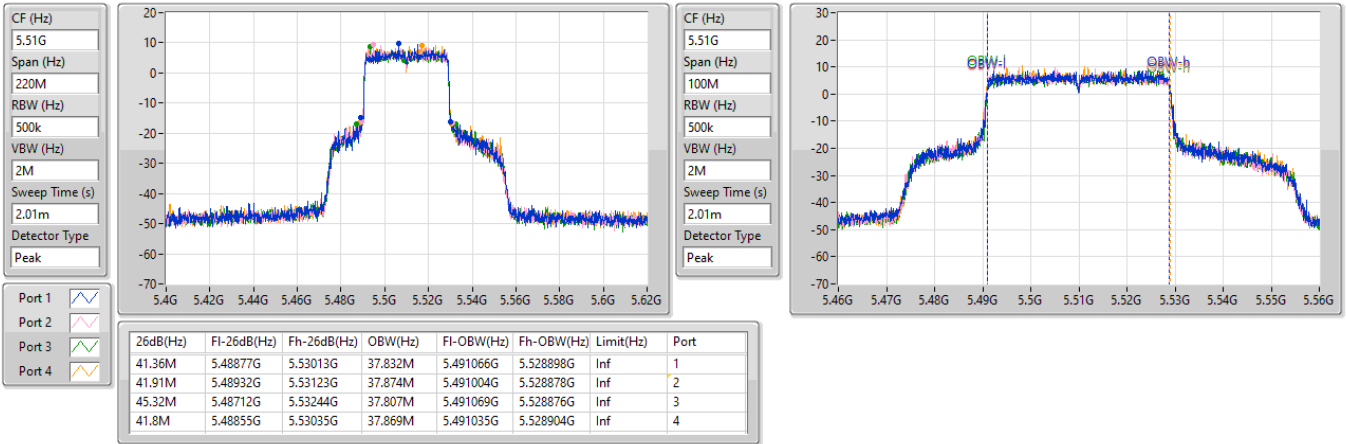


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

15/11/2024

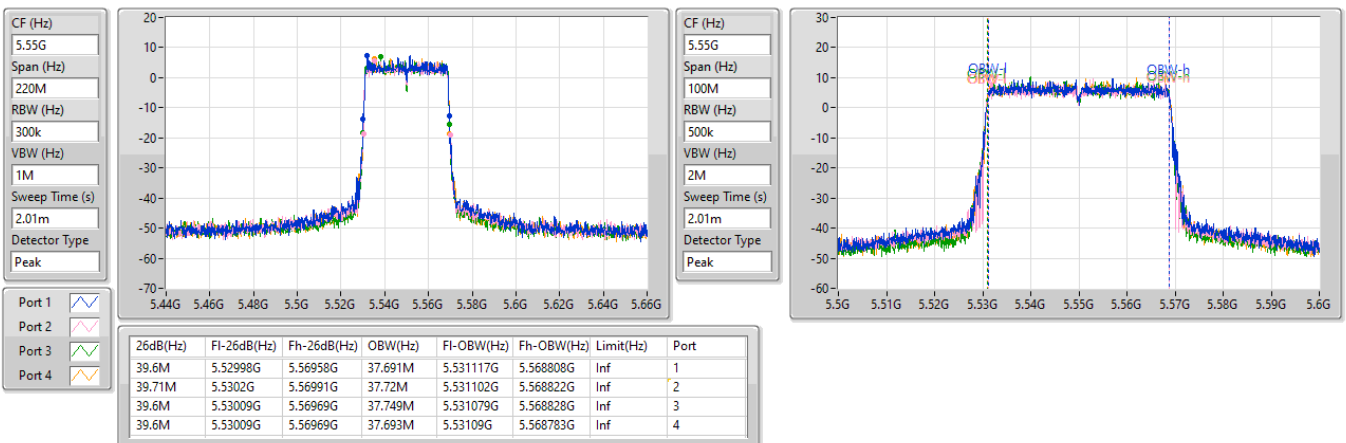


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

15/11/2024

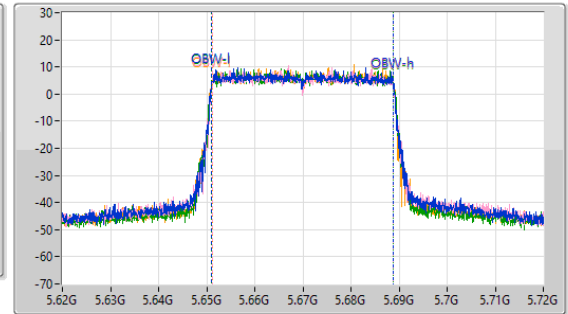
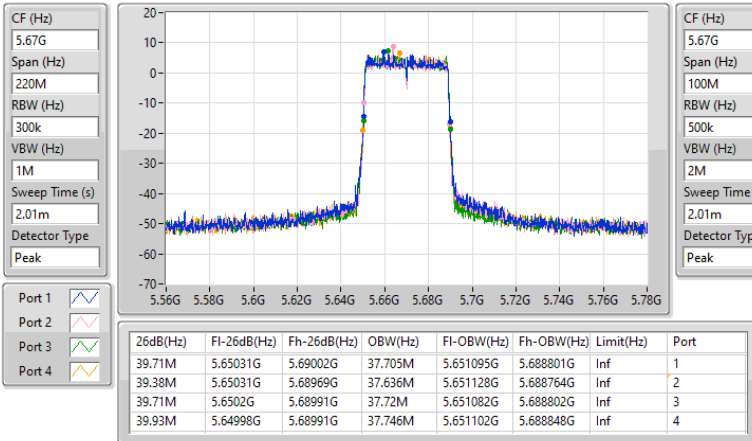


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

15/11/2024

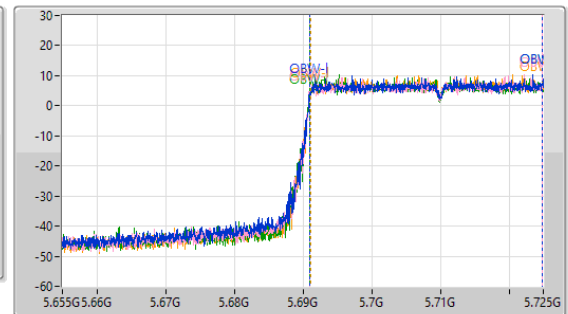
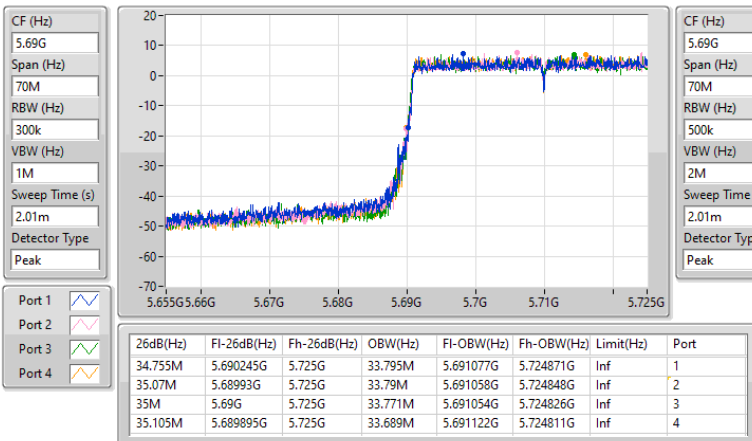


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

15/11/2024

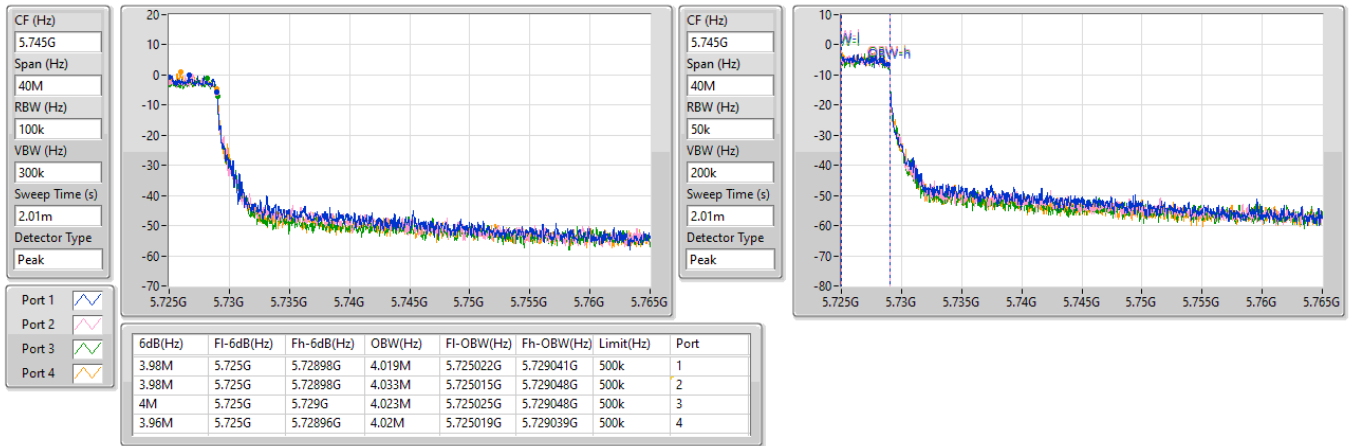


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

15/11/2024

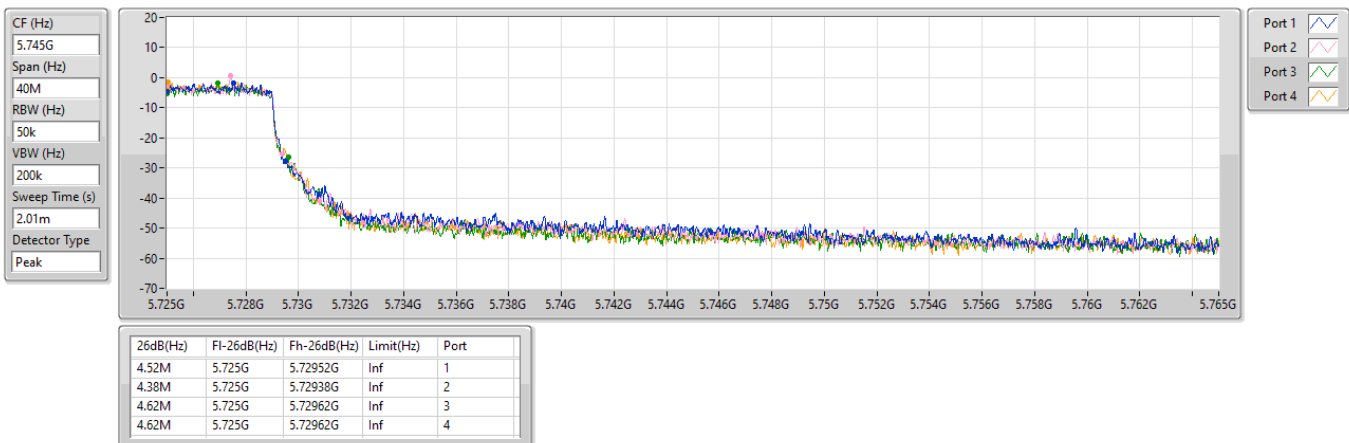


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

15/11/2024

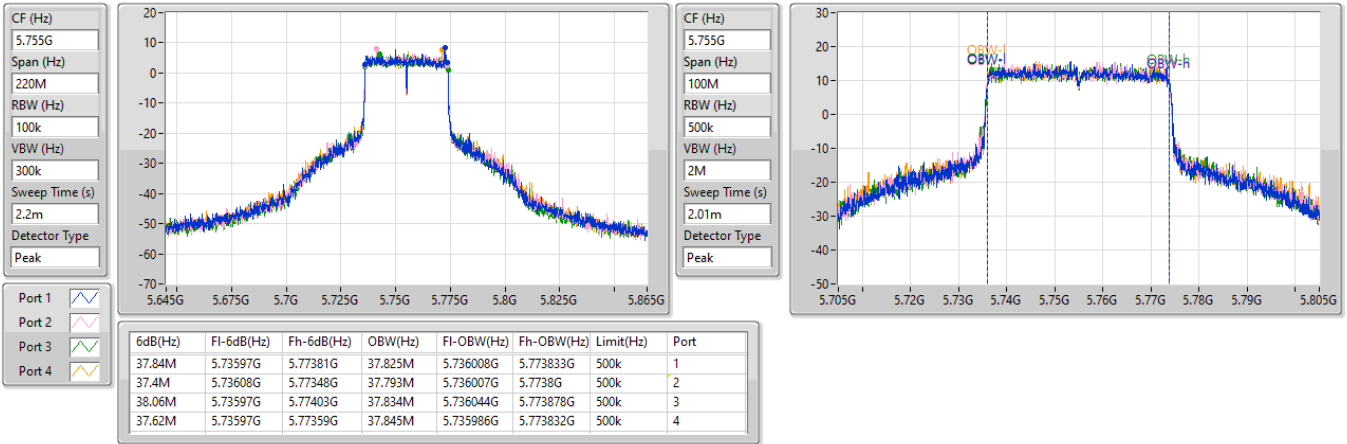


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5755MHz

15/11/2024

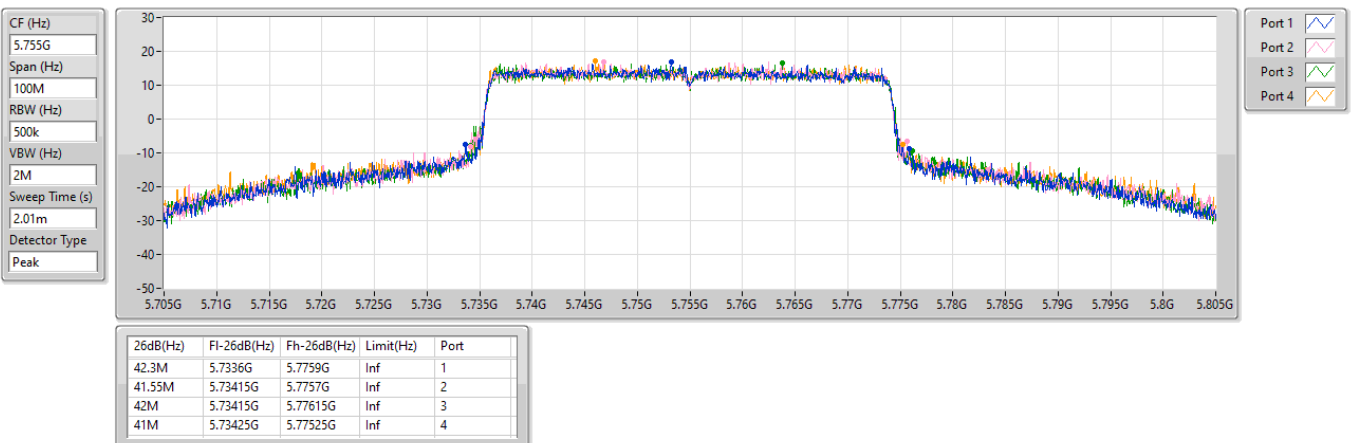


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5755MHz

15/11/2024

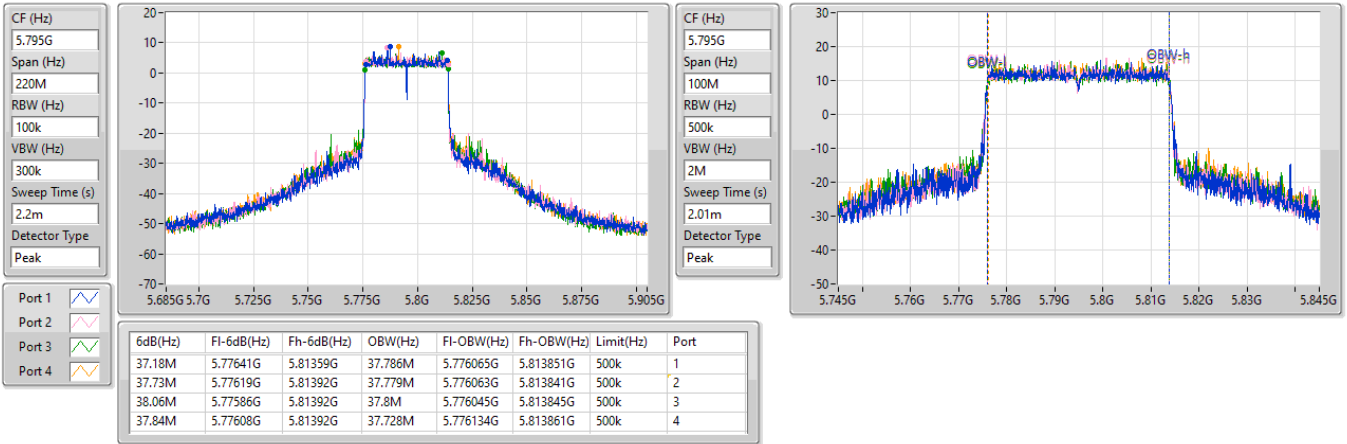


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5795MHz

15/11/2024

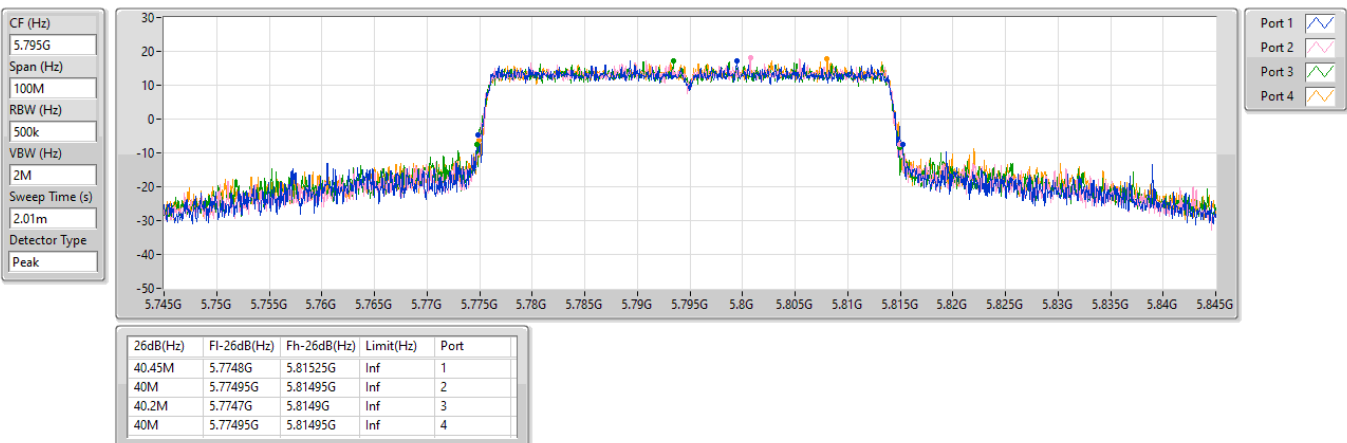


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5795MHz

15/11/2024

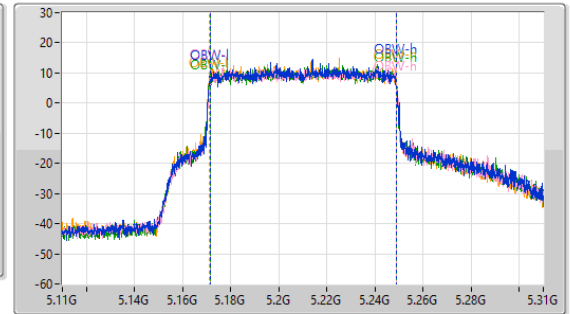
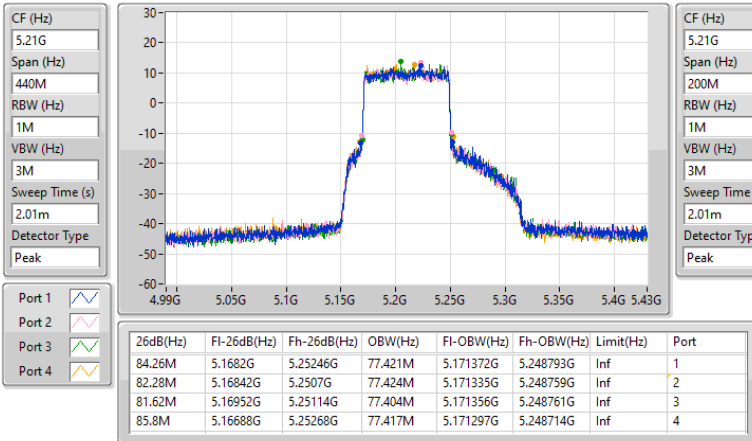


5.15-5.25GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5210MHz

15/11/2024

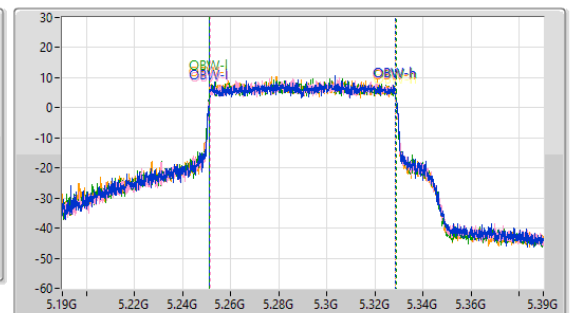
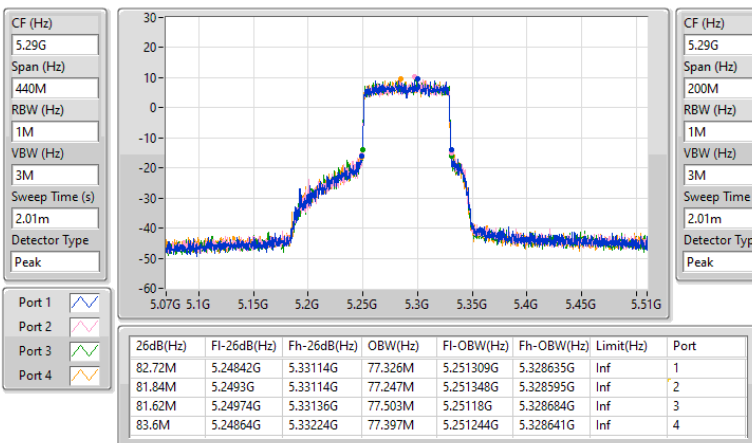


5.25-5.35GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

15/11/2024

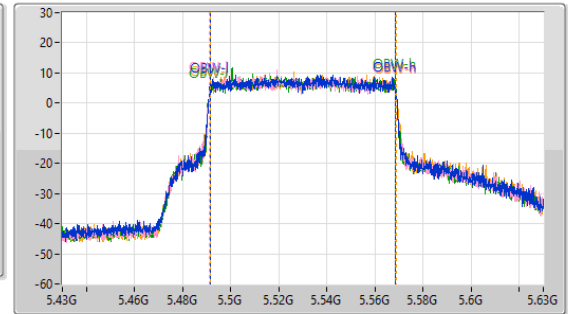
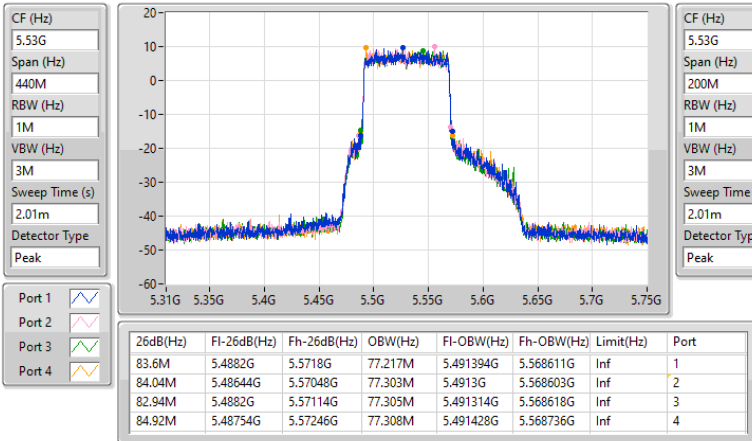


5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

15/11/2024

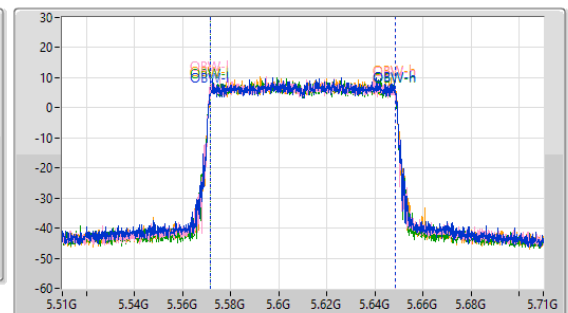
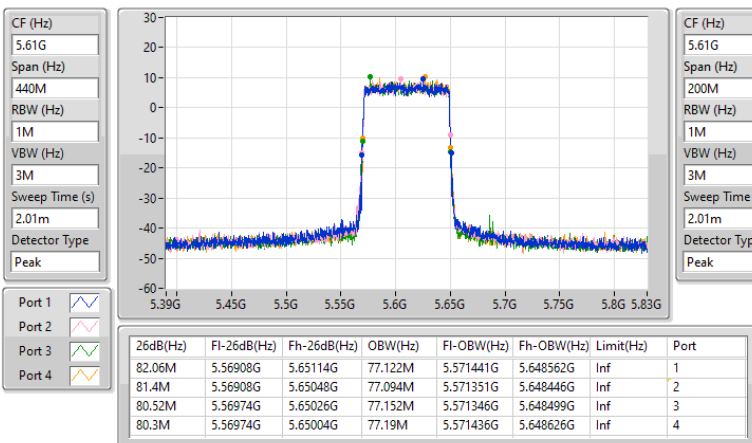


5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

15/11/2024

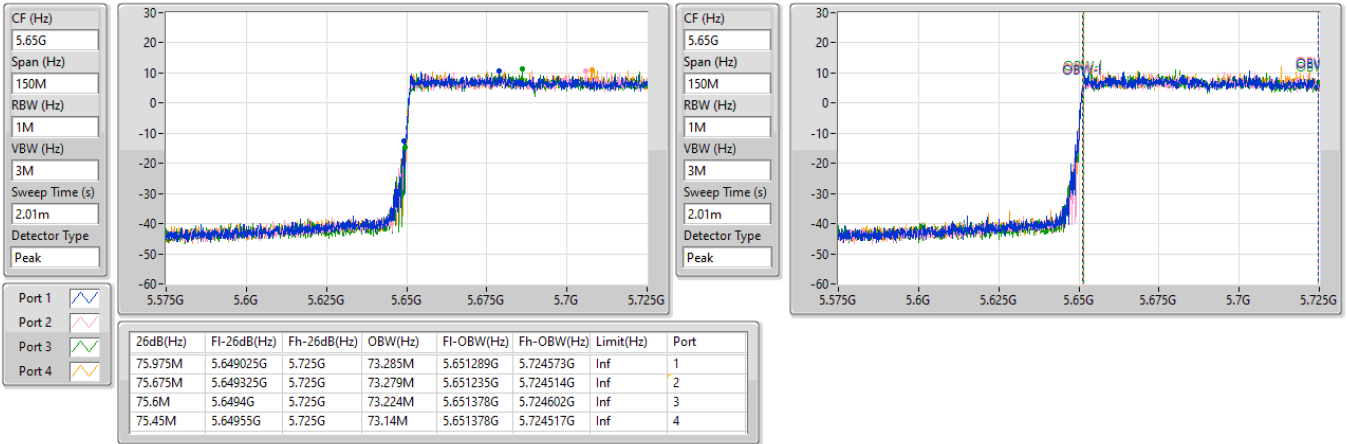


5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

15/11/2024

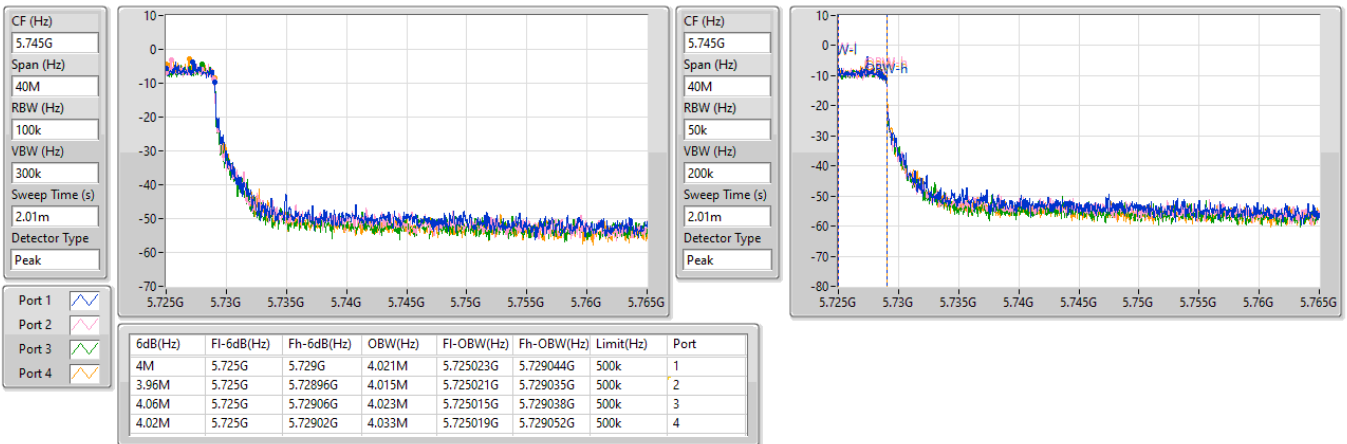


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

15/11/2024

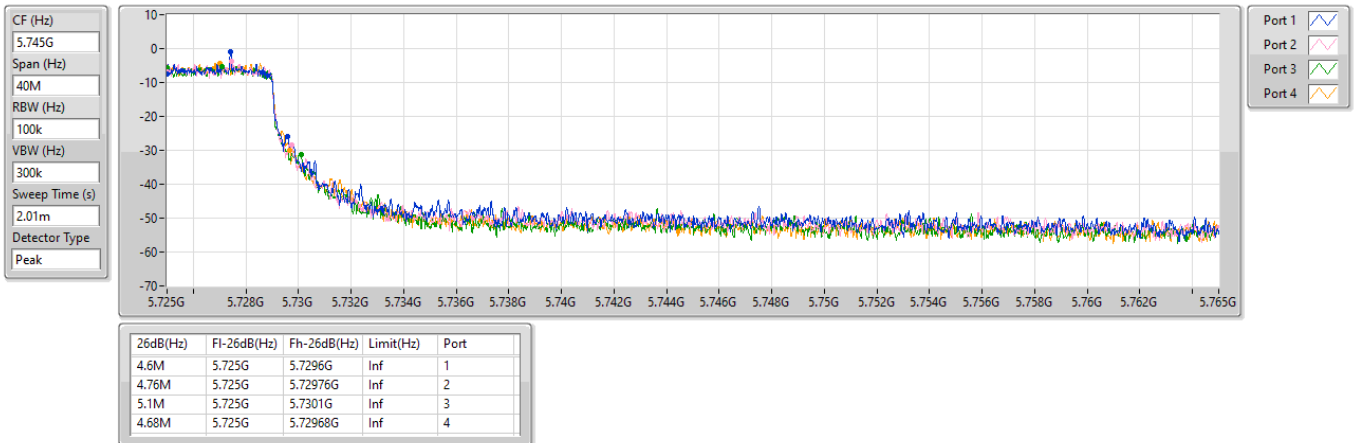


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

15/11/2024

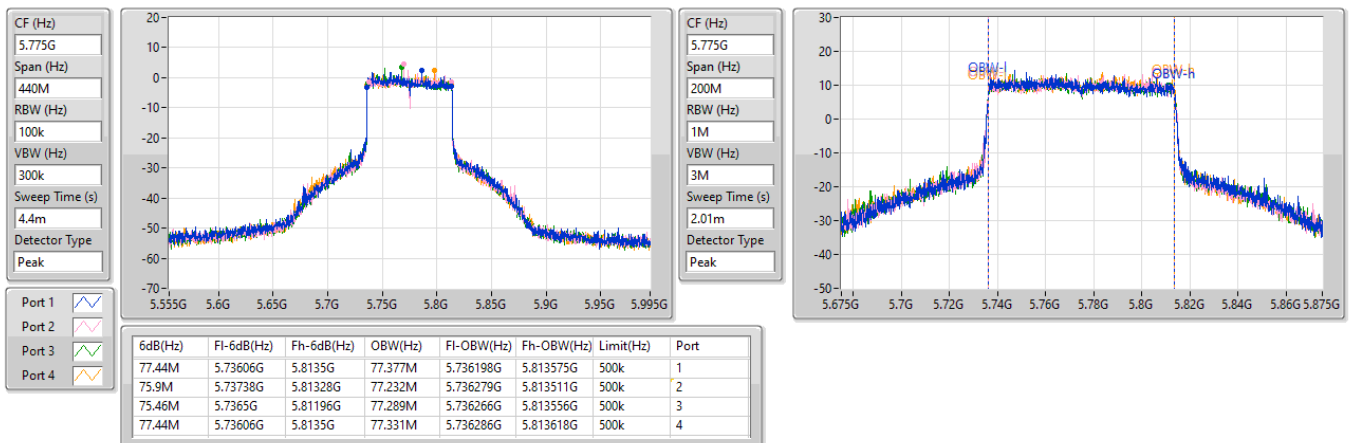


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

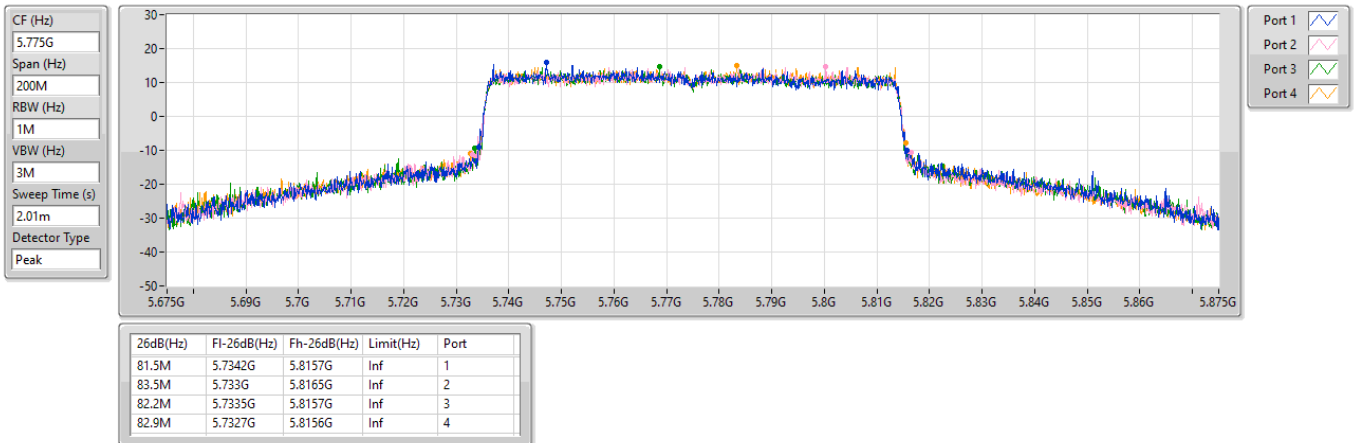
5775MHz

16/11/2024

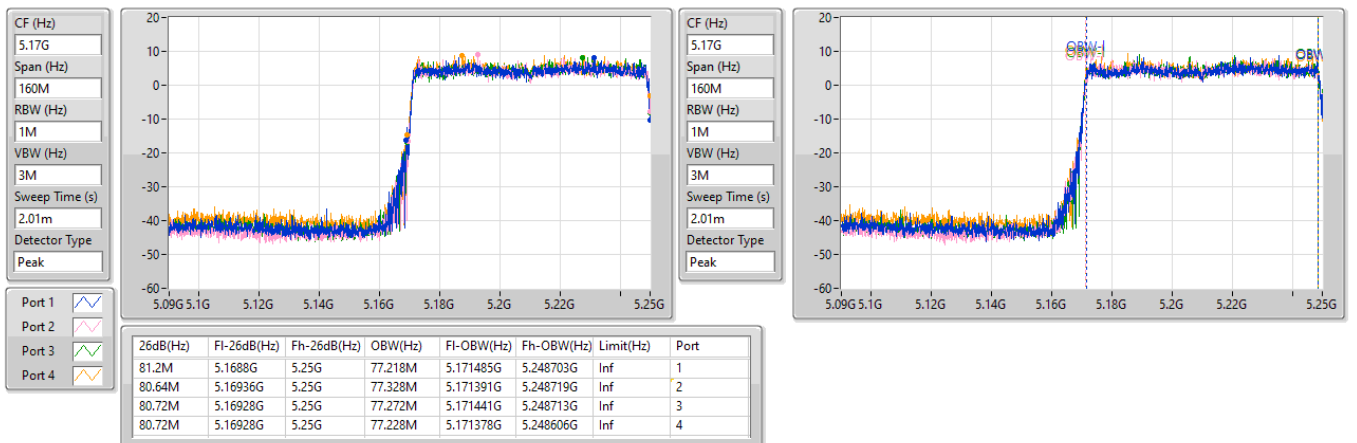


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX
EBW
5775MHz

16/11/2024


5.15-5.25GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

16/11/2024

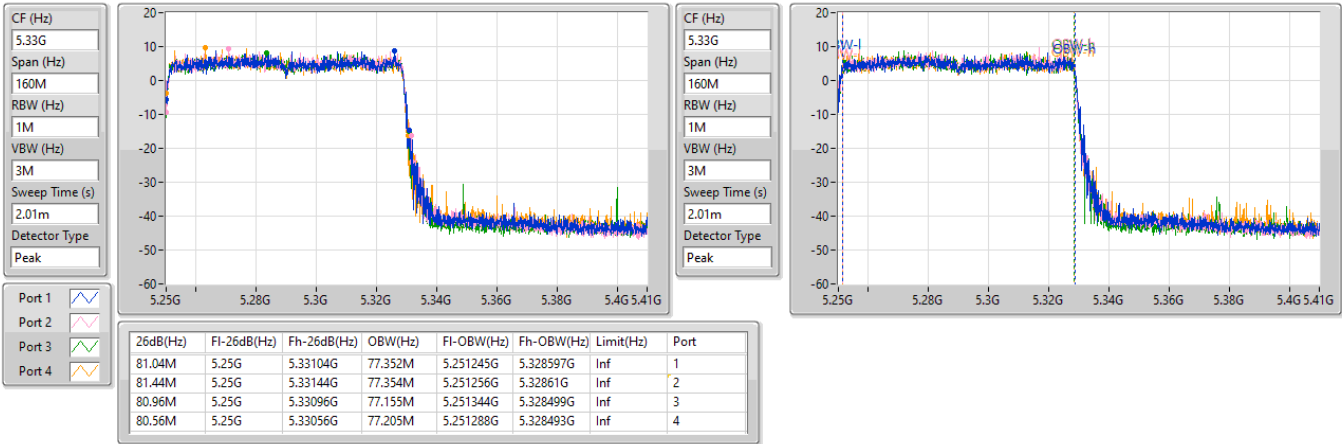


5.25-5.35GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

16/11/2024

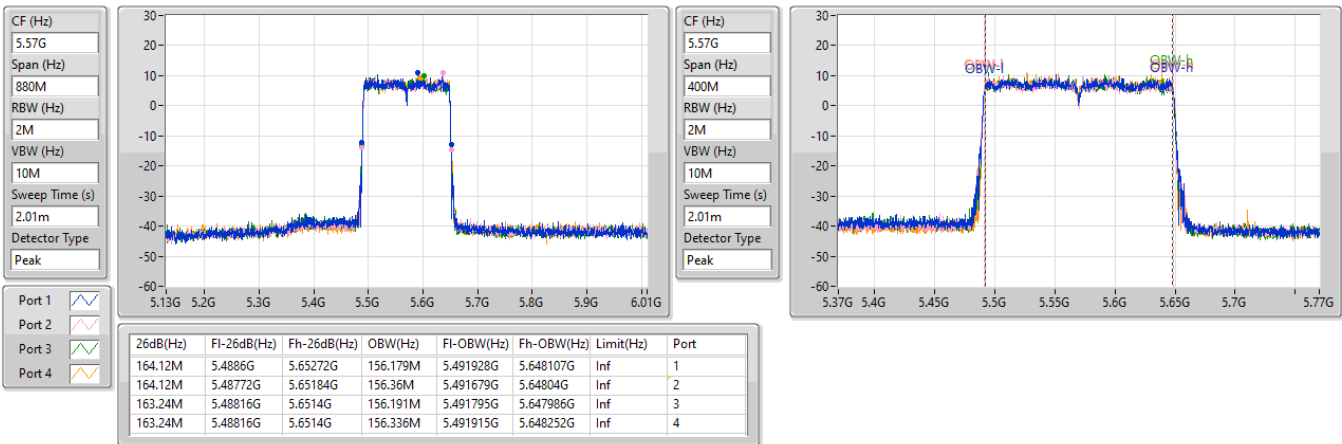


5.47-5.725GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

16/11/2024

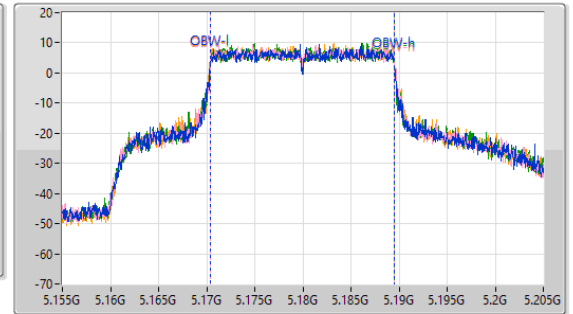
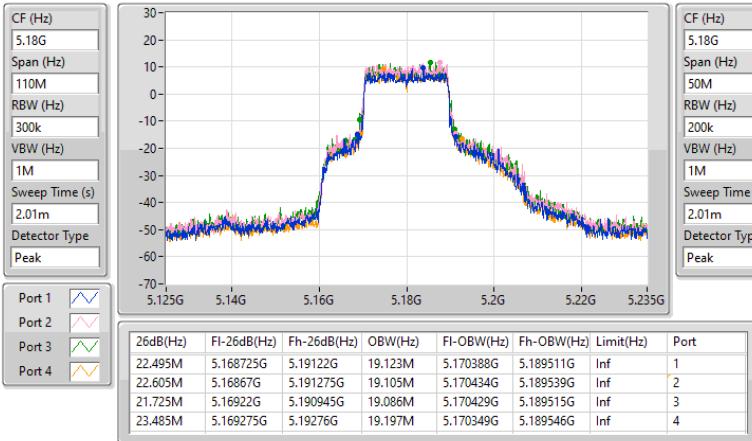


5.15-5.25GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5180MHz

16/11/2024

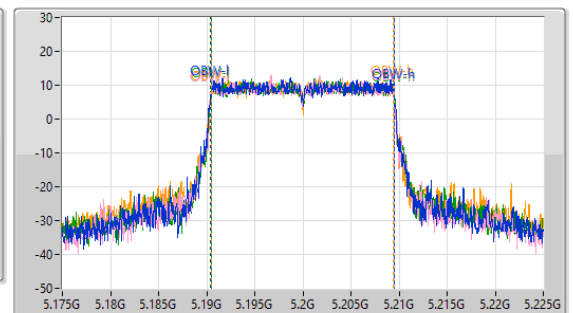
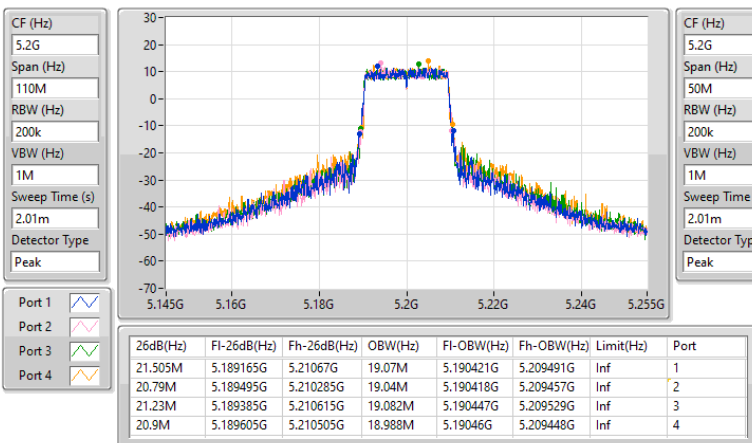


5.15-5.25GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5200MHz

16/11/2024

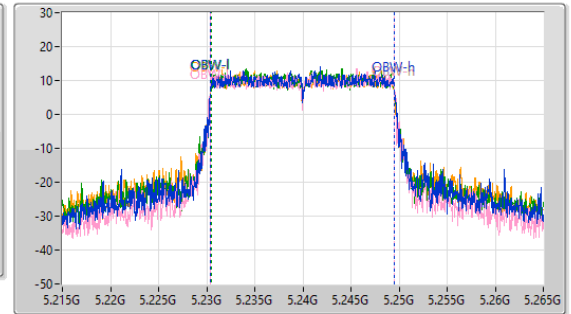
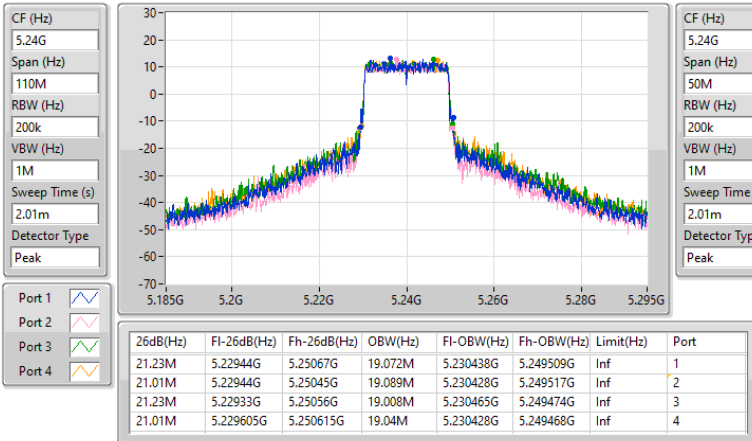


5.15-5.25GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5240MHz

16/11/2024

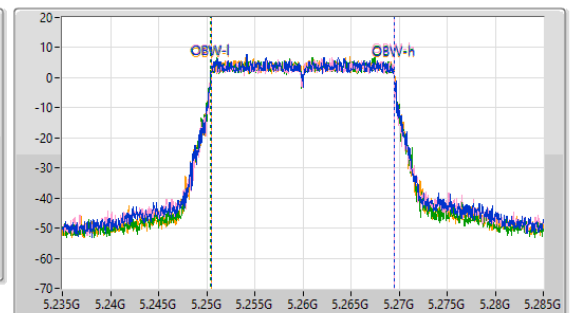
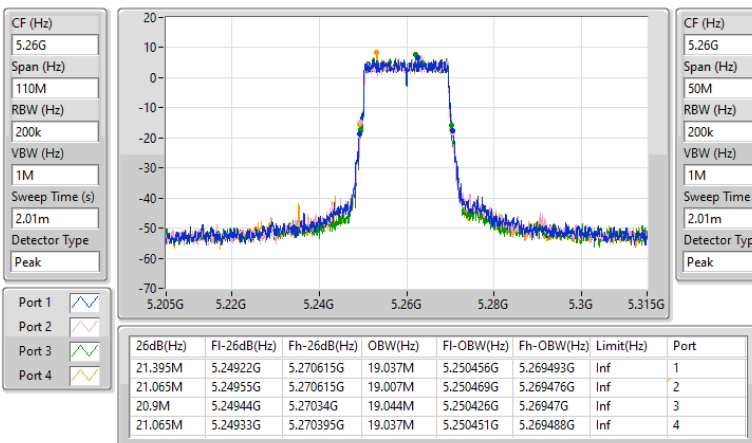


5.25-5.35GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5260MHz

16/11/2024

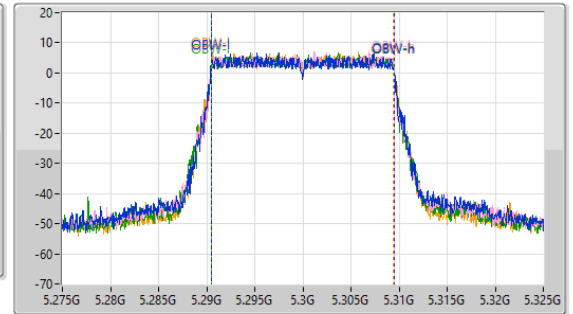
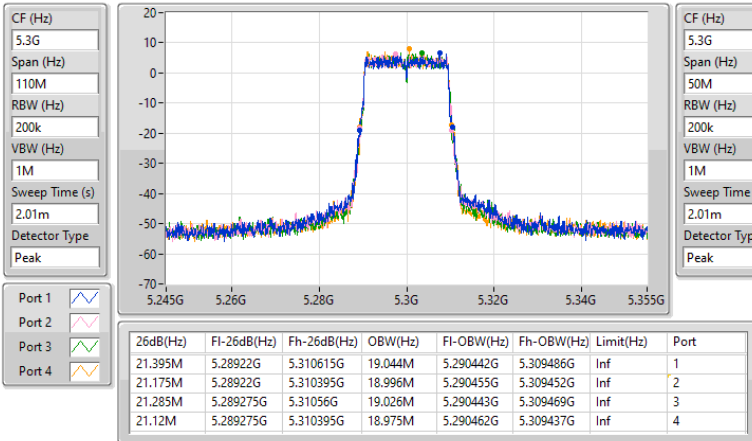


5.25-5.35GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5300MHz

16/11/2024

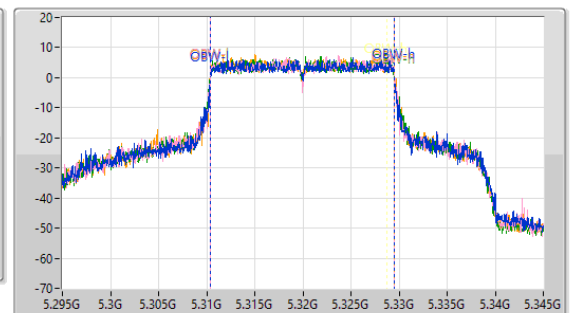
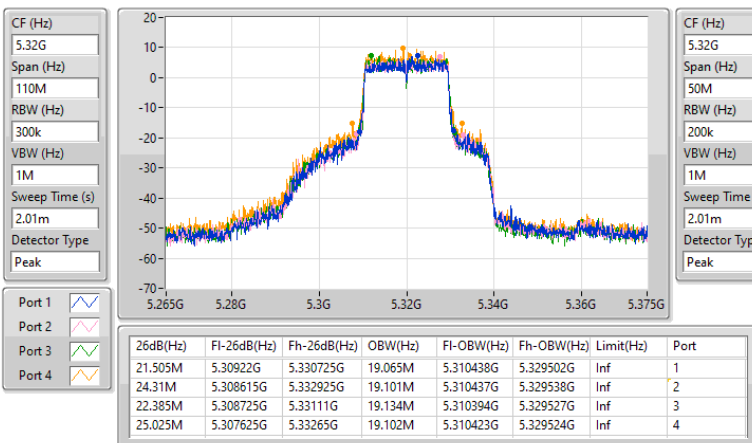


5.25-5.35GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

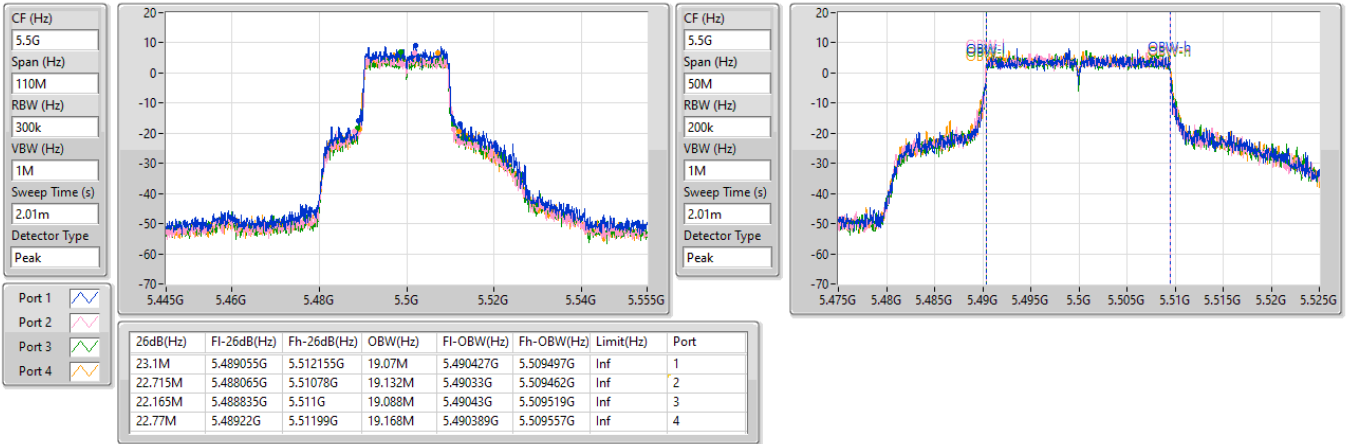
5320MHz

16/11/2024

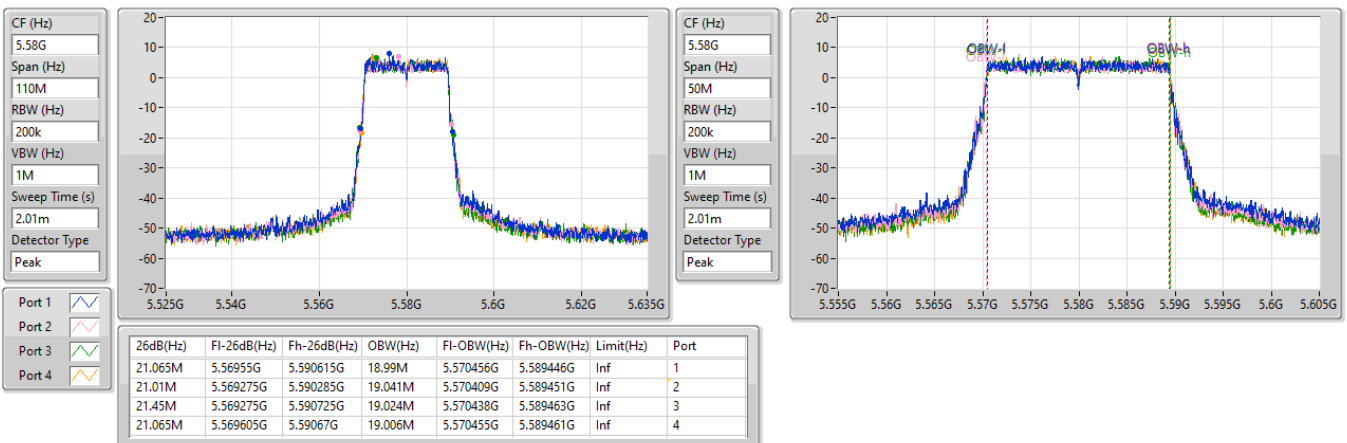


5.47-5.725GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX
EBW
5500MHz

16/11/2024


5.47-5.725GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX
EBW
5580MHz

16/11/2024

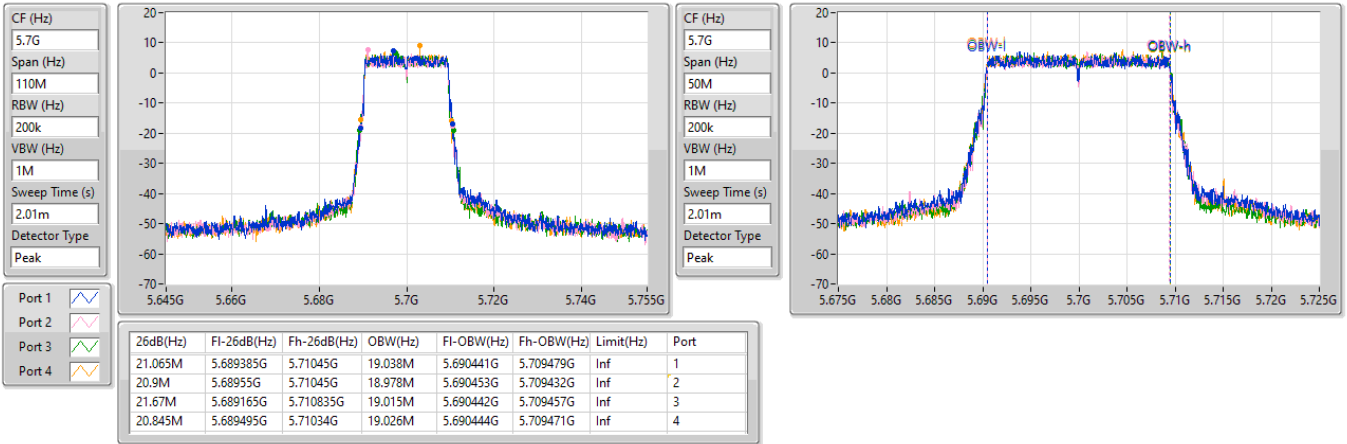


5.47-5.725GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5700MHz

16/11/2024

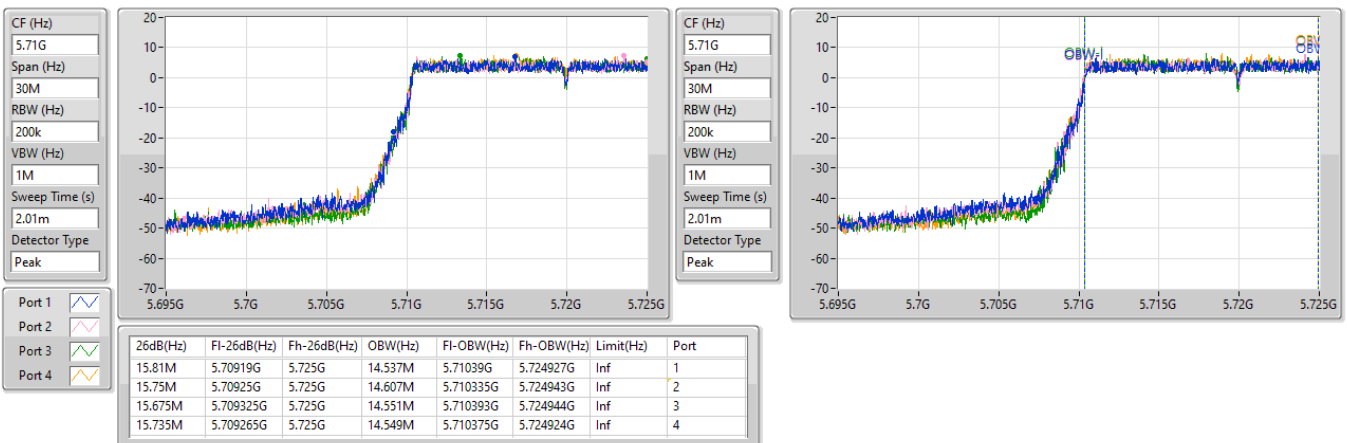


5.47-5.725GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

16/11/2024

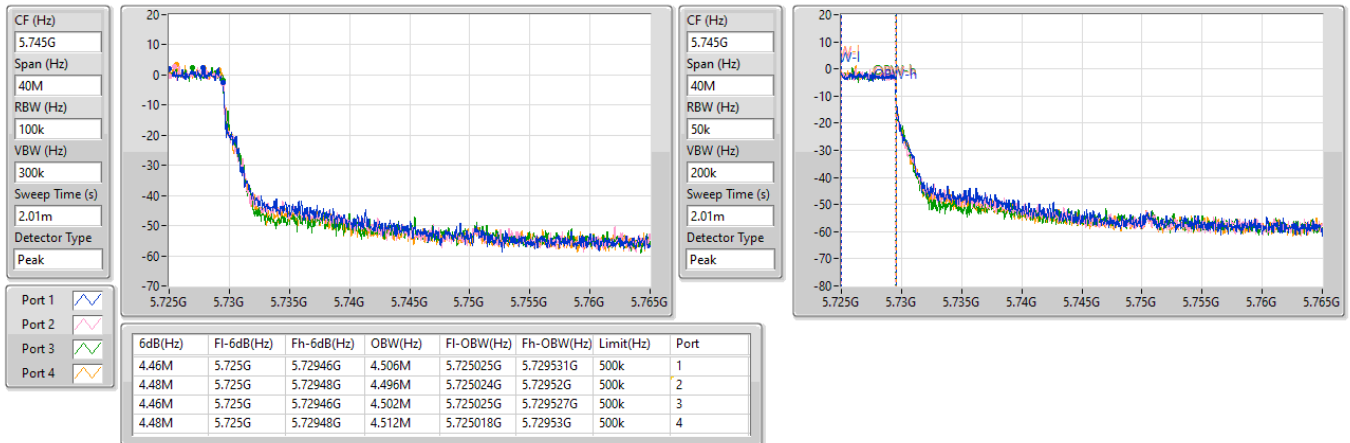


5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

16/11/2024

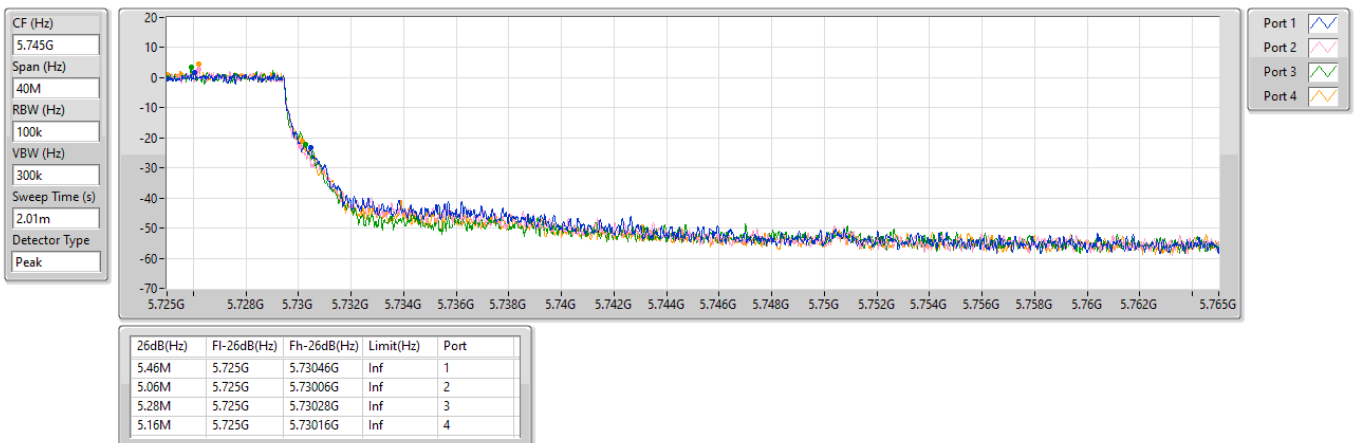


5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

16/11/2024

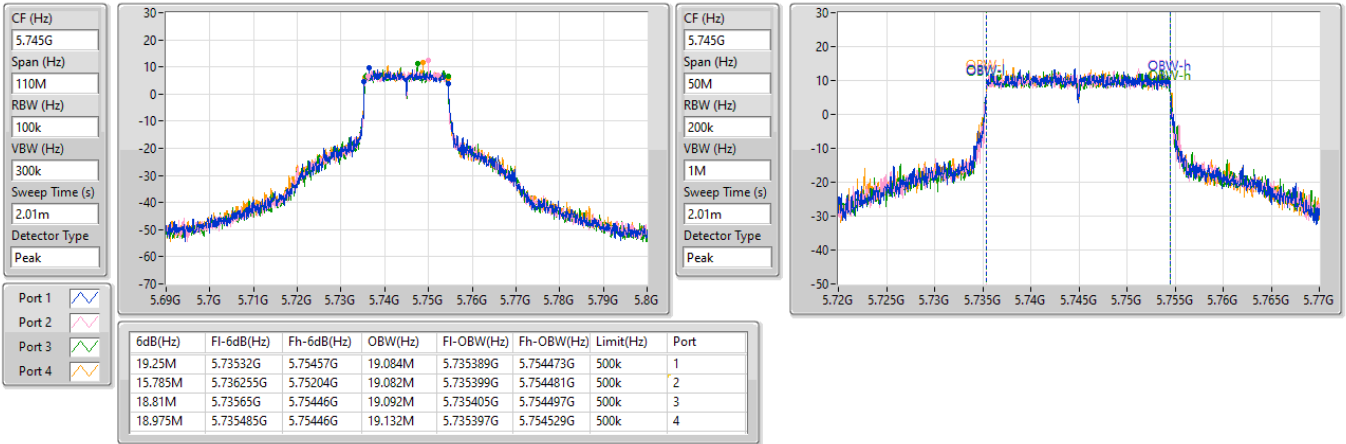


5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5745MHz

16/11/2024

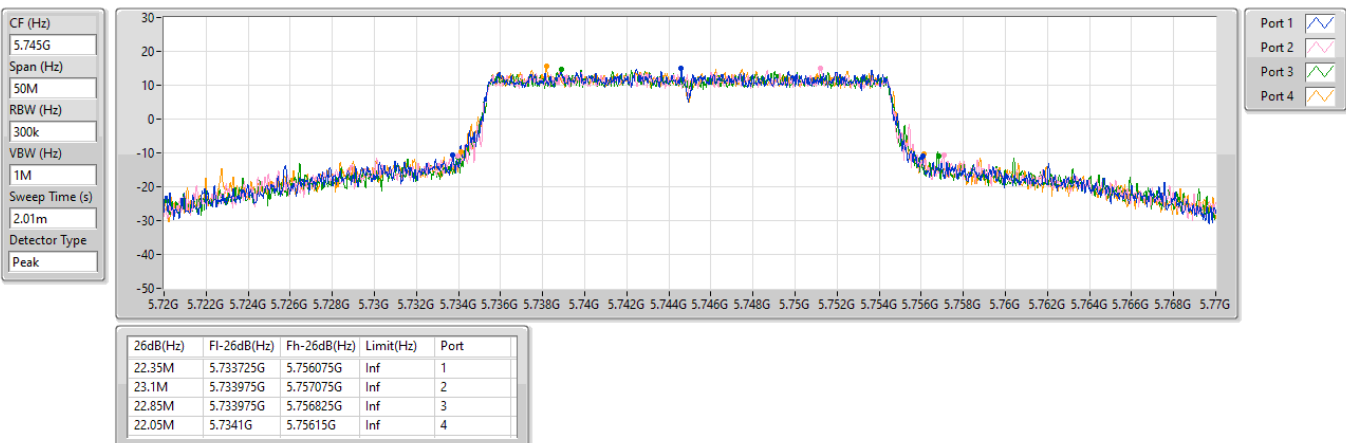


5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5745MHz

16/11/2024

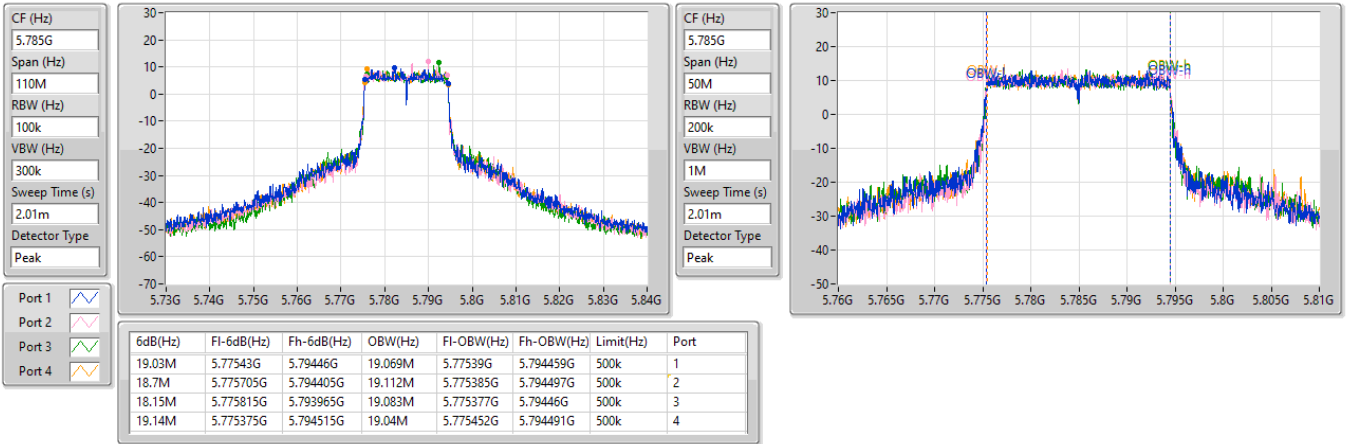


5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5785MHz

16/11/2024

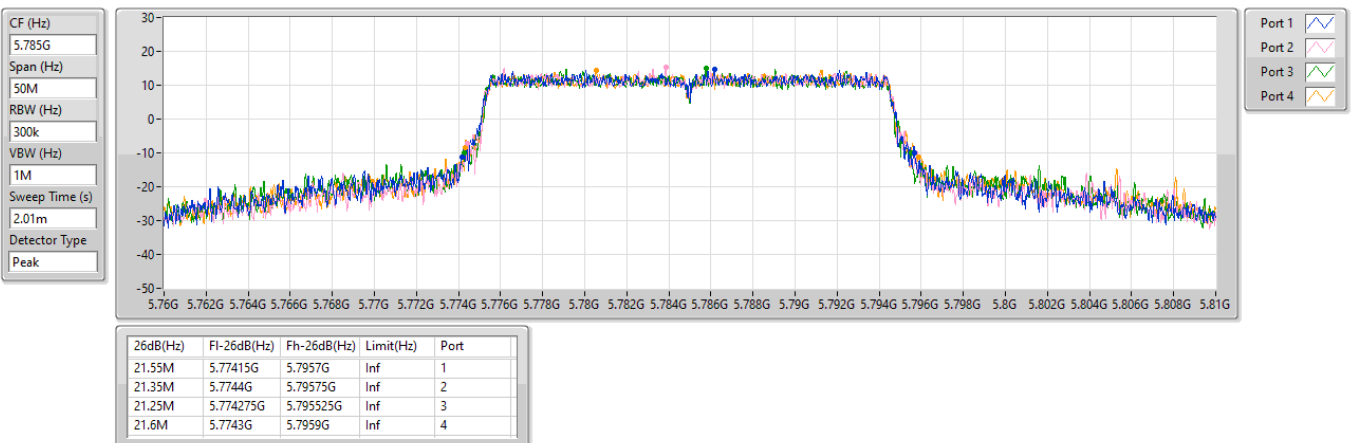


5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5785MHz

16/11/2024

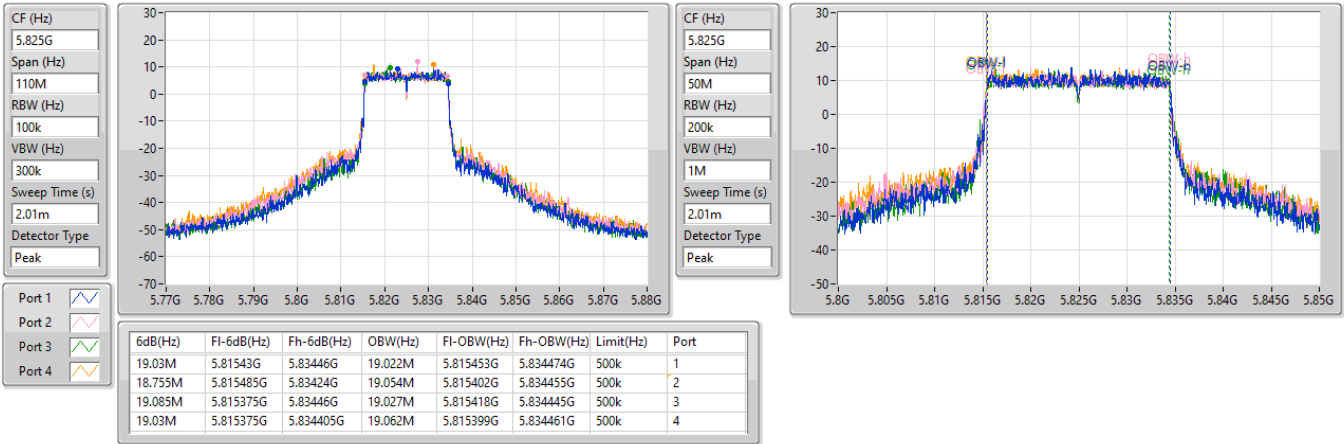


5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5825MHz

16/11/2024

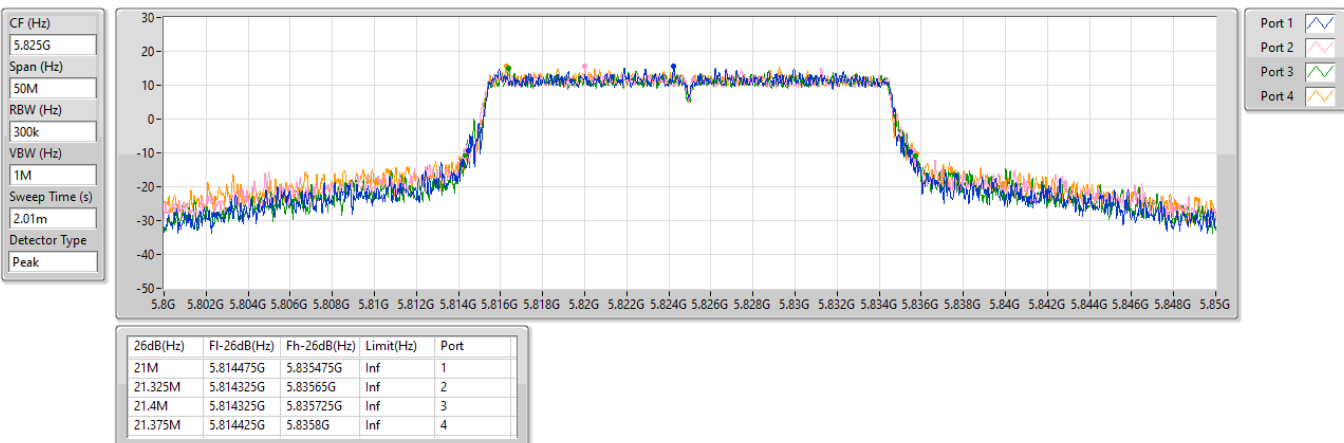


5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

EBW

5825MHz

16/11/2024

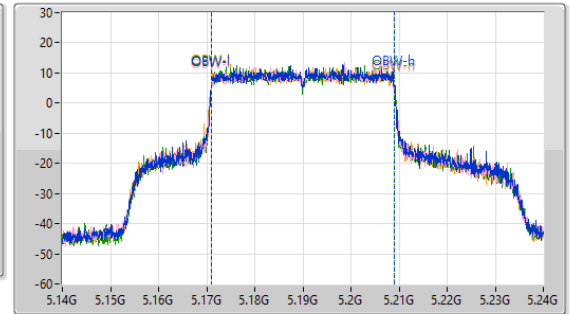
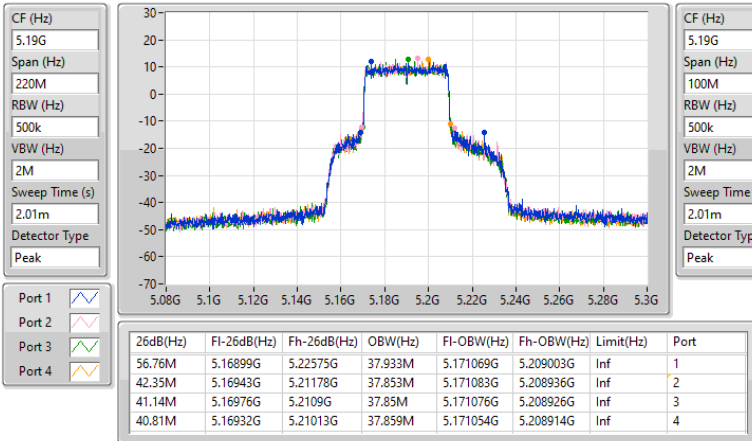


5.15-5.25GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

5190MHz

25/11/2024

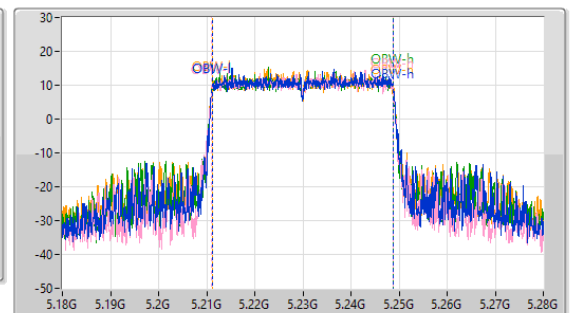
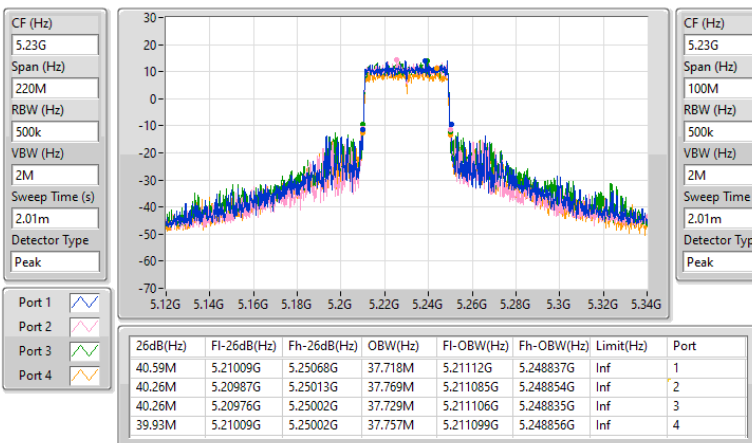


5.15-5.25GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

5230MHz

18/11/2024

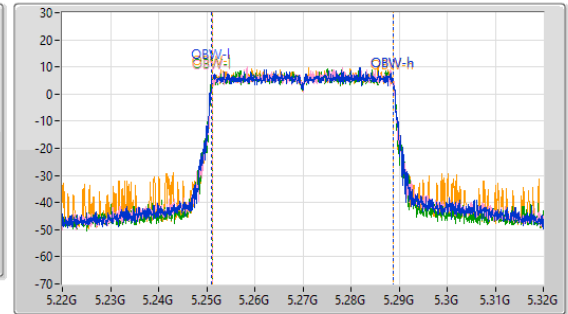
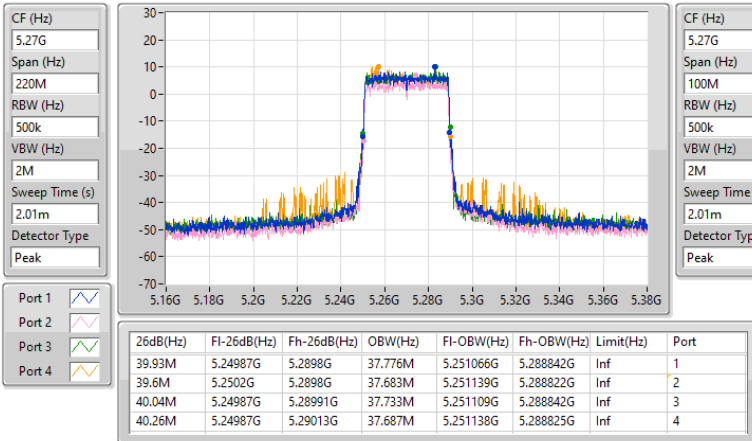


5.25-5.35GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

5270MHz

18/11/2024

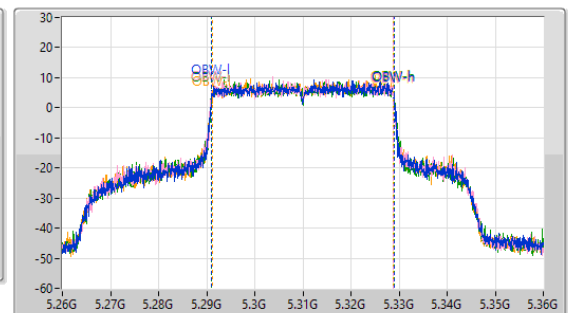
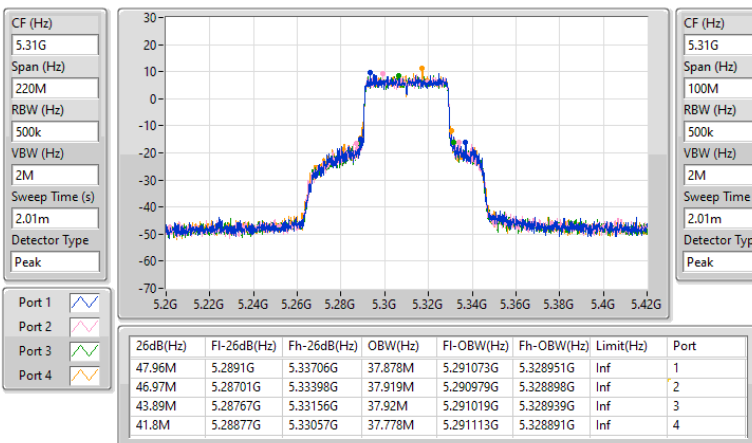


5.25-5.35GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

5310MHz

18/11/2024

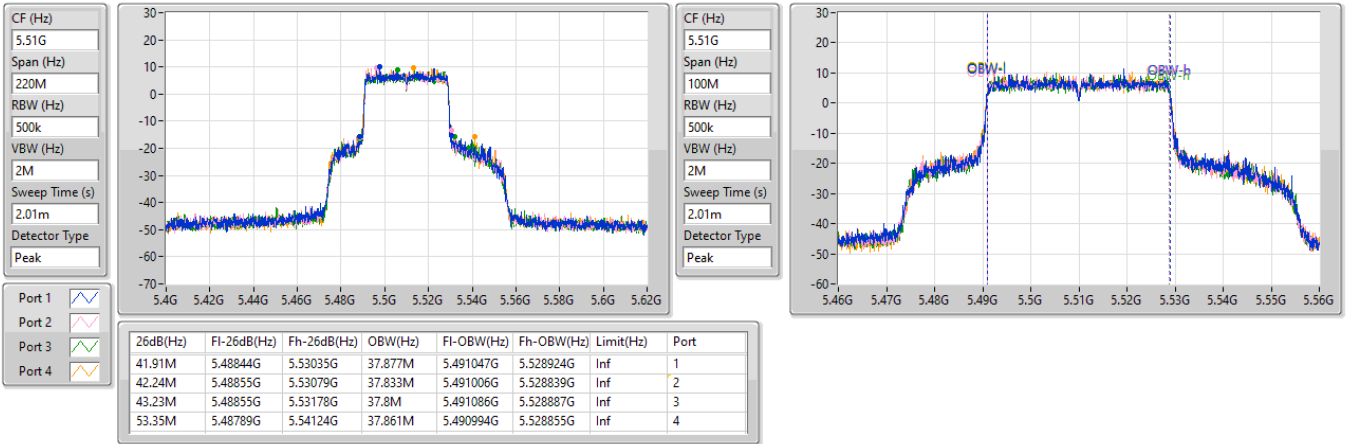


5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

5510MHz

18/11/2024

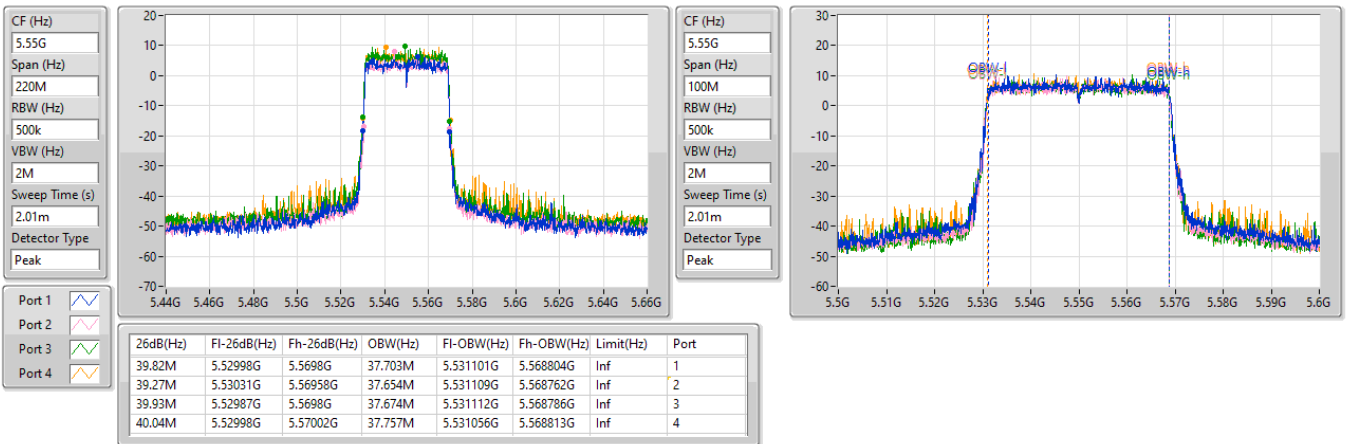


5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

5550MHz

18/11/2024

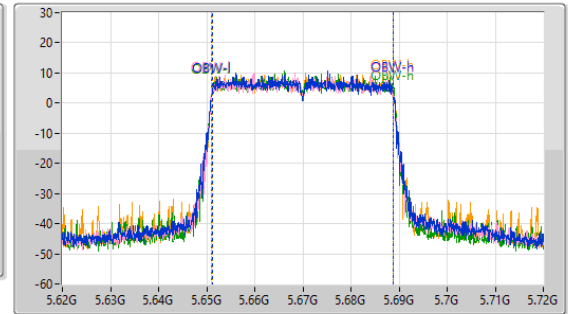
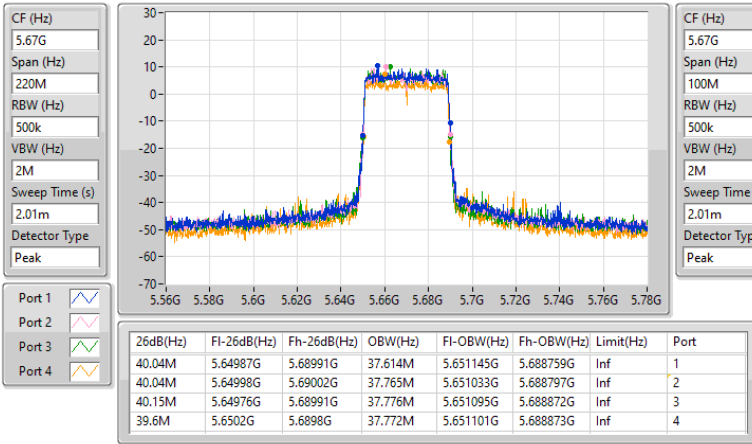


5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

5670MHz

18/11/2024

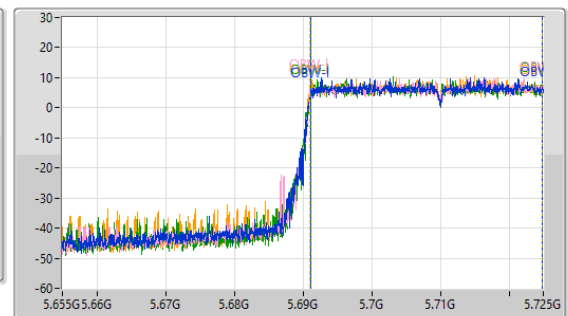
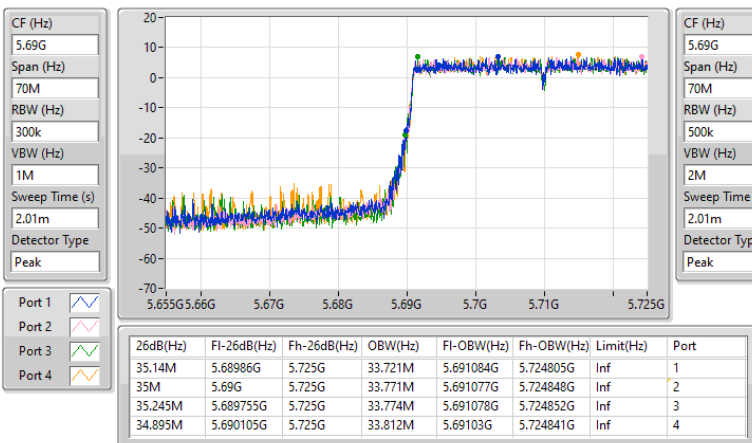


5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

18/11/2024

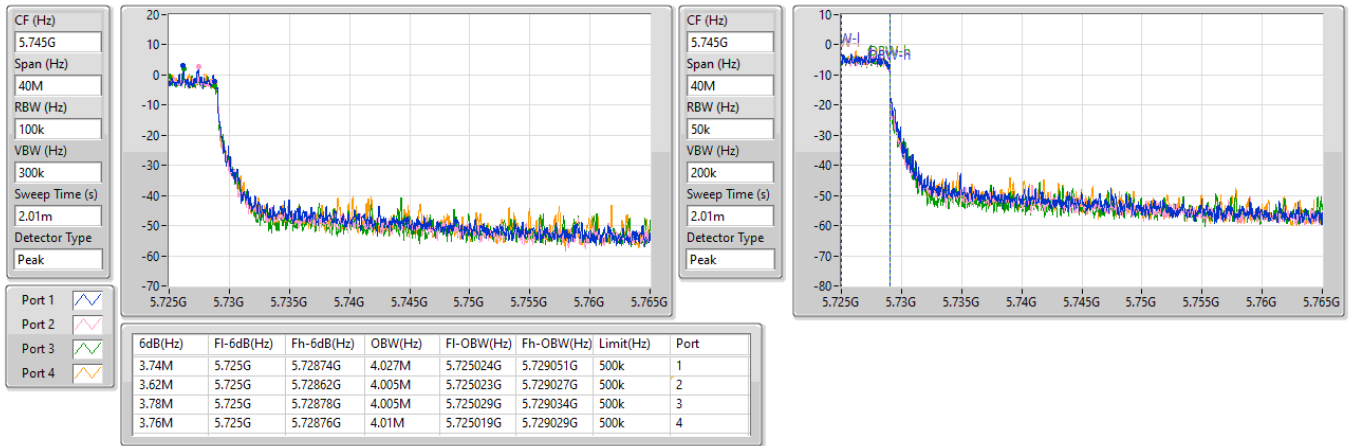


5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

18/11/2024

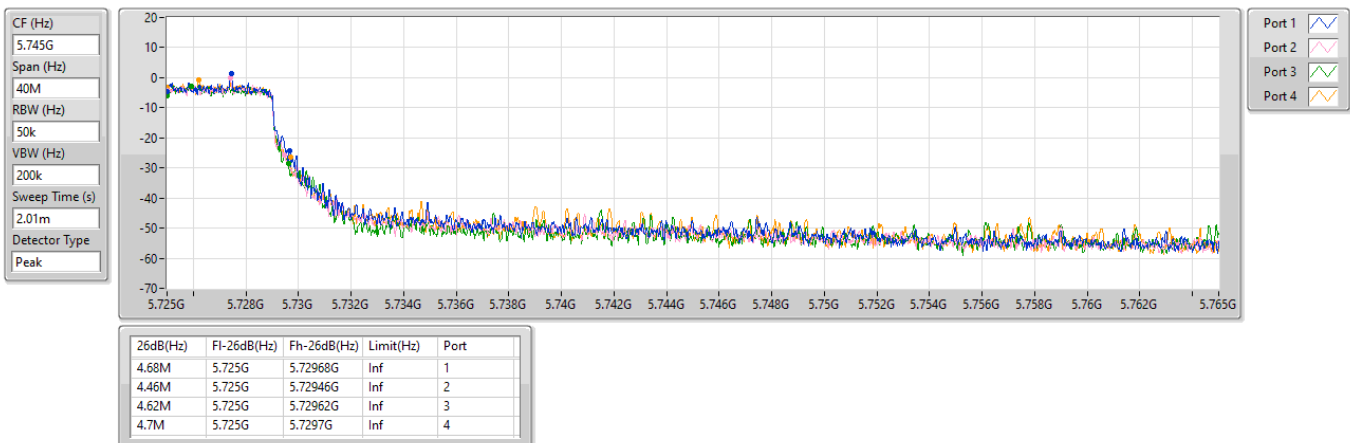


5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

18/11/2024

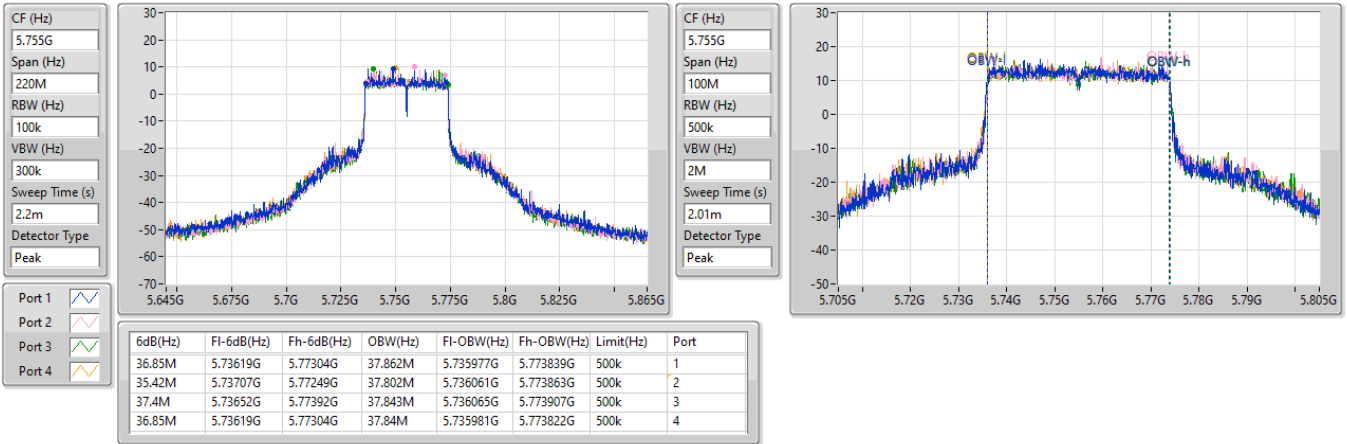


5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

5755MHz

18/11/2024

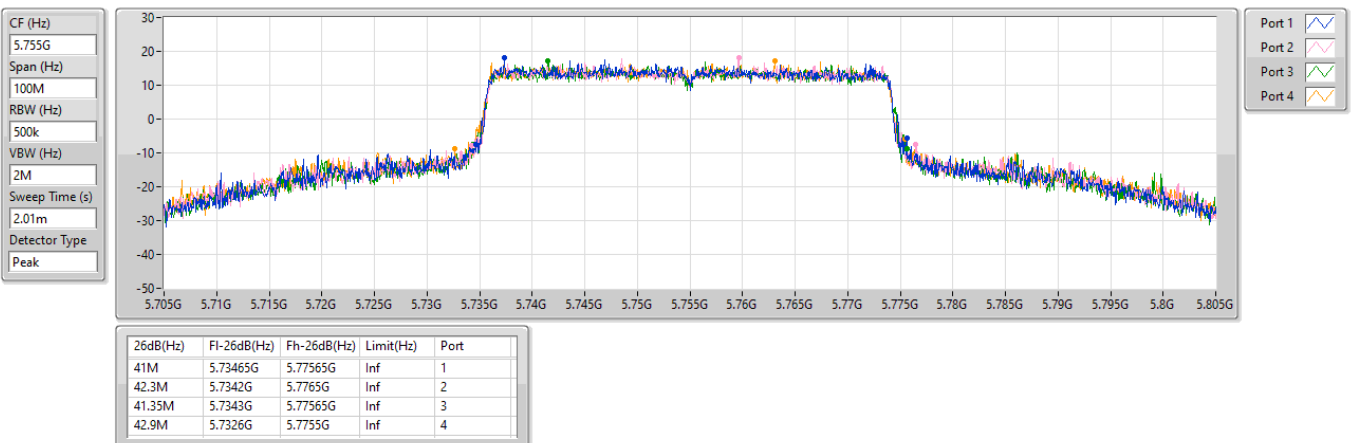


5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

EBW

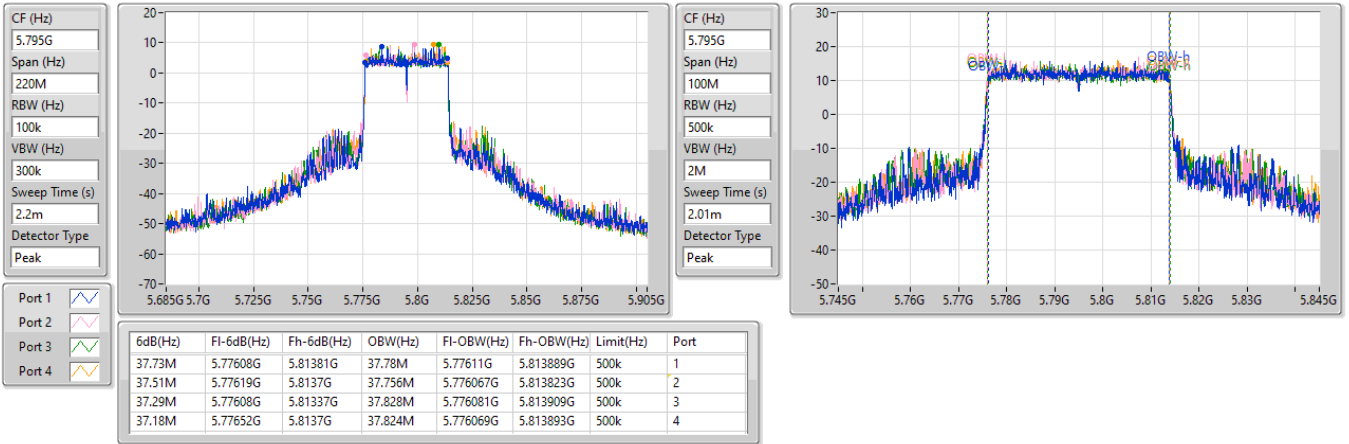
5755MHz

18/11/2024

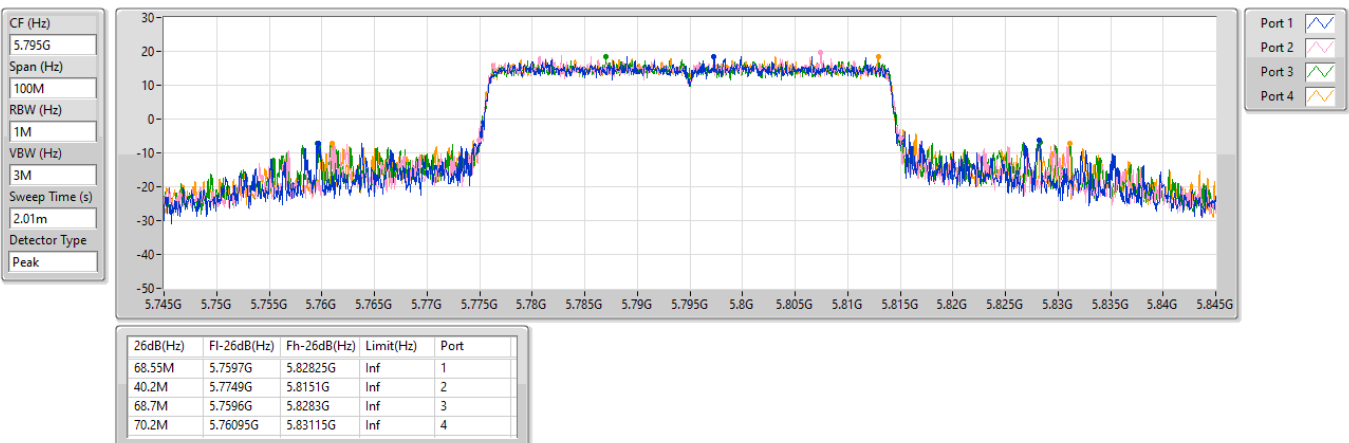


5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX
EBW
5795MHz

18/11/2024


5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX
EBW
5795MHz

18/11/2024

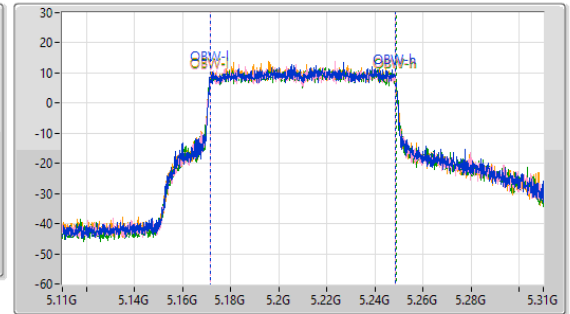
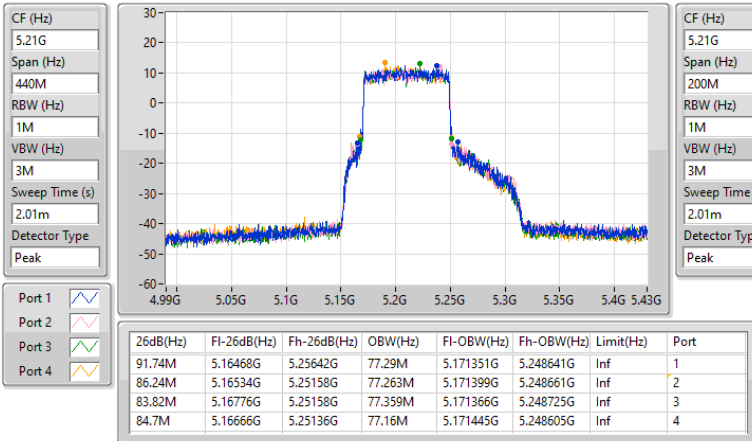


5.15-5.25GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

EBW

5210MHz

18/11/2024

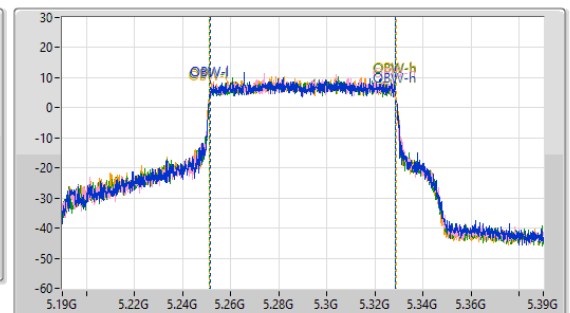
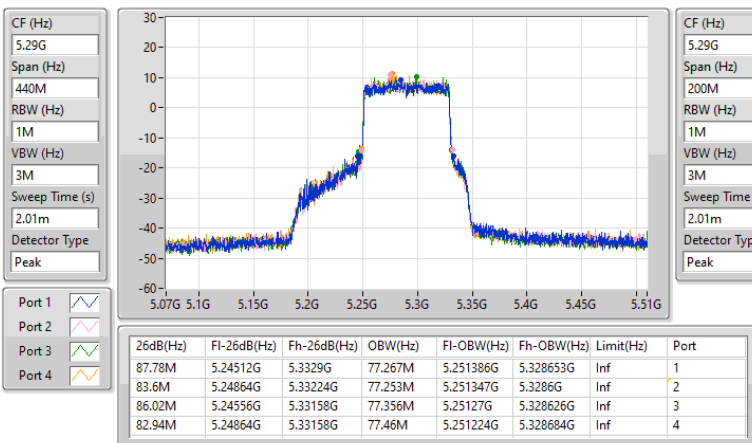


5.25-5.35GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

EBW

5290MHz

18/11/2024

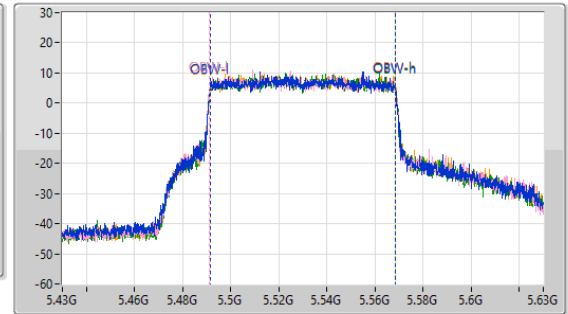
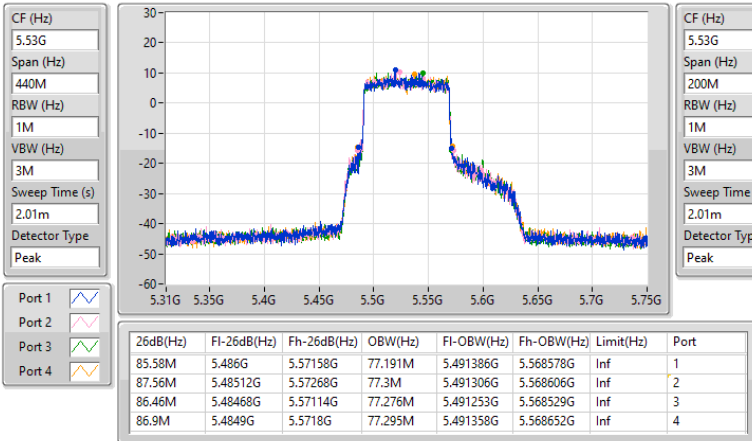


5.47-5.725GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

EBW

5530MHz

18/11/2024

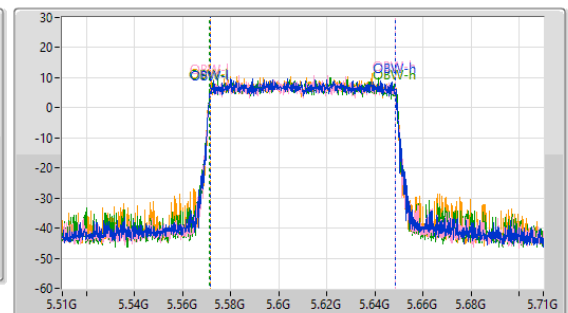
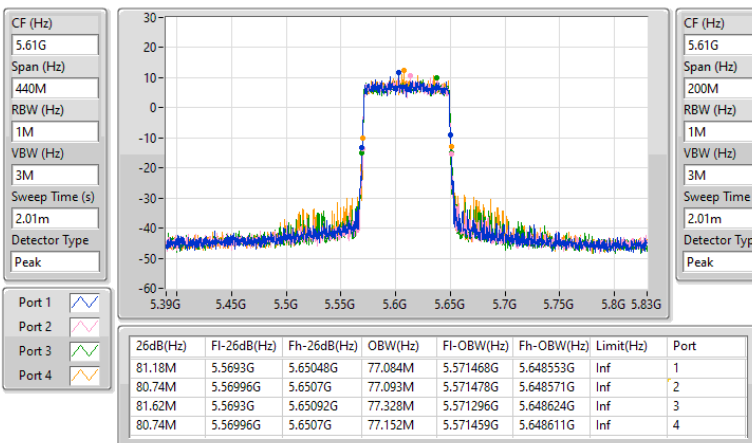


5.47-5.725GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

EBW

5610MHz

18/11/2024

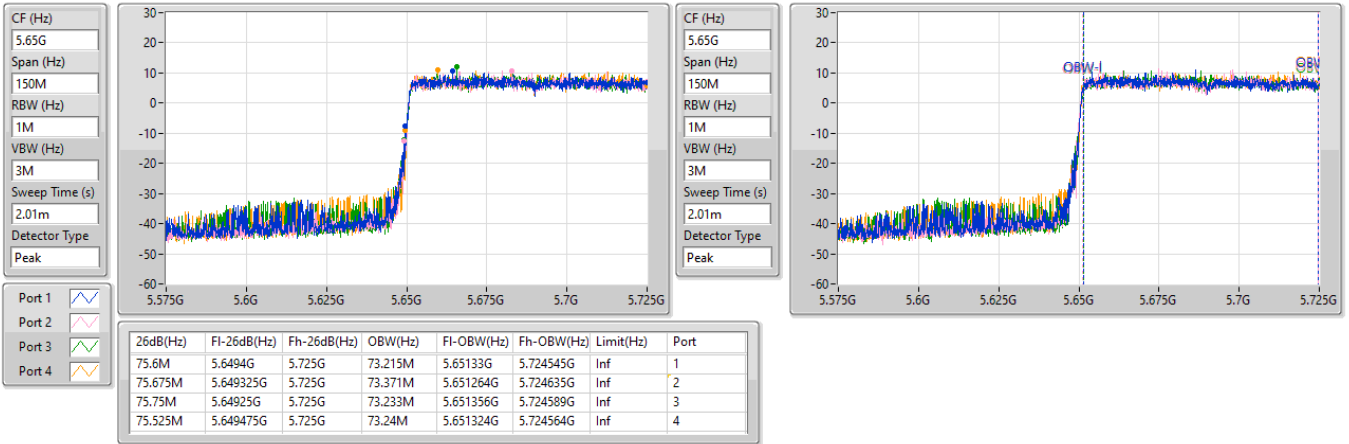


5.47-5.725GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

18/11/2024

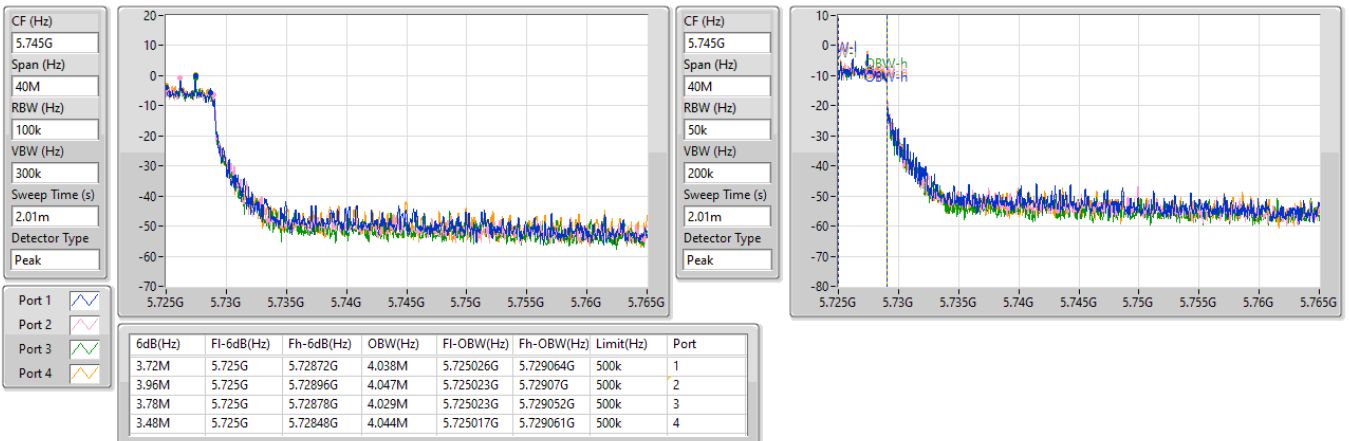


5.725-5.85GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

18/11/2024

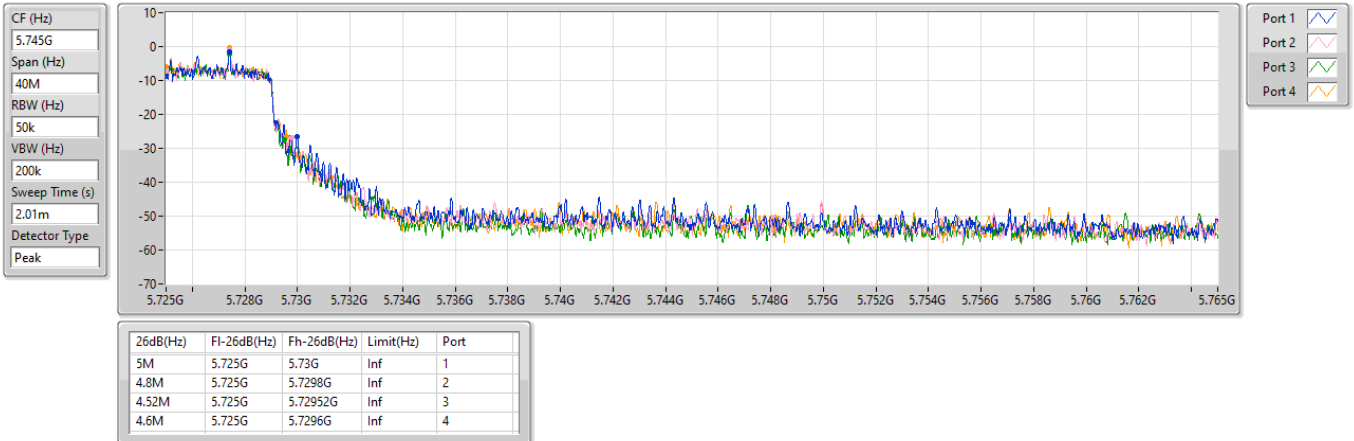


5.725-5.85GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

18/11/2024

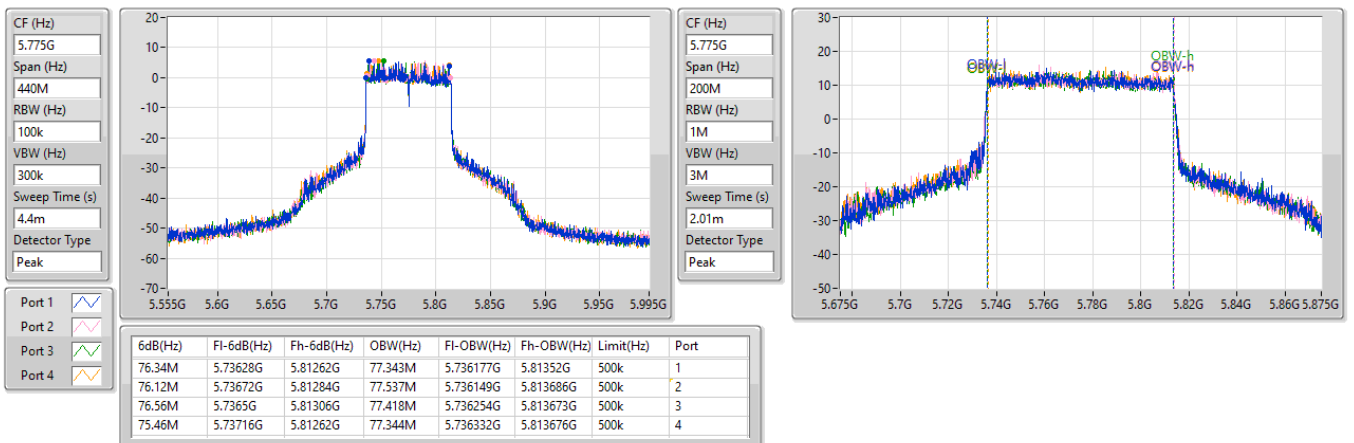


5.725-5.85GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

EBW

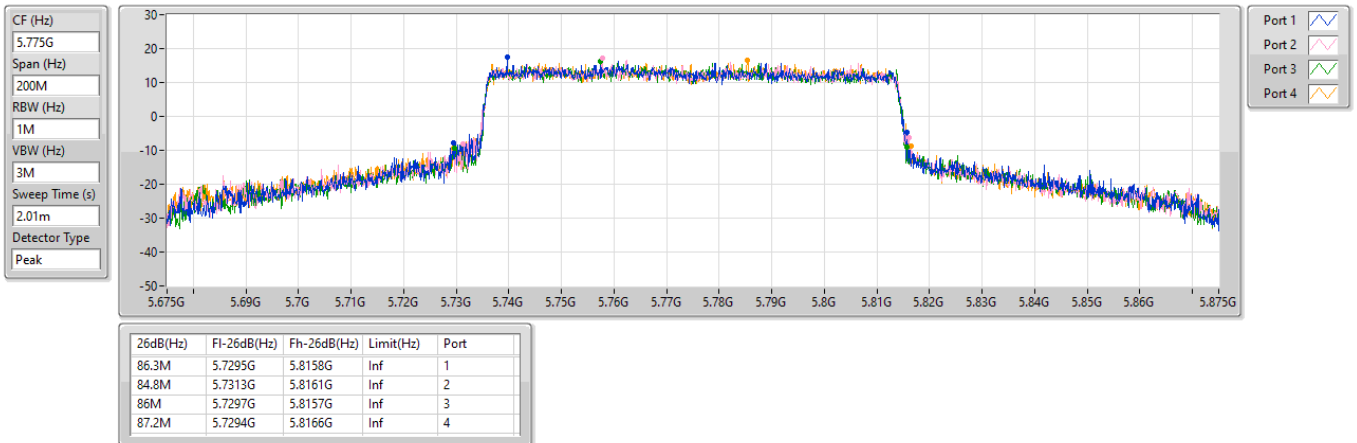
5775MHz

18/11/2024

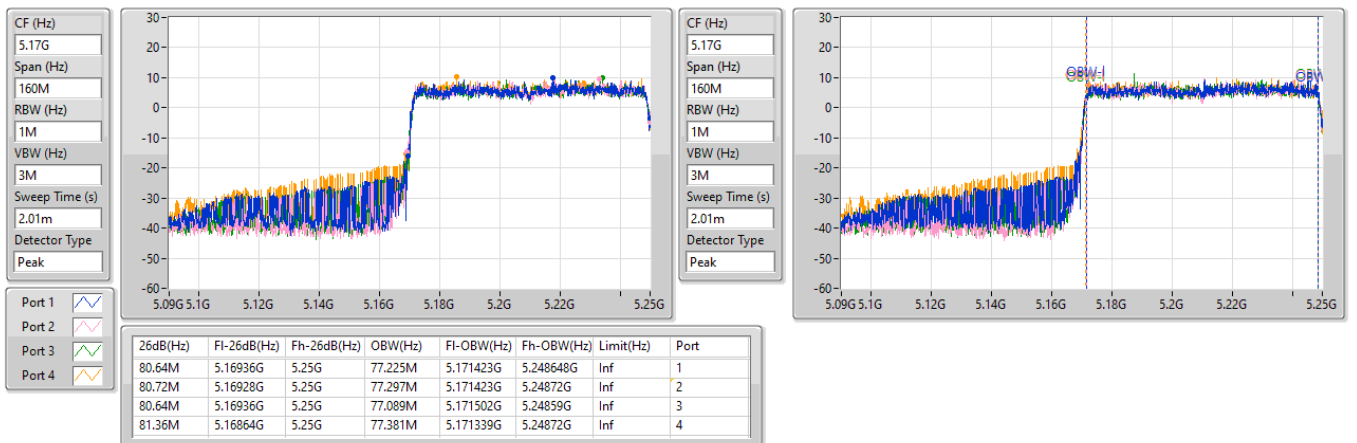


5.725-5.85GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX
EBW
5775MHz

18/11/2024


5.15-5.25GHz_802.11be EHT160-BF_Nss2,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

18/11/2024

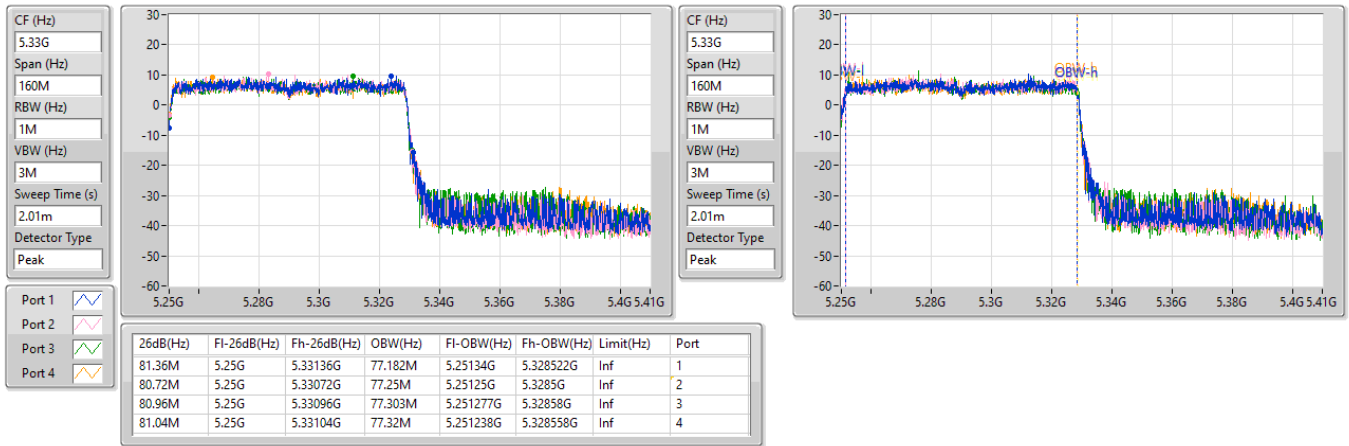


5.25-5.35GHz_802.11be EHT160-BF_Nss2,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

18/11/2024

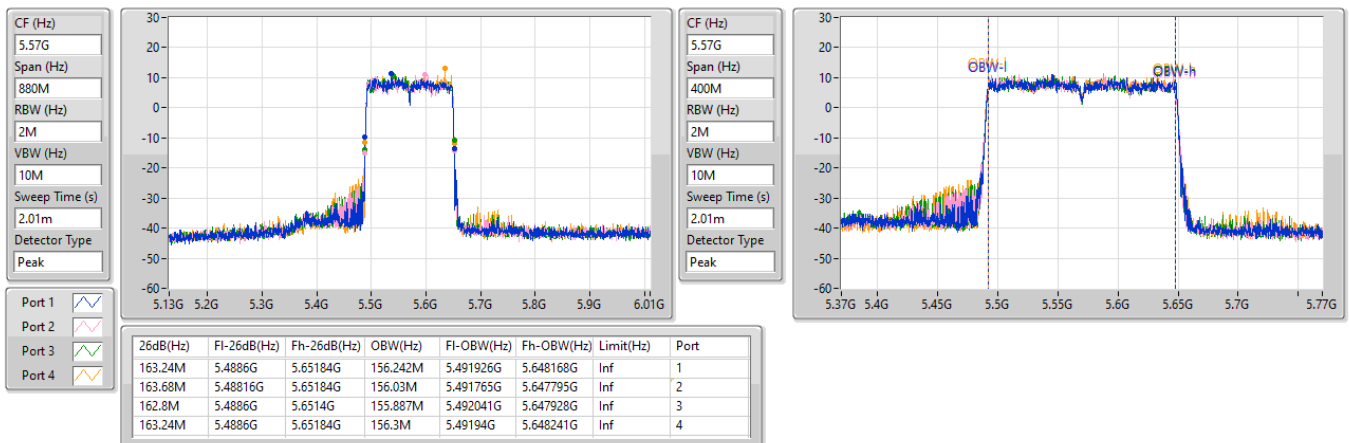


5.47-5.725GHz_802.11be EHT160-BF_Nss2,(MCS0)_4TX

EBW

5570MHz

18/11/2024



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	27.53	0.56624
802.11be EHT20-BF_Nss1,(MCS0)_4TX	27.33	0.54075
802.11be EHT20-BF_Nss2,(MCS0)_4TX	29.98	0.99541
802.11be EHT40-BF_Nss1,(MCS0)_4TX	27.31	0.53827
802.11be EHT40-BF_Nss2,(MCS0)_4TX	28.43	0.69663
802.11be EHT80-BF_Nss1,(MCS0)_4TX	26.27	0.42364
802.11be EHT80-BF_Nss2,(MCS0)_4TX	26.24	0.42073
802.11be EHT160-BF_Nss1,(MCS0)_4TX	20.88	0.12246
802.11be EHT160-BF_Nss2,(MCS0)_4TX	22.93	0.19634
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	21.62	0.14521
802.11be EHT20-BF_Nss1,(MCS0)_4TX	21.11	0.12912
802.11be EHT20-BF_Nss2,(MCS0)_4TX	23.93	0.24717
802.11be EHT40-BF_Nss1,(MCS0)_4TX	21.10	0.12882
802.11be EHT40-BF_Nss2,(MCS0)_4TX	23.96	0.24889
802.11be EHT80-BF_Nss1,(MCS0)_4TX	21.12	0.12942
802.11be EHT80-BF_Nss2,(MCS0)_4TX	23.93	0.24717
802.11be EHT160-BF_Nss1,(MCS0)_4TX	21.12	0.12942
802.11be EHT160-BF_Nss2,(MCS0)_4TX	23.21	0.20941
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	21.40	0.13804
802.11be EHT20-BF_Nss1,(MCS0)_4TX	21.01	0.12618
802.11be EHT20-BF_Nss2,(MCS0)_4TX	23.96	0.24889
802.11be EHT40-BF_Nss1,(MCS0)_4TX	21.01	0.12618
802.11be EHT40-BF_Nss2,(MCS0)_4TX	23.86	0.24322
802.11be EHT80-BF_Nss1,(MCS0)_4TX	20.93	0.12388
802.11be EHT80-BF_Nss2,(MCS0)_4TX	23.96	0.24889
802.11be EHT160-BF_Nss1,(MCS0)_4TX	20.97	0.12503
802.11be EHT160-BF_Nss2,(MCS0)_4TX	23.85	0.24266
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.98	0.99541
802.11be EHT20-BF_Nss1,(MCS0)_4TX	26.88	0.48753
802.11be EHT20-BF_Nss2,(MCS0)_4TX	29.70	0.93325
802.11be EHT40-BF_Nss1,(MCS0)_4TX	26.83	0.48195
802.11be EHT40-BF_Nss2,(MCS0)_4TX	29.85	0.96605
802.11be EHT80-BF_Nss1,(MCS0)_4TX	26.75	0.47315
802.11be EHT80-BF_Nss2,(MCS0)_4TX	28.25	0.66834

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	3.11	20.13	20.33	20.19	20.39	26.28	30.00
5200MHz	Pass	3.11	21.32	21.40	21.36	21.66	27.46	30.00
5240MHz	Pass	3.11	21.58	21.25	21.45	21.76	27.53	30.00
5260MHz	Pass	3.11	15.37	15.28	15.42	15.74	21.48	23.98
5300MHz	Pass	3.11	15.41	15.40	15.48	15.66	21.51	23.98
5320MHz	Pass	3.11	15.43	15.52	15.59	15.84	21.62	23.98
5500MHz	Pass	3.39	15.23	15.30	15.14	15.67	21.36	23.98
5580MHz	Pass	3.39	15.32	15.23	15.18	15.77	21.40	23.98
5700MHz	Pass	3.39	15.27	15.13	15.12	15.50	21.28	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.39	13.95	13.96	13.77	14.39	20.04	22.92
5720MHz Straddle 5.725-5.85GHz	Pass	3.84	7.93	7.94	7.76	8.06	13.94	30.00
5745MHz	Pass	3.84	23.95	23.91	23.87	24.05	29.97	30.00
5785MHz	Pass	3.84	23.92	23.95	23.89	24.09	29.98	30.00
5825MHz	Pass	3.84	23.91	23.83	23.64	23.93	29.85	30.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.60	19.87	19.84	19.94	20.03	25.94	27.40
5200MHz	Pass	8.60	21.37	21.23	21.31	21.33	27.33	27.40
5240MHz	Pass	8.60	21.27	20.89	21.22	21.37	27.21	27.40
5260MHz	Pass	8.70	14.93	14.83	15.20	15.33	21.10	21.28
5300MHz	Pass	8.70	15.00	14.95	15.16	15.26	21.11	21.28
5320MHz	Pass	8.70	14.85	15.06	14.94	15.26	21.05	21.28
5500MHz	Pass	8.94	14.65	14.72	14.60	15.21	20.82	21.04
5580MHz	Pass	8.94	14.91	14.71	14.73	15.23	20.92	21.04
5700MHz	Pass	8.94	15.00	14.82	14.94	15.18	21.01	21.04
5720MHz Straddle 5.47-5.725GHz	Pass	8.94	13.71	13.57	13.47	14.23	19.78	20.03
5720MHz Straddle 5.725-5.85GHz	Pass	9.07	8.75	8.48	8.43	9.05	14.71	26.93
5745MHz	Pass	9.07	20.92	20.87	20.73	20.93	26.88	26.93
5785MHz	Pass	9.07	20.68	20.79	20.49	20.79	26.71	26.93
5825MHz	Pass	9.07	20.93	20.62	20.55	20.86	26.76	26.93
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.60	20.29	19.82	20.07	20.37	26.16	27.40
5230MHz	Pass	8.60	21.37	21.05	21.41	21.33	27.31	27.40
5270MHz	Pass	8.70	15.22	14.76	15.10	15.21	21.10	21.28
5310MHz	Pass	8.70	15.01	14.98	15.21	15.13	21.10	21.28
5510MHz	Pass	8.94	15.01	14.89	14.76	15.09	20.96	21.04
5550MHz	Pass	8.94	15.10	14.68	14.83	15.12	20.96	21.04
5670MHz	Pass	8.94	15.11	14.75	14.93	15.08	20.99	21.04
5710MHz Straddle 5.47-5.725GHz	Pass	8.94	14.96	14.97	14.82	15.20	21.01	21.04
5710MHz Straddle 5.725-5.85GHz	Pass	9.07	5.59	5.42	5.18	5.80	11.52	26.93
5755MHz	Pass	9.07	20.82	20.56	20.60	20.86	26.73	26.93
5795MHz	Pass	9.07	20.67	20.89	20.62	21.06	26.83	26.93
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.60	20.23	20.32	20.16	20.28	26.27	27.40
5290MHz	Pass	8.70	15.08	14.95	15.21	15.16	21.12	21.28
5530MHz	Pass	8.94	14.88	14.72	14.84	14.97	20.87	21.04
5610MHz	Pass	8.94	14.88	14.81	14.67	15.25	20.93	21.04
5690MHz Straddle 5.47-5.725GHz	Pass	8.94	14.87	14.60	14.64	15.12	20.83	21.04
5690MHz Straddle 5.725-5.85GHz	Pass	9.07	1.57	1.44	1.04	2.04	7.56	26.93
5775MHz	Pass	9.07	20.78	20.73	20.59	20.82	26.75	26.93
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.60	14.78	14.42	14.80	15.38	20.88	27.40
5250MHz Straddle 5.25-5.35GHz	Pass	8.70	15.17	15.19	15.15	14.90	21.12	21.28
5570MHz	Pass	8.94	15.04	14.85	14.81	15.09	20.97	21.04
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	5.59	20.21	20.14	20.02	20.31	26.19	30.00
5200MHz	Pass	5.59	23.13	22.95	23.01	23.25	29.11	30.00
5240MHz	Pass	5.59	24.06	23.79	24.02	23.96	29.98	30.00
5260MHz	Pass	5.70	17.78	17.59	17.73	17.97	23.79	23.98
5300MHz	Pass	5.70	17.71	17.81	17.75	17.92	23.82	23.98
5320MHz	Pass	5.70	17.87	17.98	17.75	18.03	23.93	23.98
5500MHz	Pass	5.94	17.63	17.94	17.59	18.05	23.83	23.98
5580MHz	Pass	5.94	17.89	17.93	17.86	18.08	23.96	23.98
5700MHz	Pass	5.94	17.82	17.85	17.94	18.06	23.94	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.94	16.79	16.89	16.83	17.17	22.94	22.95
5720MHz Straddle 5.725-5.85GHz	Pass	6.09	11.78	11.82	11.72	12.10	17.88	29.91
5745MHz	Pass	6.09	23.81	23.55	23.52	23.79	29.69	29.91
5785MHz	Pass	6.09	23.53	23.78	23.49	23.83	29.68	29.91
5825MHz	Pass	6.09	23.87	23.65	23.51	23.67	29.70	29.91
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.59	20.68	20.51	20.37	20.20	26.46	30.00
5230MHz	Pass	5.59	22.41	22.19	22.40	22.61	28.43	30.00
5270MHz	Pass	5.70	17.87	17.95	17.84	18.11	23.96	23.98
5310MHz	Pass	5.70	17.71	17.84	17.79	18.10	23.88	23.98
5510MHz	Pass	5.94	17.85	17.72	17.52	18.05	23.81	23.98
5550MHz	Pass	5.94	18.02	17.60	17.74	18.00	23.86	23.98
5670MHz	Pass	5.94	17.85	17.52	17.73	17.92	23.78	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.94	17.83	17.69	17.52	18.03	23.79	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	6.09	8.50	8.20	8.20	8.50	14.37	29.91
5755MHz	Pass	6.09	23.95	23.75	23.73	23.88	29.85	29.91
5795MHz	Pass	6.09	23.77	23.86	23.55	23.85	29.78	29.91
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.59	20.30	20.07	20.04	20.47	26.24	30.00
5290MHz	Pass	5.70	17.91	17.82	17.91	17.98	23.93	23.98
5530MHz	Pass	5.94	17.88	17.64	17.65	17.85	23.78	23.98
5610MHz	Pass	5.94	17.84	17.64	17.71	18.05	23.83	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.94	18.02	17.76	17.84	18.13	23.96	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	6.09	4.74	4.54	4.32	4.94	10.66	29.91
5775MHz	Pass	6.09	22.20	22.22	22.11	22.38	28.25	29.91
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.59	16.96	16.60	16.78	17.26	22.93	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.70	17.39	17.29	17.11	16.95	23.21	23.98
5570MHz	Pass	5.94	18.01	17.67	17.68	17.94	23.85	23.98

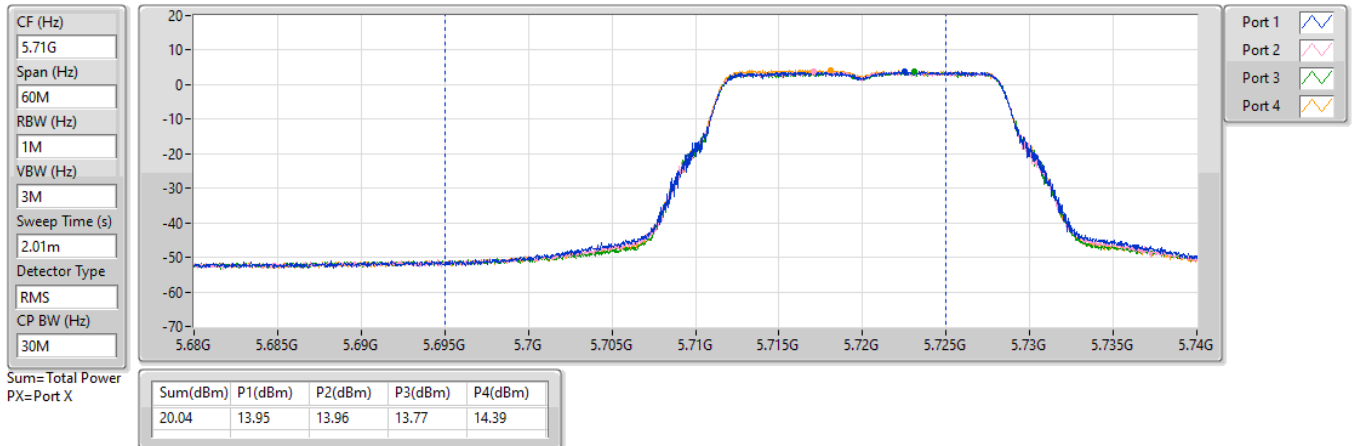
DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

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

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

19/11/2024

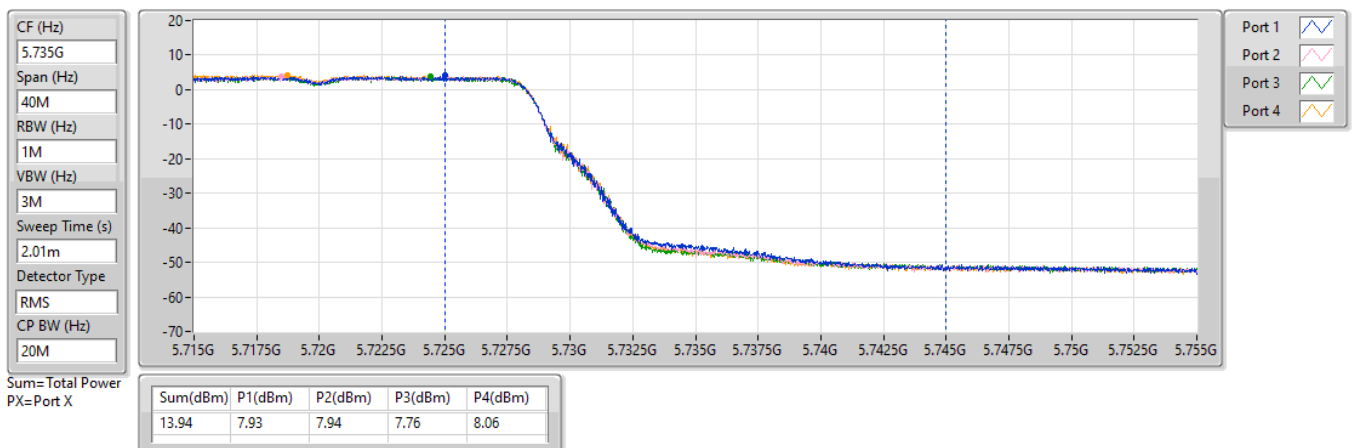


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

19/11/2024

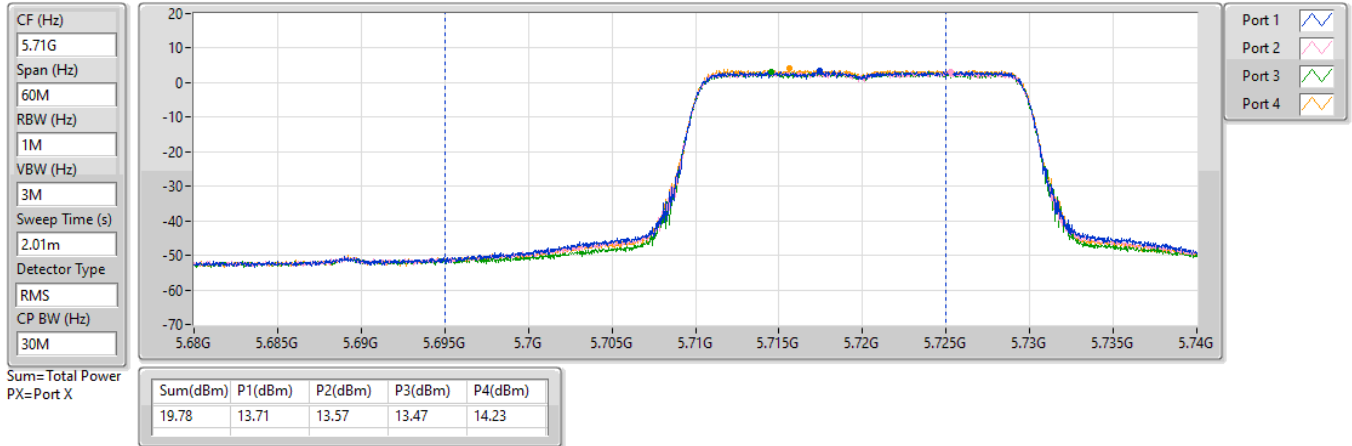


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

19/11/2024

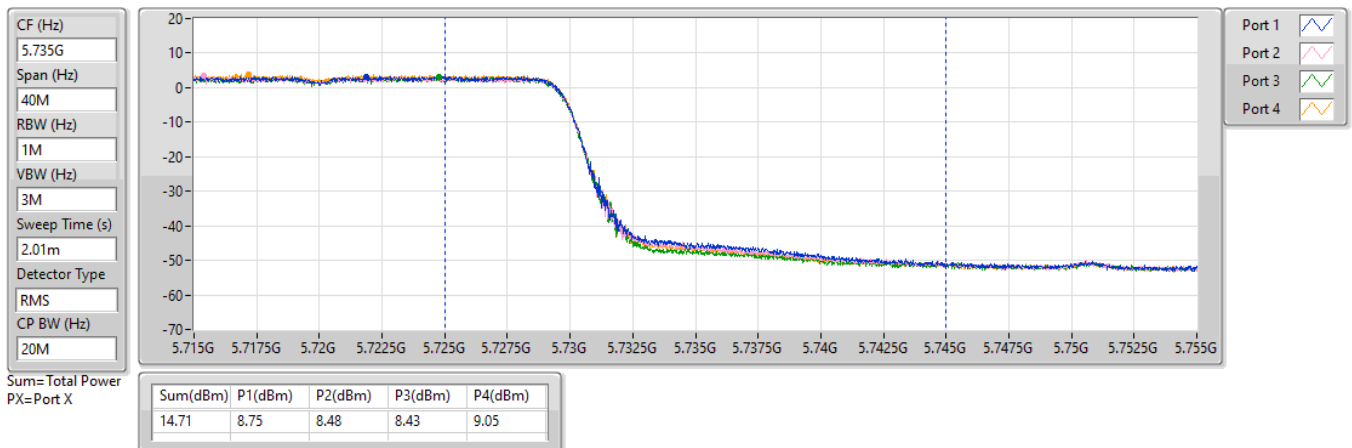


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

19/11/2024

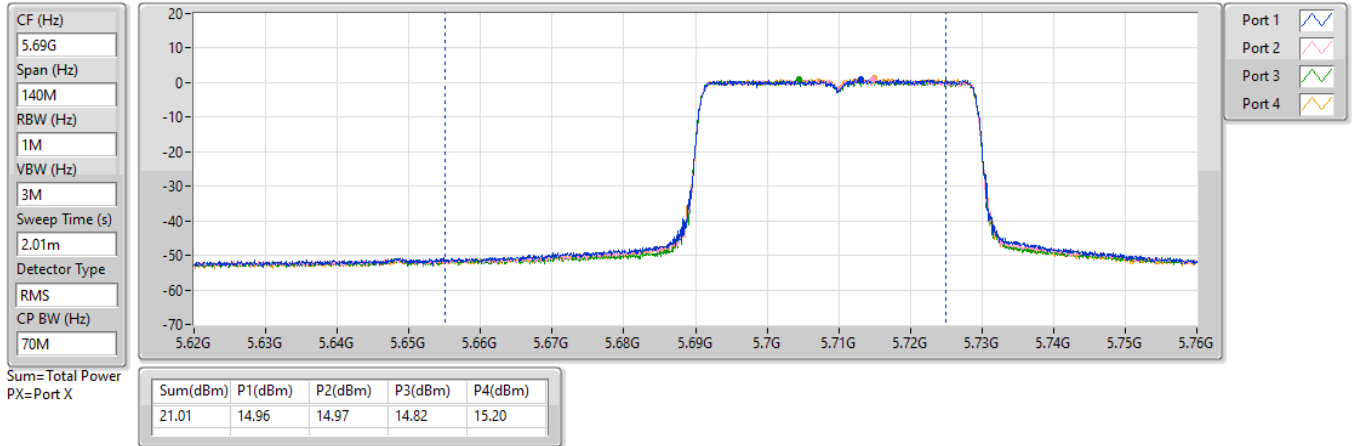


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

19/11/2024

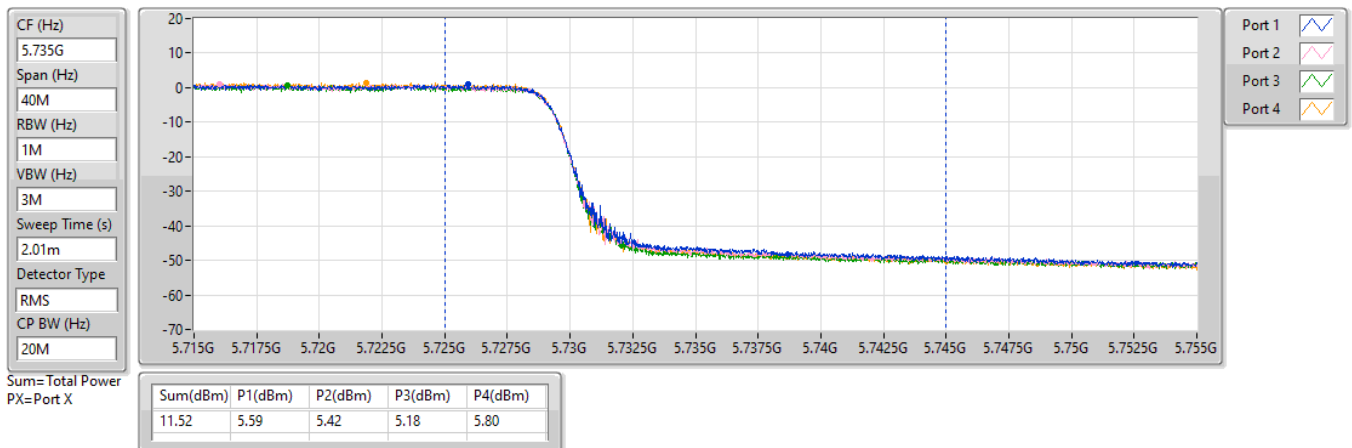


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

19/11/2024

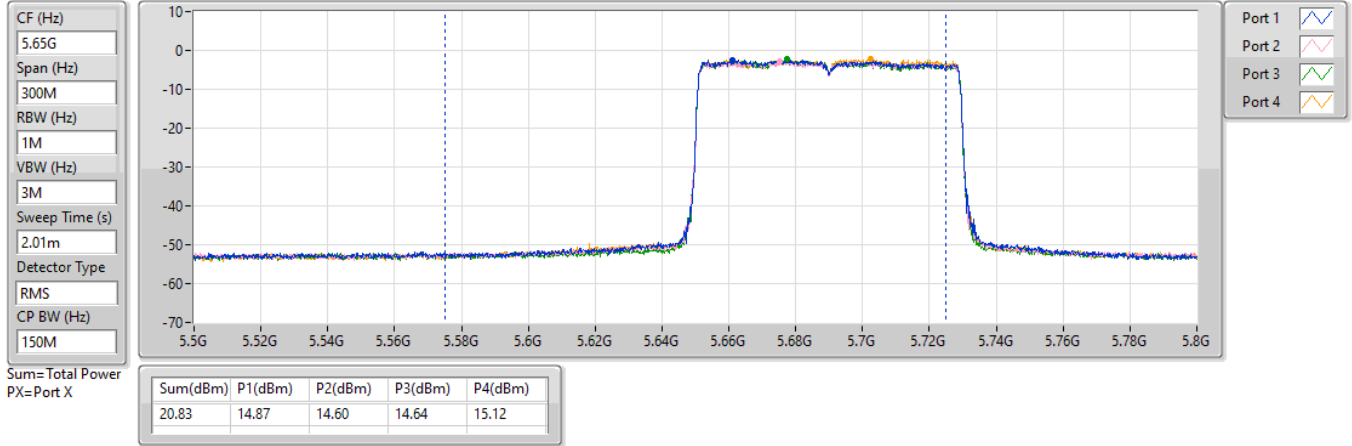


5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

19/11/2024

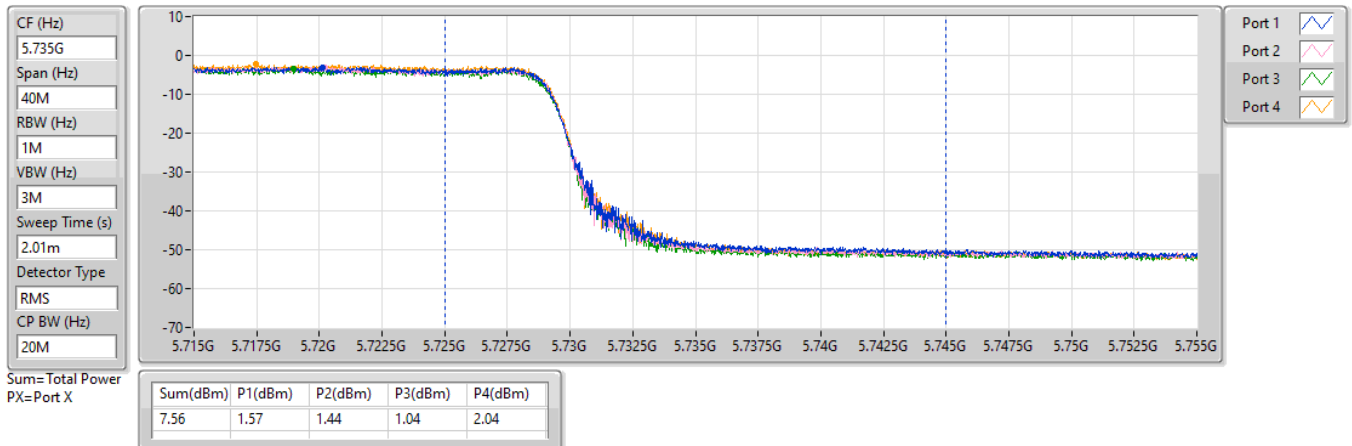


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

19/11/2024

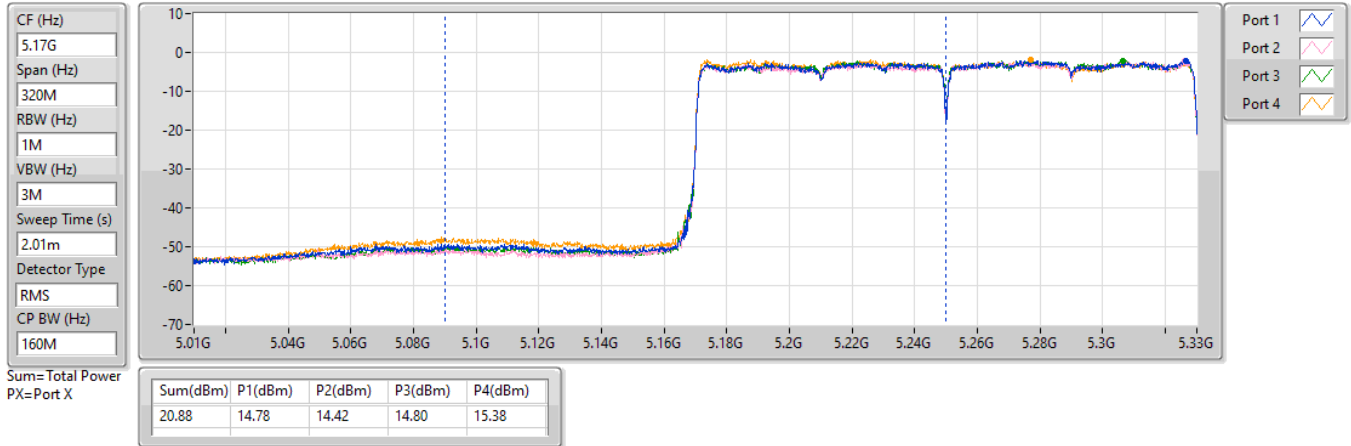


5.15-5.25GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

19/11/2024

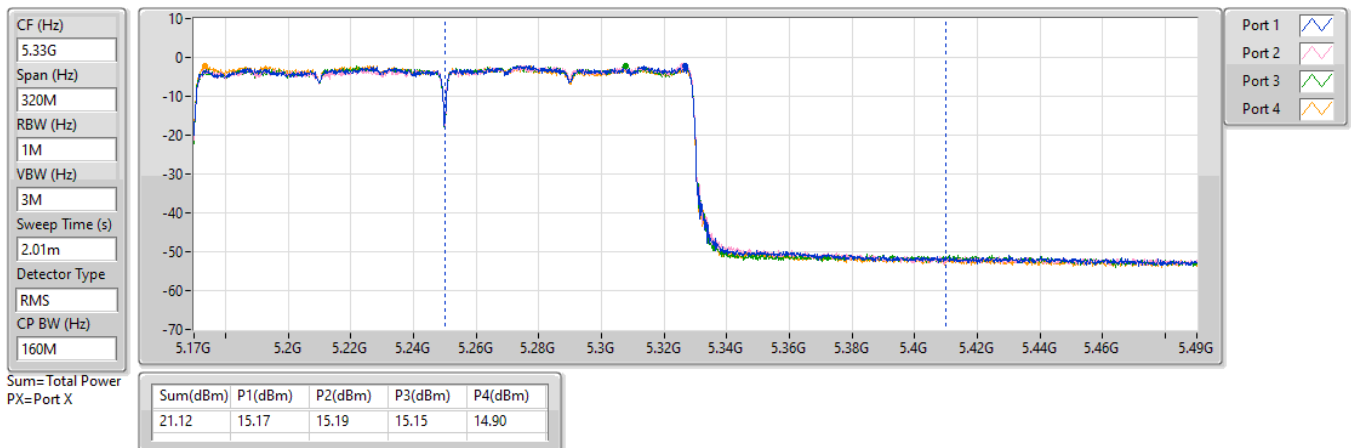


5.25-5.35GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

19/11/2024

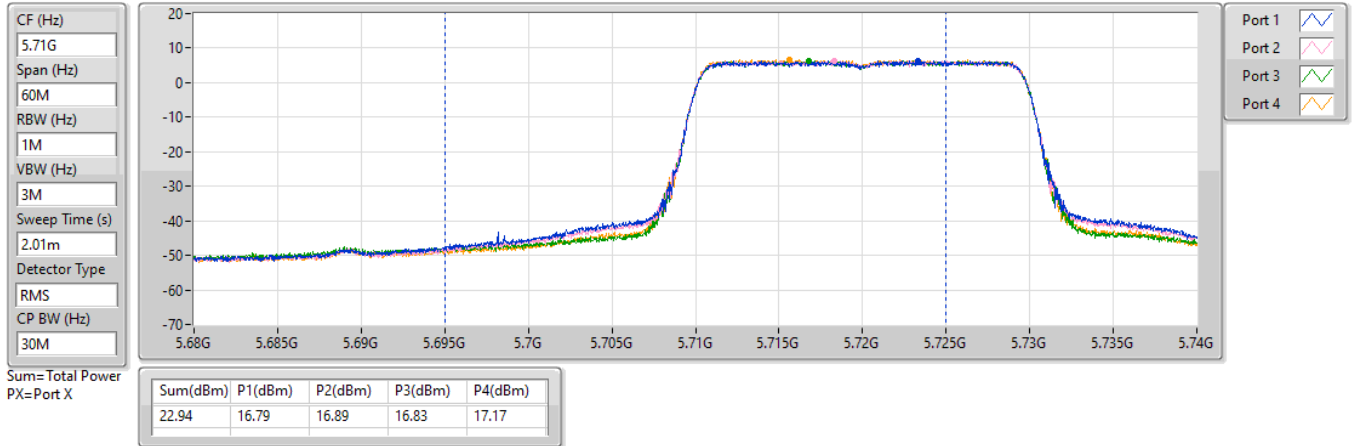


5.47-5.725GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

16/11/2024

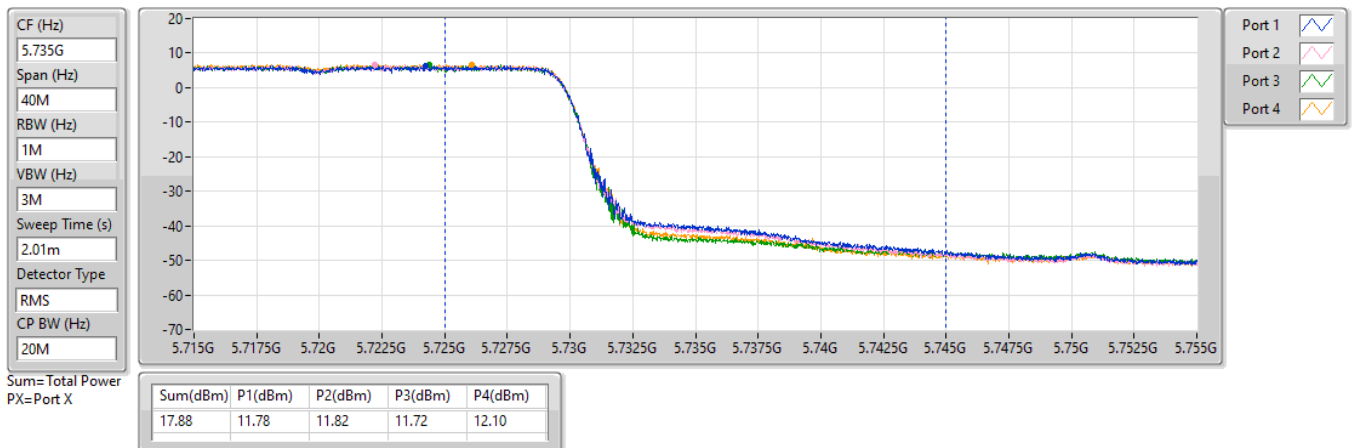


5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

16/11/2024

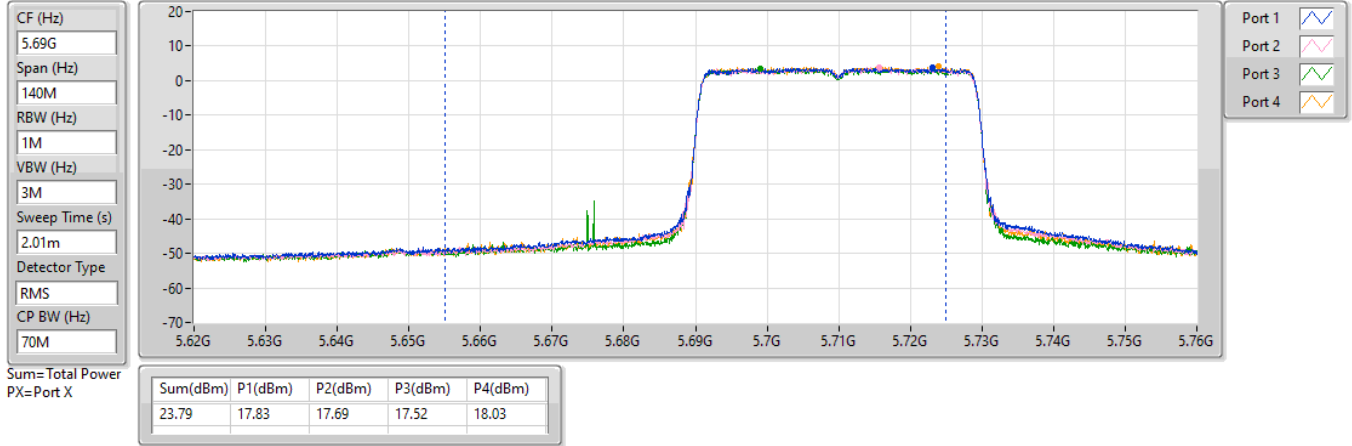


5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

18/11/2024

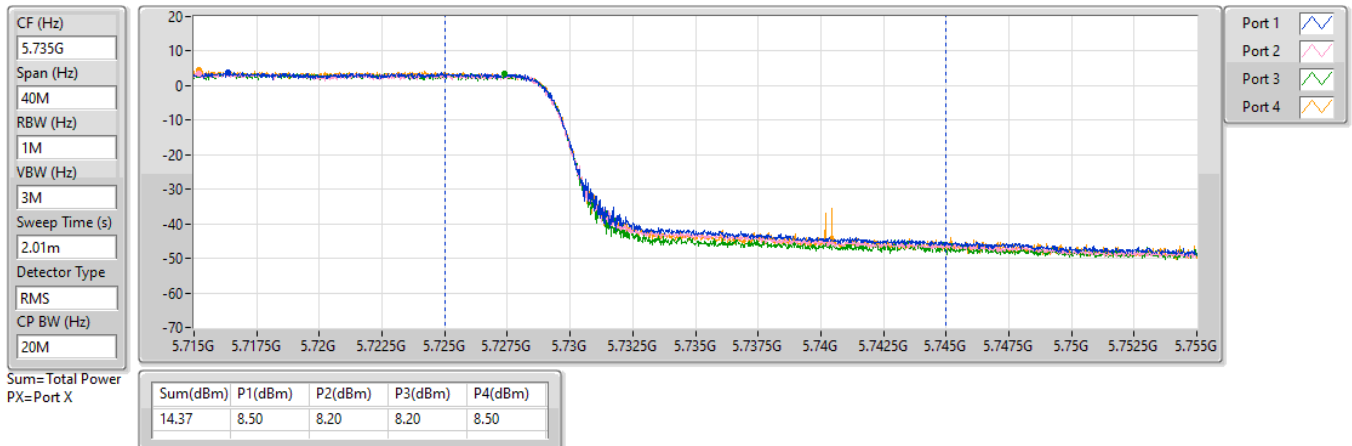


5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

18/11/2024

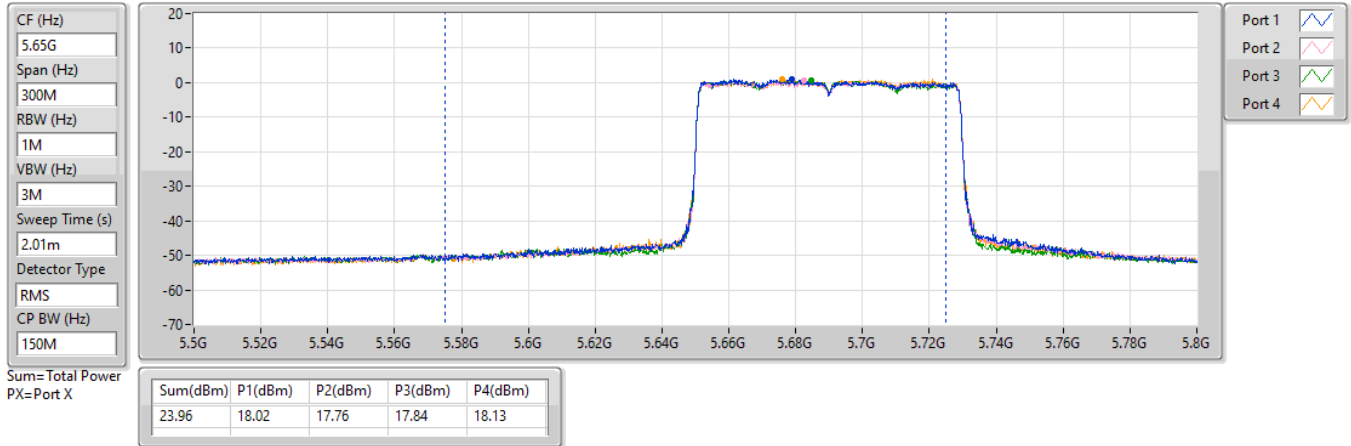


5.47-5.725GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

18/11/2024

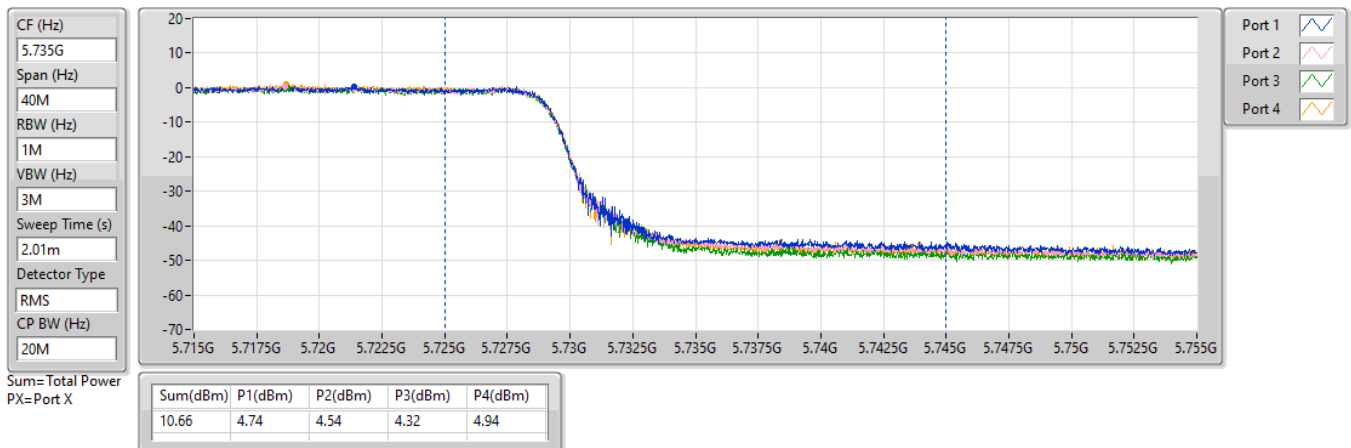


5.725-5.85GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

18/11/2024

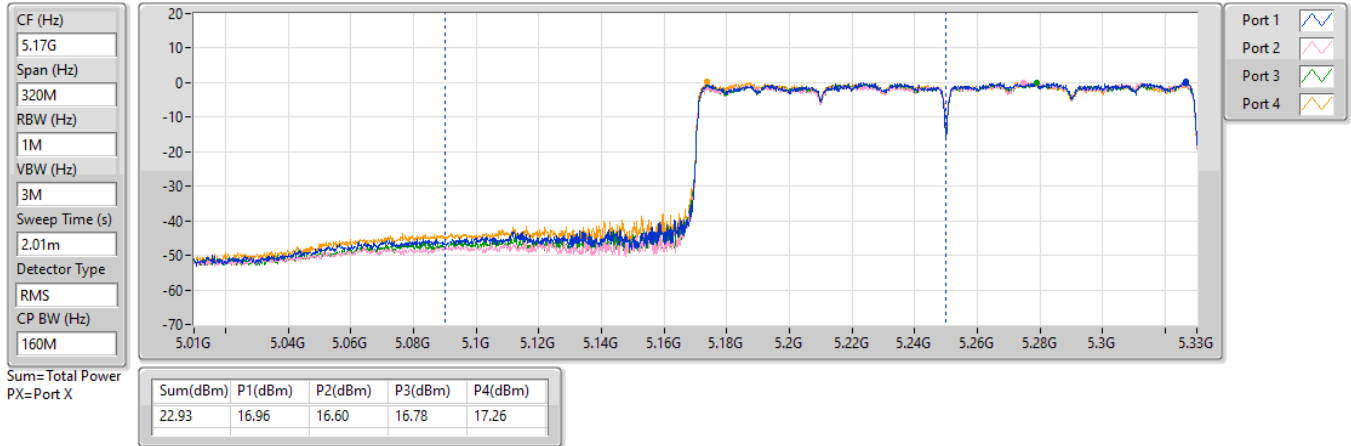


5.15-5.25GHz_802.11be EHT160-BF_Nss2,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

18/11/2024



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

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

18/11/2024



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	14.27
802.11be EHT20-BF_Nss1,(MCS0)_4TX	13.56
802.11be EHT20-BF_Nss2,(MCS0)_4TX	16.27
802.11be EHT40-BF_Nss1,(MCS0)_4TX	10.66
802.11be EHT40-BF_Nss2,(MCS0)_4TX	12.11
802.11be EHT80-BF_Nss1,(MCS0)_4TX	7.18
802.11be EHT80-BF_Nss2,(MCS0)_4TX	7.27
802.11be EHT160-BF_Nss1,(MCS0)_4TX	1.56
802.11be EHT160-BF_Nss2,(MCS0)_4TX	3.81
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	8.26
802.11be EHT20-BF_Nss1,(MCS0)_4TX	7.24
802.11be EHT20-BF_Nss2,(MCS0)_4TX	10.10
802.11be EHT40-BF_Nss1,(MCS0)_4TX	4.27
802.11be EHT40-BF_Nss2,(MCS0)_4TX	7.47
802.11be EHT80-BF_Nss1,(MCS0)_4TX	1.46
802.11be EHT80-BF_Nss2,(MCS0)_4TX	4.84
802.11be EHT160-BF_Nss1,(MCS0)_4TX	1.98
802.11be EHT160-BF_Nss2,(MCS0)_4TX	4.03
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	8.01
802.11be EHT20-BF_Nss1,(MCS0)_4TX	7.11
802.11be EHT20-BF_Nss2,(MCS0)_4TX	10.28
802.11be EHT40-BF_Nss1,(MCS0)_4TX	4.83
802.11be EHT40-BF_Nss2,(MCS0)_4TX	7.65
802.11be EHT80-BF_Nss1,(MCS0)_4TX	1.52
802.11be EHT80-BF_Nss2,(MCS0)_4TX	4.80
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-1.32
802.11be EHT160-BF_Nss2,(MCS0)_4TX	1.98
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.30
802.11be EHT20-BF_Nss1,(MCS0)_4TX	11.69
802.11be EHT20-BF_Nss2,(MCS0)_4TX	14.77
802.11be EHT40-BF_Nss1,(MCS0)_4TX	8.66
802.11be EHT40-BF_Nss2,(MCS0)_4TX	12.09
802.11be EHT80-BF_Nss1,(MCS0)_4TX	6.04
802.11be EHT80-BF_Nss2,(MCS0)_4TX	8.07

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	8.60	7.10	7.35	7.04	7.47	13.09	14.40
5200MHz	Pass	8.60	8.33	8.23	8.27	8.70	14.19	14.40
5240MHz	Pass	8.60	8.64	8.16	8.30	8.76	14.27	14.40
5260MHz	Pass	8.70	2.33	2.19	2.30	2.58	8.16	8.30
5300MHz	Pass	8.70	2.13	2.16	2.47	2.64	8.15	8.30
5320MHz	Pass	8.70	2.24	2.34	2.32	2.74	8.26	8.30
5500MHz	Pass	8.94	1.99	2.06	1.94	2.50	7.95	8.06
5580MHz	Pass	8.94	2.04	2.02	1.89	2.58	8.00	8.06
5700MHz	Pass	8.94	2.16	1.90	1.88	2.43	7.91	8.06
5720MHz Straddle 5.47-5.725GHz	Pass	8.94	2.09	1.89	1.89	2.69	8.01	8.06
5720MHz Straddle 5.725-5.85GHz	Pass	9.07	0.39	0.40	0.24	0.78	6.25	26.93
5745MHz	Pass	9.07	9.51	9.22	9.08	9.47	15.27	26.93
5785MHz	Pass	9.07	9.48	9.45	9.17	9.46	15.30	26.93
5825MHz	Pass	9.07	9.37	9.17	8.95	9.52	15.15	26.93
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.60	6.13	6.16	5.90	6.21	12.03	14.40
5200MHz	Pass	8.60	7.69	7.39	7.50	7.76	13.56	14.40
5240MHz	Pass	8.60	7.47	7.48	7.34	7.60	13.40	14.40
5260MHz	Pass	8.70	1.34	1.30	1.21	1.39	7.24	8.30
5300MHz	Pass	8.70	1.00	1.00	1.17	1.31	7.07	8.30
5320MHz	Pass	8.70	1.29	1.35	0.99	1.38	7.15	8.30
5500MHz	Pass	8.94	0.71	0.76	0.59	1.26	6.77	8.06
5580MHz	Pass	8.94	0.75	0.72	0.81	1.30	6.89	8.06
5700MHz	Pass	8.94	1.05	0.96	1.06	1.54	7.10	8.06
5720MHz Straddle 5.47-5.725GHz	Pass	8.94	1.18	1.07	0.84	1.65	7.11	8.06
5720MHz Straddle 5.725-5.85GHz	Pass	9.07	-0.31	-0.46	-0.70	0.00	5.59	26.93
5745MHz	Pass	9.07	5.91	5.68	5.44	6.00	11.69	26.93
5785MHz	Pass	9.07	5.61	5.47	5.31	5.45	11.40	26.93
5825MHz	Pass	9.07	5.65	5.75	5.48	5.81	11.52	26.93
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.60	3.55	3.46	3.55	3.67	9.46	14.40
5230MHz	Pass	8.60	4.93	4.41	4.73	4.90	10.66	14.40
5270MHz	Pass	8.70	-1.59	-1.87	-1.58	-1.61	4.27	8.30
5310MHz	Pass	8.70	-1.79	-1.84	-1.64	-1.71	4.21	8.30
5510MHz	Pass	8.94	-1.78	-1.87	-2.10	-1.65	4.08	8.06
5550MHz	Pass	8.94	-1.65	-2.14	-1.94	-1.49	4.12	8.06
5670MHz	Pass	8.94	-1.53	-1.98	-1.70	-1.69	4.23	8.06
5710MHz Straddle 5.47-5.725GHz	Pass	8.94	-1.22	-1.19	-1.44	-0.76	4.83	8.06
5710MHz Straddle 5.725-5.85GHz	Pass	9.07	-2.84	-2.93	-3.20	-2.61	3.12	26.93
5755MHz	Pass	9.07	2.92	2.64	2.60	2.87	8.65	26.93
5795MHz	Pass	9.07	2.61	2.75	2.62	3.06	8.66	26.93
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.60	1.41	1.23	1.18	1.27	7.18	14.40
5290MHz	Pass	8.70	-4.46	-4.62	-4.37	-4.41	1.46	8.30
5530MHz	Pass	8.94	-4.45	-4.75	-4.69	-4.59	1.35	8.06
5610MHz	Pass	8.94	-4.68	-4.79	-4.86	-4.39	1.26	8.06
5690MHz Straddle 5.47-5.725GHz	Pass	8.94	-4.42	-4.62	-4.54	-4.03	1.52	8.06
5690MHz Straddle 5.725-5.85GHz	Pass	9.07	-6.52	-6.82	-6.91	-6.01	-0.57	26.93
5775MHz	Pass	9.07	0.31	-0.12	0.23	-0.07	6.04	26.93
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.60	-4.45	-5.00	-4.33	-3.92	1.56	14.40
5250MHz Straddle 5.25-5.35GHz	Pass	8.70	-3.95	-4.08	-3.95	-4.10	1.98	8.30
5570MHz	Pass	8.94	-7.07	-7.08	-7.22	-7.23	-1.32	8.06
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	5.59	6.32	6.55	6.29	6.74	12.44	17.00
5200MHz	Pass	5.59	9.76	9.66	9.58	9.76	15.51	17.00
5240MHz	Pass	5.59	10.35	10.13	10.30	10.53	16.27	17.00
5260MHz	Pass	5.70	4.04	4.06	4.03	4.34	10.08	11.00
5300MHz	Pass	5.70	3.86	3.96	4.04	4.06	9.93	11.00
5320MHz	Pass	5.70	4.14	4.11	4.10	4.37	10.10	11.00
5500MHz	Pass	5.94	3.88	4.04	3.94	4.28	9.95	11.00
5580MHz	Pass	5.94	4.27	4.08	4.08	4.37	10.16	11.00
5700MHz	Pass	5.94	4.24	4.26	4.28	4.54	10.28	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.94	4.17	4.27	4.17	4.50	10.22	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	6.09	2.67	2.69	2.65	3.04	8.72	29.91
5745MHz	Pass	6.09	8.83	8.74	8.70	9.00	14.77	29.91
5785MHz	Pass	6.09	8.84	8.92	8.65	8.76	14.70	29.91
5825MHz	Pass	6.09	8.87	8.81	8.59	9.08	14.75	29.91
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.59	3.98	3.83	3.72	3.72	9.75	17.00
5230MHz	Pass	5.59	6.12	5.93	6.11	6.31	12.11	17.00
5270MHz	Pass	5.70	1.03	1.27	1.20	1.49	7.23	11.00
5310MHz	Pass	5.70	1.39	1.44	1.44	1.71	7.47	11.00
5510MHz	Pass	5.94	1.37	1.33	1.06	1.55	7.28	11.00
5550MHz	Pass	5.94	1.59	1.22	1.33	1.55	7.39	11.00
5670MHz	Pass	5.94	1.69	1.31	1.29	1.65	7.42	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.94	1.69	1.61	1.51	1.90	7.65	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	6.09	0.03	-0.17	-0.18	0.37	6.04	29.91
5755MHz	Pass	6.09	6.27	6.03	5.93	6.27	12.09	29.91
5795MHz	Pass	6.09	5.82	6.19	5.73	6.27	11.97	29.91
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.59	1.48	1.07	1.10	1.47	7.27	17.00
5290MHz	Pass	5.70	-1.06	-1.26	-1.15	-1.17	4.84	11.00
5530MHz	Pass	5.94	-0.98	-1.25	-1.28	-1.22	4.80	11.00
5610MHz	Pass	5.94	-1.28	-1.28	-1.38	-1.05	4.74	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.94	-1.03	-1.47	-1.19	-0.90	4.75	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	6.09	-3.30	-3.39	-3.75	-3.08	2.63	29.91
5775MHz	Pass	6.09	2.05	2.00	2.13	2.12	8.07	29.91
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.59	-2.18	-2.48	-2.30	-1.91	3.81	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.70	-1.78	-1.88	-2.08	-2.13	4.03	11.00
5570MHz	Pass	5.94	-3.73	-3.90	-4.00	-4.02	1.98	11.00

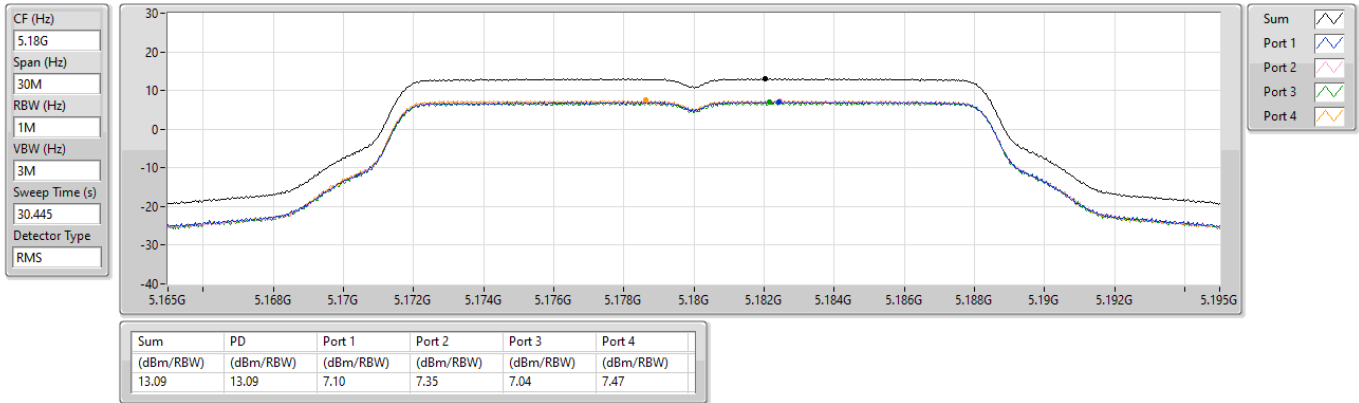
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

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

PSD

5180MHz

15/11/2024

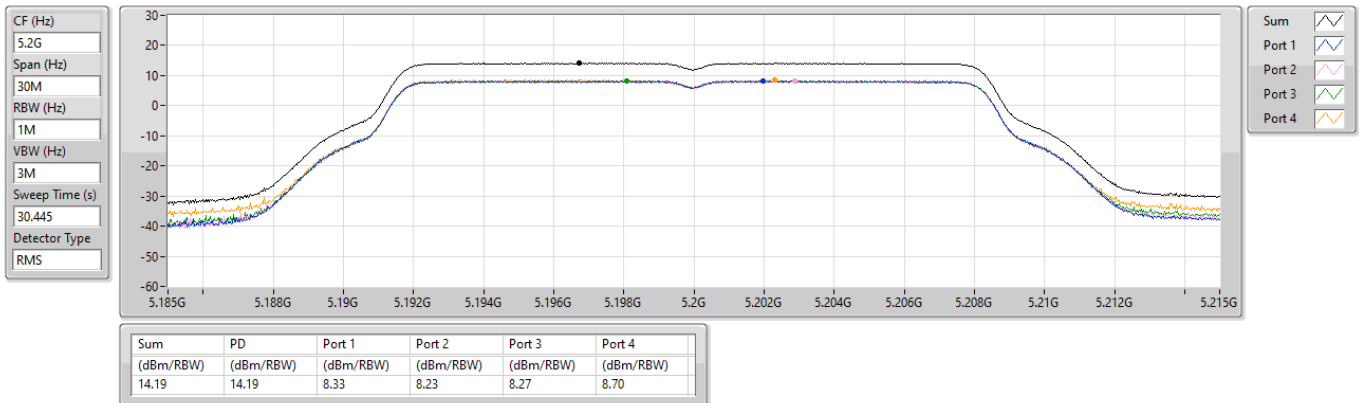


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

19/11/2024



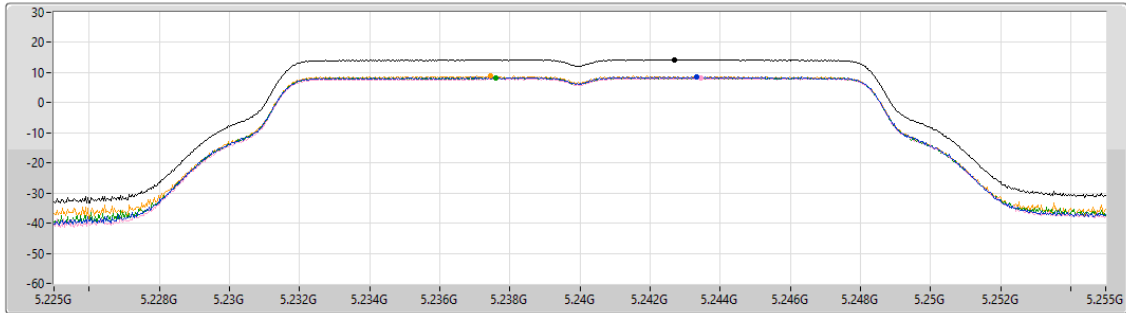
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

19/11/2024

CF (Hz)
5.24G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
30.445
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.27	14.27	8.64	8.16	8.30	8.76

Sum
Port 1
Port 2
Port 3
Port 4

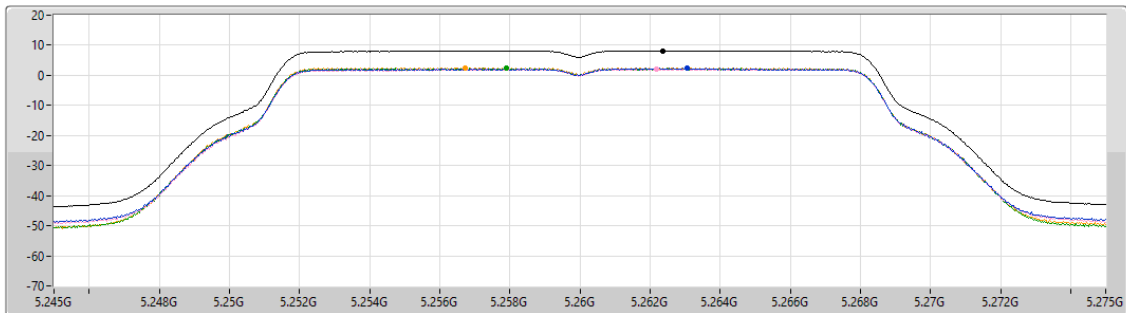
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

19/11/2024

CF (Hz)
5.26G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
30.445
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.16	8.16	2.33	2.19	2.30	2.58

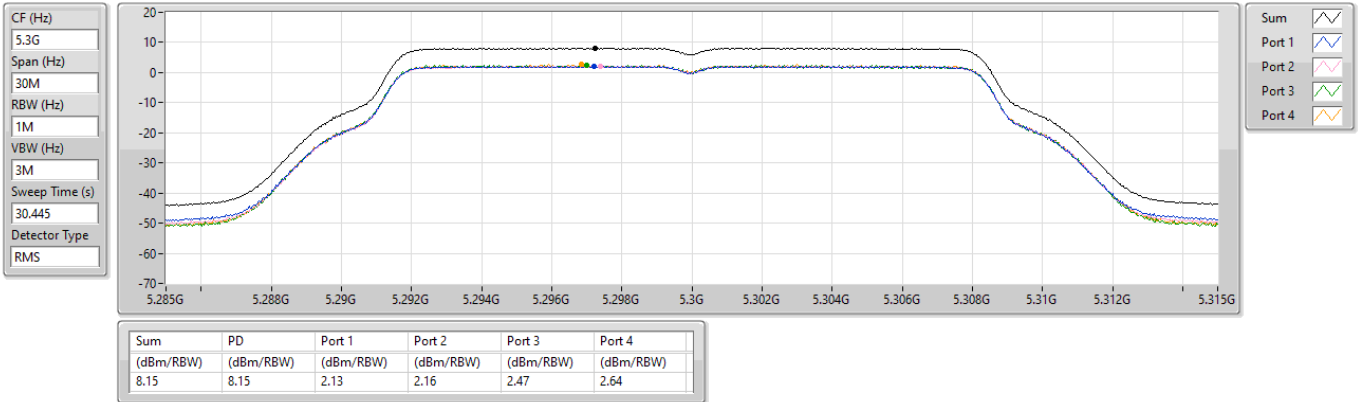
Sum
Port 1
Port 2
Port 3
Port 4

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

PSD

5300MHz

19/11/2024

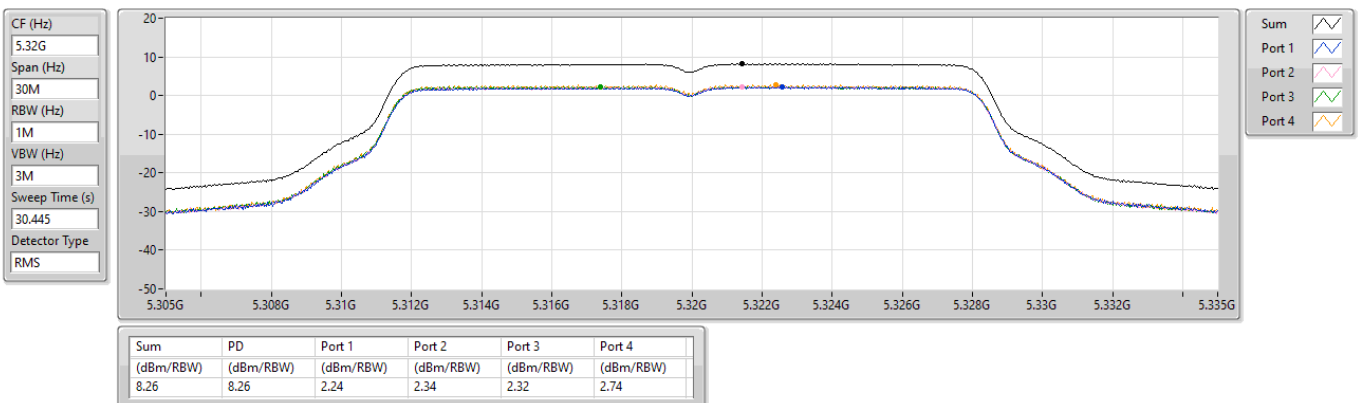


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

19/11/2024



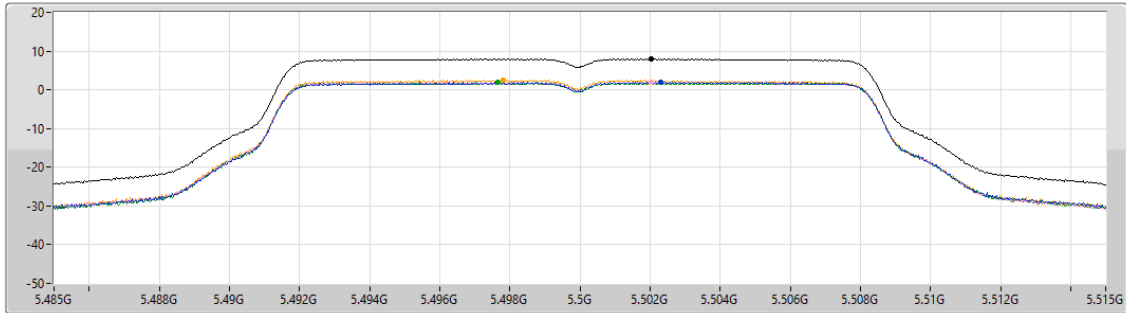
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

19/11/2024

CF (Hz)
5.5G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
30.445
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

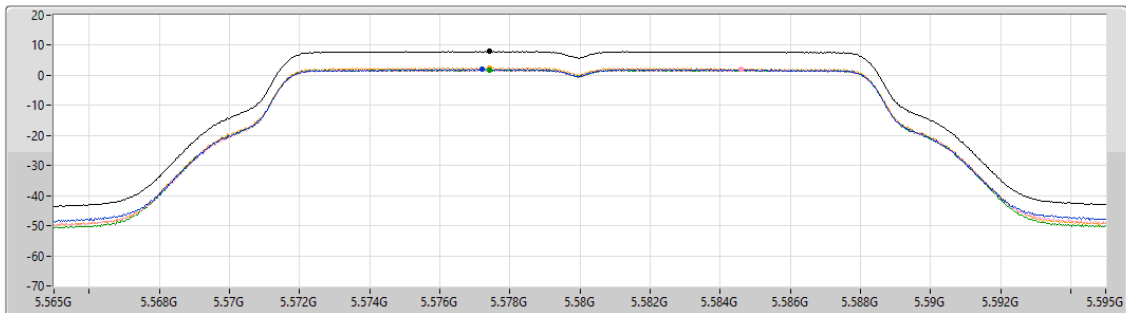
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

19/11/2024

CF (Hz)
5.58G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
30.445
Detector Type
RMS



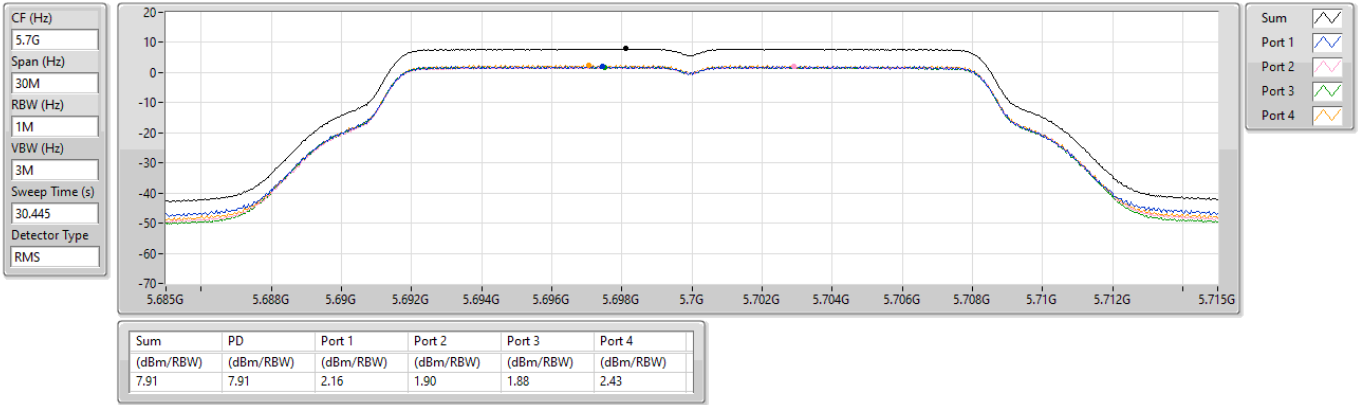
Sum
Port 1
Port 2
Port 3
Port 4

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

PSD

5700MHz

19/11/2024

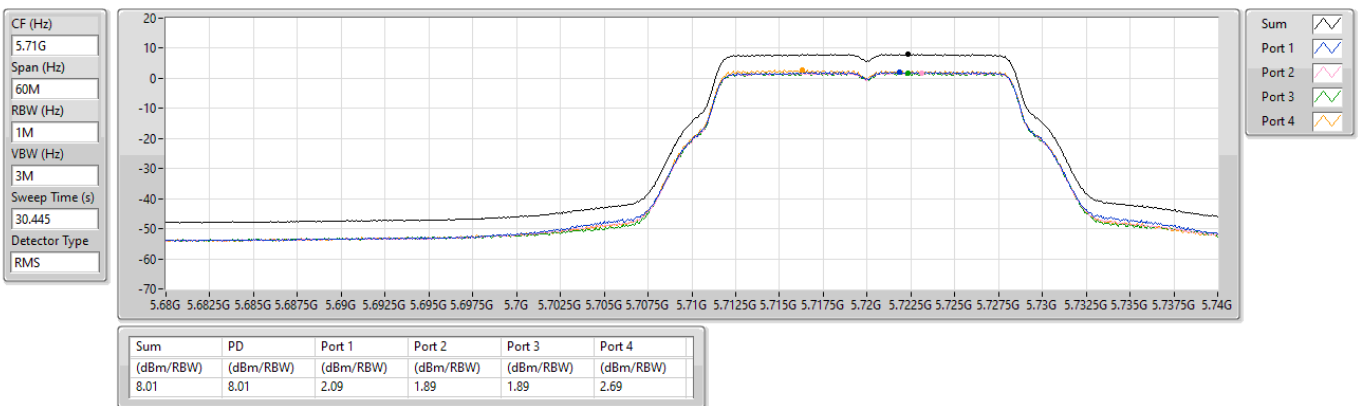


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

19/11/2024

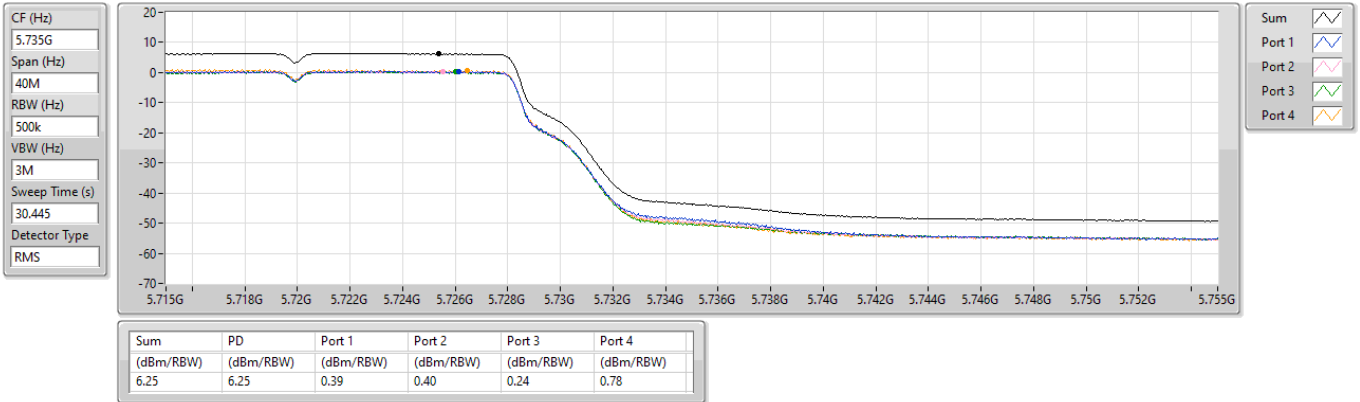


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

19/11/2024

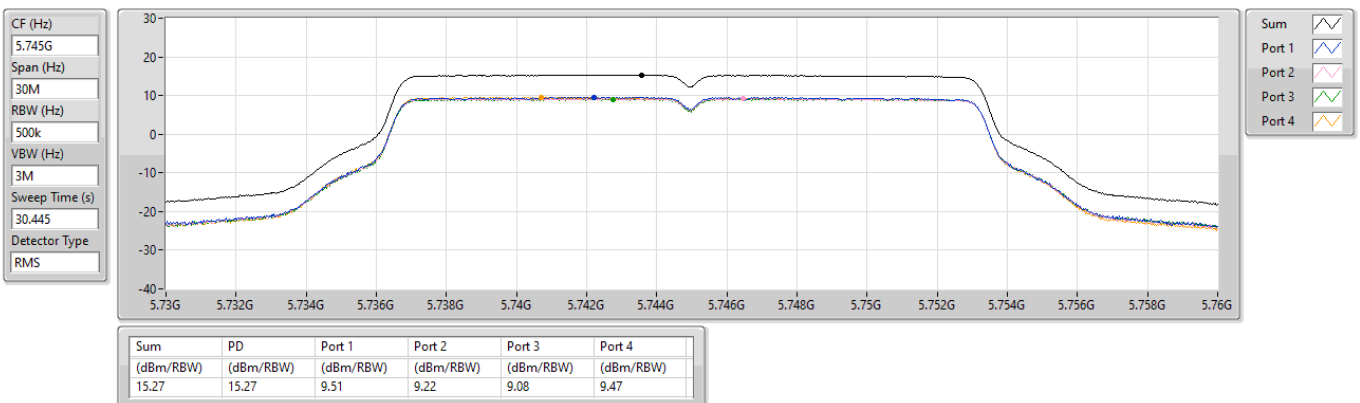


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

15/11/2024



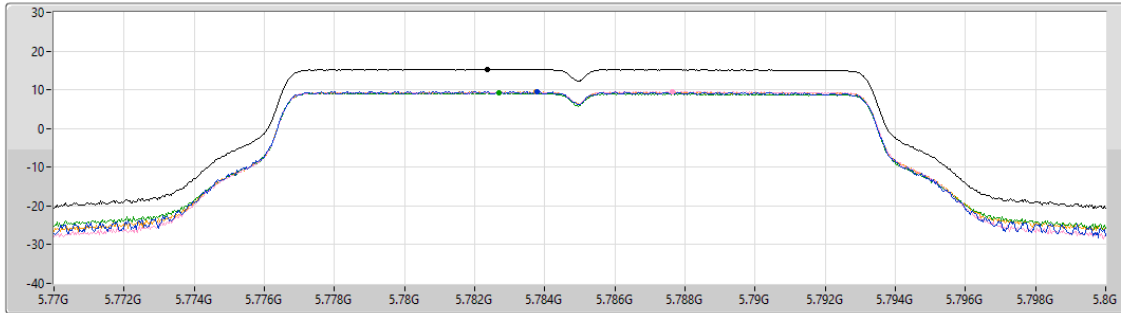
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

15/11/2024

CF (Hz)
5.785G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
30.445
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.30	15.30	9.48	9.45	9.17	9.46

Sum
Port 1
Port 2
Port 3
Port 4

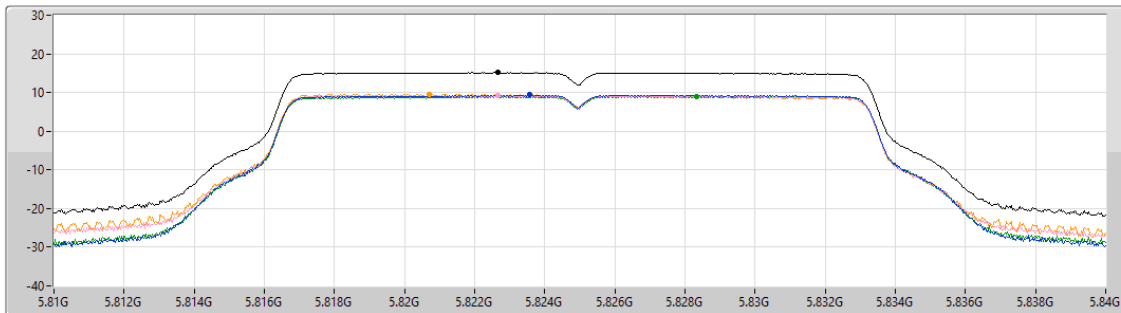
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

15/11/2024

CF (Hz)
5.825G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
30.445
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.15	15.15	9.37	9.17	8.95	9.52

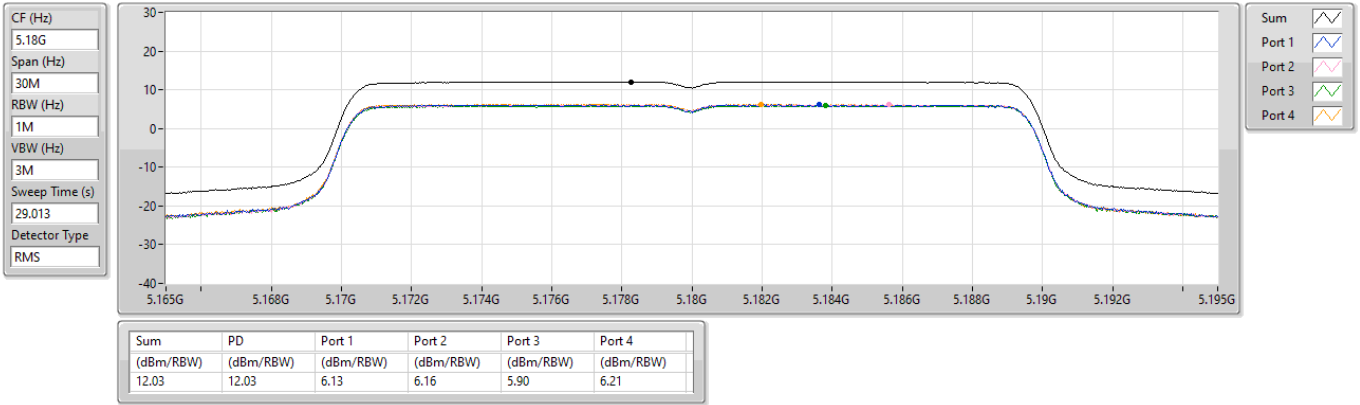
Sum
Port 1
Port 2
Port 3
Port 4

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

PSD

5180MHz

15/11/2024

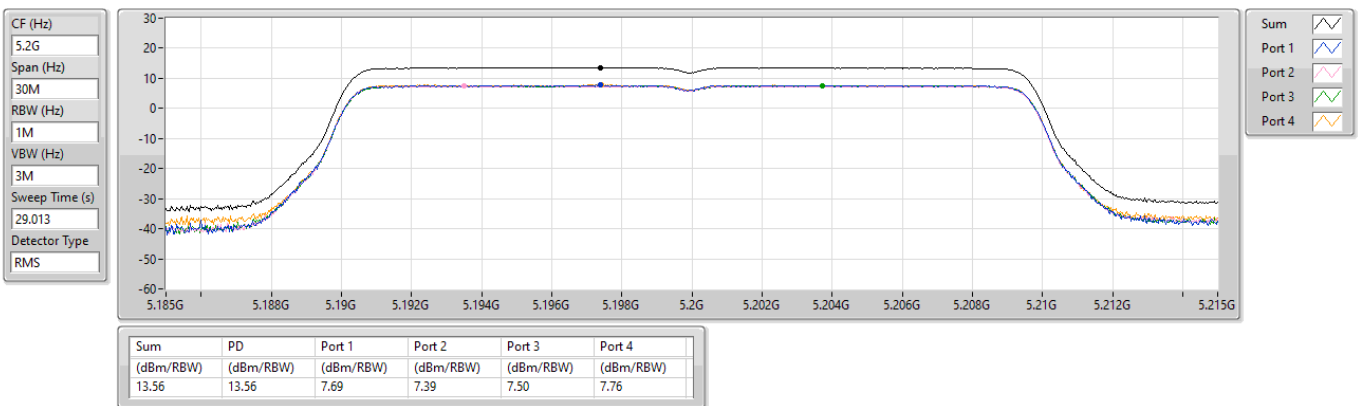


5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

19/11/2024

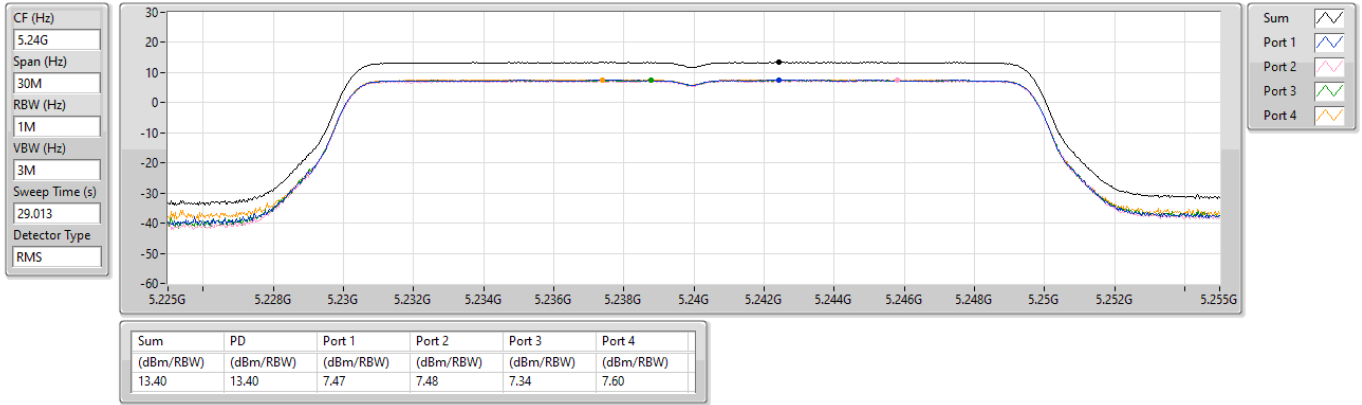


5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

19/11/2024

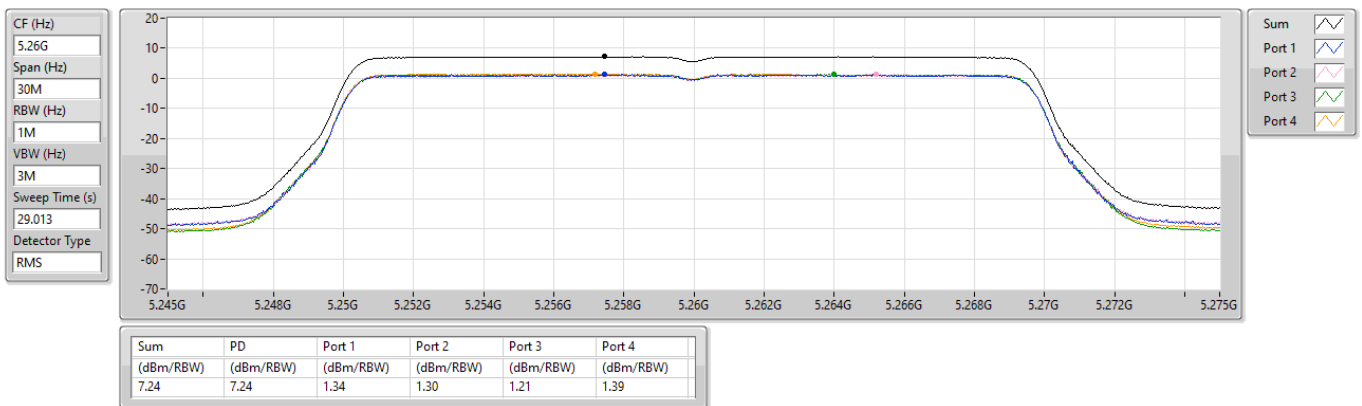


5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

19/11/2024



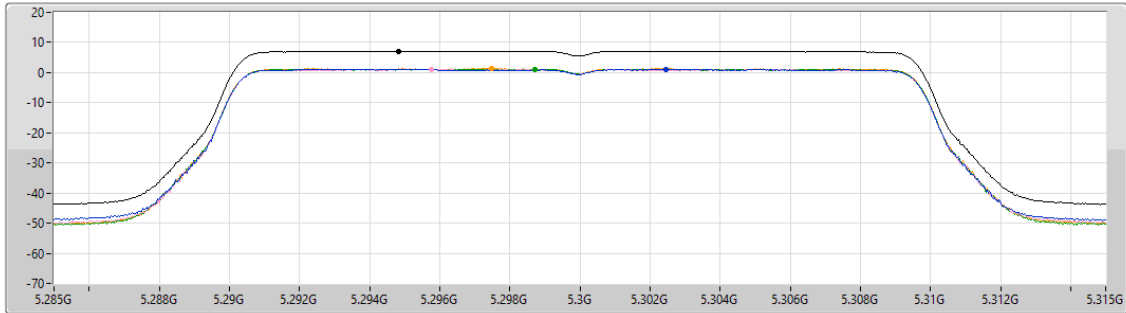
5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

19/11/2024

CF (Hz)
5.3G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
29.013
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.07	7.07	1.00	1.00	1.17	1.31

Sum
Port 1
Port 2
Port 3
Port 4

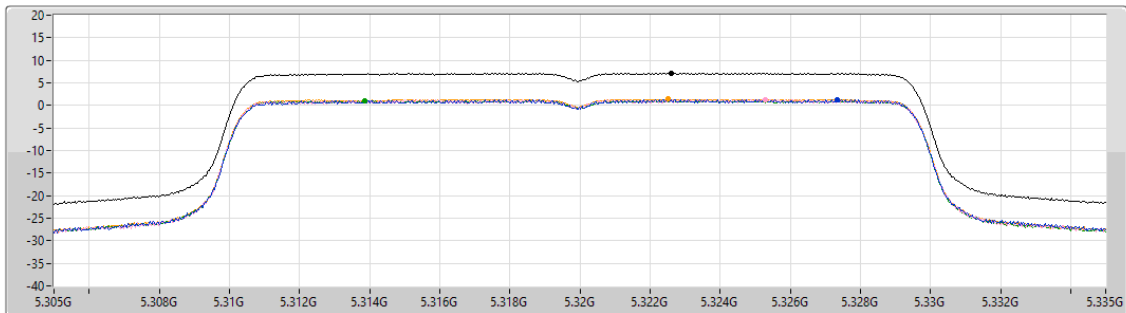
5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

19/11/2024

CF (Hz)
5.32G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
29.013
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.15	7.15	1.29	1.35	0.99	1.38

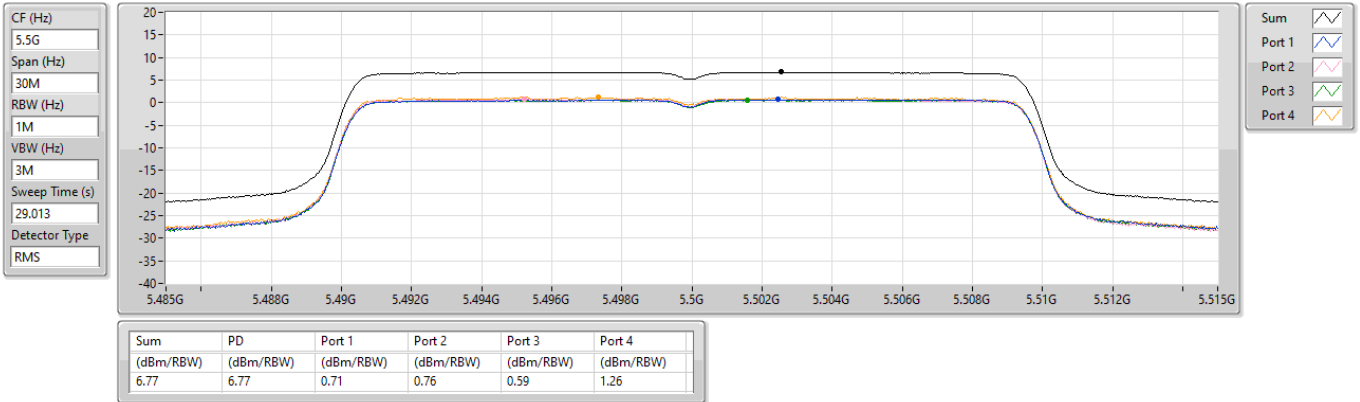
Sum
Port 1
Port 2
Port 3
Port 4

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

PSD

5500MHz

19/11/2024

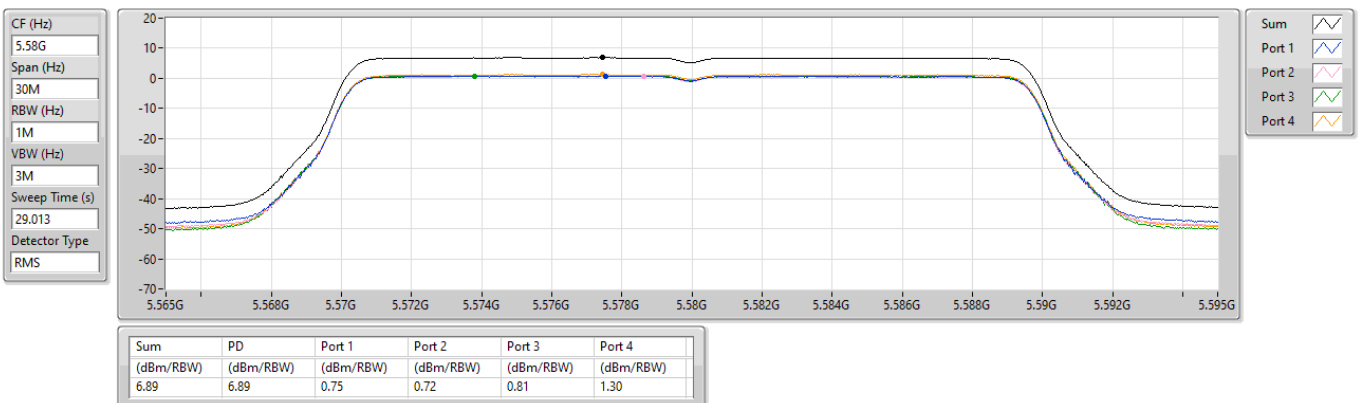


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

19/11/2024



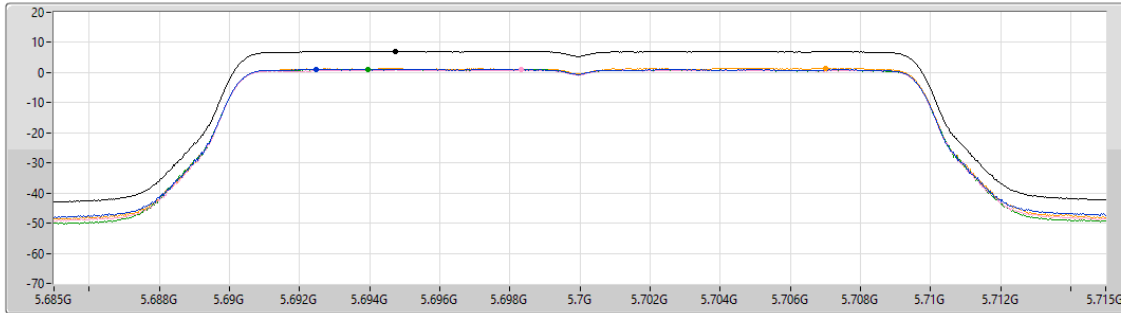
5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

19/11/2024

CF (Hz)
5.7G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
29.013
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.10	7.10	1.05	0.96	1.06	1.54

Sum
Port 1
Port 2
Port 3
Port 4

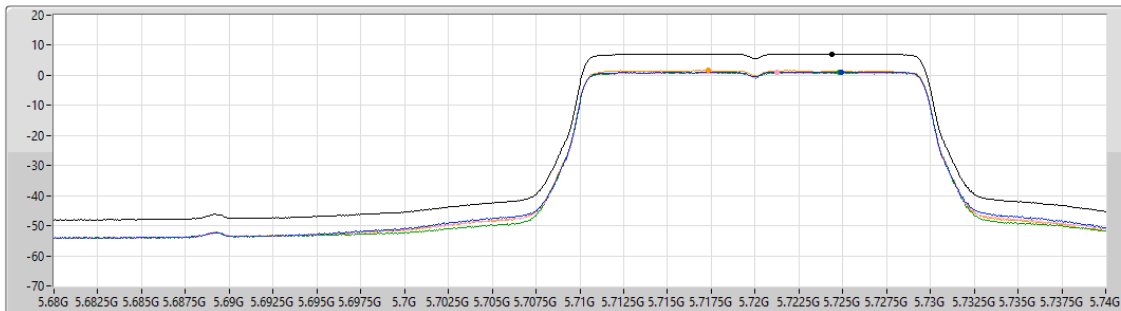
5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

19/11/2024

CF (Hz)
5.71G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
29.013
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.11	7.11	1.18	1.07	0.84	1.65

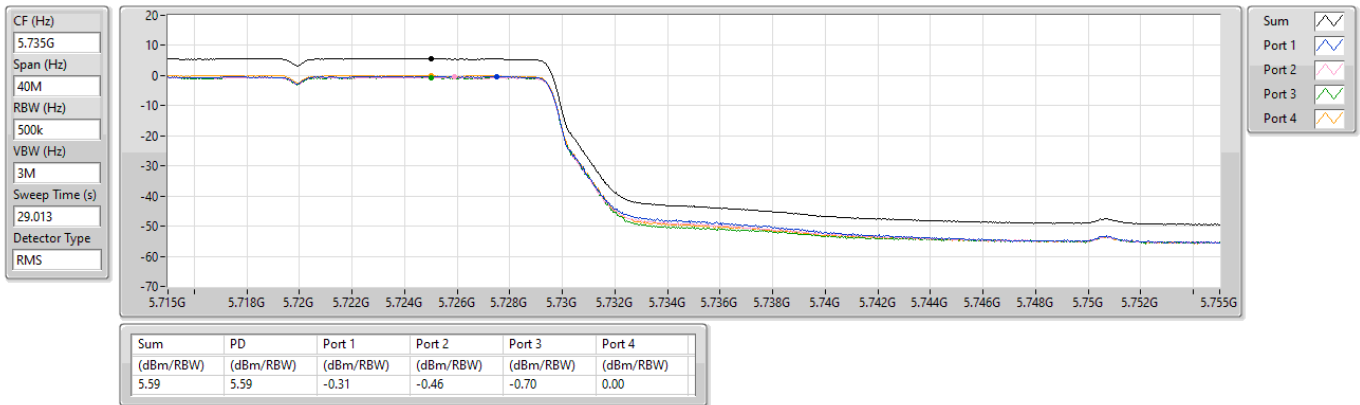
Sum
Port 1
Port 2
Port 3
Port 4

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

PSD

5720MHz Straddle 5.725-5.85GHz

19/11/2024

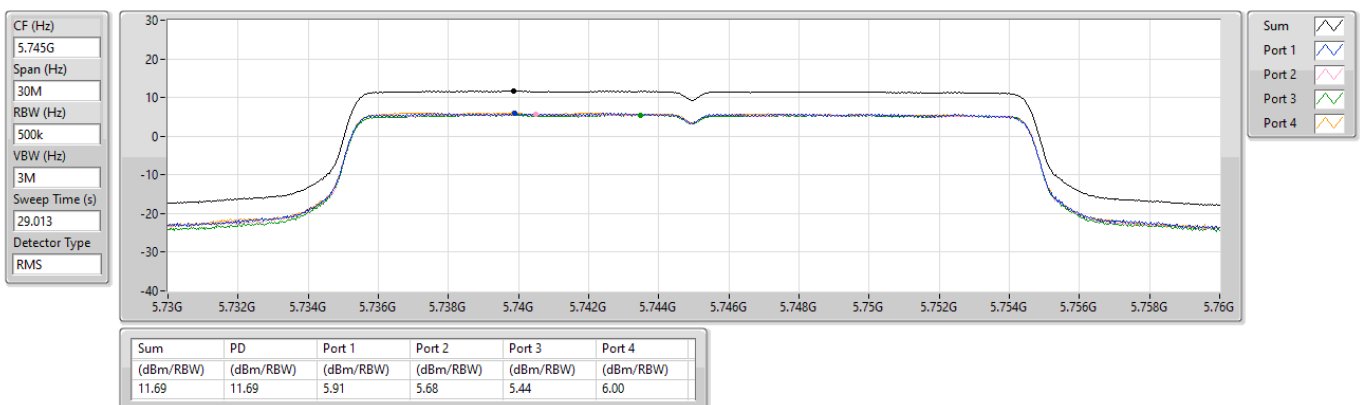


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

19/11/2024

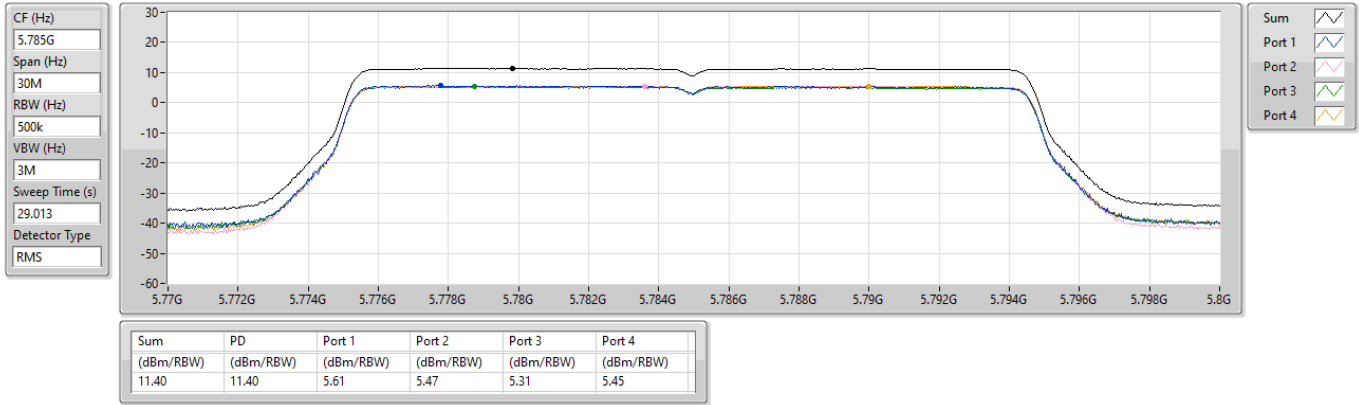


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

19/11/2024

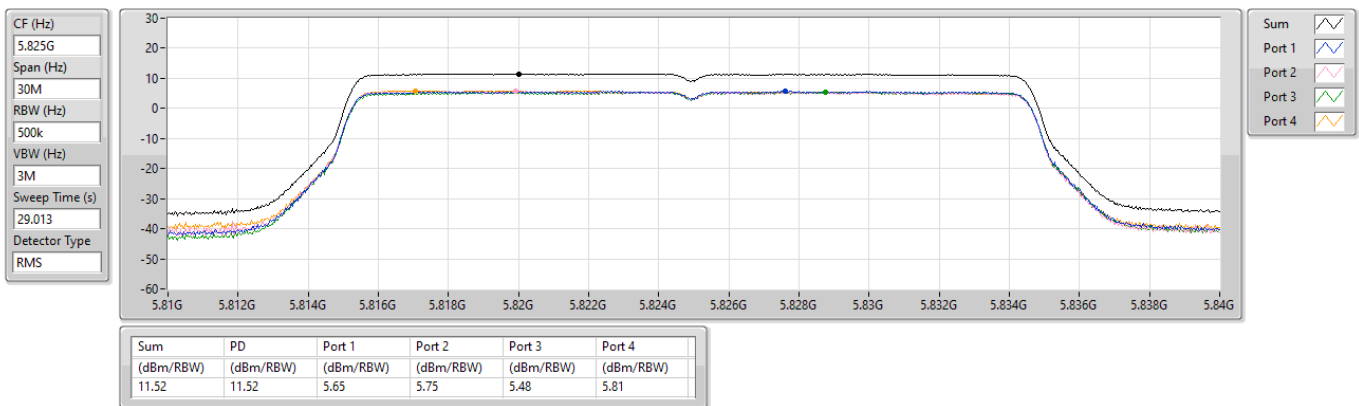


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

19/11/2024

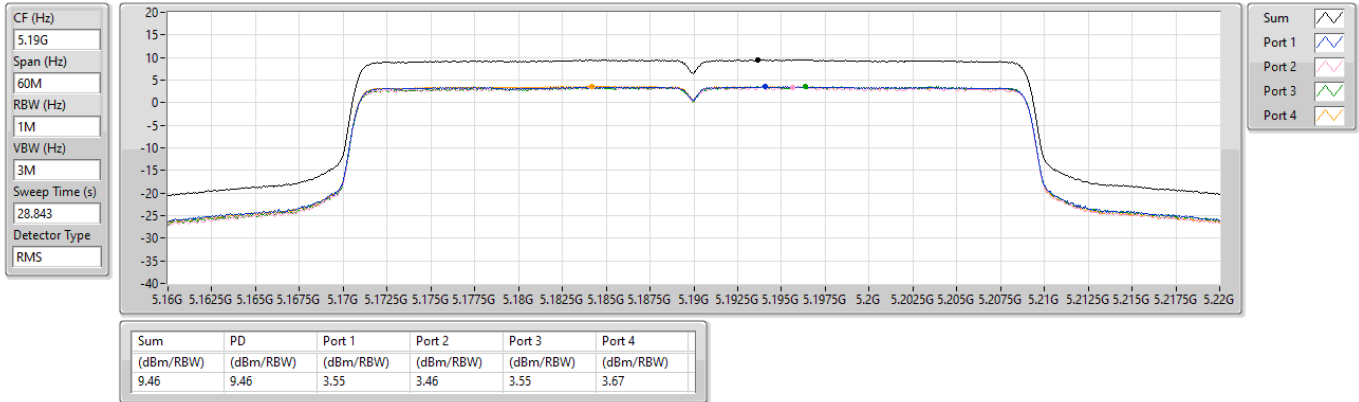


5.15-5.25GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

15/11/2024

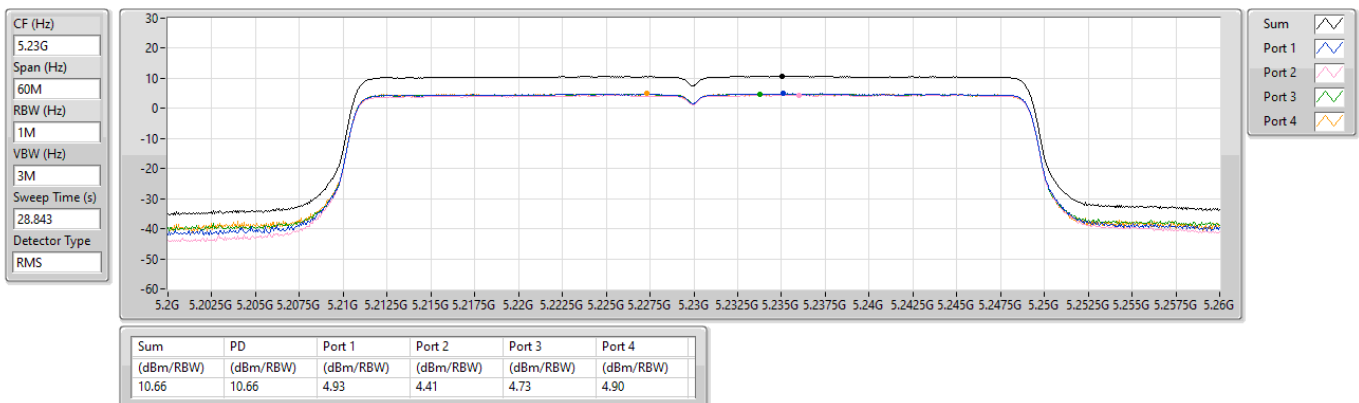


5.15-5.25GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

19/11/2024



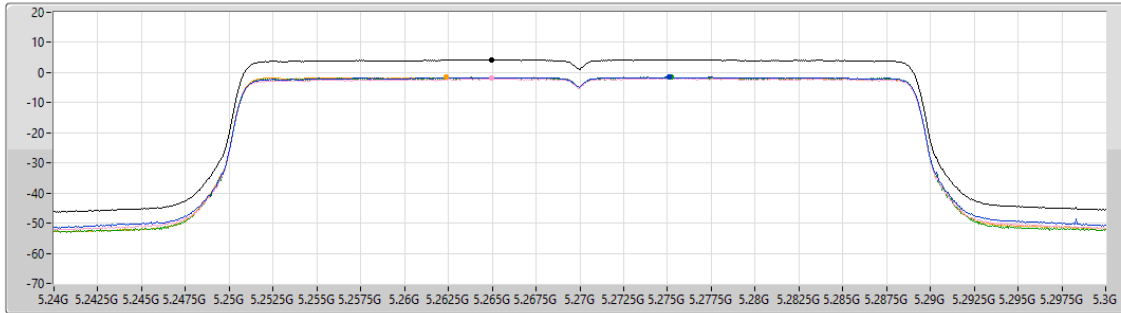
5.25-5.35GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

19/11/2024

CF (Hz)
5.27G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
28.843
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.27	4.27	-1.59	-1.87	-1.58	-1.61

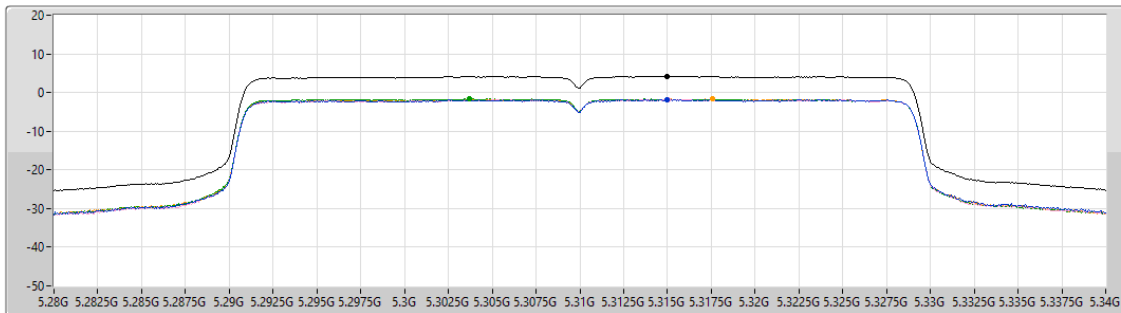
5.25-5.35GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

19/11/2024

CF (Hz)
5.31G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
28.843
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.21	4.21	-1.79	-1.84	-1.64	-1.71

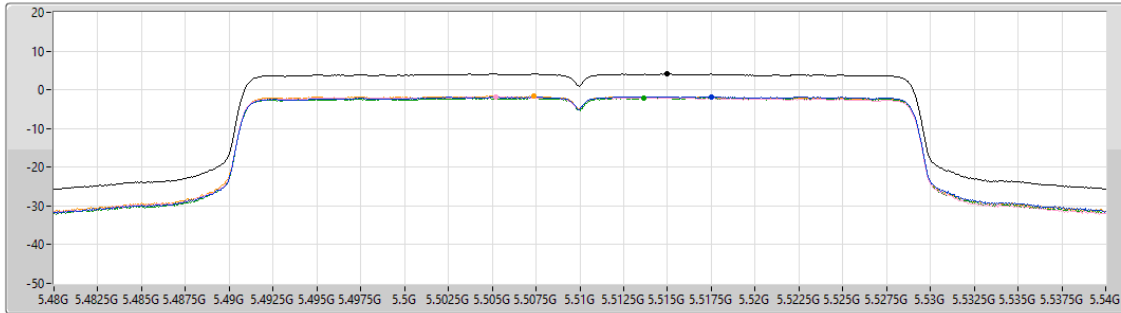
5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

19/11/2024

CF (Hz)
5.51G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
28.843
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.08	4.08	-1.78	-1.87	-2.10	-1.65

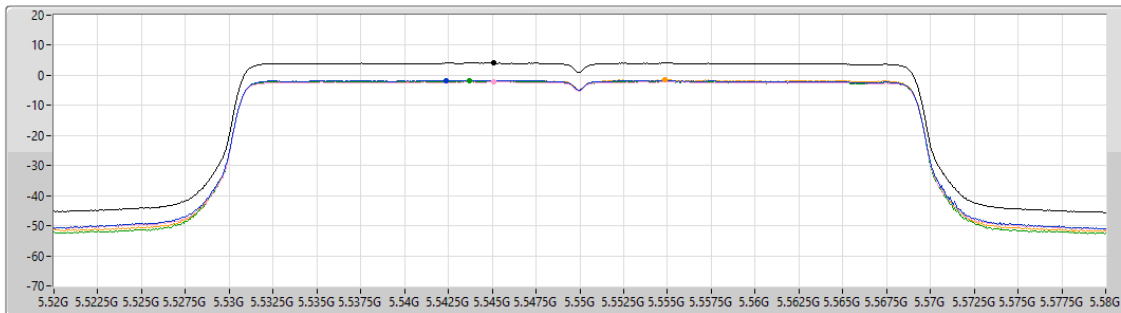
5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

19/11/2024

CF (Hz)
5.55G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
28.843
Detector Type
RMS



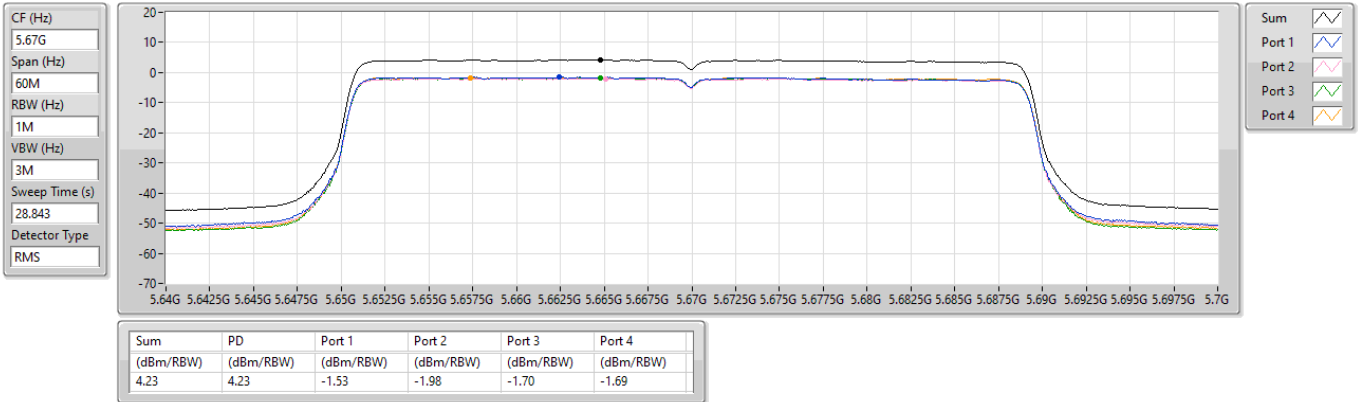
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.12	4.12	-1.65	-2.14	-1.94	-1.49

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

PSD

5670MHz

19/11/2024

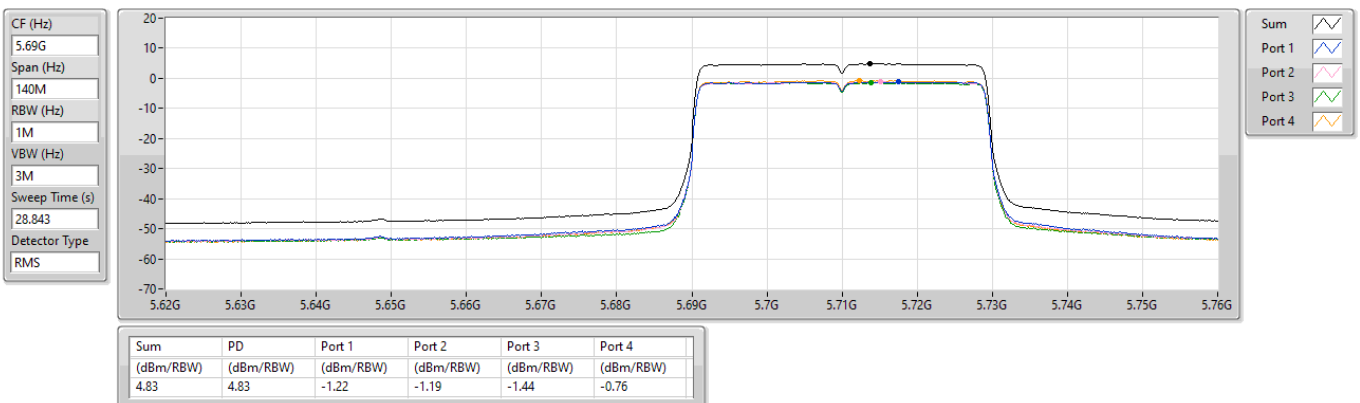


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

19/11/2024

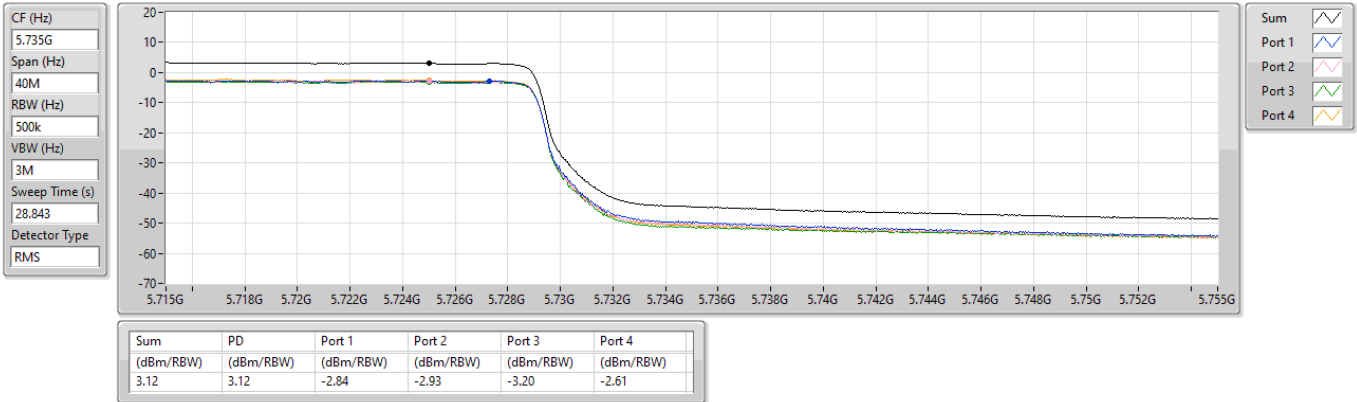


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

19/11/2024

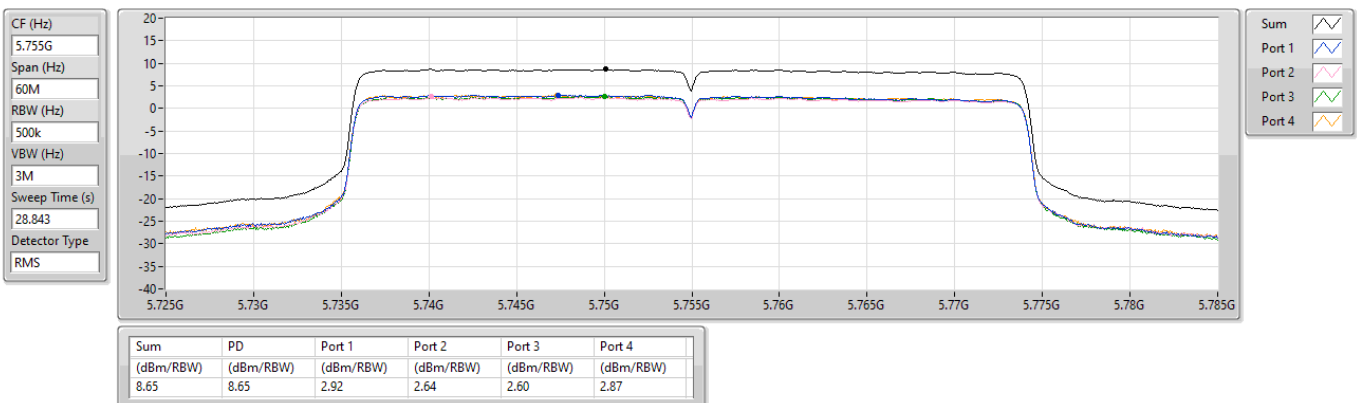


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

19/11/2024



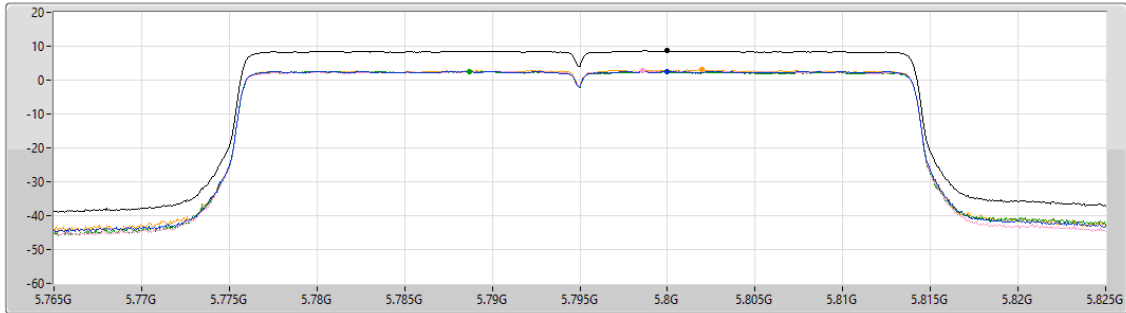
5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

19/11/2024

CF (Hz)
5.795G
Span (Hz)
60M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
28.843
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.66	8.66	2.61	2.75	2.62	3.06

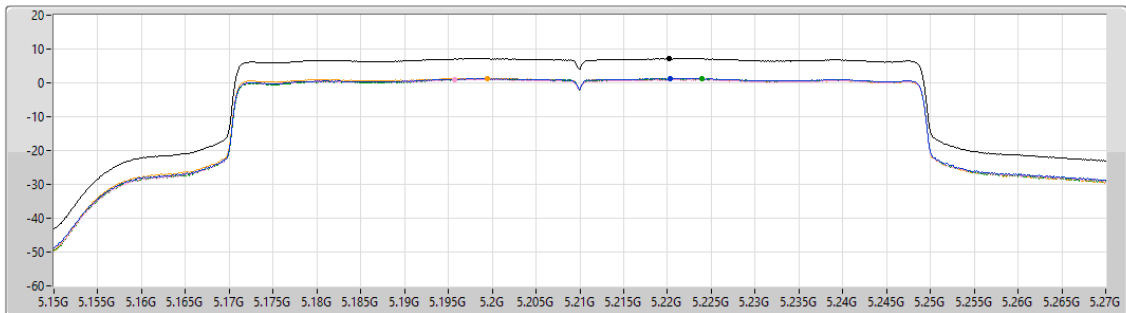
5.15-5.25GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

15/11/2024

CF (Hz)
5.21G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
28.793
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.16	7.16	1.32	1.07	1.25	1.36

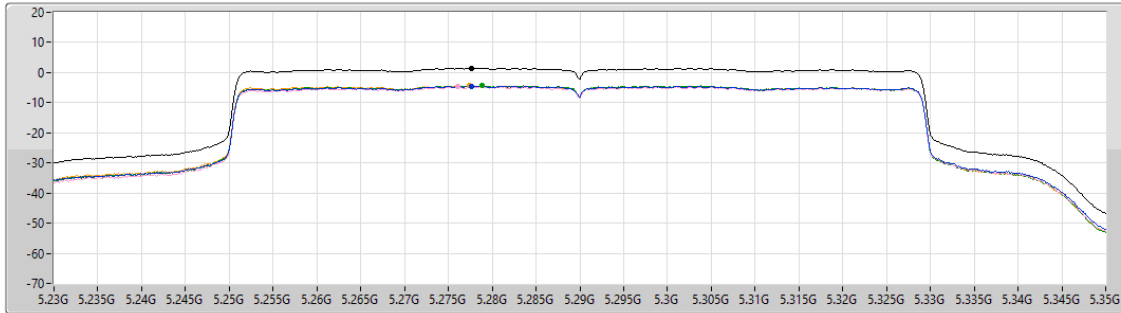
5.25-5.35GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

19/11/2024

CF (Hz)
5.29G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
28.793
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.46	1.46	-4.46	-4.62	-4.37	-4.41

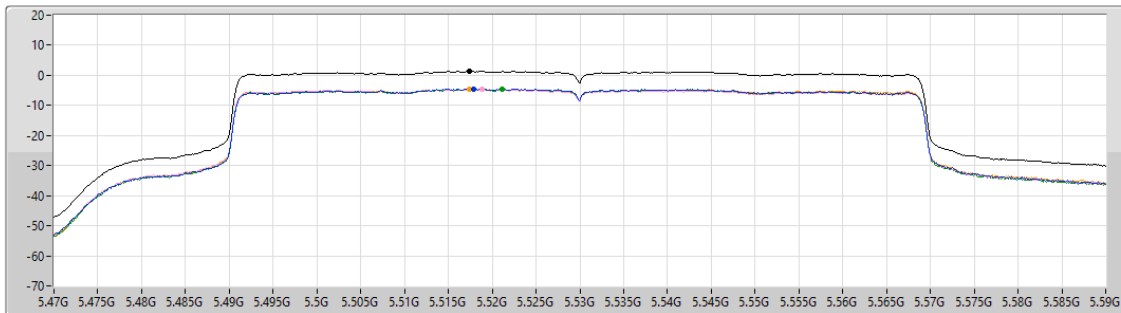
5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

19/11/2024

CF (Hz)
5.53G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
28.793
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.35	1.35	-4.45	-4.75	-4.69	-4.59

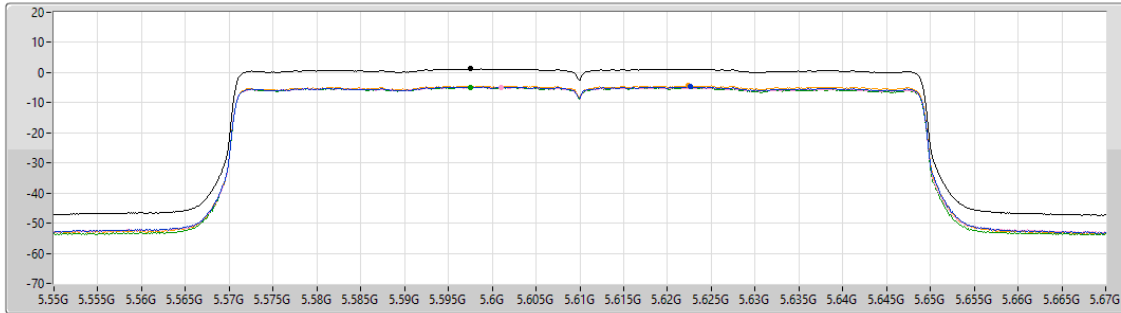
5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

19/11/2024

CF (Hz)
5.61G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
28.793
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.26	1.26	-4.68	-4.79	-4.86	-4.39

Sum
Port 1
Port 2
Port 3
Port 4

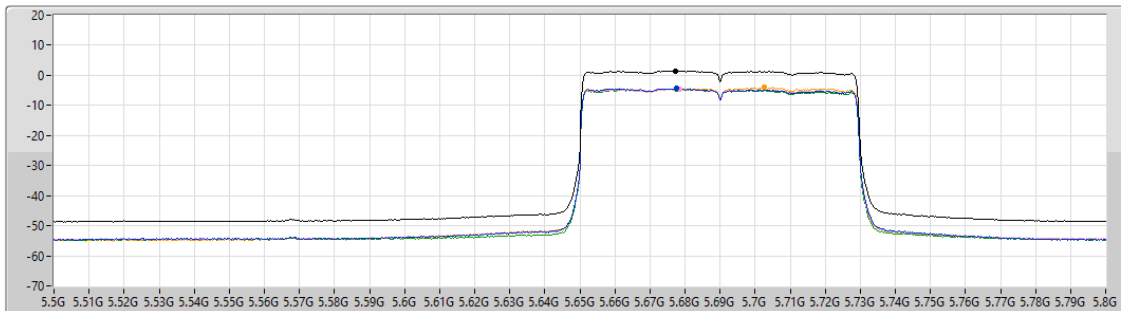
5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

19/11/2024

CF (Hz)
5.65G
Span (Hz)
300M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
28.793
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.52	1.52	-4.42	-4.62	-4.54	-4.03

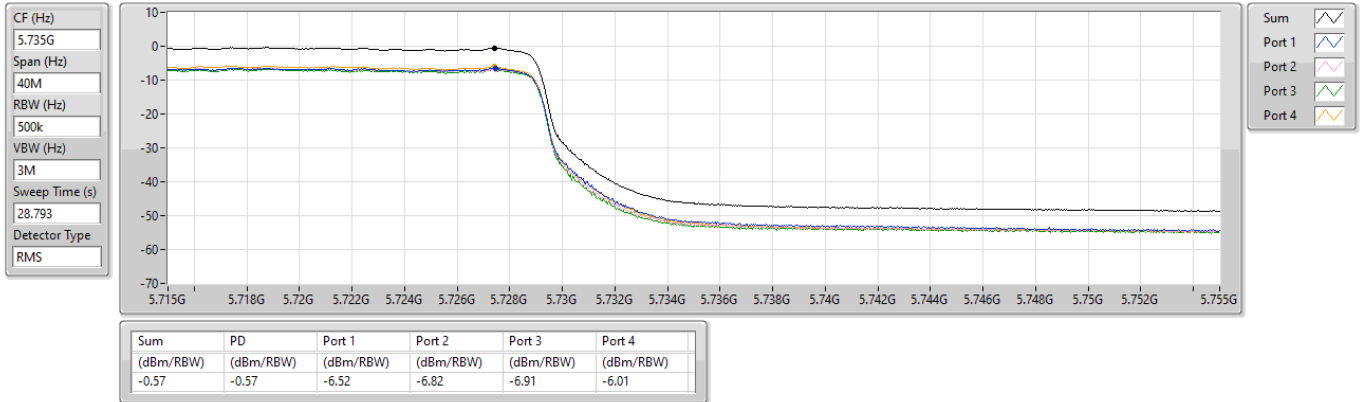
Sum
Port 1
Port 2
Port 3
Port 4

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

PSD

5690MHz Straddle 5.725-5.85GHz

19/11/2024

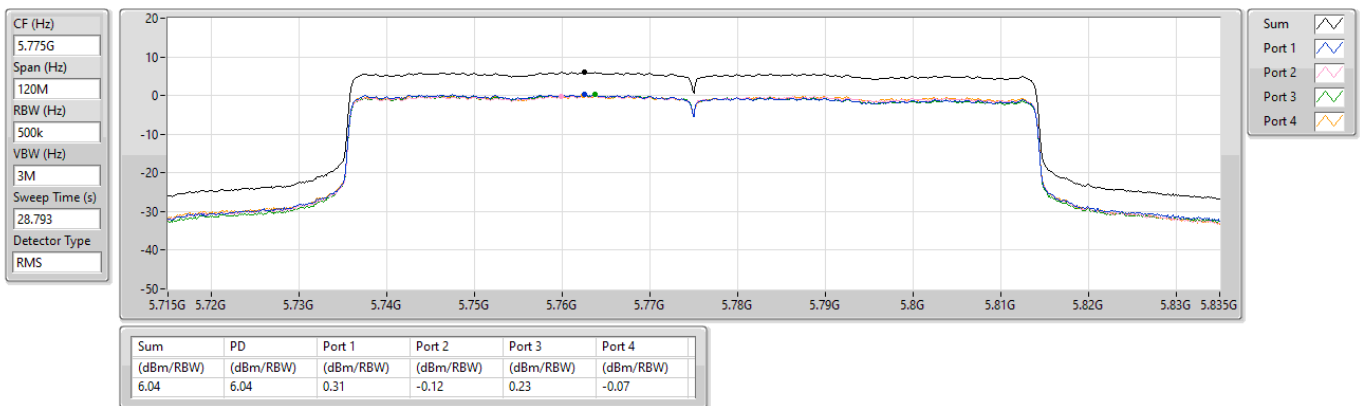


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

19/11/2024

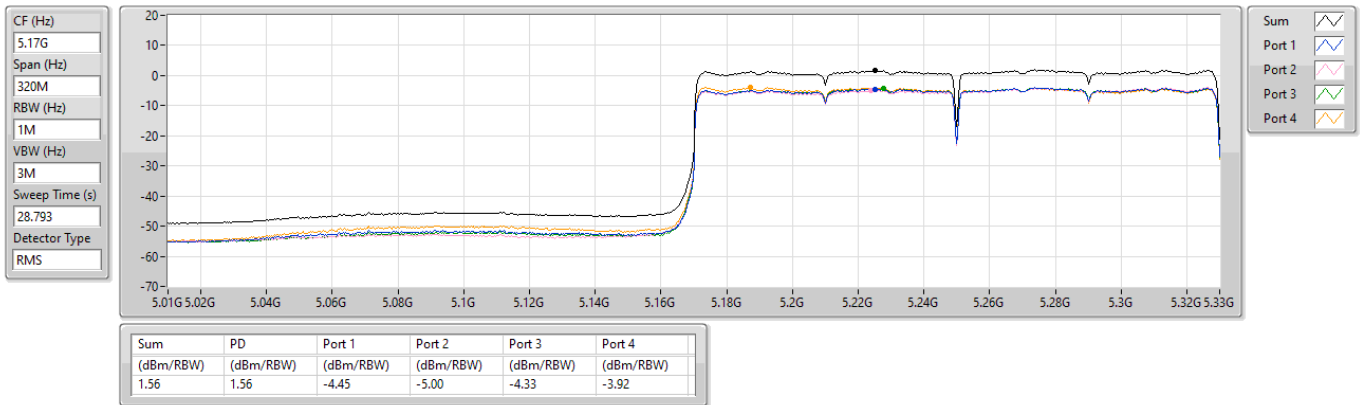


5.15-5.25GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

19/11/2024

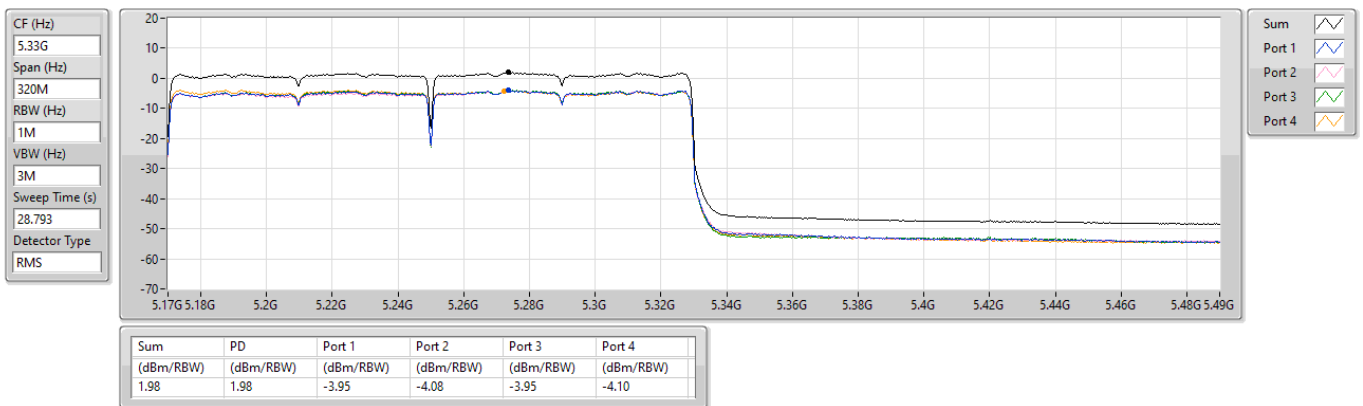


5.25-5.35GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

19/11/2024



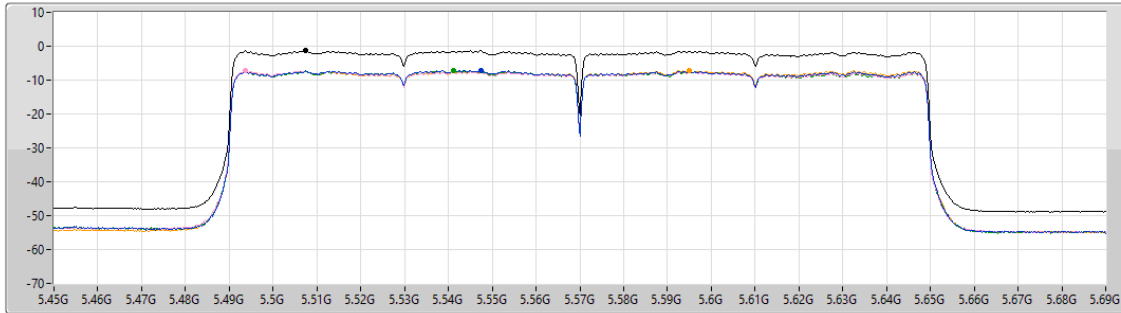
5.47-5.725GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

PSD

5570MHz

19/11/2024

CF (Hz)
5.57G
Span (Hz)
240M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
28.793
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.32	-1.32	-7.07	-7.08	-7.22	-7.23

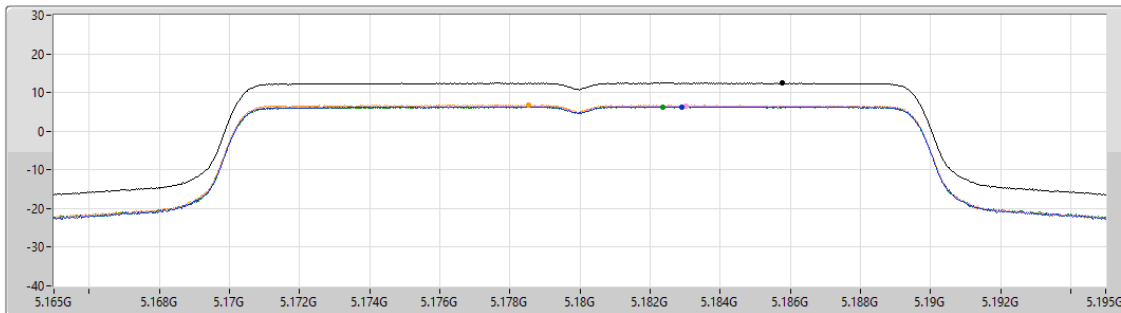
5.15-5.25GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

PSD

5180MHz

16/11/2024

CF (Hz)
5.18G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
47.072
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

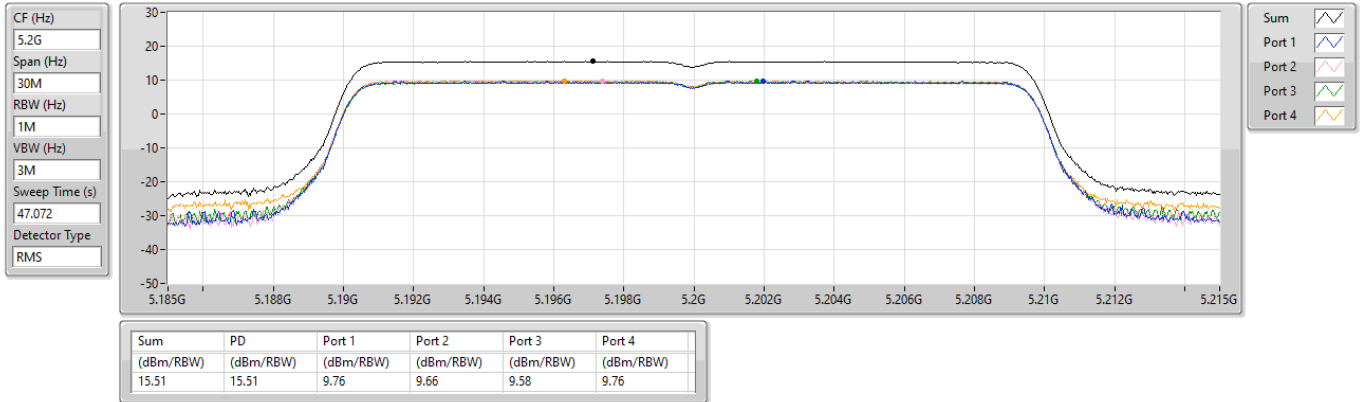
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.44	12.44	6.32	6.55	6.29	6.74

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

PSD

5200MHz

16/11/2024

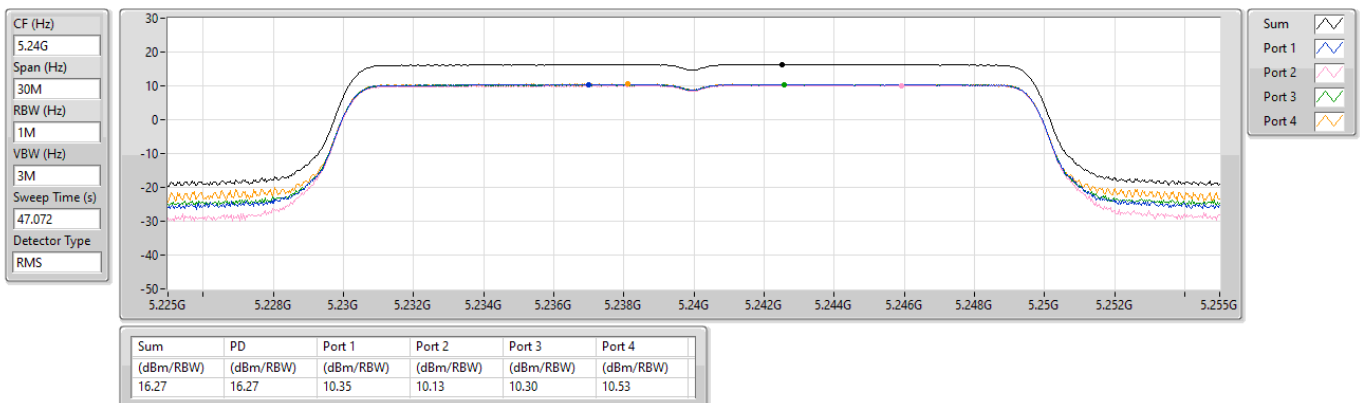


5.15-5.25GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

PSD

5240MHz

16/11/2024



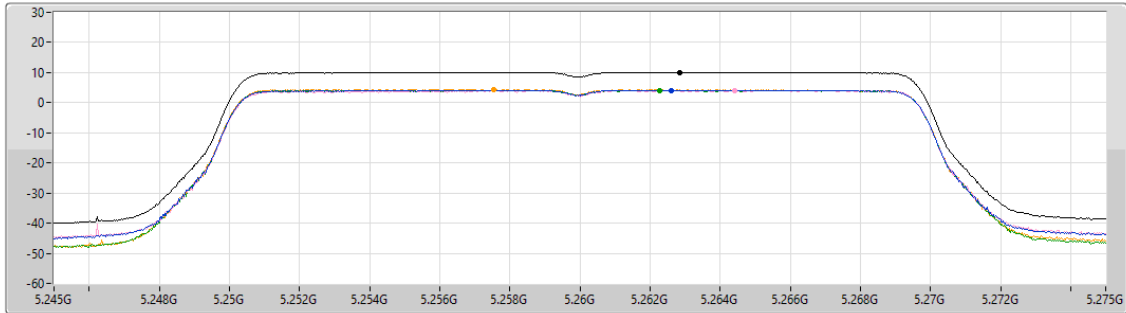
5.25-5.35GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

PSD

5260MHz

16/11/2024

CF (Hz)
5.26G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
47.072
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.08	10.08	4.04	4.06	4.03	4.34

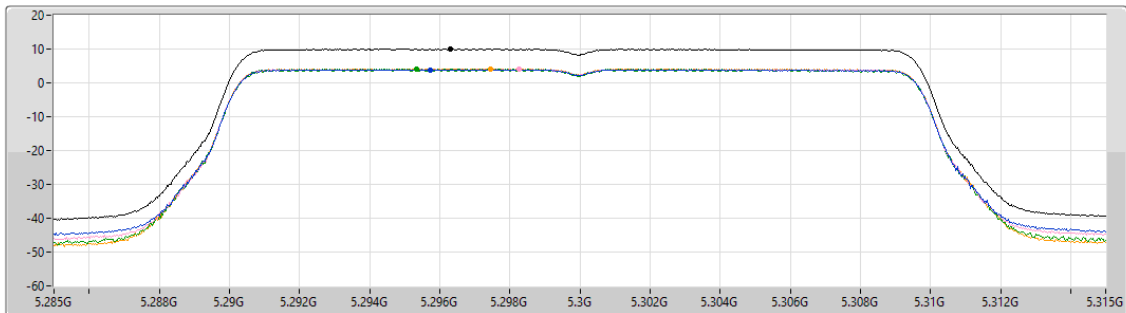
5.25-5.35GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

PSD

5300MHz

16/11/2024

CF (Hz)
5.3G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
47.072
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
9.93	9.93	3.86	3.96	4.04	4.06

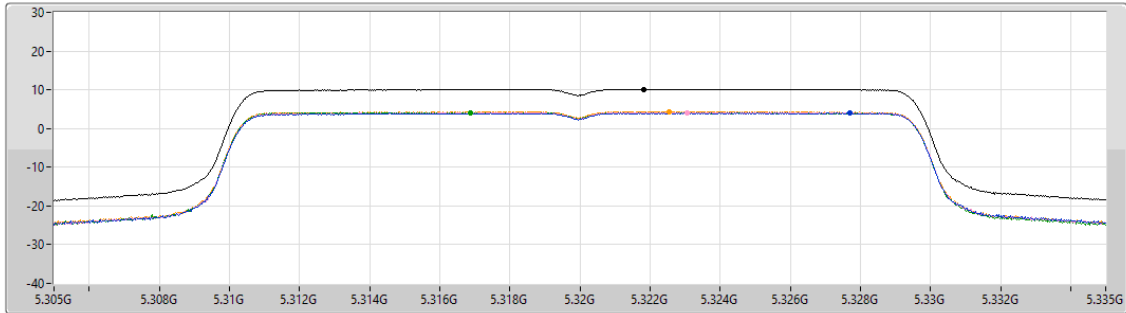
5.25-5.35GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

PSD

5320MHz

16/11/2024

CF (Hz)
5.32G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
47.072
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.10	10.10	4.14	4.11	4.10	4.37

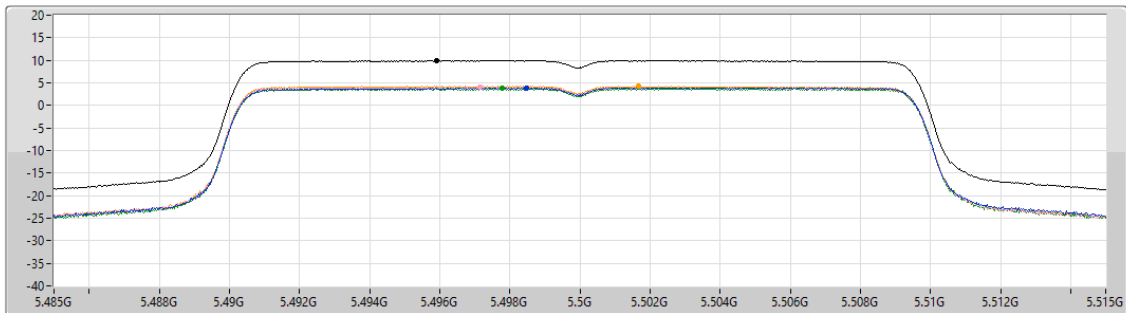
5.47-5.725GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

PSD

5500MHz

16/11/2024

CF (Hz)
5.5G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
47.072
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

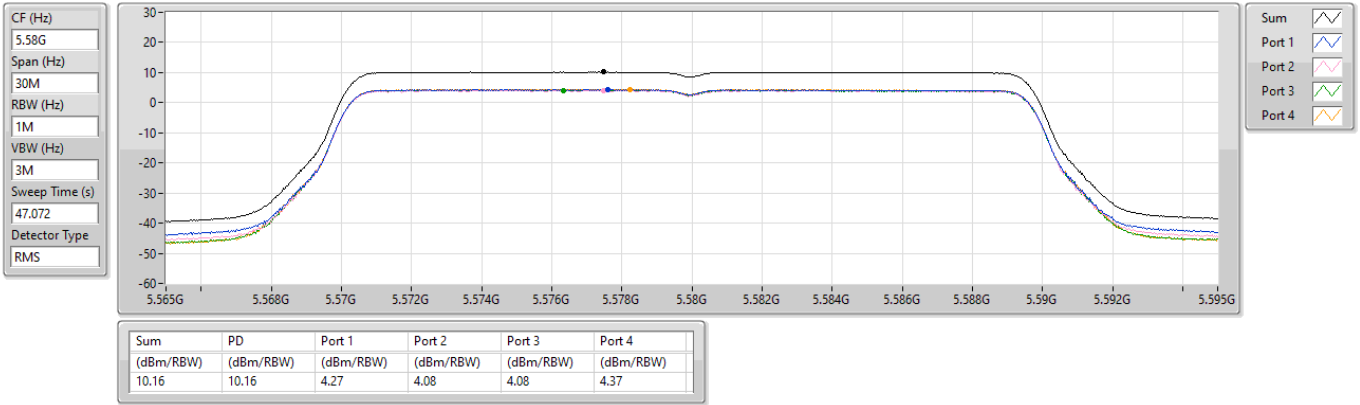
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.95	9.95	3.88	4.04	3.94	4.28

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

PSD

5580MHz

16/11/2024

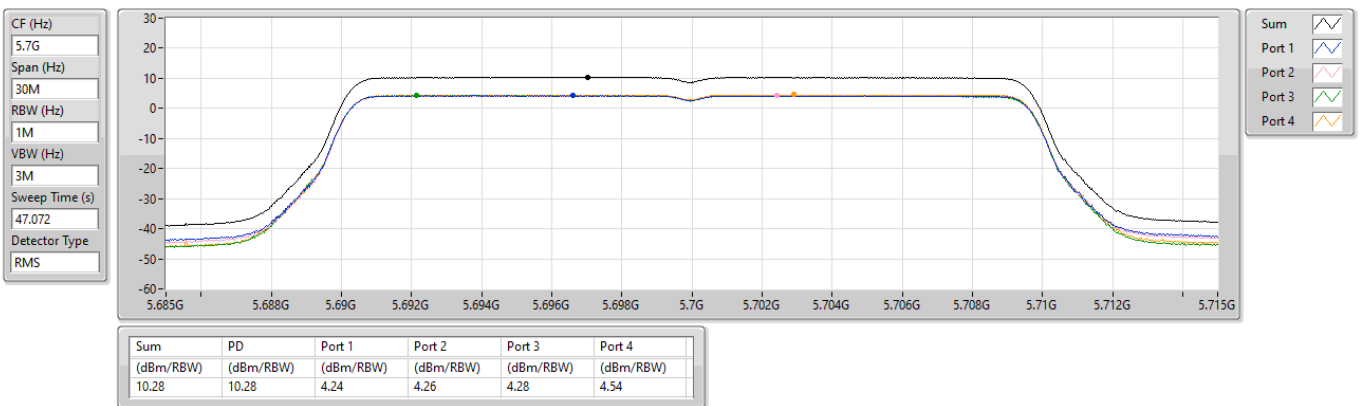


5.47-5.725GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

PSD

5700MHz

16/11/2024

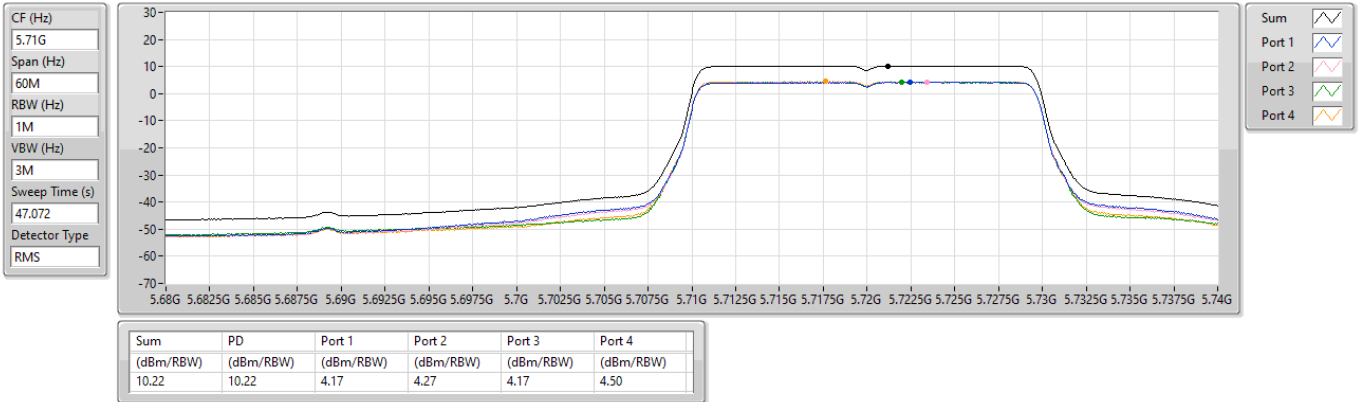


5.47-5.725GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

16/11/2024

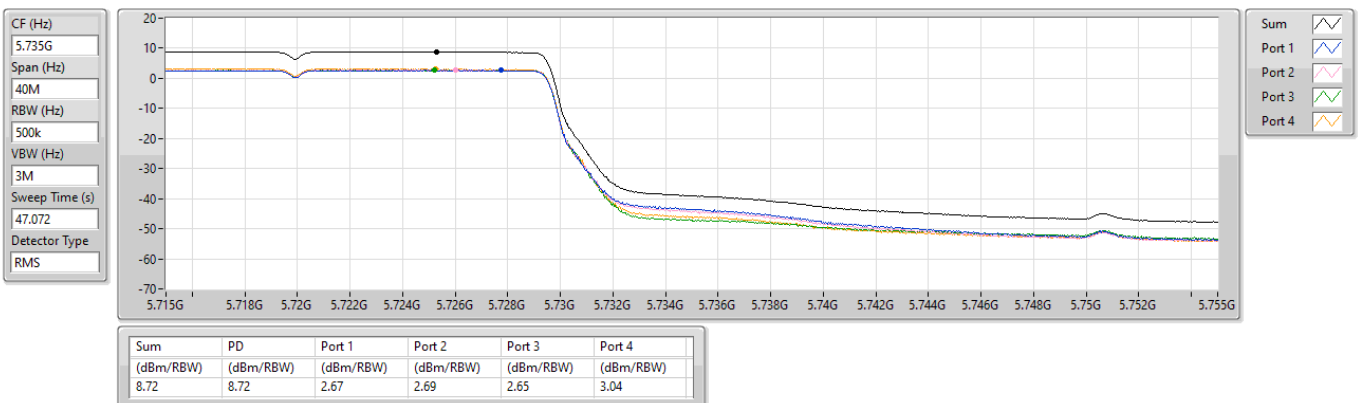


5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

16/11/2024

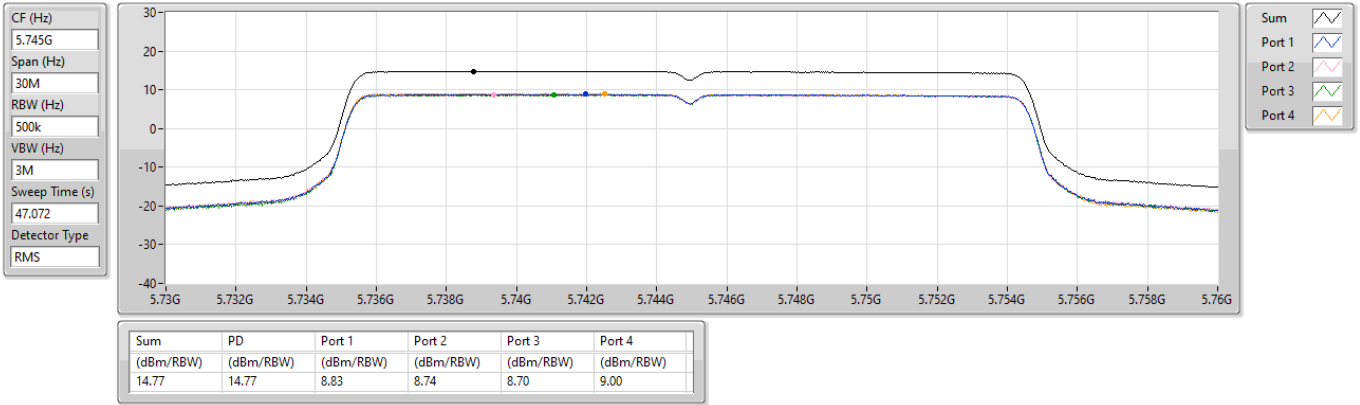


5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

PSD

5745MHz

16/11/2024

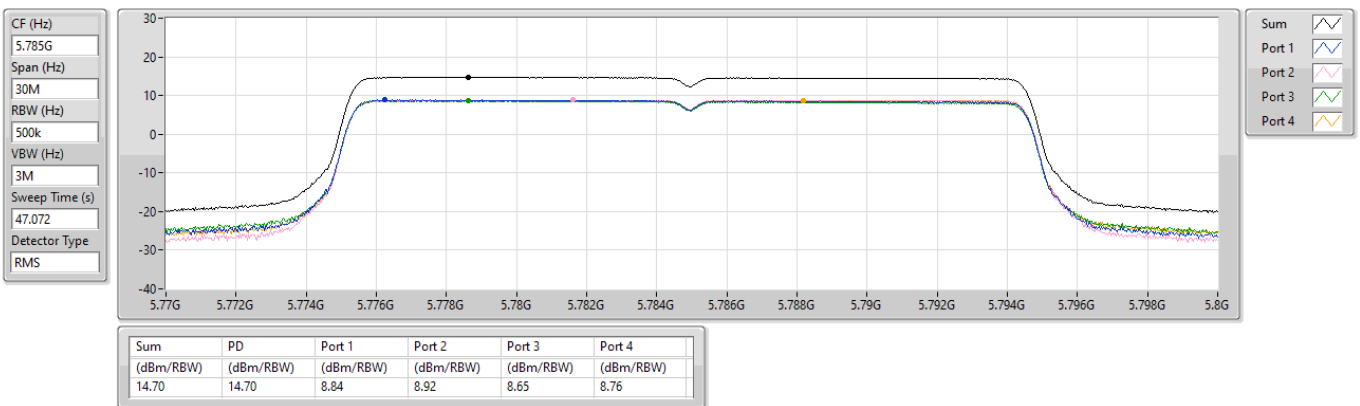


5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

PSD

5785MHz

16/11/2024



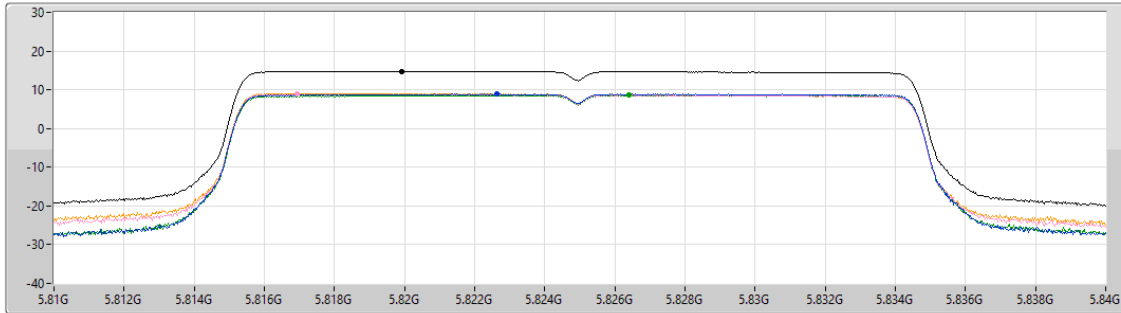
5.725-5.85GHz_802.11be EHT20-BF_Nss2,(MCS0)_4TX

PSD

5825MHz

16/11/2024

CF (Hz)
5.825G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
47.072
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.75	14.75	8.87	8.81	8.59	9.08

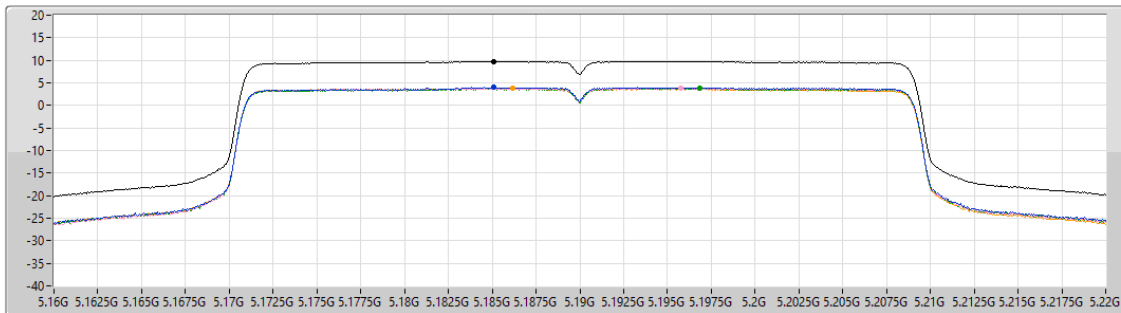
5.15-5.25GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

PSD

5190MHz

25/11/2024

CF (Hz)
5.19G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
54.659
Detector Type
RMS



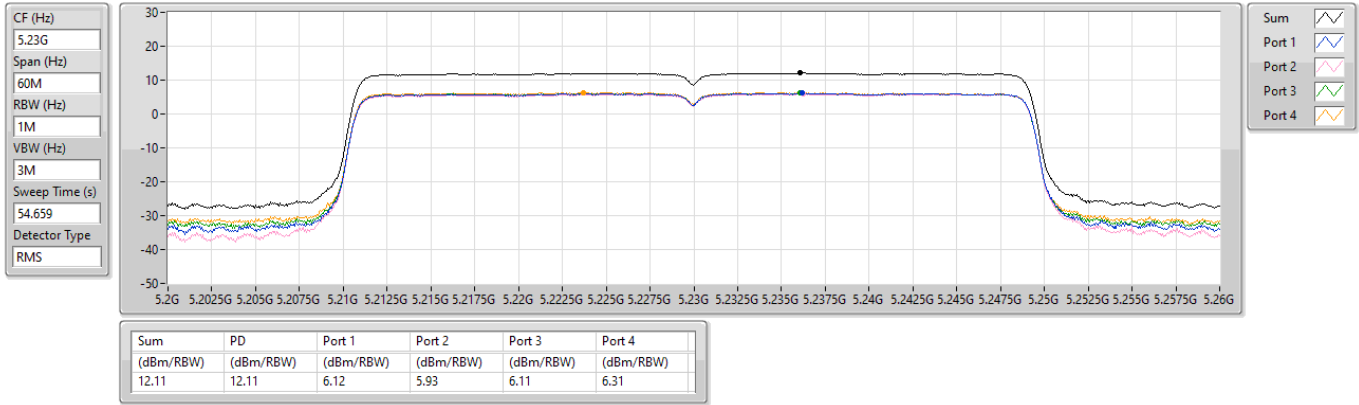
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.75	9.75	3.98	3.83	3.72	3.72

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

PSD

5230MHz

18/11/2024

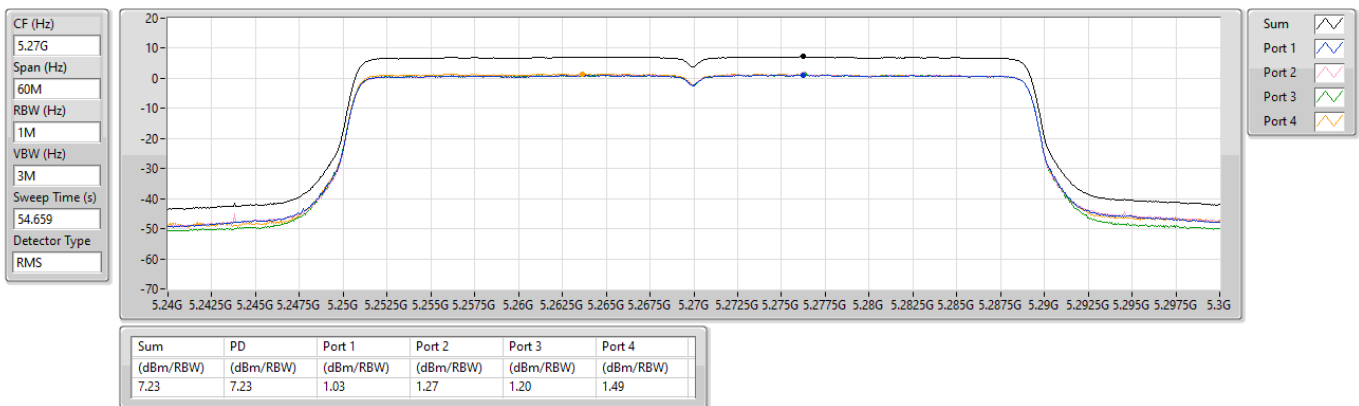


5.25-5.35GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

PSD

5270MHz

18/11/2024

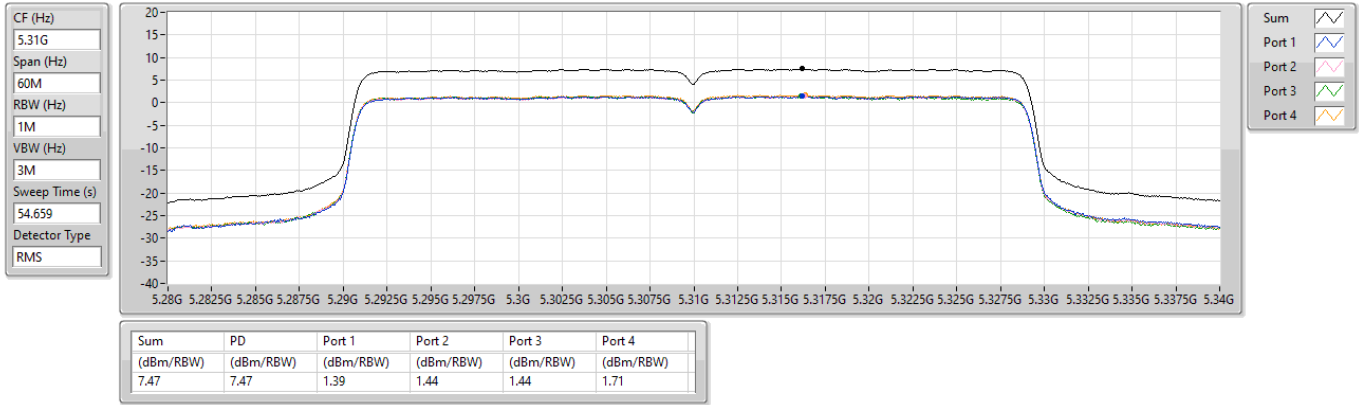


5.25-5.35GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

PSD

5310MHz

18/11/2024

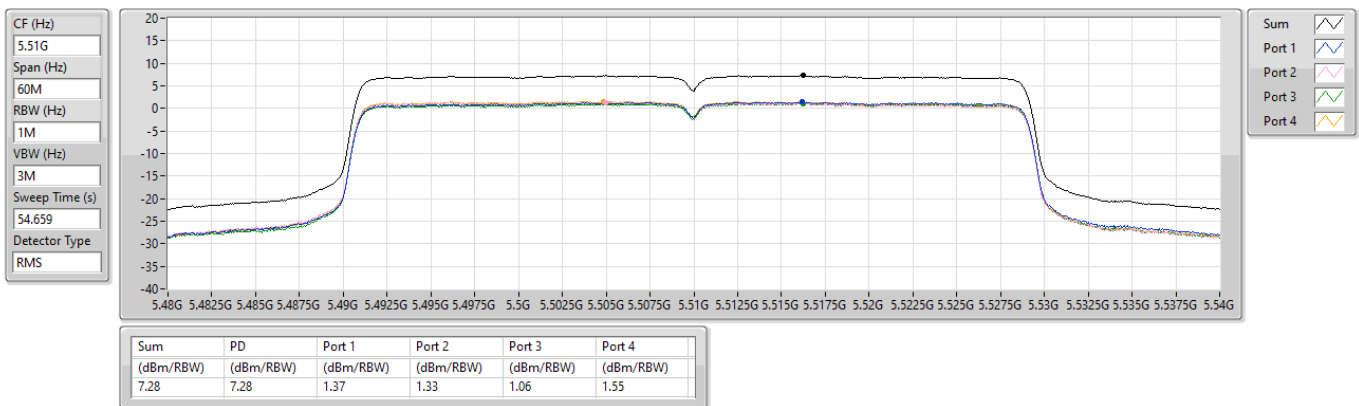


5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

PSD

5510MHz

18/11/2024

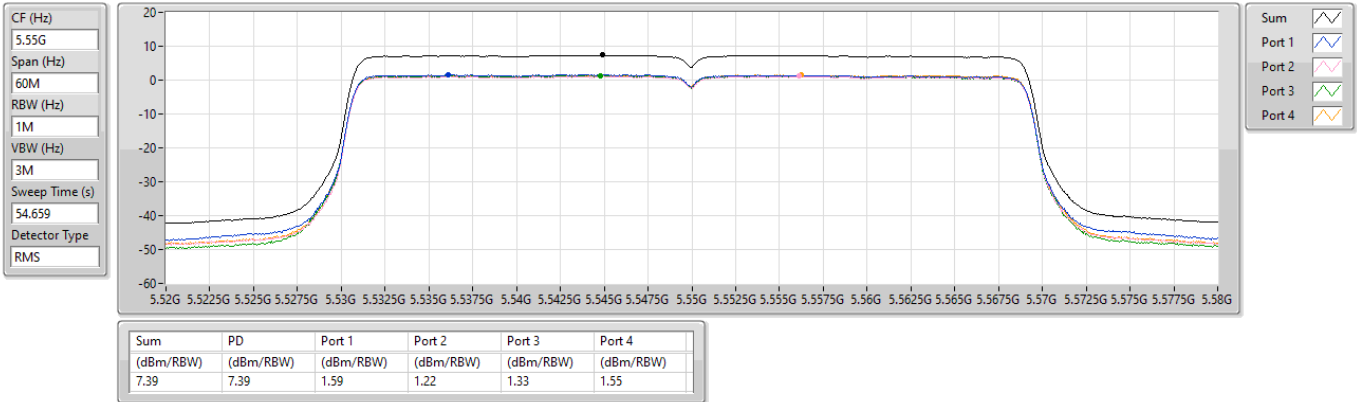


5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

PSD

5550MHz

18/11/2024

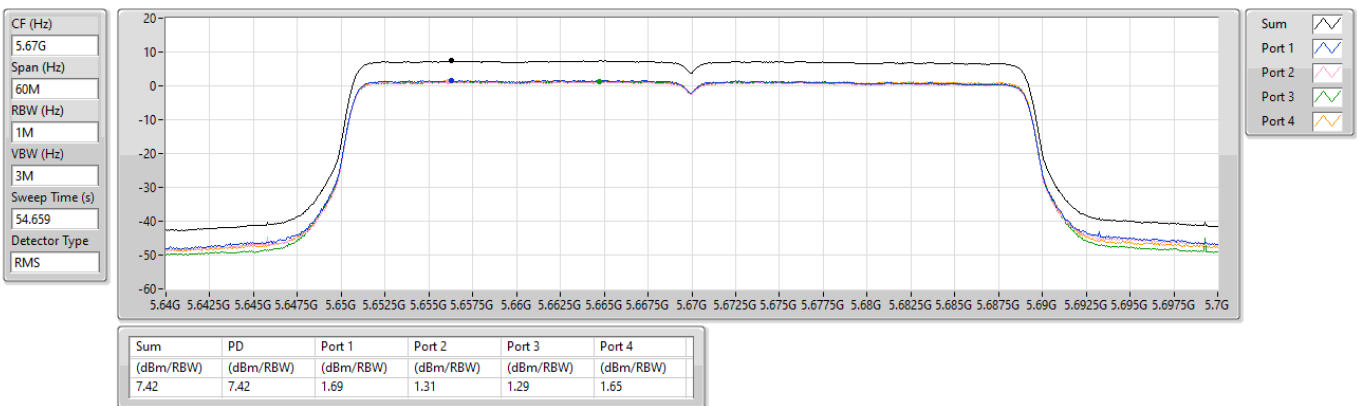


5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

PSD

5670MHz

18/11/2024

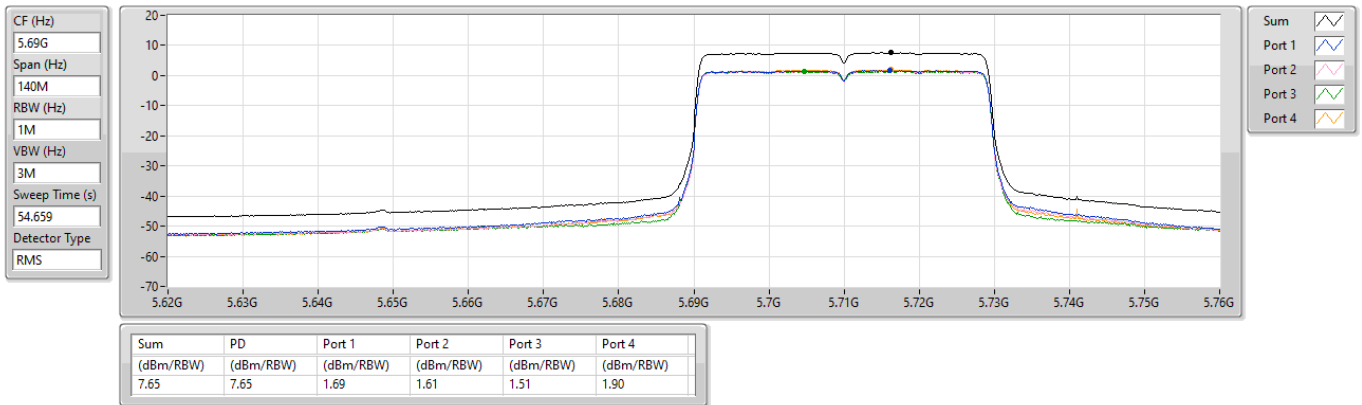


5.47-5.725GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

18/11/2024

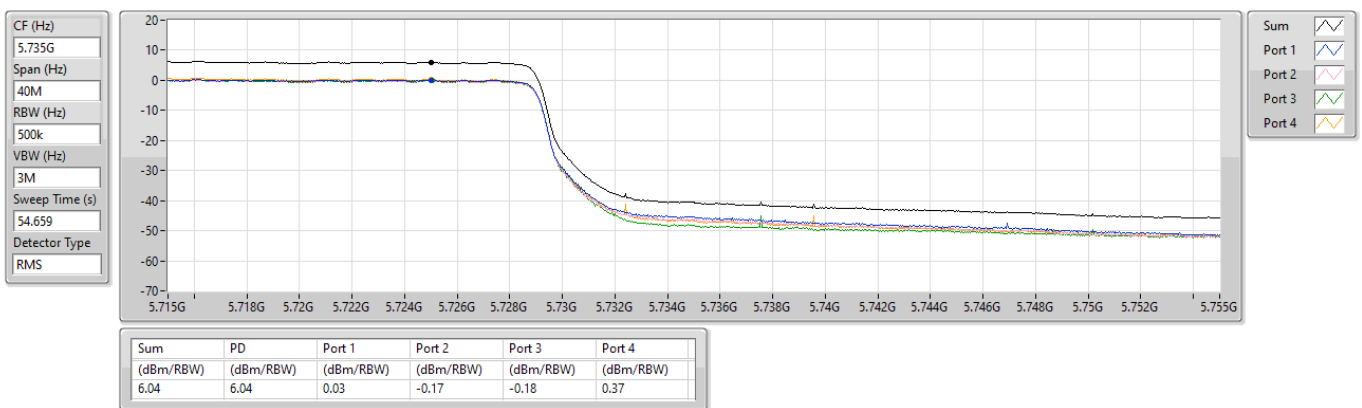


5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

18/11/2024



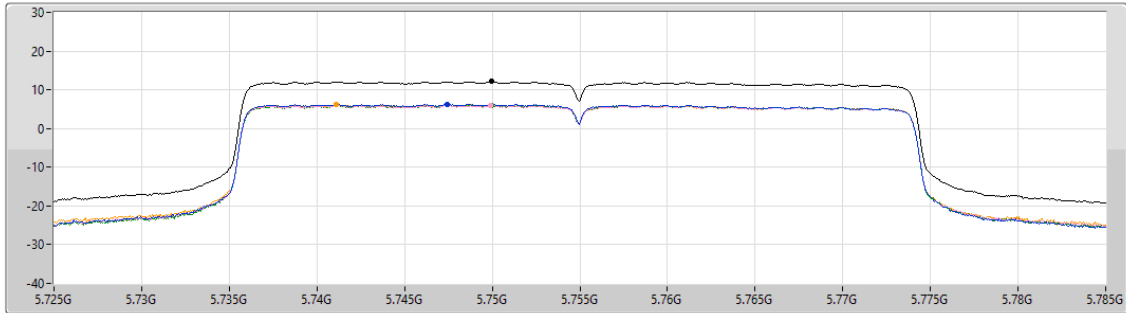
5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

PSD

5755MHz

18/11/2024

CF (Hz)
5.755G
Span (Hz)
60M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
54.659
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.09	12.09	6.27	6.03	5.93	6.27

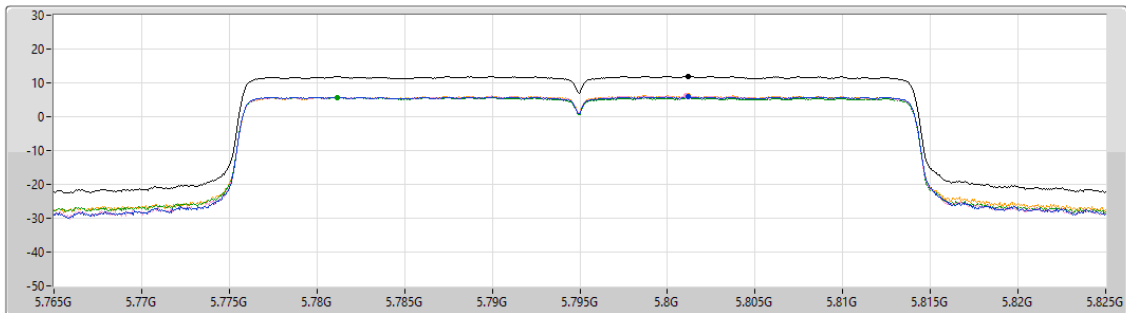
5.725-5.85GHz_802.11be EHT40-BF_Nss2,(MCS0)_4TX

PSD

5795MHz

18/11/2024

CF (Hz)
5.795G
Span (Hz)
60M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
54.659
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
11.97	11.97	5.82	6.19	5.73	6.27

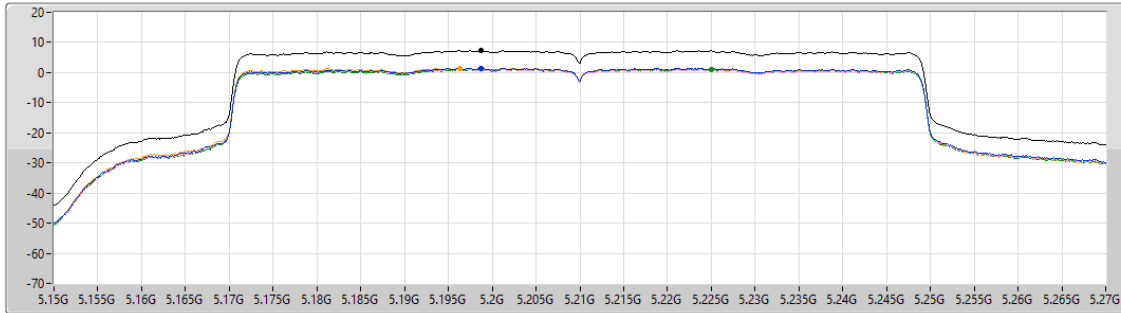
5.15-5.25GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

PSD

5210MHz

18/11/2024

CF (Hz)
5.21G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
51.989
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.27	7.27	1.48	1.07	1.10	1.47

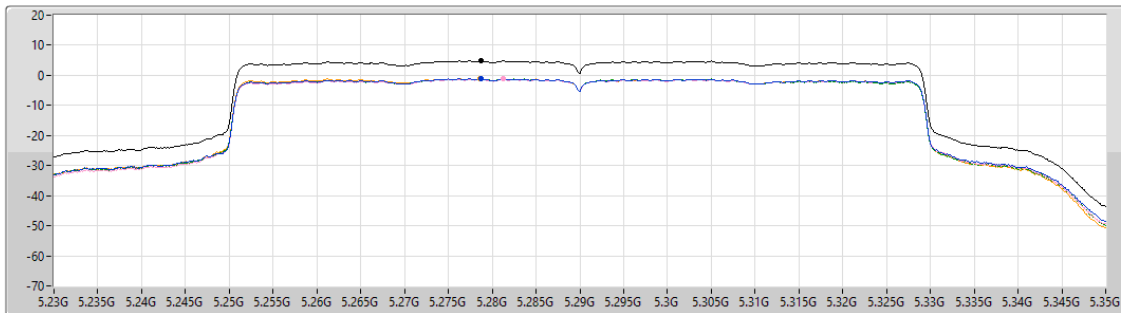
5.25-5.35GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

PSD

5290MHz

18/11/2024

CF (Hz)
5.29G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
51.989
Detector Type
RMS



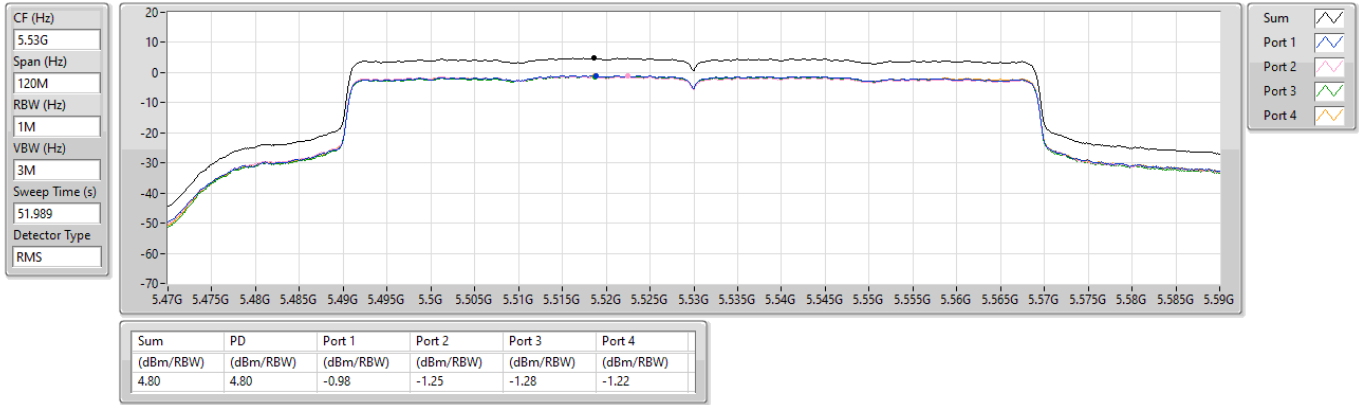
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.84	4.84	-1.06	-1.26	-1.15	-1.17

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

PSD

5530MHz

18/11/2024

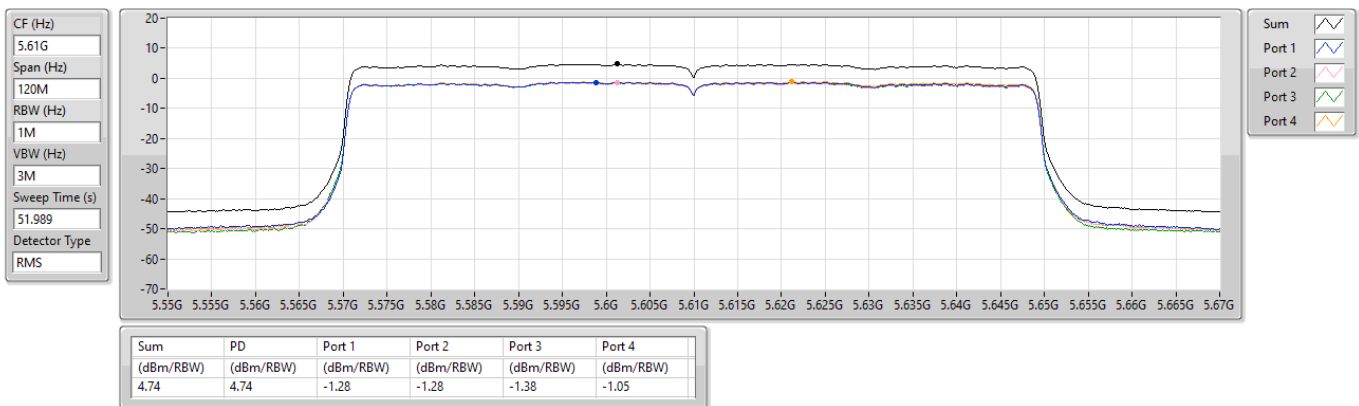


5.47-5.725GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

PSD

5610MHz

18/11/2024

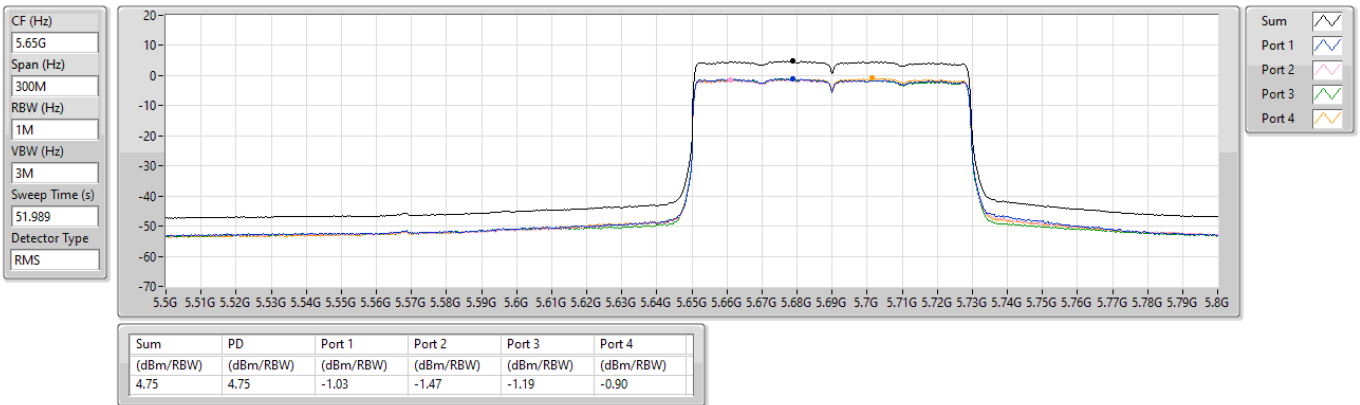


5.47-5.725GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

18/11/2024

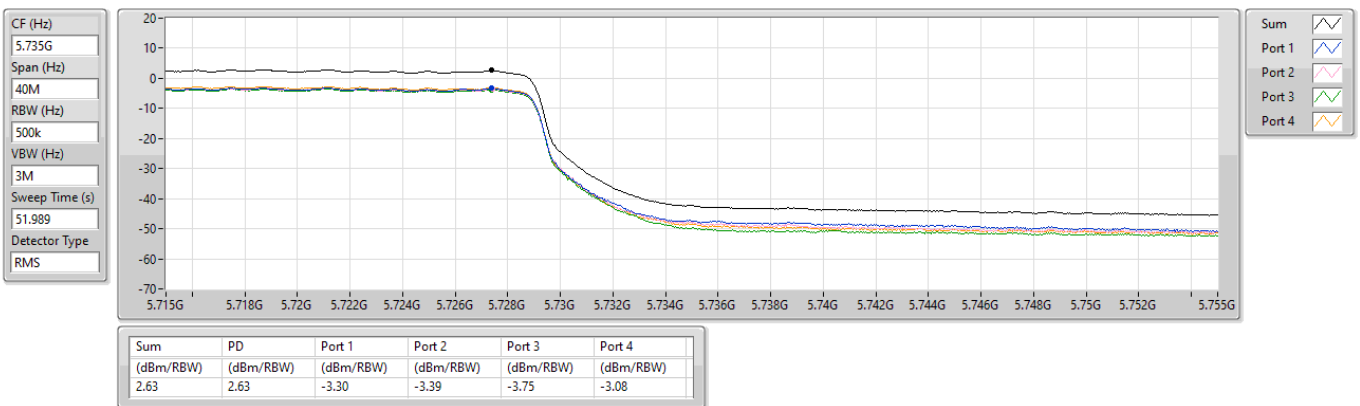


5.725-5.85GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

18/11/2024



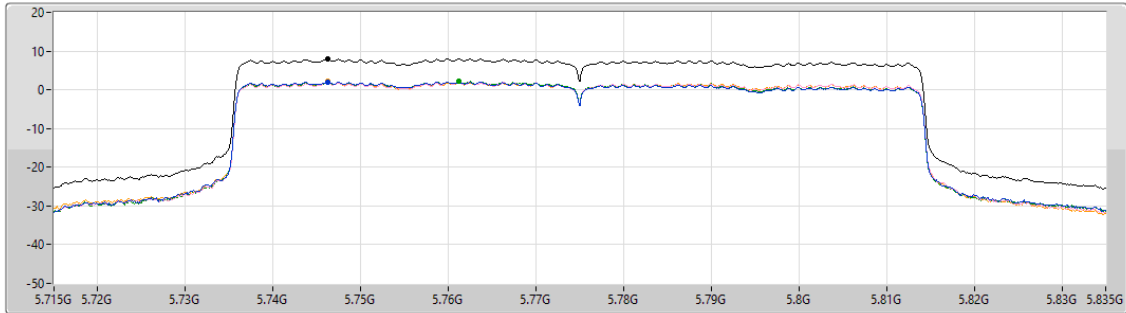
5.725-5.85GHz_802.11be EHT80-BF_Nss2,(MCS0)_4TX

PSD

5775MHz

18/11/2024

CF (Hz)
5.775G
Span (Hz)
120M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
51.989
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.07	8.07	2.05	2.00	2.13	2.12

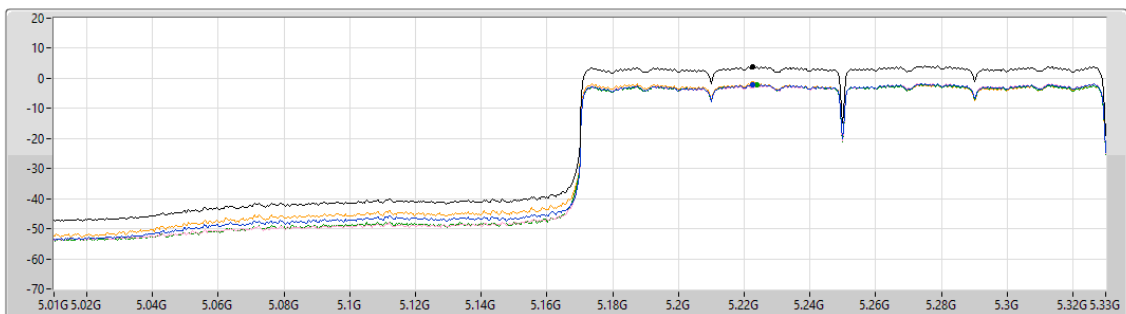
5.15-5.25GHz_802.11be EHT160-BF_Nss2,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

18/11/2024

CF (Hz)
5.17G
Span (Hz)
320M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
51.879
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

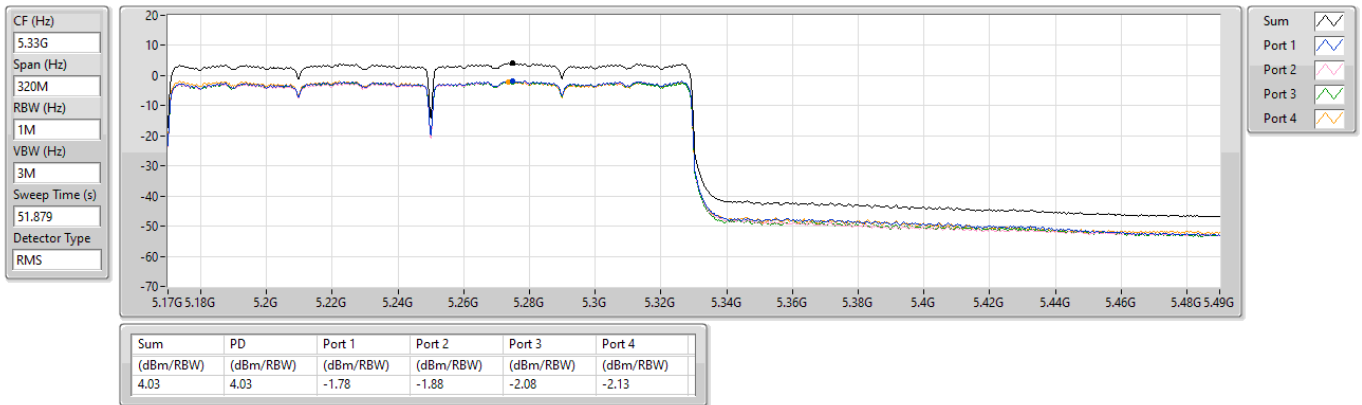
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.81	3.81	-2.18	-2.48	-2.30	-1.91

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

PSD

5250MHz Straddle 5.25-5.35GHz

18/11/2024

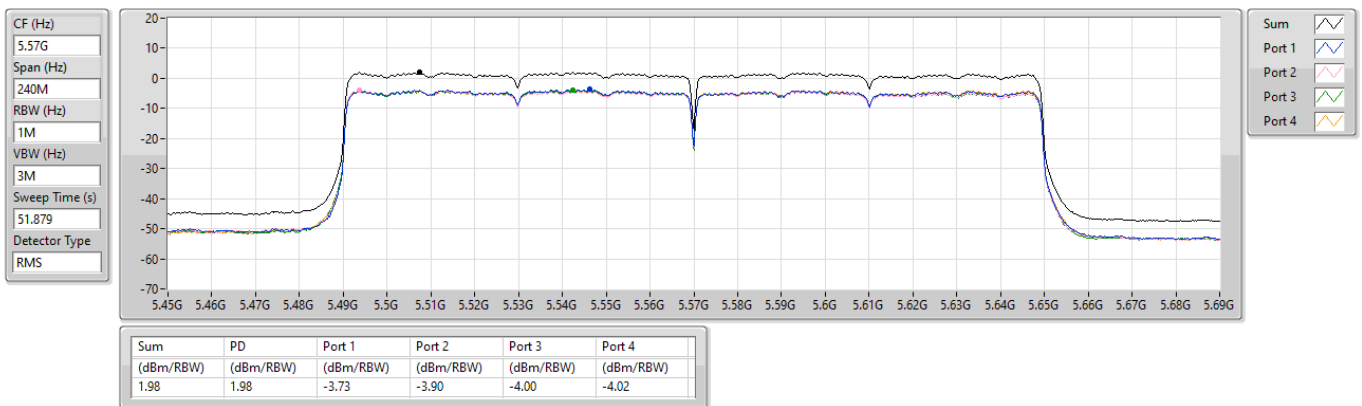


5.47-5.725GHz_802.11be EHT160-BF_Nss2,(MCS0)_4TX

PSD

5570MHz

18/11/2024





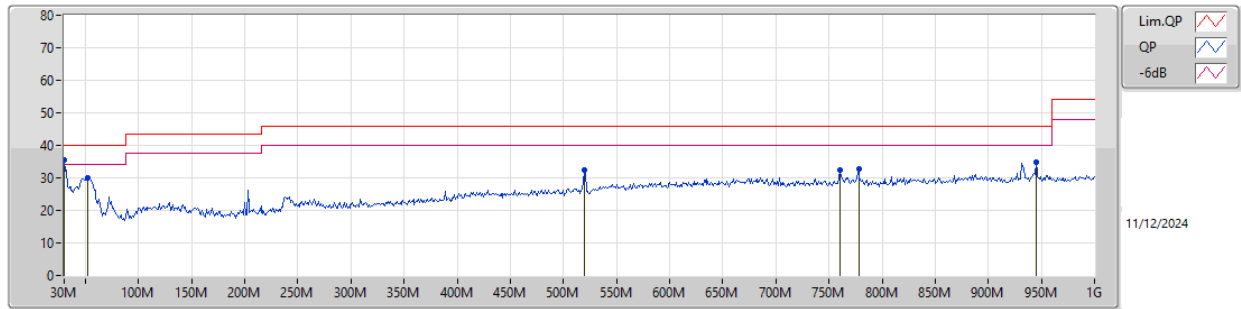
Radiated Emissions below 1GHz

Appendix E.1

Summary

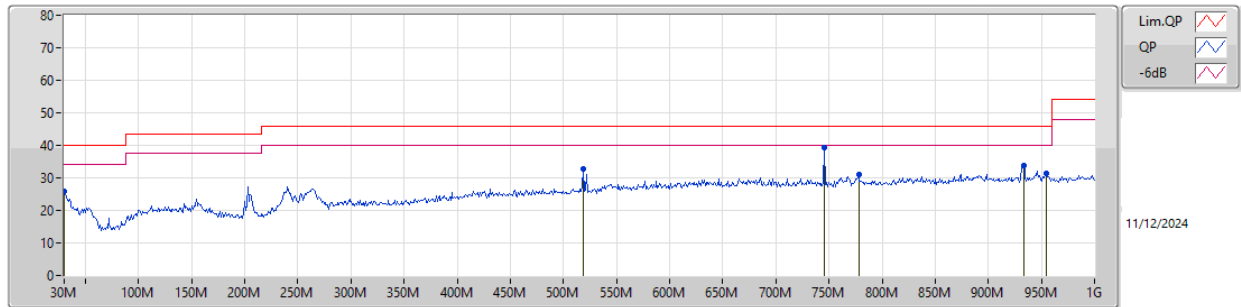
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	30M	35.65	40.00	-4.35	Vertical

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	30M	35.65	40.00	-4.35	-6.74	3	Vertical	310	1.25	"Worst"	42.39	23.85	0.46	31.05		
PK	52.31M	30.16	40.00	-9.84	-17.18	3	Vertical	233	1.00	-	47.34	13.18	0.65	31.01		
PK	519.85M	32.27	46.00	-13.73	-5.67	3	Vertical	360	1.25	-	37.94	23.61	2.43	31.71		
PK	760.41M	32.49	46.00	-13.51	-3.37	3	Vertical	128	1.50	-	35.86	25.75	2.96	32.08		
PK	777.87M	32.66	46.00	-13.34	-3.35	3	Vertical	184	1.25	-	36.01	25.69	2.99	32.03		
PK	944.71M	34.78	46.00	-11.22	-2.30	3	Vertical	246	2.00	-	37.08	26.66	3.31	32.27		

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	30M	25.96	40.00	-14.04	-6.74	3	Horizontal	192	1.25	-	32.70	23.85	0.46	31.05		
PK	518.88M	32.62	46.00	-13.38	-5.66	3	Horizontal	203	2.00	-	38.28	23.62	2.43	31.71		
PK	745.86M	39.32	46.00	-6.68	-3.47	3	Horizontal	53	1.25	"Worst"	42.79	25.69	2.93	32.09		
PK	777.87M	31.16	46.00	-14.84	-3.35	3	Horizontal	357	1.50	-	34.51	25.69	2.99	32.03		
PK	933.07M	33.84	46.00	-12.16	-2.26	3	Horizontal	272	2.00	-	36.10	26.60	3.31	32.17		
PK	954.41M	31.48	46.00	-14.52	-2.22	3	Horizontal	313	1.00	-	33.70	26.76	3.32	32.30		

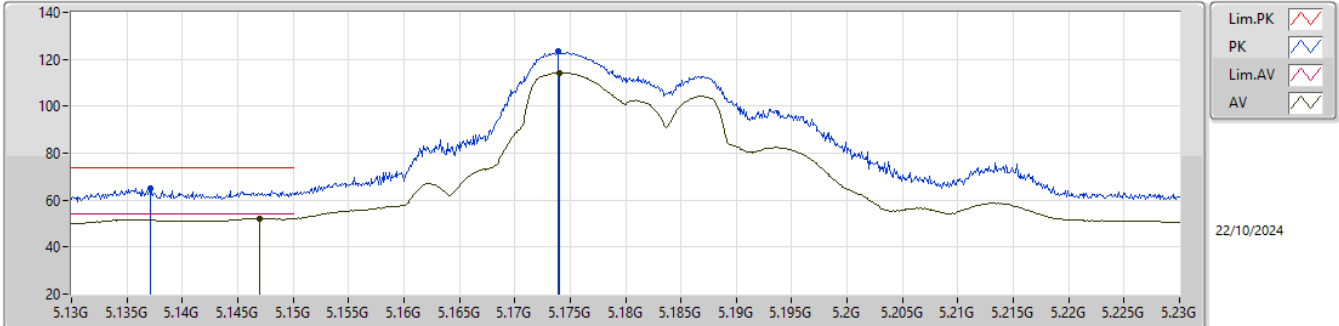


Summary

Mode	Result	Type	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11be EHT40-BF_Nss1,(MCS0)_4TX	Pass	AV	5.1499G	52.98	54.00	-1.02	3	Vertical	81	1.80	-

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

5180MHz_TX



EUT_Z_4TX
Setting 81
06-W-G-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.1371G	64.80	74.00	-9.20	60.12	3	Vertical	83	1.66	-	31.95	6.76	34.03			
AV	5.147G	52.15	54.00	-1.85	47.43	3	Vertical	83	1.66	-	31.99	6.77	34.04			
PK	5.1739G	123.65	Inf	-Inf	119.03	3	Vertical	83	1.66	-	31.86	6.81	34.05			
AV	5.174G	114.22	Inf	-Inf	109.60	3	Vertical	83	1.66	-	31.86	6.81	34.05			