

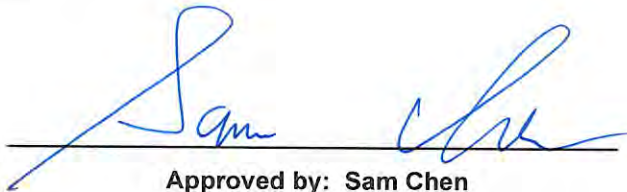


# RADIO TEST REPORT

**FCC ID** : MSQ-RTBE7800  
**Equipment** : BE18000 Tri Band WiFi Router  
**Brand Name** : ASUS  
**Model Name** : BT10, BE18000  
**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 Feb. 22, 2024, and testing was started from Mar. 04, 2024 and completed on May 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.)



## Table of Contents

**History of this test report.....3**

**Summary of Test Result.....4**

**1 General Description .....5**

1.1 Information.....5

1.2 Applicable Standards .....13

1.3 Testing Location Information .....13

1.4 Measurement Uncertainty .....14

**2 Test Configuration of EUT .....15**

2.1 Test Channel Mode .....15

2.2 The Worst Case Measurement Configuration .....18

2.3 EUT Operation during Test .....20

2.4 Accessories .....20

2.5 Support Equipment.....21

2.6 Test Setup Diagram .....22

**3 Transmitter Test Result .....26**

3.1 AC Power-line Conducted Emissions .....26

3.2 Emission Bandwidth .....28

3.3 Maximum Output Power .....29

3.4 Power Spectral Density .....33

3.5 Unwanted Emissions.....36

**4 Test Equipment and Calibration Data .....41**

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

**Appendix B. Test Results of Emission Bandwidth**

**Appendix C. Test Results of Maximum Output Power**

**Appendix D. Test Results of Power Spectral Density**

**Appendix E. Test Results of Unwanted Emissions**

**Appendix F. Test Results of Radiated Emission Co-location**

**Appendix G. Test Photos**

**Photographs of EUT v01**





### Summary of Test Result

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

**Conformity Assessment Condition:**

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

**Disclaimer:**

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: Wendy Pan**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

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



<b>Band</b>	<b>Mode</b>	<b>BWch (MHz)</b>	<b>Nant</b>
5.15-5.25GHz	802.11ax HEW40-BF	40	4TX
5.15-5.25GHz	802.11be EHT40	40	4TX
5.15-5.25GHz	802.11be EHT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.15-5.25GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW80-BF	80	4TX
5.15-5.25GHz	802.11be EHT80	80	4TX
5.15-5.25GHz	802.11be EHT80-BF	80	4TX
5.15-5.35GHz	802.11ac VHT160	160	4TX
5.15-5.35GHz	802.11ac VHT160-BF	160	4TX
5.15-5.35GHz	802.11ax HEW160	160	4TX
5.15-5.35GHz	802.11ax HEW160-BF	160	4TX
5.15-5.35GHz	802.11be EHT160	160	4TX
5.15-5.35GHz	802.11be EHT160-BF	160	4TX
5.25-5.35GHz	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
5.15-5.35GHz	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



<b>Band</b>	<b>Mode</b>	<b>BWch (MHz)</b>	<b>Nant</b>
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
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



<b>Band</b>	<b>Mode</b>	<b>BWch (MHz)</b>	<b>Nant</b>
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
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)
	2.4GHz	5GHz	6GHz					
1	2	2	-	PSA	RFDPA230512IMAB903	Dipole Antenna	I-PEX	Note1
2	1	1	-	PSA	RFDPA230512IMAB903	Dipole Antenna	I-PEX	
3	-	4	-	PSA	RFDPA230512IMAB903	Dipole Antenna	I-PEX	
4	-	3	-	PSA	RFDPA230512IMAB903	Dipole Antenna	I-PEX	
5	-	-	1	PSA	RFDPA230512IMAB903	Dipole Antenna	I-PEX	
6	-	-	4	PSA	RFDPA230512IMAB903	Dipole Antenna	I-PEX	
7	-	-	3	PSA	RFDPA230512IMAB903	Dipole Antenna	I-PEX	
8	-	-	2	PSA	RFDPA230512IMAB903	Dipole Antenna	I-PEX	

Note1:

Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	2.39	3.69	3.93	3.99	3.59
Ant. 2 Max Gain (dBi)	2.55	2.22	2.55	3.84	3.38
Ant. 3 Max Gain (dBi)	N/A	3.16	2.79	3.72	2.47
Ant. 4 Max Gain (dBi)	N/A	2.53	2.56	2.33	3.71
DG [1SS] (dBi)	4.86	5.7	6.12	7.72	7.52
DG [2SS] (dBi)	2.55	3.69	3.93	4.72	4.52
DG [4SS] (dBi)	N/A	3.69	3.93	3.99	3.71

Freq(Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 5 Max Gain (dBi)	3.42	2.5	2.46	2.81
Ant. 6 Max Gain (dBi)	3.07	2.65	2.57	2.83
Ant. 7 Max Gain (dBi)	3.47	3.58	2.44	3.53
Ant. 8 Max Gain (dBi)	3.85	3.26	3.95	3.38
DG [1SS] (dBi)	5.33	4.88	5.77	5.89
DG [2SS] (dBi)	3.85	3.58	3.95	3.53
DG [4SS] (dBi)	3.85	3.58	3.95	3.53



Note 2: The above information (excepting antenna gain and directional gain) was declared by manufacturer.

**For 2.4GHz function:**

**For IEEE 802.11b/g/n/VHT/ax/be (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 (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.

**For 6GHz function:**

**For IEEE 802.11a/ax/be (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)	0.947	0.24	3.104m	1k
802.11be EHT40-BF_Nss 1,(M0)	0.949	0.23	4.624m	300
802.11be EHT80-BF_Nss 1,(M0)	0.922	0.35	4.399m	300
802.11be EHT160-BF_Nss 1,(M0)	0.954	0.2	5.107m	300
802.11be EHT20-BF_Nss 2,(M0)	0.912	0.4	3.109m	1k
802.11be EHT40-BF_Nss 2,(M0)	0.972	0.12	5.392m	300
802.11be EHT80-BF_Nss 2,(M0)	0.858	0.67	5.122m	300
802.11be EHT160-BF_Nss 2,(M0)	0.802	0.96	5.115m	300

Note:

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

1.1.4 EUT Operational Condition

<b>EUT Power Type</b>	From Power Adapter			
<b>Beamforming Function</b>	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
	The product has beamforming function for n/VHT/ax/be in 2.4GHz, n/ac/ax/be in 5GHz and ax/be in 6GHz.			
<b>Weather Band</b>	<input checked="" type="checkbox"/>	With 5600~5650MHz	<input type="checkbox"/>	Without 5600~5650MHz
<b>Function</b>	<input type="checkbox"/>	Outdoor P2M	<input checked="" type="checkbox"/>	Indoor P2M
	<input type="checkbox"/>	Fixed P2P	<input type="checkbox"/>	Client
	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
<b>TPC Function</b>	<input checked="" type="checkbox"/>	With TPC	<input type="checkbox"/>	Without TPC
<b>Channel Puncturing Function</b>	<input type="checkbox"/>	Supported	<input checked="" type="checkbox"/>	Unsupported
<b>Support RU</b>	<input checked="" type="checkbox"/>	Full RU	<input type="checkbox"/>	Partial RU
<b>Test Software Version</b>	accessMtool 3.0.0.7			

Note: The above information was declared by manufacturer.



### 1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	Description
ASUS	BT10	All the models are identical, the different models served as a marketing strategy.
	BE18000	

Note 1: From the above models, model: BT10 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

### 1.1.6 Table for EUT Supports Functions

Function
AP Router
Mesh

Note 1: After evaluating, AP Router mode was selected to test and recorded in the report.

Note 2: The USB port on this device supports both storage and WWAN functionality and EUT in WWAN mode, 10 WNA/LAN 2 ports will be fixed in WAN function.

Note 3: The above information was declared by manufacturer.

### 1.1.7 Table for EUT Information

EUT	Integrated circuit packaging (Location: UP1/BUP7)
1	FCFBGA Package
2	FCBGA Package

Note 1: From the above, EUT 2 was selected to test all items (Excepting AC Power-line Conducted Emissions) and EUT 1 was selected to test AC Power-line Conducted Emissions and Radiated below 1GHz.

Note 2: The above information was declared by manufacturer.



### 1.2 Applicable Standards

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

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

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

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

### 1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Serway Lee	24.3-24.6 / 51-62	Apr. 20, 2024~ Apr. 29, 2024
Radiated below 1GHz	03CH05-CB	Roy Mai	21.9-22.4 / 55-58	Mar. 04, 2024~ Apr. 26, 2024
				May 11, 2024
Radiated above 1GHz	03CH05-CB	Roy Mai	21.9-22.4 / 55-58	Mar. 04, 2024~ Apr. 26, 2024
	03CH06-CB		21.4-22.5 / 55-58	
Radiated Emission Co-location	03CH03-CB	Roy Mai	22.7-23.8 / 56-59	Mar. 04, 2024~ Apr. 26, 2024
AC Conduction	CO02-CB	Elvin Yeh	23~24 / 53~54	Apr. 02, 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))

Parameter	Uncertainty	Remark
RF Frequency	9.91 x 10 <sup>-7</sup> MHz	Confidence levels of 95%
RF Power Conducted	0.8 dB	Confidence levels of 95%
RF Power Radiated	4.3 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 26.5GHz)	4.1 dB	Confidence levels of 95%
Temperature	1.3 °C	Confidence levels of 95%
Humidity	3.3 %	Confidence levels of 95%
Time	1.2 %	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:

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



## 2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	AC power-line conducted emissions
<b>Condition</b>	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
<b>Operating Mode</b>	Normal Link
1	AP Router Mode / WAN Mode_EUT 1 WAN/LAN1 (WAN) + 10G WAN/LAN2 (LAN) + 10G LAN 3 (LAN) + USB Port (Read/Write) + RJ-45 cable + Adapter 1
2	AP Router Mode / WAN Mode_EUT 1 10G WAN/LAN2 (WAN) + WAN/LAN1 (LAN) + 10G LAN 3 (LAN) + USB Port (Read/Write) + RJ-45 cable + Adapter 1
3	AP Router Mode / WWAN Mode_ EUT 1 WAN/LAN1 (LAN) + 10G WAN/LAN2 (WAN) + 10G LAN 3 (LAN) + USB Port (WWAN) + RJ-45 cable + Adapter 1
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	AP Router Mode / WAN Mode_EUT 1 WAN/LAN1 (WAN) + 10G WAN/LAN2 (LAN) + 10G LAN 3 (LAN) + USB Port (Read/Write) + RJ-45 cable + Adapter 2
For operating mode 1 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Emission Bandwidth Maximum Output Power Power Spectral Density
<b>Test Condition</b>	Conducted measurement at transmit chains
<b>Test Mode</b>	1   EUT 2



<b>The Worst Case Mode for Following Conformance Tests</b>	
<b>Tests Item</b>	Unwanted Emissions
<b>Test Condition</b>	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.
<b>Operating Mode &lt; 1GHz</b>	CTX
After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.	
1	EUT 1 in Y axis WLAN 2.4GHz + Adapter 1
2	EUT 1 in Y axis WLAN 5GHz + Adapter 1
3	EUT 1 in Y axis WLAN 6GHz + Adapter 1
Mode 2 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT 1 in Y axis WLAN 5GHz + Adapter 2
Mode 2 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 will follow this same test mode.	
5	EUT 2 in Y axis WLAN 5GHz + Adapter 1
For operating mode 5 is the worst case and it was record in this test report.	
<b>Operating Mode &gt; 1GHz</b>	CTX
After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.	
1	EUT 2 in Y axis

<b>The Worst Case Mode for Following Conformance Tests</b>	
<b>Tests Item</b>	Simultaneous Transmission Analysis - Radiated Emission Co-location
<b>Test Condition</b>	Radiated measurement
<b>Operating Mode</b>	Normal Link
1	EUT 2 WLAN 2.4GHz+ WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

<b>The Worst Case Mode for Following Conformance Tests</b>	
<b>Tests Item</b>	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
<b>Operating Mode</b>	
1	EUT 2 WLAN 2.4GHz+ WLAN 5GHz+ WLAN 6GHz
2	EUT 2 WLAN 2.4GHz+ WLAN 5GHz+ WLAN 6GHz+WWAN
Refer to Sporton Test Report No.: FA422015 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 [ver 6.1.7601].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Wireless AP and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.

### 2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter 1	LEI	MU36D1120300-A1	Input: 100-240V~50/60Hz, 1.0A Output: 12V, 3A
Adapter 2	APD	WA-36N12FU	Input: 100-240V~, 50-60Hz, 0.9A Max Output: 12.0V, 3.0A
Other			
RJ-45 cable*1: Shielded, 1.5m			



## 2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WAN/LAN1 NB	DELL	E6430	N/A
B	Flash disk3.0	Transcend	JetFlash-703	N/A
C	10G WAN/LAN2 PC	DELL	OPTIPLEX 3010	N/A
D	10G LAN3 PC	DELL	OPTIPLEX 3010	N/A
E	2.4G NB	DELL	E6430	N/A
F	5G NB	DELL	E6430	N/A
G	6G NB	DELL	E7240	N/A
H	6G Device	INTEL	BE200	N/A

For Radiated (below 1GHz):

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

For Radiated (above 1GHz):

non-beamforming mode:

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

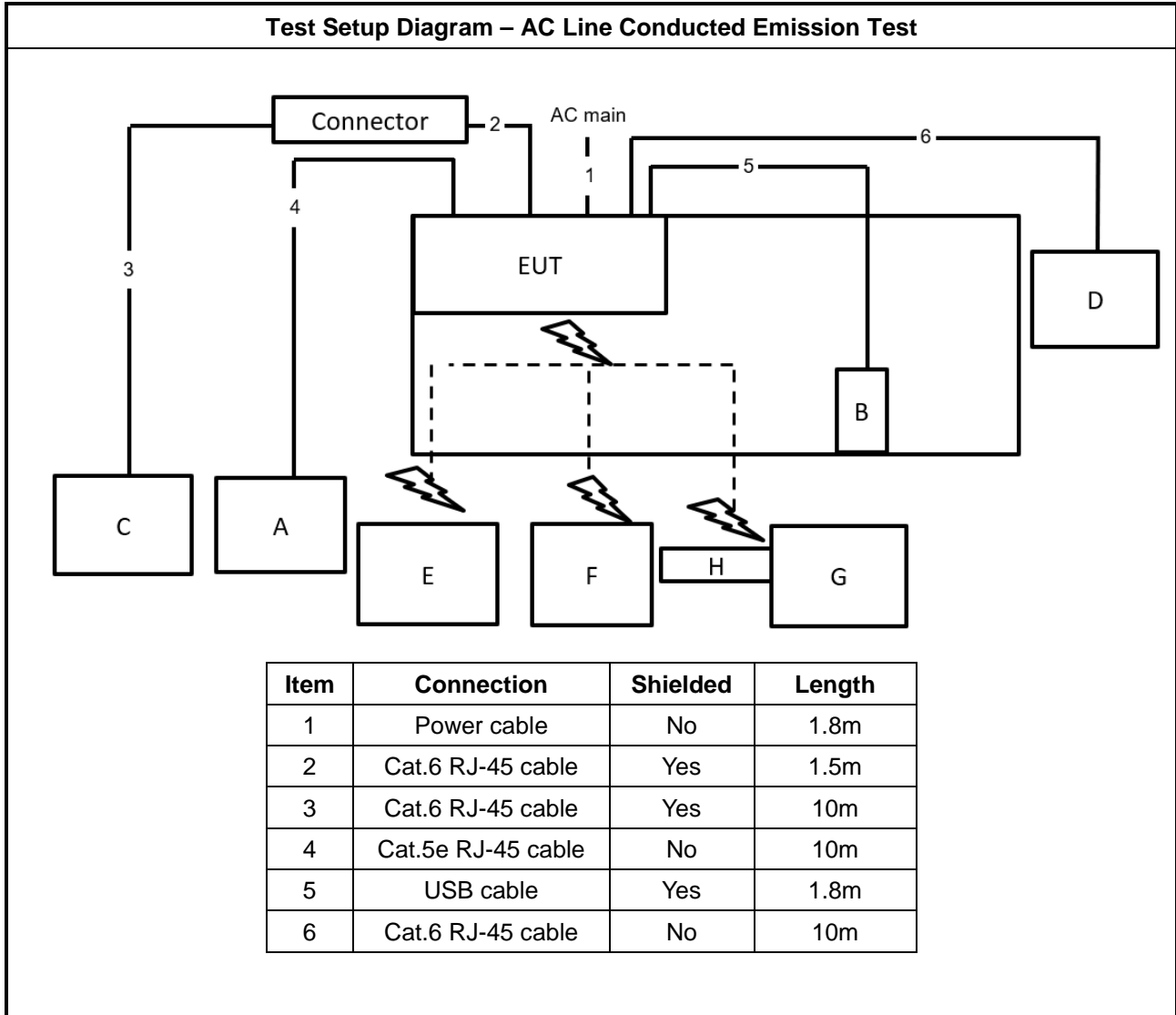
beamforming mode:

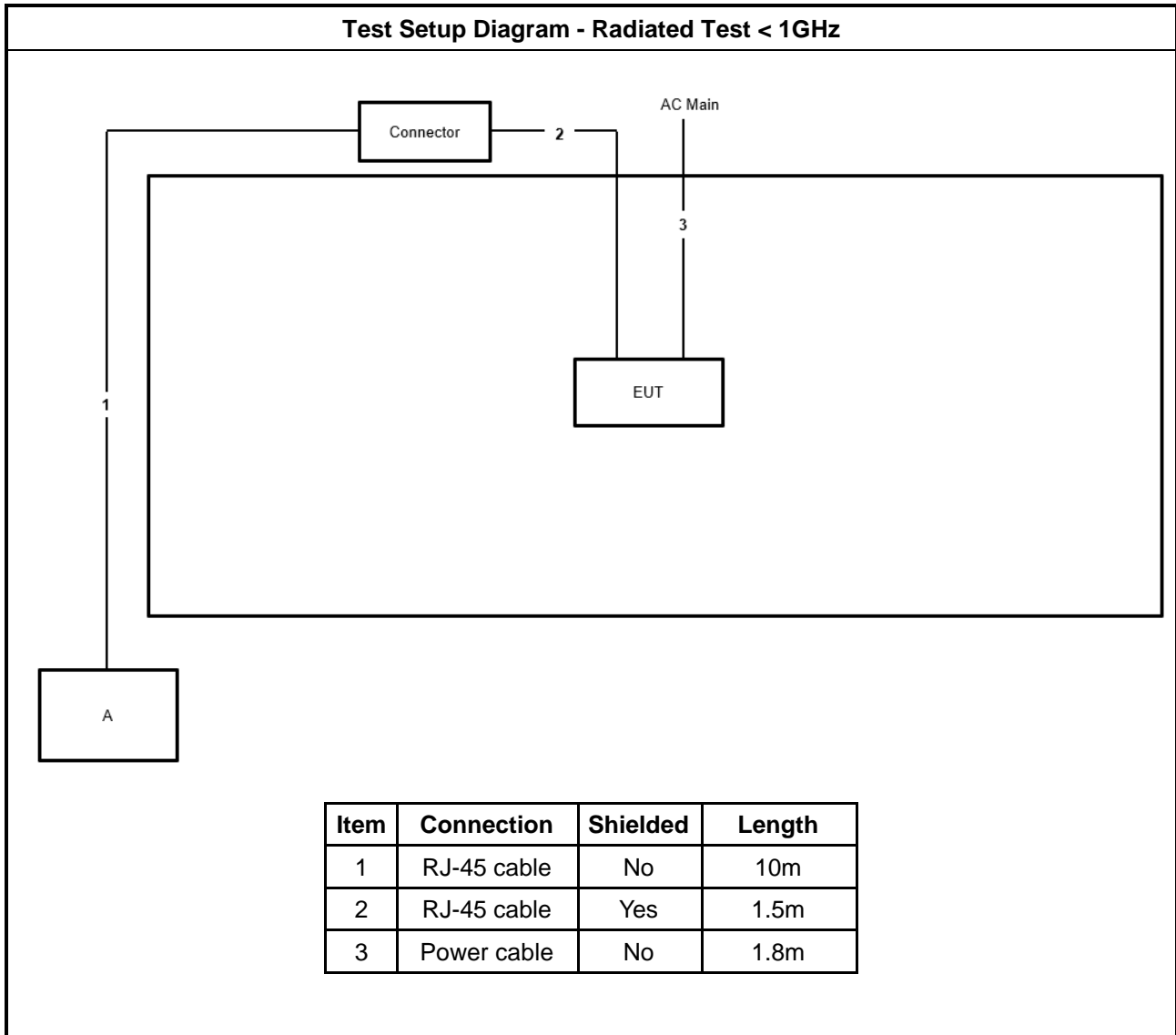
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Device	ASUS	BT10	MSQ-RTBE7800
C	Notebook	DELL	E4300	N/A

For RF Conducted:

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

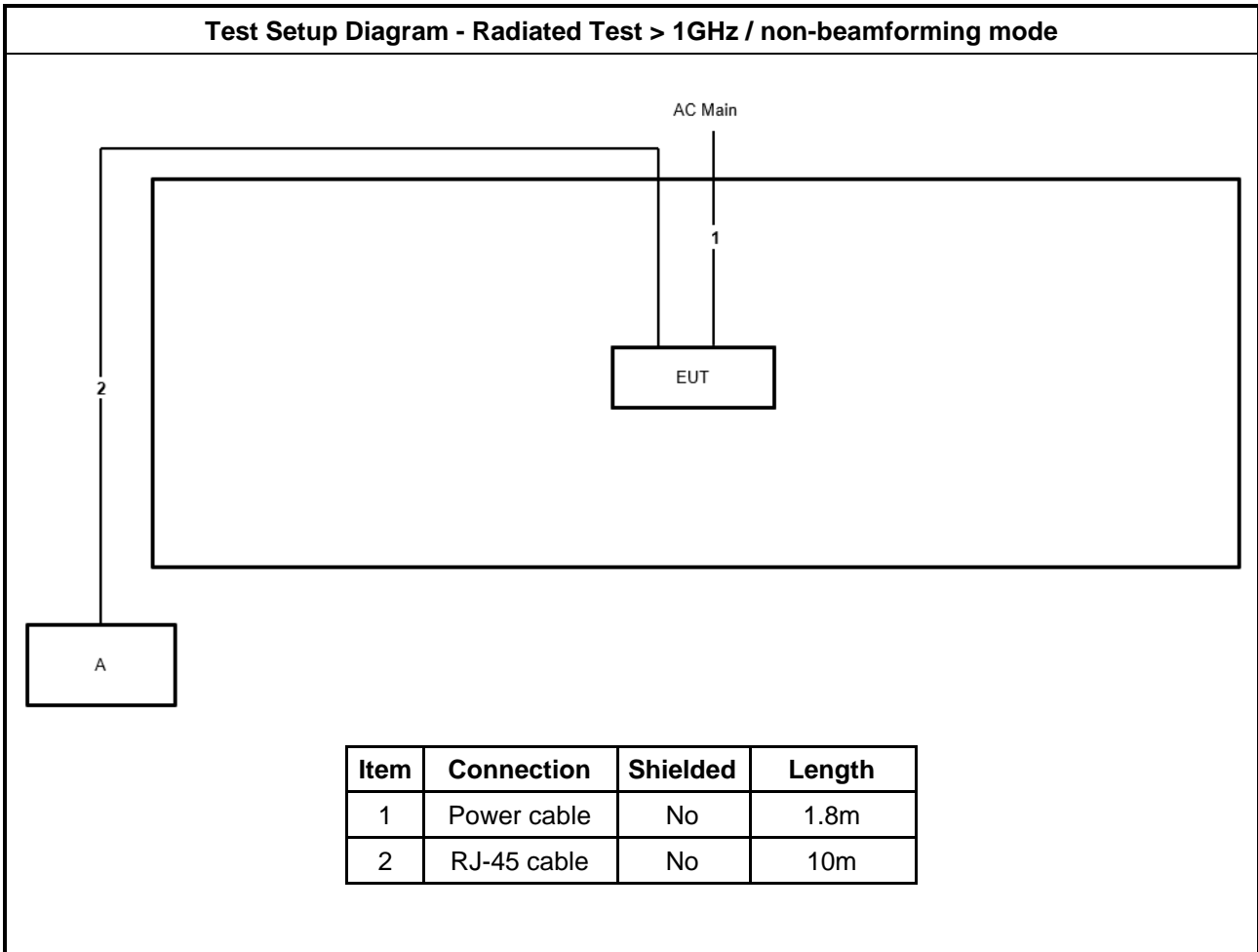
## 2.6 Test Setup Diagram





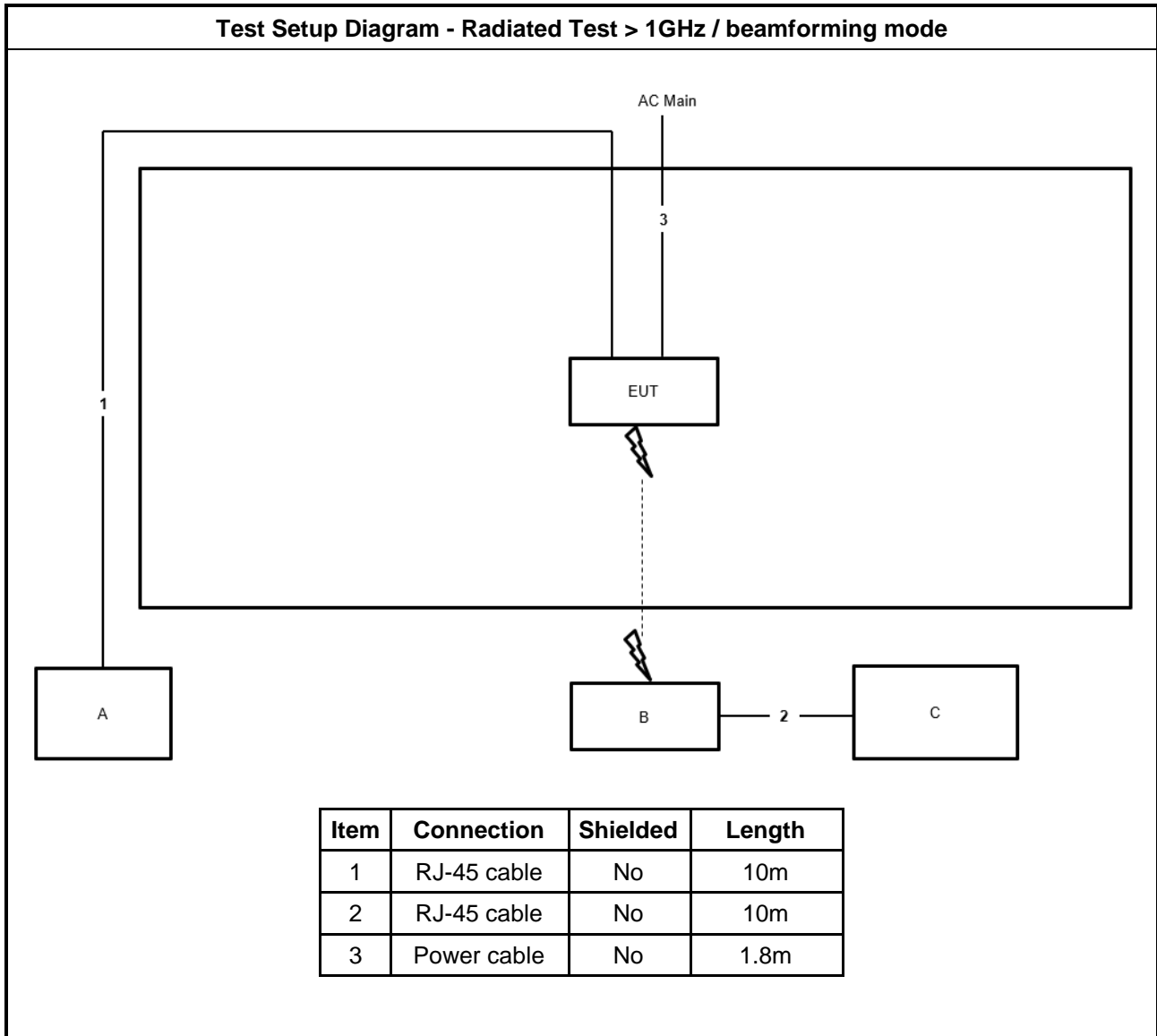


**Test Setup Diagram - Radiated Test > 1GHz / non-beamforming mode**



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







### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

##### 3.1.1 AC Power-line Conducted Emissions Limit

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

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

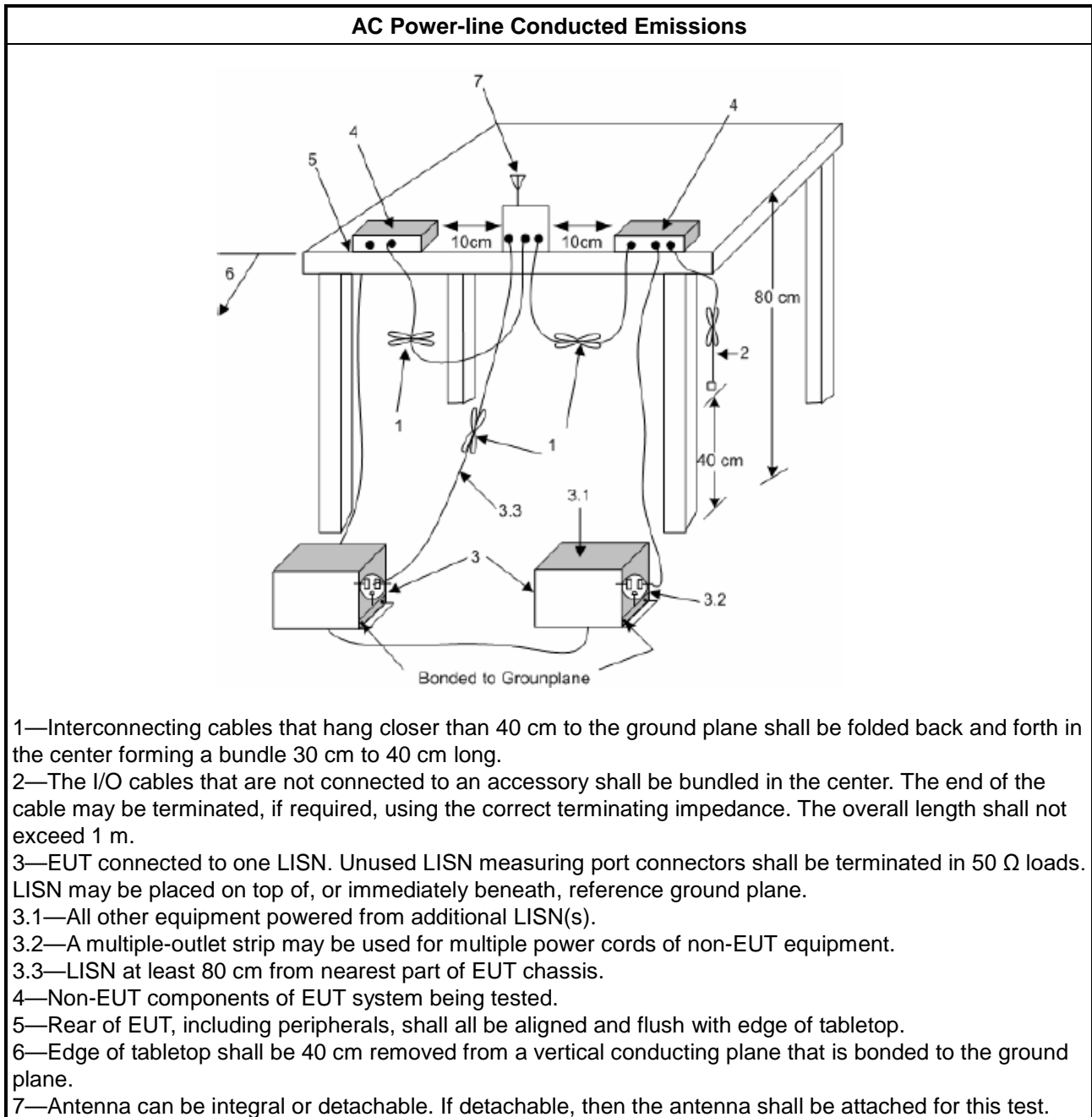
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

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

### 3.1.4 Test Setup



### 3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

### 3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

### 3.2 Emission Bandwidth

#### 3.2.1 Emission Bandwidth Limit

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

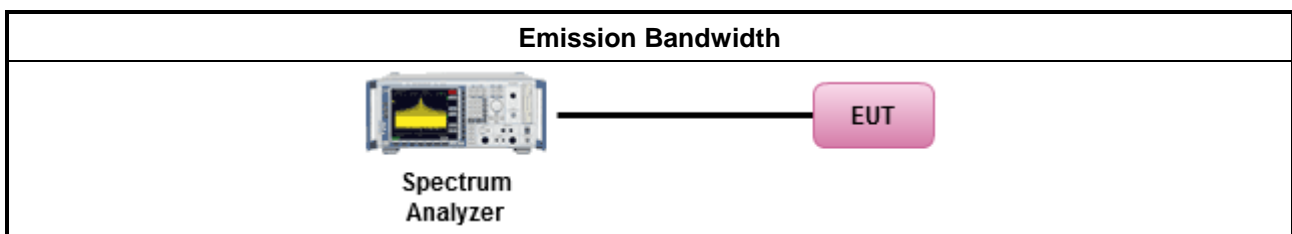
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 Test Procedures

Test Method							
<ul style="list-style-type: none"> <li>▪ For the emission bandwidth shall be measured using one of the options below:           <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20px;"><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.</td> </tr> </table> </li> </ul>		<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.	<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.	<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.						
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.						
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.						

#### 3.2.4 Test Setup



#### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



### 3.3 Maximum Output Power

#### 3.3.1 Limit

Maximum Output Power Limit	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Outdoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>. e.i.r.p. at any elevation angle above 30 degrees <math>\leq 125</math>mW [21dBm]</li> <li>▪ Indoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math></li> <li>▪ Point-to-point AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 23</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 23)</math>.</li> <li>▪ Mobile or Portable Client: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 250 mW. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 24 - (G_{TX} - 6)</math>.</li> </ul>
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or $11 + 10 \log B$ , where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or $11 + 10 \log B$ , where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W.</li> </ul>
<b>LE-LAN Devices</b>	
<input type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> <li>▪ For other devices: The maximum e.i.r.p. shall not exceed 200 mW or <math>10 + 10 \log B</math>, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.</li> <li>▪ Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or <math>1.76 + 10 \log B</math>, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.</li> </ul>
<input type="checkbox"/> For the 5.25-5.35 GHz band:	
	<ul style="list-style-type: none"> <li>▪ For other devices: The maximum conducted output power shall not exceed 250 mW or <math>11 + 10 \log 10 B</math>, dBm, and the maximum e.i.r.p. shall not exceed 1.0 W or <math>17 + 10 \log B</math>, dBm, whichever power is less. B is the 99% emission bandwidth in MHz</li> <li>▪ Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or <math>1.76 + 10 \log B</math>, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.</li> </ul>
<input type="checkbox"/> 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.	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	



	<ul style="list-style-type: none"><li>▪ Point-to-multipoint systems (P2M): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>.</li><li>▪ Point-to-point systems (P2P): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W.</li></ul>
<p><math>P_{Out}</math> = maximum conducted output power in dBm, <math>G_{TX}</math> = the maximum transmitting antenna directional gain in dBi.</p>	



3.3.2 Measuring Instruments

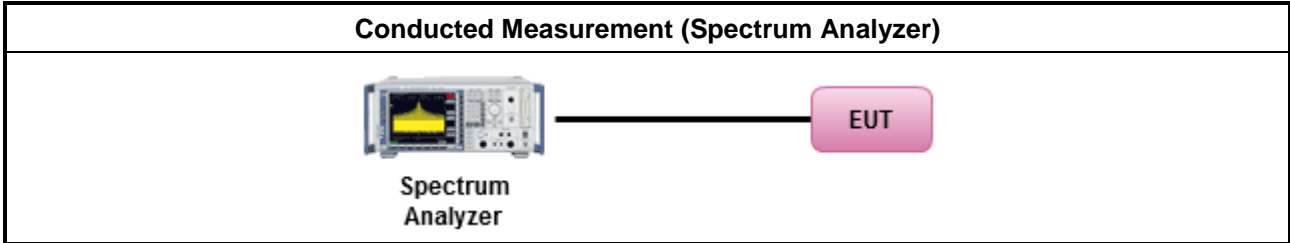
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

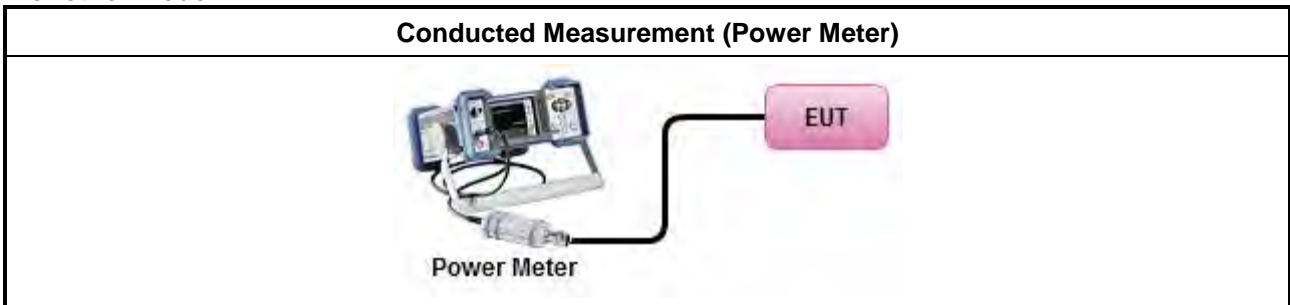
Test Method	
	Average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
<input checked="" type="checkbox"/>	For conducted measurement.
	<ul style="list-style-type: none"> <li>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.</li> </ul>
	<ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP calculation could be following as methods:  <math>P_{total} = P_1 + P_2 + \dots + P_n</math>  (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = P_{total} + DG</math> </li> </ul>
<input type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none"> <li>Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"</li> <li>Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> <li>Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.</li> </ul>

### 3.3.4 Test Setup

For Straddle channel mode:



For other mode:



### 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	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 6)</math>.</li> <li>▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 23</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 23)</math>.</li> <li>▪ Mobile or Portable Client: the peak power spectral density (PPSD) <math>\leq 11</math> dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 11 - (G_{TX} - 6)</math>.</li> </ul>
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ .	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ .	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz.</li> </ul>
<b>LE-LAN Devices</b>	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) $\leq 10$ dBm/MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz.	
	<ul style="list-style-type: none"> <li>▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where <math>\theta</math> is the angle above the local horizontal plane (of the Earth) as shown below:  -13 dBW/MHz for <math>0^\circ \leq \theta &lt; 8^\circ</math> ; -13 - 0.716 (<math>\theta</math>-8) dBW/MHz for <math>8^\circ \leq \theta &lt; 40^\circ</math>  -35.9 - 1.22 (<math>\theta</math>-40) dBW/MHz for <math>40^\circ \leq \theta \leq 45^\circ</math> ; -42 dBW/MHz for <math>\theta &gt; 45^\circ</math></li> </ul>
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz.	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz.</li> </ul>
<b>PPSD</b> = 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 <b>G<sub>TX</sub></b> = the maximum transmitting antenna directional gain in dBi.	

#### 3.4.2 Measuring Instruments

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

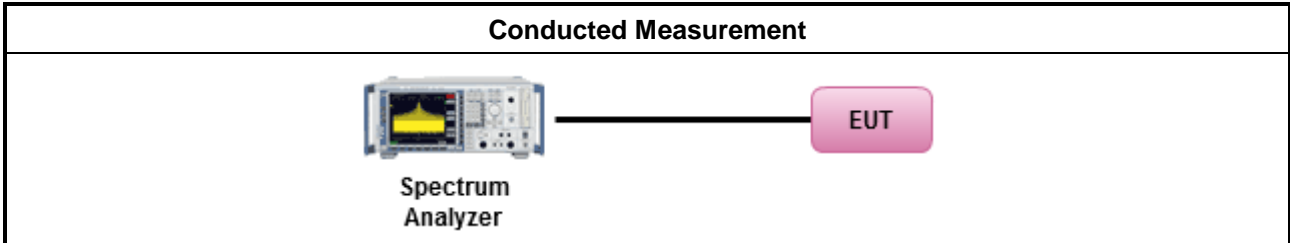


**3.4.3 Test Procedures**

Test Method	
<ul style="list-style-type: none"> <li>▪ 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:</li> </ul>	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth [duty cycle ≥ 98% or external video / power trigger]
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<input checked="" type="checkbox"/> For conducted measurement.	
<ul style="list-style-type: none"> <li>▪ If the EUT supports multiple transmit chains using options given below:</li> </ul>	
<input checked="" type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
<input type="checkbox"/>	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
<ul style="list-style-type: none"> <li>▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods:  <math>PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math>            (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = PPSD_{total} + DG</math> </li> </ul>	
<input type="checkbox"/> For radiated measurement.	
<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"</li> <li>▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> </ul>	

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.



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

### 3.5.2 Measuring Instruments

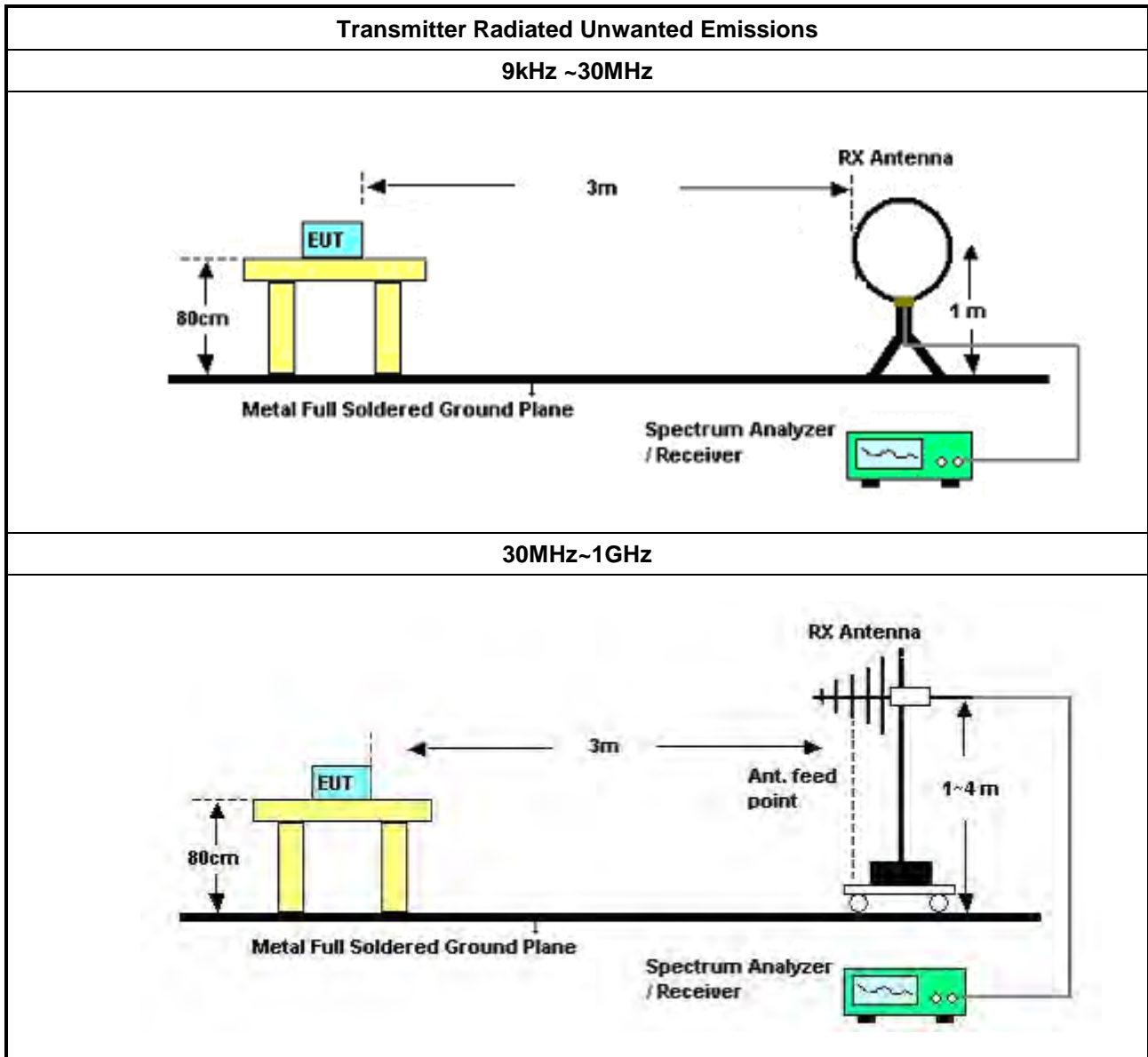
Refer a test equipment and calibration data table in this test report.

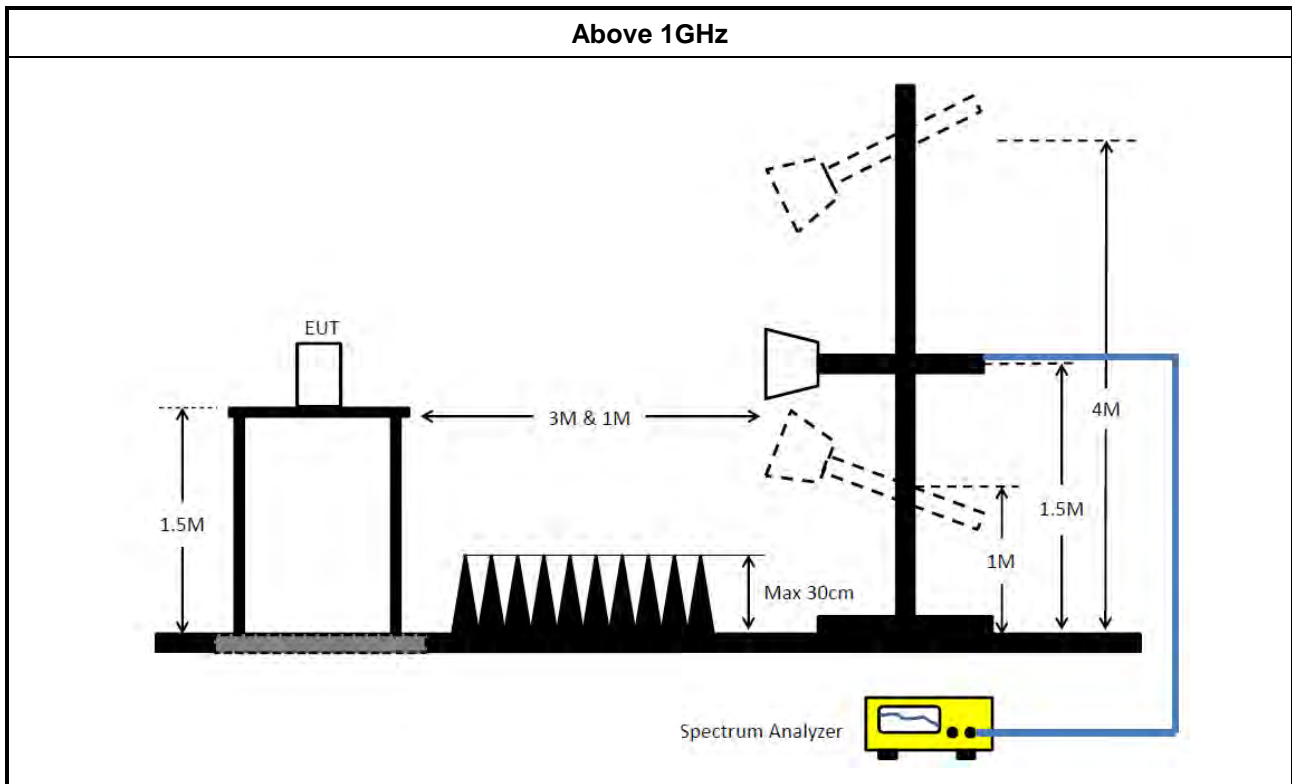


3.5.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>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).</li> </ul>	
<ul style="list-style-type: none"> <li>The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].</li> </ul>	
<ul style="list-style-type: none"> <li>For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.</li> </ul>
	<ul style="list-style-type: none"> <li>Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.</li> </ul>
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
<input type="checkbox"/>	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
<ul style="list-style-type: none"> <li>For radiated measurement.</li> </ul>	
	<ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.</li> </ul>
	<ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li> </ul>
	<ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> </ul>
<ul style="list-style-type: none"> <li>The any unwanted emissions level shall not exceed the fundamental emission level.</li> </ul>	
<ul style="list-style-type: none"> <li>All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.</li> </ul>	

**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. 06, 2023	Apr. 05, 2024	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 18, 2023	May 17, 2024	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 29, 2023	Sep. 28, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 23, 2024	Mar. 22, 2025	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 08, 2023	Jun. 07, 2024	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 02, 2024	May 01, 2025	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 17, 2024	Apr. 16, 2025	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Dec. 06, 2023	Dec. 05, 2024	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 31, 2023	Jul. 30, 2024	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	May 29, 2023	May 28, 2024	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 04, 2023	May 03, 2024	Radiation (03CH03-CB)
Horn Antenna	ETS-Lindgren	3115	6821	750MHz~18GHz	Jan. 24, 2024	Jan. 23, 2025	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 12, 2023	Jun. 11, 2024	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Feb. 29, 2024	Feb. 28, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Feb. 29, 2024	Feb. 28, 2025	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 14, 2023	Aug. 13, 2024	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 19, 2023	Oct. 18, 2024	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 19, 2023	Oct. 18, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 –26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH02-CB)

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

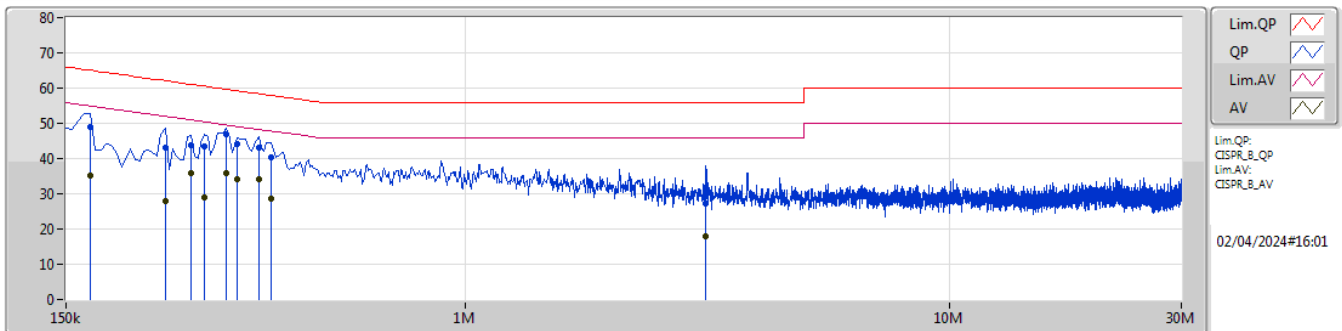
N.C.R. means Non-Calibration required.



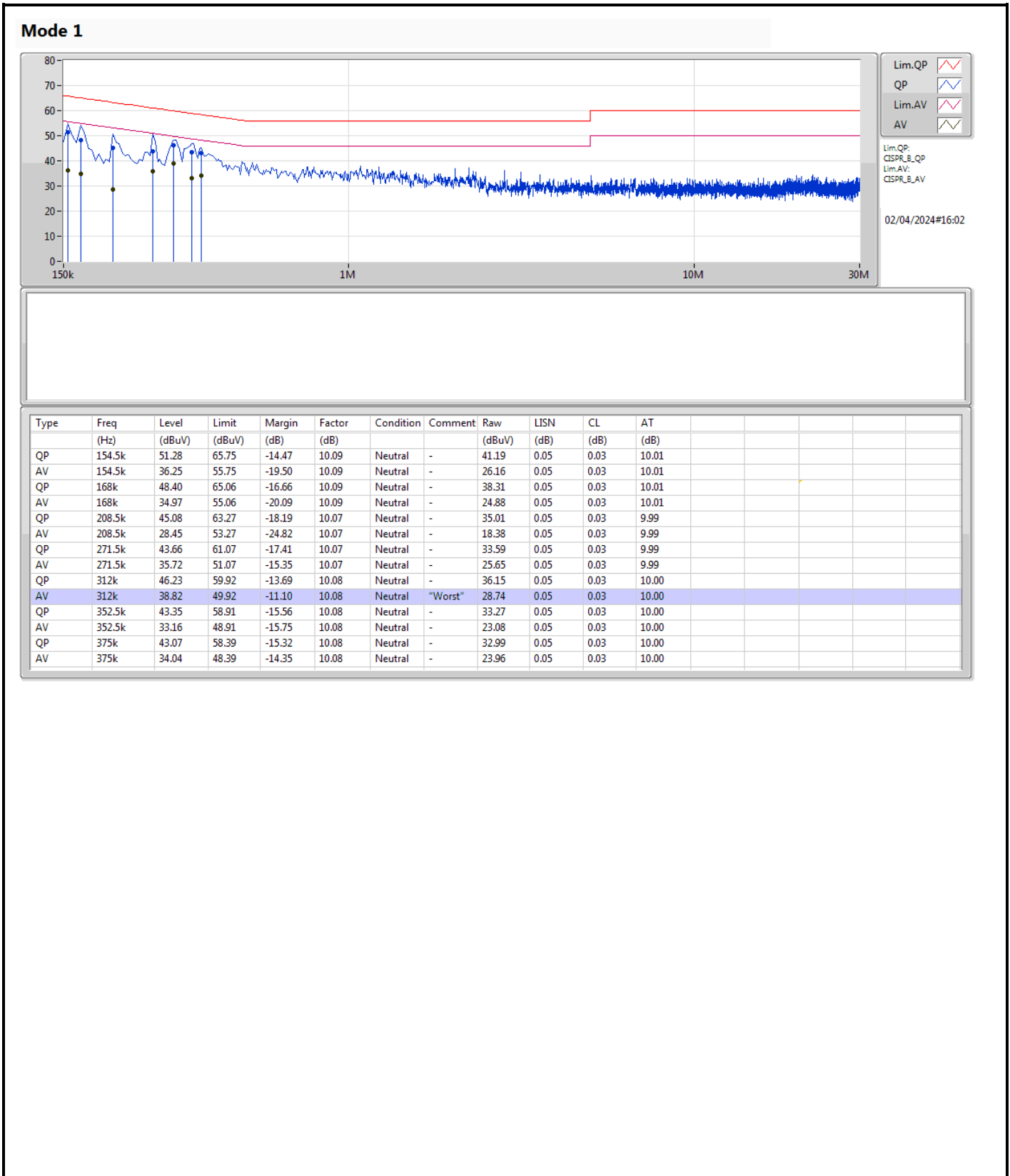
**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	312k	38.82	49.92	-11.10	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	49.02	65.06	-16.04	10.08	Line	-	38.94	0.04	0.03	10.01
AV	168k	35.08	55.06	-19.98	10.08	Line	-	25.00	0.04	0.03	10.01
QP	240k	43.19	62.10	-18.91	10.06	Line	-	33.13	0.04	0.03	9.99
AV	240k	27.91	52.10	-24.19	10.06	Line	-	17.85	0.04	0.03	9.99
QP	271.5k	43.95	61.07	-17.12	10.06	Line	-	33.89	0.04	0.03	9.99
AV	271.5k	35.92	51.07	-15.15	10.06	Line	-	25.86	0.04	0.03	9.99
QP	289.5k	43.39	60.53	-17.14	10.07	Line	-	33.32	0.04	0.03	10.00
AV	289.5k	29.08	50.53	-21.45	10.07	Line	-	19.01	0.04	0.03	10.00
QP	321k	47.01	59.67	-12.66	10.07	Line	"Worst"	36.94	0.04	0.03	10.00
AV	321k	35.97	49.67	-13.70	10.07	Line	-	25.90	0.04	0.03	10.00
QP	339k	44.27	59.23	-14.96	10.07	Line	-	34.20	0.04	0.03	10.00
AV	339k	34.22	49.23	-15.01	10.07	Line	-	24.15	0.04	0.03	10.00
QP	375k	43.08	58.39	-15.31	10.07	Line	-	33.01	0.04	0.03	10.00
AV	375k	33.98	48.39	-14.41	10.07	Line	-	23.91	0.04	0.03	10.00
QP	397.5k	40.18	57.91	-17.73	10.07	Line	-	30.11	0.04	0.03	10.00
AV	397.5k	28.46	47.91	-19.45	10.07	Line	-	18.39	0.04	0.03	10.00
QP	3.125M	27.20	56.00	-28.80	10.10	Line	-	17.10	0.09	0.10	9.91
AV	3.125M	18.02	46.00	-27.98	10.10	Line	-	7.92	0.09	0.10	9.91



**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	22.77M	16.964M	17MOD1D	21.175M	16.793M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	28.765M	19.166M	19M2D1D	21.615M	19.041M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	28.435M	19.196M	19M2D1D	21.505M	19.089M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	44.66M	37.903M	37M9D1D	40.04M	37.807M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	48.07M	37.903M	37M9D1D	40.7M	37.837M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	94.82M	77.299M	77M3D1D	83.82M	77.207M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	86.24M	77.331M	77M3D1D	82.28M	77.198M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	81.36M	77.403M	77M4D1D	80.88M	77.182M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	81.12M	77.334M	77M3D1D	80.88M	77.254M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	22.605M	16.981M	17MOD1D	21.615M	16.861M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	24.64M	19.154M	19M2D1D	21.505M	19.064M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	24.255M	19.19M	19M2D1D	21.56M	19.069M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	46.42M	37.891M	37M9D1D	40.26M	37.778M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	44M	37.889M	37M9D1D	40.81M	37.768M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	97.46M	77.439M	77M4D1D	82.72M	77.295M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	87.56M	77.418M	77M4D1D	82.5M	77.308M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	81.28M	77.367M	77M4D1D	80.72M	77.251M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	81.2M	77.319M	77M3D1D	80.88M	77.224M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.815M	17.002M	17MOD1D	15.855M	13.562M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	25.96M	19.175M	19M2D1D	16.26M	14.599M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	25.52M	19.216M	19M2D1D	16.275M	14.581M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	46.31M	37.94M	37M9D1D	34.86M	33.78M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	42.9M	37.909M	37M9D1D	35.49M	33.777M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	89.76M	77.391M	77M4D1D	75.975M	73.266M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	88.44M	77.473M	77M5D1D	76.125M	73.205M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	163.68M	156.361M	156MD1D	162.8M	156.003M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	163.68M	156.505M	157MD1D	162.8M	156.101M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.555M	17.043M	17MOD1D	3.08M	4.89M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	19.14M	19.194M	19M2D1D	4.44M	5.298M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	19.14M	19.149M	19M1D1D	4.42M	5.291M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	38.06M	37.921M	37M9D1D	3.8M	9.801M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	37.62M	37.92M	37M9D1D	3.62M	9.858M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	77.88M	77.347M	77M3D1D	3.42M	15.537M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	77.22M	77.271M	77M3D1D	3.22M	16.317M

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	21.67M	16.931M	21.23M	16.856M	22.77M	16.964M	21.67M	16.91M
5200MHz	Pass	Inf	21.45M	16.827M	21.67M	16.842M	21.56M	16.905M	21.45M	16.859M
5240MHz	Pass	Inf	21.67M	16.873M	21.67M	16.911M	21.56M	16.83M	21.175M	16.793M
5260MHz	Pass	Inf	21.615M	16.953M	22.605M	16.964M	21.89M	16.886M	21.945M	16.861M
5300MHz	Pass	Inf	21.89M	16.937M	22.165M	16.883M	22.055M	16.93M	21.67M	16.943M
5320MHz	Pass	Inf	22.22M	16.957M	22.44M	16.892M	22M	16.885M	21.78M	16.981M
5500MHz	Pass	Inf	21.395M	16.97M	21.945M	16.867M	23.815M	17.002M	23.76M	16.897M
5580MHz	Pass	Inf	22.275M	16.94M	23.54M	16.931M	22.825M	16.897M	23.045M	16.859M
5700MHz	Pass	Inf	21.065M	16.703M	20.955M	16.727M	21.065M	16.723M	21.285M	16.697M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.065M	13.616M	16.17M	13.578M	16.575M	13.562M	15.855M	13.585M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.08M	4.951M	3.22M	5.024M	3.22M	5.031M	3.2M	4.89M
5745MHz	Pass	500k	16.335M	16.873M	16.555M	16.867M	16.5M	16.798M	16.555M	16.841M
5785MHz	Pass	500k	16.555M	16.848M	16.555M	16.801M	16.555M	16.813M	16.5M	16.774M
5825MHz	Pass	500k	16.39M	16.833M	16.445M	17.043M	16.335M	16.88M	16.555M	16.79M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	25.465M	19.107M	27.665M	19.141M	25.135M	19.131M	28.765M	19.164M
5200MHz	Pass	Inf	25.245M	19.166M	22.44M	19.143M	21.67M	19.067M	21.835M	19.092M
5240MHz	Pass	Inf	25.3M	19.085M	21.615M	19.092M	23.925M	19.051M	21.725M	19.041M
5260MHz	Pass	Inf	22.385M	19.154M	22.22M	19.103M	21.945M	19.137M	22.66M	19.108M
5300MHz	Pass	Inf	22.55M	19.129M	22.66M	19.123M	21.505M	19.126M	22.77M	19.08M
5320MHz	Pass	Inf	24.64M	19.109M	22.275M	19.064M	23.43M	19.125M	22.385M	19.151M
5500MHz	Pass	Inf	25.96M	19.063M	22.715M	19.161M	24.64M	19.175M	22.11M	19.069M
5580MHz	Pass	Inf	22M	19.163M	23.265M	19.11M	22.44M	19.151M	25.685M	19.151M
5700MHz	Pass	Inf	21.45M	19.015M	21.285M	19M	21.505M	19.018M	21.395M	19.076M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.26M	14.625M	17.91M	14.628M	16.26M	14.601M	18.57M	14.599M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.5M	5.326M	4.44M	5.298M	4.48M	5.467M	4.52M	5.505M
5745MHz	Pass	500k	19.14M	19.099M	18.865M	19.161M	18.48M	19.15M	19.14M	19.067M
5785MHz	Pass	500k	18.92M	19.088M	19.03M	19.09M	18.645M	19.118M	19.03M	19.105M
5825MHz	Pass	500k	19.03M	19.194M	19.03M	19.124M	18.92M	19.108M	18.92M	19.118M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.91M	37.857M	40.59M	37.807M	41.8M	37.903M	44.66M	37.824M
5230MHz	Pass	Inf	40.04M	37.838M	41.03M	37.841M	41.36M	37.836M	42.46M	37.835M
5270MHz	Pass	Inf	42.02M	37.807M	40.26M	37.85M	41.58M	37.778M	46.42M	37.787M
5310MHz	Pass	Inf	42.9M	37.824M	41.58M	37.834M	42.13M	37.891M	40.7M	37.863M
5510MHz	Pass	Inf	45.87M	37.94M	41.69M	37.803M	41.47M	37.939M	42.02M	37.853M
5550MHz	Pass	Inf	41.69M	37.843M	41.36M	37.883M	40.7M	37.865M	40.92M	37.811M
5670MHz	Pass	Inf	46.31M	37.857M	41.91M	37.801M	41.58M	37.893M	42.35M	37.806M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.86M	33.818M	35.77M	33.82M	35.84M	33.78M	36.505M	33.859M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	9.801M	4.06M	10.013M	4M	10.677M	3.8M	10.17M
5755MHz	Pass	500k	35.97M	37.726M	38.06M	37.921M	37.73M	37.896M	37.4M	37.802M
5795MHz	Pass	500k	37.4M	37.805M	37.4M	37.842M	38.06M	37.801M	36.74M	37.862M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	94.82M	77.284M	84.04M	77.29M	86.02M	77.299M	83.82M	77.207M
5290MHz	Pass	Inf	82.94M	77.31M	85.8M	77.439M	82.72M	77.295M	97.46M	77.344M
5530MHz	Pass	Inf	83.16M	77.196M	81.62M	77.366M	82.5M	77.288M	81.84M	77.23M
5610MHz	Pass	Inf	81.84M	77.264M	81.62M	77.367M	80.74M	77.391M	89.76M	77.311M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.275M	73.266M	76.65M	73.291M	78.9M	73.328M	75.975M	73.336M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	17.109M	4.06M	15.537M	3.42M	18.288M	3.98M	17.489M
5775MHz	Pass	500k	77M	77.267M	77.88M	77.347M	75.68M	77.245M	76.78M	77.258M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.36M	77.182M	80.88M	77.184M	81.28M	77.403M	81.12M	77.224M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.28M	77.27M	81.12M	77.367M	81.28M	77.251M	80.72M	77.265M
5570MHz	Pass	Inf	163.68M	156.094M	163.68M	156.329M	163.68M	156.003M	162.8M	156.361M
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	28.435M	19.179M	21.835M	19.153M	26.675M	19.196M	25.19M	19.096M
5200MHz	Pass	Inf	22.275M	19.116M	22.44M	19.109M	22.715M	19.143M	22.275M	19.089M
5240MHz	Pass	Inf	21.835M	19.124M	22.715M	19.176M	21.505M	19.116M	21.725M	19.099M
5260MHz	Pass	Inf	23.32M	19.113M	22.22M	19.088M	22.055M	19.17M	22.495M	19.11M
5300MHz	Pass	Inf	21.56M	19.069M	24.145M	19.094M	22.055M	19.19M	23.65M	19.104M
5320MHz	Pass	Inf	24.255M	19.176M	23.65M	19.087M	23.98M	19.114M	22.715M	19.115M
5500MHz	Pass	Inf	22.605M	19.169M	22.44M	19.096M	22.88M	19.106M	25.52M	19.206M
5580MHz	Pass	Inf	23.815M	19.096M	22.275M	19.216M	22.77M	19.08M	23.65M	19.13M
5700MHz	Pass	Inf	21.67M	19.05M	21.45M	19.066M	21.34M	19.034M	21.395M	19.053M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	19.05M	14.656M	16.275M	14.625M	19.785M	14.618M	17.31M	14.581M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.54M	5.506M	4.54M	5.291M	4.42M	5.66M	4.5M	5.588M
5745MHz	Pass	500k	18.7M	19.116M	18.975M	19.131M	19.03M	19.038M	18.535M	19.065M
5785MHz	Pass	500k	18.755M	19.105M	19.14M	19.144M	19.085M	19.092M	19.03M	19.112M
5825MHz	Pass	500k	18.975M	19.086M	18.865M	19.149M	18.81M	19.072M	18.92M	19.104M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	42.24M	37.903M	41.69M	37.837M	48.07M	37.872M	41.03M	37.892M
5230MHz	Pass	Inf	41.8M	37.878M	41.36M	37.896M	40.81M	37.866M	40.7M	37.846M
5270MHz	Pass	Inf	43.34M	37.872M	42.13M	37.889M	42.02M	37.768M	40.81M	37.834M
5310MHz	Pass	Inf	41.69M	37.82M	41.91M	37.809M	44M	37.831M	43.78M	37.778M
5510MHz	Pass	Inf	42.35M	37.872M	42.9M	37.856M	42.79M	37.872M	42.57M	37.909M
5550MHz	Pass	Inf	42.9M	37.804M	41.03M	37.82M	41.14M	37.744M	41.47M	37.799M
5670MHz	Pass	Inf	40.48M	37.749M	40.81M	37.893M	41.03M	37.824M	41.69M	37.817M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	37.765M	33.777M	35.77M	33.834M	35.49M	33.854M	36.61M	33.825M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	10.074M	3.62M	10.511M	3.92M	9.927M	3.8M	9.858M
5755MHz	Pass	500k	37.51M	37.92M	36.85M	37.913M	36.85M	37.797M	37.62M	37.822M
5795MHz	Pass	500k	37.51M	37.825M	36.63M	37.91M	36.96M	37.785M	37.51M	37.855M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.5M	77.331M	82.28M	77.329M	82.28M	77.198M	86.24M	77.228M
5290MHz	Pass	Inf	87.56M	77.308M	84.92M	77.388M	82.5M	77.418M	86.9M	77.356M
5530MHz	Pass	Inf	82.06M	77.473M	81.84M	77.326M	88.44M	77.31M	82.94M	77.275M
5610MHz	Pass	Inf	81.18M	77.427M	83.6M	77.329M	82.06M	77.337M	82.28M	77.254M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	79.275M	73.312M	76.125M	73.205M	77.4M	73.346M	76.125M	73.324M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4M	17.981M	3.96M	16.317M	3.42M	17.549M	3.22M	17.93M
5775MHz	Pass	500k	76.12M	77.271M	77.22M	77.269M	77M	77.147M	74.14M	77.139M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.88M	77.263M	81.04M	77.303M	81.12M	77.334M	80.96M	77.254M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	80.88M	77.266M	80.88M	77.224M	80.88M	77.319M	81.2M	77.291M
5570MHz	Pass	Inf	163.68M	156.101M	163.68M	156.505M	162.8M	156.103M	163.68M	156.111M

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

23/04/2024

CF (Hz)  
5.18G

Span (Hz)  
110M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

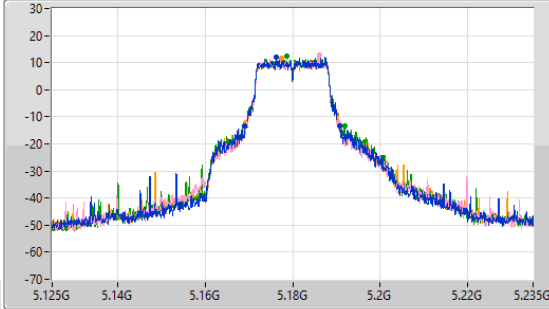
Detector Type  
Peak

Port 1

Port 2

Port 3

Port 4



CF (Hz)  
5.18G

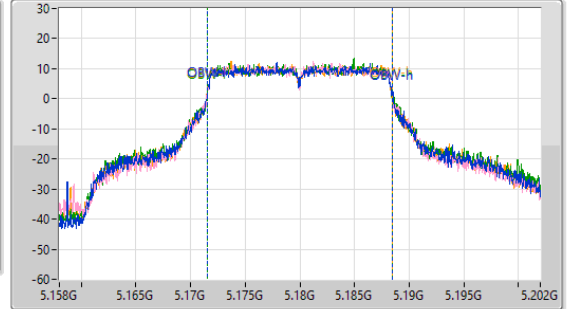
Span (Hz)  
44M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.67M	5.16911G	5.19078G	16.931M	5.17154G	5.188471G	Inf	1
21.23M	5.16933G	5.19056G	16.856M	5.17159G	5.188415G	Inf	2
22.77M	5.169165G	5.191935G	16.964M	5.171513G	5.188477G	Inf	3
21.67M	5.169275G	5.190945G	16.91M	5.171509G	5.188419G	Inf	4

5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5200MHz

23/04/2024

CF (Hz)  
5.2G

Span (Hz)  
110M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

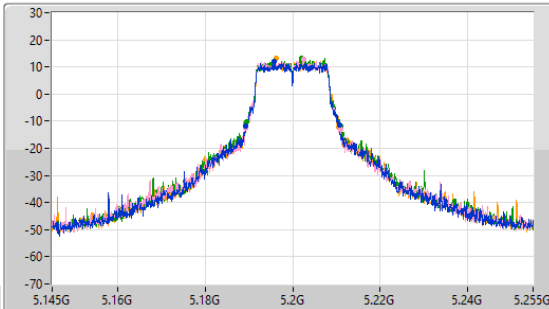
Detector Type  
Peak

Port 1

Port 2

Port 3

Port 4



CF (Hz)  
5.2G

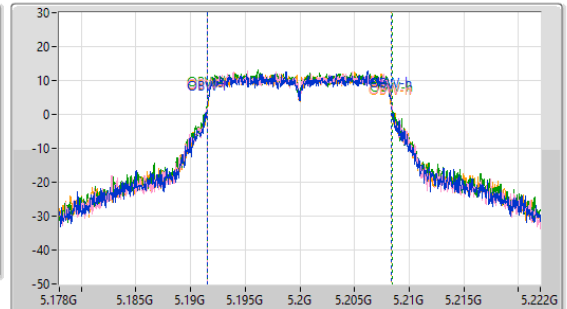
Span (Hz)  
44M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



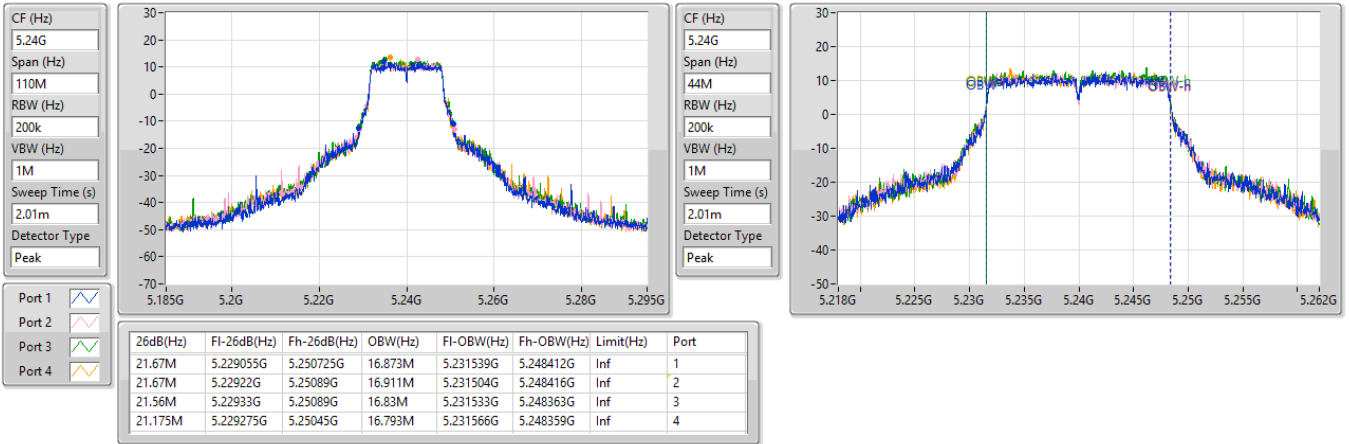
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.18922G	5.21067G	16.827M	5.191564G	5.20839G	Inf	1
21.67M	5.189275G	5.210945G	16.842M	5.191554G	5.208396G	Inf	2
21.56M	5.18944G	5.211G	16.905M	5.191523G	5.208428G	Inf	3
21.45M	5.189165G	5.210615G	16.859M	5.191542G	5.208401G	Inf	4

5.15-5.25GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5240MHz

23/04/2024

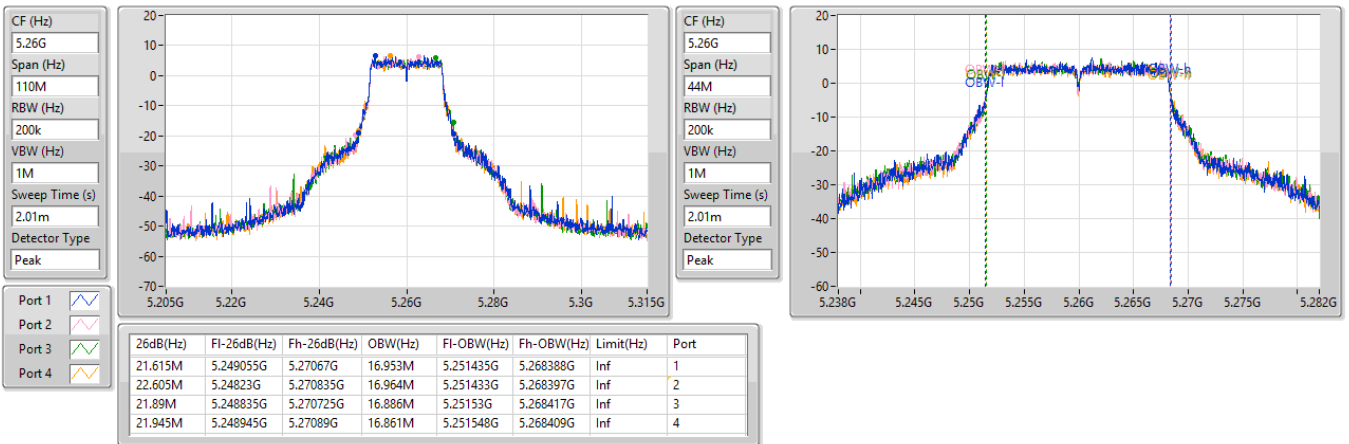


5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5260MHz

23/04/2024

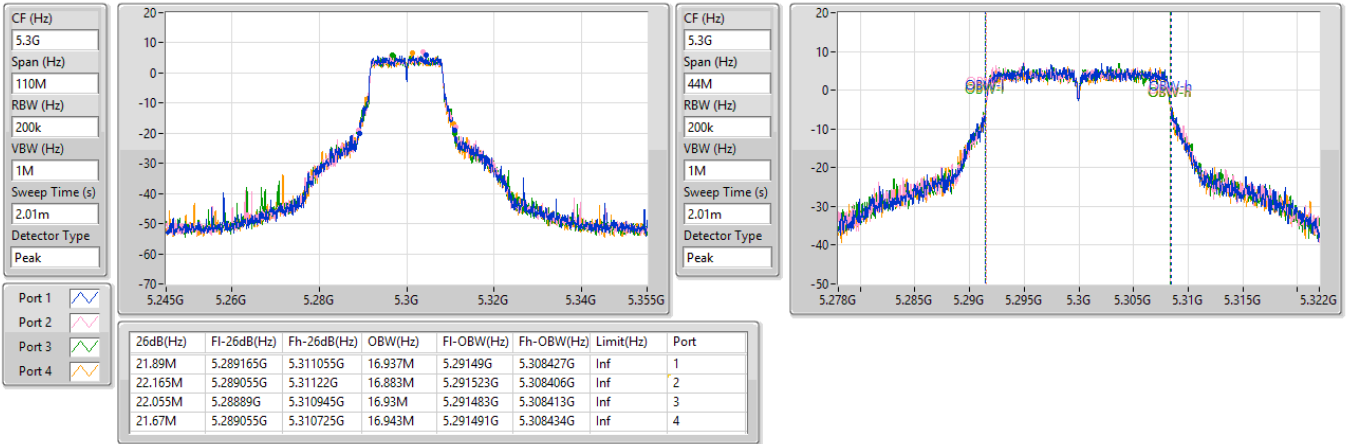


5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5300MHz

23/04/2024

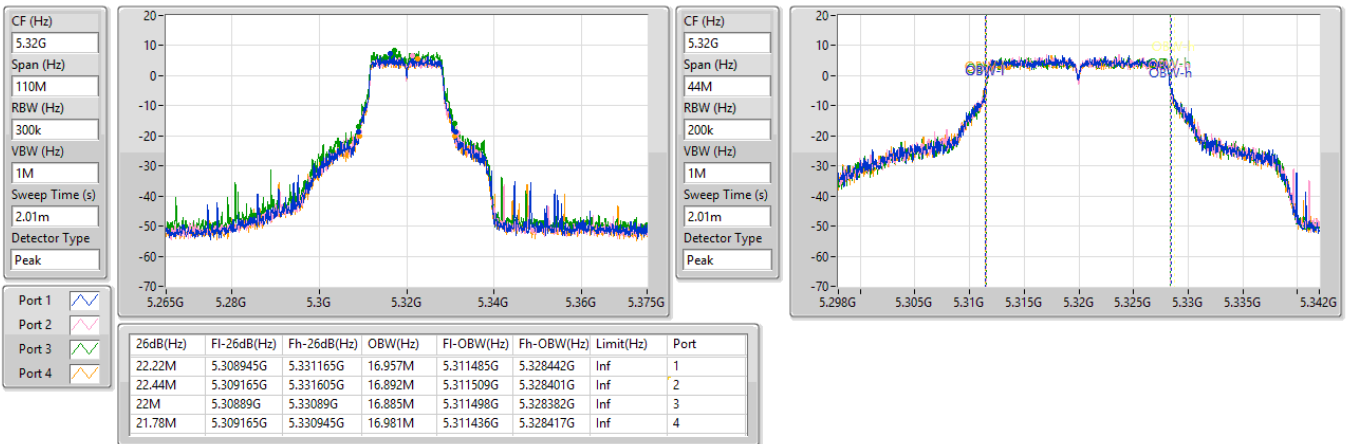


5.25-5.35GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5320MHz

23/04/2024



5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5500MHz

23/04/2024

CF (Hz)  
5.5G

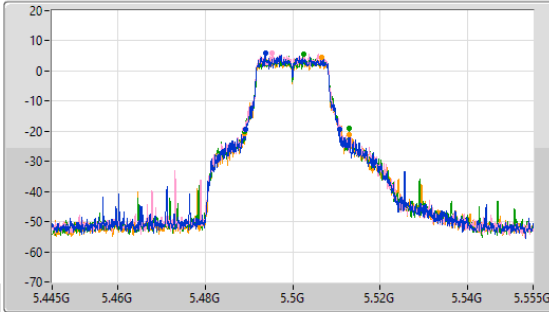
Span (Hz)  
110M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.5G

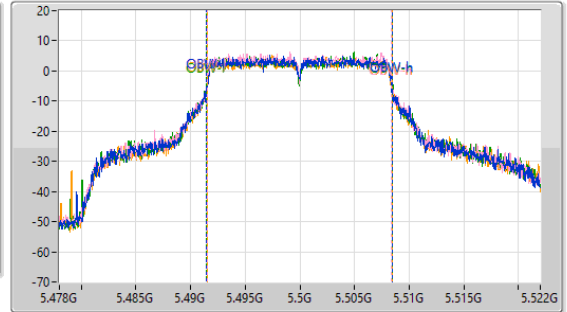
Span (Hz)  
44M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.395M	5.489275G	5.51067G	16.97M	5.491452G	5.508422G	Inf	1
21.945M	5.48889G	5.510835G	16.867M	5.491531G	5.508398G	Inf	2
23.815M	5.48911G	5.512925G	17.002M	5.49148G	5.508482G	Inf	3
23.76M	5.48911G	5.51287G	16.897M	5.491517G	5.508414G	Inf	4

5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5580MHz

23/04/2024

CF (Hz)  
5.58G

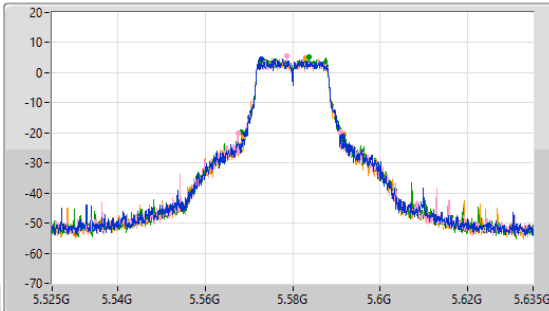
Span (Hz)  
110M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.58G

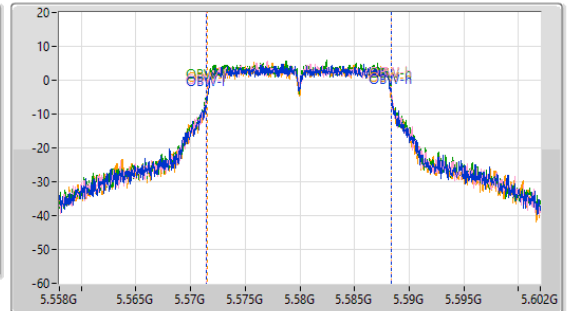
Span (Hz)  
44M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.275M	5.569165G	5.59144G	16.94M	5.571457G	5.588396G	Inf	1
23.54M	5.56746G	5.591G	16.931M	5.571467G	5.588398G	Inf	2
22.825M	5.568395G	5.59122G	16.897M	5.571481G	5.588379G	Inf	3
23.045M	5.568725G	5.59177G	16.859M	5.571497G	5.588356G	Inf	4

5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5700MHz

23/04/2024

CF (Hz)  
5.7G

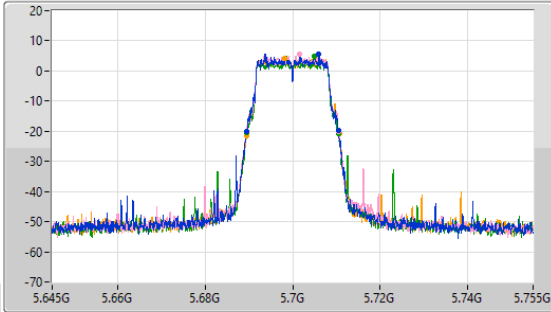
Span (Hz)  
110M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.7G

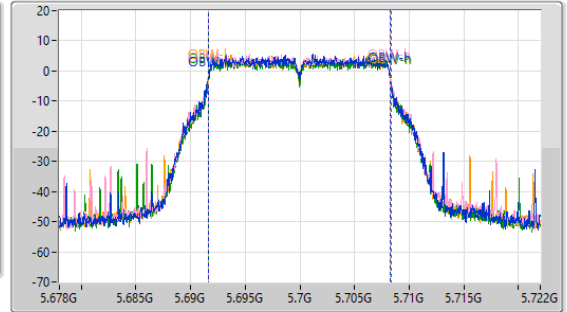
Span (Hz)  
44M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.065M	5.689495G	5.71056G	16.703M	5.69159G	5.708293G	Inf	1
20.955M	5.689495G	5.71045G	16.727M	5.69159G	5.708316G	Inf	2
21.065M	5.68944G	5.710505G	16.723M	5.691597G	5.70832G	Inf	3
21.285M	5.689385G	5.71067G	16.697M	5.69162G	5.708316G	Inf	4

5.47-5.725GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

23/04/2024

CF (Hz)  
5.71G

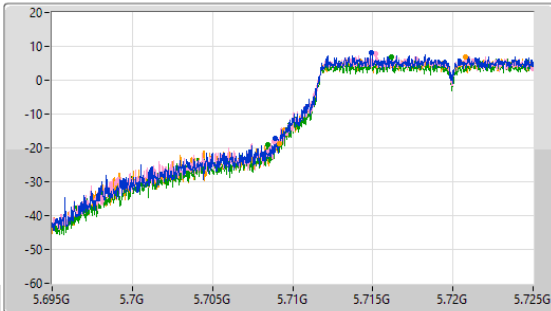
Span (Hz)  
30M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.71G

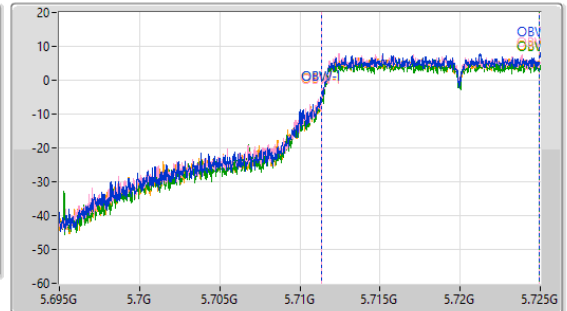
Span (Hz)  
30M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

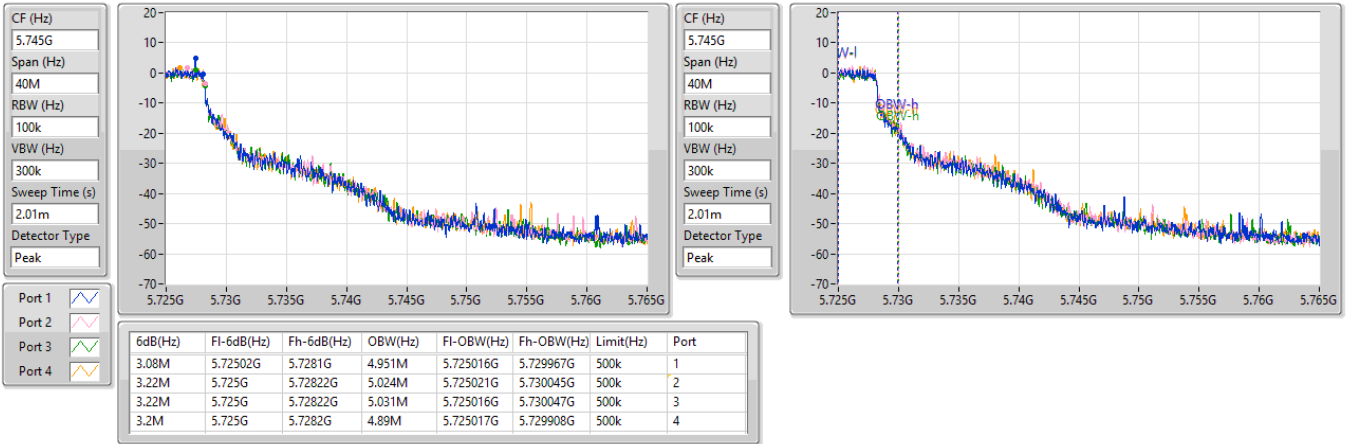
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.065M	5.708935G	5.725G	13.616M	5.711347G	5.724962G	Inf	1
16.17M	5.70883G	5.725G	13.578M	5.711351G	5.724929G	Inf	2
16.575M	5.708425G	5.725G	13.562M	5.711374G	5.724936G	Inf	3
15.855M	5.709145G	5.725G	13.585M	5.711343G	5.724928G	Inf	4

5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

23/04/2024

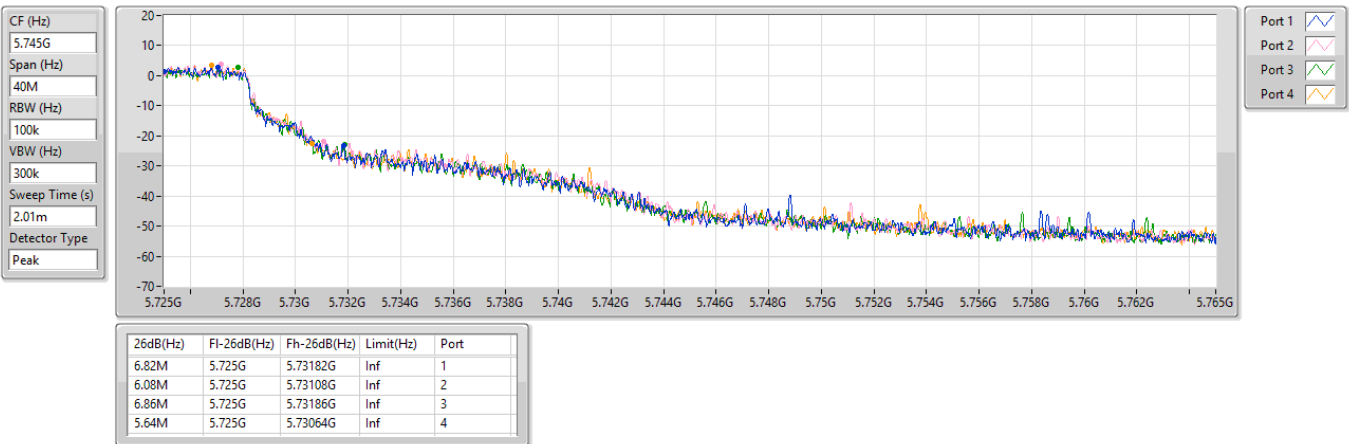


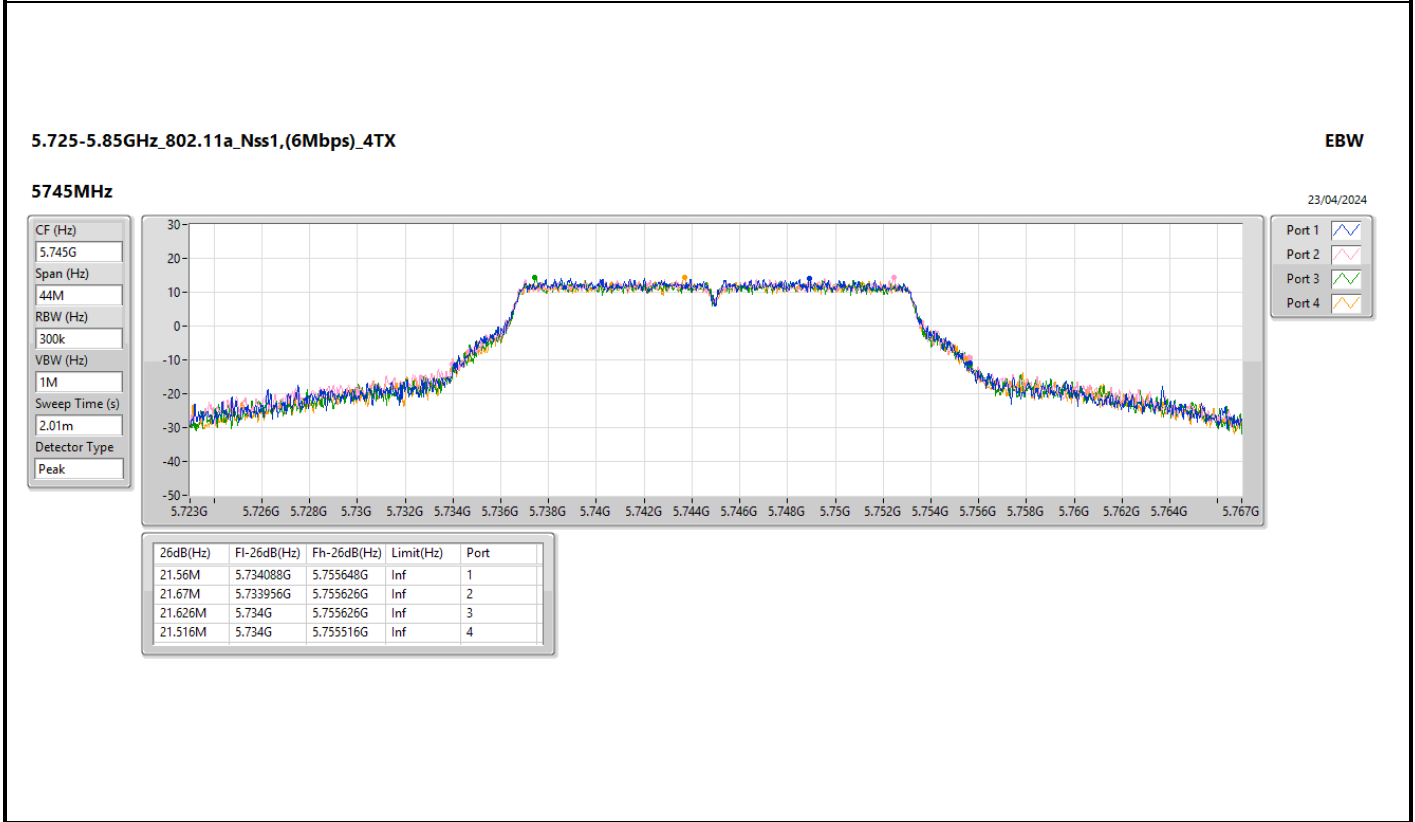
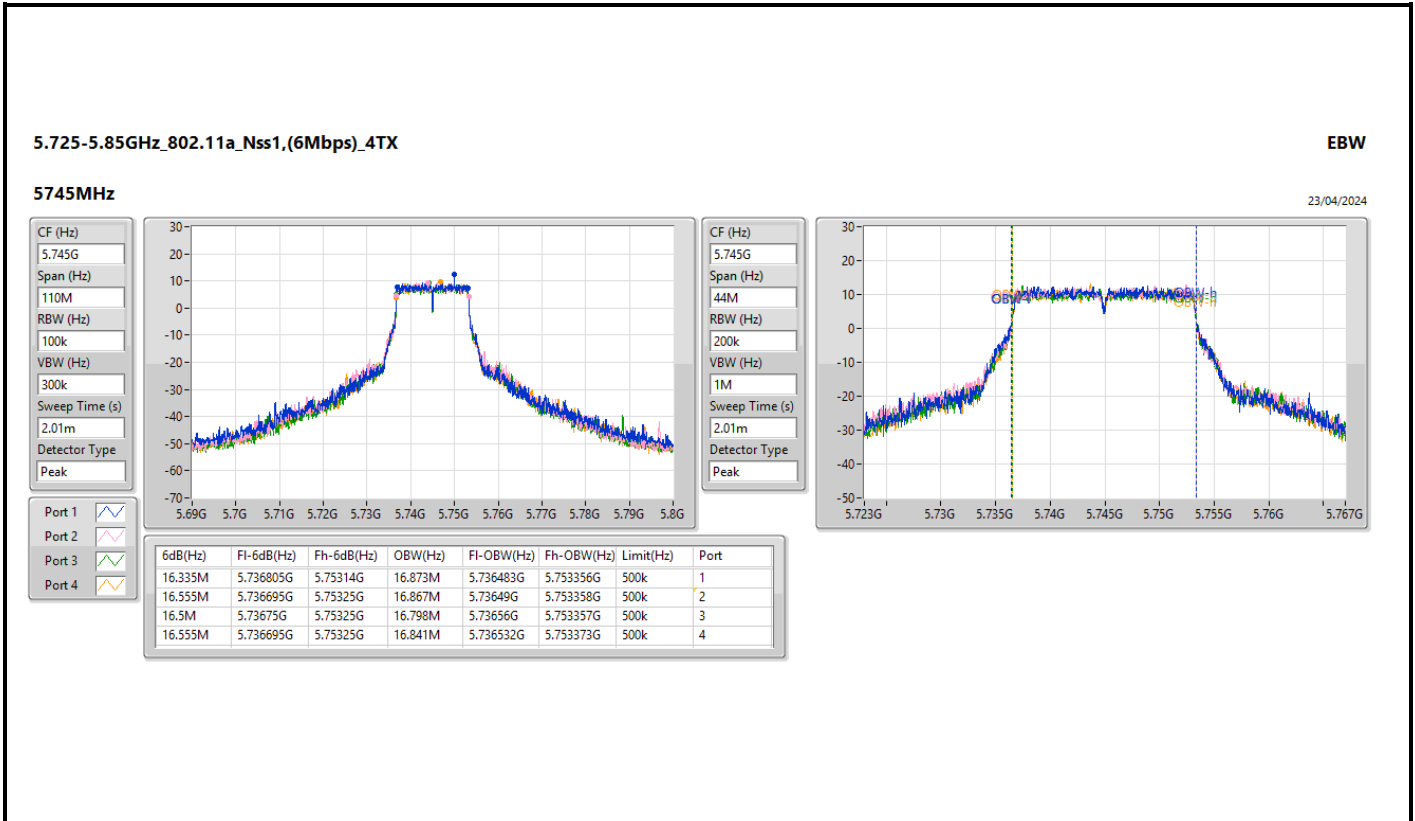
5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

23/04/2024





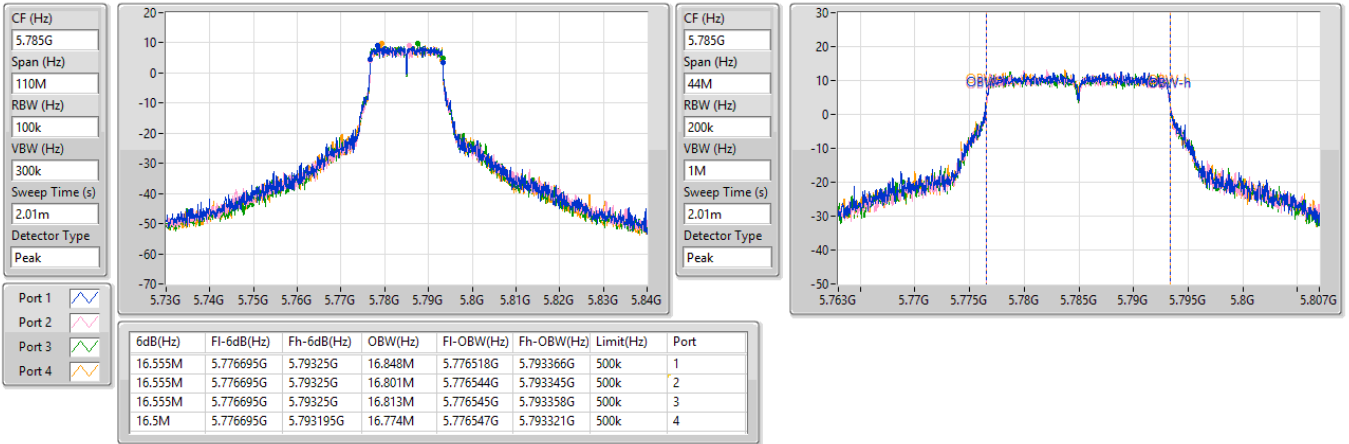


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5785MHz

23/04/2024

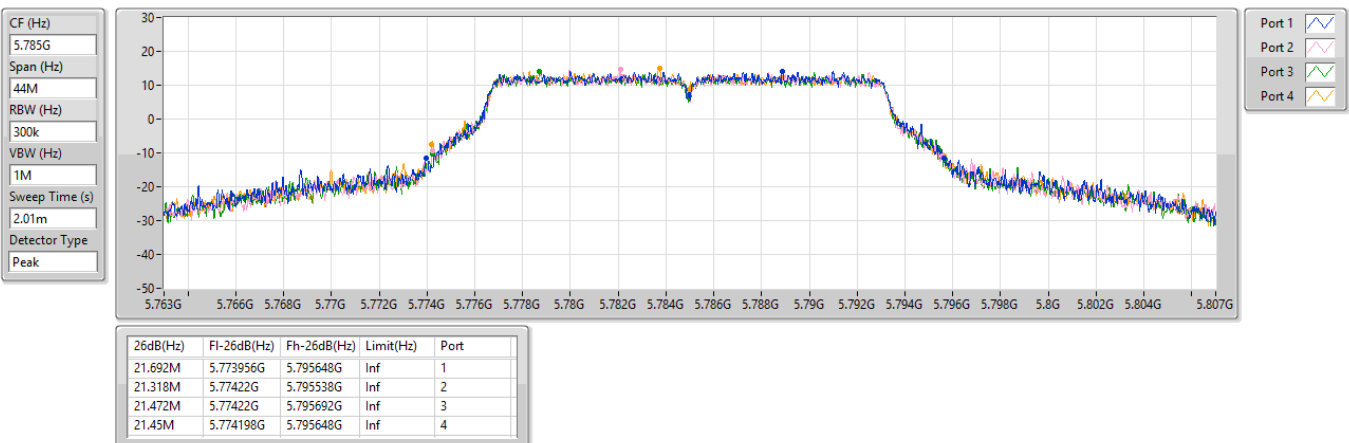


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5785MHz

23/04/2024

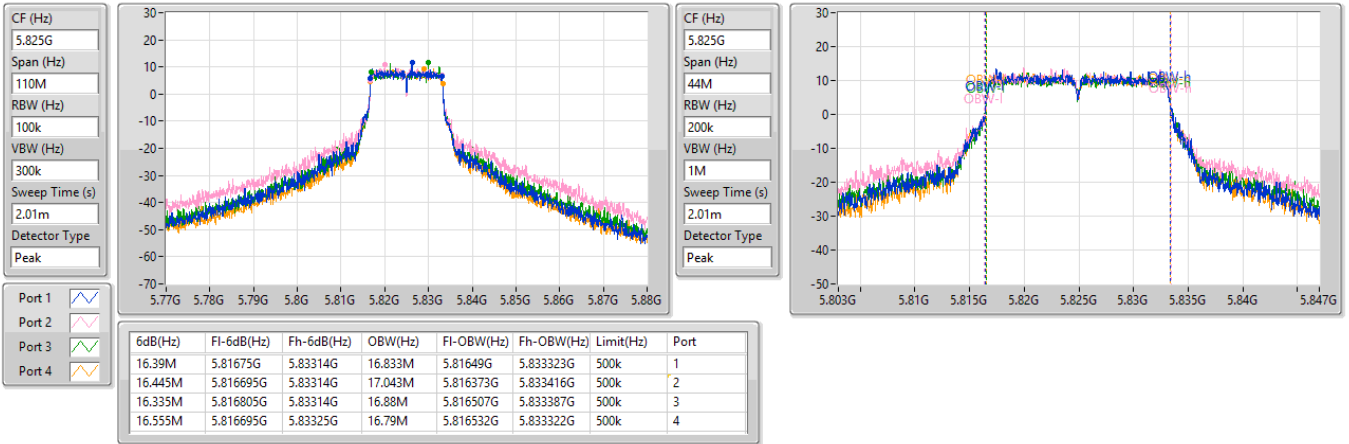


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5825MHz

23/04/2024

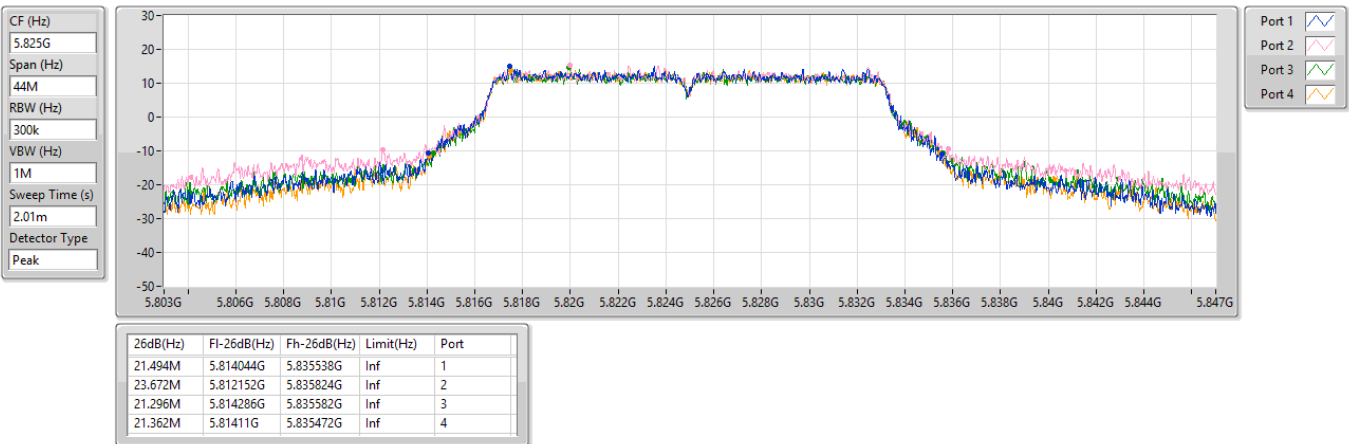


5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5825MHz

23/04/2024

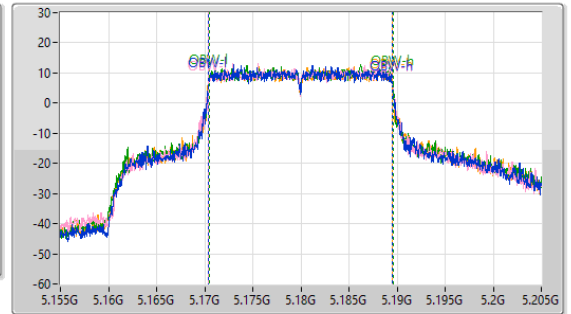
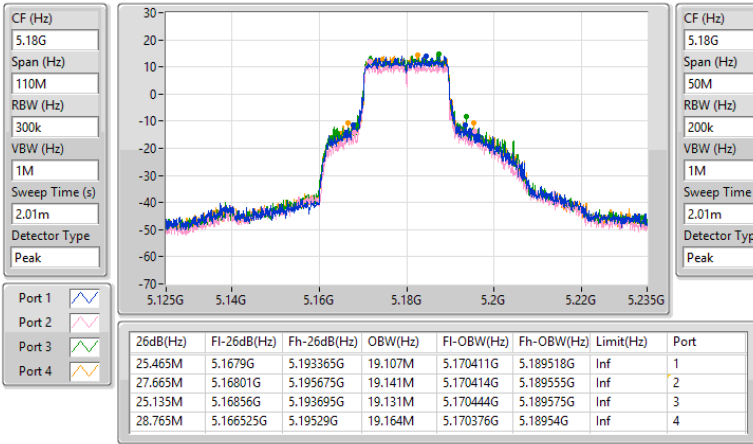


5.15-5.25GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5180MHz

23/04/2024

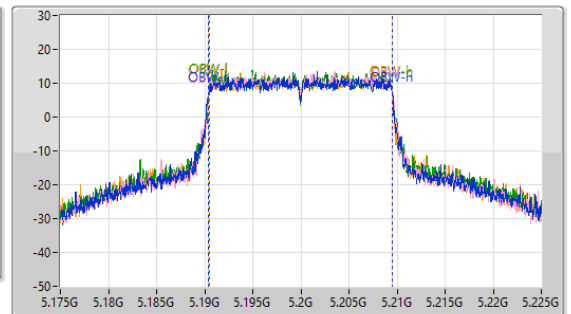
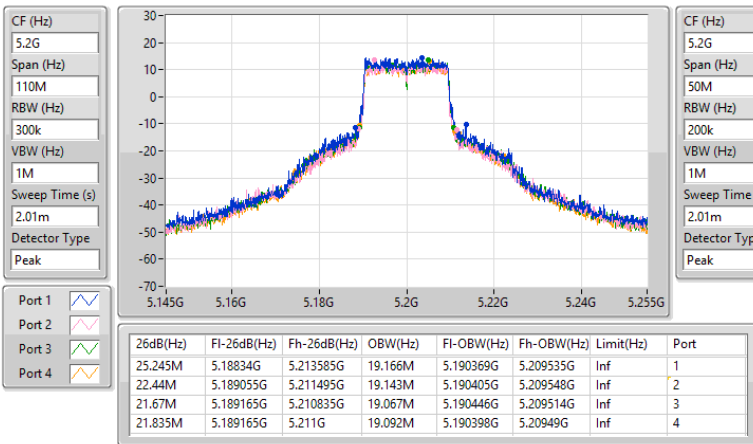


5.15-5.25GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5200MHz

23/04/2024

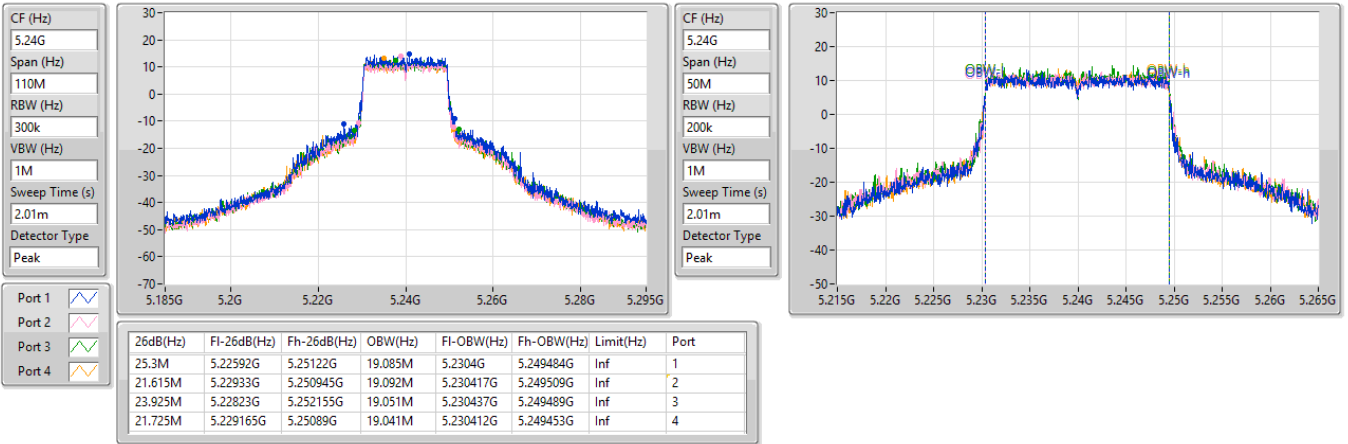


5.15-5.25GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5240MHz

23/04/2024

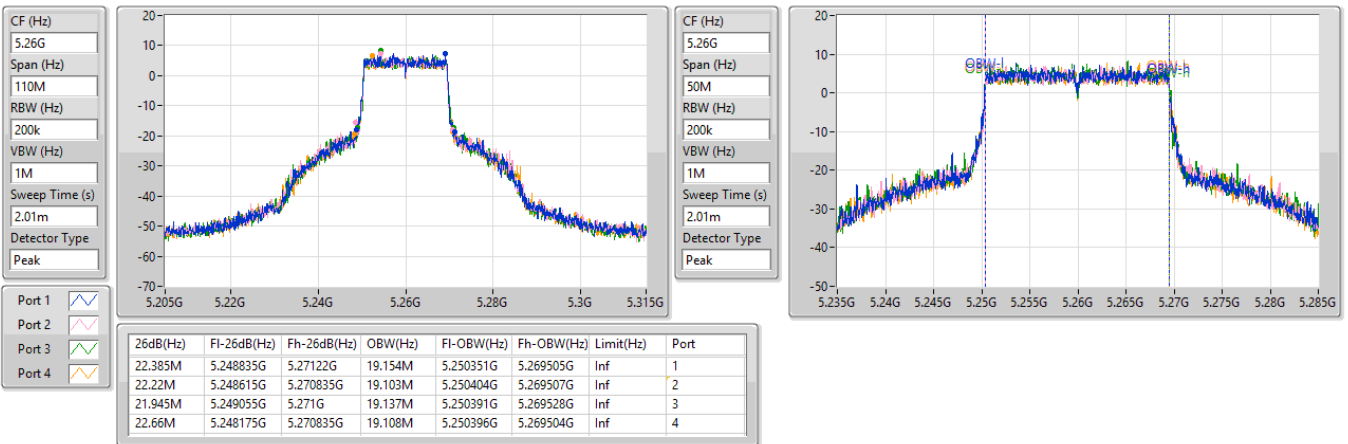


5.25-5.35GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5260MHz

23/04/2024

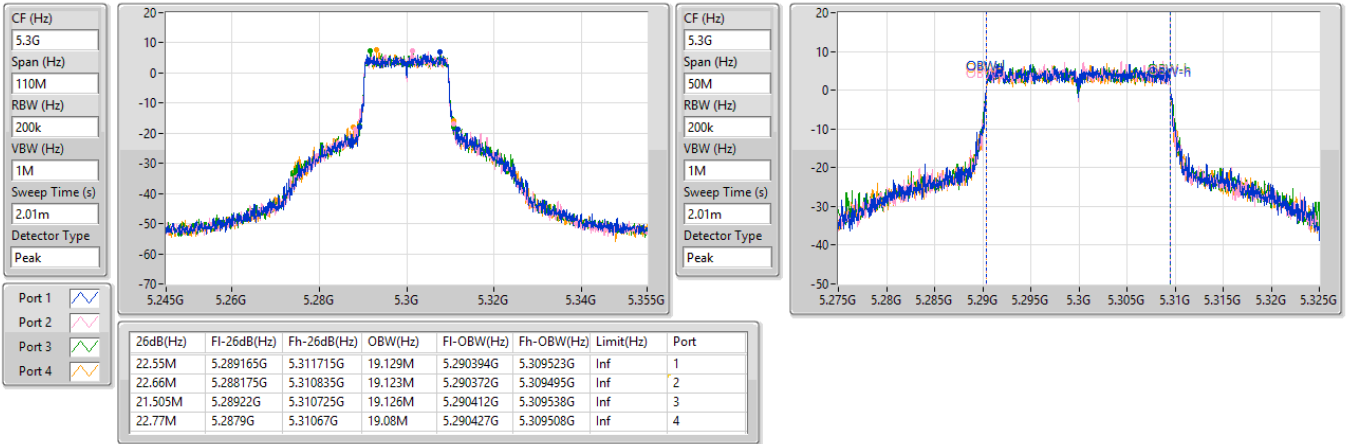


5.25-5.35GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5300MHz

23/04/2024

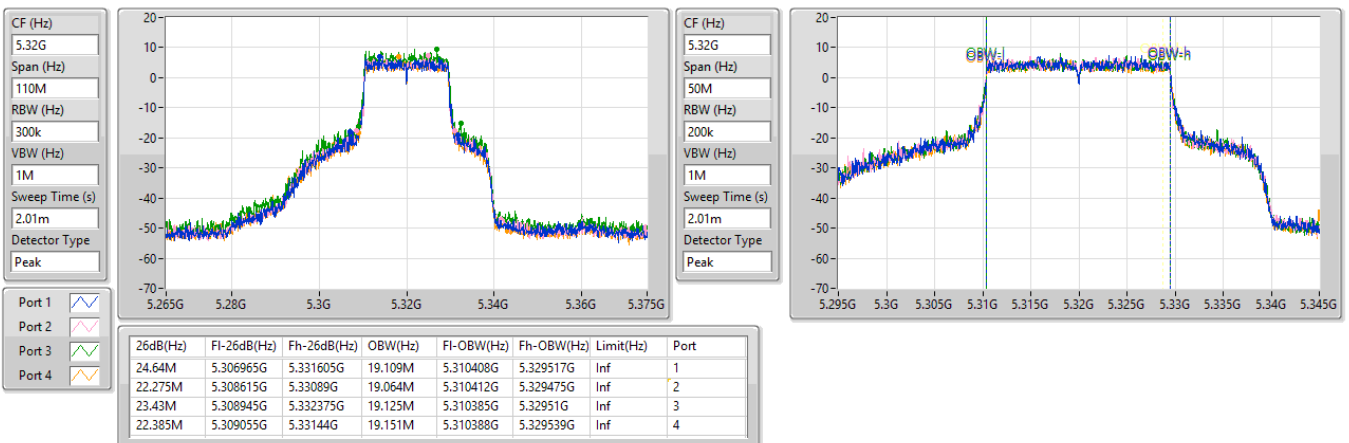


5.25-5.35GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5320MHz

23/04/2024

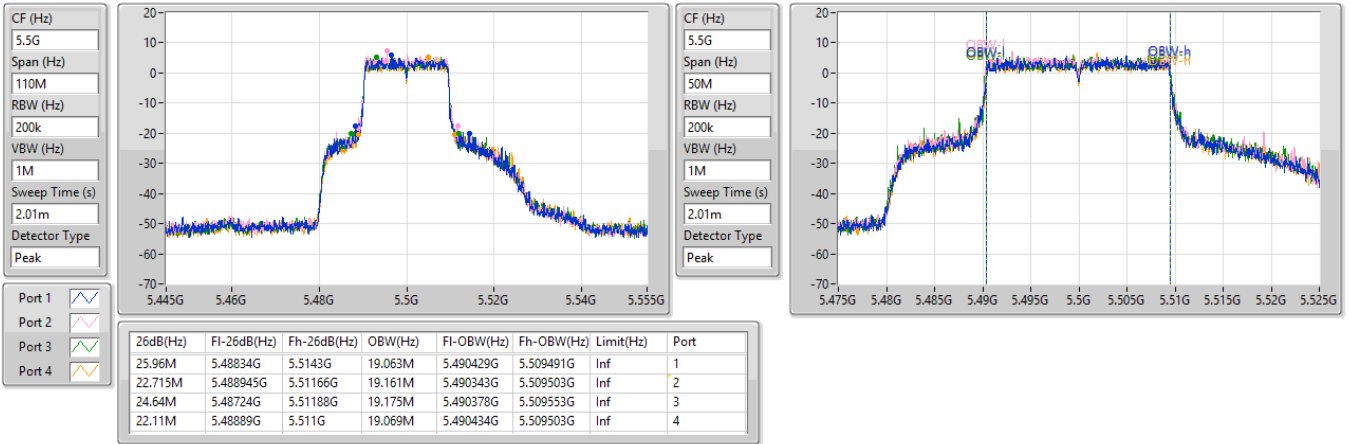


5.47-5.725GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5500MHz

23/04/2024

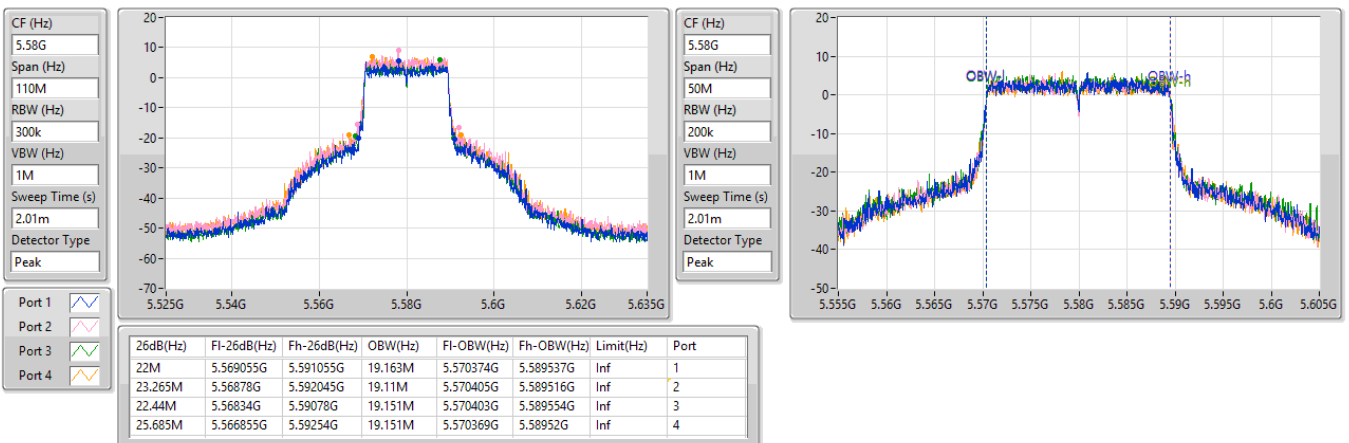


5.47-5.725GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5580MHz

23/04/2024



5.47-5.725GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5700MHz

23/04/2024

CF (Hz)  
5.7G

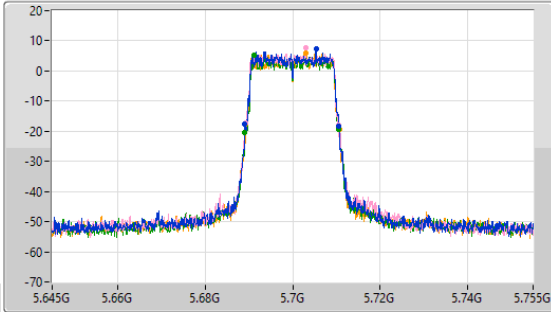
Span (Hz)  
110M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.7G

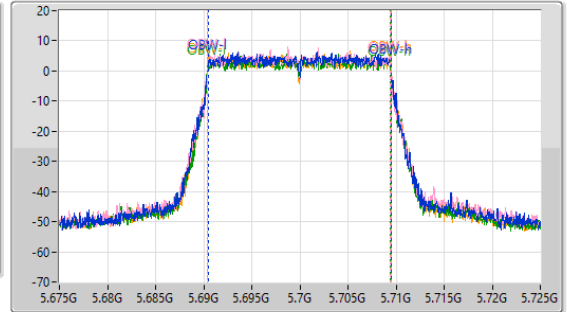
Span (Hz)  
50M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.68911G	5.71056G	19.015M	5.690444G	5.709459G	Inf	1
21.285M	5.689165G	5.71045G	19M	5.690434G	5.709434G	Inf	2
21.505M	5.68911G	5.710615G	19.018M	5.690429G	5.709447G	Inf	3
21.395M	5.68933G	5.710725G	19.076M	5.690422G	5.709499G	Inf	4

5.47-5.725GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

23/04/2024

CF (Hz)  
5.71G

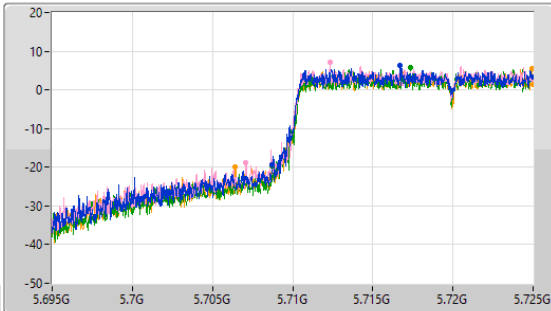
Span (Hz)  
30M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.71G

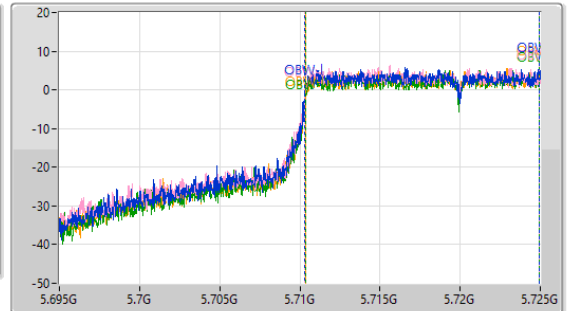
Span (Hz)  
30M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

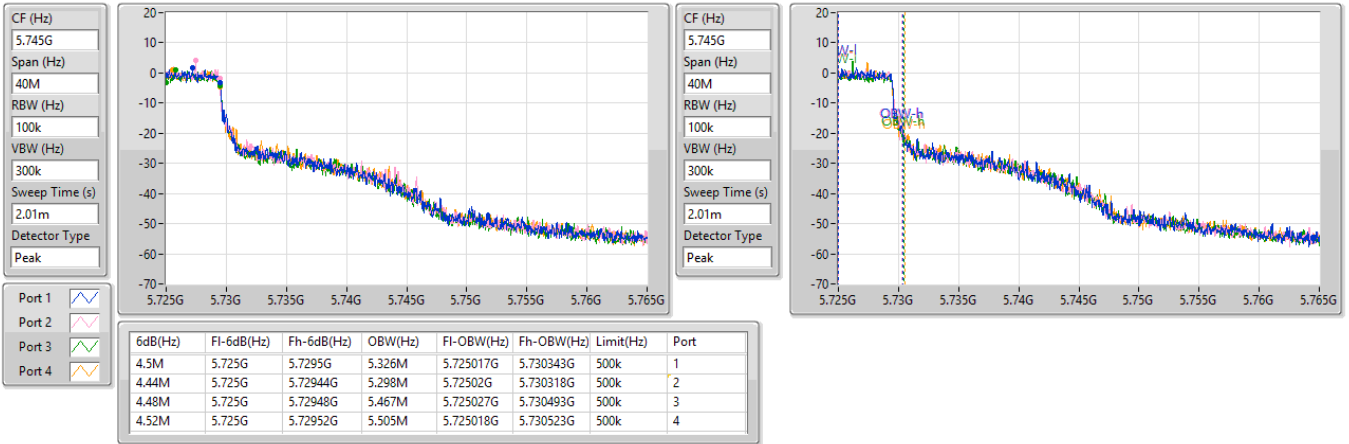
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.26M	5.70874G	5.725G	14.625M	5.71032G	5.724945G	Inf	1
17.91M	5.70709G	5.725G	14.628M	5.710299G	5.724928G	Inf	2
16.26M	5.70874G	5.725G	14.601M	5.710334G	5.724935G	Inf	3
18.57M	5.70643G	5.725G	14.599M	5.710338G	5.724937G	Inf	4

5.725-5.85GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

23/04/2024

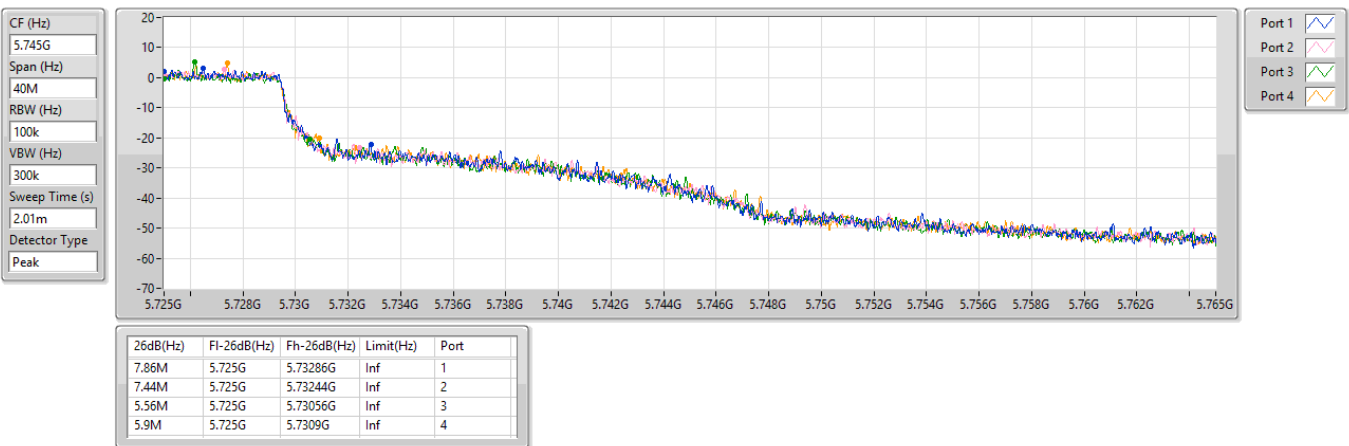


5.725-5.85GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

23/04/2024



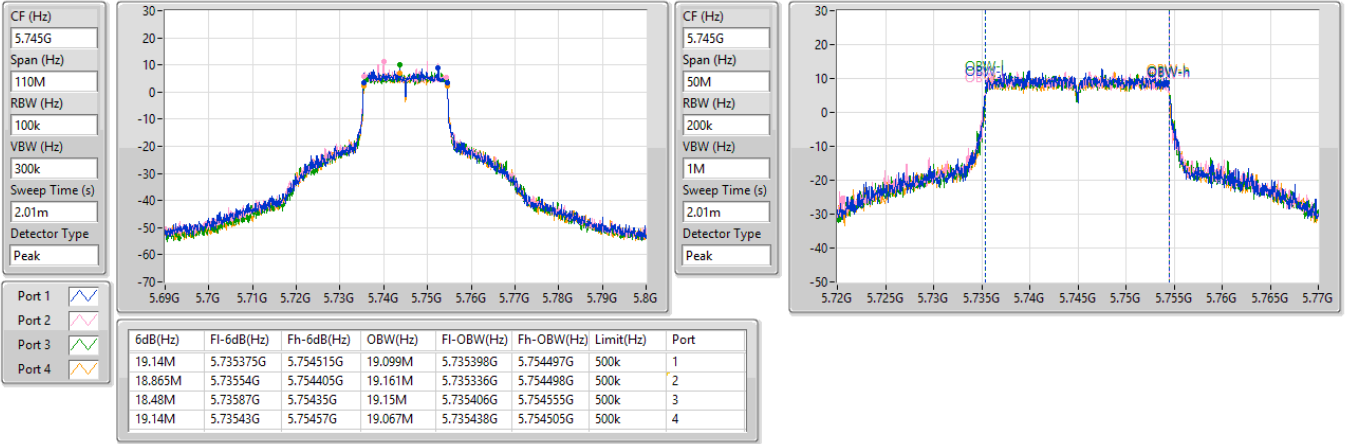


5.725-5.85GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5745MHz

23/04/2024

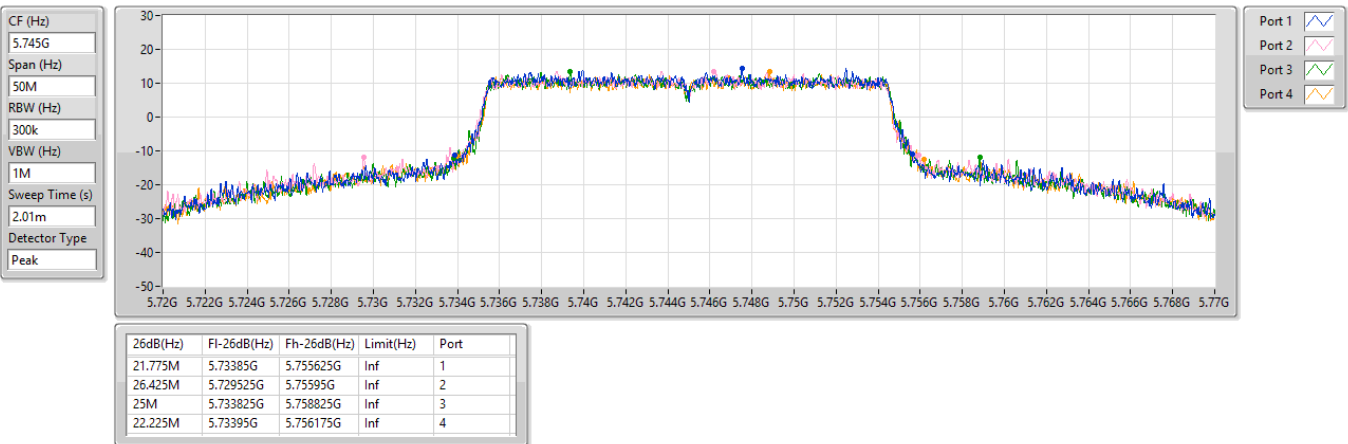


5.725-5.85GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5745MHz

23/04/2024

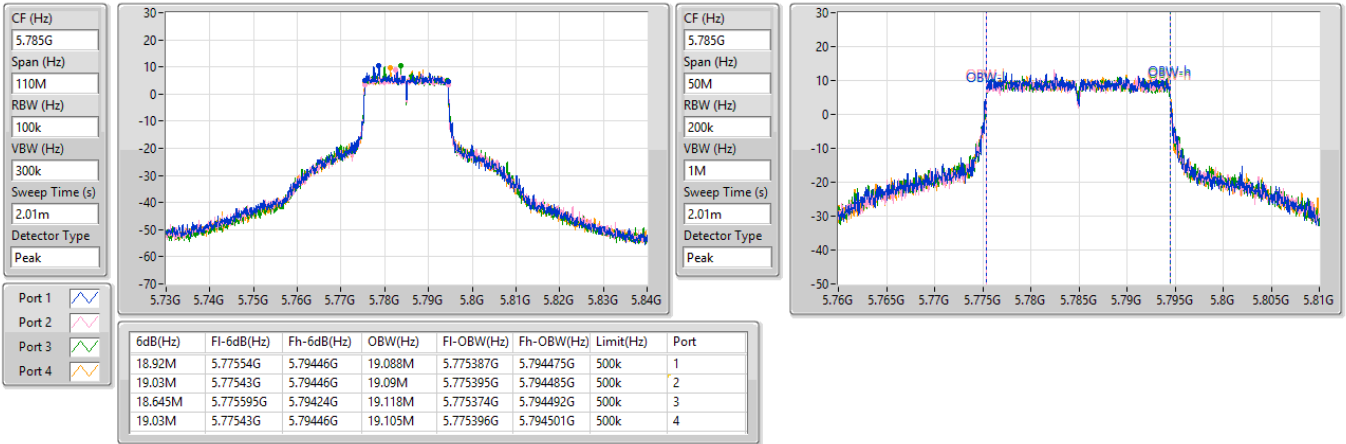


5.725-5.85GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5785MHz

23/04/2024

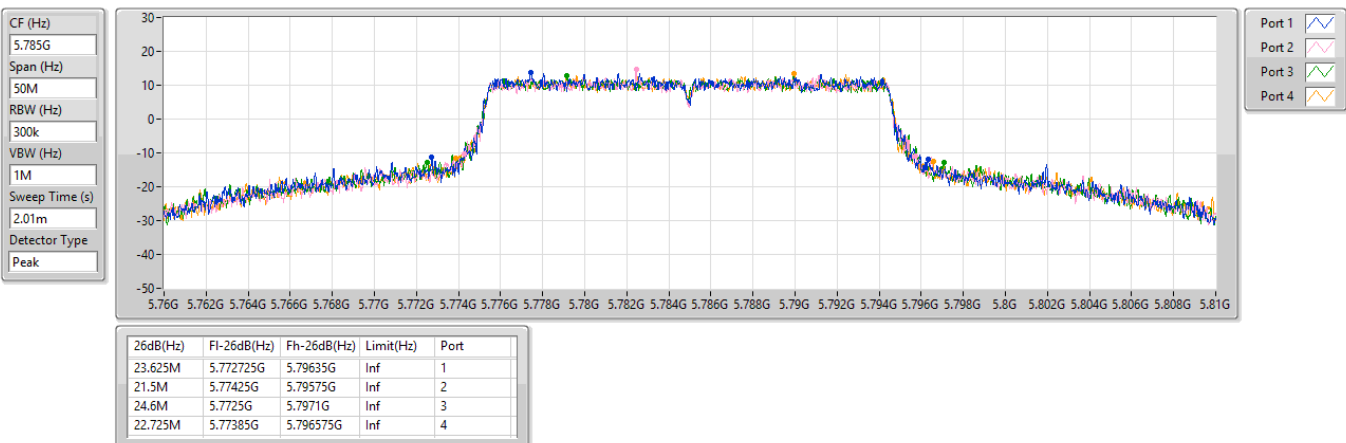


5.725-5.85GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5785MHz

23/04/2024

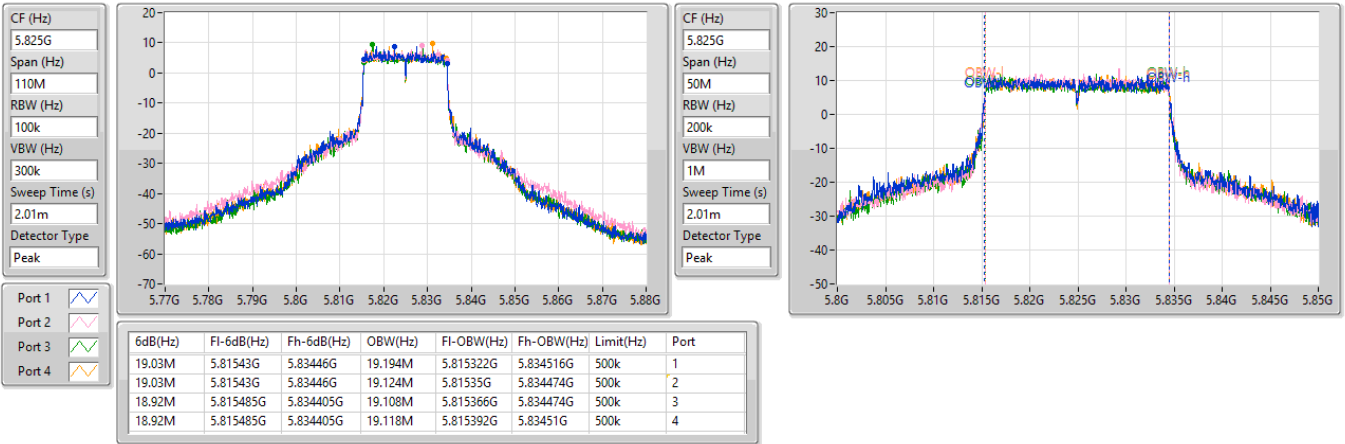


5.725-5.85GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5825MHz

23/04/2024

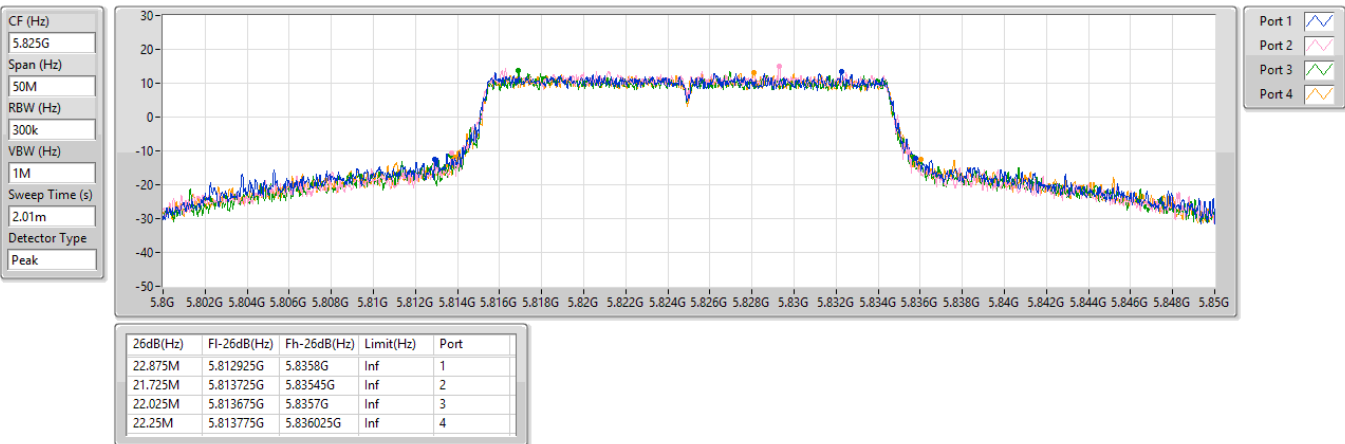


5.725-5.85GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5825MHz

23/04/2024

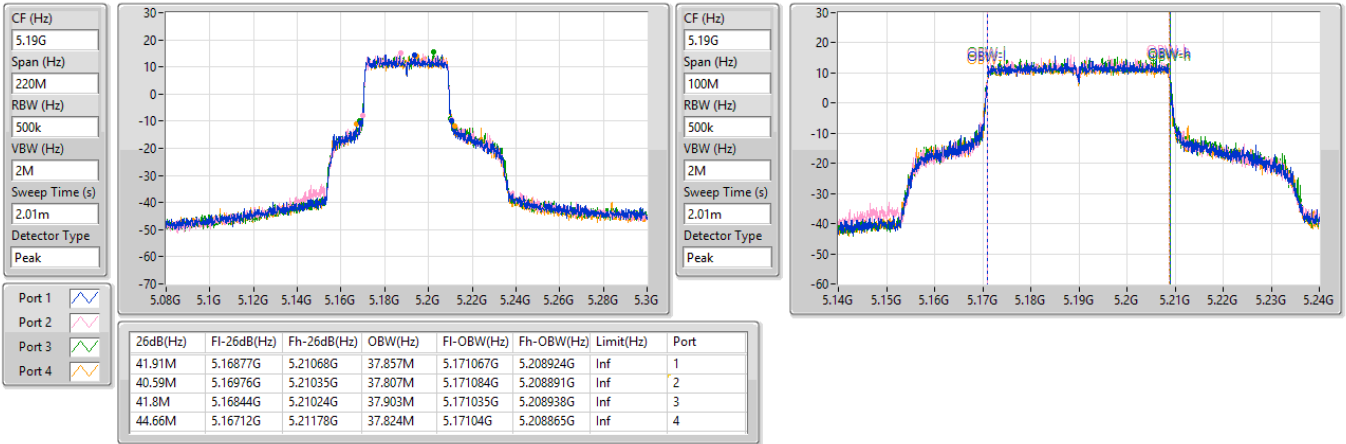


5.15-5.25GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5190MHz

23/04/2024

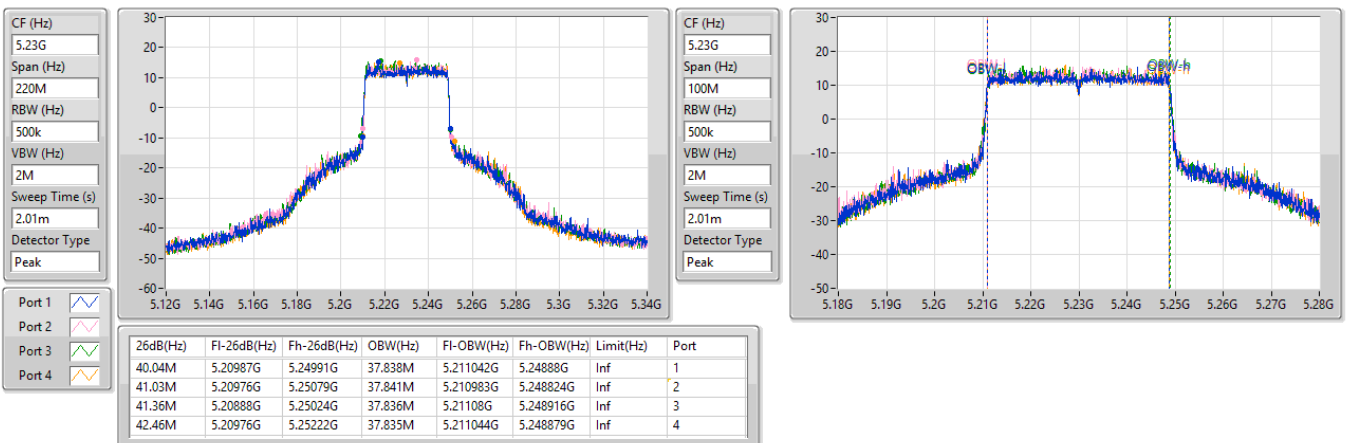


5.15-5.25GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5230MHz

23/04/2024



5.25-5.35GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5270MHz

23/04/2024

CF (Hz)  
5.27G

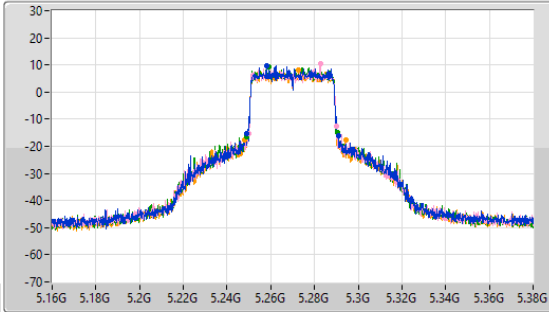
Span (Hz)  
220M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.27G

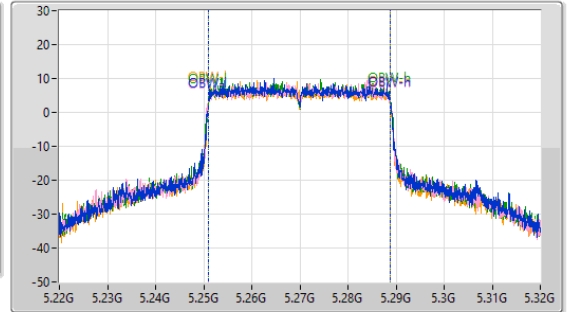
Span (Hz)  
100M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.02M	5.24888G	5.2909G	37.807M	5.251064G	5.288871G	Inf	1
40.26M	5.24976G	5.29002G	37.85M	5.250966G	5.288816G	Inf	2
41.58M	5.24888G	5.29046G	37.778M	5.251061G	5.288838G	Inf	3
46.42M	5.24811G	5.29453G	37.787M	5.251042G	5.288829G	Inf	4

5.25-5.35GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5310MHz

23/04/2024

CF (Hz)  
5.31G

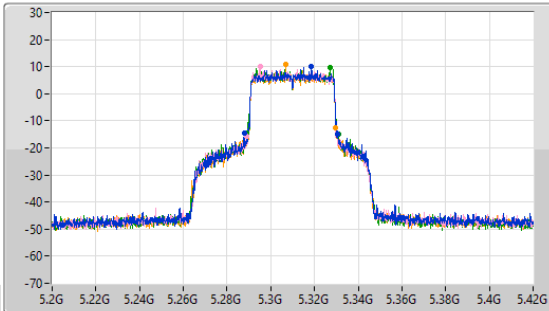
Span (Hz)  
220M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.31G

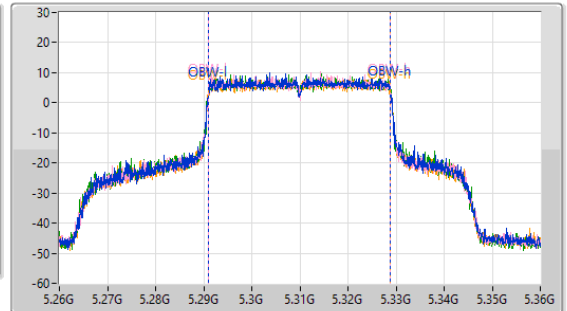
Span (Hz)  
100M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.9M	5.28789G	5.33079G	37.824M	5.29105G	5.328875G	Inf	1
41.58M	5.28899G	5.33057G	37.834M	5.291021G	5.328835G	Inf	2
42.13M	5.28888G	5.33101G	37.891M	5.291004G	5.328896G	Inf	3
40.7M	5.28899G	5.32969G	37.863M	5.291022G	5.328884G	Inf	4

5.47-5.725GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5510MHz

23/04/2024

CF (Hz)  
5.51G

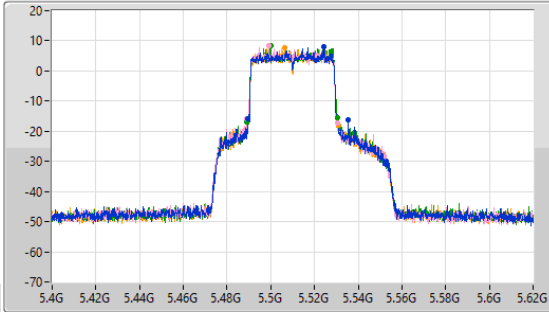
Span (Hz)  
220M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.51G

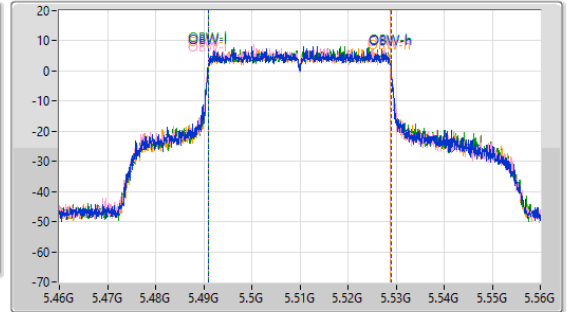
Span (Hz)  
100M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.87M	5.48965G	5.53552G	37.94M	5.490978G	5.528918G	Inf	1
41.69M	5.4891G	5.53079G	37.803M	5.491008G	5.528811G	Inf	2
41.47M	5.4891G	5.53057G	37.939M	5.490997G	5.528936G	Inf	3
42.02M	5.48888G	5.5309G	37.853M	5.491026G	5.528879G	Inf	4

5.47-5.725GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5550MHz

23/04/2024

CF (Hz)  
5.55G

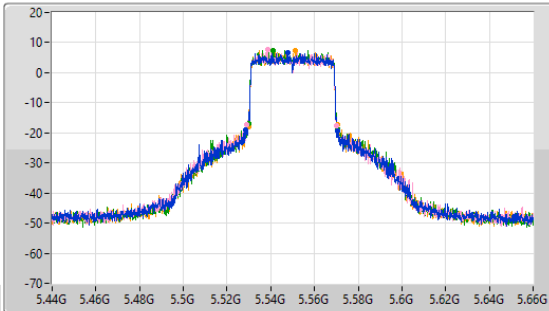
Span (Hz)  
220M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.55G

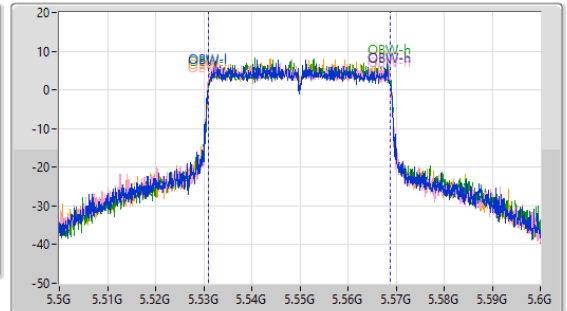
Span (Hz)  
100M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

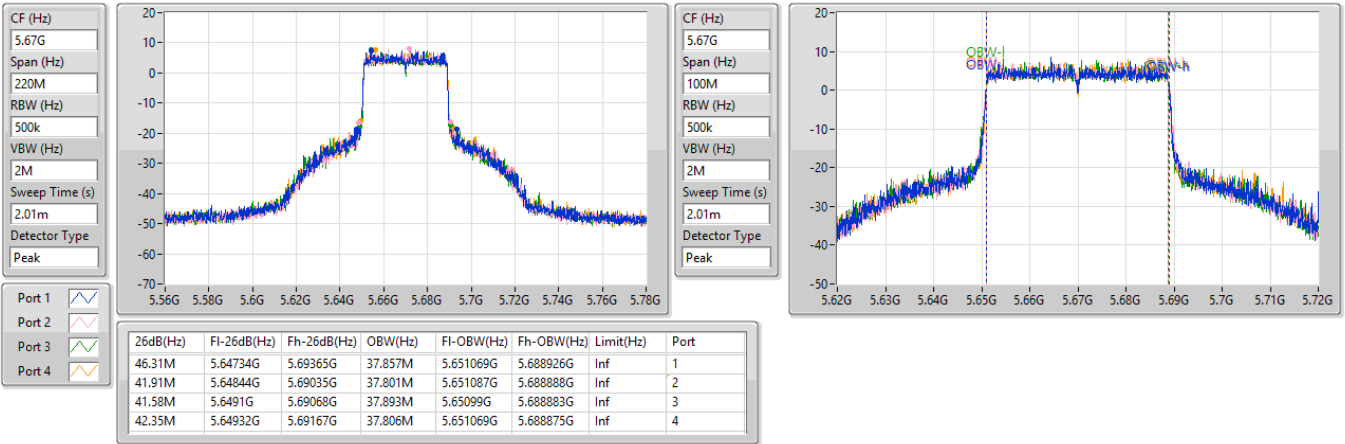
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.69M	5.52866G	5.57035G	37.843M	5.531024G	5.568866G	Inf	1
41.36M	5.52877G	5.57013G	37.883M	5.530952G	5.568836G	Inf	2
40.7M	5.52976G	5.57046G	37.865M	5.531023G	5.568888G	Inf	3
40.92M	5.52976G	5.57068G	37.811M	5.531054G	5.568865G	Inf	4

5.47-5.725GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5670MHz

23/04/2024

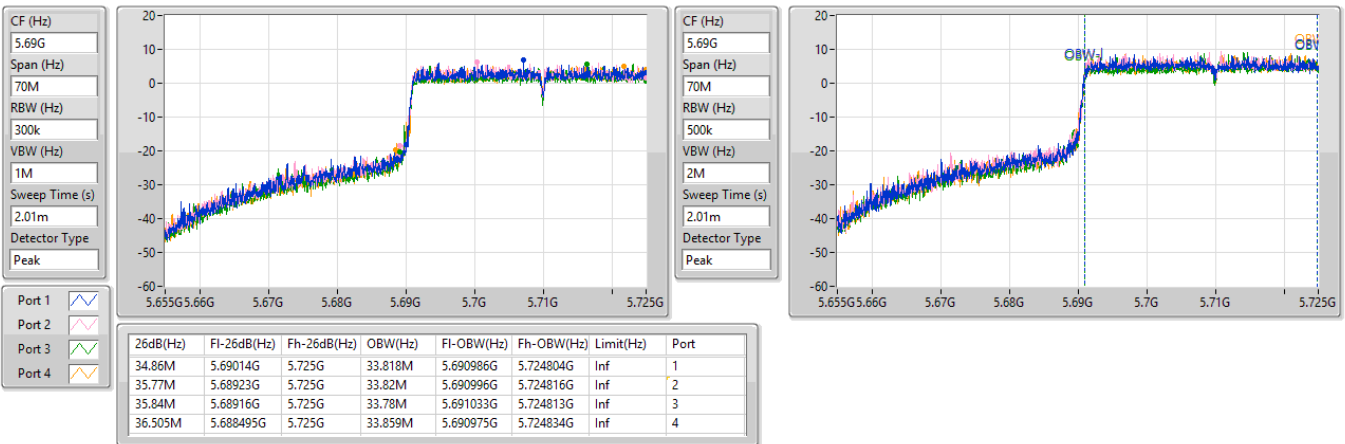


5.47-5.725GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

23/04/2024

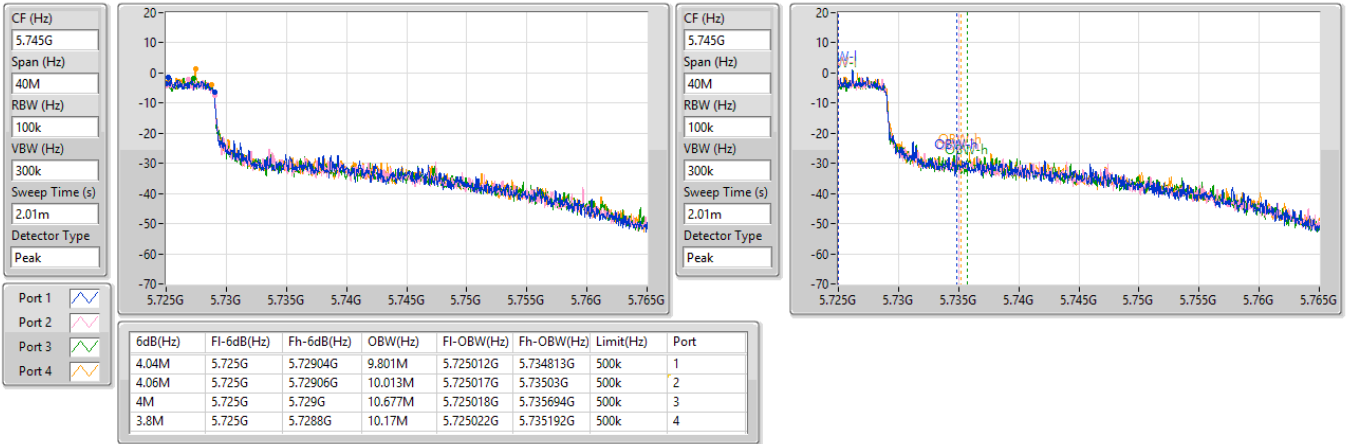


5.725-5.85GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

23/04/2024

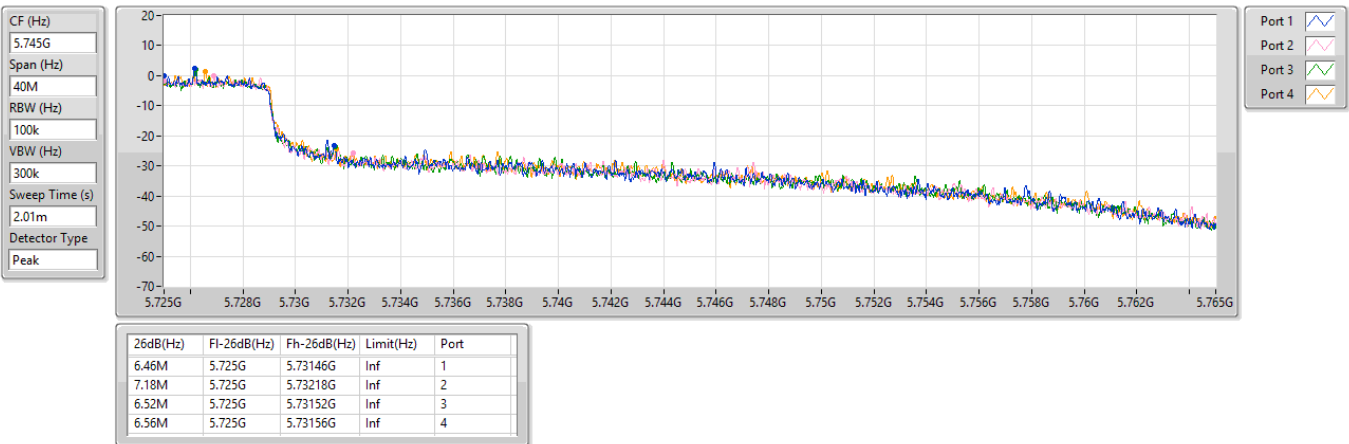


5.725-5.85GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

23/04/2024



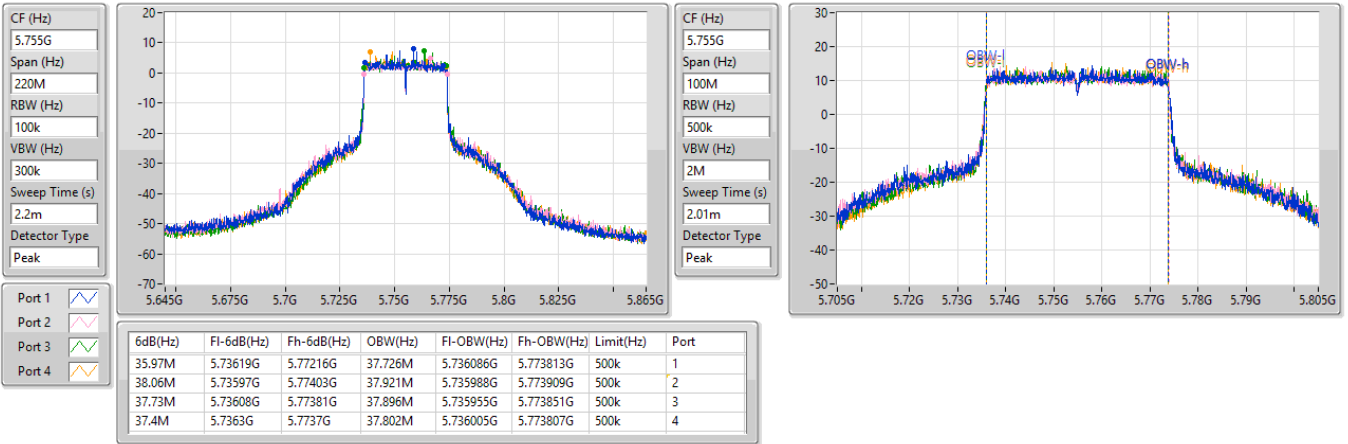


5.725-5.85GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5755MHz

23/04/2024

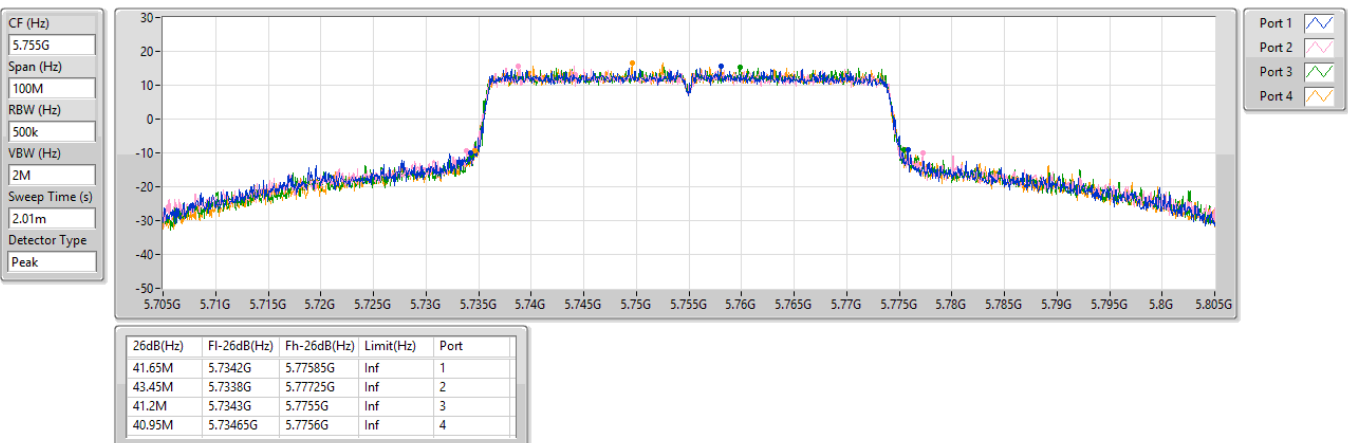


5.725-5.85GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5755MHz

23/04/2024

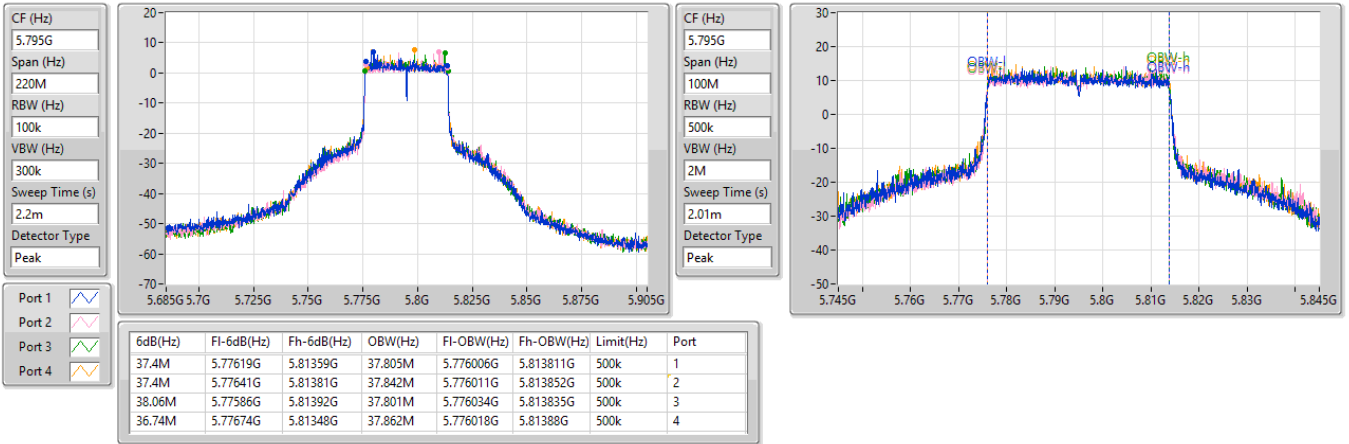


5.725-5.85GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5795MHz

23/04/2024

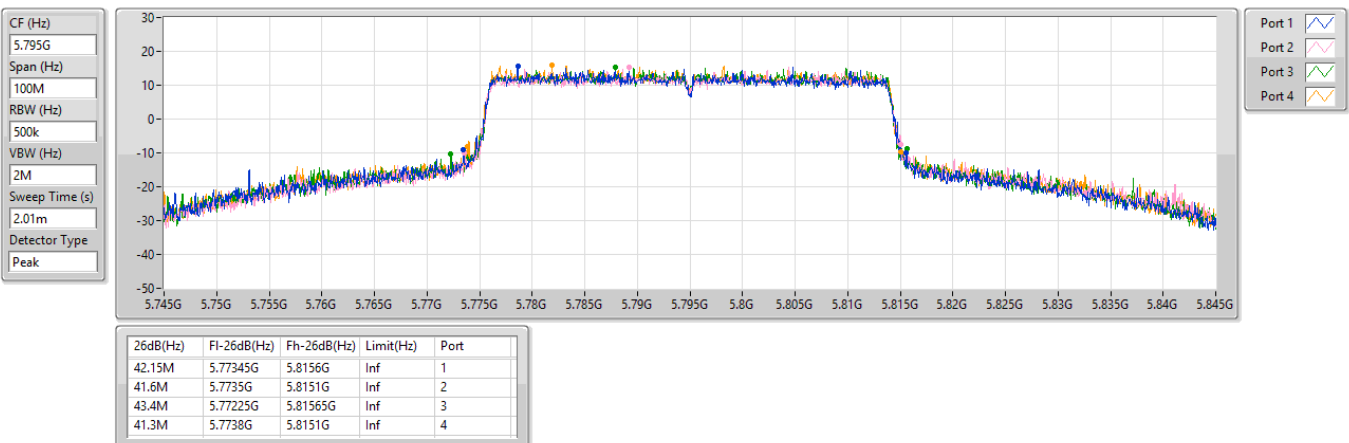


5.725-5.85GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5795MHz

23/04/2024

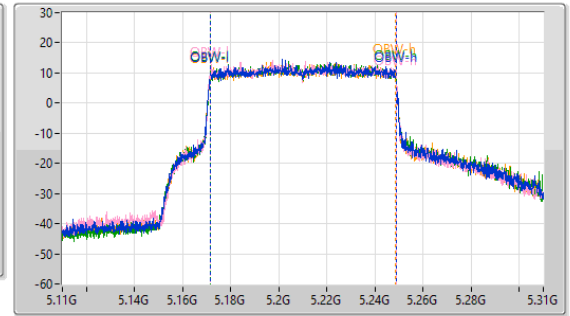
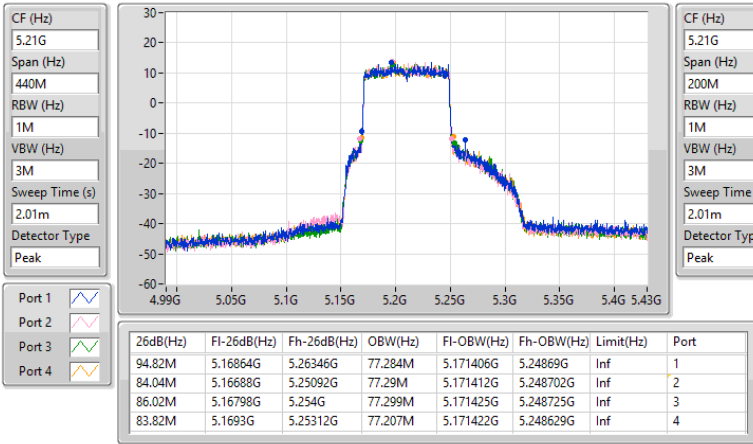


5.15-5.25GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5210MHz

23/04/2024

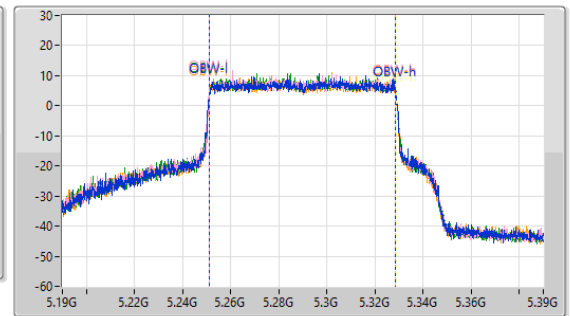
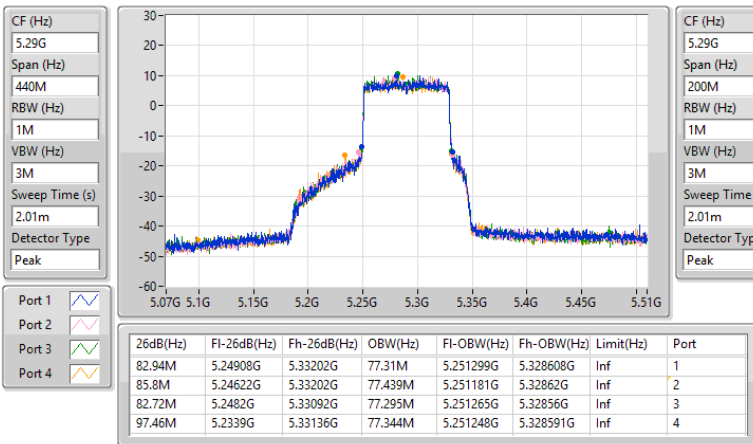


5.25-5.35GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5290MHz

23/04/2024

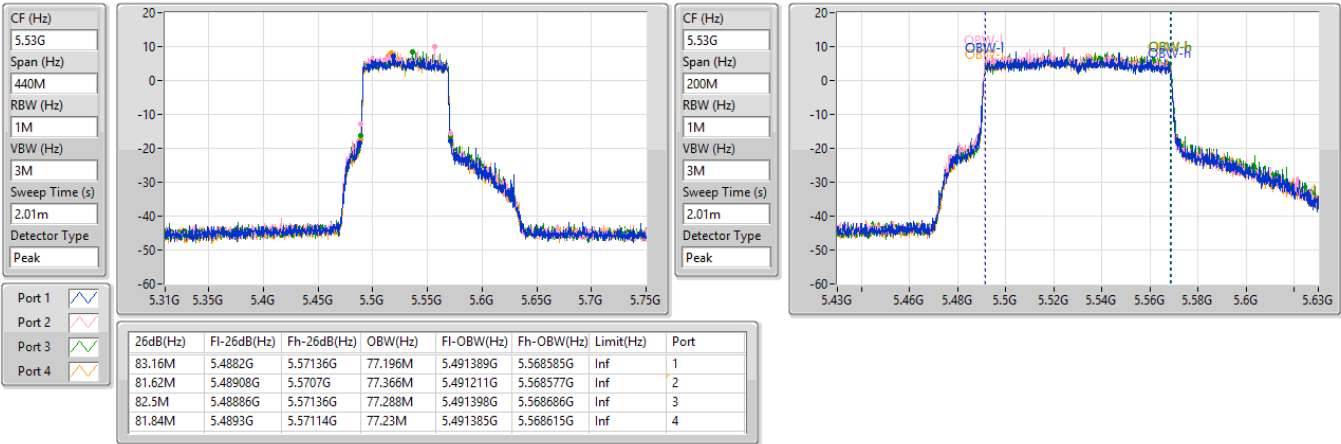


5.47-5.725GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5530MHz

23/04/2024

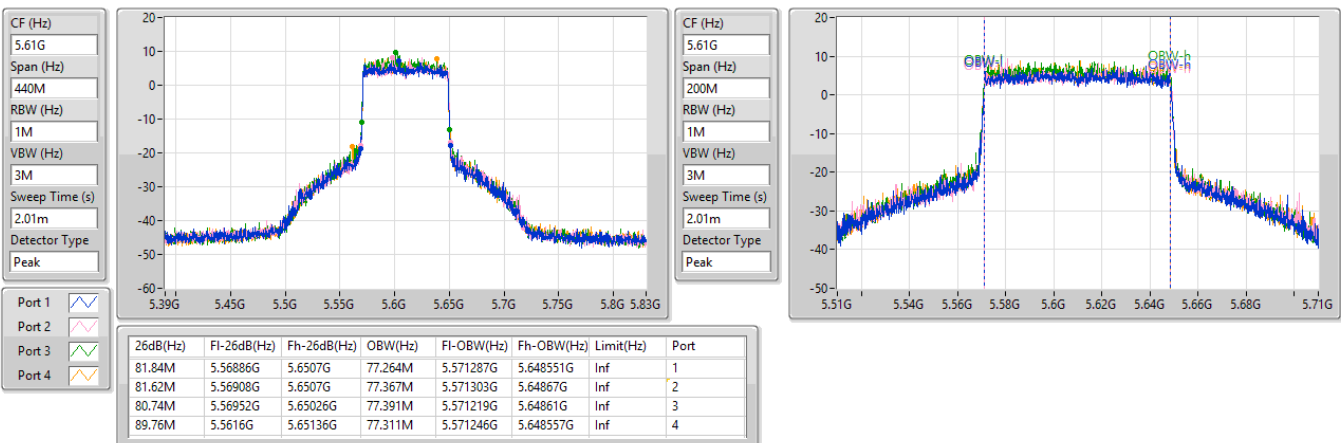


5.47-5.725GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5610MHz

23/04/2024

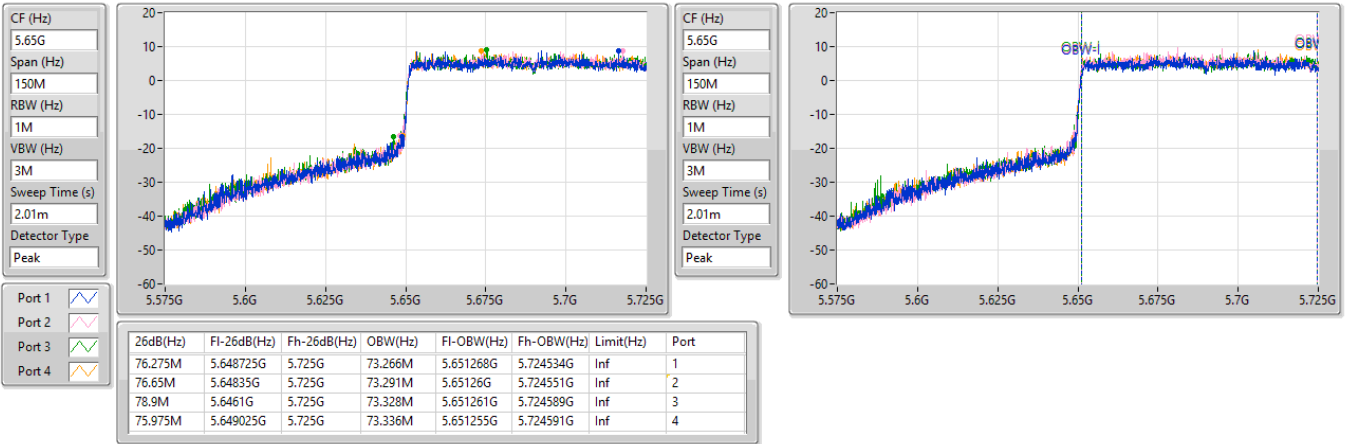


5.47-5.725GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

23/04/2024

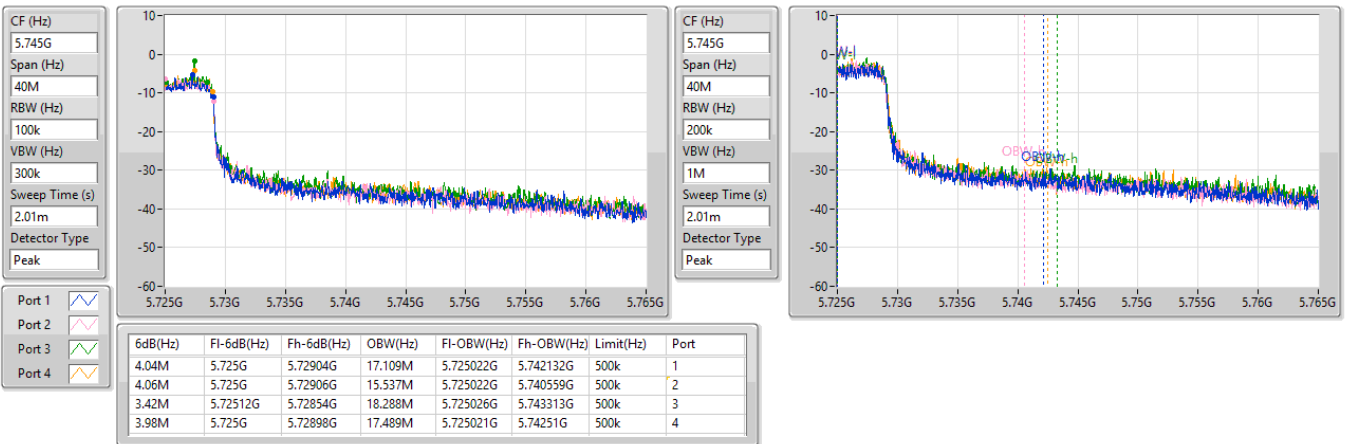


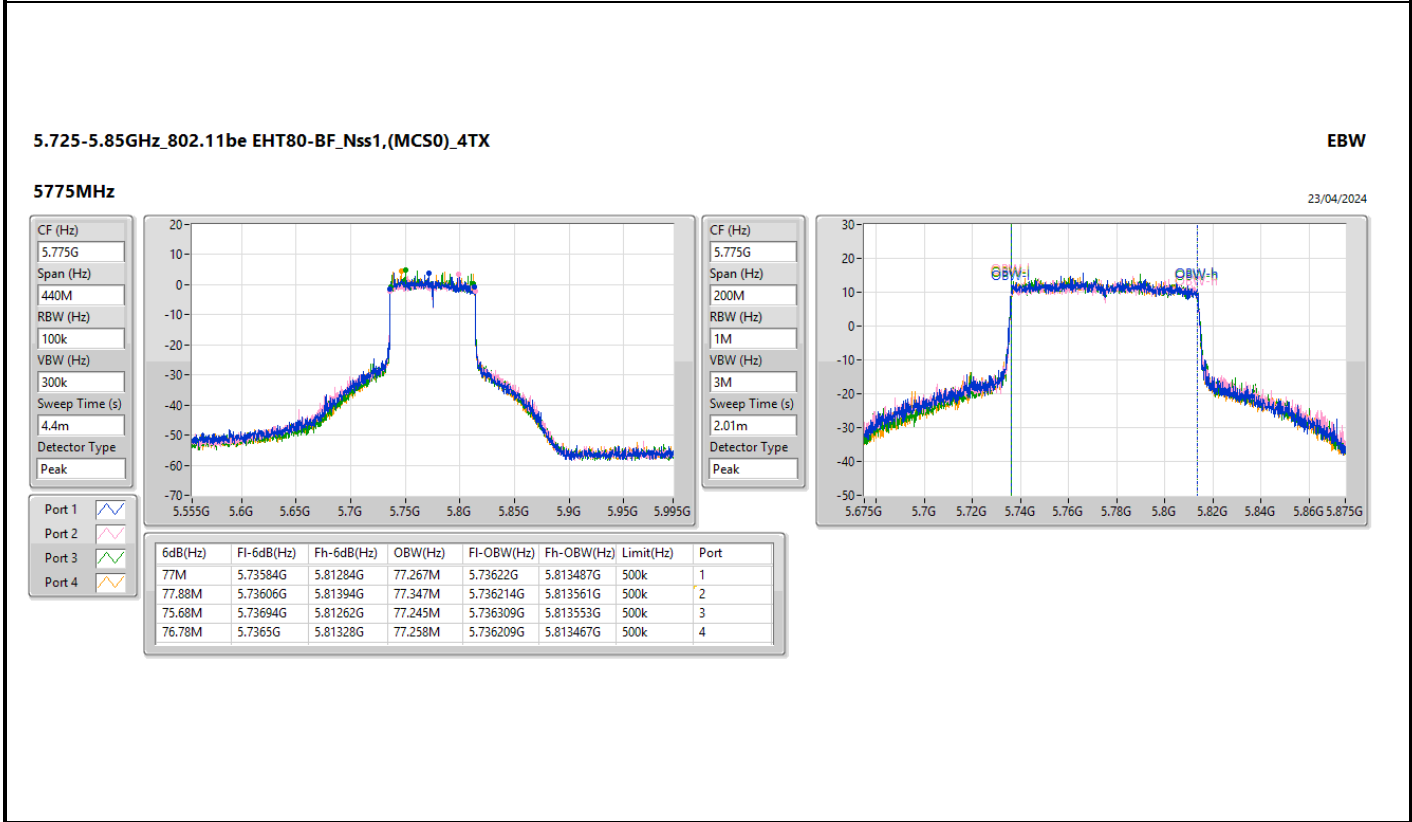
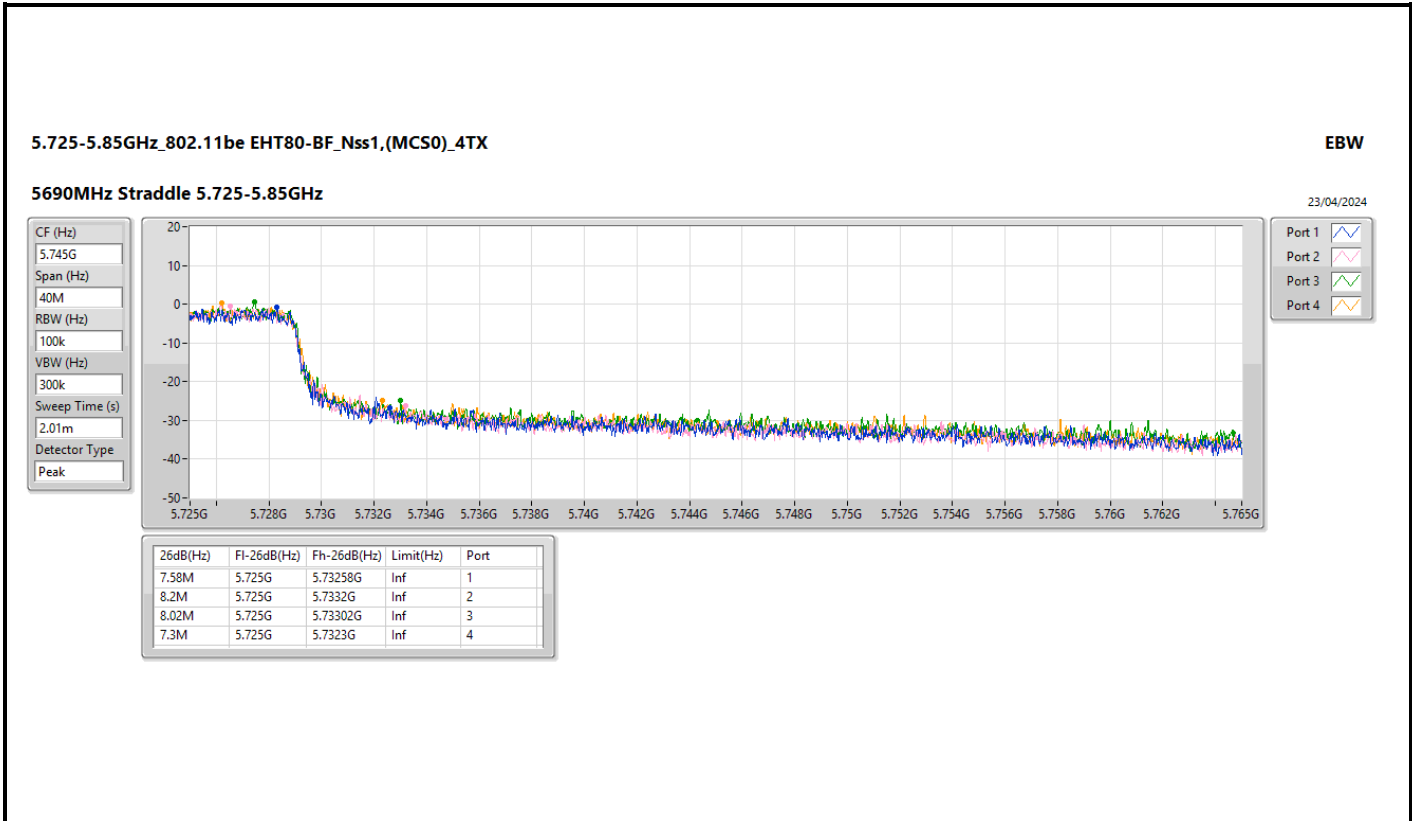
5.725-5.85GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

23/04/2024





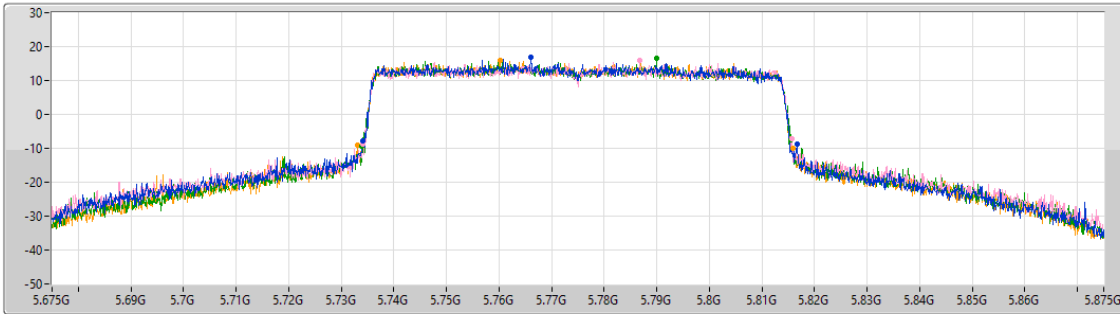
5.725-5.85GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5775MHz

23/04/2024

CF (Hz)  
5.775G  
Span (Hz)  
200M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
2.01m  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
82.7M	5.7341G	5.8168G	Inf	1
81.8M	5.734G	5.8158G	Inf	2
81.7M	5.7339G	5.8156G	Inf	3
82.8M	5.7331G	5.8159G	Inf	4

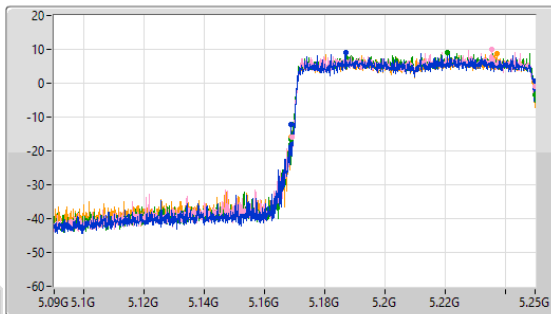
5.15-5.25GHz\_802.11be EHT160-BF\_Nss1,(MCS0)\_4TX

EBW

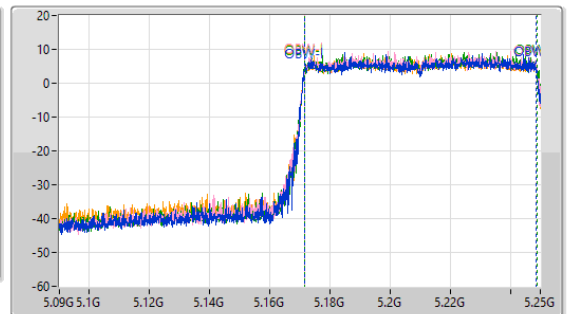
5250MHz Straddle 5.15-5.25GHz

23/04/2024

CF (Hz)  
5.17G  
Span (Hz)  
160M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
2.01m  
Detector Type  
Peak



CF (Hz)  
5.17G  
Span (Hz)  
160M  
RBW (Hz)  
1M  
VBW (Hz)  
3M  
Sweep Time (s)  
2.01m  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

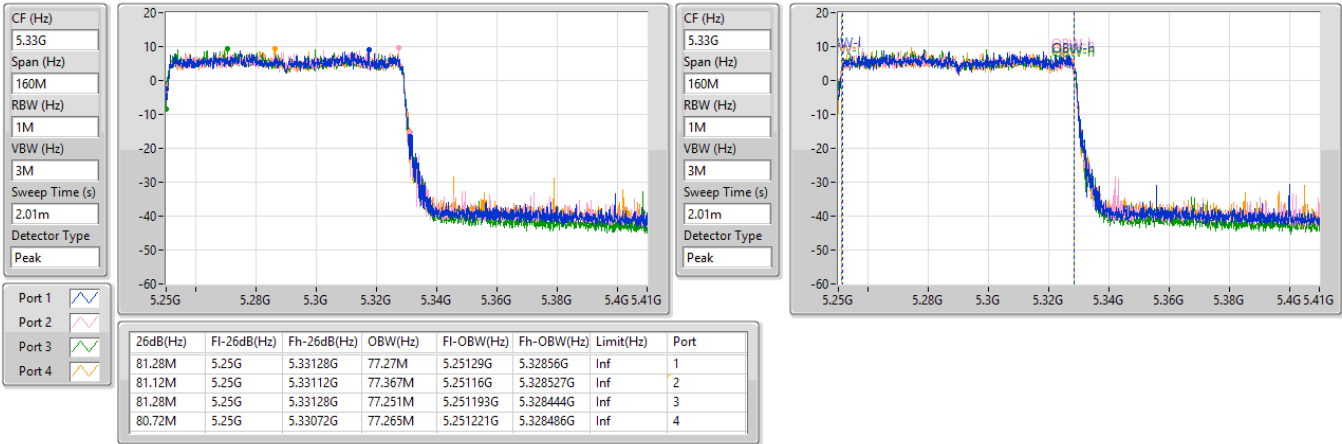
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.16864G	5.25G	77.182M	5.171481G	5.248663G	Inf	1
80.88M	5.16912G	5.25G	77.184M	5.171526G	5.24871G	Inf	2
81.28M	5.16872G	5.25G	77.403M	5.171496G	5.248899G	Inf	3
81.12M	5.16888G	5.25G	77.224M	5.171466G	5.24869G	Inf	4

5.25-5.35GHz\_802.11be EHT160-BF\_Nss1,(MCS0)\_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

23/04/2024

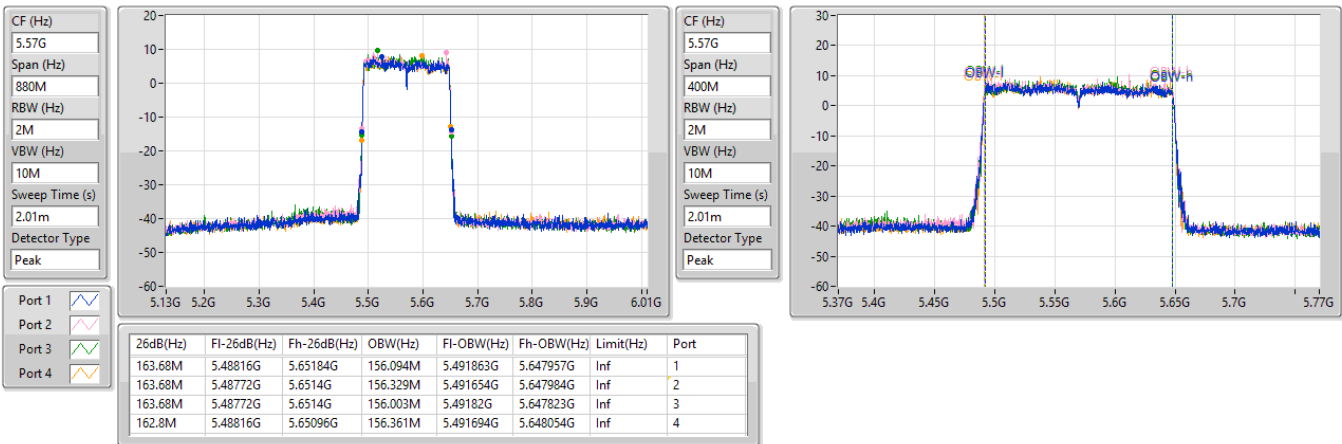


5.47-5.725GHz\_802.11be EHT160-BF\_Nss1,(MCS0)\_4TX

EBW

5570MHz

23/04/2024



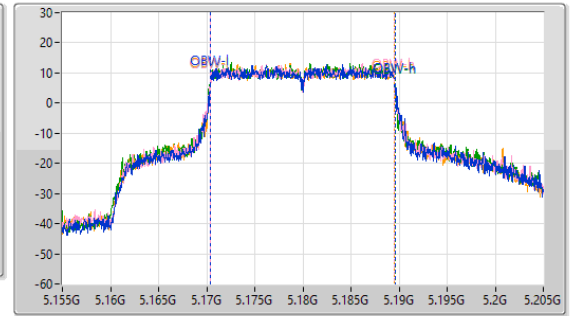
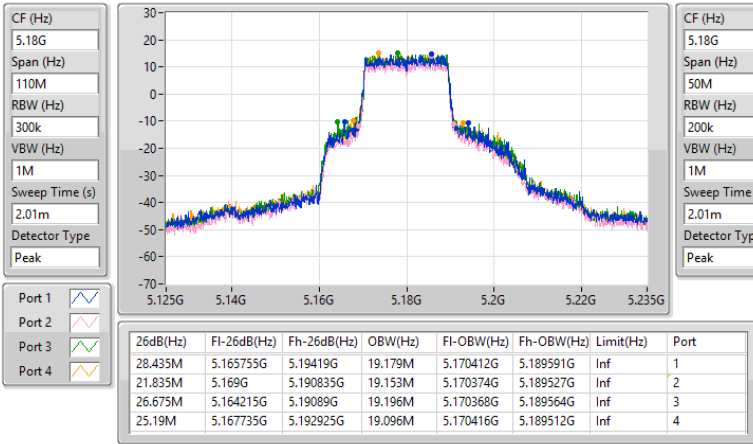


5.15-5.25GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5180MHz

23/04/2024

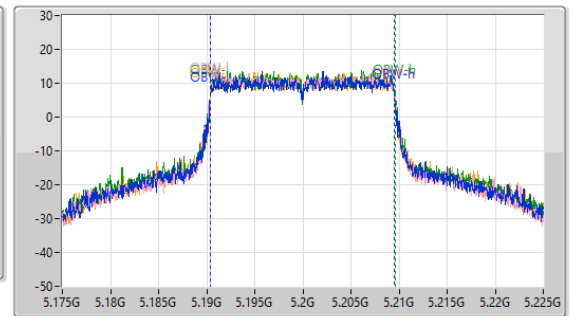
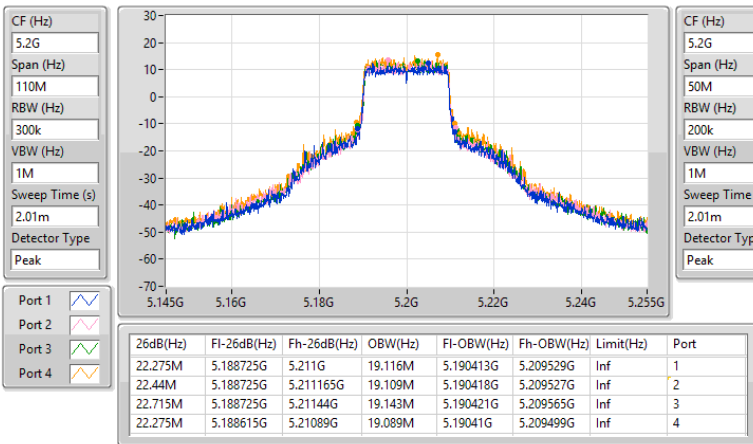


5.15-5.25GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5200MHz

23/04/2024

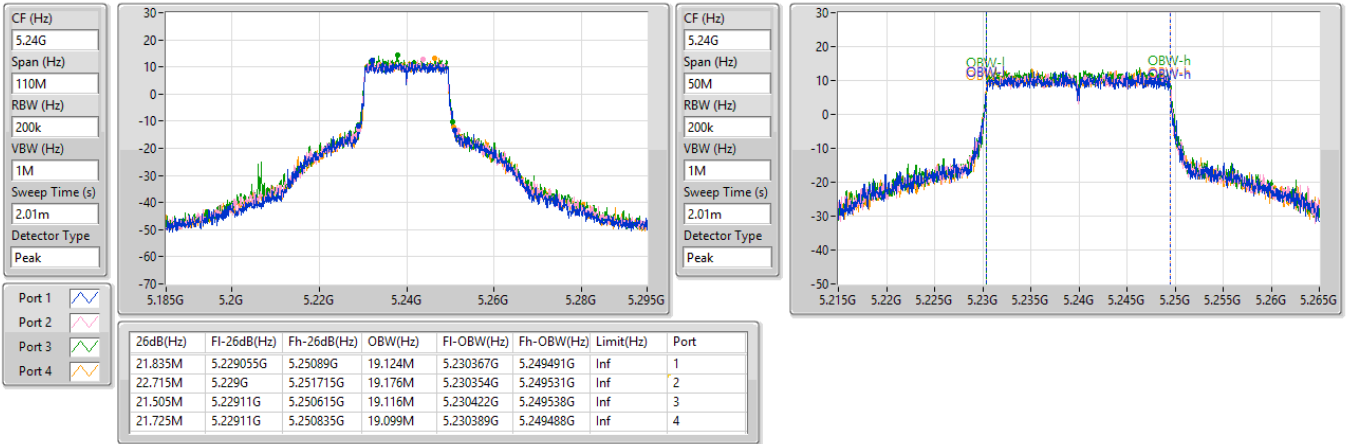


5.15-5.25GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5240MHz

23/04/2024

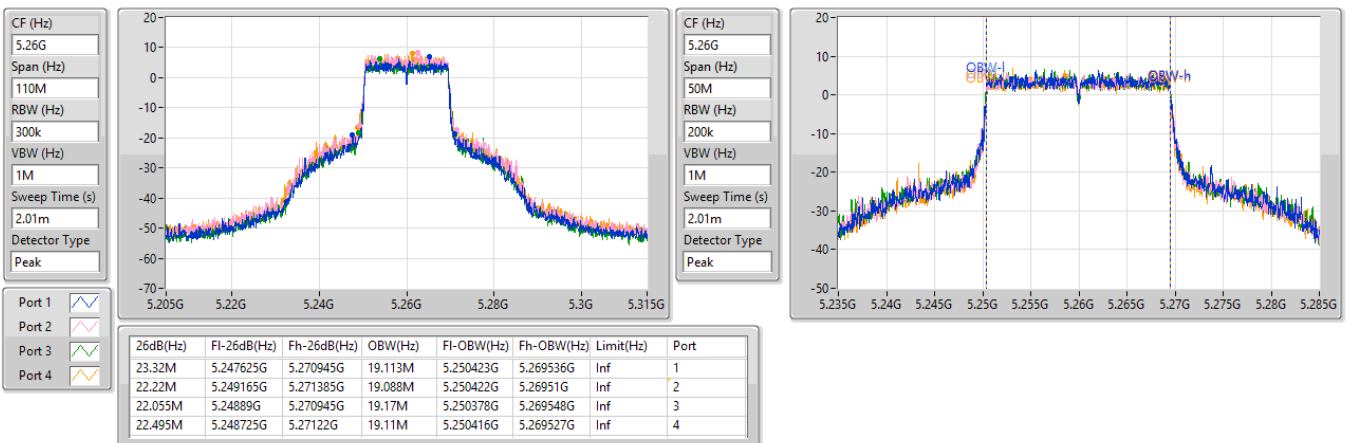


5.25-5.35GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5260MHz

23/04/2024

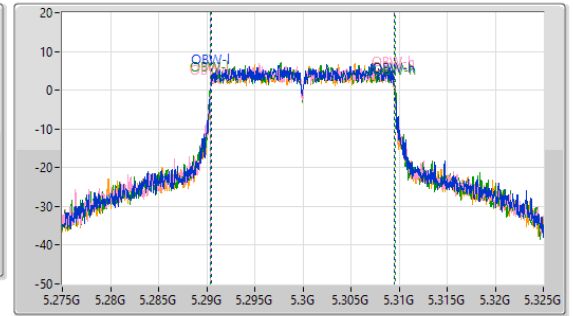
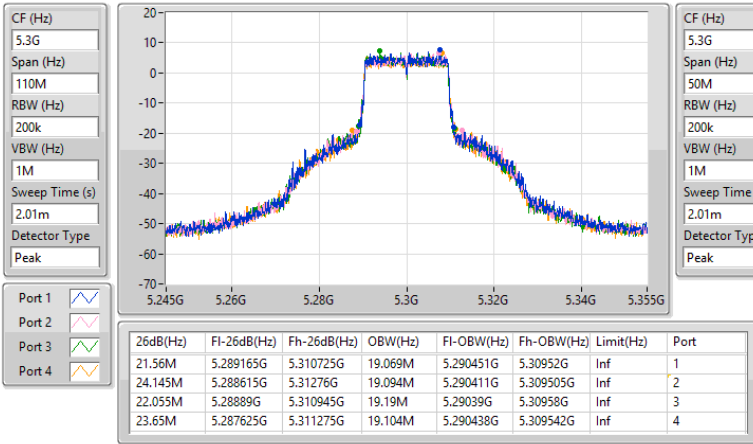


5.25-5.35GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5300MHz

23/04/2024

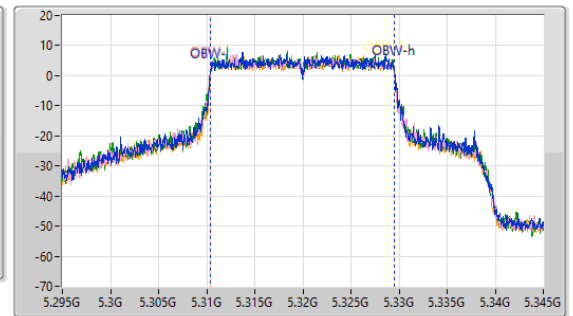
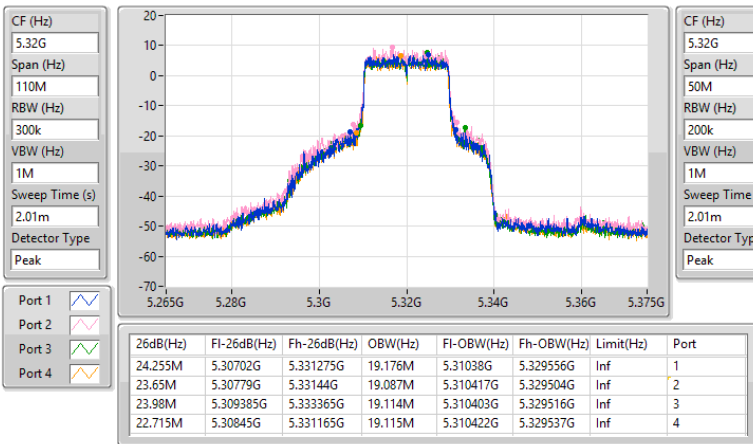


5.25-5.35GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5320MHz

23/04/2024

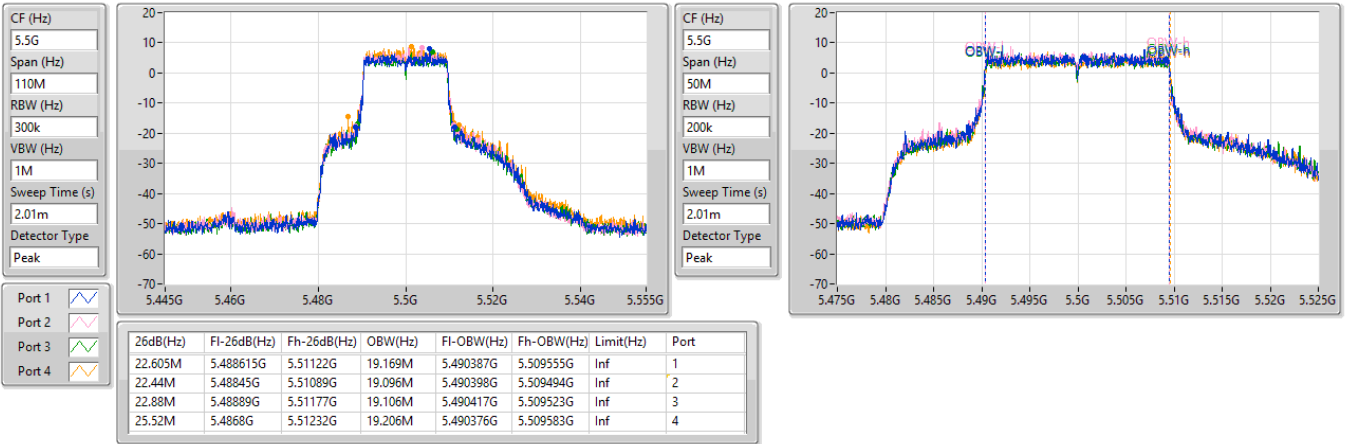


5.47-5.725GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5500MHz

23/04/2024

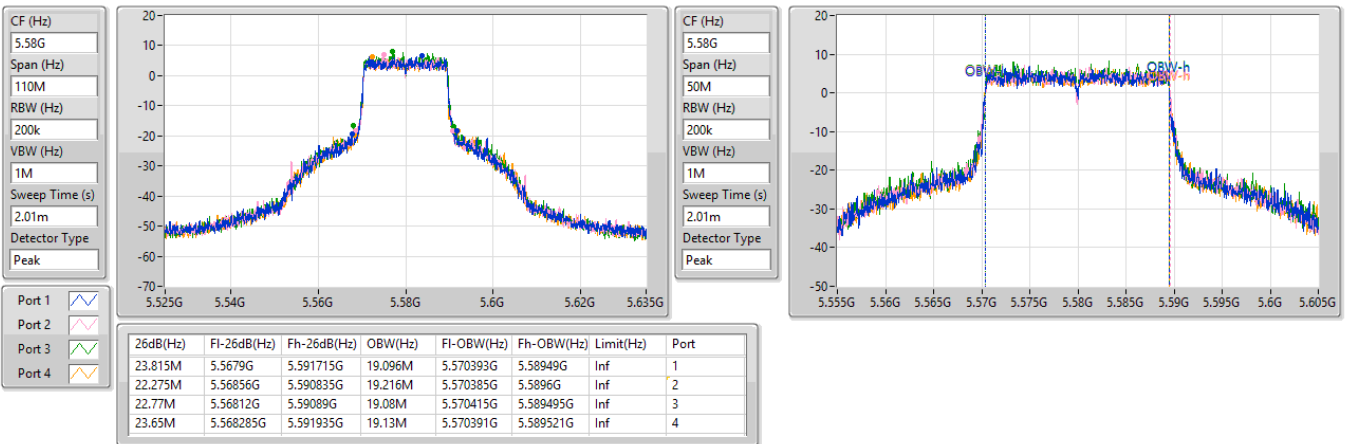


5.47-5.725GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5580MHz

23/04/2024

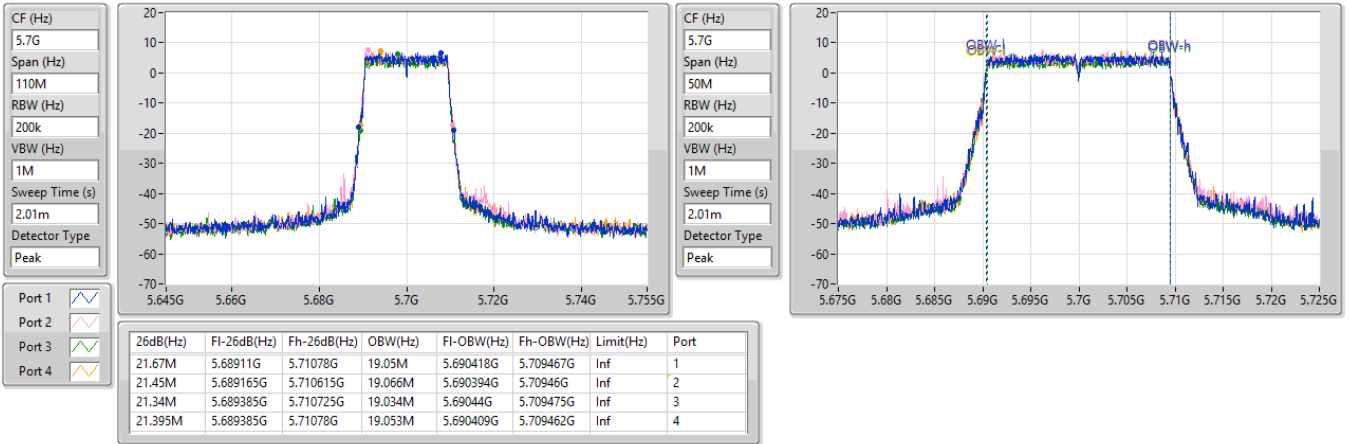


5.47-5.725GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5700MHz

23/04/2024

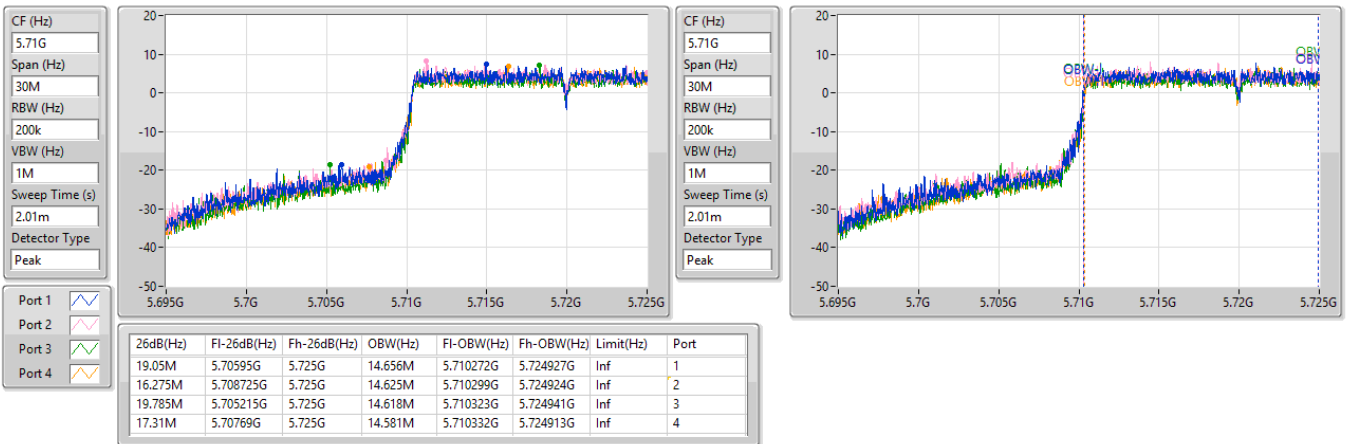


5.47-5.725GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

23/04/2024

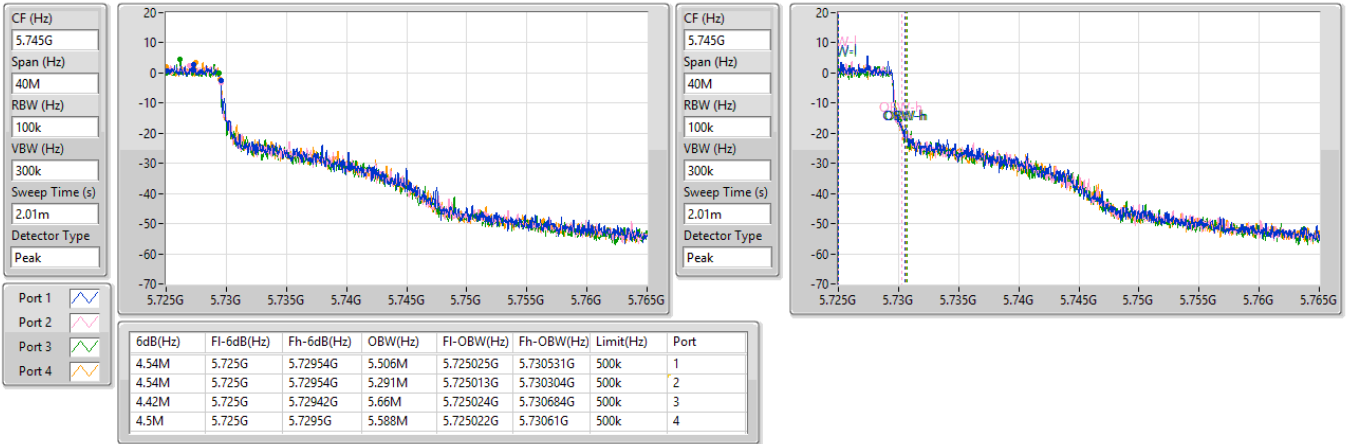


5.725-5.85GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

23/04/2024

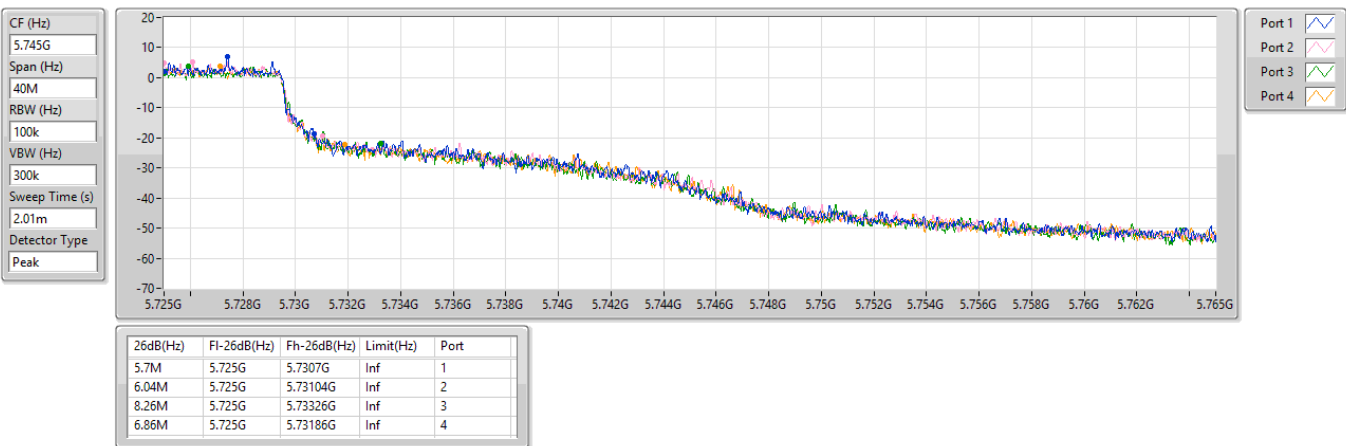


5.725-5.85GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

23/04/2024

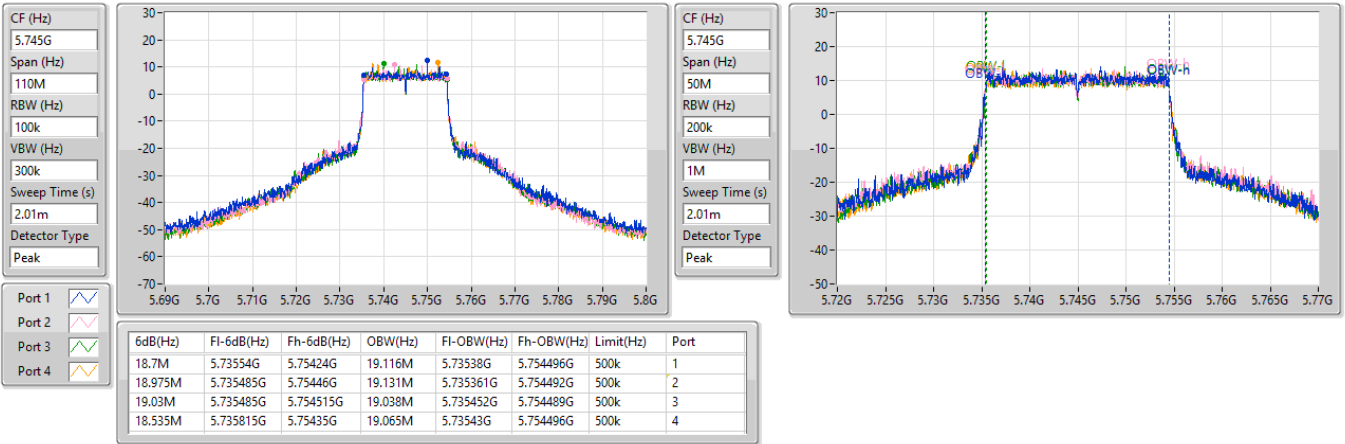


5.725-5.85GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5745MHz

23/04/2024

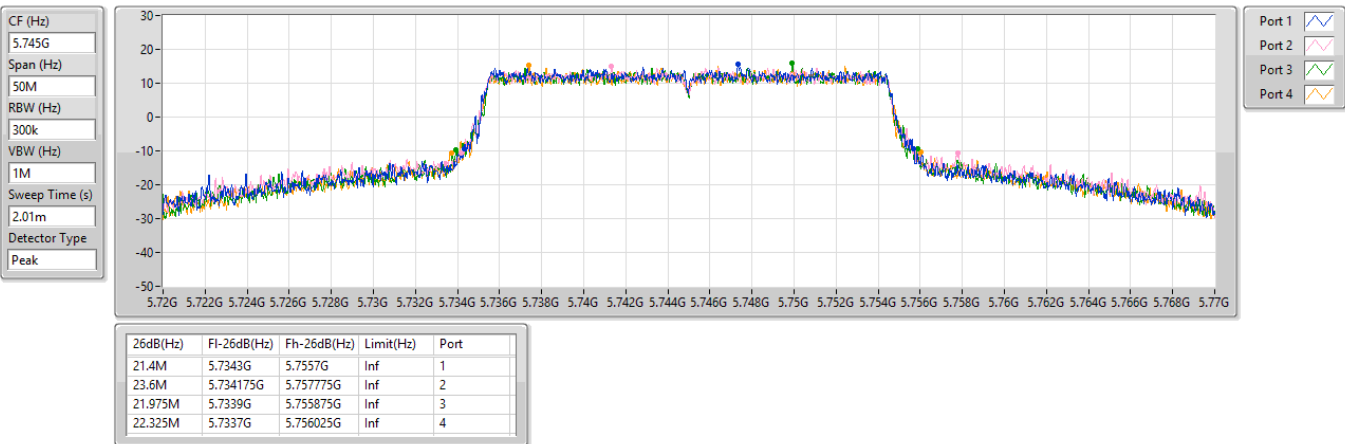


5.725-5.85GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5745MHz

23/04/2024

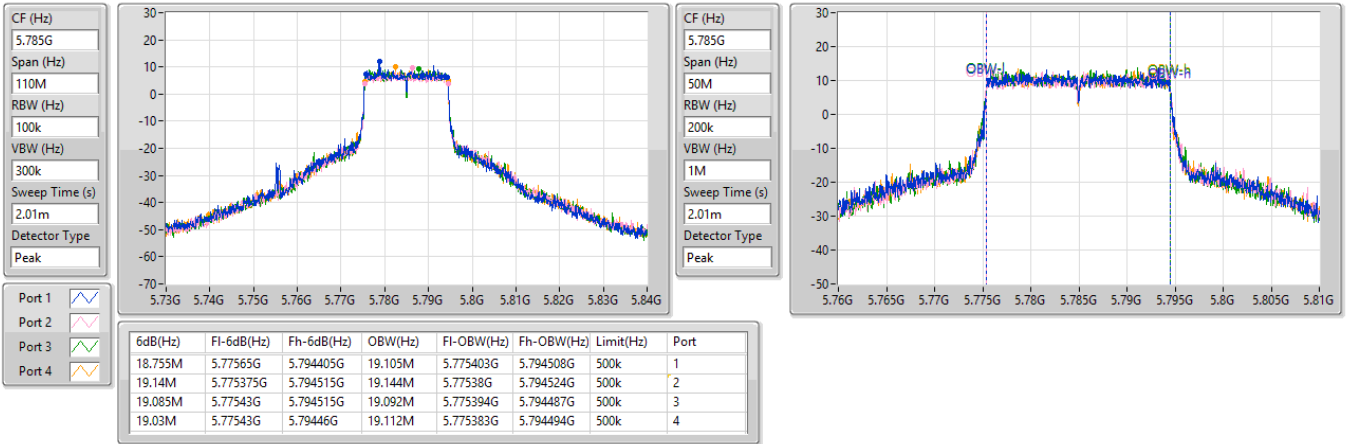


5.725-5.85GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5785MHz

24/04/2024

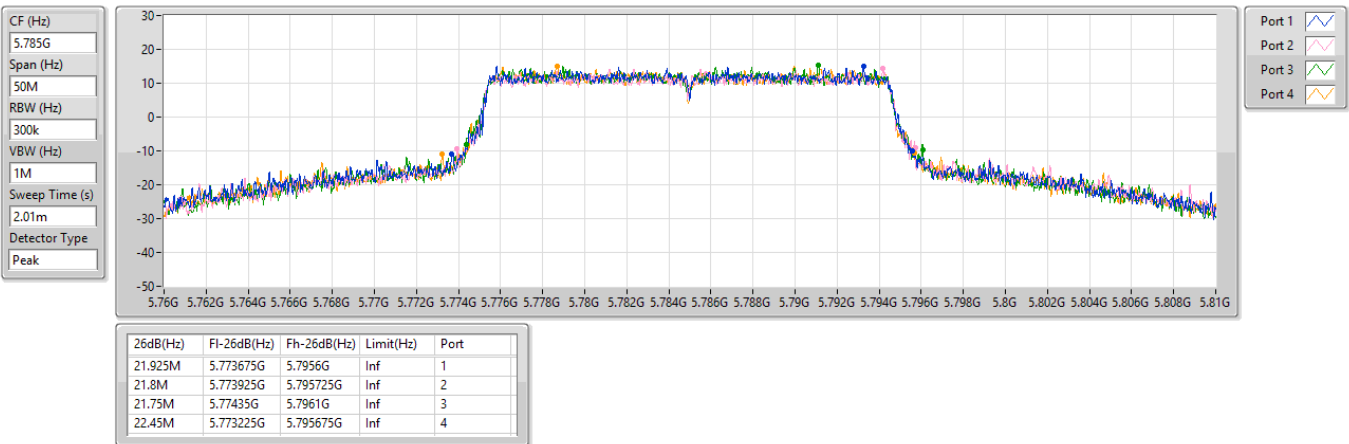


5.725-5.85GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5785MHz

24/04/2024



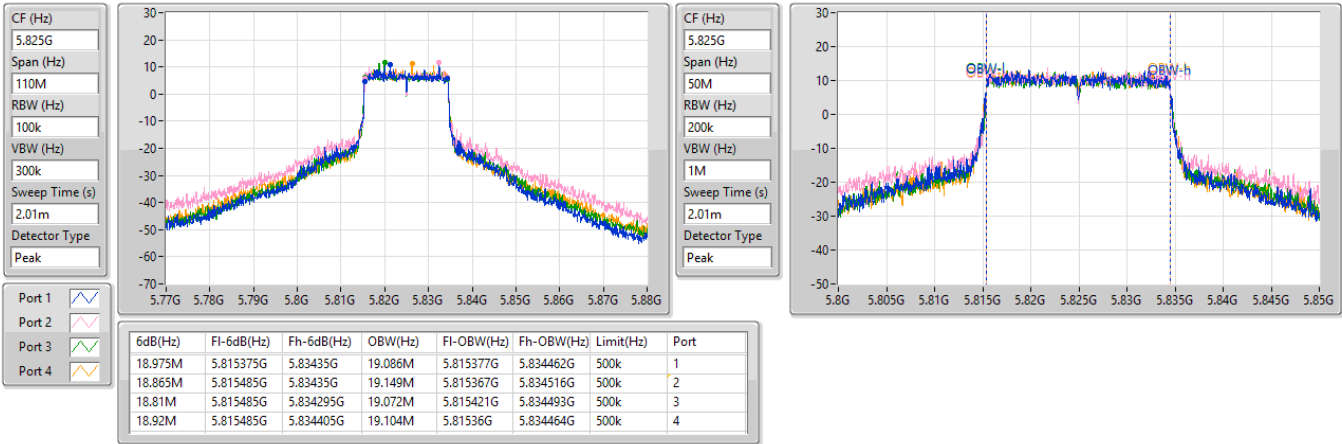


5.725-5.85GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5825MHz

24/04/2024

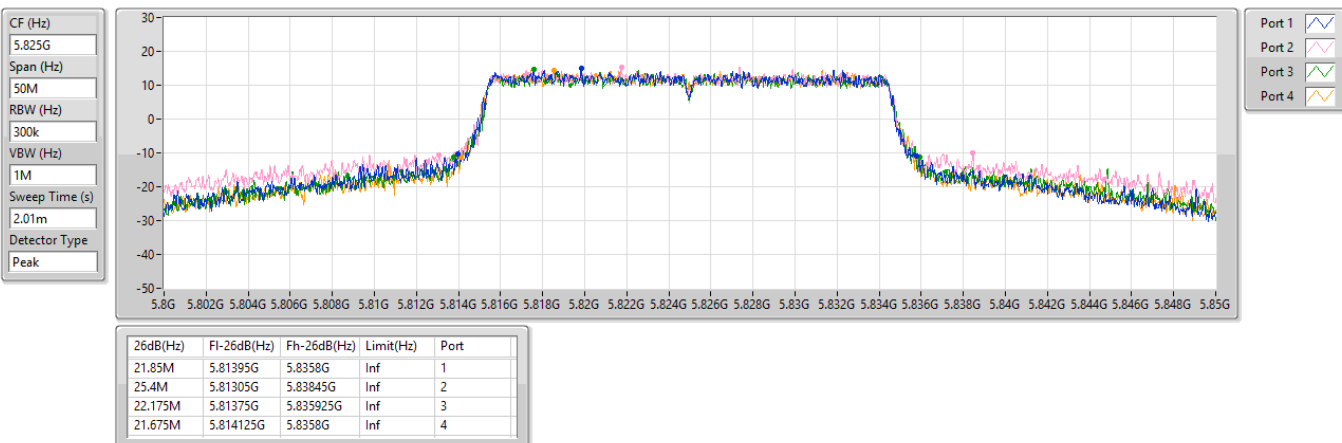


5.725-5.85GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

5825MHz

24/04/2024

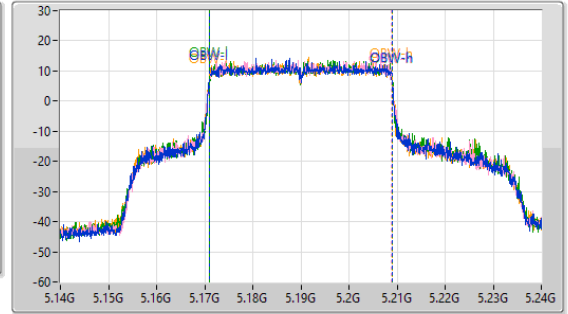
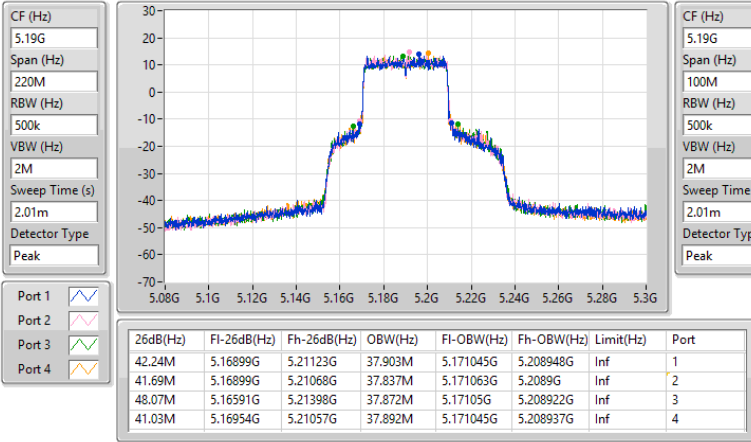


5.15-5.25GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5190MHz

24/04/2024

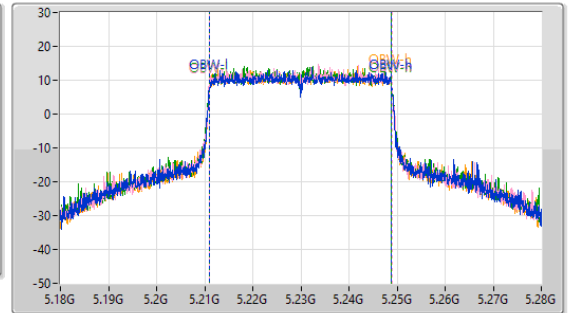
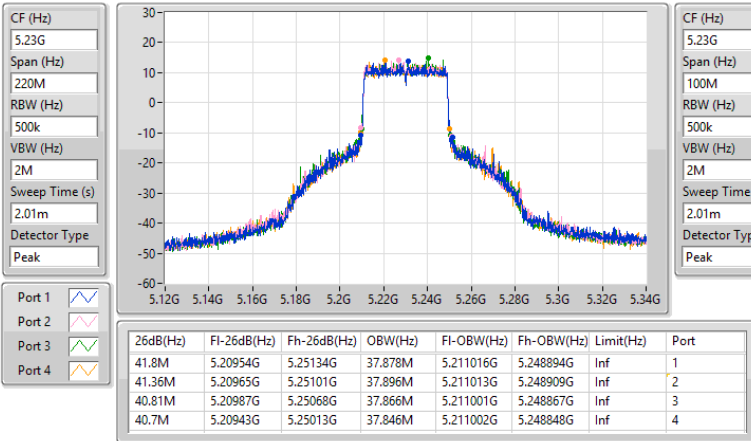


5.15-5.25GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5230MHz

24/04/2024



5.25-5.35GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5270MHz

24/04/2024

CF (Hz)  
5.27G

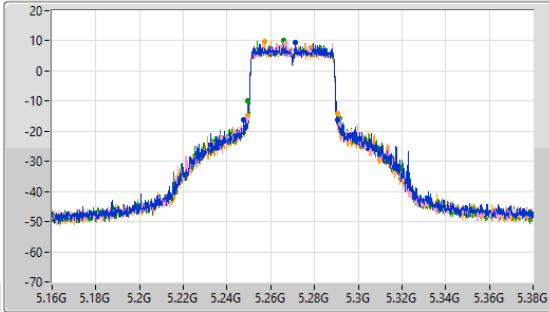
Span (Hz)  
220M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.27G

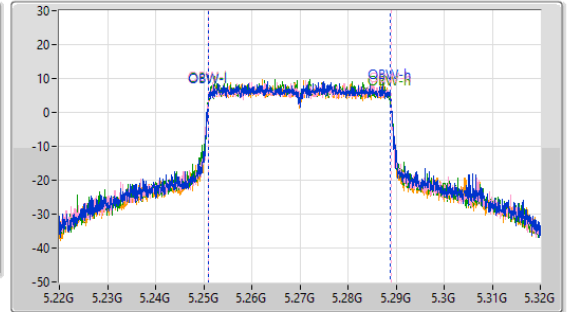
Span (Hz)  
100M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.34M	5.24745G	5.29079G	37.872M	5.251023G	5.288894G	Inf	1
42.13M	5.24888G	5.29101G	37.889M	5.251025G	5.288914G	Inf	2
42.02M	5.24965G	5.29167G	37.768M	5.251049G	5.288817G	Inf	3
40.81M	5.24965G	5.29046G	37.834M	5.251017G	5.288851G	Inf	4

5.25-5.35GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5310MHz

24/04/2024

CF (Hz)  
5.31G

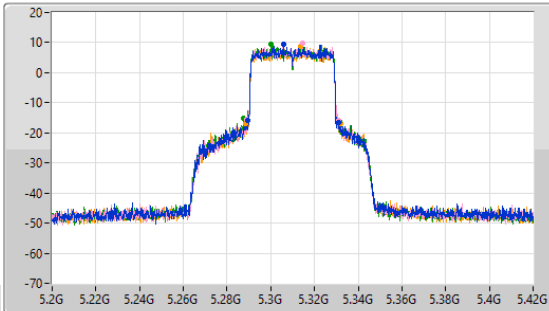
Span (Hz)  
220M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.31G

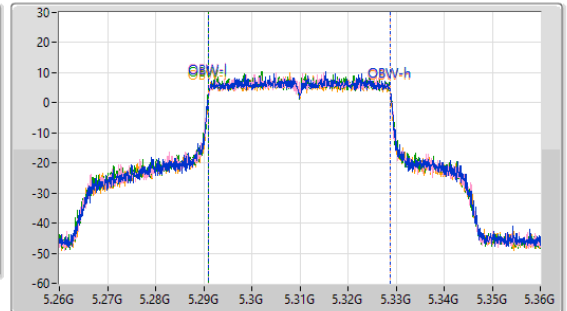
Span (Hz)  
100M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.69M	5.28932G	5.33101G	37.82M	5.291051G	5.328872G	Inf	1
41.91M	5.2891G	5.33101G	37.809M	5.29105G	5.328859G	Inf	2
44M	5.28745G	5.33145G	37.831M	5.291035G	5.328866G	Inf	3
43.78M	5.28844G	5.33222G	37.778M	5.291047G	5.328825G	Inf	4

5.47-5.725GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5510MHz

24/04/2024

CF (Hz)  
5.51G

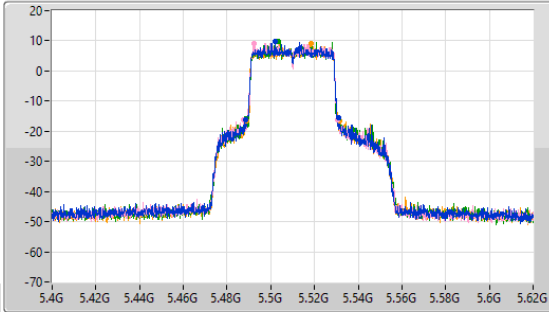
Span (Hz)  
220M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.51G

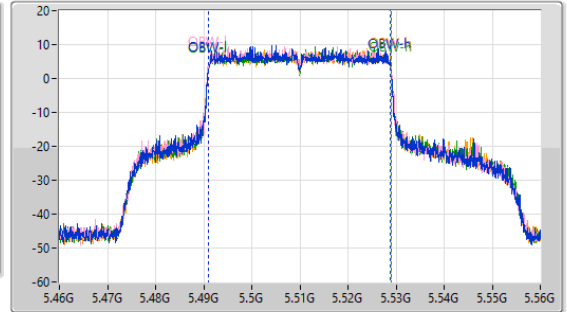
Span (Hz)  
100M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.35M	5.48855G	5.5309G	37.872M	5.491018G	5.52889G	Inf	1
42.9M	5.48767G	5.53057G	37.856M	5.490979G	5.528835G	Inf	2
42.79M	5.48833G	5.53112G	37.872M	5.491038G	5.528909G	Inf	3
42.57M	5.48899G	5.53156G	37.909M	5.491049G	5.528959G	Inf	4

5.47-5.725GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5550MHz

24/04/2024

CF (Hz)  
5.55G

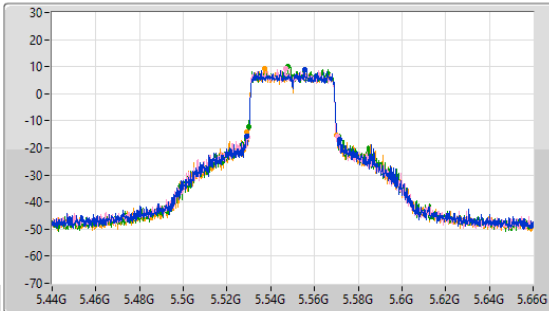
Span (Hz)  
220M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.55G

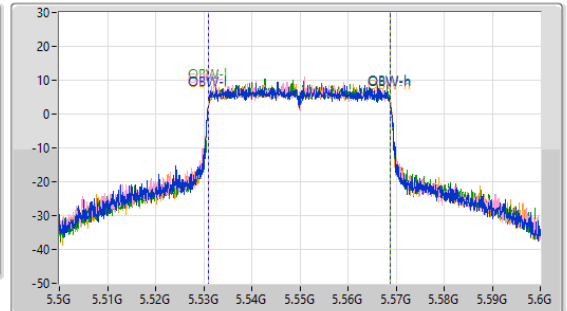
Span (Hz)  
100M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

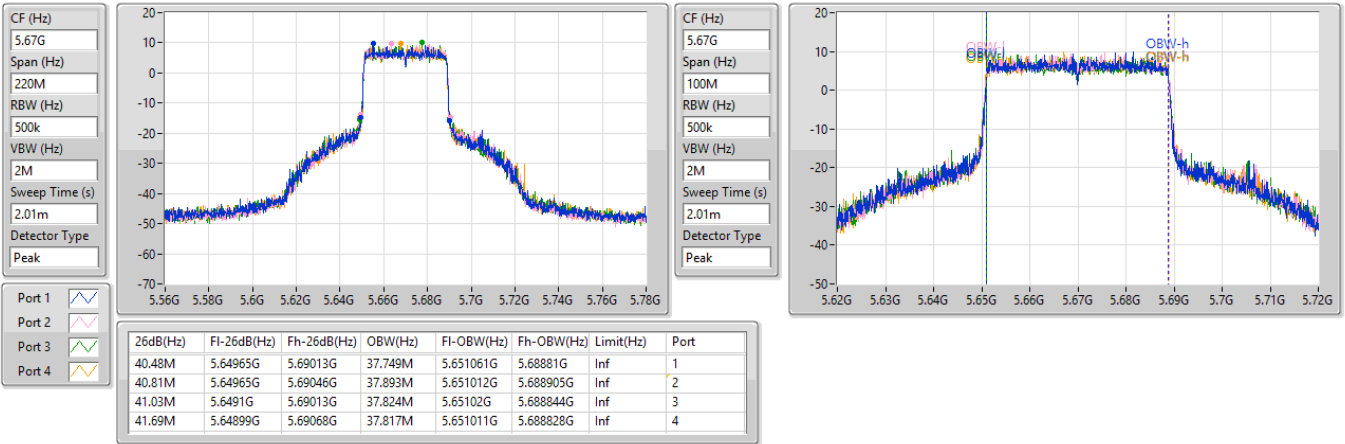
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.9M	5.52877G	5.57167G	37.804M	5.531042G	5.568846G	Inf	1
41.03M	5.52943G	5.57046G	37.82M	5.531046G	5.568867G	Inf	2
41.14M	5.52976G	5.5709G	37.744M	5.531088G	5.568832G	Inf	3
41.47M	5.52877G	5.57024G	37.799M	5.531049G	5.568847G	Inf	4

5.47-5.725GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5670MHz

24/04/2024

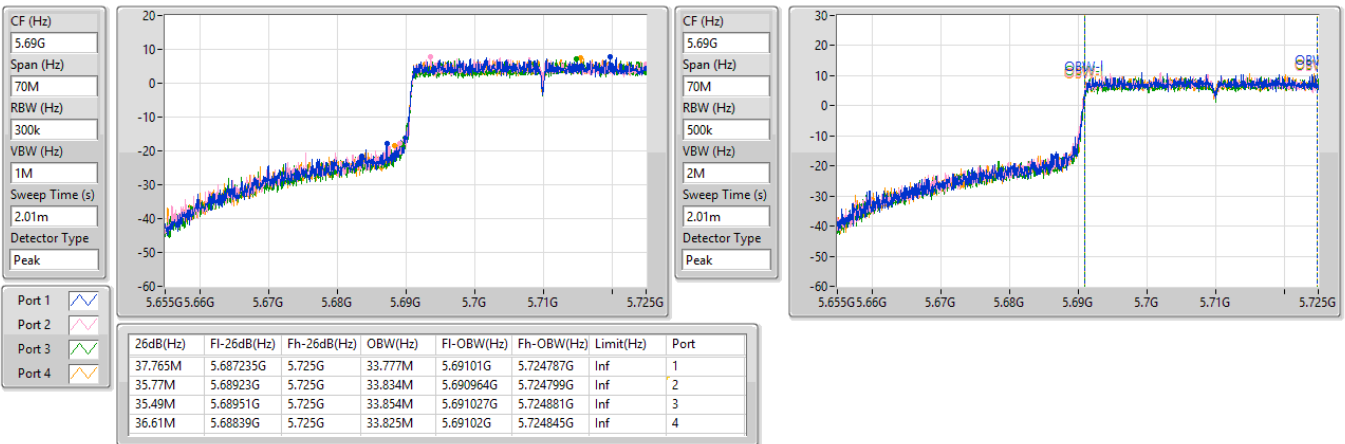


5.47-5.725GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

24/04/2024

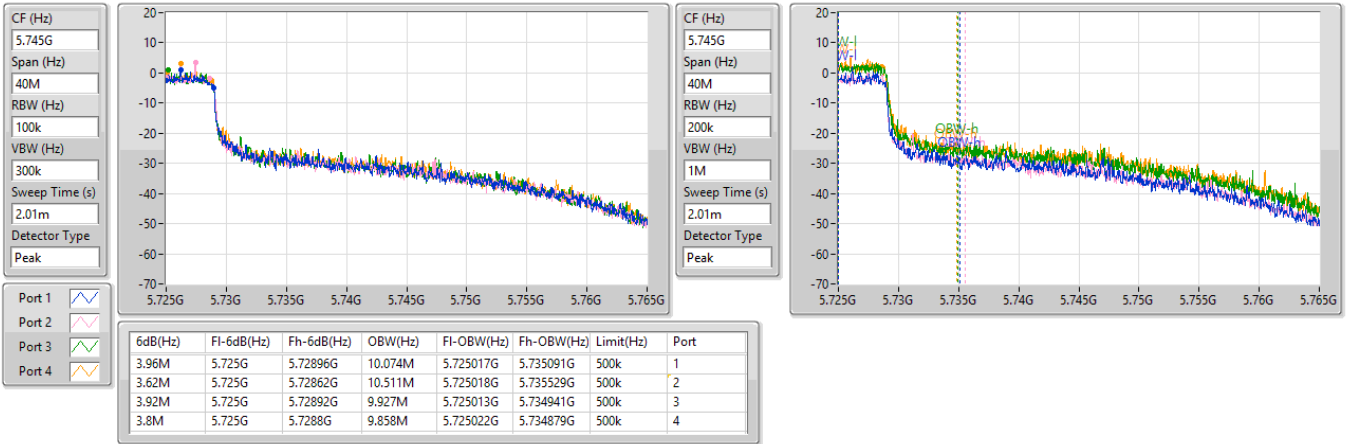


5.725-5.85GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

24/04/2024

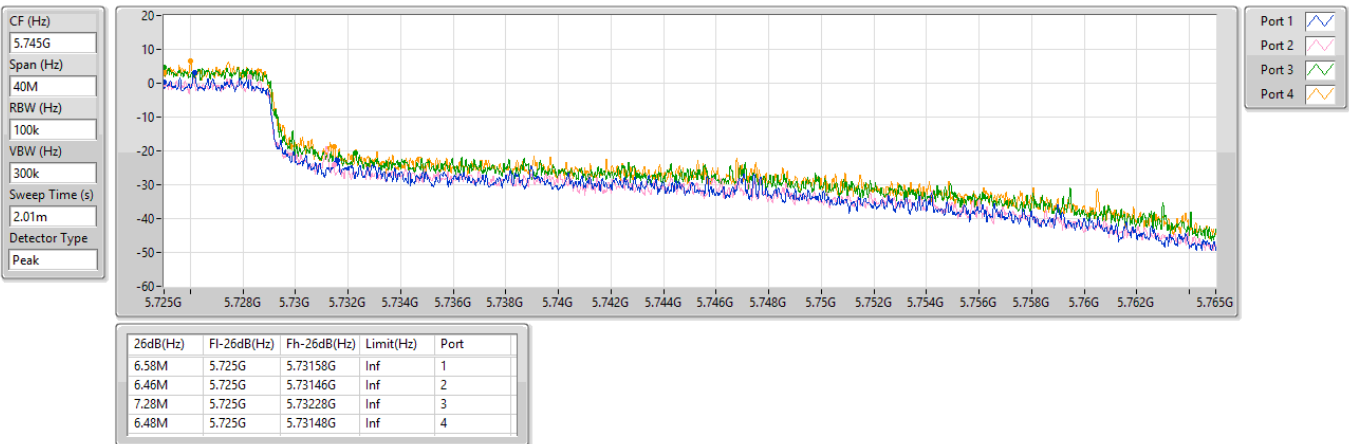


5.725-5.85GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

24/04/2024

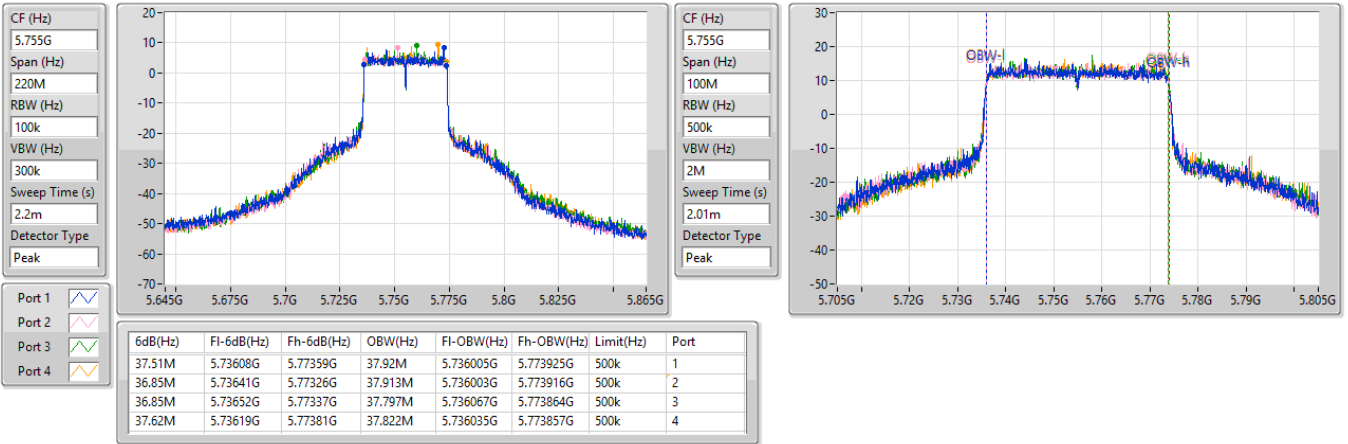


5.725-5.85GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5755MHz

24/04/2024

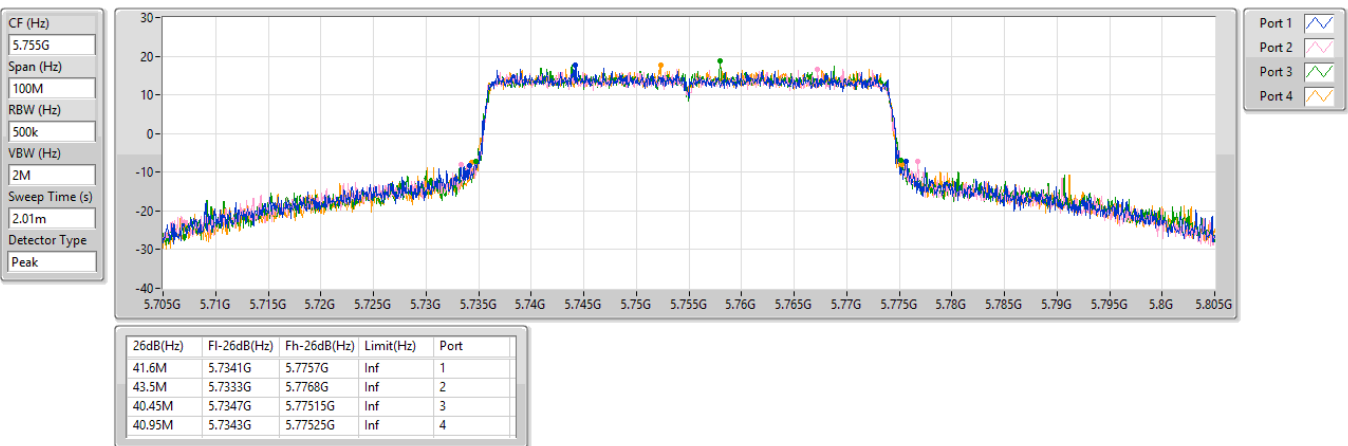


5.725-5.85GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5755MHz

24/04/2024

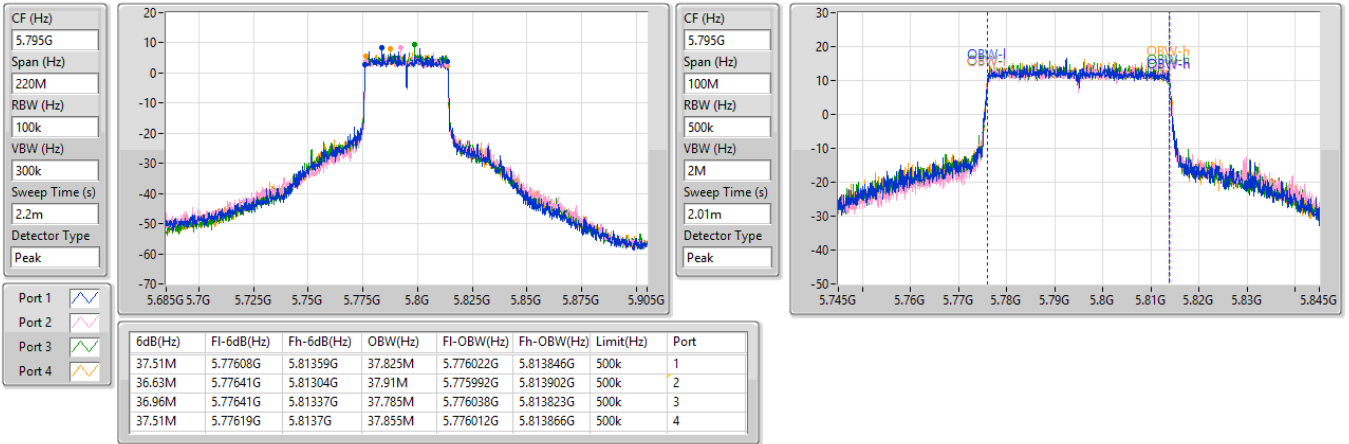


5.725-5.85GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5795MHz

24/04/2024

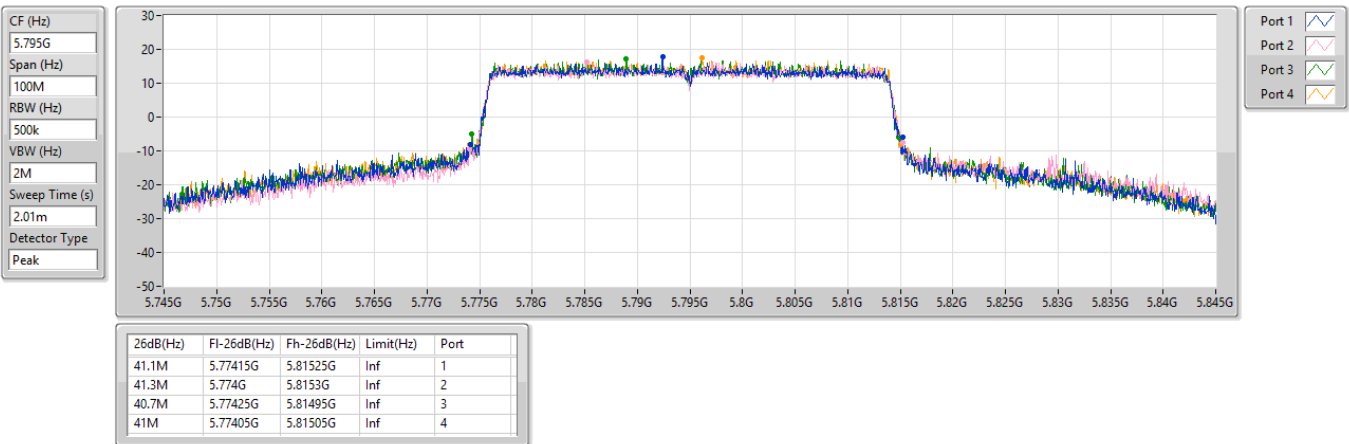


5.725-5.85GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5795MHz

24/04/2024



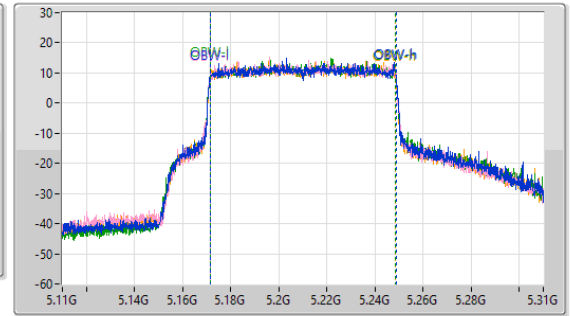
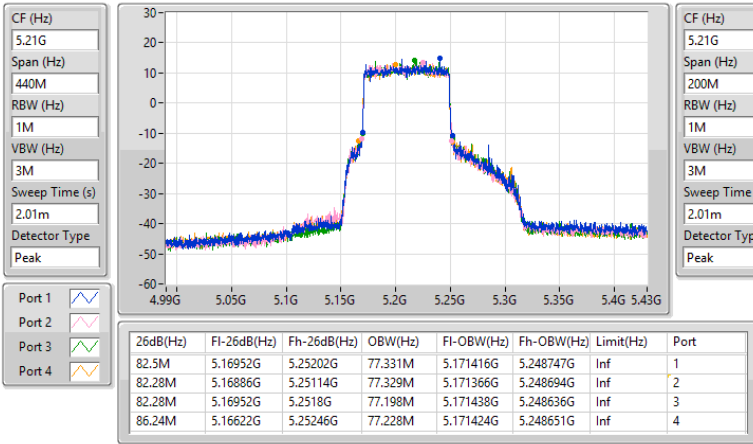


5.15-5.25GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

5210MHz

24/04/2024

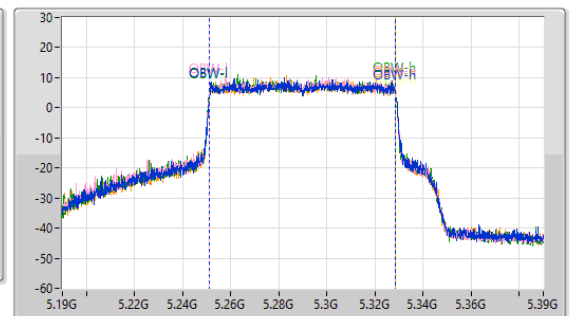
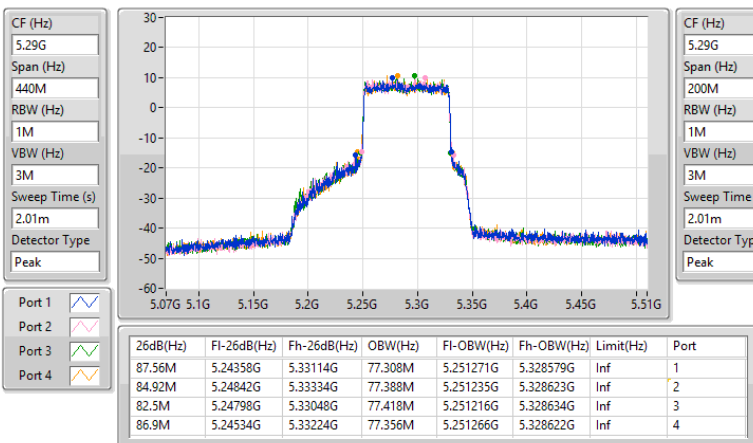


5.25-5.35GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

5290MHz

24/04/2024



5.47-5.725GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

5530MHz

24/04/2024

CF (Hz)  
5.53G

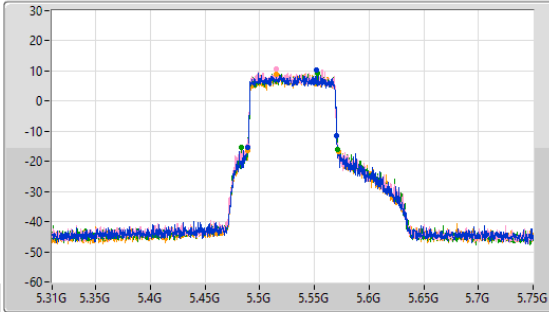
Span (Hz)  
440M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.53G

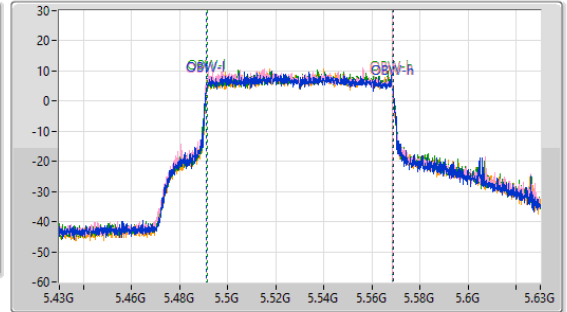
Span (Hz)  
200M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	5.48842G	5.57048G	77.473M	5.491226G	5.568699G	Inf	1
81.84M	5.48864G	5.57048G	77.326M	5.491224G	5.56855G	Inf	2
88.44M	5.48314G	5.57158G	77.31M	5.491335G	5.568646G	Inf	3
82.94M	5.48886G	5.5718G	77.275M	5.491277G	5.568552G	Inf	4

5.47-5.725GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

5610MHz

24/04/2024

CF (Hz)  
5.61G

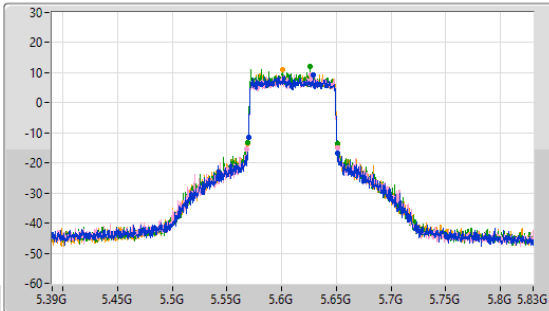
Span (Hz)  
440M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
5.61G

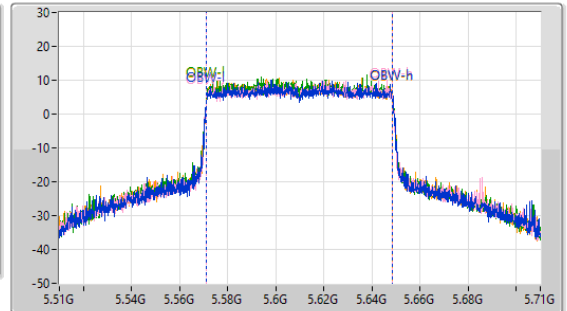
Span (Hz)  
200M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
2.01m

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

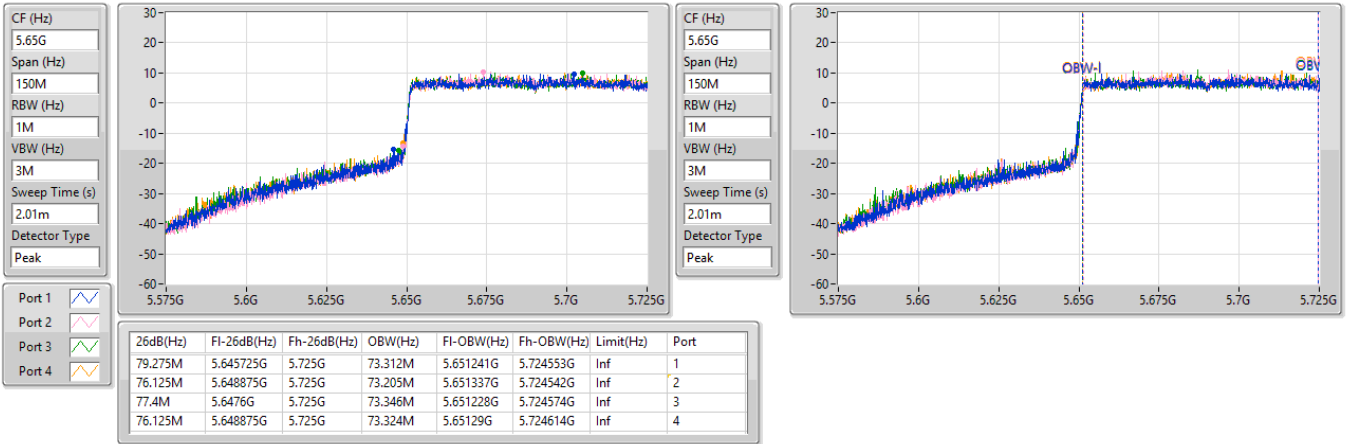
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.18M	5.56952G	5.6507G	77.427M	5.571232G	5.648659G	Inf	1
83.6M	5.56798G	5.65158G	77.329M	5.571296G	5.648625G	Inf	2
82.06M	5.56886G	5.65092G	77.337M	5.571282G	5.648619G	Inf	3
82.28M	5.56886G	5.65114G	77.254M	5.571274G	5.648528G	Inf	4

5.47-5.725GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

24/04/2024

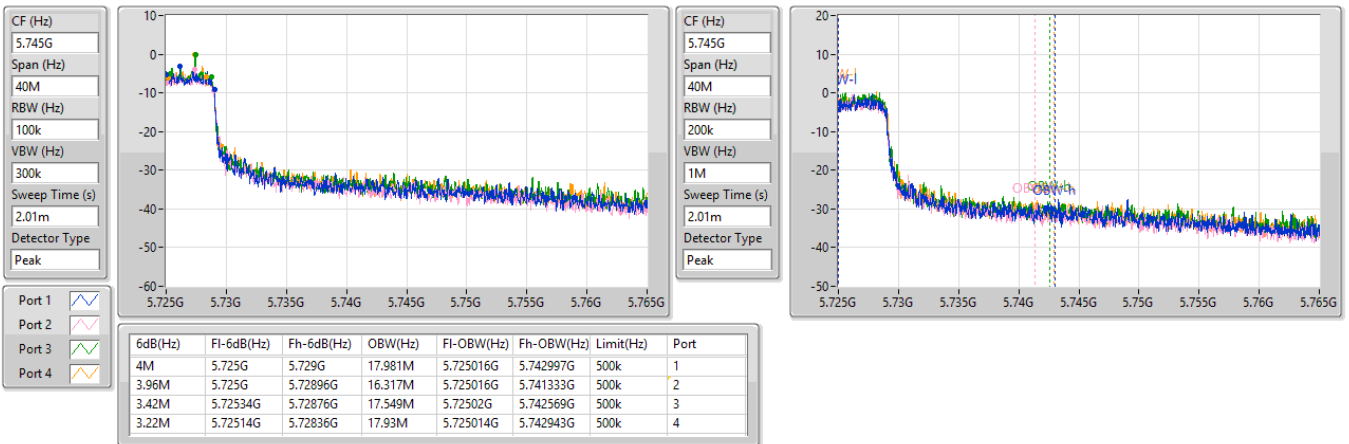


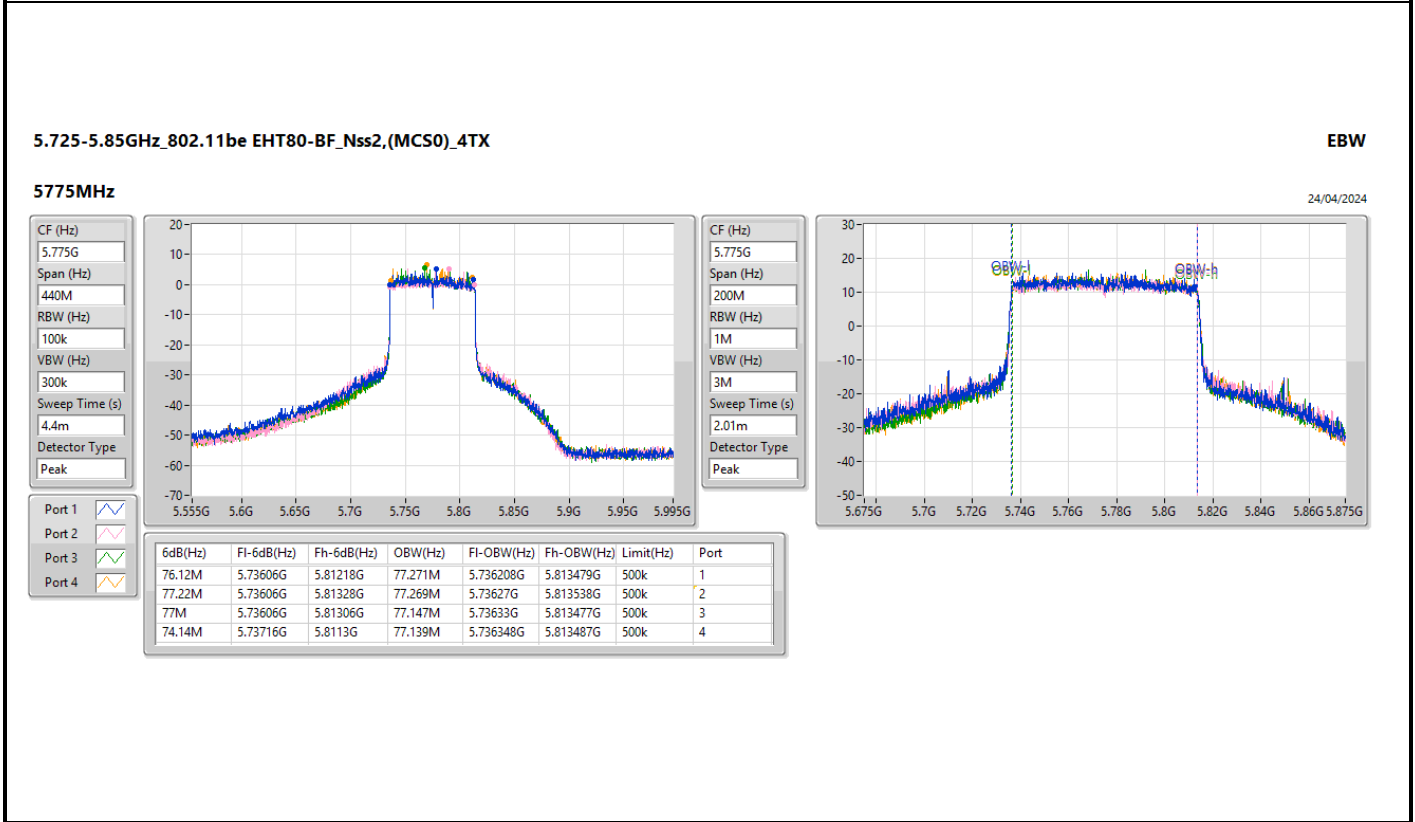
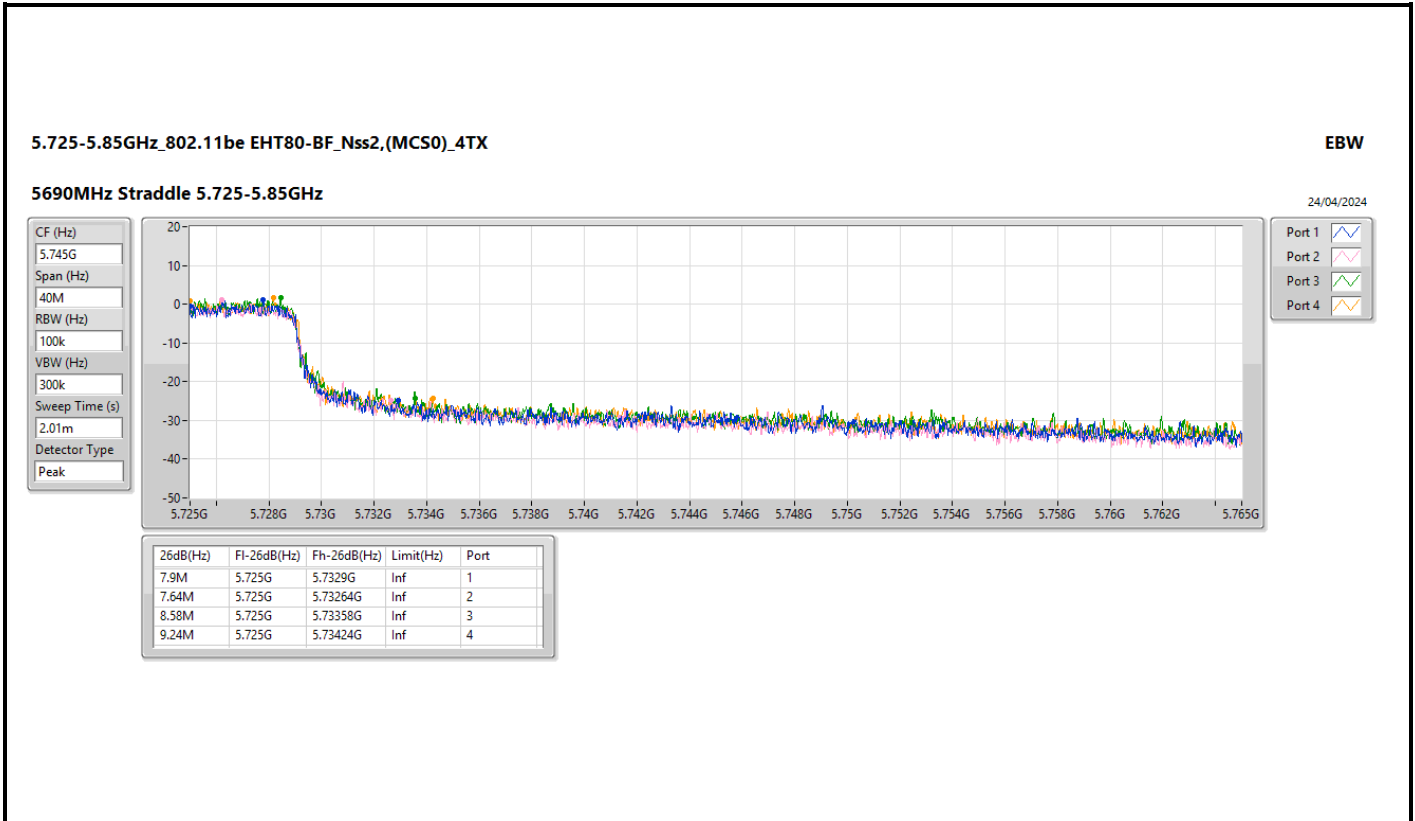
5.725-5.85GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

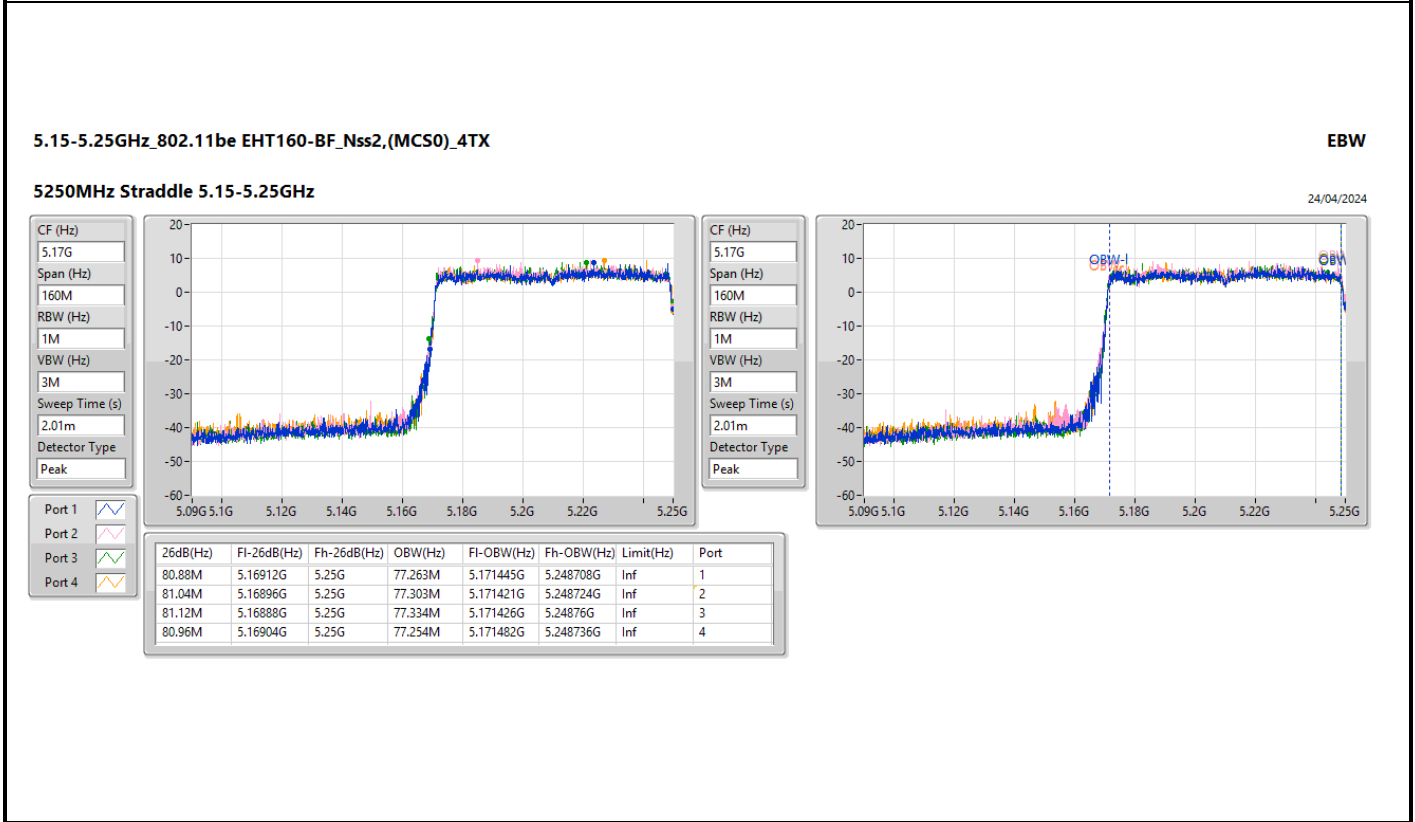
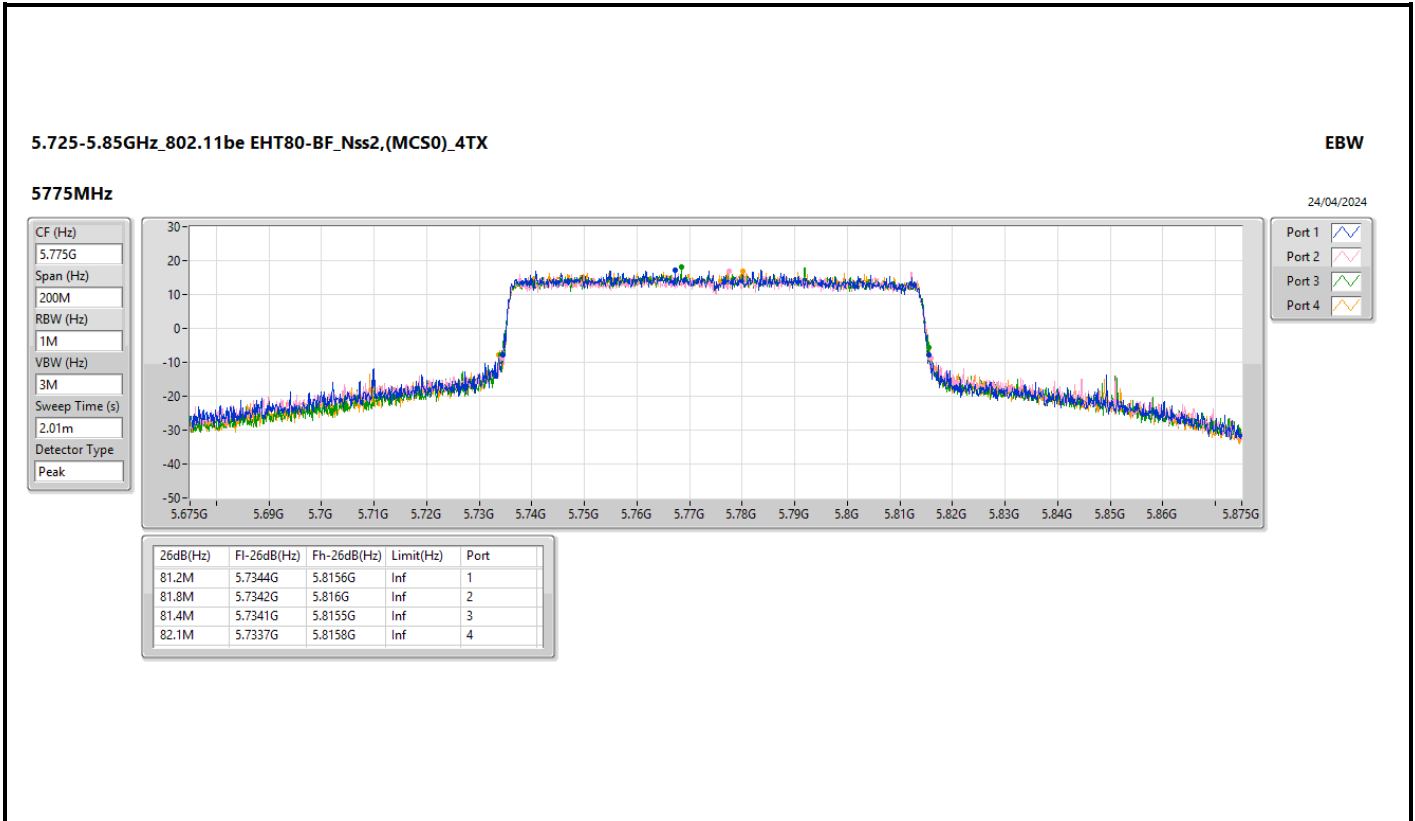
EBW

5690MHz Straddle 5.725-5.85GHz

24/04/2024





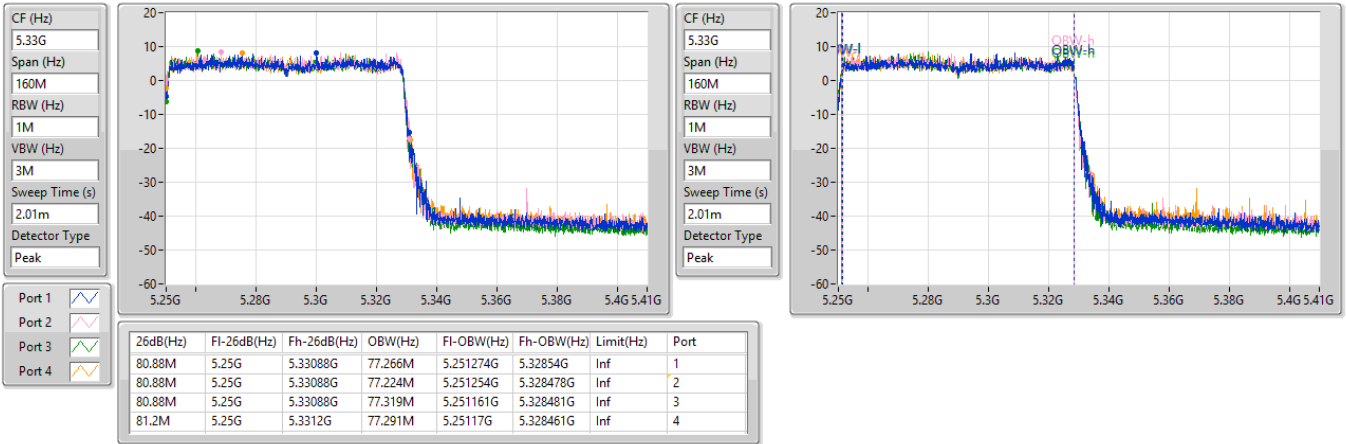


5.25-5.35GHz\_802.11be EHT160-BF\_Nss2,(MCS0)\_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

24/04/2024

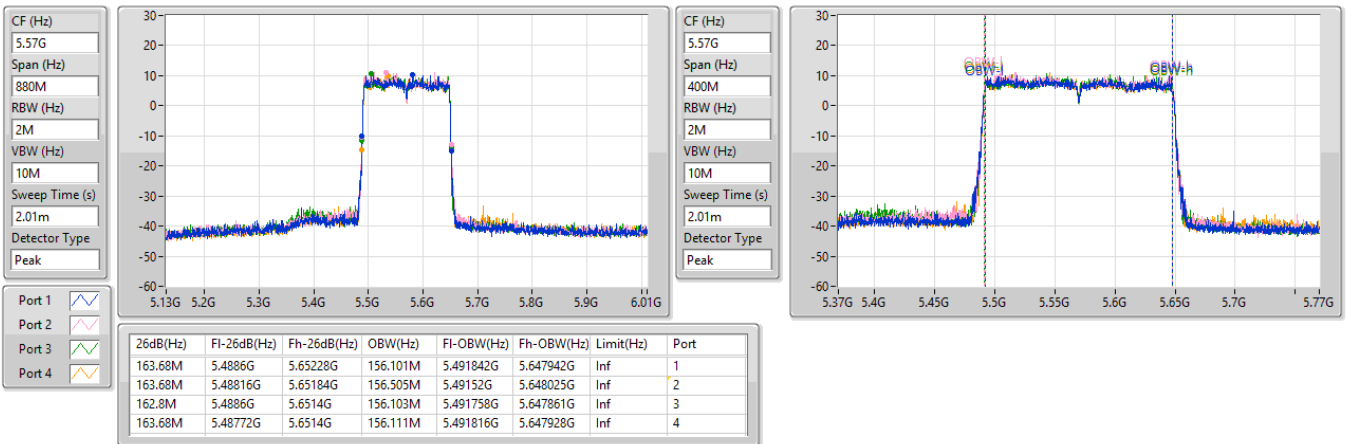


5.47-5.725GHz\_802.11be EHT160-BF\_Nss2,(MCS0)\_4TX

EBW

5570MHz

24/04/2024





**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.91	0.97949
802.11be EHT20-BF_Nss1,(MCS0)_4TX	29.89	0.97499
802.11be EHT20-BF_Nss2,(MCS0)_4TX	29.84	0.96383
802.11be EHT40-BF_Nss1,(MCS0)_4TX	28.86	0.76913
802.11be EHT40-BF_Nss2,(MCS0)_4TX	27.37	0.54576
802.11be EHT80-BF_Nss1,(MCS0)_4TX	26.59	0.45604
802.11be EHT80-BF_Nss2,(MCS0)_4TX	26.60	0.45709
802.11be EHT160-BF_Nss1,(MCS0)_4TX	21.43	0.13900
802.11be EHT160-BF_Nss2,(MCS0)_4TX	21.68	0.14723
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.95	0.24831
802.11be EHT20-BF_Nss1,(MCS0)_4TX	23.83	0.24155
802.11be EHT20-BF_Nss2,(MCS0)_4TX	23.80	0.23988
802.11be EHT40-BF_Nss1,(MCS0)_4TX	23.71	0.23496
802.11be EHT40-BF_Nss2,(MCS0)_4TX	23.94	0.24774
802.11be EHT80-BF_Nss1,(MCS0)_4TX	23.82	0.24099
802.11be EHT80-BF_Nss2,(MCS0)_4TX	23.84	0.24210
802.11be EHT160-BF_Nss1,(MCS0)_4TX	21.39	0.13772
802.11be EHT160-BF_Nss2,(MCS0)_4TX	21.51	0.14158
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	22.64	0.18365
802.11be EHT20-BF_Nss1,(MCS0)_4TX	22.22	0.16672
802.11be EHT20-BF_Nss2,(MCS0)_4TX	23.90	0.24547
802.11be EHT40-BF_Nss1,(MCS0)_4TX	22.24	0.16749
802.11be EHT40-BF_Nss2,(MCS0)_4TX	23.96	0.24889
802.11be EHT80-BF_Nss1,(MCS0)_4TX	22.22	0.16672
802.11be EHT80-BF_Nss2,(MCS0)_4TX	23.96	0.24889
802.11be EHT160-BF_Nss1,(MCS0)_4TX	22.07	0.16106
802.11be EHT160-BF_Nss2,(MCS0)_4TX	23.94	0.24774
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.91	0.97949
802.11be EHT20-BF_Nss1,(MCS0)_4TX	28.46	0.70146
802.11be EHT20-BF_Nss2,(MCS0)_4TX	29.88	0.97275
802.11be EHT40-BF_Nss1,(MCS0)_4TX	28.44	0.69823
802.11be EHT40-BF_Nss2,(MCS0)_4TX	29.90	0.97724
802.11be EHT80-BF_Nss1,(MCS0)_4TX	28.42	0.69502
802.11be EHT80-BF_Nss2,(MCS0)_4TX	28.83	0.76384



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	3.69	21.83	22.11	22.27	22.04	28.09	30.00
5200MHz	Pass	3.69	23.46	23.78	24.17	23.69	29.80	30.00
5240MHz	Pass	3.69	23.32	23.67	24.59	23.87	29.91	30.00
5260MHz	Pass	3.93	17.90	17.87	18.05	17.65	23.89	23.98
5300MHz	Pass	3.93	17.84	17.98	17.94	17.68	23.88	23.98
5320MHz	Pass	3.93	17.97	17.93	18.03	17.77	23.95	23.98
5500MHz	Pass	3.99	16.61	17.05	16.56	16.18	22.63	23.98
5580MHz	Pass	3.99	16.44	16.53	17.05	16.41	22.64	23.98
5700MHz	Pass	3.99	16.76	17.09	16.04	16.48	22.63	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.99	15.54	15.89	14.89	15.36	21.46	23.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.71	9.35	9.54	8.91	9.32	15.31	30.00
5745MHz	Pass	3.71	24.12	23.97	23.65	23.68	29.88	30.00
5785MHz	Pass	3.71	24.01	23.51	23.88	23.93	29.86	30.00
5825MHz	Pass	3.71	23.87	24.27	23.59	23.78	29.91	30.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.70	21.87	22.13	22.21	21.91	28.05	30.00
5200MHz	Pass	5.70	23.30	23.94	24.16	23.69	29.80	30.00
5240MHz	Pass	5.70	23.43	23.85	24.34	23.81	29.89	30.00
5260MHz	Pass	6.12	17.79	17.84	17.83	17.71	23.81	23.86
5300MHz	Pass	6.12	17.79	17.84	17.89	17.52	23.78	23.86
5320MHz	Pass	6.12	17.85	17.96	17.87	17.54	23.83	23.86
5500MHz	Pass	7.72	16.01	16.77	16.16	15.72	22.20	22.26
5580MHz	Pass	7.72	16.03	16.15	16.62	15.96	22.22	22.26
5700MHz	Pass	7.72	16.19	16.54	15.59	15.84	22.08	22.26
5720MHz Straddle 5.47-5.725GHz	Pass	7.72	15.44	15.74	14.65	14.99	21.25	21.39
5720MHz Straddle 5.725-5.85GHz	Pass	7.52	10.21	10.57	9.92	10.20	16.25	28.48
5745MHz	Pass	7.52	22.65	22.57	22.29	22.24	28.46	28.48
5785MHz	Pass	7.52	22.48	22.17	22.51	22.41	28.42	28.48
5825MHz	Pass	7.52	22.27	22.84	22.12	22.39	28.43	28.48
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.70	22.14	22.45	22.31	21.87	28.22	30.00
5230MHz	Pass	5.70	22.65	22.93	23.06	22.69	28.86	30.00
5270MHz	Pass	6.12	17.85	17.64	17.90	17.33	23.71	23.86
5310MHz	Pass	6.12	17.87	17.63	17.83	17.37	23.70	23.86
5510MHz	Pass	7.72	16.14	16.43	16.28	16.01	22.24	22.26
5550MHz	Pass	7.72	15.95	16.03	16.44	16.22	22.18	22.26
5670MHz	Pass	7.72	16.05	16.26	16.02	16.11	22.13	22.26
5710MHz Straddle 5.47-5.725GHz	Pass	7.72	16.30	16.58	15.69	16.06	22.19	22.26
5710MHz Straddle 5.725-5.85GHz	Pass	7.52	6.72	6.77	6.63	6.92	12.78	28.48
5755MHz	Pass	7.52	22.35	22.16	22.61	22.56	28.44	28.48
5795MHz	Pass	7.52	22.12	22.03	22.48	22.50	28.31	28.48
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.70	20.47	20.76	20.78	20.25	26.59	30.00
5290MHz	Pass	6.12	17.83	18.03	17.88	17.45	23.82	23.86
5530MHz	Pass	7.72	15.85	16.51	16.34	16.07	22.22	22.26
5610MHz	Pass	7.72	15.73	15.69	16.65	16.25	22.12	22.26
5690MHz Straddle 5.47-5.725GHz	Pass	7.72	15.80	16.42	16.03	16.14	22.12	22.26
5690MHz Straddle 5.725-5.85GHz	Pass	7.52	2.54	2.62	3.20	3.18	8.92	28.48
5775MHz	Pass	7.52	22.45	22.24	22.37	22.52	28.42	28.48
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.70	15.12	15.61	15.66	15.21	21.43	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	6.12	15.54	15.35	15.41	15.15	21.39	23.86
5570MHz	Pass	7.72	15.92	16.28	16.19	15.81	22.07	22.26
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-



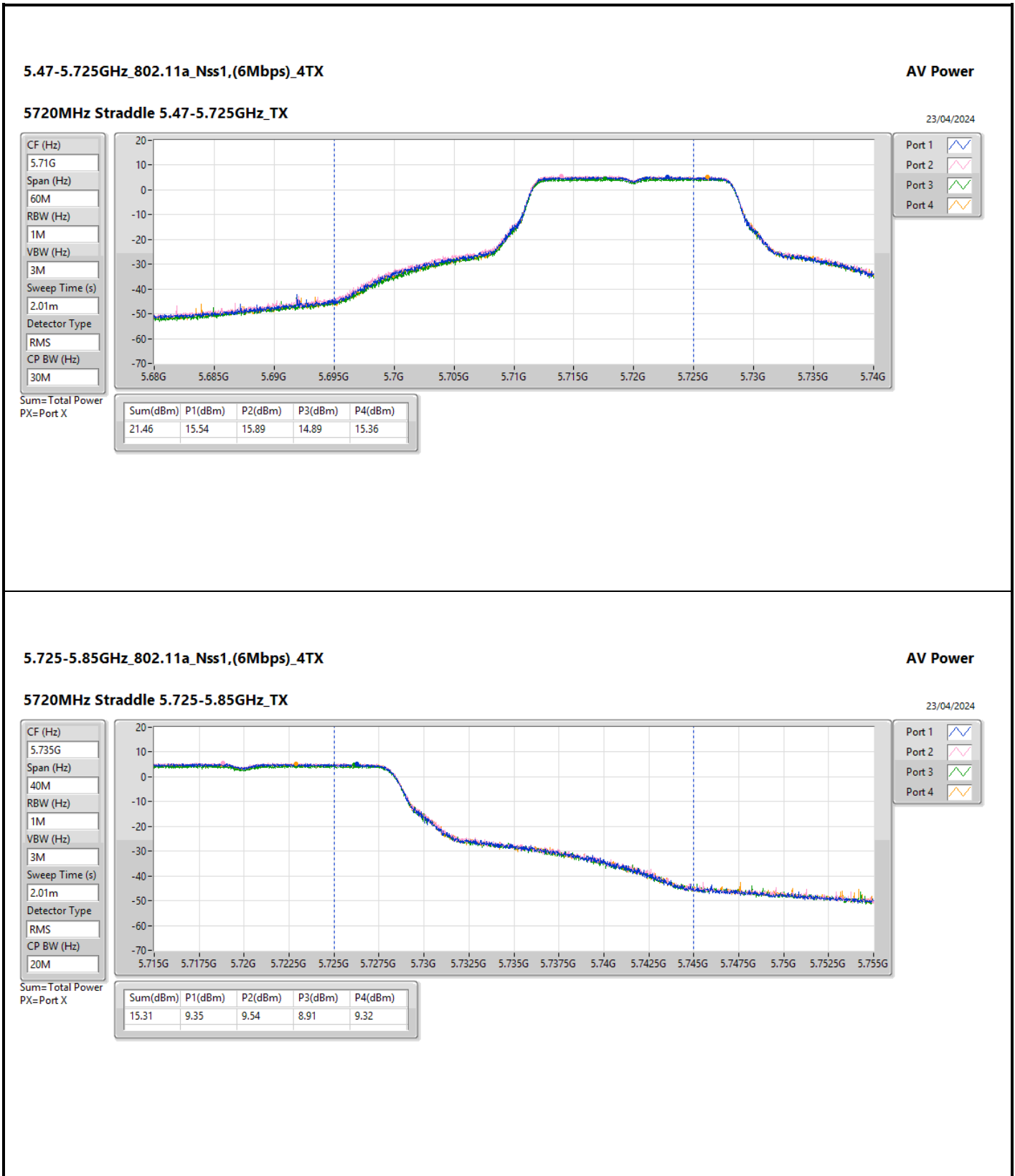


## Average Power

## Appendix C

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
5180MHz	Pass	3.69	22.20	22.61	22.79	22.47	28.54	30.00
5200MHz	Pass	3.69	23.46	23.72	24.18	23.80	29.82	30.00
5240MHz	Pass	3.69	23.41	23.75	24.29	23.77	29.84	30.00
5260MHz	Pass	3.93	17.91	17.86	17.67	17.58	23.78	23.98
5300MHz	Pass	3.93	17.81	17.98	17.79	17.51	23.80	23.98
5320MHz	Pass	3.93	17.80	17.93	17.84	17.49	23.79	23.98
5500MHz	Pass	4.72	17.66	18.14	17.76	17.43	23.78	23.98
5580MHz	Pass	4.72	17.59	17.83	18.14	17.36	23.76	23.98
5700MHz	Pass	4.72	17.96	18.49	17.35	17.64	23.90	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.72	17.26	17.43	16.24	16.73	22.96	23.12
5720MHz Straddle 5.725-5.85GHz	Pass	4.52	11.98	12.15	11.35	11.81	17.85	30.00
5745MHz	Pass	4.52	23.96	23.89	23.72	23.57	29.81	30.00
5785MHz	Pass	4.52	23.87	23.67	23.85	23.82	29.82	30.00
5825MHz	Pass	4.52	23.82	24.08	23.65	23.86	29.88	30.00
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.69	21.13	21.47	21.22	20.89	27.20	30.00
5230MHz	Pass	3.69	21.07	21.46	21.56	21.29	27.37	30.00
5270MHz	Pass	3.93	18.13	17.89	18.08	17.57	23.94	23.98
5310MHz	Pass	3.93	17.94	17.83	17.97	17.38	23.81	23.98
5510MHz	Pass	4.72	17.75	18.05	17.69	17.57	23.79	23.98
5550MHz	Pass	4.72	17.84	17.73	18.04	17.87	23.89	23.98
5670MHz	Pass	4.72	18.02	17.97	17.85	17.93	23.96	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.72	18.03	18.21	17.48	17.81	23.91	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.52	8.55	8.42	8.31	8.91	14.57	30.00
5755MHz	Pass	4.52	23.84	23.61	23.95	23.89	29.84	30.00
5795MHz	Pass	4.52	23.73	23.56	24.08	24.13	29.90	30.00
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.69	20.57	20.63	20.67	20.46	26.60	30.00
5290MHz	Pass	3.93	17.81	17.97	18.02	17.45	23.84	23.98
5530MHz	Pass	4.72	17.85	18.18	18.07	17.65	23.96	23.98
5610MHz	Pass	4.72	17.67	17.49	18.43	18.12	23.96	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.72	17.76	18.00	17.88	17.89	23.90	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.52	4.42	4.27	5.09	4.94	10.71	30.00
5775MHz	Pass	4.52	22.92	22.49	22.87	22.96	28.83	30.00
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.69	15.42	15.93	15.86	15.40	21.68	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.93	15.43	15.61	15.56	15.37	21.51	23.98
5570MHz	Pass	4.72	17.77	18.21	17.97	17.71	23.94	23.98

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



**5.725-5.85GHz\_802.11a\_Nss1,(6Mbps)\_4TX**

**5720MHz Straddle 5.725-5.85GHz\_TX**

AV Power

23/04/2024

CF (Hz): 5.735G

Span (Hz): 40M

RBW (Hz): 1M

VBW (Hz): 3M

Sweep Time (s): 2.01m

Detector Type: RMS

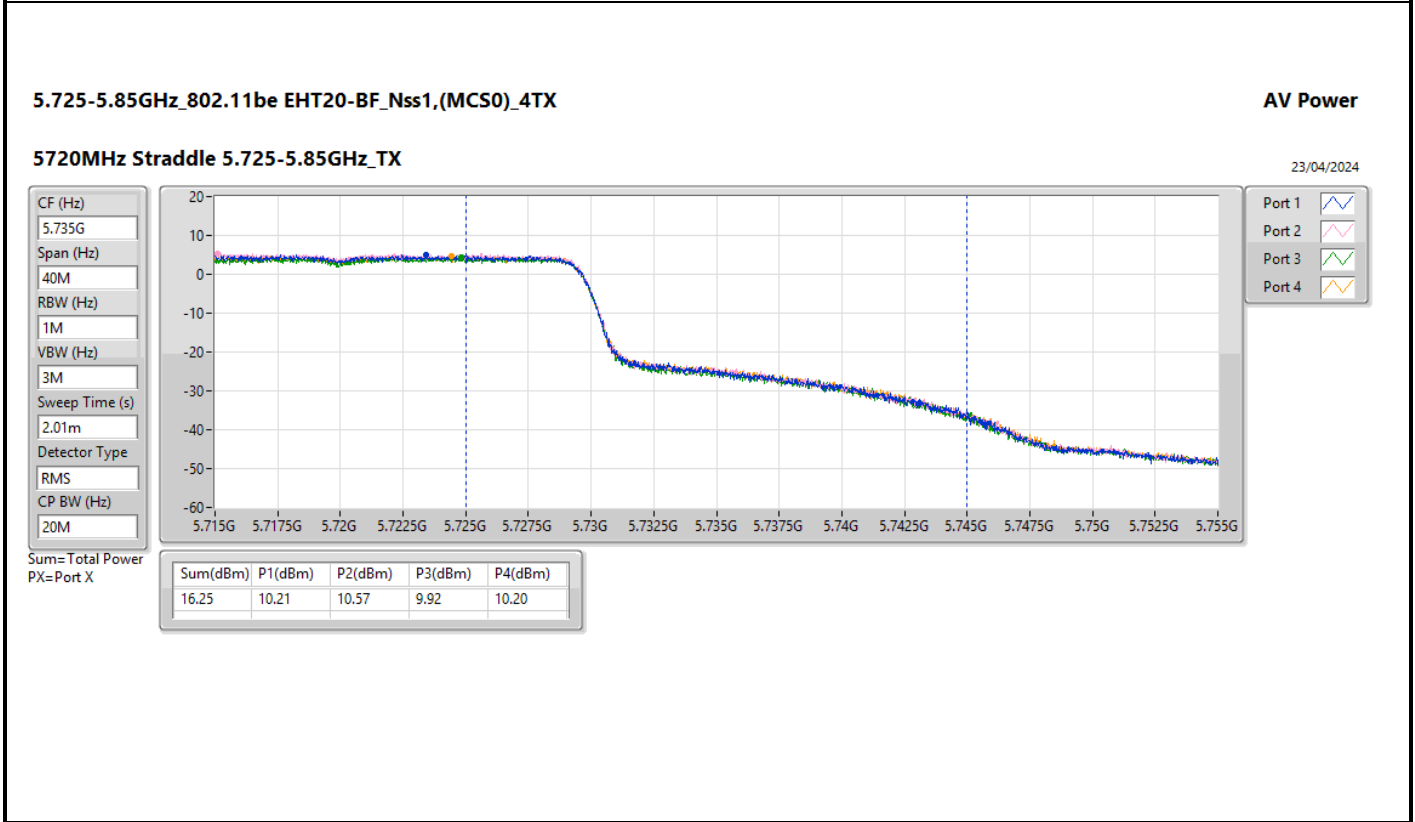
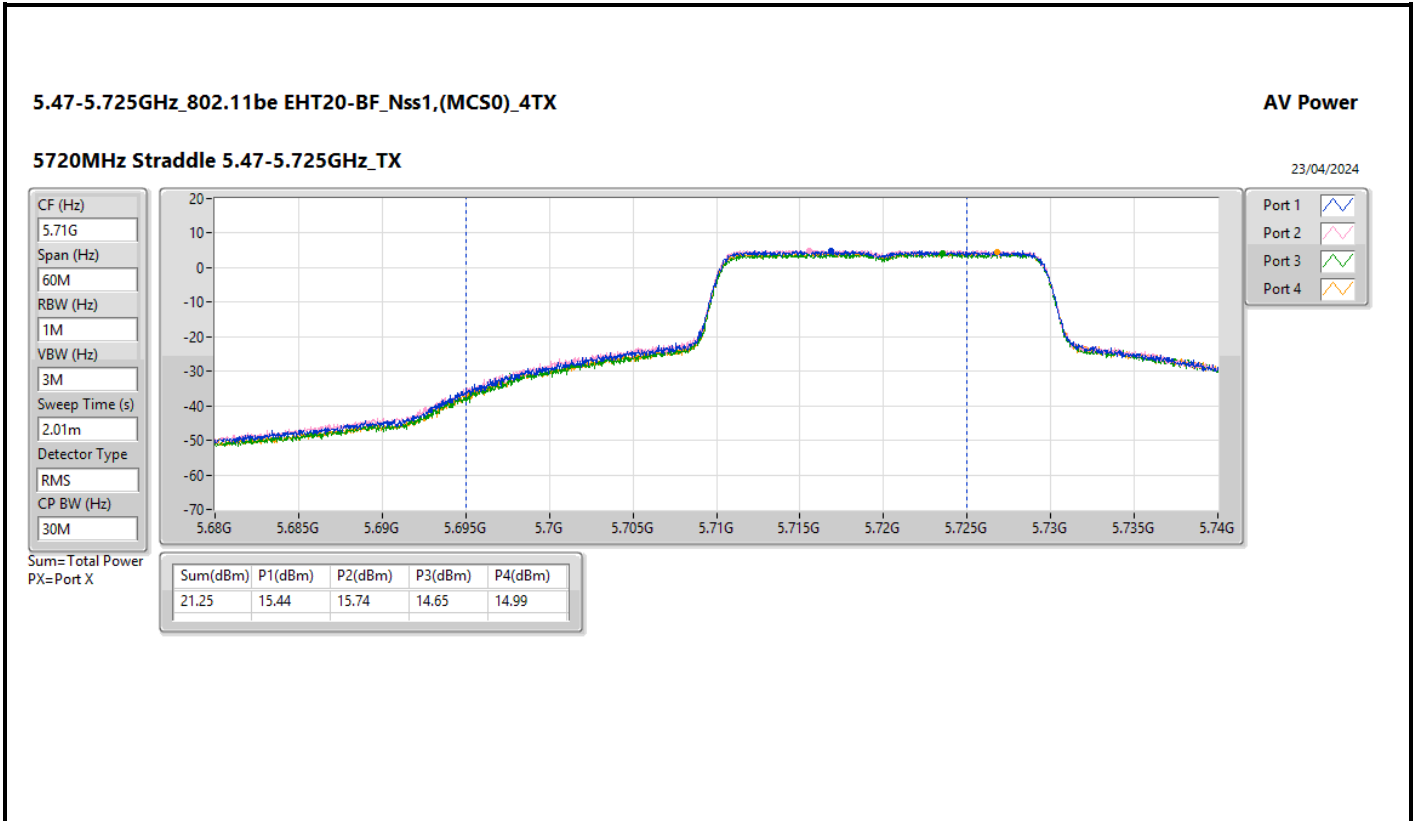
CP BW (Hz): 20M

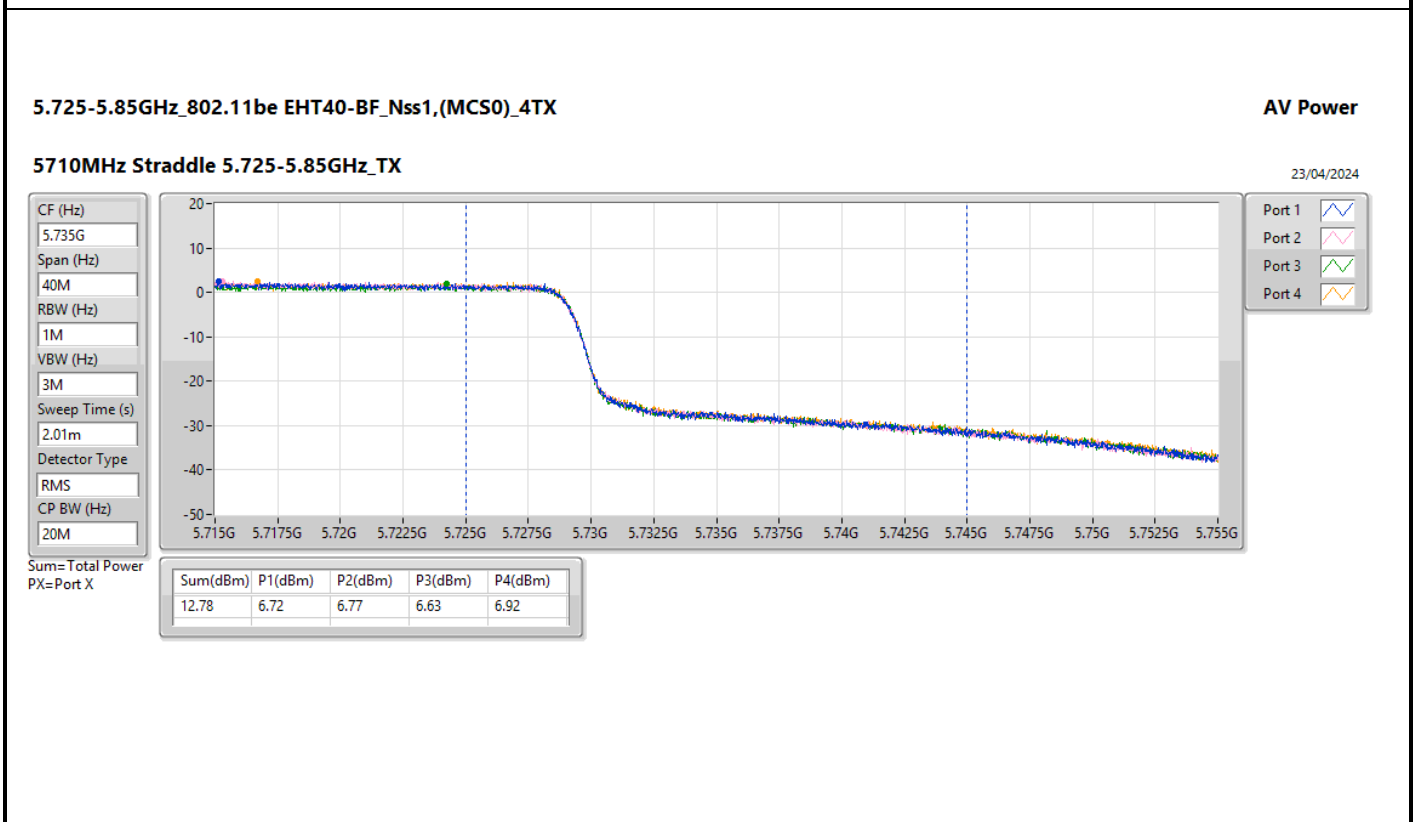
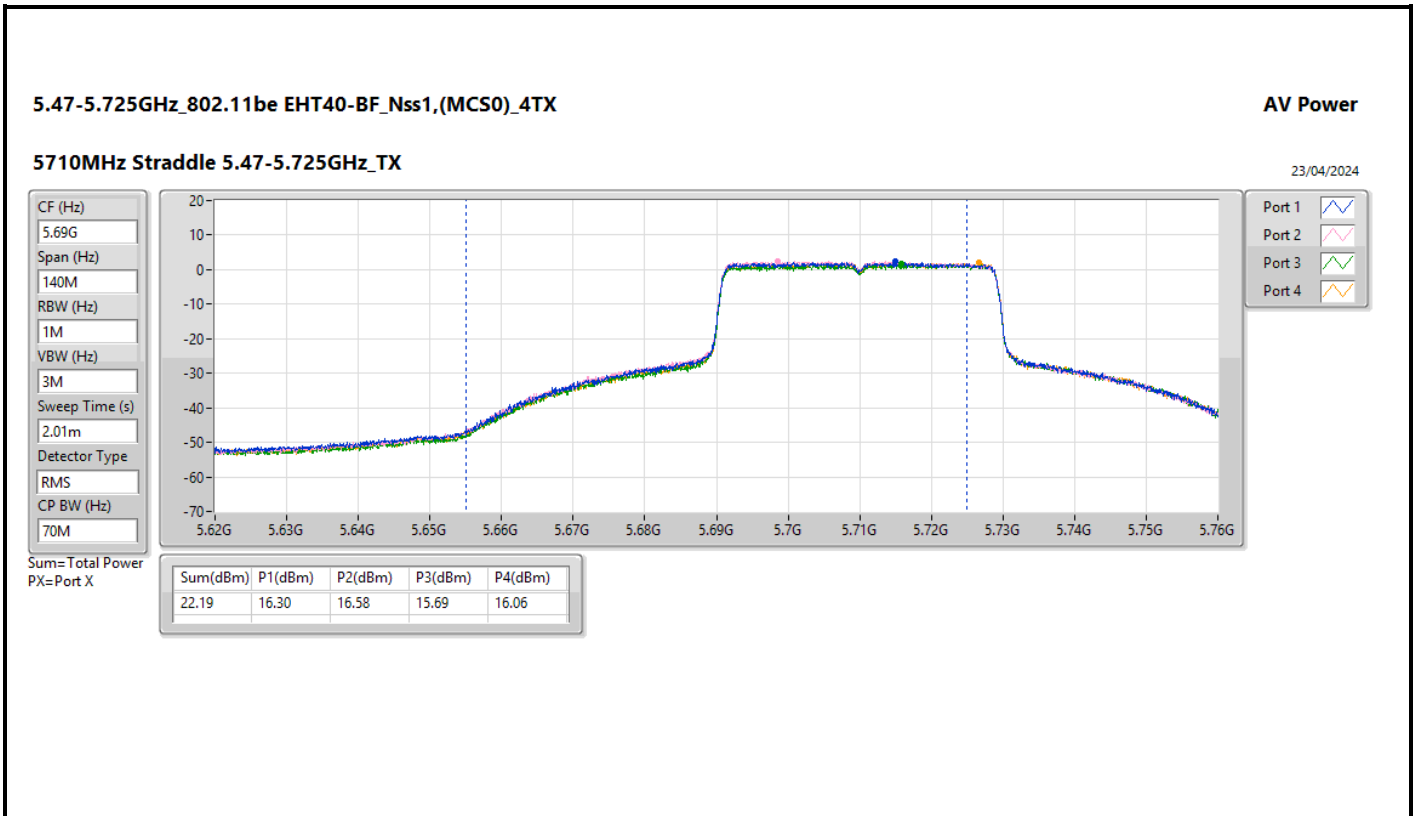
Port 1

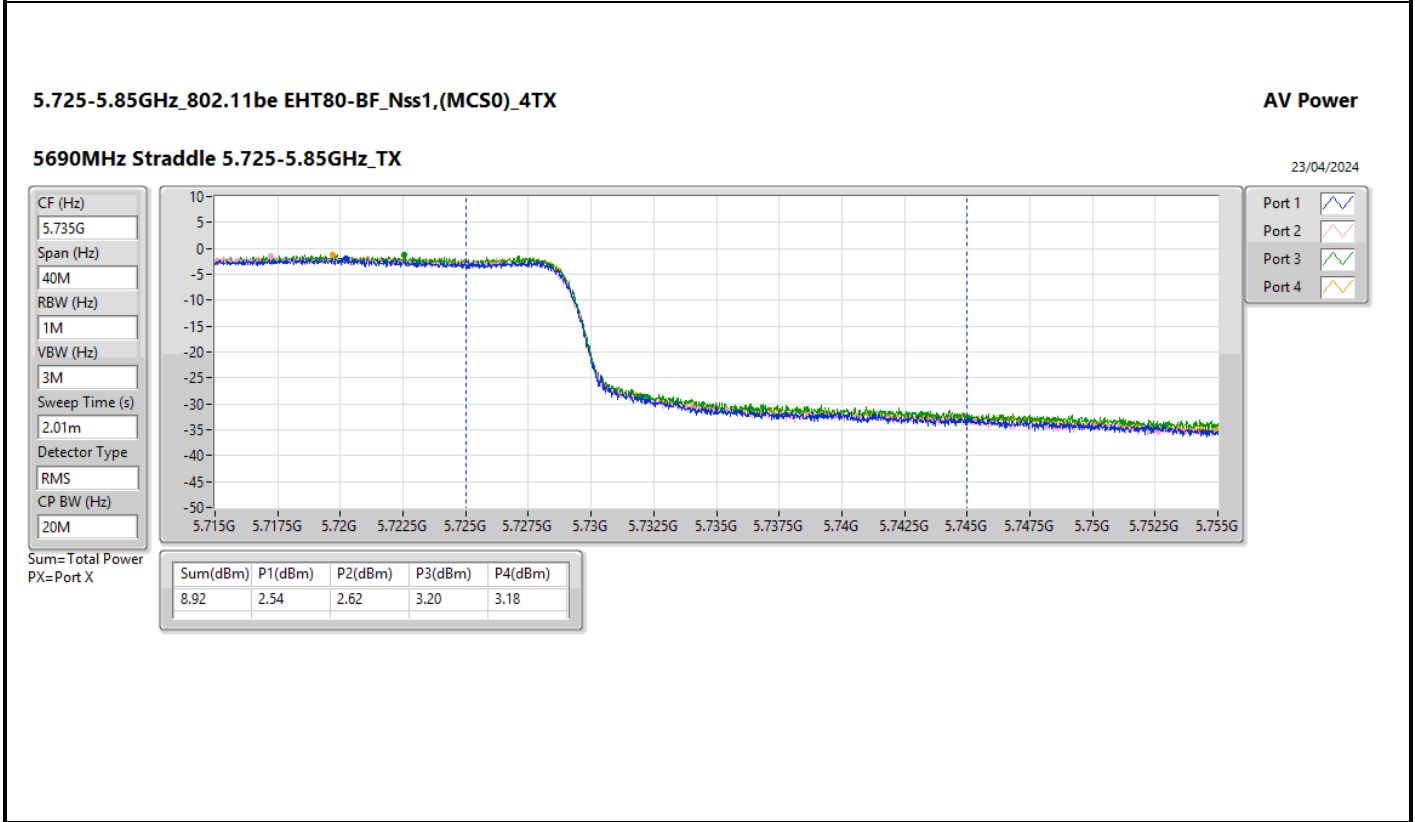
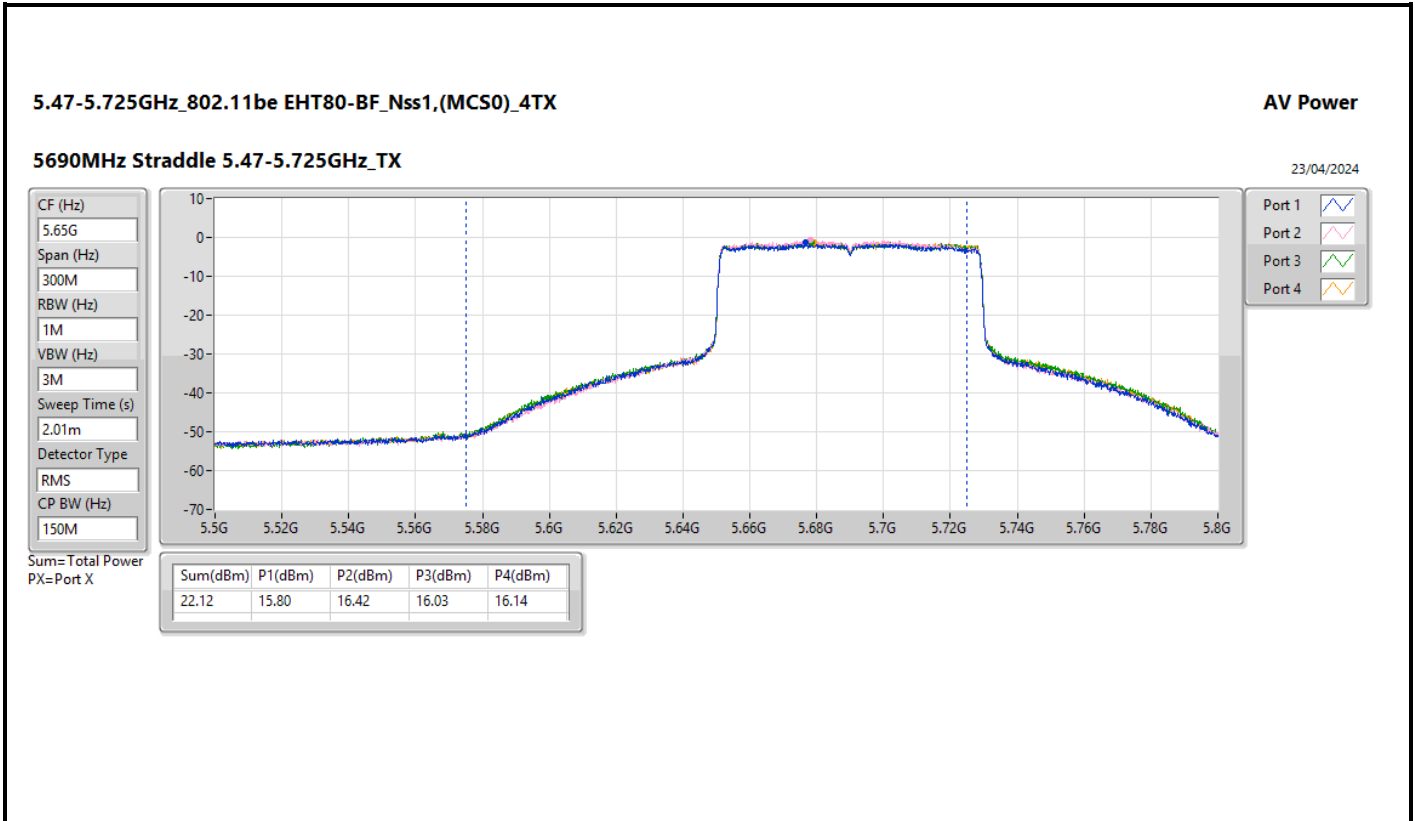
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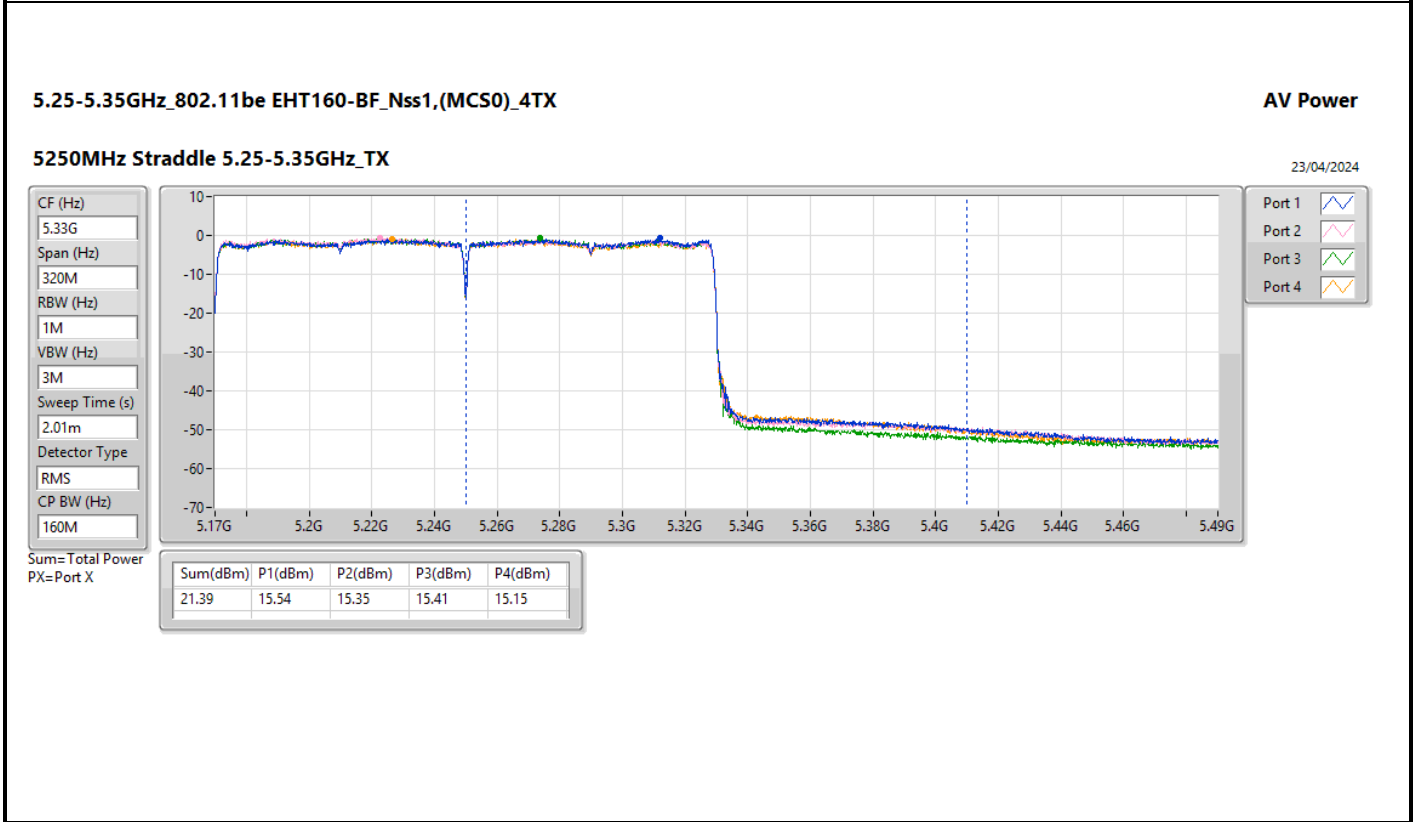
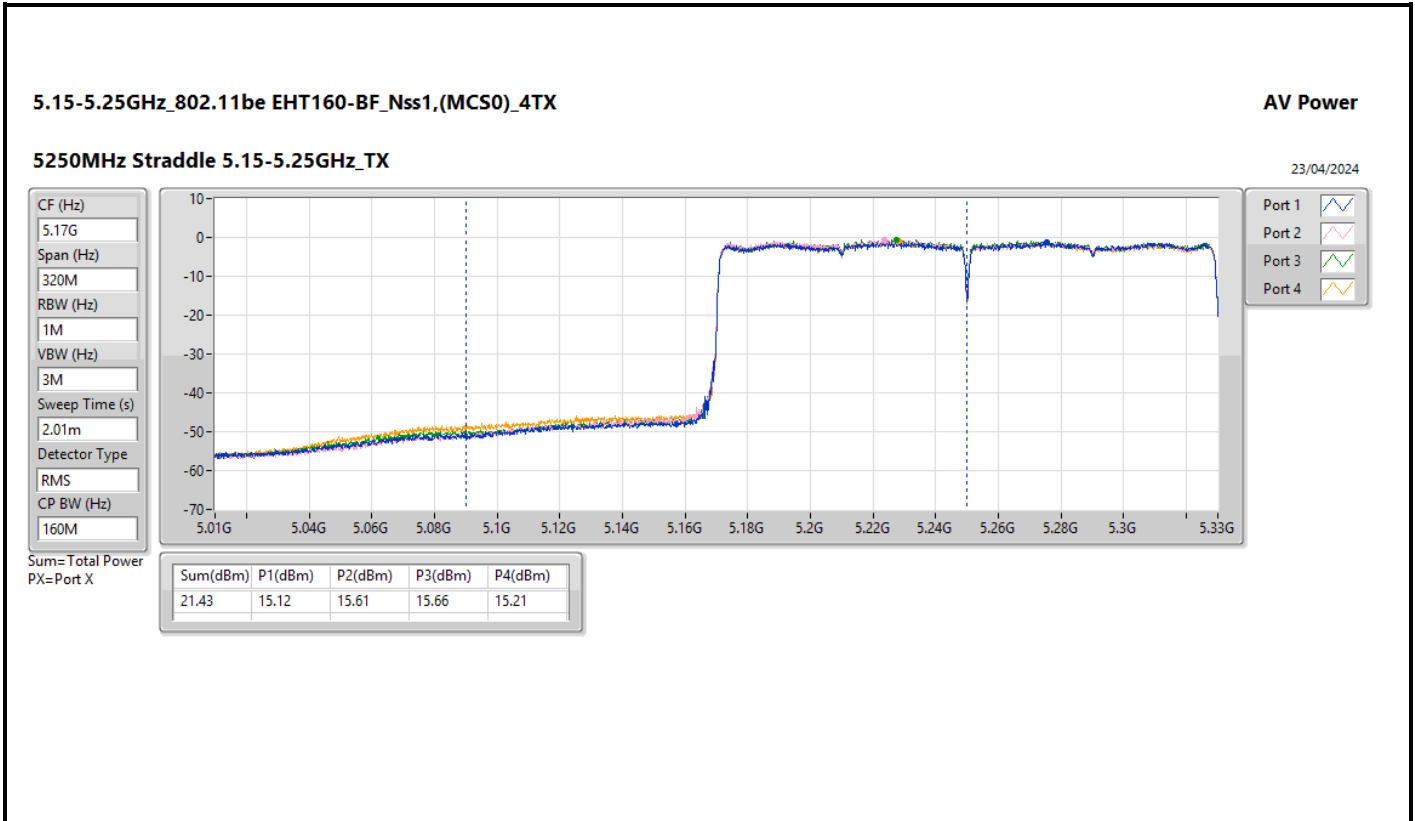
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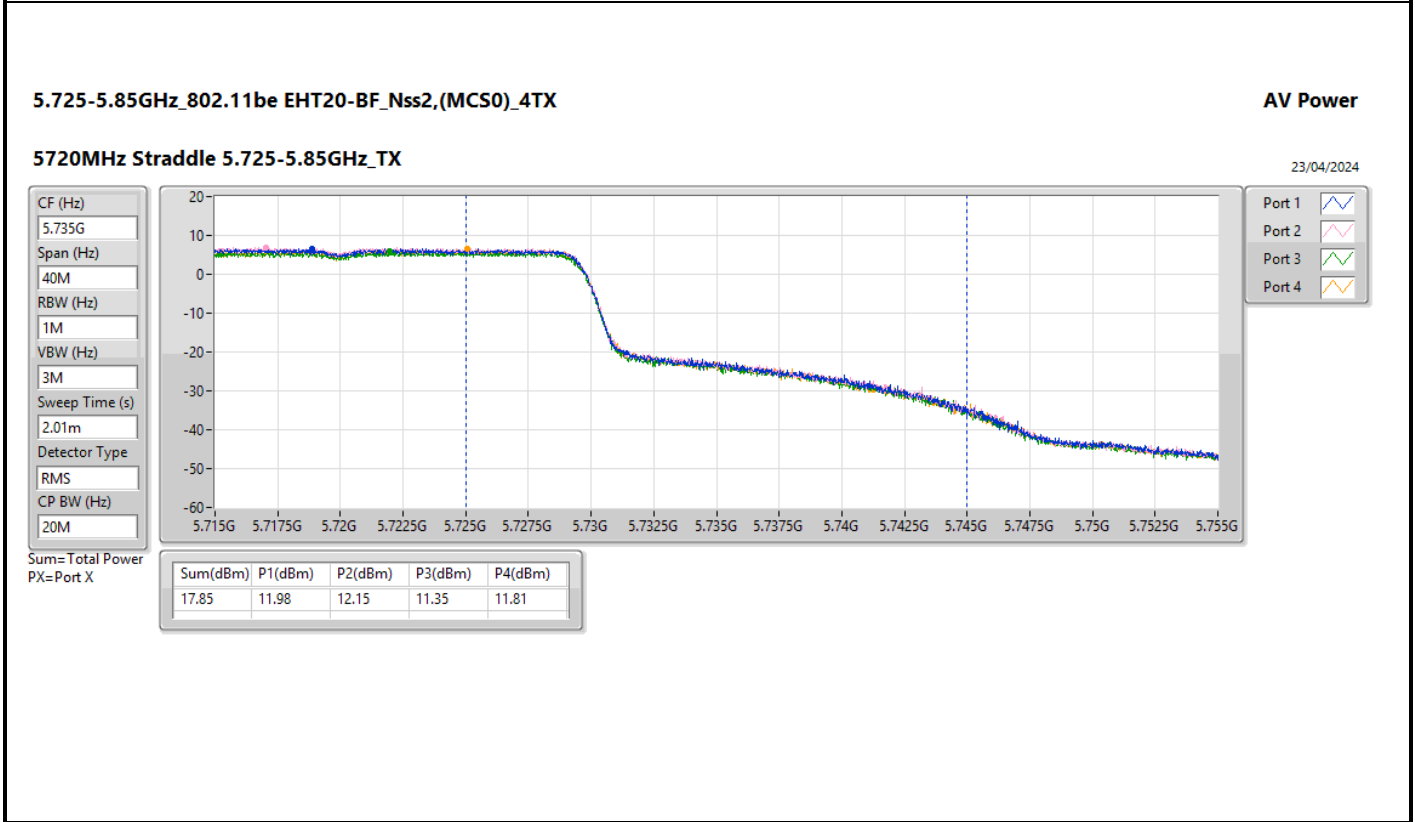
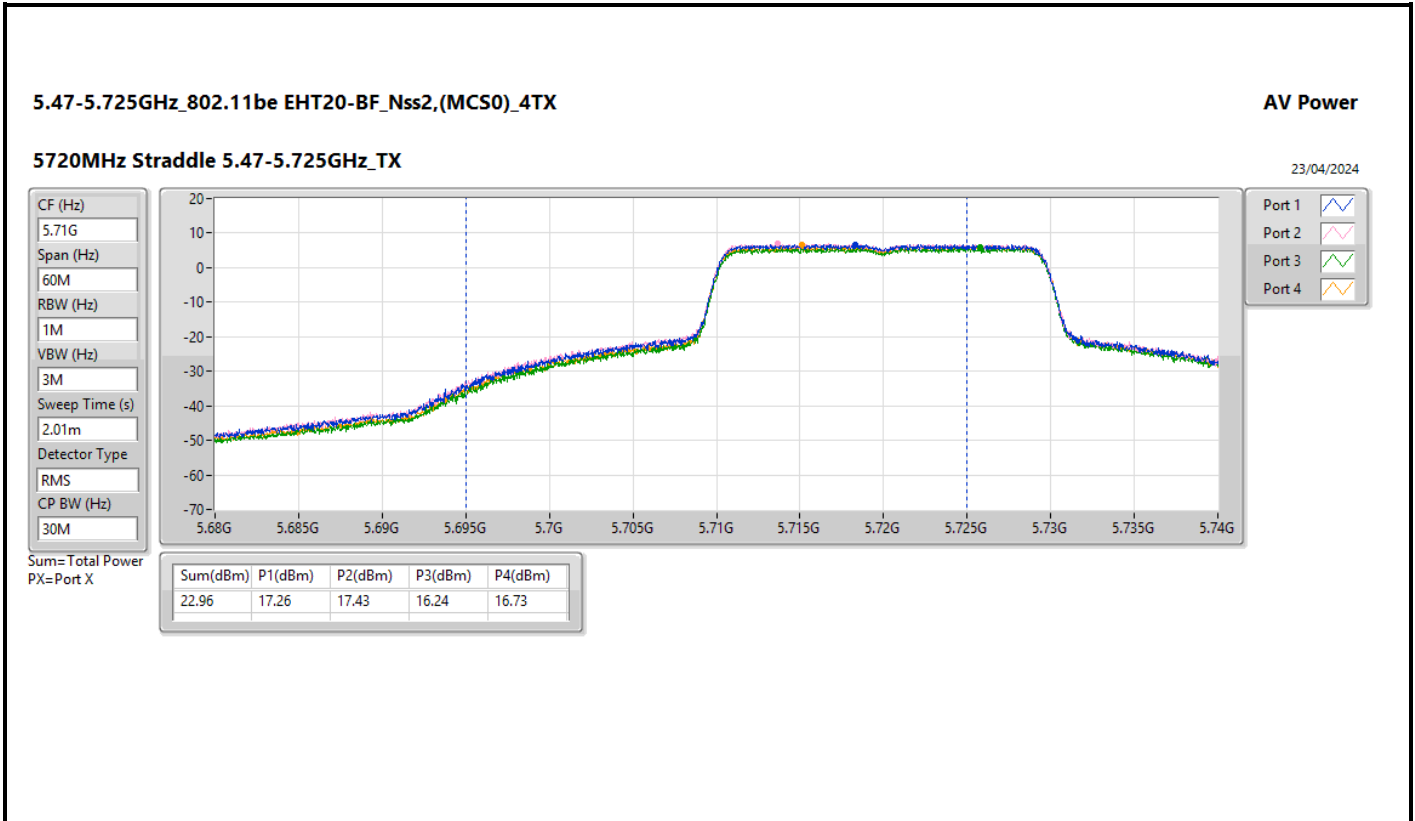
Port 4

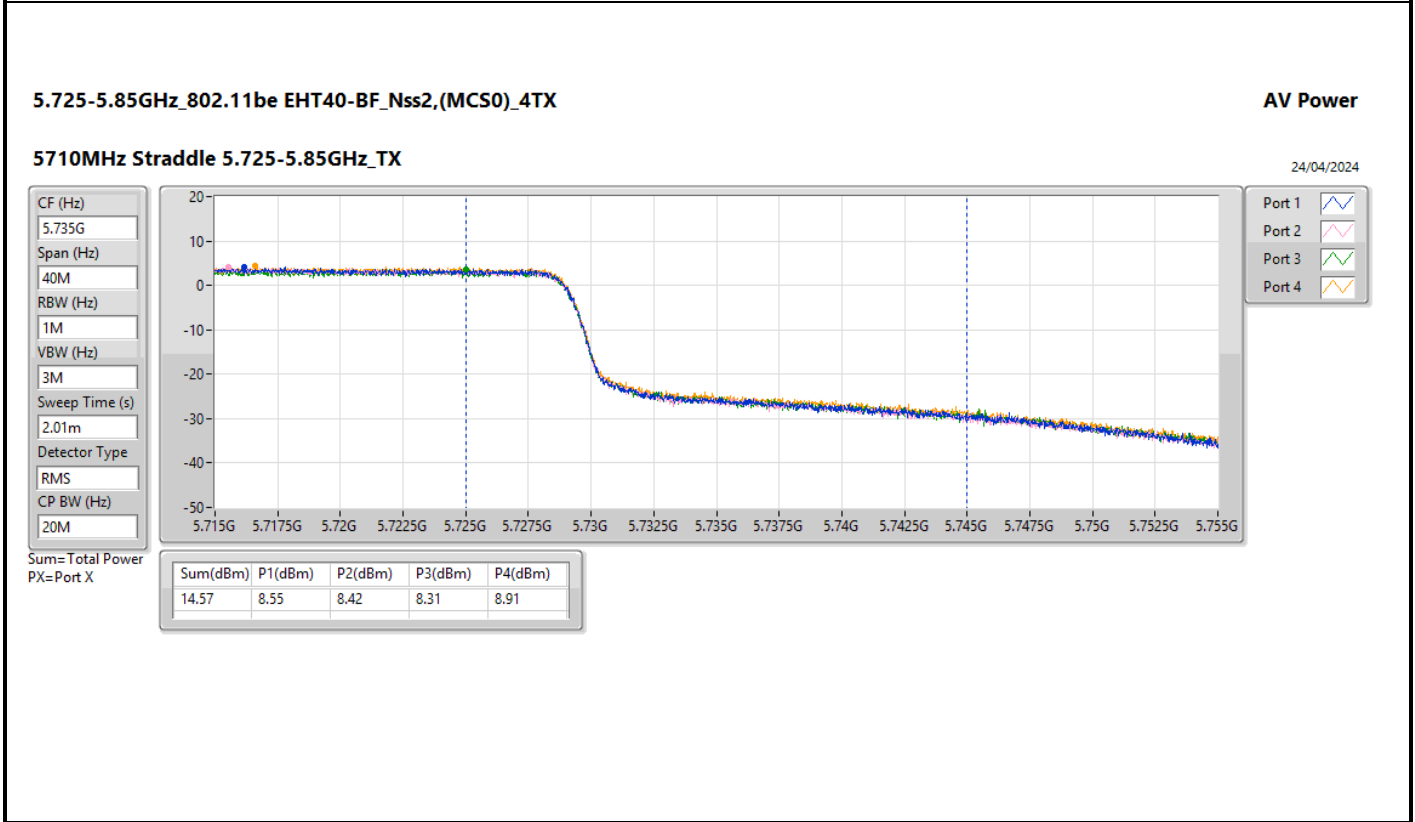
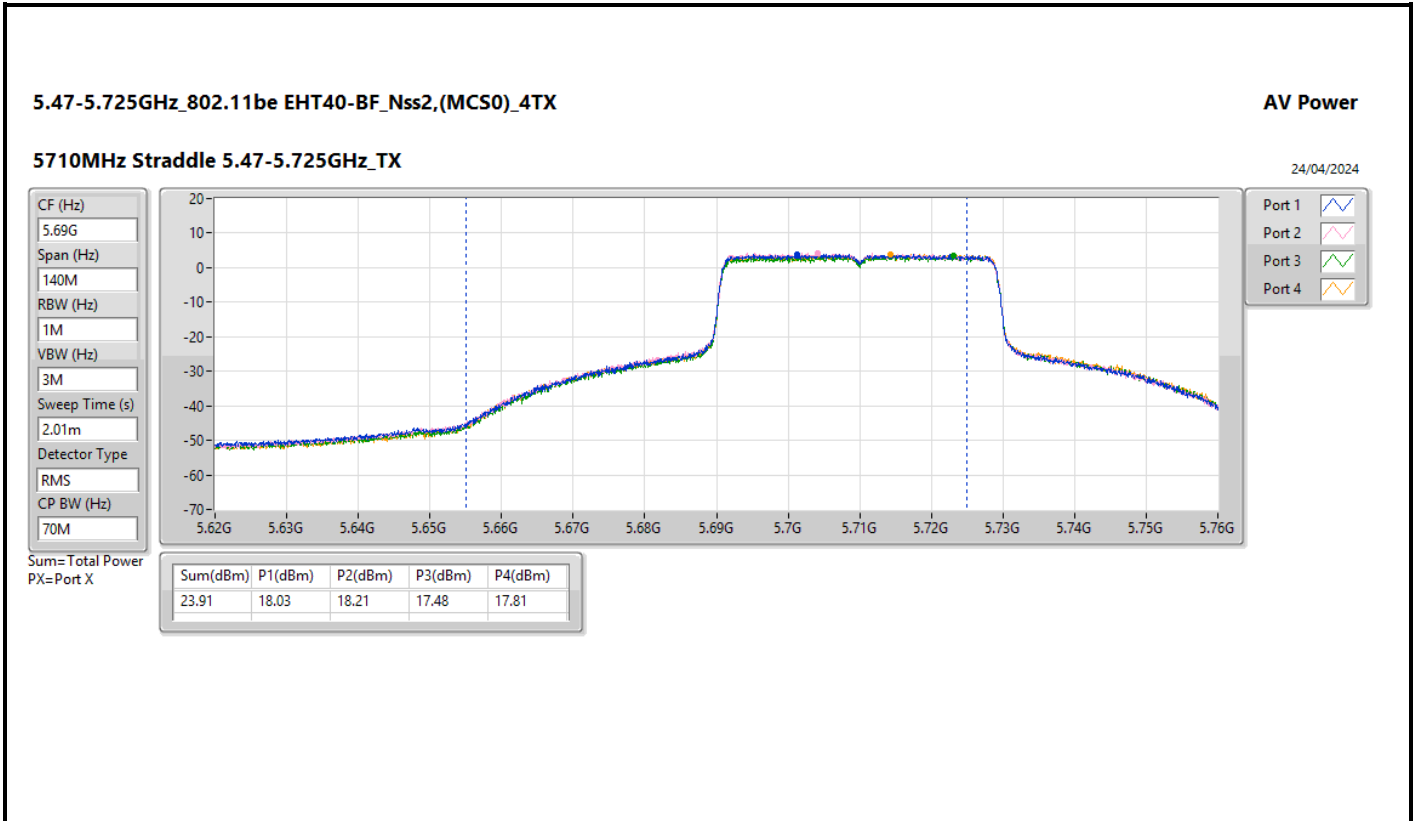




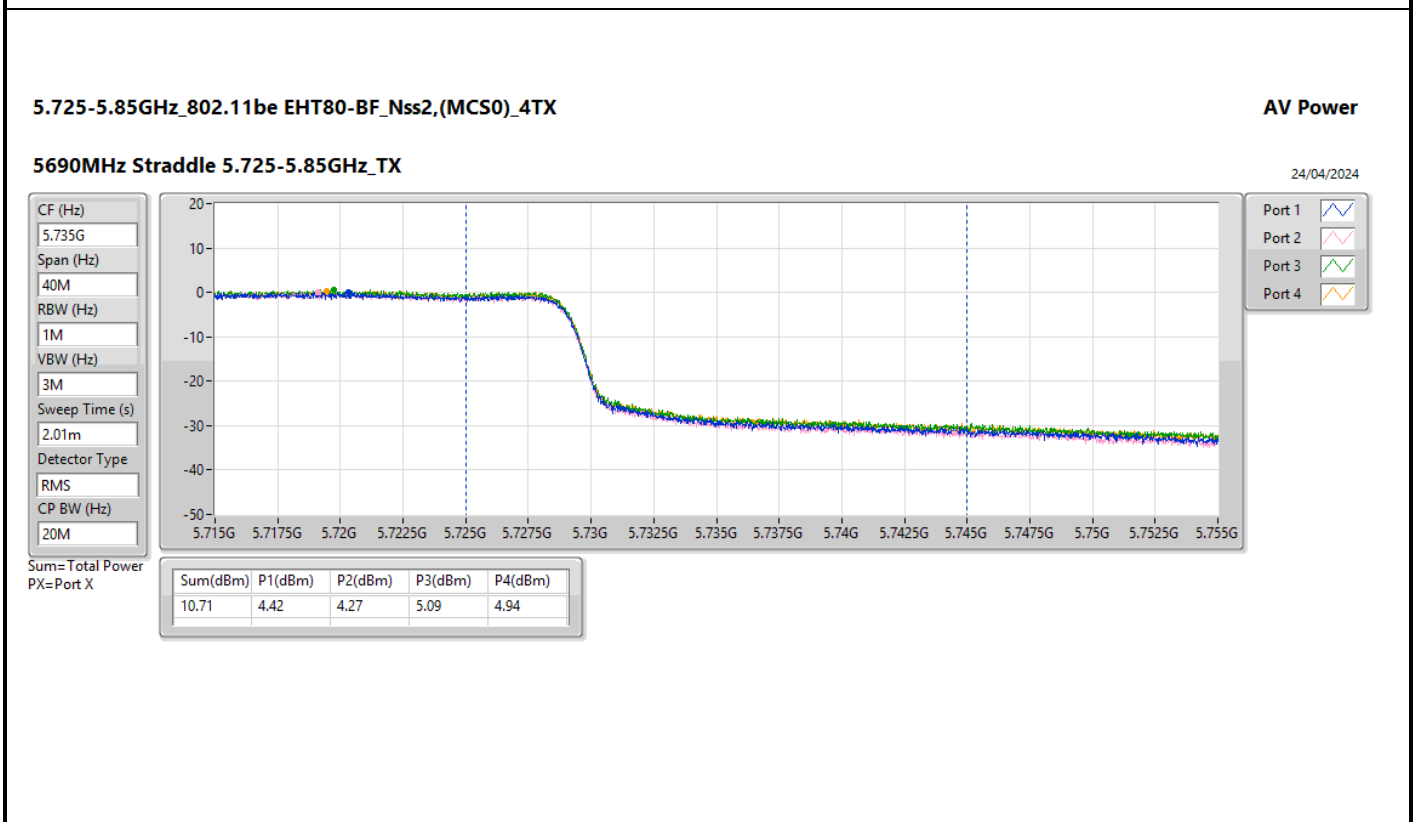
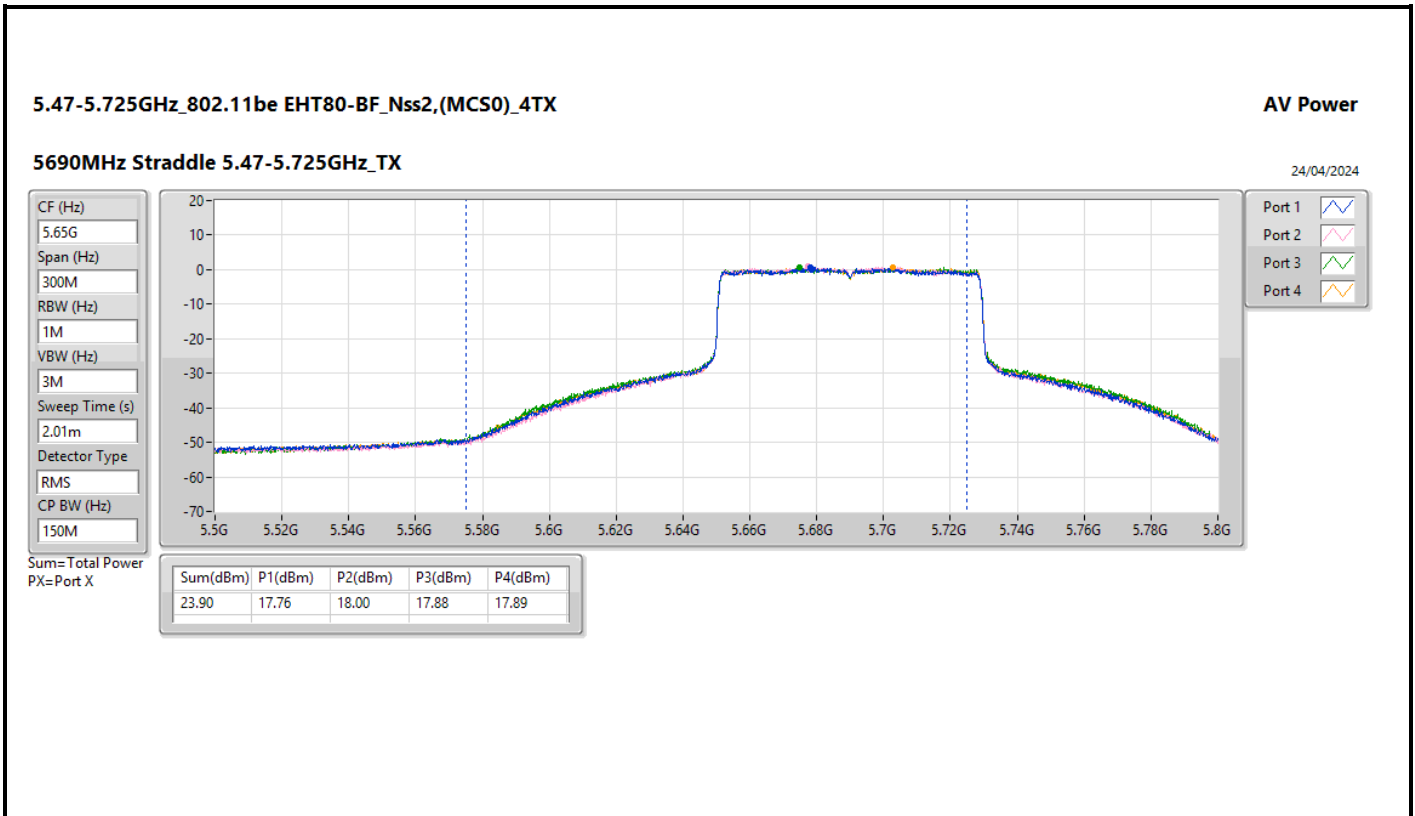


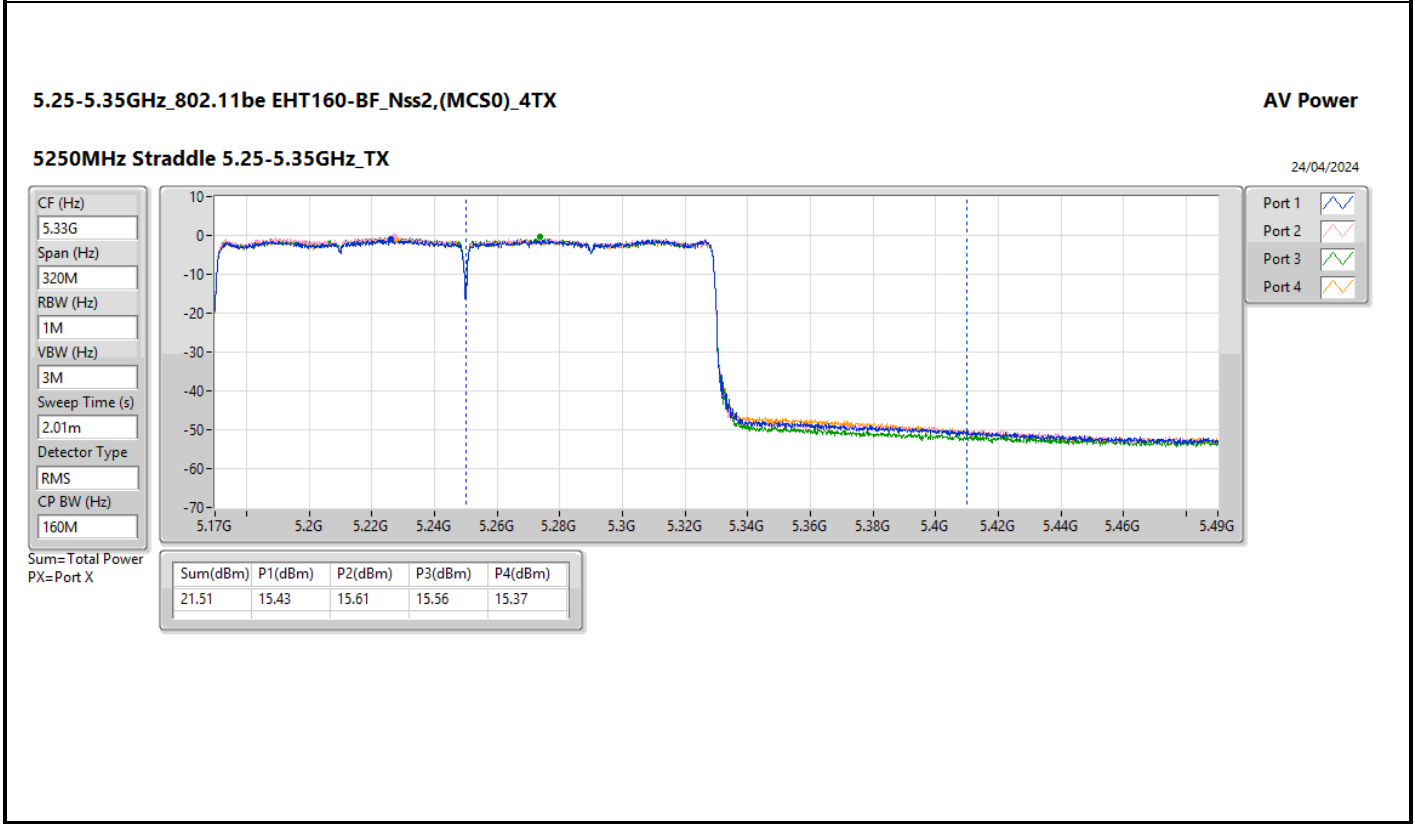
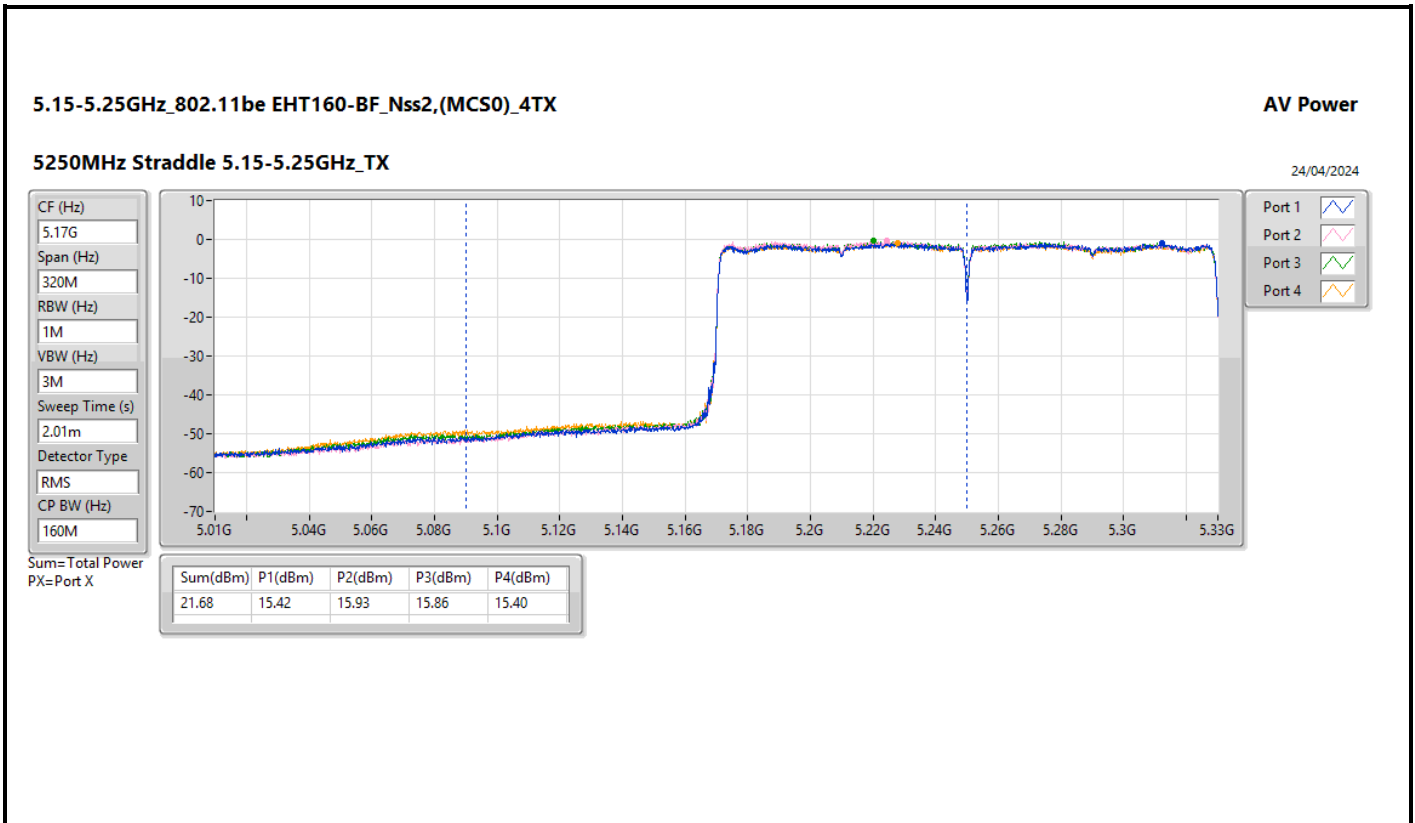












Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.47
802.11be EHT20-BF_Nss1,(MCS0)_4TX	16.01
802.11be EHT20-BF_Nss2,(MCS0)_4TX	16.13
802.11be EHT40-BF_Nss1,(MCS0)_4TX	13.01
802.11be EHT40-BF_Nss2,(MCS0)_4TX	11.33
802.11be EHT80-BF_Nss1,(MCS0)_4TX	8.23
802.11be EHT80-BF_Nss2,(MCS0)_4TX	8.69
802.11be EHT160-BF_Nss1,(MCS0)_4TX	3.02
802.11be EHT160-BF_Nss2,(MCS0)_4TX	3.28
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.39
802.11be EHT20-BF_Nss1,(MCS0)_4TX	9.87
802.11be EHT20-BF_Nss2,(MCS0)_4TX	10.01
802.11be EHT40-BF_Nss1,(MCS0)_4TX	7.01
802.11be EHT40-BF_Nss2,(MCS0)_4TX	7.02
802.11be EHT80-BF_Nss1,(MCS0)_4TX	4.32
802.11be EHT80-BF_Nss2,(MCS0)_4TX	4.69
802.11be EHT160-BF_Nss1,(MCS0)_4TX	2.92
802.11be EHT160-BF_Nss2,(MCS0)_4TX	2.94
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	9.22
802.11be EHT20-BF_Nss1,(MCS0)_4TX	8.61
802.11be EHT20-BF_Nss2,(MCS0)_4TX	10.21
802.11be EHT40-BF_Nss1,(MCS0)_4TX	6.06
802.11be EHT40-BF_Nss2,(MCS0)_4TX	7.71
802.11be EHT80-BF_Nss1,(MCS0)_4TX	2.77
802.11be EHT80-BF_Nss2,(MCS0)_4TX	5.00
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-0.06
802.11be EHT160-BF_Nss2,(MCS0)_4TX	2.31
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.02
802.11be EHT20-BF_Nss1,(MCS0)_4TX	13.20
802.11be EHT20-BF_Nss2,(MCS0)_4TX	14.75
802.11be EHT40-BF_Nss1,(MCS0)_4TX	10.21
802.11be EHT40-BF_Nss2,(MCS0)_4TX	11.66
802.11be EHT80-BF_Nss1,(MCS0)_4TX	7.57
802.11be EHT80-BF_Nss2,(MCS0)_4TX	8.77

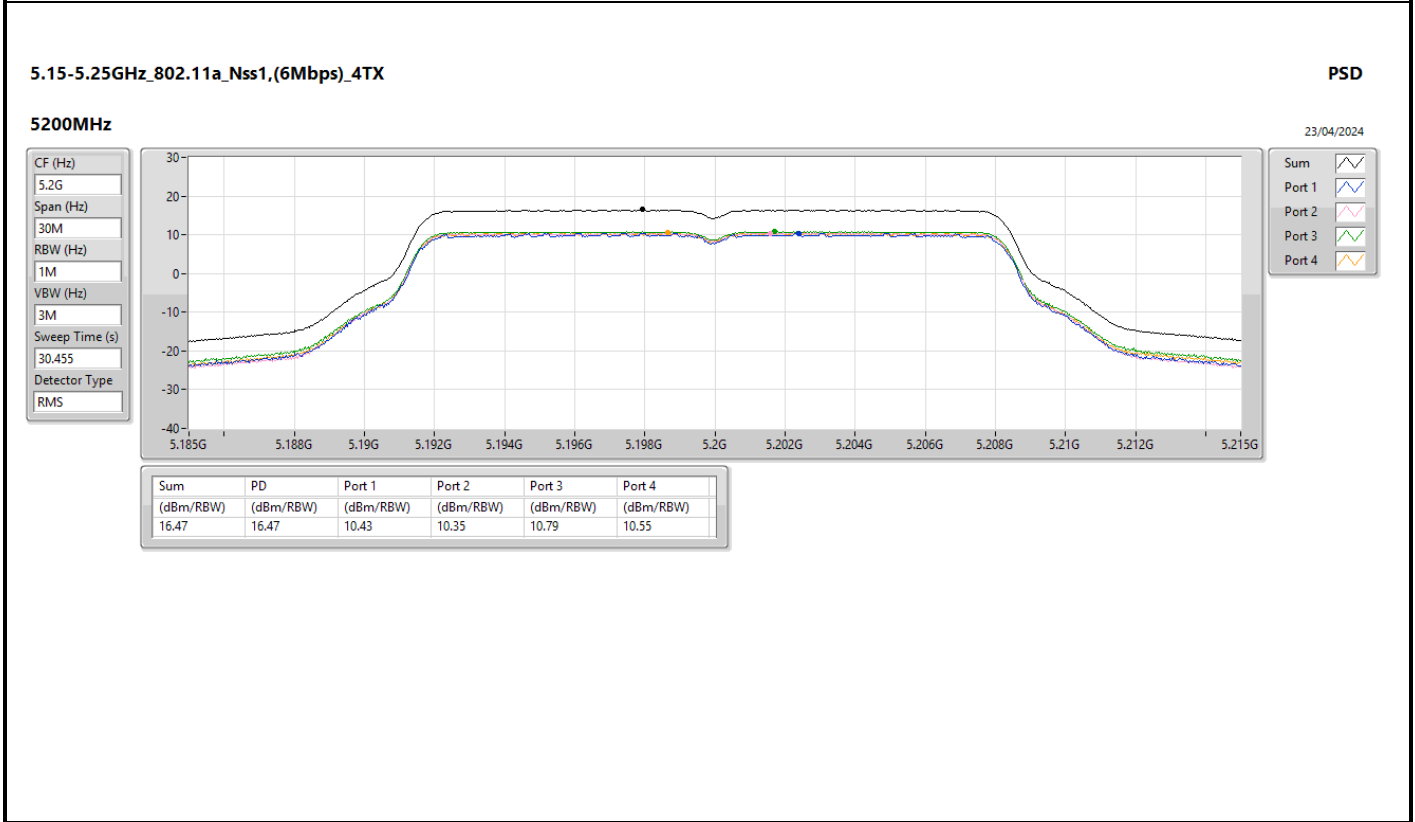
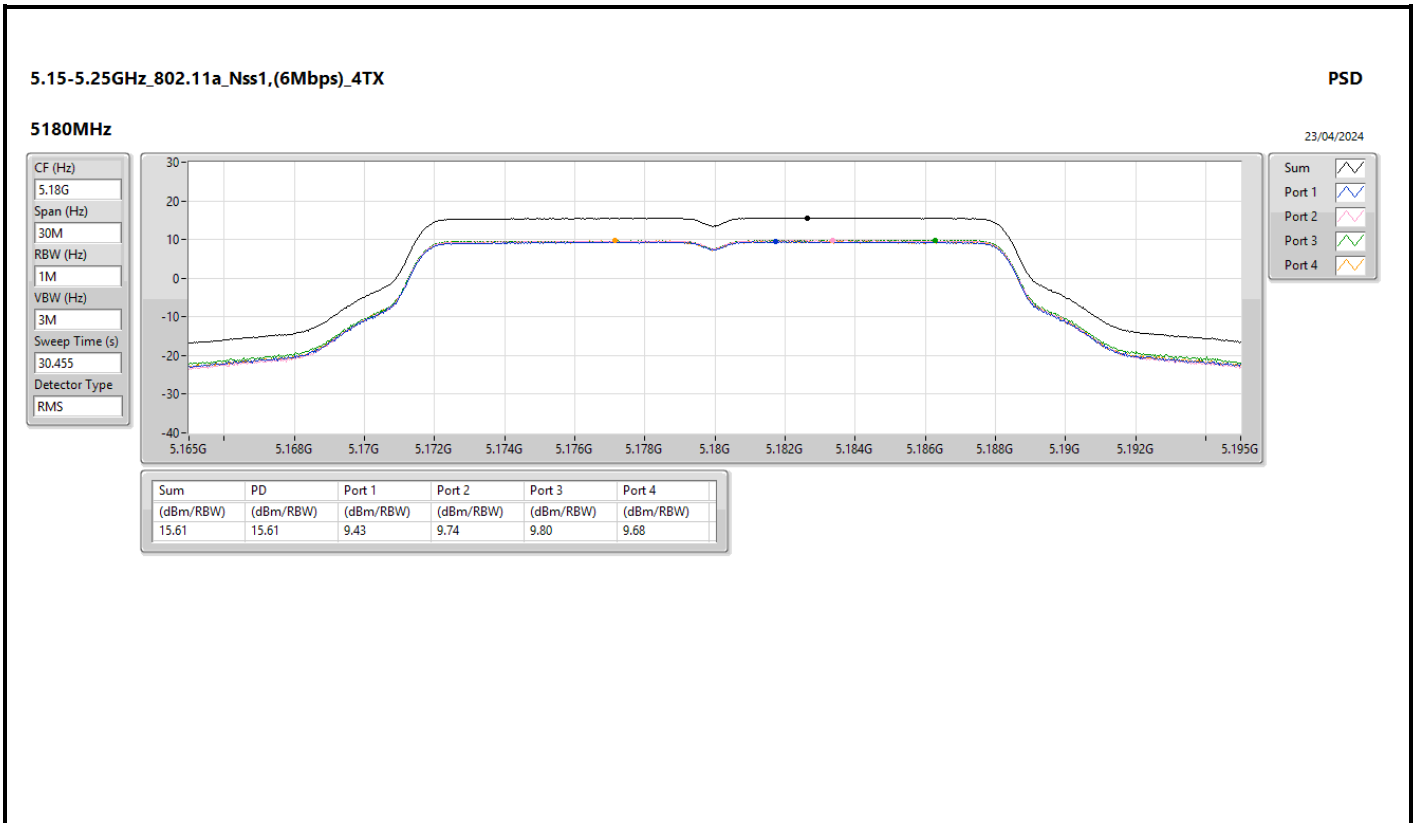
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

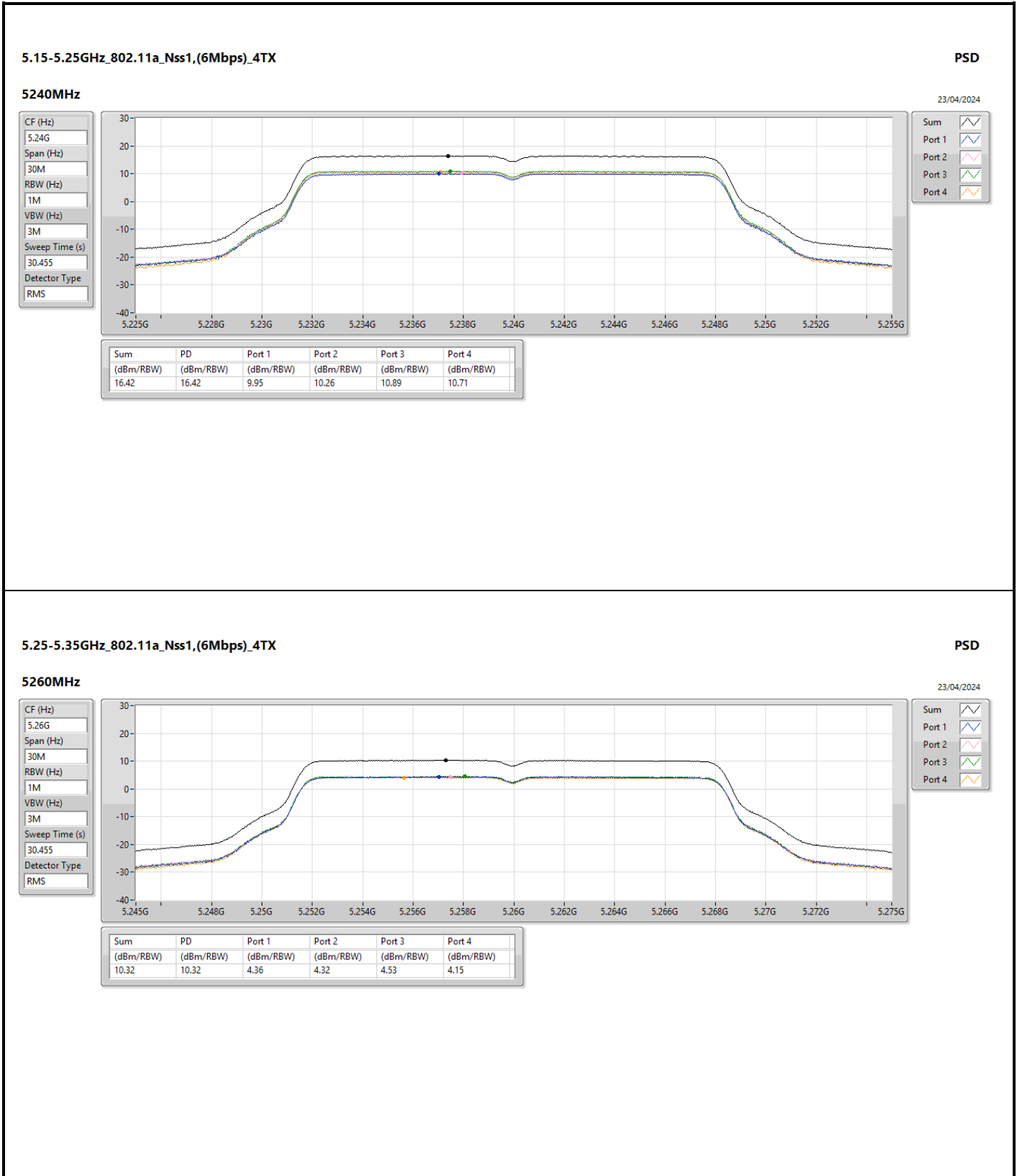
Result

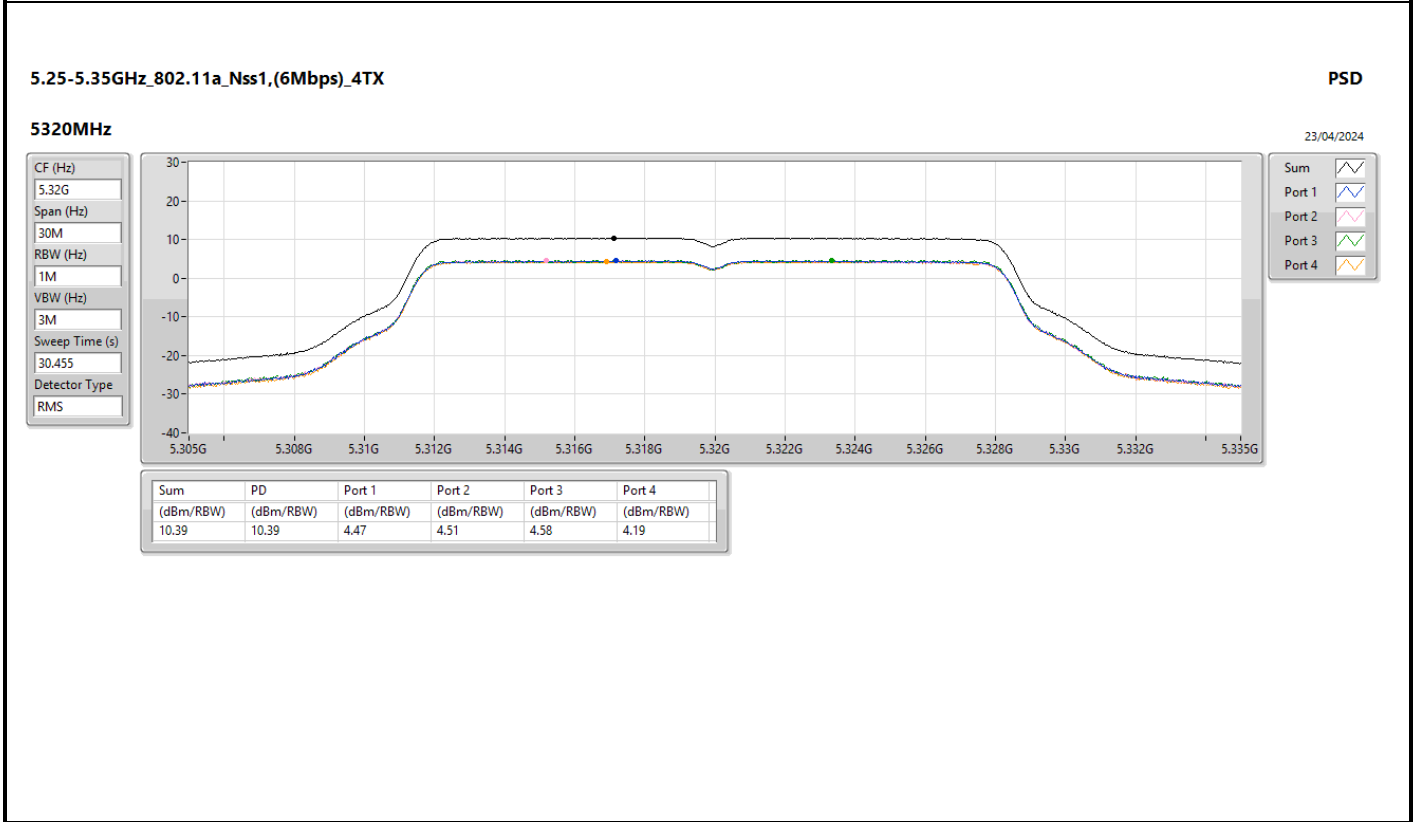
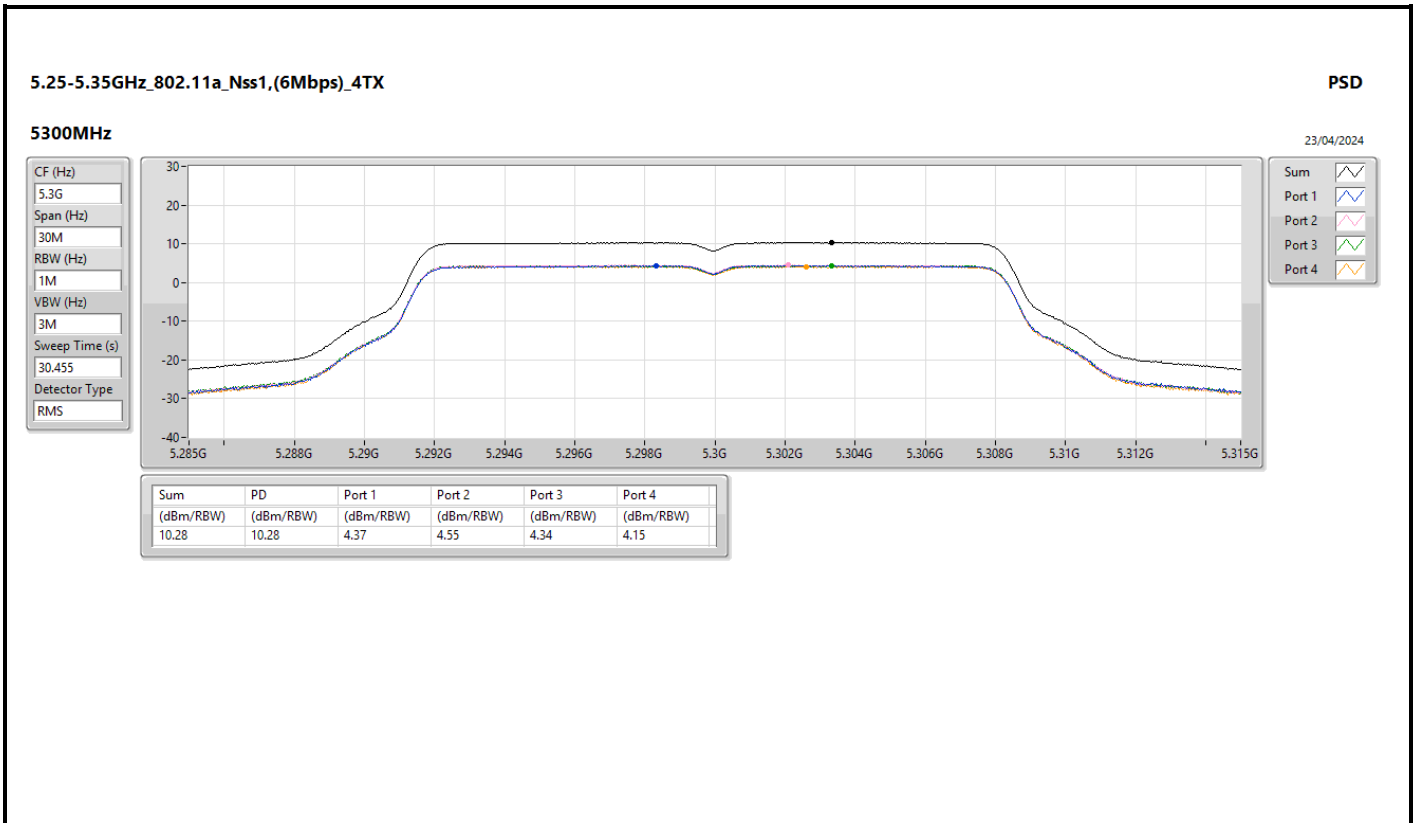
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.70	9.43	9.74	9.80	9.68	15.61	17.00
5200MHz	Pass	5.70	10.43	10.35	10.79	10.55	16.47	17.00
5240MHz	Pass	5.70	9.95	10.26	10.89	10.71	16.42	17.00
5260MHz	Pass	6.12	4.36	4.32	4.53	4.15	10.32	10.88
5300MHz	Pass	6.12	4.37	4.55	4.34	4.15	10.28	10.88
5320MHz	Pass	6.12	4.47	4.51	4.58	4.19	10.39	10.88
5500MHz	Pass	7.72	3.29	3.84	3.02	2.68	9.17	9.28
5580MHz	Pass	7.72	2.93	3.16	3.46	2.85	9.04	9.28
5700MHz	Pass	7.72	3.34	3.73	2.37	3.00	9.06	9.28
5720MHz Straddle 5.47-5.725GHz	Pass	7.72	3.38	3.69	2.73	3.26	9.22	9.28
5720MHz Straddle 5.725-5.85GHz	Pass	7.52	1.65	1.85	1.25	1.69	7.56	28.48
5745MHz	Pass	7.52	9.40	9.20	8.70	8.90	14.94	28.48
5785MHz	Pass	7.52	9.22	8.65	8.97	9.10	14.89	28.48
5825MHz	Pass	7.52	9.24	9.31	8.77	9.17	15.02	28.48
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.70	9.01	9.27	9.42	9.25	15.17	17.00
5200MHz	Pass	5.70	9.45	10.34	10.65	9.89	16.01	17.00
5240MHz	Pass	5.70	9.40	9.84	10.79	9.94	15.96	17.00
5260MHz	Pass	6.12	4.07	3.91	4.03	3.64	9.81	10.88
5300MHz	Pass	6.12	4.05	4.14	3.88	3.59	9.83	10.88
5320MHz	Pass	6.12	3.88	3.96	4.26	3.62	9.87	10.88
5500MHz	Pass	7.72	2.04	3.06	2.43	1.89	8.27	9.28
5580MHz	Pass	7.72	2.05	2.17	2.74	1.87	8.14	9.28
5700MHz	Pass	7.72	2.42	2.88	1.71	1.83	8.14	9.28
5720MHz Straddle 5.47-5.725GHz	Pass	7.72	2.80	3.26	2.40	2.51	8.61	9.28
5720MHz Straddle 5.725-5.85GHz	Pass	7.52	1.46	1.54	0.80	1.05	7.17	28.48
5745MHz	Pass	7.52	7.39	7.14	6.82	6.90	12.97	28.48
5785MHz	Pass	7.52	7.16	6.75	6.95	7.02	12.90	28.48
5825MHz	Pass	7.52	7.23	7.72	6.92	7.47	13.20	28.48
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.70	6.41	6.84	6.82	6.13	12.49	17.00
5230MHz	Pass	5.70	6.80	7.20	7.34	6.99	13.01	17.00
5270MHz	Pass	6.12	1.06	0.77	1.25	0.48	6.82	10.88
5310MHz	Pass	6.12	1.25	1.07	1.25	0.76	7.01	10.88
5510MHz	Pass	7.72	-0.65	0.02	-0.44	-0.71	5.43	9.28
5550MHz	Pass	7.72	-0.98	-0.88	-0.49	-0.80	5.13	9.28
5670MHz	Pass	7.72	-0.76	-0.58	-0.79	-0.70	5.25	9.28
5710MHz Straddle 5.47-5.725GHz	Pass	7.72	0.24	0.51	-0.18	0.01	6.06	9.28
5710MHz Straddle 5.725-5.85GHz	Pass	7.52	-1.74	-1.64	-2.01	-1.67	4.21	28.48
5755MHz	Pass	7.52	4.21	4.04	4.28	4.58	10.21	28.48
5795MHz	Pass	7.52	3.87	3.71	4.31	4.24	9.98	28.48
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.70	2.38	2.34	2.30	1.97	8.23	17.00
5290MHz	Pass	6.12	-1.72	-1.49	-1.46	-1.74	4.32	10.88
5530MHz	Pass	7.72	-3.50	-2.65	-2.89	-3.32	2.77	9.28
5610MHz	Pass	7.72	-3.82	-3.76	-2.42	-3.11	2.63	9.28
5690MHz Straddle 5.47-5.725GHz	Pass	7.72	-3.57	-2.89	-3.17	-3.28	2.77	9.28
5690MHz Straddle 5.725-5.85GHz	Pass	7.52	-5.81	-5.90	-5.24	-5.27	0.46	28.48
5775MHz	Pass	7.52	1.73	1.25	1.58	1.90	7.57	28.48
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.70	-3.27	-2.75	-2.70	-2.99	3.02	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	6.12	-3.04	-3.03	-2.70	-3.00	2.92	10.88
5570MHz	Pass	7.72	-6.24	-5.27	-5.82	-6.14	-0.06	9.28
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
5180MHz	Pass	3.69	9.83	9.94	10.36	9.95	15.98	17.00
5200MHz	Pass	3.69	9.59	10.17	10.80	10.27	16.13	17.00
5240MHz	Pass	3.69	9.50	9.96	10.97	10.10	16.12	17.00
5260MHz	Pass	3.93	4.27	3.99	4.04	3.78	9.98	11.00
5300MHz	Pass	3.93	4.16	4.10	4.26	3.67	10.01	11.00
5320MHz	Pass	3.93	4.19	4.12	4.25	3.62	9.99	11.00
5500MHz	Pass	4.72	4.04	4.61	3.86	3.53	9.96	11.00
5580MHz	Pass	4.72	3.79	3.94	4.40	3.62	9.89	11.00
5700MHz	Pass	4.72	4.40	4.75	3.56	3.94	10.16	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.72	4.52	4.70	3.77	4.16	10.21	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.52	2.90	3.18	2.21	2.63	8.68	30.00
5745MHz	Pass	4.52	8.92	8.80	8.45	8.33	14.59	30.00
5785MHz	Pass	4.52	8.59	8.31	8.67	8.76	14.51	30.00
5825MHz	Pass	4.52	8.89	9.01	8.60	8.85	14.75	30.00
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.69	5.19	5.55	5.66	5.11	11.32	17.00
5230MHz	Pass	3.69	5.09	5.50	5.59	5.31	11.33	17.00
5270MHz	Pass	3.93	1.18	0.92	1.45	0.73	7.02	11.00
5310MHz	Pass	3.93	1.09	0.92	1.10	0.55	6.89	11.00
5510MHz	Pass	4.72	0.88	1.31	0.78	0.81	6.86	11.00
5550MHz	Pass	4.72	0.77	0.86	1.11	1.04	6.90	11.00
5670MHz	Pass	4.72	1.05	0.95	0.84	1.09	6.93	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.72	1.85	2.06	1.33	1.97	7.71	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.52	0.14	-0.07	-0.27	0.36	6.00	30.00
5755MHz	Pass	4.52	5.74	5.37	5.90	5.76	11.66	30.00
5795MHz	Pass	4.52	5.46	5.14	5.66	6.06	11.51	30.00
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.69	2.69	2.82	2.81	2.64	8.69	17.00
5290MHz	Pass	3.93	-1.25	-1.06	-0.86	-1.54	4.69	11.00
5530MHz	Pass	4.72	-1.19	-0.52	-1.00	-1.42	4.88	11.00
5610MHz	Pass	4.72	-1.31	-1.54	-0.23	-0.79	5.00	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.72	-1.48	-1.29	-1.39	-1.50	4.57	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.52	-3.99	-4.13	-3.34	-3.49	2.27	30.00
5775MHz	Pass	4.52	3.03	2.31	2.85	3.01	8.77	30.00
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.69	-3.06	-2.41	-2.56	-2.77	3.28	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.93	-3.13	-2.98	-2.88	-3.12	2.94	11.00
5570MHz	Pass	4.72	-3.72	-2.88	-3.44	-3.72	2.31	11.00

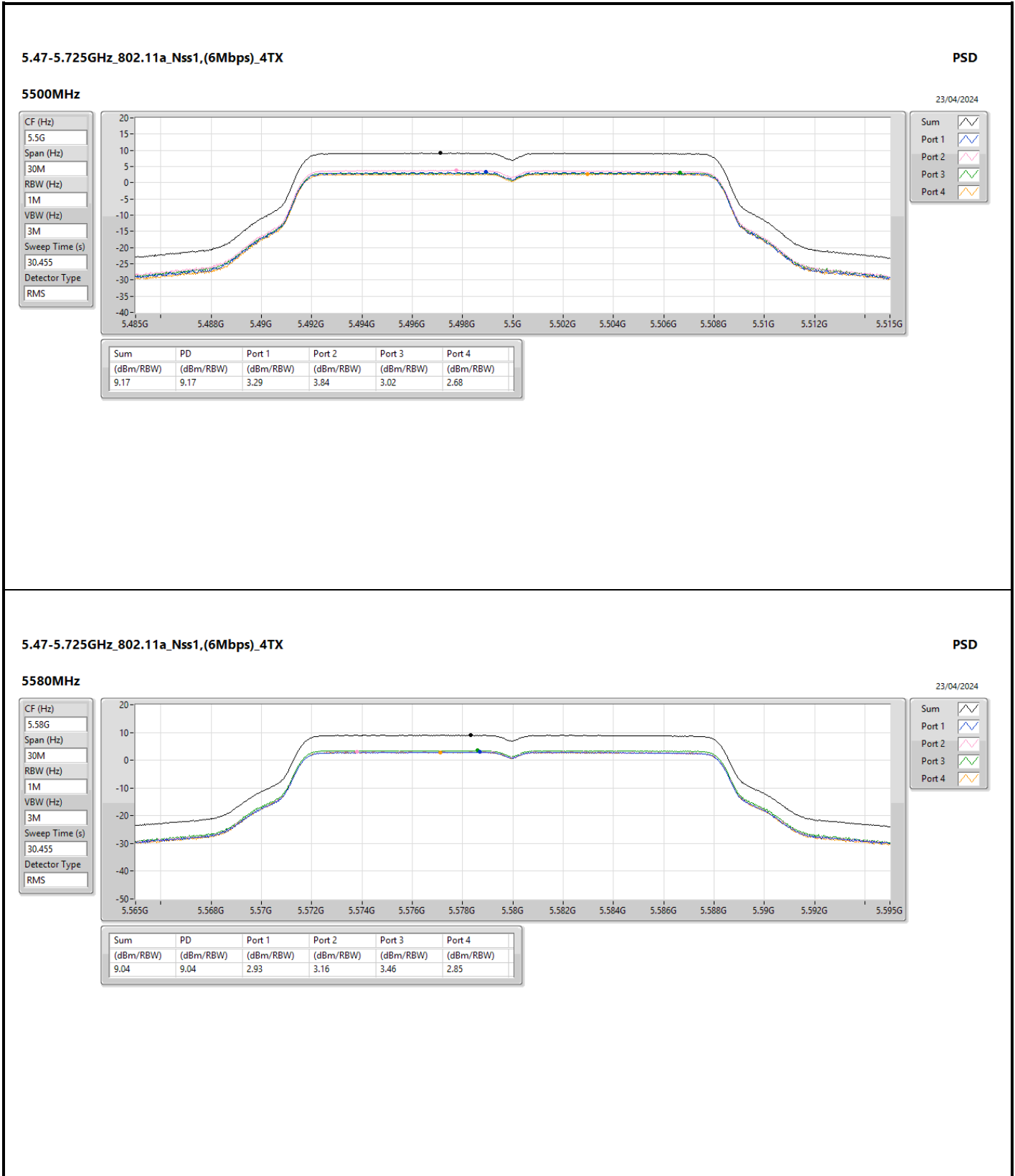
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

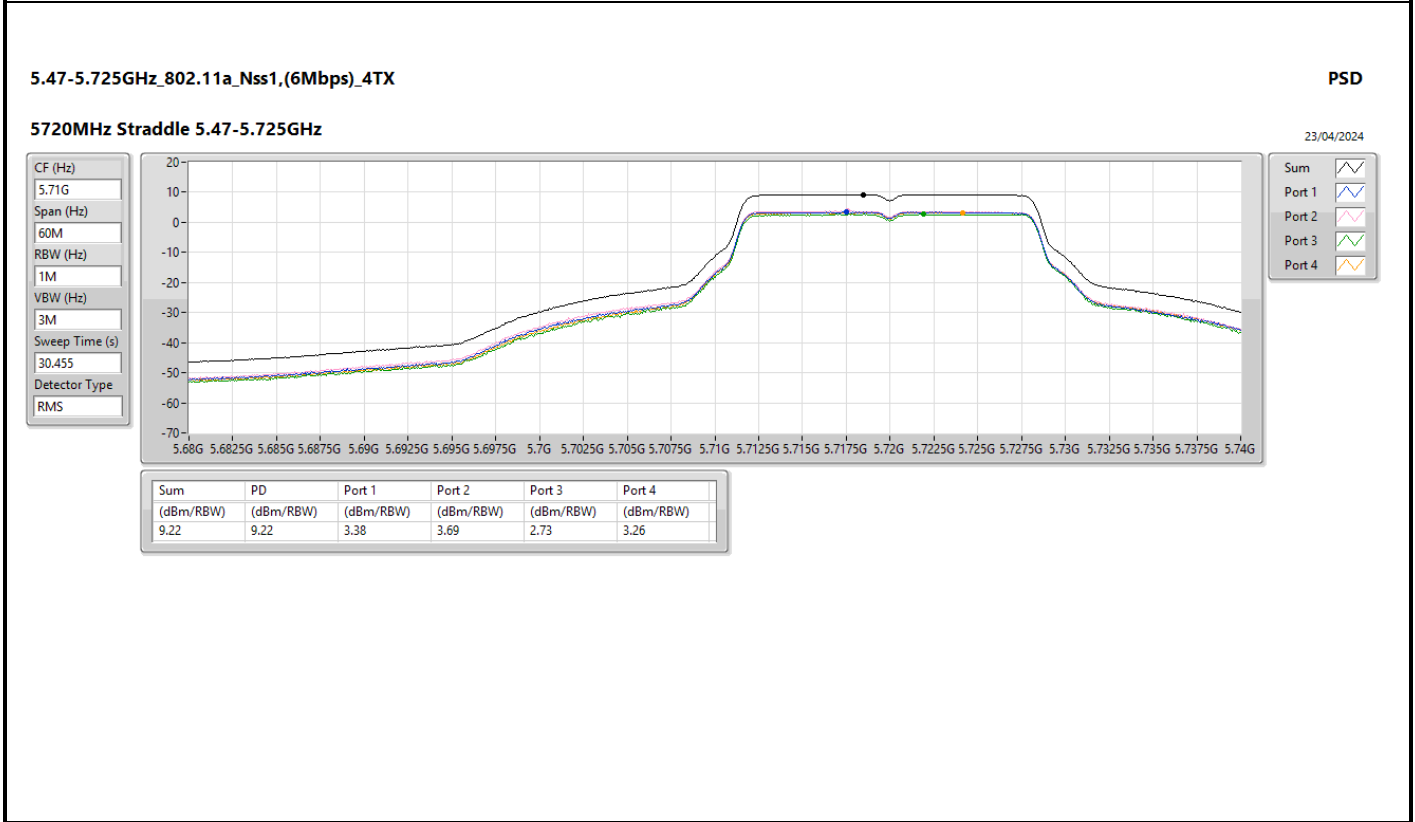
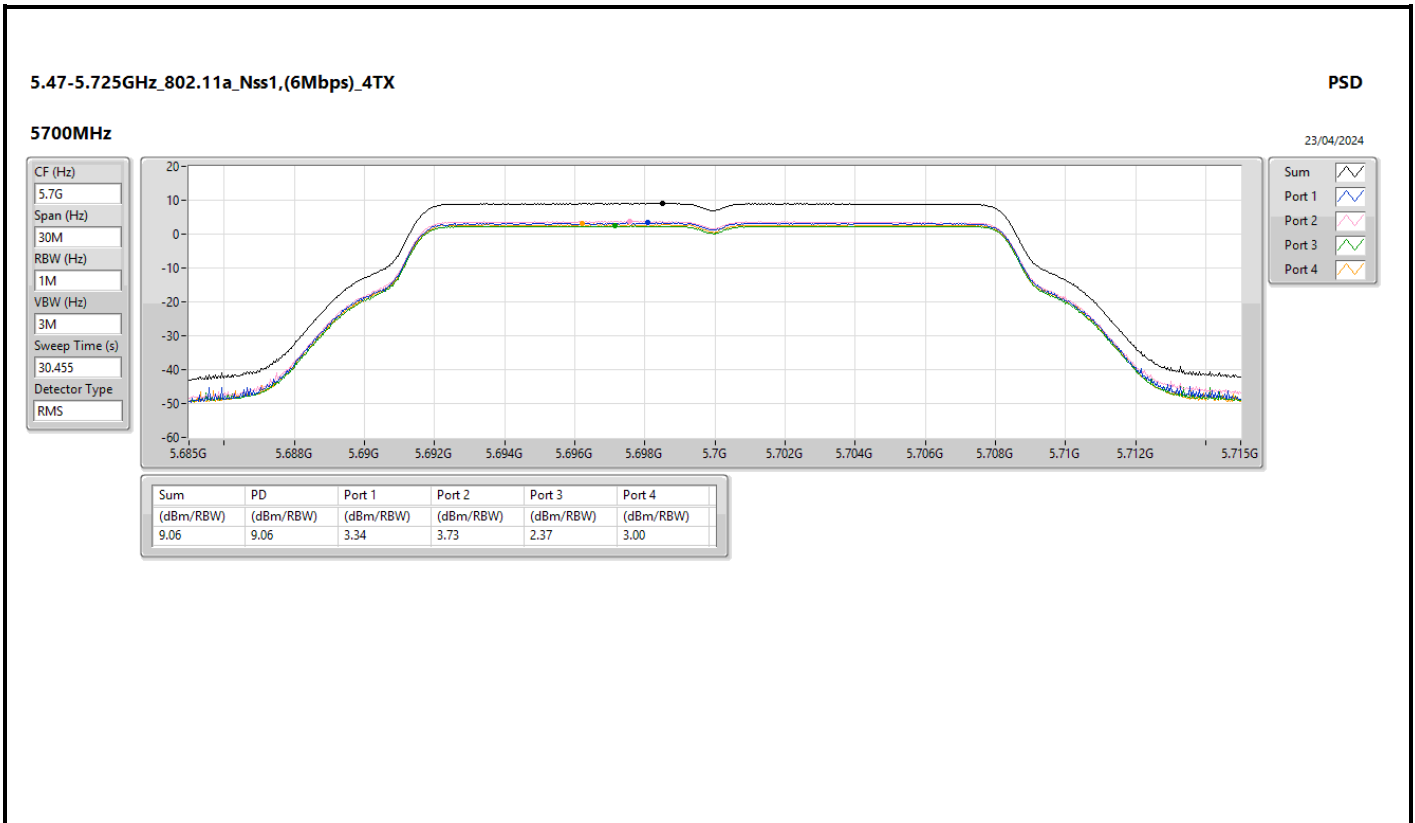


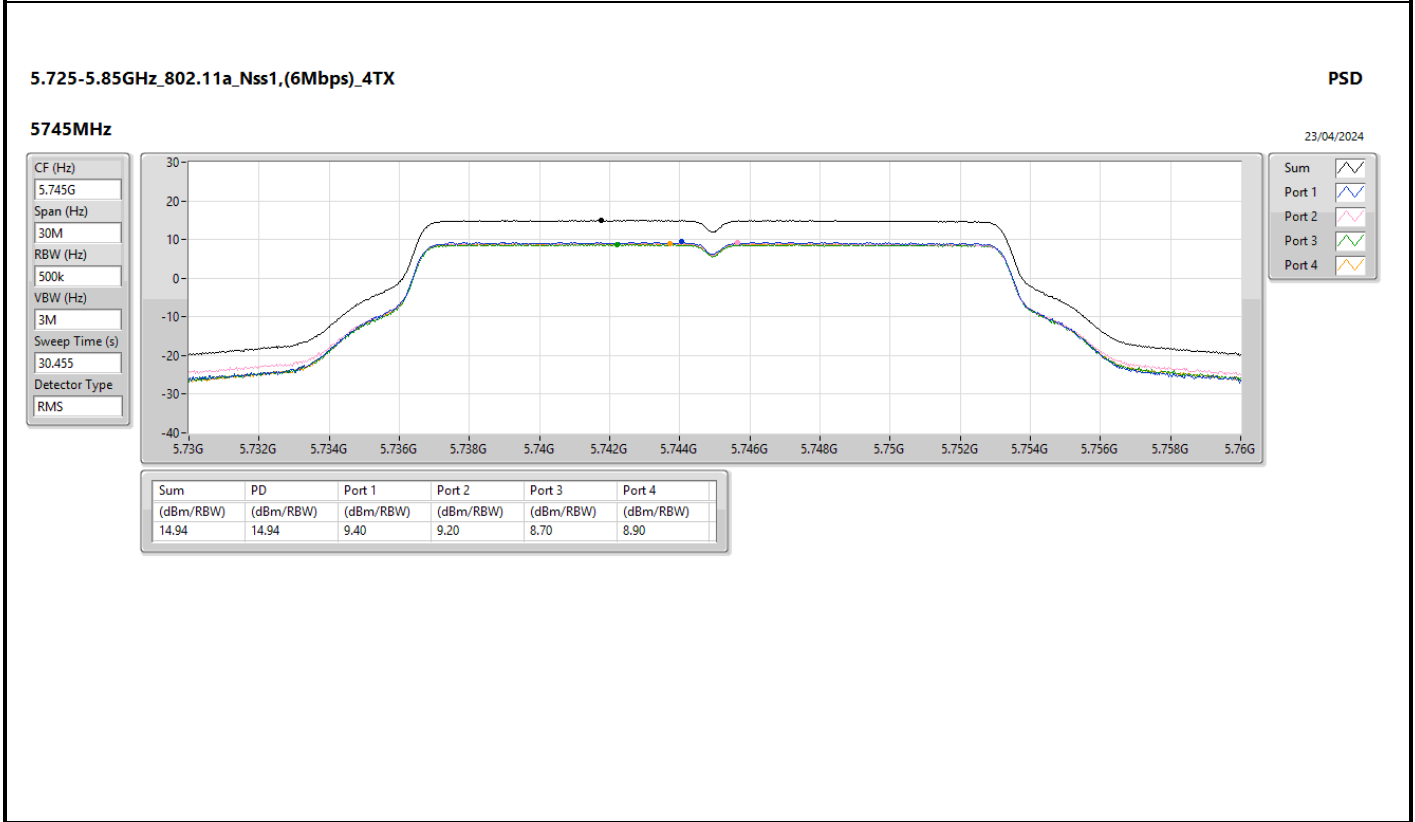
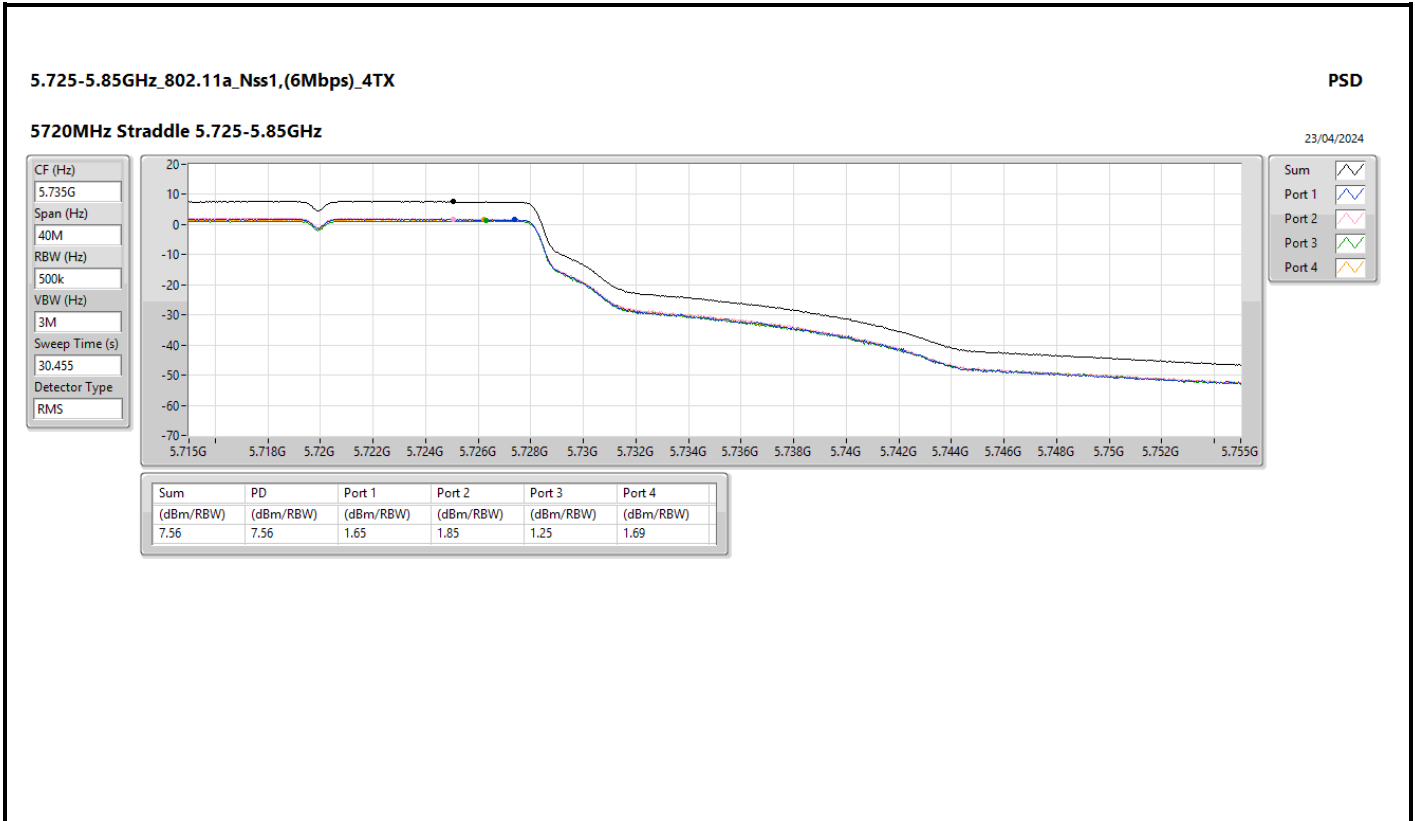


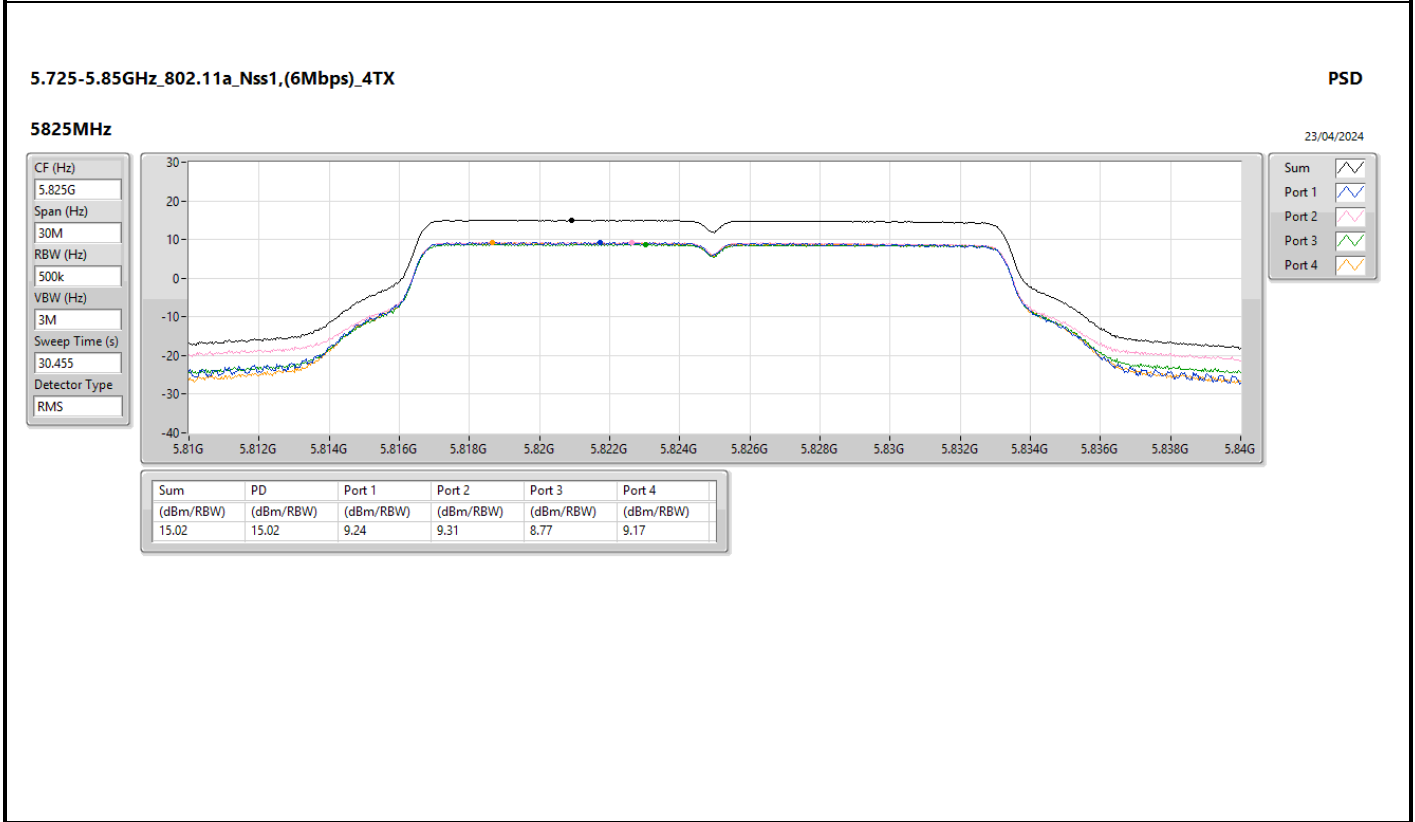
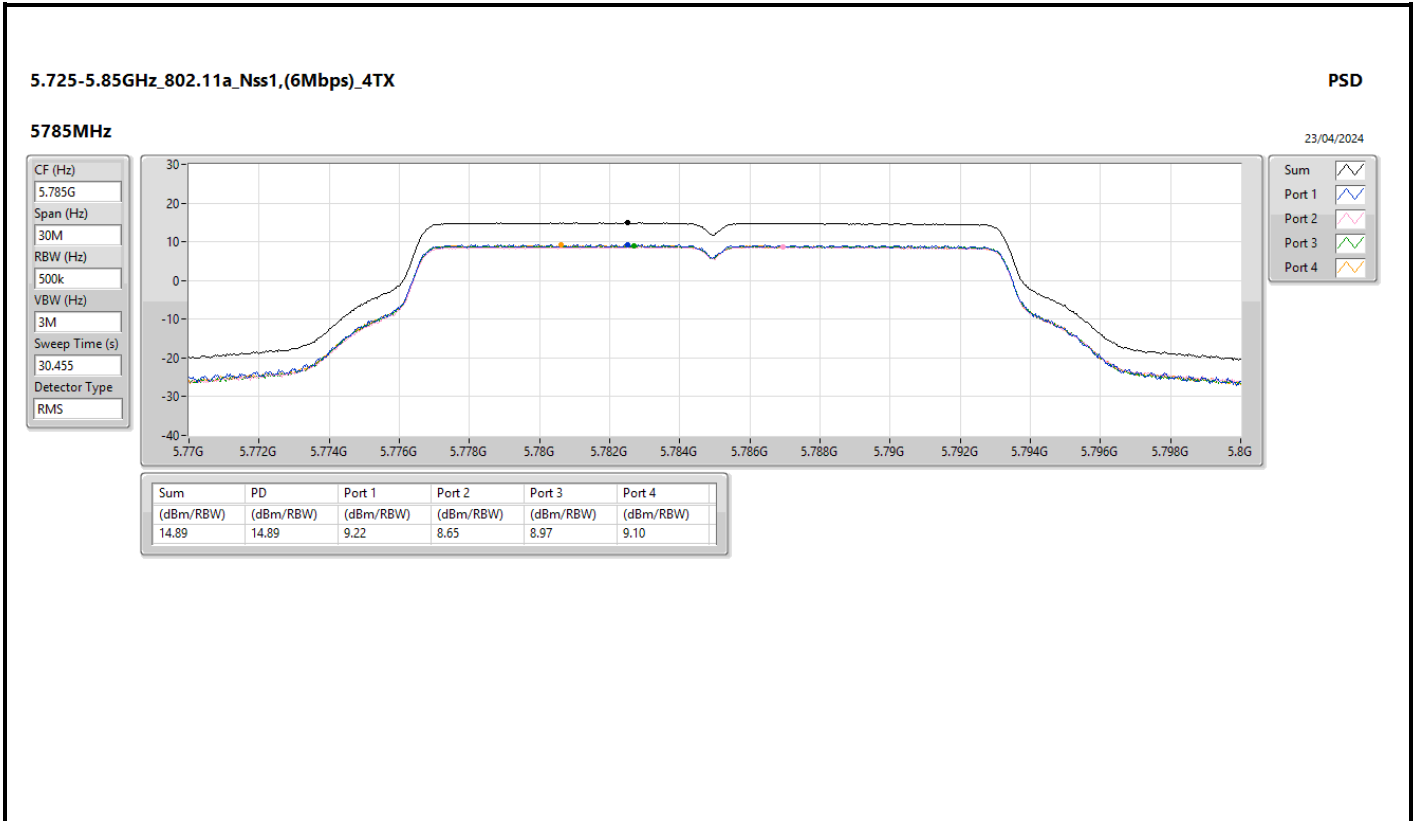


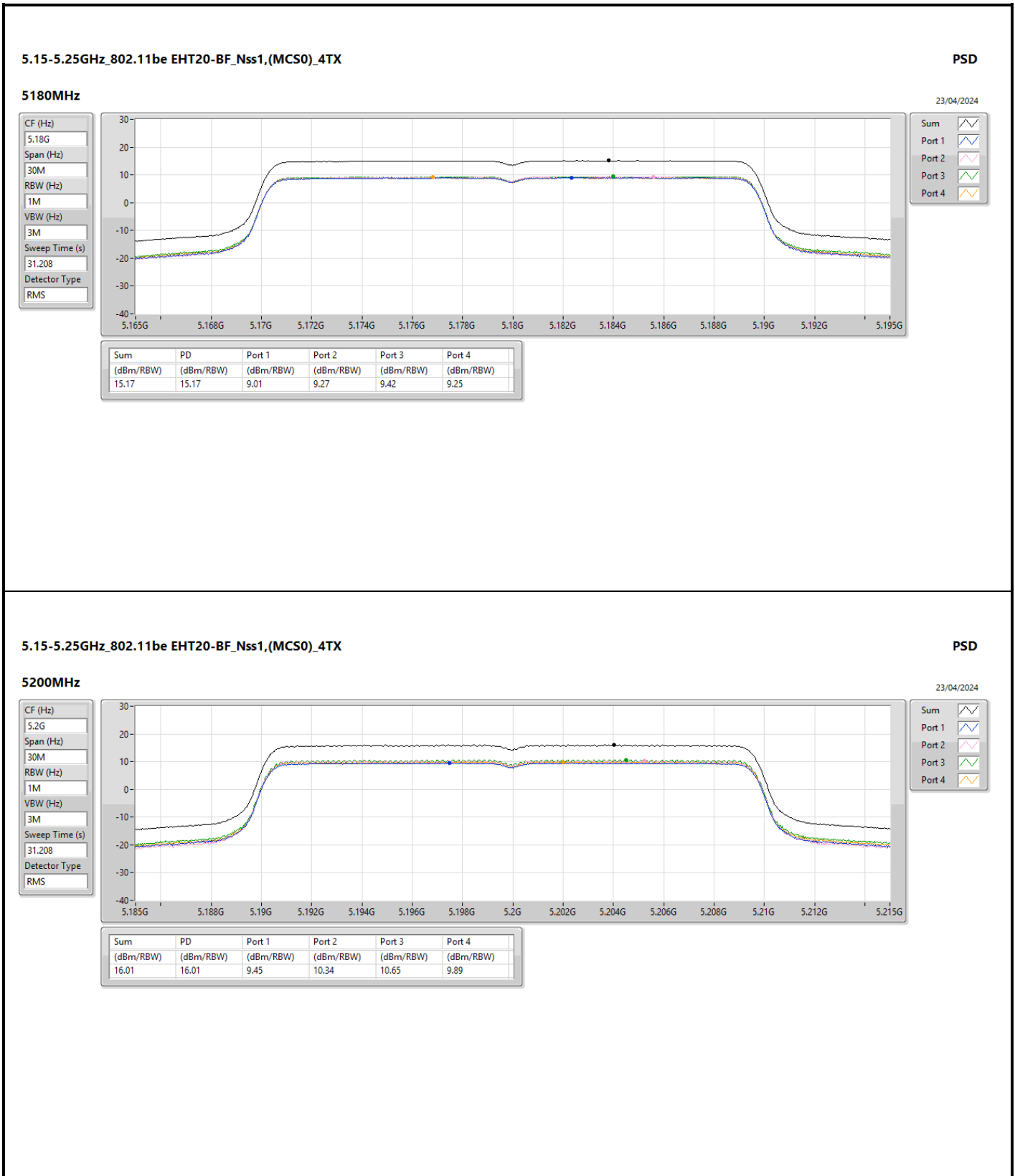


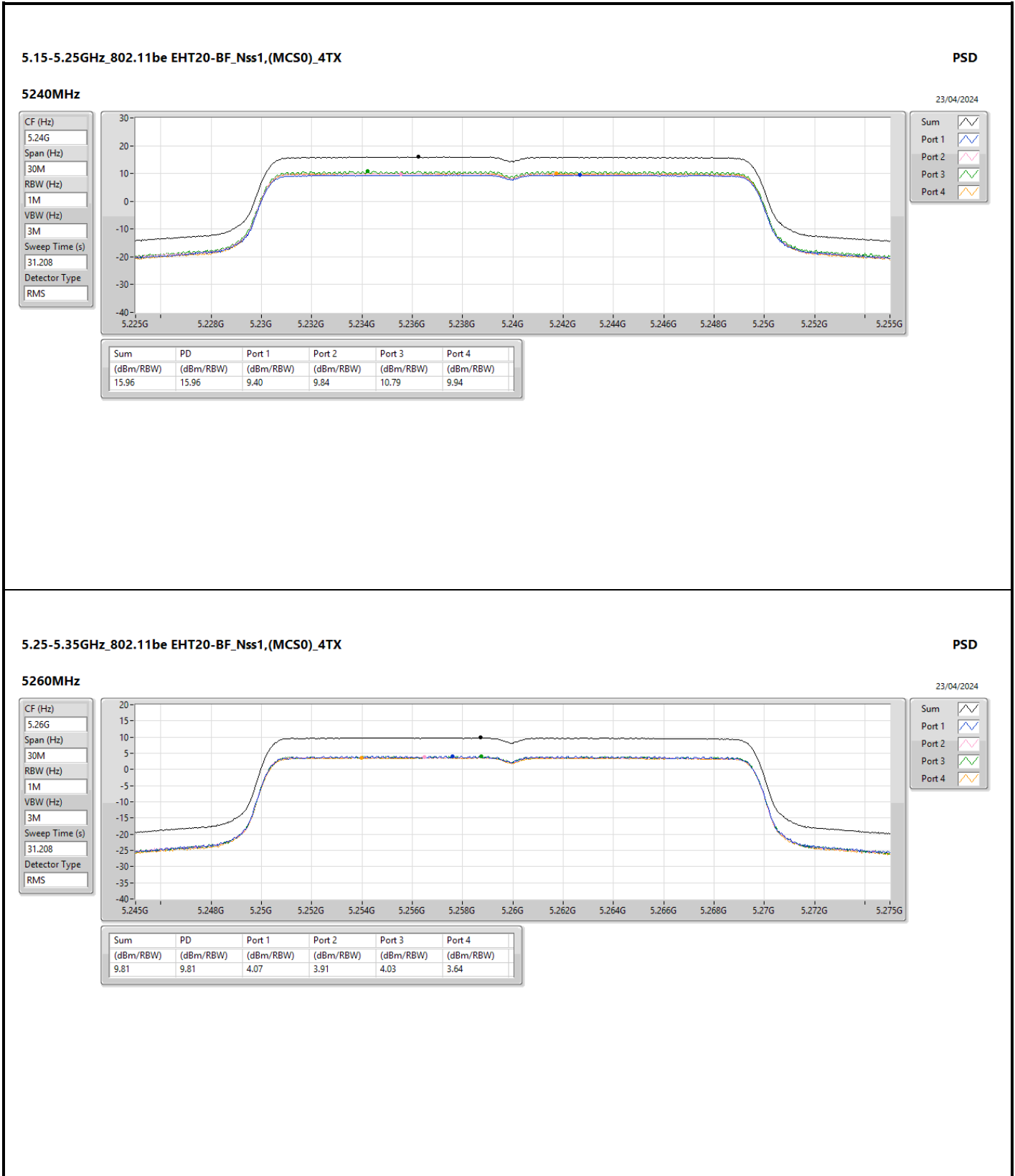


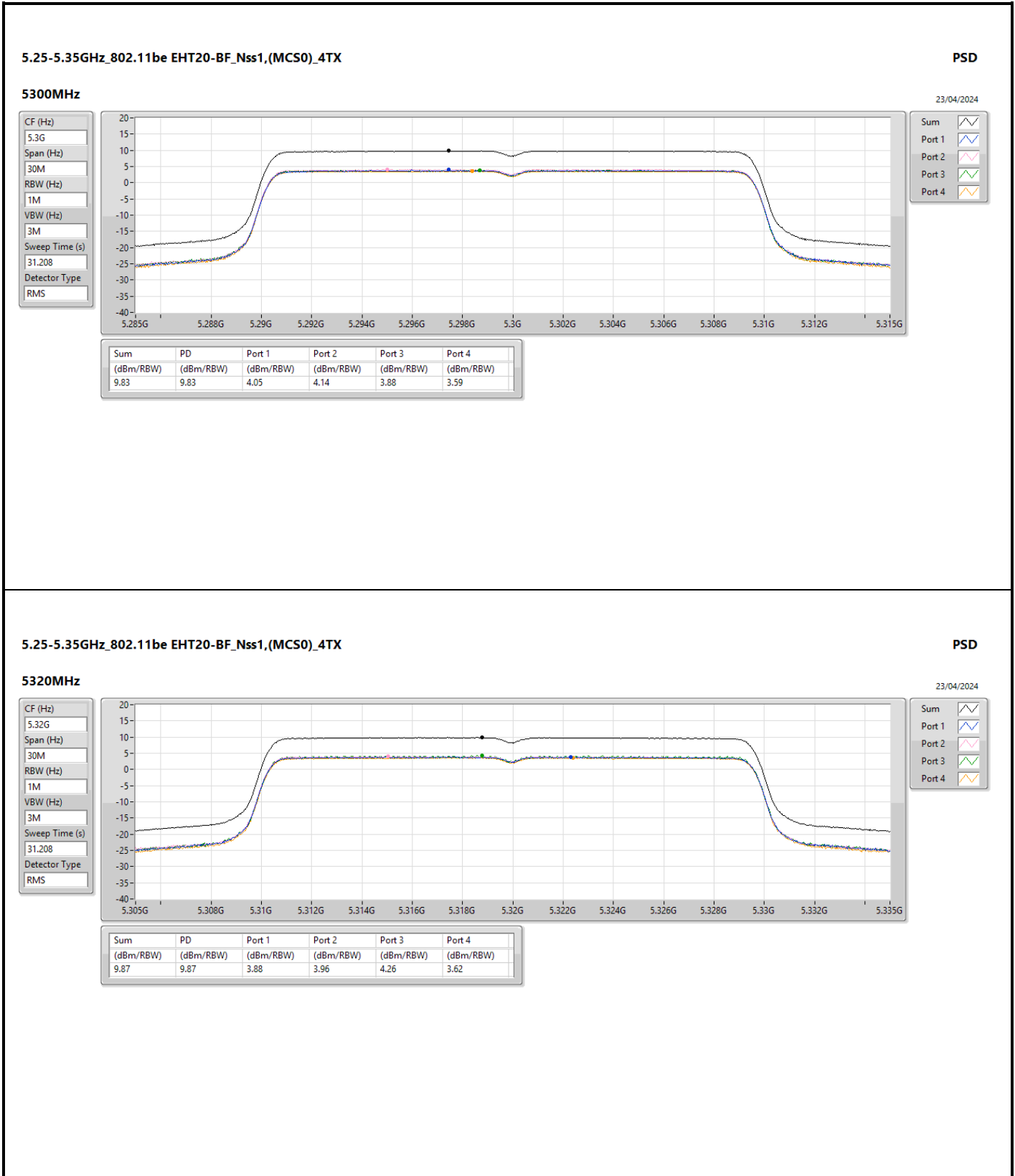


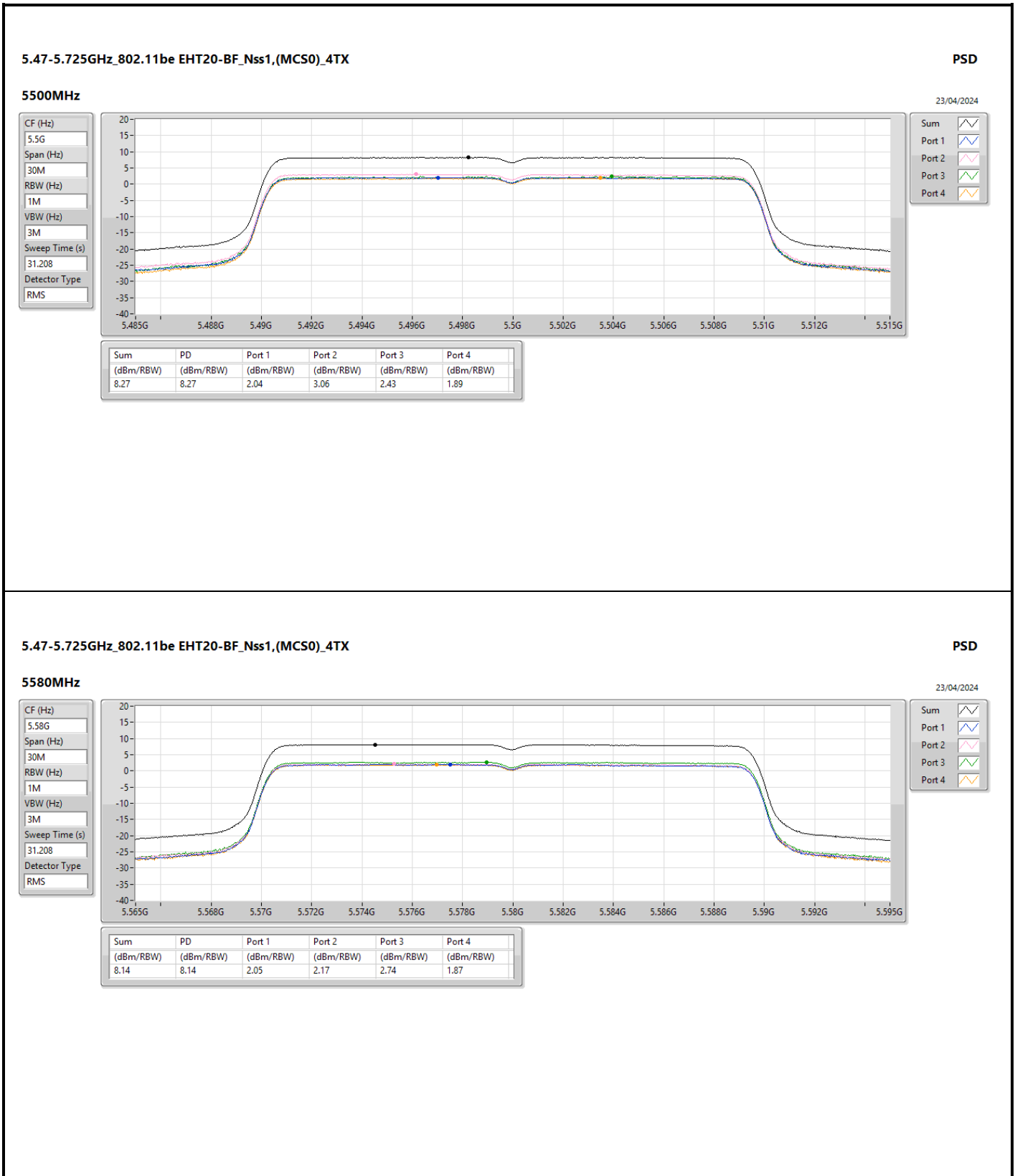




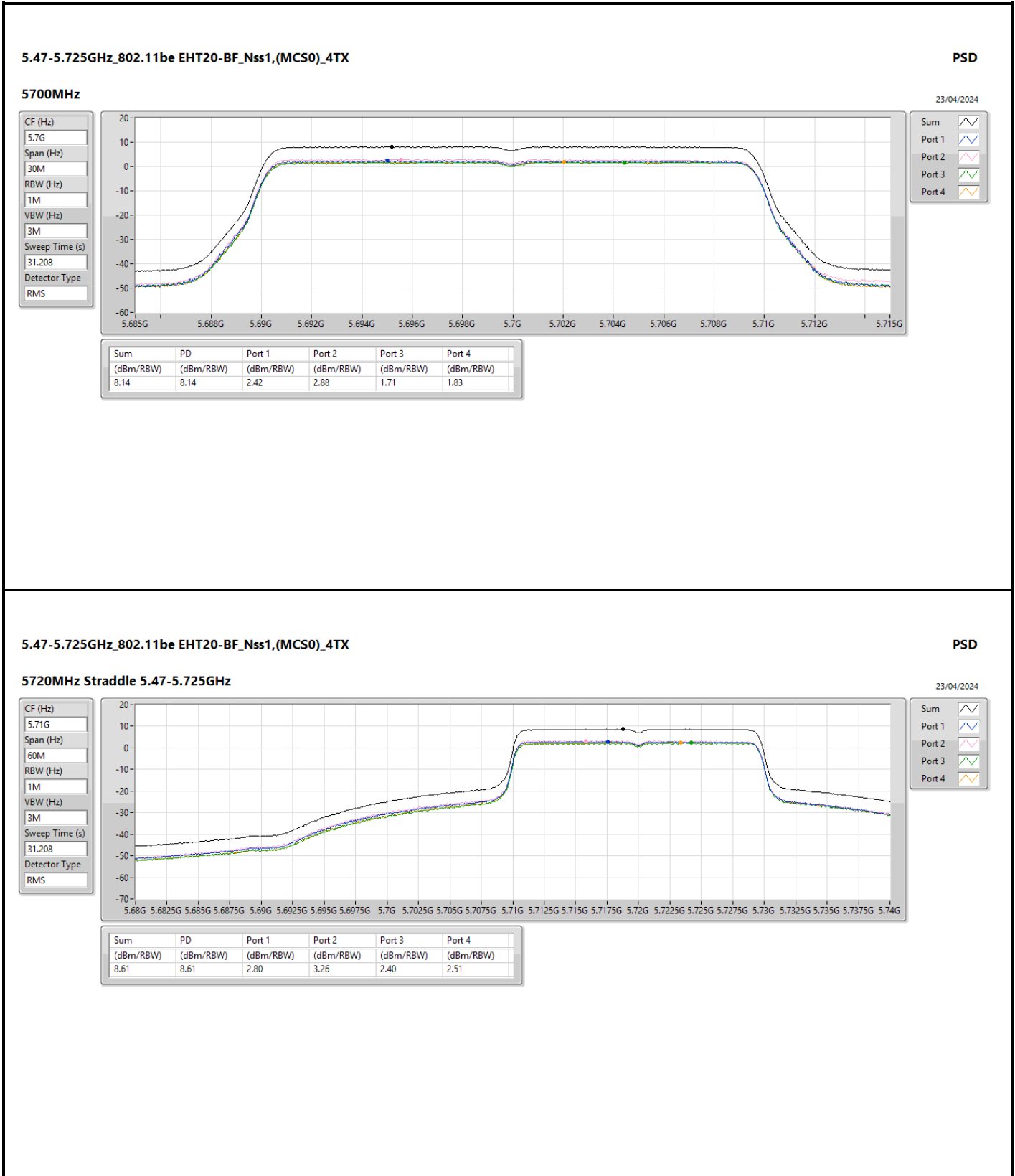


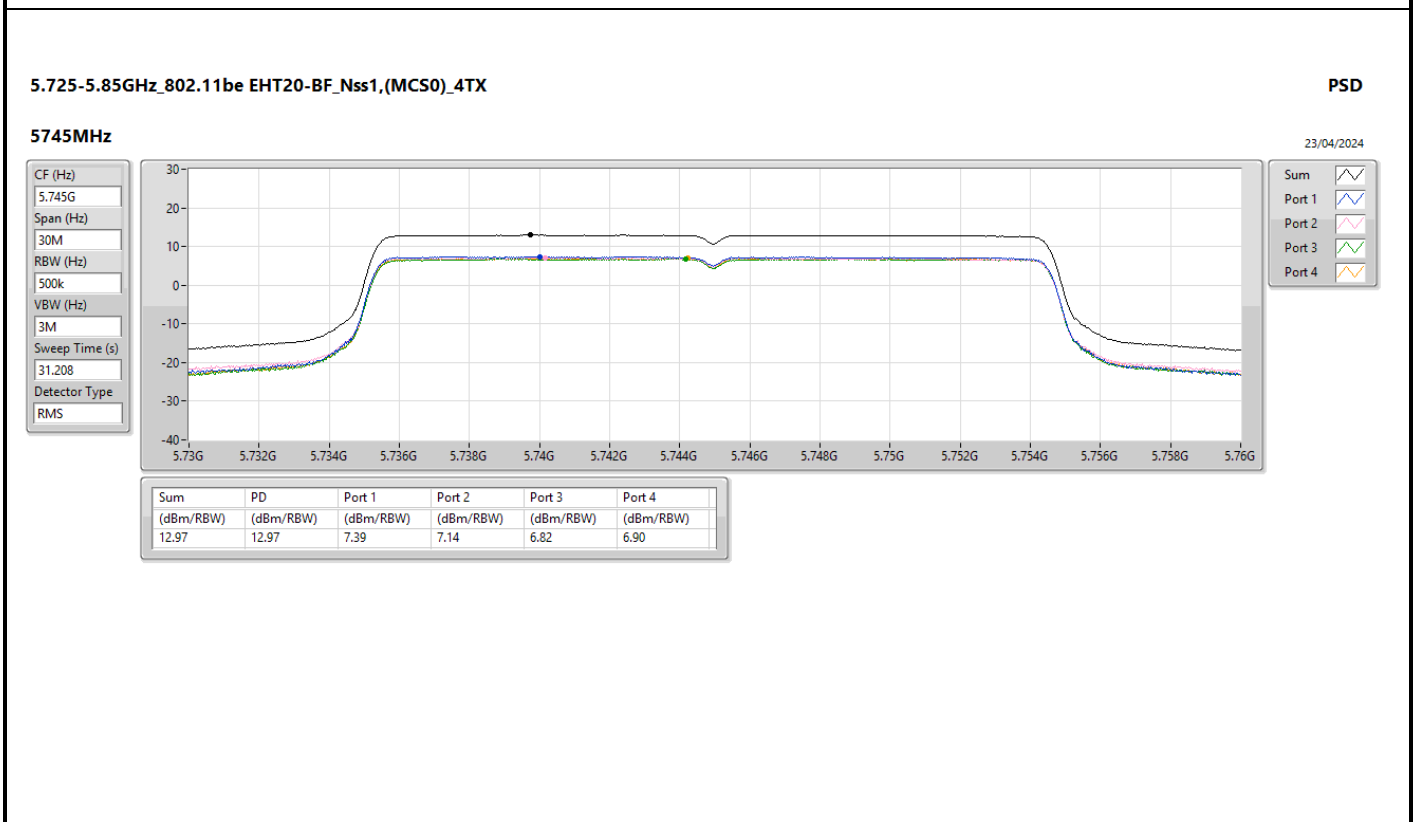
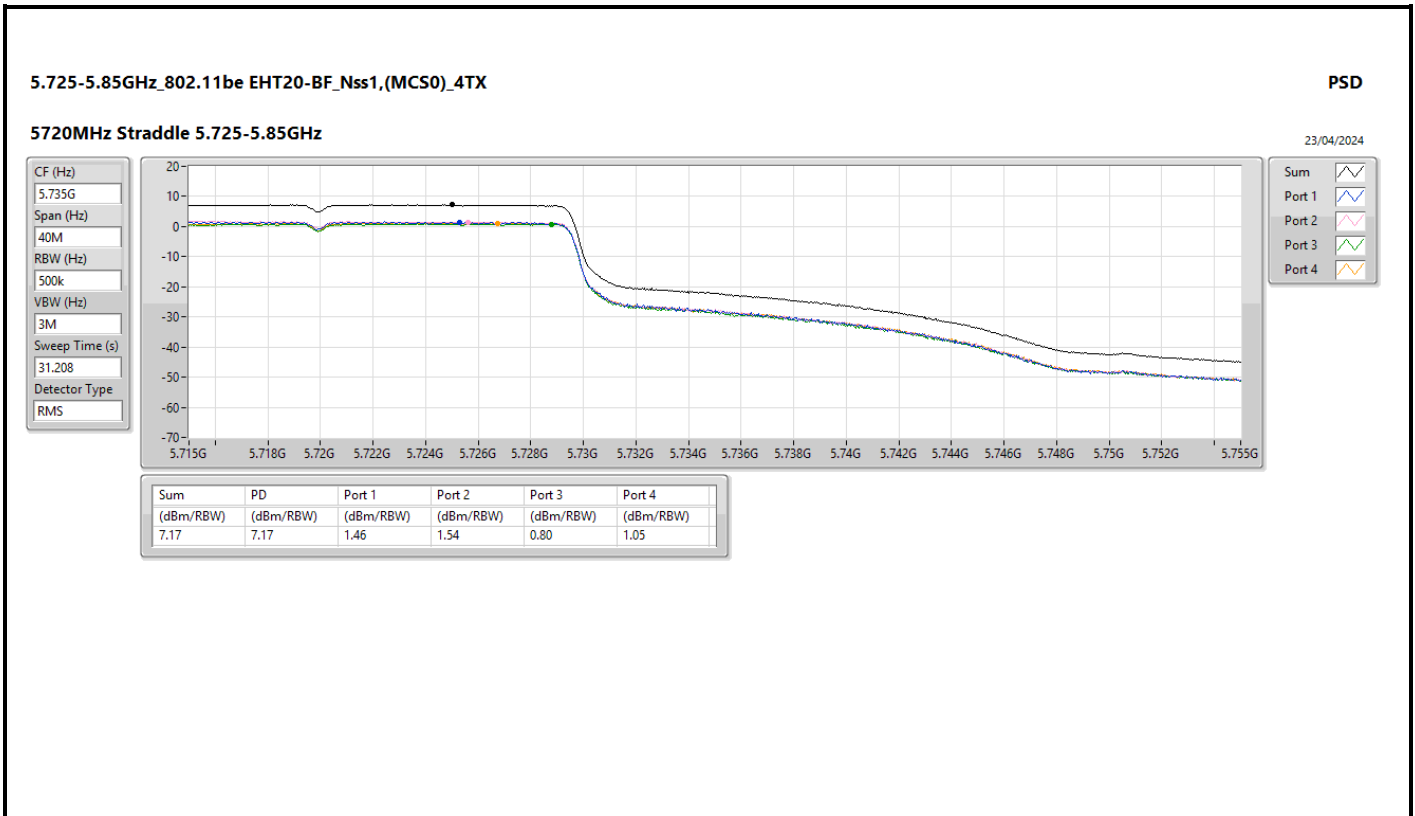


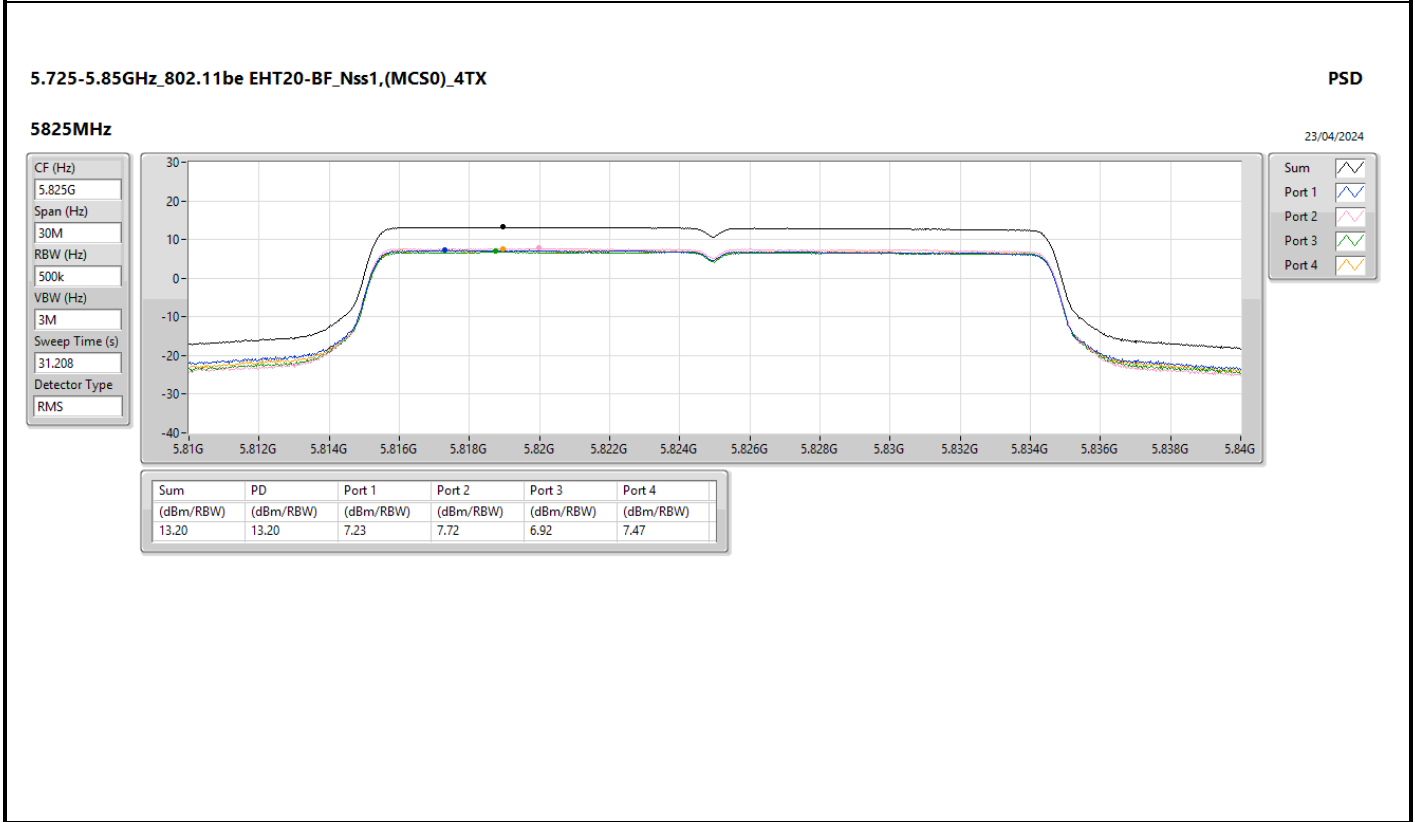
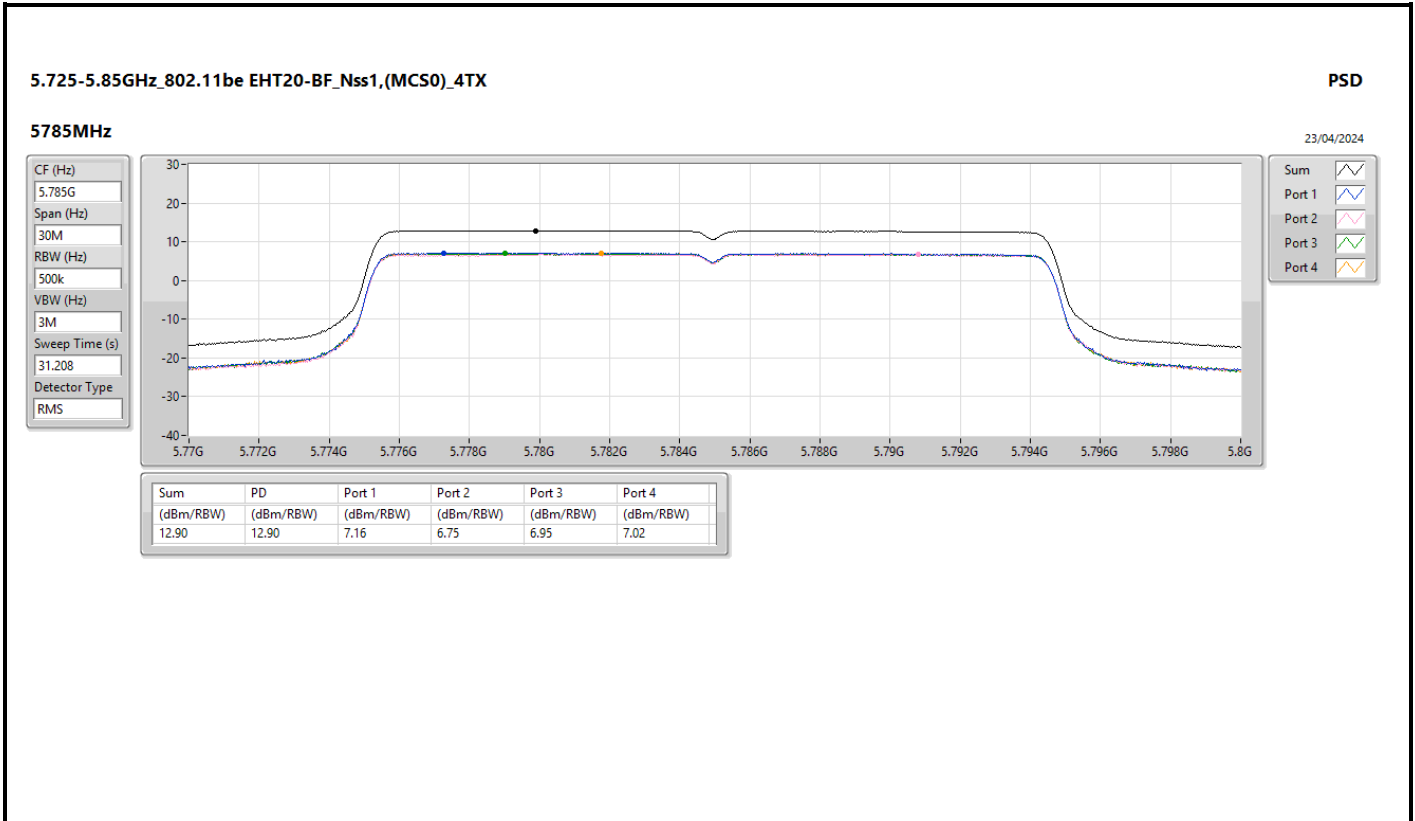


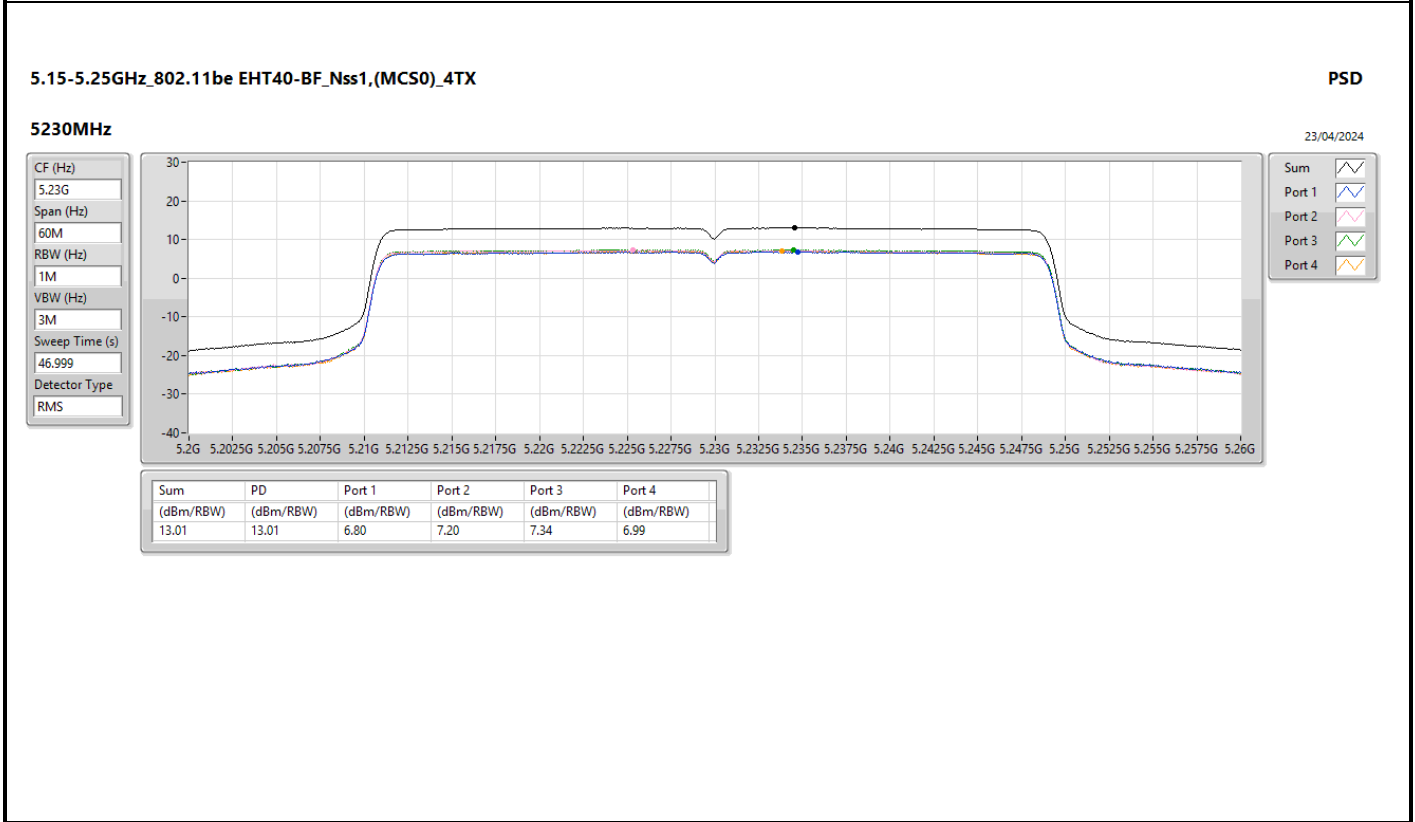
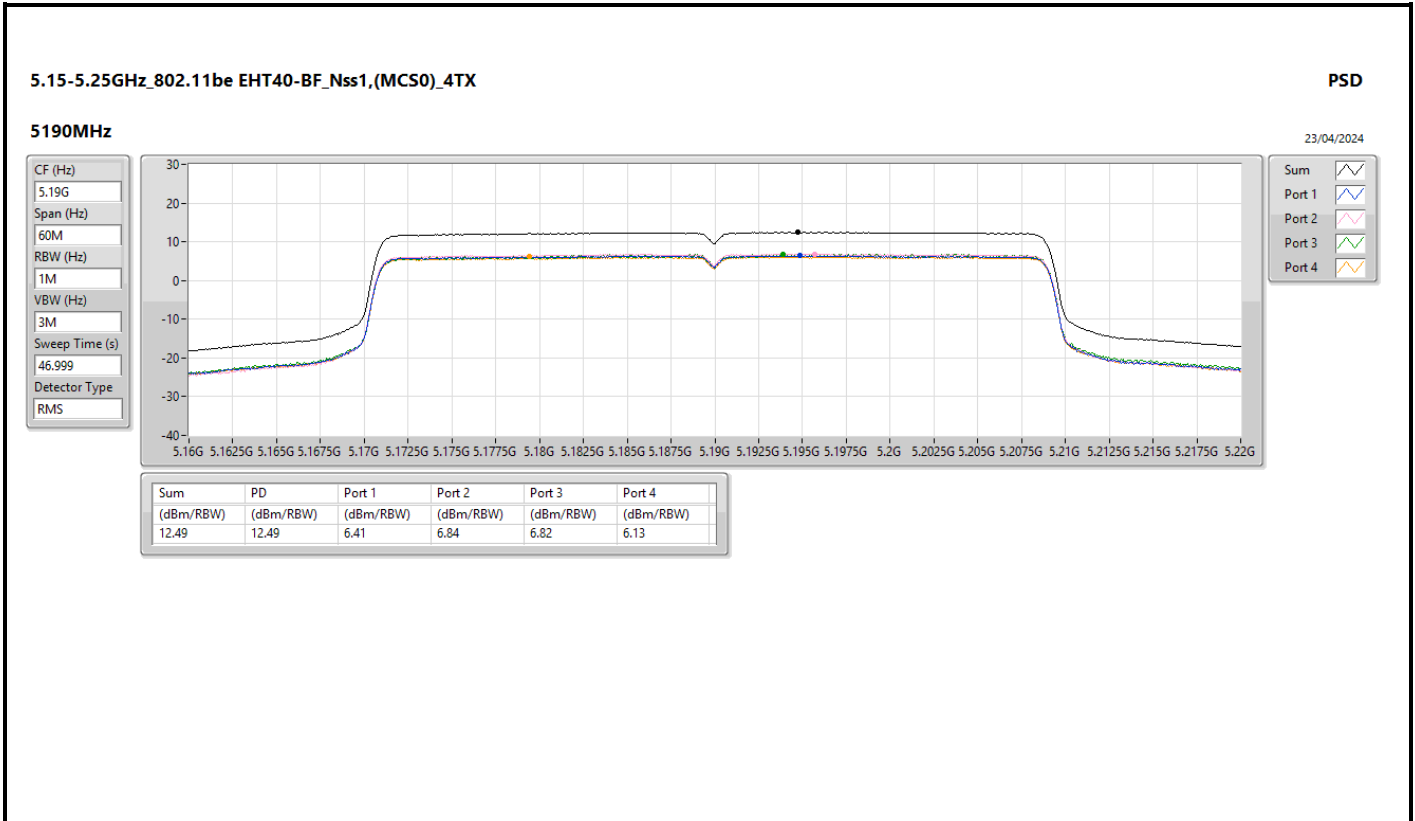


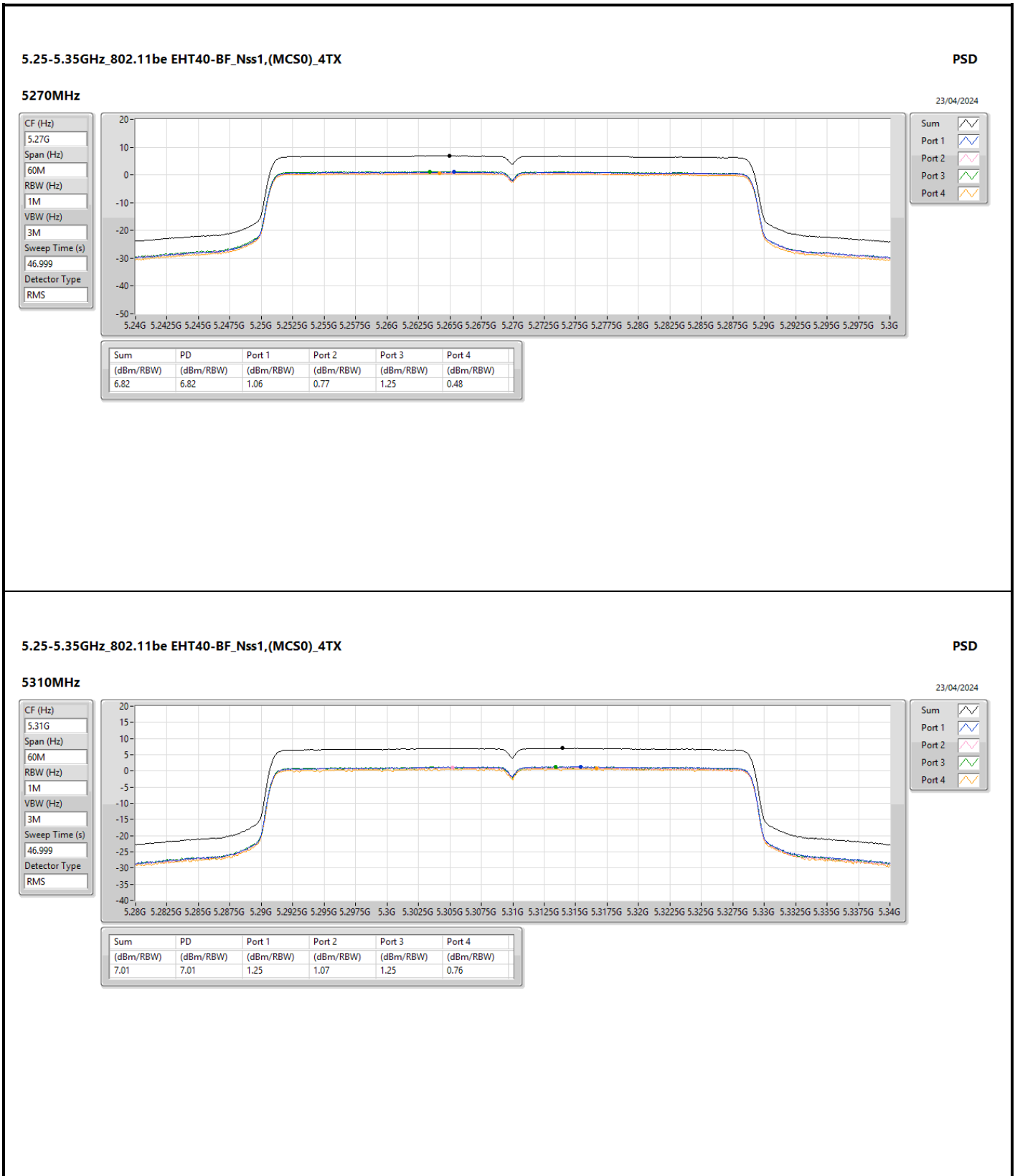


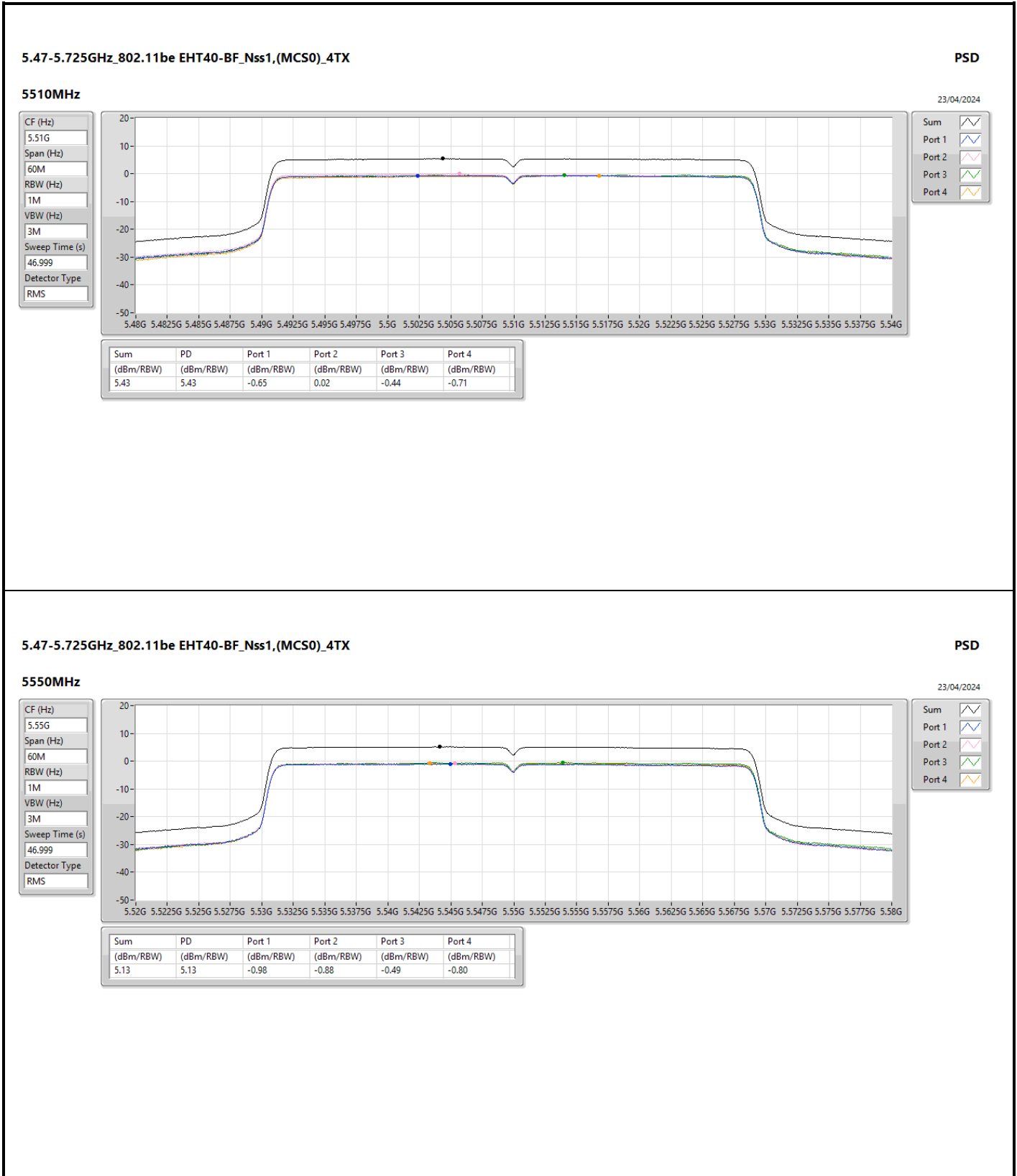


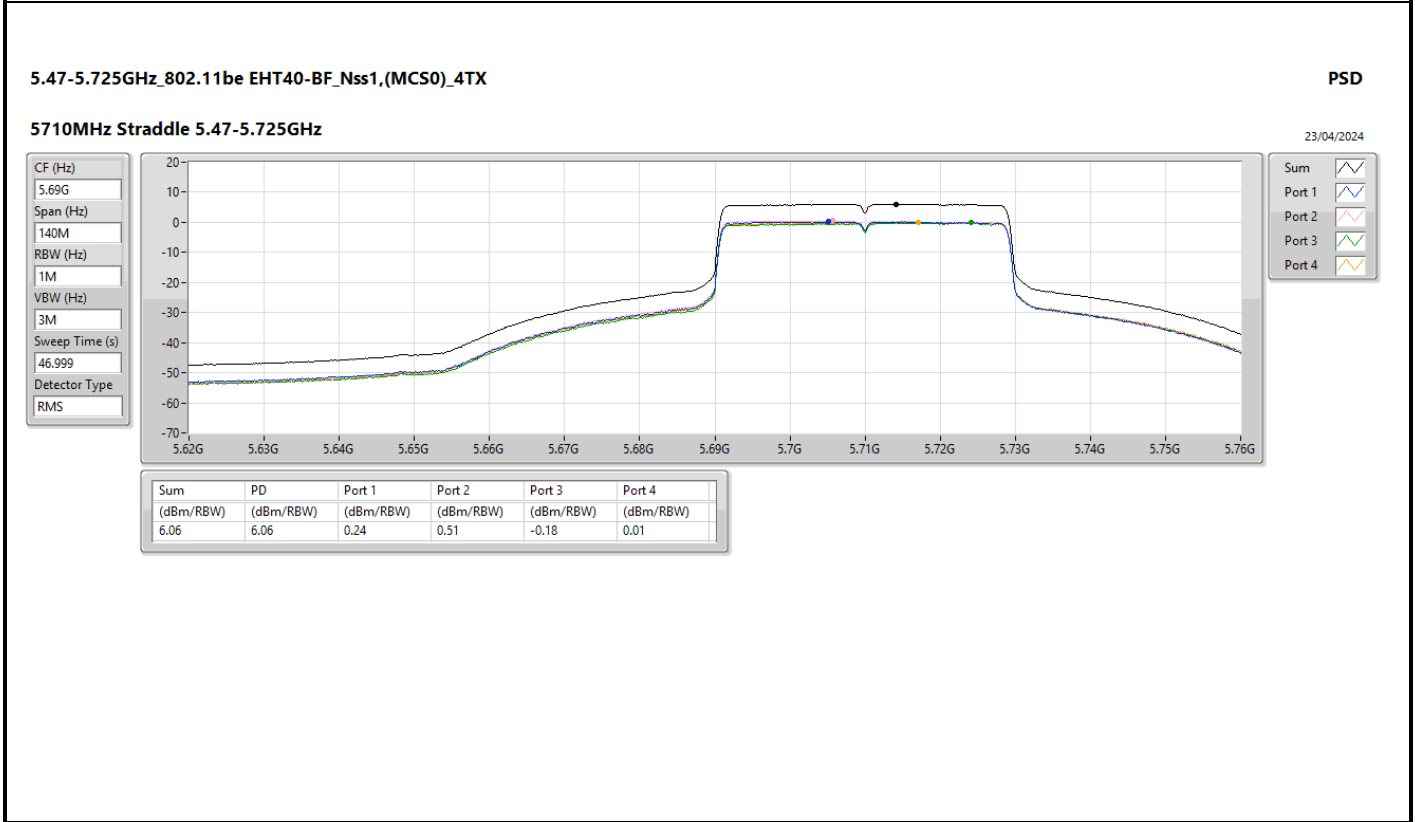
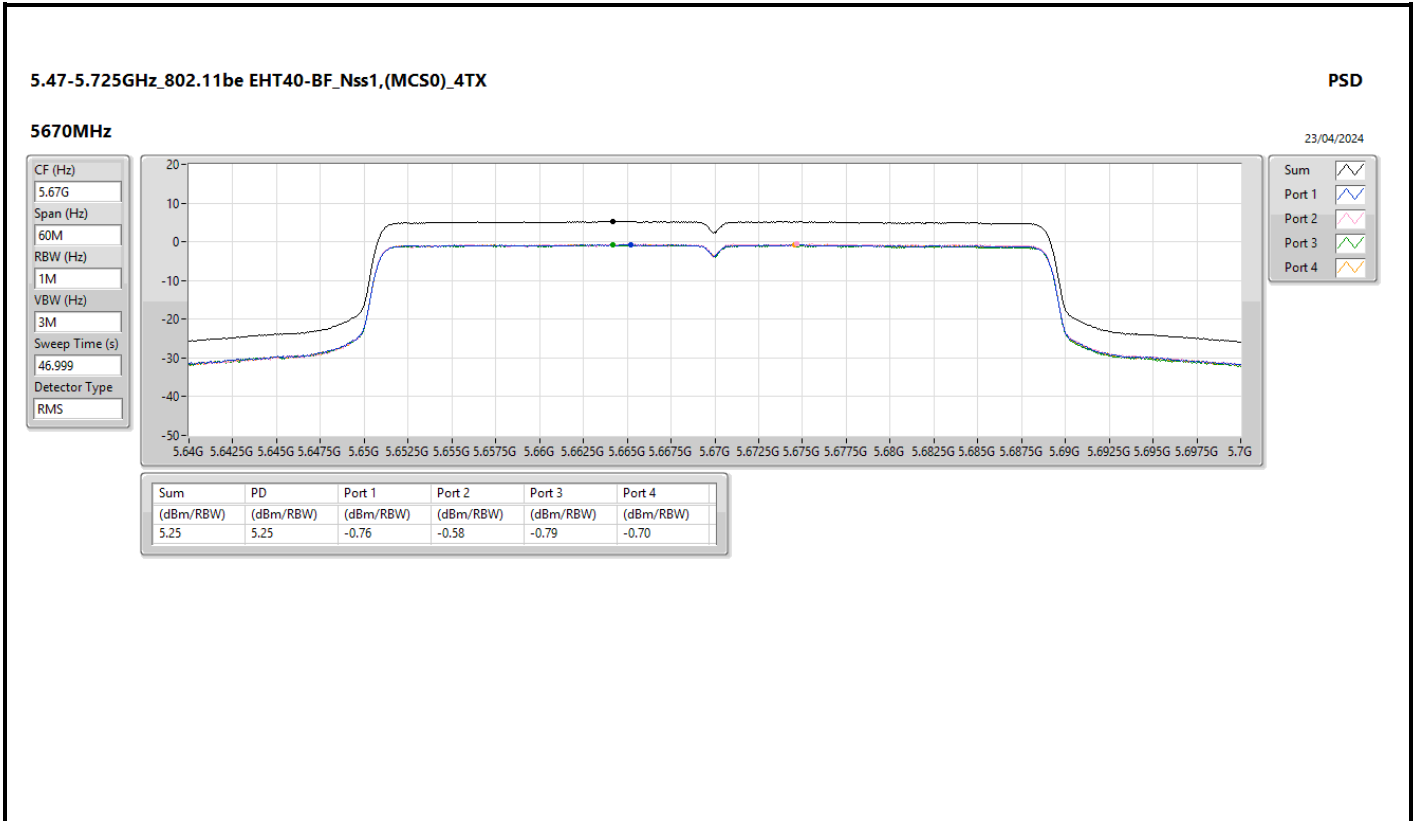


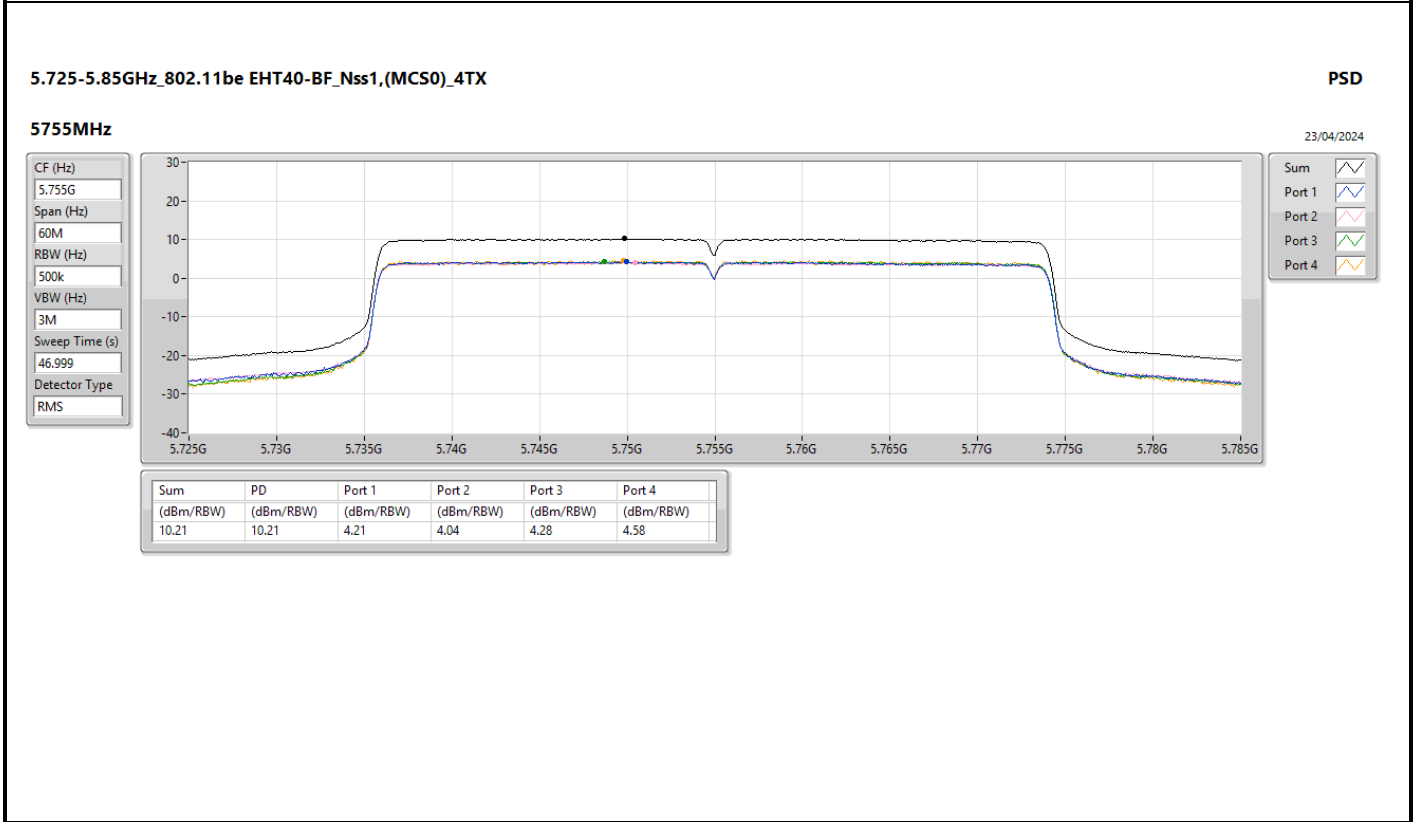
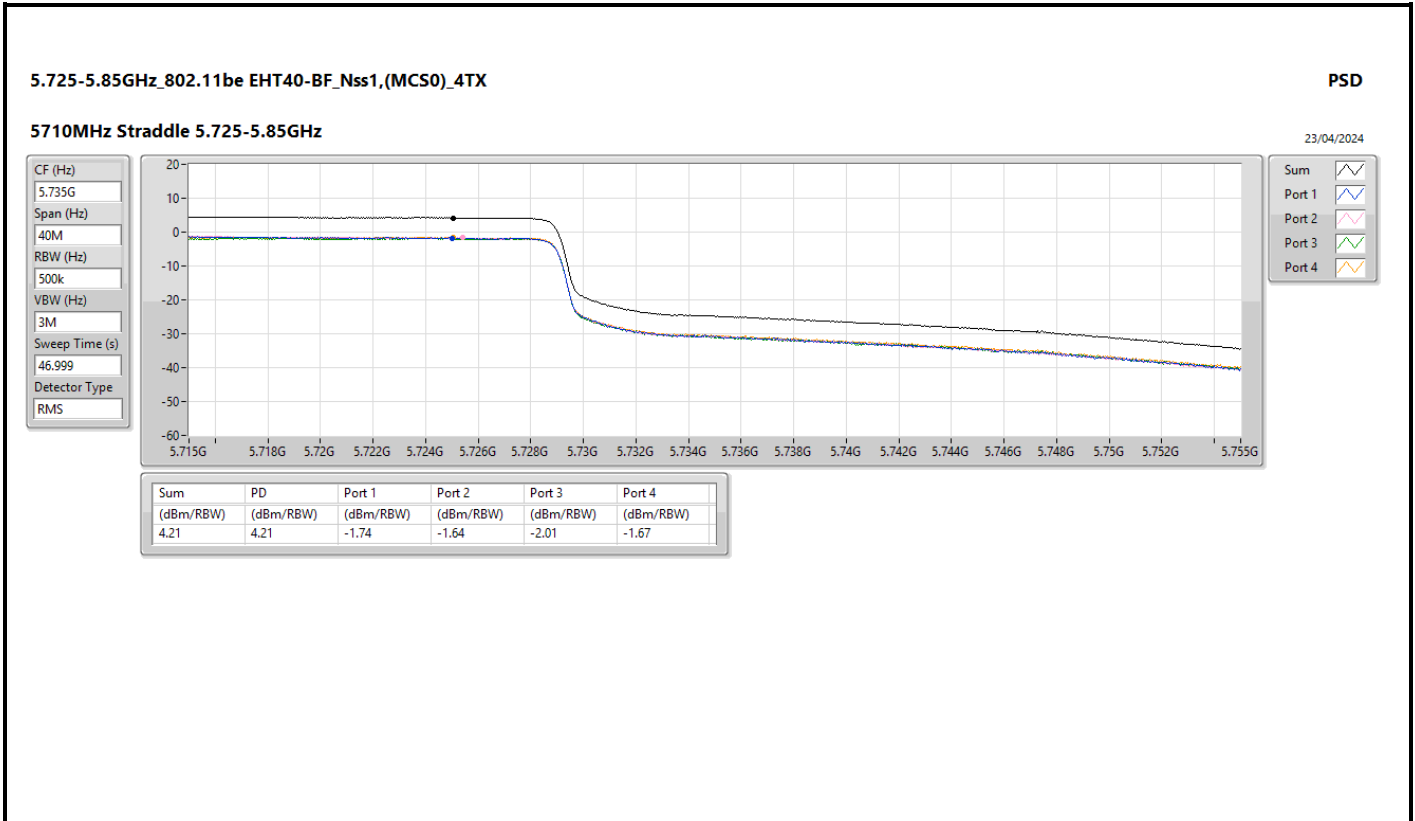




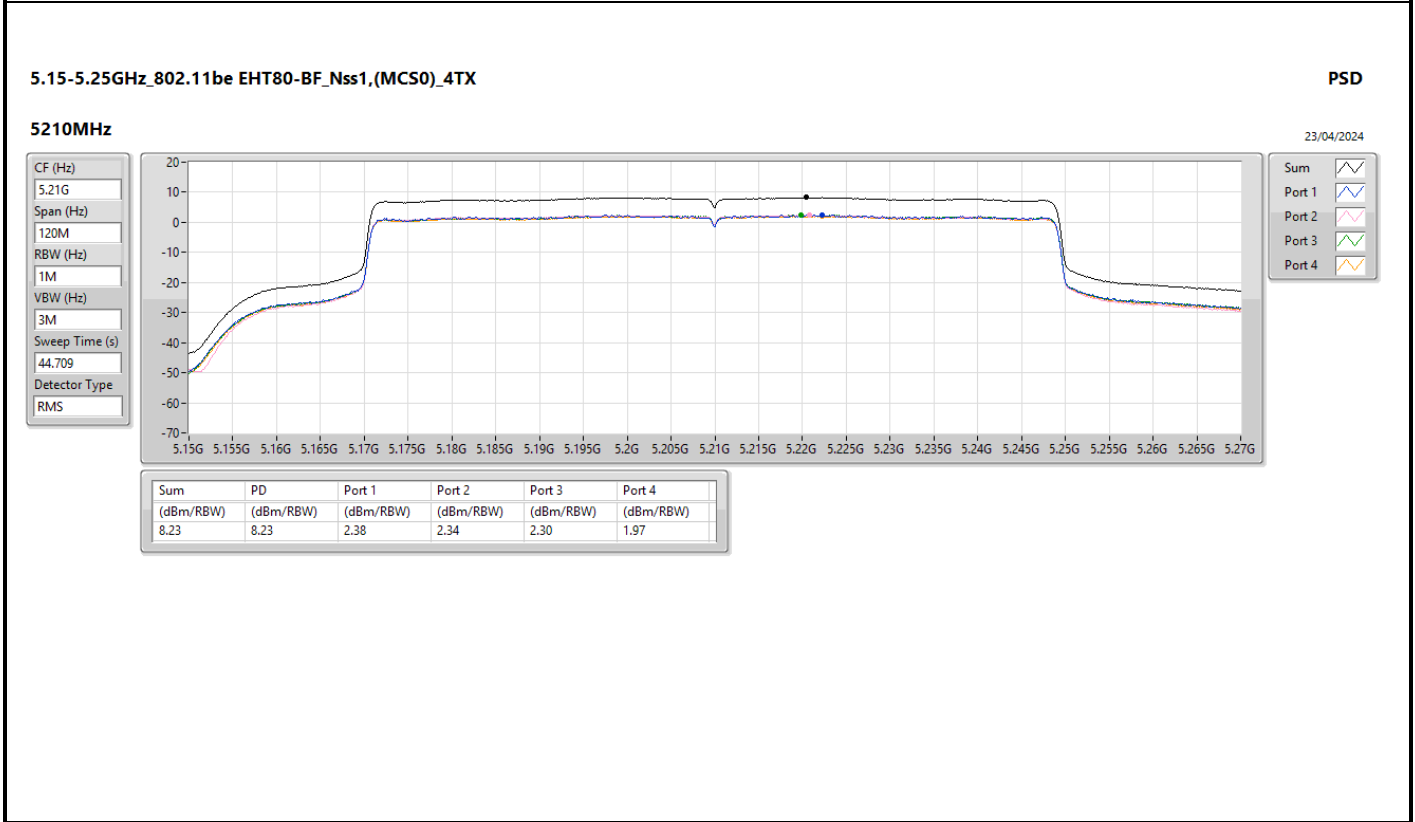
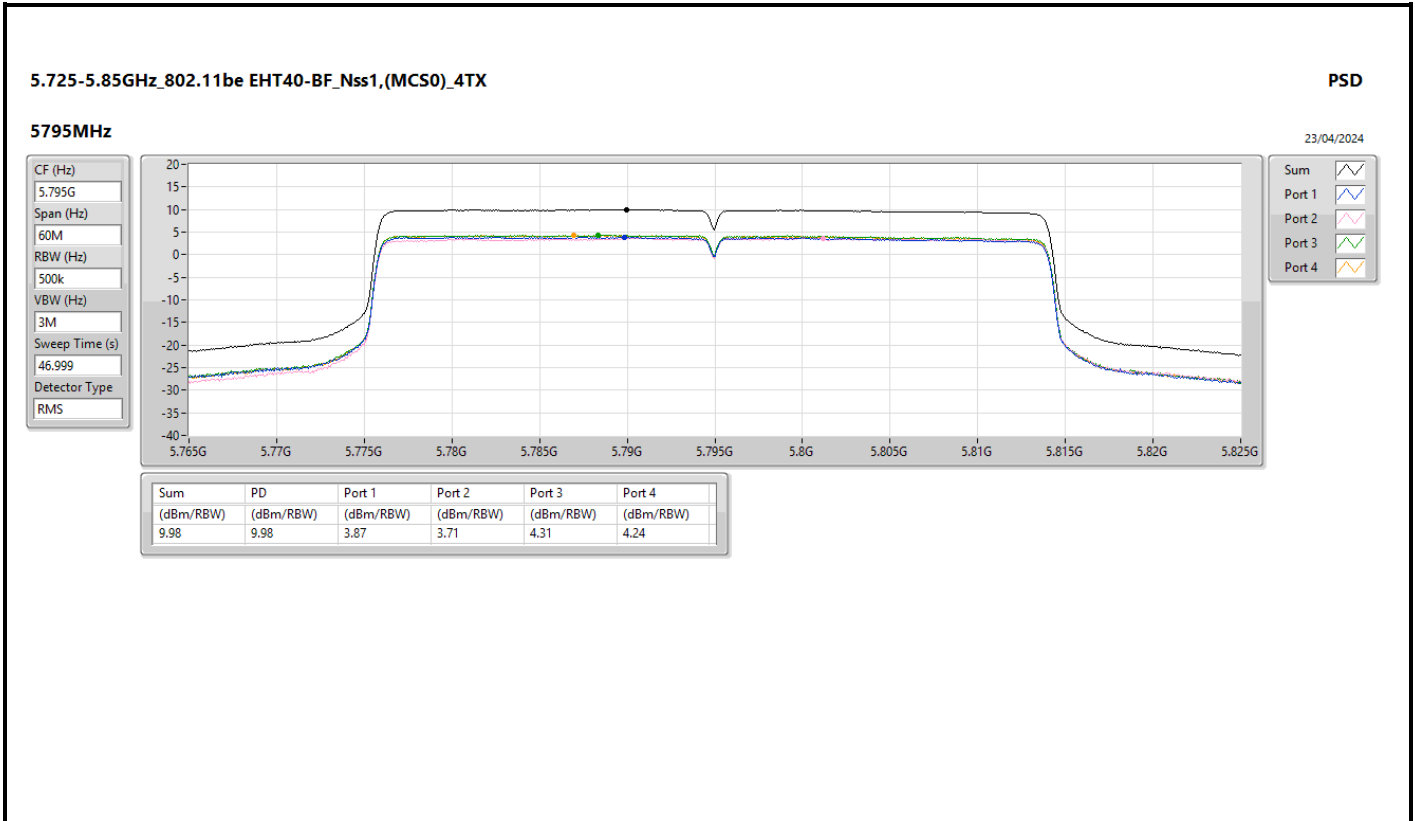




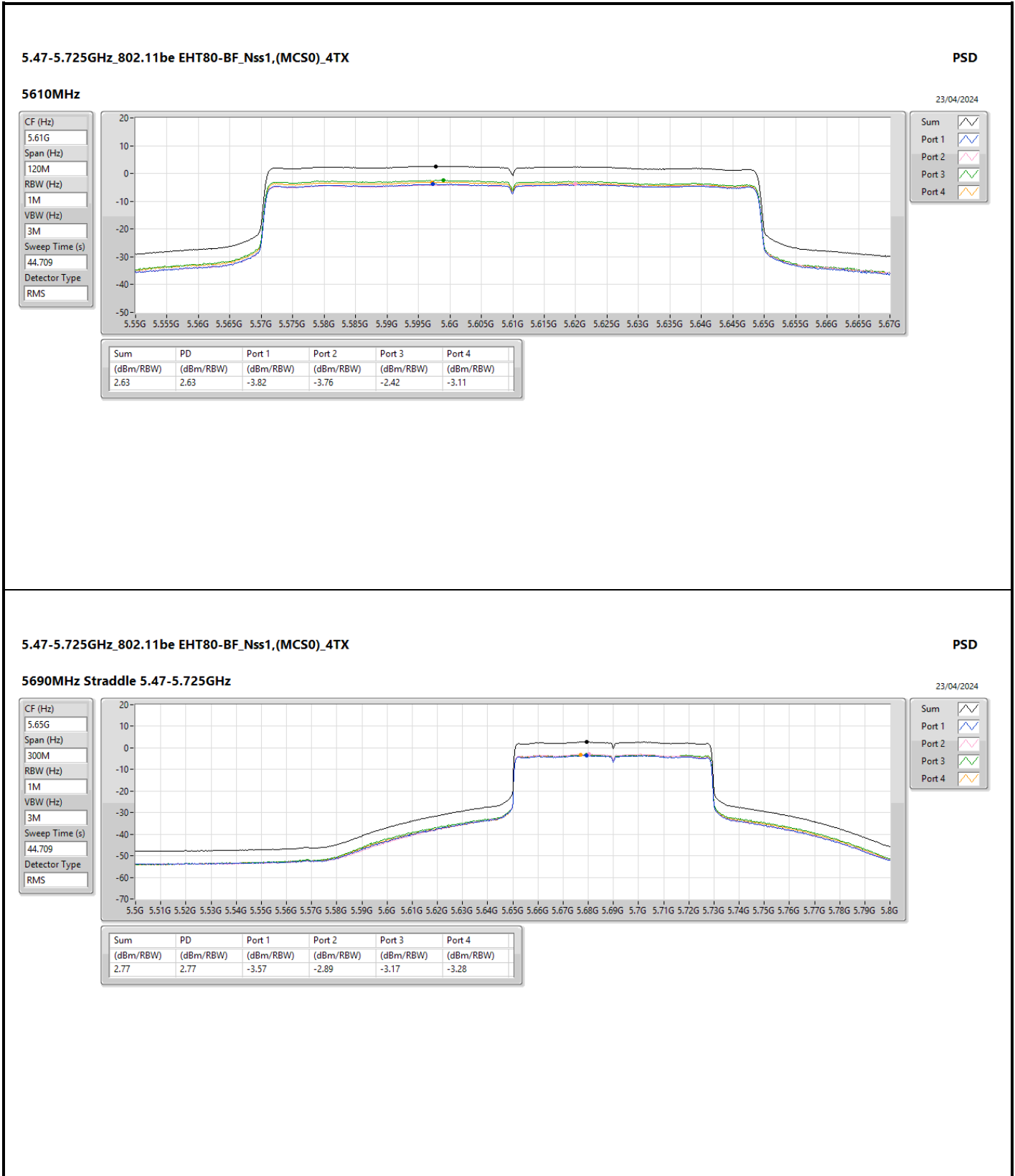


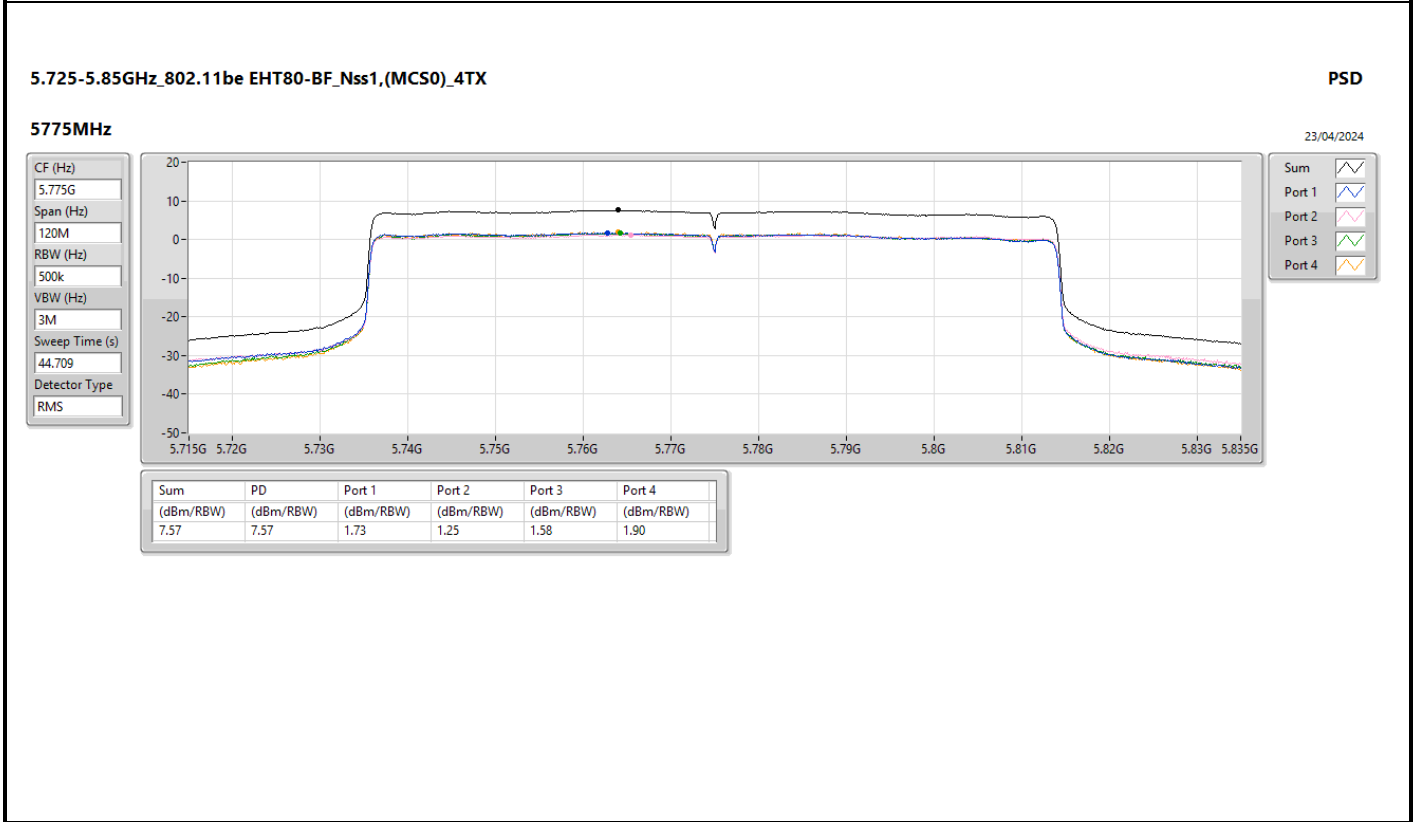
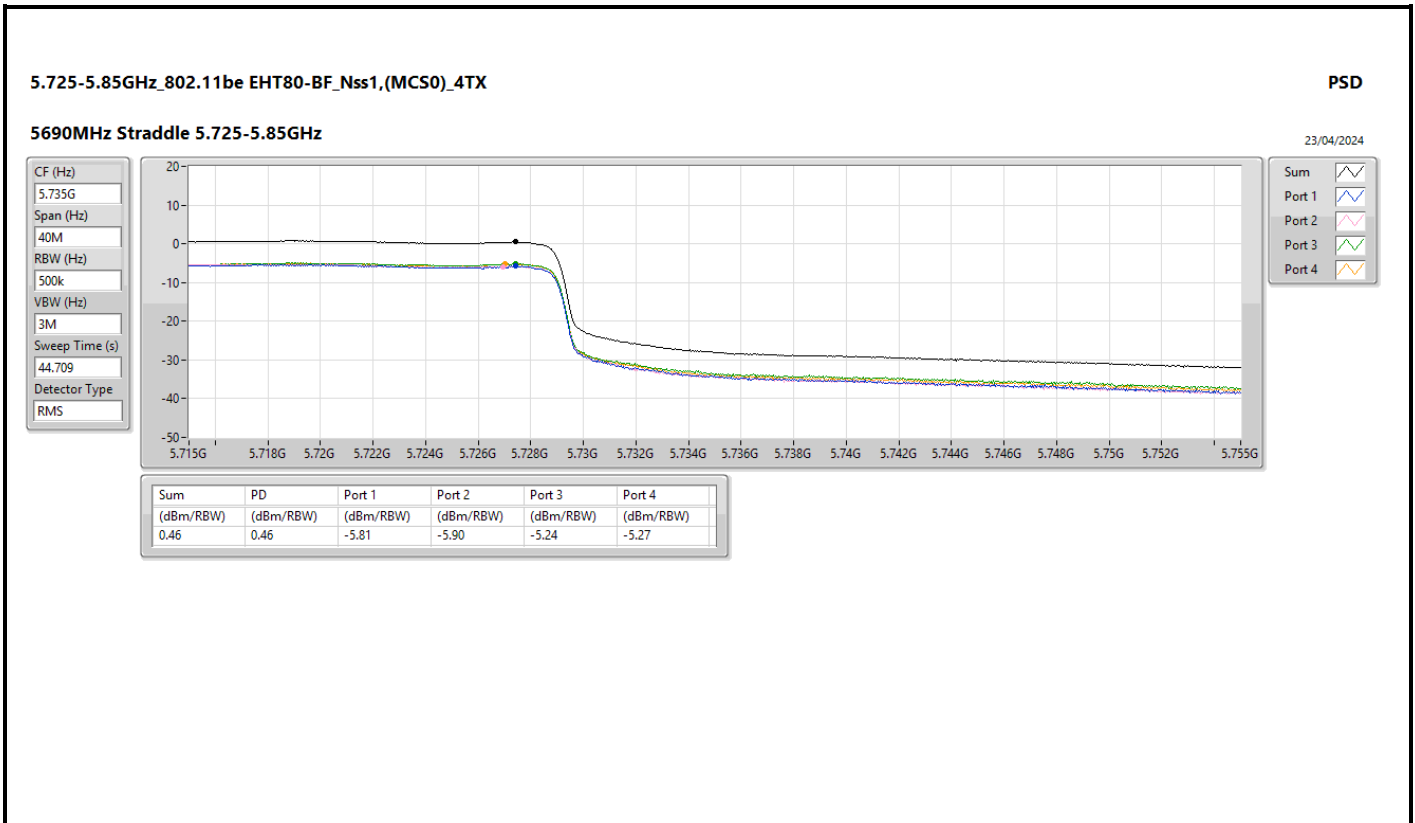


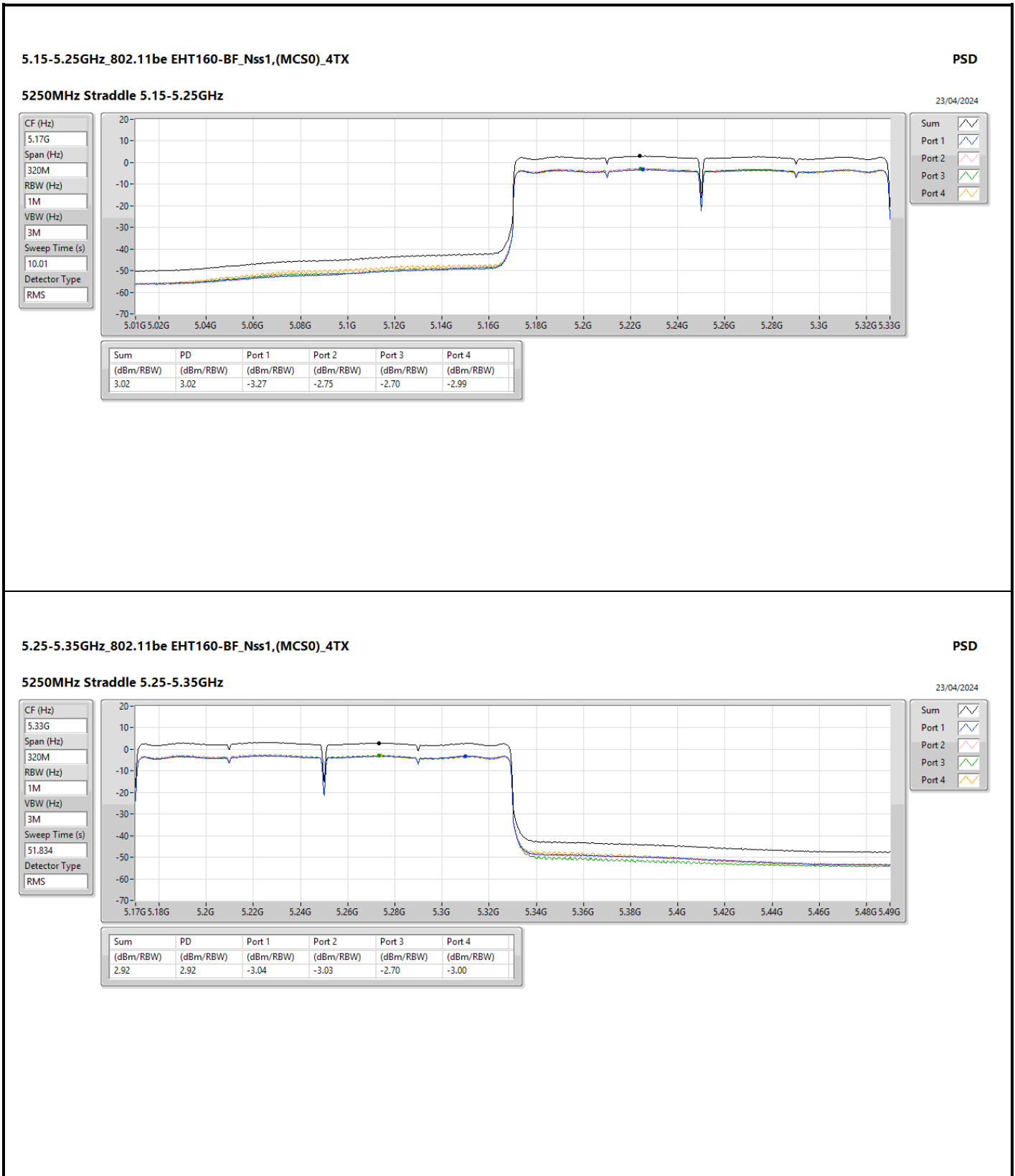












5.25-5.35GHz\_802.11be EHT160-BF\_Nss1,(MCS0)\_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

23/04/2024

CF (Hz)  
5.33G

Span (Hz)  
320M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
51.834

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)
2.92	2.92	-3.04	-3.03	-2.70	-3.00

