

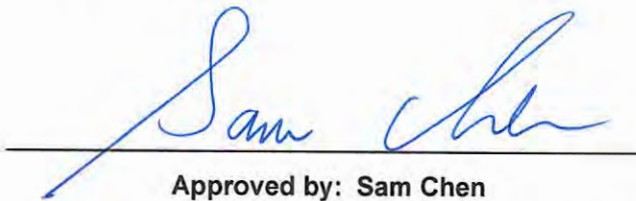


# RADIO TEST REPORT

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

The product was received on Jul. 31, 2023, and testing was started from Jul. 31, 2023 and completed on Oct. 25, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Sam Chen

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



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

**Appendix F. Test Results of Contention-Based Protocol**

**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 Equivalent Isotropically Radiated Power (E.I.R.P.)	PASS	-
3.4	15.407(a)	Peak Power Spectral Density (E.I.R.P.)	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-
3.6	15.407(d)	Contention-Based Protocol	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/matrix manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

**Disclaimer:**

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

Reviewed by: **Sam Chen**  
Report Producer: **Sophia Shiung**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-6425	ax (HEW20), be (EHT20)	5955-6415	1-93 [24]
6525-7125		6595-7095	129-229 [26]
5925-6425	ax (HEW40), be (EHT40)	5965-6405	3-91 [12]
6525-7125		6605-7085	131-227 [13]
5925-6425	ax (HEW80), be (EHT80)	5985-6385	7-87 [6]
6525-7125		6625-7025	135-215 [6]
5925-6425	ax (HEW160), be (EHT160)	6025-6345	15-79 [3]
6525-7125		6665-6985	143-207 [3]
5925-6425	be (EHT320)	6105-6265	31-63 [2]
6525-7125		6745-6905	159-191 [2]

Band	Mode	BWch (MHz)	Nant
5.925-6.425GHz	802.11ax HEW20	20	4TX
5.925-6.425GHz	802.11ax HEW20-BF	20	4TX
5.925-6.425GHz	802.11be EHT20	20	4TX
5.925-6.425GHz	802.11be EHT20-BF	20	4TX
5.925-6.425GHz	802.11ax HEW40	40	4TX
5.925-6.425GHz	802.11ax HEW40-BF	40	4TX
5.925-6.425GHz	802.11be EHT40	40	4TX
5.925-6.425GHz	802.11be EHT40-BF	40	4TX
5.925-6.425GHz	802.11ax HEW80	80	4TX
5.925-6.425GHz	802.11ax HEW80-BF	80	4TX
5.925-6.425GHz	802.11be EHT80	80	4TX
5.925-6.425GHz	802.11be EHT80-BF	80	4TX
5.925-6.425GHz	802.11ax HEW160	160	4TX
5.925-6.425GHz	802.11ax HEW160-BF	160	4TX
5.925-6.425GHz	802.11be EHT160	160	4TX
5.925-6.425GHz	802.11be EHT160-BF	160	4TX
5.925-6.425GHz	802.11be EHT320	320	4TX



<b>Band</b>	<b>Mode</b>	<b>BWch (MHz)</b>	<b>Nant</b>
5.925-6.425GHz	802.11be EHT320-BF	320	4TX
6.525-7.125GHz	802.11ax HEW20	20	4TX
6.525-7.125GHz	802.11ax HEW20-BF	20	4TX
6.525-7.125GHz	802.11be EHT20	20	4TX
6.525-7.125GHz	802.11be EHT20-BF	20	4TX
6.525-7.125GHz	802.11ax HEW40	40	4TX
6.525-7.125GHz	802.11ax HEW40-BF	40	4TX
6.525-7.125GHz	802.11be EHT40	40	4TX
6.525-7.125GHz	802.11be EHT40-BF	40	4TX
6.525-7.125GHz	802.11ax HEW80	80	4TX
6.525-7.125GHz	802.11ax HEW80-BF	80	4TX
6.525-7.125GHz	802.11be EHT80	80	4TX
6.525-7.125GHz	802.11be EHT80-BF	80	4TX
6.525-7.125GHz	802.11ax HEW160	160	4TX
6.525-7.125GHz	802.11ax HEW160-BF	160	4TX
6.525-7.125GHz	802.11be EHT160	160	4TX
6.525-7.125GHz	802.11be EHT160-BF	160	4TX
6.525-7.125GHz	802.11be EHT320	320	4TX
6.525-7.125GHz	802.11be EHT320-BF	320	4TX

**Note:**

- ◆ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ◆ EHT20, EHT40, EHT80 and EHT160, EHT320 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- ◆ BWch is the nominal channel bandwidth.



**1.1.2 Antenna Information**

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

Note 1:

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

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

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

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

Note 3: The antenna gain and directional gain are measured which follow the procedure of KDB 662911 D03.



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

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

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

Port 1~4 could transmit/receive simultaneously.

**For 5GHz function:**

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

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

Port 1~4 could transmit/receive simultaneously.

**For Zero-wait function (1RX):**

Only Ant. 13 can be used as receiving antenna.

**For 6GHz function:**

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

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

Port 1~4 could transmit/receive simultaneously.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss 1,(6D)	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20-BF_Nss 1,(M0)	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40-BF_Nss 1,(M0)	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80-BF_Nss 1,(M0)	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT160-BF_Nss 1,(M0)	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT320-BF_Nss 1,(M0)	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20-BF_Nss 2,(M0)	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40-BF_Nss 2,(M0)	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80-BF_Nss 2,(M0)	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT160-BF_Nss 2,(M0)	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT320-BF_Nss 2,(M0)	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)

Note:

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





1.1.4 EUT Operational Condition

<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>Device Type</b>	<input checked="" type="checkbox"/>	Indoor Access Point	<input checked="" type="checkbox"/>	Subordinate
	<input type="checkbox"/>	Indoor Client	<input type="checkbox"/>	Standard Power Access Point
	<input type="checkbox"/>	Dual Client	<input type="checkbox"/>	Standard Client
	<input type="checkbox"/>	Fixed Client		
<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>	Mtool_V3.3.0.4			
<b>Software / Firmware Version for CBP</b>	9.0.0.6.102_32426			

Note: The above information was declared by manufacturer.

1.1.5 Table for Radio Function

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

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT supports functions

Function
AP Router
Mesh

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

Note 2: The above information was declared by manufacturer.



### 1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.407
- ♦ 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 987594 D02 v02r01
- ♦ 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 (For other tests)	TH02-CB	KJ Chang	23.2~24.5 / 62~64	Sep. 04, 2023~ Oct. 16, 2023
Radiated < 1GHz	03CH06-CB	Black Lu	22.2~23.3 / 56~57	Jul. 31, 2023~ Oct. 23, 2023
Radiated > 1GHz	03CH06-CB	Black Lu	22.2~23.3 / 56~57	
	03CH02-CB		22~23 / 55~56	
AC Conduction	CO01-CB	Ryan Huang	20~21 / 55~57	Aug. 22, 2023
RF Conducted (Contention-Based Protocol test)	DF02-CB	Bruce Yang	20.8~21.3 / 63~69	Oct. 18, 2023~ Oct. 25, 2023



## 1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

For UNII 5

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5955MHz	30
6195MHz	27
6415MHz	33
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-
5955MHz	38
6195MHz	32
6415MHz	38
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-
5965MHz	48
6205MHz	45
6405MHz	48
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-
5985MHz	55
6225MHz	56
6385MHz	57
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-
6025MHz	65
6185MHz	66
6345MHz	64
802.11be EHT320-BF_Nss1,(MCS0)_4TX	-
6105MHz	74
6265MHz	74
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-
5955MHz	43
6195MHz	38
6415MHz	44
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-
5965MHz	53
6205MHz	51
6405MHz	54
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-
5985MHz	61
6225MHz	62



Mode	Power Setting
6385MHz	63
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-
6025MHz	71
6185MHz	71
6345MHz	69
802.11be EHT320-BF_Nss2,(MCS0)_4TX	-
6105MHz	80
6265MHz	80

**For UNII 7~8**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
6595MHz	27
6695MHz	27
6875MHz Straddle 6.525-6.875GHz	27
6895MHz	24
6995MHz	27
7095MHz	27
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-
6595MHz	31
6695MHz	30
6875MHz Straddle 6.525-6.875GHz	32
6895MHz	28
6995MHz	28
7095MHz	32
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-
6605MHz	43
6685MHz	42
6885MHz Straddle 6.525-6.875GHz	44
6925MHz	39
7005MHz	40
7085MHz	44
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-
6625MHz	54
6705MHz	52
6785MHz	54
6865MHz Straddle 6.525-6.875GHz	55
6945MHz	50
7025MHz	52
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-



<b>Mode</b>	<b>Power Setting</b>
6665MHz	65
6825MHz Straddle 6.525-6.875GHz	67
6985MHz	61
802.11be EHT320-BF_Nss1,(MCS0)_4TX	-
6745MHz Straddle 6.525-6.875GHz	77
6905MHz	72
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-
6595MHz	34
6695MHz	32
6875MHz Straddle 6.525-6.875GHz	35
6895MHz	34
6995MHz	33
7095MHz	39
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-
6605MHz	46
6685MHz	45
6885MHz Straddle 6.525-6.875GHz	46
6925MHz	46
7005MHz	46
7085MHz	51
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-
6625MHz	56
6705MHz	55
6785MHz	57
6865MHz Straddle 6.525-6.875GHz	58
6945MHz	57
7025MHz	59
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-
6665MHz	67
6825MHz Straddle 6.525-6.875GHz	69
6985MHz	66
802.11be EHT320-BF_Nss2,(MCS0)_4TX	-
6745MHz Straddle 6.525-6.875GHz	76
6905MHz	77



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. Both of them were tested. After evaluating, the beamforming mode was selected to record in the report.

## 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	EUT + Adapter 1 + Power cord
2	EUT + Adapter 2
For operating, mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Emission Bandwidth Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) Peak Power Spectral Density (E.I.R.P.) Contention Based Protocol
<b>Test Condition</b>	Conducted measurement at transmit chains
1	EUT_WLAN 6GHz UNII 5
2	EUT_WLAN 6GHz UNII 7~8

The Worst Case Mode for Following Conformance Tests	
<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 in Y axis + Adapter 1 + Power cord_WLAN 2.4GHz
2	EUT in Y axis + Adapter 2_WLAN 2.4GHz
Mode 2 has been evaluated to be the worst case among Mode 1~2, so measurement for Mode 3~5 will follow this same test mode.	



3	EUT in Y axis + Adapter 2_WLAN 5GHz
4	EUT in Y axis + Adapter 2_WLAN 6GHz UNII 5
5	EUT in Y axis + Adapter 2_WLAN 6GHz UNII 7~8
For operating, mode 2 is the worst case and it was record in this test report.	
<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 in Y axis

<b>The Worst Case Mode for Following Conformance Tests</b>	
<b>Tests Item</b>	Emission MASK
<b>Test Condition</b>	Conducted measurement at transmit chains
1	EUT_WLAN 6GHz UNII 5
2	EUT_WLAN 6GHz UNII 7~8

<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	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz UNII 5 + WLAN 6GHz UNII 7~8
Refer to Sporton Test Report No.: FA351907 for Co-location RF Exposure Evaluation.	

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

<b>Equipment</b>	<b>Brand Name</b>	<b>Model Name</b>
AC Adapter	ASUS	ADP-45BW B





### 2.3 EUT Operation during Test

**For CTX Mode:**

**Non-beamforming mode:**

The EUT was programmed to be in continuously transmitting mode.

**Beamforming mode:**

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

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

The program was executed as follows:

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

**For Normal Link Mode:**

During the test, the EUT operation to normal function.

### 2.4 Accessories

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



## 2.5 Support Equipment

For AC Conduction:

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

For Radiated (below 1GHz):

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

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

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

<Beamforming mode>

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



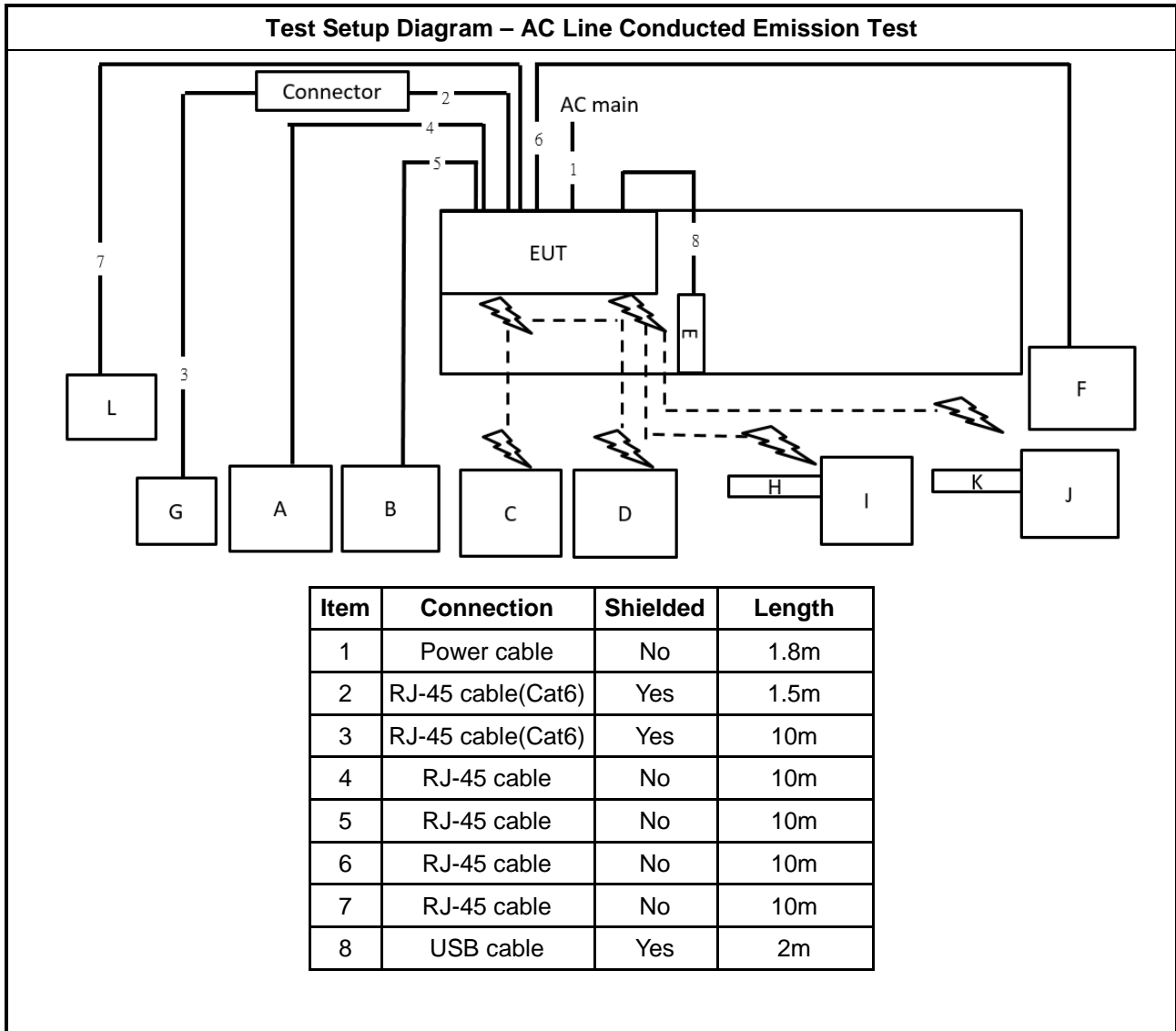
**For RF Conducted (Other tests):**

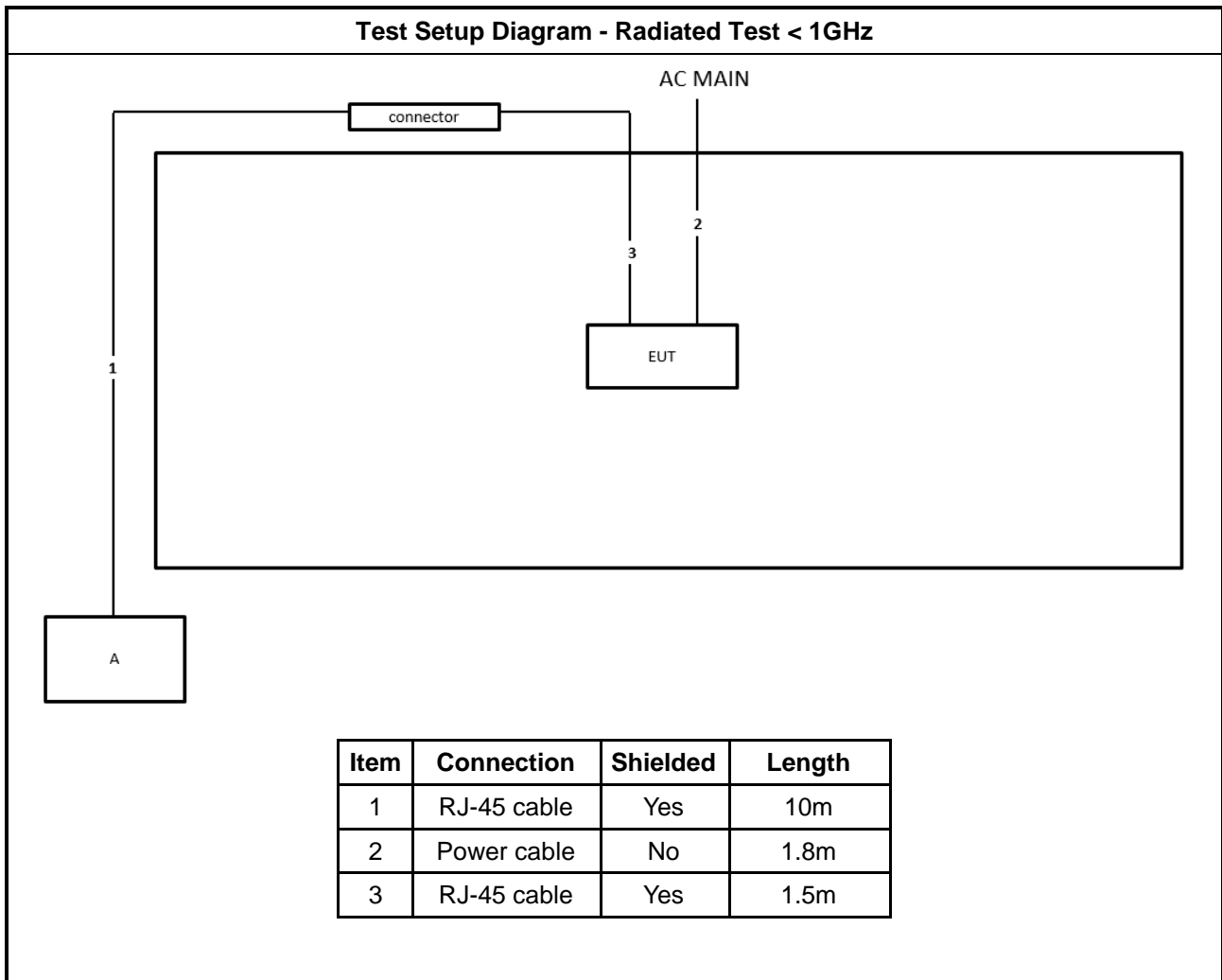
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

**For RF Conducted (Contention Based Protocol test):**

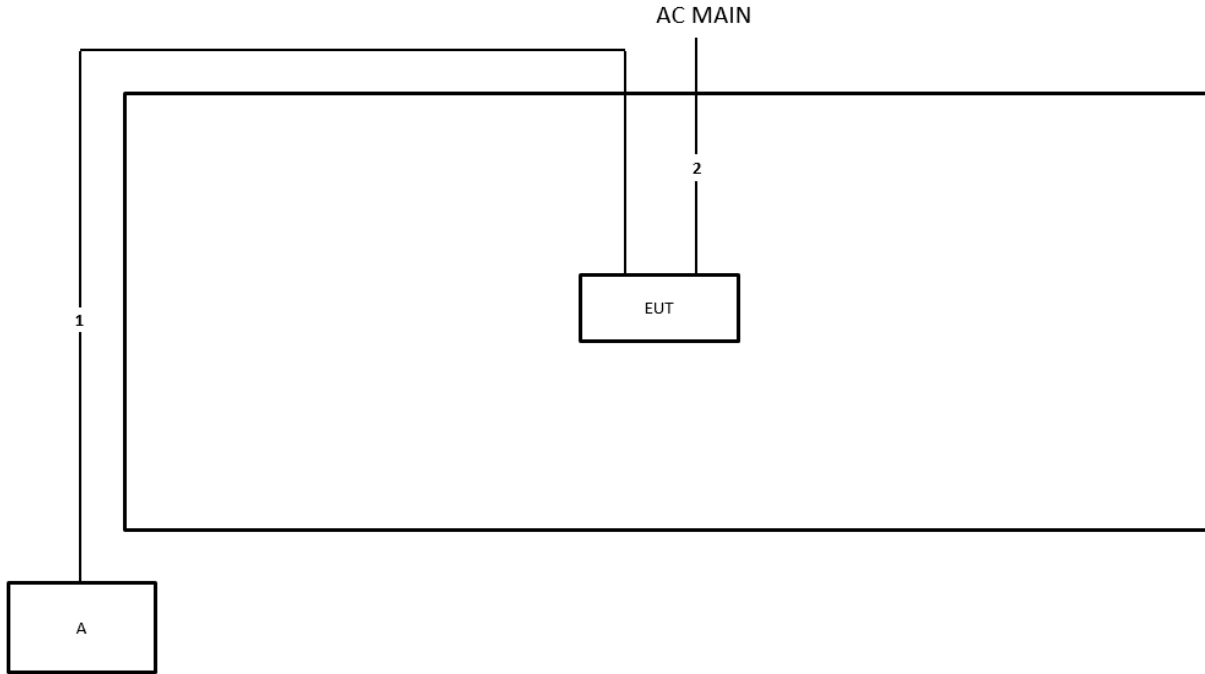
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	WLAN AP	ASUS	RT-BE96U	MSQ-RTBE6G00

## 2.6 Test Setup Diagram

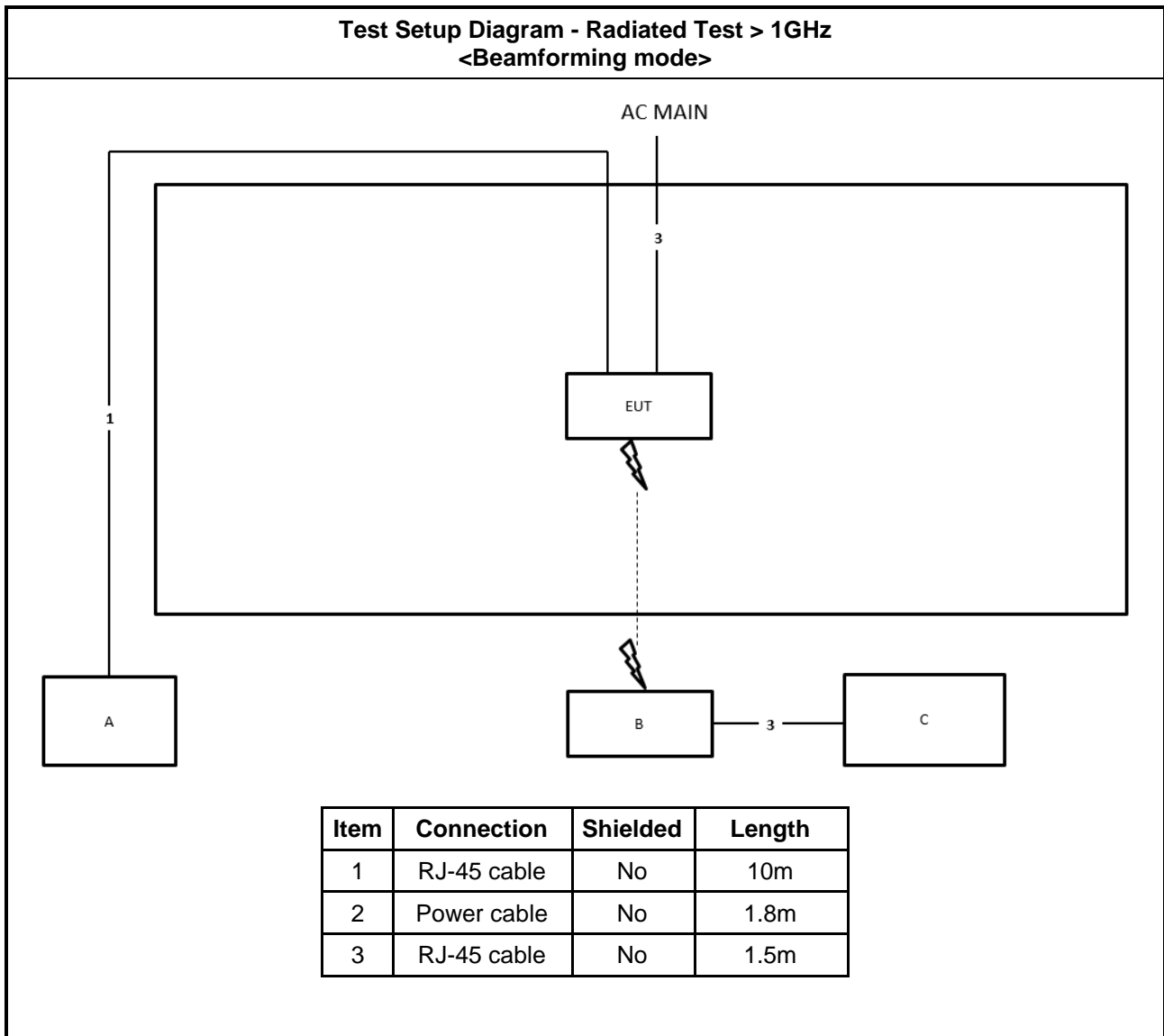




**Test Setup Diagram - Radiated Test > 1GHz  
<Non-beamforming mode>**



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





### 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

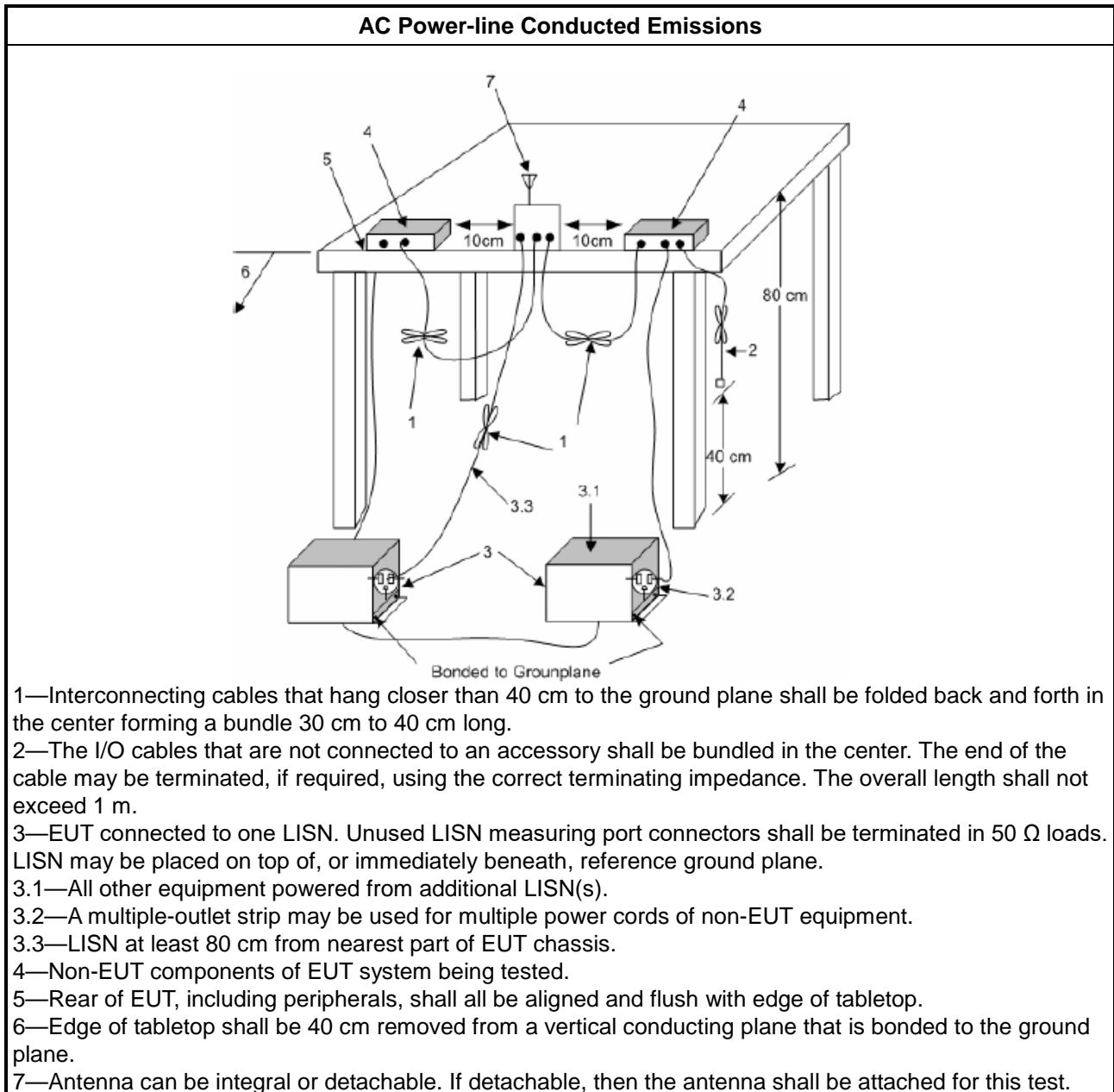
Refer a test equipment and calibration data table in this test report.

##### 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 (dBuV) = LISN Factor + Cable Loss + Read Level = Level
- b. Margin = - Limit + (Read Level + LISN Factor + Cable Loss)

### 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 5925-6425 GHz band, N/A
<input type="checkbox"/>	For the 6425-6525 GHz band, N/A
<input checked="" type="checkbox"/>	For the 6525-6875 GHz band, N/A
<input checked="" type="checkbox"/>	For the 6875-7125 GHz band, N/A
<b>RLAN Devices</b>	
<input type="checkbox"/>	For the 5925-6425 GHz band, N/A
<input type="checkbox"/>	For the 6425-6525 GHz band, N/A
<input type="checkbox"/>	For the 6525-6875 GHz band, N/A
<input type="checkbox"/>	For the 6875-7125 GHz band, N/A

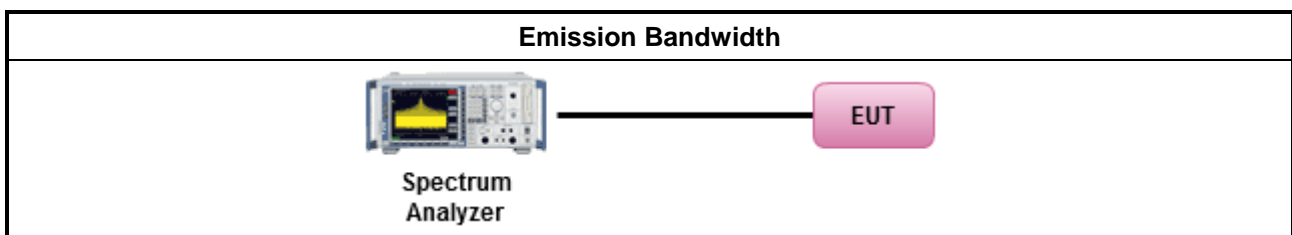
#### 3.2.2 Measuring Instruments

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: 30px; text-align: center;"><input checked="" type="checkbox"/></td> <td>According to FCC KDB 987594 D02 clause II.C, measurement procedure shall refer to FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.</td> </tr> <tr> <td style="text-align: center;"><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"/>	According to FCC KDB 987594 D02 clause II.C, measurement procedure shall refer to 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"/>	According to FCC KDB 987594 D02 clause II.C, measurement procedure shall refer to 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 Equivalent Isotropically Radiated Power (E.I.R.P.)

#### 3.3.1 Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Limit

Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Limit	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/>	For the 5.925 ~ 6.425 GHz band:
<input type="checkbox"/>	For the 6.425 ~ 6.525 GHz band:
<input checked="" type="checkbox"/>	For the 6.525 ~ 6.875 GHz band:
<input checked="" type="checkbox"/>	For the 6.875 ~ 7.125 GHz band:
<b>RLAN Devices</b>	
<input type="checkbox"/>	For the 5.925 ~ 7.125 GHz band:
<input type="checkbox"/>	For the 5.925 ~ 6.875 GHz band:

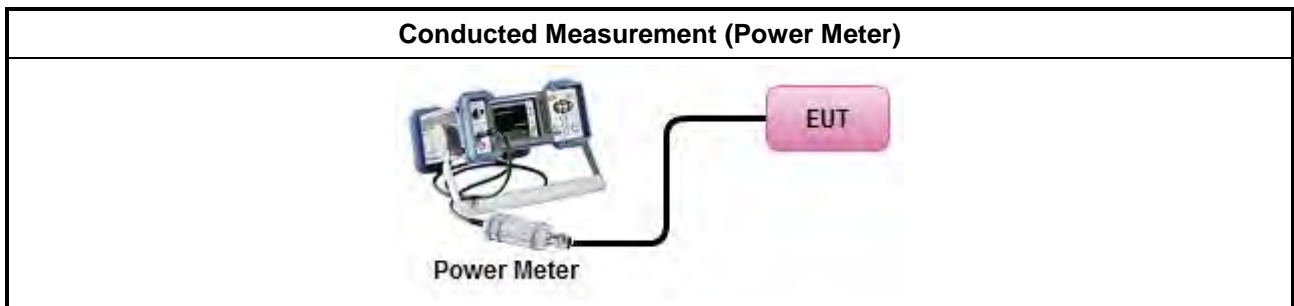
#### 3.3.2 Measuring Instruments

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

**3.3.3 Test Procedures**

Test Method	
<ul style="list-style-type: none"> <li>▪ According to FCC KDB 987594 D02 clause II.E, the test measurement procedure shall refer to KDB 789033.</li> </ul>	
Average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging). Spectrum analyzer setting: RBW/VBW : 1/3MHz ; Detector : RMS ; Trace mode : Average ; Sweep Count 100.
<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**



**3.3.5 Test Result of Maximum Equivalent Isotropically Radiated Power (E.I.R.P)**

Refer as Appendix C



### 3.4 Peak Power Spectral Density (E.I.R.P.)

#### 3.4.1 Peak Power Spectral Density (E.I.R.P.) Limit

Peak Power Spectral Density (E.I.R.P.) Limit	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/>	For the 5.925 ~ 6.425 GHz band:
<input type="checkbox"/>	For the 6.425 ~ 6.525 GHz band:
<input checked="" type="checkbox"/>	For the 6.525 ~ 6.875 GHz band:
<input checked="" type="checkbox"/>	For the 6.875 ~ 7.125 GHz band:
<b>RLAN Devices</b>	
<input type="checkbox"/>	For the 5.925 ~ 7.125 GHz band:
<input type="checkbox"/>	For the 5.925 ~ 6.875 GHz band:

#### 3.4.2 Measuring Instruments

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

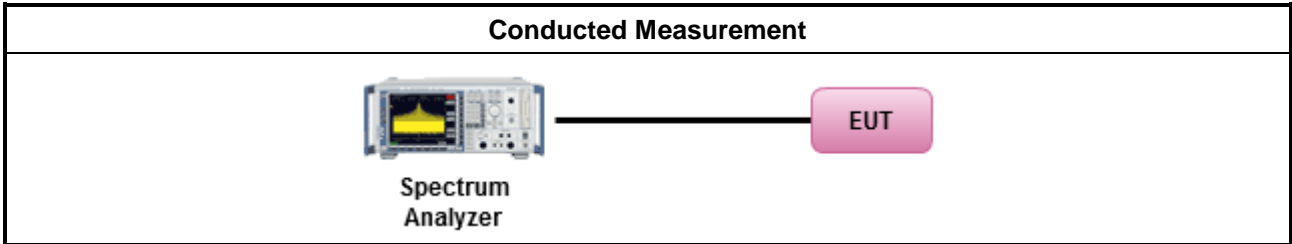


**3.4.3 Test Procedures**

<b>Test Method</b>	
	<ul style="list-style-type: none"> <li>▪ According to FCC KDB 987594 D02 clause II.F, the measurement procedure shall refer to KDB 789033. 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> </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>Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.</li> </ul>

**3.4.4 Test Setup**



**3.4.5 Test Result of Peak Power Spectral Density (E.I.R.P.)**

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

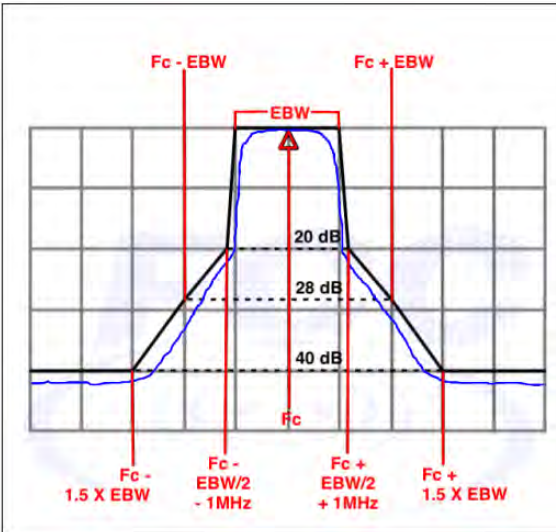
Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance 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( $20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$ ).  
EX. Above 18GHz emission limit calculation (3m to 1m) =  $54\text{dBuV/m at } 3\text{m} + 9.54\text{dB} = 63.54\text{ dBuV/m at } 1\text{m}$ .

Un-restricted band emissions above 1GHz Limit	
Frequency	Limit
Any outside the 5.945 – 7.125 GHz emission	<p>e.i.r.p. -27 dBm [68.2 dBuV/m@3m]</p> <p>Note 1: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m(<math>20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}</math>). EX. Above 18GHz emission limit calculation (3m to 1m) = <math>68.2\text{dBuV/m at } 3\text{m} + 9.54\text{dB} = 77.74\text{ dBuV/m at } 1\text{m}</math>.</p> <p>Note 2:-27 dBm EIRP OOBE is measured RMS which is a deviation from the current 15E rules for 5 GHz bands. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.</p>



Frequency	Emission MASK Limit
5.945 – 7.125 GHz	<p>Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.</p> 



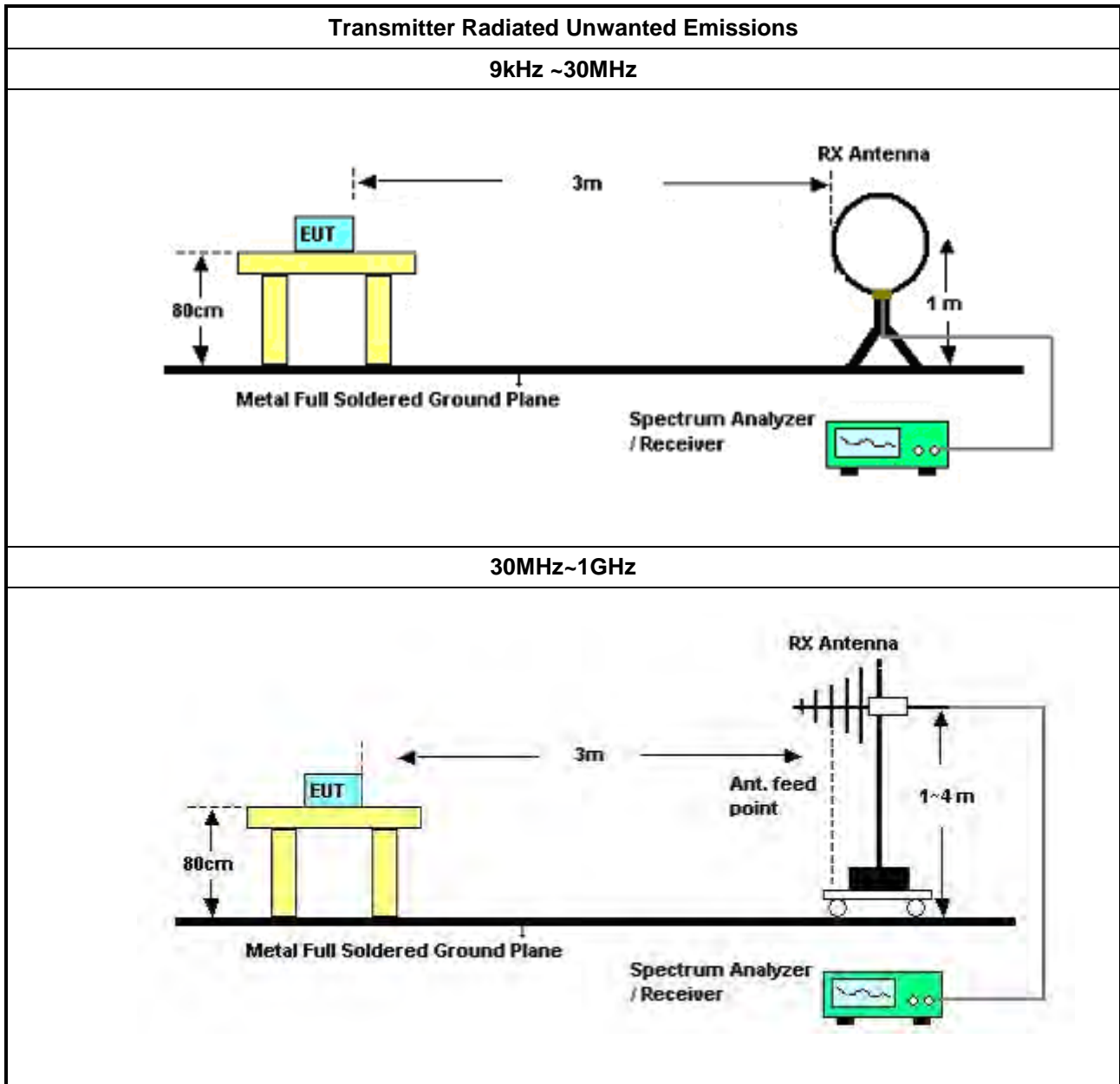
**3.5.2 Measuring Instruments**

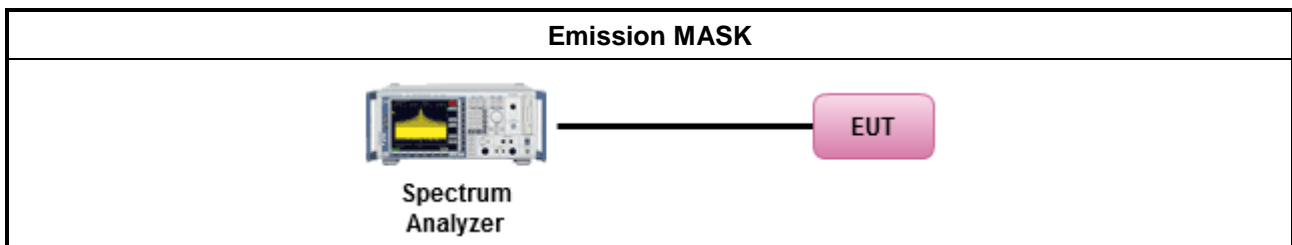
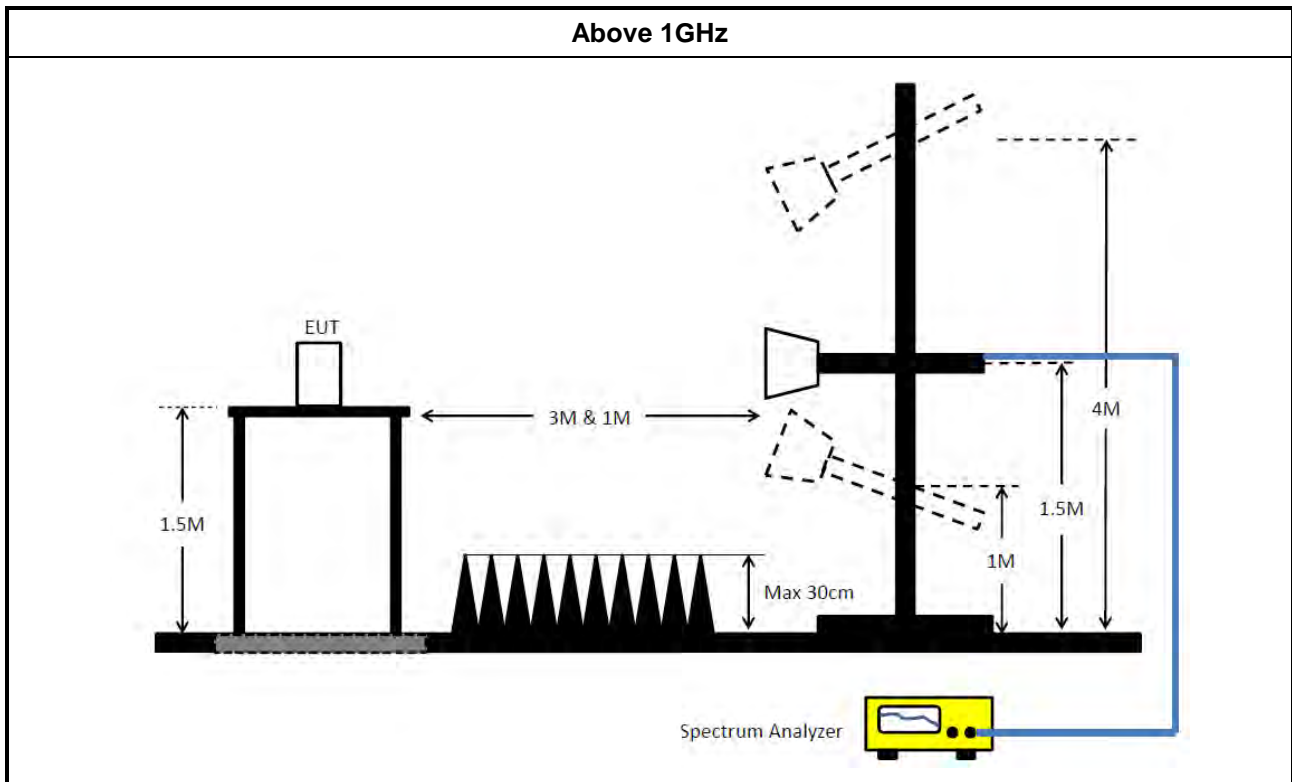
Refer a test equipment and calibration data table in this test report.

**3.5.3 Test Procedures**

<b>Test Method</b>	
<ul style="list-style-type: none"> <li>▪ According to FCC KDB 987594 D02 II.G. the unwanted emission measurement procedure shall refer to KDB 789300(except emission MASK). 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 checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging). (For unrestricted band measurement)
	<input type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	<input checked="" type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.( For restricted band average measurement)
	<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>▪ Refer as FCC KDB 789033 D02, clause G)3)d)ii) for Band edge Integration measurements.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ For emission MASK shall be measured using following options below:</li> </ul>	
	<input checked="" type="checkbox"/> Refer as FCC KDB 987594 D02, J) In-Band Emissions
<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

### 3.6 Contention Based Protocol

#### 3.6.1 Contention Based Protocol Limit

EUT can detect an AWGN signal with 90% (or better) level of certainty.

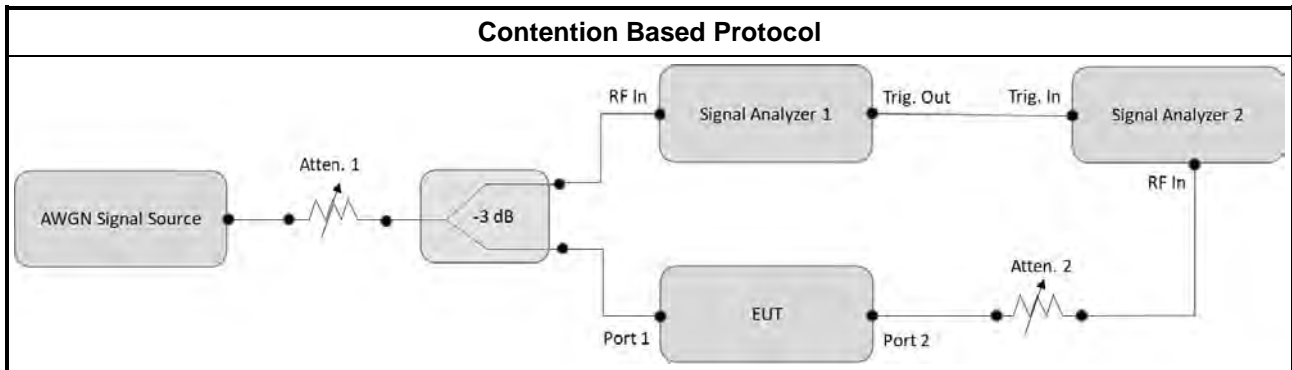
#### 3.6.2 Measuring Instruments

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

#### 3.6.3 Test Procedures

Test Method	
<input type="checkbox"/>	For Contention Based Protocol shall be measured using following options below:
<input checked="" type="checkbox"/>	Refer as FCC KDB 987594 D02, I) Contention Based Protocol.

#### 3.6.4 Test Setup



#### 3.6.5 Test Result of Contention Based Protocol

Refer as Appendix F



## 4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 23, 2023	Mar. 22, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 04, 2022	Aug. 03, 2023	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 03, 2023	Aug. 02, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Sep. 30, 2022	Sep. 29, 2023	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 05, 2023	May 04, 2024	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 31, 2022	Jul. 30, 2023	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 30, 2023	Jul. 29, 2024	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 02, 2022	Aug. 01, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 21, 2022	Dec. 20, 2023	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-68	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Dec. 21, 2022	Dec. 20, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Band Rejector	MTJ	6G Band Rejector	CB6G-BRJ-01	1GHz ~ 7.4GHz	Oct. 04, 2022	Oct. 03, 2023	Radiation (03CH06-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1GHz ~ 7.4GHz	Oct. 03, 2023	Oct. 02, 2024	Radiation (03CH06-CB)
Band Rejector	MTJ	6G Band Rejector	CB6G-BRJ-02	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Radiation (03CH06-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1GHz ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 29, 2022	Nov. 29, 2023	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Band Rejector	MTJ	6G Band Rejector	CB6G-BRJ-01	1GHz ~ 7.4GHz	Oct. 04, 2022	Oct. 03, 2023	Radiation (03CH02-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1GHz ~ 7.4GHz	Oct. 03, 2023	Oct. 02, 2024	Radiation (03CH02-CB)
Band Rejector	MTJ	6G Band Rejector	CB6G-BRJ-02	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Radiation (03CH02-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1GHz ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 14, 2023	Aug. 13, 2024	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1531343	300MHz~40GHz	Aug. 23, 2023	Aug. 22, 2024	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1728001	300MHz~40GHz	Aug. 23, 2023	Aug. 22, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)





Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 –26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	May 29, 2023	May 28, 2024	Conducted (DF02-CB)
Vector Signal generator	R&S	SMW200A	109426	100kHz- 7.5GHz	Dec. 29, 2022	Dec. 28, 2023	Conducted (DF02-CB)
Signal generator	R&S	SMB100A	181239	1MHz-40GHz	Dec. 30, 2022	Dec. 29, 2023	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-8G -05	1 ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-8G -06	1 ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-8G -07	1 ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-8G -08	1 ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	Cable-60	1~18 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	Cable-61	1~18 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	Cable-63	1~18 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (DF02-CB)
100MS/s Digitizer	N.I	USB-5133	F65206	N/A	Mar. 17, 2023	Mar. 16, 2024	Conducted (DF02-CB)

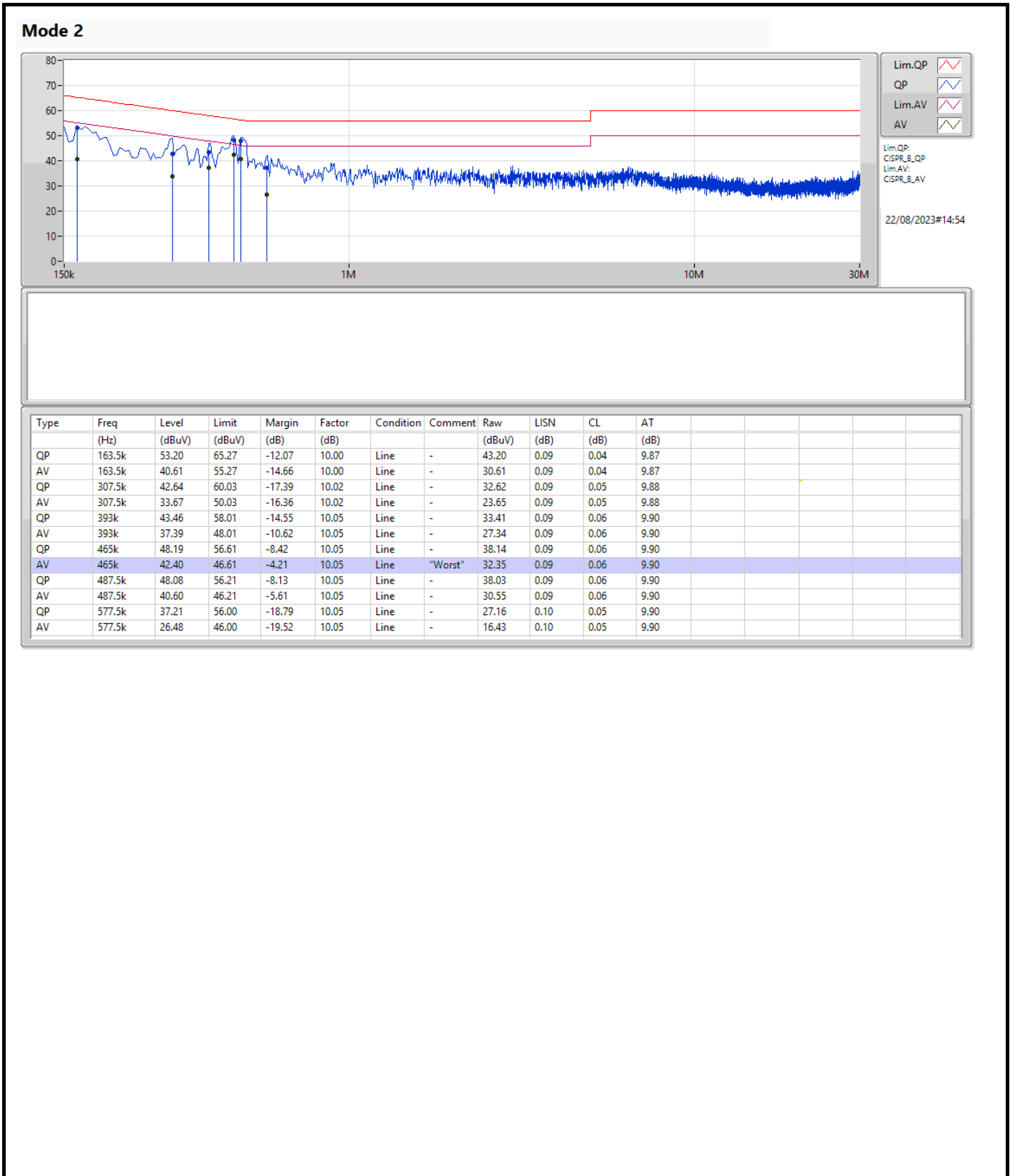
Note: Calibration Interval of instruments listed above is one year.

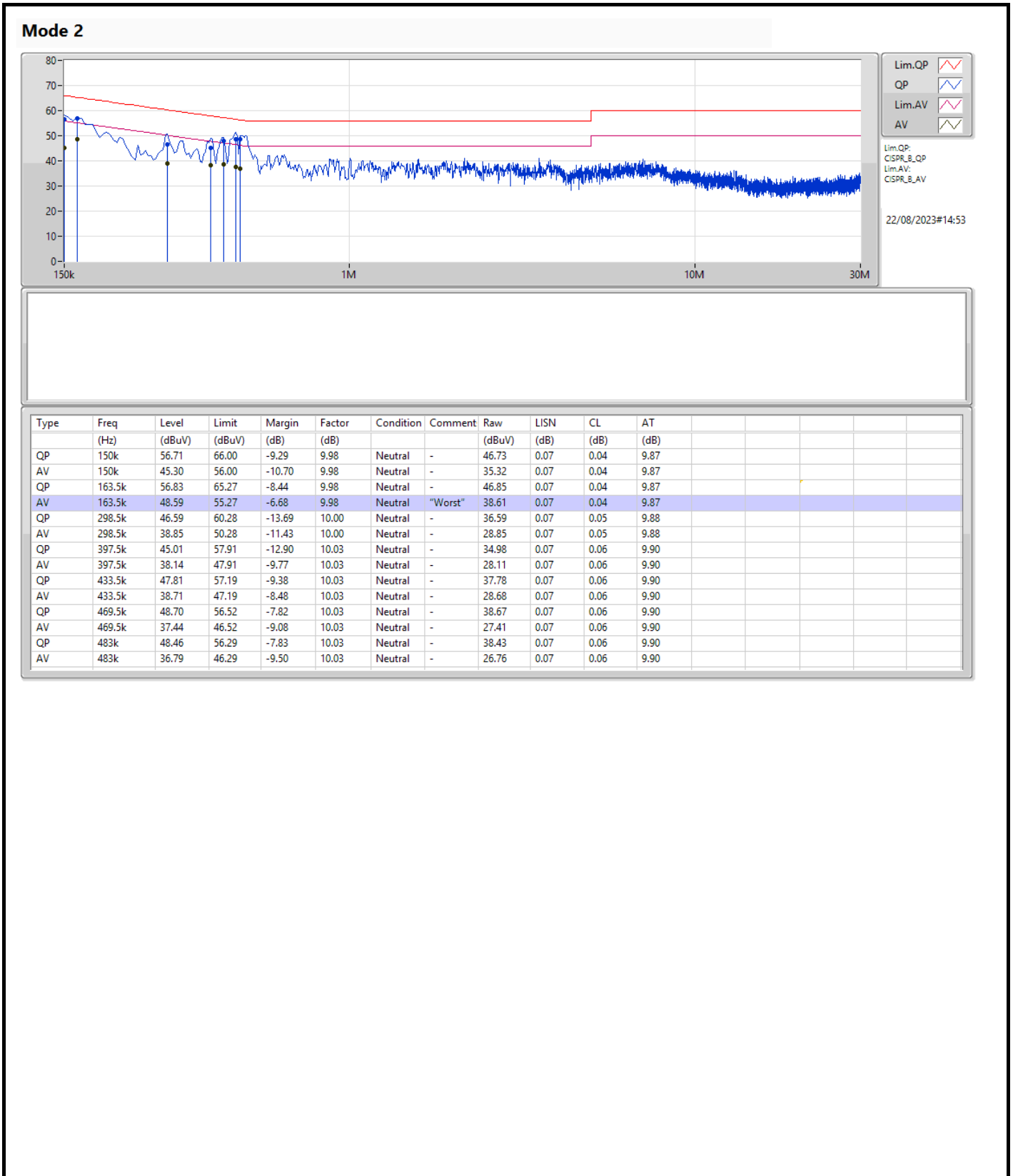
NCR means Non-Calibration required.



**Summary**

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





**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.395M	16.8M	16M8D1D	20.405M	16.47M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	21.45M	19.185M	19M2D1D	20.68M	18.93M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	21.505M	19.122M	19M1D1D	20.515M	18.912M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	39.82M	37.798M	37M8D1D	39.05M	37.454M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	39.93M	37.874M	37M9D1D	38.83M	37.571M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	81.4M	77.401M	77M4D1D	80.08M	76.541M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	81.18M	77.384M	77M4D1D	80.08M	76.805M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	162.8M	156.93M	157MD1D	161.48M	155.188M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	162.8M	156.382M	156MD1D	161.48M	154.493M
802.11be EHT320-BF_Nss1,(MCS0)_4TX	324.72M	314.956M	315MD1D	323.84M	311.884M
802.11be EHT320-BF_Nss2,(MCS0)_4TX	391.6M	315.228M	315MD1D	322.96M	312.372M

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	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	-	-	-	-	-	-	-	-	-
595MHz	Pass	20.405M	16.536M	20.735M	16.58M	21.065M	16.624M	20.79M	16.734M
6195MHz	Pass	21.175M	16.646M	21.395M	16.47M	20.845M	16.624M	20.735M	16.558M
6415MHz	Pass	20.68M	16.8M	20.515M	16.734M	21.175M	16.646M	20.57M	16.668M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
595MHz	Pass	21.45M	19.071M	21.12M	19M	20.68M	19.18M	21.285M	18.983M
6195MHz	Pass	21.175M	19.185M	21.34M	19.009M	21.175M	19.023M	20.845M	18.977M
6415MHz	Pass	20.68M	18.973M	20.735M	18.974M	21.34M	19.002M	21.065M	18.93M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5965MHz	Pass	39.05M	37.557M	39.38M	37.454M	39.27M	37.46M	39.16M	37.577M
6205MHz	Pass	39.38M	37.636M	39.6M	37.63M	39.27M	37.724M	39.38M	37.549M
6405MHz	Pass	39.27M	37.754M	39.82M	37.608M	39.82M	37.62M	39.38M	37.798M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5985MHz	Pass	80.3M	77.148M	80.96M	76.894M	80.52M	77.104M	80.52M	76.72M
6225MHz	Pass	80.08M	77.082M	80.52M	77.302M	81.4M	77.258M	80.74M	77.162M
6385MHz	Pass	80.3M	76.546M	80.08M	77.401M	81.4M	76.541M	80.08M	76.747M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6025MHz	Pass	162.36M	155.832M	161.48M	155.188M	161.92M	155.461M	161.92M	155.66M
6185MHz	Pass	162.36M	156.295M	162.36M	155.909M	161.48M	156.712M	162.8M	156.93M
6345MHz	Pass	162.8M	155.339M	162.36M	155.804M	161.48M	155.718M	161.92M	156.085M
802.11be EHT320-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6105MHz	Pass	323.84M	314.956M	323.84M	311.884M	323.84M	314.684M	323.84M	314.922M
6265MHz	Pass	323.84M	312.858M	323.84M	313.034M	323.84M	313.707M	324.72M	313.334M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
595MHz	Pass	21.01M	18.957M	20.735M	18.998M	21.505M	19.029M	20.735M	19.014M
6195MHz	Pass	21.34M	18.969M	21.12M	19.092M	20.955M	19.087M	21.01M	18.912M
6415MHz	Pass	21.01M	18.974M	20.515M	19.122M	20.735M	18.925M	20.9M	18.976M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5965MHz	Pass	39.05M	37.685M	38.94M	37.571M	39.93M	37.634M	39.27M	37.703M
6205MHz	Pass	39.71M	37.874M	39.71M	37.848M	39.49M	37.656M	39.38M	37.818M
6405MHz	Pass	39.82M	37.746M	39.27M	37.721M	39.71M	37.66M	38.83M	37.839M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5985MHz	Pass	80.3M	76.806M	80.52M	77.384M	80.52M	77.153M	80.96M	77.182M
6225MHz	Pass	80.08M	77.312M	80.08M	77.066M	80.08M	76.857M	80.3M	77.252M
6385MHz	Pass	80.08M	76.805M	80.52M	77.114M	81.18M	76.843M	80.96M	76.853M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6025MHz	Pass	162.36M	154.493M	161.92M	155.436M	162.36M	155.809M	162.36M	155.427M
6185MHz	Pass	162.36M	156.323M	162.36M	156.101M	162.8M	154.876M	161.48M	156.382M
6345MHz	Pass	162.8M	155.18M	162.36M	156.053M	161.48M	155.753M	161.92M	155.296M
802.11be EHT320-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6105MHz	Pass	322.96M	313.49M	323.84M	313.426M	325.6M	313.619M	323.84M	313.06M
6265MHz	Pass	391.6M	312.477M	323.84M	315.228M	323.84M	312.851M	391.6M	312.372M

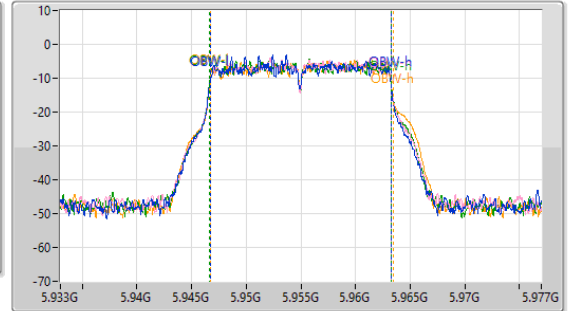
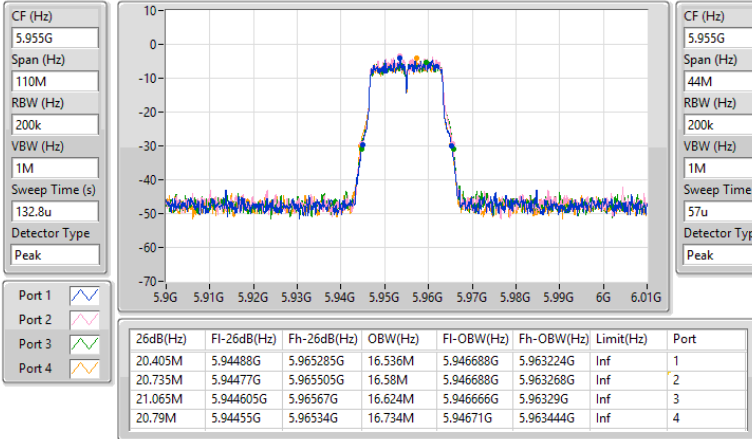
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
 Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

5955MHz

16/10/2023

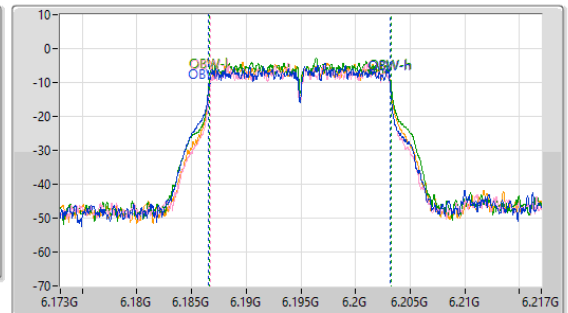
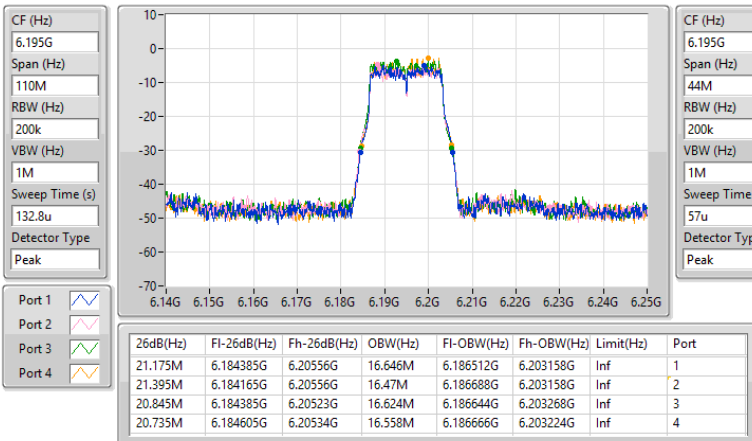


5.925-6.425GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

6195MHz

16/10/2023

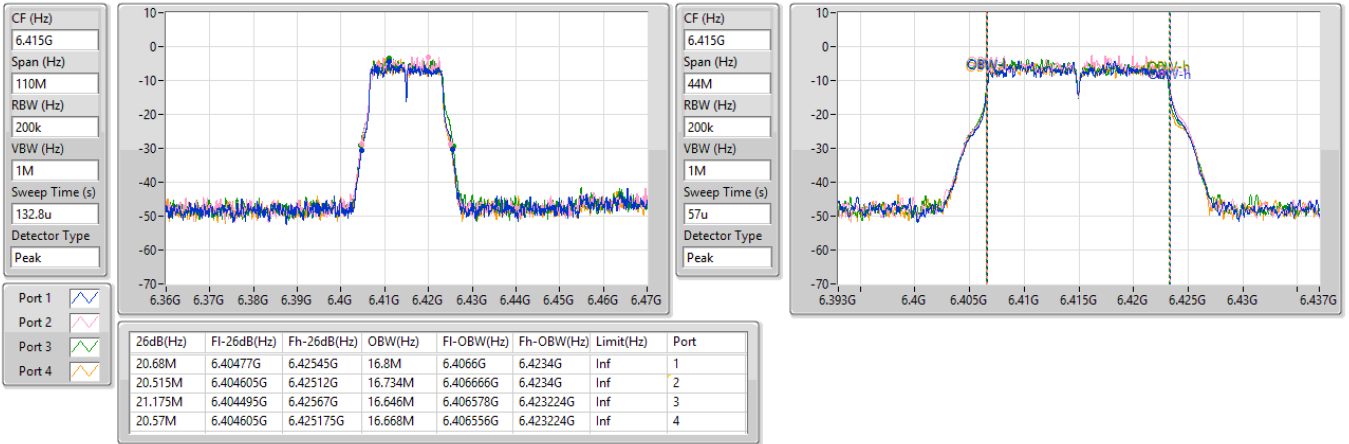


5.925-6.425GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

6415MHz

16/10/2023

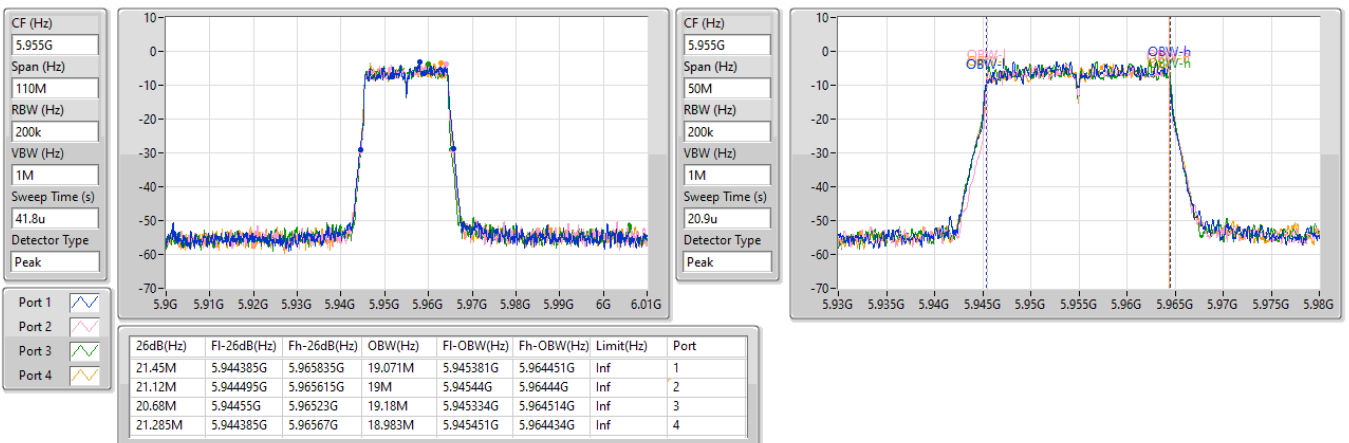


5.925-6.425GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

5955MHz

14/09/2023





5.925-6.425GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

6195MHz

14/09/2023

CF (Hz)  
6.195G

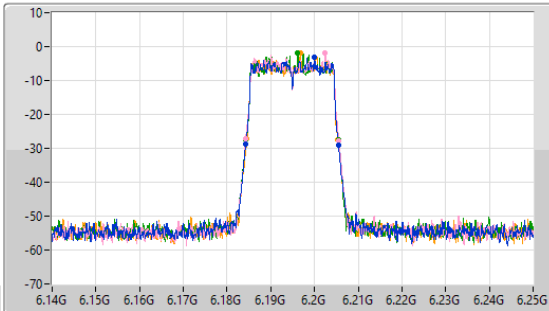
Span (Hz)  
110M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
41.8u

Detector Type  
Peak



CF (Hz)  
6.195G

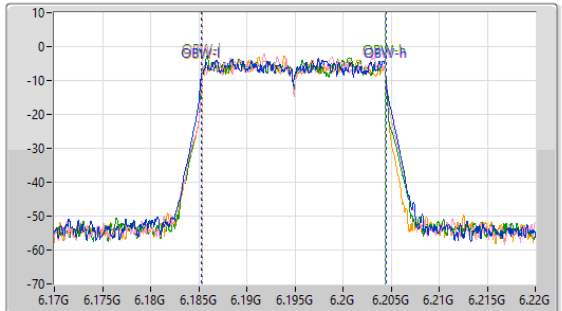
Span (Hz)  
50M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
20.9u

Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.175M	6.184275G	6.20545G	19.185M	6.18527G	6.204455G	Inf	1
21.34M	6.184275G	6.205615G	19.009M	6.185438G	6.204447G	Inf	2
21.175M	6.18433G	6.205505G	19.023M	6.185385G	6.204408G	Inf	3
20.845M	6.18455G	6.205395G	18.977M	6.185414G	6.204392G	Inf	4

5.925-6.425GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

6415MHz

14/09/2023

CF (Hz)  
6.415G

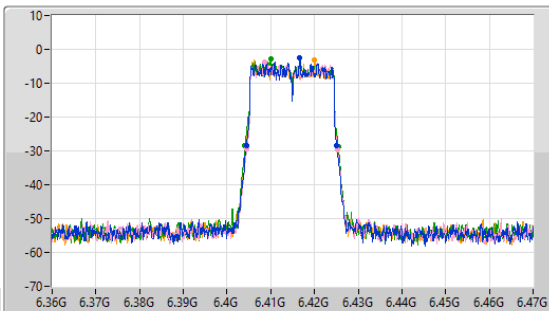
Span (Hz)  
110M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
41.8u

Detector Type  
Peak



CF (Hz)  
6.415G

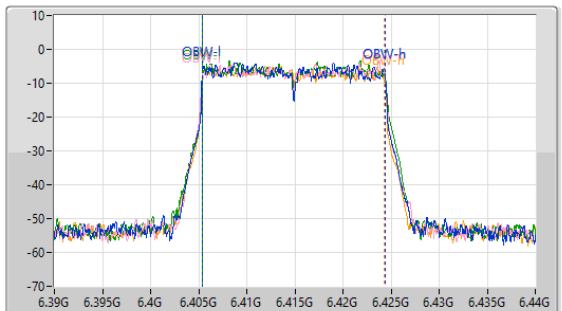
Span (Hz)  
50M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
20.9u

Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.68M	6.404385G	6.425065G	18.973M	6.405413G	6.424386G	Inf	1
20.735M	6.40455G	6.425285G	18.974M	6.405413G	6.424387G	Inf	2
21.34M	6.40411G	6.42545G	19.002M	6.405416G	6.424418G	Inf	3
21.065M	6.40422G	6.425285G	18.93M	6.405402G	6.424332G	Inf	4

5.925-6.425GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

5965MHz

14/09/2023

CF (Hz)  
5.965G

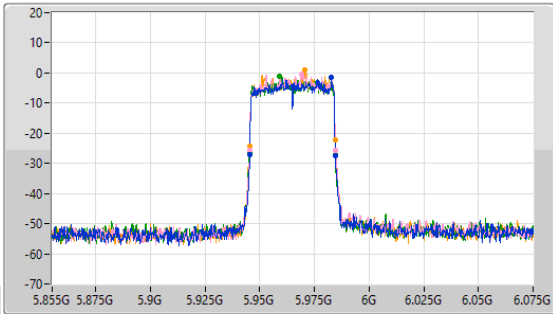
Span (Hz)  
220M

RBW (Hz)  
300k

VBW (Hz)  
1M

Sweep Time (s)  
48.7u

Detector Type  
Peak



CF (Hz)  
5.965G

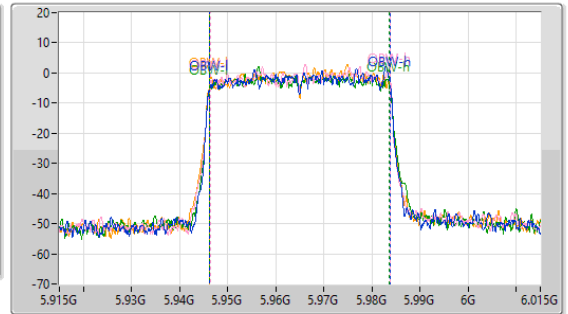
Span (Hz)  
100M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
12.6u

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
39.05M	5.94542G	5.98447G	37.557M	5.946231G	5.983787G	Inf	1
39.38M	5.94542G	5.9848G	37.454M	5.946363G	5.983817G	Inf	2
39.27M	5.9452G	5.98447G	37.46M	5.946192G	5.983653G	Inf	3
39.16M	5.9452G	5.98436G	37.577M	5.946205G	5.983781G	Inf	4

5.925-6.425GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

6205MHz

14/09/2023

CF (Hz)  
6.205G

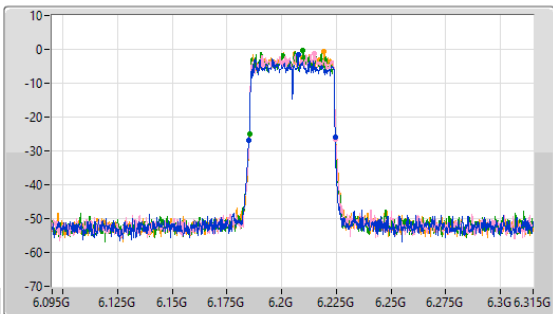
Span (Hz)  
220M

RBW (Hz)  
300k

VBW (Hz)  
1M

Sweep Time (s)  
48.7u

Detector Type  
Peak



CF (Hz)  
6.205G

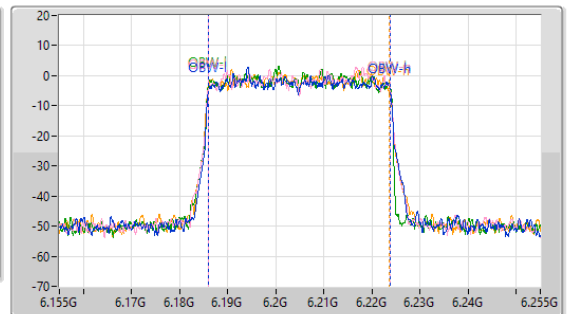
Span (Hz)  
100M

RBW (Hz)  
500k

VBW (Hz)  
2M

Sweep Time (s)  
12.6u

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

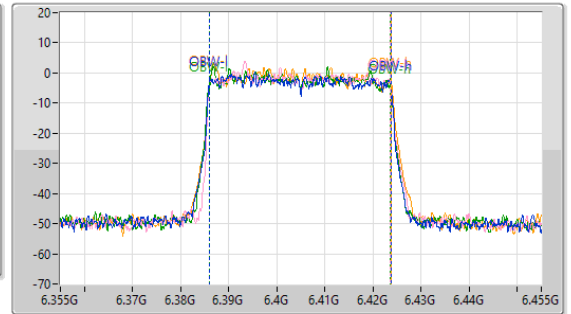
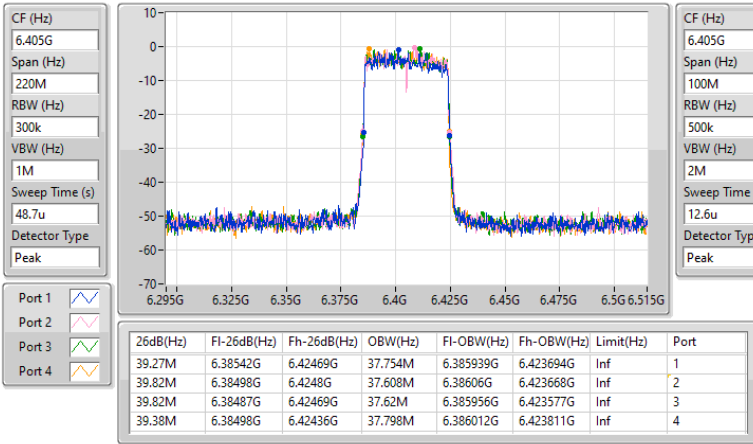
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.38M	6.18498G	6.22436G	37.636M	6.186094G	6.22373G	Inf	1
39.6M	6.18509G	6.22469G	37.63M	6.186075G	6.223706G	Inf	2
39.27M	6.1852G	6.22447G	37.724M	6.186017G	6.223741G	Inf	3
39.38M	6.18531G	6.22469G	37.549M	6.185979G	6.223528G	Inf	4

5.925-6.425GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

6405MHz

14/09/2023

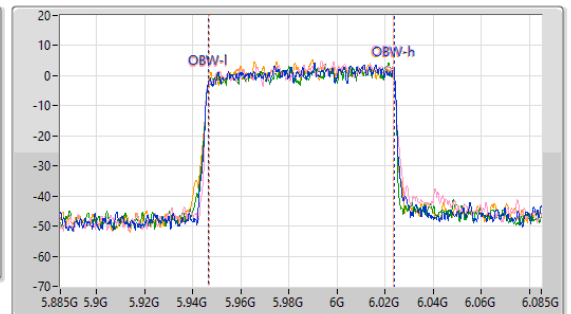
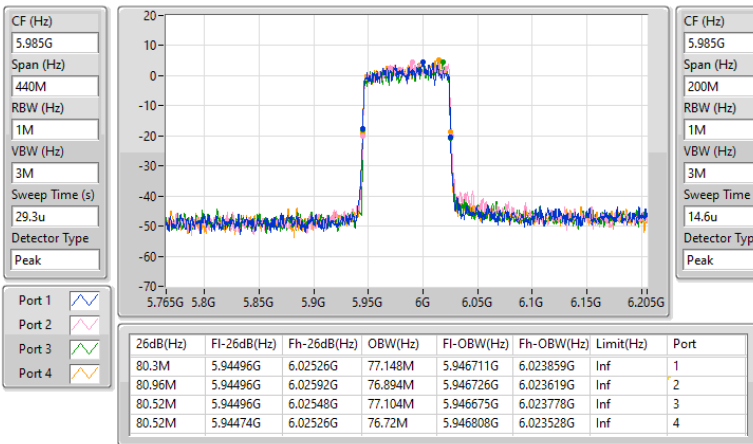


5.925-6.425GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

5985MHz

14/09/2023



5.925-6.425GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

6225MHz

14/09/2023

CF (Hz)  
6.225G

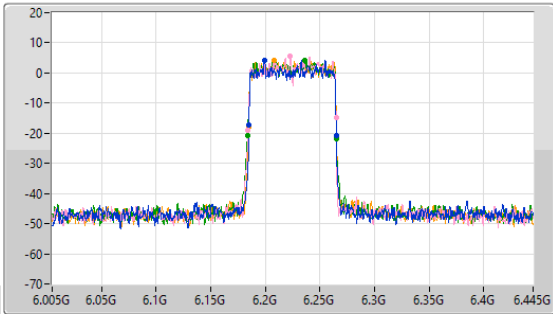
Span (Hz)  
440M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
29.3u

Detector Type  
Peak



CF (Hz)  
6.225G

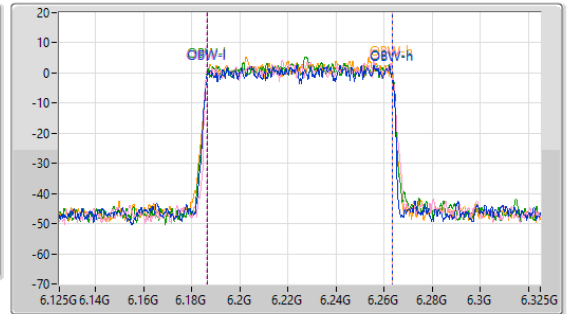
Span (Hz)  
200M


RBW (Hz)  
1M


VBW (Hz)  
3M


Sweep Time (s)  
14.6u


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
80.08M	6.18496G	6.26504G	77.082M	6.186361G	6.263442G	Inf	1
80.52M	6.1843G	6.26482G	77.302M	6.186303G	6.263605G	Inf	2
81.4M	6.18364G	6.26504G	77.258M	6.186365G	6.263623G	Inf	3
80.74M	6.18452G	6.26526G	77.162M	6.186362G	6.263525G	Inf	4

5.925-6.425GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

6385MHz

14/09/2023

CF (Hz)  
6.385G

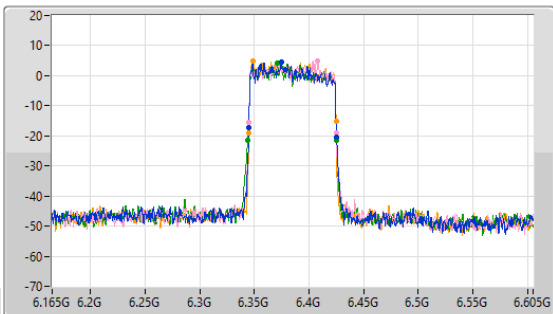
Span (Hz)  
440M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
29.3u

Detector Type  
Peak



CF (Hz)  
6.385G

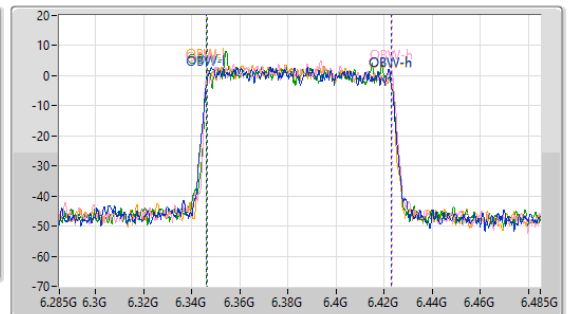
Span (Hz)  
200M


RBW (Hz)  
1M


VBW (Hz)  
3M


Sweep Time (s)  
14.6u


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
80.3M	6.34496G	6.42526G	76.546M	6.346304G	6.422851G	Inf	1
80.08M	6.34496G	6.42504G	77.401M	6.346169G	6.423569G	Inf	2
81.4M	6.34386G	6.42526G	76.541M	6.346544G	6.423085G	Inf	3
80.08M	6.34474G	6.42482G	76.747M	6.346191G	6.422938G	Inf	4

5.925-6.425GHz\_802.11be EHT160-BF\_Nss1,(MCS0)\_4TX

EBW

6025MHz

14/09/2023

CF (Hz)  
6.025G

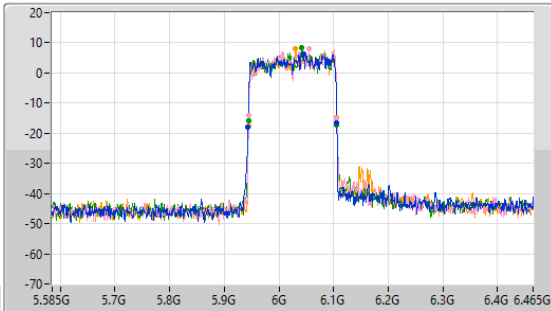
Span (Hz)  
800M

RBW (Hz)  
2M

VBW (Hz)  
10M

Sweep Time (s)  
34.6u

Detector Type  
Peak



CF (Hz)  
6.025G

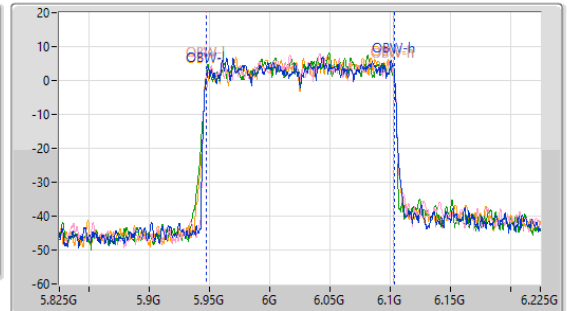
Span (Hz)  
400M

RBW (Hz)  
2M

VBW (Hz)  
10M

Sweep Time (s)  
15.8u

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
162.36M	5.9436G	6.10596G	155.832M	5.947453G	6.103285G	Inf	1
161.48M	5.94448G	6.10596G	155.188M	5.947463G	6.102651G	Inf	2
161.92M	5.94404G	6.10596G	155.461M	5.947393G	6.102853G	Inf	3
161.92M	5.94404G	6.10596G	155.66M	5.947371G	6.103031G	Inf	4

5.925-6.425GHz\_802.11be EHT160-BF\_Nss1,(MCS0)\_4TX

EBW

6185MHz

14/09/2023

CF (Hz)  
6.185G

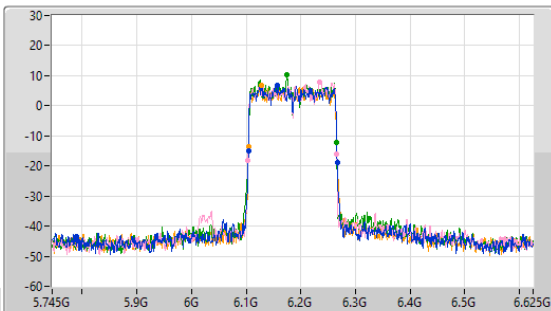
Span (Hz)  
800M

RBW (Hz)  
2M

VBW (Hz)  
10M

Sweep Time (s)  
34.6u

Detector Type  
Peak



CF (Hz)  
6.185G

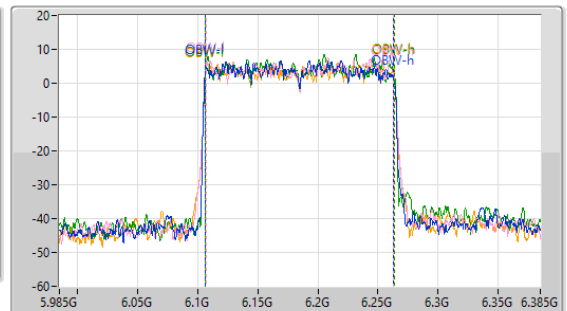
Span (Hz)  
400M

RBW (Hz)  
2M

VBW (Hz)  
10M

Sweep Time (s)  
15.8u

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

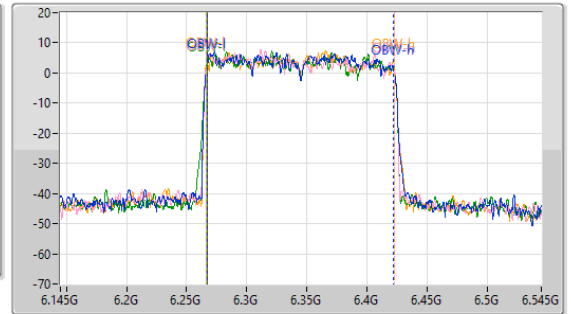
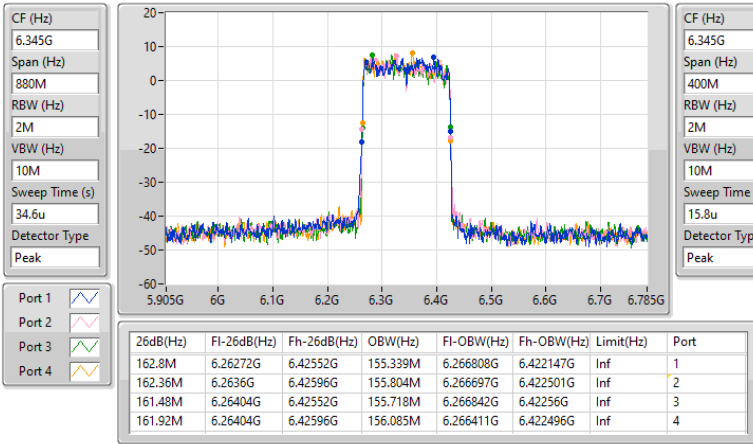
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
162.36M	6.10404G	6.2664G	156.295M	6.106472G	6.262767G	Inf	1
162.36M	6.1036G	6.26596G	155.909M	6.10702G	6.26293G	Inf	2
161.48M	6.10404G	6.26552G	156.712M	6.106654G	6.263366G	Inf	3
162.8M	6.10404G	6.26684G	156.93M	6.106665G	6.263595G	Inf	4

5.925-6.425GHz\_802.11be EHT160-BF\_Nss1,(MCS0)\_4TX

EBW

6345MHz

14/09/2023

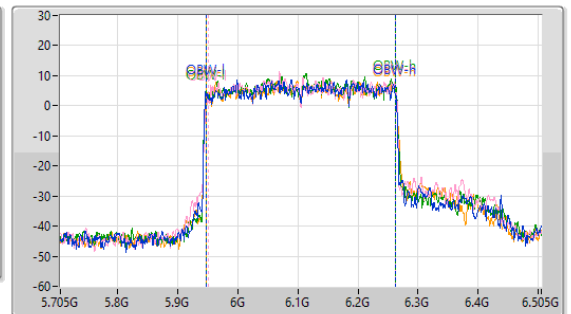
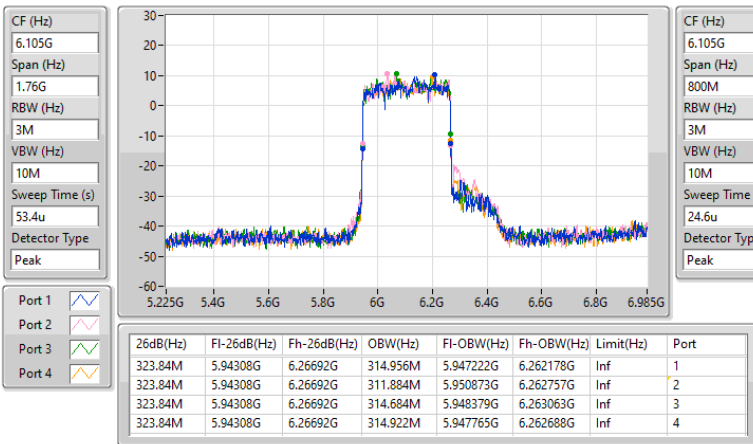


5.925-6.425GHz\_802.11be EHT320-BF\_Nss1,(MCS0)\_4TX

EBW

6105MHz

14/09/2023



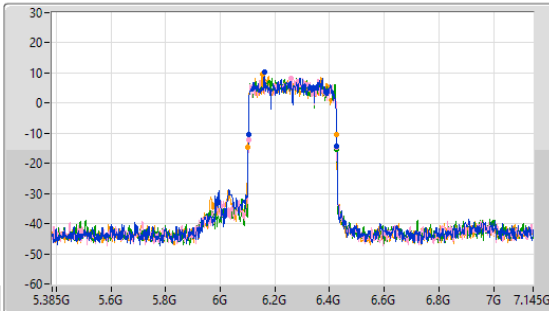
5.925-6.425GHz\_802.11be EHT320-BF\_Nss1,(MCS0)\_4TX

EBW

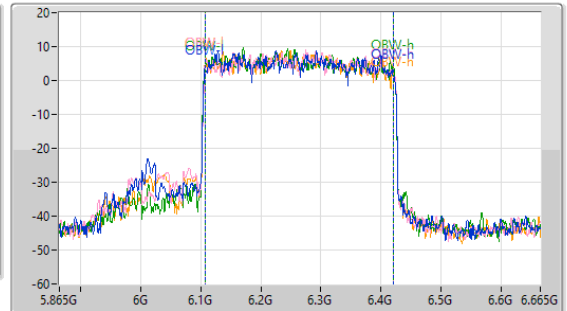
6265MHz

14/09/2023

CF (Hz)  
6.265G  
Span (Hz)  
1.76G  
RBW (Hz)  
3M  
VBW (Hz)  
10M  
Sweep Time (s)  
53.4u  
Detector Type  
Peak



CF (Hz)  
6.265G  
Span (Hz)  
800M  
RBW (Hz)  
3M  
VBW (Hz)  
10M  
Sweep Time (s)  
24.6u  
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
323.84M	6.10308G	6.42692G	312.858M	6.107417G	6.420274G	Inf	1
323.84M	6.10308G	6.42692G	313.034M	6.107599G	6.420633G	Inf	2
323.84M	6.10308G	6.42692G	313.707M	6.107284G	6.42099G	Inf	3
324.72M	6.10132G	6.42604G	313.334M	6.107206G	6.42054G	Inf	4

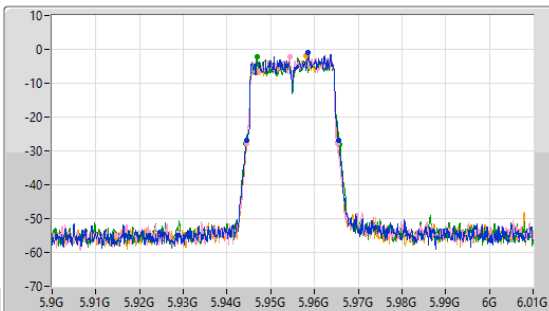
5.925-6.425GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

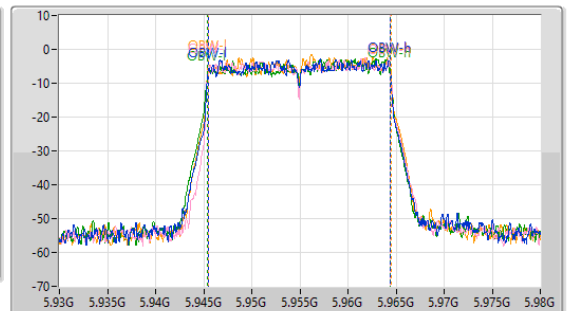
5955MHz

14/09/2023

CF (Hz)  
5.955G  
Span (Hz)  
110M  
RBW (Hz)  
200k  
VBW (Hz)  
1M  
Sweep Time (s)  
41.8u  
Detector Type  
Peak



CF (Hz)  
5.955G  
Span (Hz)  
50M  
RBW (Hz)  
200k  
VBW (Hz)  
1M  
Sweep Time (s)  
20.9u  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

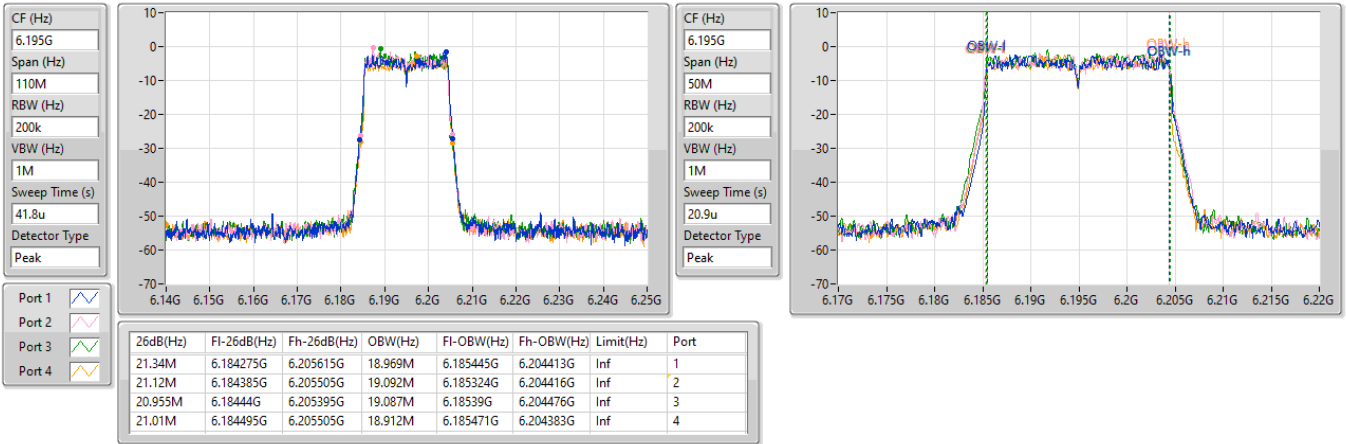
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.01M	5.944495G	5.965505G	18.957M	5.945462G	5.96442G	Inf	1
20.735M	5.94444G	5.965175G	18.998M	5.945447G	5.964445G	Inf	2
21.505M	5.94433G	5.965835G	19.029M	5.945398G	5.964427G	Inf	3
20.735M	5.94455G	5.965285G	19.014M	5.945444G	5.964458G	Inf	4

5.925-6.425GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

6195MHz

14/09/2023

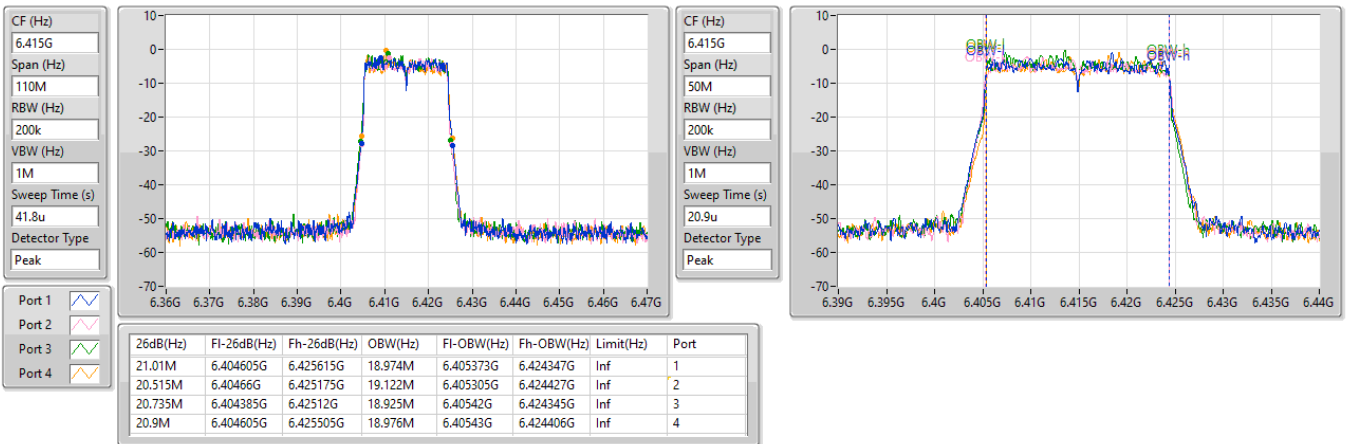


5.925-6.425GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

6415MHz

14/09/2023



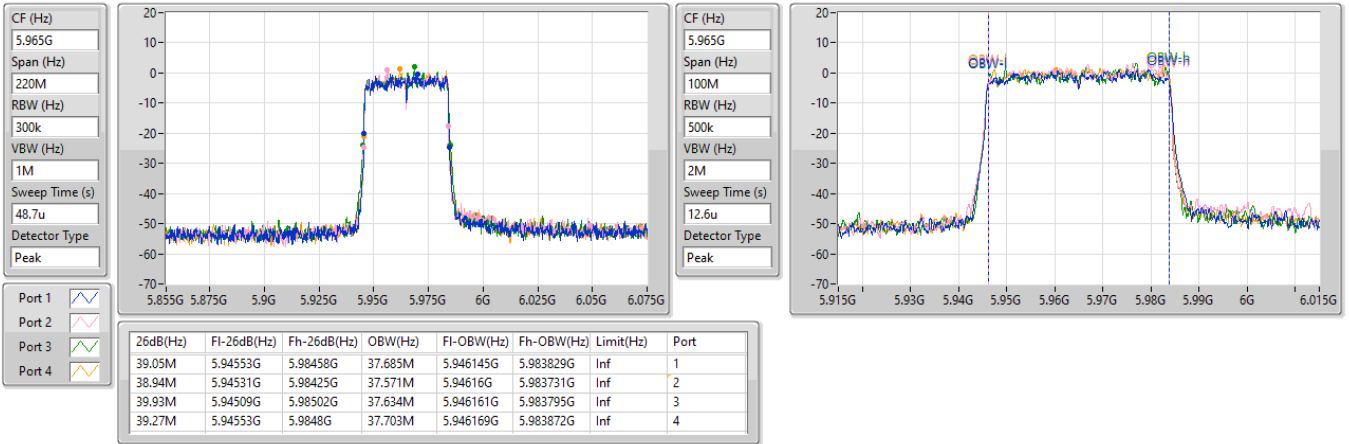


5.925-6.425GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

5965MHz

14/09/2023

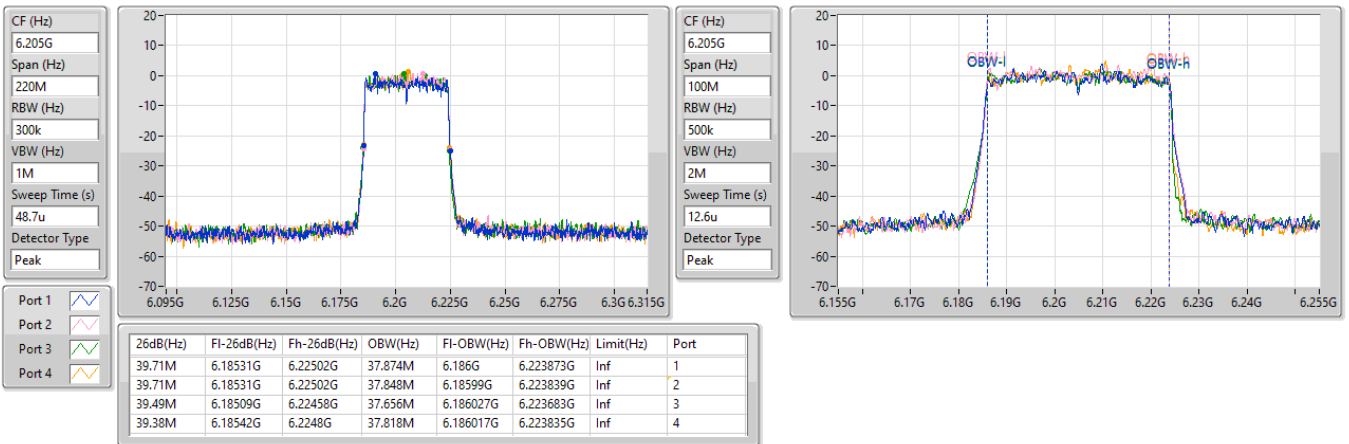


5.925-6.425GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

6205MHz

14/09/2023

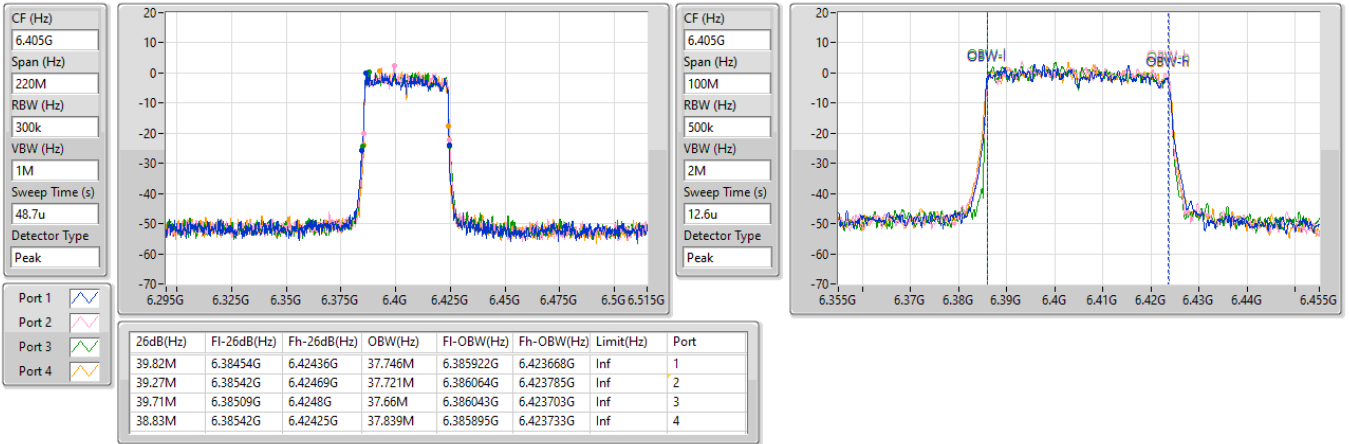


5.925-6.425GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

6405MHz

14/09/2023

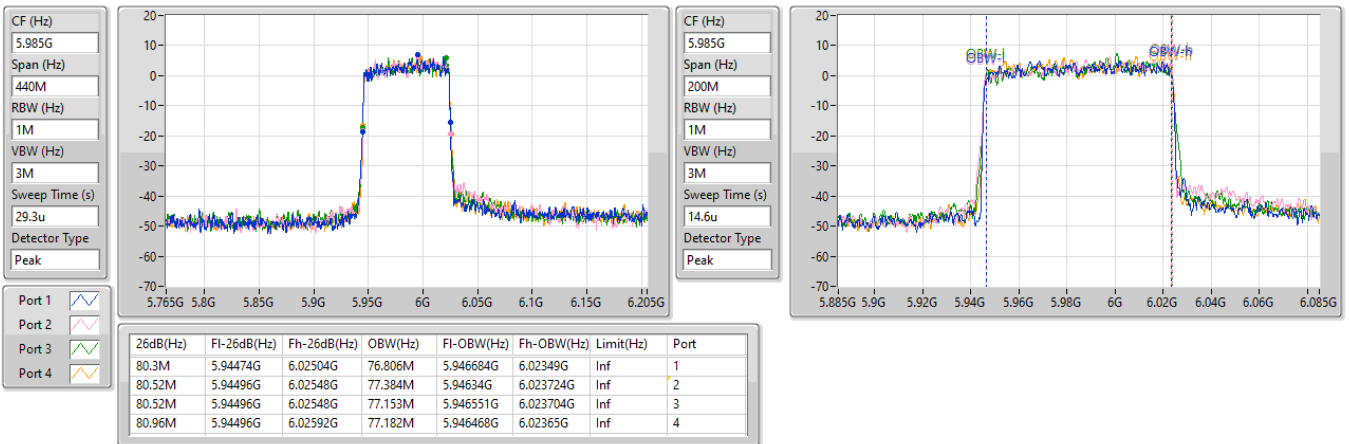


5.925-6.425GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

5985MHz

14/09/2023

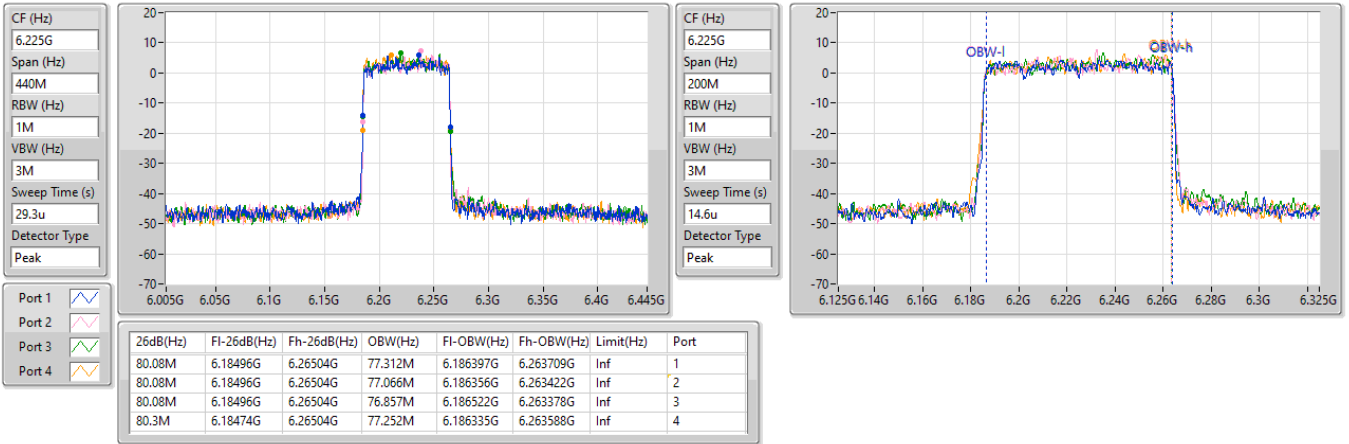


5.925-6.425GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

6225MHz

14/09/2023

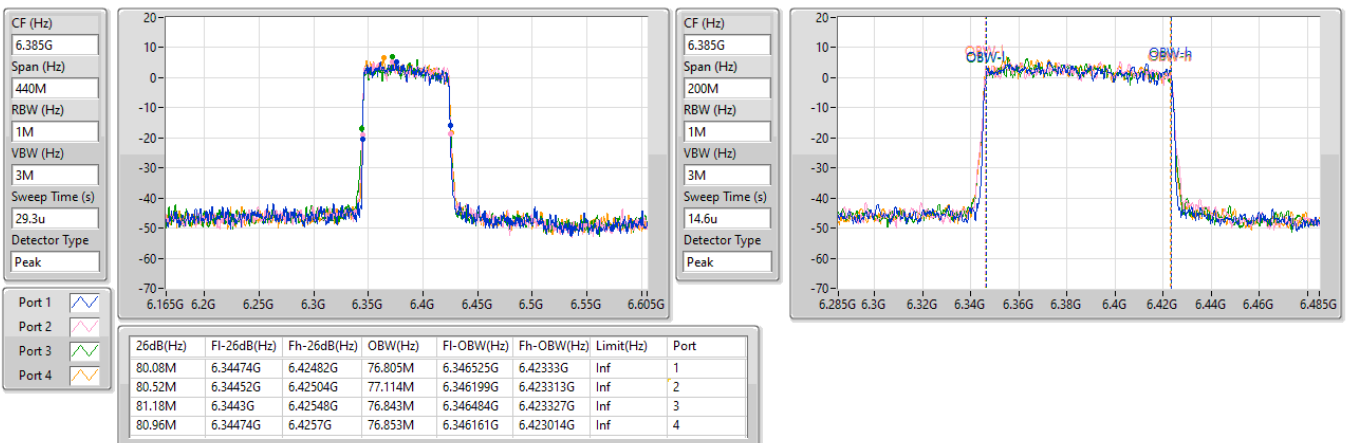


5.925-6.425GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

6385MHz

14/09/2023



5.925-6.425GHz\_802.11be EHT160-BF\_Nss2,(MCS0)\_4TX

EBW

6025MHz

14/09/2023

CF (Hz)  
6.025G

Span (Hz)  
800M

RBW (Hz)  
2M

VBW (Hz)  
10M

Sweep Time (s)  
34.6u

Detector Type  
Peak



CF (Hz)  
6.025G

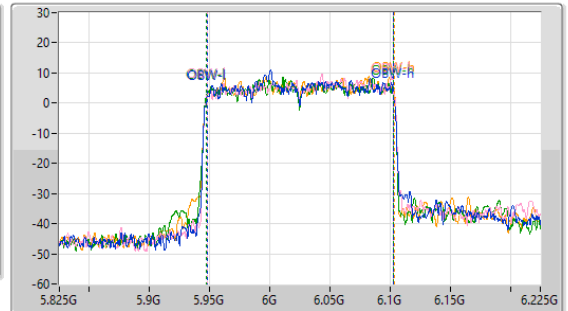
Span (Hz)  
400M

RBW (Hz)  
2M

VBW (Hz)  
10M

Sweep Time (s)  
15.8u

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
162.36M	5.9436G	6.10596G	154.493M	5.947964G	6.102456G	Inf	1
161.92M	5.94404G	6.10596G	155.436M	5.947805G	6.103241G	Inf	2
162.36M	5.9436G	6.10596G	155.809M	5.947327G	6.103136G	Inf	3
162.36M	5.94404G	6.1064G	155.427M	5.947881G	6.103308G	Inf	4

5.925-6.425GHz\_802.11be EHT160-BF\_Nss2,(MCS0)\_4TX

EBW

6185MHz

14/09/2023

CF (Hz)  
6.185G

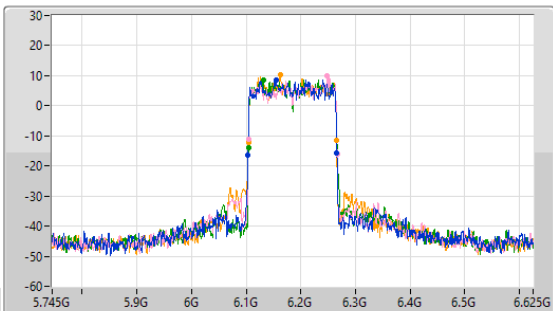
Span (Hz)  
800M

RBW (Hz)  
2M

VBW (Hz)  
10M

Sweep Time (s)  
34.6u

Detector Type  
Peak



CF (Hz)  
6.185G

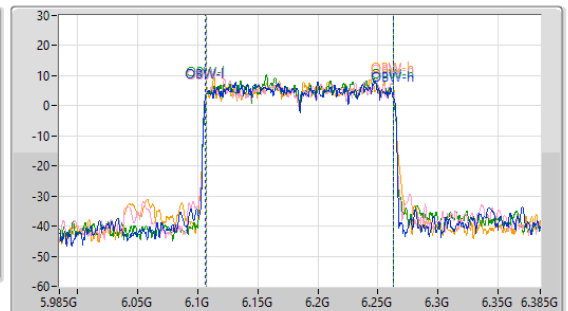
Span (Hz)  
400M

RBW (Hz)  
2M

VBW (Hz)  
10M

Sweep Time (s)  
15.8u

Detector Type  
Peak



Port 1

Port 2

Port 3

Port 4

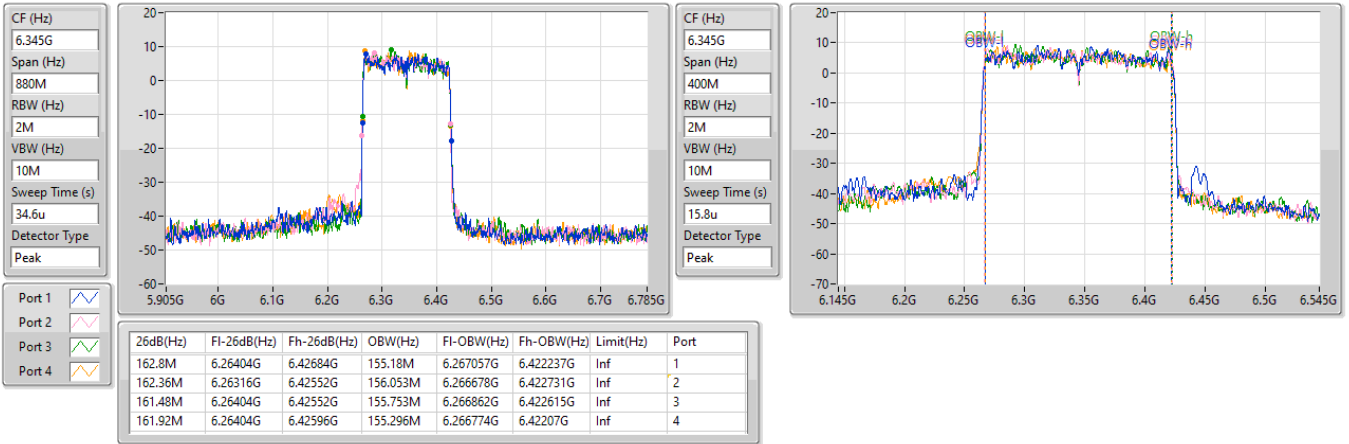
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
162.36M	6.1036G	6.26596G	156.323M	6.106714G	6.263038G	Inf	1
162.36M	6.10404G	6.2664G	156.101M	6.107035G	6.263136G	Inf	2
162.8M	6.10404G	6.26684G	154.876M	6.107605G	6.262481G	Inf	3
161.48M	6.10404G	6.26552G	156.382M	6.106818G	6.2632G	Inf	4

5.925-6.425GHz\_802.11be EHT160-BF\_Nss2,(MCS0)\_4TX

EBW

6345MHz

14/09/2023

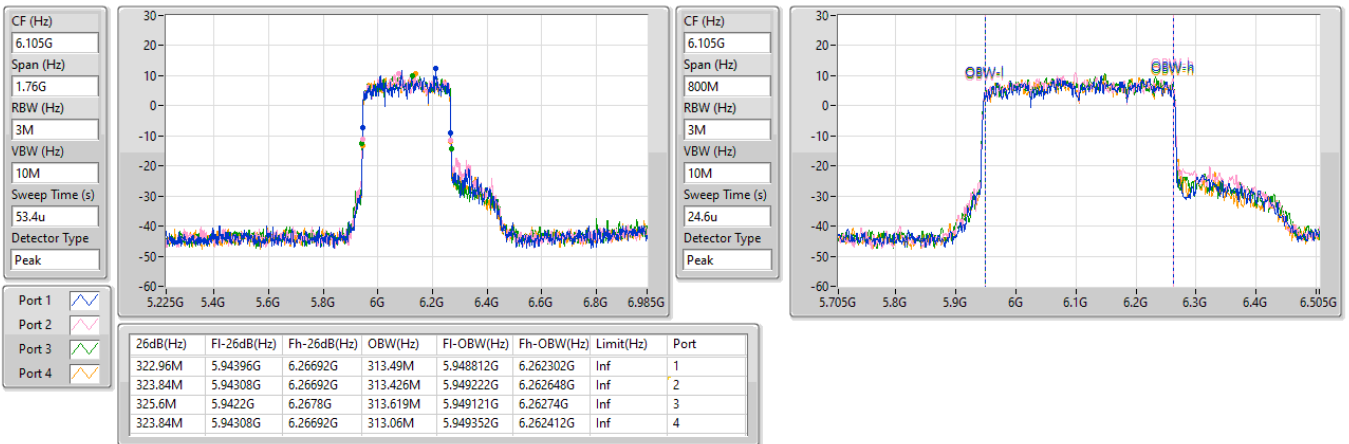


5.925-6.425GHz\_802.11be EHT320-BF\_Nss2,(MCS0)\_4TX

EBW

6105MHz

14/09/2023

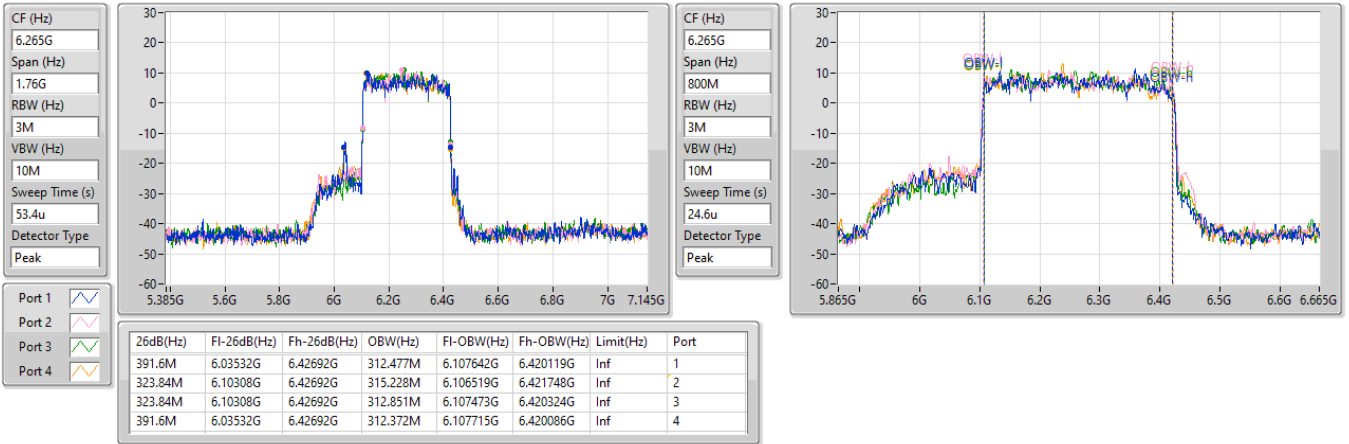


5.925-6.425GHz\_802.11be EHT320-BF\_Nss2,(MCS0)\_4TX

EBW

6265MHz

14/09/2023



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
6.525-6.875GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.065M	16.888M	16M9D1D	20.55M	16.552M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	21.45M	19.162M	19M2D1D	20.295M	18.949M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	21.645M	19.055M	19M1D1D	21.01M	19.012M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	39.93M	38.005M	38M0D1D	39.24M	37.536M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	39.93M	37.787M	37M8D1D	38.97M	37.512M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	81.84M	77.238M	77M2D1D	80.3M	77.002M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	82.06M	77.387M	77M4D1D	79.86M	76.488M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	165.88M	156.273M	156MD1D	162.72M	155.976M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	162.48M	156.606M	157MD1D	161.88M	155.57M
802.11be EHT320-BF_Nss1,(MCS0)_4TX	326.88M	315.305M	315MD1D	324.96M	314.778M
802.11be EHT320-BF_Nss2,(MCS0)_4TX	326.4M	315.313M	315MD1D	325.2M	314.854M
6.875-7.125GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.285M	16.8M	16M8D1D	20.295M	16.492M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	21.56M	19.233M	19M2D1D	20.845M	18.962M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	21.56M	19.055M	19M1D1D	21.065M	18.982M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	39.82M	37.815M	37M8D1D	39.05M	37.481M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	39.93M	37.934M	37M9D1D	39.05M	37.571M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	81.84M	77.266M	77M3D1D	80.74M	77.029M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	80.96M	77.667M	77M7D1D	80.08M	76.956M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	164.56M	156.175M	156MD1D	162.8M	155.819M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	162.8M	156.662M	157MD1D	161.92M	156.211M
802.11be EHT320-BF_Nss1,(MCS0)_4TX	325.6M	315.042M	315MD1D	324.72M	315.042M
802.11be EHT320-BF_Nss2,(MCS0)_4TX	327.36M	314.75M	315MD1D	325.6M	314.16M

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	-	-	-	-	-	-	-	-	-	-
6595MHz	Pass	Inf	21.01M	16.734M	20.845M	16.888M	21.065M	16.624M	20.79M	16.712M
6695MHz	Pass	Inf	20.845M	16.602M	20.955M	16.602M	20.79M	16.58M	20.79M	16.69M
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	20.76M	16.552M	21.03M	16.657M	20.715M	16.612M	20.55M	16.552M
6895MHz	Pass	Inf	21.01M	16.778M	20.515M	16.624M	20.845M	16.778M	20.625M	16.734M
6995MHz	Pass	Inf	20.515M	16.646M	20.295M	16.536M	21.285M	16.514M	20.68M	16.492M
7095MHz	Pass	Inf	20.9M	16.536M	20.735M	16.69M	20.735M	16.8M	21.175M	16.624M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6595MHz	Pass	Inf	21.175M	18.949M	20.295M	18.98M	20.625M	19.019M	20.735M	19M
6695MHz	Pass	Inf	20.845M	18.993M	21.45M	19.162M	21.175M	19.119M	21.01M	18.98M
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	20.34M	19.04M	21.06M	18.989M	20.76M	19.007M	21.165M	18.953M
6895MHz	Pass	Inf	21.01M	18.974M	21.34M	18.992M	21.12M	19.103M	21.175M	18.972M
6995MHz	Pass	Inf	21.56M	18.962M	20.845M	18.987M	21.34M	18.979M	21.56M	19.03M
7095MHz	Pass	Inf	21.395M	19.045M	21.175M	19.233M	21.175M	19.068M	21.23M	18.974M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6605MHz	Pass	Inf	39.93M	37.536M	39.49M	37.956M	39.6M	37.665M	39.38M	37.742M
6685MHz	Pass	Inf	39.71M	37.642M	39.49M	37.665M	39.49M	37.948M	39.38M	37.702M
6885MHz Straddle 6.525-6.875GHz	Pass	Inf	39.24M	37.696M	39.63M	37.683M	39.84M	37.538M	39.66M	38.005M
6925MHz	Pass	Inf	39.49M	37.716M	39.6M	37.714M	39.6M	37.583M	39.38M	37.803M
7005MHz	Pass	Inf	39.71M	37.742M	39.82M	37.623M	39.38M	37.481M	39.71M	37.687M
7085MHz	Pass	Inf	39.16M	37.815M	39.71M	37.815M	39.05M	37.718M	39.05M	37.727M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6625MHz	Pass	Inf	80.74M	77.137M	81.4M	77.238M	80.96M	77.181M	81.62M	77.163M
6705MHz	Pass	Inf	81.18M	77.002M	80.74M	77.161M	80.74M	77.166M	81.62M	77.204M
6785MHz	Pass	Inf	80.3M	77.038M	80.96M	77.029M	80.96M	77.148M	80.96M	77.237M
6865MHz Straddle 6.525-6.875GHz	Pass	Inf	81.36M	77.005M	80.82M	77.059M	81M	77.079M	81.84M	77.207M
6945MHz	Pass	Inf	80.74M	77.17M	80.96M	77.129M	81.4M	77.029M	80.74M	77.266M
7025MHz	Pass	Inf	80.96M	77.097M	81.84M	77.151M	81.4M	77.237M	80.74M	77.189M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6665MHz	Pass	Inf	163.24M	156.268M	165.88M	156.159M	163.24M	155.976M	164.12M	156.178M
6825MHz Straddle 6.525-6.875GHz	Pass	Inf	162.72M	156.273M	164.04M	156.086M	163.68M	156.118M	165.24M	156.224M
6985MHz	Pass	Inf	162.8M	156.146M	163.24M	156.103M	163.24M	156.175M	164.56M	155.819M
802.11be EHT320-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6745MHz Straddle 6.525-6.875GHz	Pass	Inf	324.96M	315.055M	326.4M	315.229M	326.88M	315.305M	325.44M	314.778M
6905MHz	Pass	Inf	324.72M	315.042M	325.6M	315.042M	325.6M	315.042M	325.6M	315.042M
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6595MHz	Pass	Inf	21.56M	19.018M	21.615M	19.053M	21.01M	19.012M	21.56M	19.012M
6695MHz	Pass	Inf	21.56M	19.012M	21.45M	19.05M	21.23M	19.033M	21.01M	19.043M
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	21.33M	19.055M	21.465M	19.032M	21.645M	19.027M	21.39M	19.012M
6895MHz	Pass	Inf	21.285M	19.042M	21.12M	19.009M	21.065M	19.055M	21.505M	19.012M
6995MHz	Pass	Inf	21.065M	18.996M	21.065M	19.012M	21.23M	19.022M	21.45M	19.033M
7095MHz	Pass	Inf	21.45M	18.982M	21.23M	19.007M	21.34M	19.031M	21.56M	19.028M
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6605MHz	Pass	Inf	39.93M	37.684M	39.27M	37.714M	39.27M	37.652M	39.71M	37.704M
6685MHz	Pass	Inf	39.6M	37.512M	39.6M	37.787M	39.6M	37.656M	39.93M	37.715M
6885MHz Straddle 6.525-6.875GHz	Pass	Inf	39.24M	37.647M	38.97M	37.62M	39.66M	37.612M	39.24M	37.517M
6925MHz	Pass	Inf	39.93M	37.673M	39.49M	37.724M	39.6M	37.717M	39.82M	37.934M
7005MHz	Pass	Inf	39.71M	37.8M	39.6M	37.582M	39.6M	37.641M	39.82M	37.712M
7085MHz	Pass	Inf	39.82M	37.571M	39.38M	37.762M	39.6M	37.648M	39.05M	37.676M
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6625MHz	Pass	Inf	82.06M	77.16M	80.96M	77.289M	80.3M	76.882M	79.86M	77.168M
6705MHz	Pass	Inf	81.18M	77.34M	80.08M	76.488M	80.08M	76.91M	80.52M	76.972M
6785MHz	Pass	Inf	80.96M	77.117M	80.96M	76.765M	80.52M	76.888M	80.08M	77.222M
6865MHz Straddle 6.525-6.875GHz	Pass	Inf	80.7M	77.169M	80.46M	77.244M	80.46M	77.088M	81.78M	77.387M
6945MHz	Pass	Inf	80.96M	77.667M	80.74M	77.323M	80.3M	77.299M	80.52M	77.103M





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)
7025MHz	Pass	Inf	80.96M	77.103M	80.74M	77.454M	80.52M	77.372M	80.08M	76.956M
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6665MHz	Pass	Inf	161.92M	155.636M	161.92M	155.57M	161.92M	155.813M	161.92M	156.509M
6825MHz Straddle 6.525-6.875GHz	Pass	Inf	162.48M	156.462M	162.48M	155.914M	161.88M	156.606M	162.48M	156.491M
6985MHz	Pass	Inf	161.92M	156.373M	162.36M	156.293M	161.92M	156.211M	162.8M	156.662M
802.11be EHT320-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6745MHz Straddle 6.525-6.875GHz	Pass	Inf	326.4M	314.883M	326.16M	315.256M	325.2M	315.313M	326.4M	314.854M
6905MHz	Pass	Inf	326.48M	314.16M	326.48M	314.534M	327.36M	314.75M	325.6M	314.528M

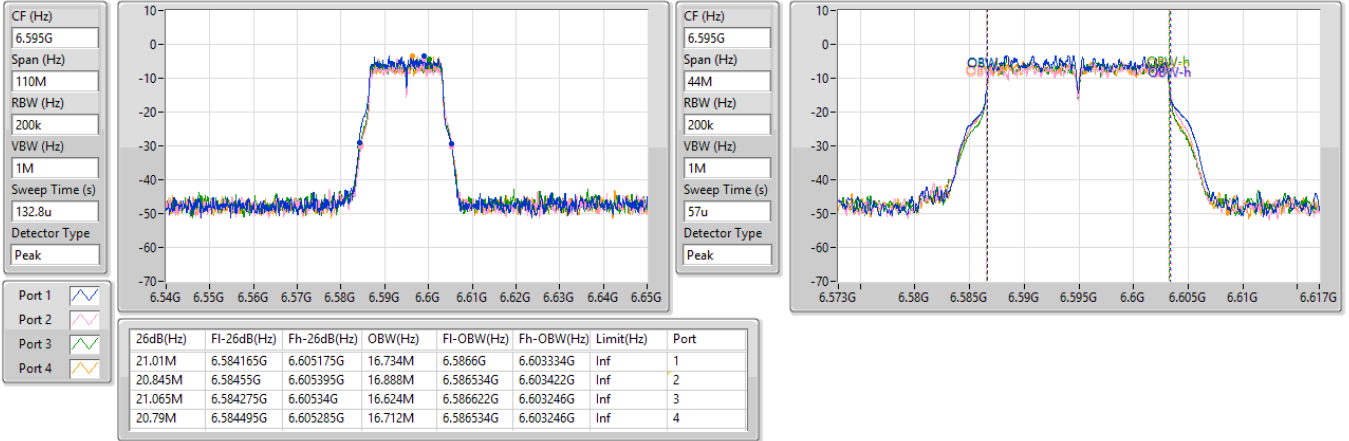
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
 Port X-OBW = Port X 99% occupied bandwidth

6.525-6.875GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

6595MHz

16/10/2023

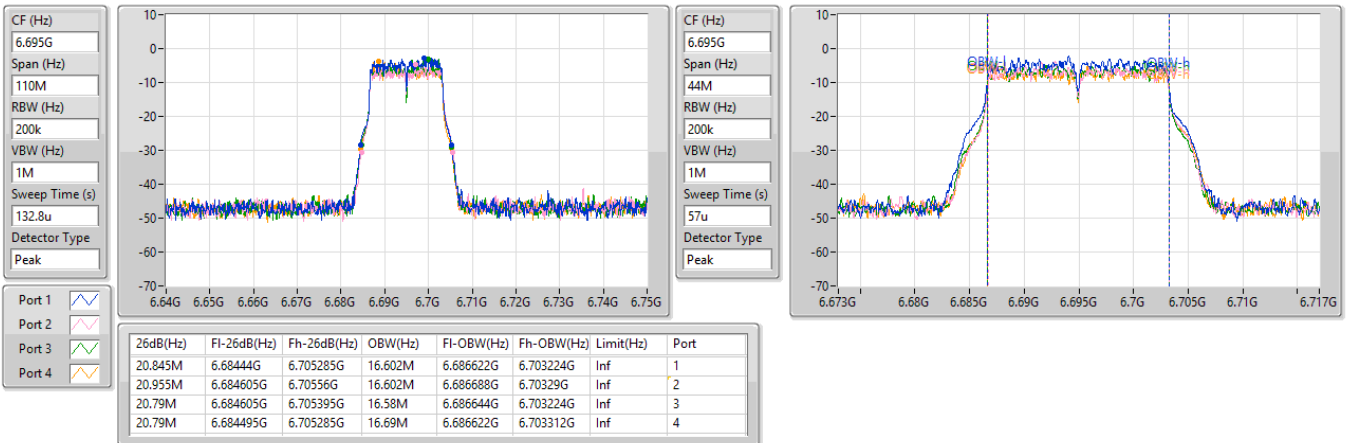


6.525-6.875GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

6695MHz

16/10/2023

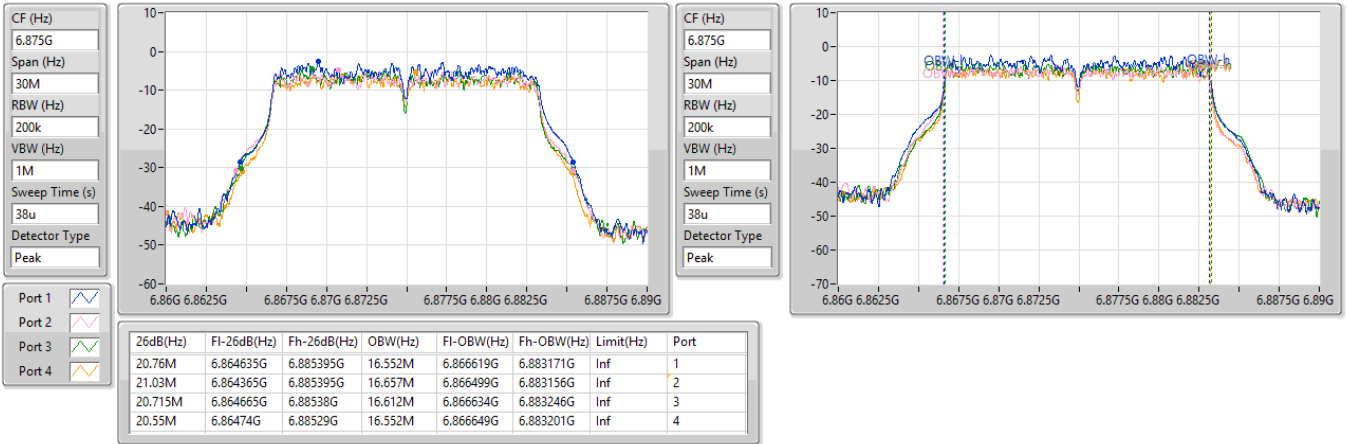


6.525-6.875GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

6875MHz Straddle 6.525-6.875GHz

16/10/2023

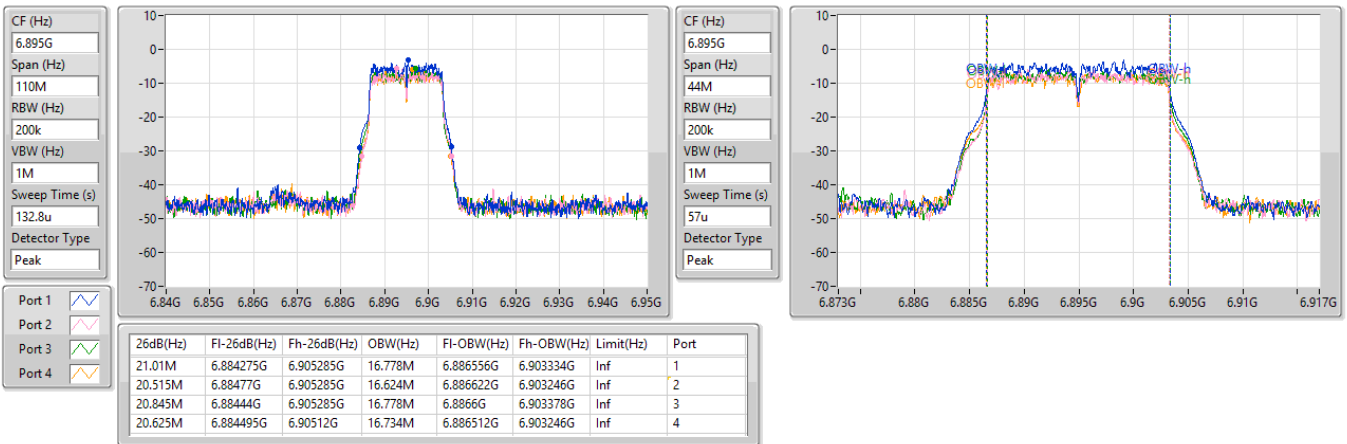


6.875-7.125GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

6895MHz

16/10/2023

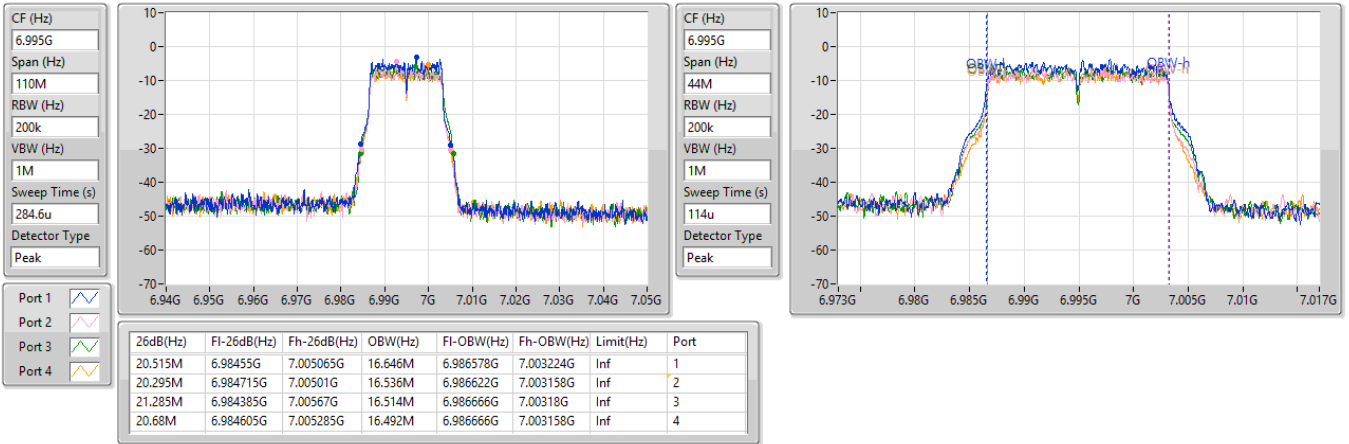


6.875-7.125GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

6995MHz

16/10/2023

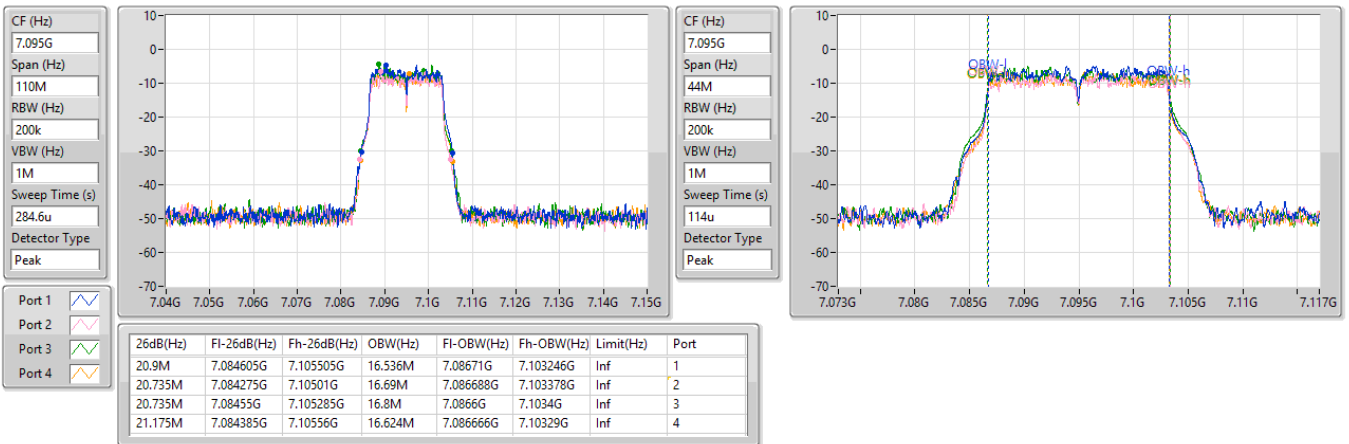


6.875-7.125GHz\_802.11a\_Nss1,(6Mbps)\_4TX

EBW

7095MHz

16/10/2023

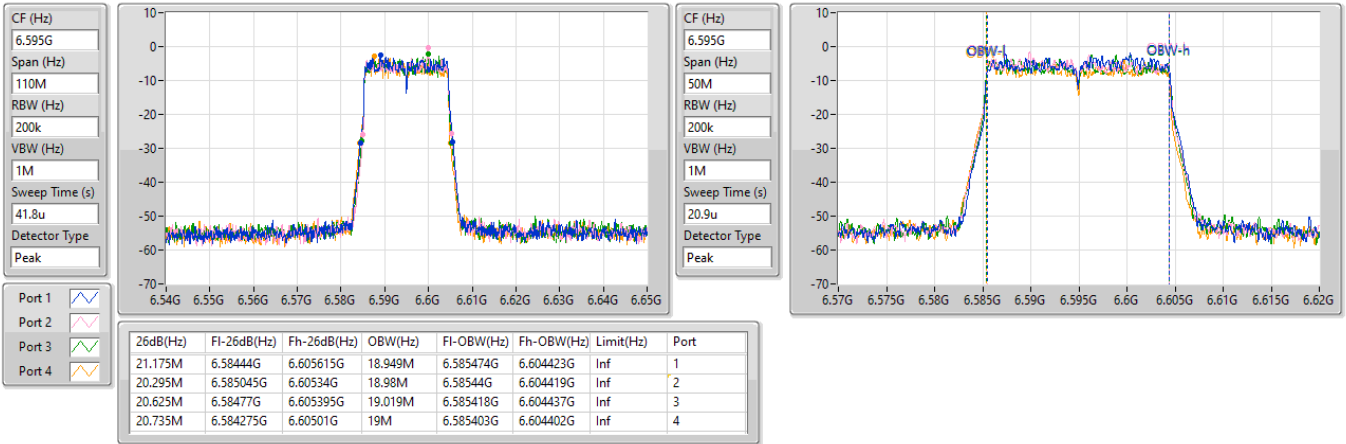


6.525-6.875GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

6595MHz

14/09/2023

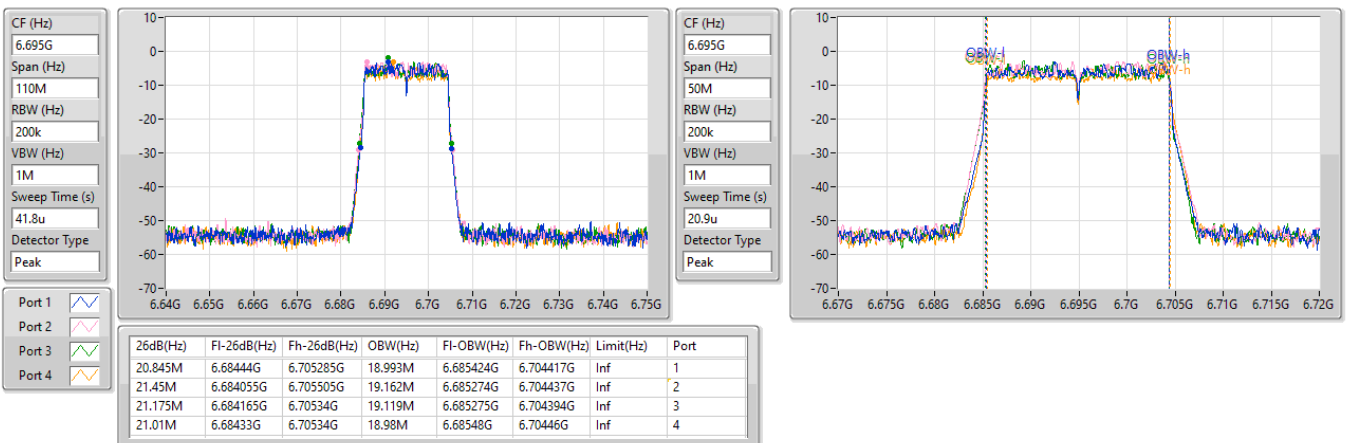


6.525-6.875GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

6695MHz

14/09/2023



6.525-6.875GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

6875MHz Straddle 6.525-6.875GHz

14/09/2023

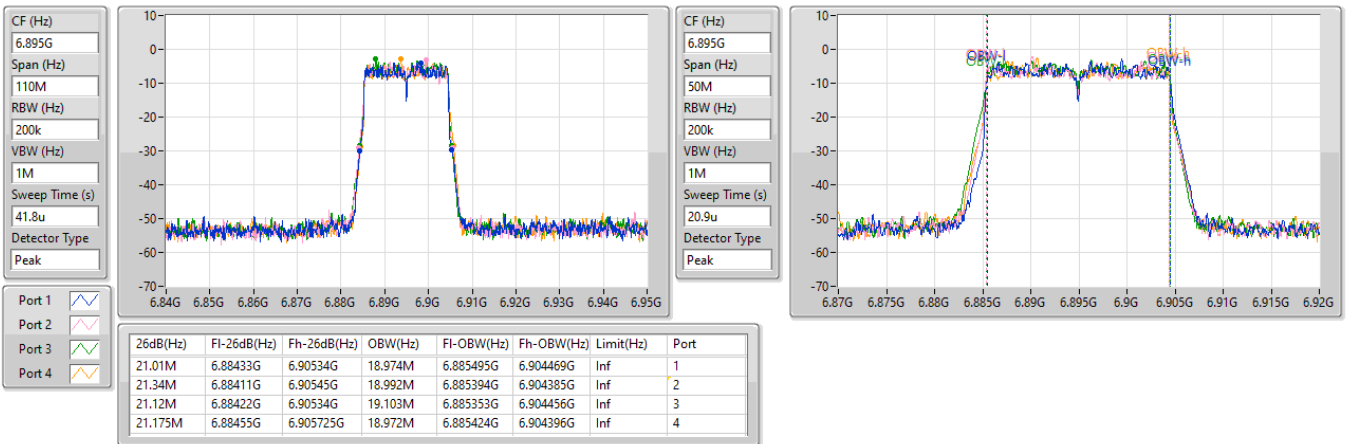


6.875-7.125GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

6895MHz

14/09/2023

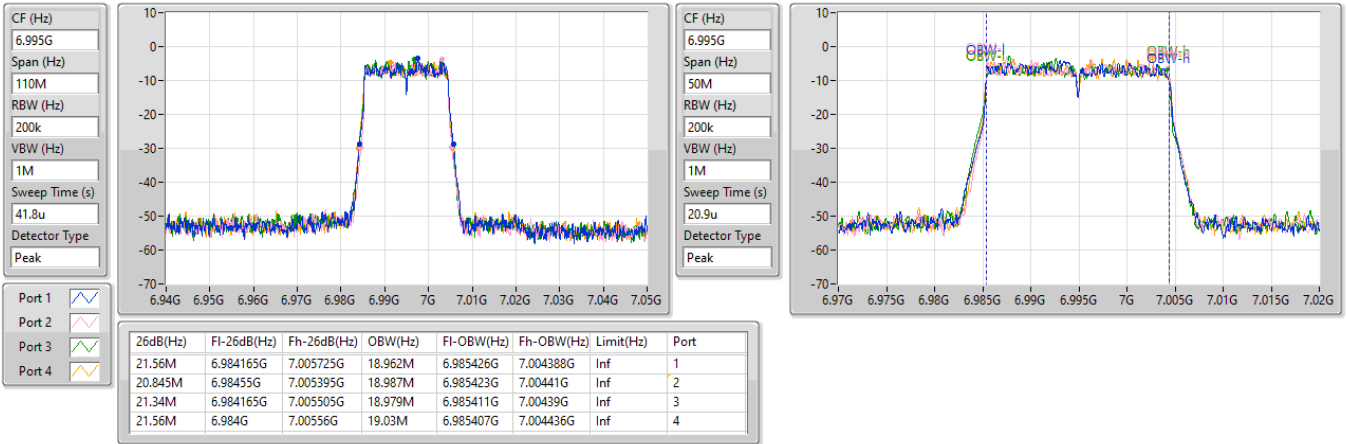


6.875-7.125GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

6995MHz

14/09/2023

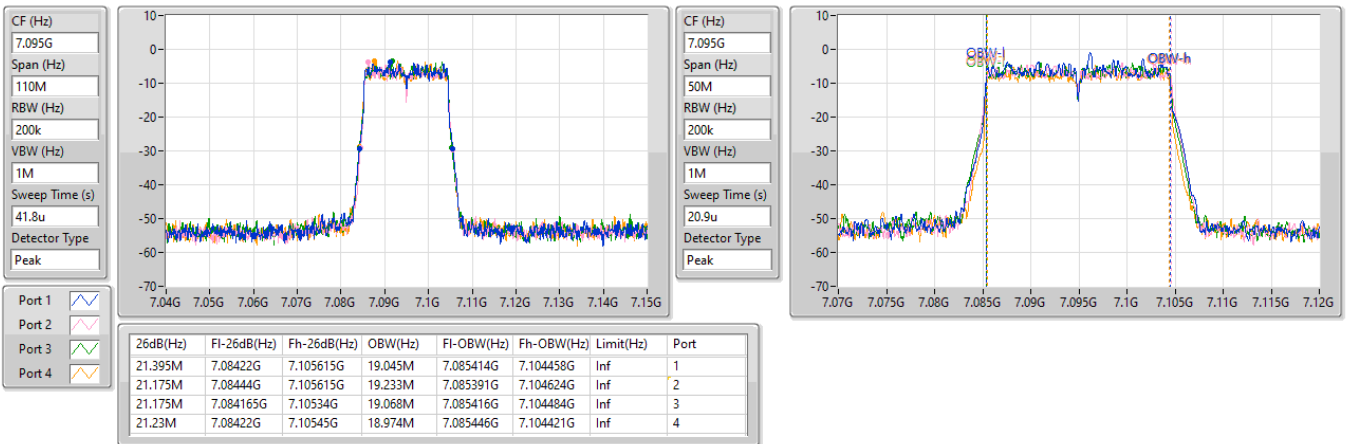


6.875-7.125GHz\_802.11be EHT20-BF\_Nss1,(MCS0)\_4TX

EBW

7095MHz

14/09/2023

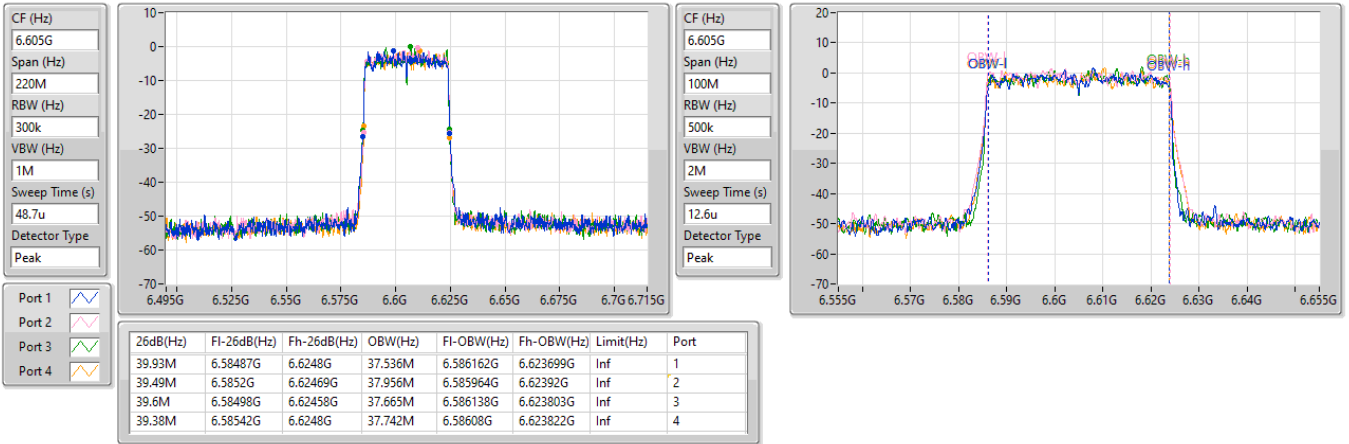


6.525-6.875GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

6605MHz

14/09/2023

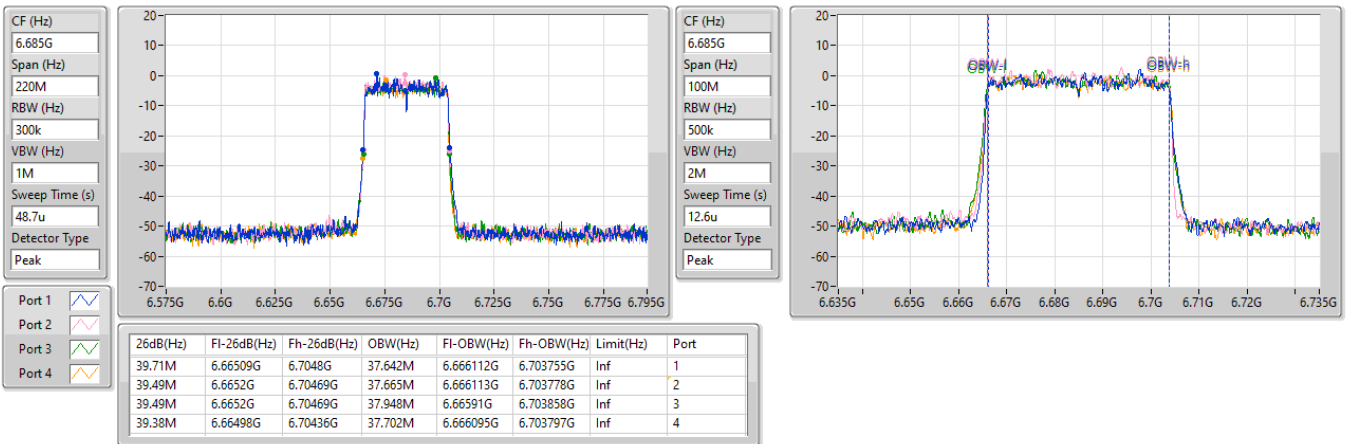


6.525-6.875GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

6685MHz

14/09/2023



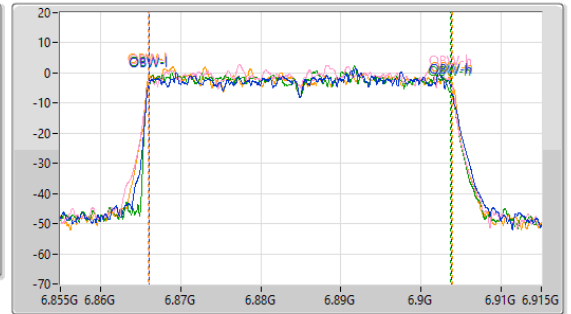
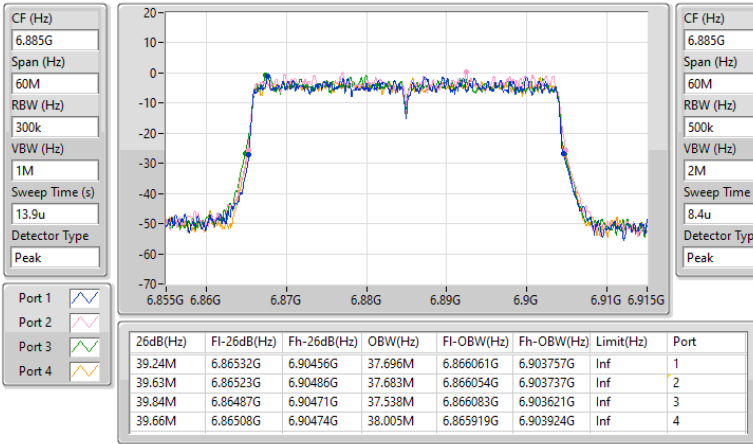


6.525-6.875GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

6885MHz Straddle 6.525-6.875GHz

14/09/2023

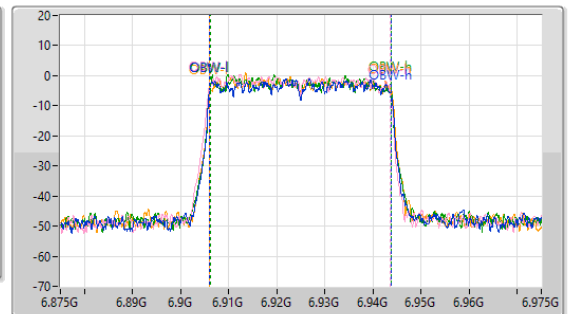
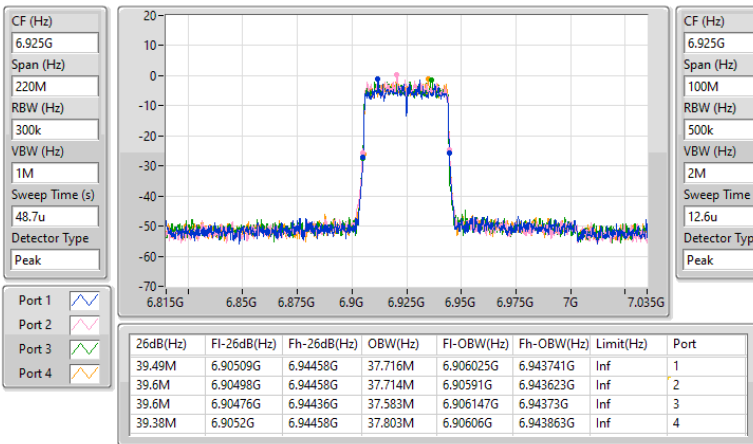


6.875-7.125GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

6925MHz

14/09/2023

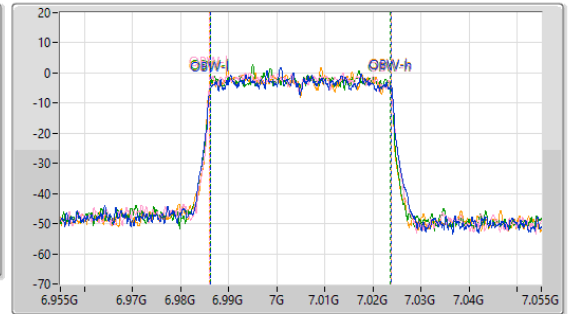
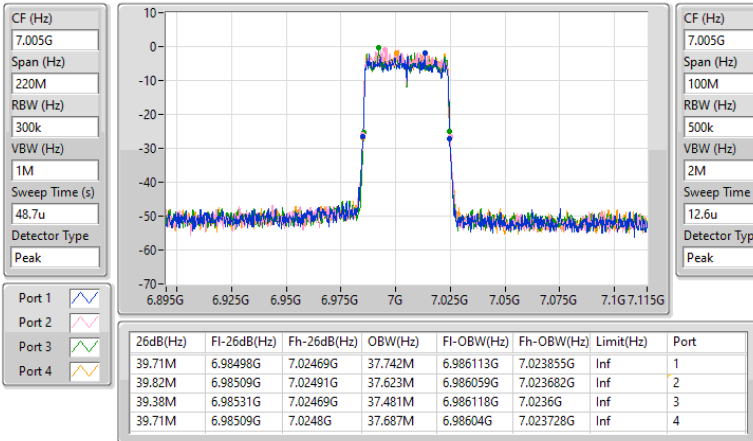


6.875-7.125GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

7005MHz

14/09/2023

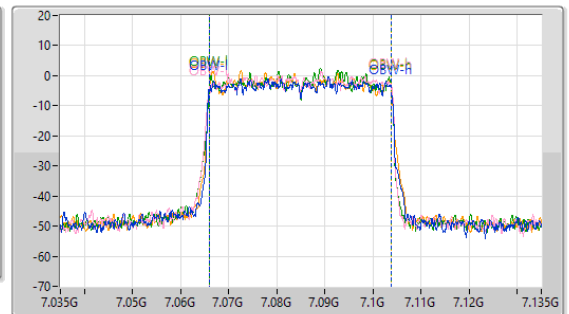
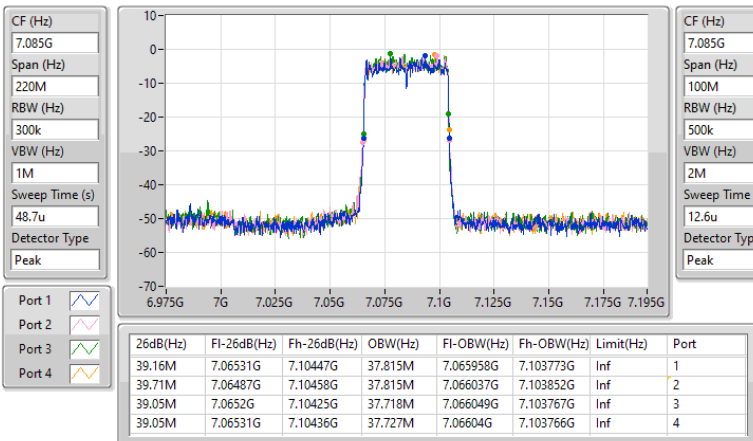


6.875-7.125GHz\_802.11be EHT40-BF\_Nss1,(MCS0)\_4TX

EBW

7085MHz

14/09/2023

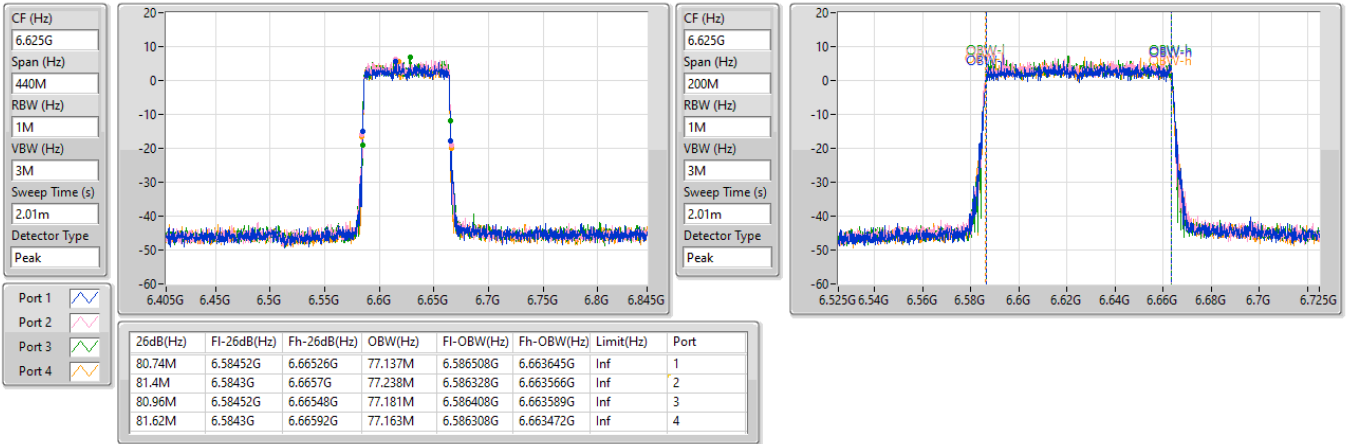


6.525-6.875GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

6625MHz

14/09/2023

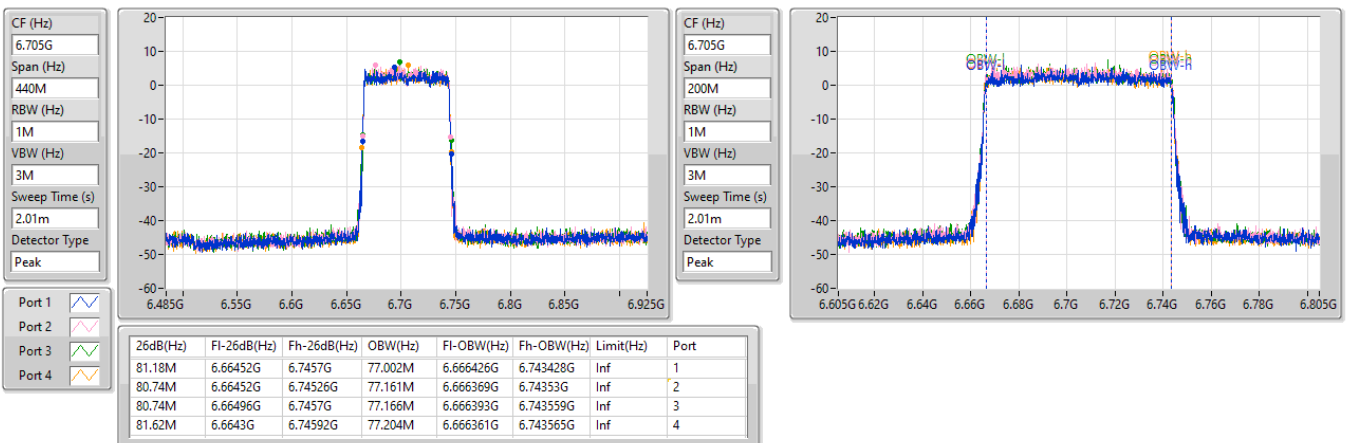


6.525-6.875GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

6705MHz

14/09/2023

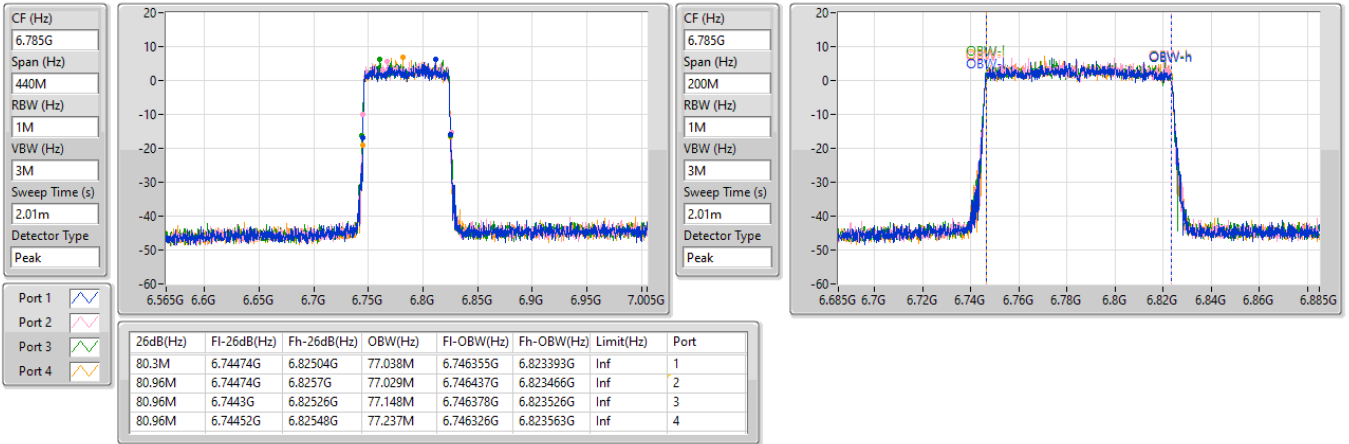


6.525-6.875GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

6785MHz

14/09/2023

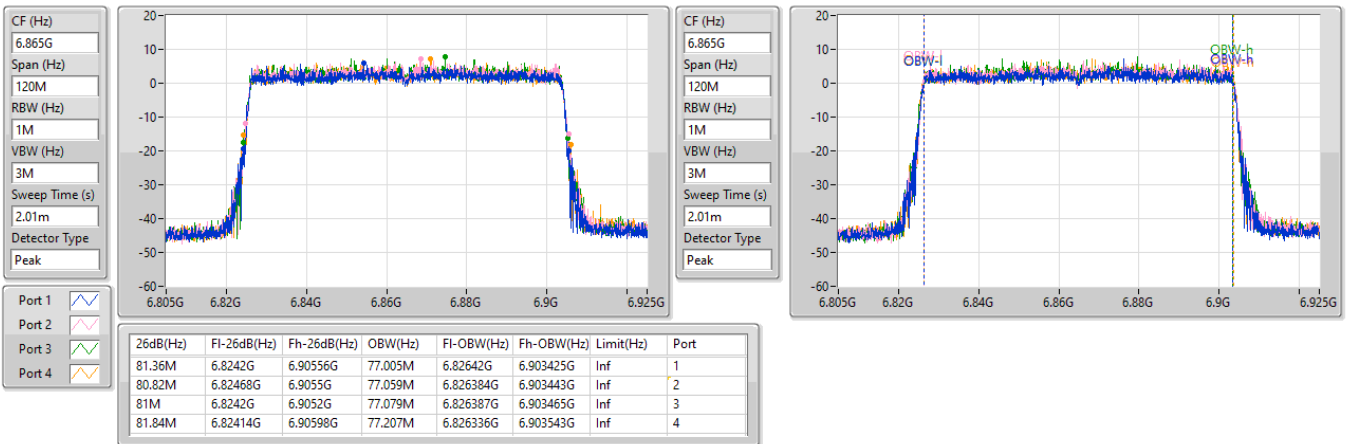


6.525-6.875GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

6865MHz Straddle 6.525-6.875GHz

14/09/2023

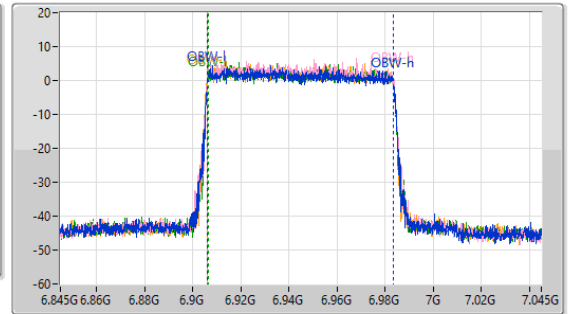
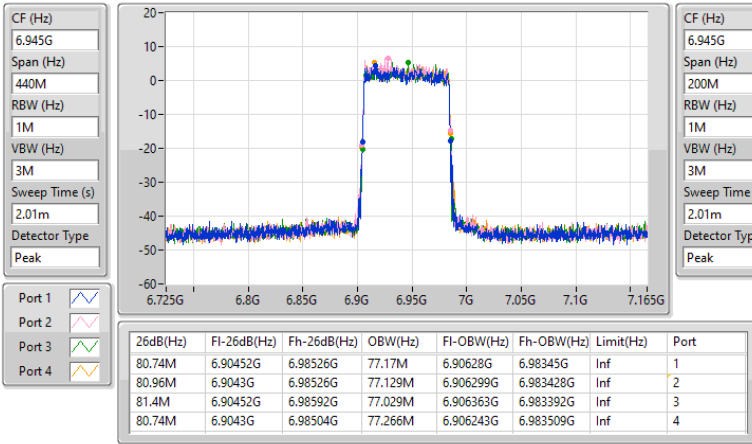


6.875-7.125GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

6945MHz

14/09/2023

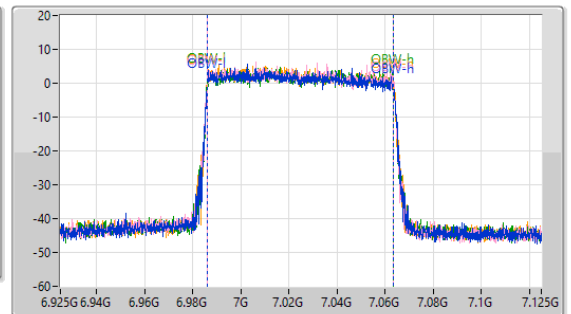
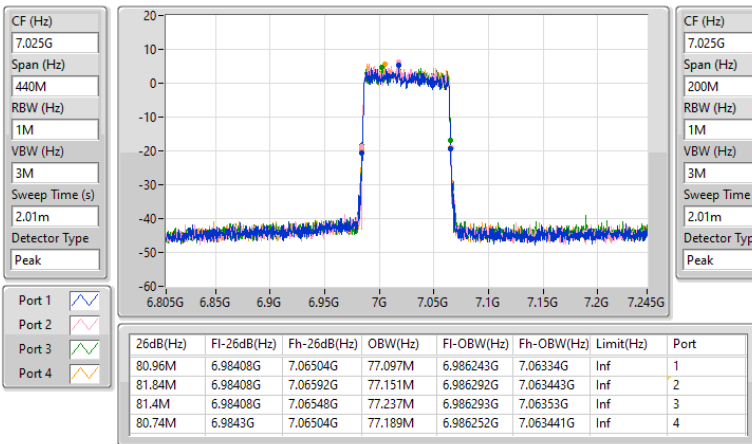


6.875-7.125GHz\_802.11be EHT80-BF\_Nss1,(MCS0)\_4TX

EBW

7025MHz

14/09/2023

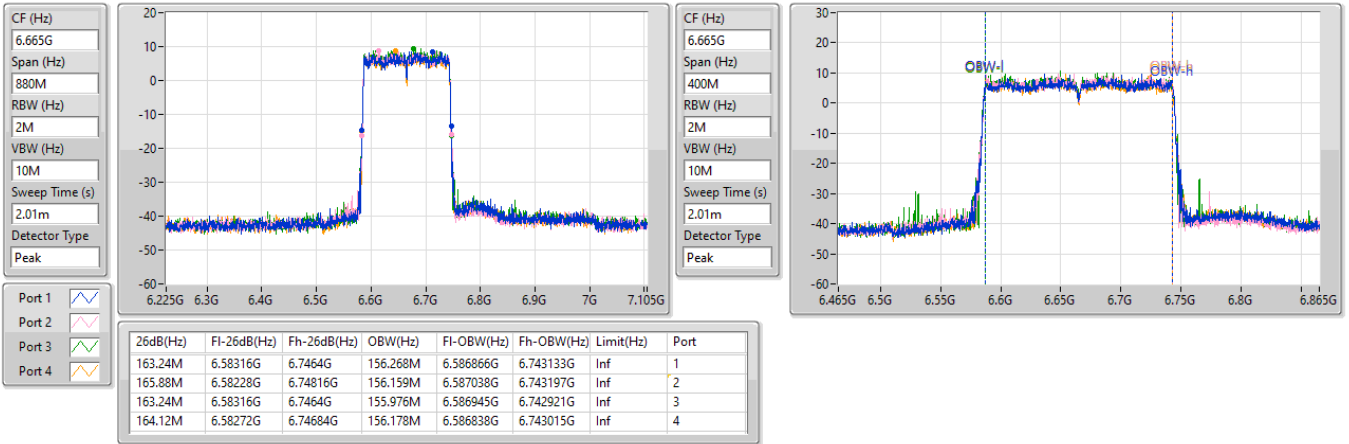


6.525-6.875GHz\_802.11be EHT160-BF\_Nss1,(MCS0)\_4TX

EBW

6665MHz

14/09/2023

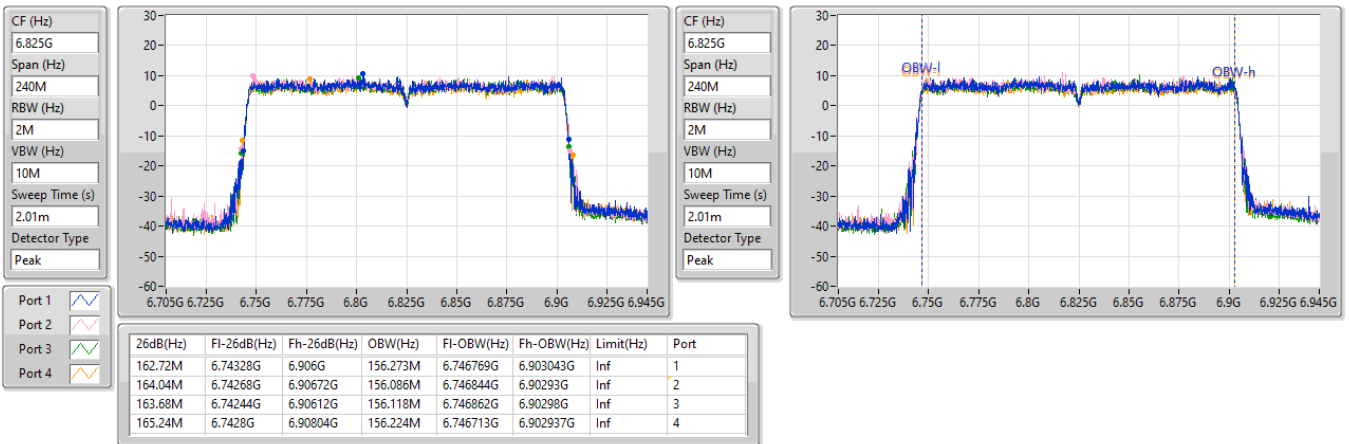


6.525-6.875GHz\_802.11be EHT160-BF\_Nss1,(MCS0)\_4TX

EBW

6825MHz Straddle 6.525-6.875GHz

14/09/2023

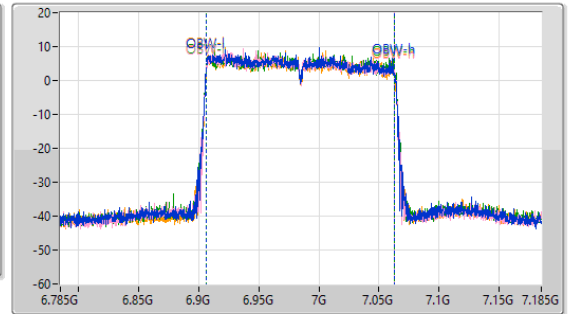
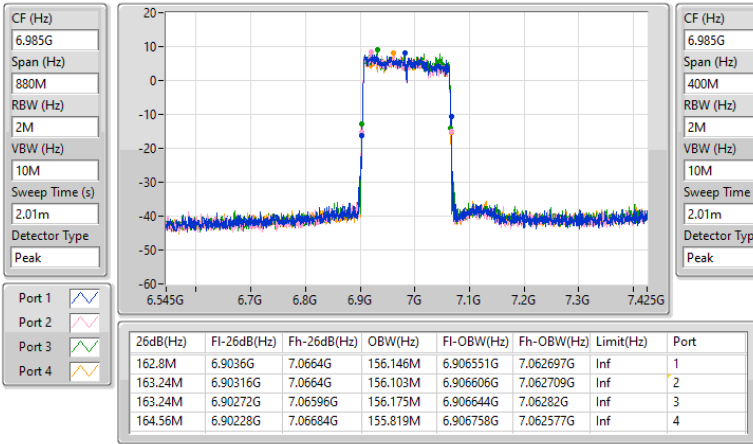


6.875-7.125GHz\_802.11be EHT160-BF\_Nss1,(MCS0)\_4TX

EBW

6985MHz

14/09/2023

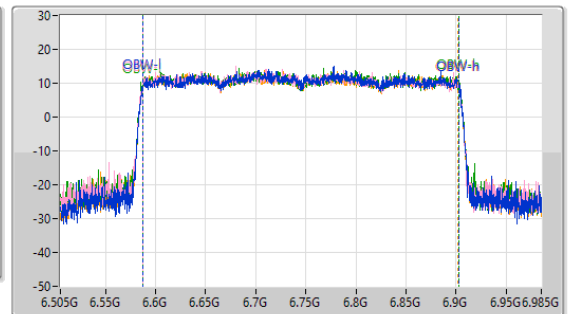
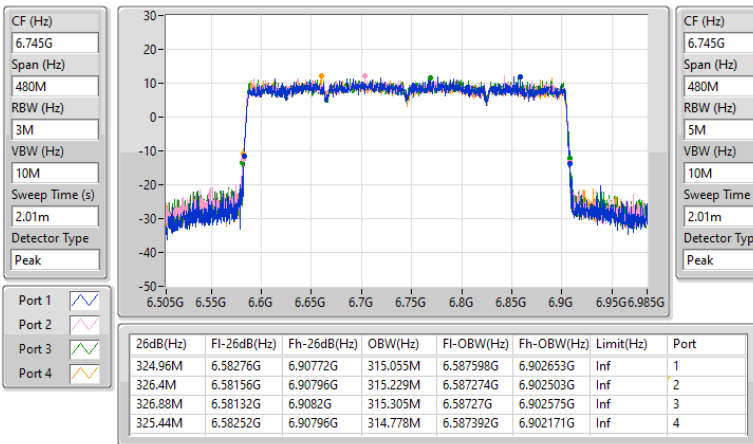


6.525-6.875GHz\_802.11be EHT320-BF\_Nss1,(MCS0)\_4TX

EBW

6745MHz Straddle 6.525-6.875GHz

15/09/2023



6.875-7.125GHz\_802.11be EHT320-BF\_Nss1,(MCS0)\_4TX

EBW

6905MHz

27/09/2023

CF (Hz)  
6.905G

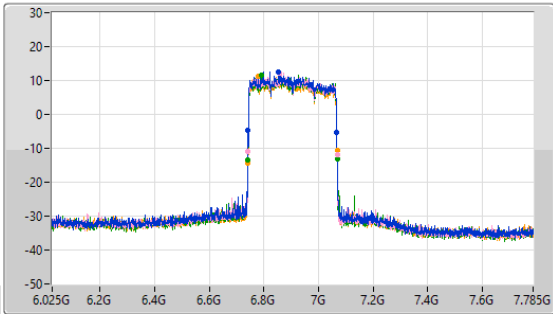
Span (Hz)  
1.76G

RBW (Hz)  
3M

VBW (Hz)  
10M

Sweep Time (s)  
7.04m

Detector Type  
Peak



CF (Hz)  
6.905G

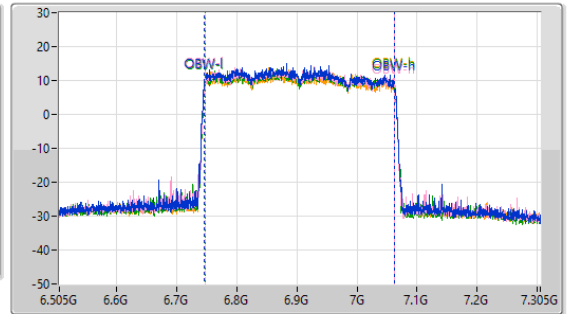
Span (Hz)  
800M

RBW (Hz)  
5M

VBW (Hz)  
10M

Sweep Time (s)  
4m

Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
324.72M	6.7422G	7.06692G	315.042M	6.746679G	7.061722G	Inf	1
325.6M	6.7422G	7.0678G	315.042M	6.747079G	7.062121G	Inf	2
325.6M	6.7422G	7.0678G	315.042M	6.747079G	7.062121G	Inf	3
325.6M	6.7422G	7.0678G	315.042M	6.747079G	7.062121G	Inf	4

6.525-6.875GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

6595MHz

14/09/2023

CF (Hz)  
6.595G

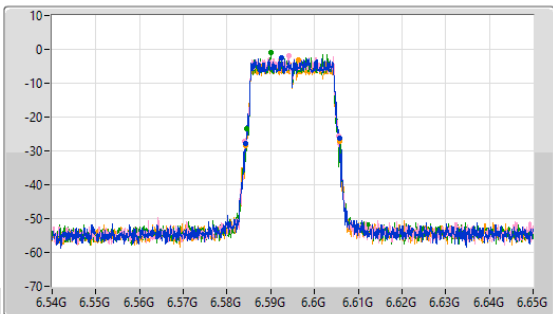
Span (Hz)  
110M

RBW (Hz)  
200k

VBW (Hz)  
1M

Sweep Time (s)  
2.01m

Detector Type  
Peak



CF (Hz)  
6.595G

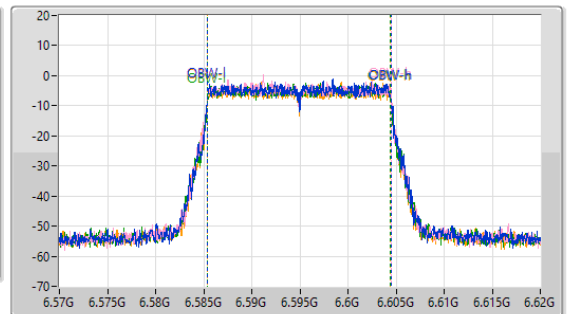
Span (Hz)  
50M

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
21.56M	6.58422G	6.60578G	19.018M	6.585435G	6.604452G	Inf	1
21.615M	6.584G	6.605615G	19.053M	6.585422G	6.604475G	Inf	2
21.01M	6.584495G	6.605505G	19.012M	6.585426G	6.604437G	Inf	3
21.56M	6.584165G	6.605725G	19.012M	6.585432G	6.604443G	Inf	4

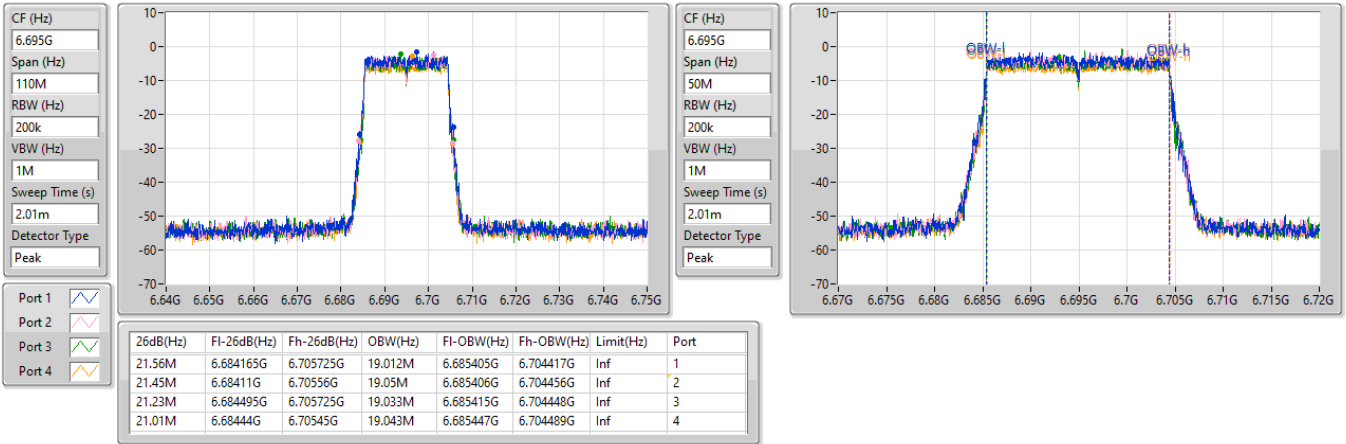


6.525-6.875GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

6695MHz

14/09/2023

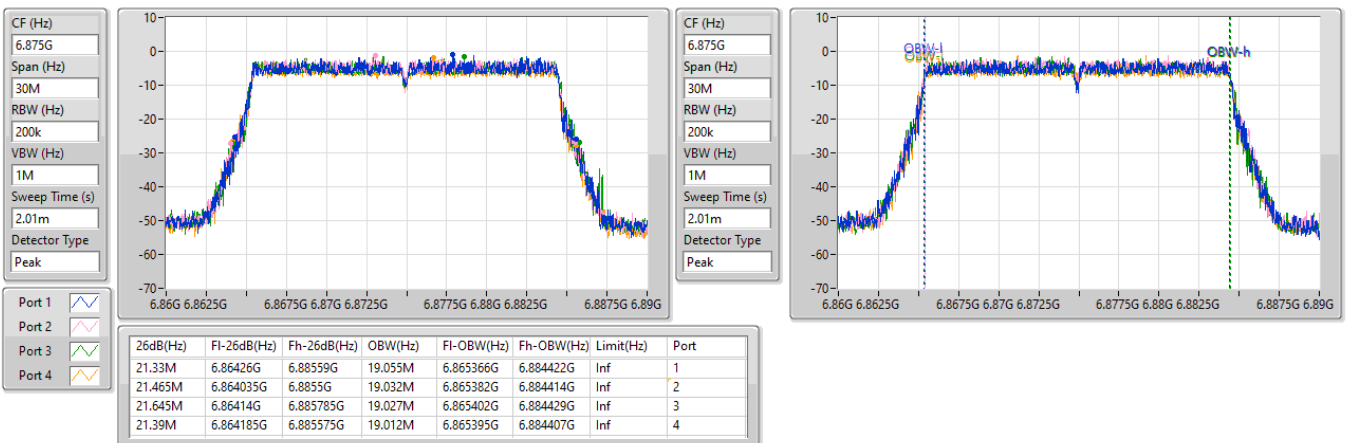


6.525-6.875GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

6875MHz Straddle 6.525-6.875GHz

14/09/2023

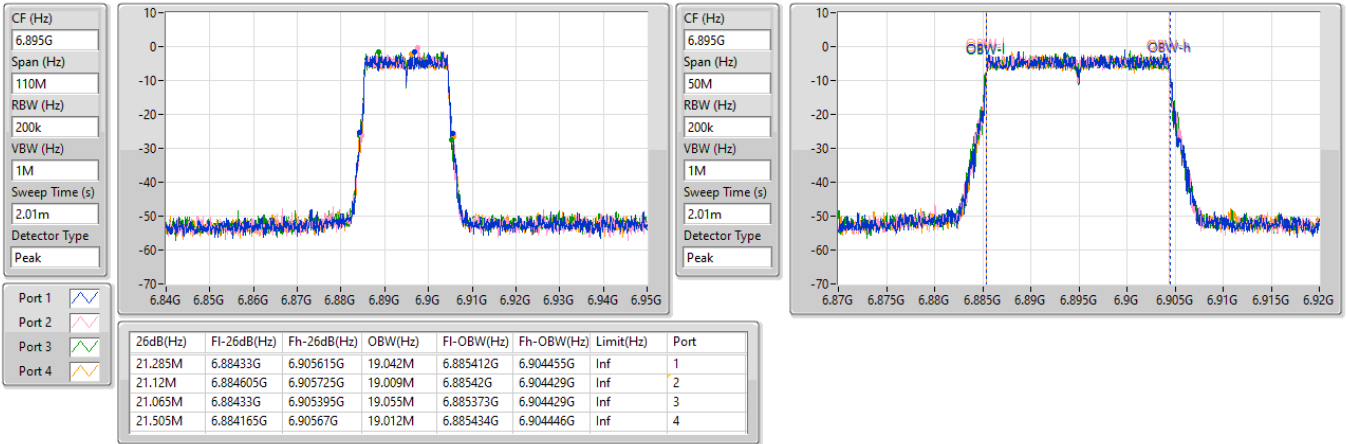


6.875-7.125GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

6895MHz

14/09/2023

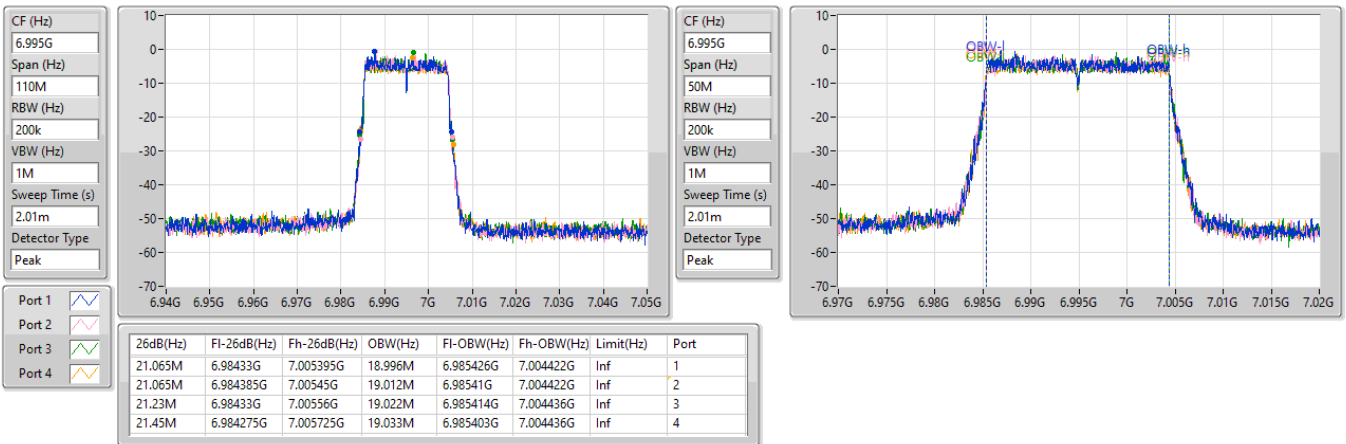


6.875-7.125GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

6995MHz

14/09/2023

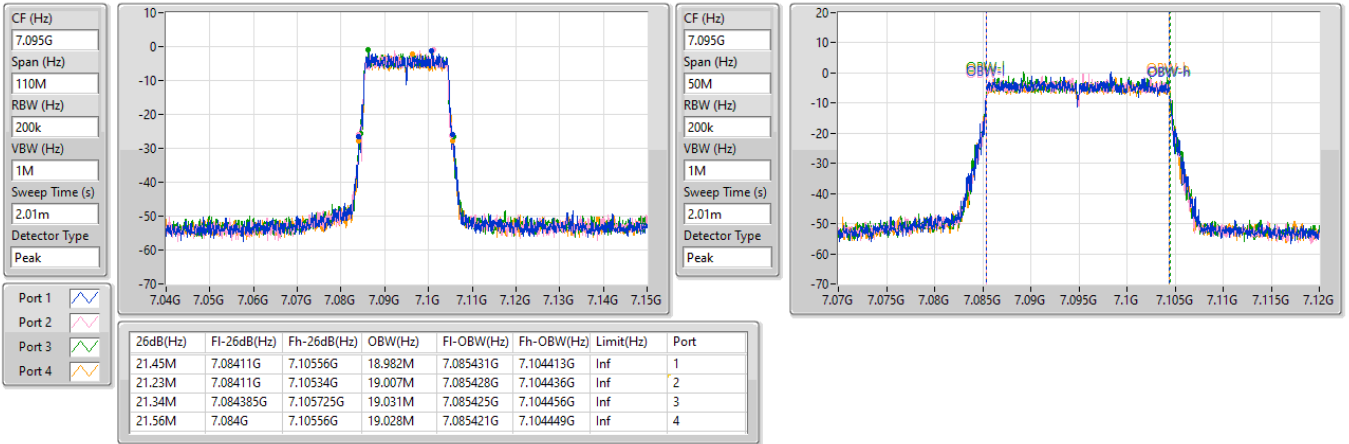


6.875-7.125GHz\_802.11be EHT20-BF\_Nss2,(MCS0)\_4TX

EBW

7095MHz

14/09/2023

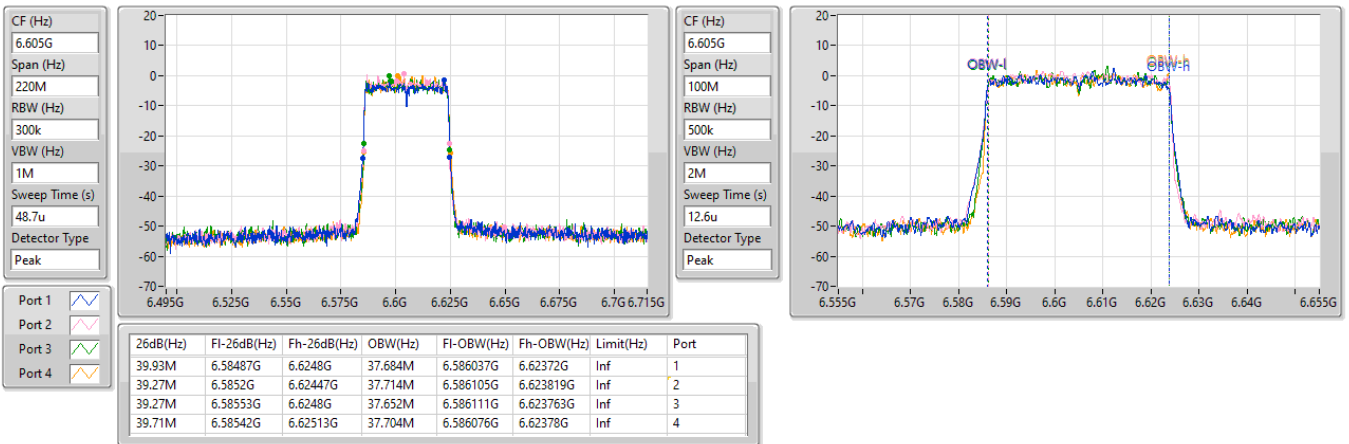


6.525-6.875GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

6605MHz

14/09/2023

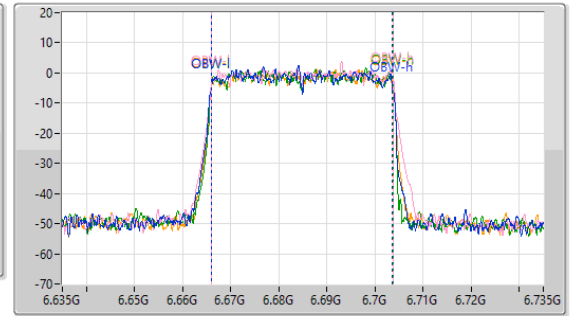
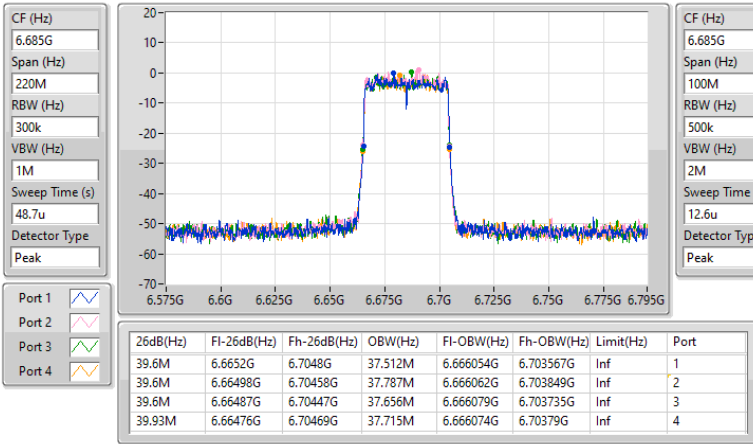


6.525-6.875GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

6685MHz

14/09/2023

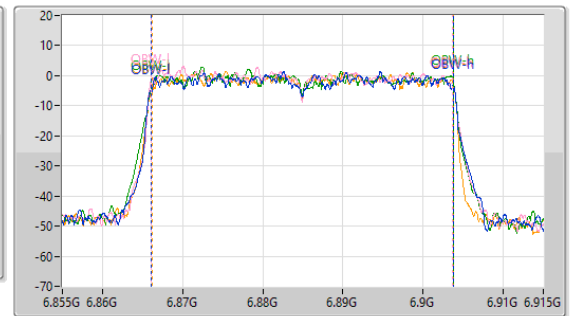
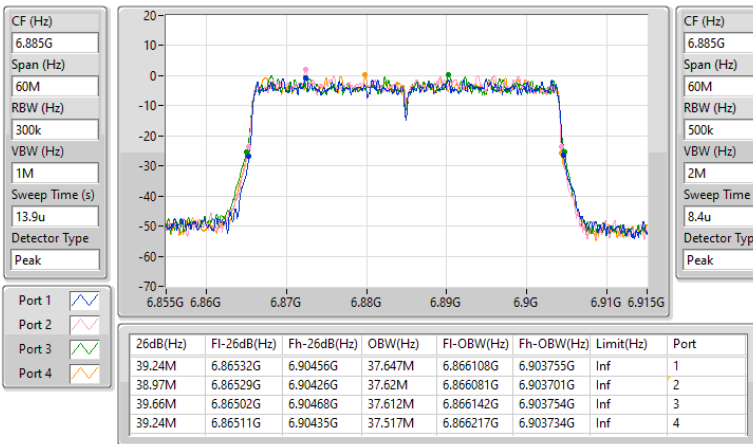


6.525-6.875GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

6885MHz Straddle 6.525-6.875GHz

14/09/2023

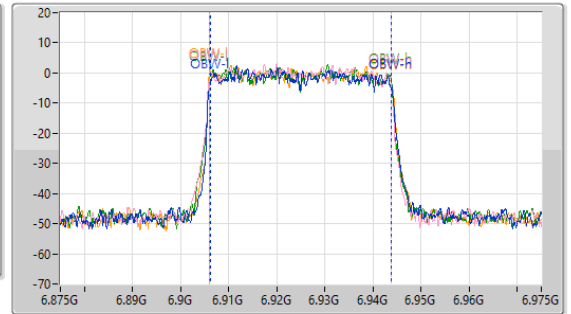
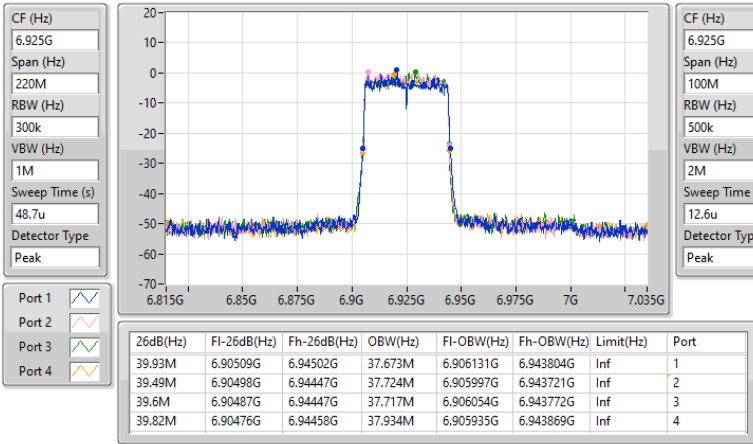


6.875-7.125GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

6925MHz

14/09/2023

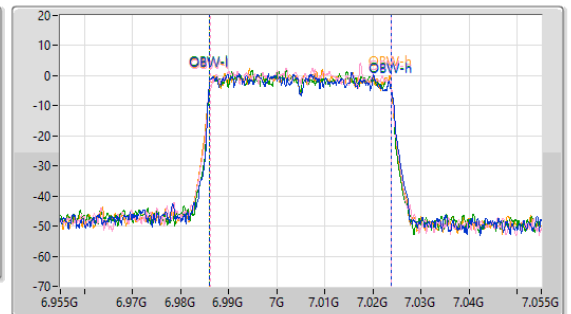
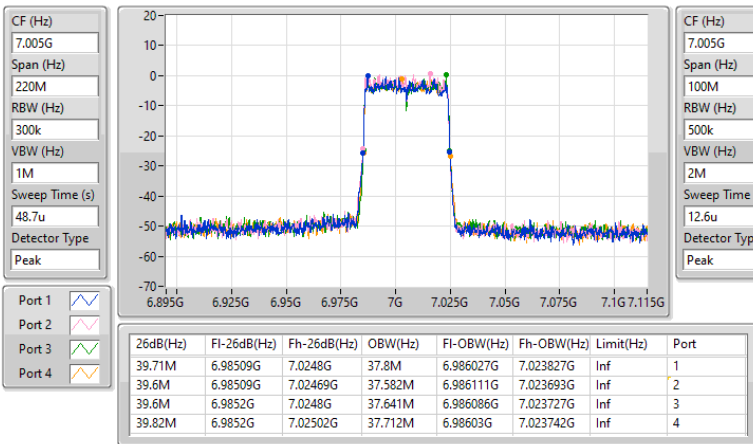


6.875-7.125GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

7005MHz

14/09/2023

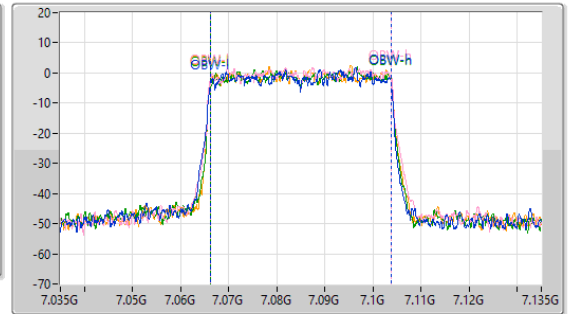
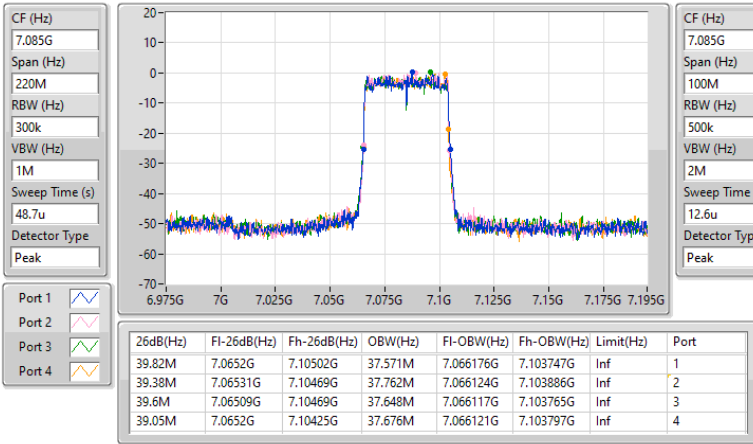


6.875-7.125GHz\_802.11be EHT40-BF\_Nss2,(MCS0)\_4TX

EBW

7085MHz

14/09/2023

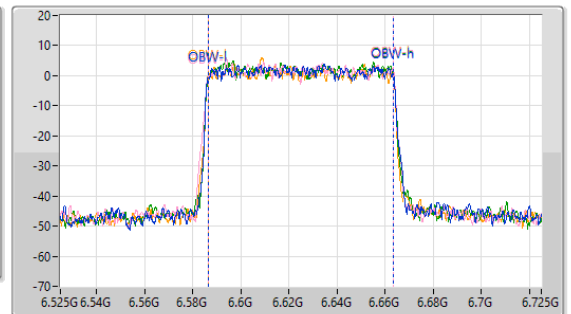
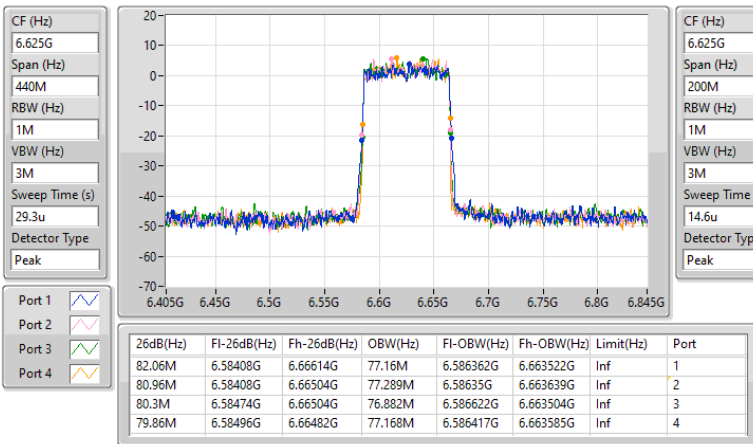


6.525-6.875GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

6625MHz

14/09/2023

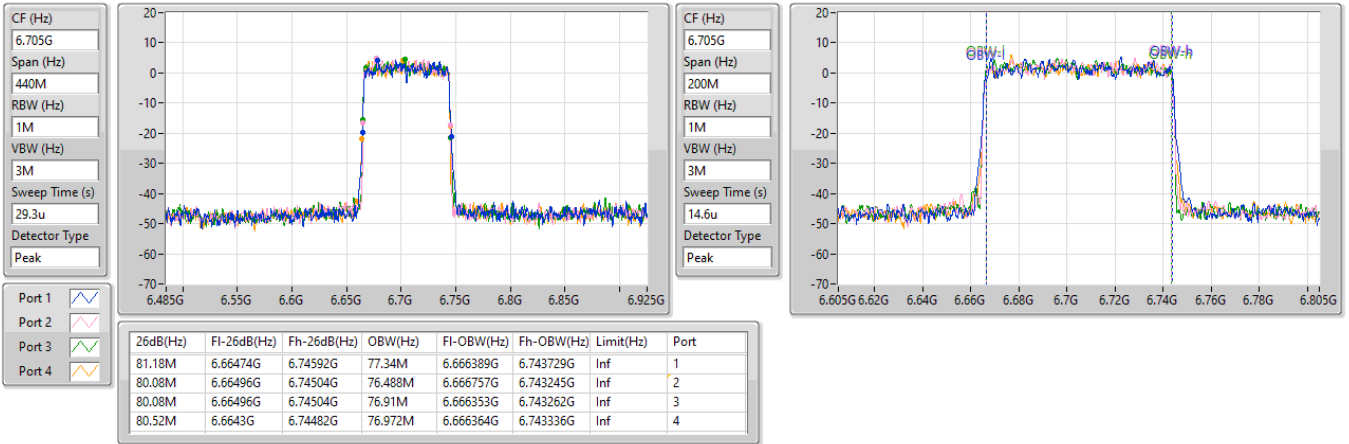


6.525-6.875GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

6705MHz

14/09/2023

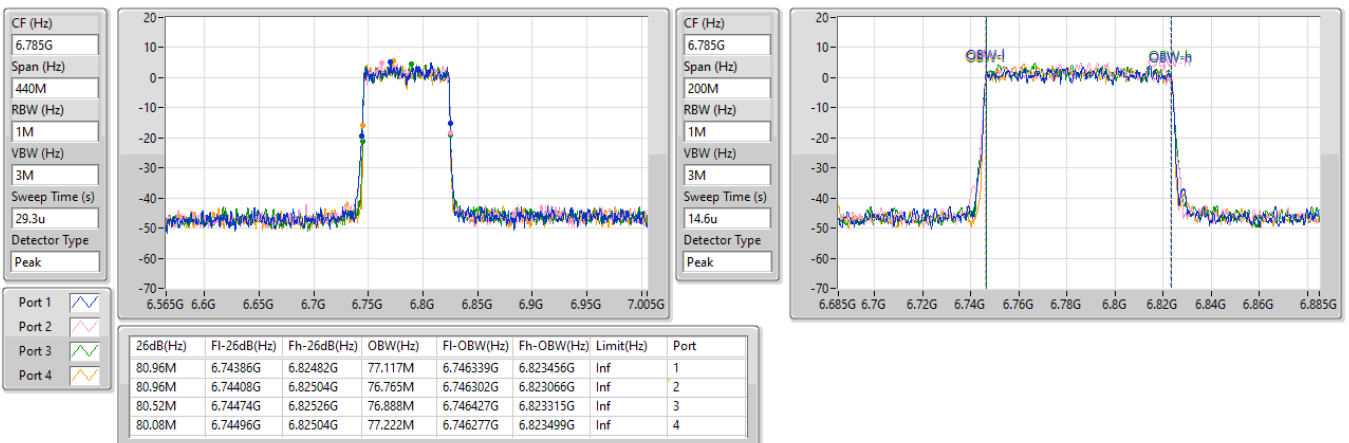


6.525-6.875GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

6785MHz

14/09/2023

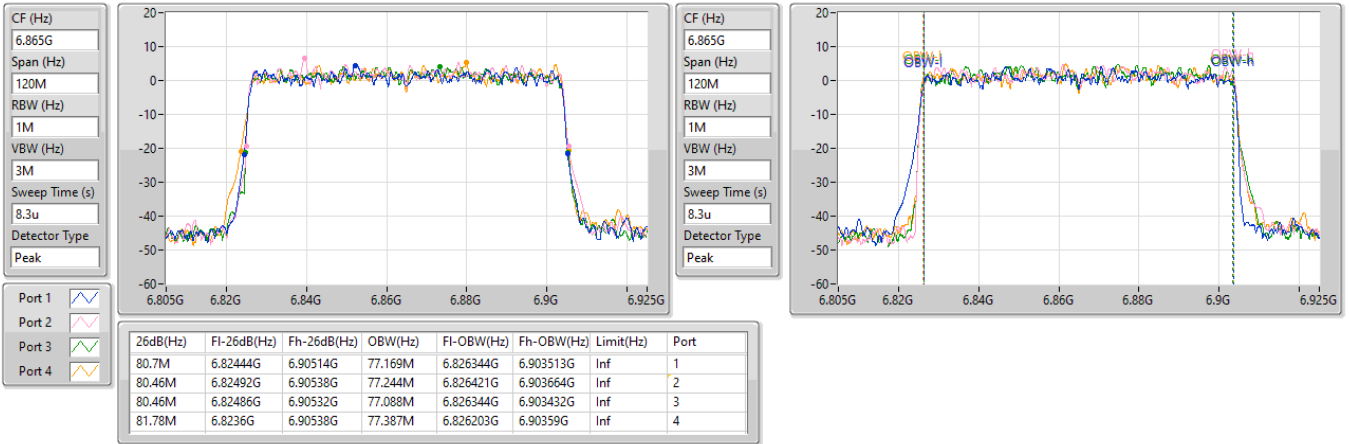


6.525-6.875GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

6865MHz Straddle 6.525-6.875GHz

14/09/2023

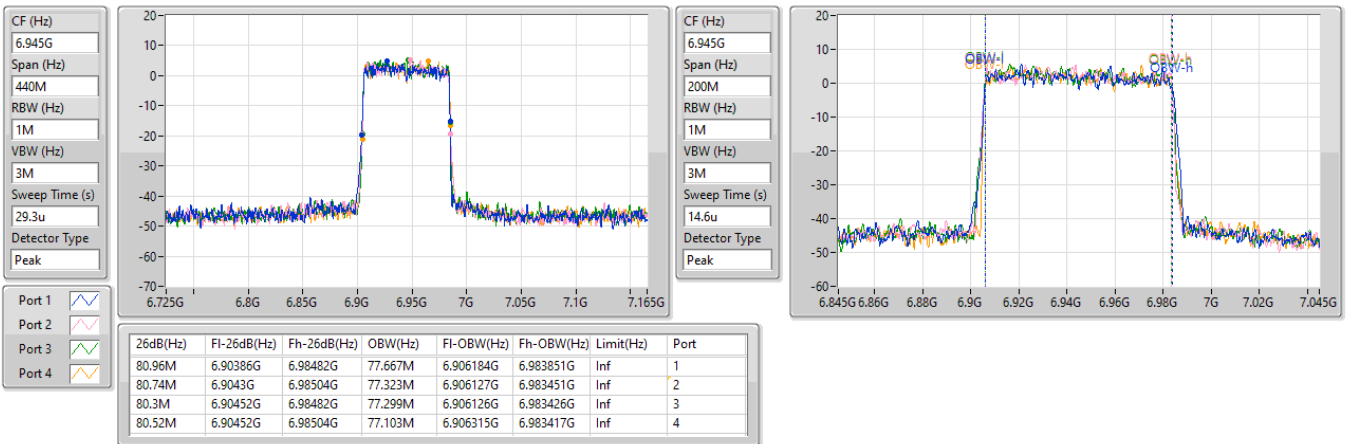


6.875-7.125GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

6945MHz

14/09/2023



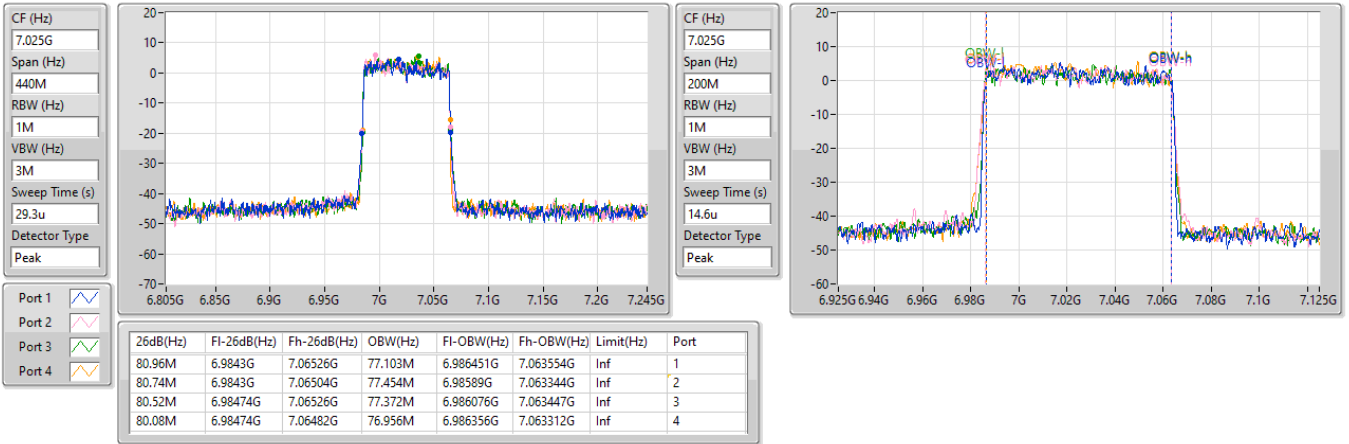


6.875-7.125GHz\_802.11be EHT80-BF\_Nss2,(MCS0)\_4TX

EBW

7025MHz

14/09/2023

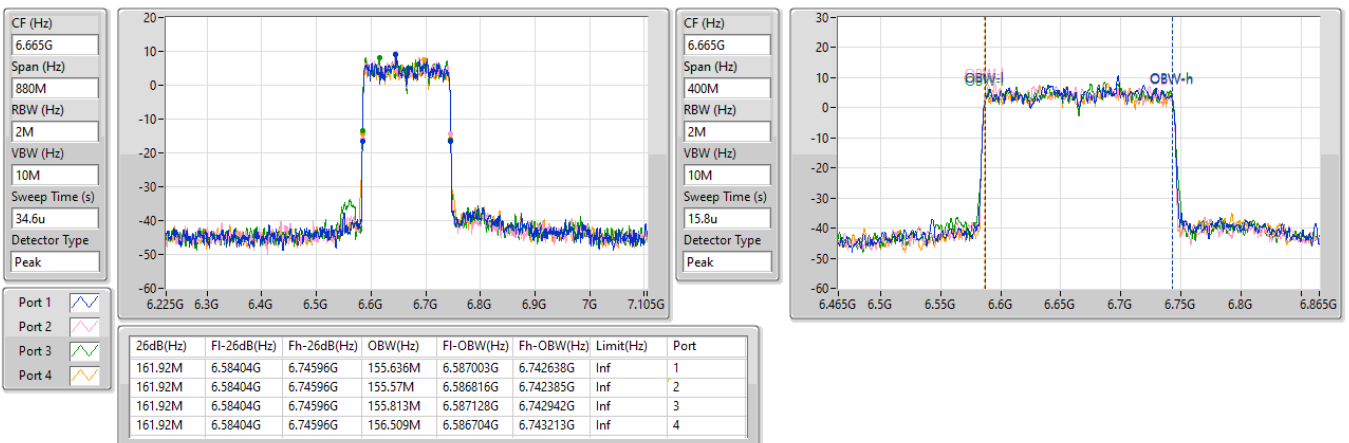


6.525-6.875GHz\_802.11be EHT160-BF\_Nss2,(MCS0)\_4TX

EBW

6665MHz

14/09/2023



6.525-6.875GHz\_802.11be EHT160-BF\_Nss2,(MCS0)\_4TX

EBW

6825MHz Straddle 6.525-6.875GHz

14/09/2023

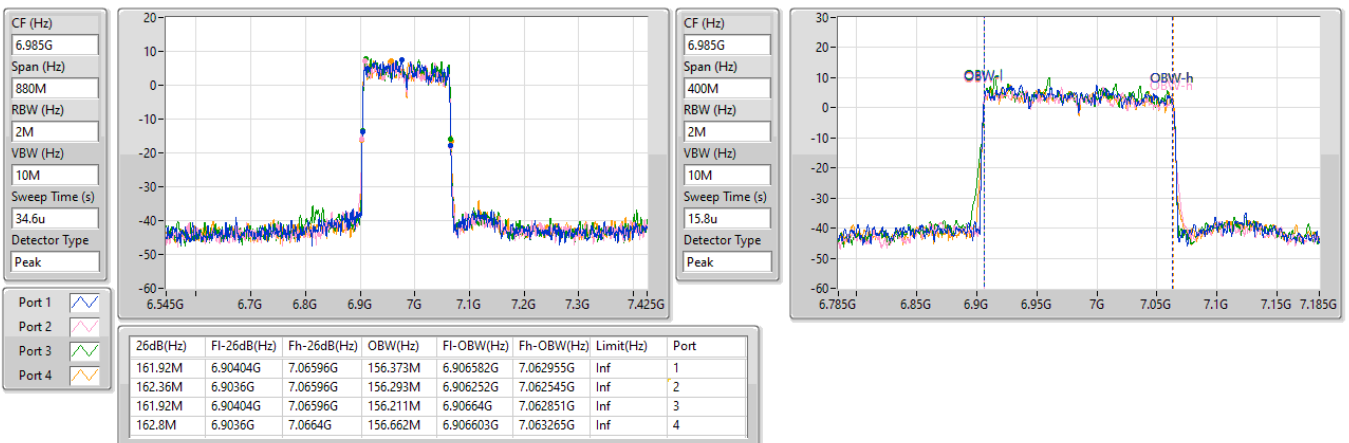


6.875-7.125GHz\_802.11be EHT160-BF\_Nss2,(MCS0)\_4TX

EBW

6985MHz

14/09/2023

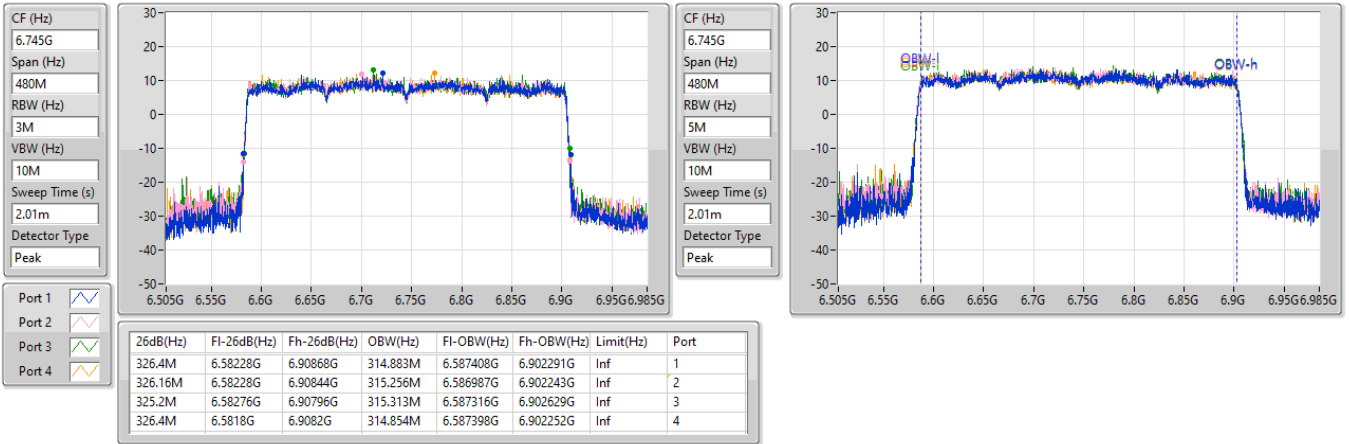


6.525-6.875GHz\_802.11be EHT320-BF\_Nss2,(MCS0)\_4TX

EBW

6745MHz Straddle 6.525-6.875GHz

15/09/2023

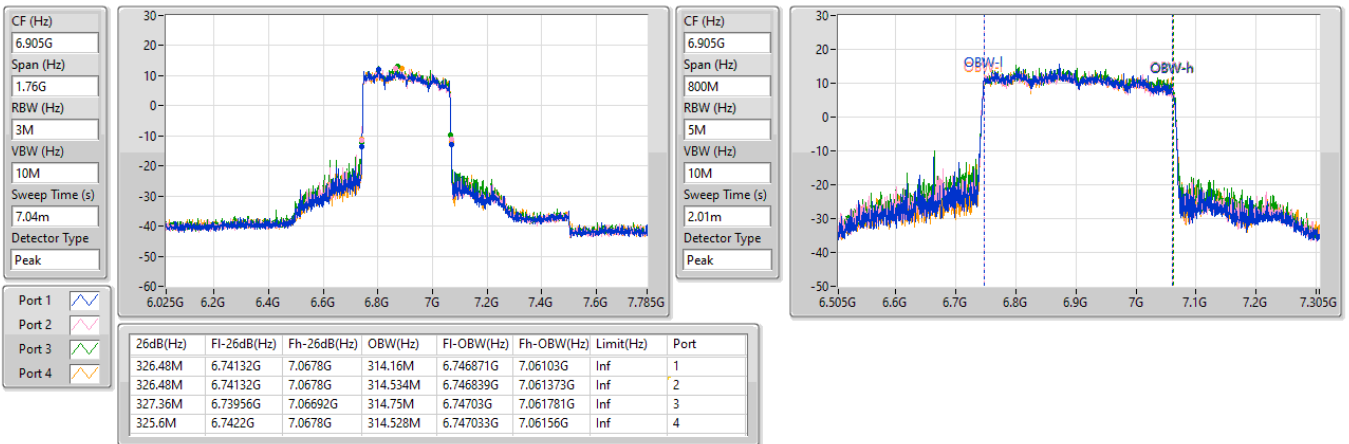


6.875-7.125GHz\_802.11be EHT320-BF\_Nss2,(MCS0)\_4TX

EBW

6905MHz

15/09/2023





Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	13.53	0.02254	16.30	0.04266
802.11be EHT20-BF_Nss1,(MCS0)_4TX	15.73	0.03741	19.86	0.09683
802.11be EHT20-BF_Nss2,(MCS0)_4TX	16.85	0.04842	19.62	0.09162
802.11be EHT40-BF_Nss1,(MCS0)_4TX	18.31	0.06776	22.44	0.17539
802.11be EHT40-BF_Nss2,(MCS0)_4TX	19.78	0.09506	22.55	0.17989
802.11be EHT80-BF_Nss1,(MCS0)_4TX	20.90	0.12303	25.03	0.31842
802.11be EHT80-BF_Nss2,(MCS0)_4TX	22.42	0.17458	25.19	0.33037
802.11be EHT160-BF_Nss1,(MCS0)_4TX	23.65	0.23174	27.78	0.59979
802.11be EHT160-BF_Nss2,(MCS0)_4TX	25.05	0.31989	27.82	0.60534
802.11be EHT320-BF_Nss1,(MCS0)_4TX	25.68	0.36983	29.81	0.95719
802.11be EHT320-BF_Nss2,(MCS0)_4TX	27.21	0.52602	29.98	0.99541

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-
5955MHz	Pass	2.77	7.21	7.42	7.29	7.09	13.27	16.04	30.00
6195MHz	Pass	2.77	6.94	6.77	8.43	7.70	13.53	16.30	30.00
6415MHz	Pass	2.77	6.91	8.00	7.86	7.07	13.51	16.28	30.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5955MHz	Pass	4.13	9.33	9.55	9.18	9.24	15.35	19.48	30.00
6195MHz	Pass	4.13	9.50	9.67	10.23	9.37	15.73	19.86	30.00
6415MHz	Pass	4.13	8.59	8.90	9.37	8.51	14.88	19.01	30.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5965MHz	Pass	4.13	11.65	12.37	11.61	12.29	18.01	22.14	30.00
6205MHz	Pass	4.13	11.58	12.53	12.26	12.69	18.31	22.44	30.00
6405MHz	Pass	4.13	11.31	12.17	11.80	12.09	17.88	22.01	30.00
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5985MHz	Pass	4.13	14.62	15.24	14.38	15.21	20.90	25.03	30.00
6225MHz	Pass	4.13	14.36	14.87	14.95	15.27	20.90	25.03	30.00
6385MHz	Pass	4.13	14.01	14.66	14.10	14.62	20.38	24.51	30.00
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6025MHz	Pass	4.13	17.35	17.66	17.35	17.43	23.47	27.60	30.00
6185MHz	Pass	4.13	17.52	17.62	17.92	17.46	23.65	27.78	30.00
6345MHz	Pass	4.13	17.14	17.13	17.06	17.06	23.12	27.25	30.00
802.11be EHT320-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6105MHz	Pass	4.13	19.52	19.75	20.05	19.24	25.67	29.80	30.00
6265MHz	Pass	4.13	19.64	19.61	19.85	19.53	25.68	29.81	30.00
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5955MHz	Pass	2.77	10.29	10.77	10.41	10.49	16.51	19.28	30.00
6195MHz	Pass	2.77	10.57	10.89	11.31	10.50	16.85	19.62	30.00
6415MHz	Pass	2.77	10.21	10.60	10.83	10.04	16.45	19.22	30.00
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5965MHz	Pass	2.77	12.99	13.79	13.06	13.66	19.41	22.18	30.00
6205MHz	Pass	2.77	13.08	14.10	13.80	13.97	19.78	22.55	30.00
6405MHz	Pass	2.77	13.12	13.50	13.49	13.44	19.41	22.18	30.00
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5985MHz	Pass	2.77	16.09	16.61	16.14	16.71	22.42	25.19	30.00
6225MHz	Pass	2.77	15.98	16.33	16.48	16.61	22.38	25.15	30.00
6385MHz	Pass	2.77	15.73	15.90	15.90	16.02	21.91	24.68	30.00
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6025MHz	Pass	2.77	18.81	19.42	18.87	18.99	25.05	27.82	30.00
6185MHz	Pass	2.77	18.65	18.88	19.15	18.87	24.91	27.68	30.00
6345MHz	Pass	2.77	18.78	18.63	18.43	18.46	24.60	27.37	30.00
802.11be EHT320-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6105MHz	Pass	2.77	21.00	21.44	21.32	20.85	27.18	29.95	30.00
6265MHz	Pass	2.77	21.13	21.05	21.60	20.95	27.21	29.98	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
6.525-6.875GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	13.57	0.02275	17.28	0.05346
802.11be EHT20-BF_Nss1,(MCS0)_4TX	14.86	0.03062	19.09	0.08110
802.11be EHT20-BF_Nss2,(MCS0)_4TX	15.40	0.03467	19.11	0.08147
802.11be EHT40-BF_Nss1,(MCS0)_4TX	17.81	0.06039	22.04	0.15996
802.11be EHT40-BF_Nss2,(MCS0)_4TX	18.52	0.07112	22.23	0.16711
802.11be EHT80-BF_Nss1,(MCS0)_4TX	20.54	0.11324	24.77	0.29992
802.11be EHT80-BF_Nss2,(MCS0)_4TX	21.38	0.13740	25.09	0.32285
802.11be EHT160-BF_Nss1,(MCS0)_4TX	23.32	0.21478	27.55	0.56885
802.11be EHT160-BF_Nss2,(MCS0)_4TX	24.22	0.26424	27.93	0.62087
802.11be EHT320-BF_Nss1,(MCS0)_4TX	25.39	0.34594	29.62	0.91622
802.11be EHT320-BF_Nss2,(MCS0)_4TX	26.10	0.40738	29.81	0.95719
6.875-7.125GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	12.55	0.01799	15.95	0.03936
802.11be EHT20-BF_Nss1,(MCS0)_4TX	14.31	0.02698	19.15	0.08222
802.11be EHT20-BF_Nss2,(MCS0)_4TX	15.71	0.03724	19.11	0.08147
802.11be EHT40-BF_Nss1,(MCS0)_4TX	17.31	0.05383	22.15	0.16406
802.11be EHT40-BF_Nss2,(MCS0)_4TX	19.10	0.08128	22.50	0.17783
802.11be EHT80-BF_Nss1,(MCS0)_4TX	20.00	0.10000	24.84	0.30479
802.11be EHT80-BF_Nss2,(MCS0)_4TX	22.01	0.15885	25.41	0.34754
802.11be EHT160-BF_Nss1,(MCS0)_4TX	22.28	0.16904	27.12	0.51523
802.11be EHT160-BF_Nss2,(MCS0)_4TX	23.68	0.23335	27.08	0.51050
802.11be EHT320-BF_Nss1,(MCS0)_4TX	25.14	0.32659	29.98	0.99541
802.11be EHT320-BF_Nss2,(MCS0)_4TX	26.54	0.45082	29.94	0.98628



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-
6595MHz	Pass	3.71	8.24	6.57	7.25	6.81	13.29	17.00	30.00
6695MHz	Pass	3.71	8.91	6.96	7.30	6.67	13.57	17.28	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	3.71	8.95	6.68	7.10	6.54	13.45	17.16	30.00
6895MHz	Pass	3.40	8.12	5.71	6.24	5.52	12.55	15.95	30.00
6995MHz	Pass	3.40	7.76	5.73	6.18	5.66	12.44	15.84	30.00
7095MHz	Pass	3.40	7.08	5.07	6.42	5.34	12.07	15.47	30.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6595MHz	Pass	4.23	9.19	9.29	8.66	7.92	14.82	19.05	30.00
6695MHz	Pass	4.23	9.22	9.32	8.69	7.99	14.86	19.09	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	4.23	9.03	9.02	8.73	8.07	14.75	18.98	30.00
6895MHz	Pass	4.84	8.40	8.39	8.34	8.02	14.31	19.15	30.00
6995MHz	Pass	4.84	7.92	7.94	8.22	7.67	13.96	18.80	30.00
7095MHz	Pass	4.84	8.31	7.92	8.11	7.40	13.97	18.81	30.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6605MHz	Pass	4.23	11.55	12.42	11.68	11.45	17.81	22.04	30.00
6685MHz	Pass	4.23	11.39	12.28	11.47	11.17	17.62	21.85	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	4.23	11.28	12.42	11.36	11.52	17.69	21.92	30.00
6925MHz	Pass	4.84	10.73	11.72	11.30	11.36	17.31	22.15	30.00
7005MHz	Pass	4.84	10.42	11.36	10.93	10.90	16.94	21.78	30.00
7085MHz	Pass	4.84	10.45	11.57	11.16	10.91	17.06	21.90	30.00
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6625MHz	Pass	4.23	14.12	14.86	14.71	14.36	20.54	24.77	30.00
6705MHz	Pass	4.23	13.67	14.58	14.21	13.79	20.10	24.33	30.00
6785MHz	Pass	4.23	13.87	14.40	14.32	14.06	20.19	24.42	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	4.23	13.88	14.59	14.62	14.24	20.36	24.59	30.00
6945MHz	Pass	4.84	13.45	14.38	14.09	13.94	20.00	24.84	30.00
7025MHz	Pass	4.84	13.36	13.90	13.74	13.96	19.77	24.61	30.00
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6665MHz	Pass	4.23	17.30	17.26	17.65	16.68	23.26	27.49	30.00
6825MHz Straddle 6.525-6.875GHz	Pass	4.23	17.55	17.61	17.23	16.75	23.32	27.55	30.00
6985MHz	Pass	4.84	16.49	16.17	16.41	15.94	22.28	27.12	30.00
802.11be EHT320-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6745MHz Straddle 6.525-6.875GHz	Pass	4.23	19.43	19.53	19.39	19.10	25.39	29.62	30.00
6905MHz	Pass	4.84	19.47	19.35	19.04	18.57	25.14	29.98	30.00
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6595MHz	Pass	3.71	9.63	9.75	9.11	8.54	15.30	19.01	30.00
6695MHz	Pass	3.71	9.63	9.64	9.12	8.45	15.26	18.97	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	3.71	9.38	9.74	9.41	8.93	15.40	19.11	30.00
6895MHz	Pass	3.40	9.58	9.75	9.96	9.43	15.71	19.11	30.00
6995MHz	Pass	3.40	9.46	9.49	9.45	9.09	15.40	18.80	30.00
7095MHz	Pass	3.40	9.76	9.82	9.87	9.23	15.70	19.10	30.00
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6605MHz	Pass	3.71	12.07	13.33	12.30	12.18	18.52	22.23	30.00
6685MHz	Pass	3.71	11.99	13.14	12.21	11.97	18.38	22.09	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	3.71	11.88	12.98	12.20	12.40	18.40	22.11	30.00
6925MHz	Pass	3.40	12.30	13.48	13.33	13.10	19.10	22.50	30.00
7005MHz	Pass	3.40	11.82	12.93	12.40	12.39	18.42	21.82	30.00
7085MHz	Pass	3.40	12.51	13.20	13.01	12.92	18.94	22.34	30.00
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6625MHz	Pass	3.71	14.93	15.58	15.60	15.24	21.37	25.08	30.00
6705MHz	Pass	3.71	14.86	15.46	15.38	14.91	21.18	24.89	30.00
6785MHz	Pass	3.71	14.83	15.37	15.49	15.05	21.21	24.92	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	3.71	14.95	15.61	15.60	15.26	21.38	25.09	30.00
6945MHz	Pass	3.40	15.71	16.17	16.10	15.96	22.01	25.41	30.00



## Average Power\_UNII 7~8

## Appendix C.2

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
7025MHz	Pass	3.40	15.40	15.79	15.57	15.88	21.68	25.08	30.00
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6665MHz	Pass	3.71	17.86	18.01	18.08	17.44	23.88	27.59	30.00
6825MHz Straddle 6.525-6.875GHz	Pass	3.71	18.13	18.32	18.37	17.95	24.22	27.93	30.00
6985MHz	Pass	3.40	17.82	17.36	17.93	17.52	23.68	27.08	30.00
802.11be EHT320-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6745MHz Straddle 6.525-6.875GHz	Pass	3.71	20.00	20.14	20.23	19.93	26.10	29.81	30.00
6905MHz	Pass	3.40	20.68	20.21	20.78	20.40	26.54	29.94	30.00

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





Summary

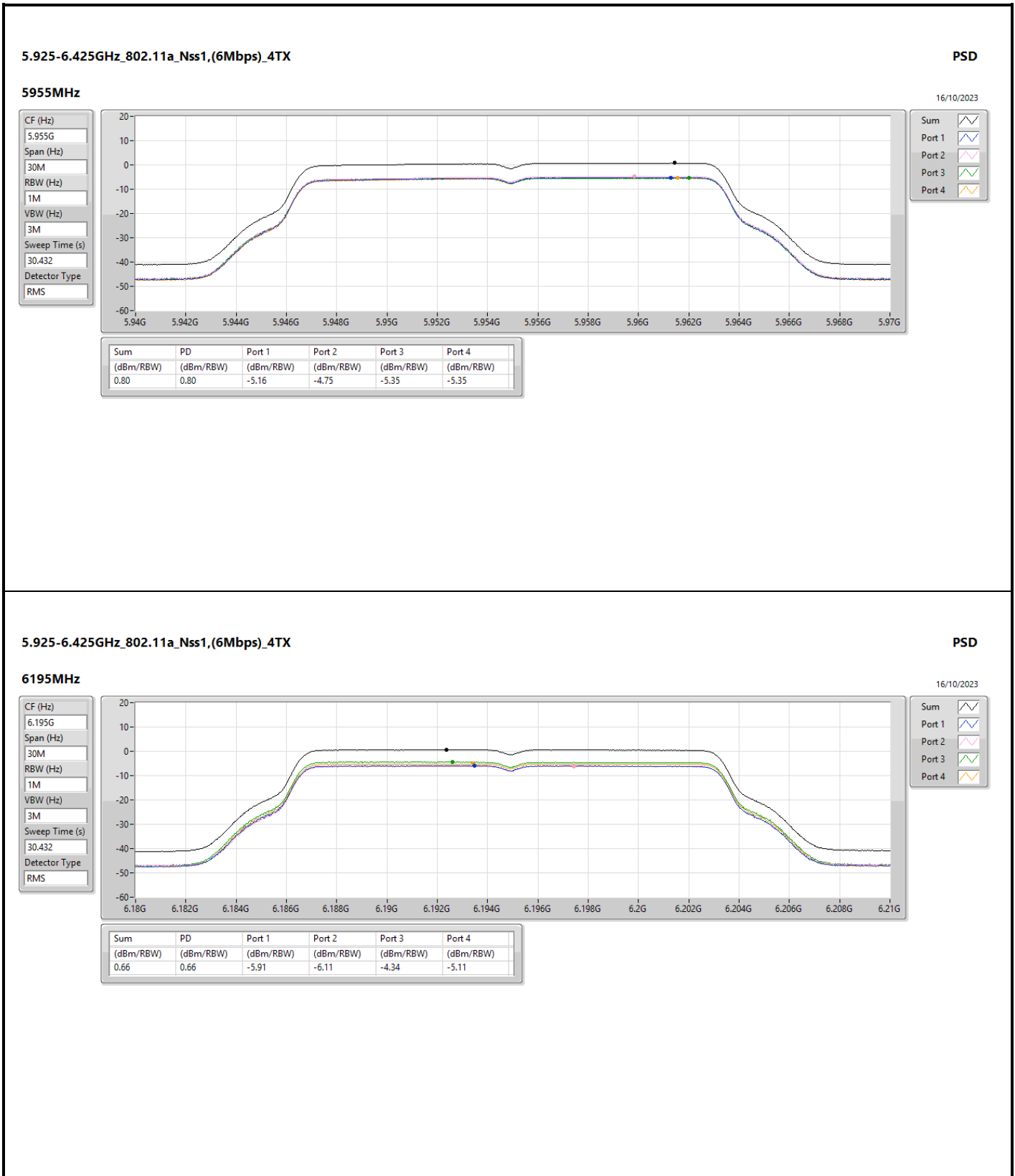
Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.925-6.425GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	0.83	4.96
802.11be EHT20-BF_Nss1,(MCS0)_4TX	0.86	4.99
802.11be EHT20-BF_Nss2,(MCS0)_4TX	2.19	4.96
802.11be EHT40-BF_Nss1,(MCS0)_4TX	0.86	4.99
802.11be EHT40-BF_Nss2,(MCS0)_4TX	2.21	4.98
802.11be EHT80-BF_Nss1,(MCS0)_4TX	0.75	4.88
802.11be EHT80-BF_Nss2,(MCS0)_4TX	2.14	4.91
802.11be EHT160-BF_Nss1,(MCS0)_4TX	0.78	4.91
802.11be EHT160-BF_Nss2,(MCS0)_4TX	2.11	4.88
802.11be EHT320-BF_Nss1,(MCS0)_4TX	0.26	4.39
802.11be EHT320-BF_Nss2,(MCS0)_4TX	1.90	4.67

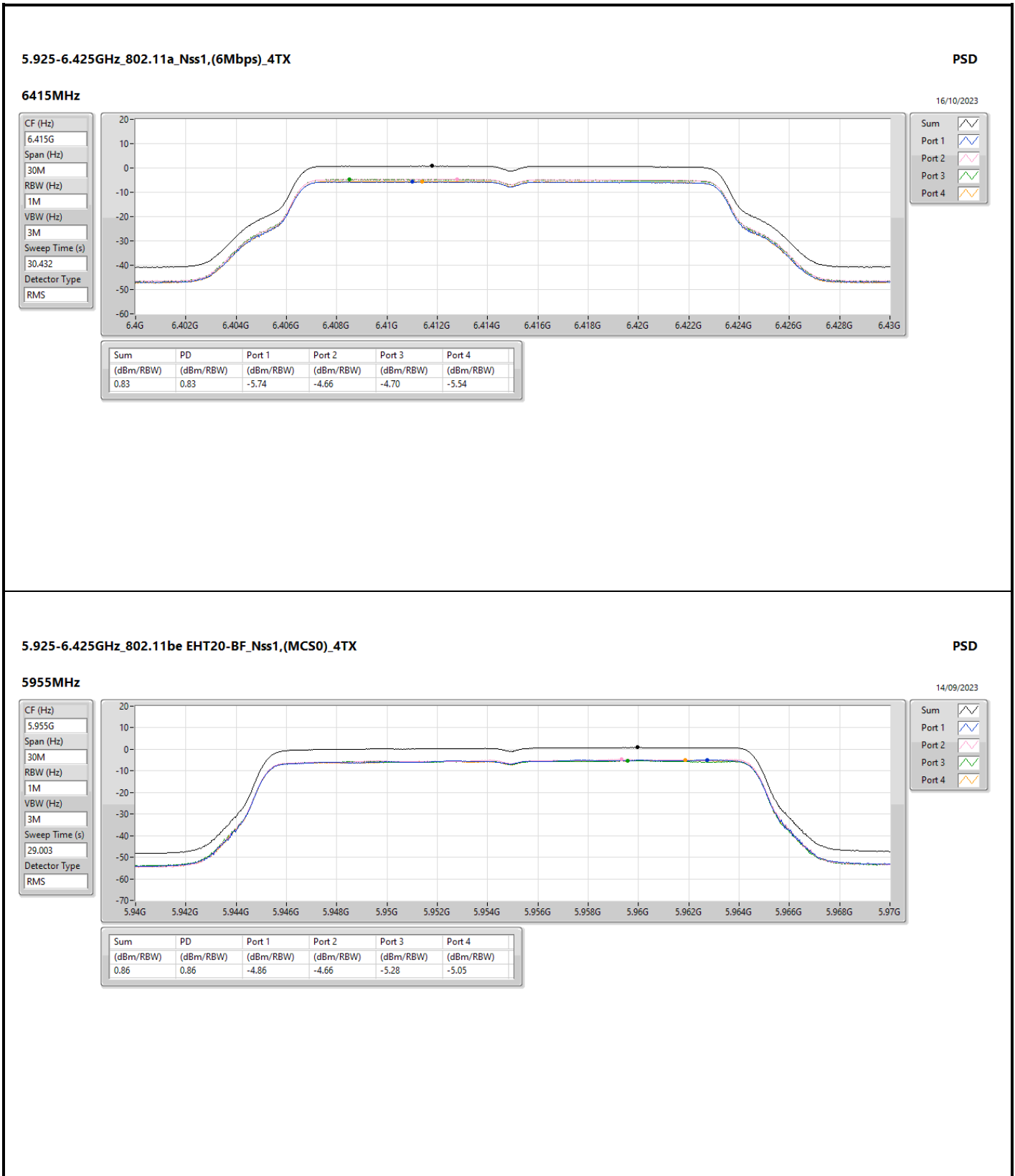
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

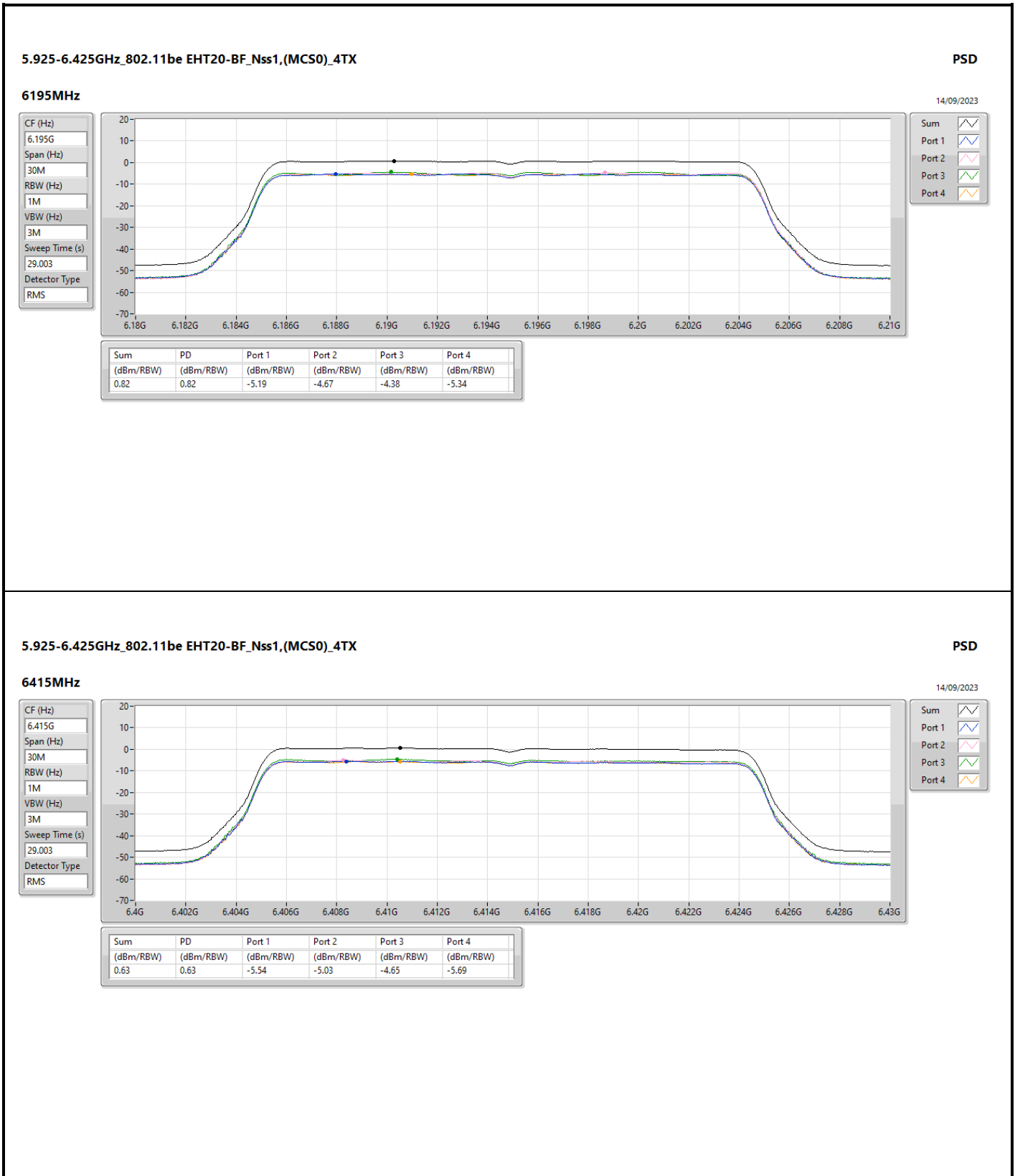
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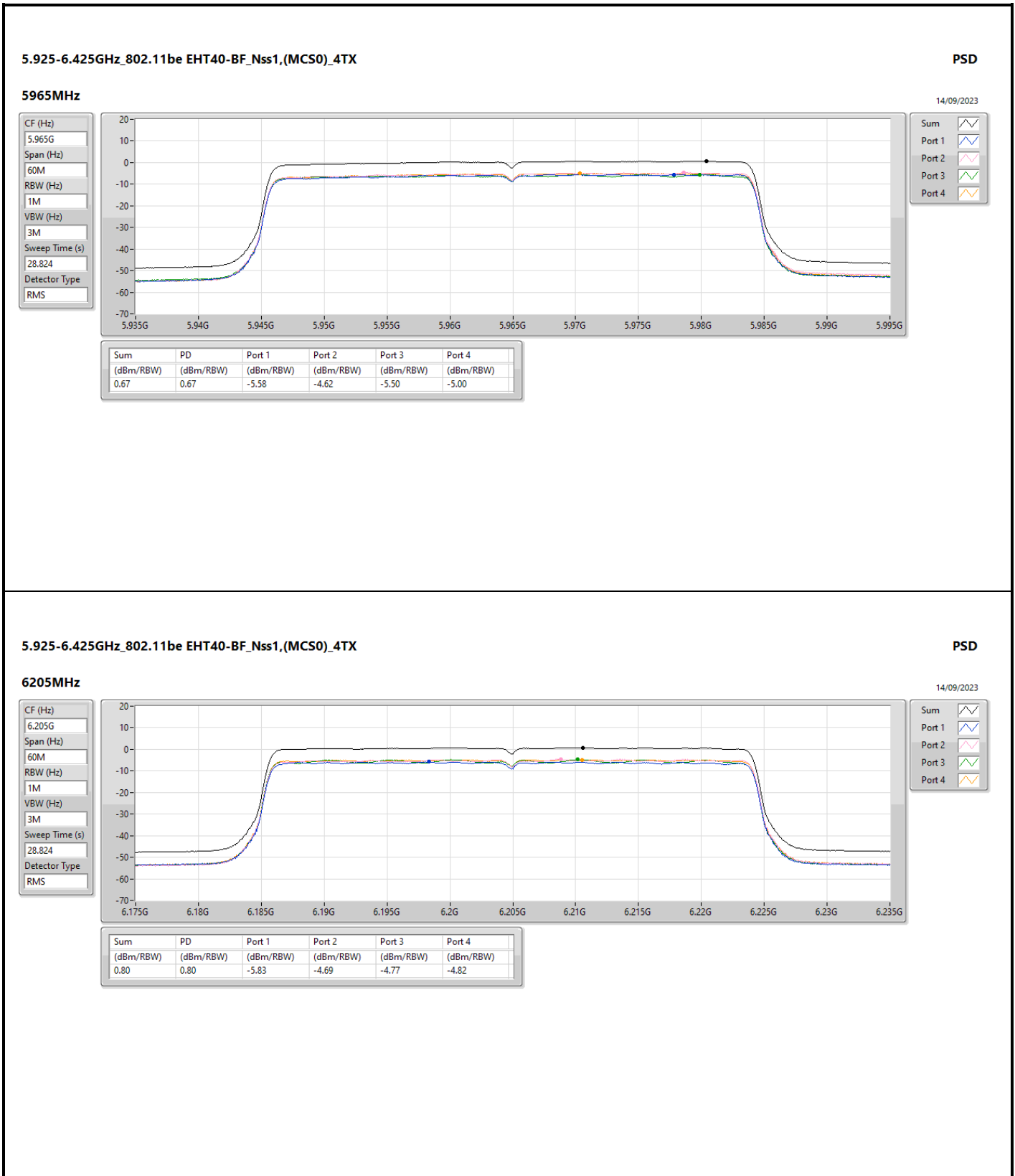
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-
5955MHz	Pass	4.13	-5.16	-4.75	-5.35	-5.35	0.80	4.93	5.00
6195MHz	Pass	4.13	-5.91	-6.11	-4.34	-5.11	0.66	4.79	5.00
6415MHz	Pass	4.13	-5.74	-4.66	-4.70	-5.54	0.83	4.96	5.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5955MHz	Pass	4.13	-4.86	-4.66	-5.28	-5.05	0.86	4.99	5.00
6195MHz	Pass	4.13	-5.19	-4.67	-4.38	-5.34	0.82	4.95	5.00
6415MHz	Pass	4.13	-5.54	-5.03	-4.65	-5.69	0.63	4.76	5.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5965MHz	Pass	4.13	-5.58	-4.62	-5.50	-5.00	0.67	4.80	5.00
6205MHz	Pass	4.13	-5.83	-4.69	-4.77	-4.82	0.80	4.93	5.00
6405MHz	Pass	4.13	-5.34	-4.64	-4.66	-4.86	0.86	4.99	5.00
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5985MHz	Pass	4.13	-5.42	-4.63	-5.58	-4.91	0.75	4.88	5.00
6225MHz	Pass	4.13	-5.68	-4.80	-5.19	-4.86	0.71	4.84	5.00
6385MHz	Pass	4.13	-5.22	-4.63	-5.09	-4.79	0.72	4.85	5.00
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6025MHz	Pass	4.13	-5.62	-5.06	-4.99	-5.25	0.62	4.75	5.00
6185MHz	Pass	4.13	-5.37	-4.76	-4.70	-5.46	0.70	4.83	5.00
6345MHz	Pass	4.13	-5.10	-4.84	-4.71	-5.26	0.78	4.91	5.00
802.11be EHT320-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6105MHz	Pass	4.13	-5.82	-5.72	-5.37	-6.22	-0.12	4.01	5.00
6265MHz	Pass	4.13	-5.64	-5.42	-5.34	-5.82	0.26	4.39	5.00
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5955MHz	Pass	2.77	-3.85	-3.64	-4.00	-3.50	2.19	4.96	5.00
6195MHz	Pass	2.77	-4.07	-3.84	-3.20	-4.07	2.10	4.87	5.00
6415MHz	Pass	2.77	-3.99	-3.86	-3.43	-4.07	2.10	4.87	5.00
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5965MHz	Pass	2.77	-4.31	-3.60	-4.17	-3.47	2.01	4.78	5.00
6205MHz	Pass	2.77	-4.47	-3.61	-3.55	-3.48	2.13	4.90	5.00
6405MHz	Pass	2.77	-3.80	-3.71	-3.62	-3.42	2.21	4.98	5.00
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5985MHz	Pass	2.77	-4.19	-3.56	-3.88	-3.66	2.03	4.80	5.00
6225MHz	Pass	2.77	-4.14	-3.88	-3.77	-3.53	2.05	4.82	5.00
6385MHz	Pass	2.77	-3.76	-3.71	-4.07	-3.40	2.14	4.91	5.00
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6025MHz	Pass	2.77	-4.08	-3.43	-3.66	-3.97	2.11	4.88	5.00
6185MHz	Pass	2.77	-4.16	-3.70	-3.46	-4.18	1.98	4.75	5.00
6345MHz	Pass	2.77	-3.83	-3.59	-3.53	-4.04	2.06	4.83	5.00
802.11be EHT320-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6105MHz	Pass	2.77	-4.47	-4.10	-4.29	-4.59	1.37	4.14	5.00
6265MHz	Pass	2.77	-4.19	-4.17	-3.72	-4.23	1.90	4.67	5.00

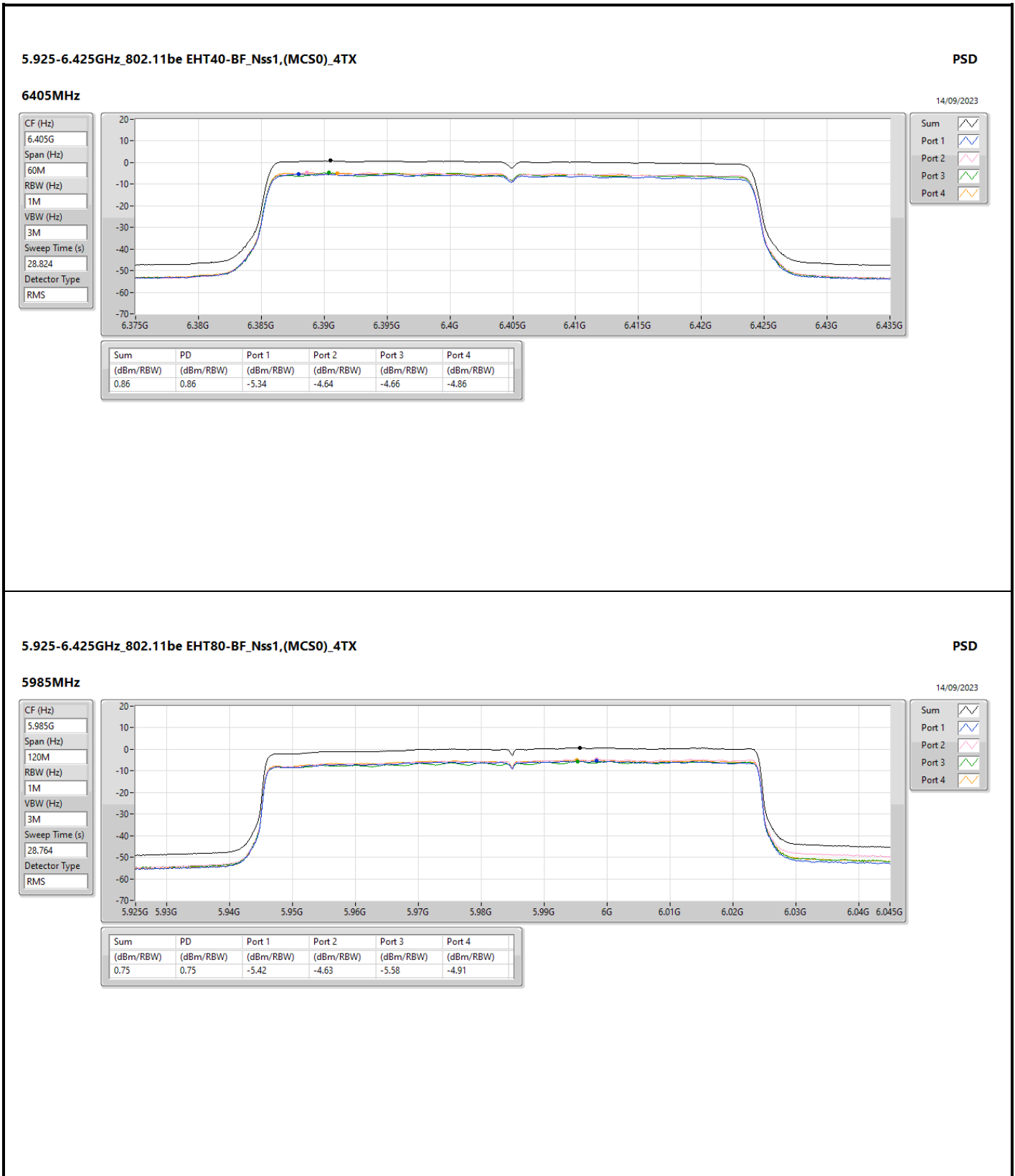
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

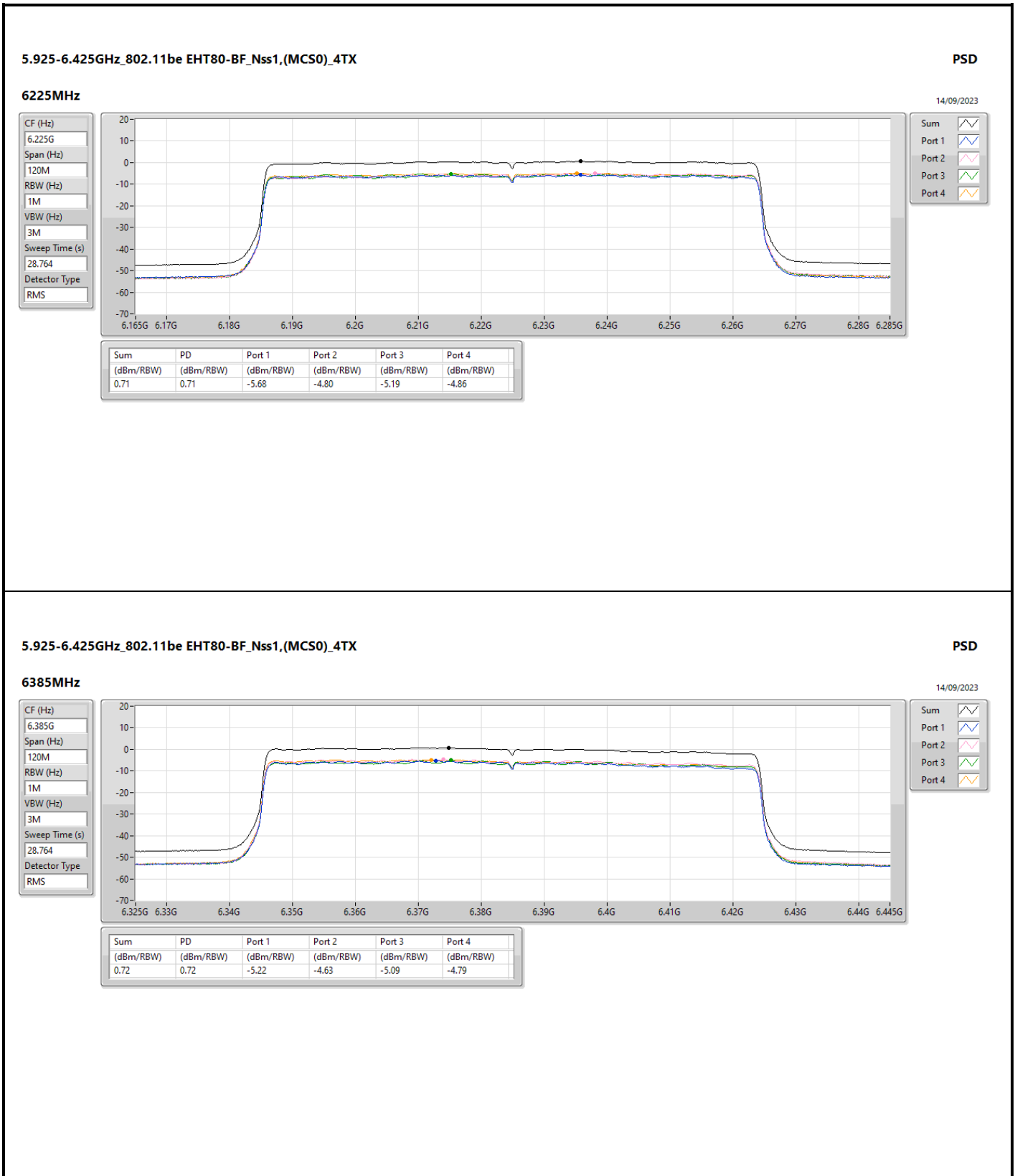




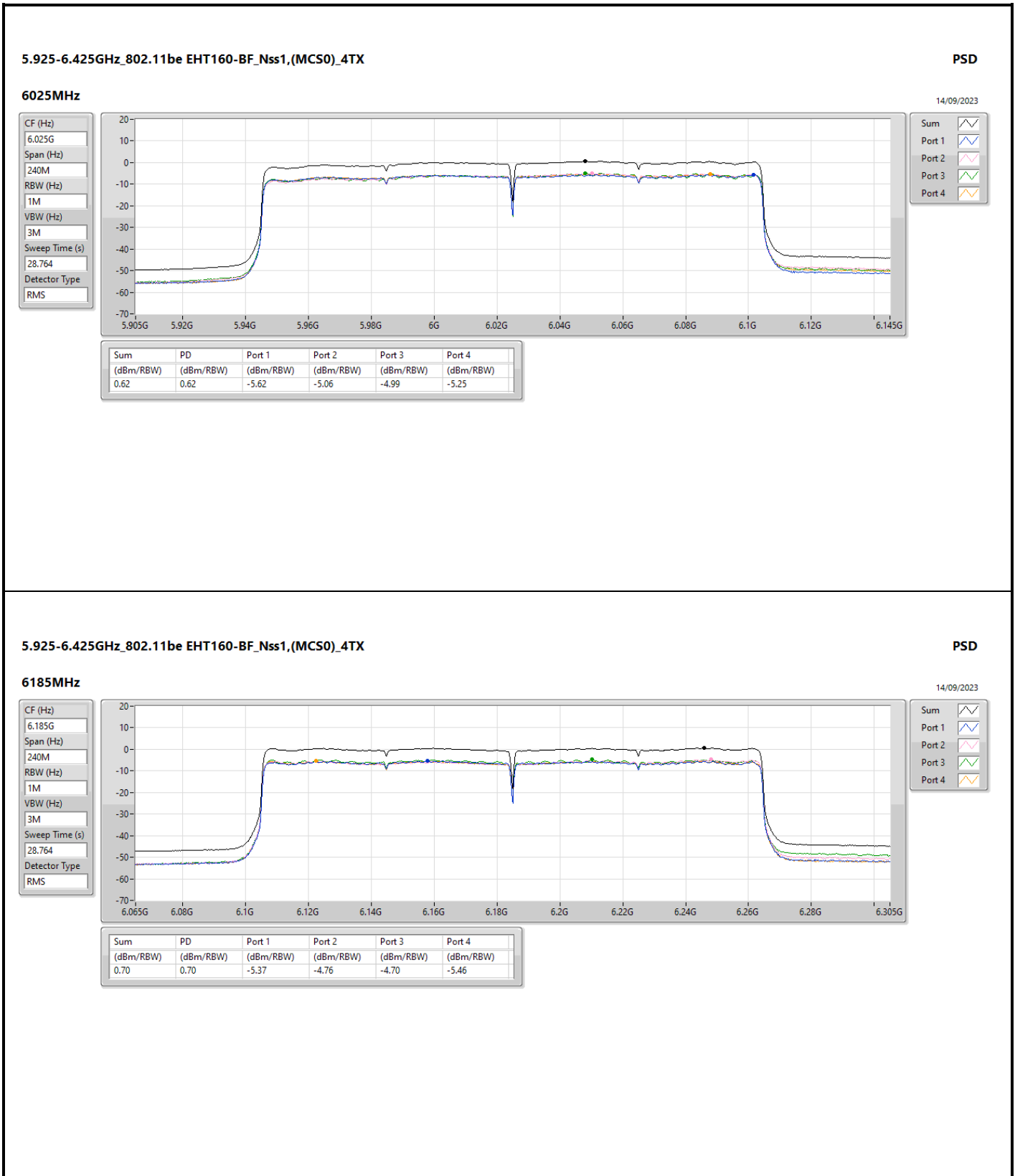


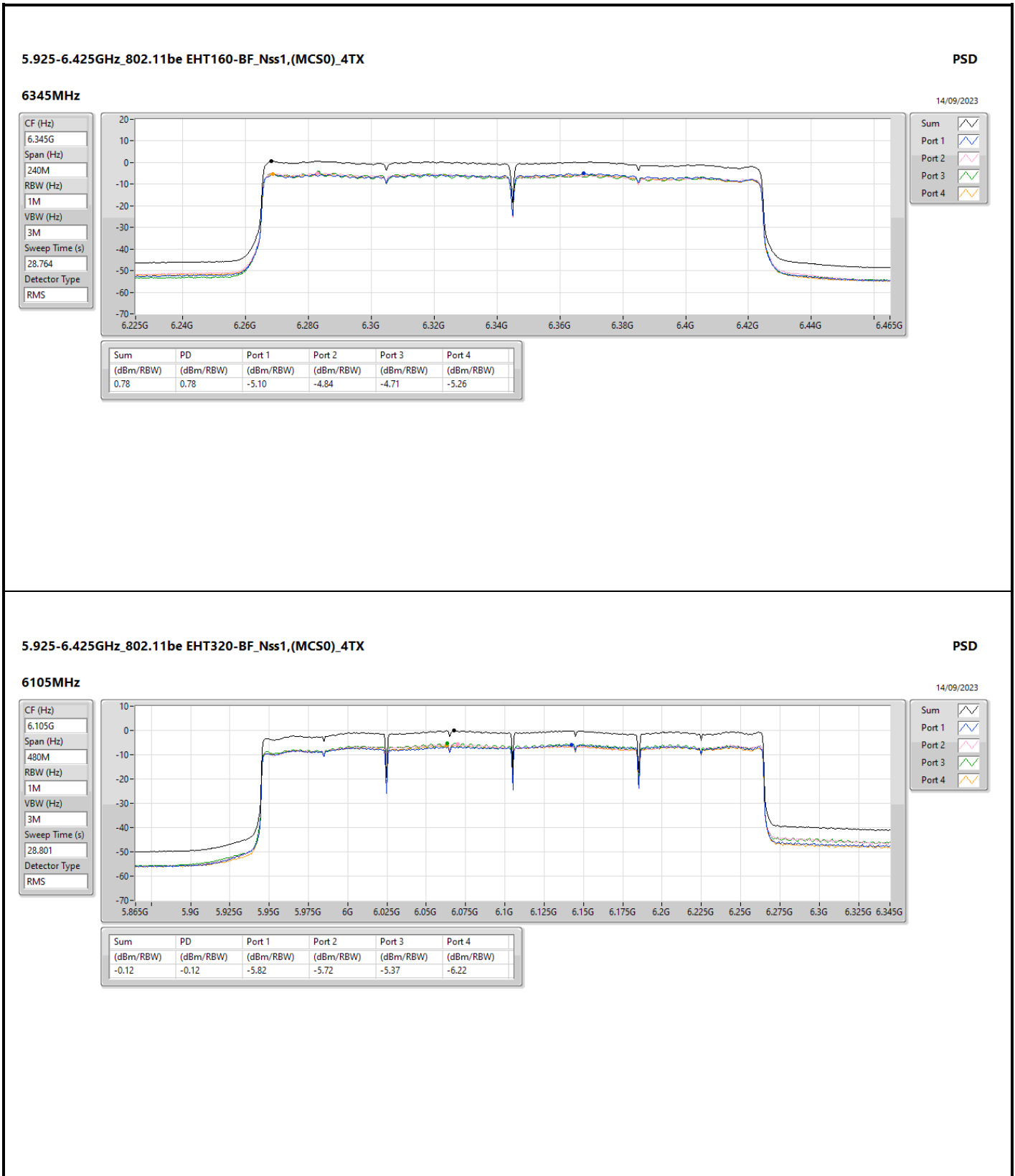


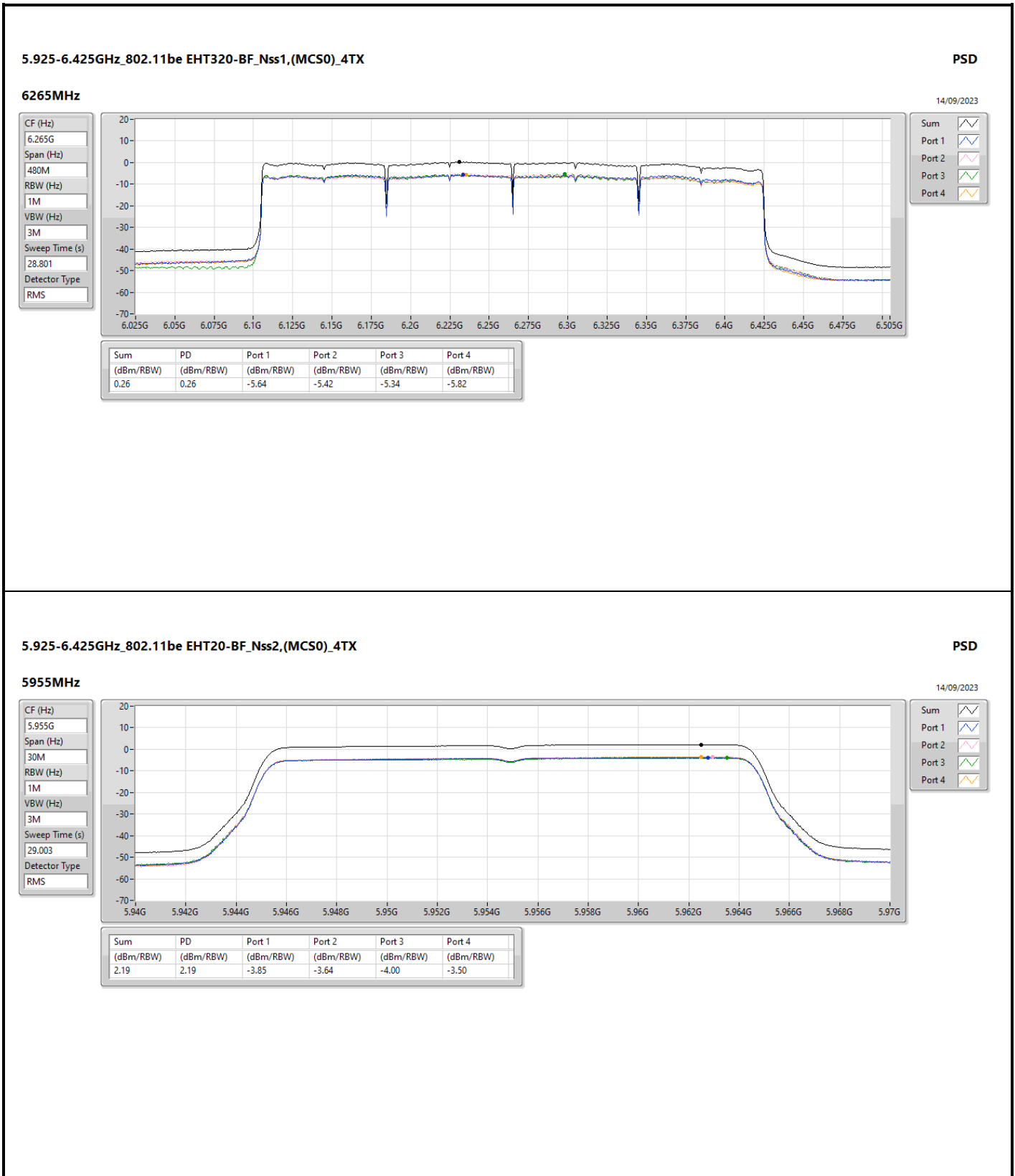


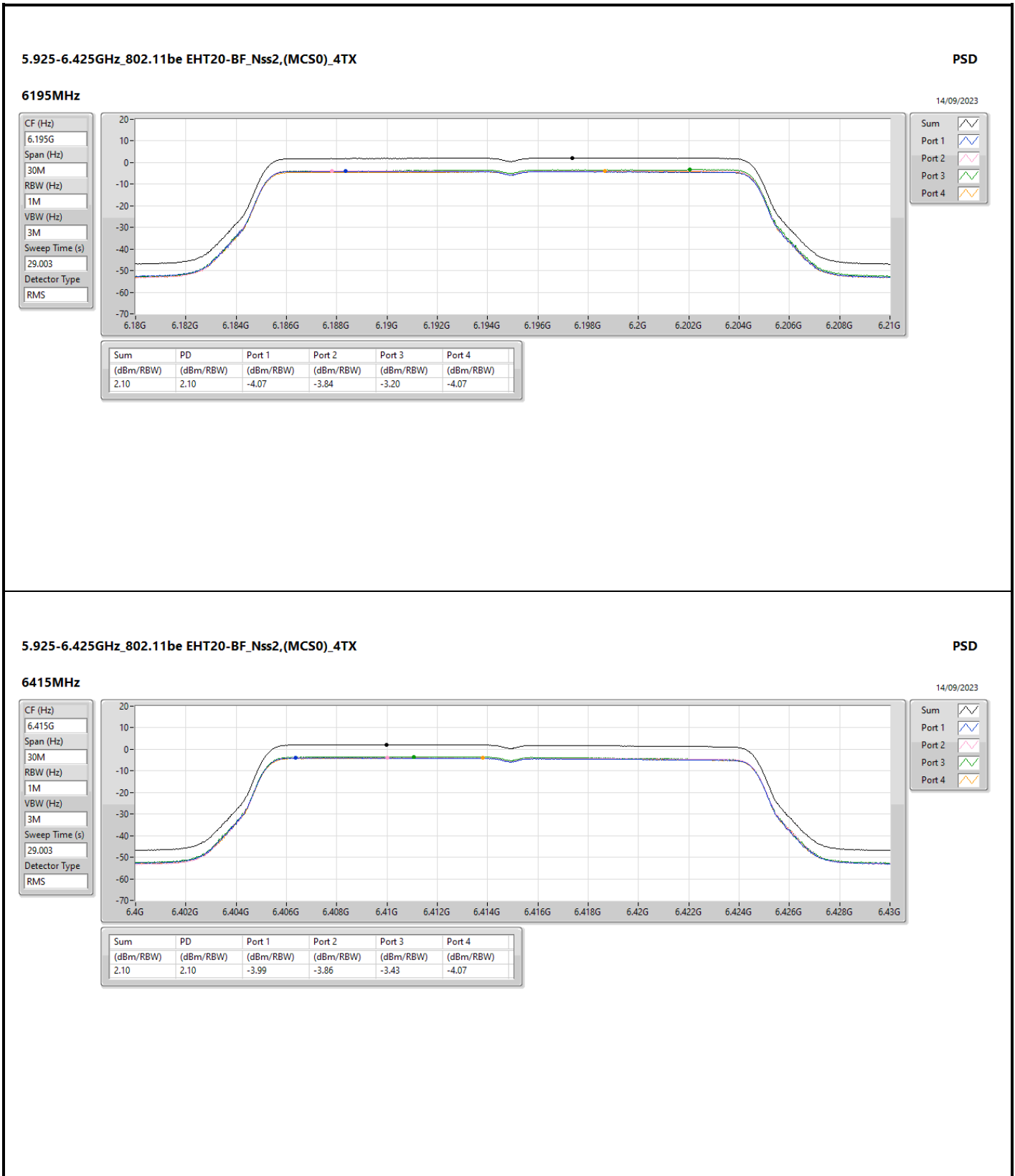


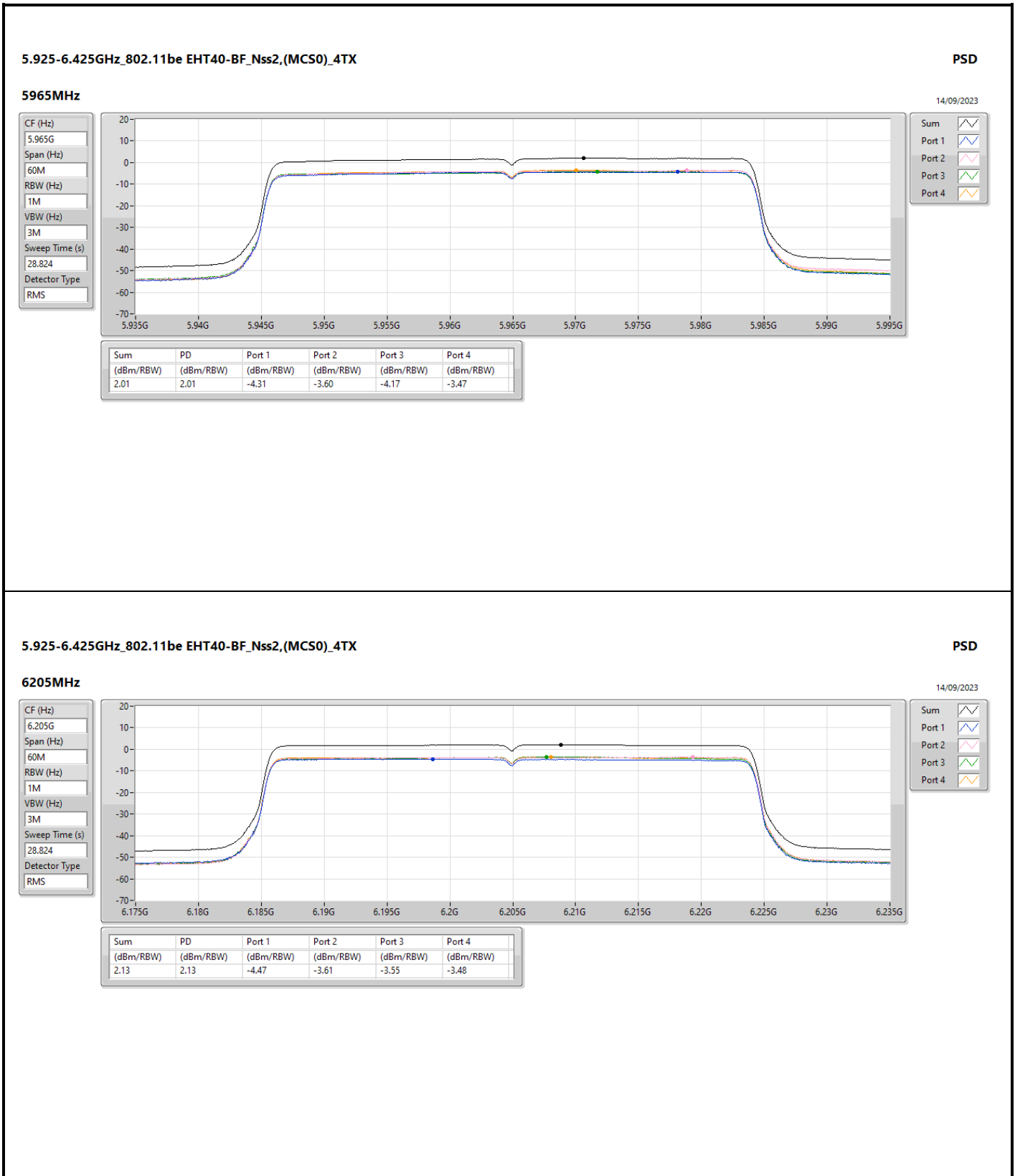


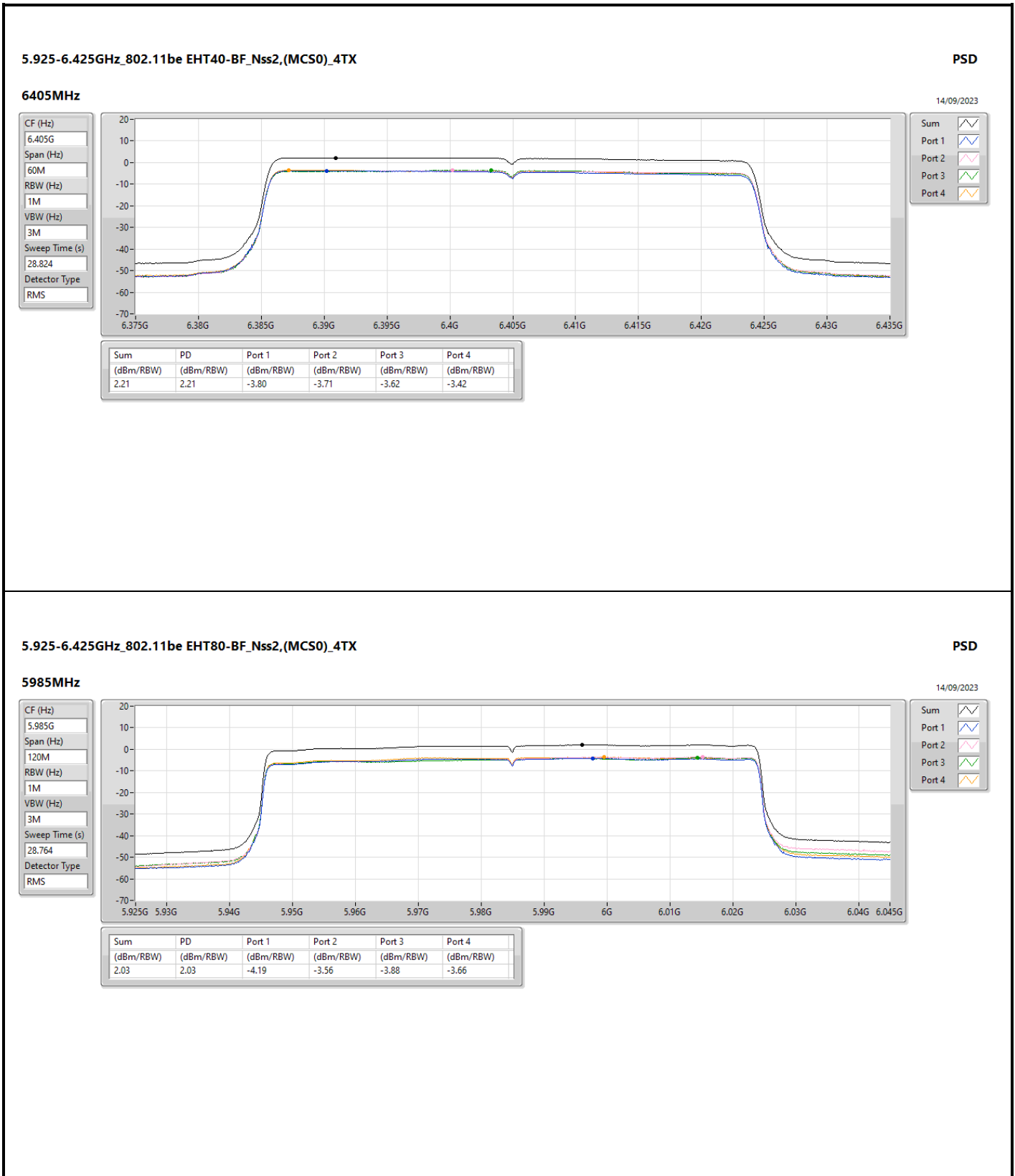


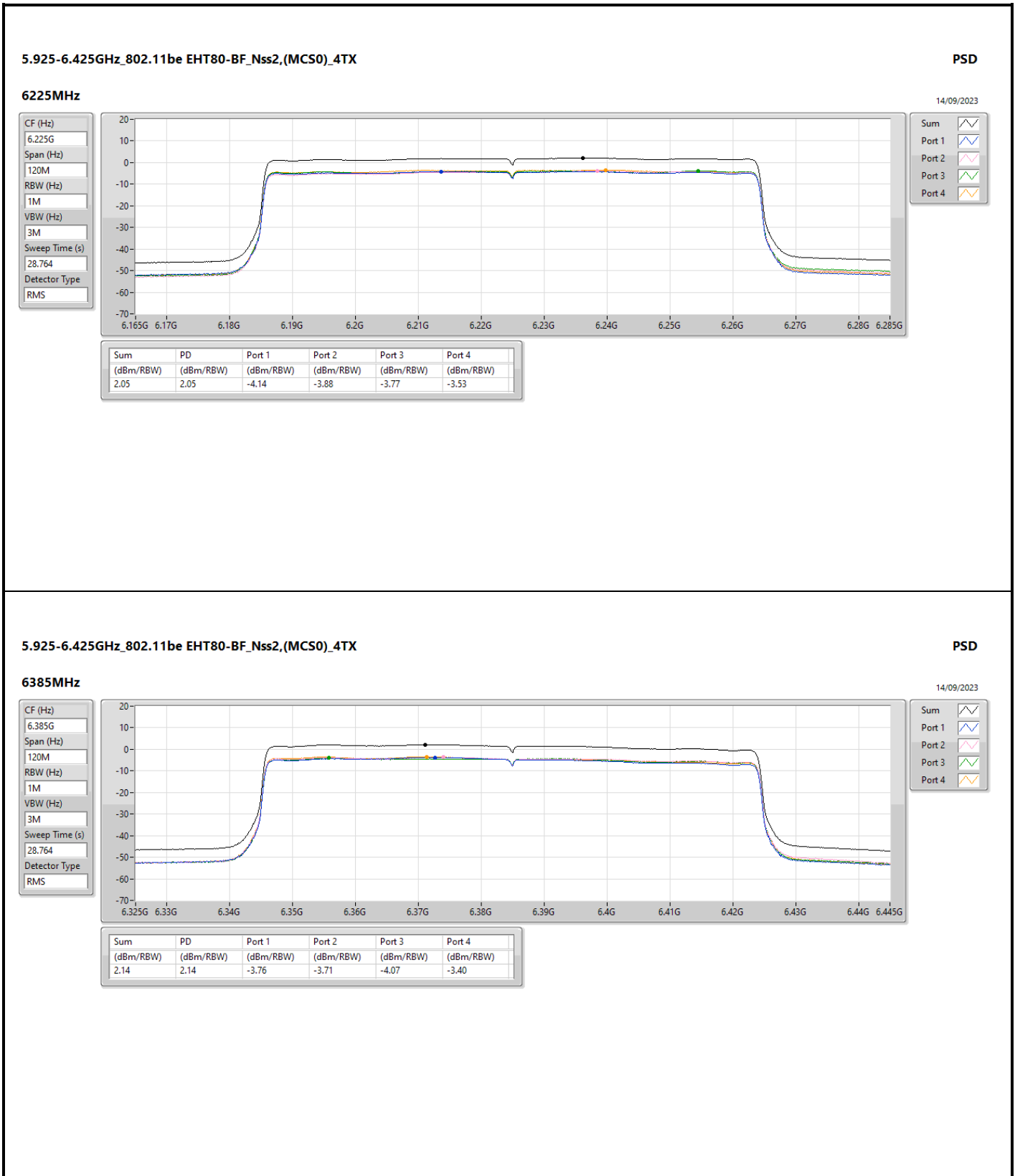


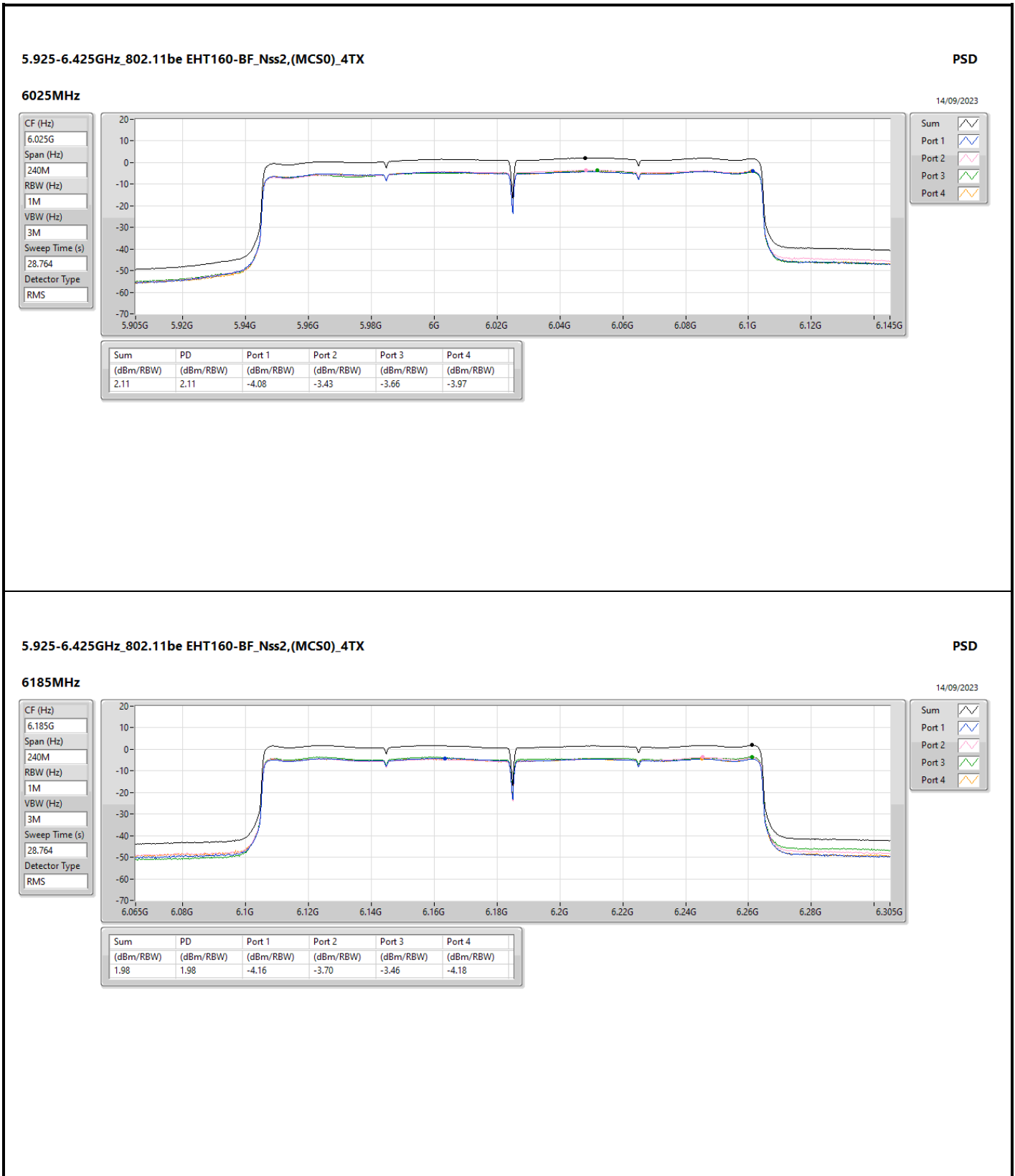




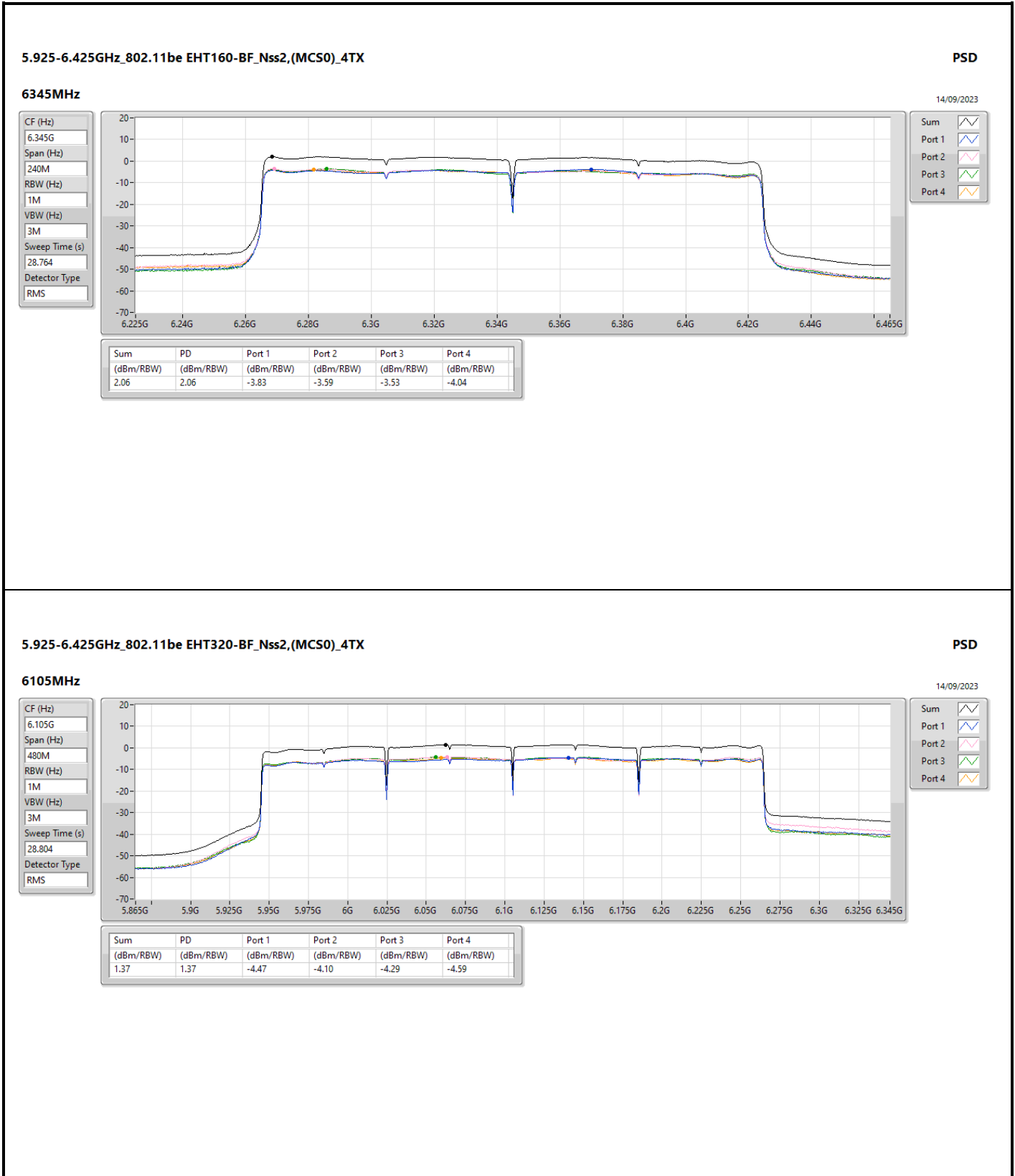


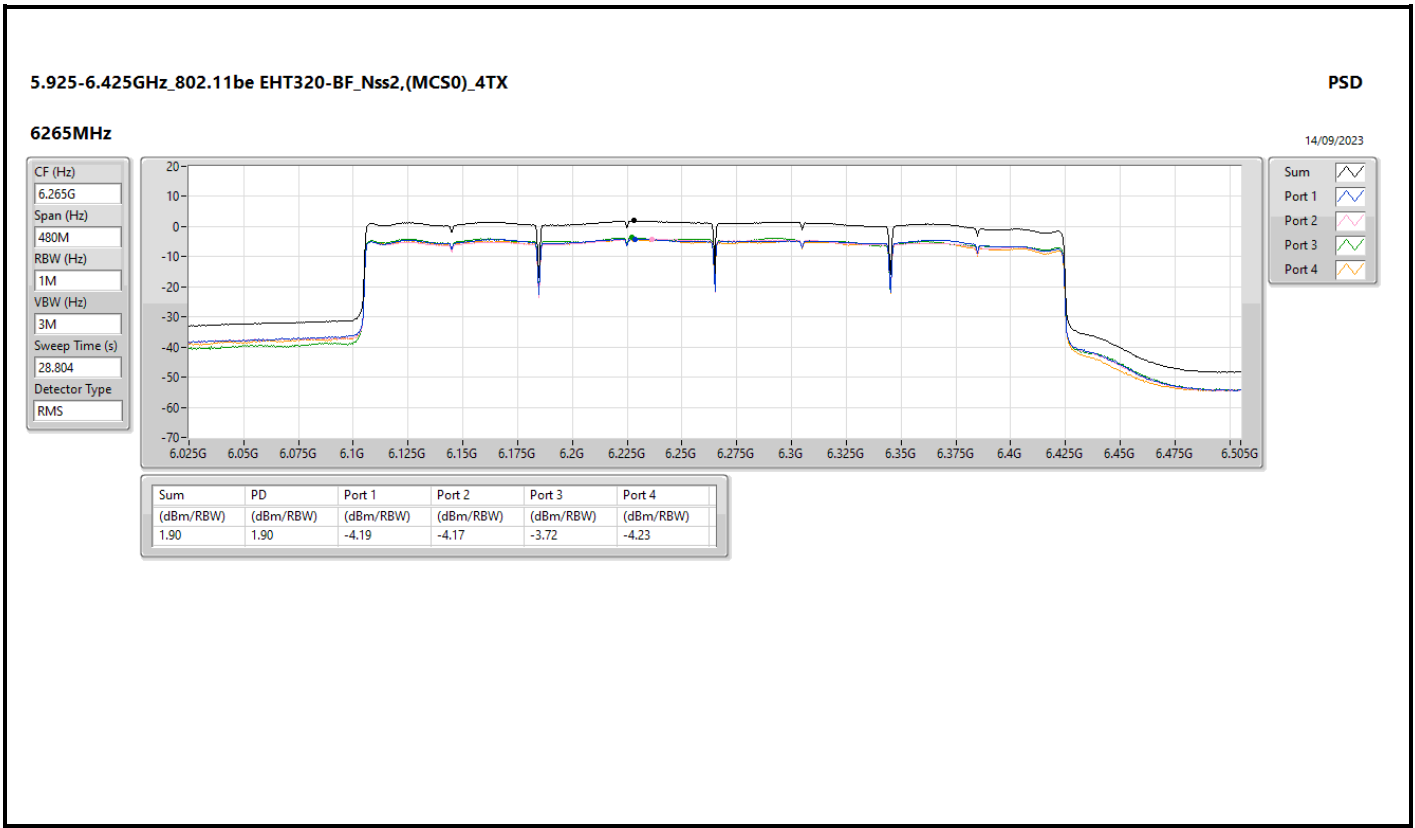












Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
6.525-6.875GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	0.73	4.96
802.11be EHT20-BF_Nss1,(MCS0)_4TX	0.70	4.93
802.11be EHT20-BF_Nss2,(MCS0)_4TX	1.23	4.94
802.11be EHT40-BF_Nss1,(MCS0)_4TX	0.74	4.97
802.11be EHT40-BF_Nss2,(MCS0)_4TX	1.23	4.94
802.11be EHT80-BF_Nss1,(MCS0)_4TX	0.76	4.99
802.11be EHT80-BF_Nss2,(MCS0)_4TX	1.14	4.85
802.11be EHT160-BF_Nss1,(MCS0)_4TX	0.74	4.97
802.11be EHT160-BF_Nss2,(MCS0)_4TX	1.12	4.83
802.11be EHT320-BF_Nss1,(MCS0)_4TX	0.66	4.89
802.11be EHT320-BF_Nss2,(MCS0)_4TX	0.68	4.39
6.875-7.125GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	-0.21	4.63
802.11be EHT20-BF_Nss1,(MCS0)_4TX	0.15	4.99
802.11be EHT20-BF_Nss2,(MCS0)_4TX	1.58	4.98
802.11be EHT40-BF_Nss1,(MCS0)_4TX	0.07	4.91
802.11be EHT40-BF_Nss2,(MCS0)_4TX	1.57	4.97
802.11be EHT80-BF_Nss1,(MCS0)_4TX	0.00	4.84
802.11be EHT80-BF_Nss2,(MCS0)_4TX	1.56	4.96
802.11be EHT160-BF_Nss1,(MCS0)_4TX	0.11	4.95
802.11be EHT160-BF_Nss2,(MCS0)_4TX	1.43	4.83
802.11be EHT320-BF_Nss1,(MCS0)_4TX	0.01	4.85
802.11be EHT320-BF_Nss2,(MCS0)_4TX	1.13	4.53

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

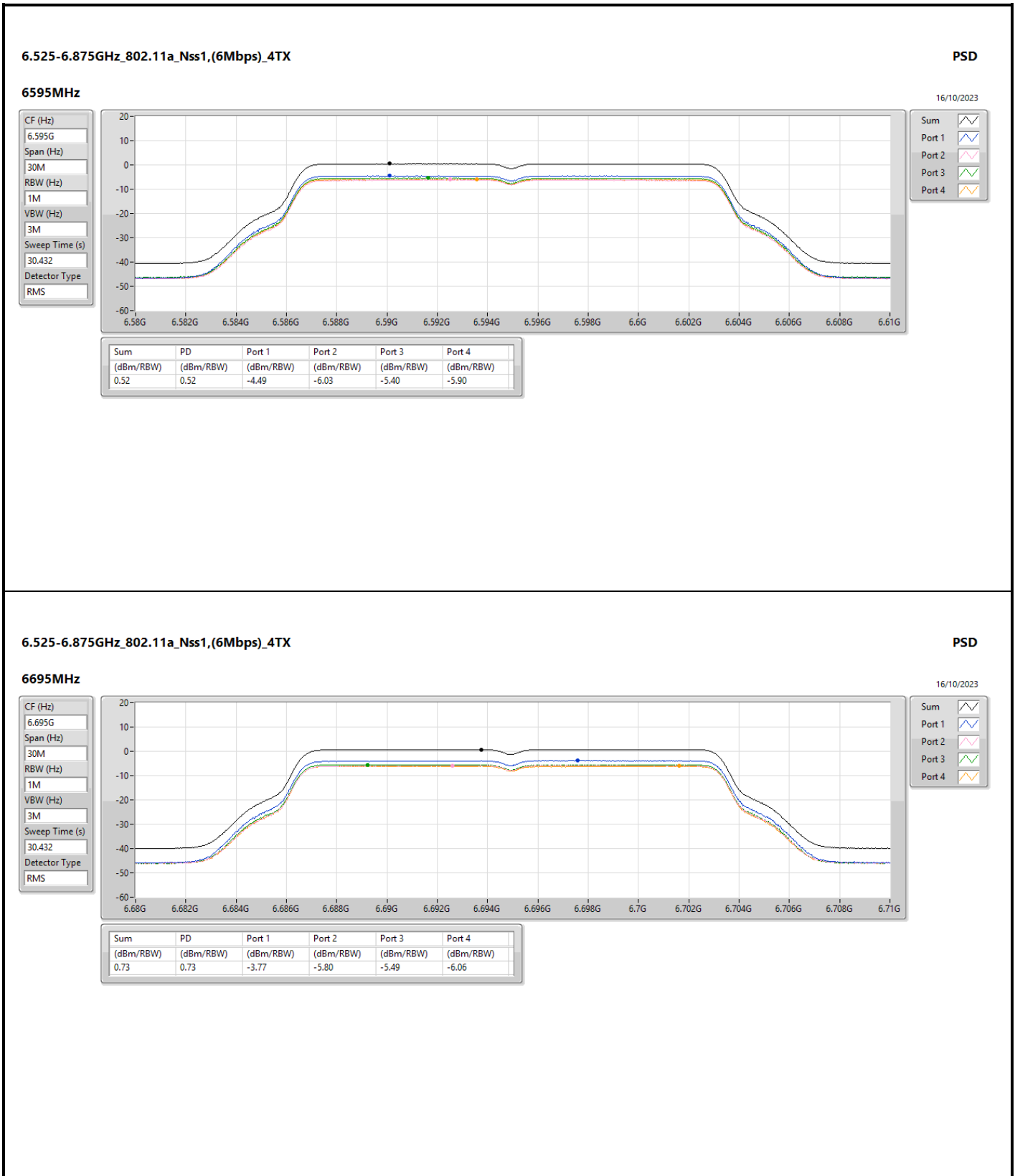
Result

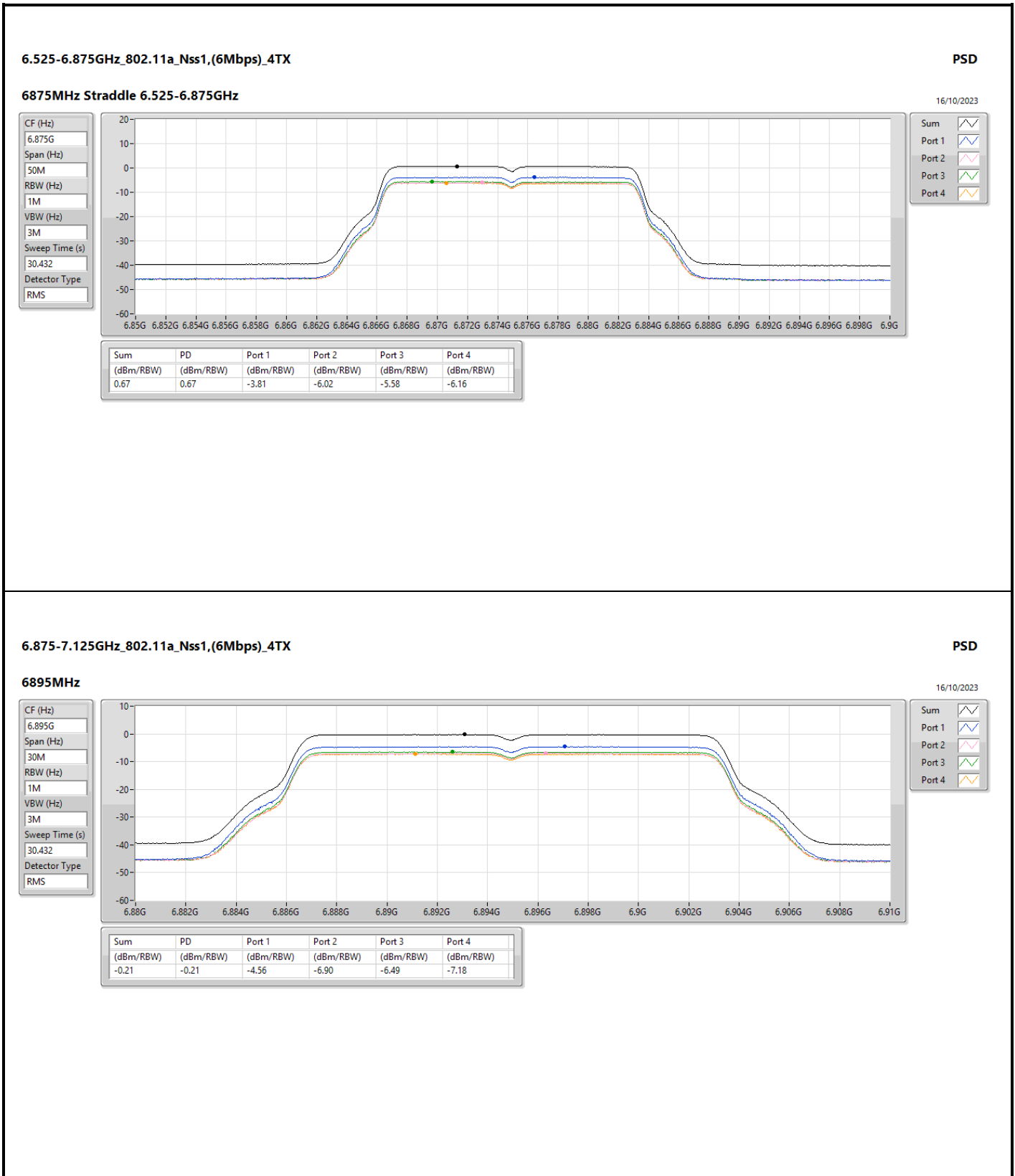
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-
6595MHz	Pass	4.23	-4.49	-6.03	-5.40	-5.90	0.52	4.75	5.00
6695MHz	Pass	4.23	-3.77	-5.80	-5.49	-6.06	0.73	4.96	5.00
6875MHz Straddle 6.525-6.875GHz	Pass	4.23	-3.81	-6.02	-5.58	-6.16	0.67	4.90	5.00
6895MHz	Pass	4.84	-4.56	-6.90	-6.49	-7.18	-0.21	4.63	5.00
6995MHz	Pass	4.84	-4.96	-6.93	-6.55	-7.02	-0.32	4.52	5.00
7095MHz	Pass	4.84	-5.90	-7.79	-6.50	-7.74	-0.93	3.91	5.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6595MHz	Pass	4.23	-4.82	-4.75	-5.45	-6.04	0.56	4.79	5.00
6695MHz	Pass	4.23	-4.99	-4.66	-5.08	-5.95	0.70	4.93	5.00
6875MHz Straddle 6.525-6.875GHz	Pass	4.23	-5.29	-4.73	-5.25	-5.79	0.59	4.82	5.00
6895MHz	Pass	4.84	-5.84	-5.35	-5.59	-5.96	0.15	4.99	5.00
6995MHz	Pass	4.84	-5.71	-5.60	-5.45	-6.09	0.15	4.99	5.00
7095MHz	Pass	4.84	-5.48	-5.40	-5.57	-6.51	0.14	4.98	5.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6605MHz	Pass	4.23	-5.37	-4.42	-5.27	-5.62	0.64	4.87	5.00
6685MHz	Pass	4.23	-5.52	-4.11	-5.42	-5.68	0.74	4.97	5.00
6885MHz Straddle 6.525-6.875GHz	Pass	4.23	-5.75	-4.29	-5.47	-5.25	0.70	4.93	5.00
6925MHz	Pass	4.84	-6.52	-5.37	-5.79	-5.86	-0.02	4.82	5.00
7005MHz	Pass	4.84	-6.26	-5.36	-5.76	-5.88	0.05	4.89	5.00
7085MHz	Pass	4.84	-6.48	-5.11	-5.65	-6.10	0.07	4.91	5.00
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6625MHz	Pass	4.23	-5.38	-4.64	-5.10	-5.20	0.76	4.99	5.00
6705MHz	Pass	4.23	-5.97	-4.70	-5.30	-5.63	0.58	4.81	5.00
6785MHz	Pass	4.23	-5.76	-5.06	-5.13	-5.30	0.60	4.83	5.00
6865MHz Straddle 6.525-6.875GHz	Pass	4.23	-5.74	-4.85	-5.05	-5.45	0.67	4.90	5.00
6945MHz	Pass	4.84	-6.34	-5.60	-6.00	-6.00	-0.07	4.77	5.00
7025MHz	Pass	4.84	-6.21	-5.67	-5.87	-5.77	0.00	4.84	5.00
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6665MHz	Pass	4.23	-5.16	-4.96	-4.89	-5.84	0.70	4.93	5.00
6825MHz Straddle 6.525-6.875GHz	Pass	4.23	-4.87	-4.88	-5.25	-5.63	0.74	4.97	5.00
6985MHz	Pass	4.84	-5.36	-6.01	-5.71	-5.98	0.11	4.95	5.00
802.11be EHT320-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6745MHz Straddle 6.525-6.875GHz	Pass	4.23	-4.89	-5.20	-5.42	-5.56	0.66	4.89	5.00
6905MHz	Pass	4.84	-5.40	-5.78	-5.96	-6.38	0.01	4.85	5.00
802.11be EHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6595MHz	Pass	3.71	-4.77	-4.15	-4.74	-5.34	1.23	4.94	5.00
6695MHz	Pass	3.71	-4.43	-4.29	-4.82	-5.63	1.18	4.89	5.00
6875MHz Straddle 6.525-6.875GHz	Pass	3.71	-4.68	-4.44	-4.76	-5.19	1.17	4.88	5.00
6895MHz	Pass	3.40	-4.66	-4.61	-4.17	-4.72	1.40	4.80	5.00
6995MHz	Pass	3.40	-4.21	-4.25	-4.44	-4.83	1.54	4.94	5.00
7095MHz	Pass	3.40	-4.13	-4.34	-4.32	-4.75	1.58	4.98	5.00
802.11be EHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6605MHz	Pass	3.71	-5.19	-3.98	-4.94	-5.01	1.21	4.92	5.00
6685MHz	Pass	3.71	-5.02	-3.81	-5.05	-4.97	1.23	4.94	5.00
6885MHz Straddle 6.525-6.875GHz	Pass	3.71	-5.22	-4.09	-5.11	-4.70	1.22	4.93	5.00
6925MHz	Pass	3.40	-5.03	-3.86	-4.28	-4.29	1.57	4.97	5.00
7005MHz	Pass	3.40	-5.07	-4.03	-4.74	-4.67	1.36	4.76	5.00
7085MHz	Pass	3.40	-4.90	-4.11	-4.36	-4.53	1.50	4.90	5.00
802.11be EHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6625MHz	Pass	3.71	-5.41	-4.58	-4.53	-5.09	1.05	4.76	5.00
6705MHz	Pass	3.71	-5.03	-4.66	-4.67	-5.09	1.10	4.81	5.00
6785MHz	Pass	3.71	-5.19	-4.50	-4.53	-5.14	1.12	4.83	5.00
6865MHz Straddle 6.525-6.875GHz	Pass	3.71	-5.16	-4.67	-4.56	-4.87	1.14	4.85	5.00
6945MHz	Pass	3.40	-4.79	-4.24	-4.15	-4.35	1.56	4.96	5.00

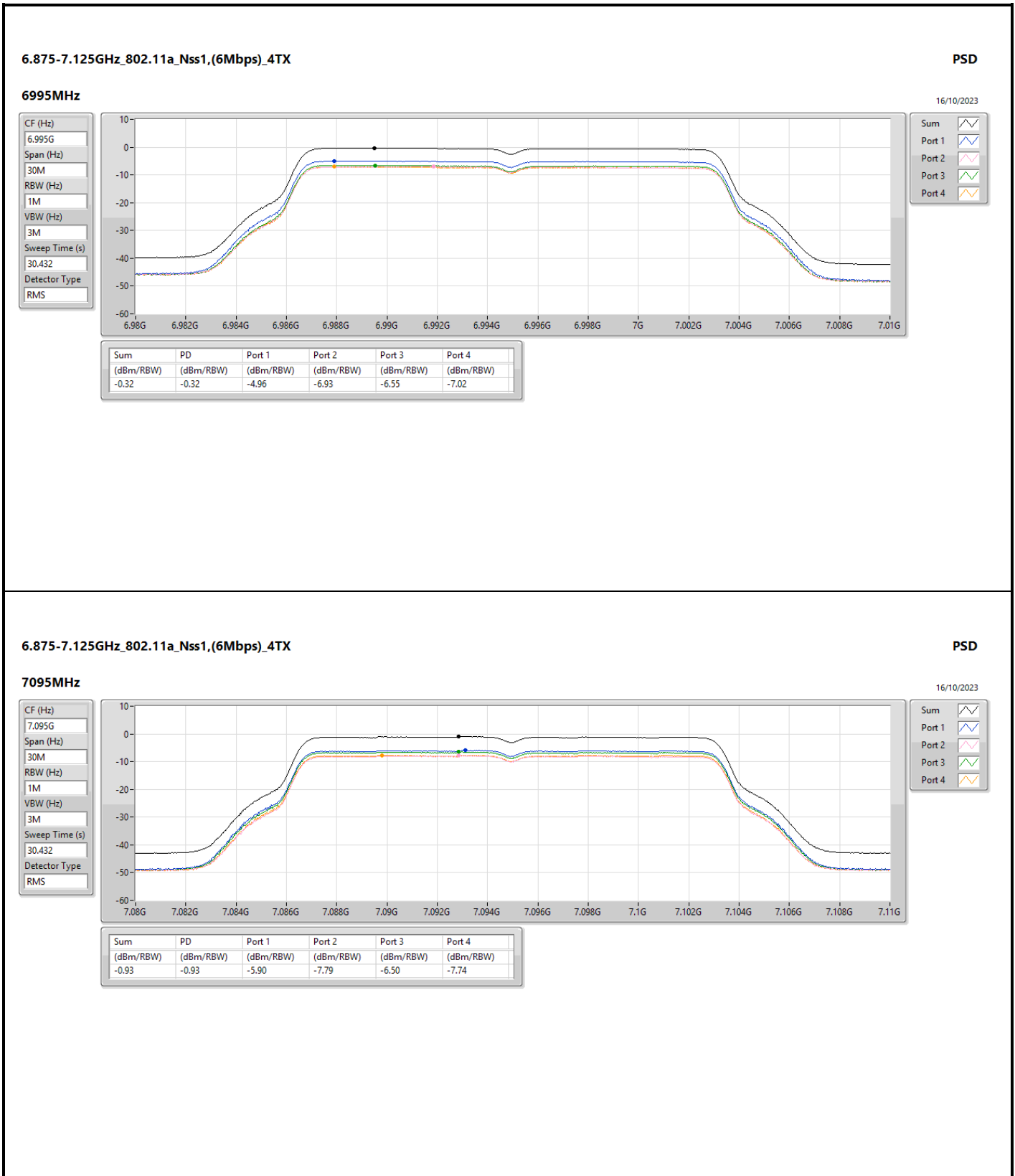


Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
7025MHz	Pass	3.40	-4.49	-4.34	-4.63	-4.17	1.53	4.93	5.00
802.11be EHT160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6665MHz	Pass	3.71	-4.70	-4.81	-4.75	-5.30	1.09	4.80	5.00
6825MHz Straddle 6.525-6.875GHz	Pass	3.71	-4.58	-4.58	-4.86	-5.27	1.12	4.83	5.00
6985MHz	Pass	3.40	-4.35	-4.79	-4.33	-4.75	1.43	4.83	5.00
802.11be EHT320-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6745MHz Straddle 6.525-6.875GHz	Pass	3.71	-5.20	-5.25	-5.25	-5.51	0.68	4.39	5.00
6905MHz	Pass	3.40	-4.73	-5.01	-4.48	-5.17	1.13	4.53	5.00

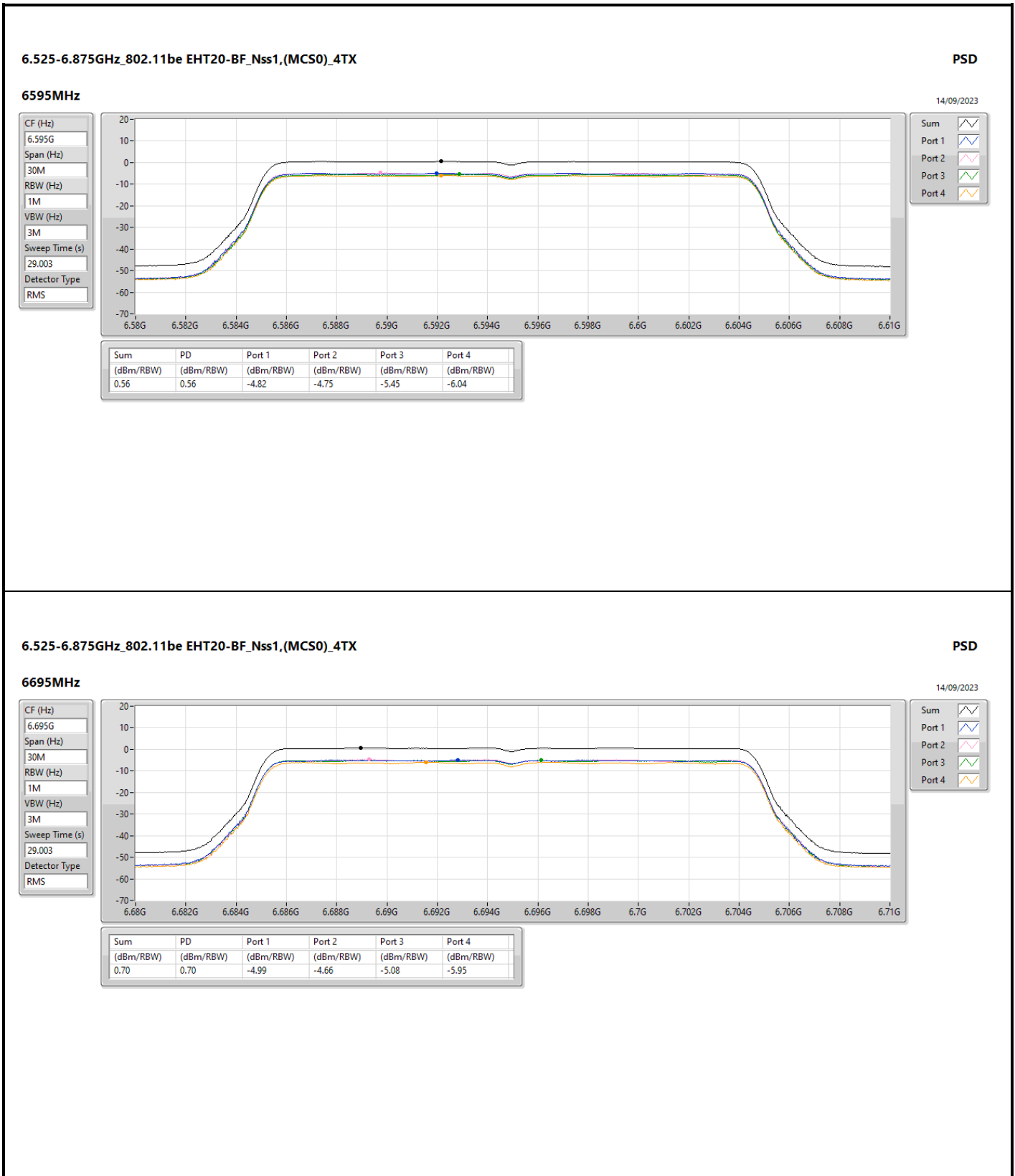
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

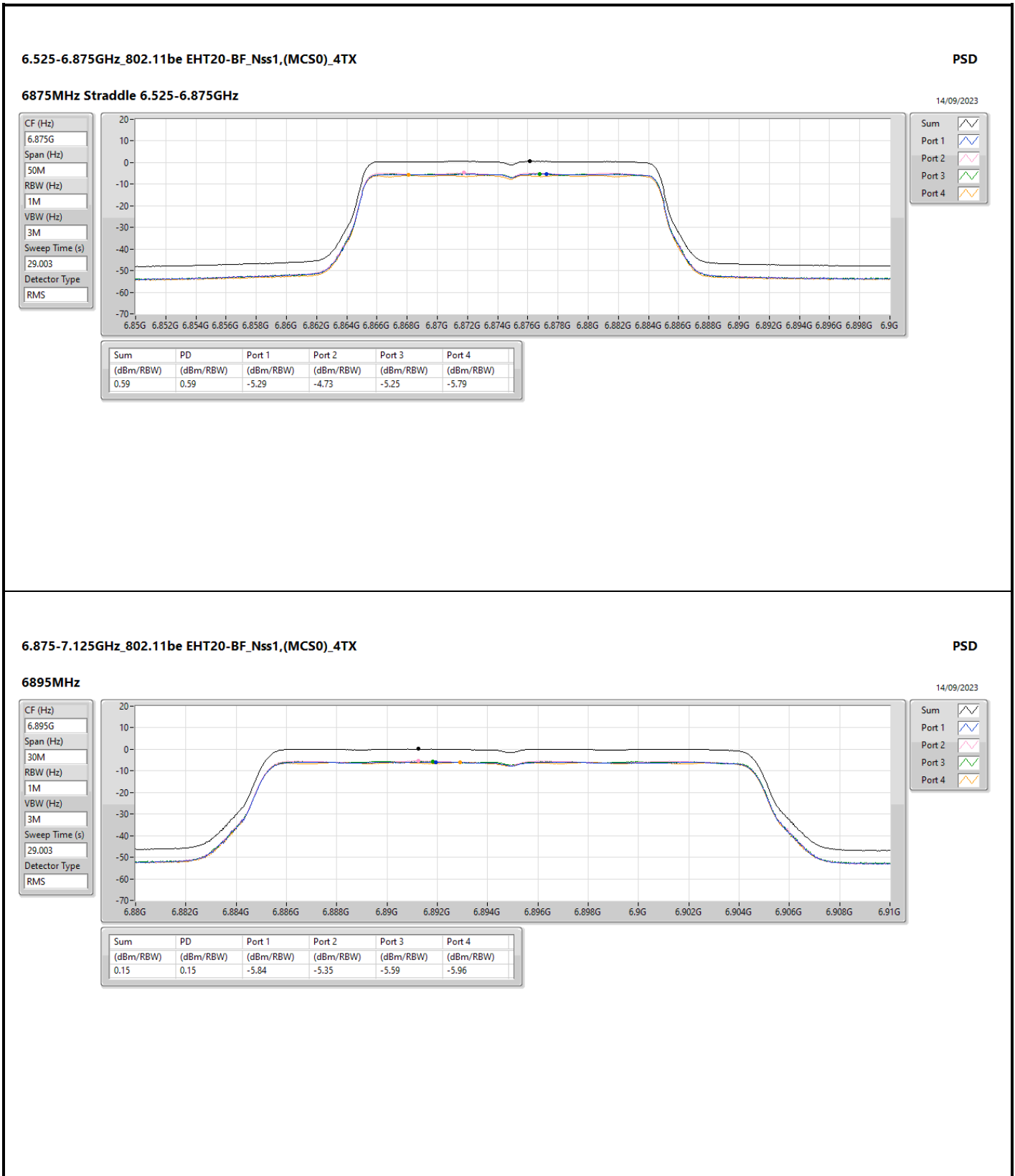


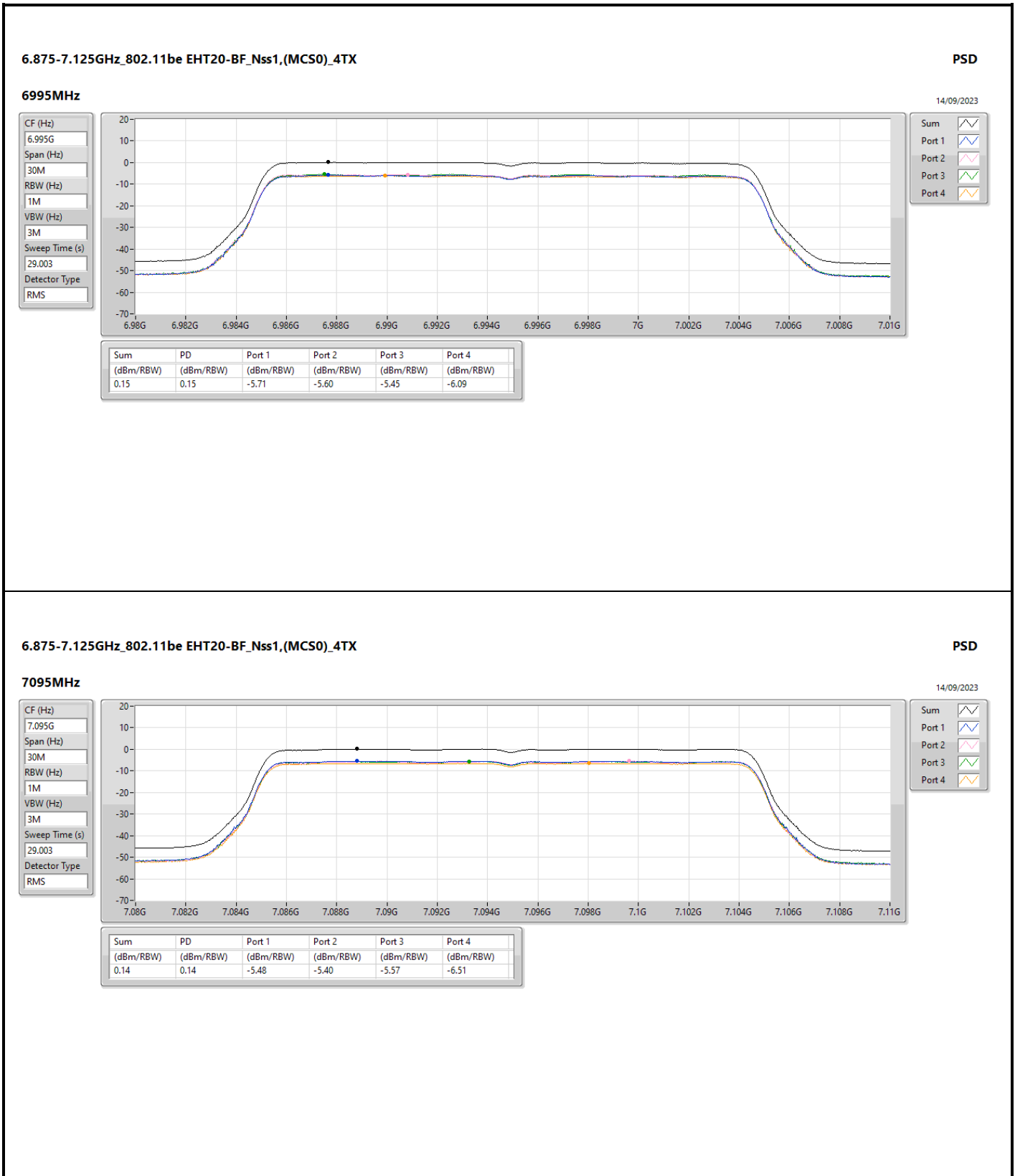












CF (Hz)  
7.095G

Span (Hz)  
30M

RBW (Hz)  
1M

VBW (Hz)  
3M

Sweep Time (s)  
29.003

Detector Type  
RMS

Sum

Port 1

Port 2

Port 3

Port 4

