

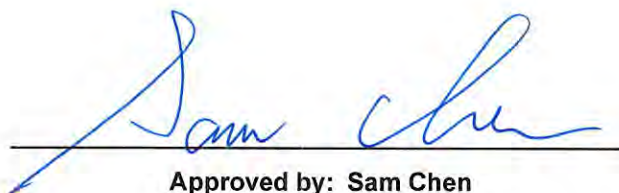


RADIO TEST REPORT

FCC ID : 2ABLK-GS5239XX
Equipment : GS7 XGS Tri Gateway, GS7 10GE Tri Gateway
Brand Name : Calix
Model Name : GS7 XGS GS5239XG, GS7 10GE GS5239E
Applicant : Calix Inc.
1035 N. McDowell Blvd. Petaluma, CA94954 U.S.A.
Standard : 47 CFR FCC Part 15.407

The product was received on Mar. 25, 2024, and testing was started from Apr. 12, 2024 and completed on May 23, 2024. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_5 Ver1.1



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	-
-	15.407(a)	Proper Power Adjustment	N/A	Non-Dual Client or non-Standard Client w/o test
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/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen**Report Producer: Muse Chan**



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-7125	ax (HEW20), be (EHT20)	5955-7115	1-233 [59]
5925-7125	ax (HEW40), be (EHT40)	5965-7085	3-227 [29]
5925-7125	ax (HEW80), be (EHT80)	5985-7025	7-215 [14]
5925-7125	ax (HEW160), be (EHT160)	6025-6985	15-207 [7]
5925-7125	be (EHT320)	6105-6905	31-63 [6]

Band	Mode	BWch (MHz)	Nant
5.925-7.125GHz	802.11ax HEW20	20	4TX
5.925-7.125GHz	802.11ax HEW20-BF	20	4TX
5.925-7.125GHz	802.11be EHT20	20	4TX
5.925-7.125GHz	802.11be EHT20-BF	20	4TX
5.925-7.125GHz	802.11ax HEW40	40	4TX
5.925-7.125GHz	802.11ax HEW40-BF	40	4TX
5.925-7.125GHz	802.11be EHT40	40	4TX
5.925-7.125GHz	802.11be EHT40-BF	40	4TX
5.925-7.125GHz	802.11ax HEW80	80	4TX
5.925-7.125GHz	802.11ax HEW80-BF	80	4TX
5.925-7.125GHz	802.11be EHT80	80	4TX
5.925-7.125GHz	802.11be EHT80-BF	80	4TX
5.925-7.125GHz	802.11ax HEW160	160	4TX
5.925-7.125GHz	802.11ax HEW160-BF	160	4TX
5.925-7.125GHz	802.11be EHT160	160	4TX
5.925-7.125GHz	802.11be EHT160-BF	160	4TX
5.925-7.125GHz	802.11be EHT320	320	4TX
5.925-7.125GHz	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	Alpha	290-20543	Dipole	I-PEX	Note 1
2	Alpha	290-20544	Dipole	I-PEX	
3	Alpha	290-20546	Dipole	I-PEX	
4	Alpha	290-20545	Dipole	I-PEX	
5	Alpha	290-20548	Dipole	I-PEX	
6	Alpha	290-20549	Omni	I-PEX	
7	Alpha	290-20547	Dipole	I-PEX	
8	Alpha	290-20550	Omni	I-PEX	

Note 1:

Ant.	Port		Antenna Gain (dBi)		
	WLAN 2.4GHz	WLAN 5GHz	WLAN 2.4GHz	WLAN 5GHz	
				UNII 1	UNII 3
1	1	3	2.61	4.07	3.30
2	2	4	3.15	3.95	3.77
3	-	1	-	3.90	3.67
4	-	2	-	4.07	4.99

Ant.	Port		Antenna Gain (dBi)			
	WLAN 6GHz		WLAN 6GHz			
			UNII 5	UNII 6	UNII 7	UNII 8
5	1		4.57	4.18	3.89	3.82
6	2		3.78	4.25	4.39	4.07
7	3		5.99	4.05	4.08	4.55
8	4		4.64	4.51	4.33	3.64

Item	Directional gain (dBi)						
	WLAN 2.4GHz	WLAN 5GHz		WLAN 6GHz			
		UNII 1	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8
2T1S	4.09	-	-	-		-	-
2T2S	3.15	-	-	-		-	-
4T1S	-	6.88	7.39	7.14	7.44	6.67	5.98
4T2S	-	4.07	4.99	5.99	4.51	4.39	4.55
4T4S	-	4.07	4.99	5.99	4.51	4.39	4.55

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 (2TX/2RX):**

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

Port 1~2 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 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) $\geq 1/T$
802.11be EHT20_Nss 1,(M0)	0.981	0.08	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11be EHT40_Nss 1,(M0)	0.981	0.08	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11be EHT80_Nss 1,(M0)	0.989	0.05	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11be EHT160_Nss 1,(M0)	0.981	0.08	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11be EHT320_Nss 1,(M0)	0.989	0.05	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11be EHT20_Nss 4,(M0)	0.98	0.09	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11be EHT40_Nss 4,(M0)	0.98	0.09	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11be EHT80_Nss 4,(M0)	0.973	0.12	5.453m	300
802.11be EHT160_Nss 4,(M0)	0.98	0.09	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11be EHT320_Nss 4,(M0)	0.974	0.11	5.46m	300
802.11be EHT20-BF_Nss 1,(M0)	0.95	0.22	3.041m	1k
802.11be EHT40-BF_Nss 1,(M0)	0.945	0.25	3.654m	300
802.11be EHT80-BF_Nss 1,(M0)	0.931	0.31	3.838m	300
802.11be EHT160-BF_Nss 1,(M0)	0.951	0.22	3.858m	300
802.11be EHT320-BF_Nss 1,(M0)	0.939	0.27	3.948m	300

Note:

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

**1.1.4 EUT Operational Condition**

EUT Power Type	From Power Adapter or UPS	
Beamforming Function	☒ With beamforming	☐ Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz, n/ac/ax/be in 5GHz and ax/be in 6GHz.	
Device Type	☒ Indoor Access Point	☒ Subordinate
	☐ Indoor Client	☐ Standard Power Access Point
	☐ Dual Client	☐ Standard Client
	☐ Fixed Client	☐ Very Low Power
Condition of EUT	☒ Indoor	☐ Outdoor
Channel Puncturing Function	☐ Supported	☒ Unsupported
Support RU	☒ Full RU	☐ Partial RU
Test Software Version	Non-beamforming: QSPR V5.0-00202 Beamforming: DOS [ver10.0.22631.2428].	
Software / Firmware Version for CBP	OpenWrt 19.07-SNAPSHOT r0-69aef30 / LuCI branch git-24.058.46099-69aef30	

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The EUT has two equipment/model names, the difference is listed in the following table:

EUT	Equipment Name	Model Name	BOSA	10G PHY port	SLIC IC
1	GS7 XGS Tri Gateway	GS7 XGS GS5239XG	With	1 port	Brand : Intel Model : SLC220
2	GS7 10GE Tri Gateway	GS7 10GE GS5239E	Without	2 port	Brand : Microsemi Model : Le9632

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT supports functions

Function
AP Router
Bridge
Extender

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 D01 v02r01
- ♦ FCC KDB 412172 D01 v01r01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu	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)	TH03-CB	Owen Hsu	23-23.9 / 63-68	Apr. 17, 2024~ Apr. 23, 2024
Radiated Below 1G	03CH05-CB	Roy Mai	21.9-22.4 / 55-58	Apr. 15, 2024
Radiated Above 1G, Maximum E.I.R.P. and PSD	03CH02-CB	Eason Chen	22-23 / 55-58	Apr. 12, 2024~ Apr. 23, 2024
	03CH03-CB		21.4-22.5 / 55-58	
	03CH05-CB		22.7-23.8 / 56-59	
	03CH06-CB		21.9-22.4 / 55-58	
AC Conduction	CO01-CB	Joe Chu	22-23 / 52-53	Apr. 16, 2024
RF Conducted (Contention-Based Protocol test)	DF02-CB	RJ HUANG	23-23.3 / 64-67	May 23, 2024



1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 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

Band
802.11be EHT20_Nss1,(MCS0)_4TX
5955MHz
6195MHz
6415MHz
6435MHz
6475MHz
6515MHz
6535MHz
6695MHz
6875MHz
6895MHz
6995MHz
7095MHz
7115MHz
802.11be EHT40_Nss1,(MCS0)_4TX
5965MHz
6205MHz
6405MHz
6445MHz
6485MHz
6525MHz
6565MHz
6685MHz
6885MHz
6925MHz
7005MHz
7085MHz
802.11be EHT80_Nss1,(MCS0)_4TX
5985MHz
6225MHz
6385MHz
6465MHz
6545MHz
6625MHz
6705MHz



Band
6785MHz
6865MHz
6945MHz
7025MHz
802.11be EHT160_Nss1,(MCS0)_4TX
6025MHz
6185MHz
6345MHz
6505MHz
6665MHz
6825MHz
6985MHz
802.11be EHT320_Nss1,(MCS0)_4TX
6105MHz
6265MHz
6425MHz
6585MHz
6745MHz
6905MHz
802.11be EHT20_Nss4,(MCS0)_4TX
5955MHz
6195MHz
6415MHz
6435MHz
6475MHz
6515MHz
6535MHz
6695MHz
6875MHz
6895MHz
6995MHz
7095MHz
7115MHz
802.11be EHT40_Nss4,(MCS0)_4TX
5965MHz
6205MHz
6405MHz
6445MHz
6485MHz



Band
6525MHz
6565MHz
6685MHz
6885MHz
6925MHz
7005MHz
7085MHz
802.11be EHT80_Nss4,(MCS0)_4TX
5985MHz
6225MHz
6385MHz
6465MHz
6545MHz
6625MHz
6705MHz
6785MHz
6865MHz
6945MHz
7025MHz
802.11be EHT160_Nss4,(MCS0)_4TX
6025MHz
6185MHz
6345MHz
6505MHz
6665MHz
6825MHz
6985MHz
802.11be EHT320_Nss4,(MCS0)_4TX
6105MHz
6265MHz
6425MHz
6585MHz
6745MHz
6905MHz
802.11be EHT20-BF_Nss1,(MCS0)_4TX
5955MHz
6195MHz
6415MHz
6435MHz



Band
6475MHz
6515MHz
6535MHz
6695MHz
6875MHz
6895MHz
6995MHz
7095MHz
7115MHz
802.11be EHT40-BF_Nss1,(MCS0)_4TX
5965MHz
6205MHz
6405MHz
6445MHz
6485MHz
6525MHz
6565MHz
6685MHz
6885MHz
6925MHz
7005MHz
7085MHz
802.11be EHT80-BF_Nss1,(MCS0)_4TX
5985MHz
6225MHz
6385MHz
6465MHz
6545MHz
6625MHz
6705MHz
6785MHz
6865MHz
6945MHz
7025MHz
802.11be EHT160-BF_Nss1,(MCS0)_4TX
6025MHz
6185MHz
6345MHz
6505MHz



Band
6665MHz
6825MHz
6985MHz
802.11be EHT320-BF_Nss1,(MCS0)_4TX
6105MHz
6265MHz
6425MHz
6585MHz
6745MHz
6905MHz

Note:

- ♦ EHT20 / EHT40 / EHT80 / EHT160 / EHT320 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 / EHT320.



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT 2 + Adapter 1
2	EUT 2 + Adapter 2
3	EUT 2 + UPS
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT 1 + UPS
Mode 3 generated the worst test result, so it was recorded in this report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Contention Based Protocol Emission MASK
Test Condition	Conducted measurement at transmit chains
There are EUT 1 and EUT 2, EUT 1 has been evaluated to be the worst case from radiated emission above 1GHz. So the measurement will follow this same test configuration.	
Operating Mode	EUT 1

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Peak Power Spectral Density (E.I.R.P.)
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
1. There are EUT 1 and EUT 2, EUT 1 has been evaluated to be the worst case from radiated emission above 1GHz. So the measurement will follow this same test configuration. 2. After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.	
1	EUT 1 in Y axis

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
There are EUT 1 and EUT 2, EUT 1 has been evaluated to be the worst case from radiated emission above 1GHz. So the measurement will follow this same test configuration.	
Operating Mode	
1	EUT 1-WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz
Refer to Sporton Test Report No.: FA432203 for Co-location RF Exposure Evaluation.	



2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

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 [ver10.0.22631.2428].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Client and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter 1	AMIGO	AMS340-1204500FU	INPUT: 100-240V~50/60Hz, 2.0A OUTPUT: 12V, 4.5A
Adapter 2	MOSO	V30-V4500R120-060K0-US	INPUT: 100-240V~50/60Hz, 1.5A max. OUTPUT: 12.0V, 4.5A
other			
Cradle*1			



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	10G WAN PC	ASUS	S300TA	TX2-RTL8821CE
B	10G LAN PC	ASUS	S300TA	TX2-RTL8821CE
C	2.5G LAN PC	ASUS	S300TA	TX2-RTL8821CE
D	2.4G NB	Lenovo	T400	N/A
E	5G NB	Lenovo	T400	N/A
F	6G Device	ALPHA	Electra XG	N/A
G	6G NB	Lenovo	T400	N/A
H	Phone 1	PHILIPS	CORP020B/96	N/A
I	Phone 2	PHILIPS	CORP020B/96	N/A
J	Flash disk 2.0	Transcend	604108 8255	N/A
K	UPS	CyberPower	CSN75A12V3	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB(2.5G LAN)	DELL	E4300	N/A
B	NB(wifi 2.4G)	DELL	E4300	N/A
C	NB(wifi 5G)	DELL	E4300	N/A
D	NB(wifi 6G)	DELL	E4300	N/A
E	Phone	PHILIPS	M20	N/A
F	Phone	PHILIPS	M20	N/A
G	10G PC (LAN)	DELL	T3400	N/A
H	10G PC (WAN)	DELL	T3400	N/A
I	Flash disk3.0	Transcend	JetFlash-700	N/A



For Radiated (above 1GHz) and RF Radiated (Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) and Peak Power Spectral Density (E.I.R.P.) and RF Conducted (Other tests):
<Non-beamforming mode>

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

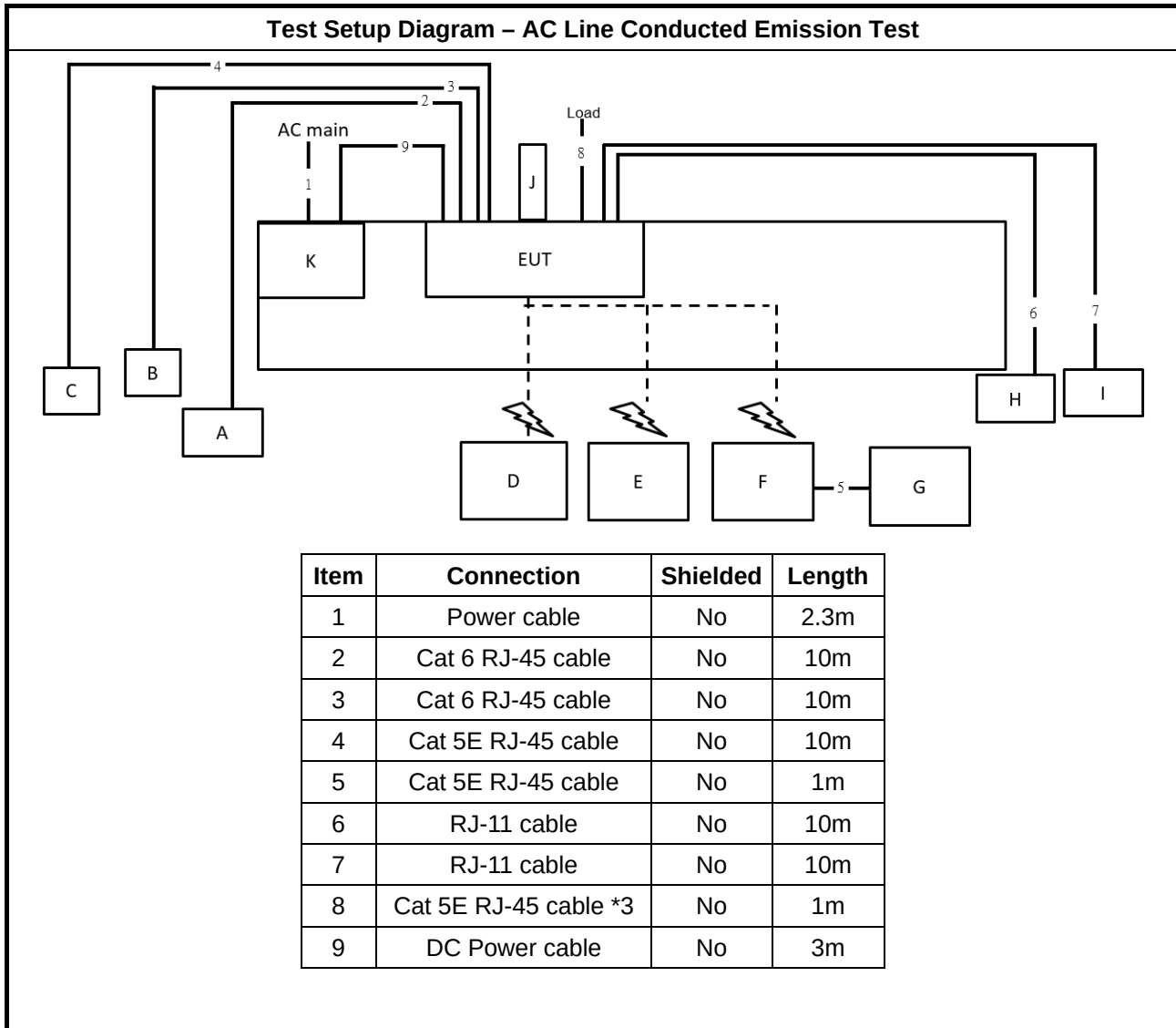
<Beamforming mode>

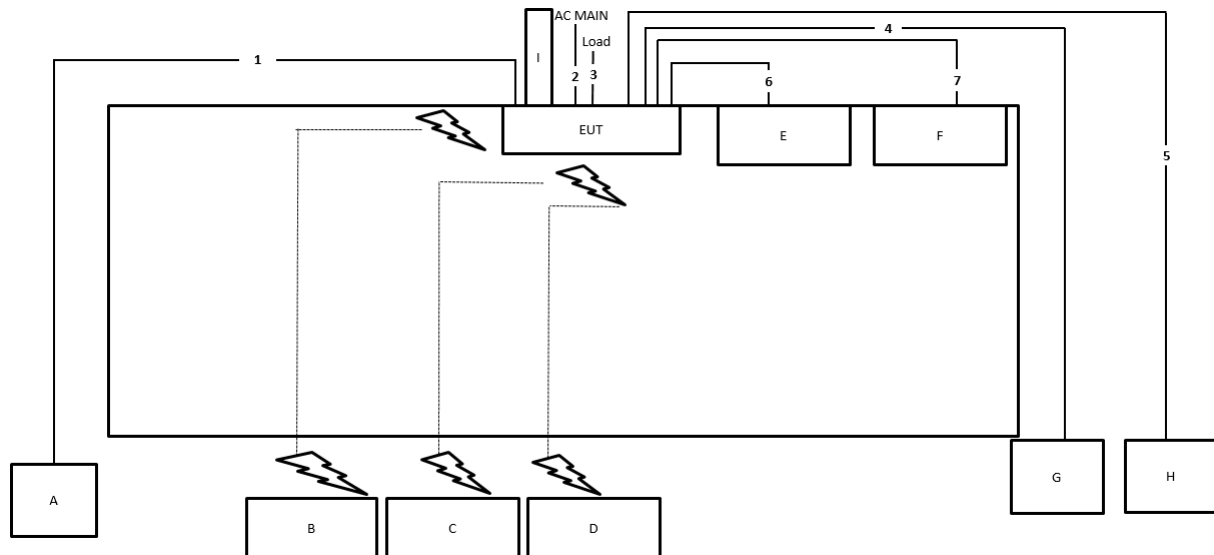
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	Client	Alpha	u10txg GS5239XG	N/A

For RF Conducted (Contention Based Protocol test):

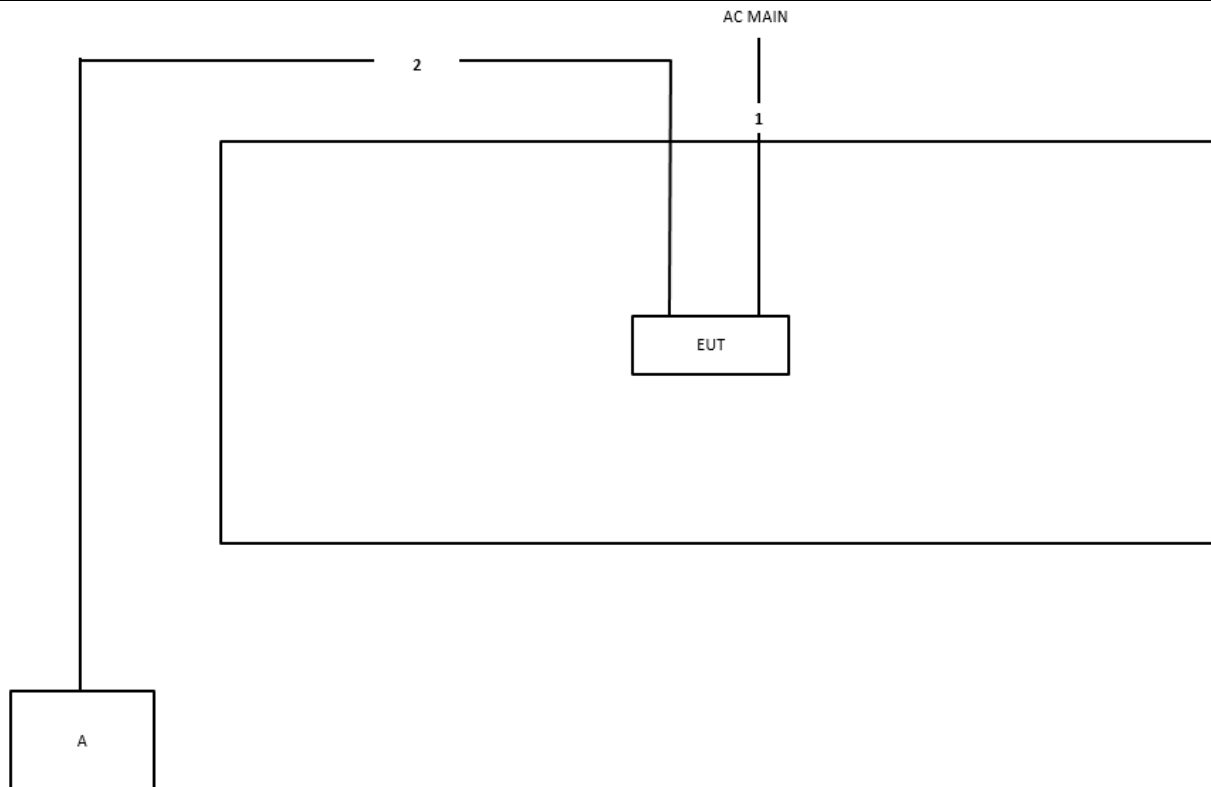
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	Client	Alpha	u10txg GS5239XG	N/A

2.6 Test Setup Diagram

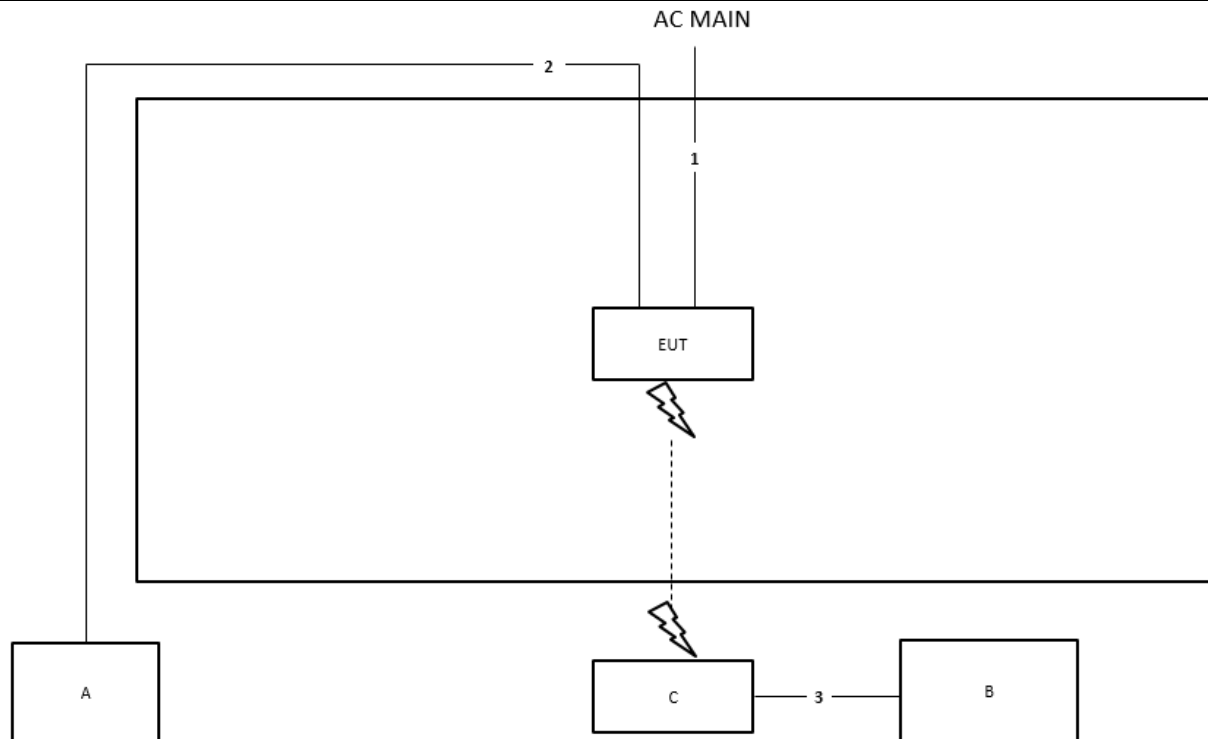


Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.5m
3	RJ-45 cable*3	No	1.5m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	10m
6	RJ-11 cable	No	1.5m
7	RJ-11 cable	No	1.5m

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


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

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


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

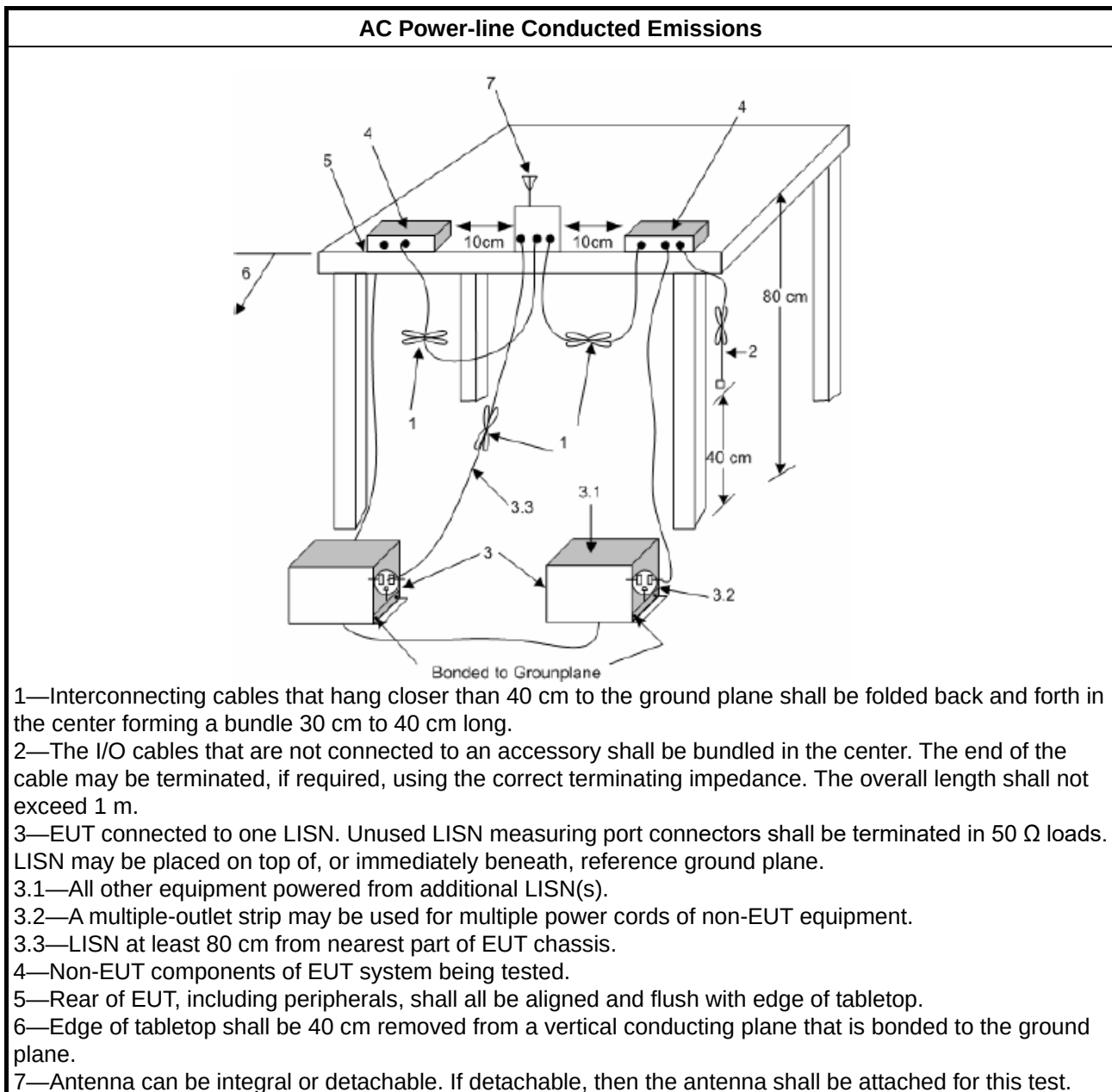
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading (dBuV) = LISN Factor + Cable Loss + Read Level = Level
- Marginal = - 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	
UNII Devices	
☒	For the 5925-6425 GHz band, N/A
☒	For the 6425-6525 GHz band, N/A
☒	For the 6525-6875 GHz band, N/A
☒	For the 6875-7125 GHz band, N/A
RLAN Devices	
☐	For the 5925-6425 GHz band, N/A
☐	For the 6425-6525 GHz band, N/A
☐	For the 6525-6875 GHz band, N/A
☐	For the 6875-7125 GHz band, N/A

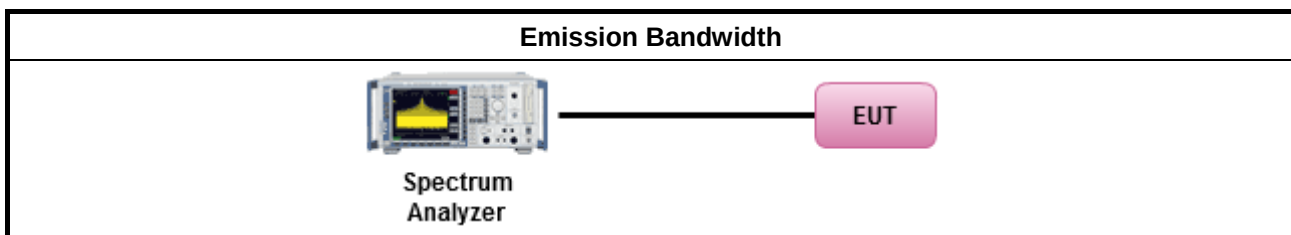
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	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.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum 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	
UNII Devices	
☒ For the 5.925 ~ 6.425 GHz band:	
	■ For standard power access point and fixed client device : e.i.r.p < 36 dBm. For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).
	■ For indoor access point : e.i.r.p < 30 dBm.
	■ For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.
	■ For client device control of a standard power access point : e.i.r.p < 30 dBm.
	■ For client device control of an indoor access point : e.i.r.p < 24 dBm.
	■ For very low power device : e.i.r.p < 14 dBm.
☒ For the 6.425 ~ 6.525 GHz band:	
	■ For indoor access point : e.i.r.p < 30 dBm.
	■ For client device control of an indoor access point : e.i.r.p < 24 dBm.
☒ For the 6.525 ~ 6.875 GHz band:	
	■ For standard power access point and fixed client device : e.i.r.p < 36 dBm. For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).
	■ For indoor access point : e.i.r.p < 30 dBm.
	■ For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.
	■ For client device control of a standard power access point : e.i.r.p < 30 dBm.
	■ For client device control of an indoor access point : e.i.r.p < 24 dBm.
	■ For very low power device : e.i.r.p < 14 dBm.
☒ For the 6.875 ~ 7.125 GHz band:	
	■ For indoor access point : e.i.r.p < 30 dBm.
	■ For client device control of an indoor access point : e.i.r.p < 24 dBm.
RLAN Devices	
☐ For the 5.925 ~ 7.125 GHz band:	
	■ For low-power indoor access-points & indoor subordinate devices < 30 dBm .
	■ For low-power client devices < 24 dBm.
☐ For the 5.925 ~ 6.875 GHz band:	
	■ For standard-power access points & fixed client devices < 36 dBm. For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).
	■ For standard client devices < 30 dBm.



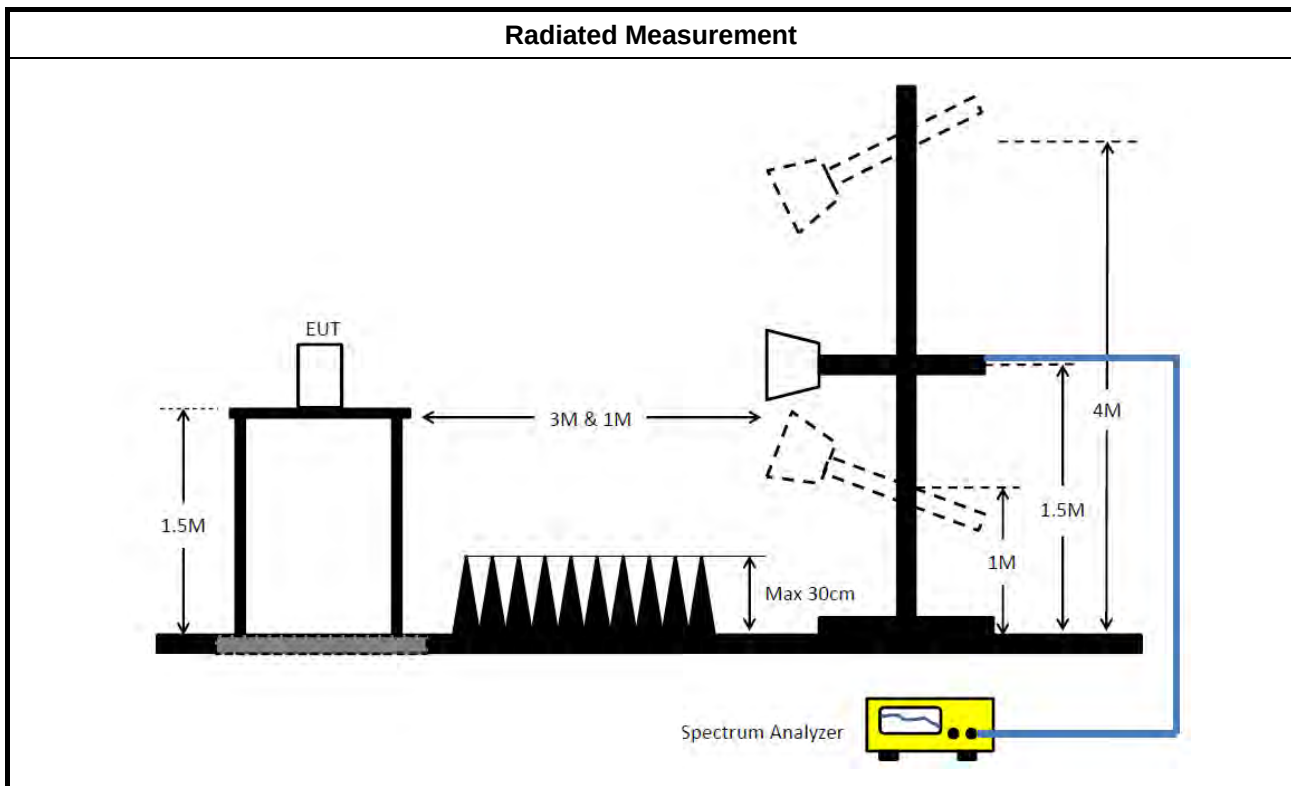
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
According to FCC KDB 987594 D02 clause II.E, the test measurement procedure shall refer to KDB 789033.	
Average over on/off periods with duty factor	
☒	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.
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
Wideband RF power meter and average over on/off periods with duty factor	
☐	Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
☐ For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	
☒ For radiated measurement.	
Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"	
Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	
Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.	

3.3.4 Test Setup



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	
UNII Devices	
☒ For the 5.925 ~ 6.425 GHz band:	
	■ For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
	■ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	■ For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	■ For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
	■ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
	■ For very low power device : e.i.r.p PSD < -5 dBm/MHz.
☒ For the 6.425 ~ 6.525 GHz band:	
	■ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	■ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
☒ For the 6.525 ~ 6.875 GHz band:	
	■ For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
	■ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	■ For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	■ For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
	■ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
	■ For very low power device : e.i.r.p PSD < -5 dBm/MHz.
☒ For the 6.875 ~ 7.125 GHz band:	
	■ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	■ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
RLAN Devices	
☐ For the 5.925 ~ 7.125 GHz band:	
	■ For low-power indoor access-points & indoor subordinate devices < 5 dBm / MHz.
	■ For low-power client devices < -1 dBm / MHz.
☐ For the 5.925 ~ 6.875 GHz band:	
	■ For standard-power access points & fixed client devices < 23 dBm / MHz.
	■ For standard client devices < 17 dBm / MHz.

3.4.2 Measuring Instruments

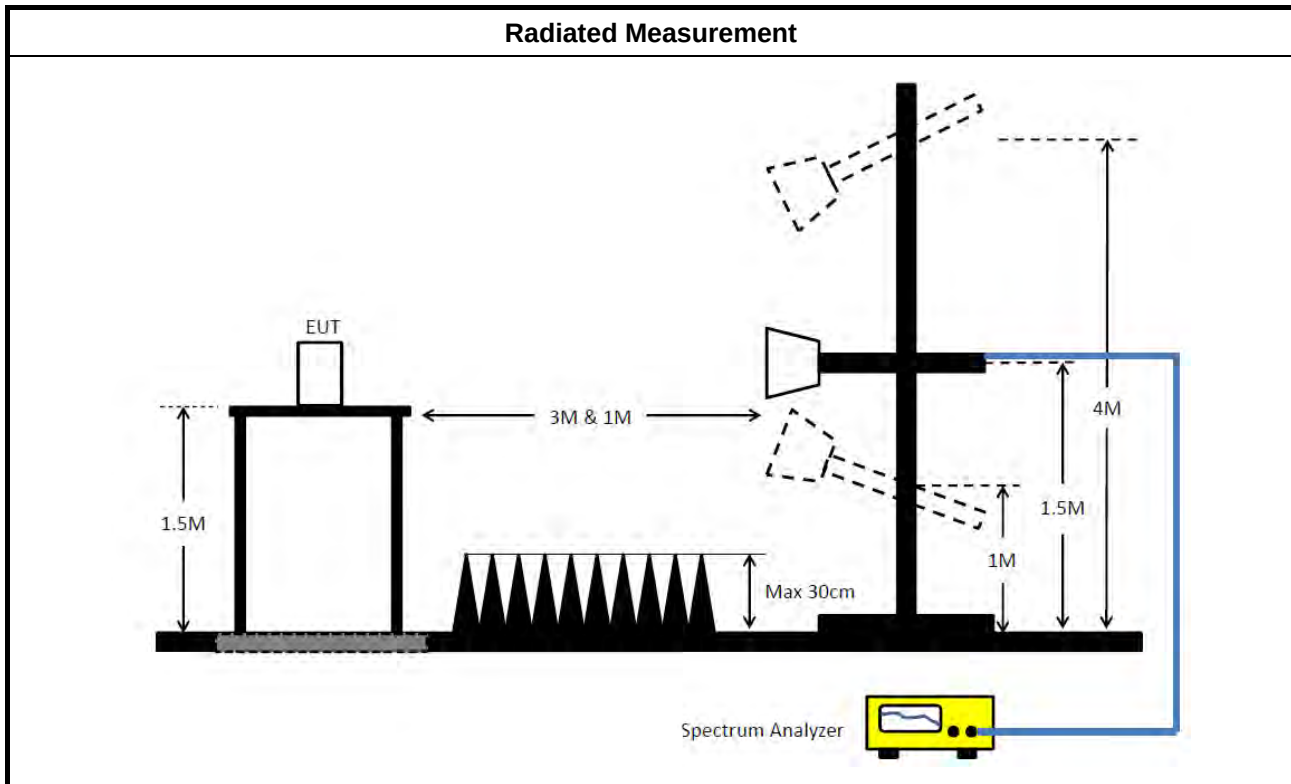
Refer a test equipment and calibration data table in this test report.



3.4.3 Test Procedures

Test Method	
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:	
☐	Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
☒	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
☐ For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☐	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	
☒ For radiated measurement.	
- Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" - Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. - Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.	

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

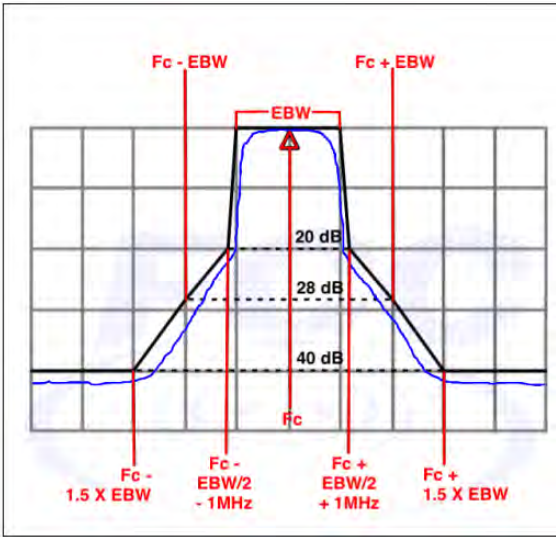
Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
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) = $54\text{dBuV/m at 3m} + 9.54\text{dB} = 63.54\text{dBuV/m at 1m}$.

Un-restricted band emissions above 1GHz Limit	
Frequency	Limit
Any outside the 5.945 – 7.125 GHz emission	e.i.r.p. -27 dBm [68.2 dBuV/m@3m] 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($20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$). EX. Above 18GHz emission limit calculation (3m to 1m) = $68.2\text{dBuV/m at 3m} + 9.54\text{dB} = 77.74\text{dBuV/m at 1m}$. 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.

Frequency	Emission MASK Limit
5.945 – 7.125 GHz	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. 



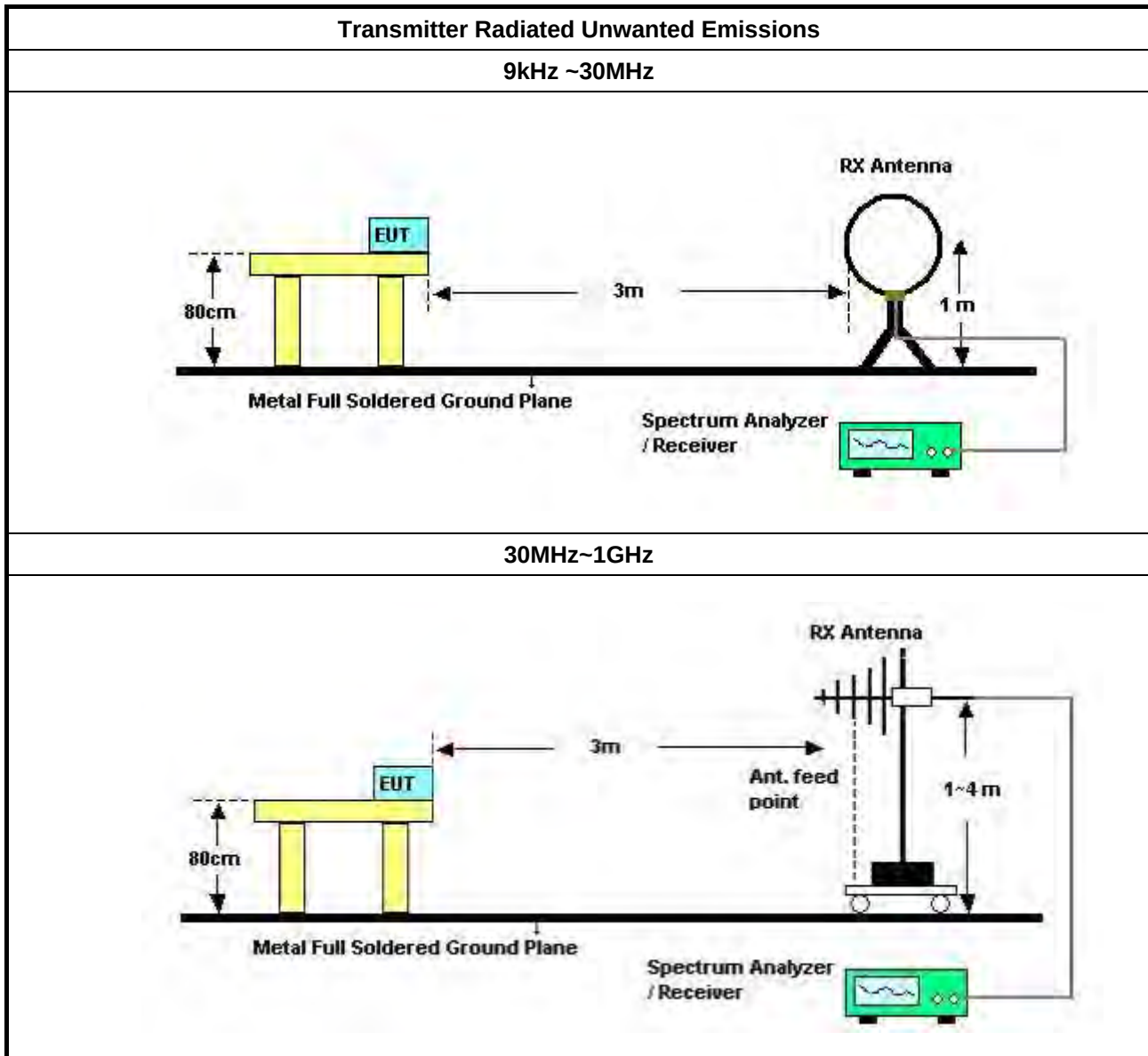
3.5.2 Measuring Instruments

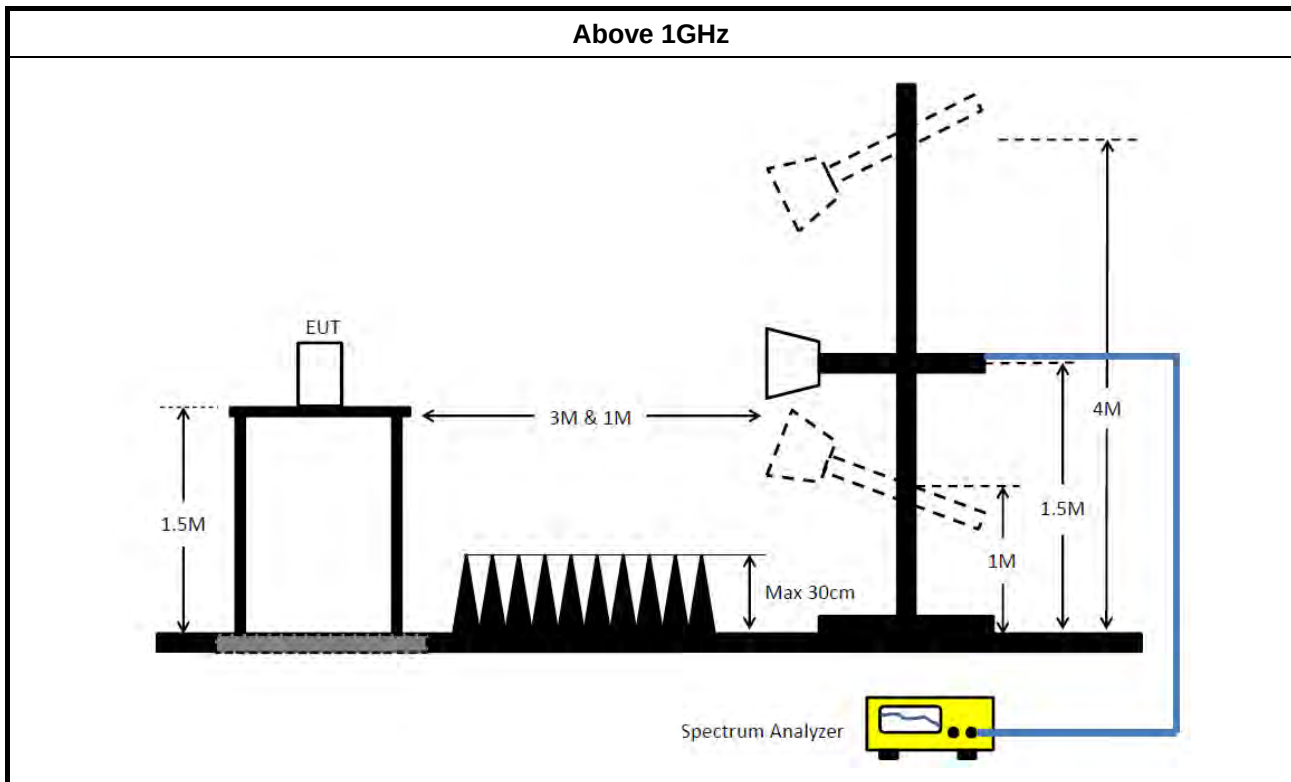
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
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).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	☒ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging). (For unrestricted band measurement)
	☐ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	☒ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.(For restricted band average measurement)
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
	☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
Refer as FCC KDB 789033 D02, clause G)3)d)ii) for Band edge Integration measurements.	
For emission MASK shall be measured using following options below:	
	☒ Refer as FCC KDB 987594 D02, J) In-Band Emissions
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

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.

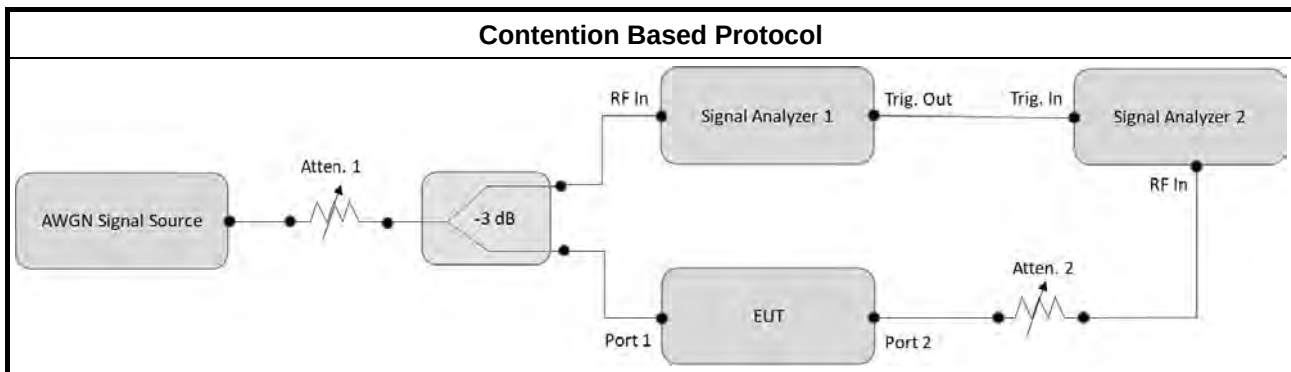
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method	
■	For Contention Based Protocol shall be measured using following options below:
☒	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	Mar. 01, 2024	Feb. 28, 2025	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 19, 2024	Feb. 18, 2025	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. 08, 2024	Feb. 07, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 29, 2023	Sep. 28, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 23, 2024	Mar. 22, 2025	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 08, 2023	Jun. 07, 2024	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz~26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 17, 2024	Apr. 16, 2025	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Dec. 06, 2023	Dec. 05, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1GHz ~ 7.4GHz	Oct. 03, 2023	Oct. 02, 2024	Radiation (03CH05-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1GHz ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 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. 24, 2023	Nov. 23, 2024	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	May 29, 2023	May 28, 2024	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. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	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	BRJ-02	1GHz ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 04, 2023	May 03, 2024	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 24, 2024	Jan. 23, 2025	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 12, 2023	Jun. 11, 2024	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Feb. 29, 2024	Feb. 28, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Feb. 29, 2024	Feb. 28, 2025	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1GHz ~ 7.4GHz	Oct. 03, 2023	Oct. 02, 2024	Radiation (03CH03-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1GHz ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 31, 2023	Jul. 30, 2024	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	May 29, 2023	May 28, 2024	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
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	BRJ-02	1GHz ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 22, 2023	Dec. 21, 2024	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 04, 2023	Sep. 03, 2024	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 04, 2023	Sep. 03, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 ~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)
Spectrum Analyzer	R&S	FSV40	101025	9kHz ~ 40GHz	Nov. 07, 2023	Nov. 06, 2024	Conducted (DF02-CB)
Signal generator	R&S	SMB100A	181239	1MHz-40GHz	Jan. 08, 2024	Jan. 07, 2025	Conducted (DF02-CB)
Vector Signal generator	R&S	SMW200A	109426	100kHz- 7.5GHz	Dec. 21, 2023	Dec. 20, 2024	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. 20, 2024	Mar. 19, 2025	Conducted (DF02-CB)

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

NCR means Non-Calibration required.



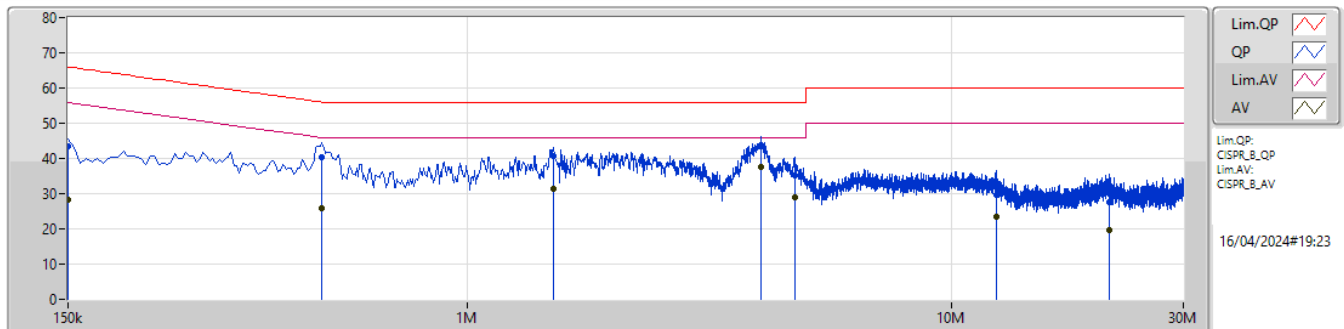
Conducted Emissions at Powerline

Appendix A

Summary

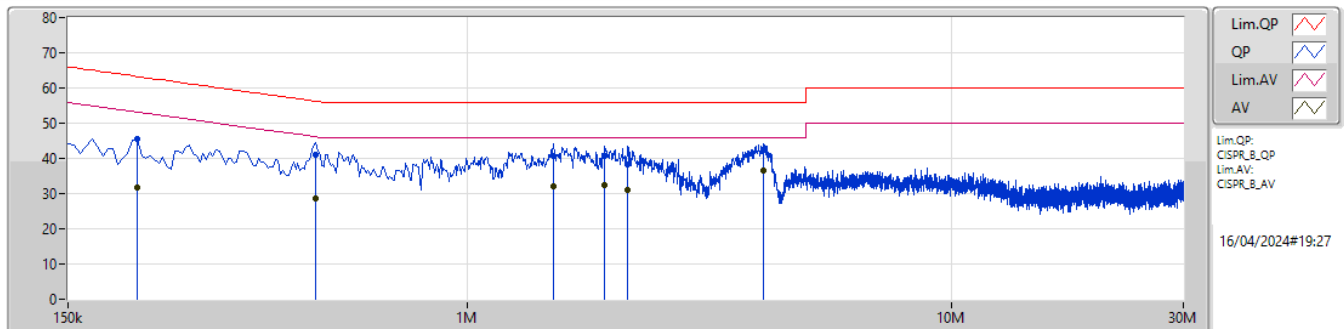
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 3	Pass	AV	4.025M	37.54	46.00	-8.46	Line

Mode 3



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	43.40	66.00	-22.60	9.98	Line	-	33.42	0.09	0.02	9.87						
AV	150k	28.23	56.00	-27.77	9.98	Line	-	18.25	0.09	0.02	9.87						
QP	500k	40.47	56.00	-15.53	10.00	Line	-	30.47	0.09	0.02	9.89						
AV	500k	25.86	46.00	-20.14	10.00	Line	-	15.86	0.09	0.02	9.89						
QP	1.509M	40.53	56.00	-15.47	10.08	Line	-	30.45	0.13	0.05	9.90						
AV	1.509M	31.25	46.00	-14.75	10.08	Line	-	21.17	0.13	0.05	9.90						
QP	4.025M	43.41	56.00	-12.59	10.21	Line	-	33.20	0.17	0.14	9.90						
AV	4.025M	37.54	46.00	-8.46	10.21	Line	"Worst"	27.33	0.17	0.14	9.90						
QP	4.74M	35.20	56.00	-20.80	10.22	Line	-	24.98	0.18	0.14	9.90						
AV	4.74M	28.92	46.00	-17.08	10.22	Line	-	18.70	0.18	0.14	9.90						
QP	12.372M	29.63	60.00	-30.37	10.36	Line	-	19.27	0.27	0.16	9.93						
AV	12.372M	23.43	50.00	-26.57	10.36	Line	-	13.07	0.27	0.16	9.93						
QP	21.071M	27.45	60.00	-32.55	10.56	Line	-	16.89	0.30	0.23	10.03						
AV	21.071M	19.82	50.00	-30.18	10.56	Line	-	9.26	0.30	0.23	10.03						

Mode 3



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	208.5k	45.48	63.27	-17.79	9.94	Neutral	-	35.54	0.07	0.02	9.85						
AV	208.5k	31.86	53.27	-21.41	9.94	Neutral	-	21.92	0.07	0.02	9.85						
QP	487.5k	41.18	56.21	-15.03	9.98	Neutral	-	31.20	0.07	0.02	9.89						
AV	487.5k	28.73	46.21	-17.48	9.98	Neutral	-	18.75	0.07	0.02	9.89						
QP	1.509M	40.81	56.00	-15.19	10.04	Neutral	-	30.77	0.09	0.05	9.90						
AV	1.509M	32.13	46.00	-13.87	10.04	Neutral	-	22.09	0.09	0.05	9.90						
QP	1.919M	40.56	56.00	-15.44	10.06	Neutral	-	30.50	0.10	0.07	9.89						
AV	1.919M	32.54	46.00	-13.46	10.06	Neutral	-	22.48	0.10	0.07	9.89						
QP	2.144M	38.22	56.00	-17.78	10.07	Neutral	-	28.15	0.10	0.08	9.89						
AV	2.144M	31.12	46.00	-14.88	10.07	Neutral	-	21.05	0.10	0.08	9.89						
QP	4.083M	42.49	56.00	-13.51	10.17	Neutral	-	32.32	0.13	0.14	9.90						
AV	4.083M	36.67	46.00	-9.33	10.17	Neutral	"Worst"	26.50	0.13	0.14	9.90						

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11be EHT20_Nss1,(MCS0)_4TX	22.275M	19.046M	19M0D1D	21.505M	18.999M
802.11be EHT20_Nss1,(MCS0)_4TX	23.98M	19.038M	19M0D1D	21.12M	19.018M
802.11be EHT20_Nss1,(MCS0)_4TX	22.495M	19.05M	19M1D1D	21.945M	19.01M
802.11be EHT20_Nss4,(MCS0)_4TX	22.77M	19.062M	19M1D1D	21.45M	19.007M
802.11be EHT20_Nss4,(MCS0)_4TX	22.165M	19.078M	19M1D1D	21.45M	19.035M
802.11be EHT20_Nss4,(MCS0)_4TX	22.88M	19.032M	19M0D1D	21.67M	18.978M
802.11be EHT40_Nss1,(MCS0)_4TX	43.01M	38.003M	38M0D1D	41.69M	37.882M
802.11be EHT40_Nss1,(MCS0)_4TX	43.78M	38.019M	38M0D1D	42.02M	37.897M
802.11be EHT40_Nss1,(MCS0)_4TX	43.56M	38.008M	38M0D1D	42.9M	37.922M
802.11be EHT40_Nss4,(MCS0)_4TX	43.45M	38.02M	38M0D1D	41.47M	37.879M
802.11be EHT40_Nss4,(MCS0)_4TX	42.9M	37.927M	37M9D1D	41.8M	37.888M
802.11be EHT40_Nss4,(MCS0)_4TX	43.67M	37.95M	38M0D1D	41.69M	37.929M
802.11be EHT80_Nss1,(MCS0)_4TX	87.12M	77.591M	77M6D1D	86.02M	77.439M
802.11be EHT80_Nss1,(MCS0)_4TX	88.66M	77.621M	77M6D1D	85.8M	77.53M
802.11be EHT80_Nss1,(MCS0)_4TX	89.1M	77.744M	77M7D1D	86.68M	77.611M
802.11be EHT80_Nss4,(MCS0)_4TX	87.12M	77.544M	77M5D1D	84.7M	77.403M
802.11be EHT80_Nss4,(MCS0)_4TX	89.32M	77.742M	77M7D1D	85.36M	77.518M
802.11be EHT80_Nss4,(MCS0)_4TX	87.56M	77.739M	77M7D1D	84.92M	77.564M
802.11be EHT160_Nss1,(MCS0)_4TX	168.96M	156.671M	157MD1D	165.88M	156.343M
802.11be EHT160_Nss1,(MCS0)_4TX	171.16M	156.978M	157MD1D	168.52M	156.643M
802.11be EHT160_Nss1,(MCS0)_4TX	171.6M	157.116M	157MD1D	165.88M	156.755M
802.11be EHT160_Nss4,(MCS0)_4TX	226.16M	157.093M	157MD1D	169.4M	156.714M
802.11be EHT160_Nss4,(MCS0)_4TX	173.8M	156.994M	157MD1D	166.32M	156.643M
802.11be EHT160_Nss4,(MCS0)_4TX	171.16M	157.077M	157MD1D	168.52M	156.626M
802.11be EHT320_Nss1,(MCS0)_4TX	330.88M	314.856M	315MD1D	329.12M	313.629M
802.11be EHT320_Nss1,(MCS0)_4TX	336.16M	315.955M	316MD1D	328.24M	315.344M
802.11be EHT320_Nss1,(MCS0)_4TX	337.92M	316.876M	317MD1D	329.12M	315.424M
802.11be EHT320_Nss4,(MCS0)_4TX	358.16M	315.796M	316MD1D	330M	314.358M
802.11be EHT320_Nss4,(MCS0)_4TX	334.4M	315.717M	316MD1D	329.12M	315.227M
802.11be EHT320_Nss4,(MCS0)_4TX	333.52M	316.109M	316MD1D	328.24M	315.833M
6.425-6.525GHz	-	-	-	-	-
802.11be EHT20_Nss1,(MCS0)_4TX	22.77M	19.046M	19M0D1D	21.78M	19.018M
802.11be EHT20_Nss1,(MCS0)_4TX	22.055M	19.029M	19M0D1D	21.56M	18.988M
802.11be EHT20_Nss1,(MCS0)_4TX	22.495M	19.041M	19M0D1D	21.505M	19.005M
802.11be EHT20_Nss4,(MCS0)_4TX	22.605M	19.026M	19M0D1D	21.67M	19.007M
802.11be EHT20_Nss4,(MCS0)_4TX	22.11M	19.067M	19M1D1D	21.285M	19.004M
802.11be EHT20_Nss4,(MCS0)_4TX	22.44M	19.045M	19M0D1D	21.065M	19.004M
802.11be EHT40_Nss1,(MCS0)_4TX	42.57M	38.037M	38M0D1D	41.47M	37.979M
802.11be EHT40_Nss1,(MCS0)_4TX	43.78M	38.082M	38M1D1D	42.79M	37.921M
802.11be EHT40_Nss1,(MCS0)_4TX	43.78M	38.052M	38M1D1D	42.57M	37.952M
802.11be EHT40_Nss4,(MCS0)_4TX	42.79M	38.023M	38M0D1D	42.02M	37.941M
802.11be EHT40_Nss4,(MCS0)_4TX	43.12M	38.016M	38M0D1D	41.8M	37.897M
802.11be EHT40_Nss4,(MCS0)_4TX	43.23M	38.016M	38M0D1D	42.57M	37.857M
802.11be EHT80_Nss1,(MCS0)_4TX	89.54M	77.665M	77M7D1D	85.14M	77.568M
802.11be EHT80_Nss1,(MCS0)_4TX	89.98M	77.721M	77M7D1D	86.02M	77.571M
802.11be EHT80_Nss4,(MCS0)_4TX	88.22M	77.691M	77M7D1D	86.46M	77.589M
802.11be EHT80_Nss4,(MCS0)_4TX	90.86M	77.68M	77M7D1D	85.8M	77.559M
802.11be EHT160_Nss1,(MCS0)_4TX	170.28M	157.15M	157MD1D	169.4M	156.848M
802.11be EHT160_Nss4,(MCS0)_4TX	172.92M	157.071M	157MD1D	168.08M	156.913M
6.525-6.875GHz	-	-	-	-	-
802.11be EHT20_Nss1,(MCS0)_4TX	23.32M	19.037M	19M0D1D	21.45M	18.993M
802.11be EHT20_Nss1,(MCS0)_4TX	22.935M	19.071M	19M1D1D	22M	19.011M
802.11be EHT20_Nss1,(MCS0)_4TX	22.935M	19.036M	19M0D1D	21.78M	19.003M
802.11be EHT20_Nss4,(MCS0)_4TX	22.33M	19.065M	19M1D1D	21.505M	19.009M

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11be EHT20_Nss4,(MCS0)_4TX	22.055M	19.036M	19MOD1D	21.23M	18.998M
802.11be EHT20_Nss4,(MCS0)_4TX	22.33M	19.073M	19M1D1D	21.56M	19M
802.11be EHT40_Nss1,(MCS0)_4TX	43.34M	38.001M	38MOD1D	42.68M	37.923M
802.11be EHT40_Nss1,(MCS0)_4TX	43.45M	37.979M	38MOD1D	42.79M	37.89M
802.11be EHT40_Nss1,(MCS0)_4TX	44.33M	38.077M	38M1D1D	42.02M	37.957M
802.11be EHT40_Nss4,(MCS0)_4TX	43.78M	37.981M	38MOD1D	42.68M	37.927M
802.11be EHT40_Nss4,(MCS0)_4TX	42.9M	38.031M	38MOD1D	42.46M	37.968M
802.11be EHT40_Nss4,(MCS0)_4TX	43.34M	38.027M	38MOD1D	42.02M	37.925M
802.11be EHT80_Nss1,(MCS0)_4TX	88.66M	77.719M	77M7D1D	85.58M	77.607M
802.11be EHT80_Nss1,(MCS0)_4TX	88.22M	77.853M	77M9D1D	84.26M	77.535M
802.11be EHT80_Nss1,(MCS0)_4TX	88.88M	77.853M	77M9D1D	85.58M	77.505M
802.11be EHT80_Nss1,(MCS0)_4TX	88.44M	77.659M	77M7D1D	86.02M	77.576M
802.11be EHT80_Nss4,(MCS0)_4TX	89.1M	77.768M	77M8D1D	84.04M	77.525M
802.11be EHT80_Nss4,(MCS0)_4TX	89.1M	77.776M	77M8D1D	86.9M	77.595M
802.11be EHT80_Nss4,(MCS0)_4TX	86.24M	77.794M	77M8D1D	84.26M	77.569M
802.11be EHT80_Nss4,(MCS0)_4TX	86.24M	77.696M	77M7D1D	84.7M	77.612M
802.11be EHT160_Nss1,(MCS0)_4TX	171.6M	156.843M	157MD1D	168.96M	156.673M
802.11be EHT160_Nss1,(MCS0)_4TX	168.52M	157.294M	157MD1D	166.76M	156.712M
802.11be EHT160_Nss4,(MCS0)_4TX	169.84M	156.952M	157MD1D	167.2M	156.567M
802.11be EHT160_Nss4,(MCS0)_4TX	169.84M	157.05M	157MD1D	165M	156.717M
802.11be EHT320_Nss1,(MCS0)_4TX	334.4M	315.77M	316MD1D	330.88M	315.476M
802.11be EHT320_Nss1,(MCS0)_4TX	336.16M	315.478M	315MD1D	332.64M	314.962M
802.11be EHT320_Nss4,(MCS0)_4TX	335.28M	315.853M	316MD1D	327.36M	315.294M
802.11be EHT320_Nss4,(MCS0)_4TX	337.04M	316.127M	316MD1D	333.52M	315.418M
6.875-7.125GHz	-	-	-	-	-
802.11be EHT20_Nss1,(MCS0)_4TX	22.44M	19.078M	19M1D1D	21.835M	19.01M
802.11be EHT20_Nss1,(MCS0)_4TX	22.88M	19.057M	19M1D1D	21.78M	19.009M
802.11be EHT20_Nss1,(MCS0)_4TX	22.77M	19.046M	19MOD1D	21.78M	19.001M
802.11be EHT20_Nss1,(MCS0)_4TX	22.66M	19.054M	19M1D1D	21.395M	18.978M
802.11be EHT20_Nss4,(MCS0)_4TX	22M	19.077M	19M1D1D	21.505M	19.023M
802.11be EHT20_Nss4,(MCS0)_4TX	22.55M	19.016M	19MOD1D	21.285M	18.979M
802.11be EHT20_Nss4,(MCS0)_4TX	22.44M	19.053M	19M1D1D	22.11M	19.016M
802.11be EHT20_Nss4,(MCS0)_4TX	22.55M	19.053M	19M1D1D	21.945M	19.029M
802.11be EHT40_Nss1,(MCS0)_4TX	44.55M	38.076M	38M1D1D	42.24M	37.923M
802.11be EHT40_Nss1,(MCS0)_4TX	42.24M	38.03M	38MOD1D	41.8M	37.964M
802.11be EHT40_Nss1,(MCS0)_4TX	45.1M	38.011M	38MOD1D	42.9M	37.887M
802.11be EHT40_Nss4,(MCS0)_4TX	44.55M	38.017M	38MOD1D	41.69M	37.922M
802.11be EHT40_Nss4,(MCS0)_4TX	43.56M	37.99M	38MOD1D	42.13M	37.935M
802.11be EHT40_Nss4,(MCS0)_4TX	43.23M	38.021M	38MOD1D	41.58M	37.901M
802.11be EHT80_Nss1,(MCS0)_4TX	88.22M	77.724M	77M7D1D	84.92M	77.531M
802.11be EHT80_Nss1,(MCS0)_4TX	88.66M	77.696M	77M7D1D	85.36M	77.591M
802.11be EHT80_Nss4,(MCS0)_4TX	88M	77.757M	77M8D1D	86.46M	77.538M
802.11be EHT80_Nss4,(MCS0)_4TX	89.54M	77.656M	77M7D1D	83.82M	77.445M
802.11be EHT160_Nss1,(MCS0)_4TX	175.12M	157.166M	157MD1D	168.08M	156.459M
802.11be EHT160_Nss4,(MCS0)_4TX	169.84M	157.022M	157MD1D	166.76M	156.78M
802.11be EHT320_Nss1,(MCS0)_4TX	339.68M	316.198M	316MD1D	332.64M	315.642M
802.11be EHT320_Nss4,(MCS0)_4TX	337.04M	315.825M	316MD1D	332.64M	315.551M

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)
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	21.725M	19.017M	22.11M	18.999M	22.275M	19.008M	21.505M	19.046M
6195MHz	Pass	Inf	22.165M	19.018M	21.67M	19.038M	21.12M	19.024M	23.98M	19.029M
6415MHz	Pass	Inf	22.275M	19.05M	22.495M	19.01M	21.945M	19.01M	22.33M	19.027M
6435MHz	Pass	Inf	21.78M	19.018M	22M	19.038M	22.77M	19.029M	21.89M	19.046M
6475MHz	Pass	Inf	21.835M	19.022M	21.56M	19.029M	22.055M	18.988M	21.56M	19.002M
6515MHz	Pass	Inf	22.165M	19.005M	22.495M	19.041M	21.505M	19.023M	22.44M	19.039M
6535MHz	Pass	Inf	22.935M	19.025M	22.33M	19.037M	21.45M	18.993M	23.32M	18.998M
6695MHz	Pass	Inf	22.11M	19.029M	22.77M	19.071M	22.935M	19.011M	22M	19.015M
6875MHz	Pass	Inf	21.78M	19.036M	22.935M	19.003M	22.33M	19.029M	22.22M	19.015M
6895MHz	Pass	Inf	21.89M	19.024M	22.165M	19.012M	21.835M	19.01M	22.44M	19.078M
6995MHz	Pass	Inf	22.33M	19.019M	22.385M	19.009M	22.88M	19.032M	21.78M	19.057M
7095MHz	Pass	Inf	21.78M	19.012M	21.89M	19.046M	21.89M	19.023M	22.77M	19.001M
7115MHz	Pass	Inf	21.395M	18.999M	22.165M	19.054M	21.45M	18.978M	22.66M	19.007M
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	42.68M	37.945M	42.35M	37.93M	43.01M	38.003M	41.69M	37.882M
6205MHz	Pass	Inf	43.78M	37.974M	42.02M	38.019M	42.35M	37.897M	42.35M	37.95M
6405MHz	Pass	Inf	43.01M	37.985M	43.12M	37.922M	42.9M	38.008M	43.56M	37.962M
6445MHz	Pass	Inf	42.57M	38.037M	41.91M	37.979M	41.8M	38.001M	41.47M	38.018M
6485MHz	Pass	Inf	43.23M	38.038M	43.78M	37.995M	42.79M	38.082M	43.12M	37.921M
6525MHz	Pass	Inf	42.9M	37.952M	43.78M	38.009M	42.9M	38.04M	42.57M	38.052M
6565MHz	Pass	Inf	42.68M	38.001M	43.12M	37.986M	43.34M	37.979M	43.34M	37.923M
6685MHz	Pass	Inf	43.45M	37.95M	42.79M	37.89M	43.34M	37.979M	43.23M	37.959M
6885MHz	Pass	Inf	42.24M	38.035M	44.33M	38.077M	42.68M	37.999M	42.02M	37.957M
6925MHz	Pass	Inf	44M	38.076M	44.55M	37.923M	44.11M	37.975M	42.24M	37.945M
7005MHz	Pass	Inf	42.13M	37.988M	42.24M	37.964M	41.8M	37.989M	42.13M	38.03M
7085MHz	Pass	Inf	42.9M	38.011M	43.34M	37.977M	45.1M	37.999M	43.01M	37.887M
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	86.24M	77.549M	86.02M	77.59M	87.12M	77.591M	86.68M	77.439M
6225MHz	Pass	Inf	85.8M	77.53M	88.66M	77.541M	86.46M	77.608M	87.78M	77.621M
6385MHz	Pass	Inf	88M	77.691M	86.68M	77.715M	89.1M	77.744M	86.68M	77.611M
6465MHz	Pass	Inf	85.14M	77.626M	86.24M	77.568M	88.44M	77.637M	89.54M	77.665M
6545MHz	Pass	Inf	87.34M	77.623M	89.98M	77.571M	88M	77.721M	86.02M	77.711M
6625MHz	Pass	Inf	85.58M	77.719M	88.66M	77.607M	86.24M	77.669M	85.58M	77.648M
6705MHz	Pass	Inf	84.26M	77.535M	87.12M	77.576M	86.9M	77.853M	88.22M	77.543M
6785MHz	Pass	Inf	85.58M	77.853M	87.56M	77.505M	88.22M	77.727M	88.88M	77.668M
6865MHz	Pass	Inf	88.44M	77.61M	86.68M	77.628M	87.12M	77.659M	86.02M	77.576M
6945MHz	Pass	Inf	86.9M	77.724M	84.92M	77.531M	87.56M	77.698M	88.22M	77.606M
7025MHz	Pass	Inf	87.78M	77.696M	88.66M	77.651M	85.36M	77.612M	85.8M	77.591M
802.11be EHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	168.52M	156.671M	165.88M	156.343M	168.96M	156.541M	167.64M	156.421M
6185MHz	Pass	Inf	169.4M	156.643M	171.16M	156.978M	168.52M	156.804M	168.52M	156.686M
6345MHz	Pass	Inf	165.88M	156.755M	169.84M	156.852M	171.6M	156.904M	167.64M	157.116M
6505MHz	Pass	Inf	170.28M	156.955M	169.84M	156.848M	170.28M	156.923M	169.4M	157.15M
6665MHz	Pass	Inf	169.4M	156.826M	169.84M	156.789M	168.96M	156.843M	171.6M	156.673M
6825MHz	Pass	Inf	168.52M	157.294M	166.76M	156.833M	167.2M	156.984M	167.2M	156.712M
6985MHz	Pass	Inf	170.28M	157.166M	168.08M	156.459M	171.6M	157.088M	175.12M	156.861M
802.11be EHT320_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6105MHz	Pass	Inf	330.88M	314.26M	330.88M	313.629M	329.12M	314.856M	329.12M	314.117M
6265MHz	Pass	Inf	332.64M	315.955M	336.16M	315.386M	333.52M	315.895M	328.24M	315.344M
6425MHz	Pass	Inf	337.92M	316.594M	332.64M	316.388M	329.12M	316.876M	335.28M	315.424M
6585MHz	Pass	Inf	334.4M	315.668M	333.52M	315.617M	334.4M	315.476M	330.88M	315.77M
6745MHz	Pass	Inf	333.52M	315.427M	336.16M	315.478M	332.64M	315.268M	333.52M	314.962M
6905MHz	Pass	Inf	339.68M	316.198M	335.28M	315.714M	332.64M	315.643M	332.64M	315.642M
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-



EBW_For Non-beamforming mode

Appendix B.1

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)
5955MHz	Pass	Inf	22.22M	19.023M	21.89M	19.007M	22.77M	19.062M	21.45M	19.007M
6195MHz	Pass	Inf	21.45M	19.041M	22.165M	19.035M	22M	19.052M	21.67M	19.078M
6415MHz	Pass	Inf	22.11M	19.032M	21.725M	19.016M	21.67M	18.978M	22.88M	19.007M
6435MHz	Pass	Inf	22M	19.017M	22.11M	19.007M	22.605M	19.026M	21.67M	19.01M
6475MHz	Pass	Inf	22.11M	19.043M	21.285M	19.004M	21.505M	19.067M	21.725M	19.055M
6515MHz	Pass	Inf	22.44M	19.037M	21.67M	19.025M	21.065M	19.004M	21.89M	19.045M
6535MHz	Pass	Inf	21.725M	19.021M	22M	19.048M	21.505M	19.009M	22.33M	19.065M
6695MHz	Pass	Inf	21.34M	19.018M	21.395M	18.998M	21.23M	19.036M	22.055M	19.024M
6875MHz	Pass	Inf	22.11M	19.008M	22.33M	19.073M	21.945M	19.018M	21.56M	19M
6895MHz	Pass	Inf	21.725M	19.077M	22M	19.023M	21.505M	19.039M	21.945M	19.048M
6995MHz	Pass	Inf	21.835M	19.012M	22.55M	19.016M	21.67M	19.01M	21.285M	18.979M
7095MHz	Pass	Inf	22.11M	19.053M	22.44M	19.029M	22.385M	19.017M	22.22M	19.016M
7115MHz	Pass	Inf	22.55M	19.053M	22.11M	19.045M	21.945M	19.029M	21.945M	19.047M
802.11be EHT40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	43.45M	37.971M	41.47M	38.02M	42.68M	37.984M	42.46M	37.879M
6205MHz	Pass	Inf	41.8M	37.927M	42.79M	37.888M	41.91M	37.888M	42.9M	37.907M
6405MHz	Pass	Inf	43.67M	37.929M	41.69M	37.95M	42.24M	37.95M	41.8M	37.945M
6445MHz	Pass	Inf	42.35M	38.023M	42.02M	38.022M	42.79M	37.941M	42.13M	37.941M
6485MHz	Pass	Inf	43.12M	37.982M	42.35M	37.897M	41.8M	38.016M	42.13M	37.993M
6525MHz	Pass	Inf	42.57M	37.916M	43.01M	38.016M	42.68M	37.939M	43.23M	37.857M
6565MHz	Pass	Inf	42.68M	37.927M	43.34M	37.981M	42.9M	37.972M	43.78M	37.967M
6685MHz	Pass	Inf	42.9M	38.003M	42.79M	38.004M	42.68M	38.031M	42.46M	37.968M
6885MHz	Pass	Inf	42.35M	37.976M	42.02M	37.925M	42.79M	37.972M	43.34M	38.027M
6925MHz	Pass	Inf	42.68M	37.975M	42.46M	37.982M	44.55M	37.922M	41.69M	38.017M
7005MHz	Pass	Inf	42.13M	37.99M	42.79M	37.948M	43.34M	37.935M	43.56M	37.961M
7085MHz	Pass	Inf	42.68M	37.958M	43.23M	38.021M	42.24M	38.005M	41.58M	37.901M
802.11be EHT80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	84.7M	77.403M	87.12M	77.473M	85.8M	77.544M	87.12M	77.476M
6225MHz	Pass	Inf	87.56M	77.634M	85.36M	77.518M	88.88M	77.742M	89.32M	77.61M
6385MHz	Pass	Inf	86.68M	77.71M	84.92M	77.654M	84.92M	77.739M	87.56M	77.564M
6465MHz	Pass	Inf	86.46M	77.688M	88.22M	77.691M	86.9M	77.589M	86.9M	77.675M
6545MHz	Pass	Inf	90.86M	77.616M	90.2M	77.657M	85.8M	77.559M	86.68M	77.68M
6625MHz	Pass	Inf	87.12M	77.7M	88M	77.613M	89.1M	77.768M	84.04M	77.525M
6705MHz	Pass	Inf	89.1M	77.61M	87.78M	77.595M	87.78M	77.776M	86.9M	77.634M
6785MHz	Pass	Inf	85.8M	77.578M	84.26M	77.569M	86.24M	77.794M	85.36M	77.629M
6865MHz	Pass	Inf	86.24M	77.639M	85.36M	77.679M	86.02M	77.612M	84.7M	77.696M
6945MHz	Pass	Inf	86.46M	77.742M	86.68M	77.538M	88M	77.757M	86.46M	77.664M
7025MHz	Pass	Inf	89.54M	77.611M	88.66M	77.613M	86.24M	77.656M	83.82M	77.445M
802.11be EHT160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	169.4M	156.793M	226.16M	157.093M	169.4M	156.714M	176.44M	156.739M
6185MHz	Pass	Inf	173.8M	156.994M	166.32M	156.876M	167.2M	156.991M	172.04M	156.643M
6345MHz	Pass	Inf	169.84M	157.077M	171.16M	156.92M	168.96M	156.761M	168.52M	156.626M
6505MHz	Pass	Inf	168.52M	156.913M	168.08M	156.939M	172.92M	157.027M	168.08M	157.071M
6665MHz	Pass	Inf	167.64M	156.821M	169.84M	156.952M	167.2M	156.808M	167.64M	156.567M
6825MHz	Pass	Inf	168.08M	156.717M	168.96M	156.928M	169.84M	156.839M	165M	157.05M
6985MHz	Pass	Inf	169.84M	157.021M	169.84M	156.952M	168.96M	156.78M	166.76M	157.022M
802.11be EHT320_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6105MHz	Pass	Inf	330M	314.576M	358.16M	315.333M	345.84M	315.796M	338.8M	314.358M
6265MHz	Pass	Inf	331.76M	315.404M	332.64M	315.682M	334.4M	315.717M	329.12M	315.227M
6425MHz	Pass	Inf	330.88M	316.018M	328.24M	315.997M	330.88M	316.109M	333.52M	315.833M
6585MHz	Pass	Inf	327.36M	315.726M	333.52M	315.853M	335.28M	315.294M	332.64M	315.794M
6745MHz	Pass	Inf	333.52M	316.127M	333.52M	315.418M	333.52M	315.596M	337.04M	315.65M
6905MHz	Pass	Inf	332.64M	315.734M	335.28M	315.551M	337.04M	315.825M	335.28M	315.729M

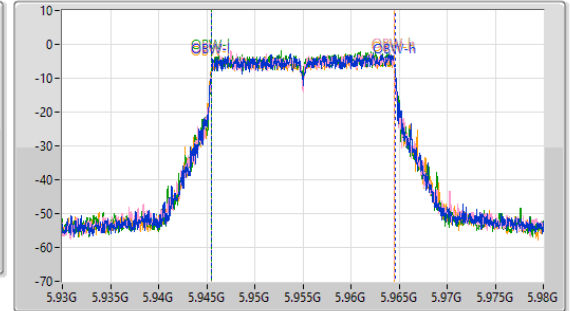
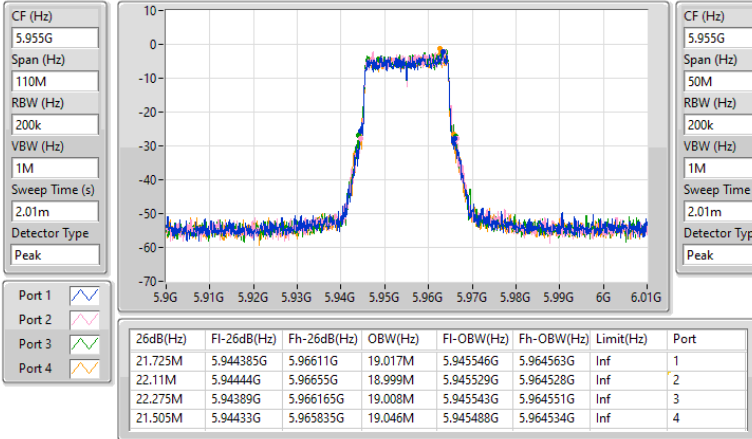
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5955MHz

22/04/2024

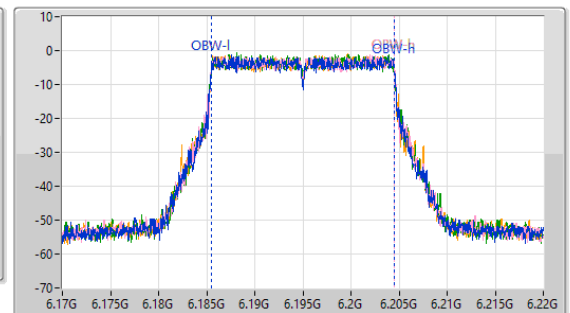
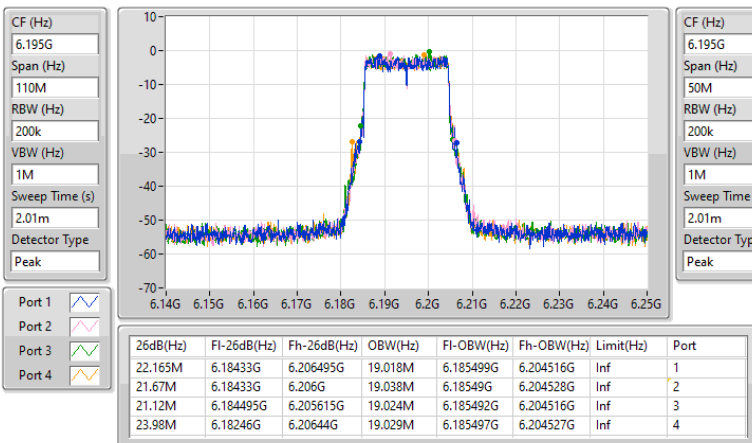


5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

6195MHz

22/04/2024

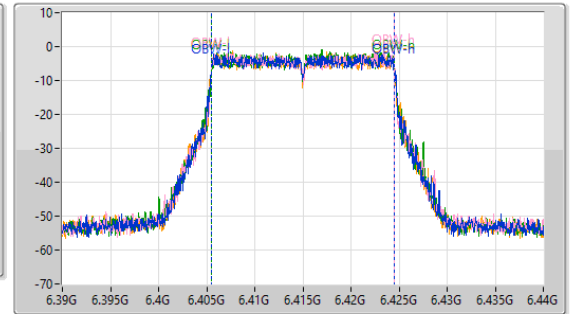
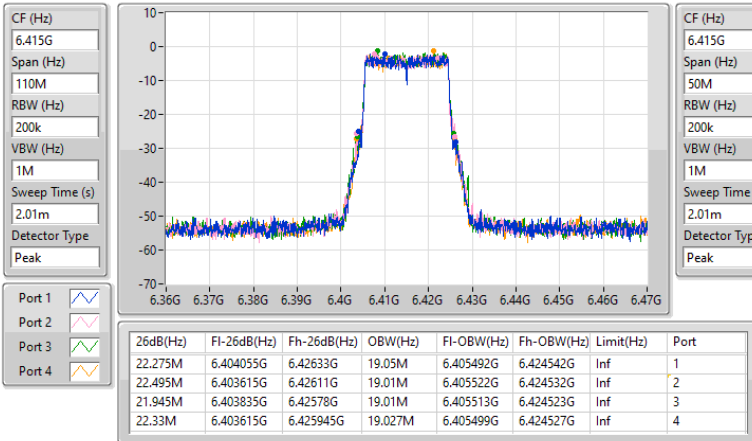


5.925-6.425GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

6415MHz

22/04/2024

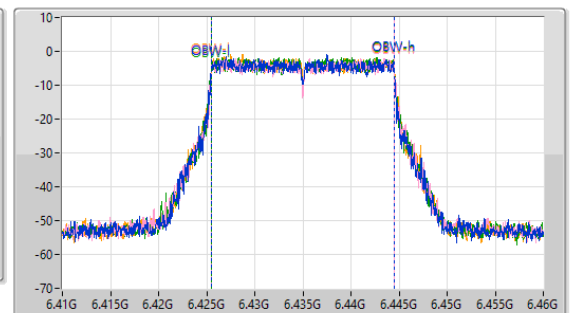
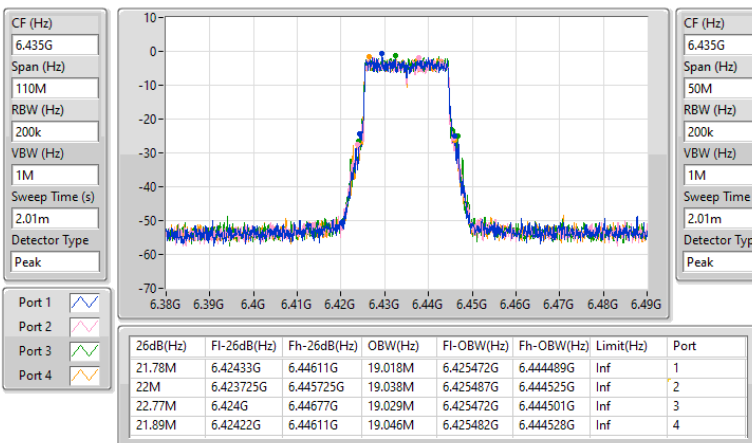


6.425-6.525GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

6435MHz

22/04/2024

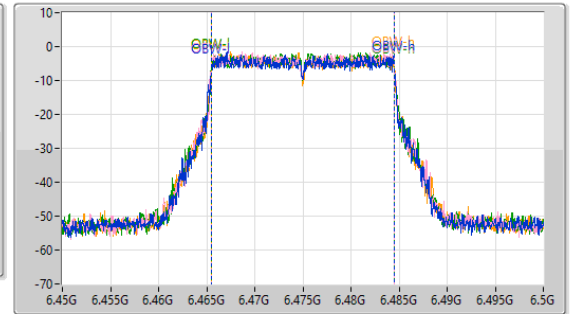
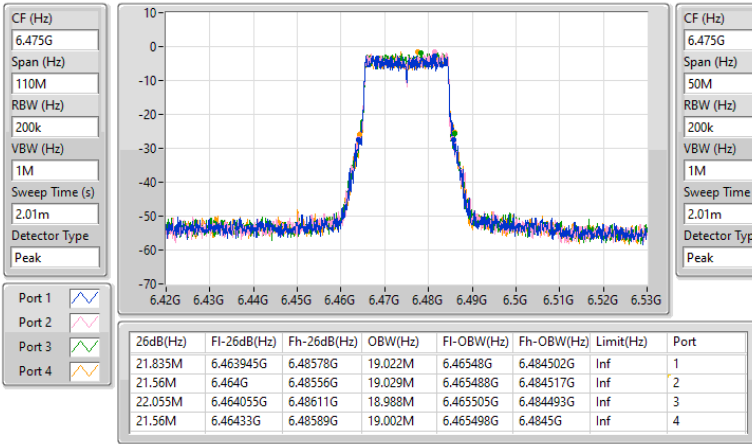


6.425-6.525GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

6475MHz

22/04/2024

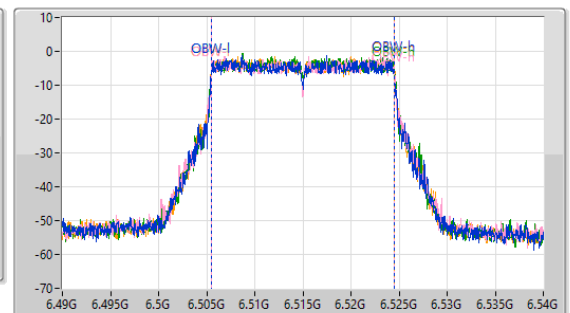


6.425-6.525GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

6515MHz

22/04/2024

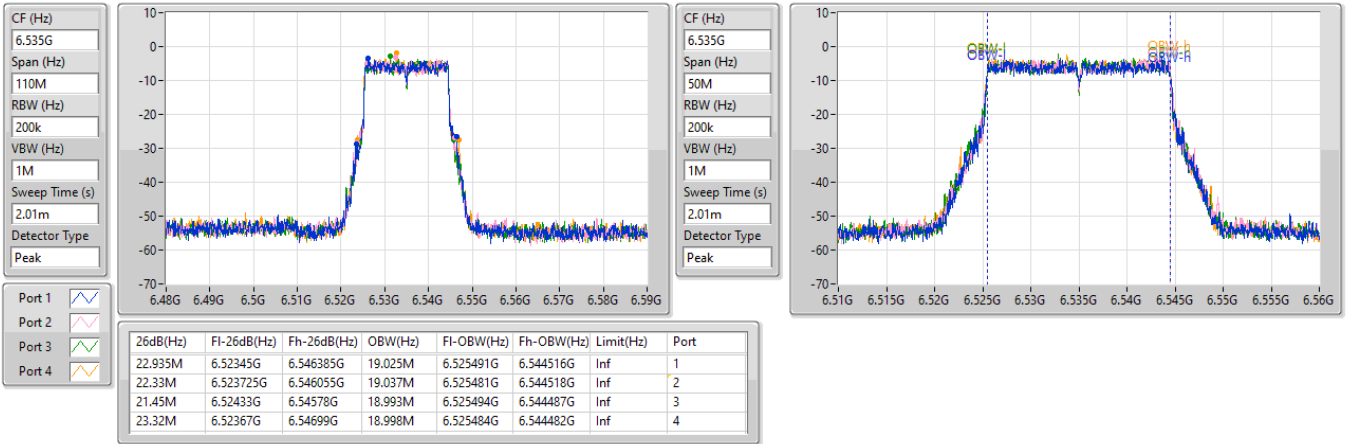


6.525-6.875GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

6535MHz

22/04/2024

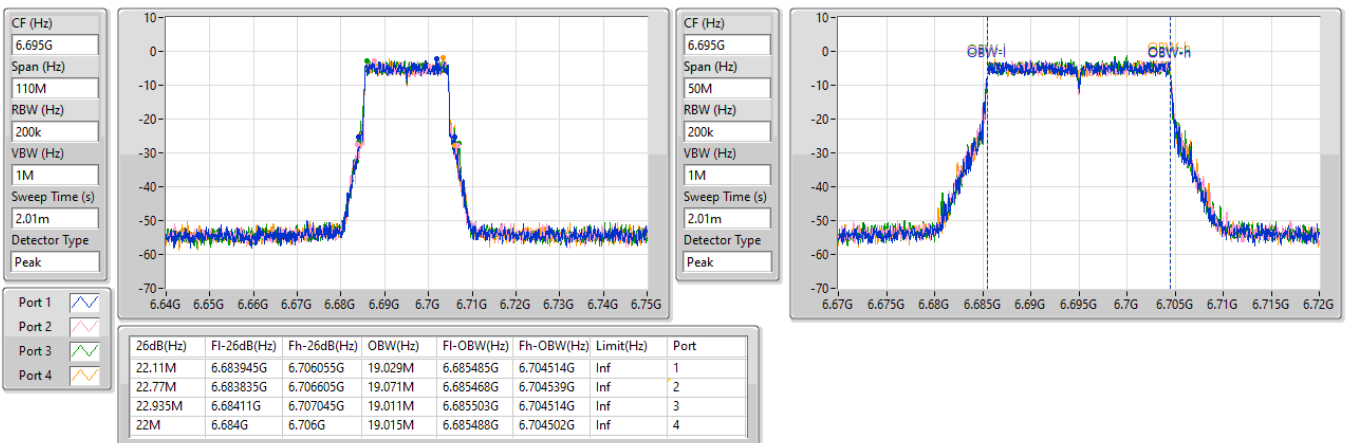


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EBW

6695MHz

22/04/2024

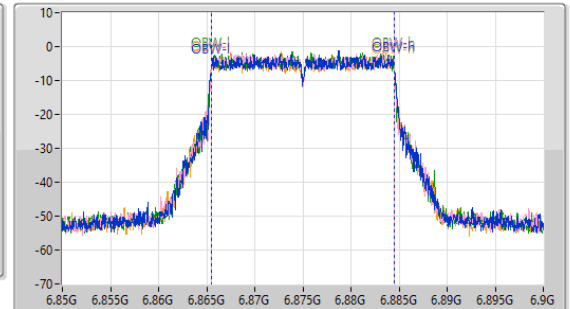
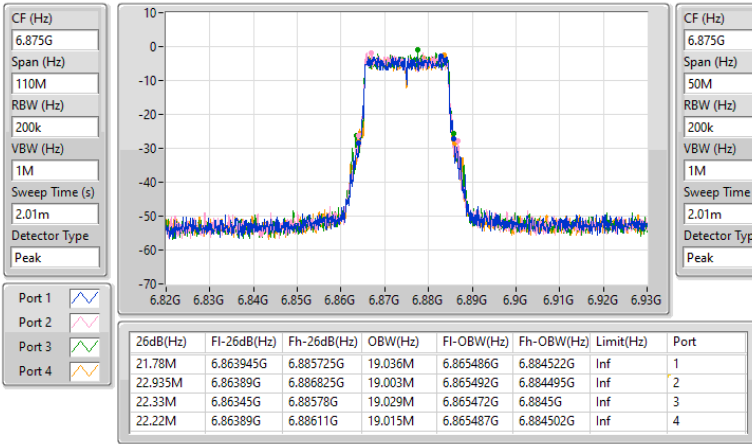


6.525-6.875GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

6875MHz

22/04/2024

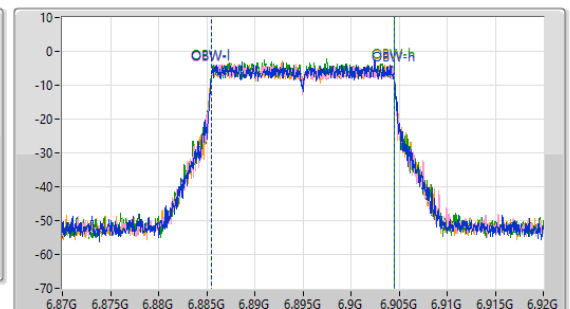
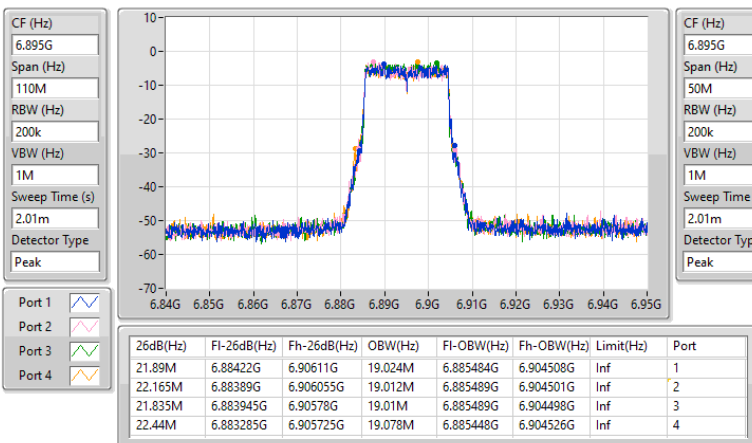


6.875-7.125GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

6895MHz

22/04/2024

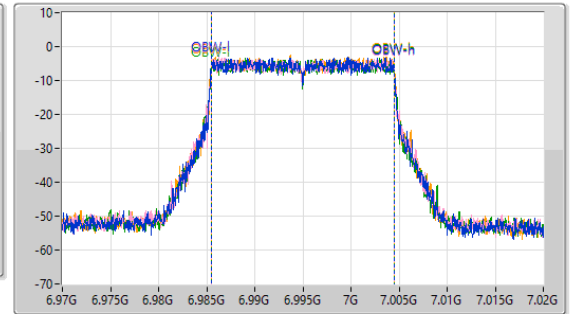
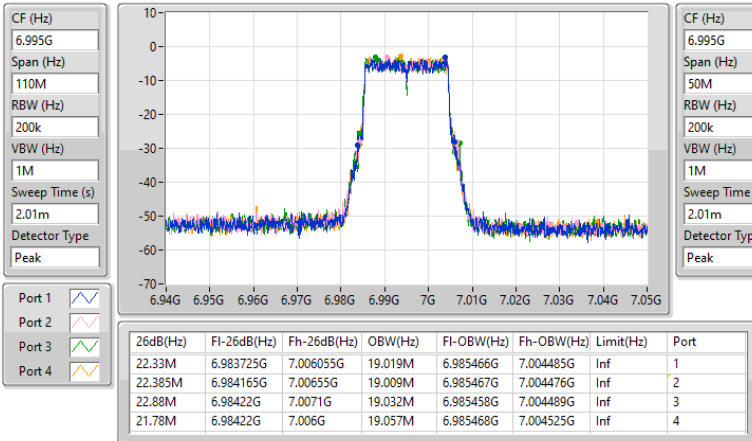


6.875-7.125GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

6995MHz

22/04/2024

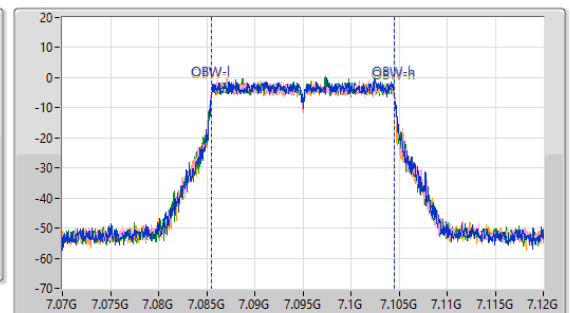
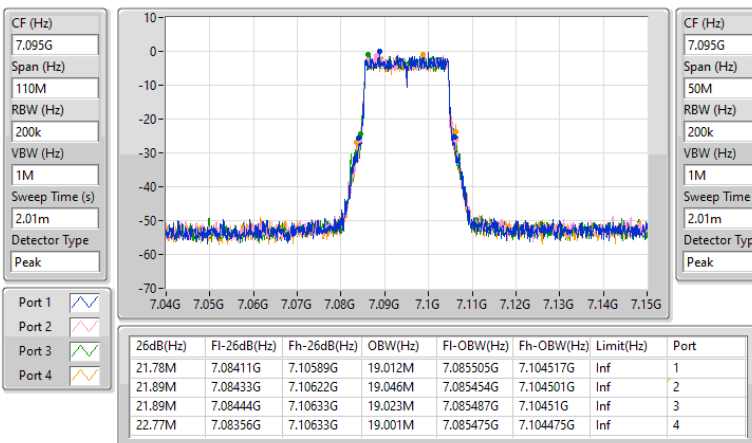


6.875-7.125GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

7095MHz

22/04/2024

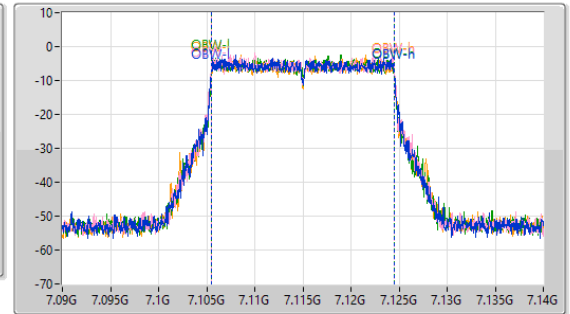
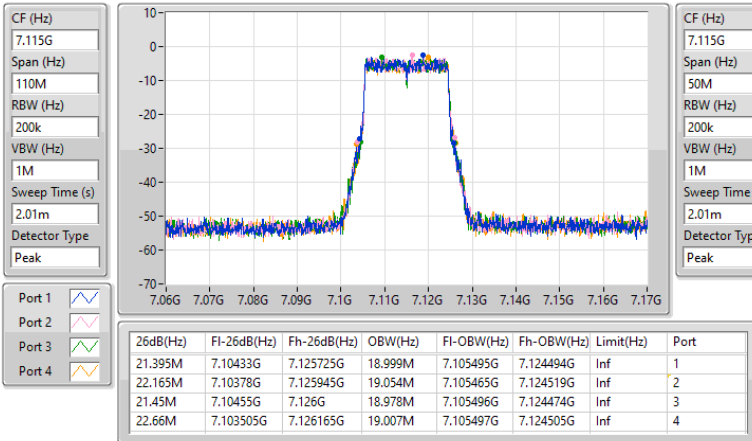


6.875-7.125GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

7115MHz

22/04/2024

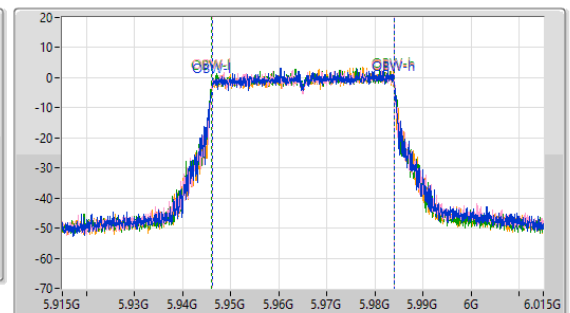
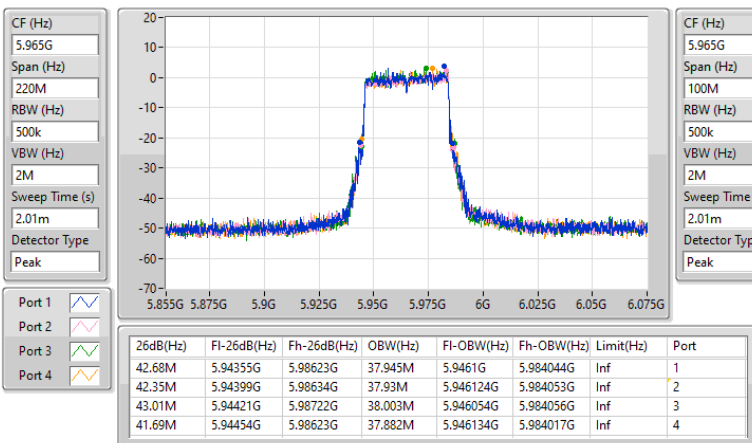


5.925-6.425GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5965MHz

22/04/2024

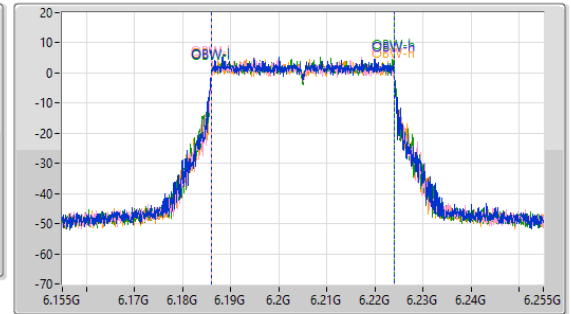
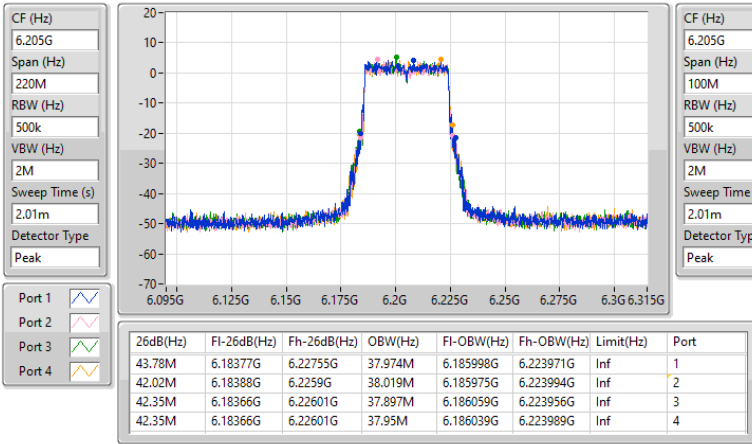


5.925-6.425GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

6205MHz

22/04/2024

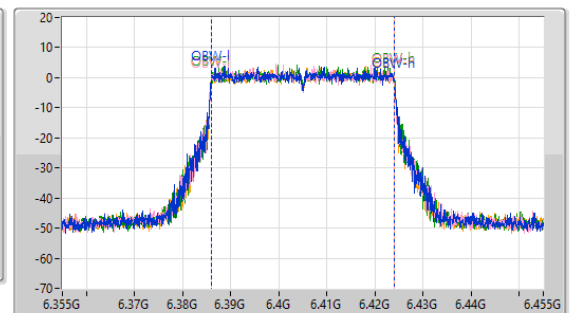
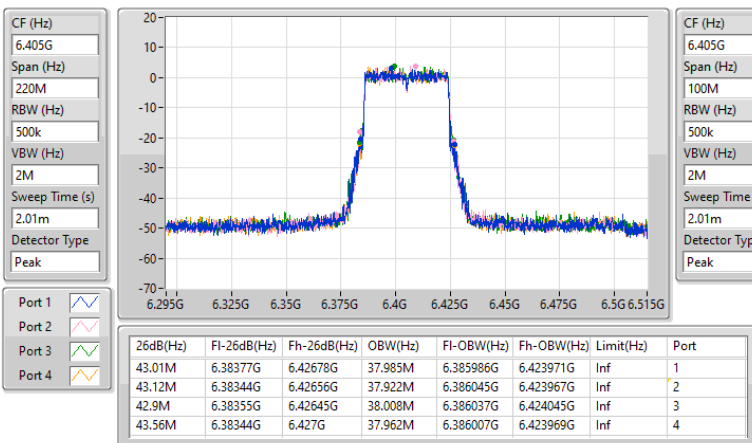


5.925-6.425GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

6405MHz

22/04/2024

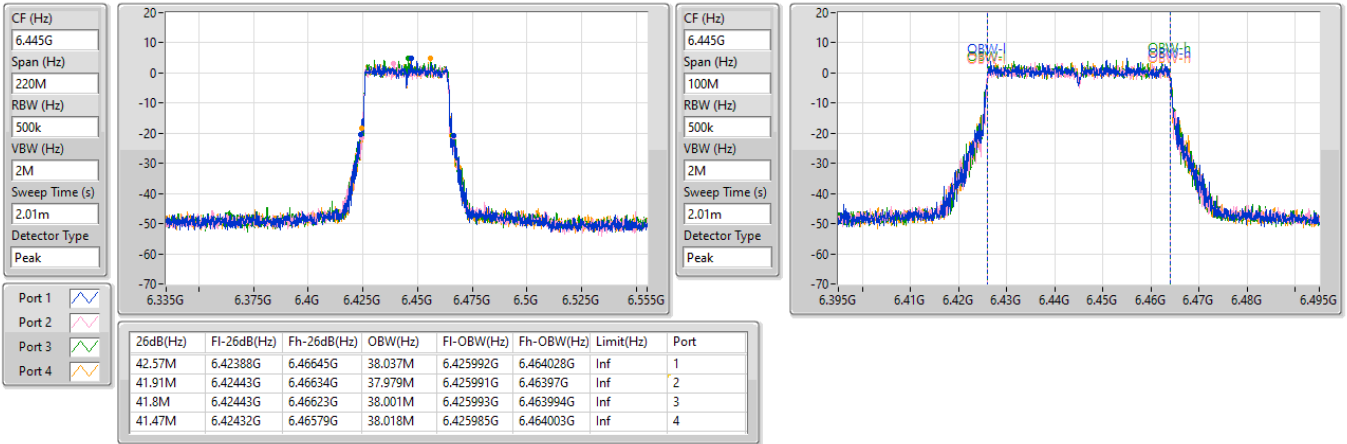


6.425-6.525GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

6445MHz

22/04/2024

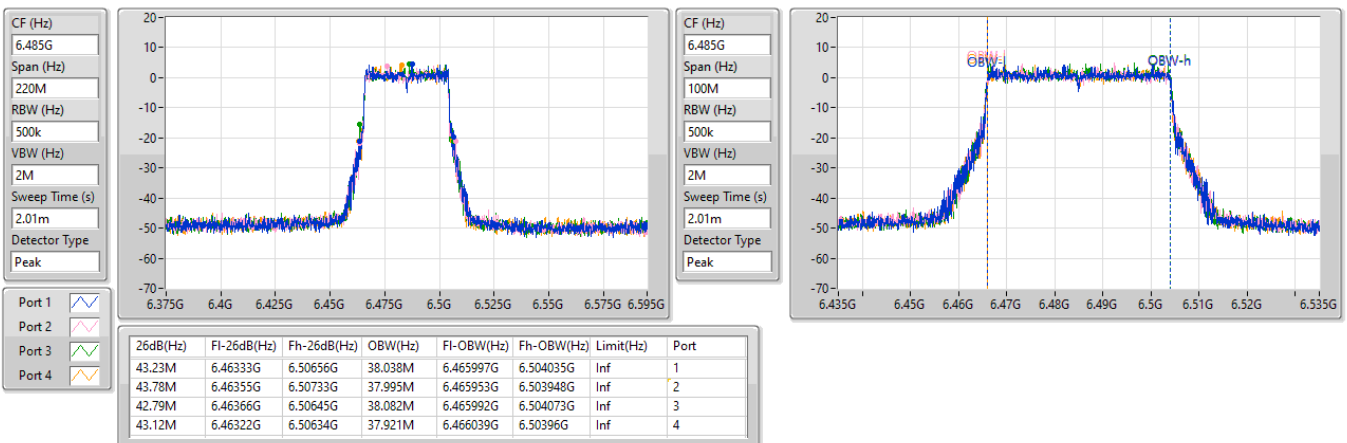


6.425-6.525GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

6485MHz

22/04/2024

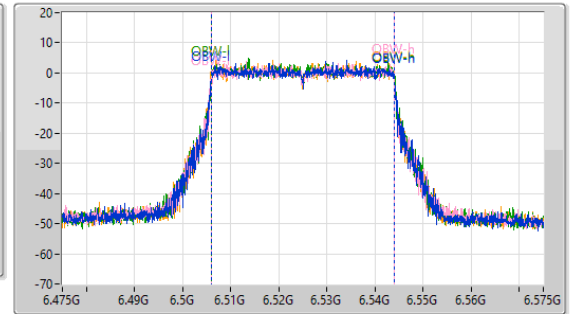
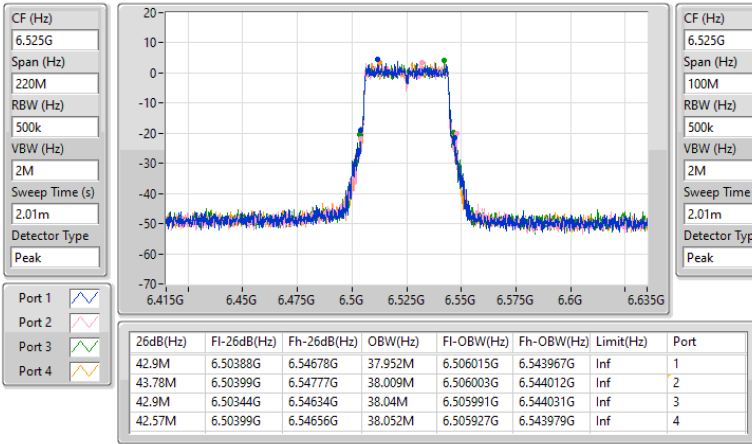


6.425-6.525GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

6525MHz

22/04/2024

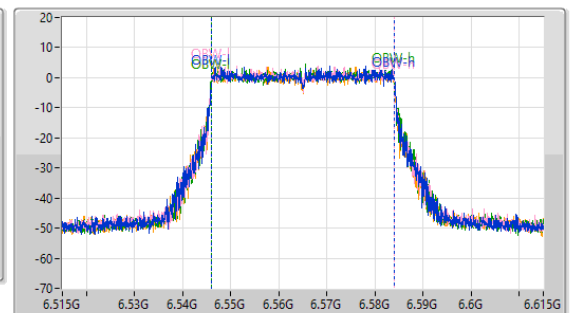
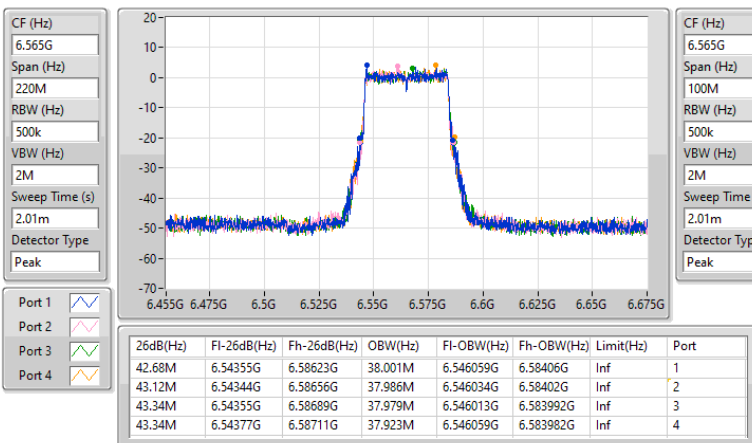


6.525-6.875GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

6565MHz

22/04/2024

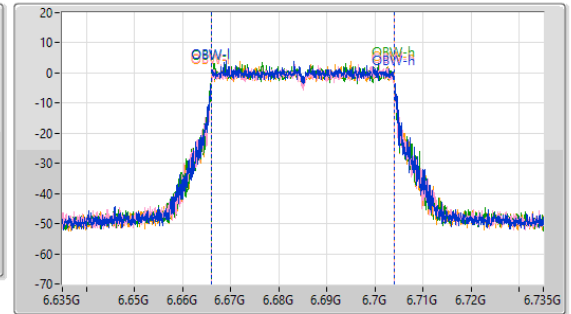
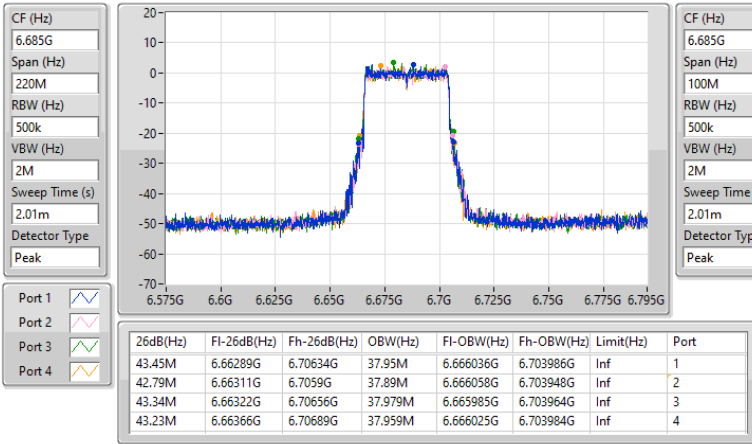


6.525-6.875GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

6685MHz

22/04/2024

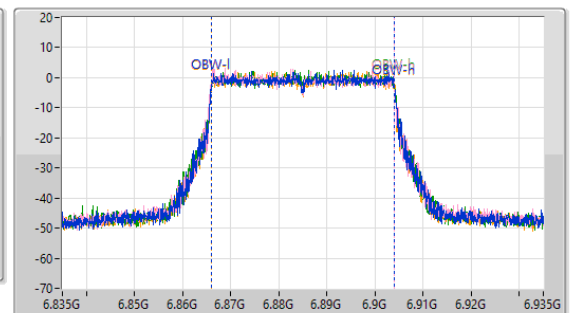
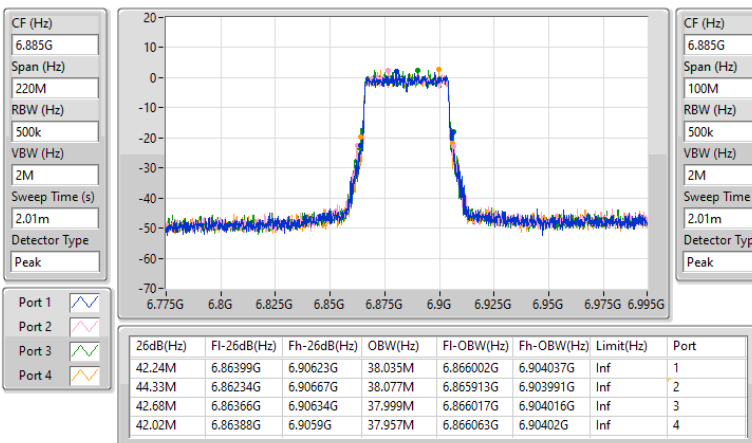


6.525-6.875GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

6685MHz

22/04/2024

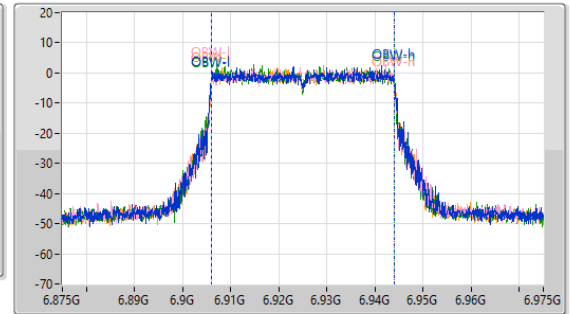
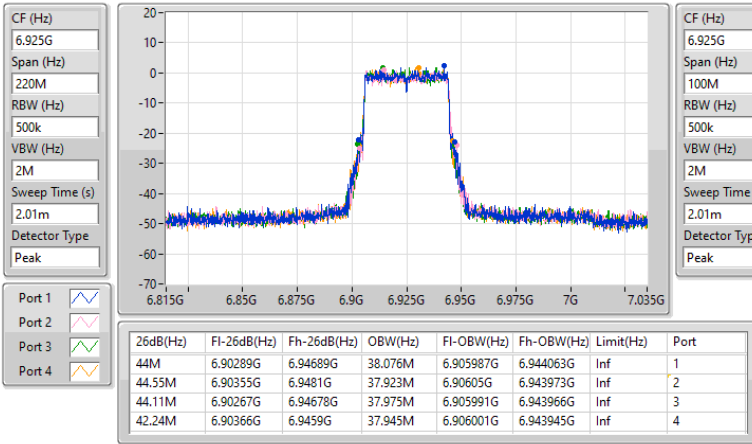


6.875-7.125GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

6925MHz

22/04/2024

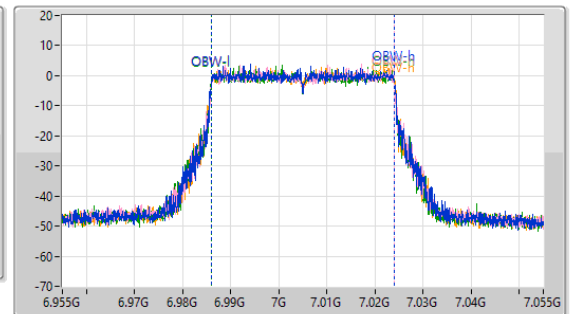
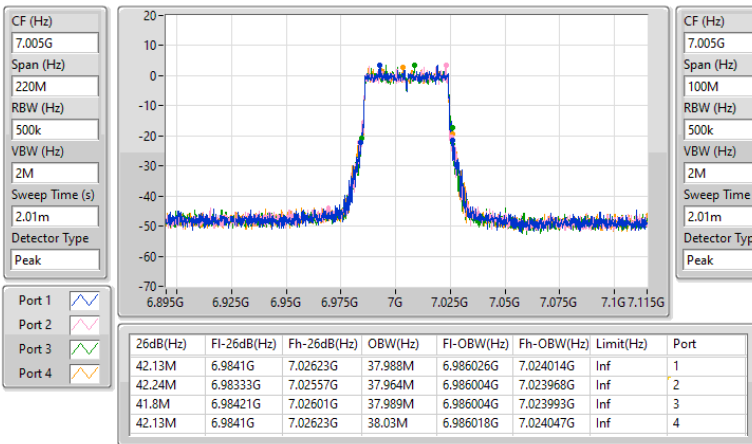


6.875-7.125GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

7005MHz

22/04/2024

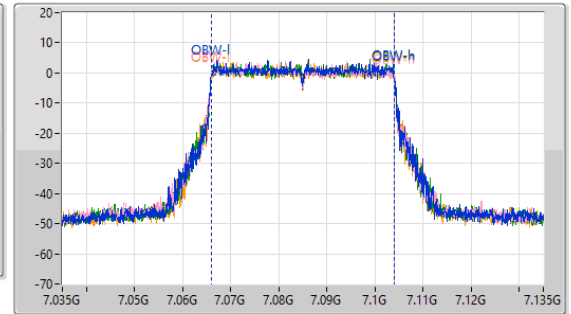
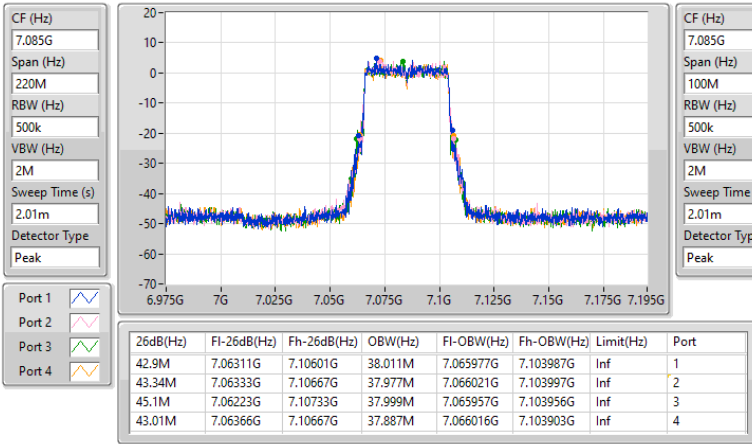


6.875-7.125GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

7085MHz

22/04/2024

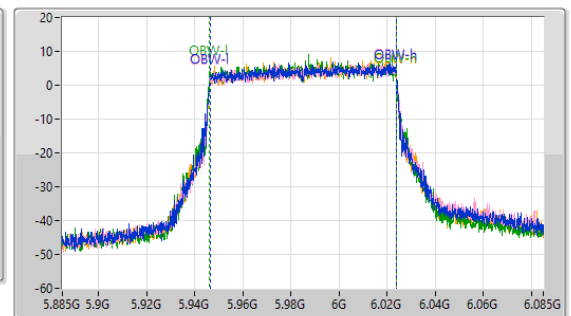
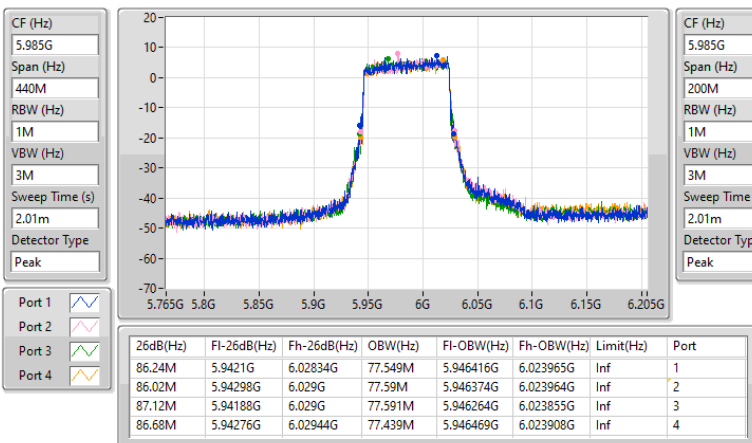


5.925-6.425GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5985MHz

22/04/2024

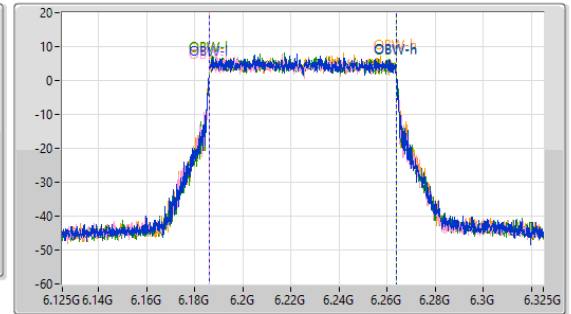
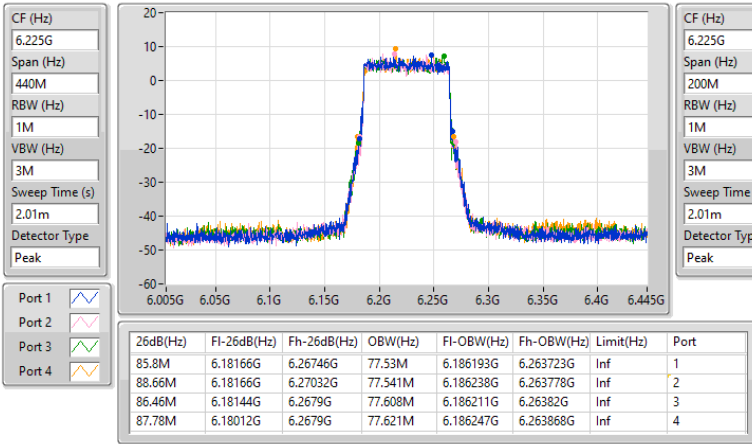


5.925-6.425GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

6225MHz

22/04/2024

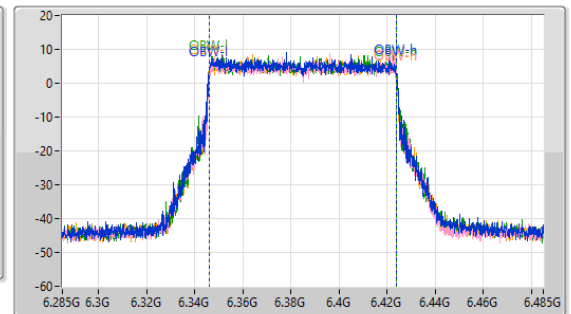
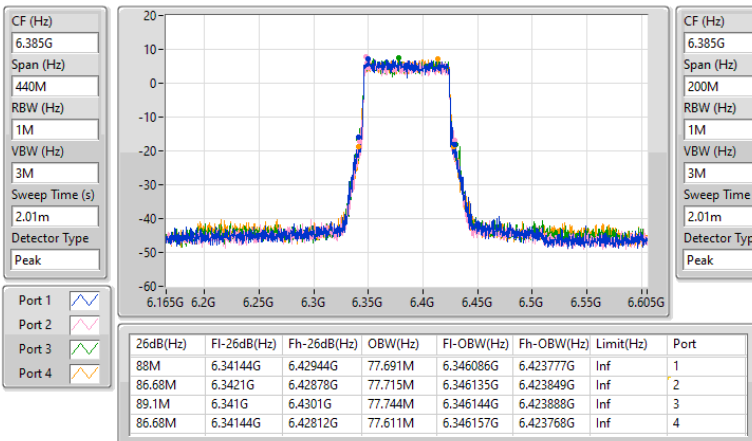


5.925-6.425GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

6385MHz

22/04/2024

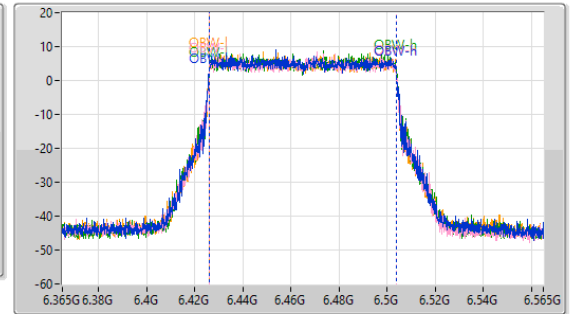
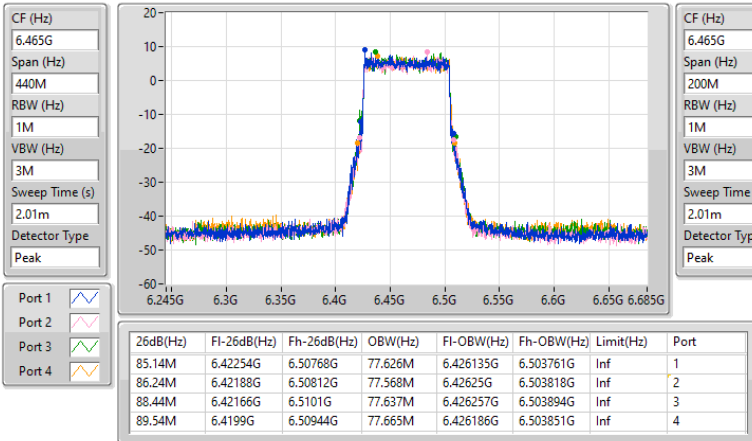


6.425-6.525GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

6465MHz

22/04/2024

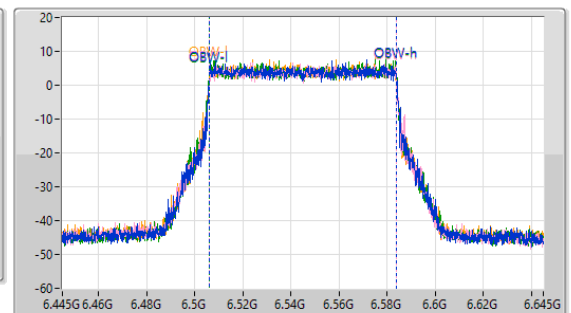
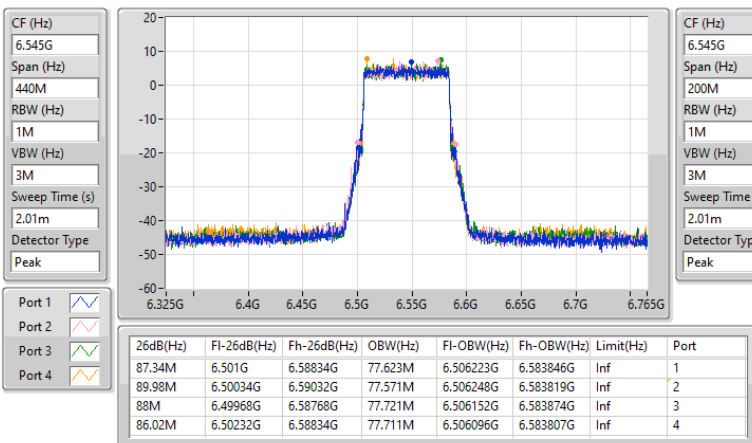


6.425-6.525GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

6545MHz

22/04/2024

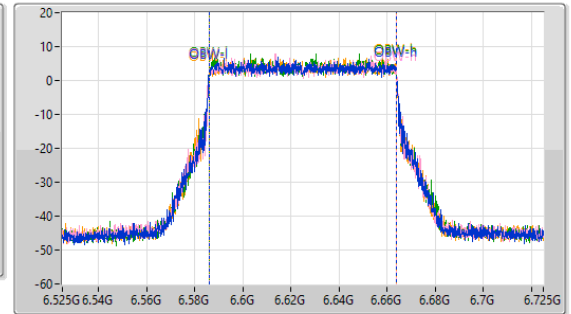
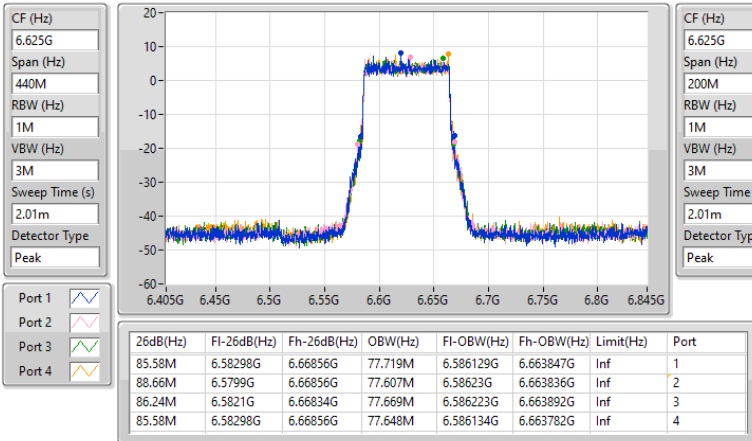


6.525-6.875GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

6625MHz

22/04/2024

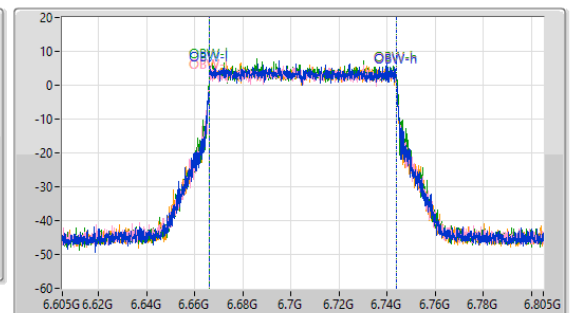
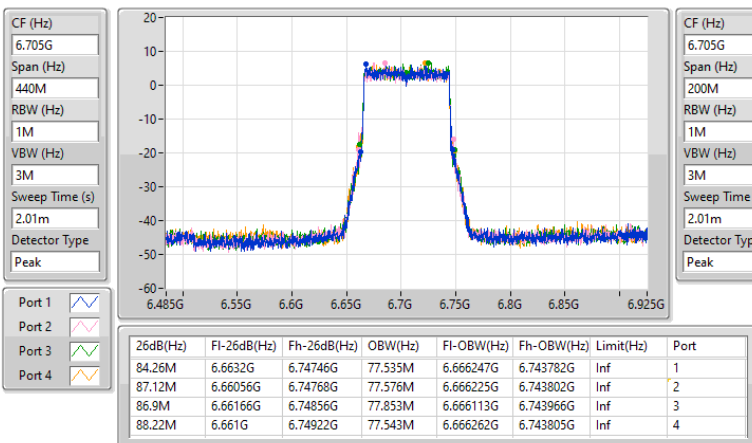


6.525-6.875GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

6705MHz

22/04/2024

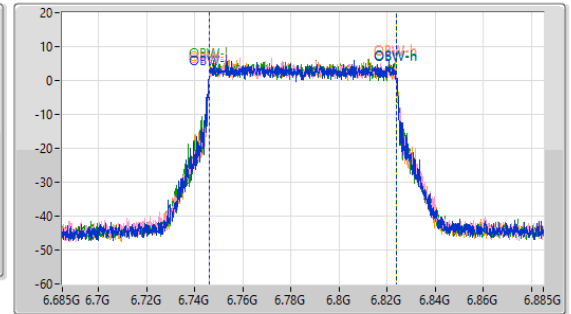
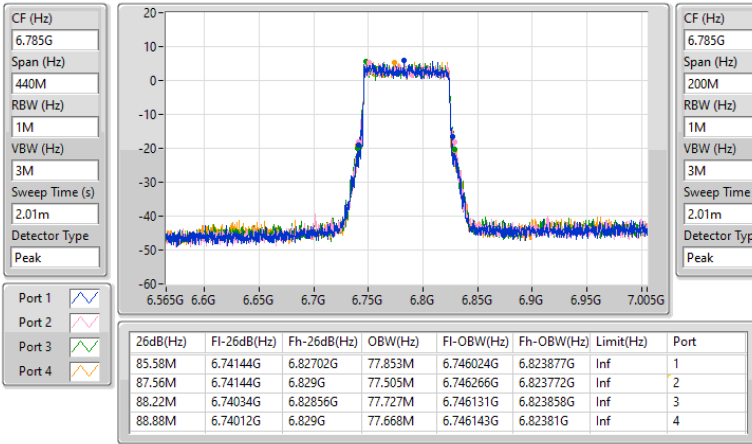


6.525-6.875GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

6785MHz

22/04/2024

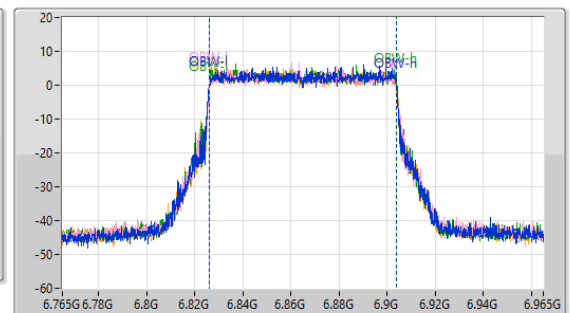
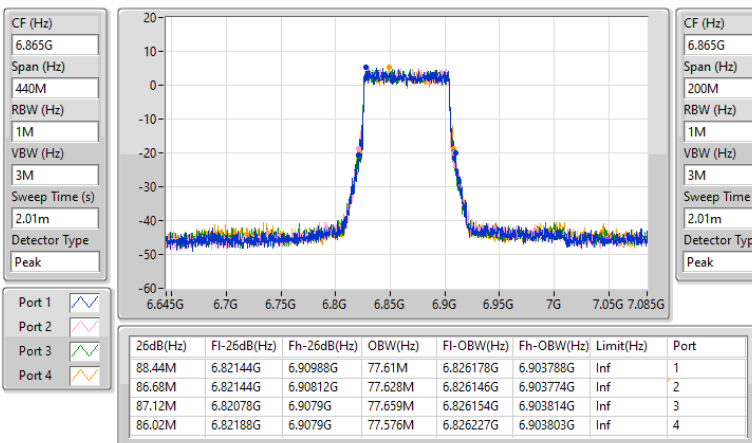


6.525-6.875GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

6865MHz

22/04/2024

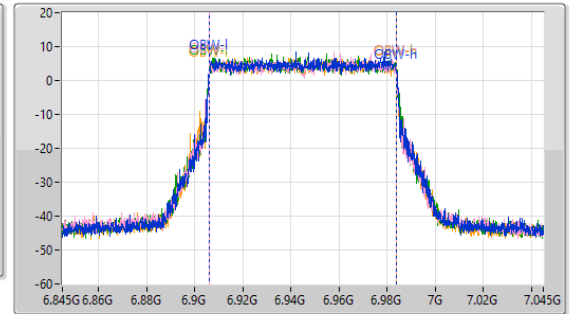
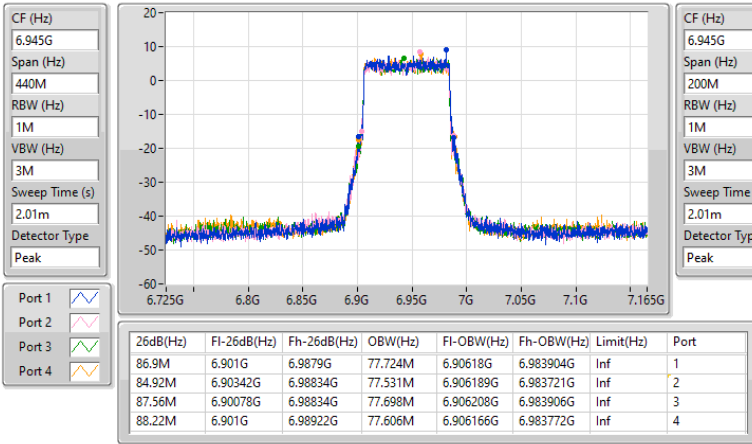


6.875-7.125GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

6945MHz

22/04/2024

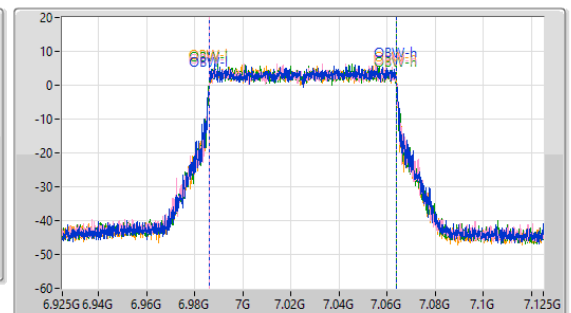
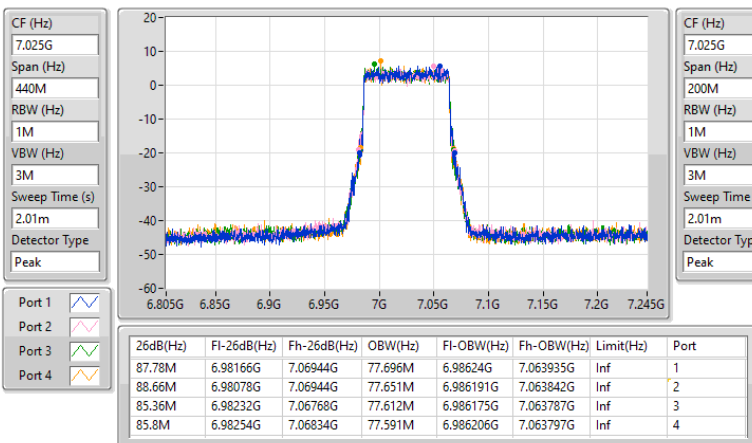


6.875-7.125GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

7025MHz

22/04/2024

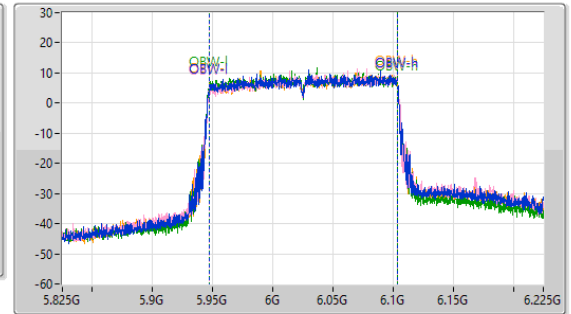
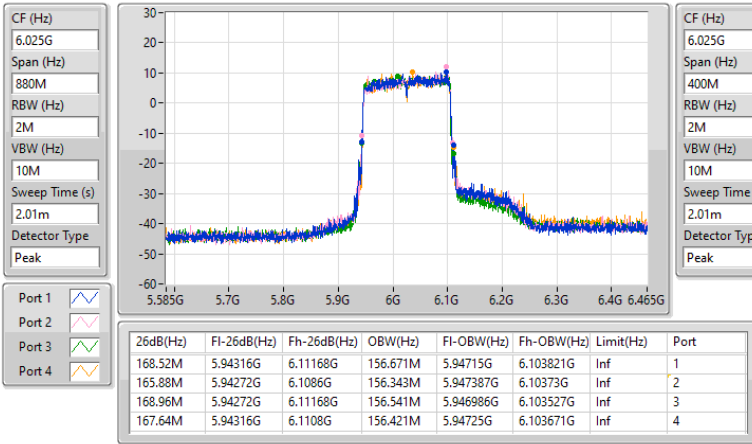


5.925-6.425GHz_802.11be EHT160_Nss1,(MCS0)_4TX

EBW

6025MHz

22/04/2024

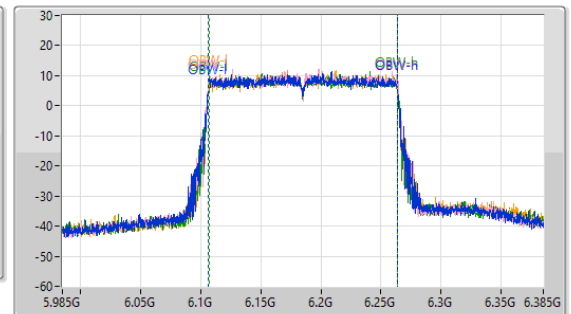
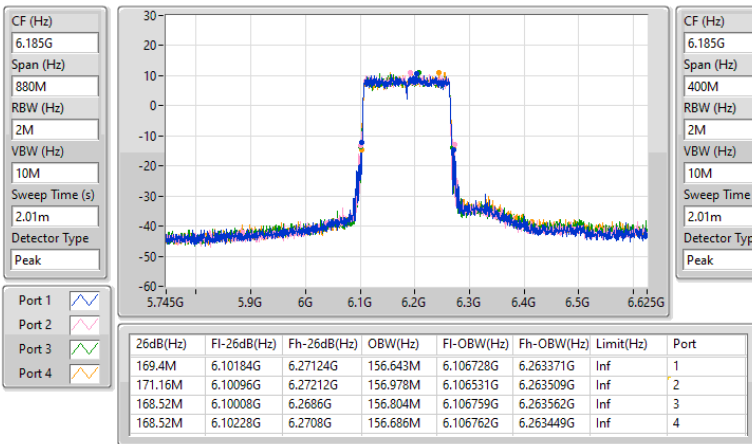


5.925-6.425GHz_802.11be EHT160_Nss1,(MCS0)_4TX

EBW

6185MHz

22/04/2024

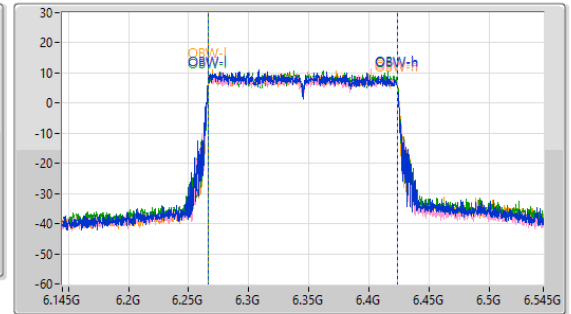
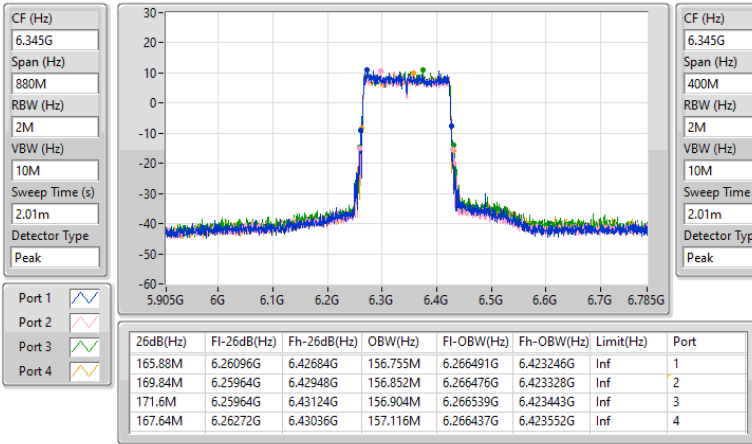


5.925-6.425GHz_802.11be EHT160_Nss1,(MCS0)_4TX

EBW

6345MHz

22/04/2024

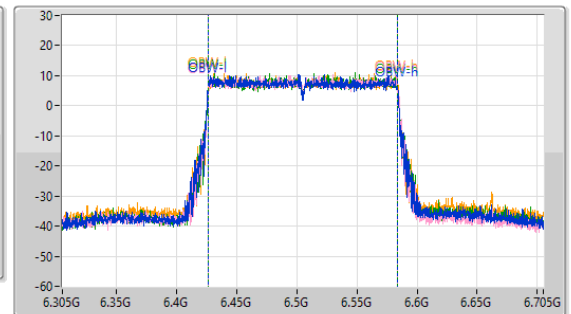
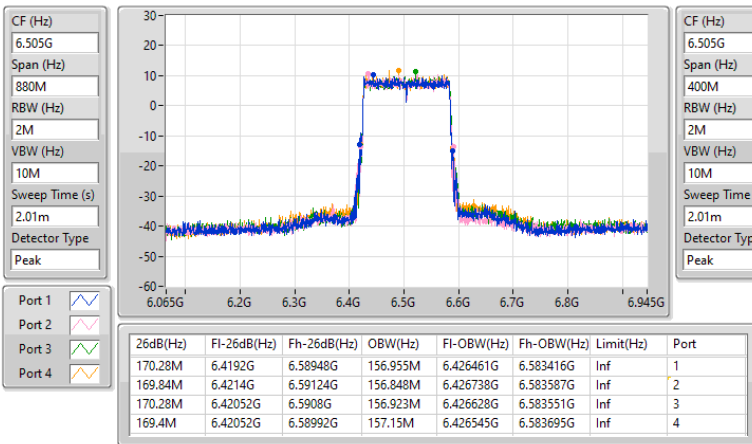


6.425-6.525GHz_802.11be EHT160_Nss1,(MCS0)_4TX

EBW

6505MHz

22/04/2024

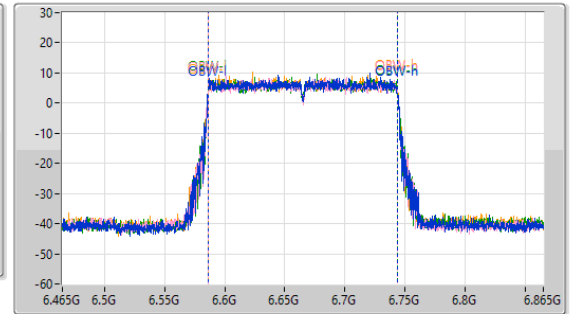
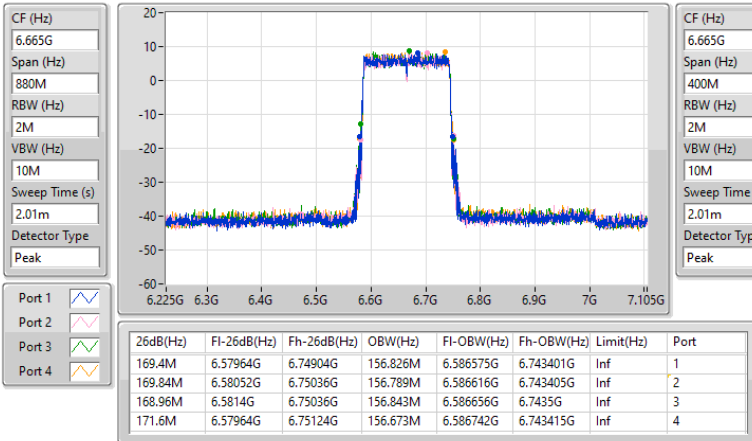


6.525-6.875GHz_802.11be EHT160_Nss1,(MCS0)_4TX

EBW

6665MHz

22/04/2024

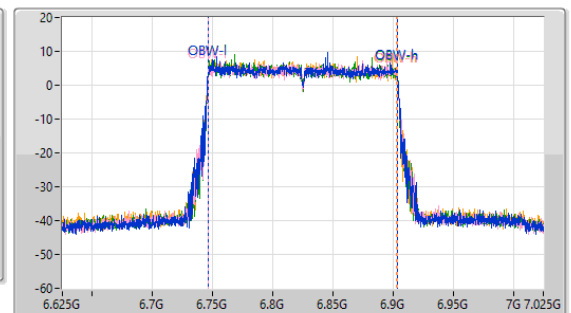
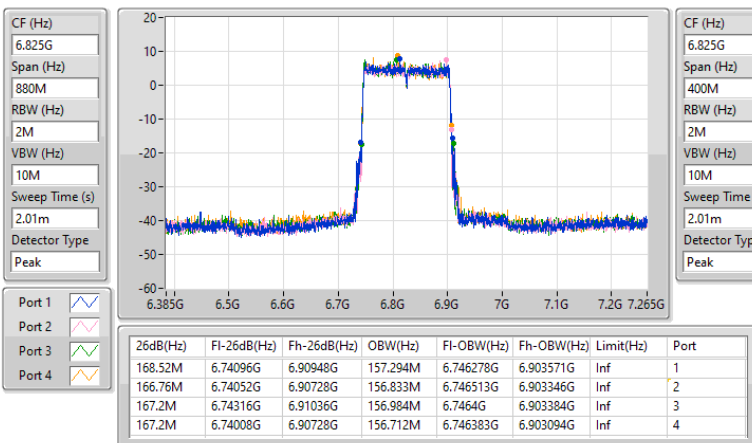


6.525-6.875GHz_802.11be EHT160_Nss1,(MCS0)_4TX

EBW

6825MHz

22/04/2024

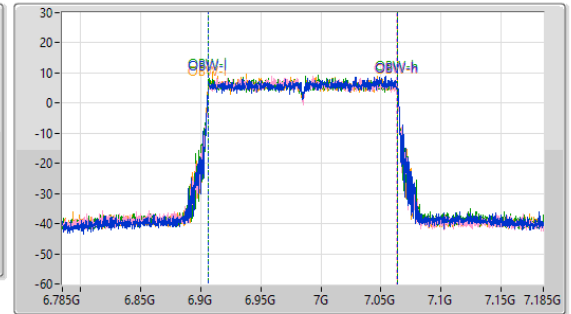
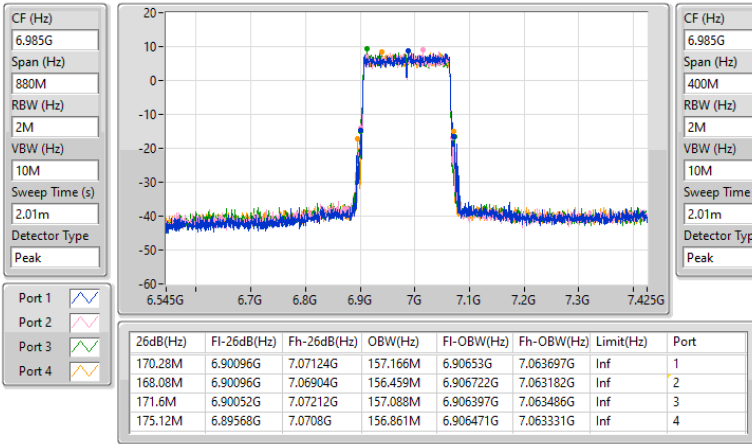


6.875-7.125GHz_802.11be EHT160_Nss1,(MCS0)_4TX

EBW

6985MHz

22/04/2024

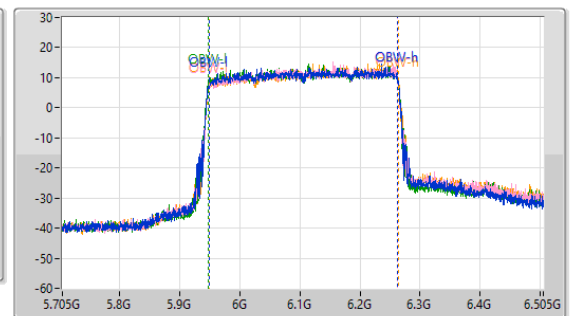
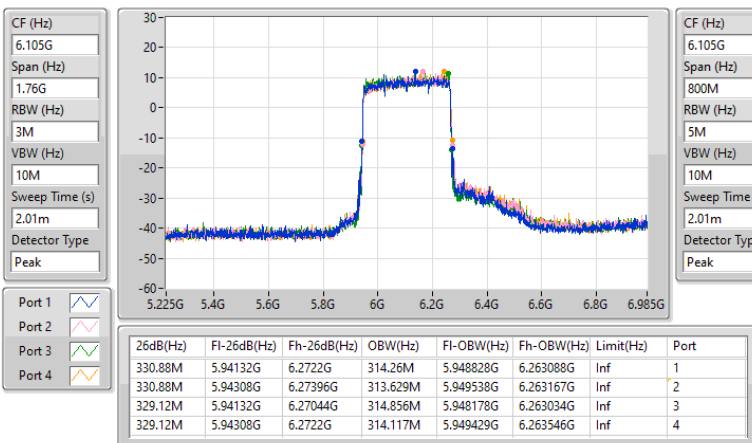


5.925-6.425GHz_802.11be EHT320_Nss1,(MCS0)_4TX

EBW

6105MHz

22/04/2024

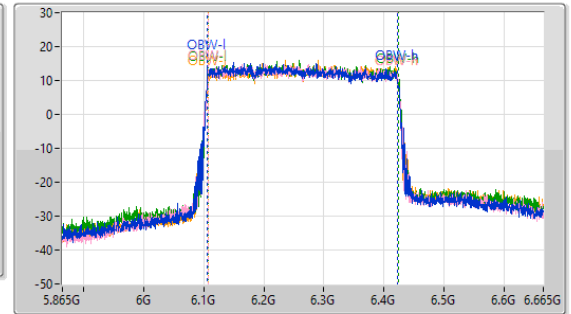
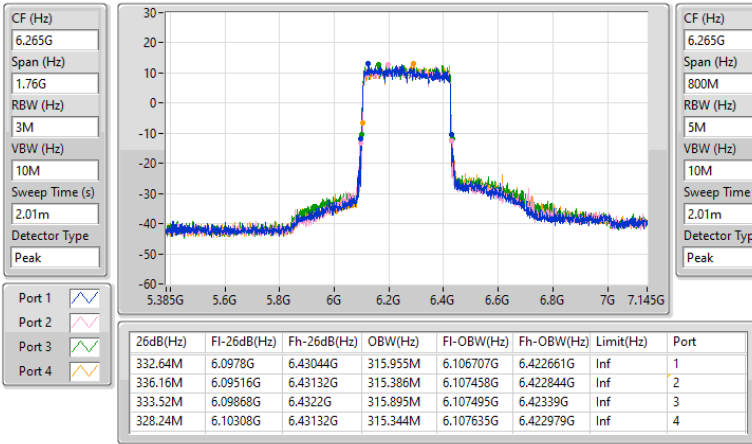


5.925-6.425GHz_802.11be EHT320_Nss1,(MCS0)_4TX

EBW

6265MHz

22/04/2024

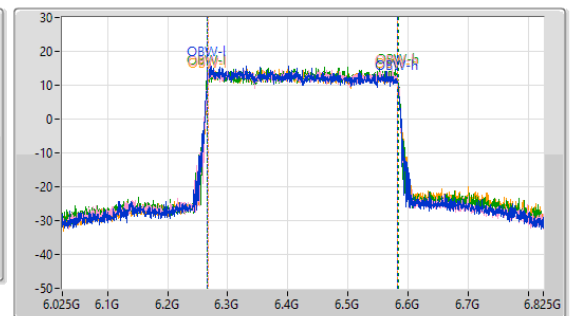
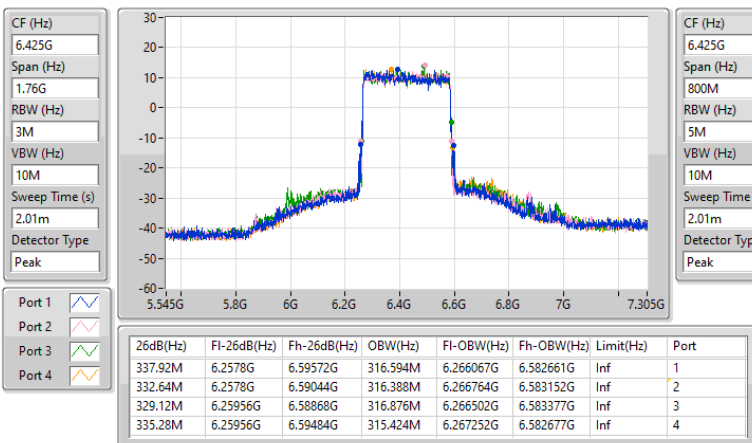


5.925-6.425GHz_802.11be EHT320_Nss1,(MCS0)_4TX

EBW

6425MHz

22/04/2024

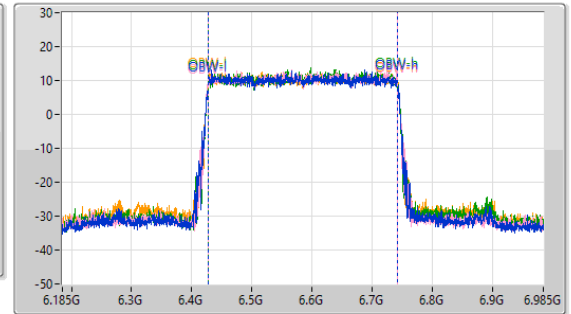
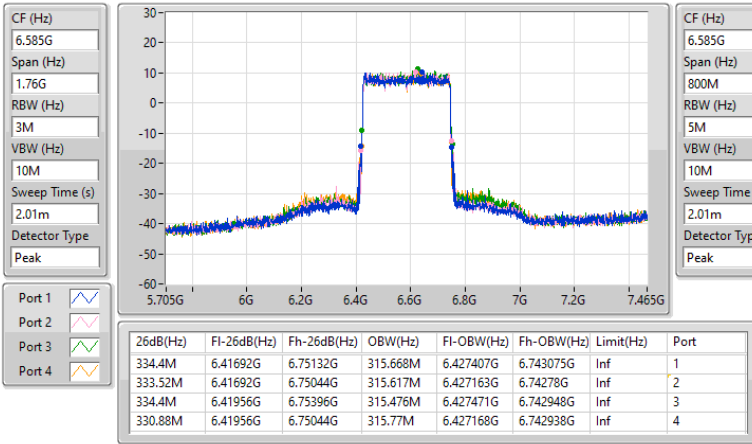


6.525-6.875GHz_802.11be EHT320_Nss1,(MCS0)_4TX

EBW

6585MHz

22/04/2024

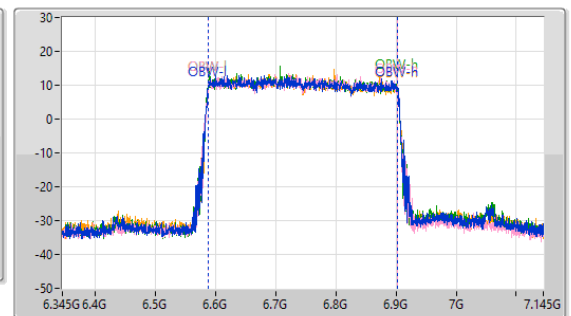
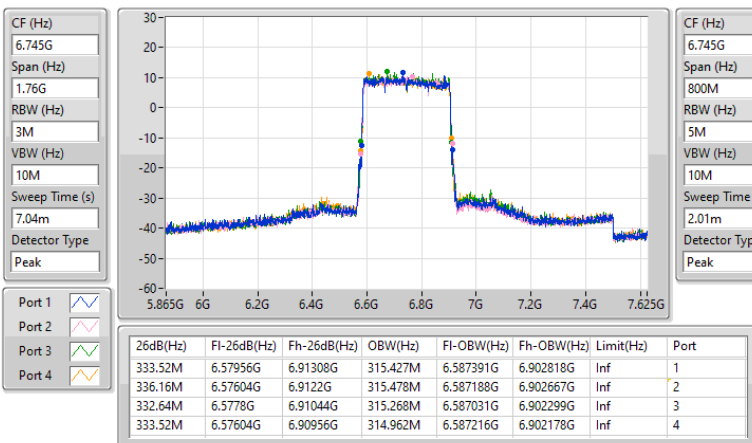


6.525-6.875GHz_802.11be EHT320_Nss1,(MCS0)_4TX

EBW

6745MHz

22/04/2024

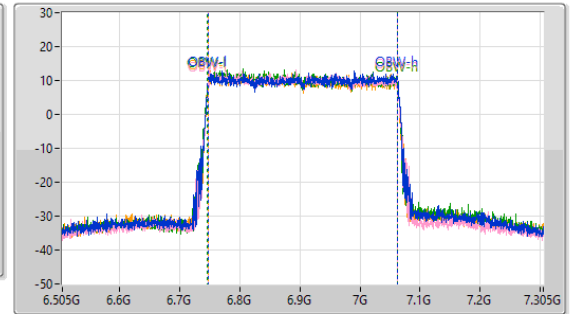
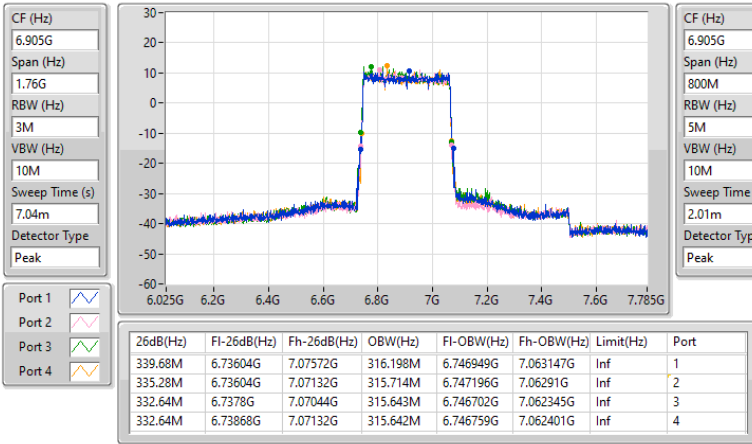


6.875-7.125GHz_802.11be EHT320_Nss1,(MCS0)_4TX

EBW

6905MHz

22/04/2024

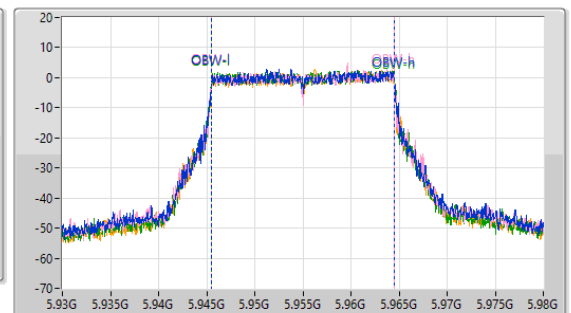
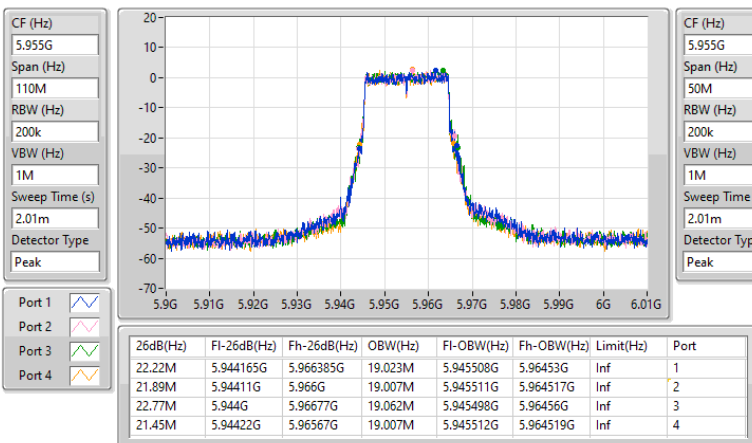


5.925-6.425GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

5955MHz

22/04/2024

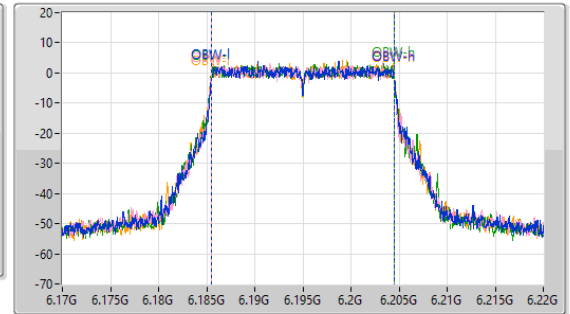
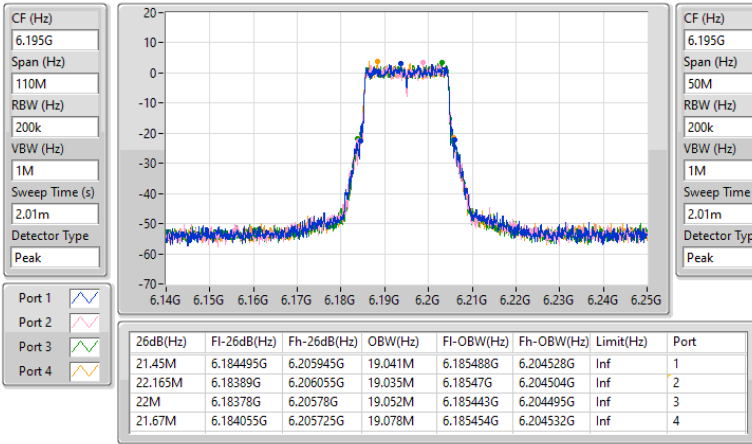


5.925-6.425GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

6195MHz

22/04/2024

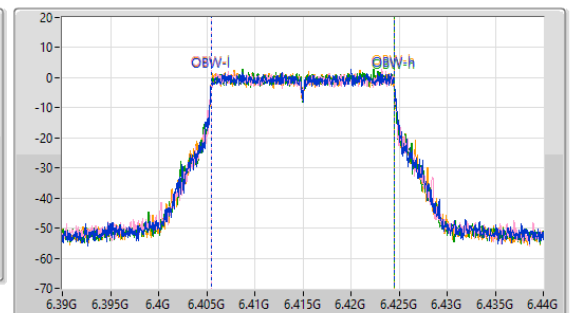
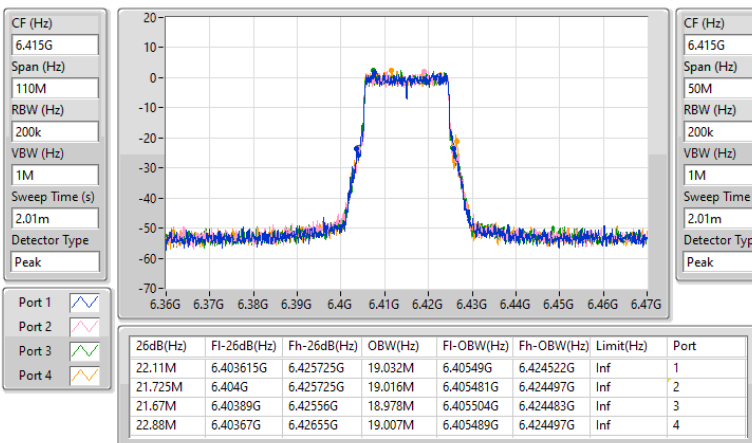


5.925-6.425GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

6415MHz

22/04/2024

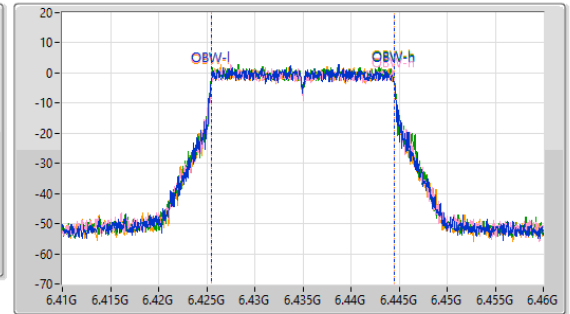
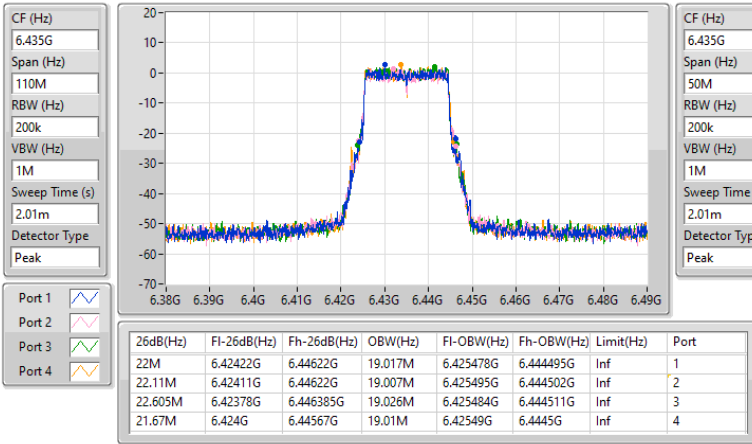


6.425-6.525GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

6435MHz

22/04/2024

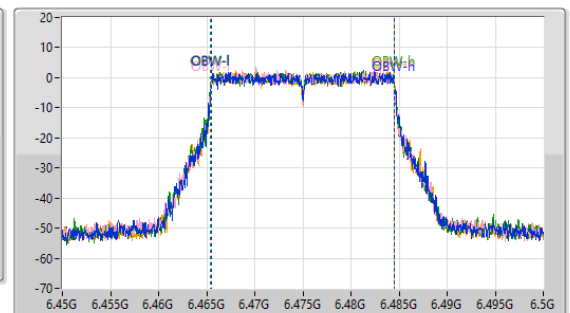
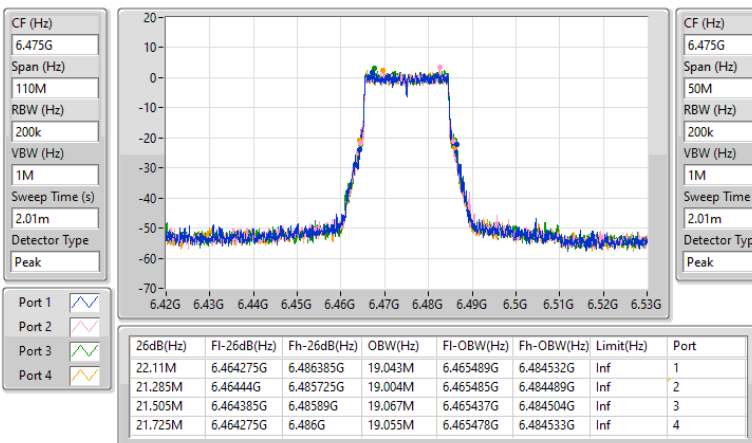


6.425-6.525GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

6475MHz

22/04/2024

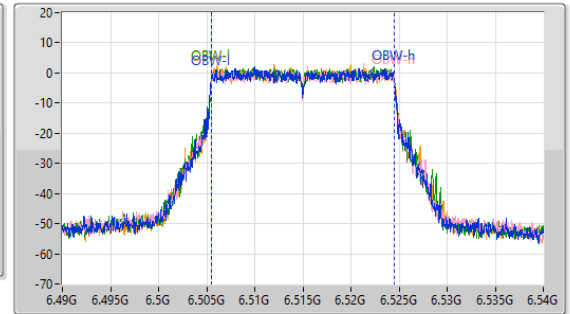
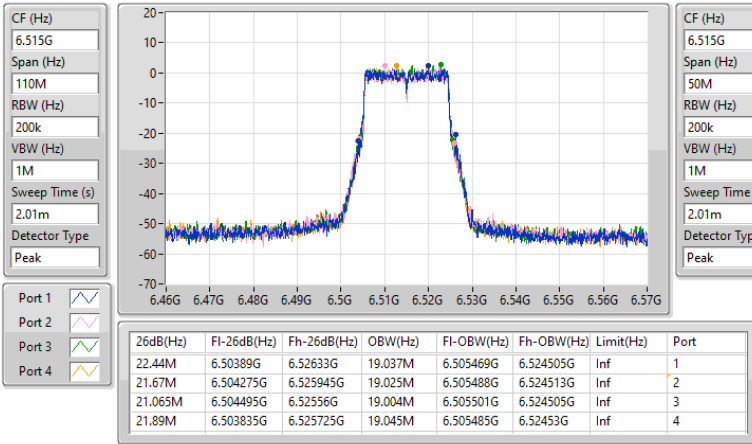


6.425-6.525GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

6515MHz

22/04/2024

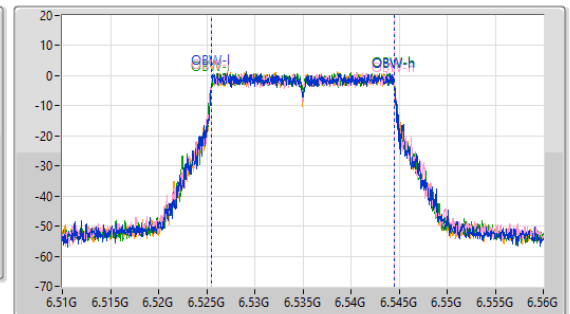
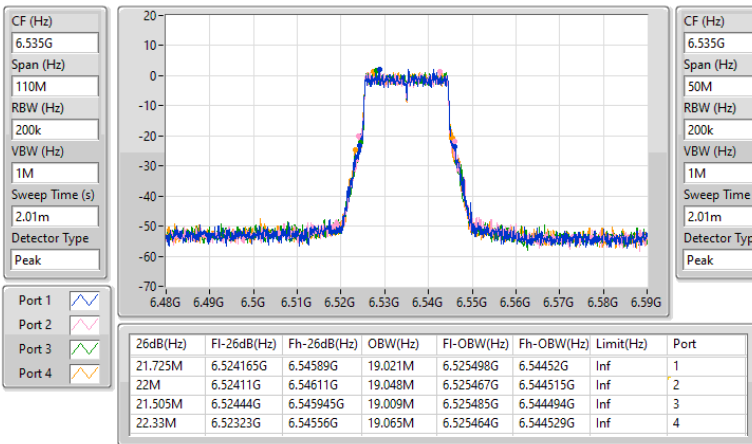


6.525-6.875GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

6535MHz

22/04/2024

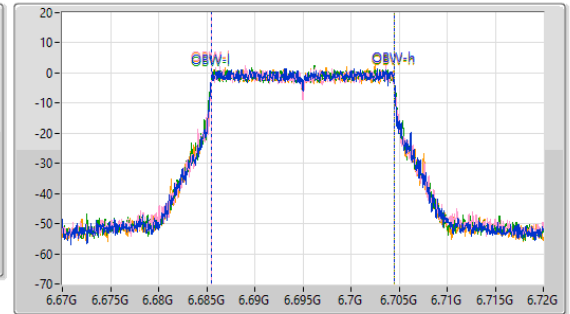
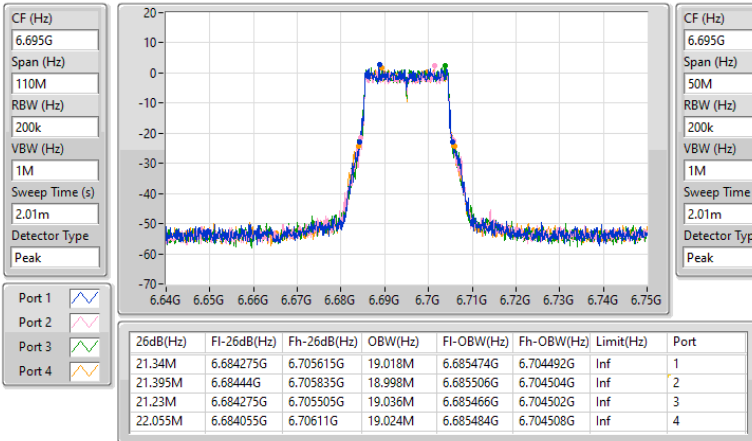


6.525-6.875GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

6695MHz

22/04/2024

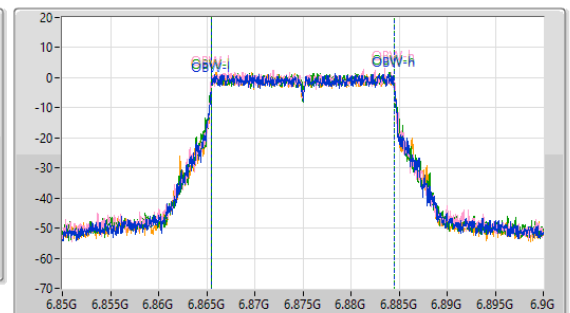
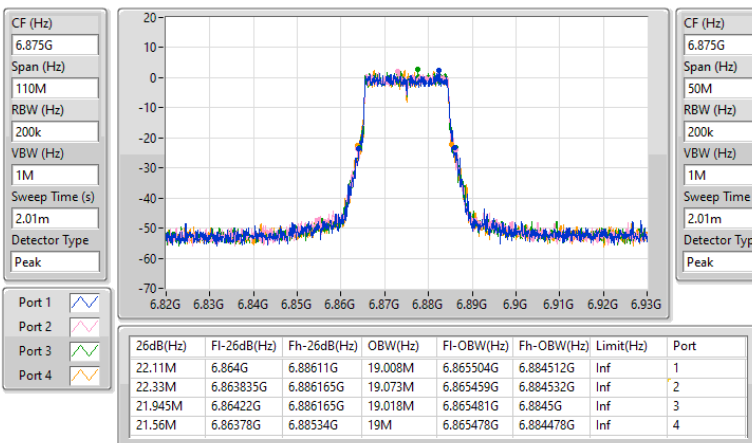


6.525-6.875GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

6875MHz

22/04/2024

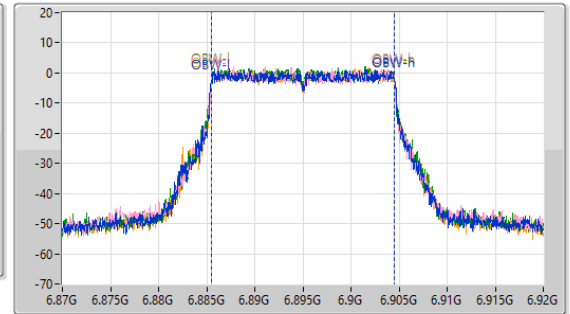
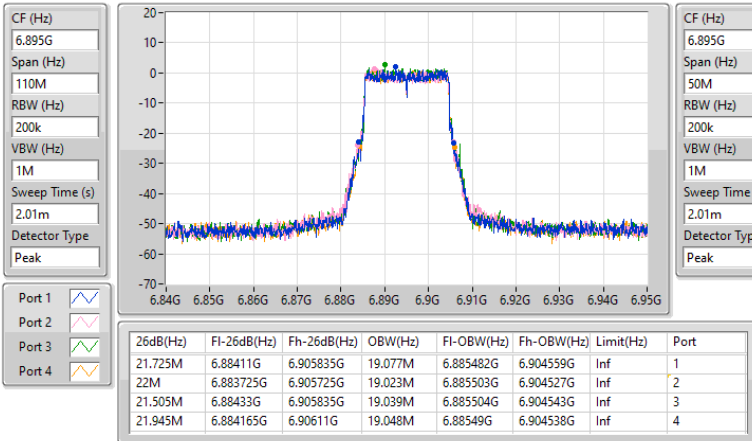


6.875-7.125GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

6895MHz

22/04/2024

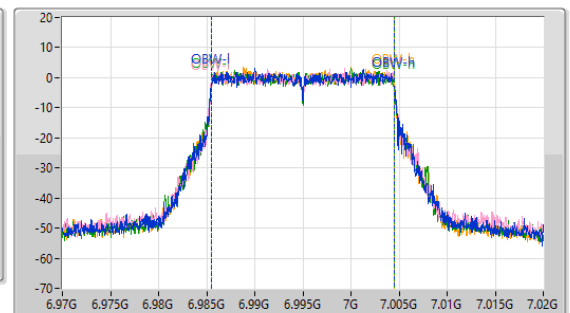
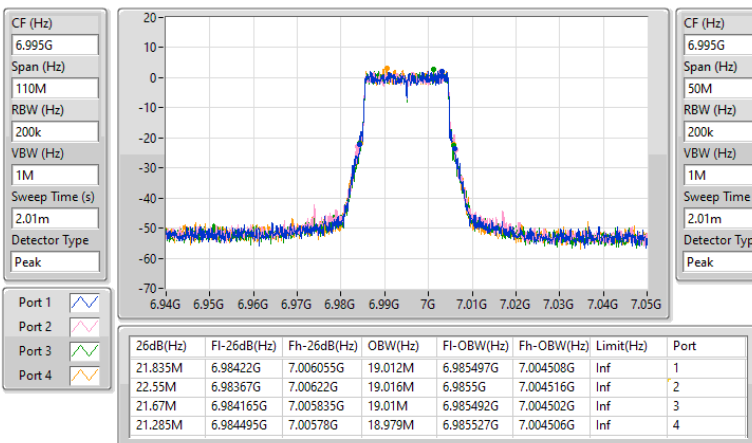


6.875-7.125GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

6995MHz

22/04/2024

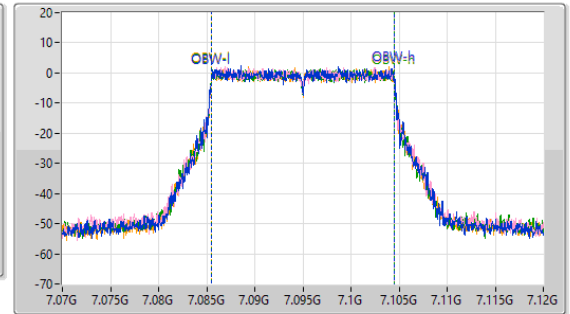
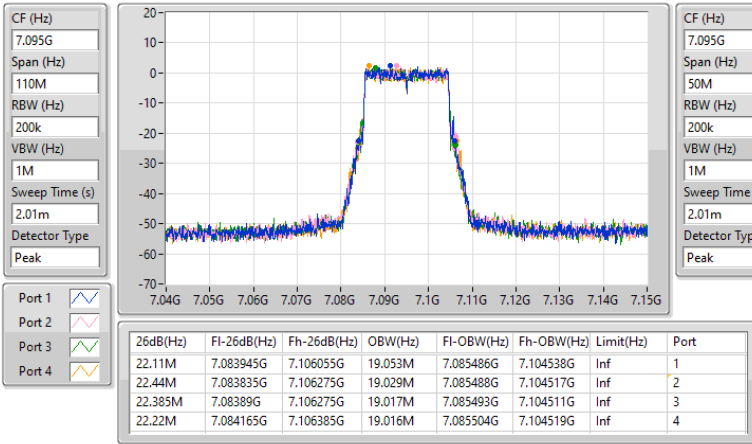


6.875-7.125GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

7095MHz

22/04/2024

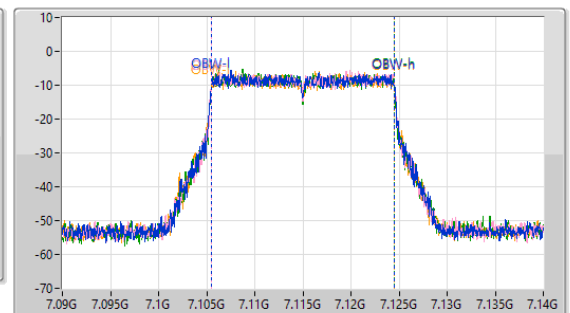
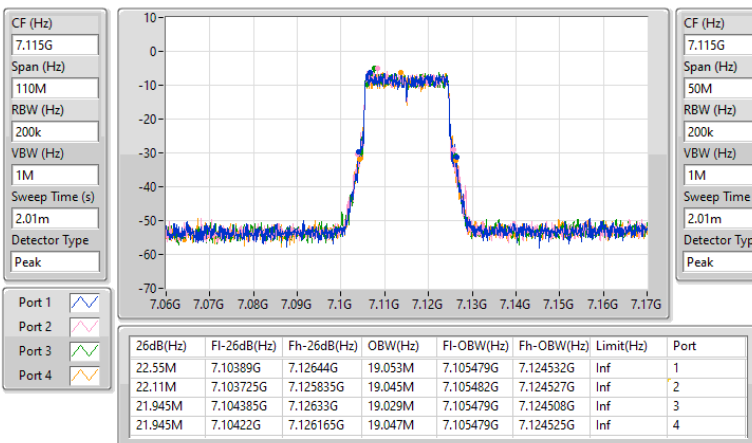


6.875-7.125GHz_802.11be EHT20_Nss4,(MCS0)_4TX

EBW

7115MHz

22/04/2024

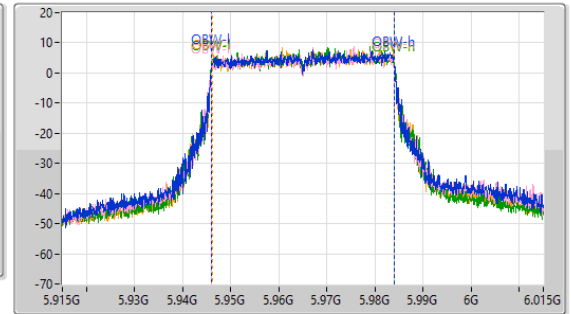
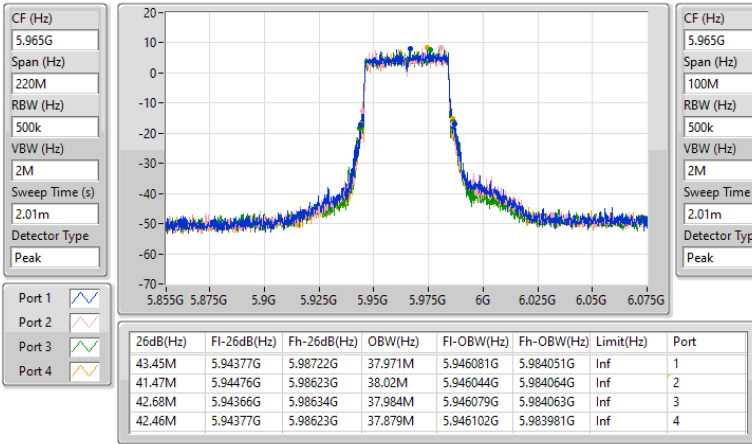


5.925-6.425GHz_802.11be EHT40_Nss4,(MCS0)_4TX

EBW

5965MHz

22/04/2024

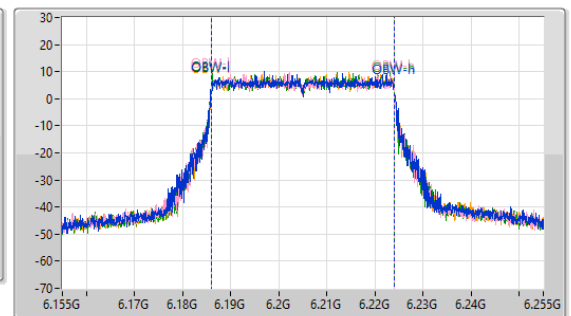
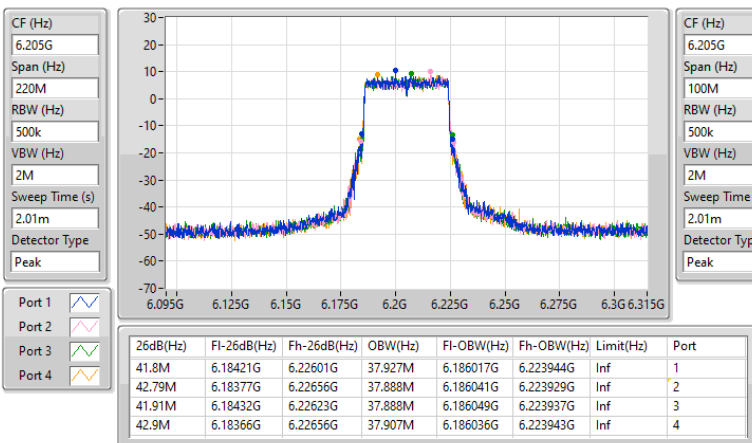


5.925-6.425GHz_802.11be EHT40_Nss4,(MCS0)_4TX

EBW

6205MHz

22/04/2024

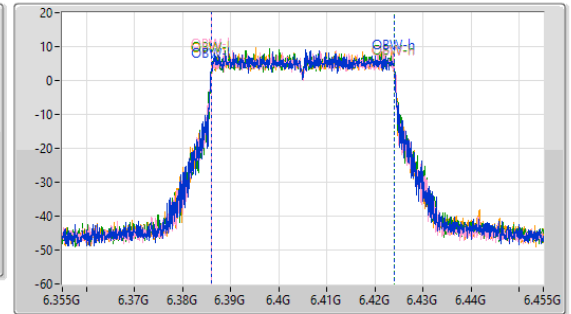
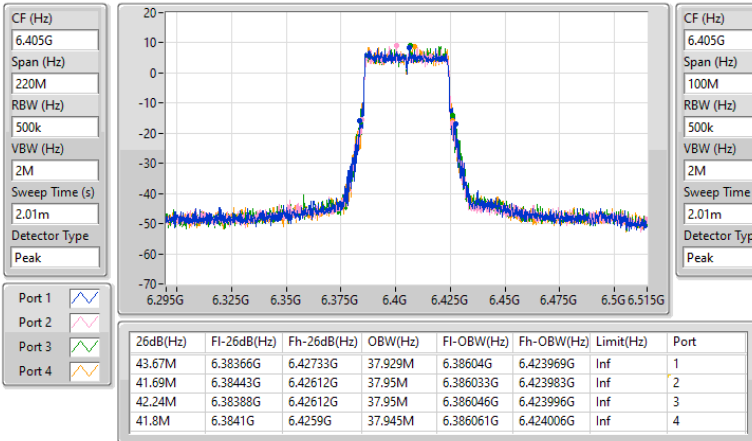


5.925-6.425GHz_802.11be EHT40_Nss4,(MCS0)_4TX

EBW

6405MHz

22/04/2024

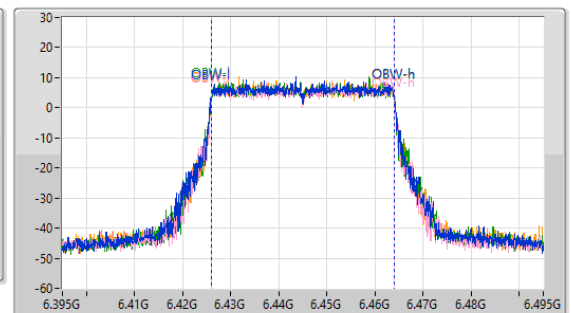
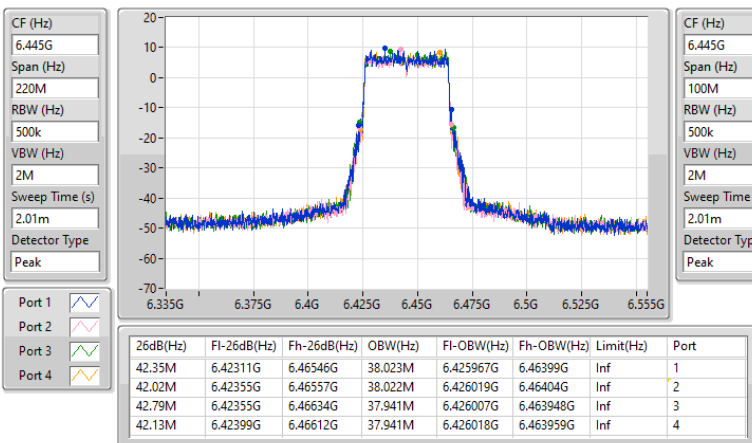


6.425-6.525GHz_802.11be EHT40_Nss4,(MCS0)_4TX

EBW

6445MHz

22/04/2024

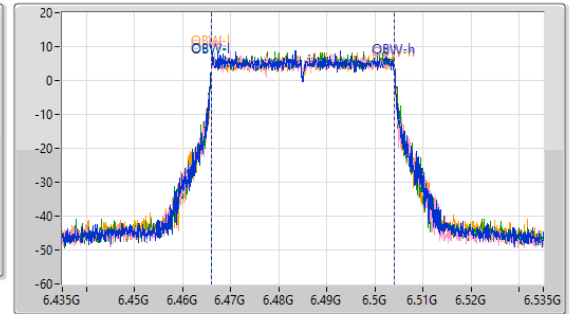
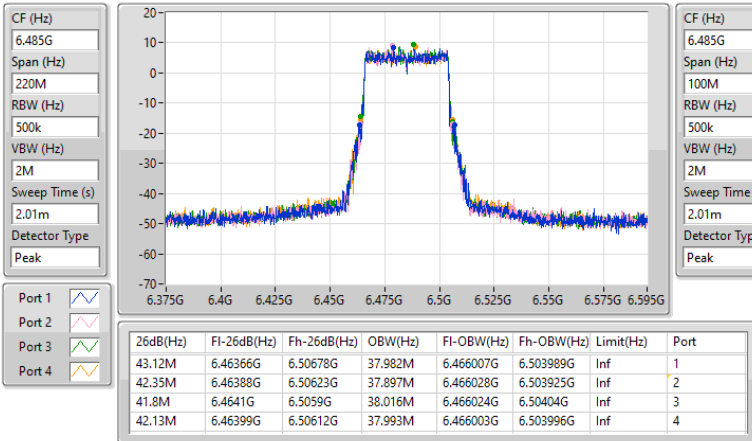


6.425-6.525GHz_802.11be EHT40_Nss4,(MCS0)_4TX

EBW

6485MHz

22/04/2024

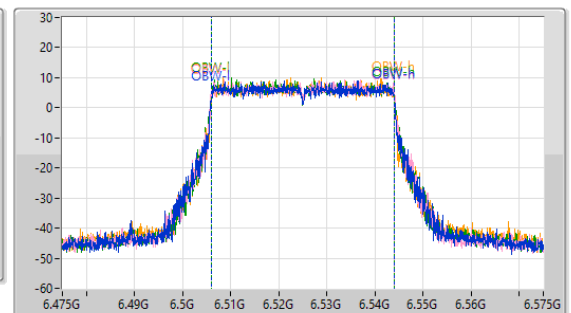
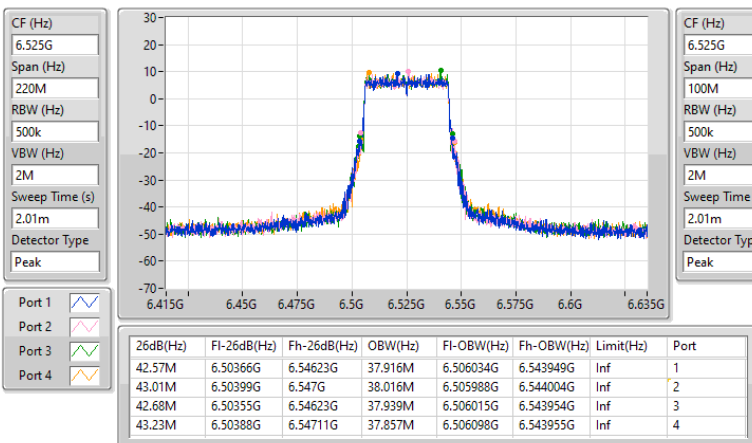


6.425-6.525GHz_802.11be EHT40_Nss4,(MCS0)_4TX

EBW

6525MHz

22/04/2024

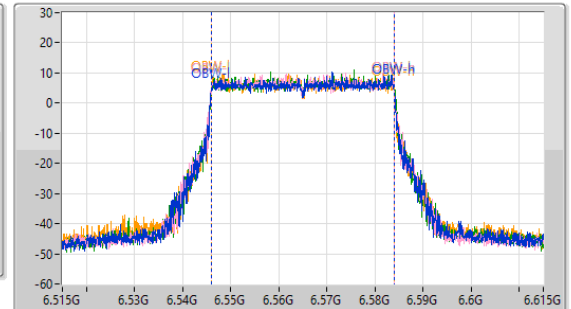
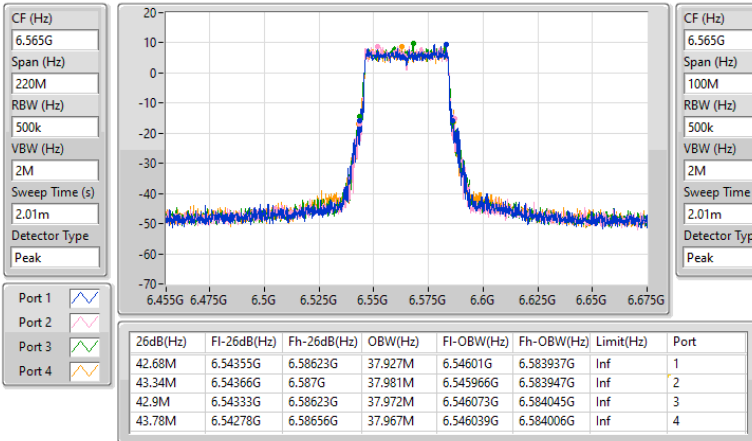


6.525-6.875GHz_802.11be EHT40_Nss4,(MCS0)_4TX

EBW

6565MHz

22/04/2024

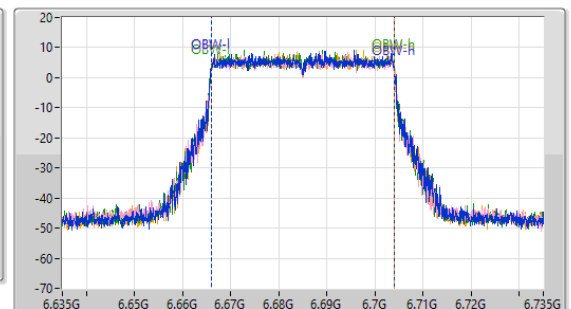
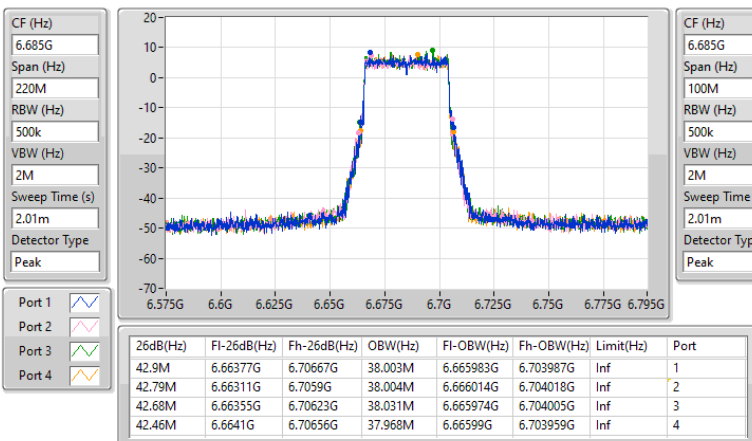


6.525-6.875GHz_802.11be EHT40_Nss4,(MCS0)_4TX

EBW

6685MHz

22/04/2024

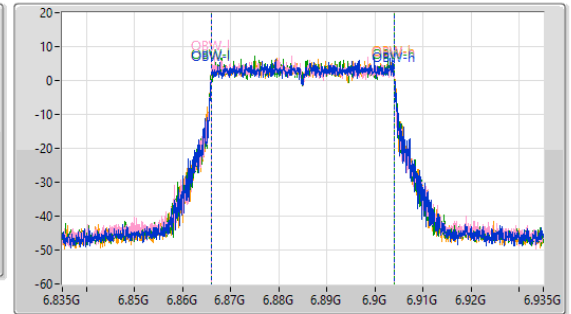
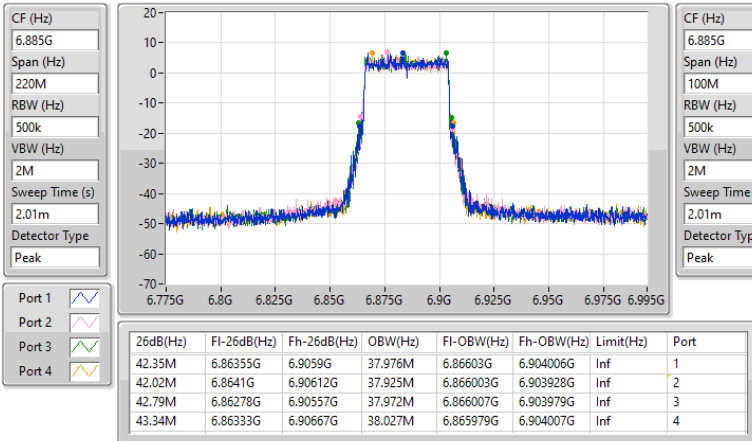


6.525-6.875GHz_802.11be EHT40_Nss4,(MCS0)_4TX

EBW

6885MHz

22/04/2024

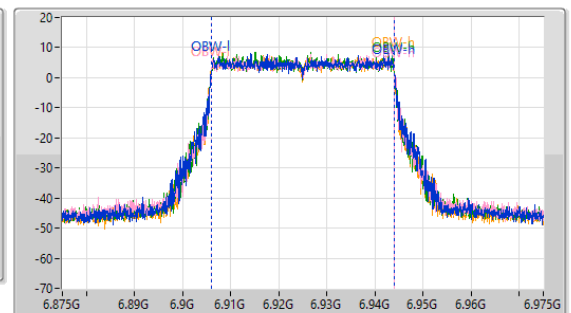
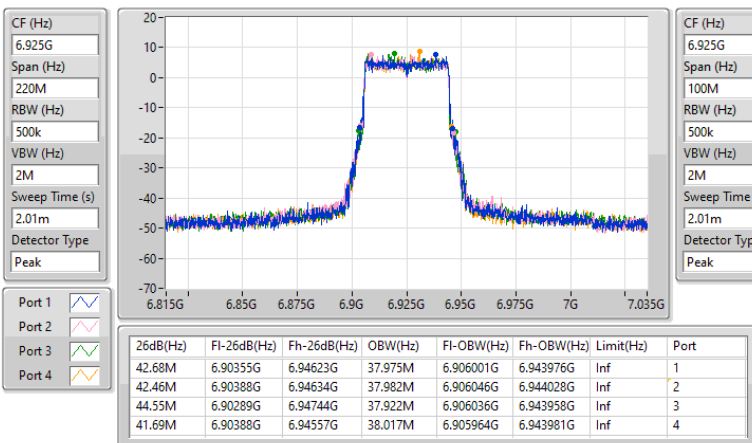


6.875-7.125GHz_802.11be EHT40_Nss4,(MCS0)_4TX

EBW

6925MHz

22/04/2024

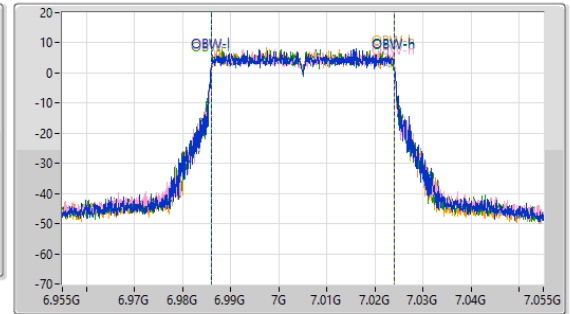
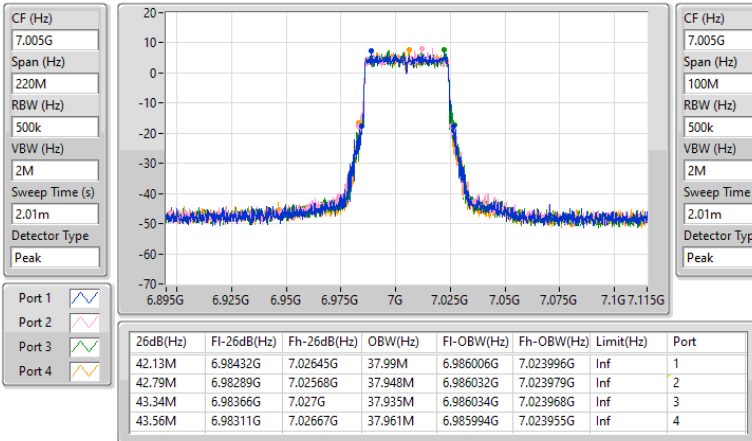


6.875-7.125GHz_802.11be EHT40_Nss4,(MCS0)_4TX

EBW

7005MHz

22/04/2024

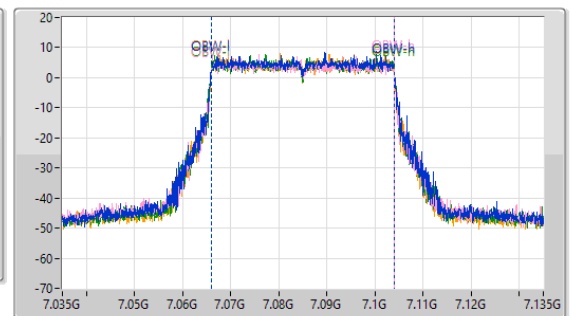
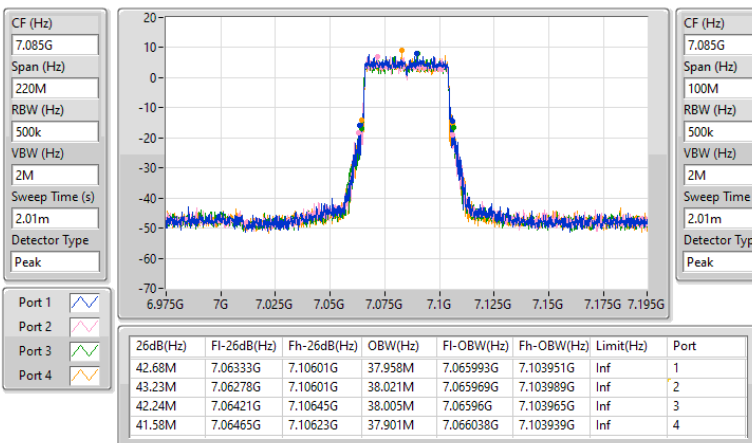


6.875-7.125GHz_802.11be EHT40_Nss4,(MCS0)_4TX

EBW

7085MHz

22/04/2024

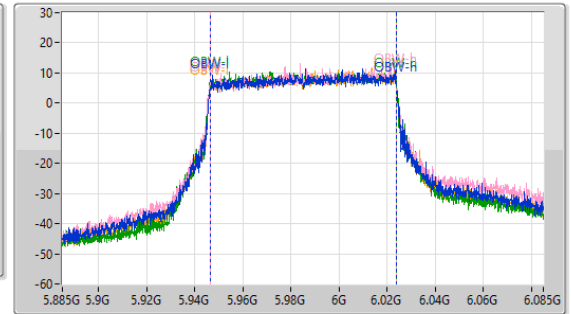
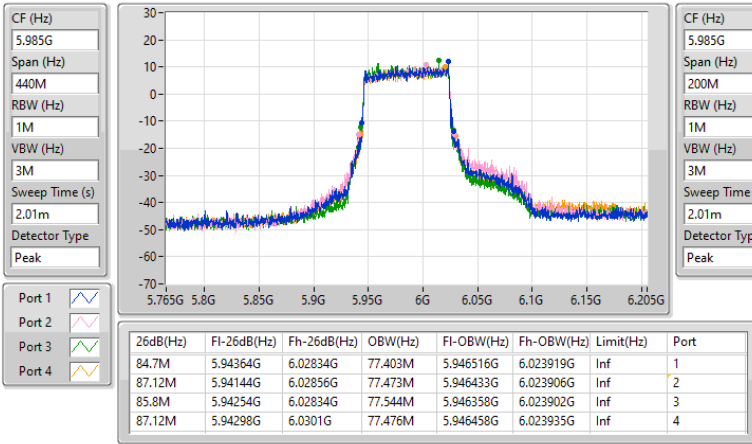


5.925-6.425GHz_802.11be EHT80_Nss4,(MCS0)_4TX

EBW

5985MHz

22/04/2024

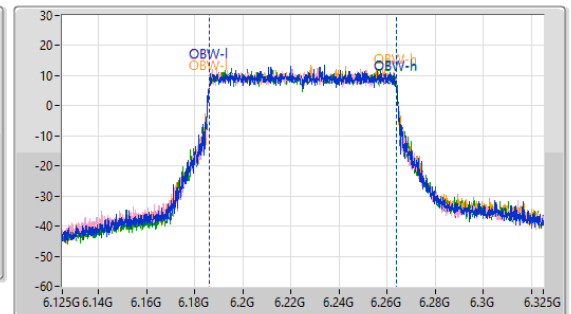
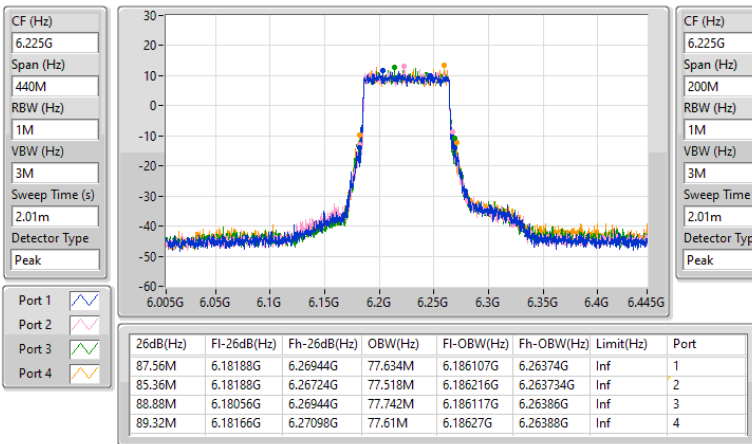


5.925-6.425GHz_802.11be EHT80_Nss4,(MCS0)_4TX

EBW

6225MHz

22/04/2024

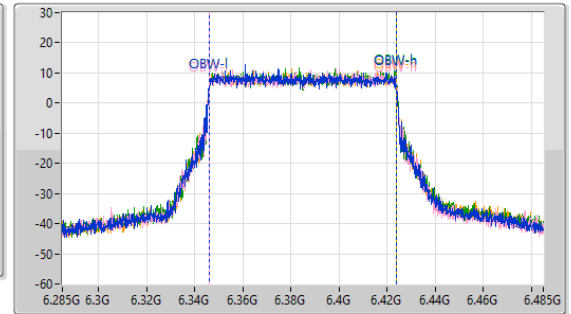
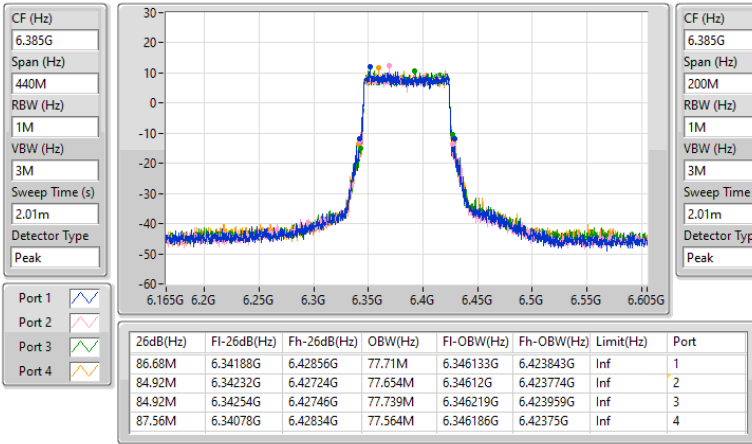


5.925-6.425GHz_802.11be EHT80_Nss4,(MCS0)_4TX

EBW

6385MHz

22/04/2024

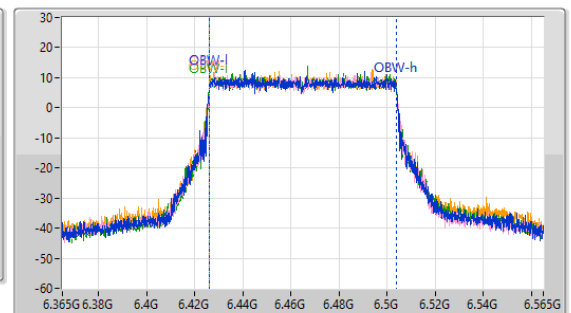
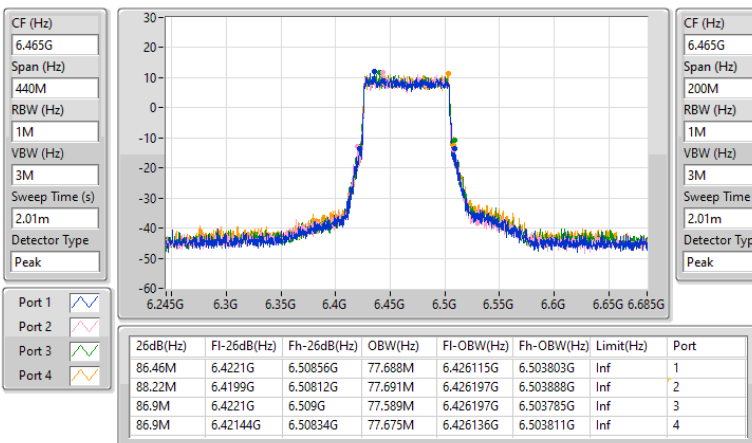


6.425-6.525GHz_802.11be EHT80_Nss4,(MCS0)_4TX

EBW

6465MHz

22/04/2024

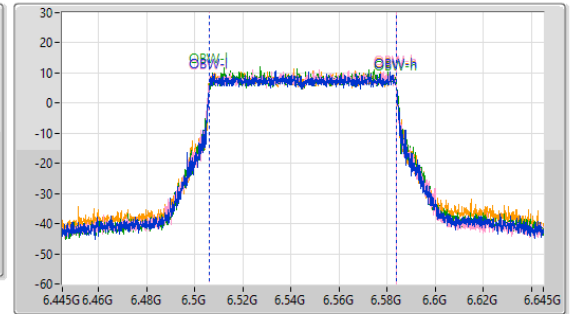
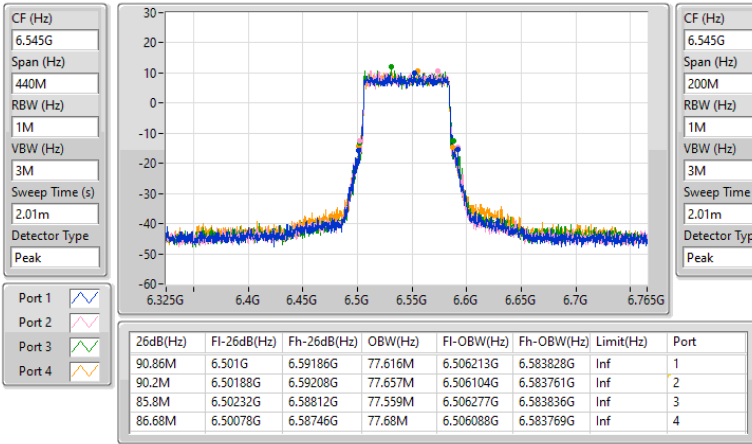


6.425-6.525GHz_802.11be EHT80_Nss4,(MCS0)_4TX

EBW

6545MHz

22/04/2024

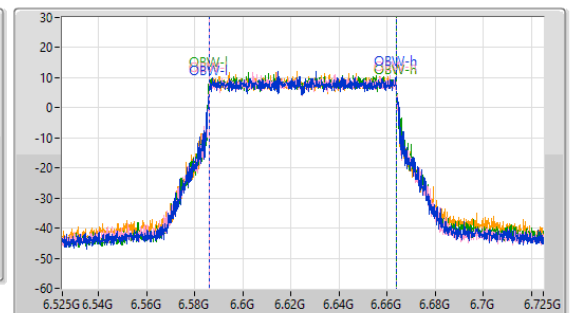
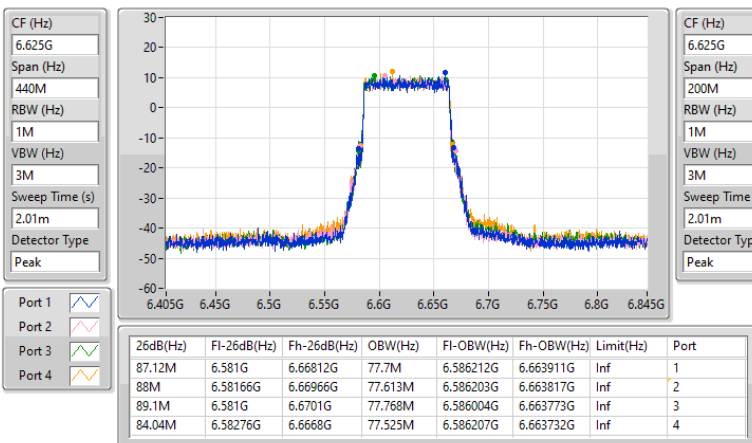


6.525-6.875GHz_802.11be EHT80_Nss4,(MCS0)_4TX

EBW

6625MHz

22/04/2024

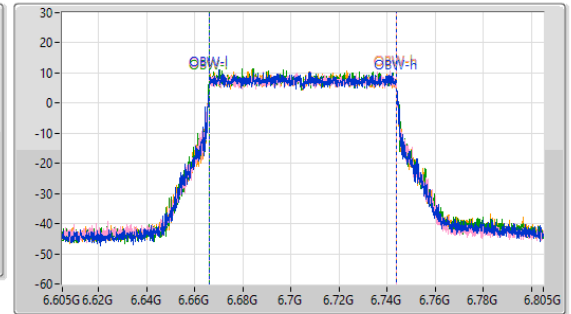
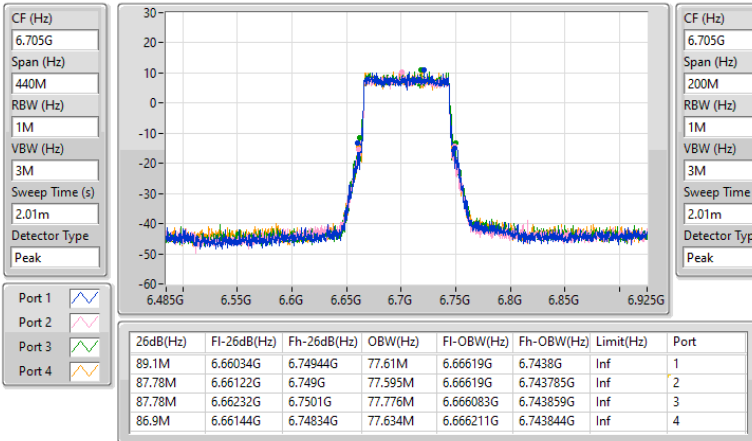


6.525-6.875GHz_802.11be EHT80_Nss4,(MCS0)_4TX

EBW

6705MHz

22/04/2024

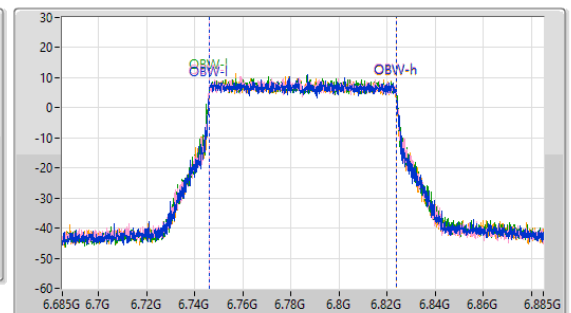
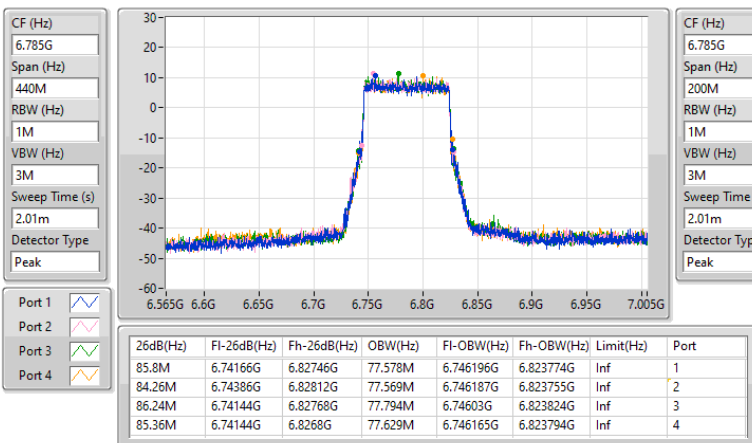


6.525-6.875GHz_802.11be EHT80_Nss4,(MCS0)_4TX

EBW

6785MHz

22/04/2024

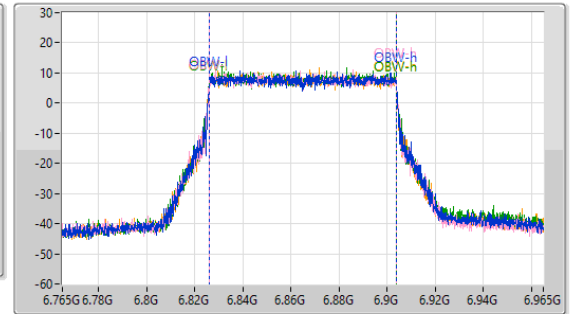
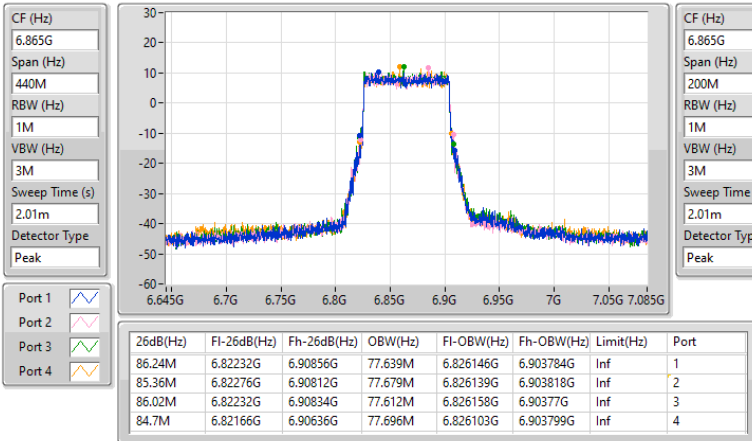


6.525-6.875GHz_802.11be EHT80_Nss4,(MCS0)_4TX

EBW

6865MHz

22/04/2024

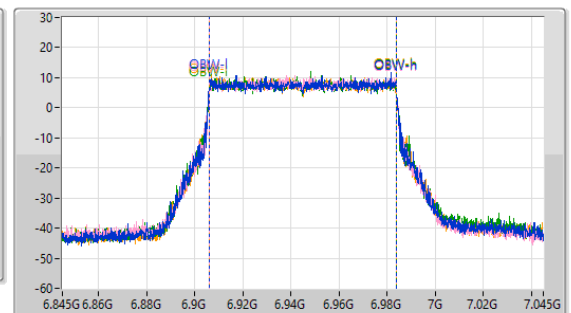
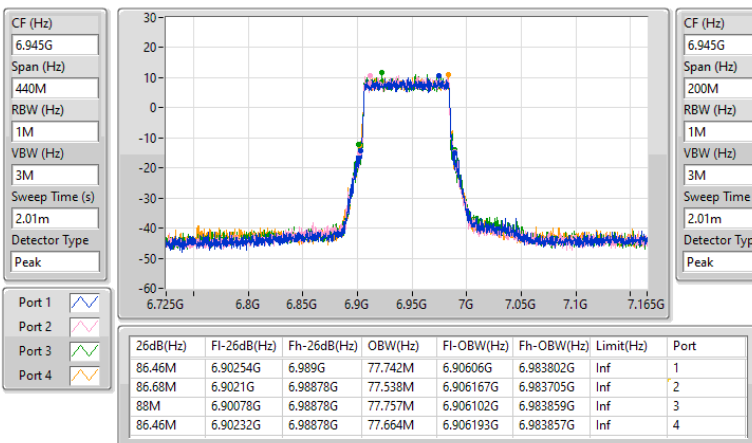


6.875-7.125GHz_802.11be EHT80_Nss4,(MCS0)_4TX

EBW

6945MHz

22/04/2024

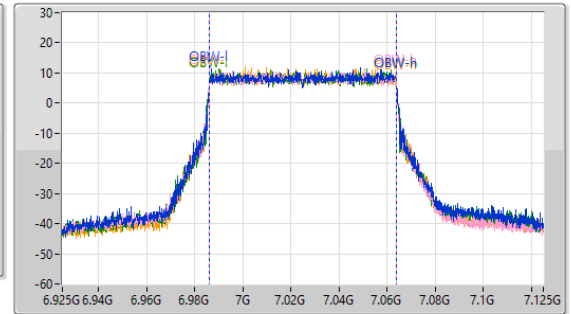
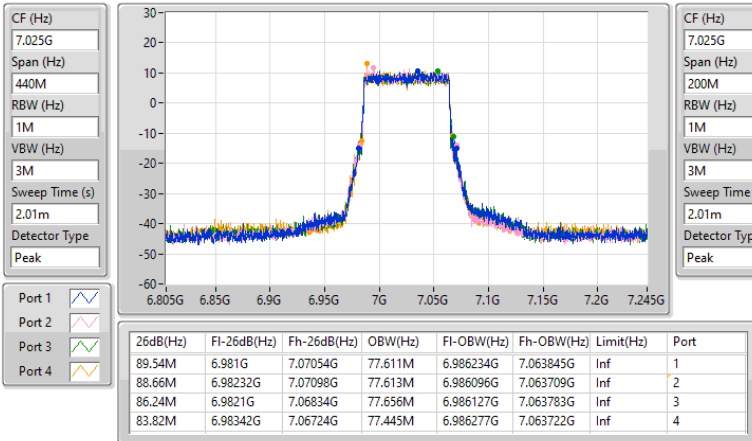


6.875-7.125GHz_802.11be EHT80_Nss4,(MCS0)_4TX

EBW

7025MHz

22/04/2024

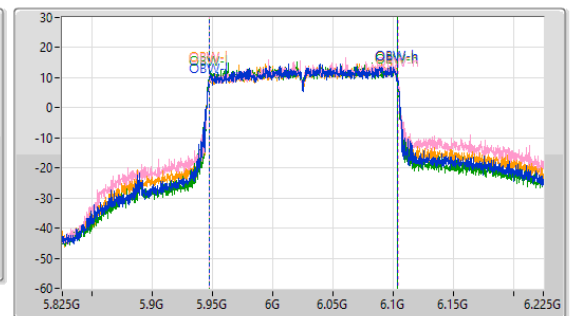
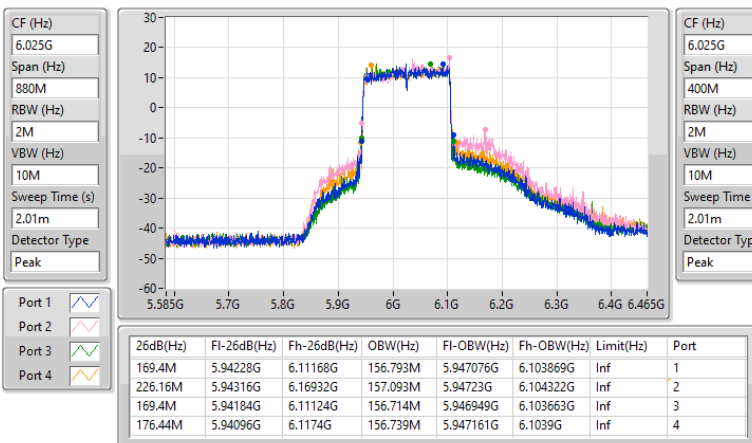


5.925-6.425GHz_802.11be EHT160_Nss4,(MCS0)_4TX

EBW

6025MHz

22/04/2024

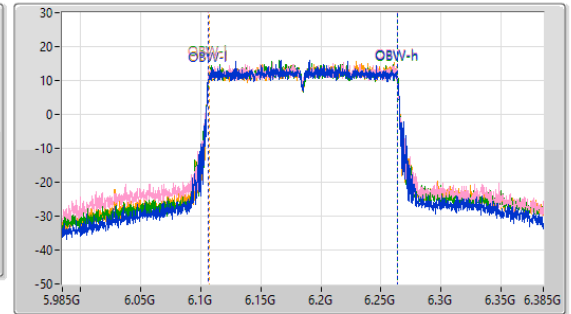
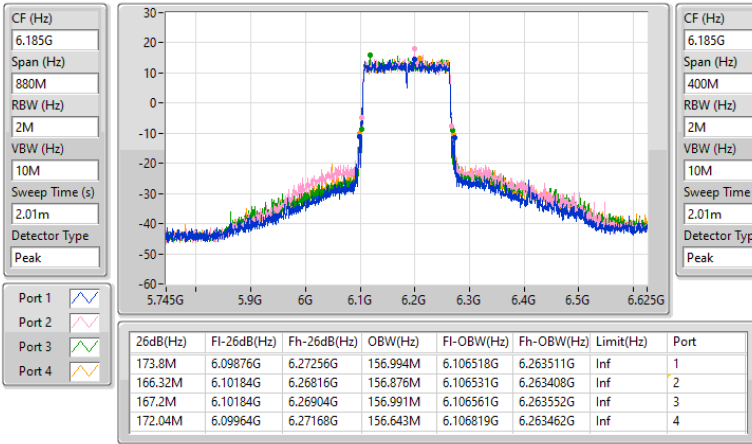


5.925-6.425GHz_802.11be EHT160_Nss4,(MCS0)_4TX

EBW

6185MHz

22/04/2024

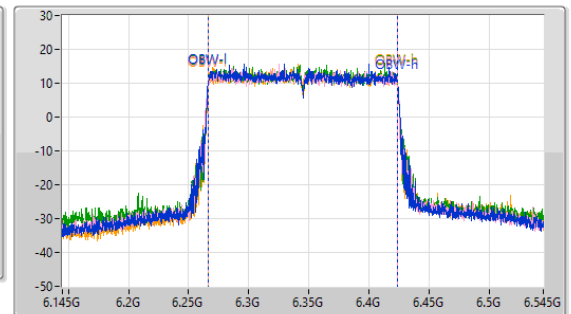
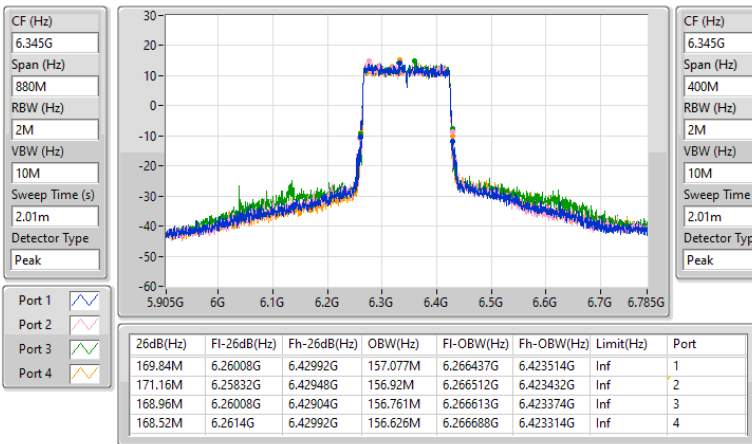


5.925-6.425GHz_802.11be EHT160_Nss4,(MCS0)_4TX

EBW

6345MHz

22/04/2024

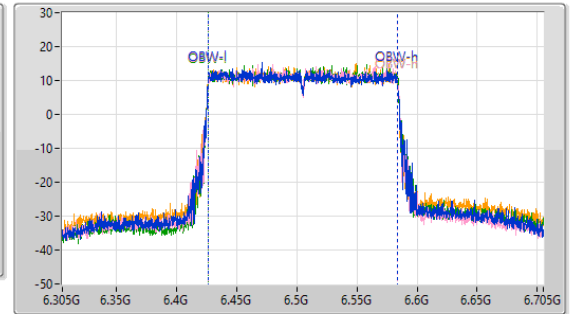
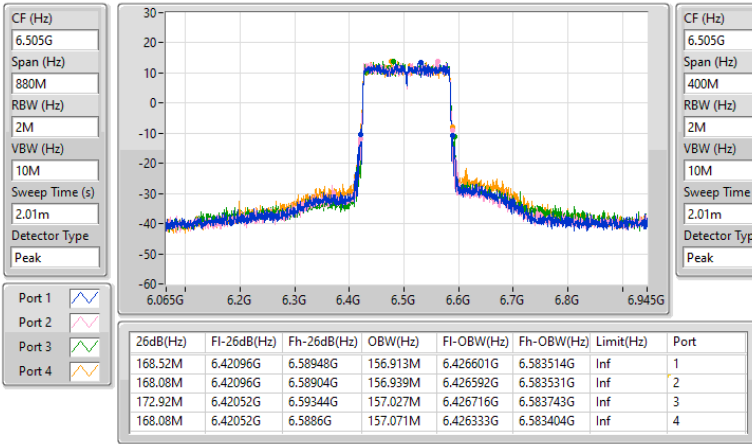


6.425-6.525GHz_802.11be EHT160_Nss4,(MCS0)_4TX

EBW

6505MHz

22/04/2024

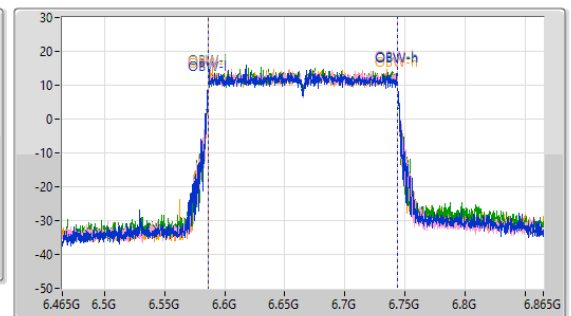
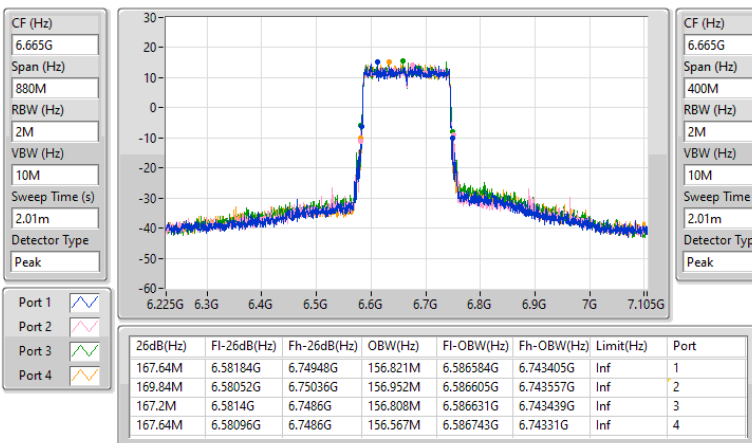


6.525-6.875GHz_802.11be EHT160_Nss4,(MCS0)_4TX

EBW

6665MHz

22/04/2024

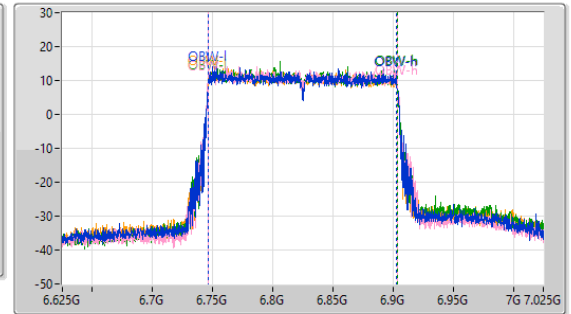
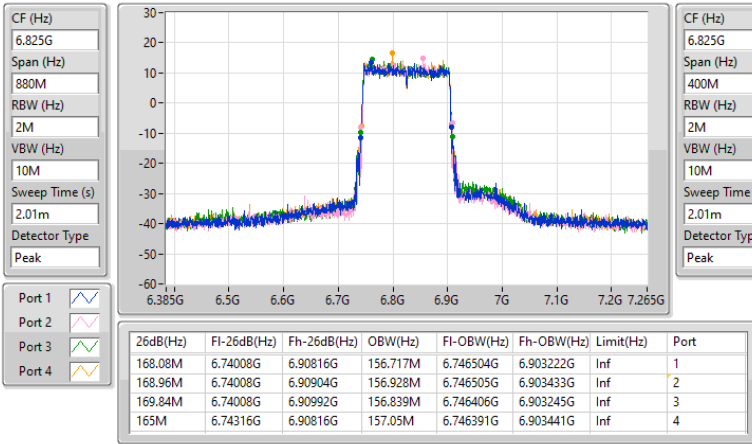


6.525-6.875GHz_802.11be EHT160_Nss4,(MCS0)_4TX

EBW

6825MHz

22/04/2024

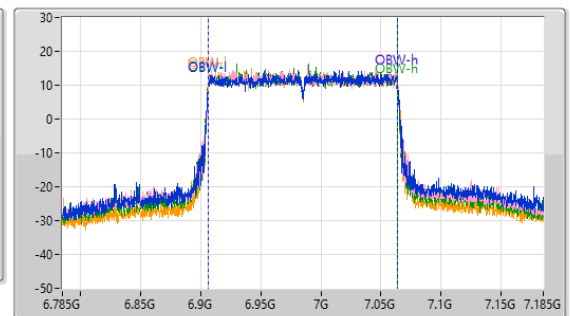
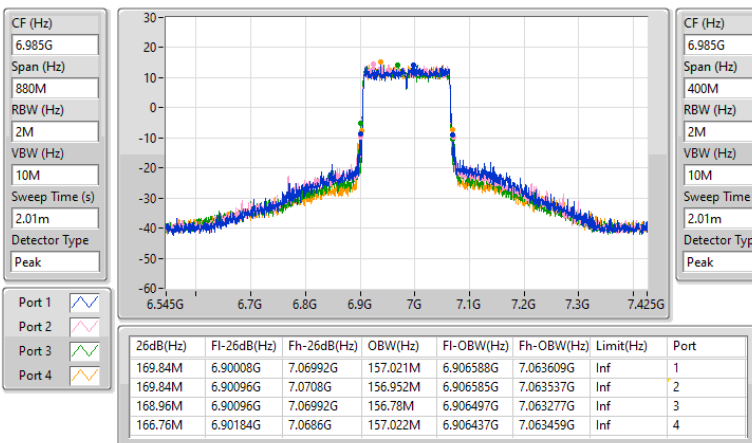


6.875-7.125GHz_802.11be EHT160_Nss4,(MCS0)_4TX

EBW

6985MHz

22/04/2024

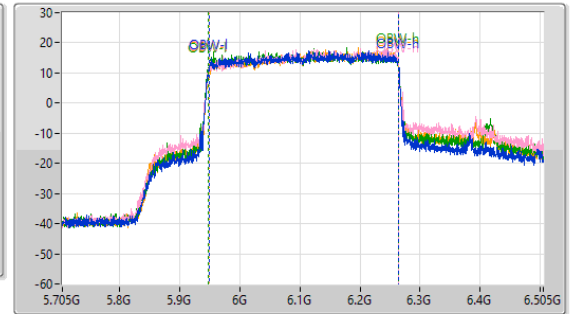
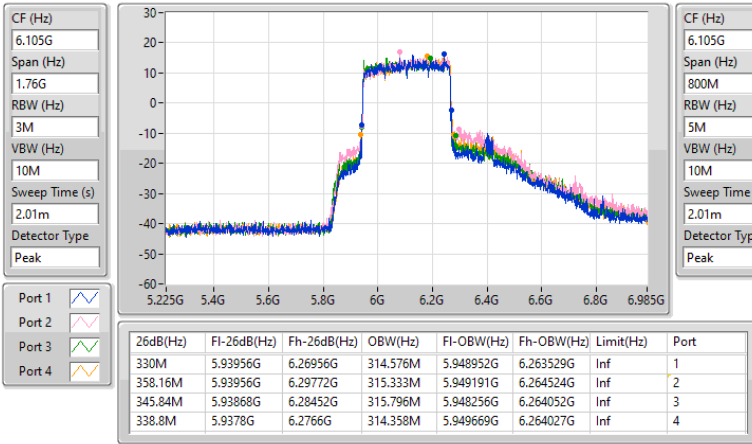


5.925-6.425GHz_802.11be EHT320_Nss4,(MCS0)_4TX

EBW

6105MHz

22/04/2024

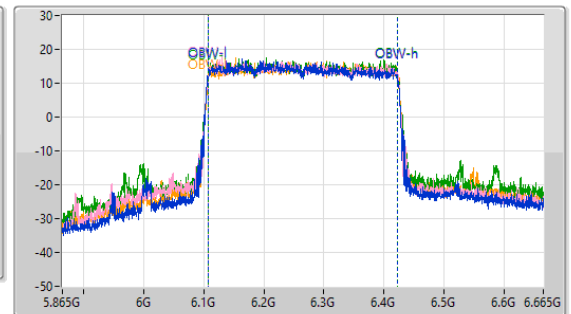
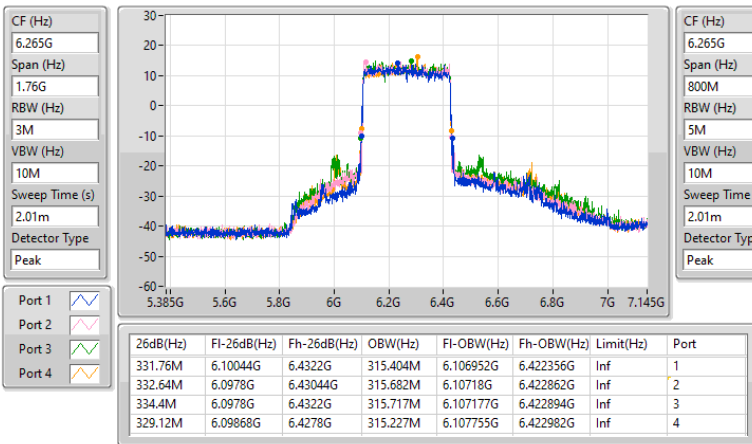


5.925-6.425GHz_802.11be EHT320_Nss4,(MCS0)_4TX

EBW

6265MHz

22/04/2024

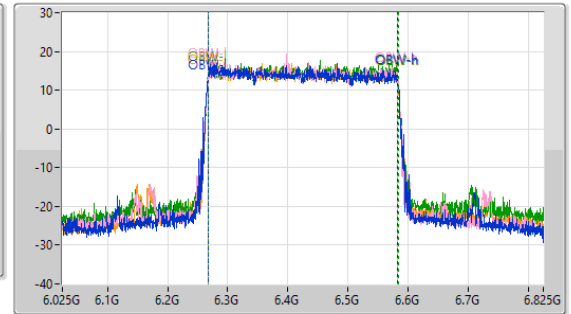
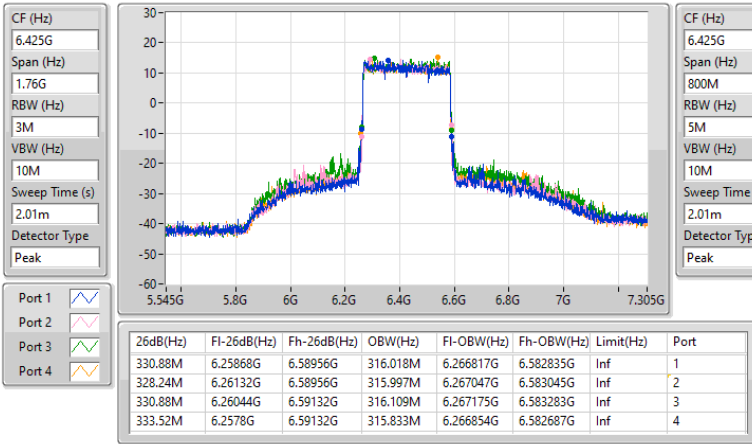


5.925-6.425GHz_802.11be EHT320_Nss4,(MCS0)_4TX

EBW

6425MHz

22/04/2024

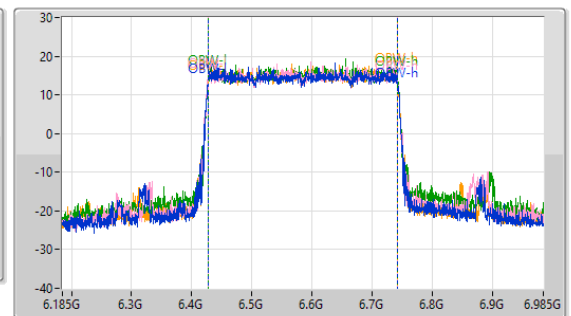
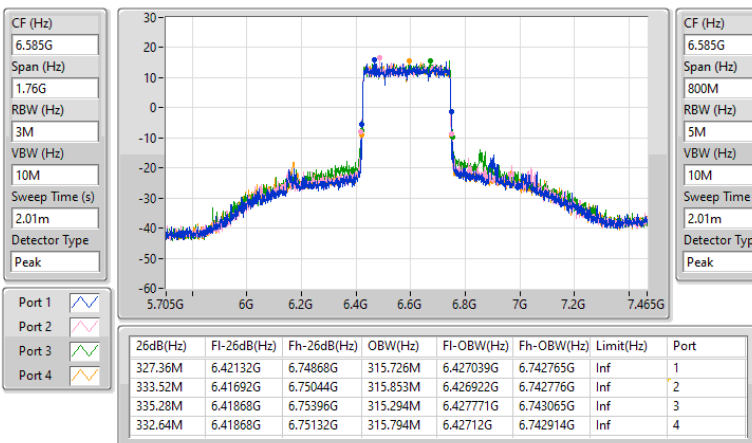


6.525-6.875GHz_802.11be EHT320_Nss4,(MCS0)_4TX

EBW

6585MHz

22/04/2024

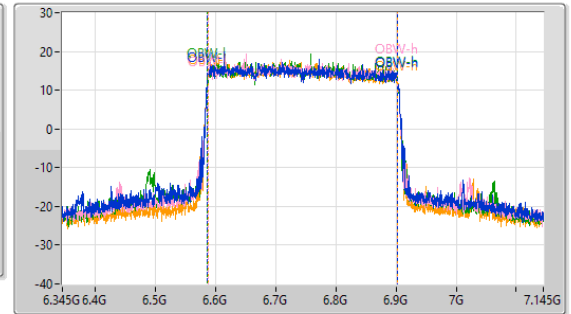
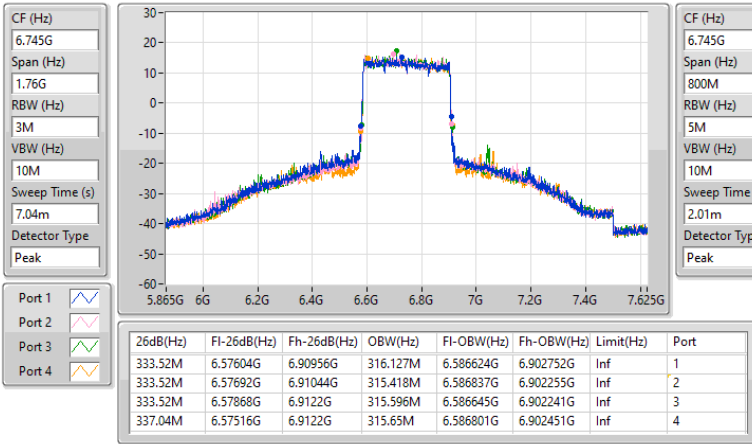


6.525-6.875GHz_802.11be EHT320_Nss4,(MCS0)_4TX

EBW

6745MHz

22/04/2024

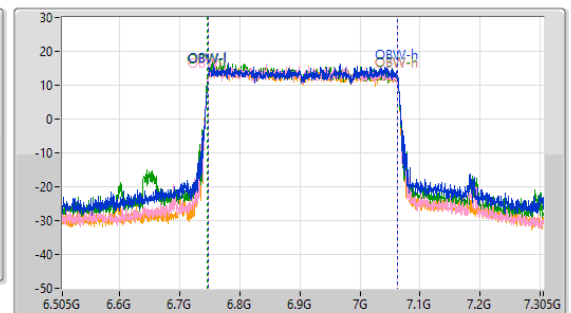
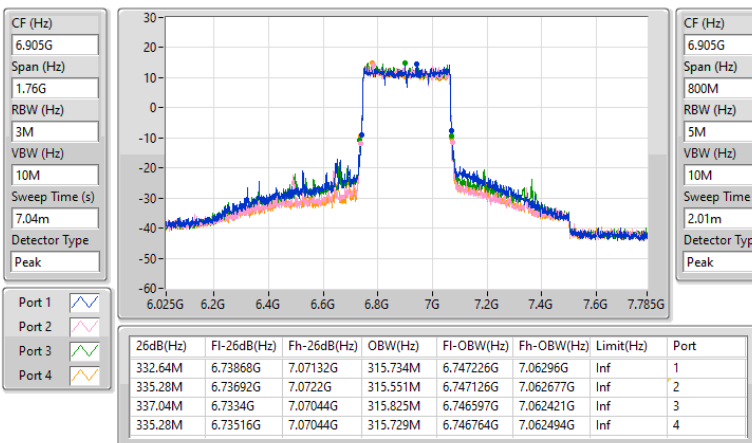


6.875-7.125GHz_802.11be EHT320_Nss4,(MCS0)_4TX

EBW

6905MHz

22/04/2024



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_4TX	22.55M	19.146M	19M1D1D	20.625M	18.921M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	43.78M	38.463M	38M5D1D	40.48M	37.73M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	90.42M	77.739M	77M7D1D	85.36M	77.486M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	173.36M	157.471M	157MD1D	165M	156.014M
802.11be EHT320-BF_Nss1,(MCS0)_4TX	334.4M	316.434M	316MD1D	328.24M	313.811M
6.425-6.525GHz	-	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_4TX	23.045M	19.097M	19M1D1D	20.9M	18.961M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	43.67M	38.262M	38M3D1D	40.37M	37.809M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	90.42M	78.058M	78M1D1D	82.5M	77.166M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	173.36M	157.178M	157MD1D	168.08M	156.904M
6.525-6.875GHz	-	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_4TX	22.66M	19.089M	19M1D1D	20.955M	18.946M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	44.44M	38.112M	38M1D1D	41.69M	37.735M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	91.3M	77.915M	77M9D1D	85.36M	77.133M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	171.16M	157.022M	157MD1D	162.8M	156.389M
802.11be EHT320-BF_Nss1,(MCS0)_4TX	337.04M	316.297M	316MD1D	329.12M	314.369M
6.875-7.125GHz	-	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_4TX	23.045M	19.129M	19M1D1D	20.955M	18.93M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	43.67M	38.083M	38M1D1D	42.02M	37.828M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	89.1M	77.745M	77M7D1D	83.16M	77.246M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	168.96M	156.993M	157MD1D	165.44M	156.31M
802.11be EHT320-BF_Nss1,(MCS0)_4TX	337.92M	316.681M	317MD1D	333.52M	315.096M

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)
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	21.835M	18.921M	22M	19.043M	21.285M	18.924M	21.01M	19.146M
6195MHz	Pass	Inf	22.44M	19.012M	22.55M	19.049M	22.22M	19.074M	21.835M	19.029M
6415MHz	Pass	Inf	21.89M	18.98M	20.625M	19.073M	21.725M	19.051M	22.275M	19.057M
6435MHz	Pass	Inf	20.9M	18.996M	21.505M	19.043M	22M	19.003M	21.285M	19.036M
6475MHz	Pass	Inf	21.23M	19.011M	22.715M	19.097M	23.045M	19.04M	21.56M	19.019M
6515MHz	Pass	Inf	22.055M	18.961M	22.55M	19.044M	21.175M	19.067M	21.56M	19.05M
6535MHz	Pass	Inf	22.275M	18.946M	21.89M	18.995M	22.33M	18.994M	20.955M	18.973M
6695MHz	Pass	Inf	21.23M	18.985M	22.33M	19.073M	21.395M	19.021M	22.55M	19.089M
6875MHz	Pass	Inf	22.385M	19.01M	22.66M	19.017M	21.505M	19.088M	21.78M	19.049M
6895MHz	Pass	Inf	20.955M	18.983M	21.505M	19.031M	21.395M	19.016M	21.725M	19.095M
6995MHz	Pass	Inf	21.945M	19.014M	22M	19.116M	21.615M	18.972M	21.89M	19.077M
7095MHz	Pass	Inf	22.22M	18.93M	22.165M	19.085M	21.67M	19.036M	21.835M	19.006M
7115MHz	Pass	Inf	22.22M	19.045M	22.385M	19.129M	22.715M	19.06M	23.045M	19.073M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	40.48M	37.906M	41.91M	38.303M	42.02M	38.294M	43.01M	38.463M
6205MHz	Pass	Inf	41.91M	37.73M	42.46M	38.048M	43.78M	37.895M	42.13M	37.954M
6405MHz	Pass	Inf	42.46M	38.046M	43.56M	38.015M	43.01M	37.92M	42.57M	37.948M
6445MHz	Pass	Inf	42.24M	37.907M	43.56M	37.986M	43.12M	37.926M	42.24M	37.962M
6485MHz	Pass	Inf	40.37M	38.262M	43.67M	37.965M	41.47M	38.057M	43.01M	37.859M
6525MHz	Pass	Inf	41.69M	37.96M	43.01M	37.931M	43.01M	37.846M	42.24M	37.809M
6565MHz	Pass	Inf	41.69M	37.831M	43.78M	37.963M	43.34M	37.919M	42.57M	38.061M
6685MHz	Pass	Inf	42.57M	37.735M	44.44M	38.018M	43.34M	38.052M	43.89M	37.927M
6885MHz	Pass	Inf	42.24M	37.865M	44.33M	38.112M	43.34M	37.99M	43.12M	37.894M
6925MHz	Pass	Inf	42.02M	37.828M	43.23M	38.028M	42.68M	37.969M	42.9M	37.967M
7005MHz	Pass	Inf	42.46M	37.944M	42.46M	38.001M	43.01M	37.891M	43.67M	38.023M
7085MHz	Pass	Inf	43.01M	37.988M	42.68M	38.083M	43.56M	38.078M	42.9M	38.009M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	85.36M	77.486M	85.58M	77.566M	86.24M	77.595M	87.12M	77.531M
6225MHz	Pass	Inf	86.24M	77.718M	90.42M	77.517M	86.02M	77.694M	88.66M	77.575M
6385MHz	Pass	Inf	86.24M	77.732M	88.44M	77.739M	87.78M	77.643M	87.56M	77.672M
6465MHz	Pass	Inf	90.42M	77.506M	82.5M	77.464M	86.24M	78.058M	85.8M	77.166M
6545MHz	Pass	Inf	86.46M	77.678M	89.32M	77.85M	83.82M	77.395M	86.68M	77.641M
6625MHz	Pass	Inf	90.42M	77.589M	91.3M	77.664M	87.34M	77.58M	89.32M	77.497M
6705MHz	Pass	Inf	87.12M	77.133M	86.24M	77.67M	87.56M	77.487M	85.36M	77.869M
6785MHz	Pass	Inf	88.22M	77.495M	88M	77.727M	88.66M	77.915M	88M	77.677M
6865MHz	Pass	Inf	85.36M	77.382M	88.88M	77.608M	87.12M	77.455M	85.36M	77.317M
6945MHz	Pass	Inf	89.1M	77.745M	83.16M	77.58M	83.16M	77.246M	86.02M	77.674M
7025MHz	Pass	Inf	84.48M	77.424M	84.7M	77.596M	86.46M	77.572M	88.66M	77.589M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	172.92M	156.513M	169.84M	156.482M	165M	156.014M	165M	156.559M
6185MHz	Pass	Inf	169.4M	156.93M	169.84M	156.943M	170.28M	156.871M	168.52M	156.934M
6345MHz	Pass	Inf	169.84M	157.046M	173.36M	156.801M	169.84M	157.471M	169.4M	156.693M
6505MHz	Pass	Inf	168.52M	157.034M	173.36M	156.904M	168.08M	156.961M	171.6M	157.178M
6665MHz	Pass	Inf	162.8M	156.775M	169.4M	156.887M	168.52M	157.022M	171.16M	156.782M
6825MHz	Pass	Inf	168.08M	156.857M	167.64M	156.851M	169.4M	156.593M	168.52M	156.389M
6985MHz	Pass	Inf	165.44M	156.922M	166.76M	156.623M	166.32M	156.31M	168.96M	156.993M
802.11be EHT320-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6105MHz	Pass	Inf	332.64M	313.98M	331.76M	314.621M	330.88M	314.294M	329.12M	313.811M
6265MHz	Pass	Inf	328.24M	315.121M	332.64M	315.275M	330M	315.836M	333.52M	315.399M
6425MHz	Pass	Inf	334.4M	315.675M	330.88M	316.001M	332.64M	316.434M	334.4M	315.394M
6585MHz	Pass	Inf	335.28M	315.925M	329.12M	316.041M	330M	316.297M	336.16M	315.862M
6745MHz	Pass	Inf	335.28M	316.122M	332.64M	315.474M	333.52M	314.912M	337.04M	314.369M
6905MHz	Pass	Inf	337.92M	316.681M	333.52M	315.584M	337.92M	315.305M	335.28M	315.096M



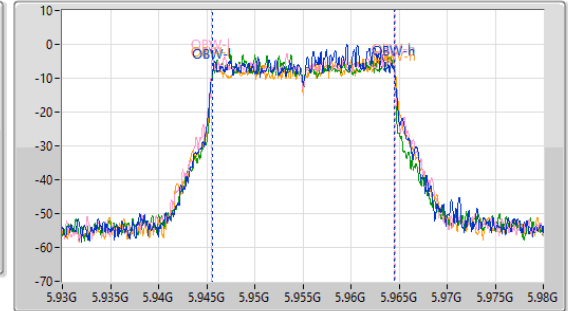
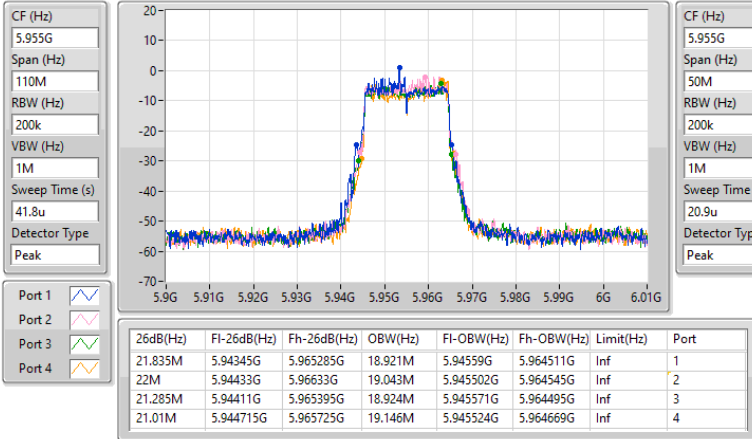
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5955MHz

18/04/2024

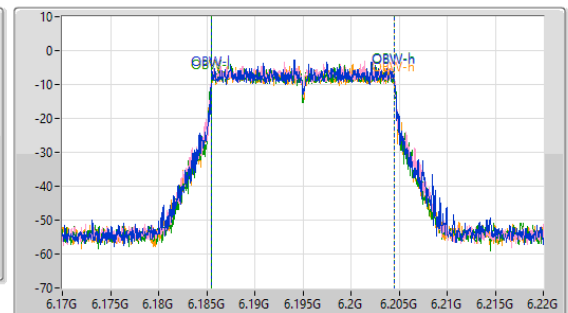
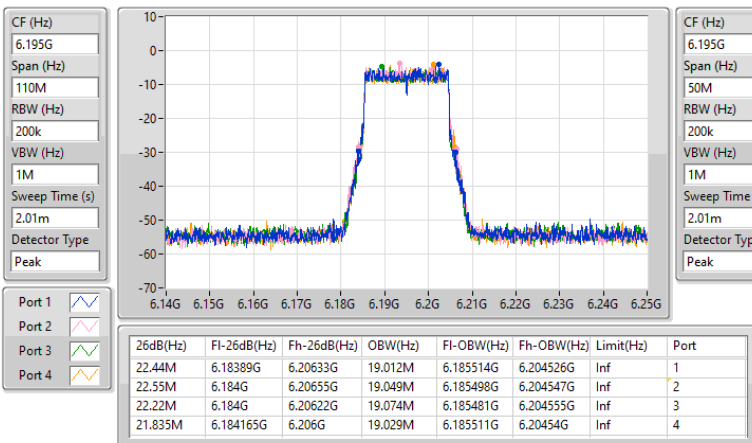


5.925-6.425GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

6195MHz

18/04/2024

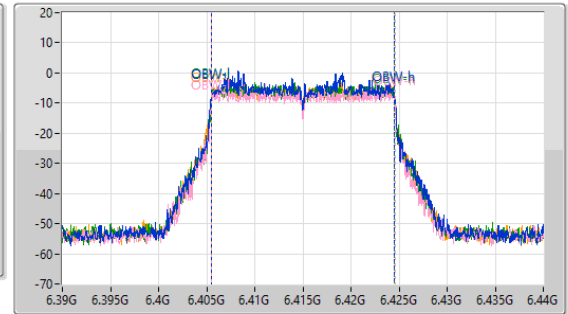
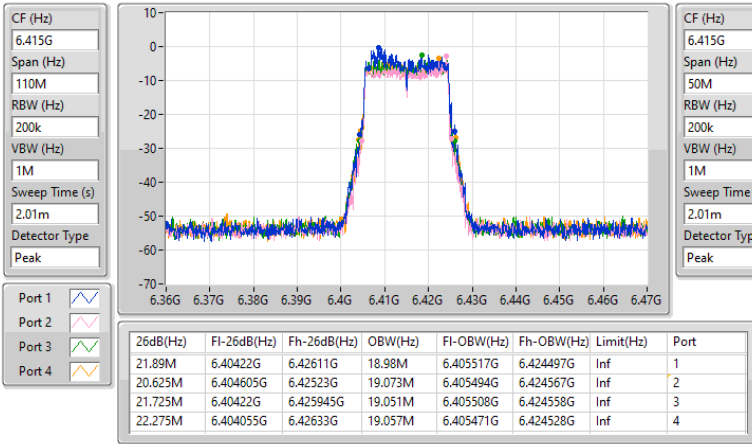


5.925-6.425GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

6415MHz

18/04/2024

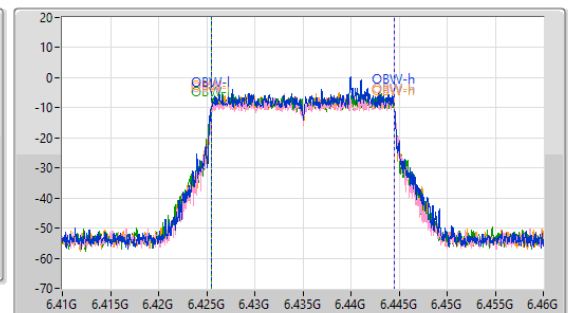
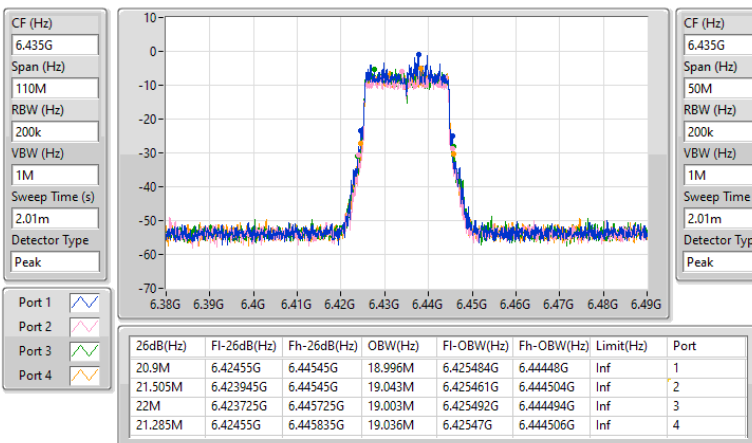


6.425-6.525GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

6435MHz

18/04/2024

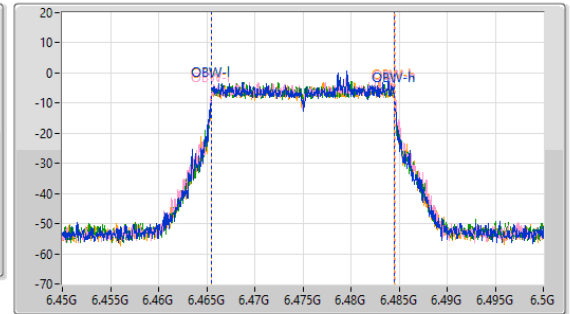
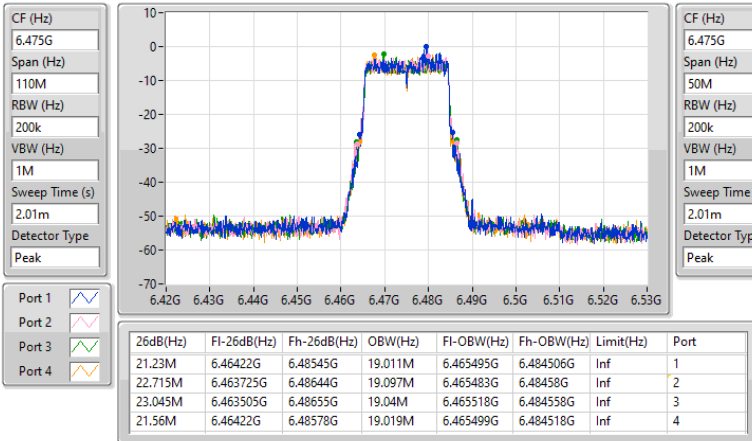


6.425-6.525GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

6475MHz

18/04/2024

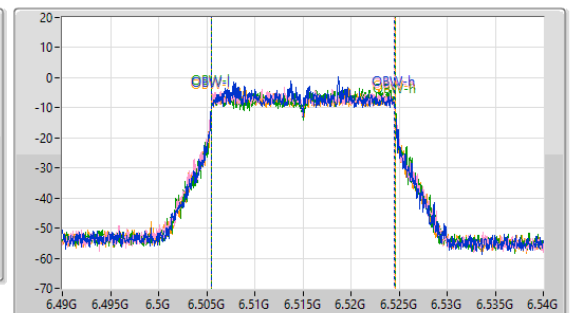
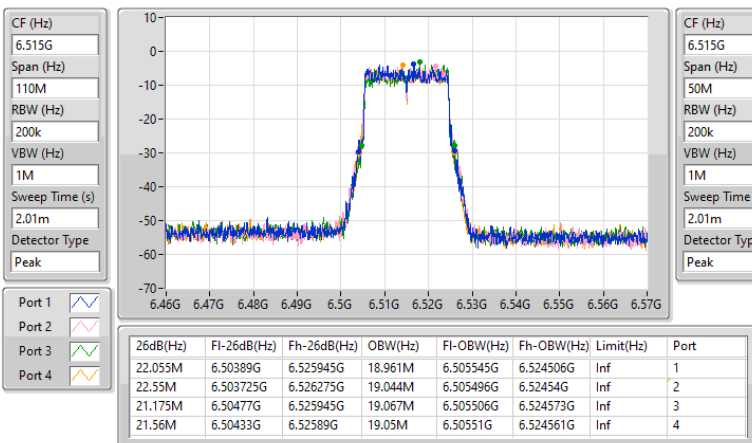


6.425-6.525GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

6515MHz

18/04/2024

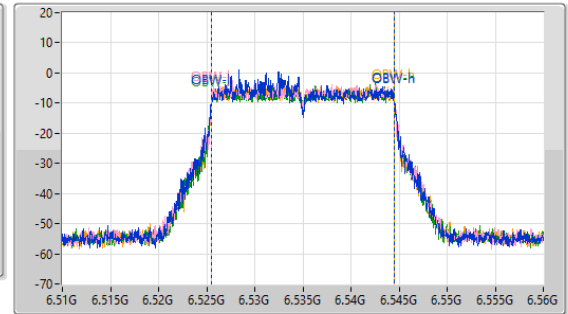
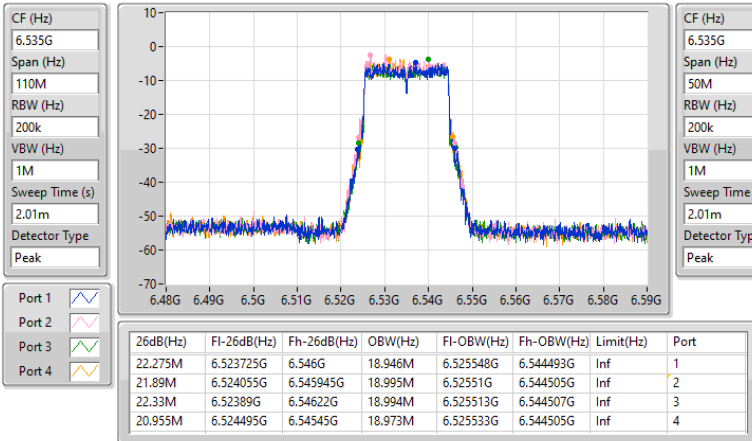


6.525-6.875GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

6535MHz

18/04/2024

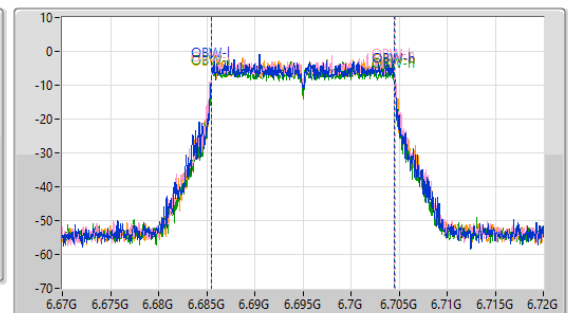
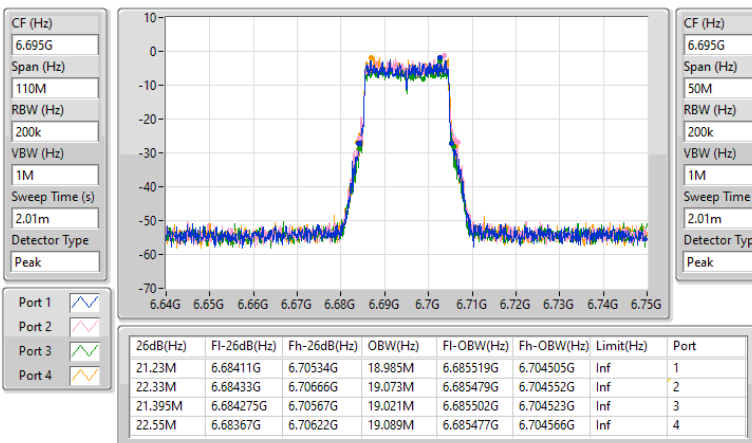


6.525-6.875GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

6695MHz

18/04/2024

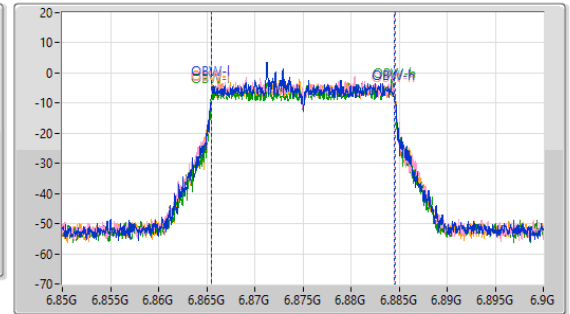
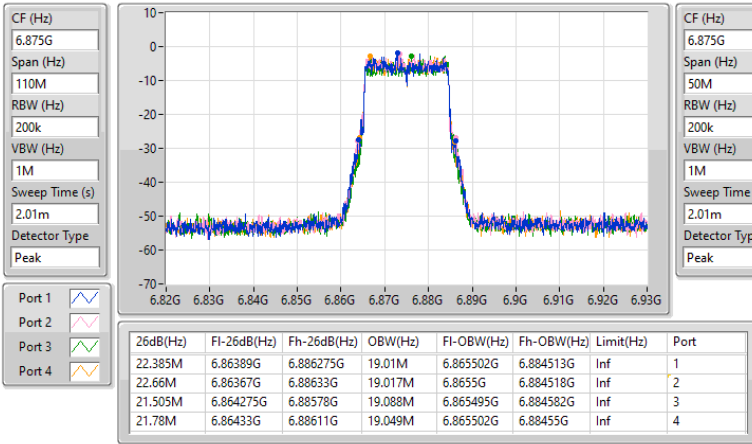


6.525-6.875GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

6875MHz

18/04/2024

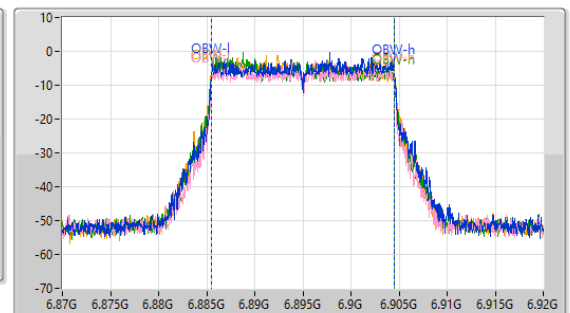
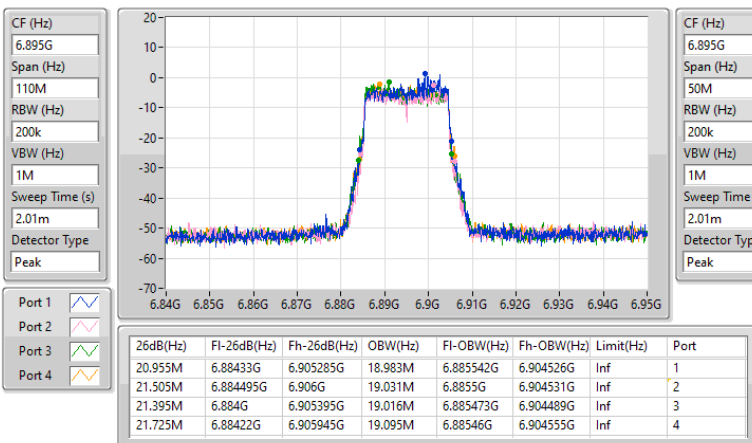


6.875-7.125GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

6895MHz

18/04/2024

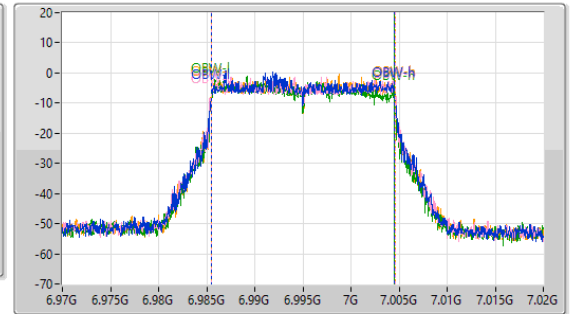
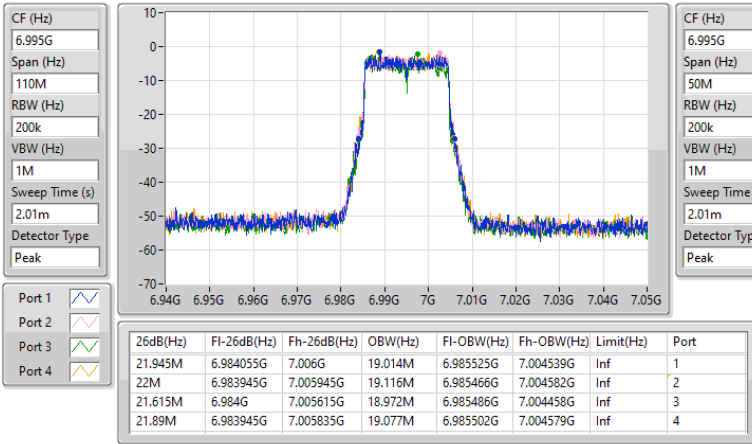


6.875-7.125GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

6995MHz

18/04/2024

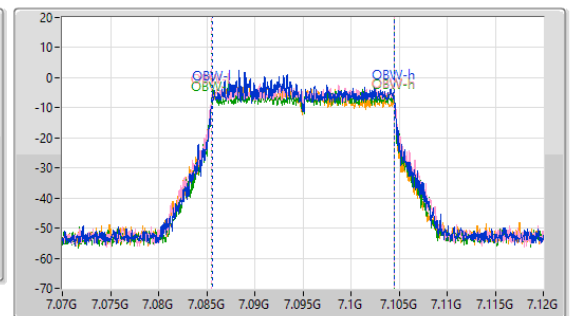
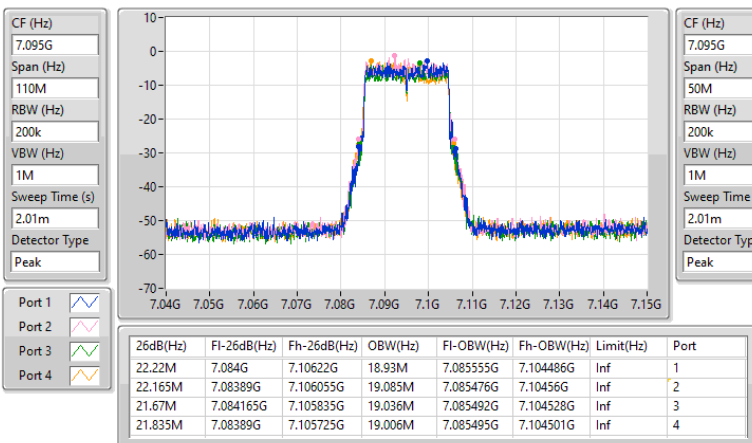


6.875-7.125GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

7095MHz

18/04/2024

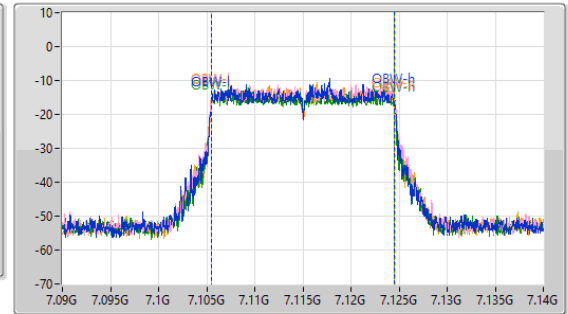
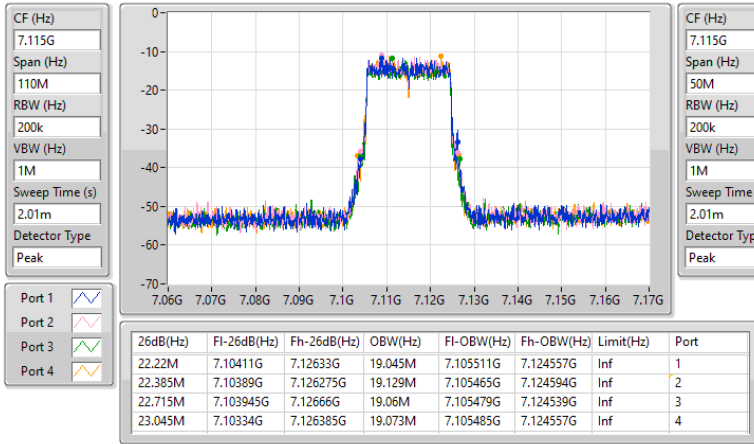


6.875-7.125GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

7115MHz

18/04/2024

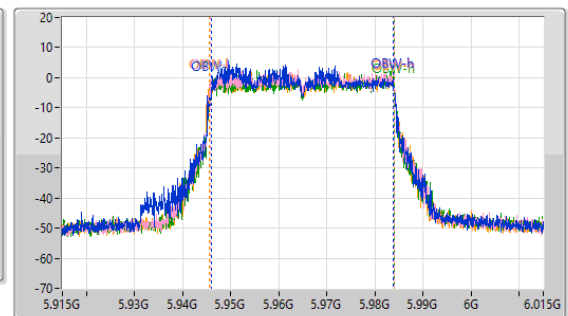
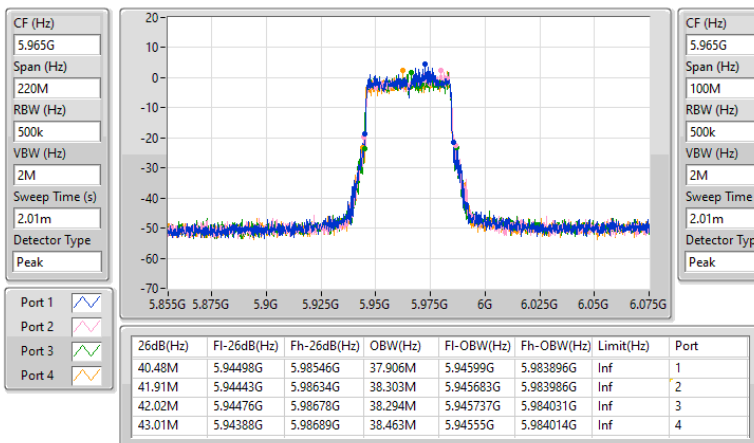


5.925-6.425GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5965MHz

18/04/2024

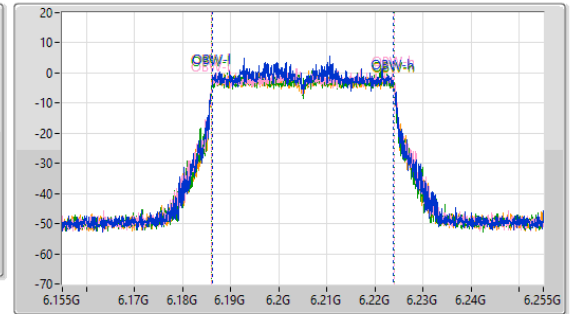
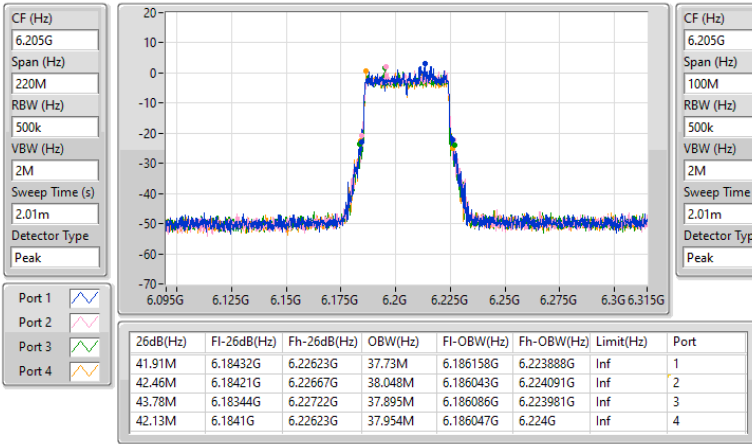


5.925-6.425GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

6205MHz

18/04/2024

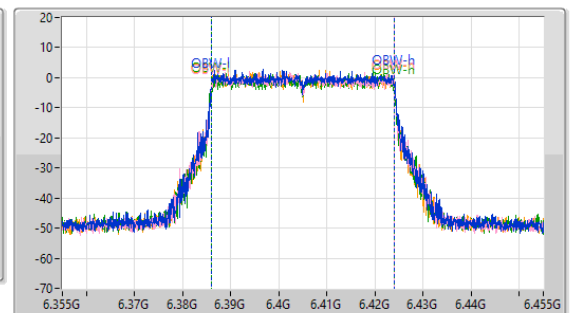
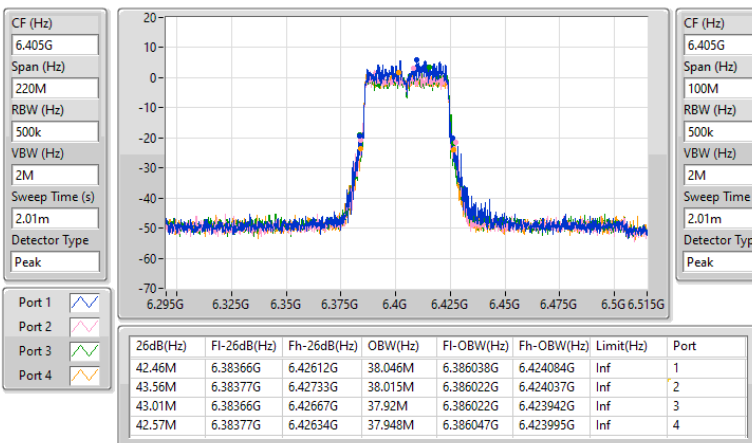


5.925-6.425GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

6405MHz

18/04/2024

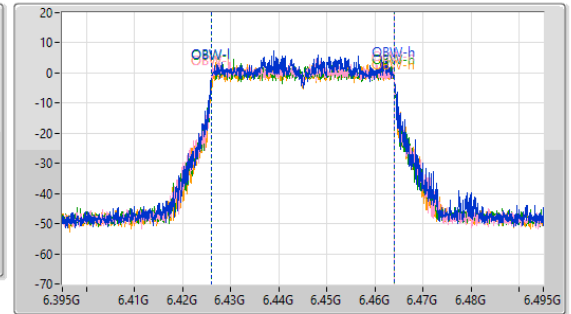
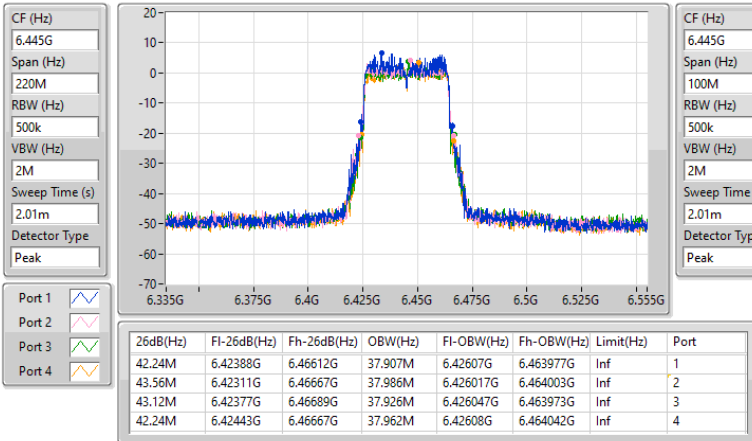


6.425-6.525GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

6445MHz

18/04/2024

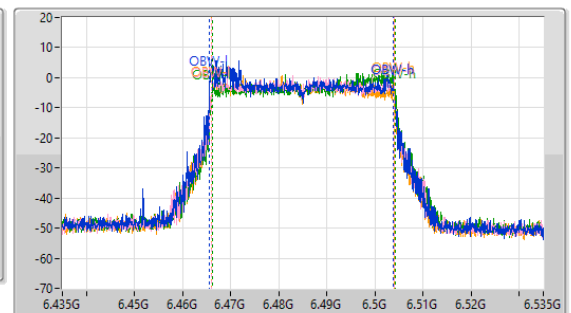
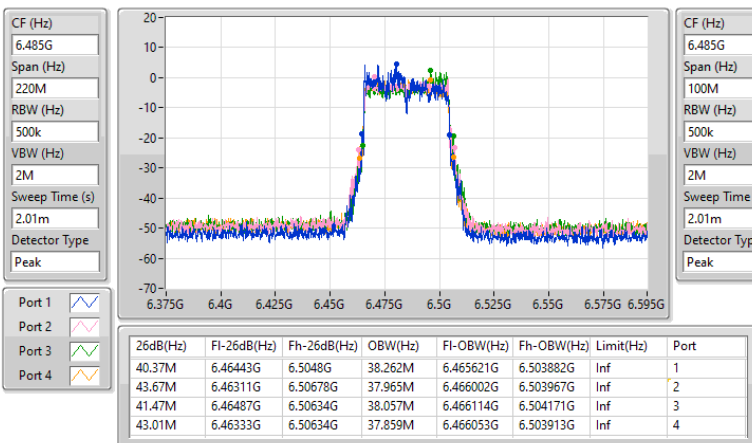


6.425-6.525GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

6485MHz

18/04/2024

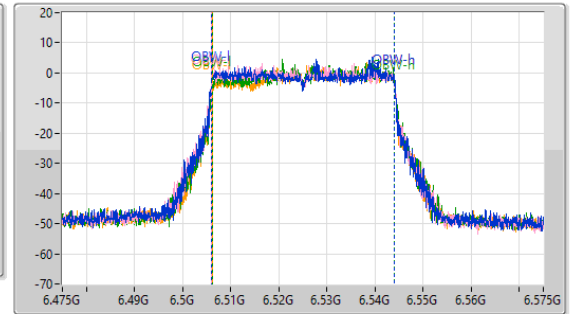
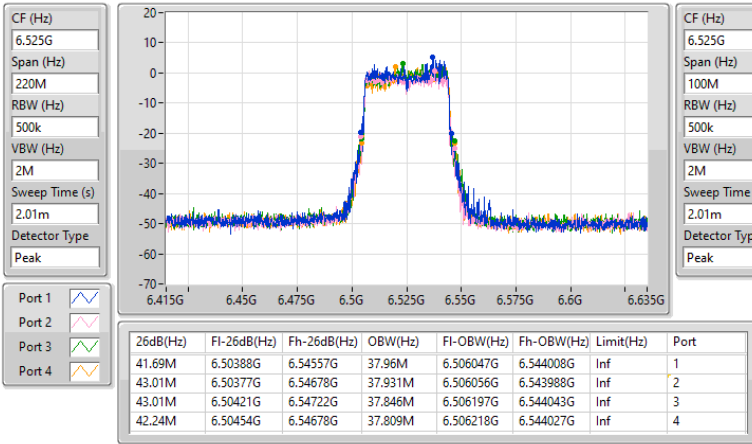


6.425-6.525GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

6525MHz

18/04/2024

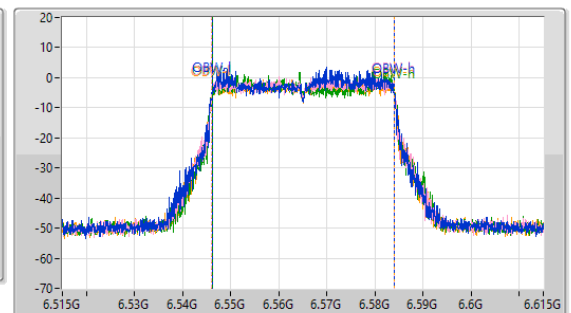
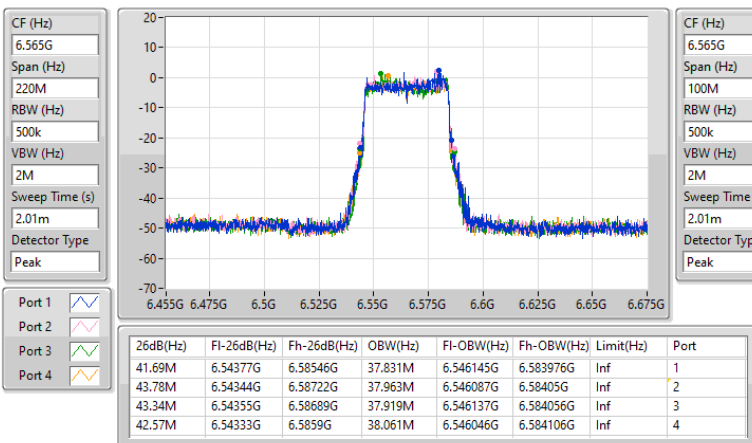


6.525-6.875GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

6565MHz

18/04/2024

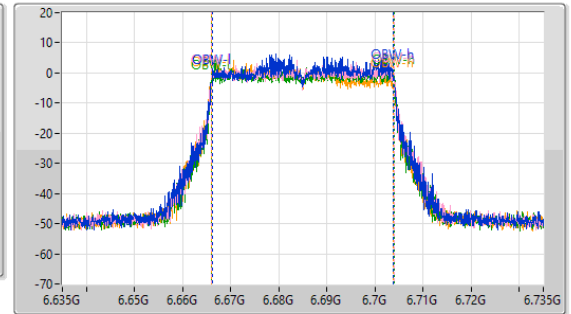
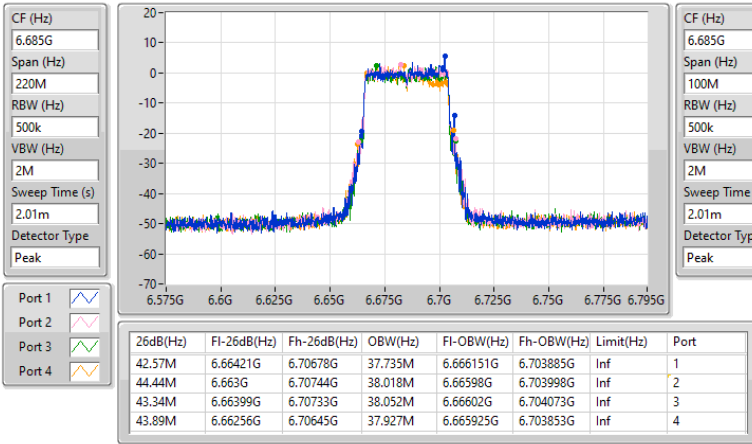


6.525-6.875GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

6685MHz

18/04/2024

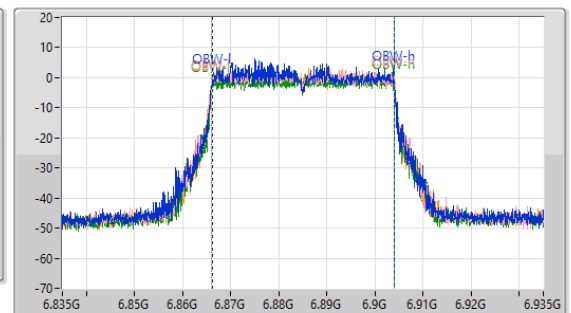
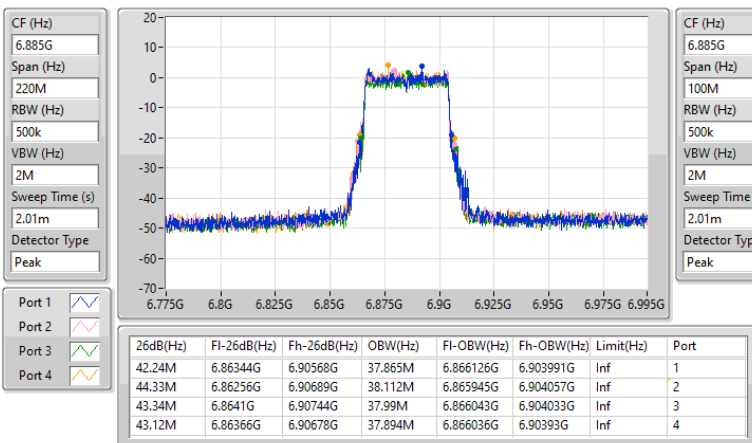


6.525-6.875GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

6685MHz

18/04/2024

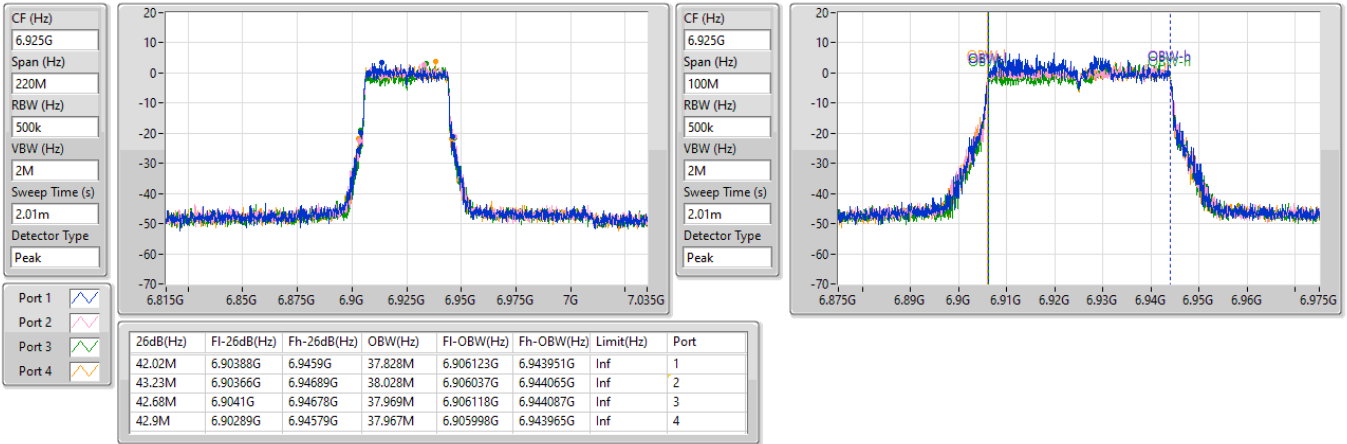


6.875-7.125GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

6925MHz

18/04/2024

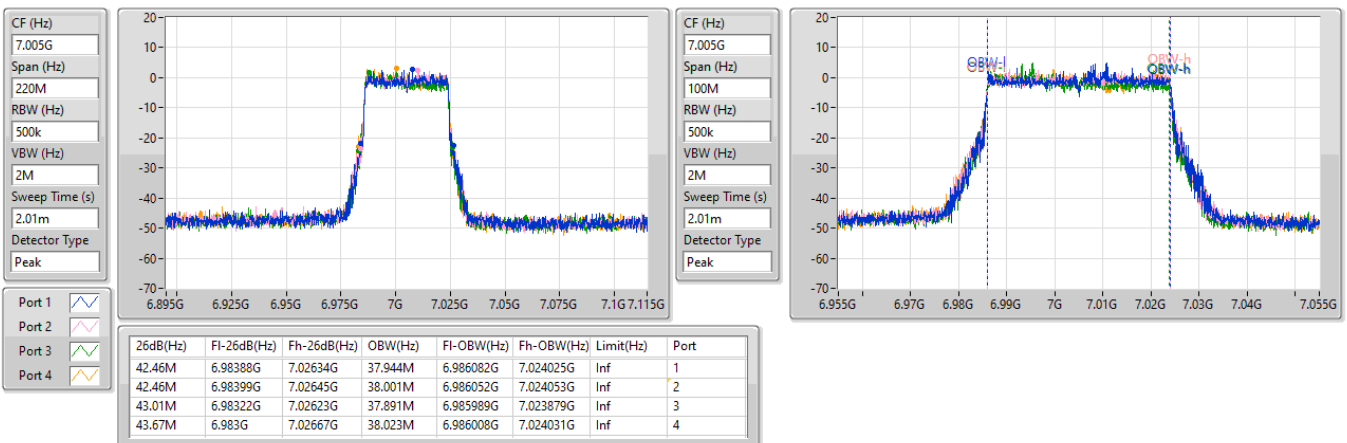


6.875-7.125GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

7005MHz

18/04/2024

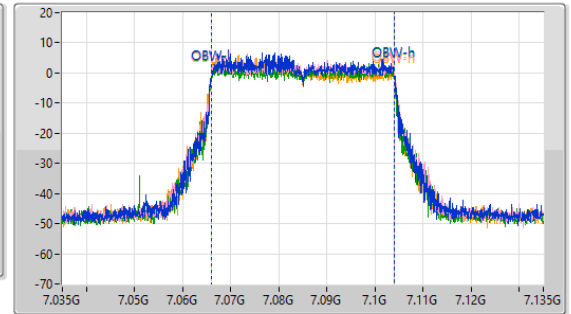
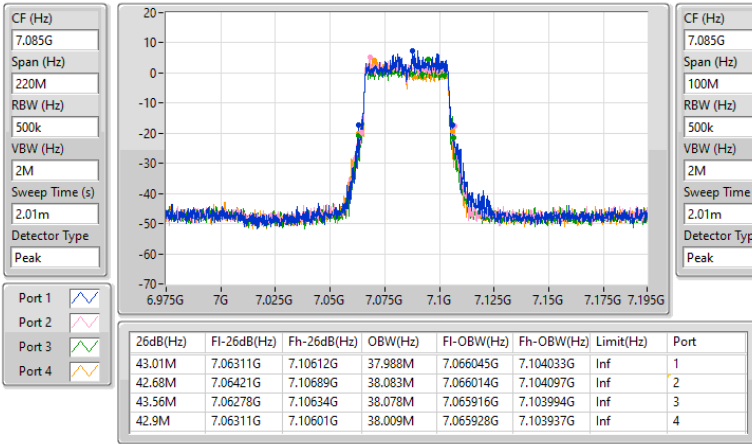


6.875-7.125GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

7085MHz

18/04/2024

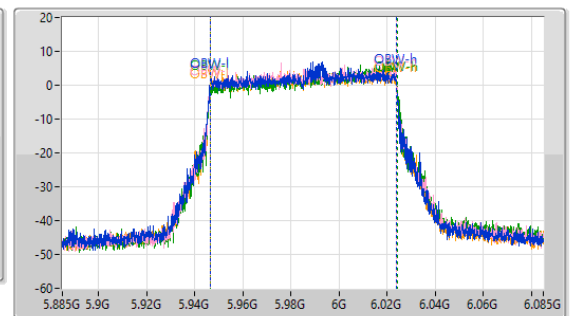
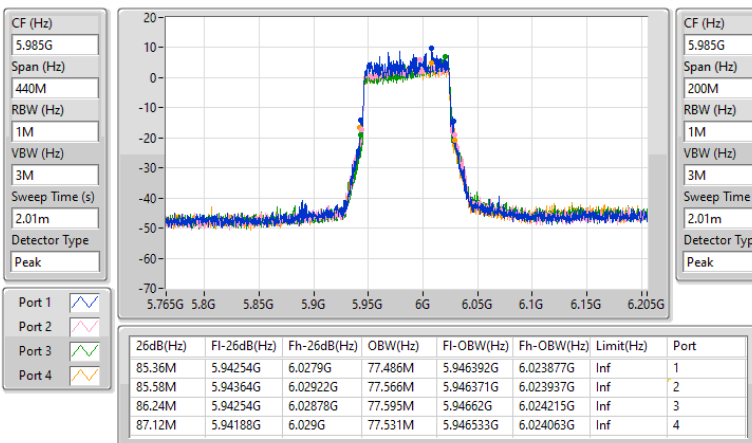


5.925-6.425GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5985MHz

18/04/2024

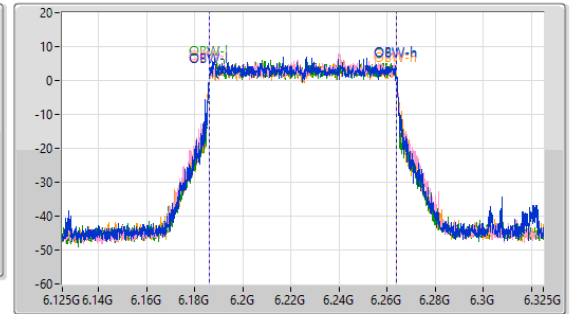
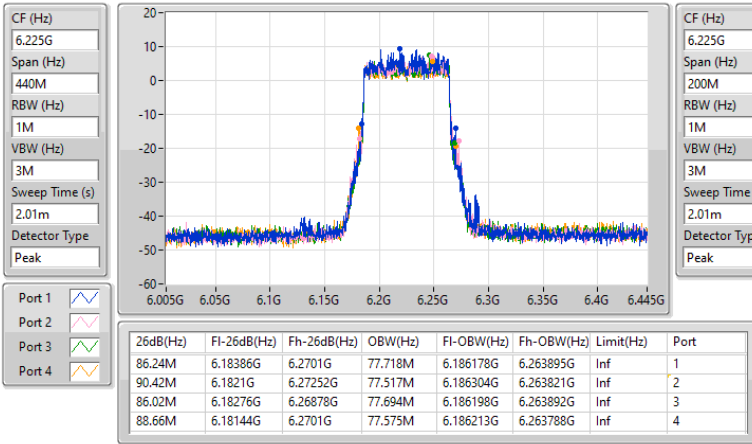


5.925-6.425GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

6225MHz

18/04/2024

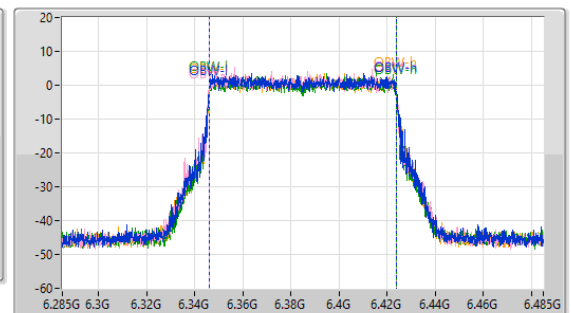
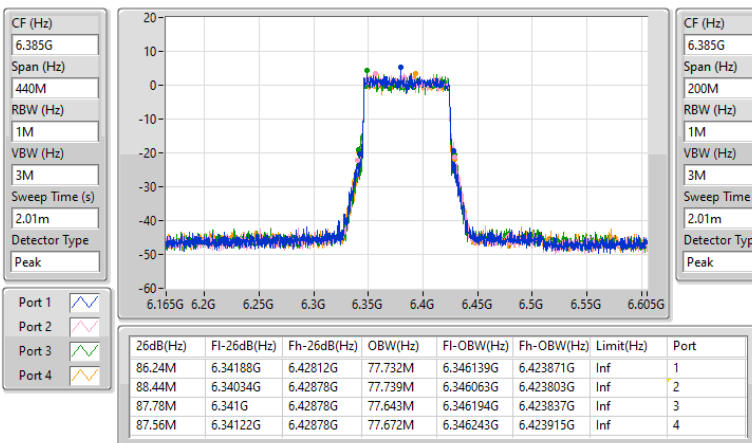


5.925-6.425GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

6385MHz

18/04/2024

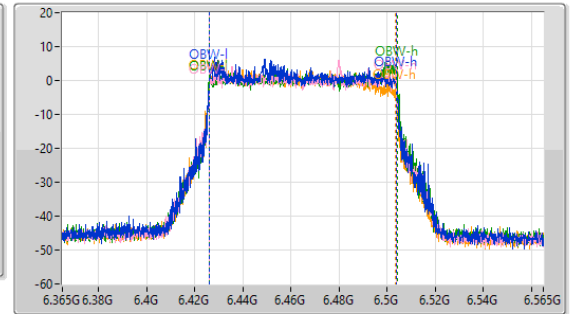
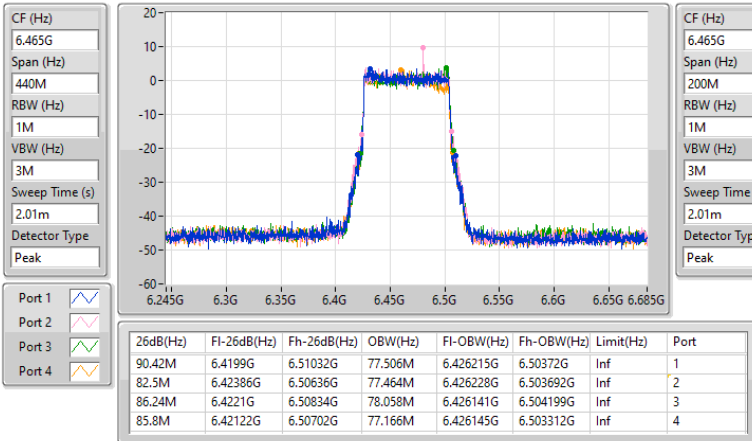


6.425-6.525GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

6465MHz

18/04/2024

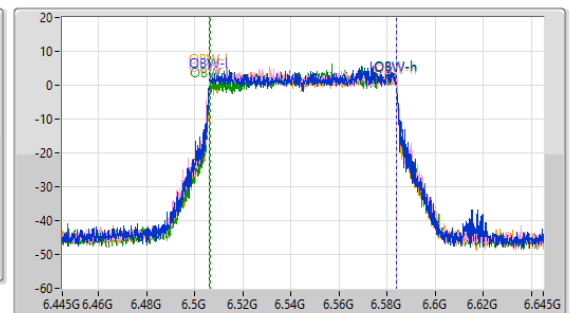
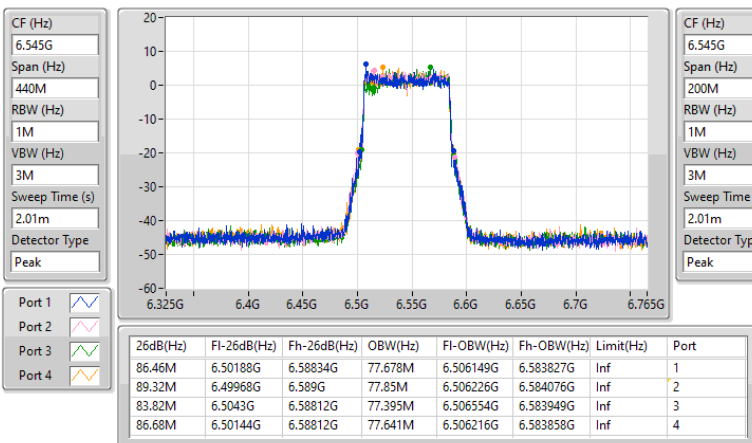


6.425-6.525GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

6545MHz

18/04/2024

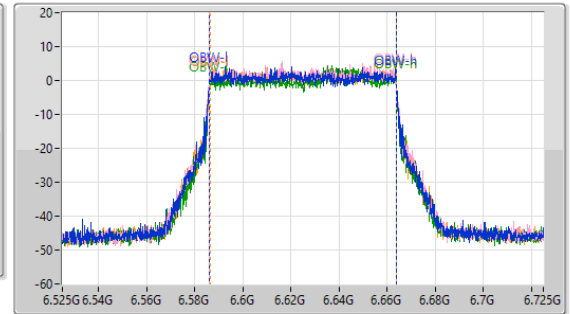
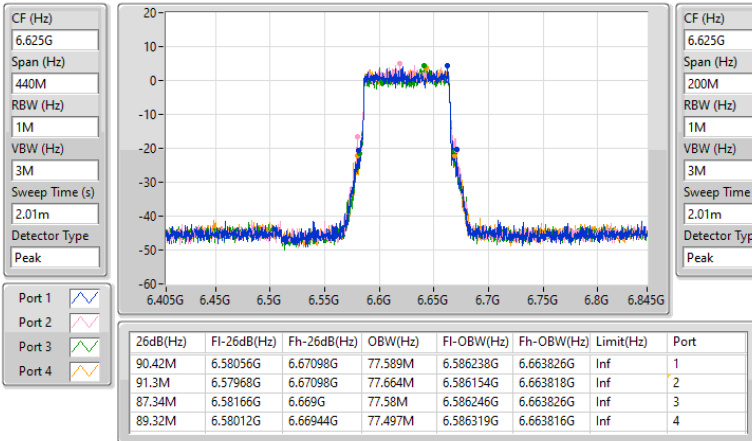


6.525-6.875GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

6625MHz

18/04/2024

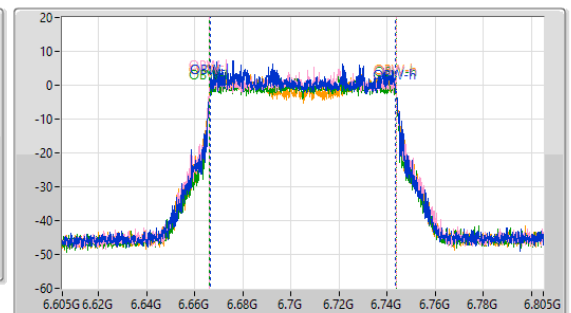
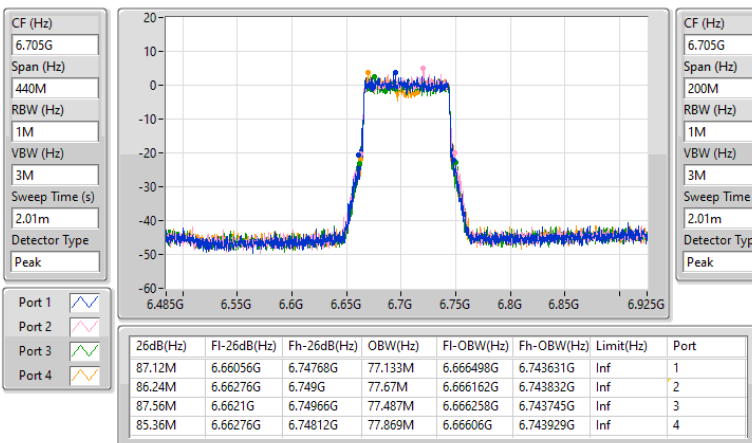


6.525-6.875GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

6705MHz

18/04/2024

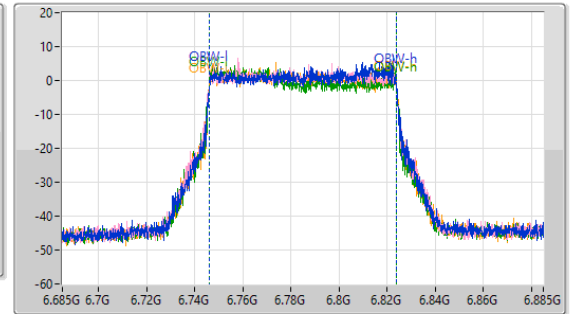
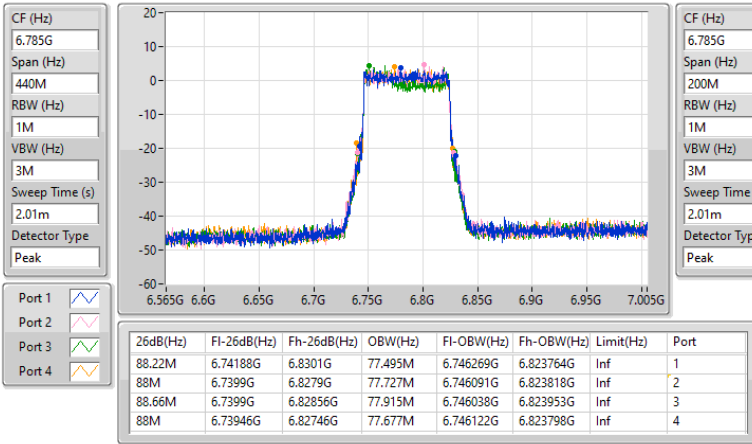


6.525-6.875GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

6785MHz

18/04/2024

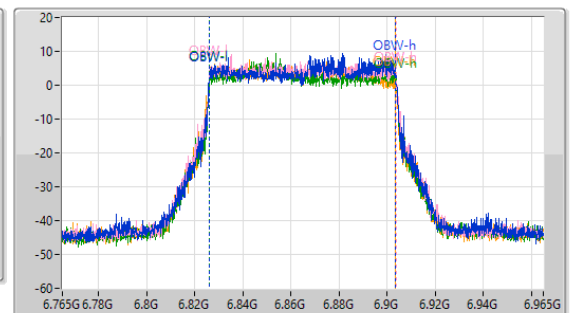
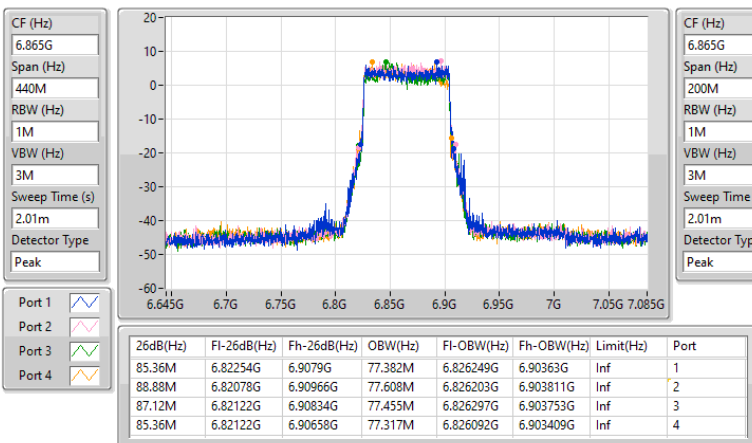


6.525-6.875GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

6865MHz

18/04/2024

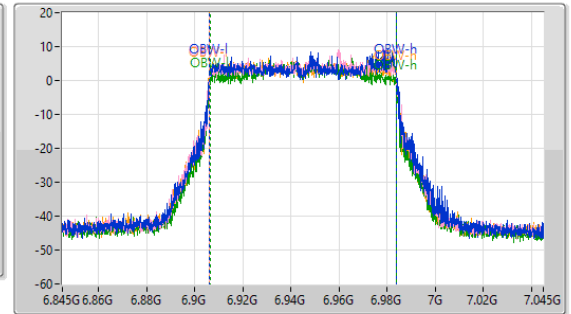
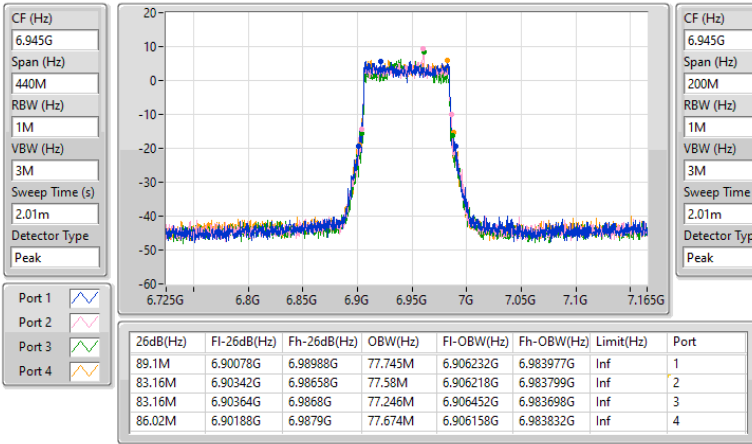


6.875-7.125GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

6945MHz

18/04/2024

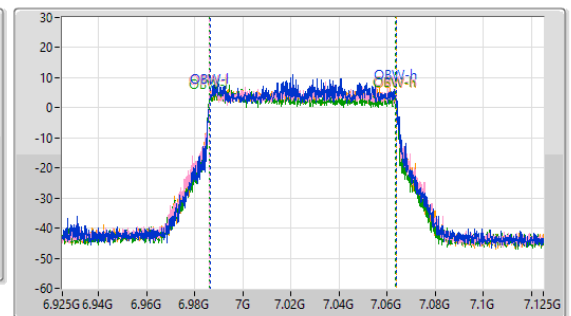
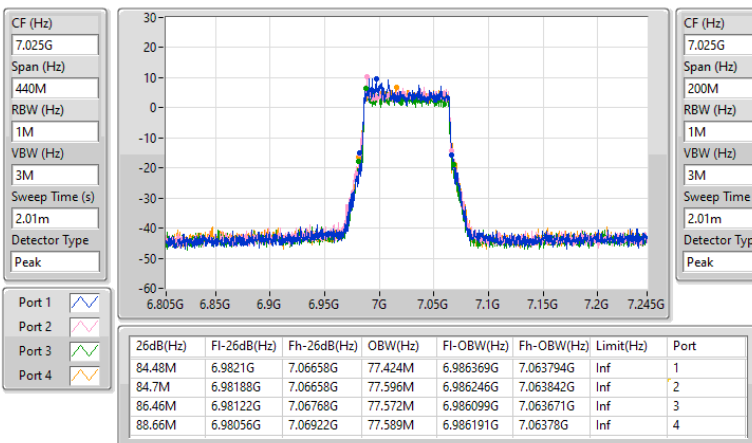


6.875-7.125GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

7025MHz

18/04/2024

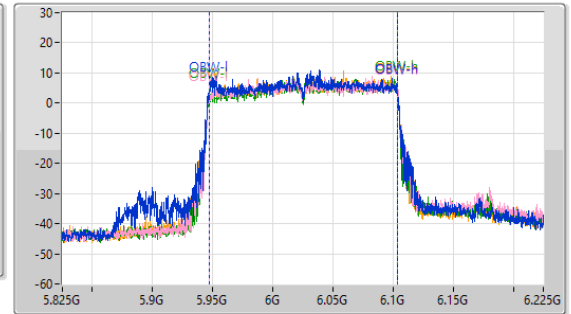
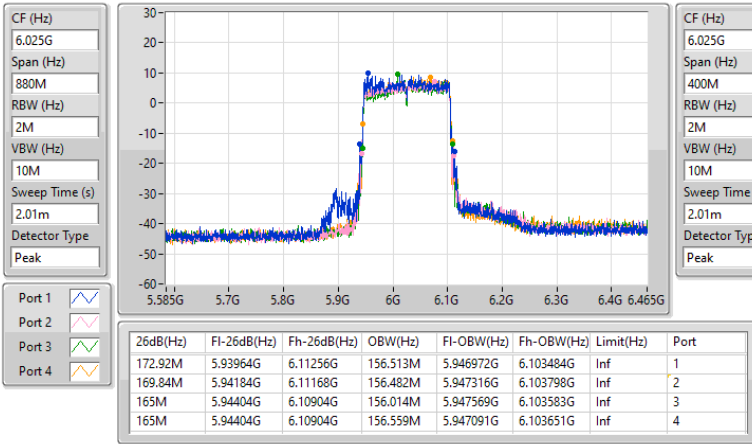


5.925-6.425GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

EBW

6025MHz

18/04/2024

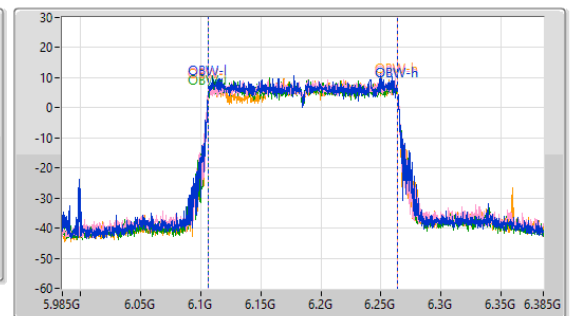
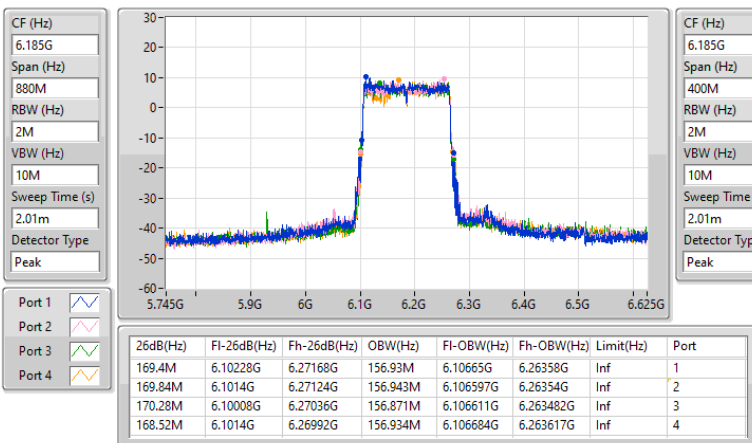


5.925-6.425GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

EBW

6185MHz

18/04/2024

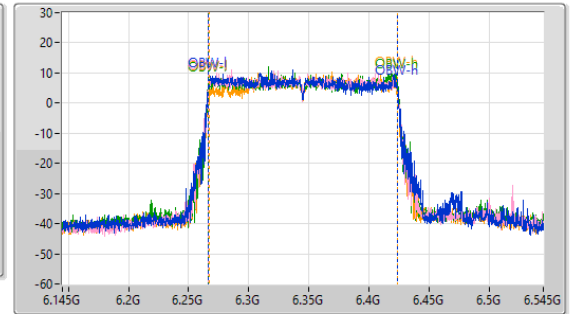
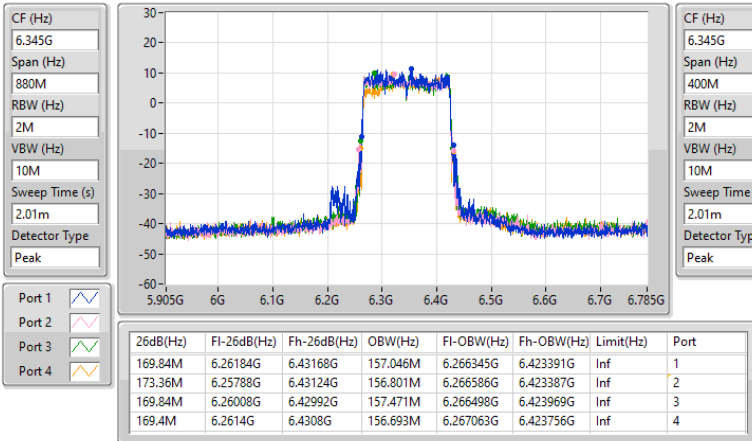


5.925-6.425GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

EBW

6345MHz

18/04/2024

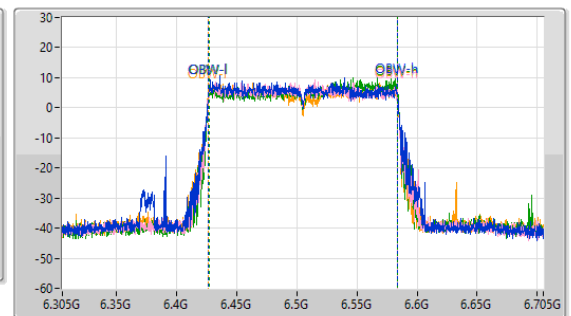
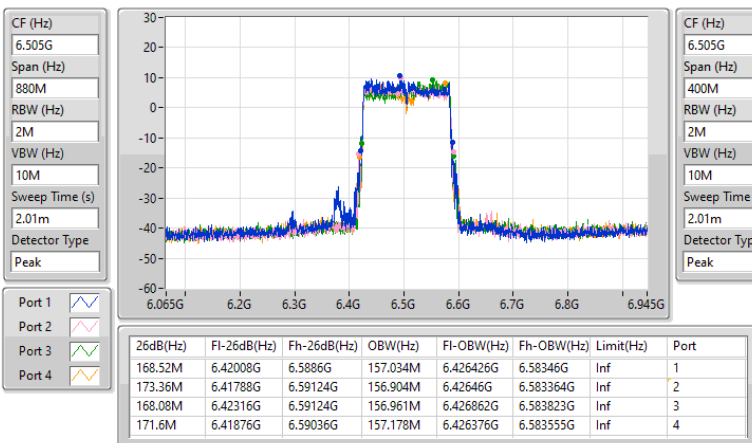


6.425-6.525GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

EBW

6505MHz

18/04/2024

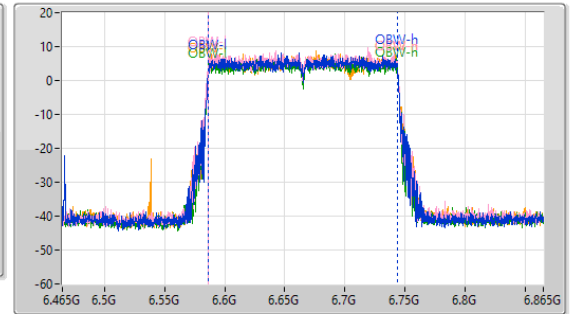
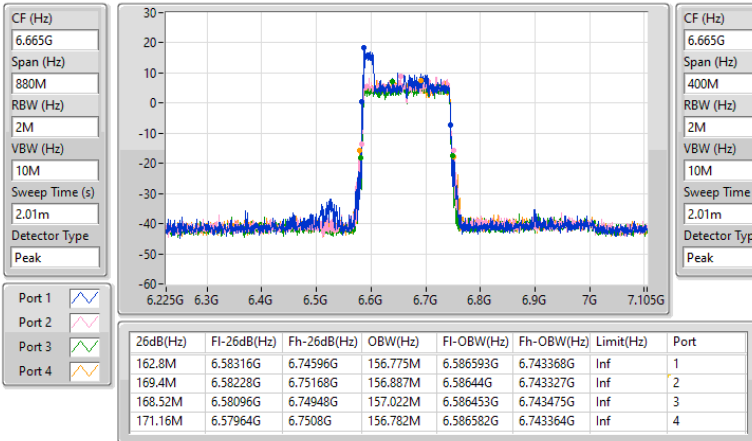


6.525-6.875GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

EBW

6665MHz

18/04/2024

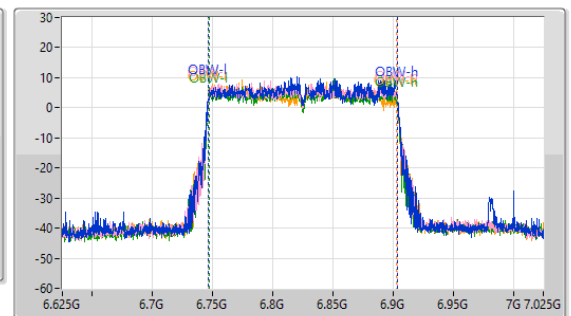
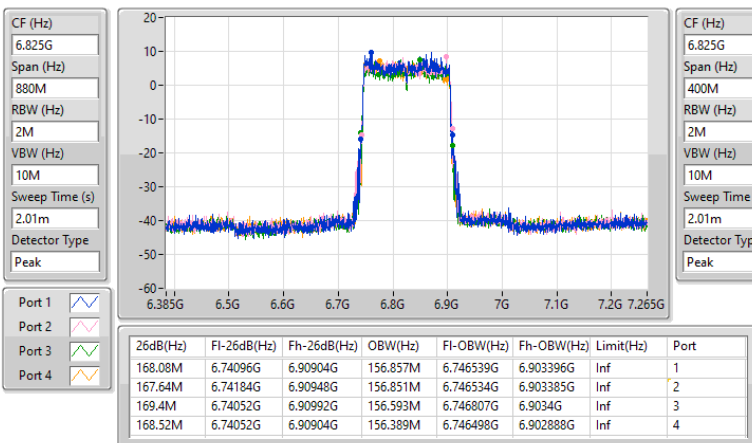


6.525-6.875GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

EBW

6825MHz

18/04/2024

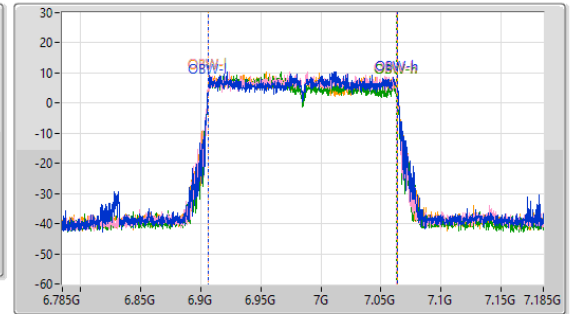
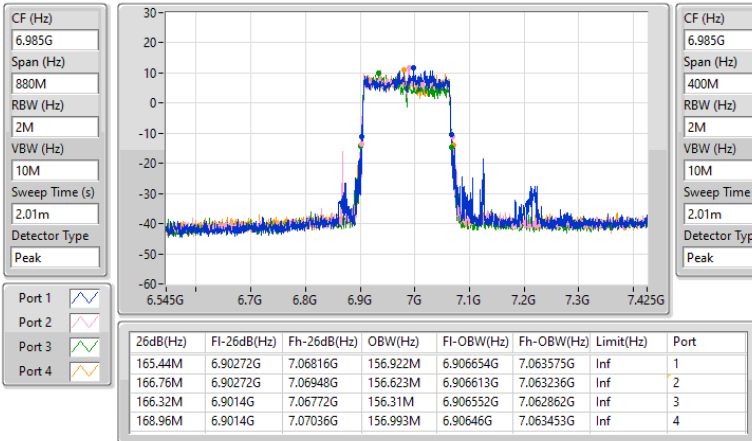


6.875-7.125GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

EBW

6985MHz

18/04/2024

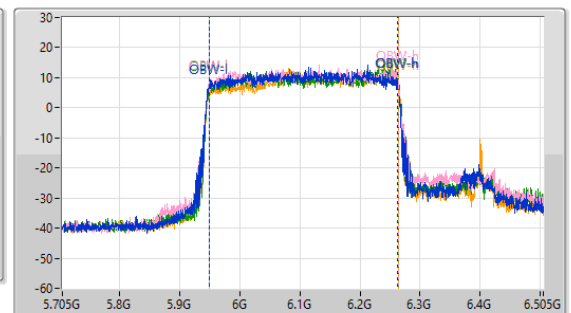
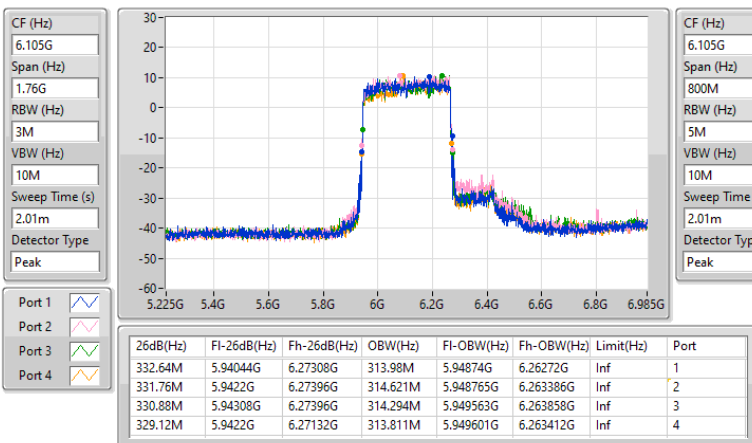


5.925-6.425GHz_802.11be EHT320-BF_Nss1,(MCS0)_4TX

EBW

6105MHz

18/04/2024

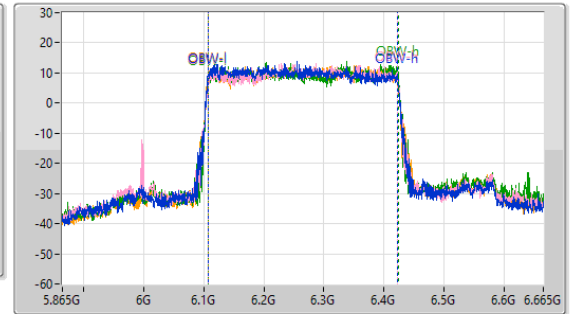
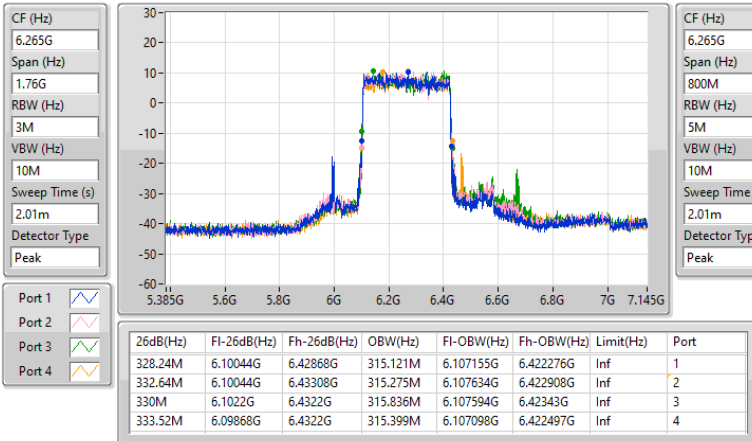


5.925-6.425GHz_802.11be EHT320-BF_Nss1,(MCS0)_4TX

EBW

6265MHz

18/04/2024

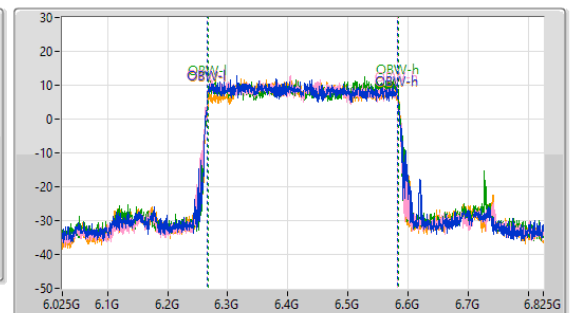
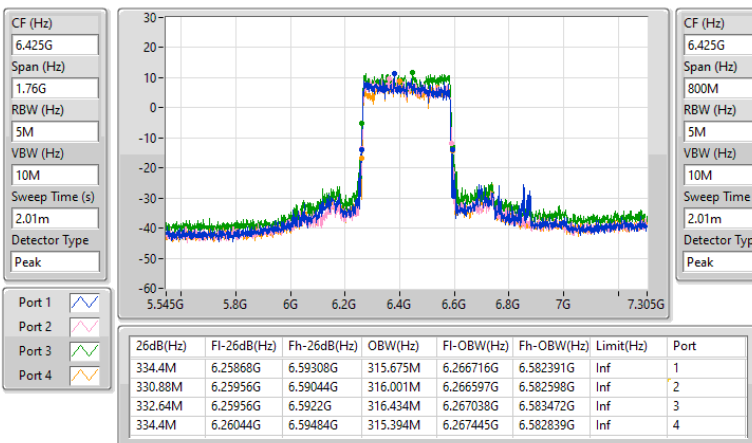


5.925-6.425GHz_802.11be EHT320-BF_Nss1,(MCS0)_4TX

EBW

6425MHz

18/04/2024

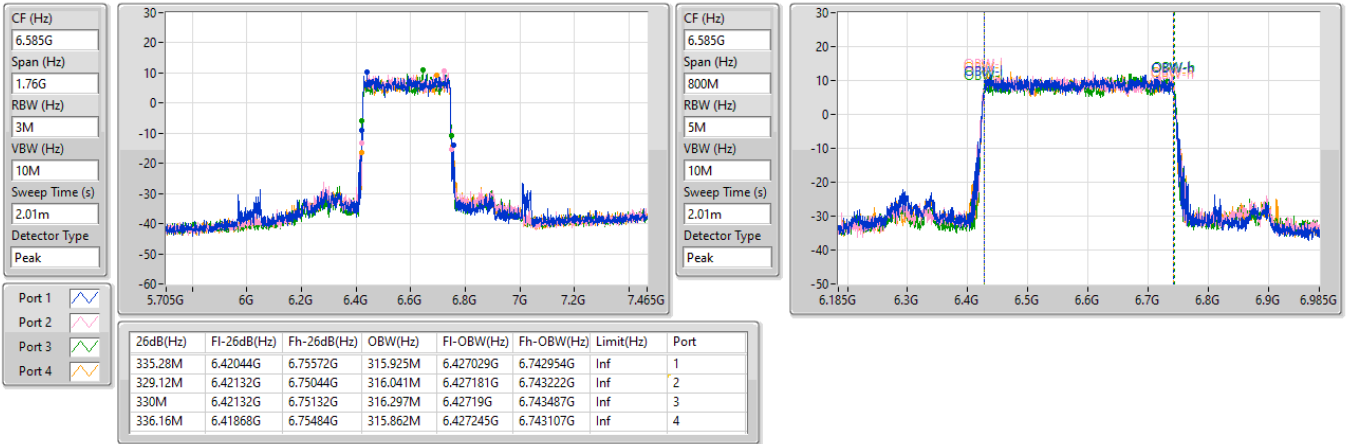


6.525-6.875GHz_802.11be EHT320-BF_Nss1,(MCS0)_4TX

EBW

6585MHz

18/04/2024

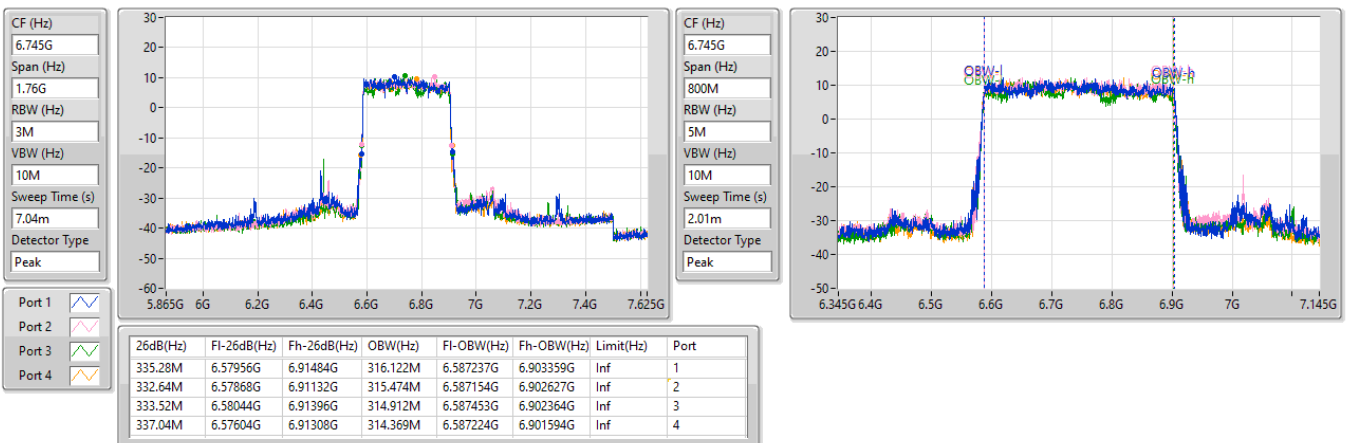


6.525-6.875GHz_802.11be EHT320-BF_Nss1,(MCS0)_4TX

EBW

6745MHz

18/04/2024

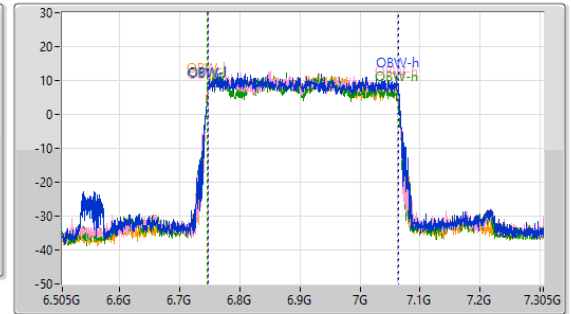
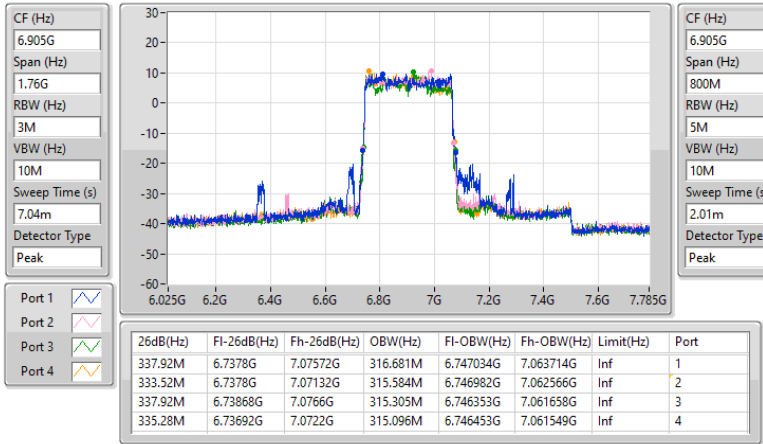


6.875-7.125GHz_802.11be EHT320-BF_Nss1,(MCS0)_4TX

EBW

6905MHz

18/04/2024



Summary

Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11be EHT20_Nss1,(MCS0)_4TX	14.26	0.02667
802.11be EHT20_Nss4,(MCS0)_4TX	18.26	0.06699
802.11be EHT40_Nss1,(MCS0)_4TX	17.69	0.05875
802.11be EHT40_Nss4,(MCS0)_4TX	21.43	0.13900
802.11be EHT80_Nss1,(MCS0)_4TX	21.05	0.12735
802.11be EHT80_Nss4,(MCS0)_4TX	24.34	0.27164
802.11be EHT160_Nss1,(MCS0)_4TX	22.95	0.19724
802.11be EHT160_Nss4,(MCS0)_4TX	27.12	0.51523
802.11be EHT320_Nss1,(MCS0)_4TX	26.38	0.43451
802.11be EHT320_Nss4,(MCS0)_4TX	28.66	0.73451
6.425-6.525GHz	-	-
802.11be EHT20_Nss1,(MCS0)_4TX	14.28	0.02679
802.11be EHT20_Nss4,(MCS0)_4TX	18.50	0.07079
802.11be EHT40_Nss1,(MCS0)_4TX	17.36	0.05445
802.11be EHT40_Nss4,(MCS0)_4TX	21.39	0.13772
802.11be EHT80_Nss1,(MCS0)_4TX	20.67	0.11668
802.11be EHT80_Nss4,(MCS0)_4TX	24.11	0.25763
802.11be EHT160_Nss1,(MCS0)_4TX	22.85	0.19275
802.11be EHT160_Nss4,(MCS0)_4TX	26.65	0.46238
6.525-6.875GHz	-	-
802.11be EHT20_Nss1,(MCS0)_4TX	13.94	0.02477
802.11be EHT20_Nss4,(MCS0)_4TX	18.15	0.06531
802.11be EHT40_Nss1,(MCS0)_4TX	17.35	0.05433
802.11be EHT40_Nss4,(MCS0)_4TX	21.50	0.14125
802.11be EHT80_Nss1,(MCS0)_4TX	20.29	0.10691
802.11be EHT80_Nss4,(MCS0)_4TX	24.32	0.27040
802.11be EHT160_Nss1,(MCS0)_4TX	21.19	0.13152
802.11be EHT160_Nss4,(MCS0)_4TX	27.18	0.52240
802.11be EHT320_Nss1,(MCS0)_4TX	24.64	0.29107
802.11be EHT320_Nss4,(MCS0)_4TX	29.73	0.93972
6.875-7.125GHz	-	-
802.11be EHT20_Nss1,(MCS0)_4TX	15.99	0.03972
802.11be EHT20_Nss4,(MCS0)_4TX	18.61	0.07261
802.11be EHT40_Nss1,(MCS0)_4TX	18.62	0.07278
802.11be EHT40_Nss4,(MCS0)_4TX	21.12	0.12942
802.11be EHT80_Nss1,(MCS0)_4TX	20.08	0.10186
802.11be EHT80_Nss4,(MCS0)_4TX	24.82	0.30339
802.11be EHT160_Nss1,(MCS0)_4TX	20.89	0.12274
802.11be EHT160_Nss4,(MCS0)_4TX	27.08	0.51050
802.11be EHT320_Nss1,(MCS0)_4TX	23.78	0.23878
802.11be EHT320_Nss4,(MCS0)_4TX	25.84	0.38371

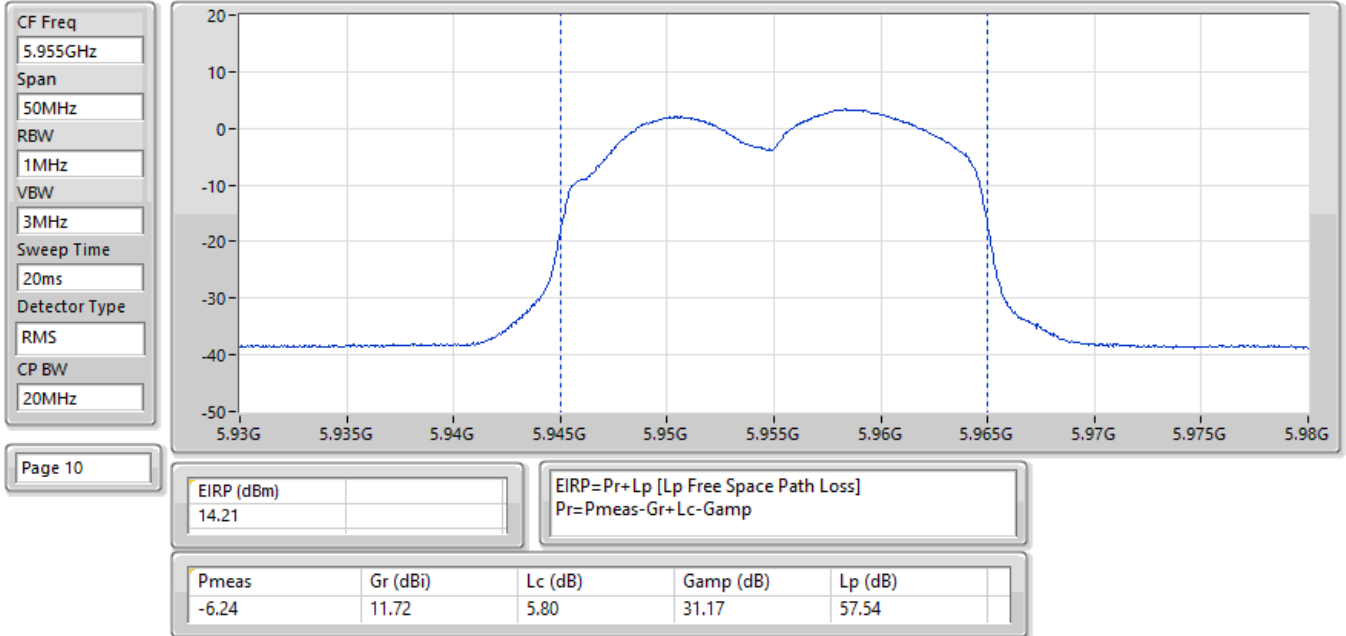
Result

Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	14.21	30.00
6195MHz	Pass	14.19	30.00
6415MHz	Pass	14.26	30.00
6435MHz	Pass	14.27	30.00
6475MHz	Pass	14.28	30.00
6515MHz	Pass	14.17	30.00
6535MHz	Pass	13.94	30.00
6695MHz	Pass	13.37	30.00
6875MHz	Pass	13.10	30.00
6895MHz	Pass	13.37	30.00
6995MHz	Pass	13.02	30.00
7095MHz	Pass	15.99	30.00
7115MHz	Pass	13.03	30.00
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	17.10	30.00
6205MHz	Pass	17.69	30.00
6405MHz	Pass	17.13	30.00
6445MHz	Pass	17.17	30.00
6485MHz	Pass	17.14	30.00
6525MHz	Pass	17.36	30.00
6565MHz	Pass	17.35	30.00
6685MHz	Pass	15.93	30.00
6885MHz	Pass	15.83	30.00
6925MHz	Pass	15.60	30.00
7005MHz	Pass	15.89	30.00
7085MHz	Pass	18.62	30.00
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	20.10	30.00
6225MHz	Pass	19.96	30.00
6385MHz	Pass	21.05	30.00
6465MHz	Pass	20.67	30.00
6545MHz	Pass	20.01	30.00
6625MHz	Pass	20.29	30.00
6705MHz	Pass	19.28	30.00
6785MHz	Pass	19.53	30.00
6865MHz	Pass	18.53	30.00
6945MHz	Pass	20.08	30.00
7025MHz	Pass	19.93	30.00
802.11be EHT160_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	22.28	30.00
6185MHz	Pass	22.46	30.00
6345MHz	Pass	22.95	30.00
6505MHz	Pass	22.85	30.00
6665MHz	Pass	20.78	30.00
6825MHz	Pass	21.19	30.00
6985MHz	Pass	20.89	30.00
802.11be EHT320_Nss1,(MCS0)_4TX	-	-	-
6105MHz	Pass	23.90	30.00
6265MHz	Pass	25.68	30.00
6425MHz	Pass	26.38	30.00
6585MHz	Pass	23.34	30.00
6745MHz	Pass	24.64	30.00
6905MHz	Pass	23.78	30.00
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-

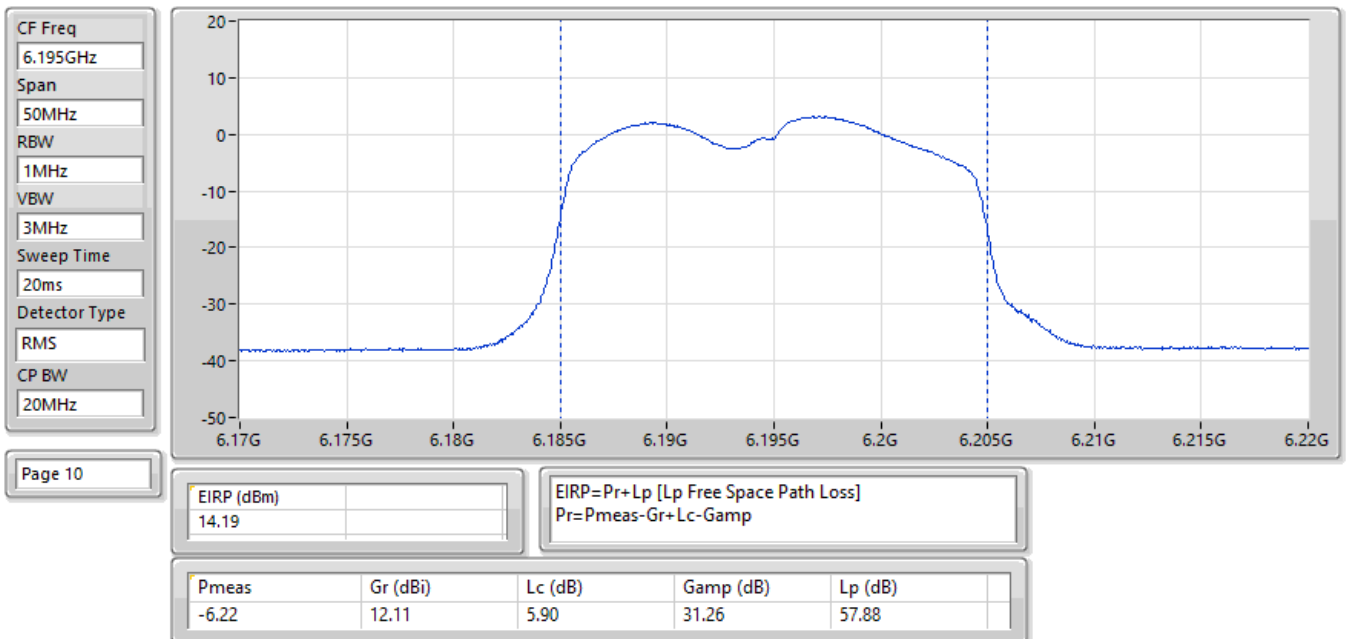
Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
5955MHz	Pass	18.26	30.00
6195MHz	Pass	17.51	30.00
6415MHz	Pass	18.08	30.00
6435MHz	Pass	17.98	30.00
6475MHz	Pass	18.50	30.00
6515MHz	Pass	17.34	30.00
6535MHz	Pass	16.64	30.00
6695MHz	Pass	16.73	30.00
6875MHz	Pass	18.15	30.00
6895MHz	Pass	17.84	30.00
6995MHz	Pass	17.93	30.00
7095MHz	Pass	18.61	30.00
7115MHz	Pass	9.37	30.00
802.11be EHT40_Nss4,(MCS0)_4TX	-	-	-
5965MHz	Pass	20.48	30.00
6205MHz	Pass	19.88	30.00
6405MHz	Pass	21.43	30.00
6445MHz	Pass	21.19	30.00
6485MHz	Pass	21.05	30.00
6525MHz	Pass	21.39	30.00
6565MHz	Pass	21.50	30.00
6685MHz	Pass	20.38	30.00
6885MHz	Pass	19.95	30.00
6925MHz	Pass	20.59	30.00
7005MHz	Pass	20.99	30.00
7085MHz	Pass	21.12	30.00
802.11be EHT80_Nss4,(MCS0)_4TX	-	-	-
5985MHz	Pass	23.22	30.00
6225MHz	Pass	24.34	30.00
6385MHz	Pass	23.83	30.00
6465MHz	Pass	23.83	30.00
6545MHz	Pass	24.11	30.00
6625MHz	Pass	24.32	30.00
6705MHz	Pass	22.98	30.00
6785MHz	Pass	23.95	30.00
6865MHz	Pass	23.94	30.00
6945MHz	Pass	23.66	30.00
7025MHz	Pass	24.82	30.00
802.11be EHT160_Nss4,(MCS0)_4TX	-	-	-
6025MHz	Pass	27.12	30.00
6185MHz	Pass	26.55	30.00
6345MHz	Pass	26.44	30.00
6505MHz	Pass	26.65	30.00
6665MHz	Pass	27.18	30.00
6825MHz	Pass	26.85	30.00
6985MHz	Pass	27.08	30.00
802.11be EHT320_Nss4,(MCS0)_4TX	-	-	-
6105MHz	Pass	28.60	30.00
6265MHz	Pass	28.66	30.00
6425MHz	Pass	28.61	30.00
6585MHz	Pass	28.57	30.00
6745MHz	Pass	29.73	30.00
6905MHz	Pass	25.84	30.00

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

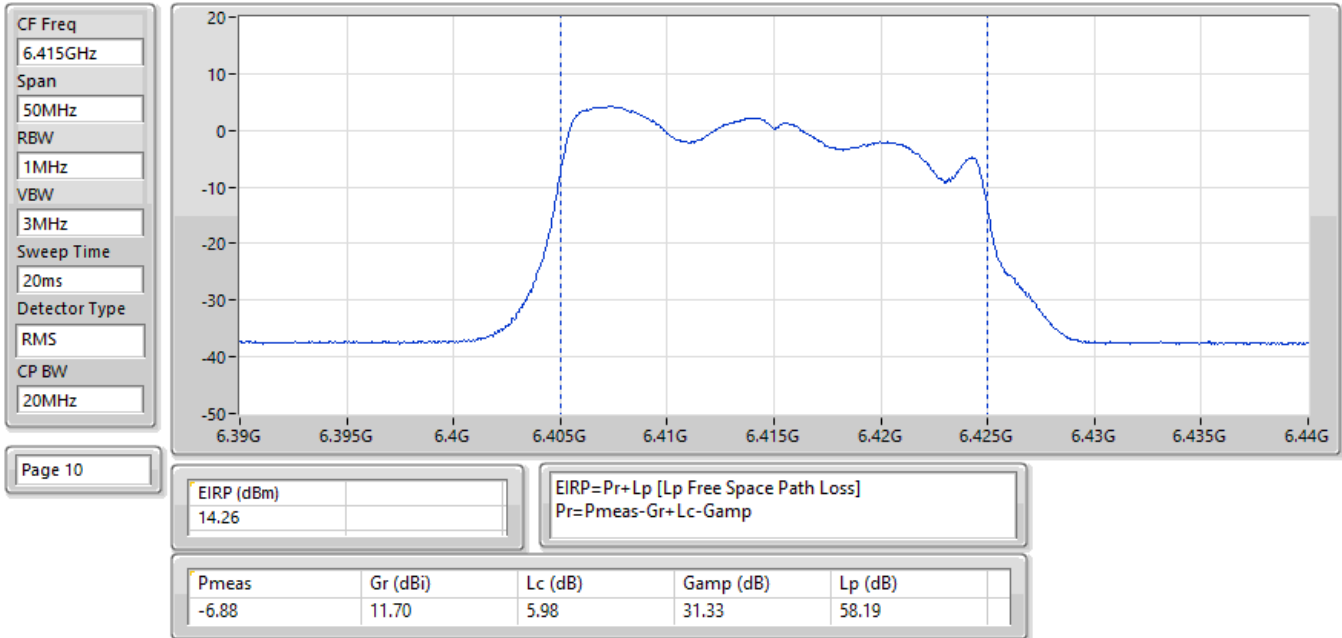
EIRP;Band:6.2G;be20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5955MHz;TX



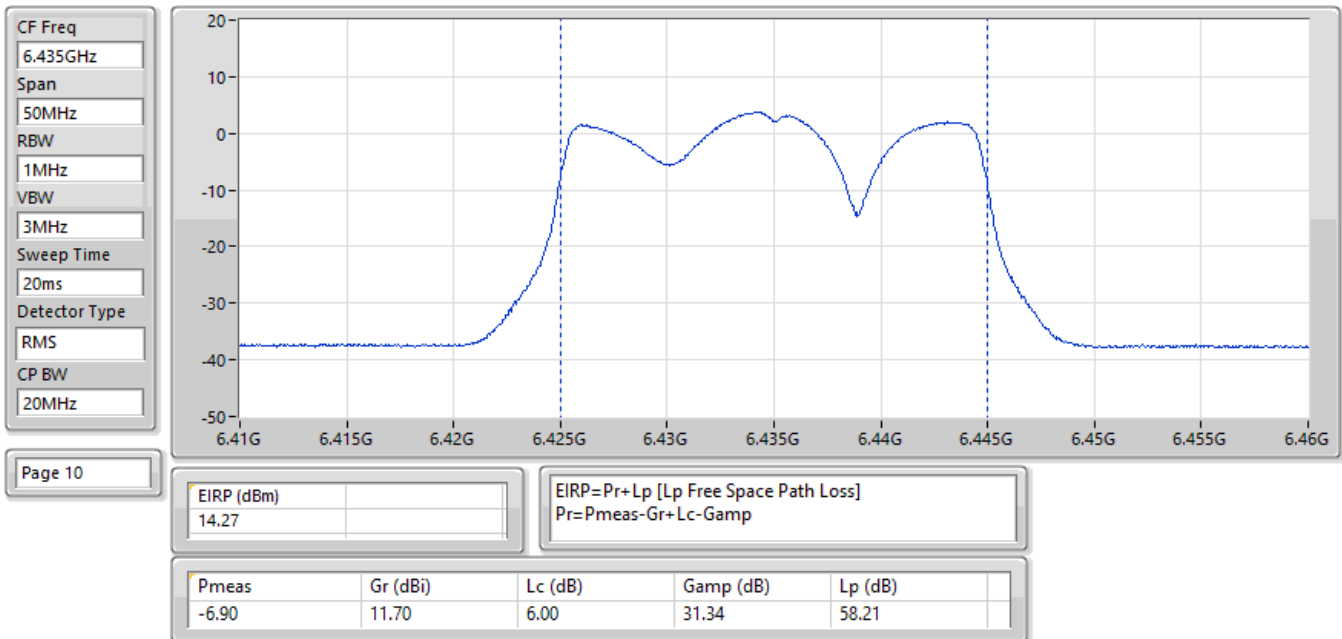
EIRP;Band:6.2G;be20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6195MHz;TX



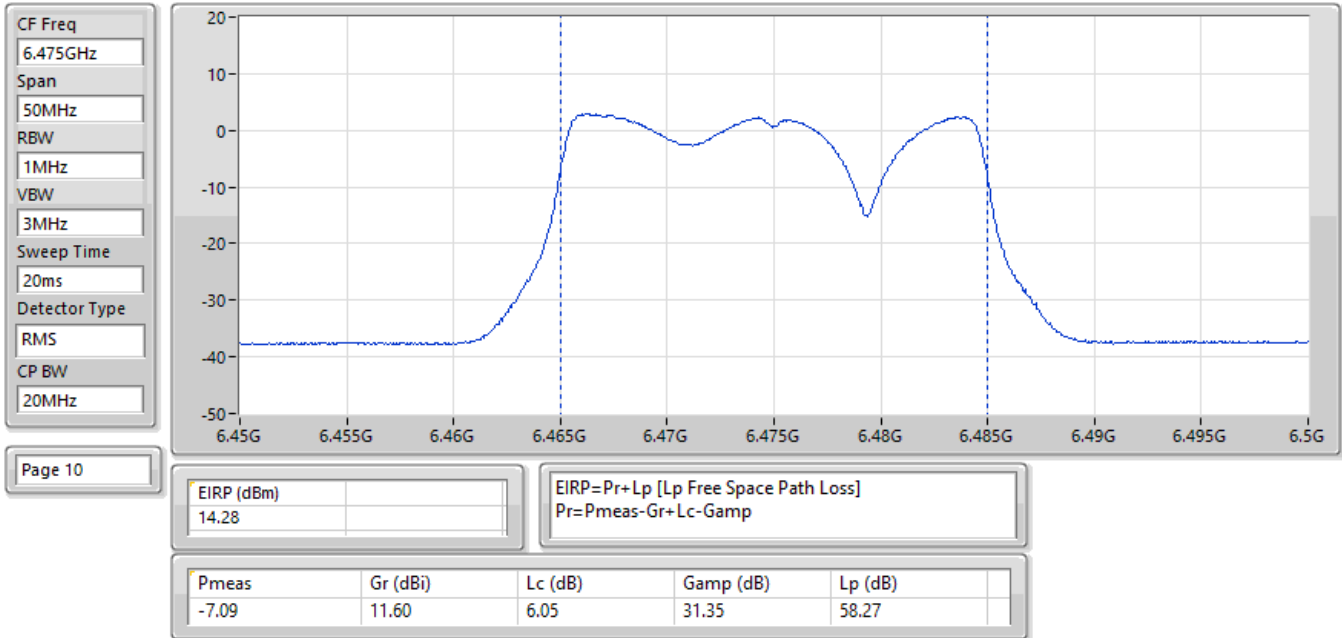
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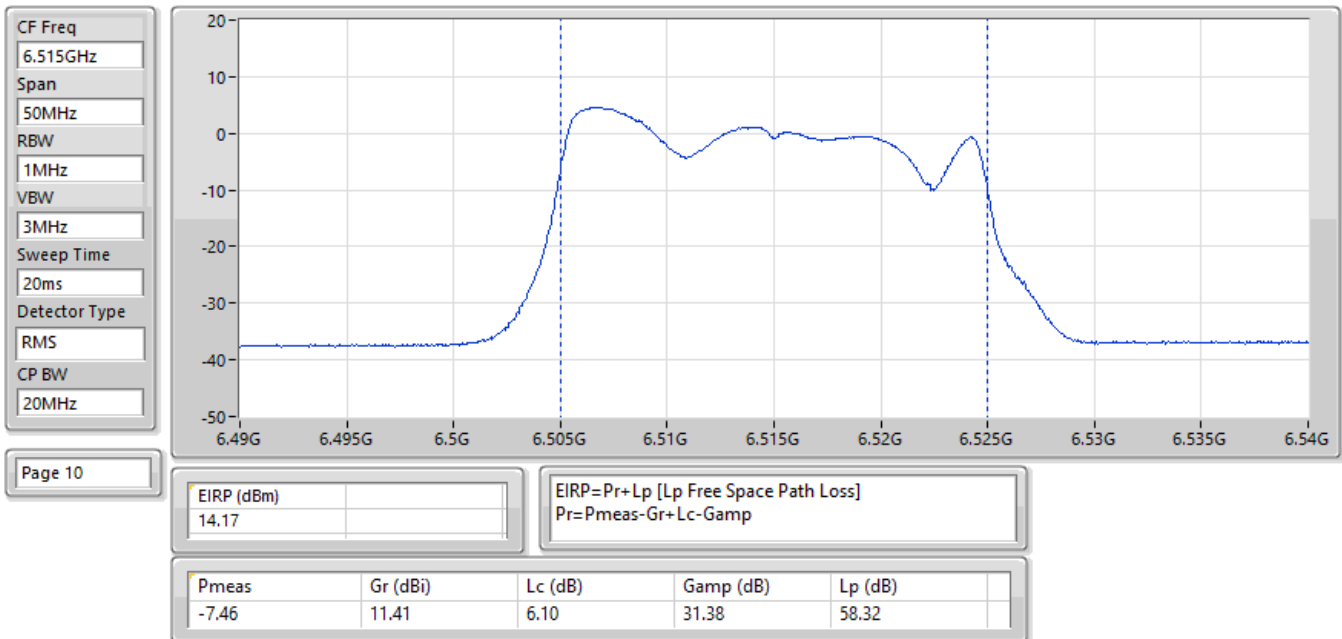
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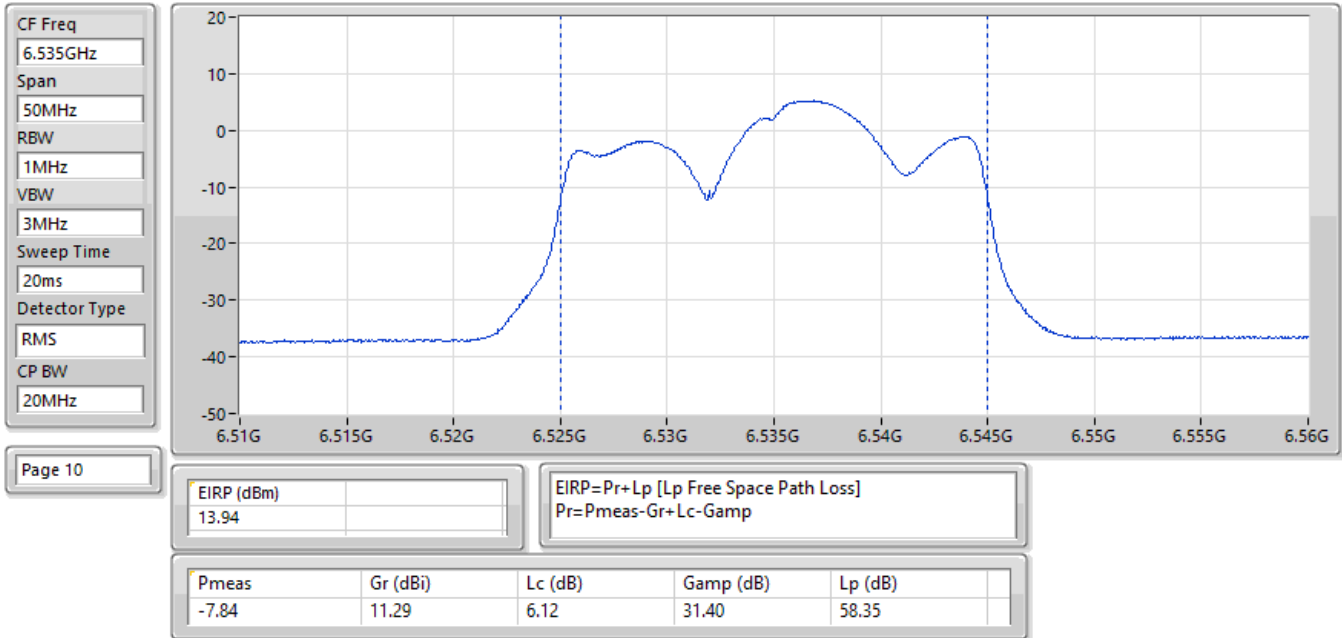
EIRP:Band:6.4G;be20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6475MHz;TX



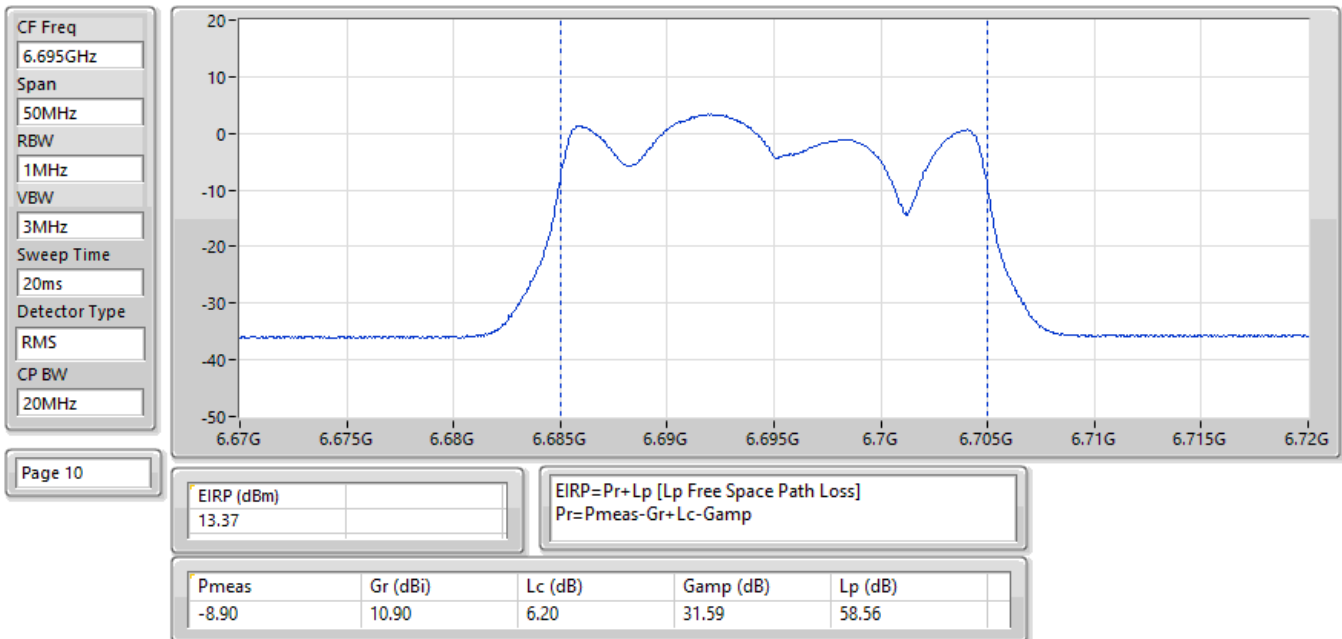
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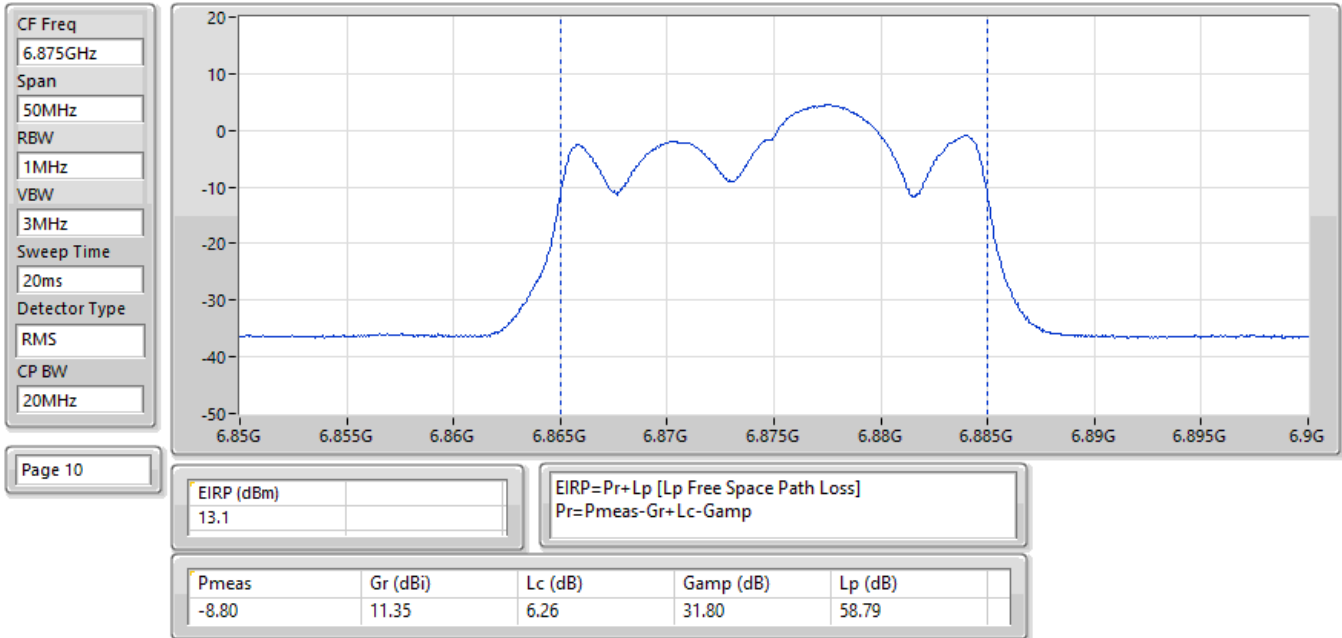
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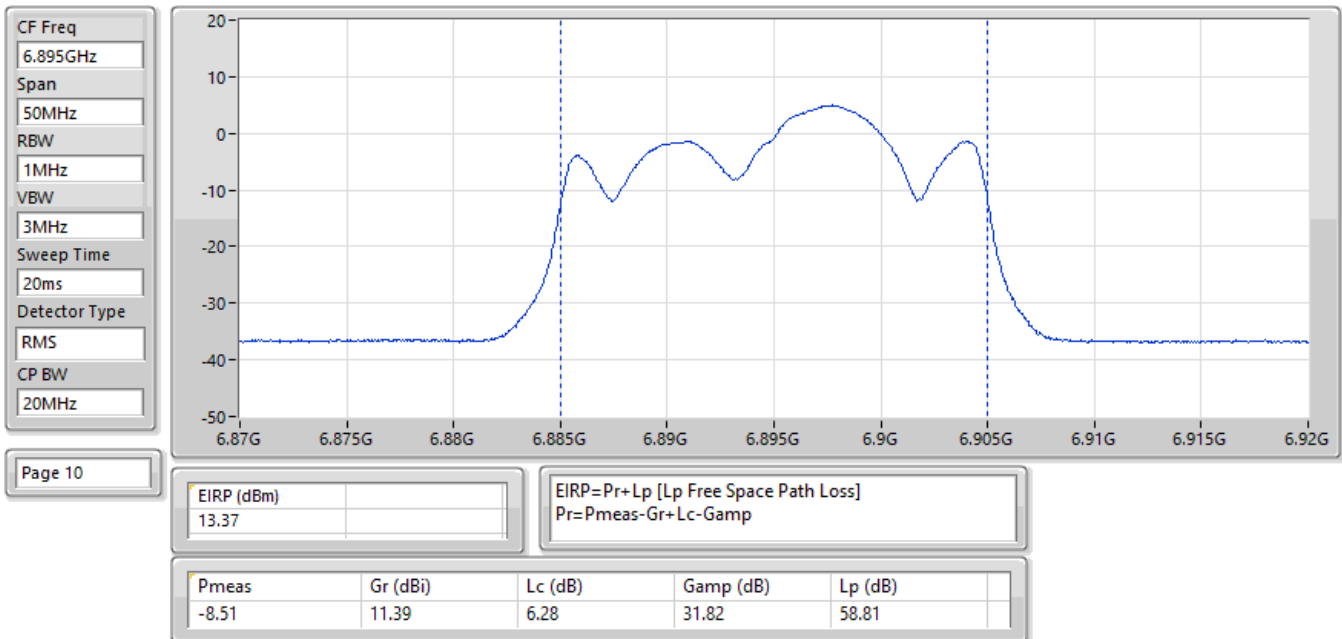
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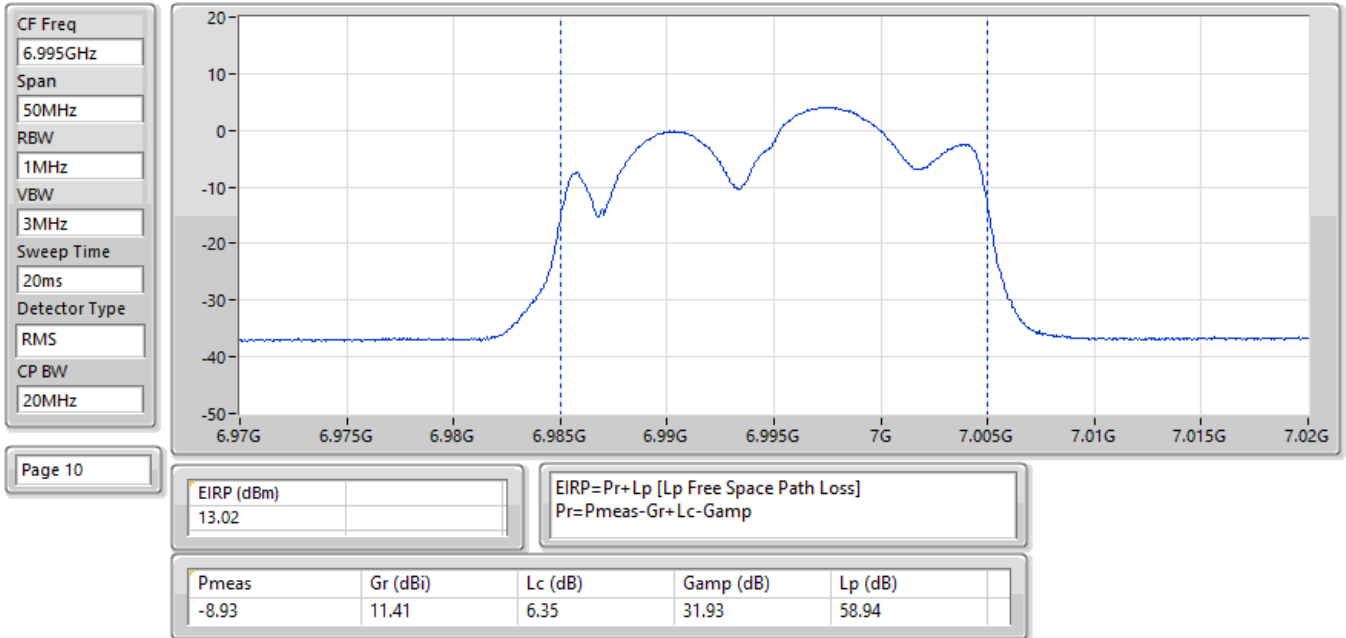
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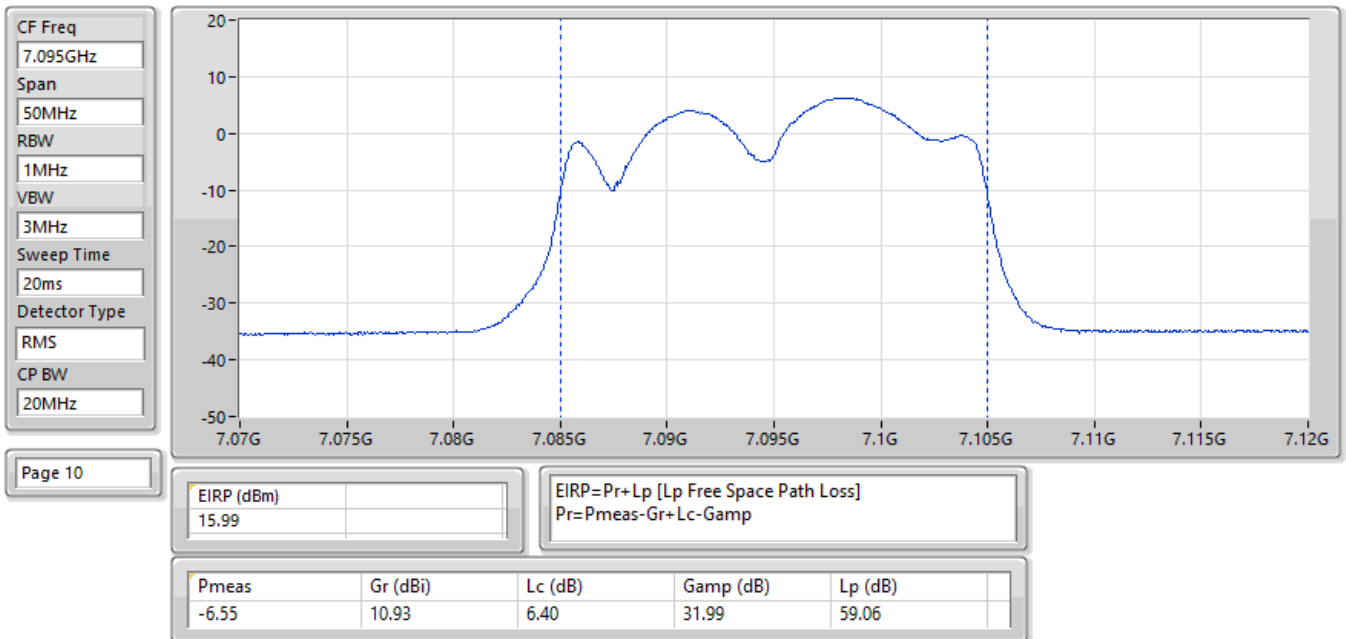
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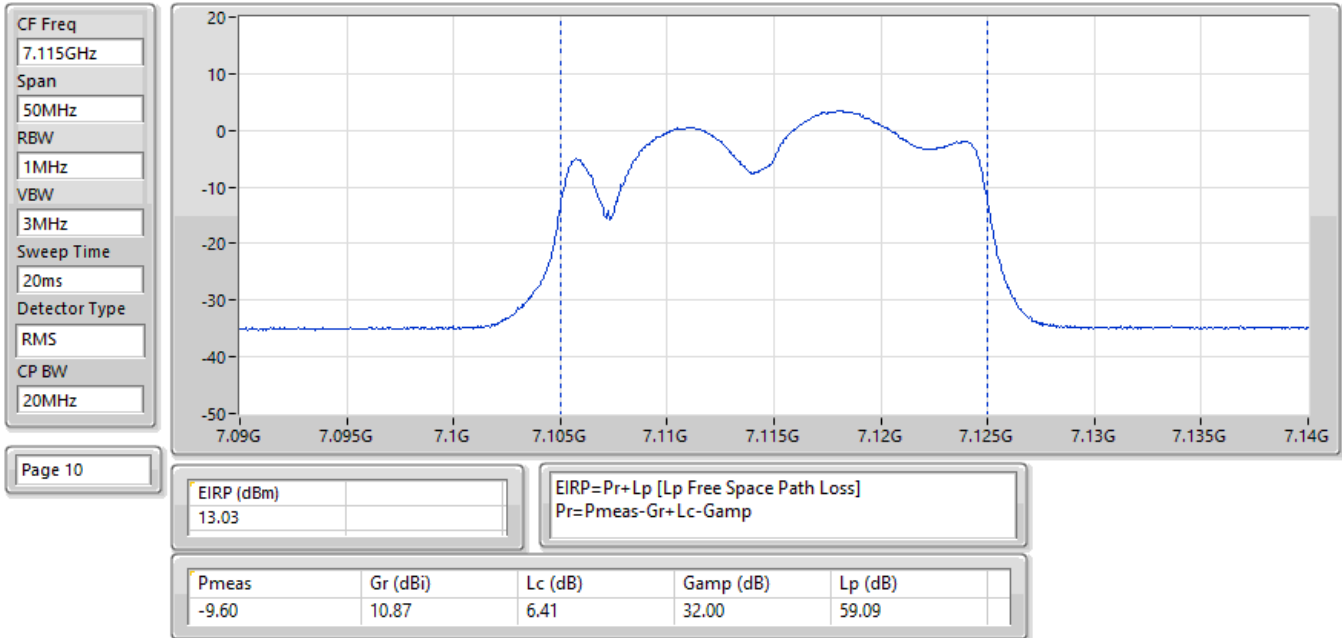
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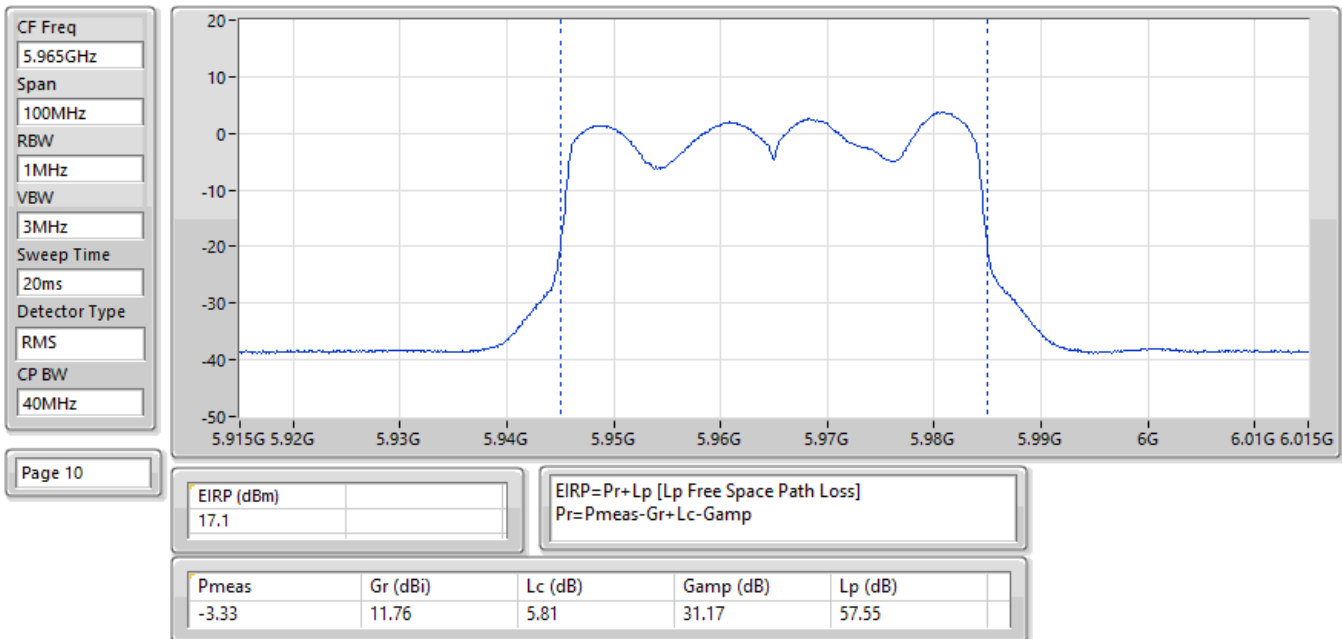
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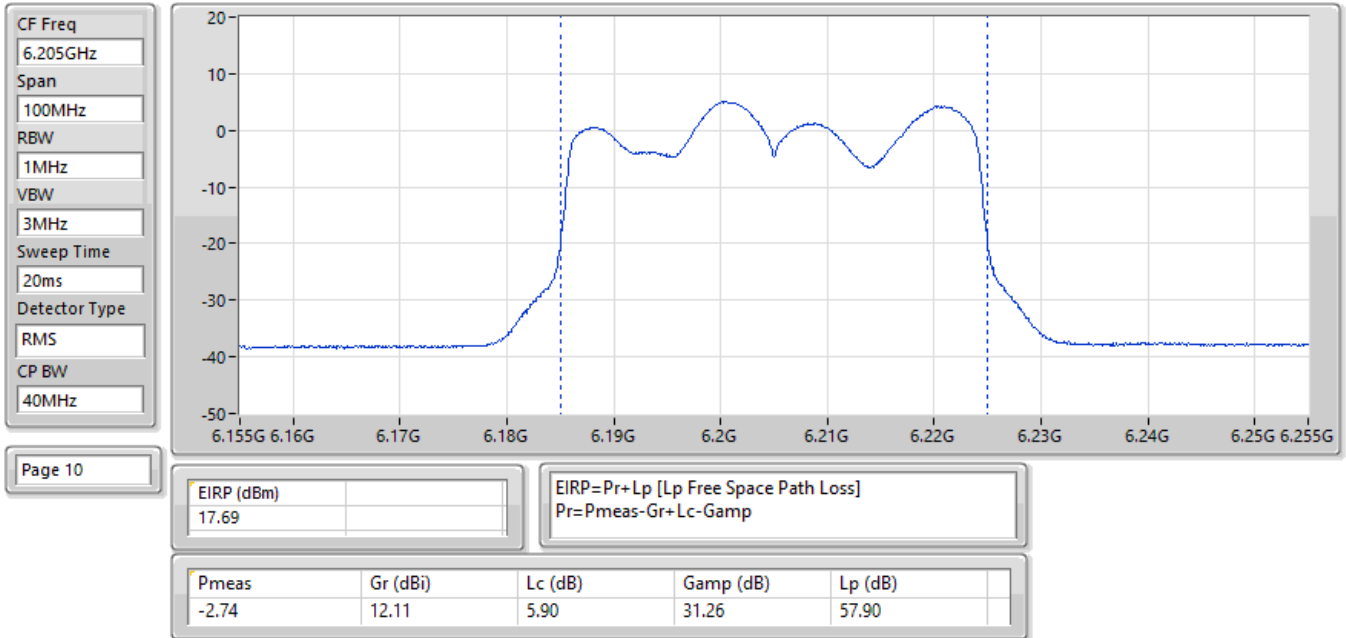
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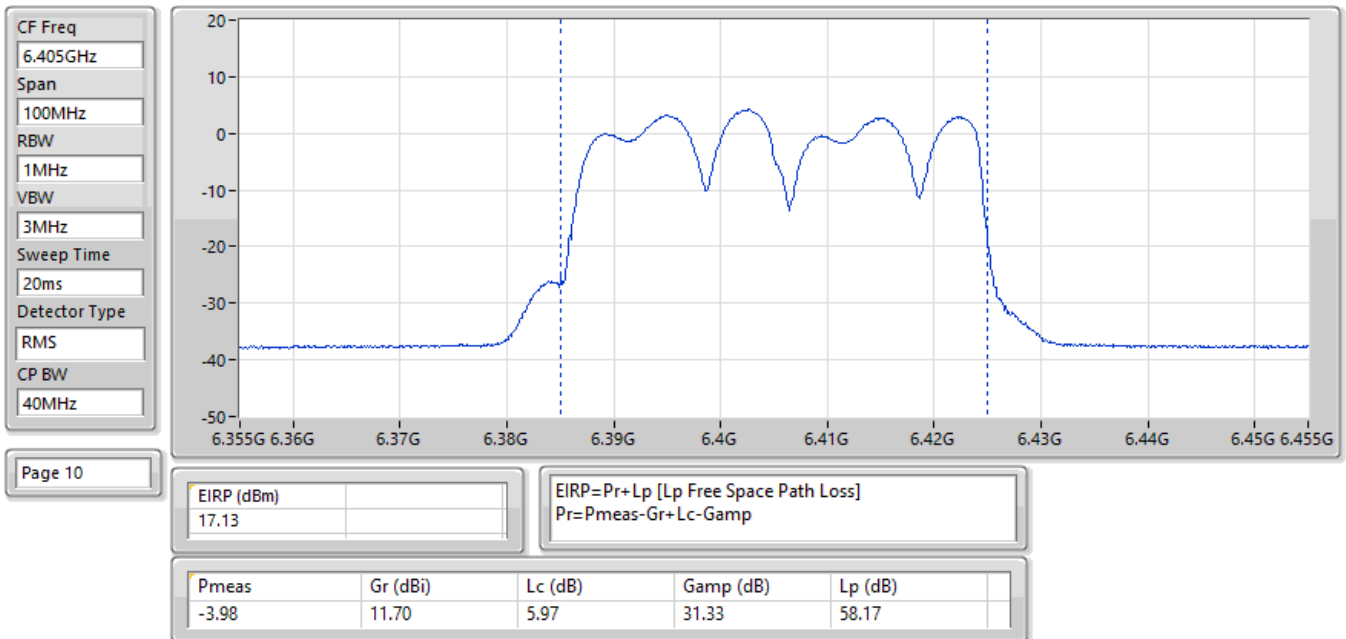
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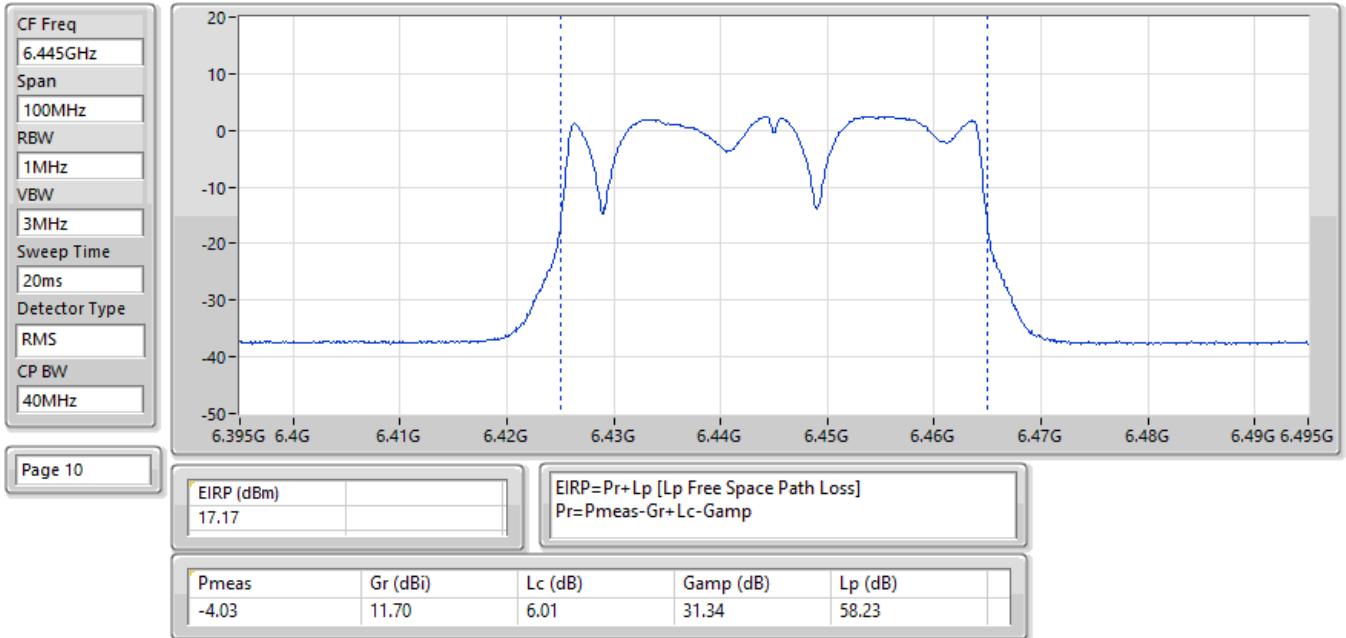
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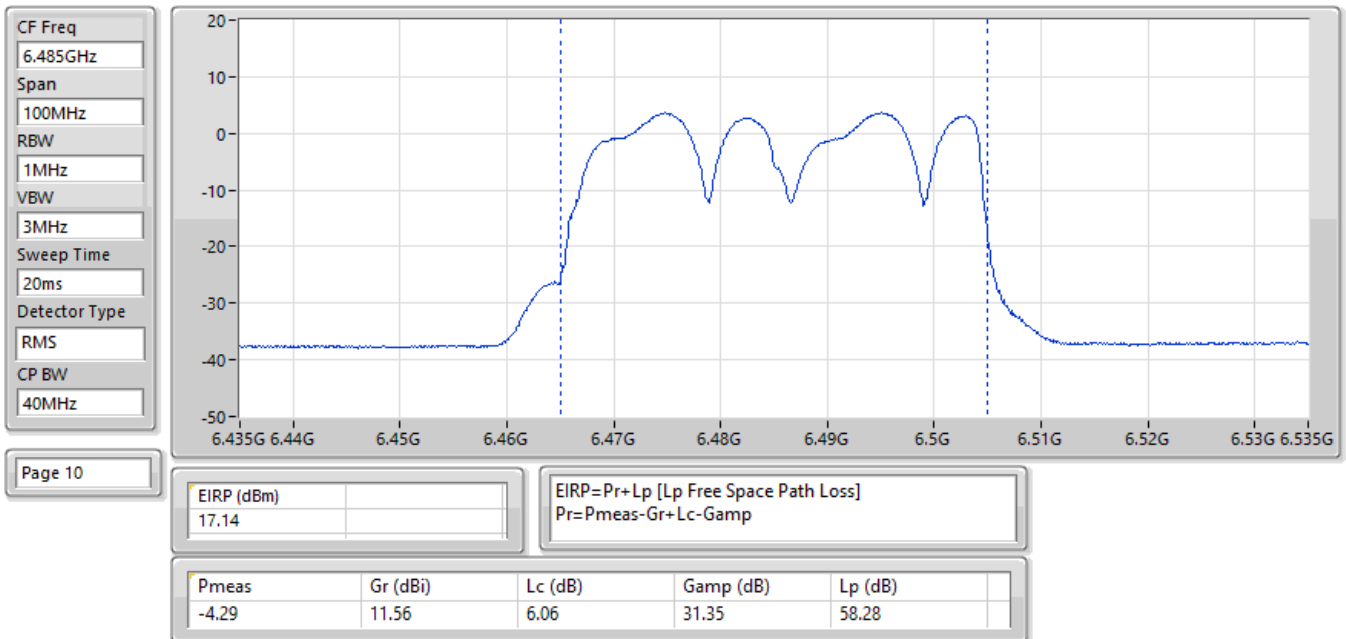
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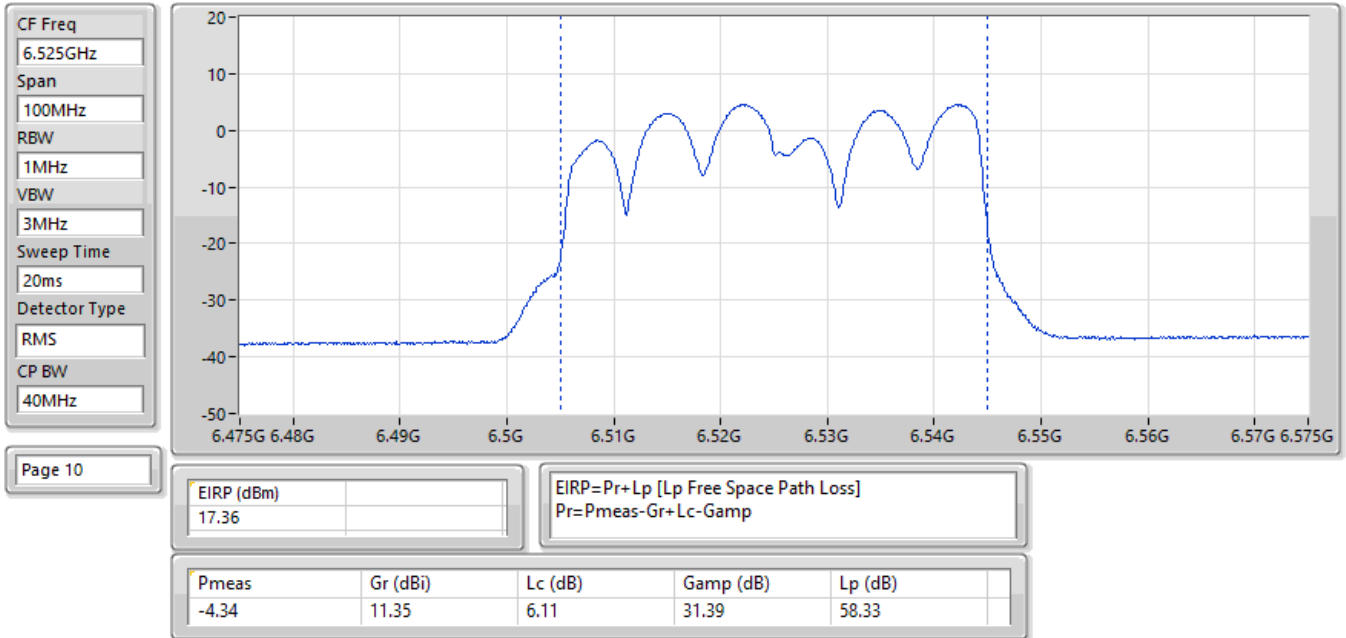
EIRP:Band:6.4G;be40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6445MHz;TX



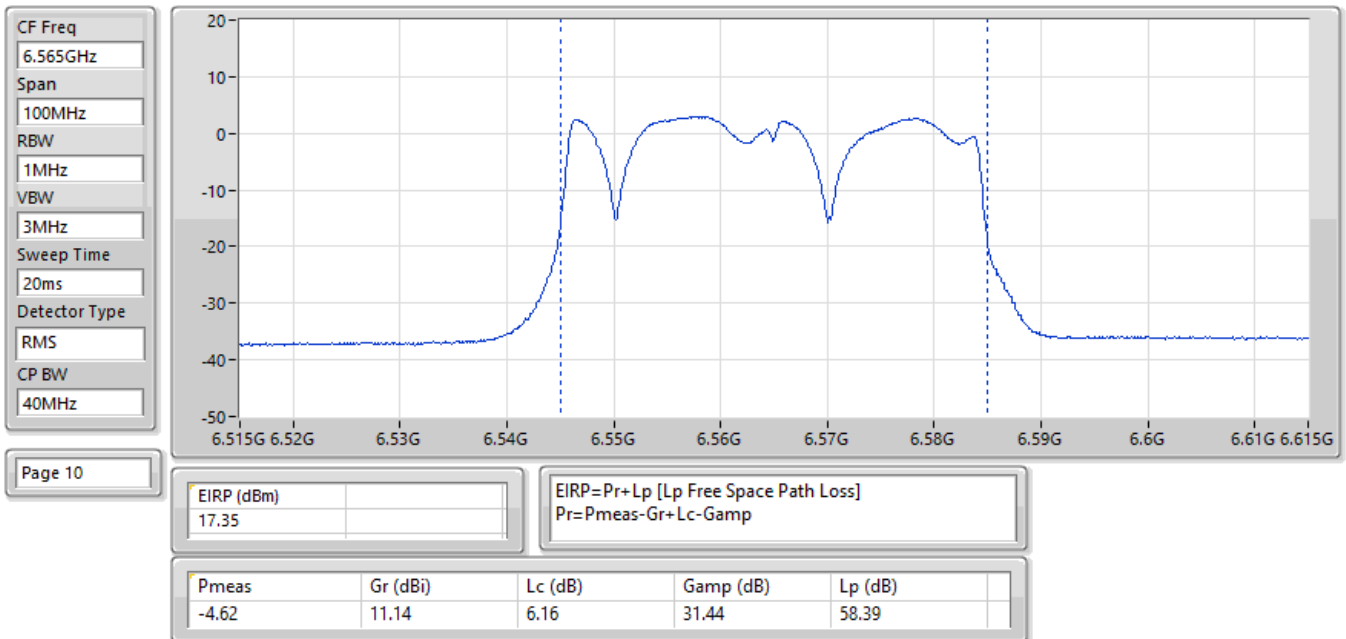
EIRP:Band:6.4G;be40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6485MHz;TX



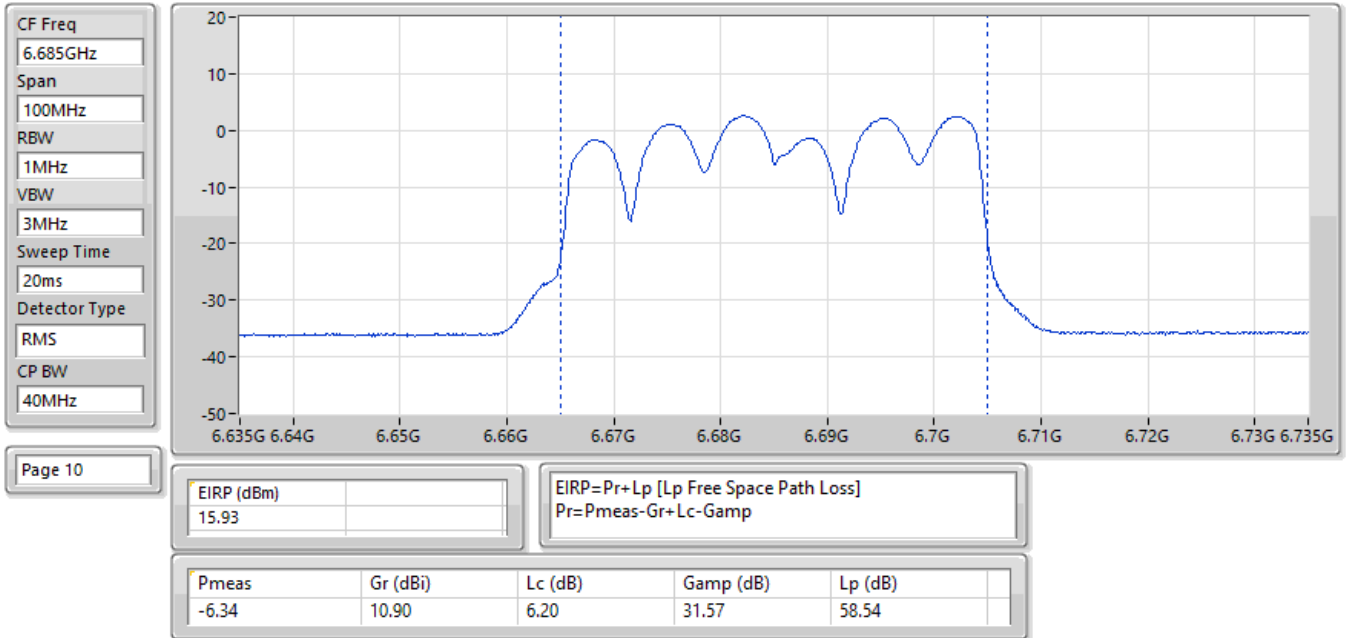
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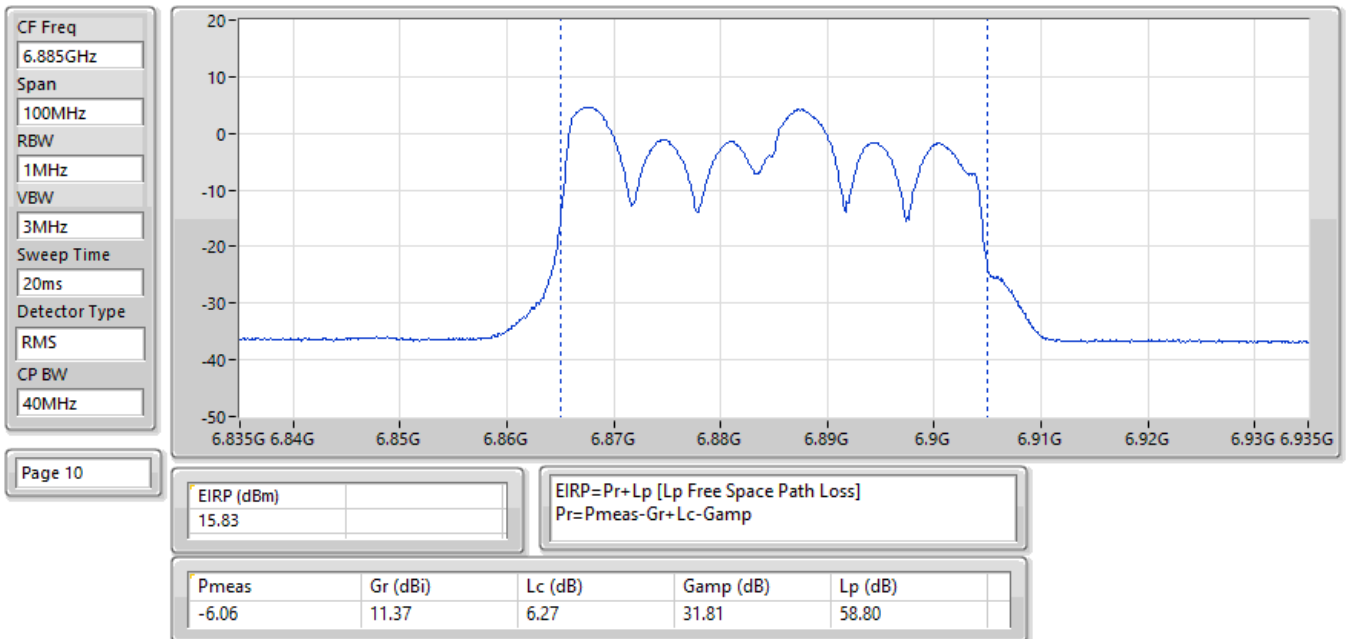
EIRP:Band:6.7G;be40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6565MHz;TX



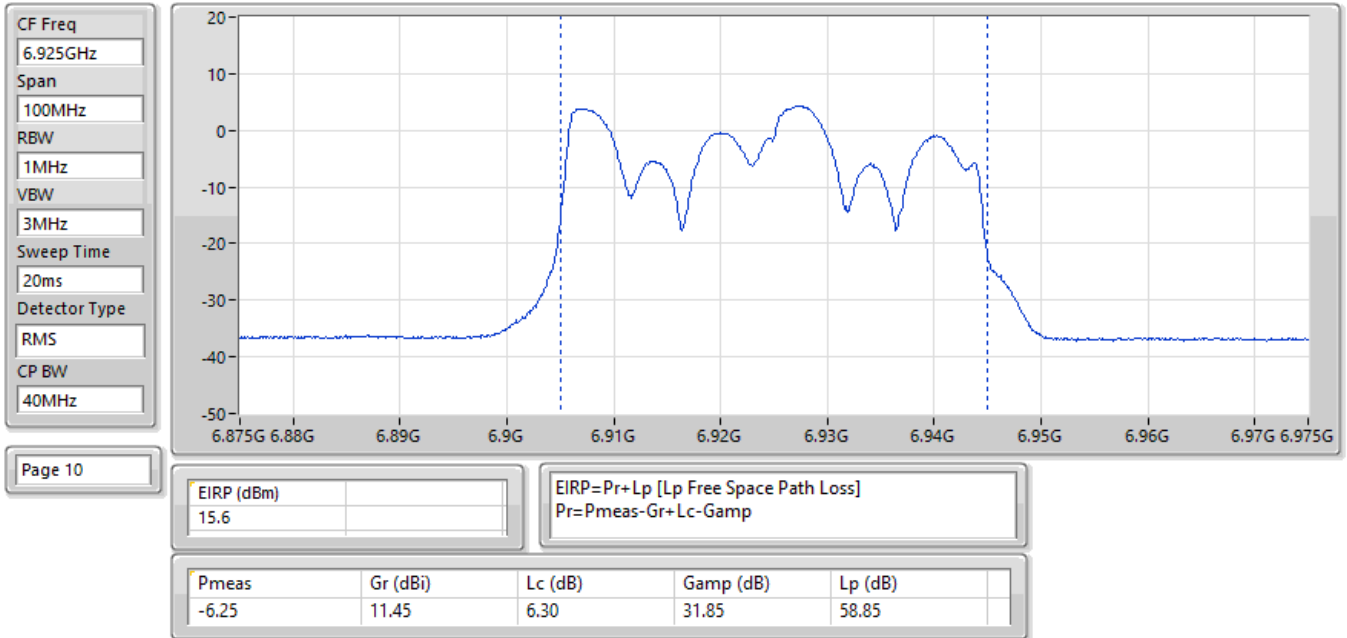
EIRP:Band:6.7G;be40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6685MHz;TX



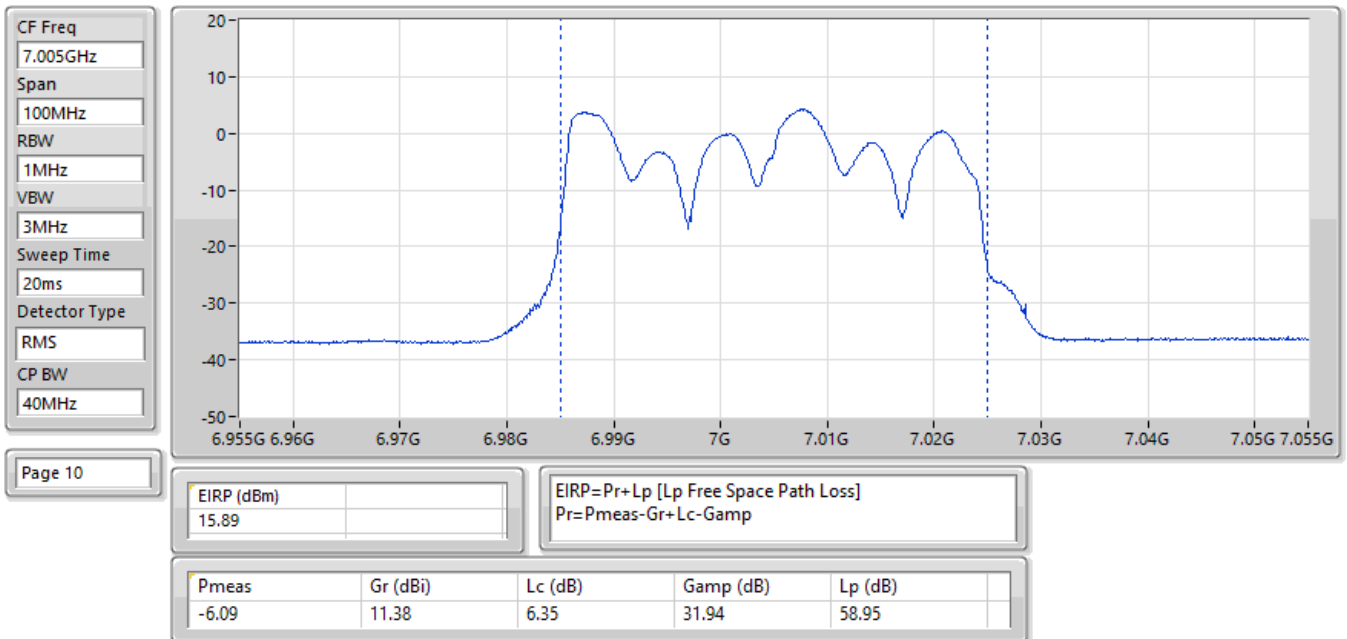
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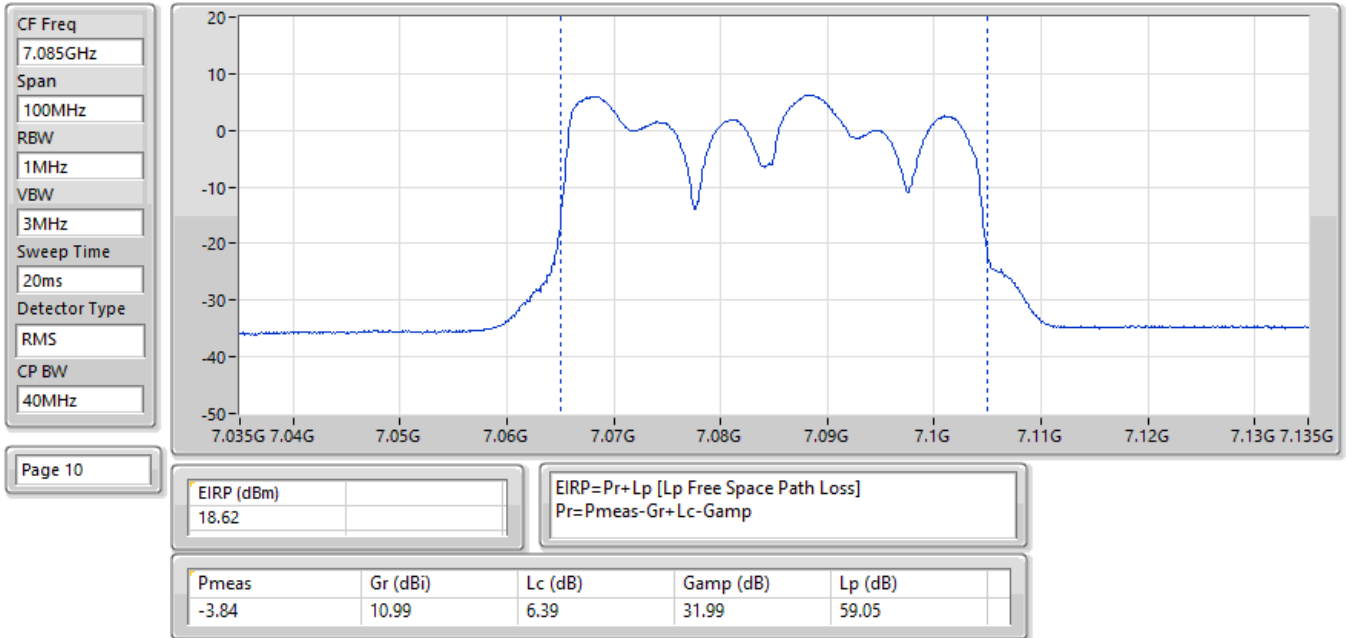
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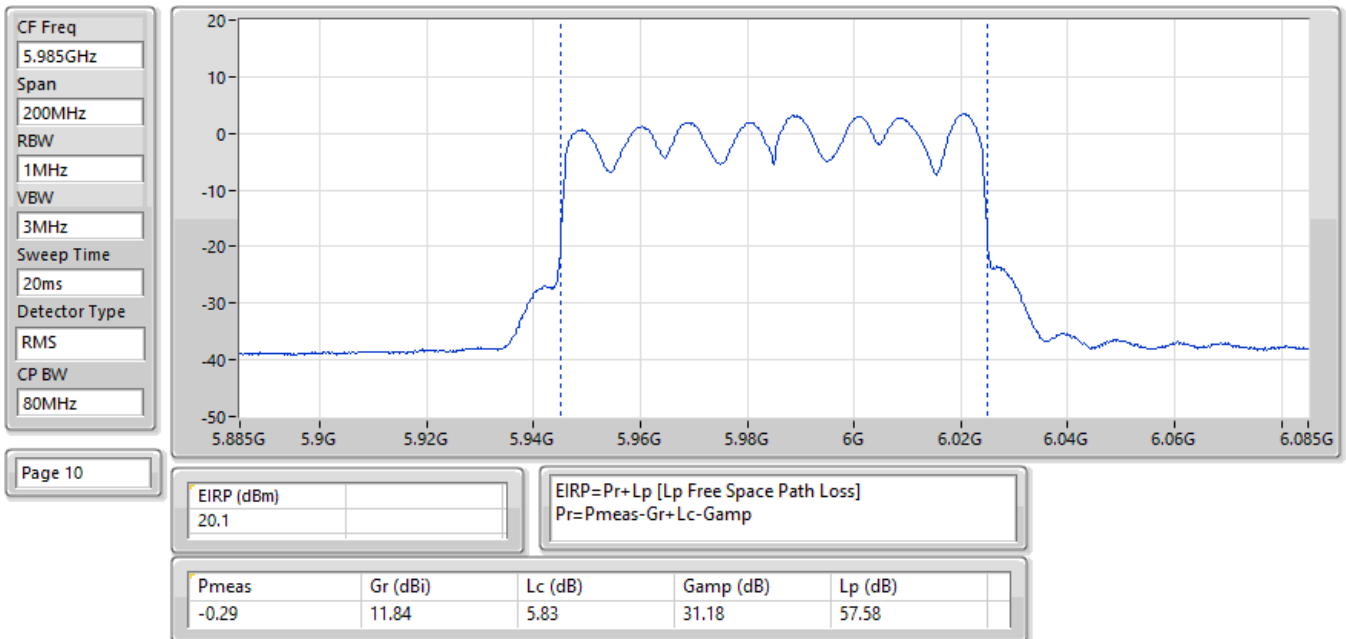
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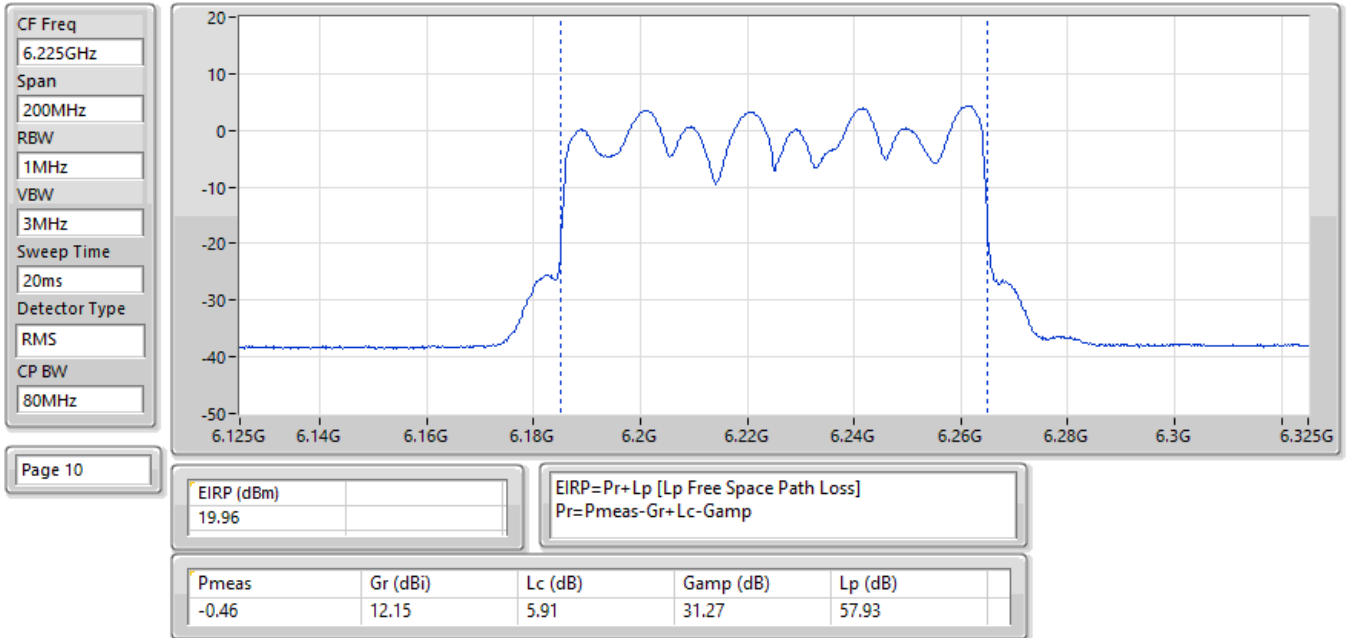
EIRP:Band:7.0G;be40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:7085MHz;TX



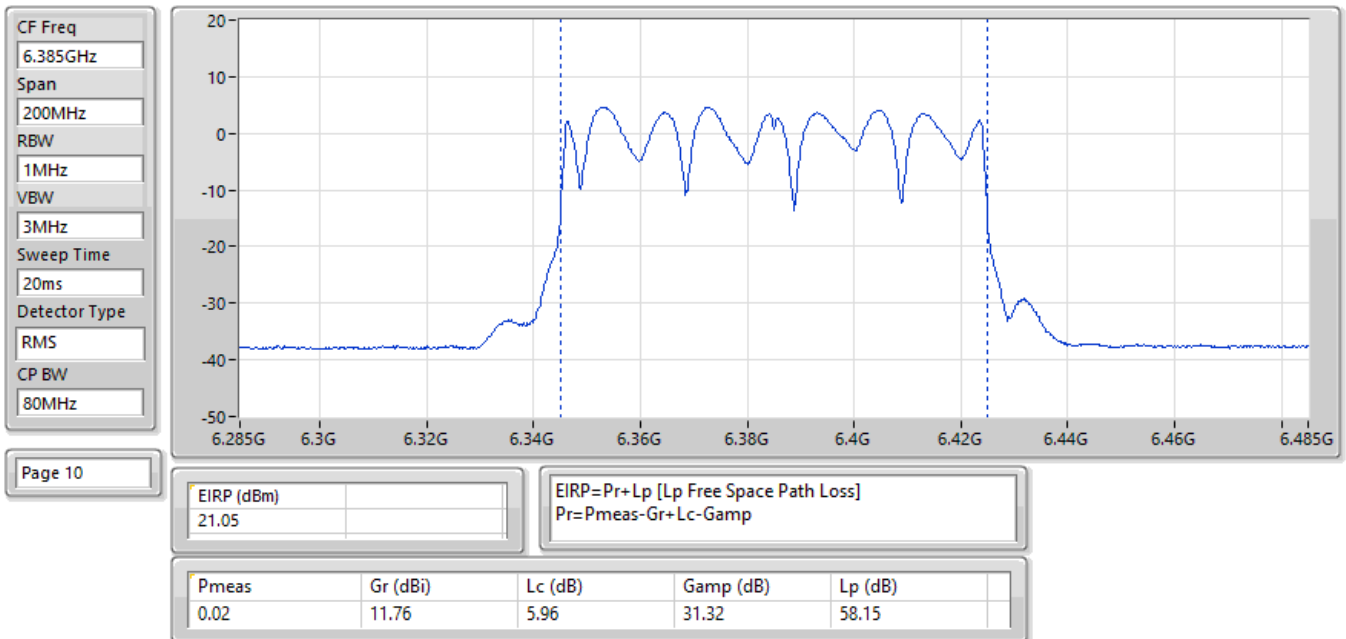
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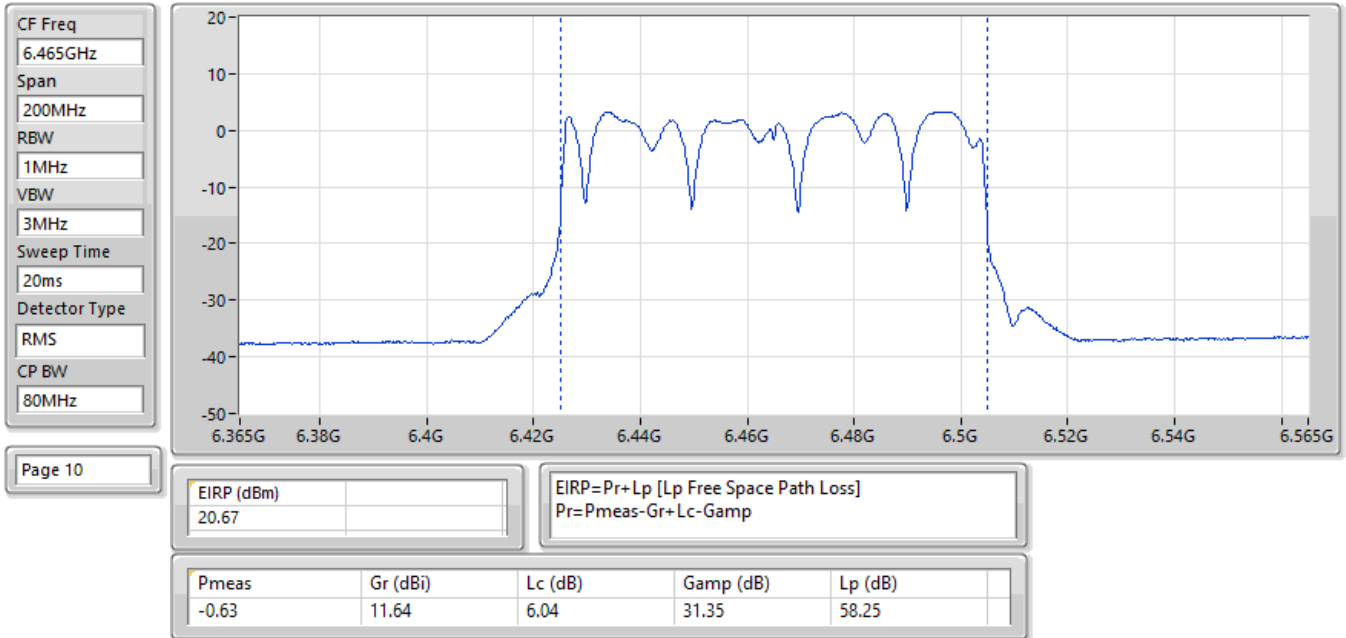
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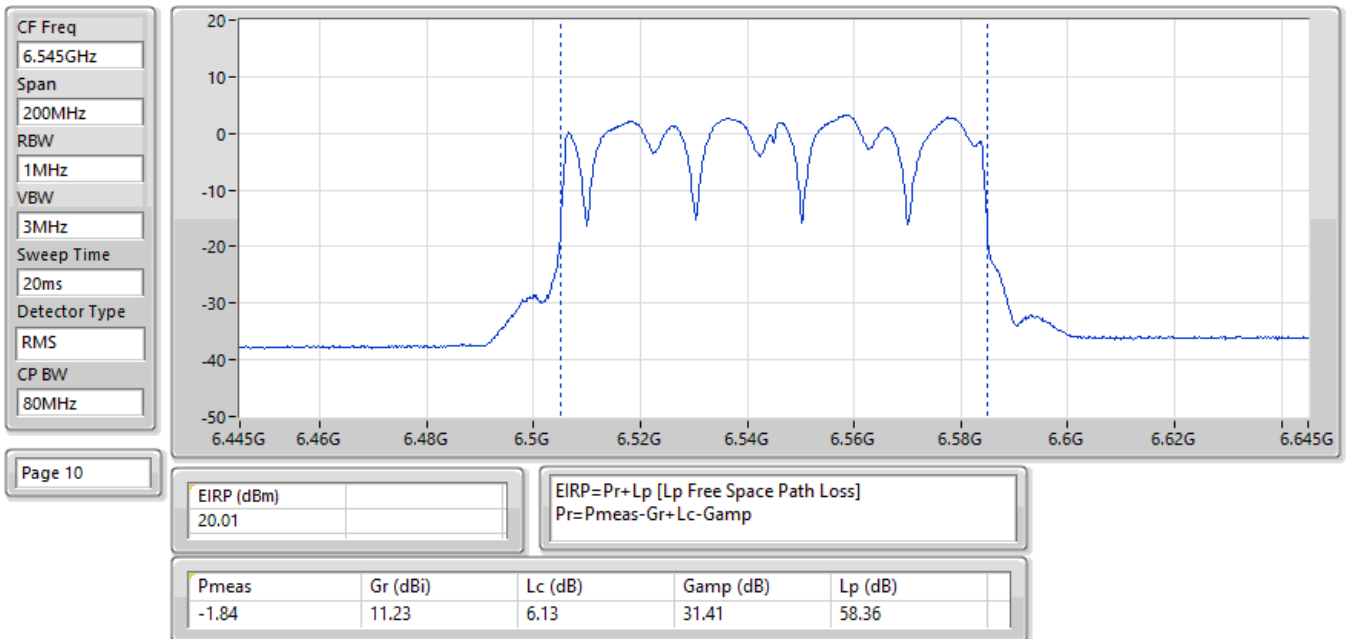
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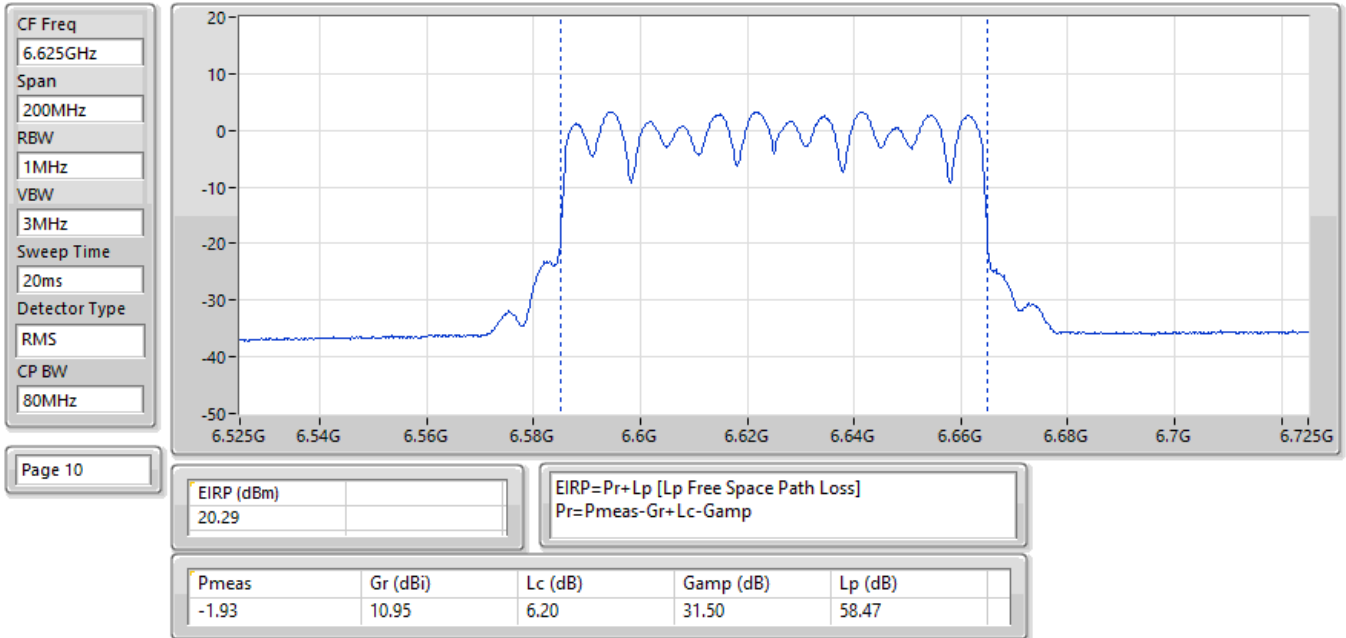
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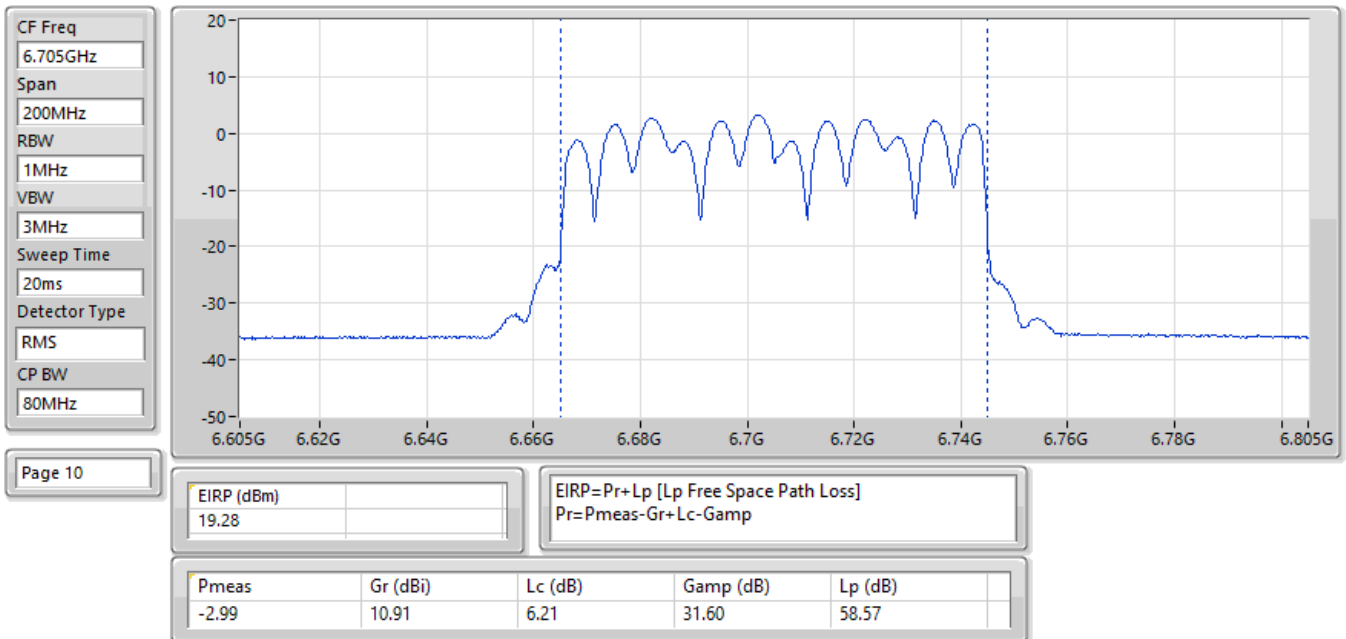
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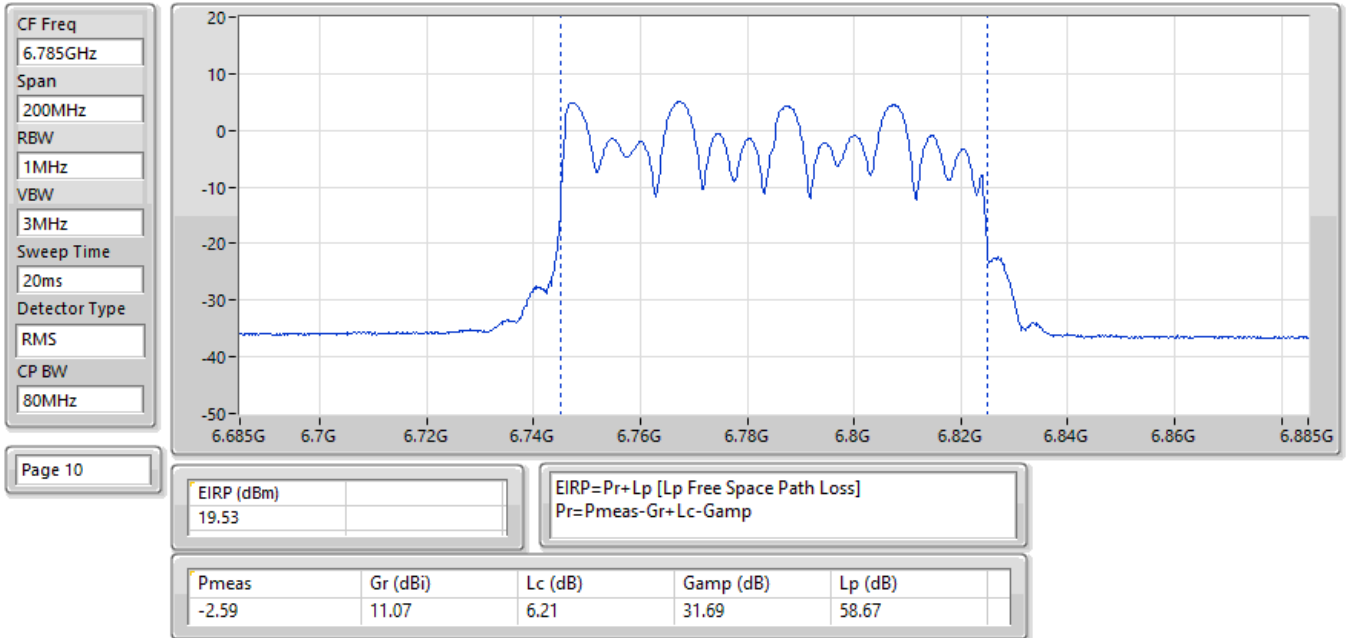
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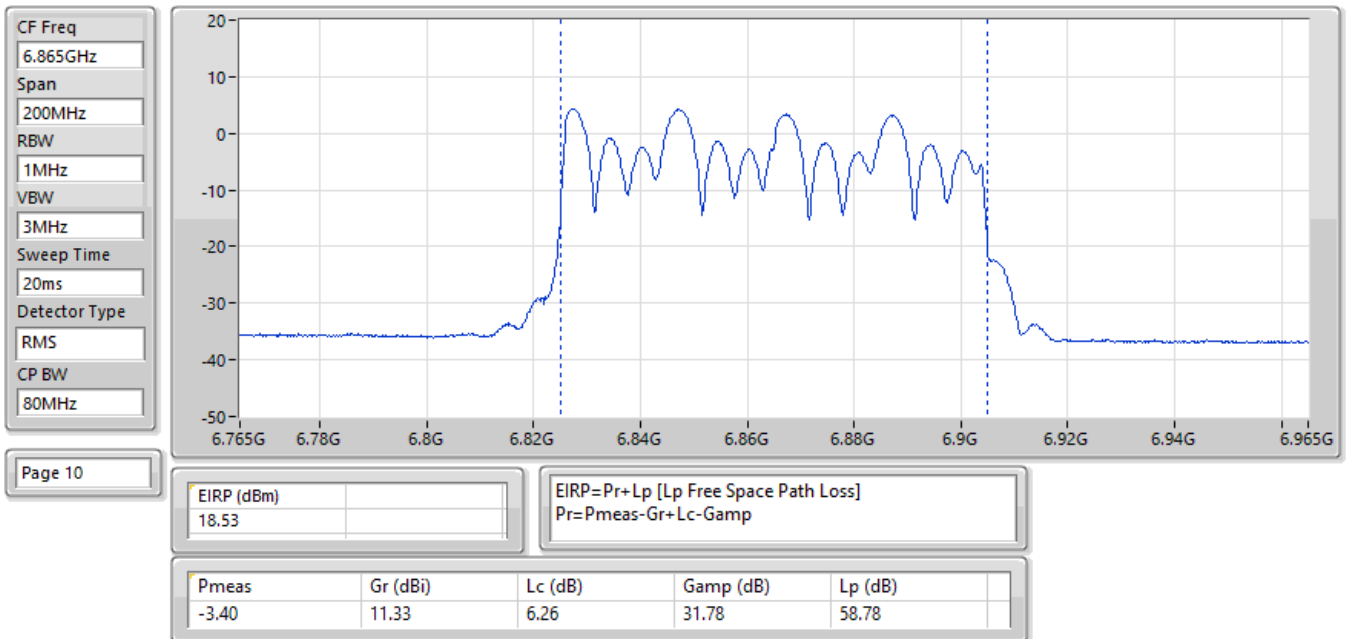
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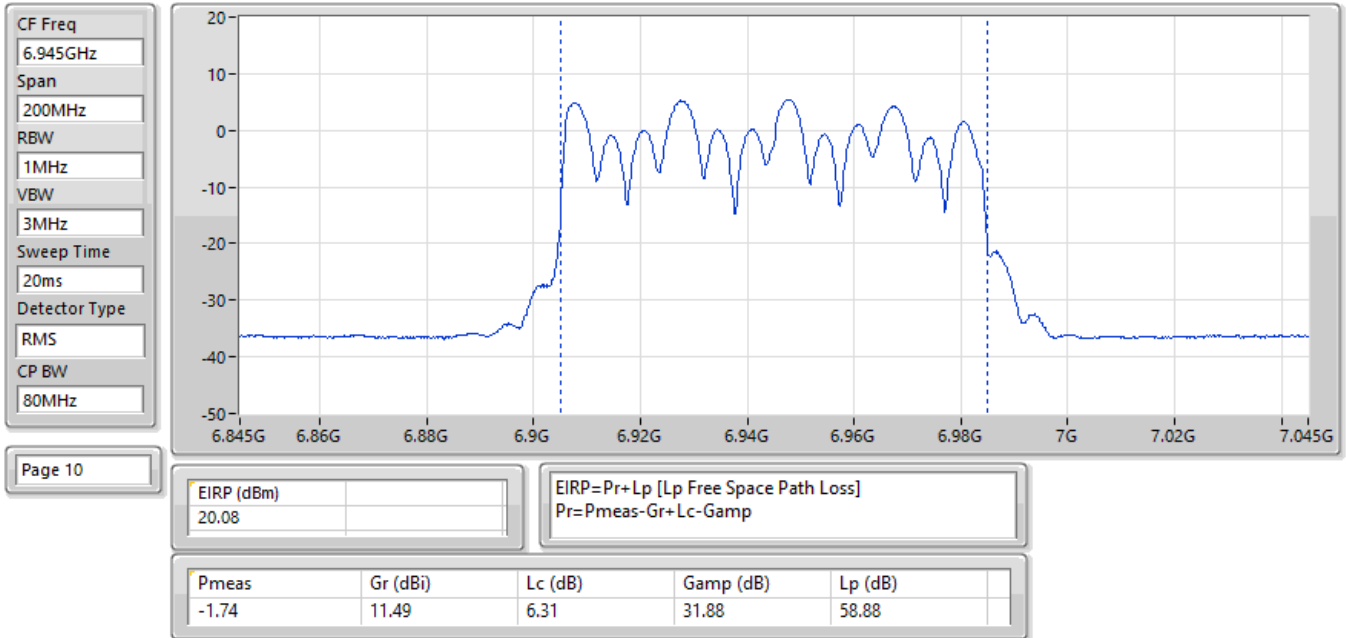
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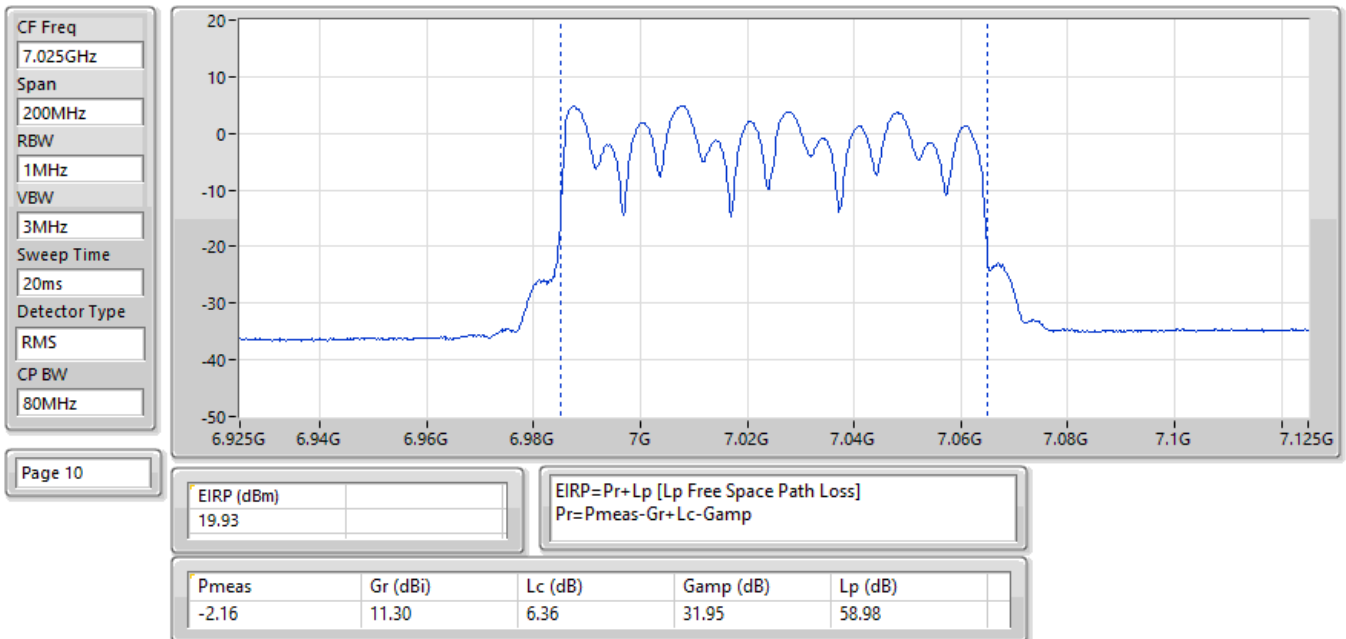
EIRP:Band:6.7G;be80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6865MHz;TX



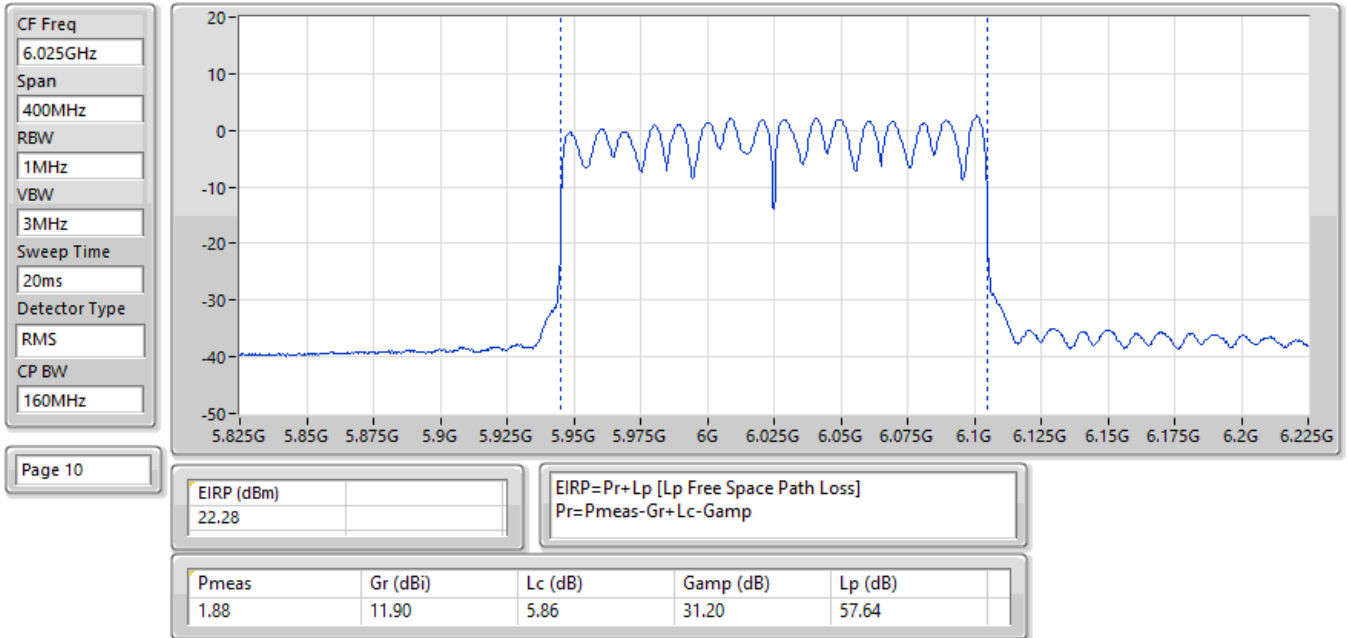
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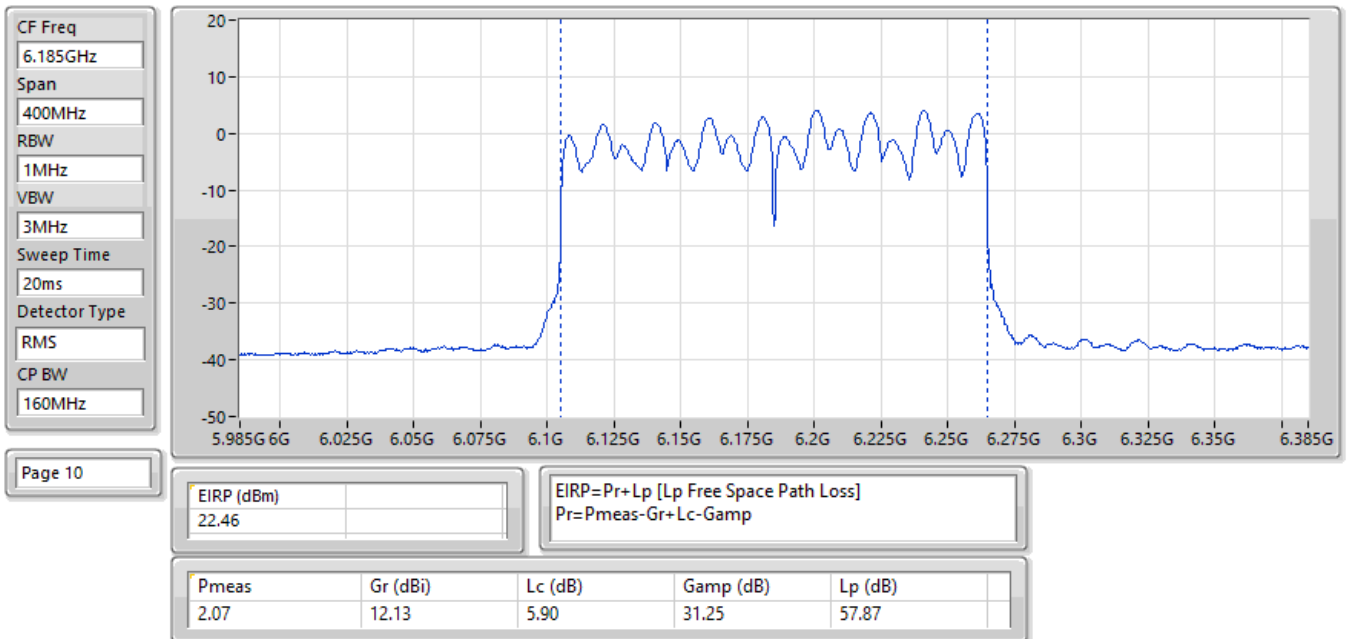
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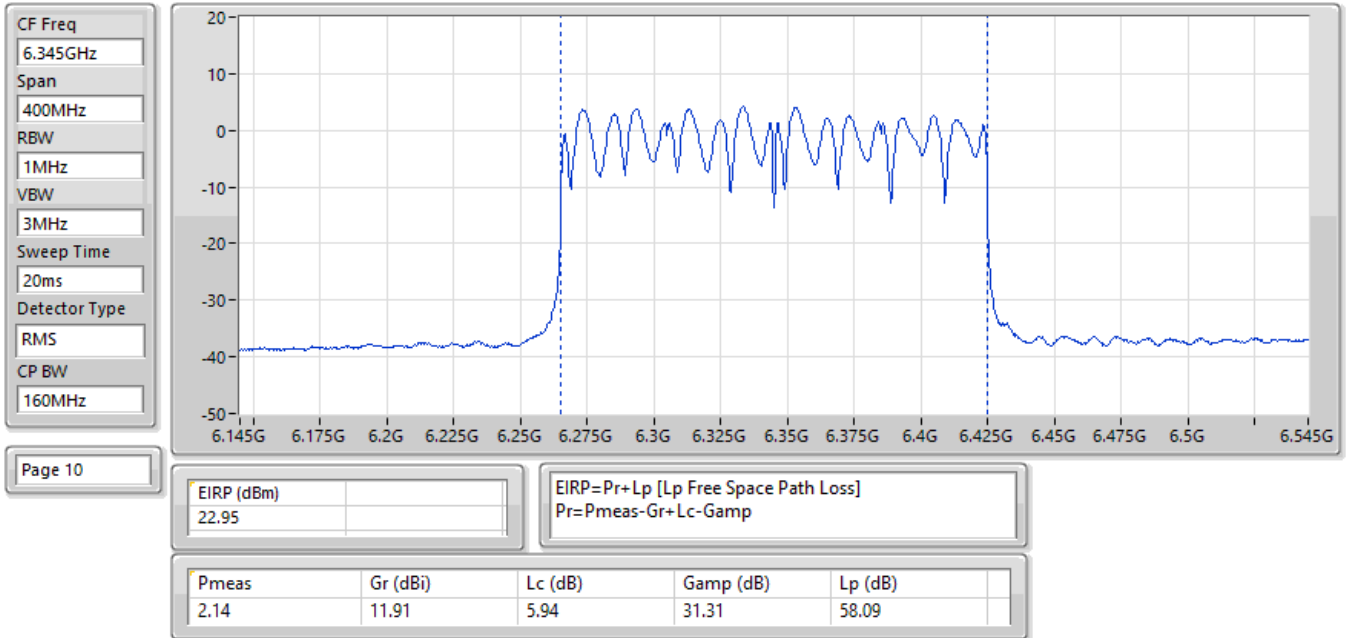
EIRP;Band:6.2G;be160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6025MHz;TX



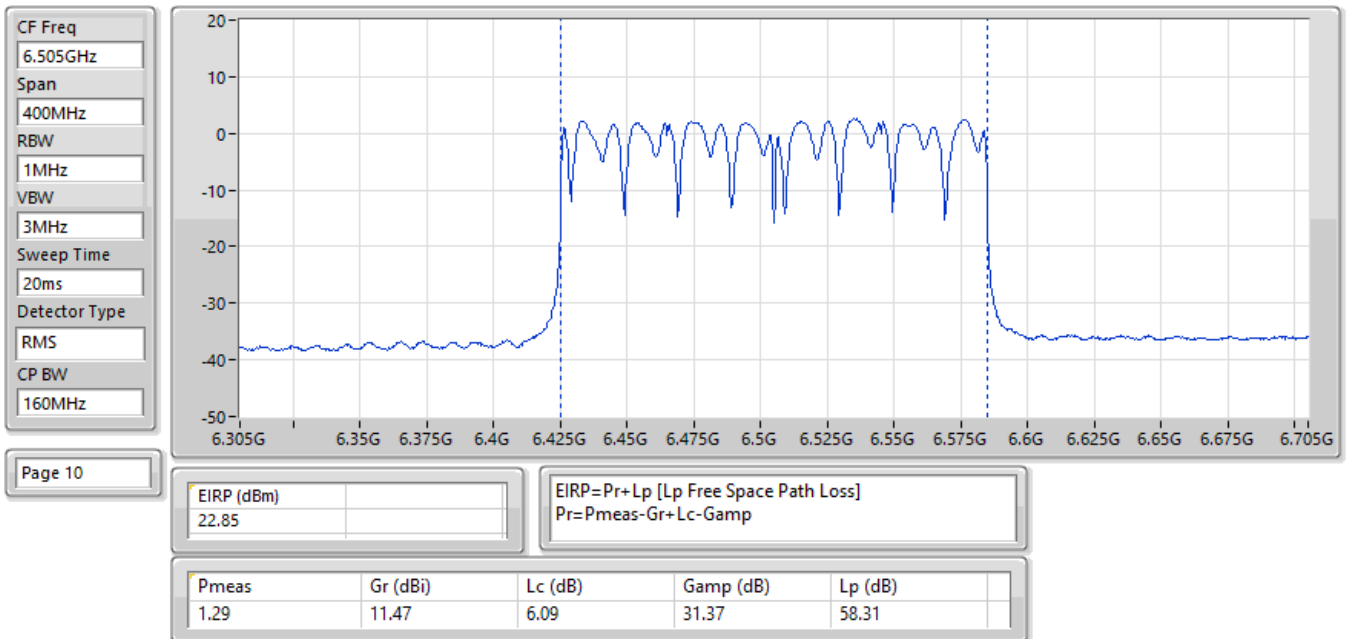
EIRP;Band:6.2G;be160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6185MHz;TX



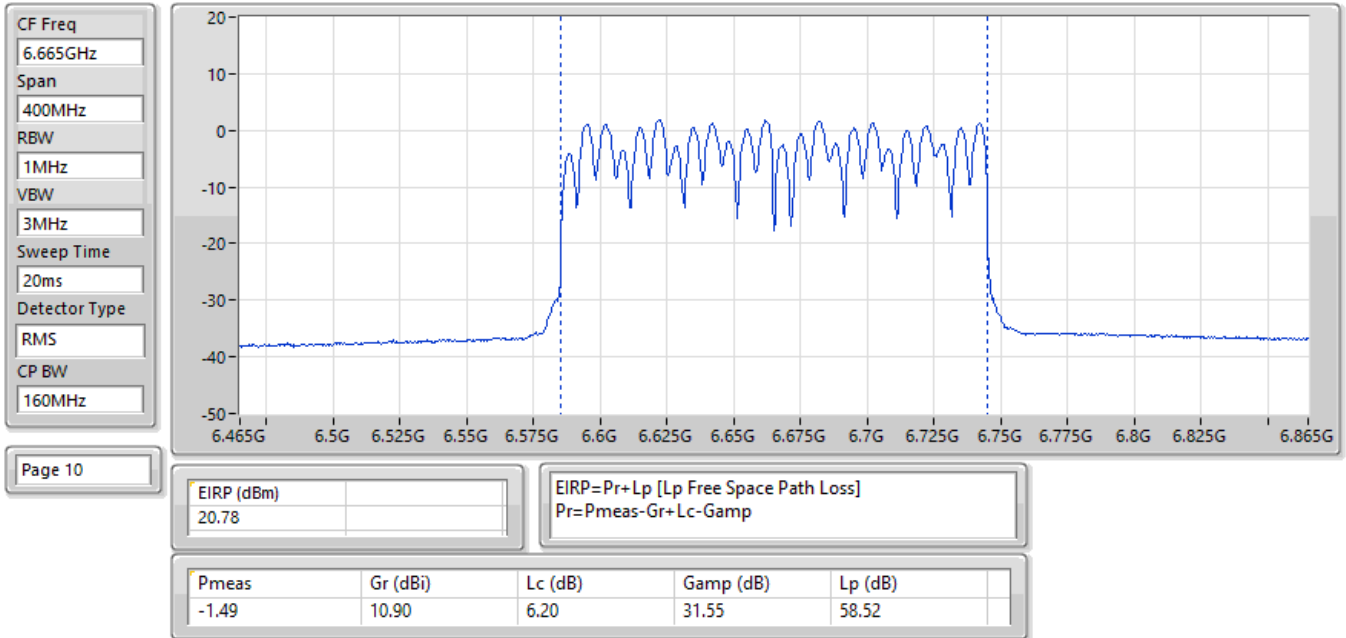
EIRP;Band:6.2G;be160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6345MHz;TX



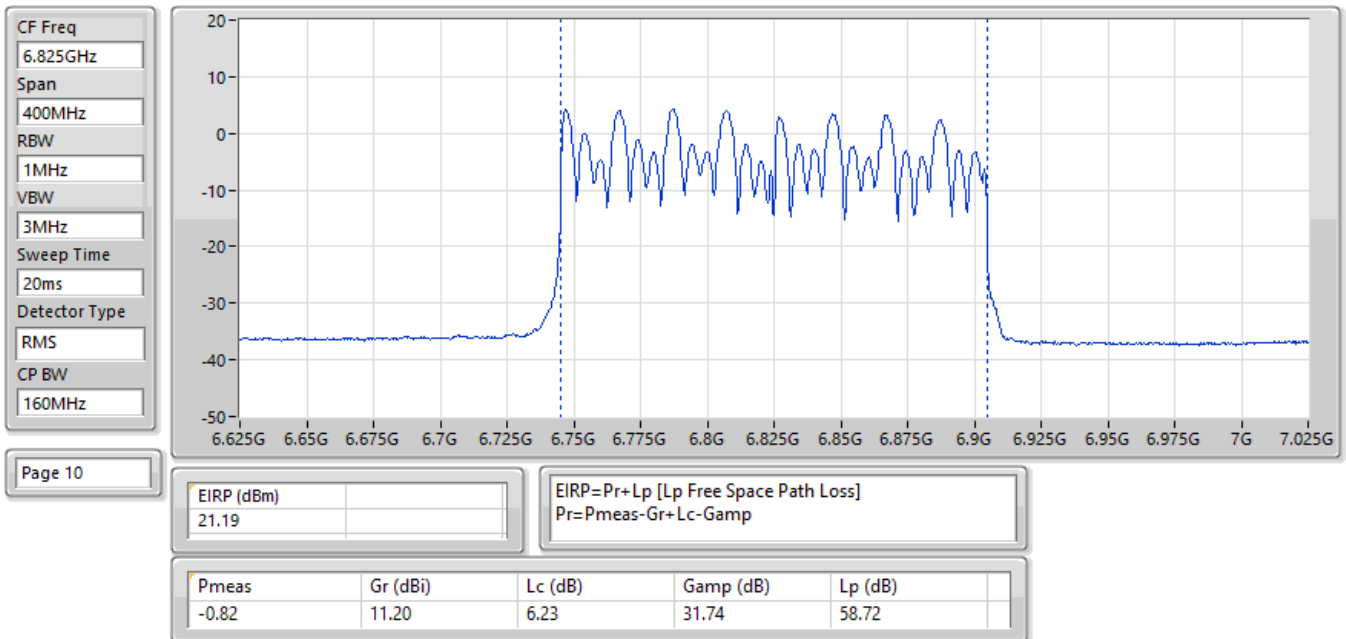
EIRP;Band:6.4G;be160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6505MHz;TX



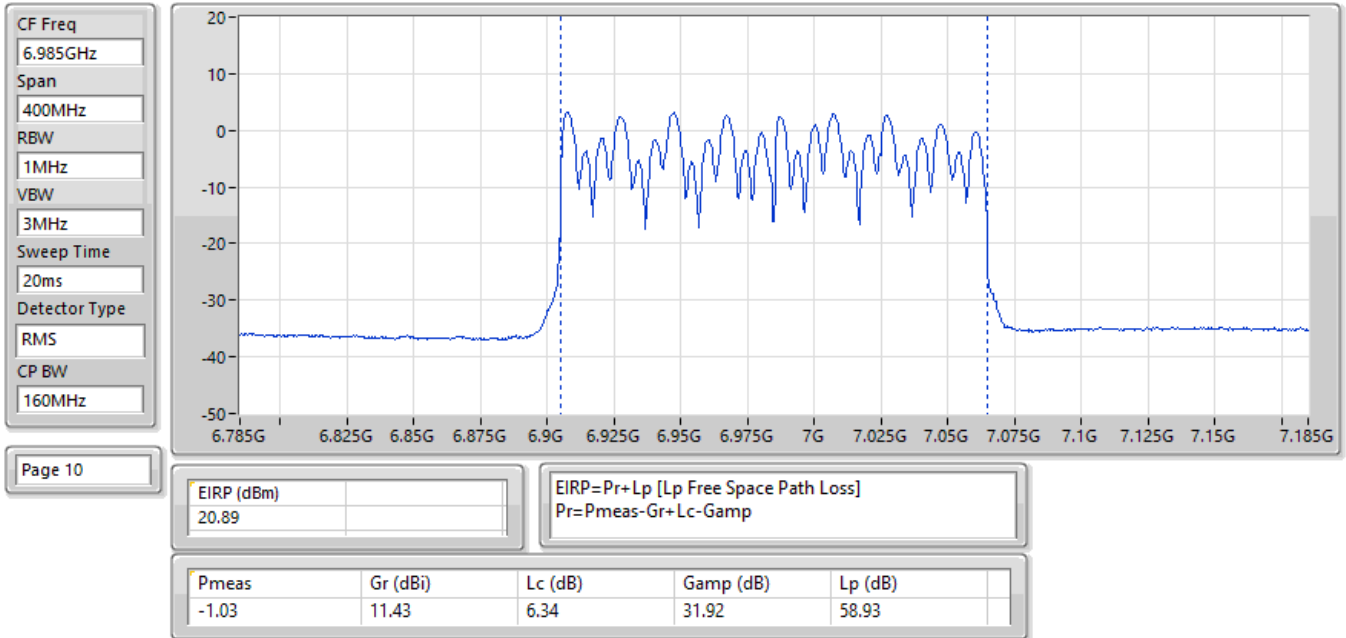
EIRP;Band:6.7G;be160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6665MHz;TX



EIRP;Band:6.7G;be160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6825MHz;TX



EIRP;Band:7.0G;be160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6985MHz;TX



EIRP;Band:6.2G;be320;BWch:320MHz;Nss:1,(M0);Nant:4;Ch:6105MHz;TX

