



RADIO TEST REPORT

FCC ID : 2AXXQBGW321
Equipment : BGW320-500 Wireless Integrated ONT Residential Gateway
Brand Name : HUMAX
Model Name : BGW320-500
Applicant : HUMAX Networks, INC
HUMAX Village, 216, Hwangsaeul-ro, Bundang-gu,
Seongnam city, Gyeonggi-do South Korea 13595
Manufacturer : HUMAX Networks, INC
HUMAX Village, 216, Hwangsaeul-ro, Bundang-gu,
Seongnam city, Gyeonggi-do South Korea 13595
Standard : 47 CFR FCC Part 15.407

The product was received on Sep. 12, 2024, and testing was started from Sep. 13, 2024 and completed on Oct. 24, 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 variant 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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History of this test report

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

Page Number : 3 of 35
Issued Date : Nov. 13, 2024
Report Version : 01



Summary of Test Result

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

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Sam Chen

Report Producer: Sophia Shiung



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5690	106-138 [3]
5725-5850		5775	155 [1]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11n HT20-BF	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11ax HEW20	20	4TX
5.15-5.25GHz	802.11ax HEW20-BF	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11n HT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ax HEW40	40	4TX
5.15-5.25GHz	802.11ax HEW40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.15-5.25GHz	802.11ax HEW80	80	4TX



Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ax HEW80-BF	80	4TX
5.15-5.25GHz	802.11ac VHT160	160	4TX
5.15-5.25GHz	802.11ac VHT160-BF	160	4TX
5.15-5.25GHz	802.11ax HEW160	160	4TX
5.15-5.25GHz	802.11ax HEW160-BF	160	4TX
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11n HT20-BF	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT20-BF	20	4TX
5.25-5.35GHz	802.11ax HEW20	20	4TX
5.25-5.35GHz	802.11ax HEW20-BF	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11n HT40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT40-BF	40	4TX
5.25-5.35GHz	802.11ax HEW40	40	4TX
5.25-5.35GHz	802.11ax HEW40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.25-5.35GHz	802.11ac VHT80-BF	80	4TX
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.25-5.35GHz	802.11ax HEW80-BF	80	4TX
5.25-5.35GHz	802.11ac VHT160	160	4TX
5.25-5.35GHz	802.11ac VHT160-BF	160	4TX
5.25-5.35GHz	802.11ax HEW160	160	4TX
5.25-5.35GHz	802.11ax HEW160-BF	160	4TX
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11n HT20-BF	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20-BF	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20-BF	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11n HT40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40-BF	40	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX



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

Note:

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



1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz					
1	1	1	GALTRONICS	02102140-06811U1	PCB	I-PEX	Note 1
2	2	2	GALTRONICS	02102140-06811U1	PCB	I-PEX	
3	3	3	GALTRONICS	02102140-06811U1	PCB	I-PEX	
4	4	4	GALTRONICS	02102140-06811U1	PCB	I-PEX	
5	-	4	GALTRONICS	02102140-06811U1	PCB	I-PEX	
6	-	3	GALTRONICS	02102140-06811U1	PCB	I-PEX	
7	-	2	GALTRONICS	02102140-06811U1	PCB	I-PEX	
8	-	1	GALTRONICS	02102140-06811U1	PCB	I-PEX	
9	-	-	GALTRONICS	02102140-06811U1	PCB	I-PEX	5.50

Note1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3
1	4.3	2.43	2.5	-	-
2	3.63	2.08	2.97	-	-
3	2.69	2.93	2.8	-	-
4	4.67	3.28	3.24	-	-
5	-	-	-	2.57	2.64
6	-	-	-	3.98	4.12
7	-	-	-	2.29	2.9
8	-	-	-	3.18	4.21

Item	Directional Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3
4T1S	5.99	4.45	4.07	4.11	4.43
4T2S	4.67	3.28	3.24	3.98	4.21
4T4S	4.67	3.28	3.24	3.98	4.21

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

Note 3: The Ant. 9 which has the receiving function only is for zero wait use.

Note 4: The antenna gain and directional gain are measured which follow the procedure of KDB 662911 D03

Note 5: For 2.4GHz function:

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

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

Port 1~4 could transmit/receive simultaneously.

For 5GHz function:

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

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

Port 1~4 could transmit/receive simultaneously.

For 1RX:

Ant. 9 can be used as receiving antenna only.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss 1,(6D)	0.951	0.22	2.065m	1k
802.11ax HEW20_Nss 1,(M0)	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20-BF_Nss 1,(M0)	0.947	0.24	2.95m	1k
802.11ax HEW40_Nss 1,(M0)	0.967	0.15	781.25u	3k
802.11ax HEW40-BF_Nss 1,(M0)	0.978	0.1	4.365m	300
802.11ax HEW80_Nss 1,(M0)	0.94	0.27	415u	3k
802.11ax HEW80-BF_Nss 1,(M0)	0.916	0.38	4.144m	300
802.11ax HEW160_Nss 1,(M0)	0.898	0.47	237.5u	10k
802.11ax HEW160-BF_Nss 1,(M0)	0.908	0.42	5.172m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From power adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
	☒	Point-to-multipoint	☐	Point-to-point
TPC Function	☒	With TPC	☐	Without TPC
Channel Puncturing Function	☐	Supported Static Puncturing		
	☐	Supported Dynamic Puncturing		
	☒	Unsupported		
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	Non-beamforming mode: accessMtool 3.2.1.4 Beamforming mode: DOS[v6.1.7601]			

Note: The above information was declared by manufacturer.



1.1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR242501AB,
FR242501-01.

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Change the resource of FEM to "Brand: Qorvo / Model: QPF7219" from "Brand: SKYWORKS / Model: SKY85336" for 2.4GHz. 2. Change the resource of FEM to "Brand: Qorvo / Model: QPF4516B" from "Brand: SKYWORKS / Model: SKY85787" for 5GHz. 3. Change the resource of filter to "Brand: JIAKANG / Model: DFC0304R5235P180" from "Brand: SOSHIN / Model: HMD0108N" for 5GHz low band. 4. Change the resource of the accessory adapter to "Brand: AT&T / Model: EPS48R1-36" from "Brand: DIRECTV / Model: EPS48R1-16". 5. Change the heatsink to stamping type from extrusion type. 6. Change the FW to "100.00.01_1725585160" from "3.17.1_1.6_UNSECURE_IMPL87_HUMA". 7. Remove the gasket of RF chip. 8. Change the source of memory to "Brand: Micron / Model: MT41K256M16TW-093".	All the test items.
9. Change the applicant's information to "Company name: HUMAX Networks, INC / Address: HUMAX Village, 216, Hwangsaеul-ro, Bundang-gu, Seongnam city, Gyeonggi-do South Korea 13595" from "Company name: Humax Networks, INC. / Address: 216, Hwangsaеul-ro, Bundang-gu, Seongnam-si, 463-875, South Korea".	After evaluation, it does not need to re-test.



1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Owen Hsu	23.3~24.3 / 60~61	Sep. 20, 2024~ Sep. 26, 2024
Radiated < 1GHz	03CH01-CB	Ederson Huang	22~23 / 55~58	Sep. 13, 2024~ Sep. 24, 2024
Radiated > 1GHz (For others)	03CH01-CB		22~23 / 55~58	
	03CH02-CB		21.8~22.9 / 55~58	
Radiated > 1GHz (Co-location)	03CH05-CB	Ederson Huang	21.6~22.7 / 56~59	Oct. 22, 2024
AC Conduction	CO01-CB	Joe Chu	21~23 / 49~50	Oct. 24, 2024

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.1 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.11a_Nss1,(6Mbps)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW20_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW40_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11ax HEW80_Nss1,(MCS0)_4TX
5210MHz



5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11ax HEW160_Nss1,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11ax HEW20-BF_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW40-BF_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11ax HEW80-BF_Nss1,(MCS0)_4TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11ax HEW160-BF_Nss1,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz

**Note:**

- ♦ HEW20 / HEW40 / HEW80 / HEW160 covers HT20 / HT40 / VHT20 / VHT40 / VHT80 / VHT160 due to similar modulation. The power setting for HT20 / HT40 / VHT20 / VHT40 / VHT80 / VHT160 is the same or lower than HEW20 / HEW40 / HEW80 / HEW160.

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	CTX
1	EUT_WLAN 2.4GHz
2	EUT_WLAN 5GHz
For operating, mode 1 is the worst case and it was recorded in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX “EUT in Z axis” generated the worst case at Unwanted Emissions above 1GHz test. Consequently, the measurement will follow this same test mode.
1	EUT in Z axis_WLAN 2.4GHz
2	EUT in Z axis_WLAN 5GHz
For operating, mode 2 is the worst case and it was recorded in this test report.	
Operating Mode > 1GHz	CTX After evaluating, EUT in Z axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Z axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	CTX
	"EUT in Z axis" generated the worst case at Unwanted Emissions above 1GHz test. Consequently, the measurement will follow this same test mode.
1	WLAN 2.4GHz + WLAN 5GHz (Low band)
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz (Low band) + WLAN 5GHz (High band)
Refer to Sporton Test Report No.: FA242501-02 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

Beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS[v6.1.7601].
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%.

2.4 Accessories

Equipment Name	Brand Name	Model Name	Rating
Adapter	AT&T	EPS48R1-36	INPUT: 120 V~1.1 A, 60Hz OUTPUT: 12V, 4A, 48W



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	Flash disk3.0	Transcend	JetFlash-700	N/A
C	Transceiver	XTRAMUS	MCM-8S82-W	N/A

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

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

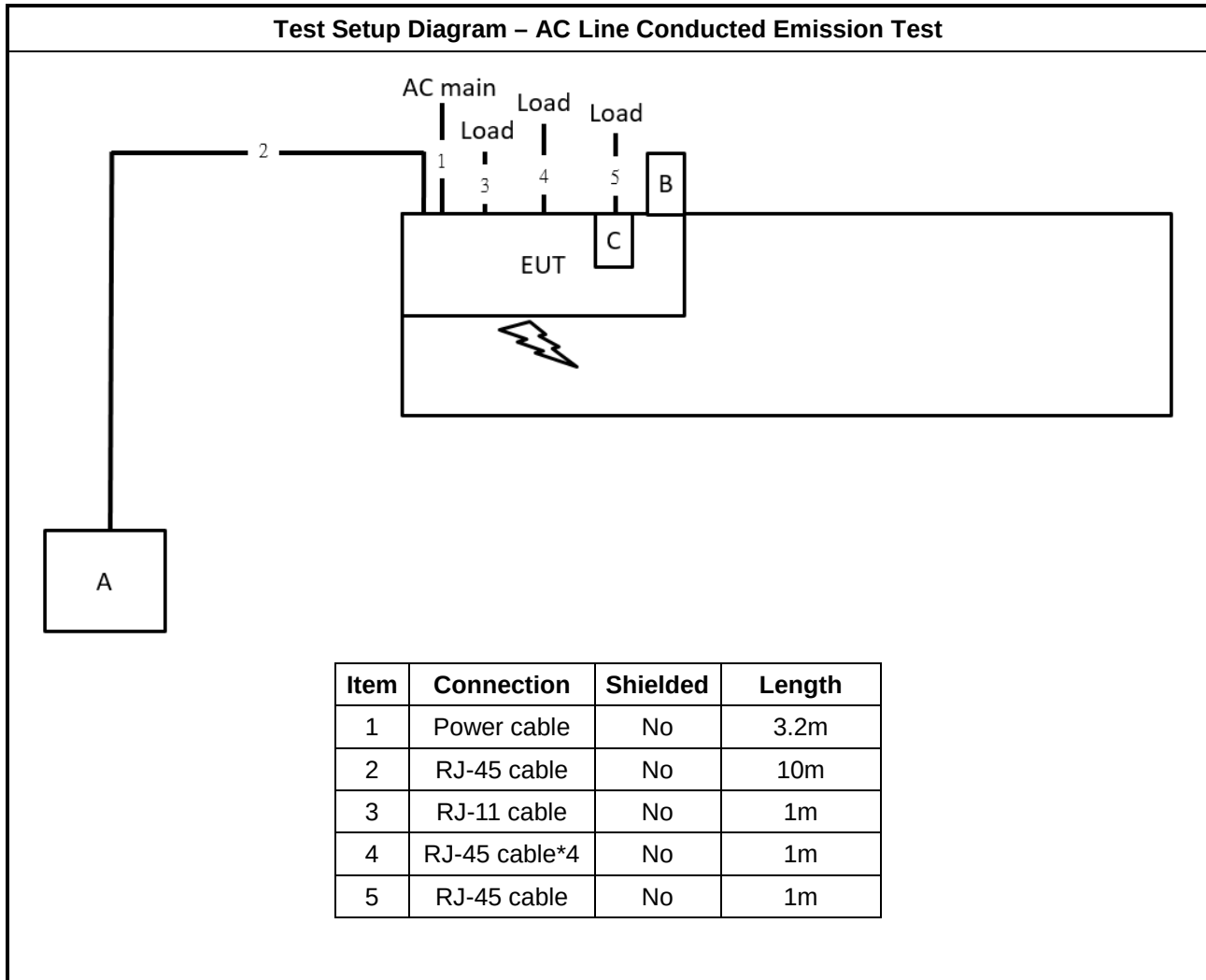
For Radiated > 1GHz (Beamforming mode):

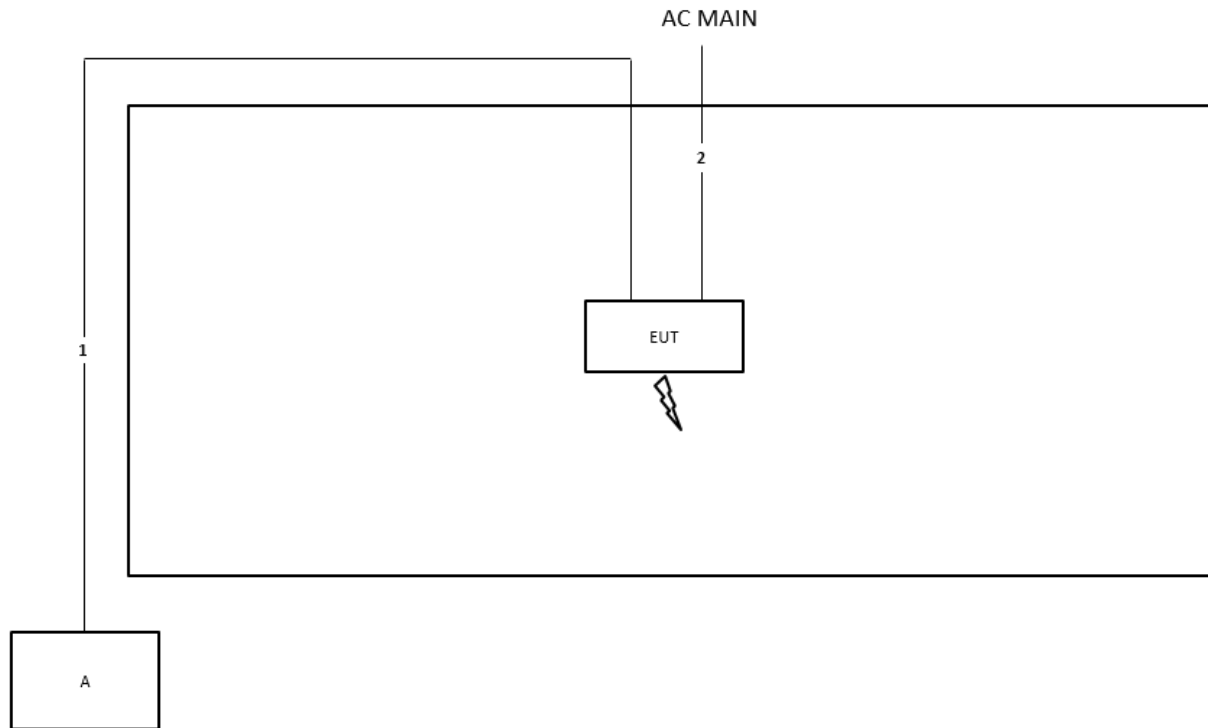
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Client	ASUS	RT-AX88U	MSQ-RTAXHP00
C	Notebook	DELL	E4300	N/A

For RF Conducted:

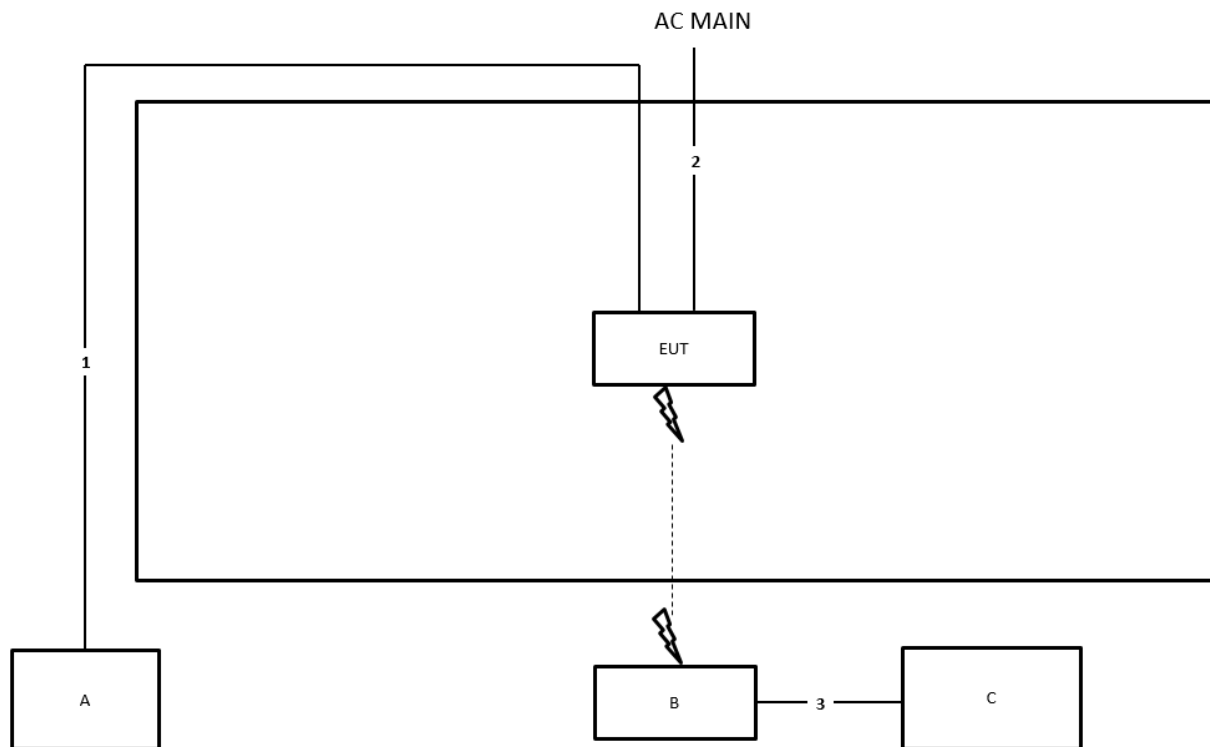
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test below 1GHz and above 1GHz for Non-beamforming mode


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	3.2m

Test Setup Diagram - Radiated Test above 1GHz for Beamforming mode


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	3.2m
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.		

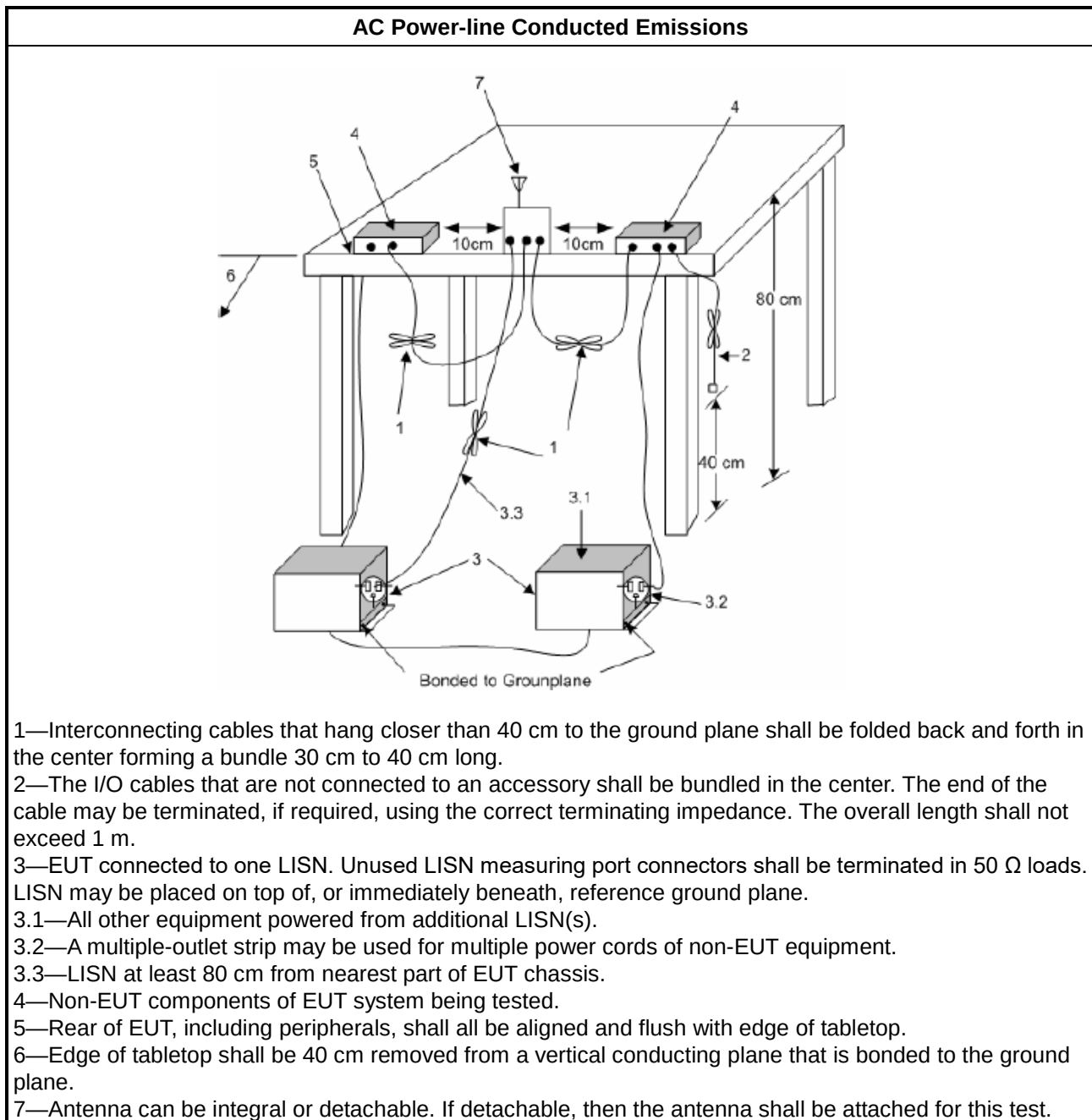
3.1.2 Measuring Instruments

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:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth $\geq 500\text{kHz}$.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq 500\text{kHz}$.

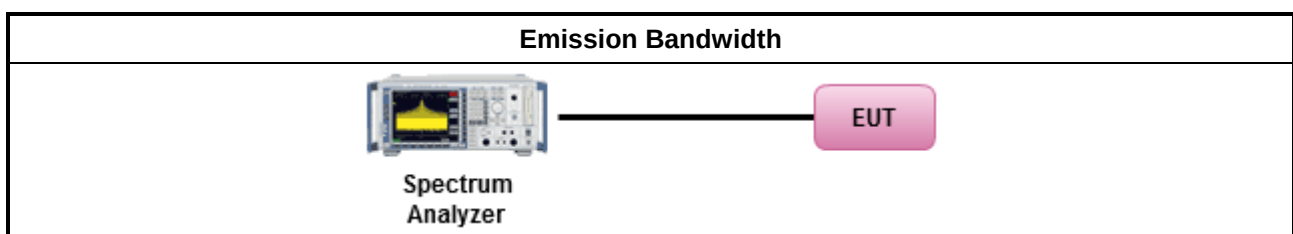
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Output Power

3.3.1 Limit

Maximum Output Power Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
☐	- Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] - Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ - Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. - Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
☐	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band:	
☐	- For other devices: The maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. - Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐ For the 5.25-5.35 GHz band:	
☐	- For other devices: The maximum conducted output power shall not exceed 250 mW or 11 + 10 log 10 B, dBm, and the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz - Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log 10 B, dBm, and the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	



☐ For the 5.725-5.85 GHz band:	
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$.
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

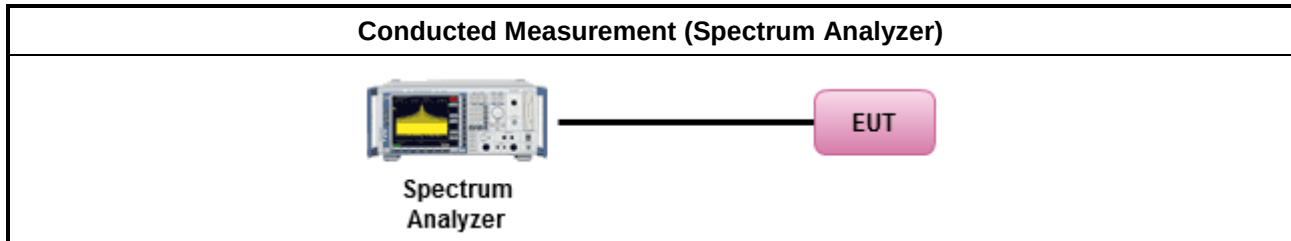
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

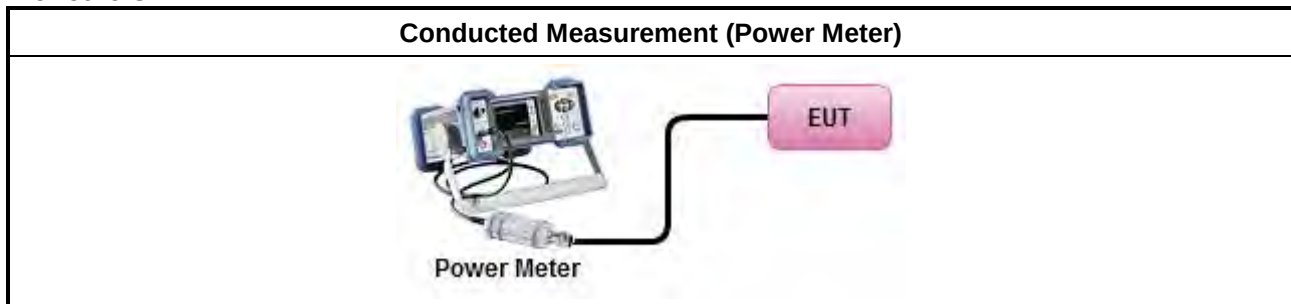
Test Method	
	Average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty 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

For straddle channels:



For others:



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
☐	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
☐	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐ For the 5.725-5.85 GHz band:	
☐	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

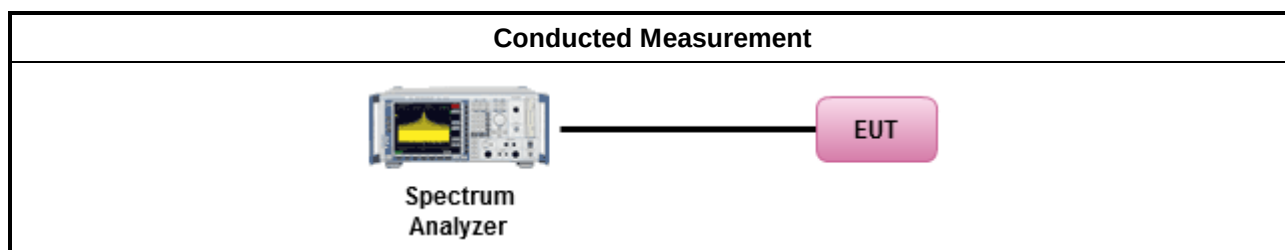
3.4.2 Measuring Instruments

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

**3.4.3 Test Procedures**

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐	Refer as FCC KDB 789033 D02, 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 Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

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

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

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



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

3.5.2 Measuring Instruments

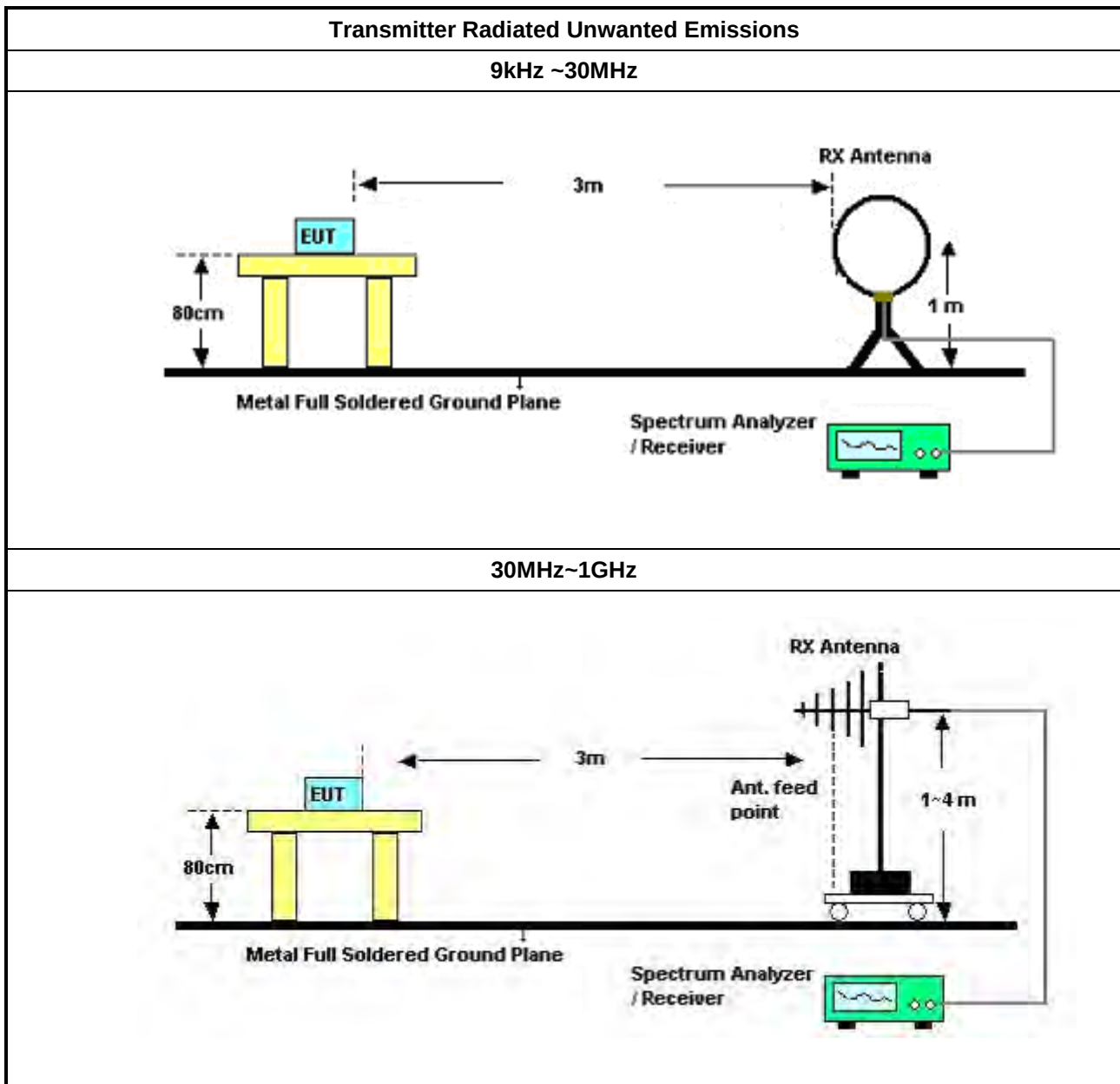
Refer a test equipment and calibration data table in this test report.

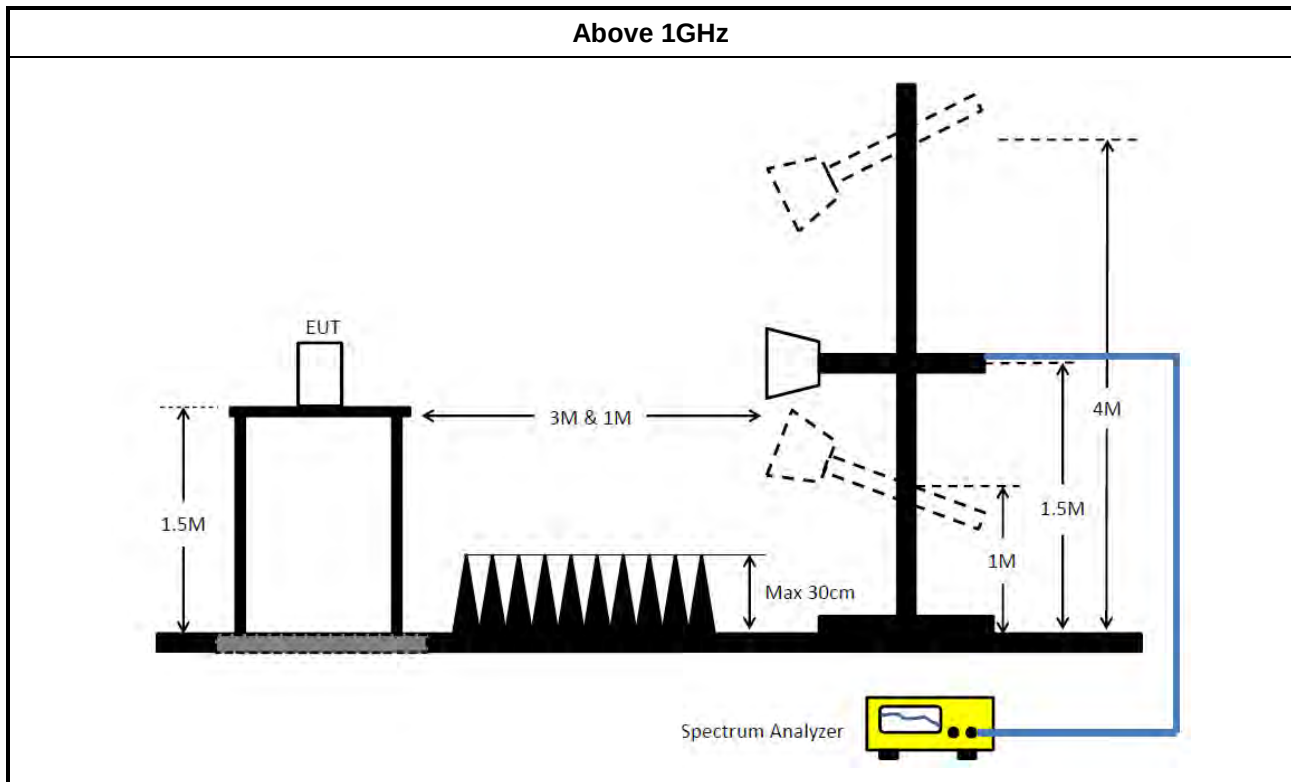
3.5.3 Test Procedures

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

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

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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. 24, 2024	Apr. 23, 2025	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	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 (03CH01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 18, 2024	Jan. 17, 2025	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 04, 2024	May 03, 2025	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCi	CBL6112D N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Feb. 18, 2024	Feb. 17, 2025	Radiation (03CH01-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz z	Oct. 04, 2023	Oct. 03, 2024	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 09, 2024	Jul. 08, 2025	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH0301	20230109-2	10M~1GHz	Jun. 22, 2024	Jun. 21, 2025	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 17, 2024	May 16, 2025	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 28, 2023	Nov. 27, 2024	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 20, 2023	Oct. 19, 2024	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-31+32	30 MHz ~ 1 GHz	Aug. 02, 2024	Aug. 01, 2025	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-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 (03CH01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11.19	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 12, 2024	Apr. 11, 2025	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 09, 2024	Jul. 08, 2025	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Jun. 11, 2024	Jun. 10, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11.19	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 28, 2024	Sep. 27, 2025	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 09, 2024	Jul. 08, 2025	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	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. 17, 2024	Apr. 16, 2025	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	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-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2024	May 26, 2025	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Mar. 01, 2024	Feb. 28, 2025	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	MY45100745	50MHz~18GHz	Jul. 12, 2024	Jul. 11, 2025	Conducted (TH01-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11.19	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

NCR means Non-Calibration required.



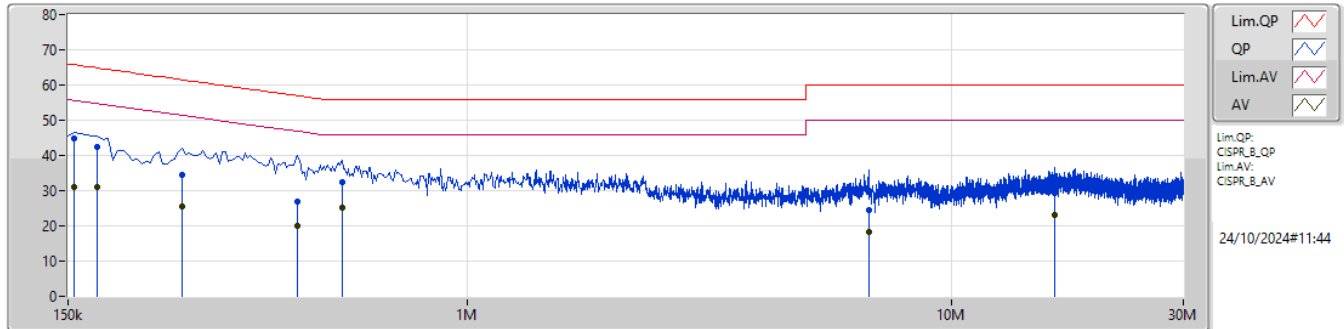
Conducted Emissions at Powerline

Appendix A

Summary

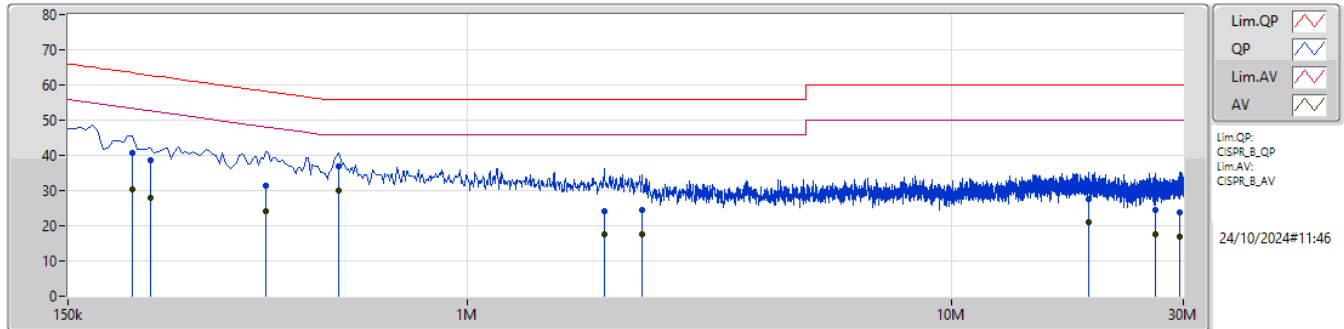
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	541.5k	29.84	46.00	-16.16	Neutral

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	154.5k	44.82	65.75	-20.93	10.04	Line	-	34.78	0.04	0.08	9.92						
AV	154.5k	31.04	55.75	-24.71	10.04	Line	-	21.00	0.04	0.08	9.92						
QP	172.5k	42.50	64.83	-22.33	10.04	Line	-	32.46	0.04	0.07	9.93						
AV	172.5k	31.05	54.83	-23.78	10.04	Line	-	21.01	0.04	0.07	9.93						
QP	258k	34.35	61.49	-27.14	10.11	Line	-	24.24	0.04	0.08	9.99						
AV	258k	25.48	51.49	-26.01	10.11	Line	-	15.37	0.04	0.08	9.99						
QP	447k	27.01	56.94	-29.93	10.22	Line	-	16.79	0.05	0.10	10.07						
AV	447k	20.10	46.94	-26.84	10.22	Line	-	9.88	0.05	0.10	10.07						
QP	550.5k	32.53	56.00	-23.47	10.25	Line	-	22.28	0.06	0.10	10.09						
AV	550.5k	25.28	46.00	-20.72	10.25	Line	"Worst"	15.03	0.06	0.10	10.09						
QP	6.725M	24.55	60.00	-35.45	10.19	Line	-	14.36	0.19	0.15	9.85						
AV	6.725M	18.26	50.00	-31.74	10.19	Line	-	8.07	0.19	0.15	9.85						
QP	16.278M	29.21	60.00	-30.79	10.47	Line	-	18.74	0.29	0.25	9.93						
AV	16.278M	23.07	50.00	-26.93	10.47	Line	-	12.60	0.29	0.25	9.93						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	204k	40.82	63.44	-22.62	10.08	Neutral	-	30.74	0.06	0.07	9.95						
AV	204k	30.33	53.44	-23.11	10.08	Neutral	-	20.25	0.06	0.07	9.95						
QP	222k	38.54	62.75	-24.21	10.10	Neutral	-	28.44	0.06	0.07	9.97						
AV	222k	27.80	52.75	-24.95	10.10	Neutral	-	17.70	0.06	0.07	9.97						
QP	384k	31.26	58.20	-26.94	10.21	Neutral	-	21.05	0.06	0.10	10.05						
AV	384k	24.25	48.20	-23.95	10.21	Neutral	-	14.04	0.06	0.10	10.05						
QP	541.5k	37.05	56.00	-18.95	10.26	Neutral	-	26.79	0.07	0.10	10.09						
AV	541.5k	29.84	46.00	-16.16	10.26	Neutral	"Worst"	19.58	0.07	0.10	10.09						
QP	1.919M	24.20	56.00	-31.80	10.20	Neutral	-	14.00	0.10	0.14	9.96						
AV	1.919M	17.56	46.00	-28.44	10.20	Neutral	-	7.36	0.10	0.14	9.96						
QP	2.292M	24.51	56.00	-31.49	10.19	Neutral	-	14.32	0.11	0.14	9.94						
AV	2.292M	17.74	46.00	-28.26	10.19	Neutral	-	7.55	0.11	0.14	9.94						
QP	19.091M	27.46	60.00	-32.54	10.55	Neutral	-	16.91	0.30	0.31	9.94						
AV	19.091M	21.12	50.00	-28.88	10.55	Neutral	-	10.57	0.30	0.31	9.94						
QP	26.205M	24.45	60.00	-35.55	10.67	Neutral	-	13.78	0.39	0.32	9.96						
AV	26.205M	17.66	50.00	-32.34	10.67	Neutral	-	6.99	0.39	0.32	9.96						
QP	29.477M	23.70	60.00	-36.30	10.73	Neutral	-	12.97	0.42	0.33	9.98						
AV	29.477M	16.93	50.00	-33.07	10.73	Neutral	-	6.20	0.42	0.33	9.98						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	22.605M	16.905M	16M9D1D	21.065M	16.748M
802.11ax HEW20_Nss1,(MCS0)_4TX	24.53M	19.155M	19M2D1D	21.67M	19.053M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	26.84M	19.14M	19M1D1D	21.23M	19.015M
802.11ax HEW40_Nss1,(MCS0)_4TX	45.32M	37.882M	37M9D1D	40.04M	37.717M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	42.02M	37.881M	37M9D1D	40.59M	37.731M
802.11ax HEW80_Nss1,(MCS0)_4TX	95.7M	77.363M	77M4D1D	81.84M	77.25M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	86.9M	77.261M	77M3D1D	80.96M	77.061M
802.11ax HEW160_Nss1,(MCS0)_4TX	81.2M	77.327M	77M3D1D	80.64M	77.246M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.84M	77.401M	77M4D1D	80.72M	77.161M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	22M	16.88M	16M9D1D	20.735M	16.718M
802.11ax HEW20_Nss1,(MCS0)_4TX	23.43M	19.126M	19M1D1D	21.285M	19.028M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	24.86M	19.09M	19M1D1D	21.285M	19.04M
802.11ax HEW40_Nss1,(MCS0)_4TX	49.39M	37.858M	37M9D1D	41.03M	37.726M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	48.73M	37.881M	37M9D1D	40.59M	37.731M
802.11ax HEW80_Nss1,(MCS0)_4TX	87.56M	77.344M	77M3D1D	83.82M	77.273M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	89.32M	77.361M	77M4D1D	82.5M	77.261M
802.11ax HEW160_Nss1,(MCS0)_4TX	81.76M	77.484M	77M5D1D	81.2M	77.312M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	82.08M	77.481M	77M5D1D	80.88M	77.321M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.265M	16.913M	16M9D1D	15.75M	13.363M
802.11ax HEW20_Nss1,(MCS0)_4TX	26.565M	19.122M	19M1D1D	16.11M	14.494M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	24.475M	19.14M	19M1D1D	15.735M	14.468M
802.11ax HEW40_Nss1,(MCS0)_4TX	45.43M	37.885M	37M9D1D	34.895M	33.661M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	42.79M	37.881M	37M9D1D	35.035M	33.688M
802.11ax HEW80_Nss1,(MCS0)_4TX	89.54M	77.367M	77M4D1D	75.975M	73.175M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	88.66M	77.461M	77M5D1D	75.675M	73.163M
802.11ax HEW160_Nss1,(MCS0)_4TX	163.68M	156.322M	156MD1D	161.92M	155.922M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	163.68M	156.122M	156MD1D	162.8M	155.922M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.555M	16.869M	16M9D1D	3.24M	4.613M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.14M	19.1M	19M1D1D	4.5M	5.171M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.085M	19.115M	19M1D1D	4.42M	5.197M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.73M	37.848M	37M8D1D	3.78M	9.992M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.73M	37.781M	37M8D1D	3.78M	9.975M
802.11ax HEW80_Nss1,(MCS0)_4TX	77M	77.344M	77M3D1D	2.96M	19.865M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	77.44M	77.461M	77M5D1D	3.44M	19.57M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.56M	16.83M	21.505M	16.851M	21.065M	16.78M	22.605M	16.776M
5200MHz	Pass	Inf	21.615M	16.875M	21.945M	16.895M	22.22M	16.748M	21.67M	16.874M
5240MHz	Pass	Inf	21.285M	16.805M	21.67M	16.852M	21.505M	16.79M	21.67M	16.905M
5260MHz	Pass	Inf	21.12M	16.87M	21.45M	16.806M	21.835M	16.728M	21.67M	16.718M
5300MHz	Pass	Inf	21.23M	16.843M	21.12M	16.781M	21.835M	16.757M	20.735M	16.854M
5320MHz	Pass	Inf	21.285M	16.855M	21.835M	16.88M	22M	16.837M	22M	16.819M
5500MHz	Pass	Inf	22.33M	16.837M	21.34M	16.86M	22.275M	16.913M	21.67M	16.84M
5580MHz	Pass	Inf	20.955M	16.818M	21.23M	16.8M	23.265M	16.845M	21.23M	16.846M
5700MHz	Pass	Inf	20.845M	16.684M	21.01M	16.69M	20.79M	16.645M	20.79M	16.69M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.75M	13.47M	18.795M	13.502M	16.155M	13.363M	15.825M	13.518M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.26M	4.613M	3.24M	4.987M	3.26M	5.029M	3.28M	4.943M
5745MHz	Pass	500k	16.5M	16.869M	16.39M	16.85M	15.455M	16.612M	16.555M	16.781M
5785MHz	Pass	500k	16.335M	16.803M	16.335M	16.839M	16.335M	16.545M	16.445M	16.775M
5825MHz	Pass	500k	16.5M	16.869M	16.5M	16.863M	16.445M	16.659M	16.39M	16.8M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.485M	19.119M	23.595M	19.088M	21.67M	19.155M	24.53M	19.071M
5200MHz	Pass	Inf	23.155M	19.121M	22.66M	19.053M	23.155M	19.109M	22.66M	19.073M
5240MHz	Pass	Inf	23.43M	19.063M	22.385M	19.09M	23.595M	19.063M	23.045M	19.088M
5260MHz	Pass	Inf	21.285M	19.125M	23.265M	19.126M	22M	19.068M	22.11M	19.112M
5300MHz	Pass	Inf	23.155M	19.078M	23.43M	19.055M	22.77M	19.054M	21.835M	19.045M
5320MHz	Pass	Inf	22.495M	19.045M	21.78M	19.041M	22.33M	19.051M	21.725M	19.028M
5500MHz	Pass	Inf	22.055M	19.117M	23.54M	19.033M	22.935M	19.094M	26.565M	19.08M
5580MHz	Pass	Inf	23.65M	19.048M	21.505M	19.085M	22.99M	19.054M	22.165M	19.122M
5700MHz	Pass	Inf	21.12M	19.069M	21.45M	18.984M	21.01M	18.943M	21.065M	18.982M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	17.535M	14.494M	16.11M	14.523M	16.215M	14.521M	17.31M	14.522M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.5M	5.171M	4.52M	5.347M	4.52M	5.612M	4.56M	5.224M
5745MHz	Pass	500k	17.105M	19.08M	19.14M	19.1M	17.325M	19.038M	18.755M	19.082M
5785MHz	Pass	500k	19.085M	19.092M	18.92M	19.026M	19.03M	19.074M	19.03M	19.051M
5825MHz	Pass	500k	18.7M	19.061M	18.755M	19.065M	18.15M	19.072M	16.39M	19.05M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.92M	37.844M	44.55M	37.882M	43.01M	37.811M	43.23M	37.81M
5230MHz	Pass	Inf	40.7M	37.717M	42.46M	37.875M	45.32M	37.821M	40.04M	37.833M
5270MHz	Pass	Inf	42.02M	37.733M	41.91M	37.858M	41.03M	37.782M	41.91M	37.846M
5310MHz	Pass	Inf	49.39M	37.726M	45.65M	37.842M	41.58M	37.781M	43.23M	37.8M
5510MHz	Pass	Inf	41.58M	37.793M	41.47M	37.785M	42.13M	37.849M	45.43M	37.761M
5550MHz	Pass	Inf	40.37M	37.863M	40.59M	37.885M	40.15M	37.872M	40.92M	37.758M
5670MHz	Pass	Inf	42.35M	37.833M	40.81M	37.813M	42.02M	37.817M	40.15M	37.789M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	36.225M	33.788M	34.895M	33.856M	35.63M	33.661M	36.015M	33.783M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.88M	10.826M	3.78M	10.912M	3.98M	12.175M	3.84M	9.992M
5755MHz	Pass	500k	37.73M	37.777M	37.51M	37.808M	37.4M	37.584M	37.73M	37.815M
5795MHz	Pass	500k	37.51M	37.77M	36.74M	37.753M	35.64M	37.633M	36.52M	37.848M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	89.98M	77.25M	81.84M	77.294M	95.7M	77.281M	82.06M	77.363M
5290MHz	Pass	Inf	86.24M	77.344M	85.14M	77.324M	87.56M	77.273M	83.82M	77.305M
5530MHz	Pass	Inf	89.54M	77.299M	82.28M	77.25M	82.94M	77.321M	82.5M	77.299M
5610MHz	Pass	Inf	84.04M	77.318M	82.5M	77.216M	83.16M	77.343M	80.74M	77.367M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.35M	73.371M	75.975M	73.218M	76.05M	73.226M	77.7M	73.175M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.88M	19.865M	3.9M	20.683M	2.96M	24.323M	4.02M	20.219M
5775MHz	Pass	500k	76.34M	77.344M	77M	77.29M	76.34M	77.218M	77M	77.247M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.2M	77.286M	80.88M	77.327M	80.64M	77.255M	81.12M	77.246M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.6M	77.312M	81.76M	77.445M	81.44M	77.423M	81.2M	77.484M
5570MHz	Pass	Inf	163.68M	156.122M	163.24M	156.322M	161.92M	156.122M	162.8M	155.922M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5180MHz	Pass	Inf	23.815M	19.115M	21.285M	19.065M	24.255M	19.015M	23.43M	19.09M
5200MHz	Pass	Inf	26.84M	19.115M	23.045M	19.09M	22.055M	19.015M	23.54M	19.04M
5240MHz	Pass	Inf	21.89M	19.09M	22.11M	19.015M	21.34M	19.14M	21.23M	19.065M
5260MHz	Pass	Inf	21.615M	19.065M	21.285M	19.065M	21.34M	19.09M	21.89M	19.04M
5300MHz	Pass	Inf	22.22M	19.04M	22.88M	19.04M	21.725M	19.065M	21.34M	19.04M
5320MHz	Pass	Inf	21.395M	19.09M	22M	19.09M	24.86M	19.09M	23.54M	19.09M
5500MHz	Pass	Inf	24.475M	19.09M	22.77M	19.065M	24.09M	19.09M	22.11M	19.065M
5580MHz	Pass	Inf	23.21M	19.115M	22.825M	19.015M	23.65M	19.04M	21.725M	19.14M
5700MHz	Pass	Inf	20.845M	18.991M	21.065M	18.991M	21.395M	18.966M	21.12M	19.015M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.735M	14.528M	17.49M	14.468M	16.065M	14.528M	15.78M	14.513M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	5.197M	4.56M	5.337M	4.62M	5.397M	4.42M	5.377M
5745MHz	Pass	500k	18.865M	19.04M	18.7M	19.065M	19.03M	19.065M	18.92M	19.09M
5785MHz	Pass	500k	18.755M	19.065M	17.6M	19.04M	19.085M	19.04M	18.975M	19.065M
5825MHz	Pass	500k	18.59M	19.065M	18.535M	19.115M	19.085M	19.115M	18.81M	19.09M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.59M	37.881M	40.7M	37.781M	41.36M	37.781M	41.69M	37.731M
5230MHz	Pass	Inf	42.02M	37.831M	42.02M	37.831M	41.36M	37.781M	41.03M	37.781M
5270MHz	Pass	Inf	41.03M	37.731M	41.47M	37.731M	40.59M	37.781M	40.81M	37.781M
5310MHz	Pass	Inf	40.81M	37.881M	48.73M	37.731M	41.69M	37.831M	40.7M	37.831M
5510MHz	Pass	Inf	41.47M	37.731M	42.79M	37.831M	42.57M	37.831M	40.59M	37.881M
5550MHz	Pass	Inf	40.04M	37.831M	40.37M	37.731M	40.26M	37.731M	41.03M	37.831M
5670MHz	Pass	Inf	39.93M	37.781M	41.25M	37.781M	40.37M	37.831M	41.03M	37.831M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.105M	33.688M	35.455M	33.688M	35.245M	33.688M	35.035M	33.758M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4M	10.135M	3.78M	10.315M	4.12M	10.455M	3.98M	9.975M
5755MHz	Pass	500k	37.51M	37.731M	37.18M	37.731M	37.29M	37.781M	37.29M	37.781M
5795MHz	Pass	500k	37.18M	37.681M	36.85M	37.731M	37.73M	37.781M	37.73M	37.781M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	86.9M	77.261M	80.96M	77.261M	81.18M	77.061M	81.18M	77.261M
5290MHz	Pass	Inf	84.26M	77.361M	82.5M	77.361M	84.92M	77.261M	89.32M	77.361M
5530MHz	Pass	Inf	82.72M	77.061M	88.66M	77.261M	83.38M	77.361M	82.72M	77.061M
5610MHz	Pass	Inf	82.06M	77.461M	80.96M	77.361M	82.94M	77.361M	82.72M	77.261M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.025M	73.163M	75.675M	73.163M	77.325M	73.163M	78.375M	73.163M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.94M	19.57M	3.5M	20.19M	3.98M	20.37M	3.44M	20.41M
5775MHz	Pass	500k	75.02M	77.161M	76.12M	77.261M	77.44M	77.361M	77M	77.461M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.88M	77.321M	80.72M	77.321M	80.8M	77.161M	81.84M	77.401M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.44M	77.481M	82.08M	77.401M	81.6M	77.321M	80.88M	77.401M
5570MHz	Pass	Inf	163.24M	156.122M	163.68M	156.122M	162.8M	155.922M	162.8M	156.122M

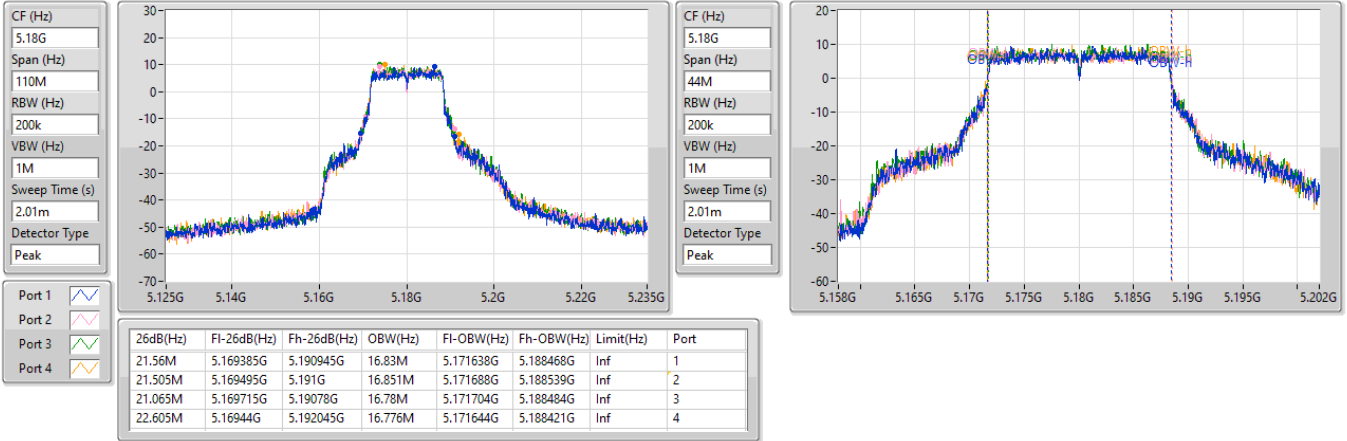
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

20/09/2024

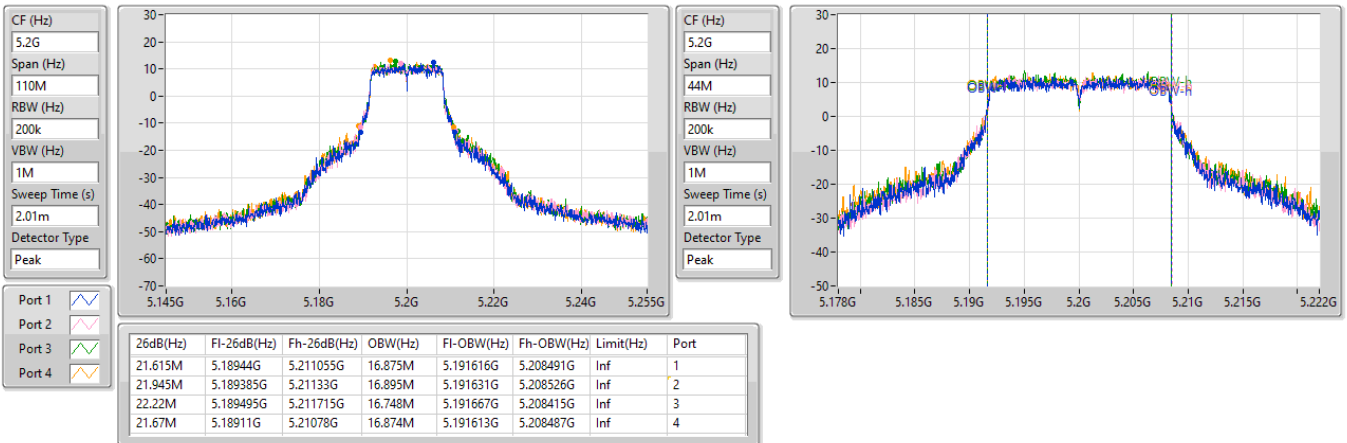


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5200MHz

20/09/2024

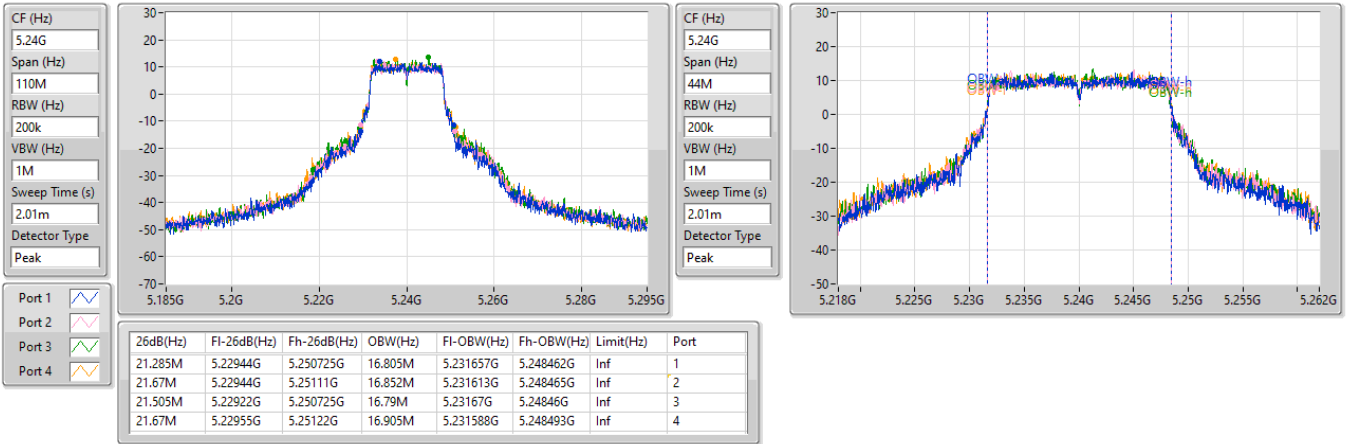


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

20/09/2024

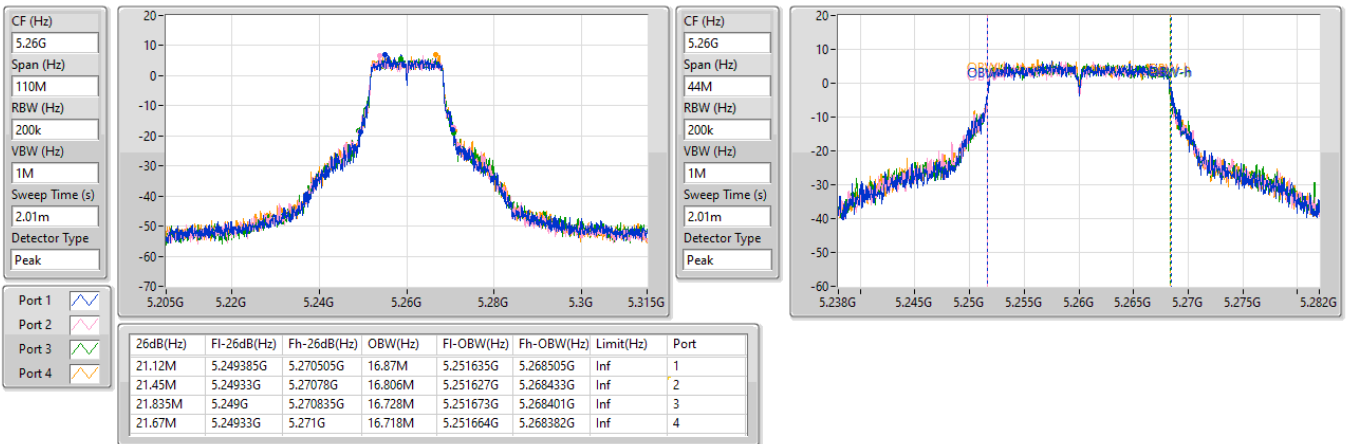


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

20/09/2024

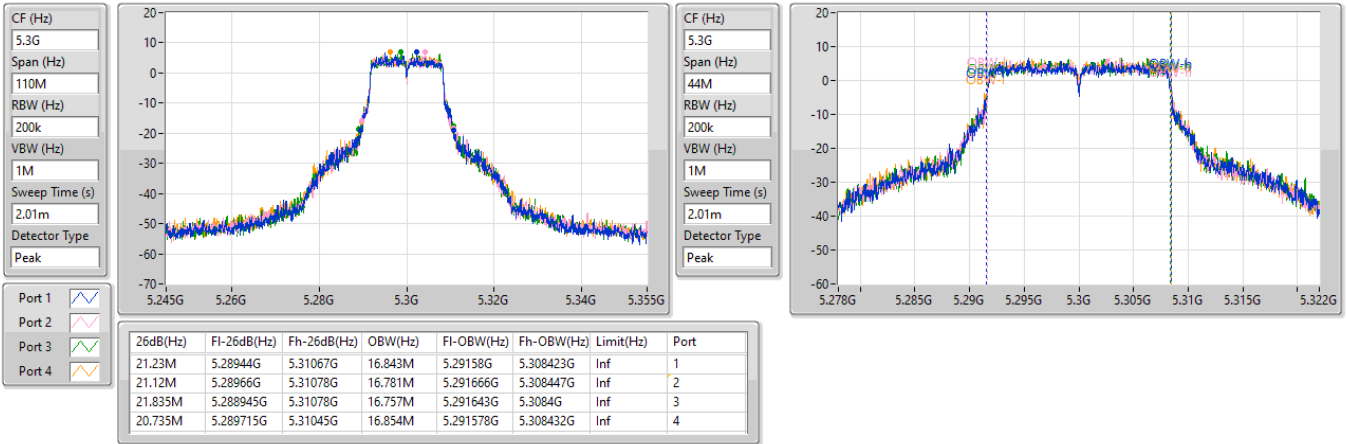


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

20/09/2024

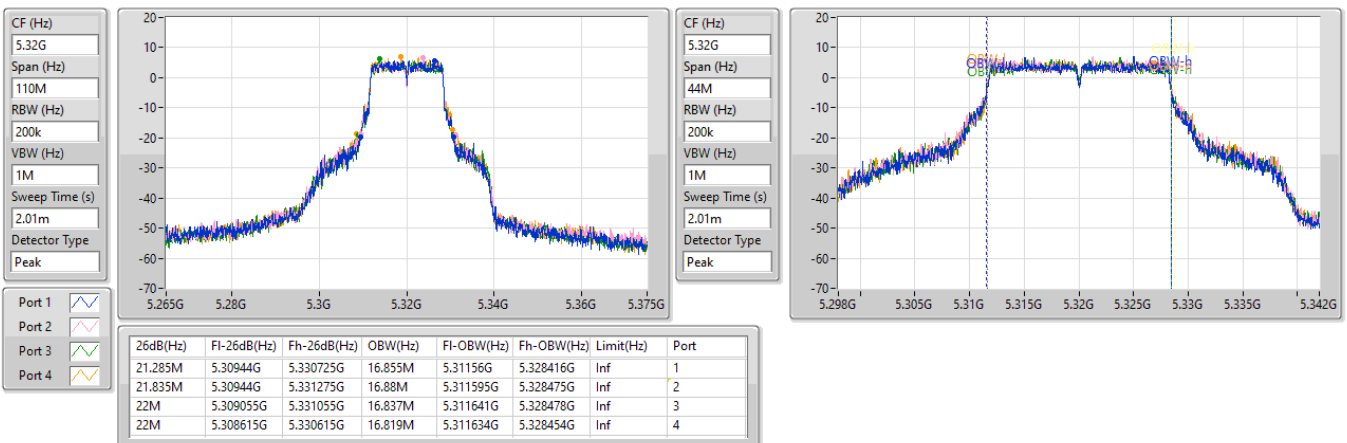


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

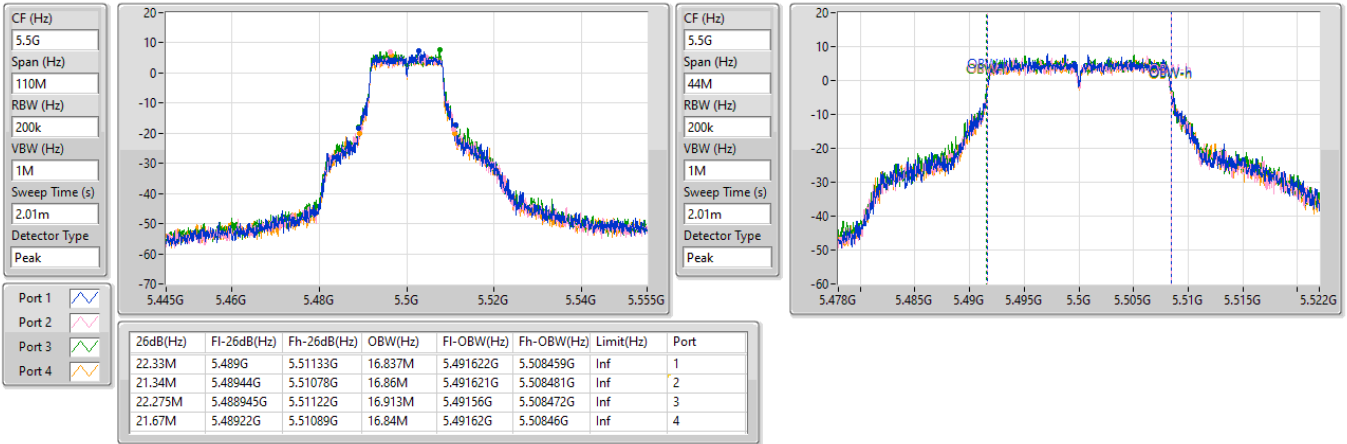
5320MHz

20/09/2024

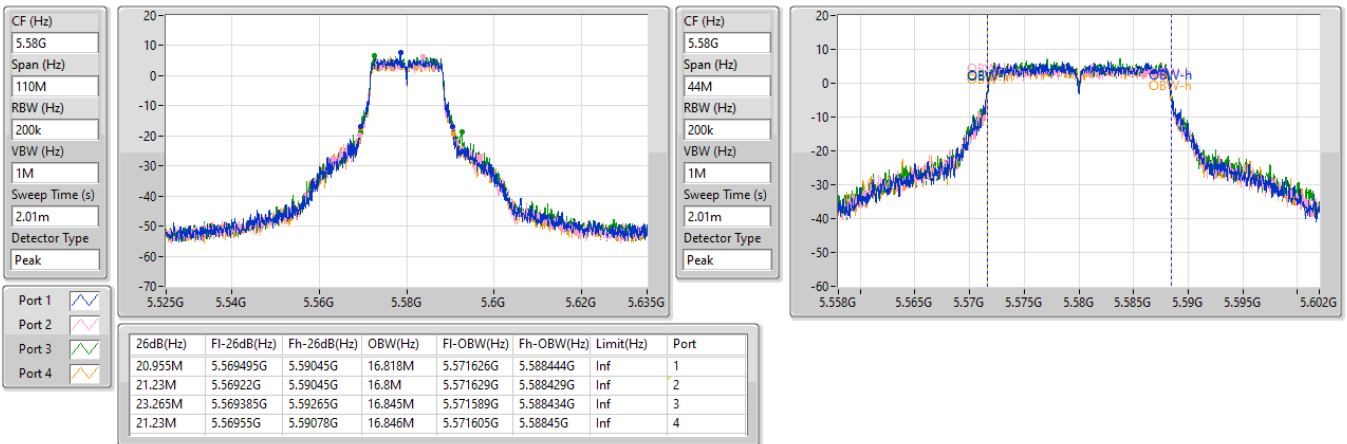


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5500MHz

20/09/2024


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

20/09/2024

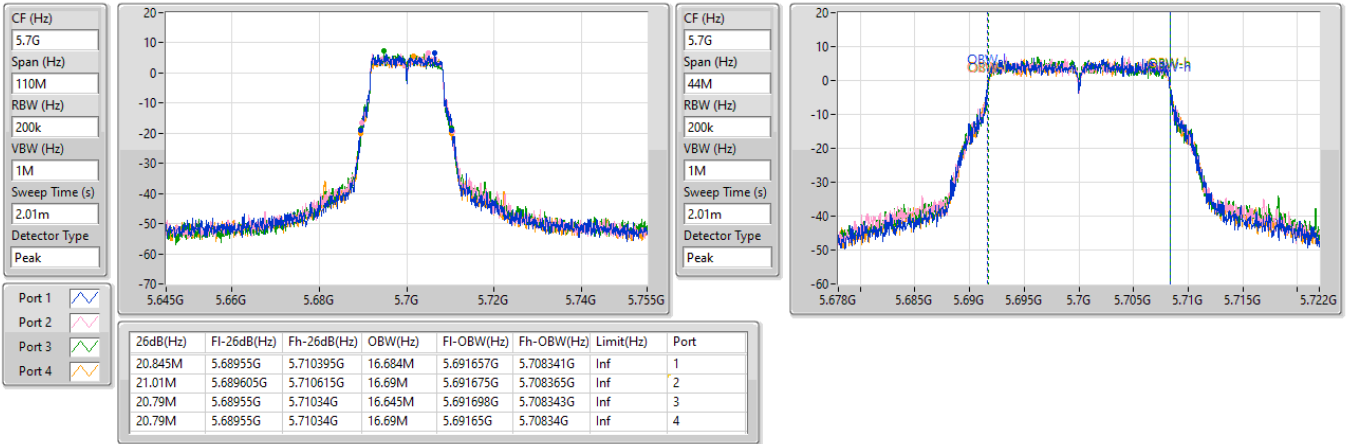


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

20/09/2024

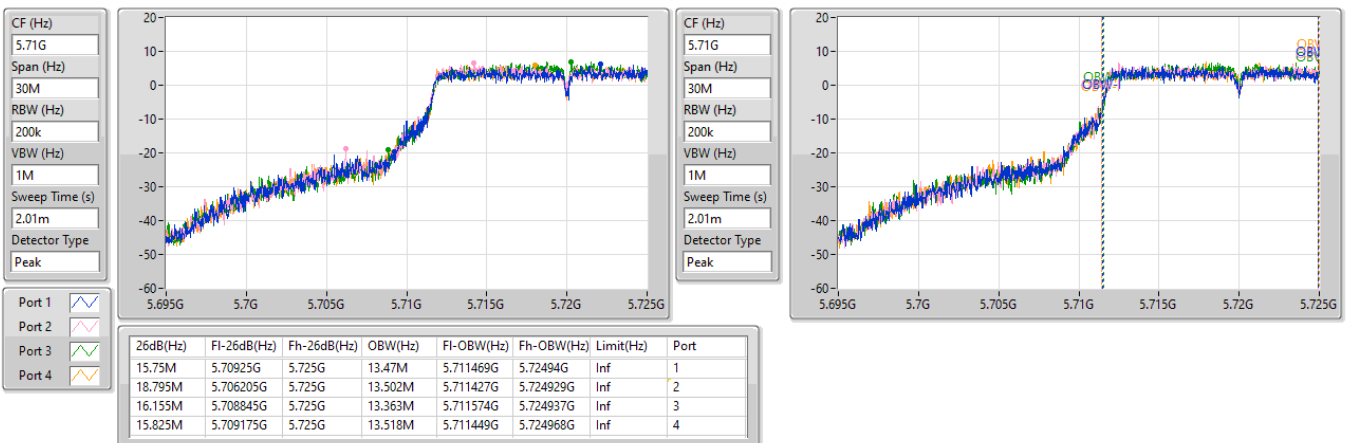


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

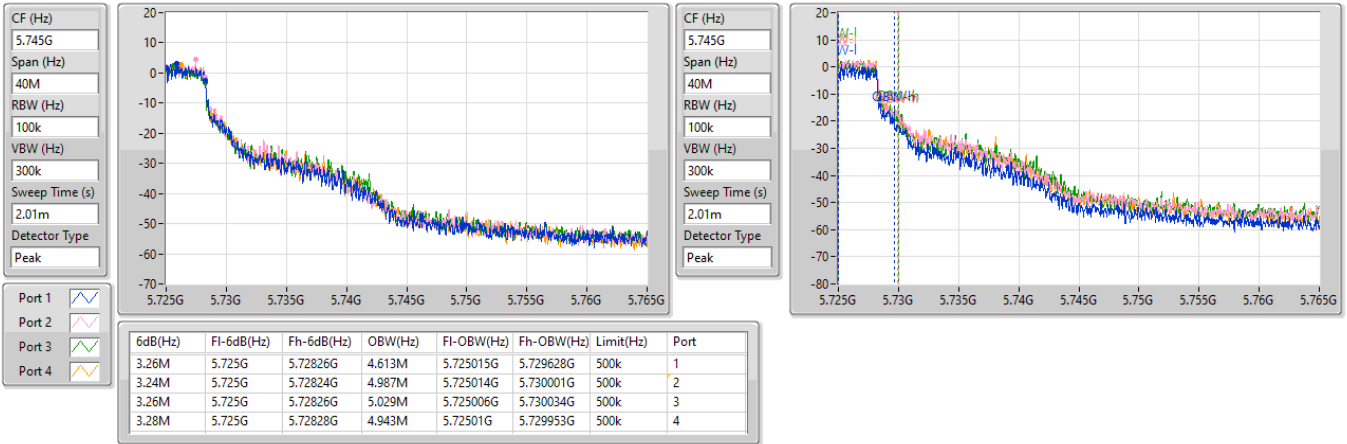
5720MHz Straddle 5.47-5.725GHz

20/09/2024

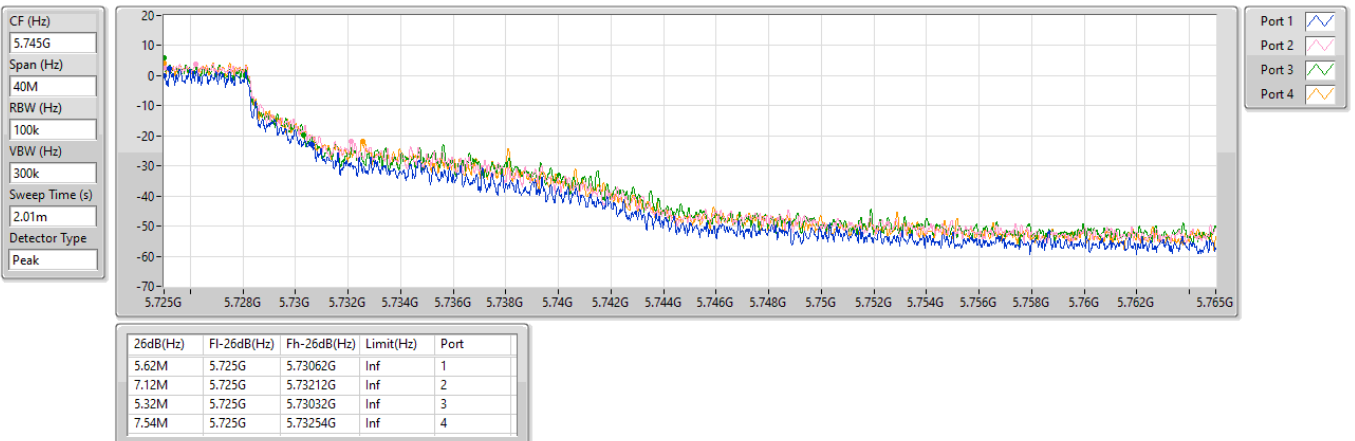


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

20/09/2024

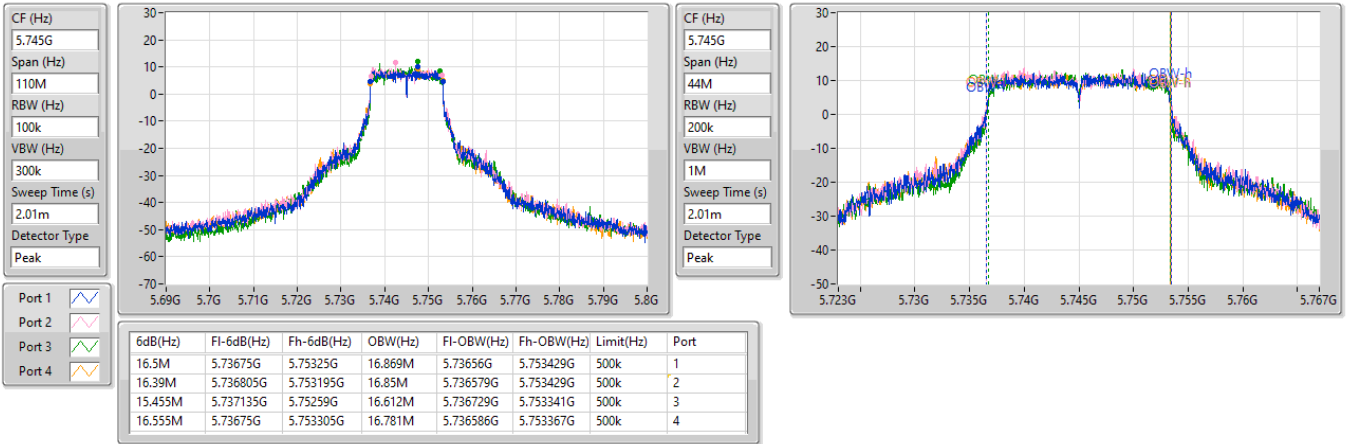

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

20/09/2024

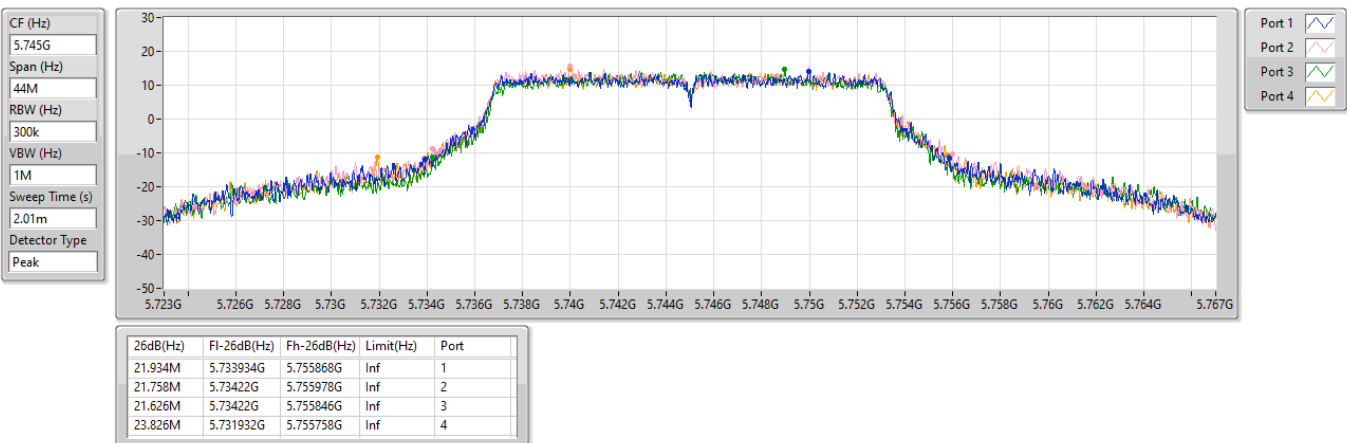


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5745MHz

20/09/2024

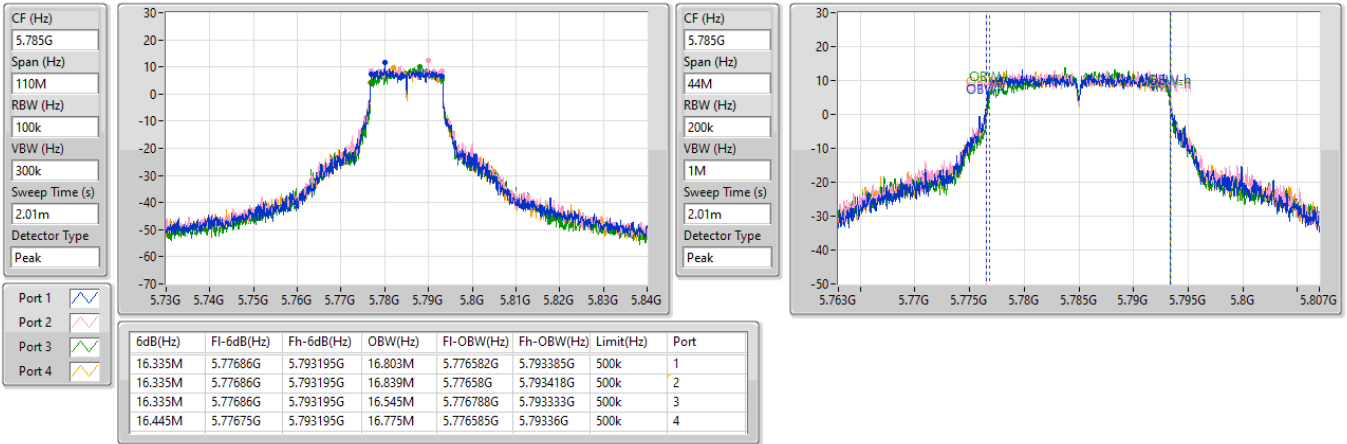

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5745MHz

20/09/2024

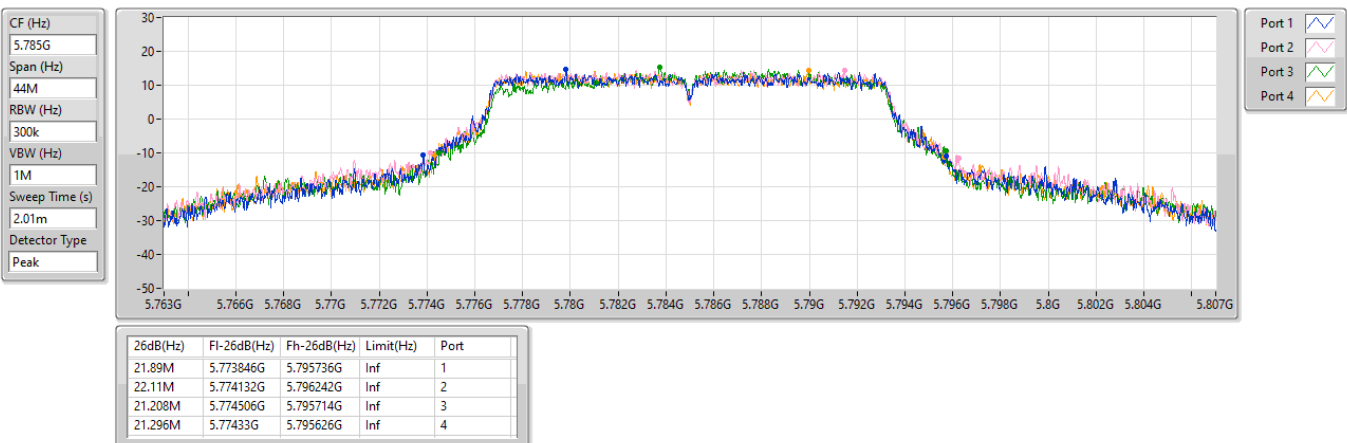


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5785MHz

20/09/2024


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5785MHz

20/09/2024

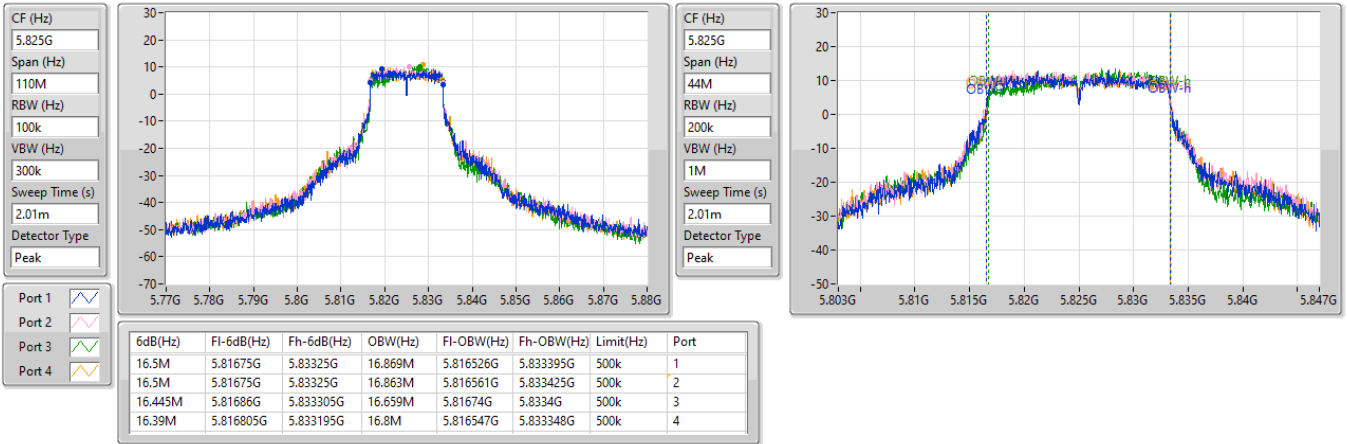


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

20/09/2024

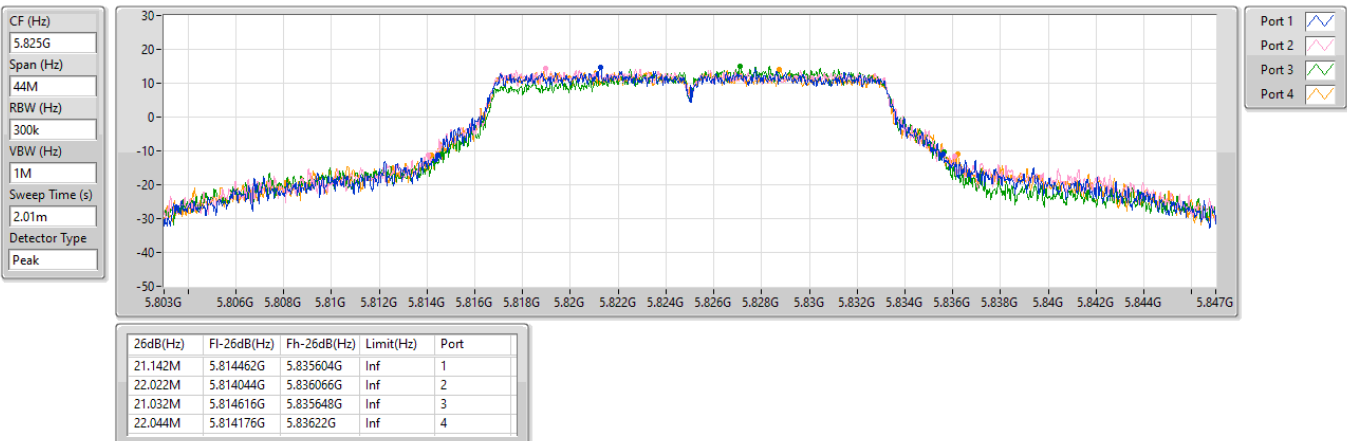


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

20/09/2024

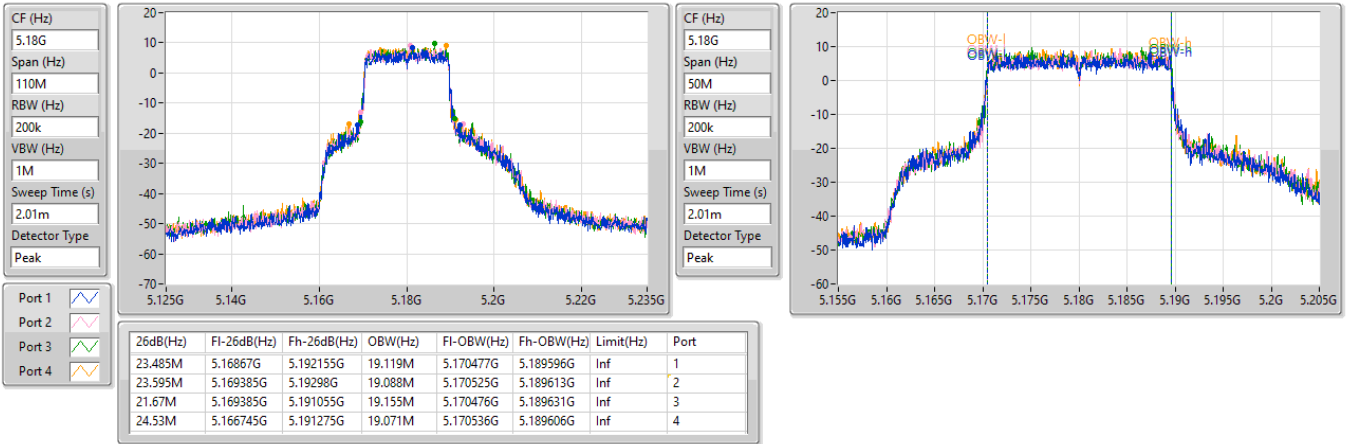


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5180MHz

20/09/2024

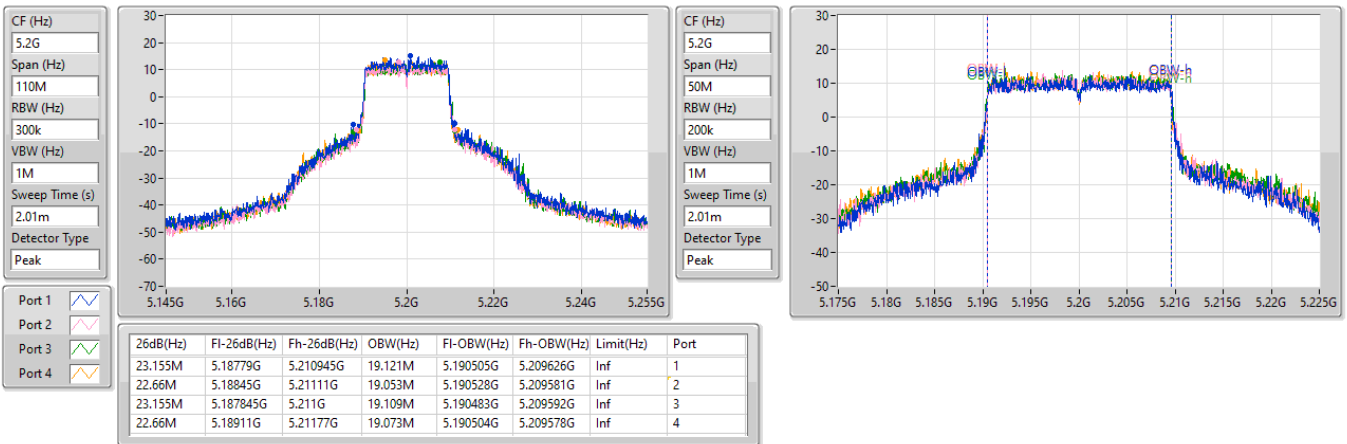


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5200MHz

20/09/2024

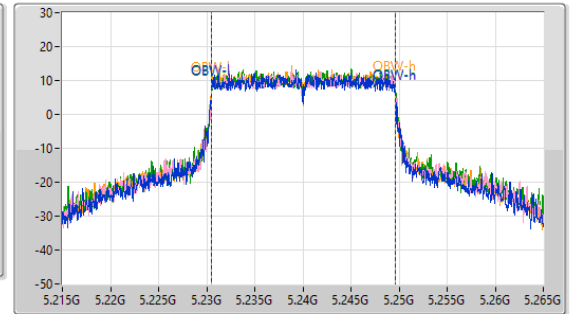
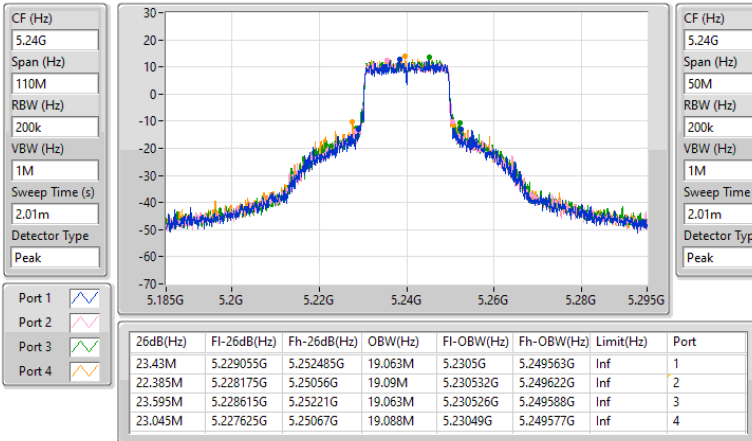


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5240MHz

20/09/2024

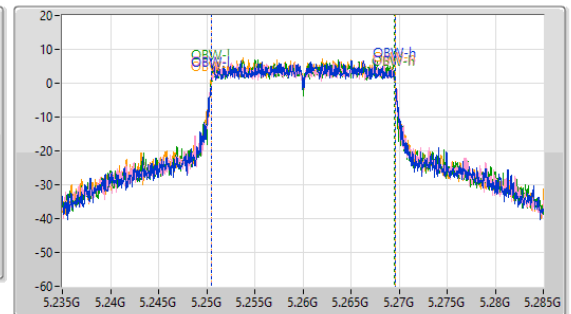
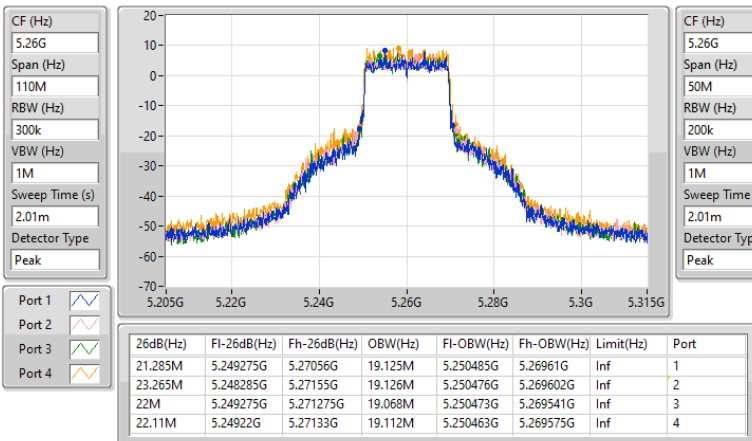


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

20/09/2024

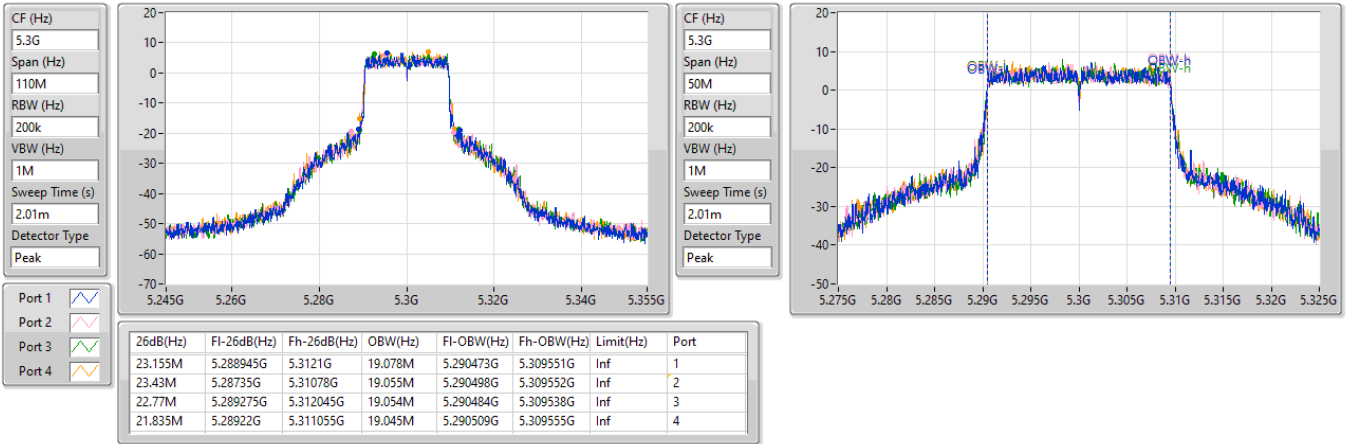


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

20/09/2024

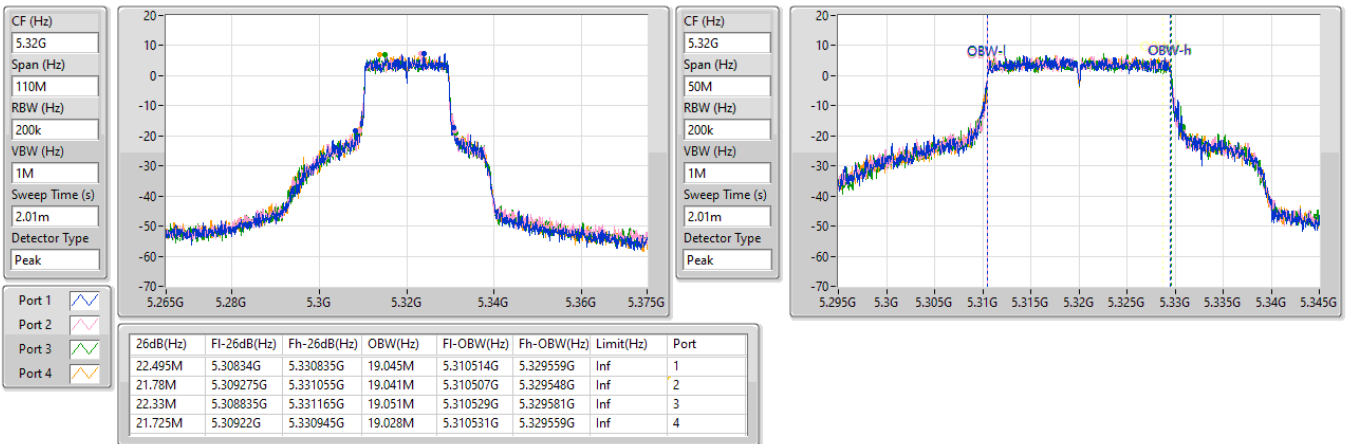


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

20/09/2024

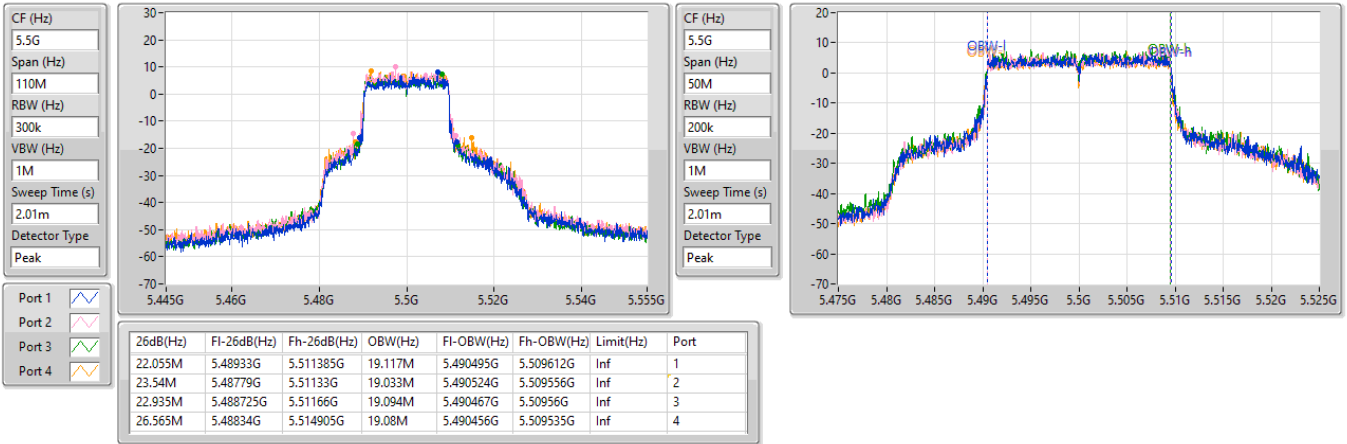


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

20/09/2024

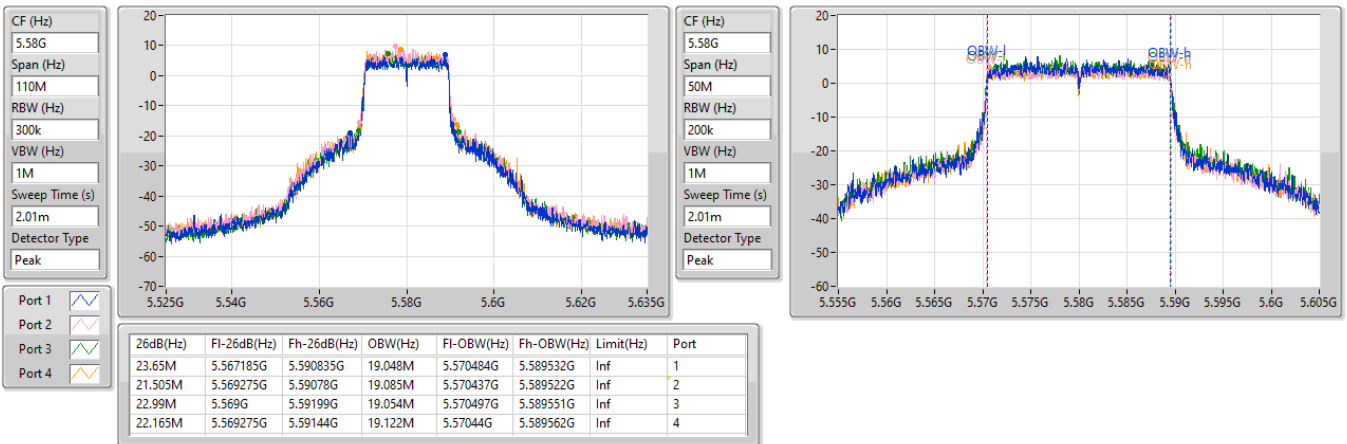


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

20/09/2024

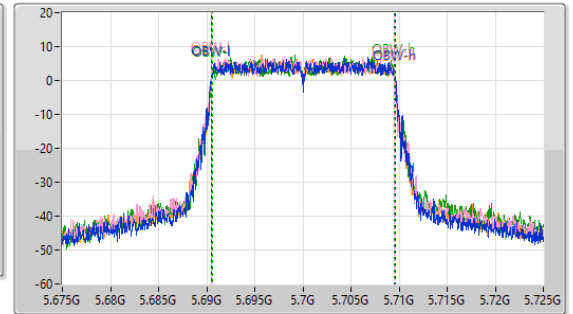
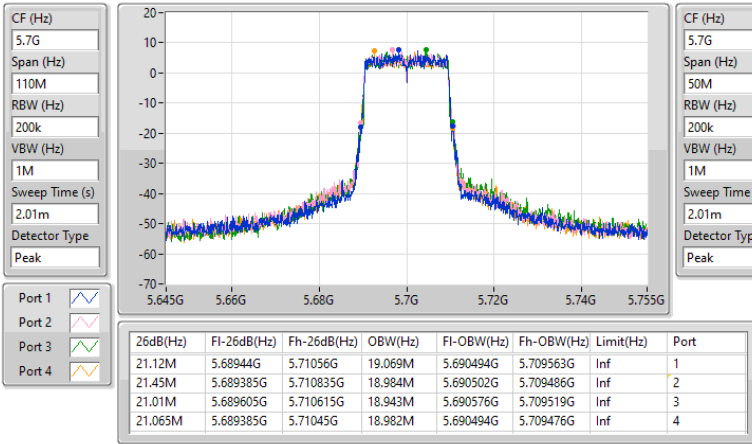


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

20/09/2024

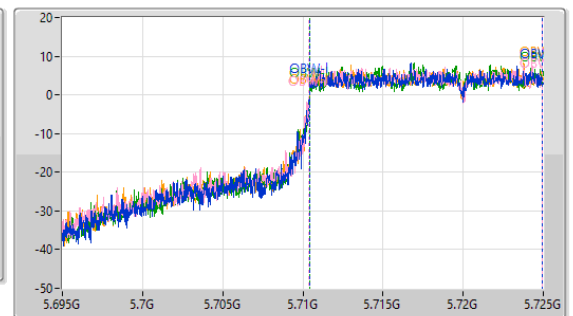
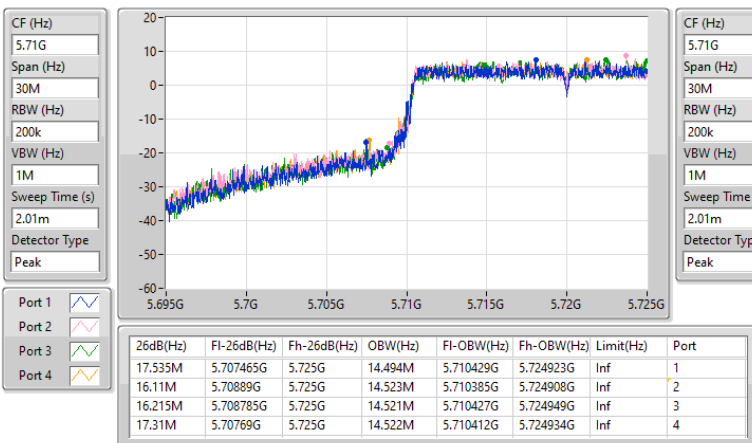


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

20/09/2024

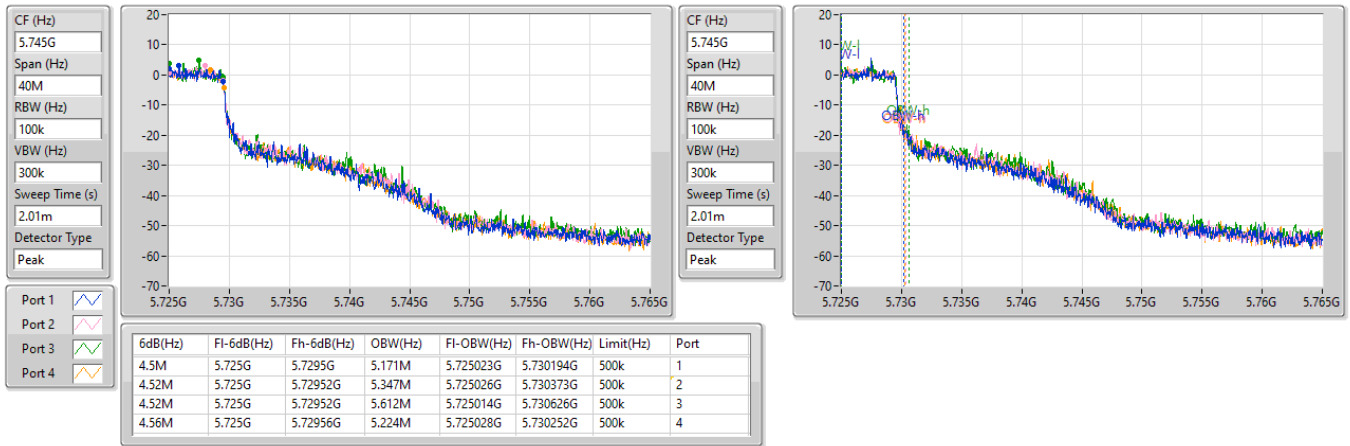


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

20/09/2024

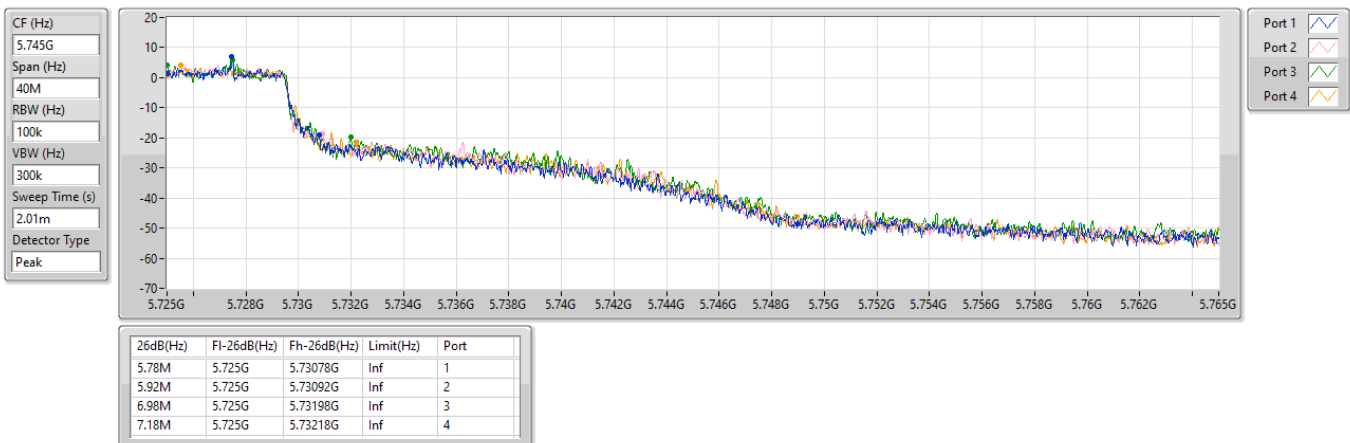


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

20/09/2024

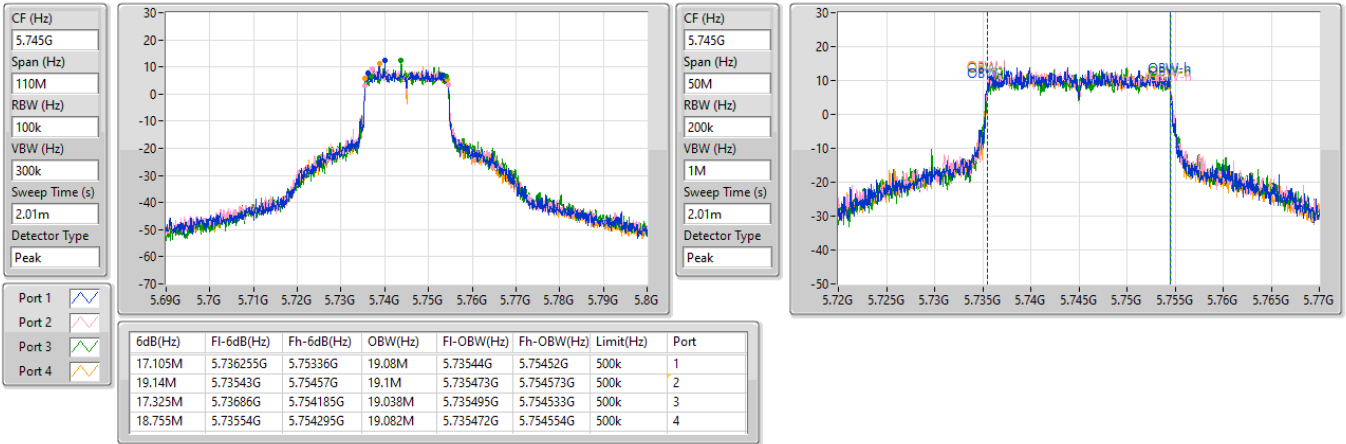


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5745MHz

20/09/2024

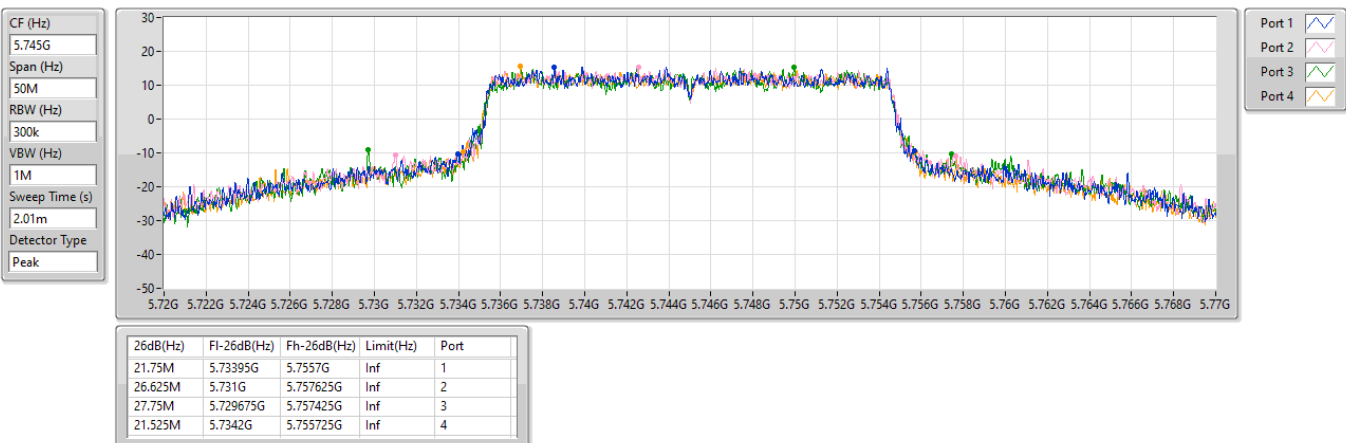


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5745MHz

20/09/2024

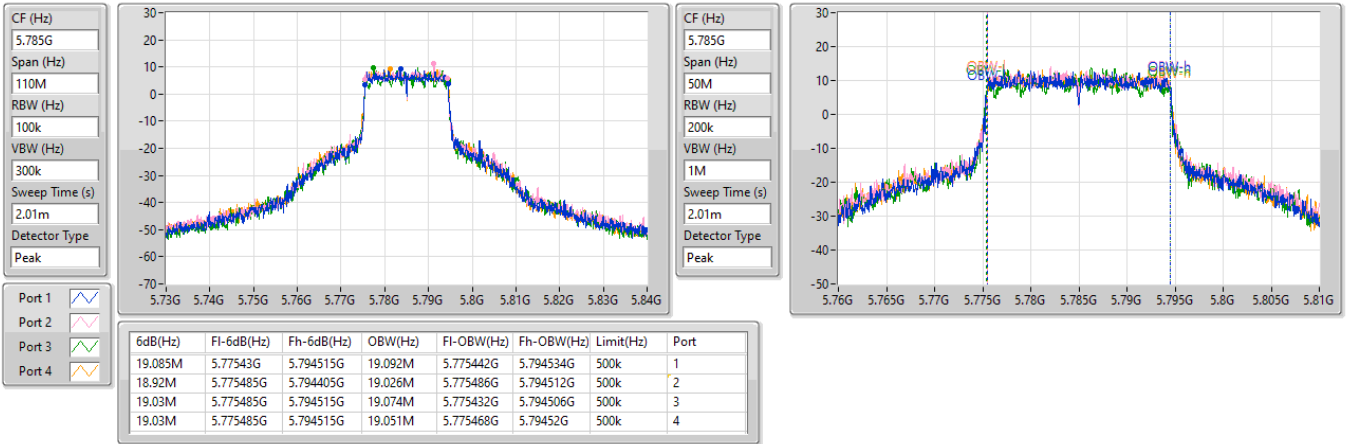


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5785MHz

20/09/2024



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5785MHz

20/09/2024

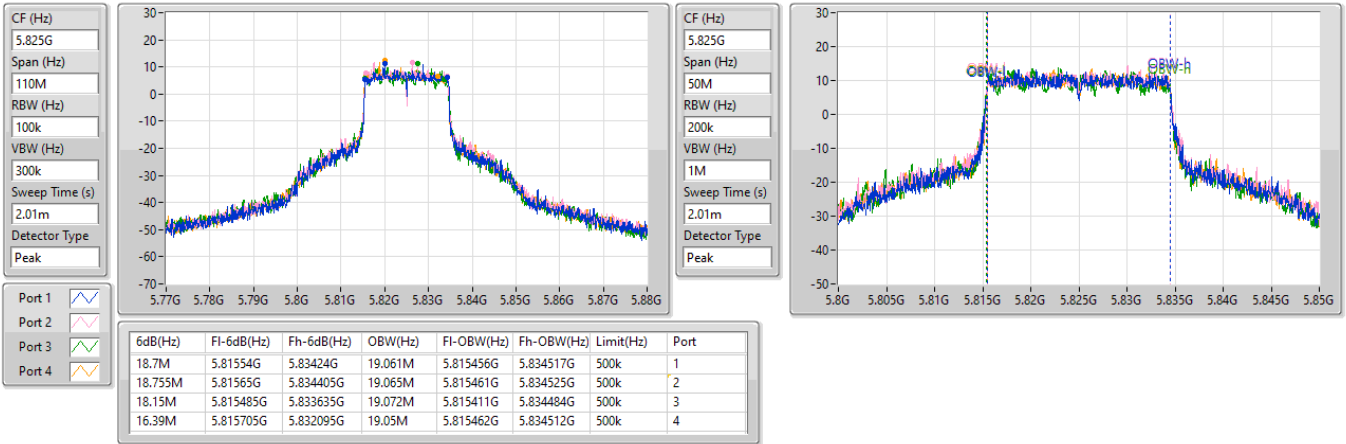


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5825MHz

20/09/2024

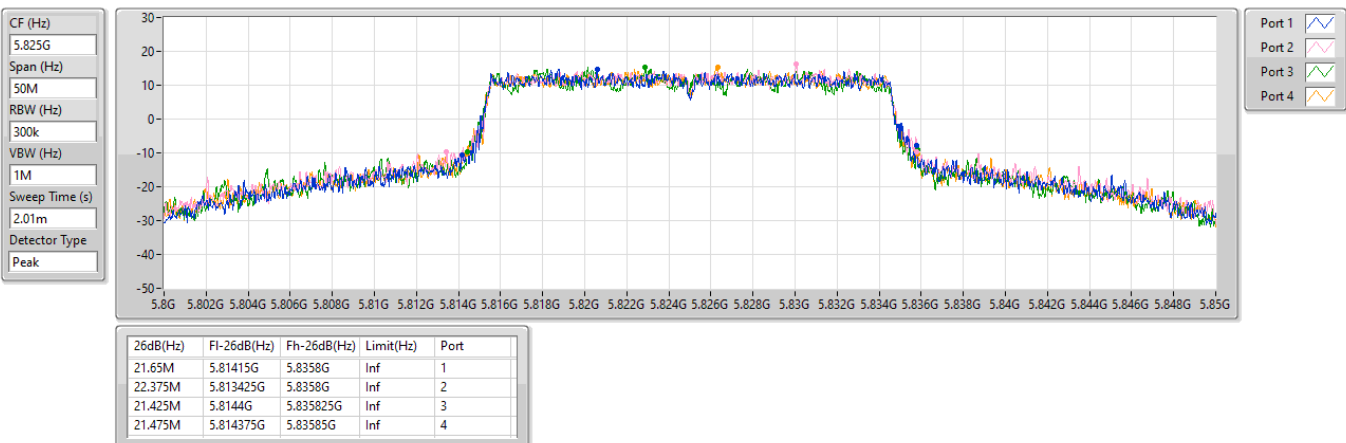


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5825MHz

20/09/2024

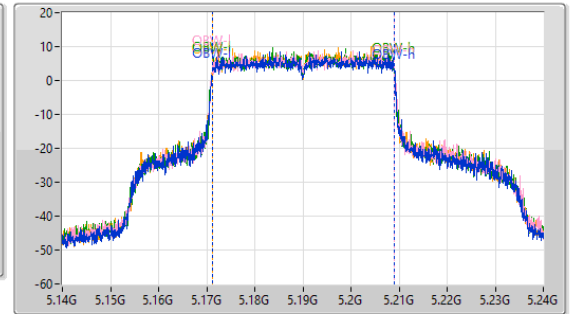
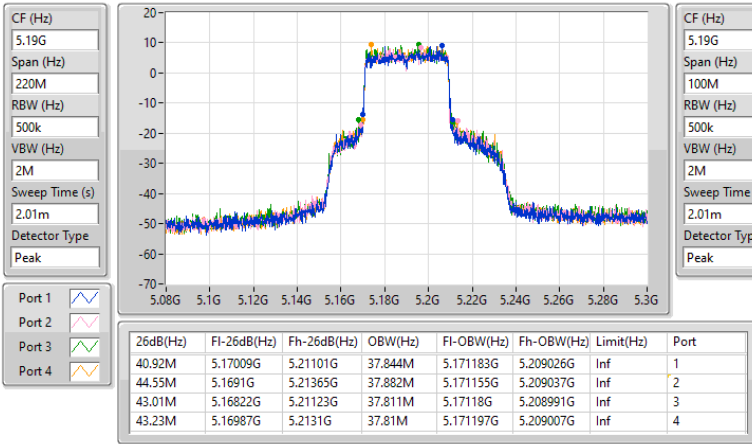


5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

5190MHz

20/09/2024

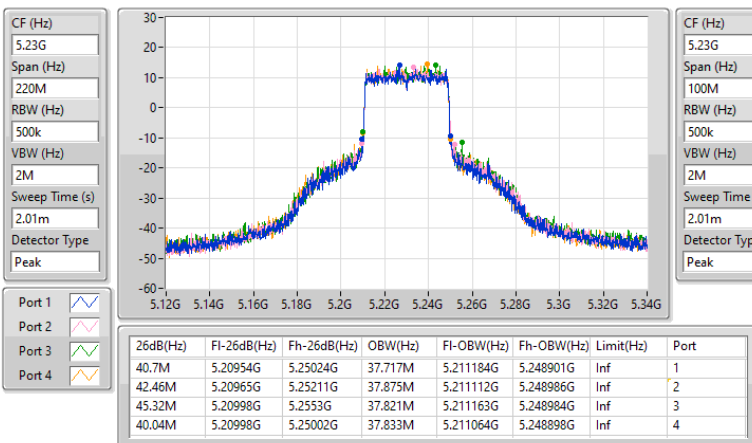


5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

5230MHz

20/09/2024

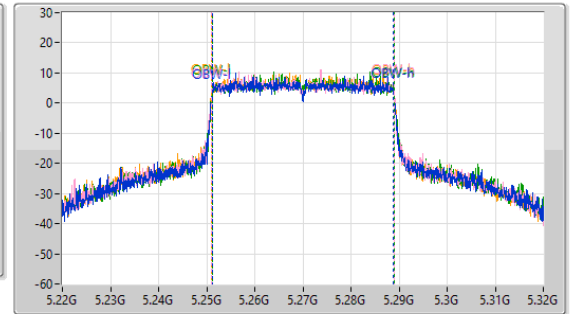
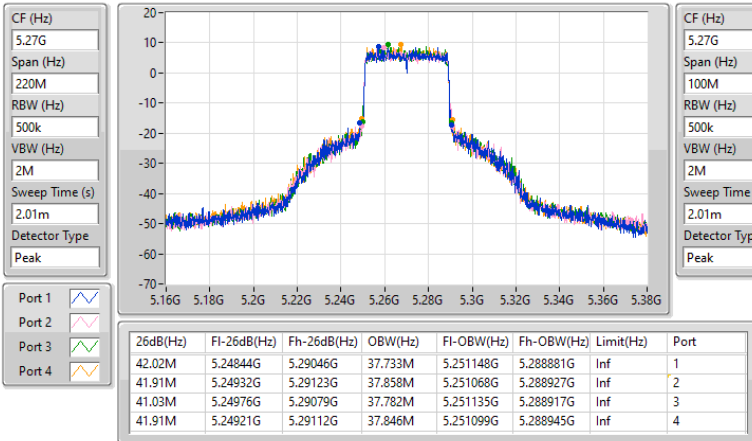


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

20/09/2024

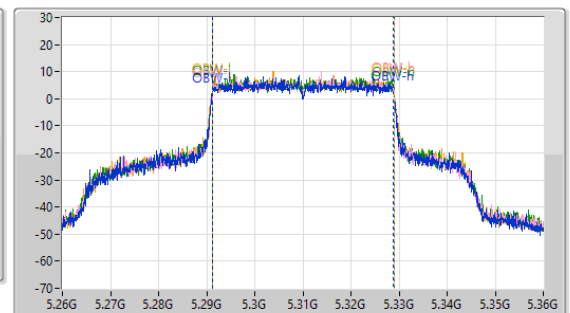
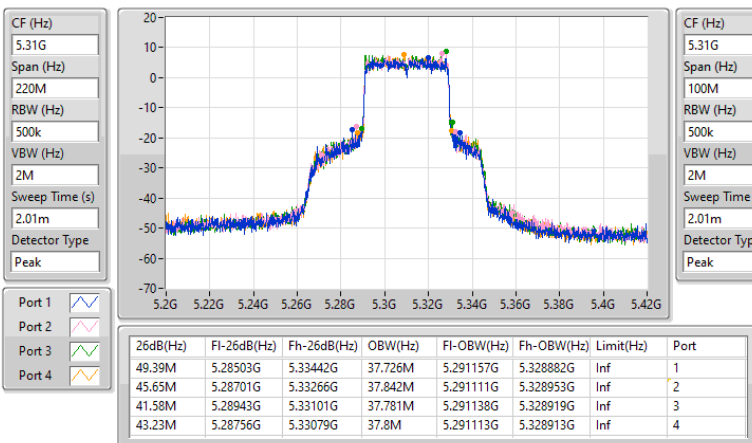


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

20/09/2024

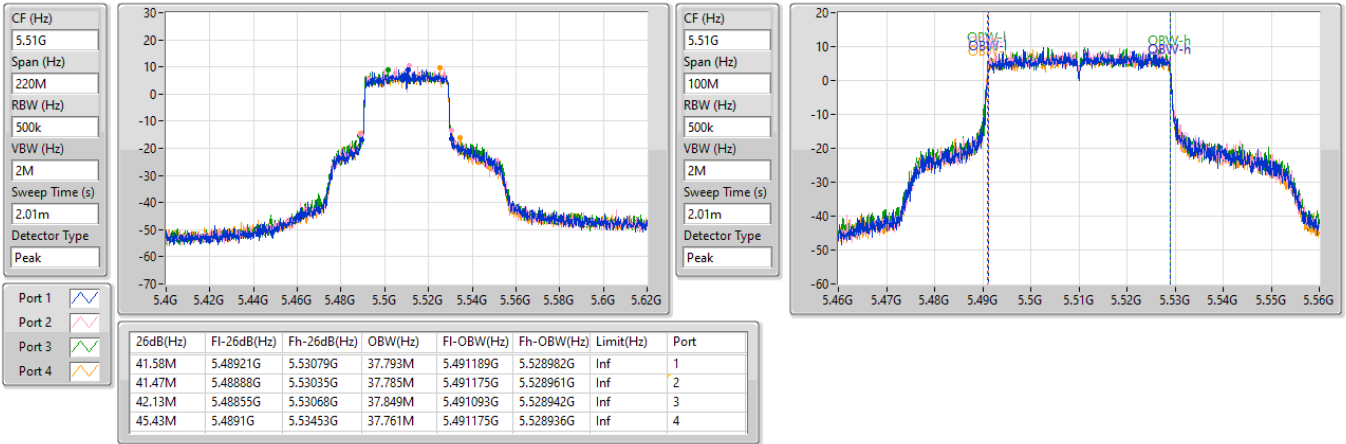


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

20/09/2024

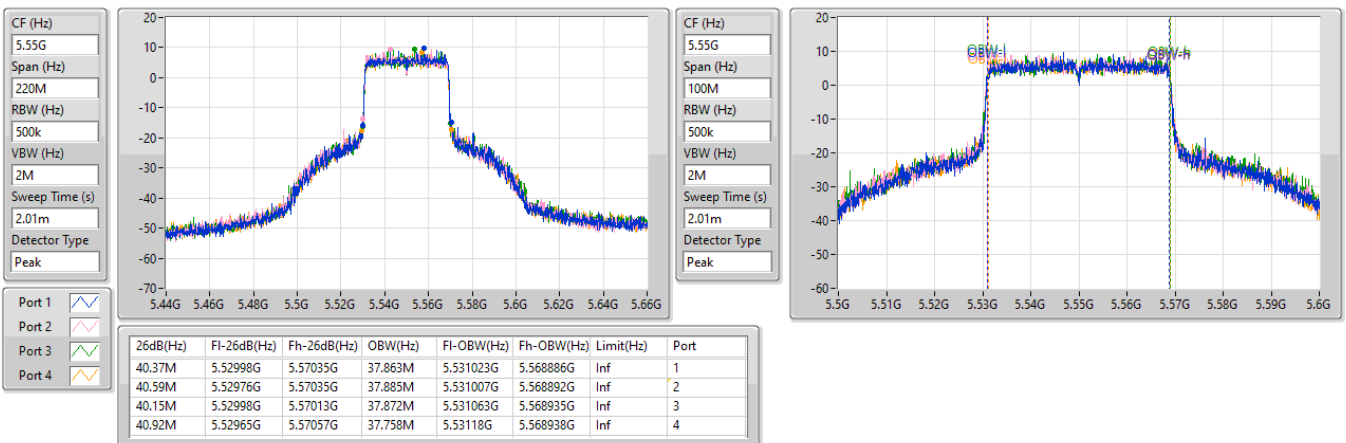


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

20/09/2024

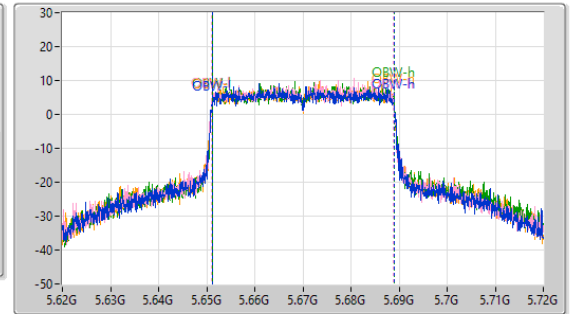
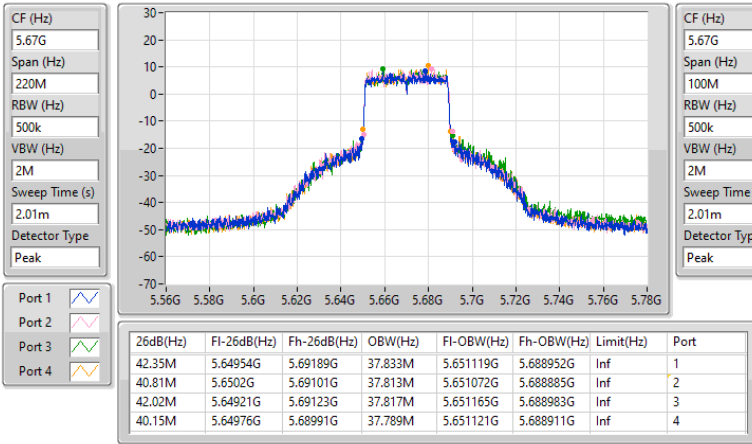


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

20/09/2024

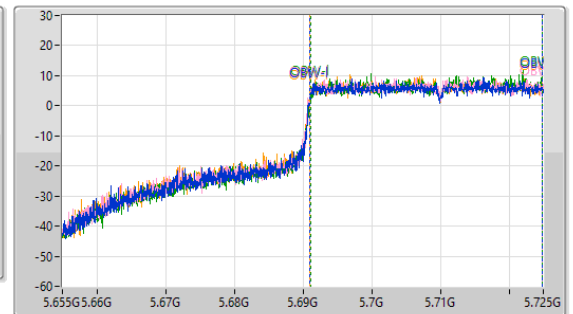
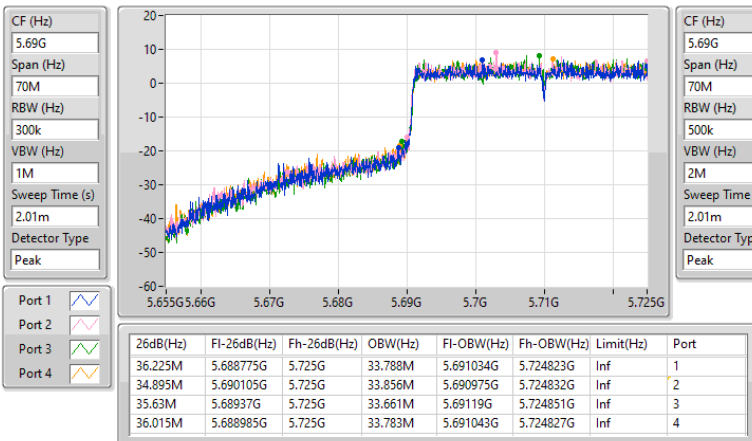


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

20/09/2024

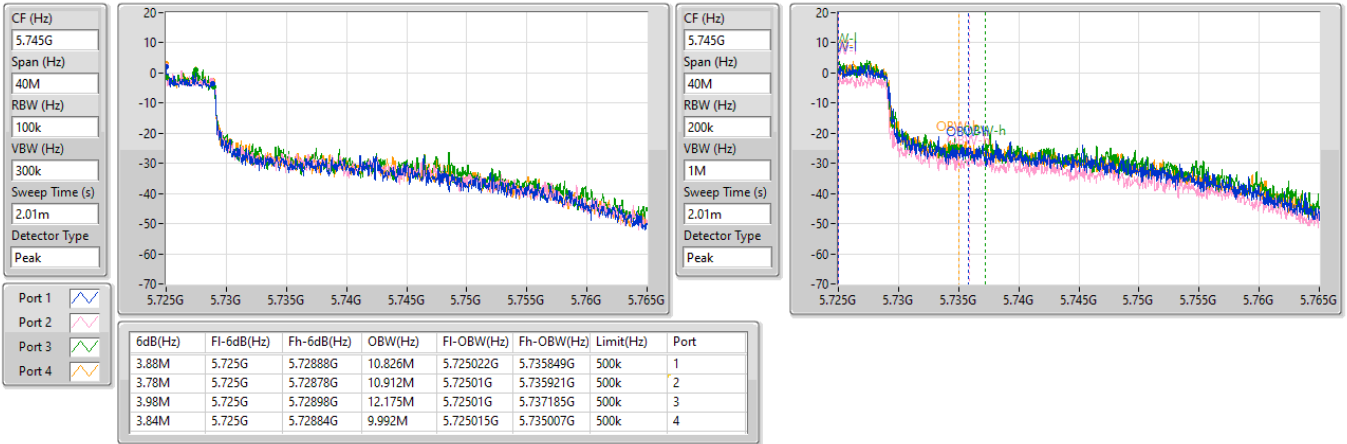


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

20/09/2024

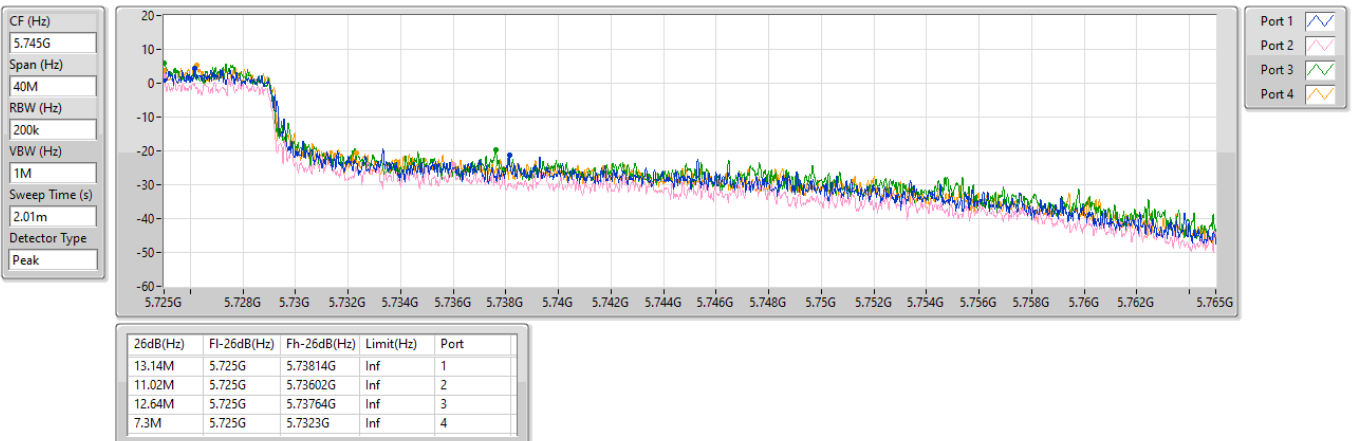


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

20/09/2024

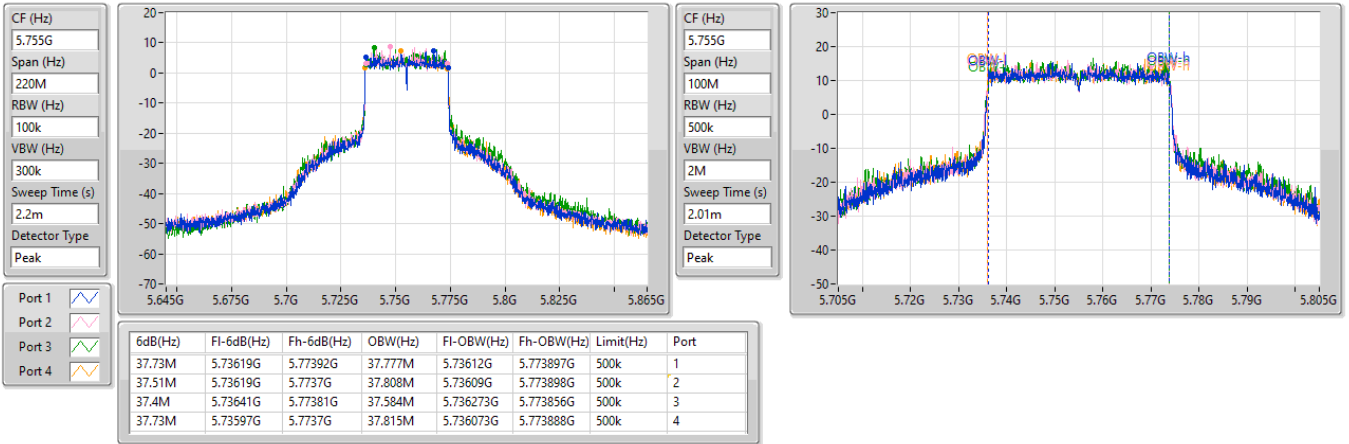


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5755MHz

20/09/2024

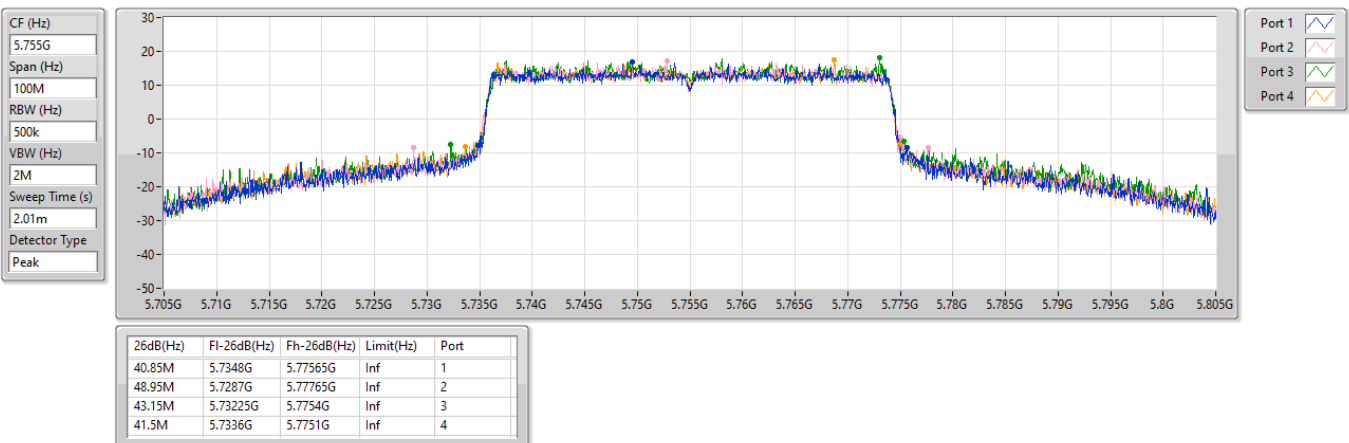


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5755MHz

20/09/2024

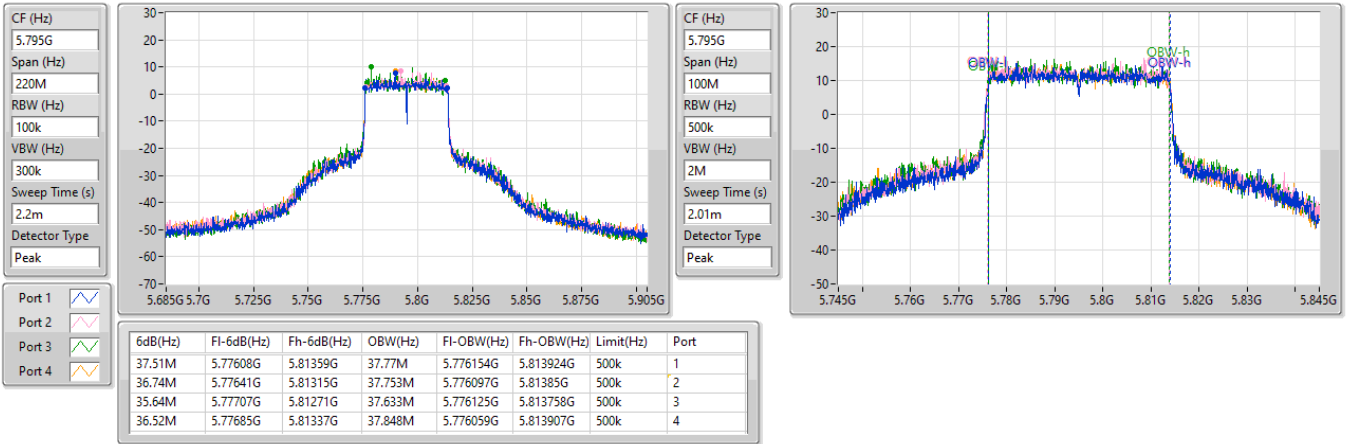


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5795MHz

20/09/2024

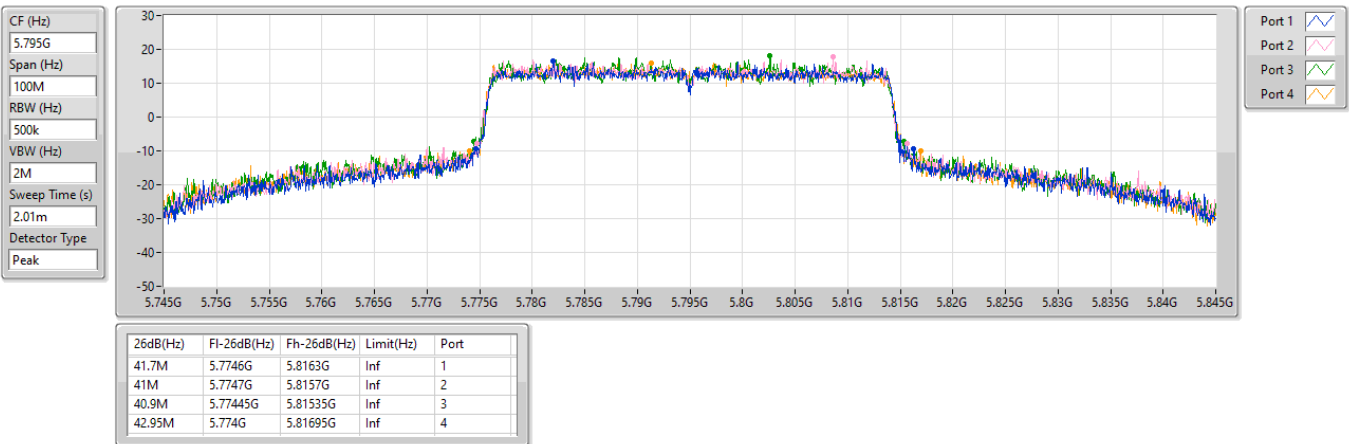


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5795MHz

20/09/2024

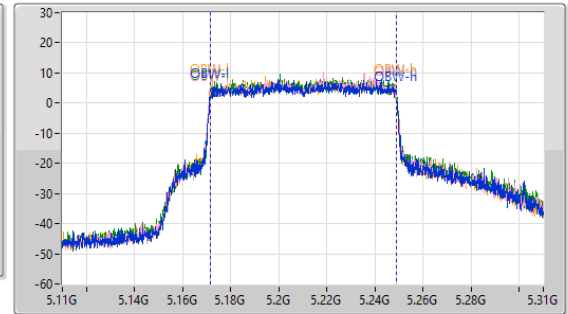
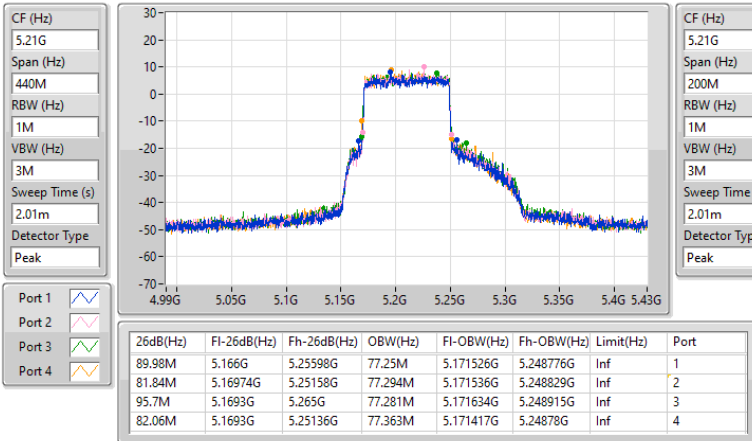


5.15-5.25GHz_802.11ax_HEW80_Nss1,(MCS0)_4TX

EBW

5210MHz

20/09/2024

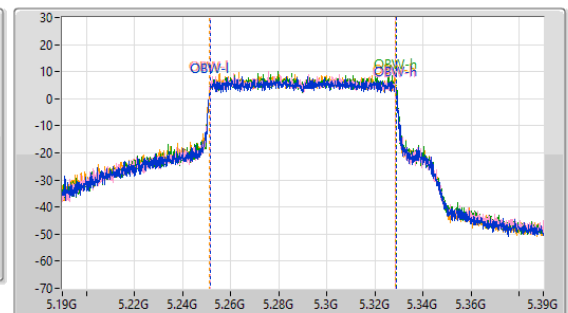
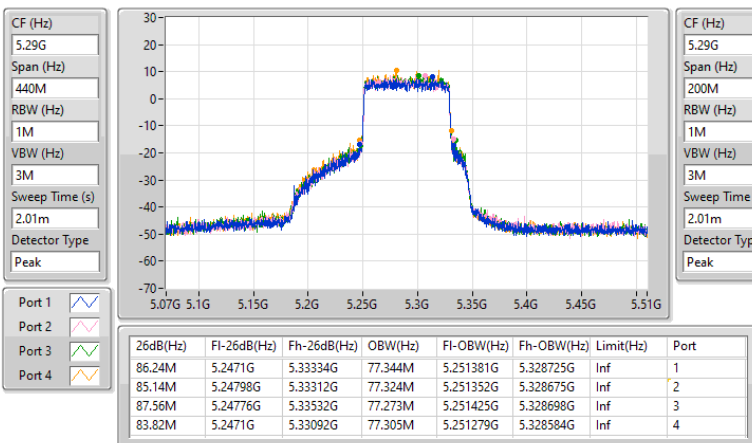


5.25-5.35GHz_802.11ax_HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

20/09/2024

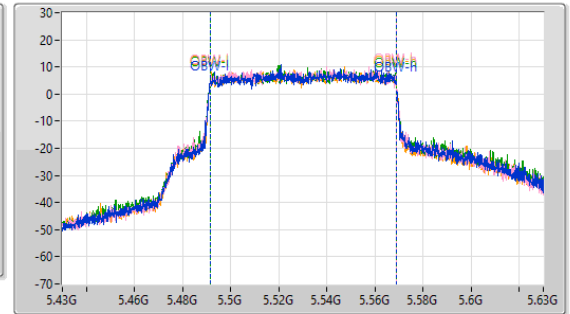
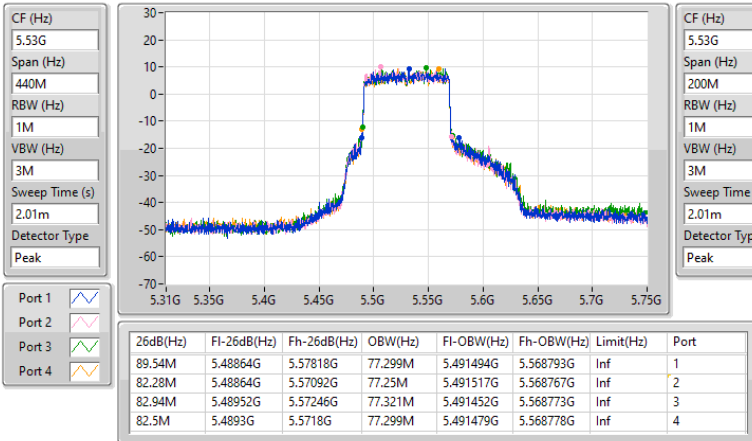


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

20/09/2024

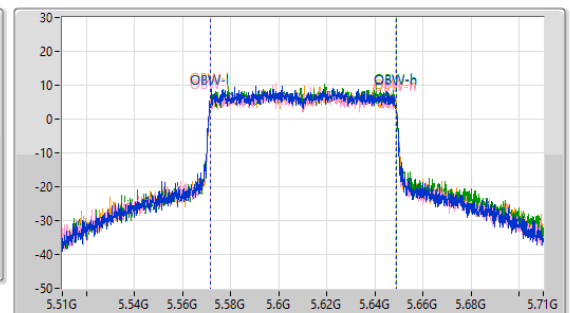
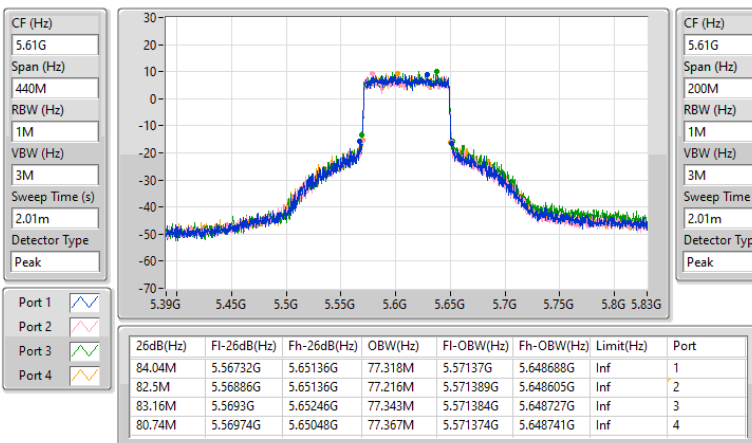


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

20/09/2024

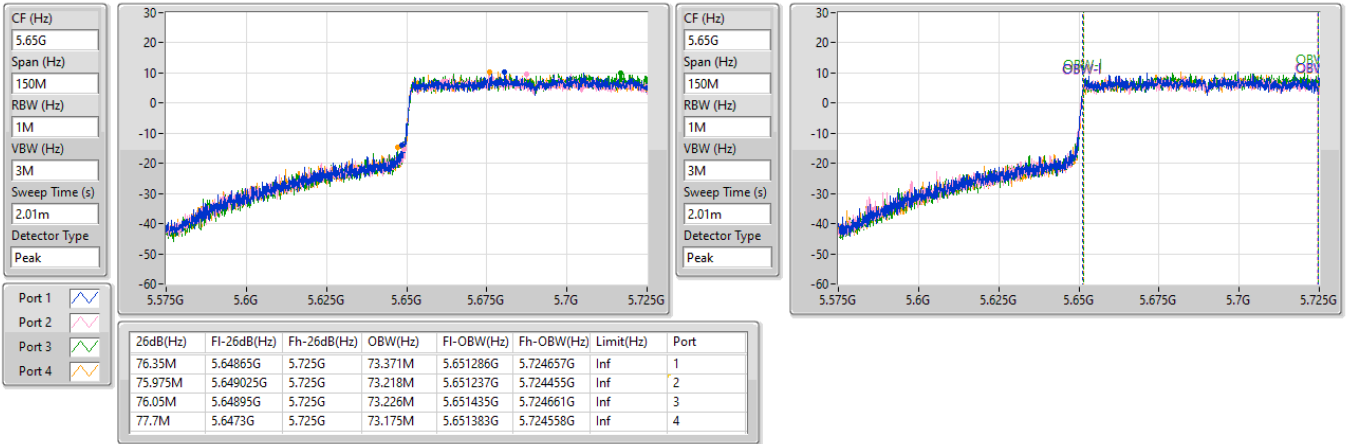


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

20/09/2024

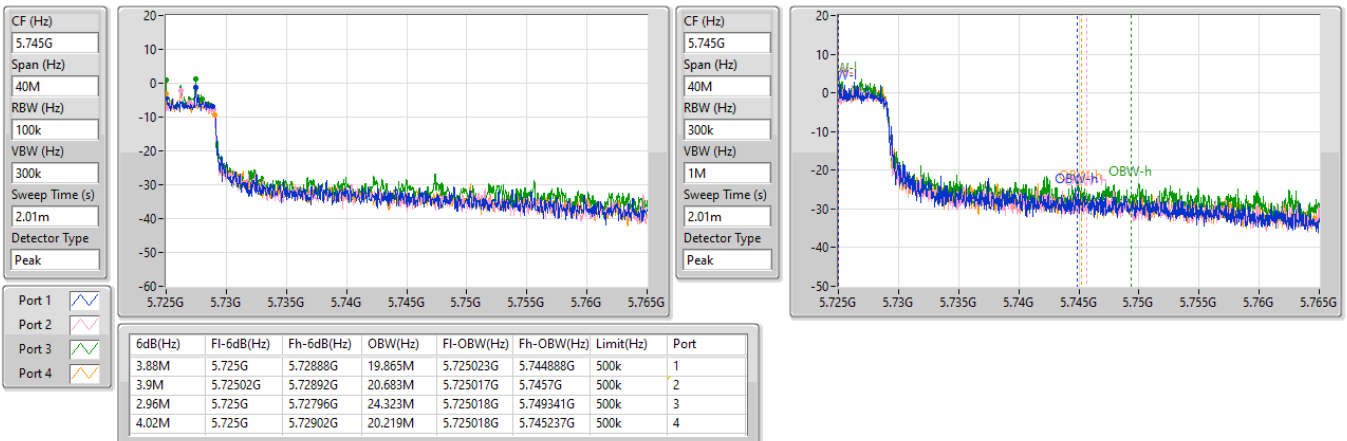


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

20/09/2024

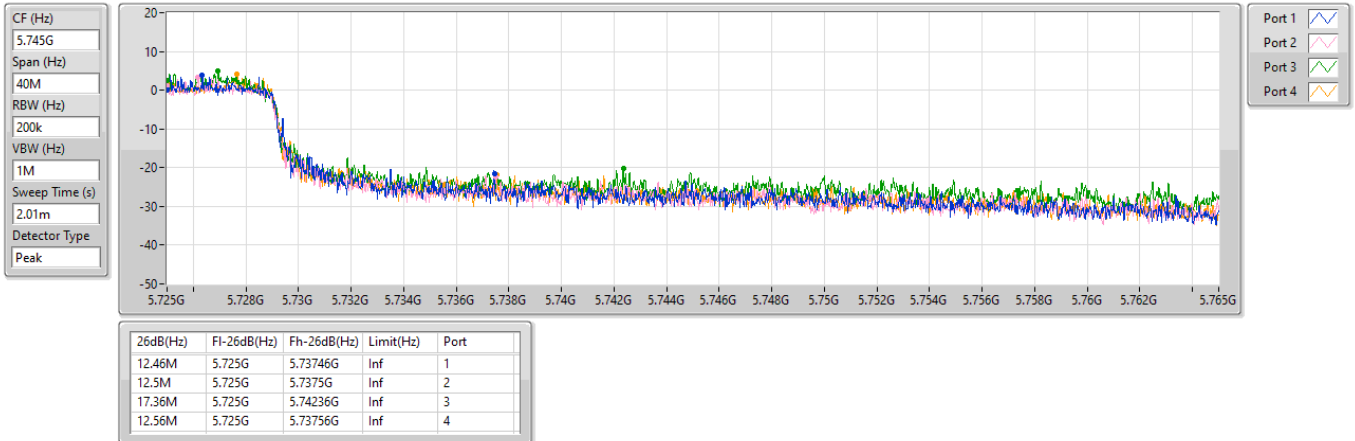


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

20/09/2024

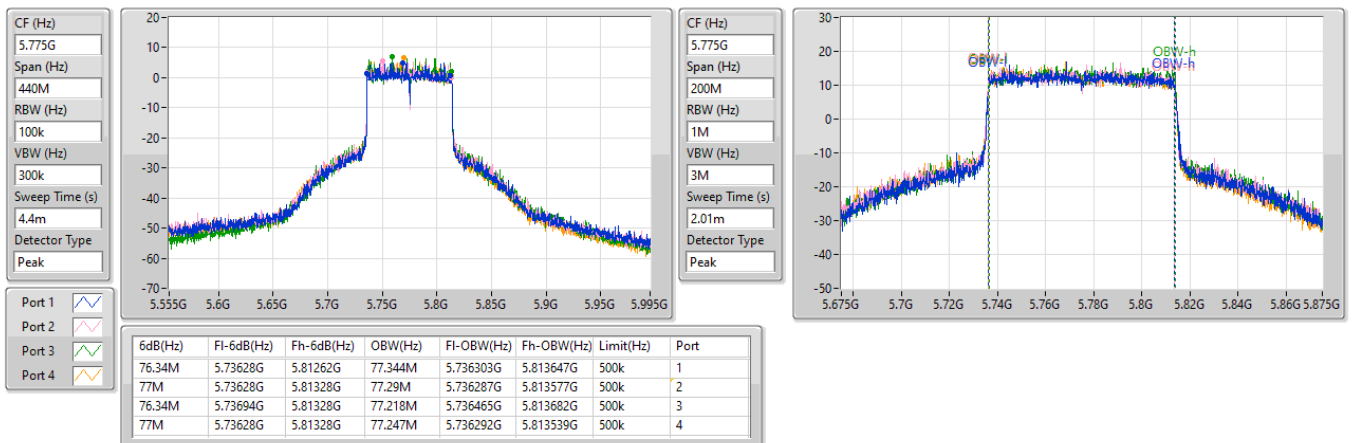


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

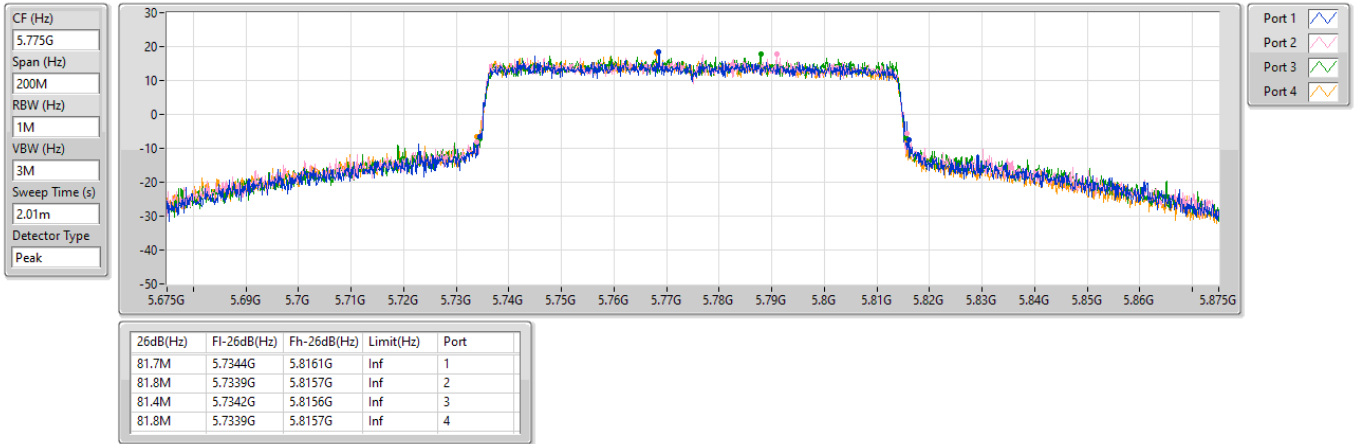
5775MHz

20/09/2024

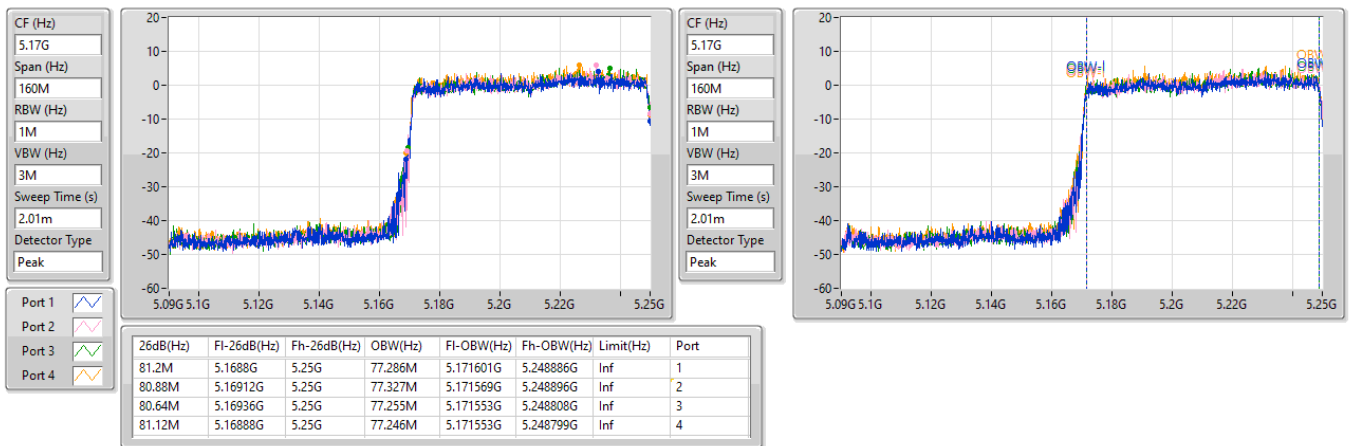


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5775MHz

20/09/2024


5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

20/09/2024

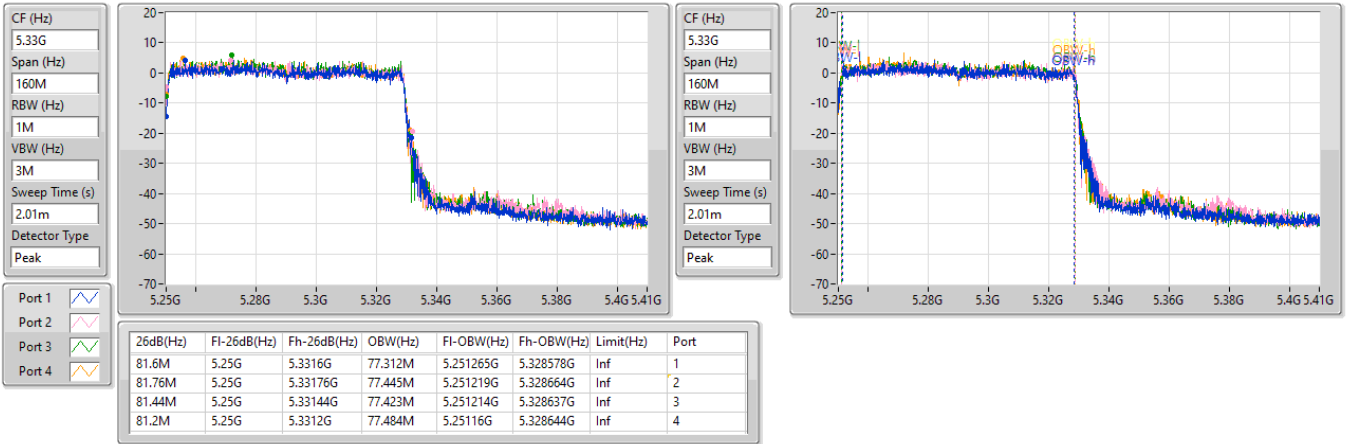


5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

20/09/2024

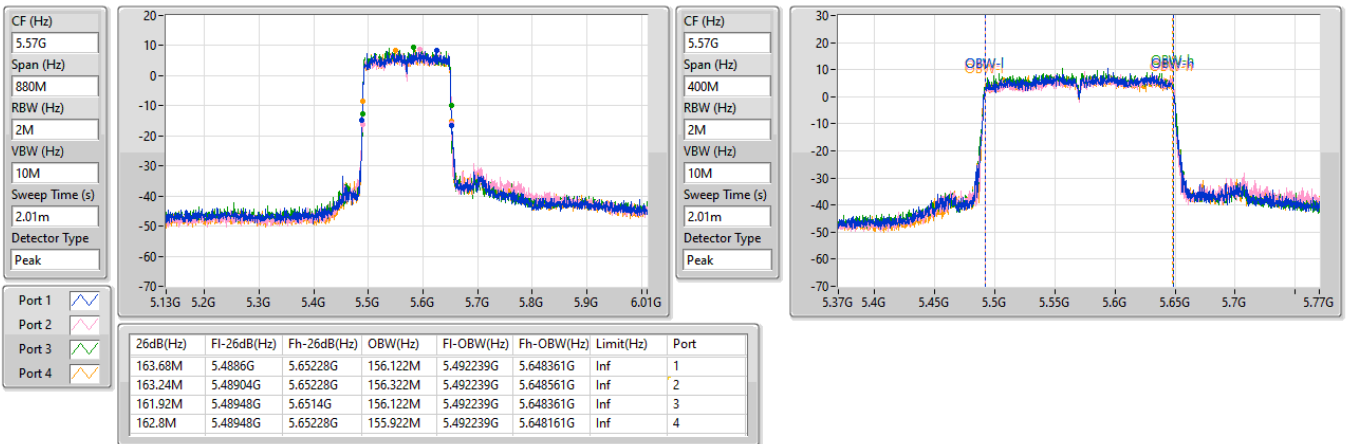


5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5570MHz

26/09/2024

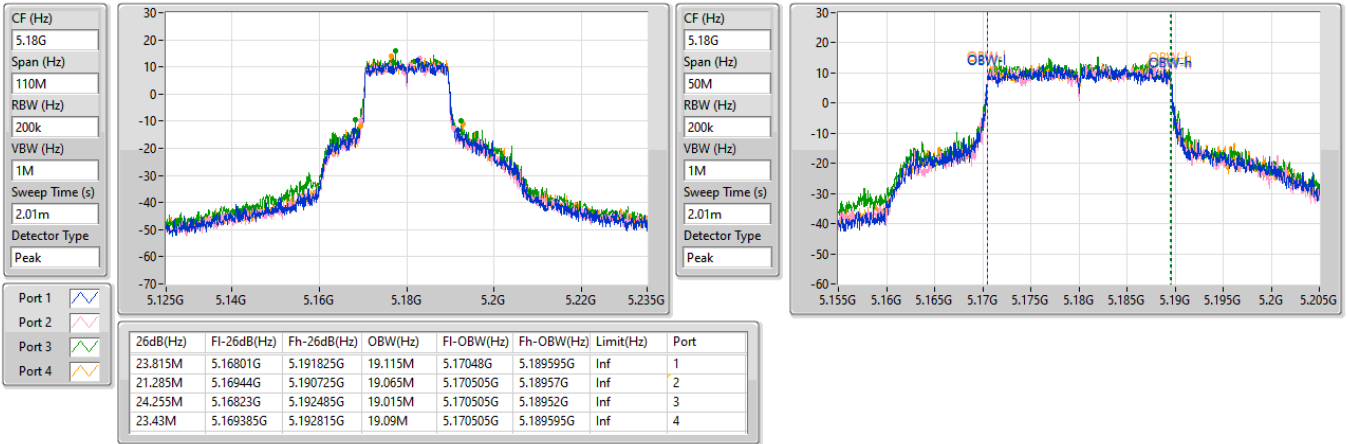


5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5180MHz

26/09/2024

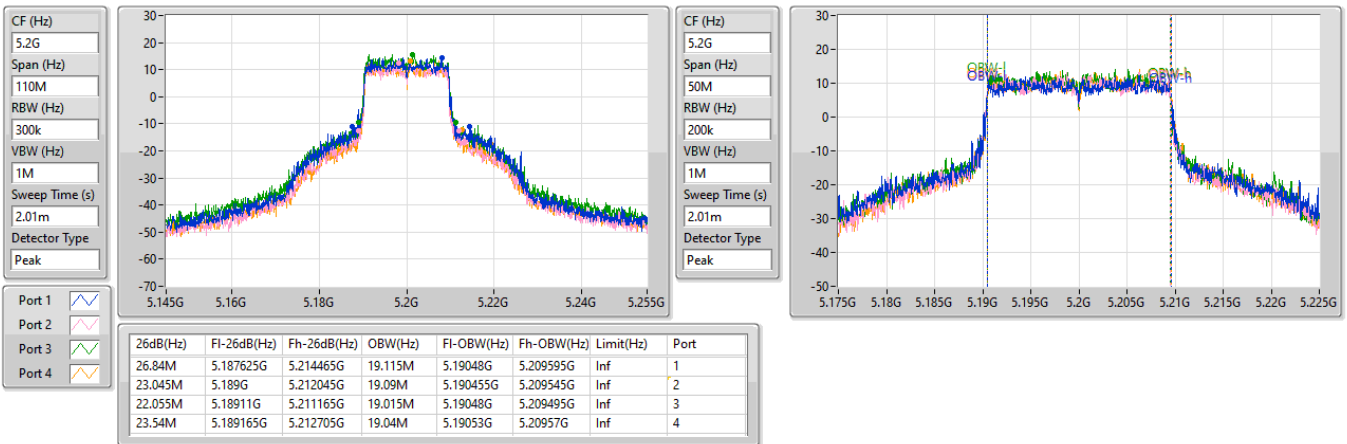


5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5200MHz

26/09/2024

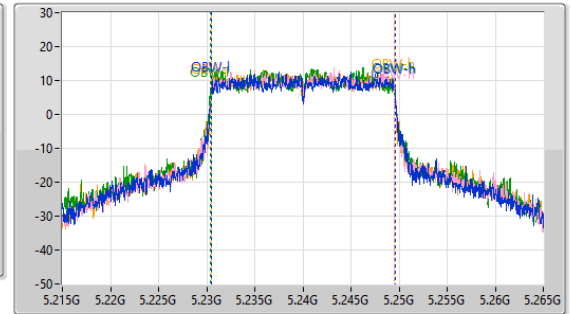
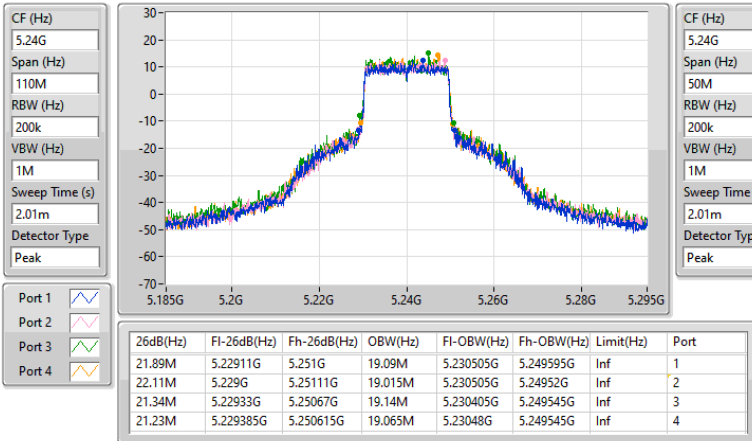


5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5240MHz

26/09/2024

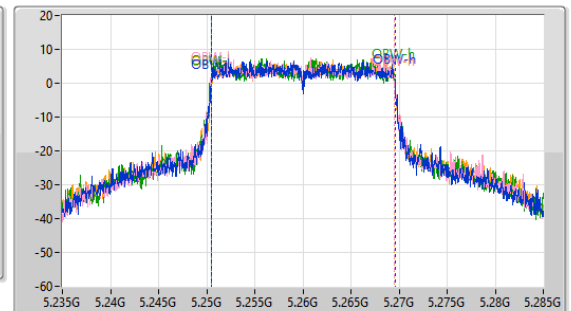
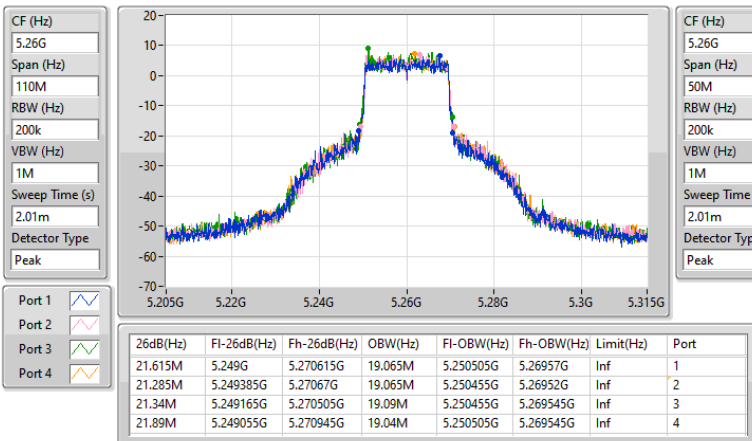


5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

26/09/2024

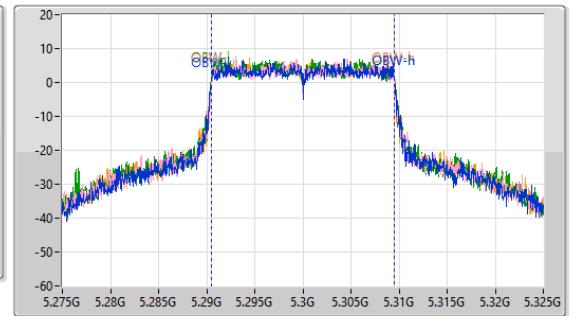
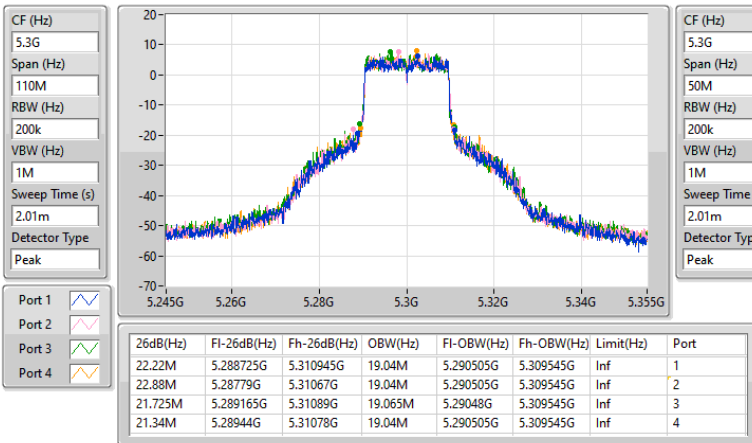


5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

26/09/2024

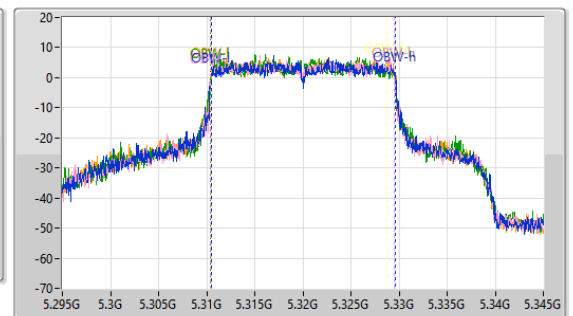
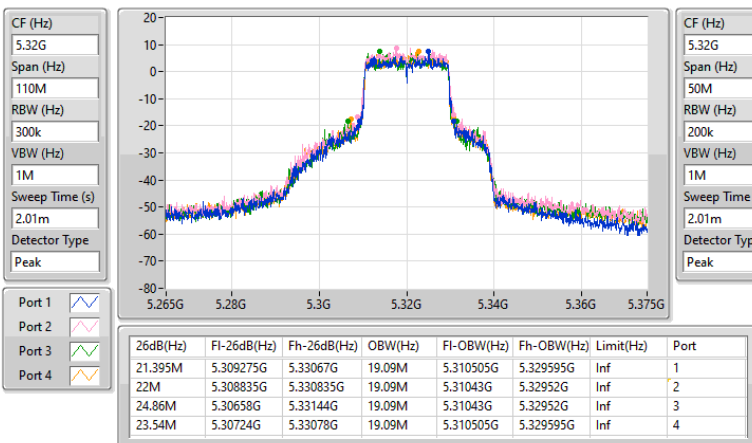


5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

26/09/2024

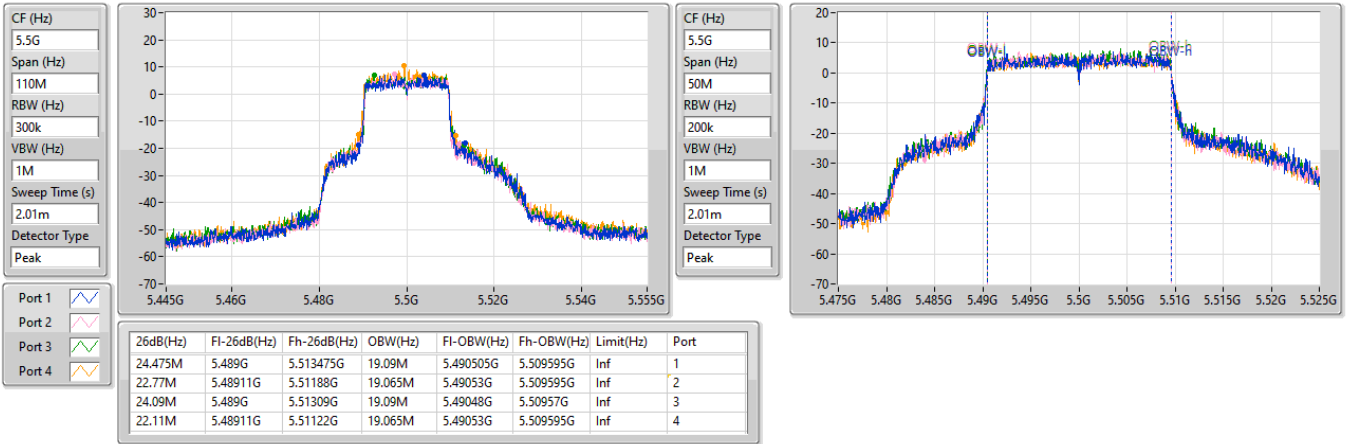


5.47-5.725GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

26/09/2024

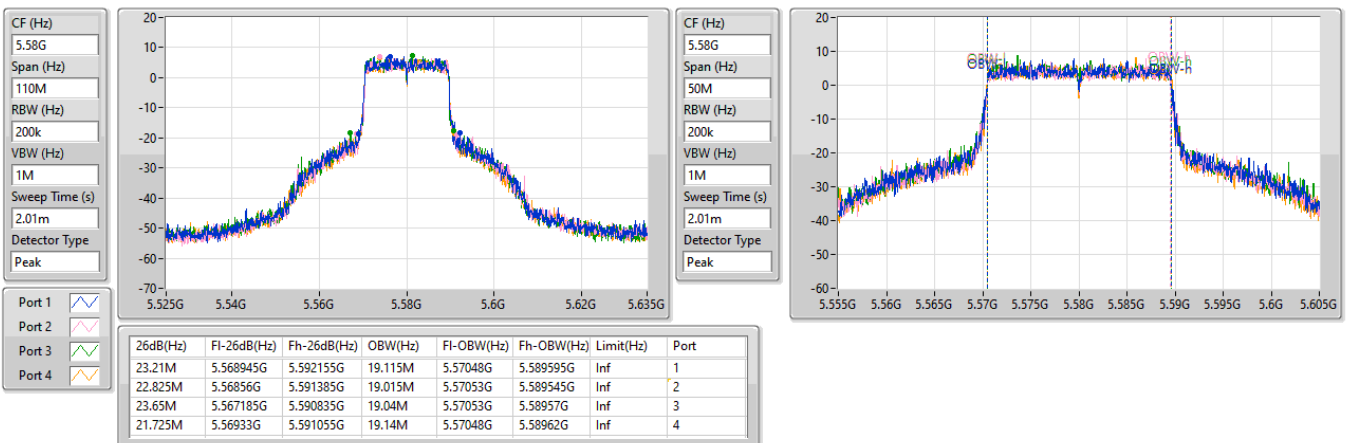


5.47-5.725GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

26/09/2024

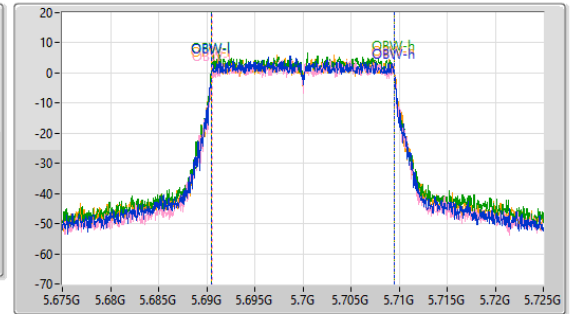
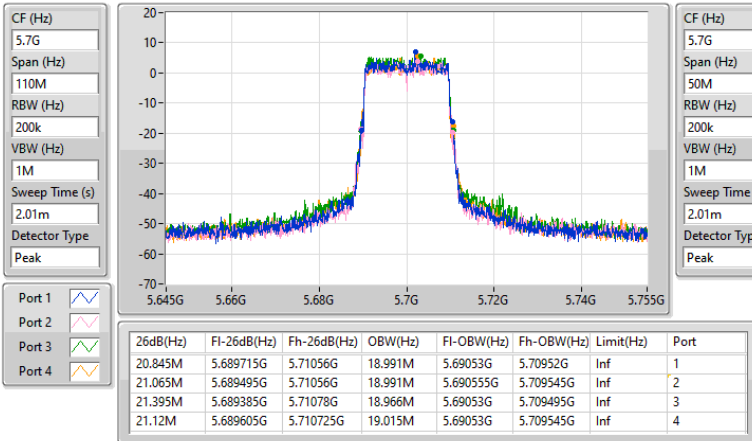


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

26/09/2024

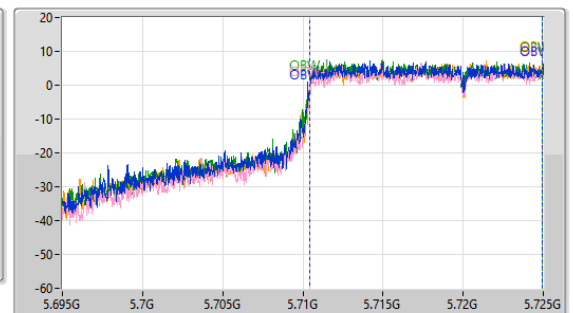
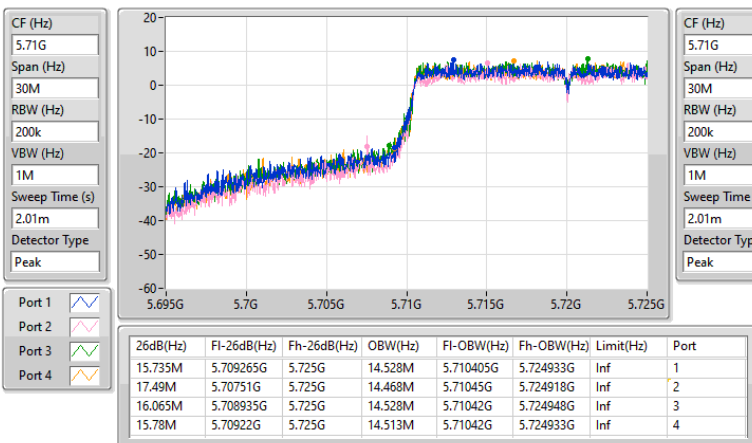


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

26/09/2024

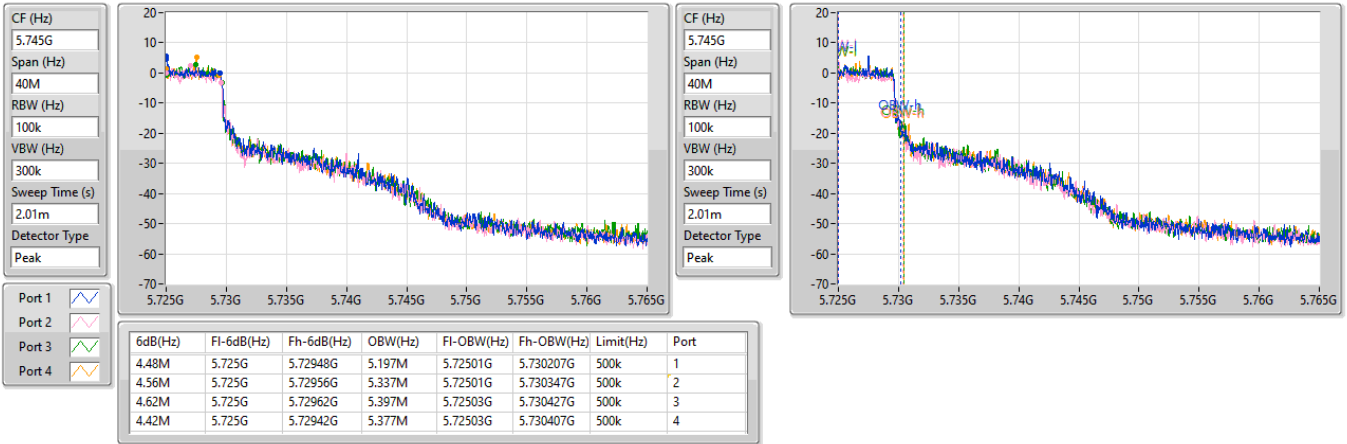


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

26/09/2024

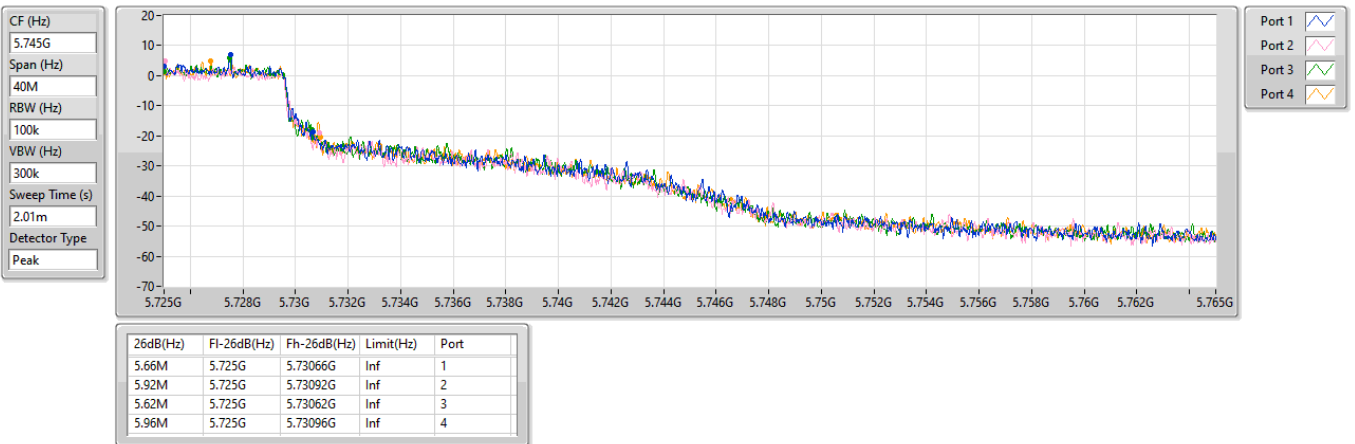


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

26/09/2024

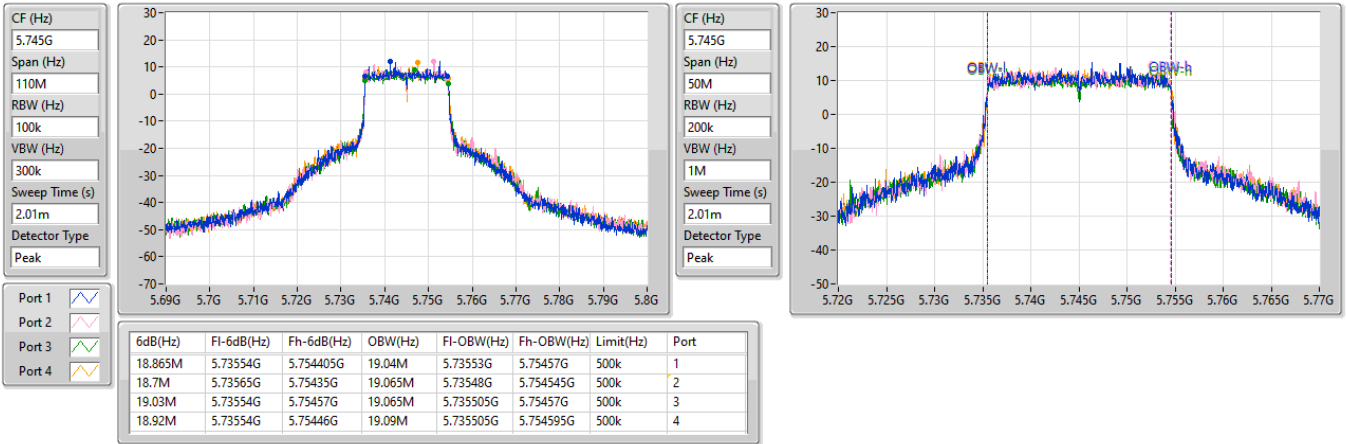


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5745MHz

26/09/2024



5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5745MHz

26/09/2024

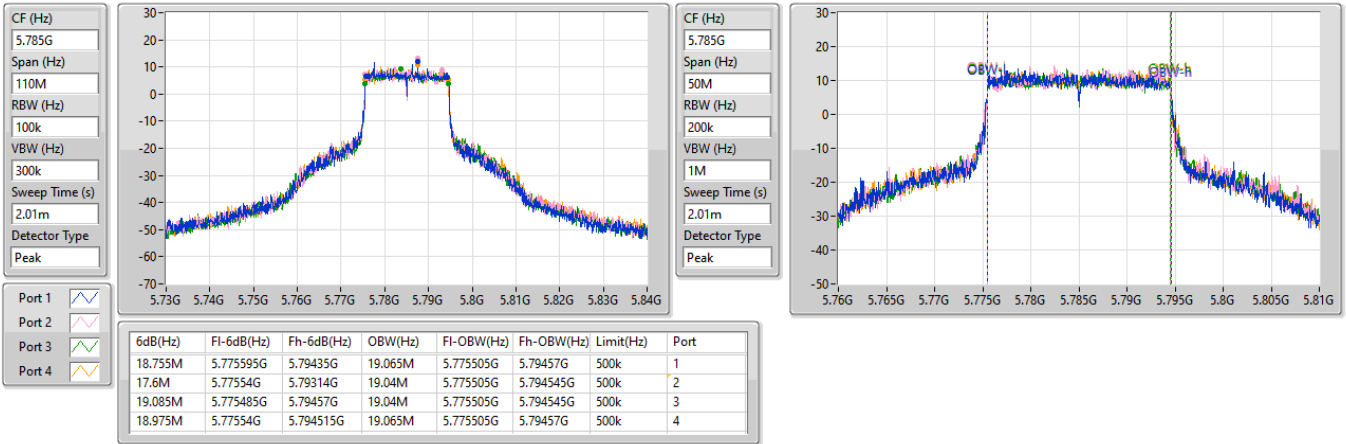


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5785MHz

26/09/2024

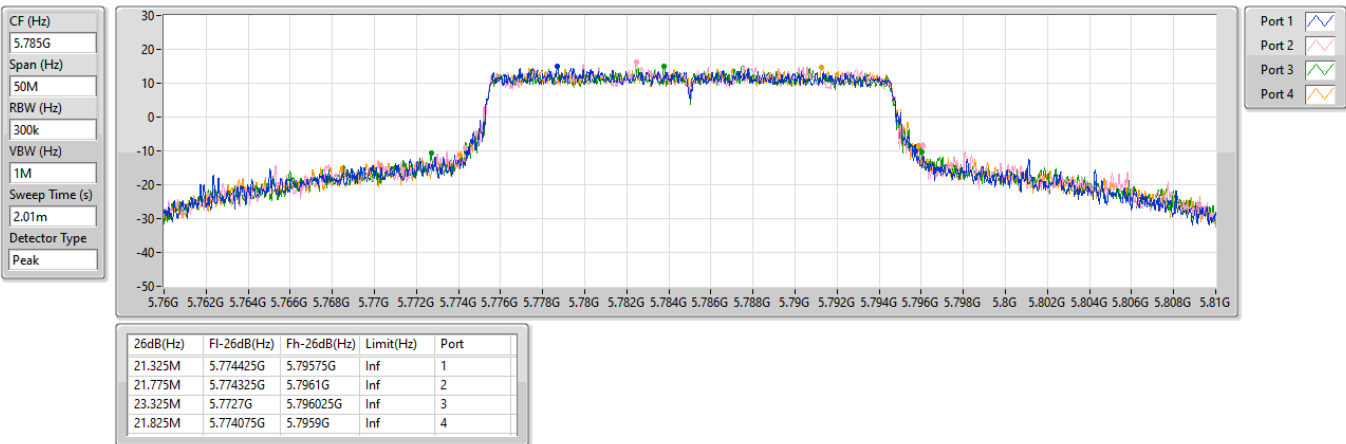


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5785MHz

26/09/2024

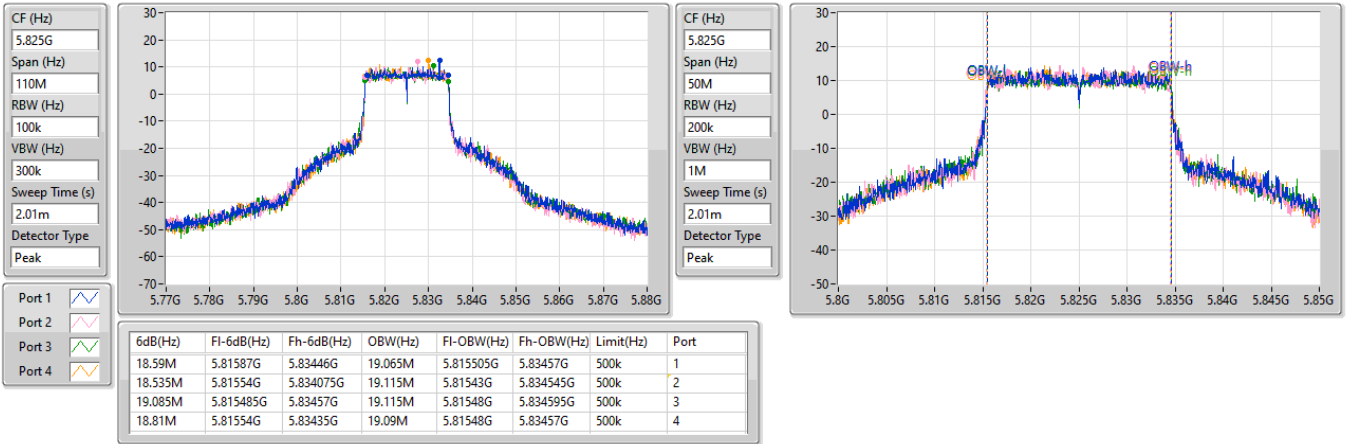


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5825MHz

26/09/2024

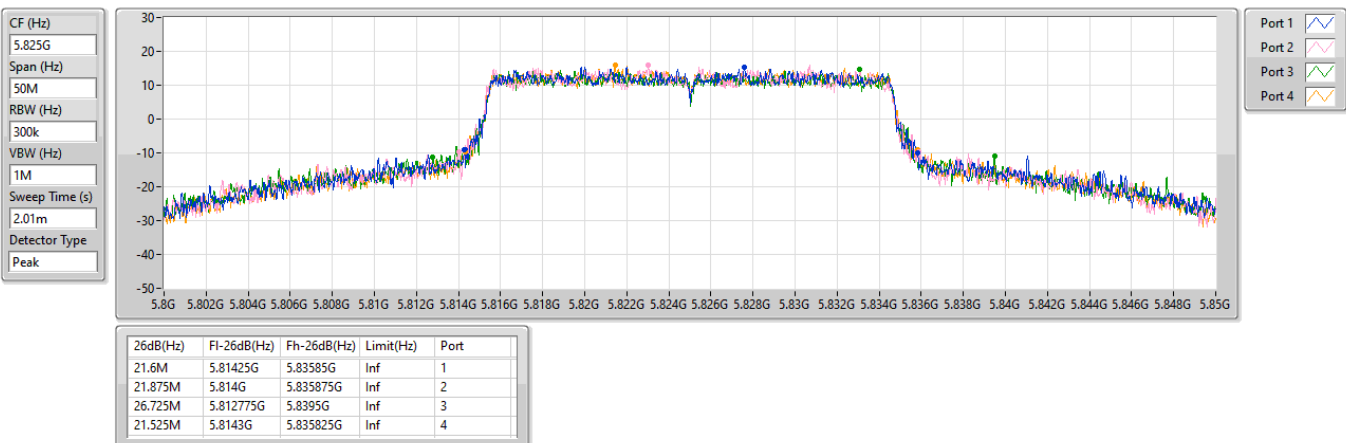


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5825MHz

26/09/2024

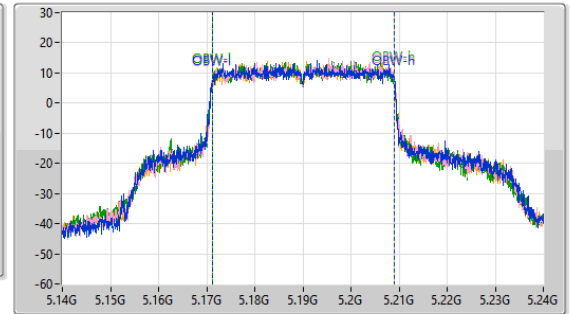
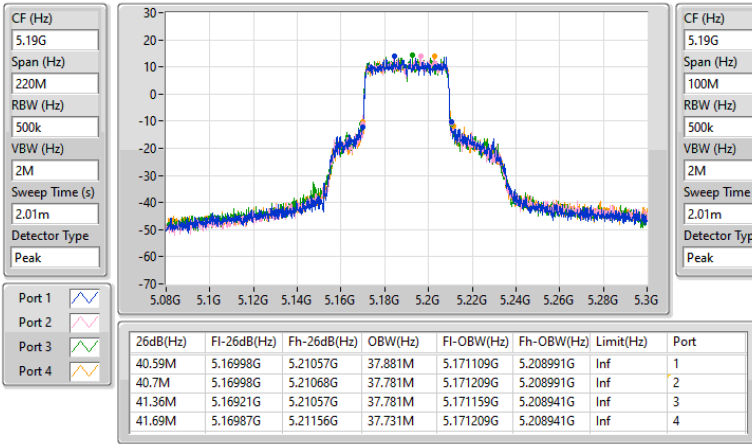


5.15-5.25GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5190MHz

26/09/2024

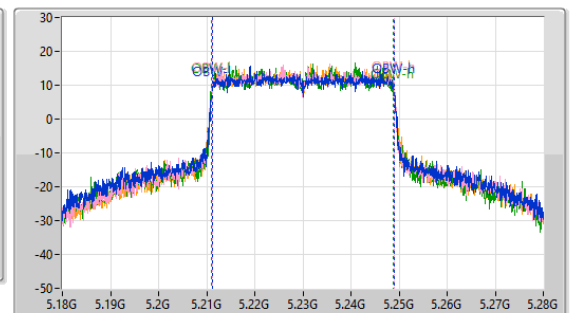
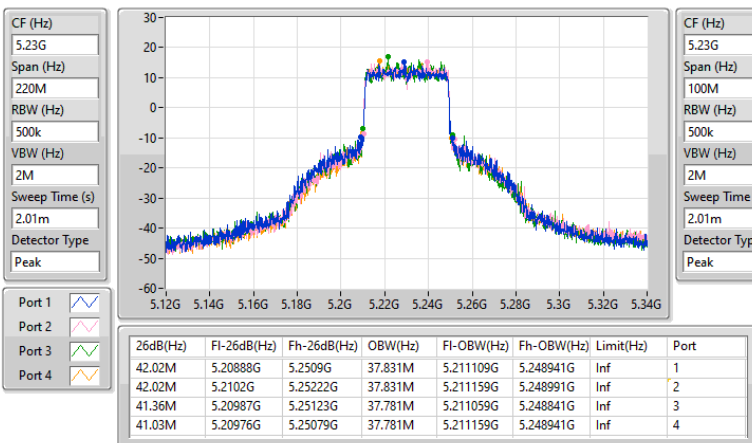


5.15-5.25GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5230MHz

26/09/2024

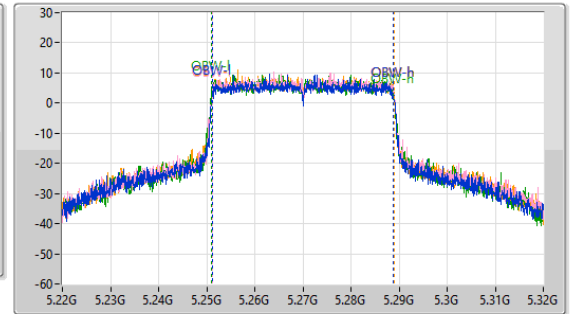
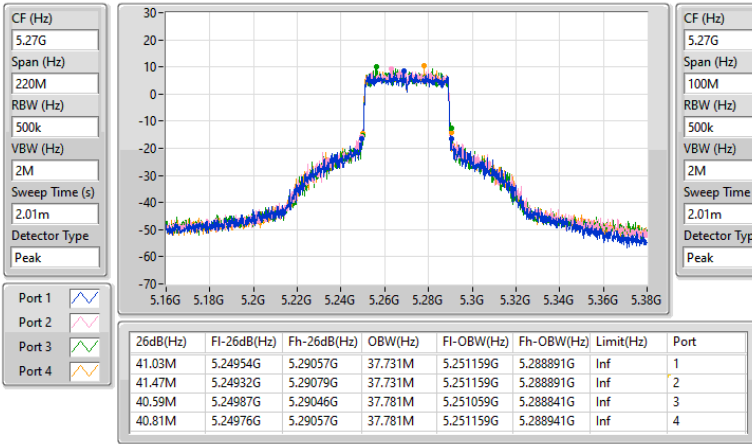


5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

26/09/2024

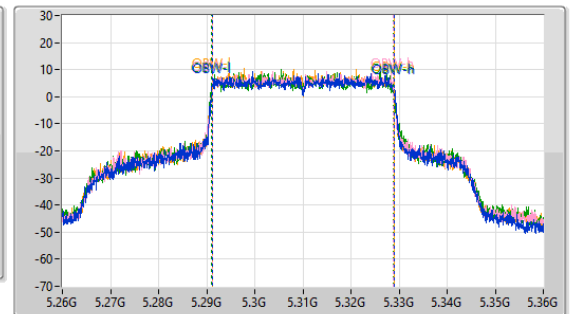
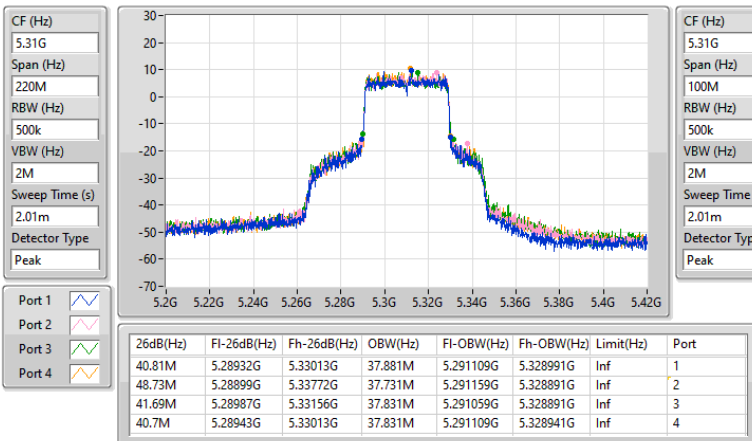


5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

26/09/2024

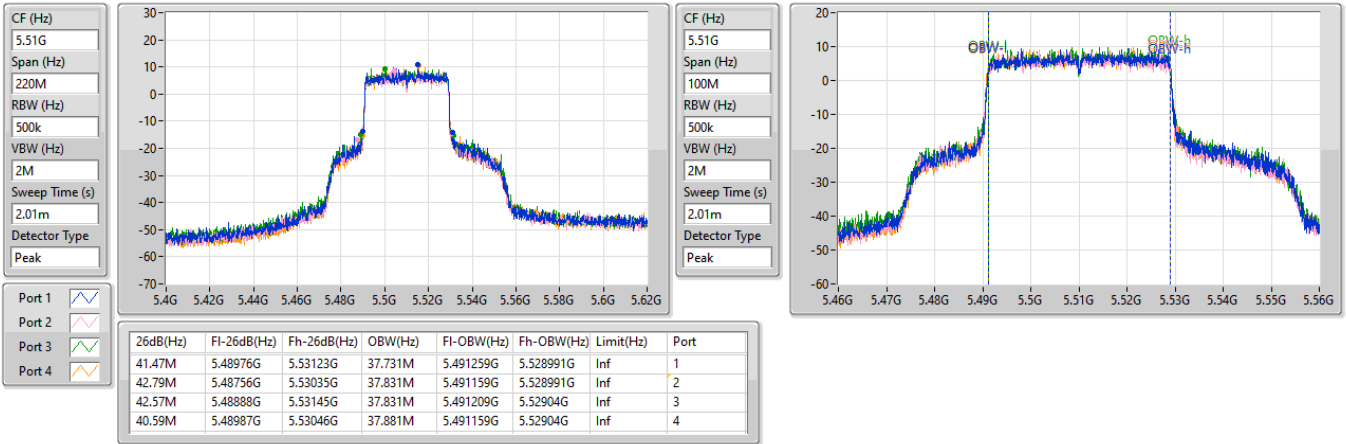


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

26/09/2024

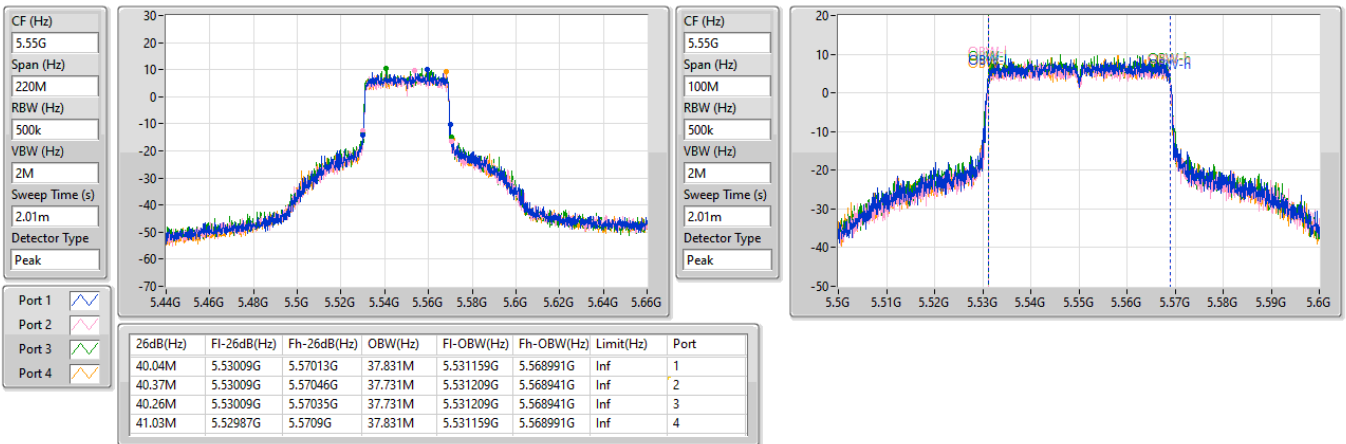


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

26/09/2024

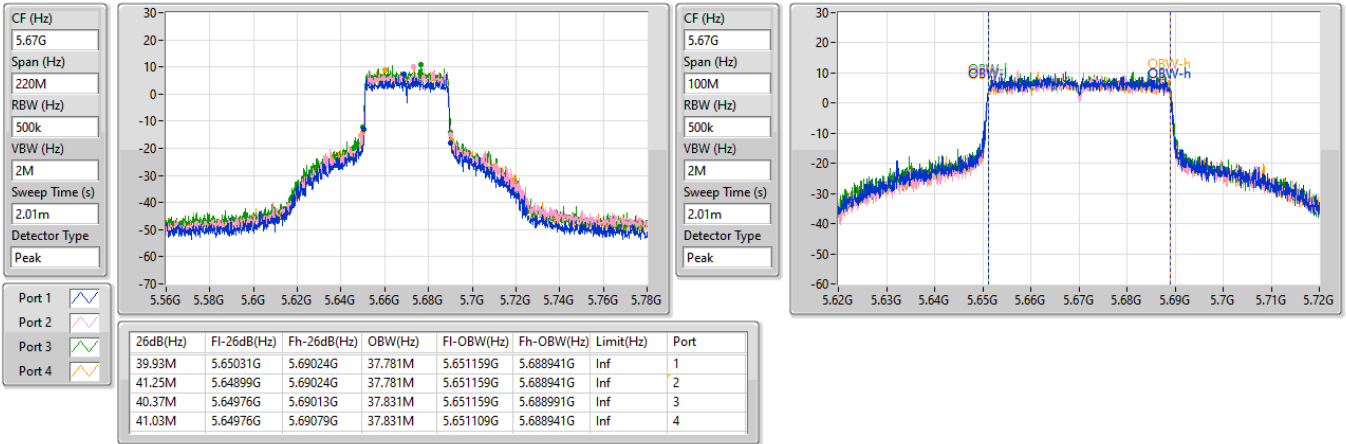


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

26/09/2024

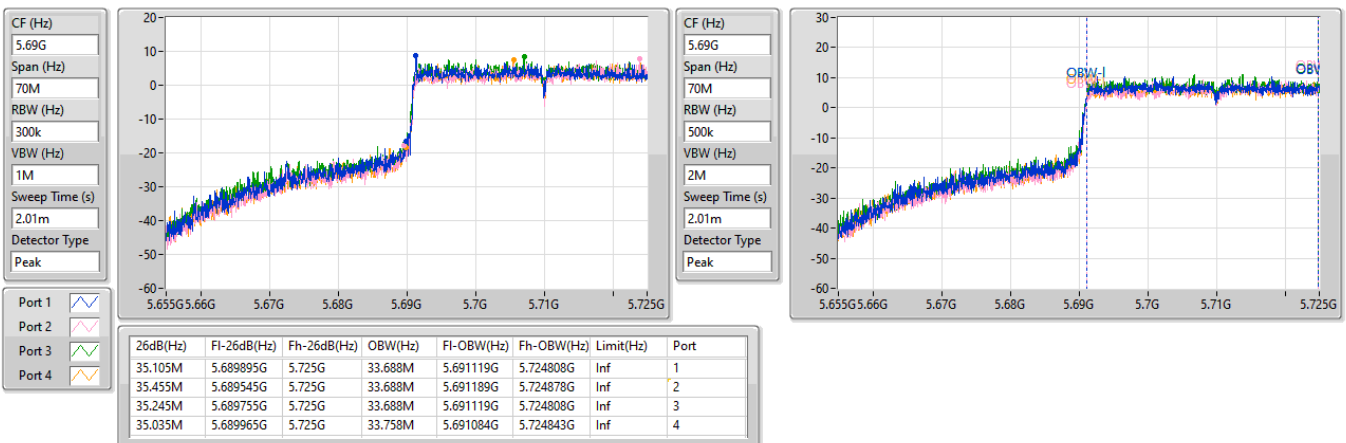


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

26/09/2024

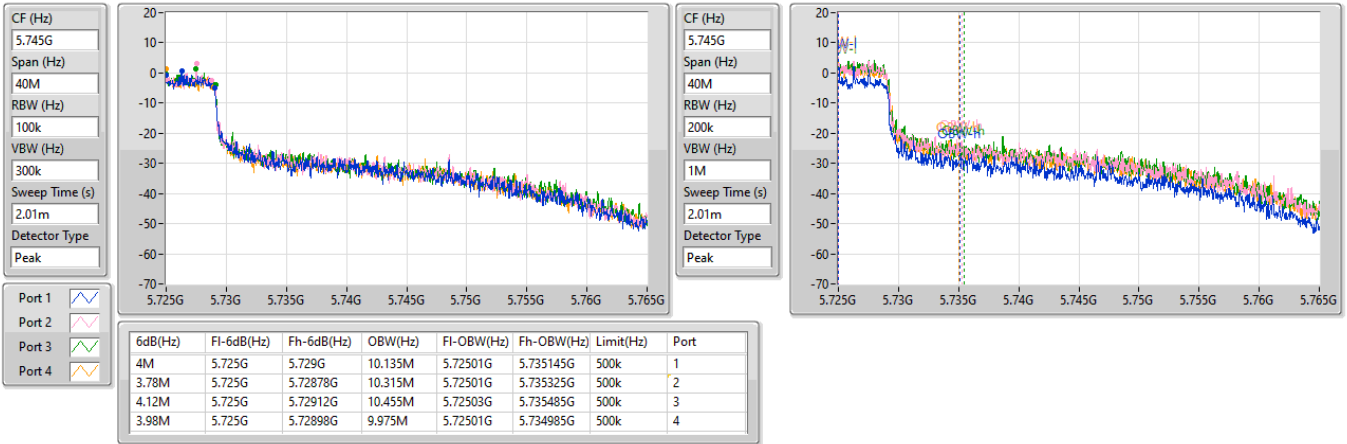


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

26/09/2024

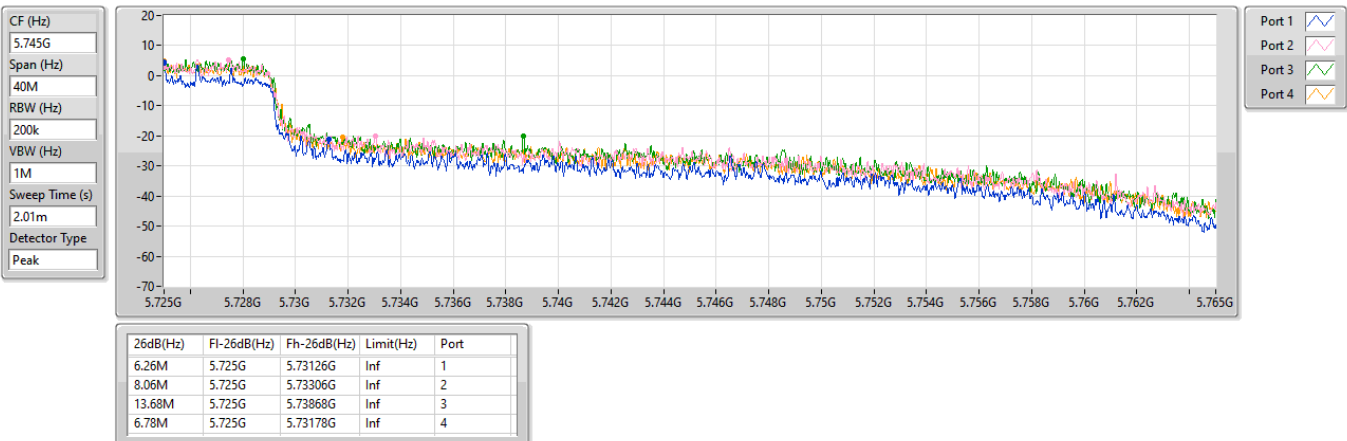


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

26/09/2024

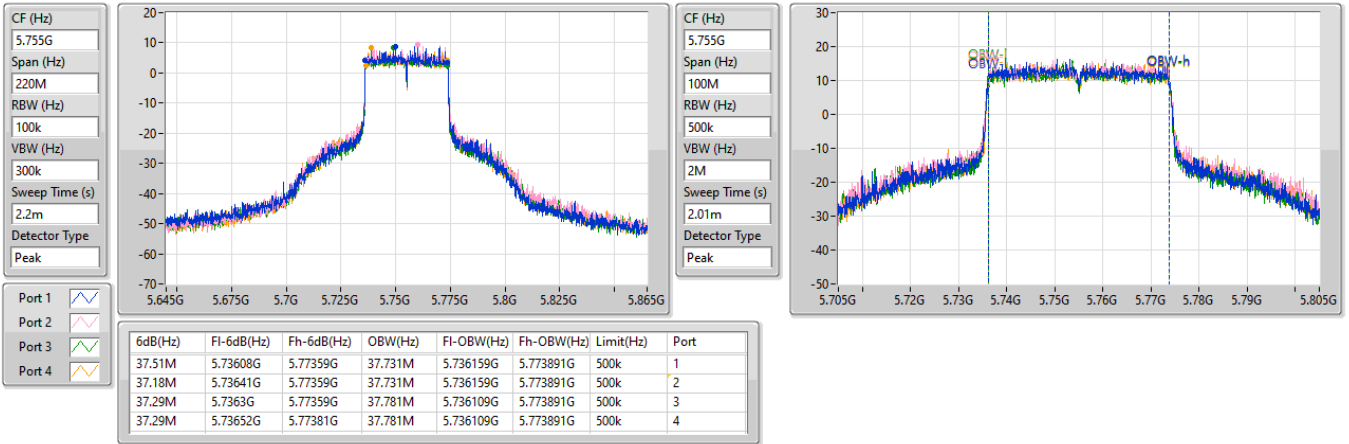


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5755MHz

26/09/2024

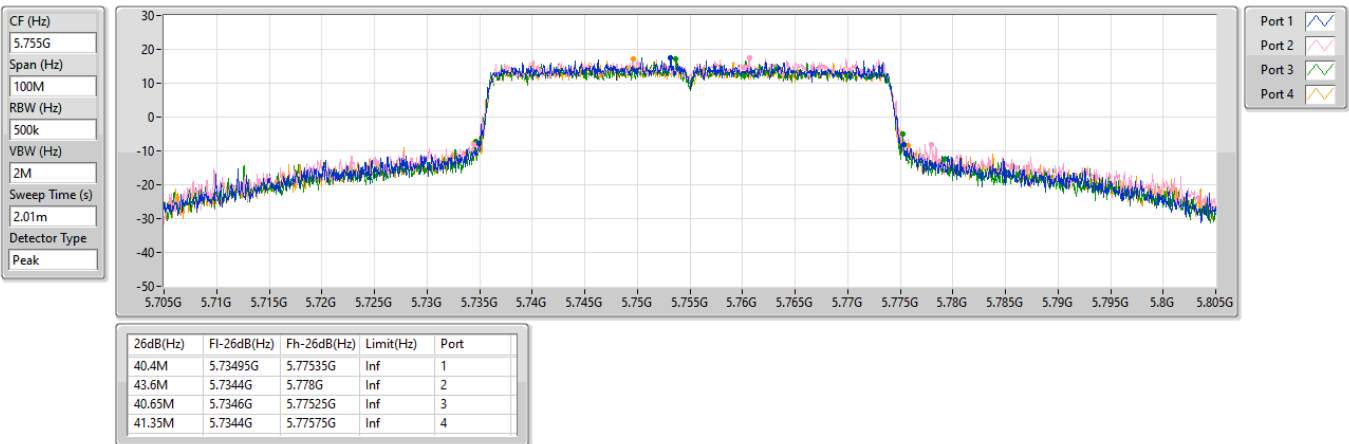


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5755MHz

26/09/2024

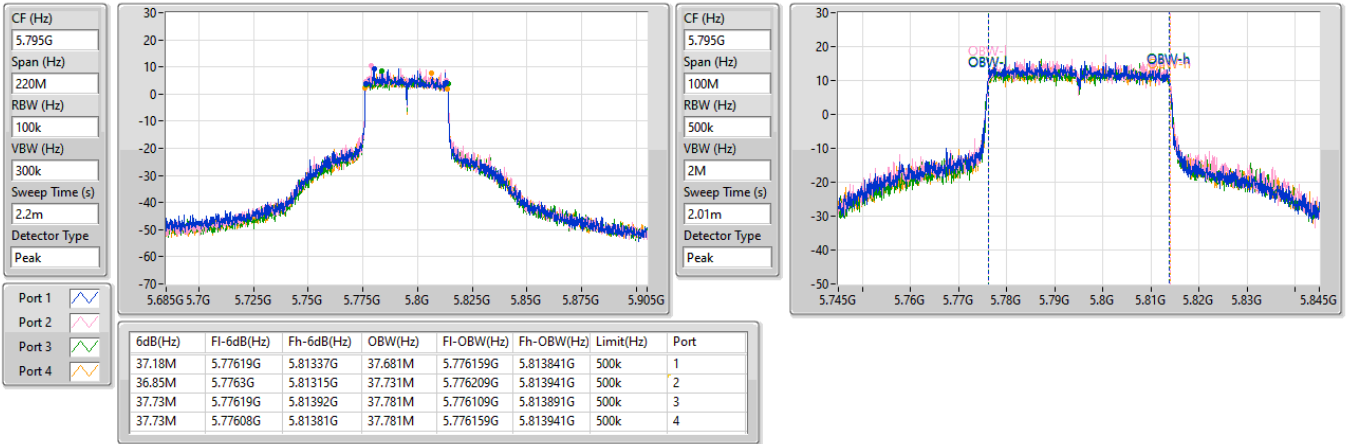


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5795MHz

26/09/2024

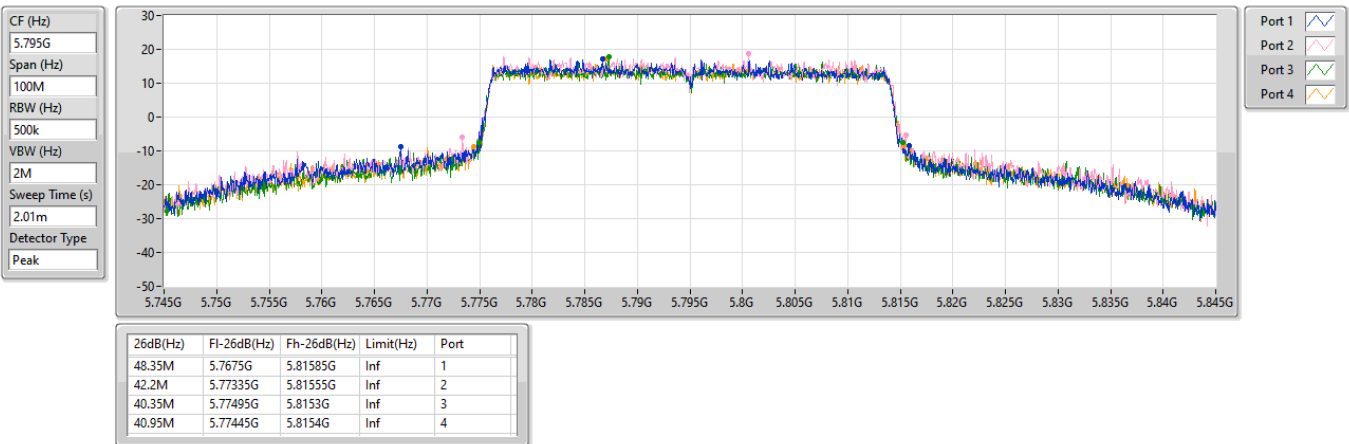


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5795MHz

26/09/2024

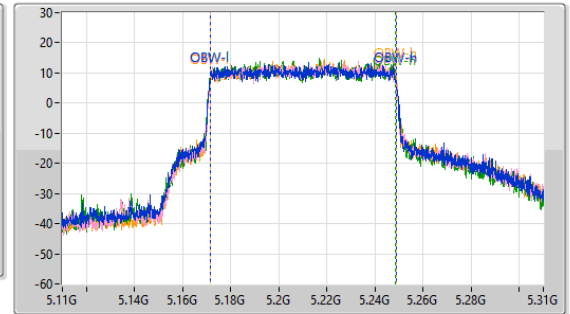
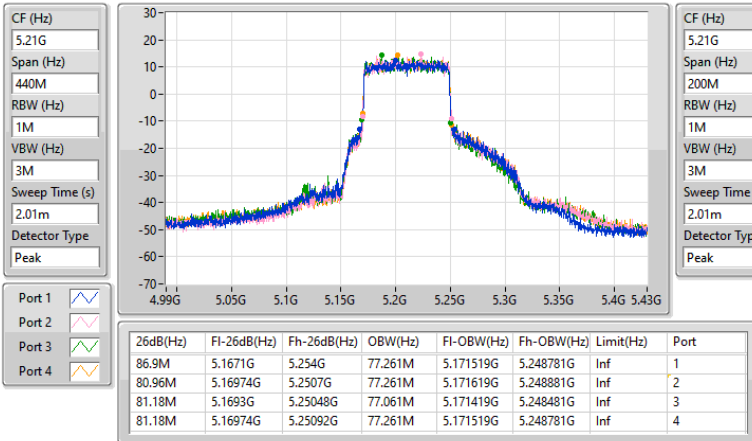


5.15-5.25GHz_802.11ax_HEW80-BF_Nss1,(MCS0)_4TX

EBW

5210MHz

26/09/2024

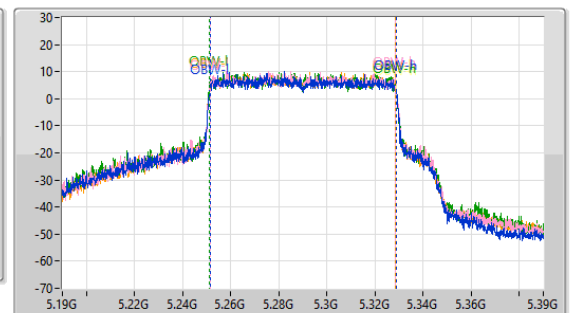
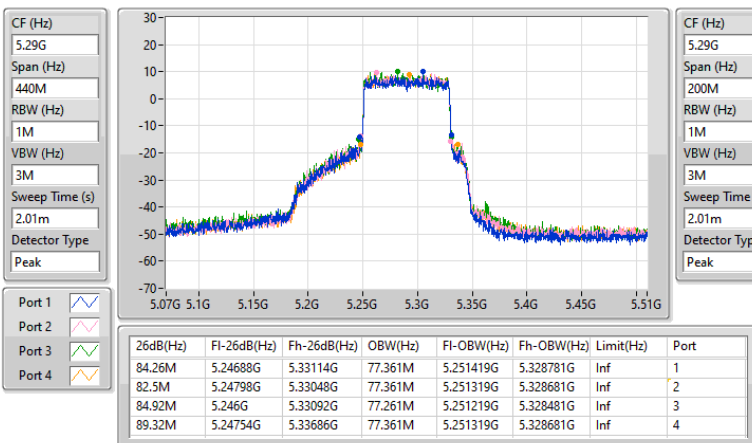


5.25-5.35GHz_802.11ax_HEW80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

26/09/2024

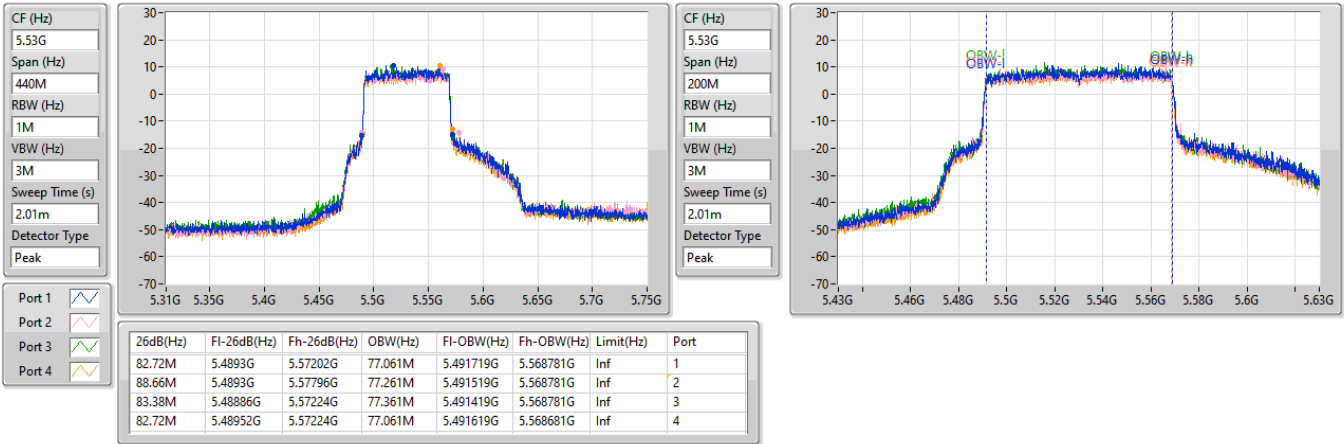


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

26/09/2024

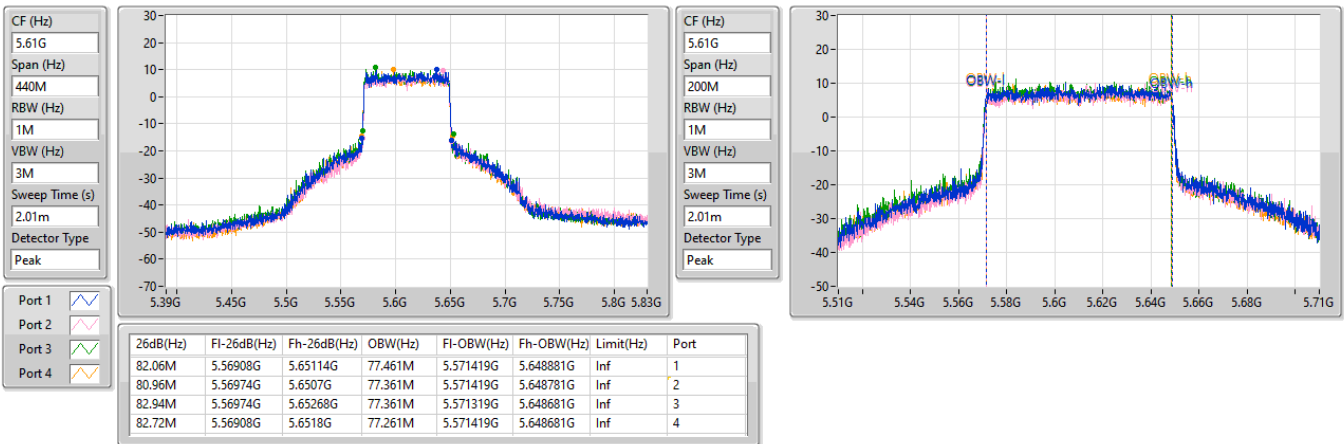


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

26/09/2024

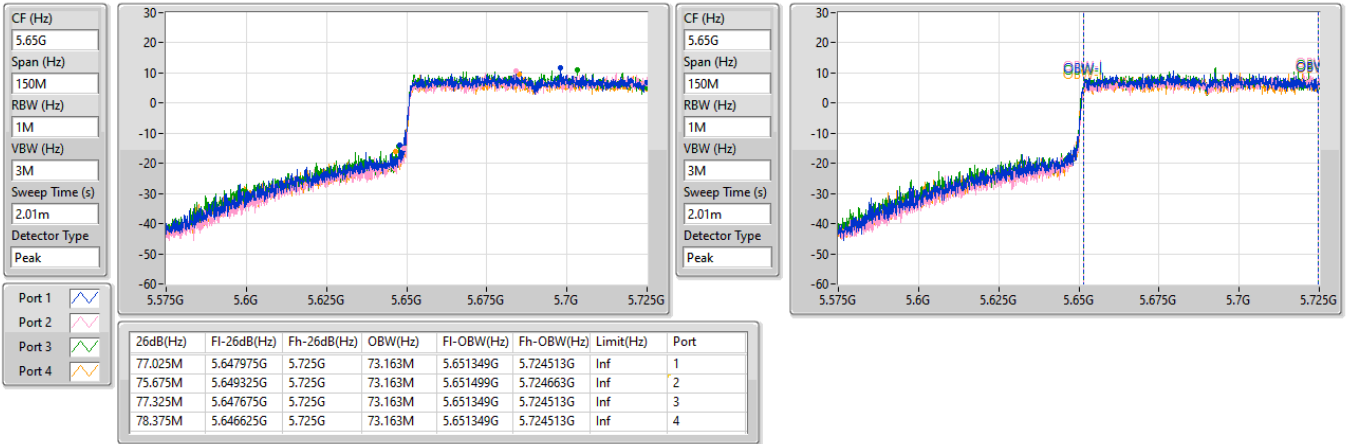


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

26/09/2024

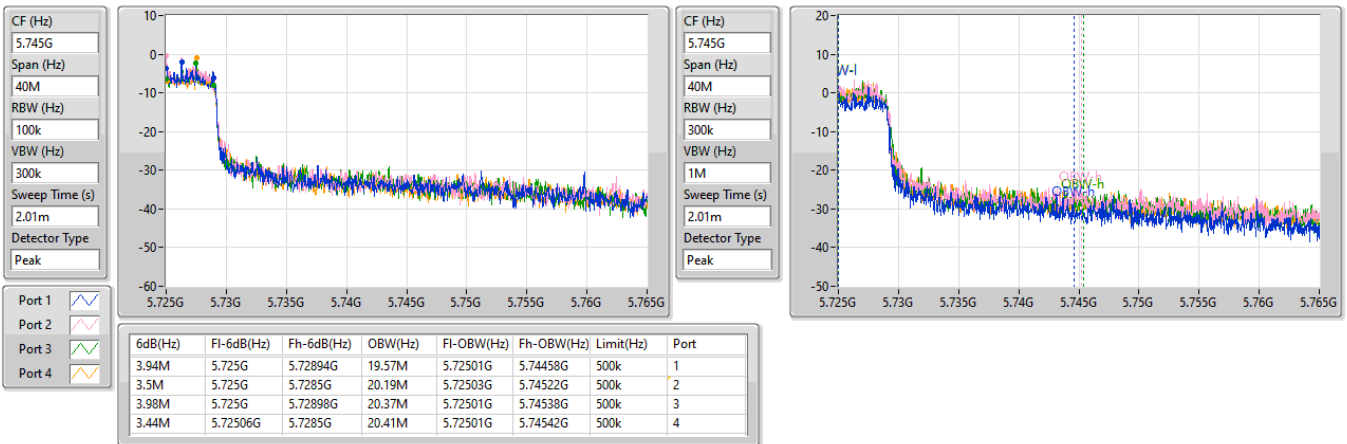


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

26/09/2024

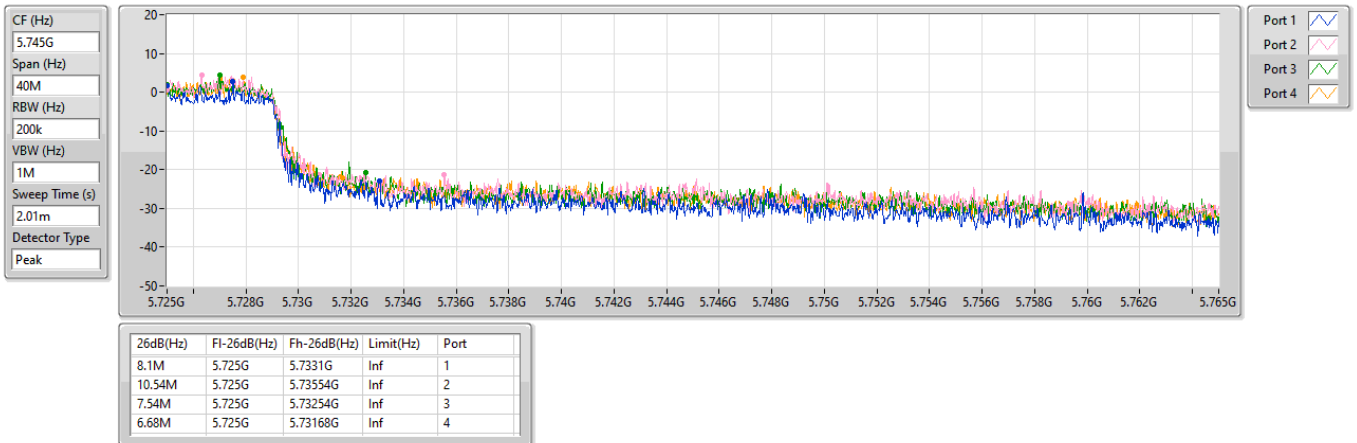


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

26/09/2024

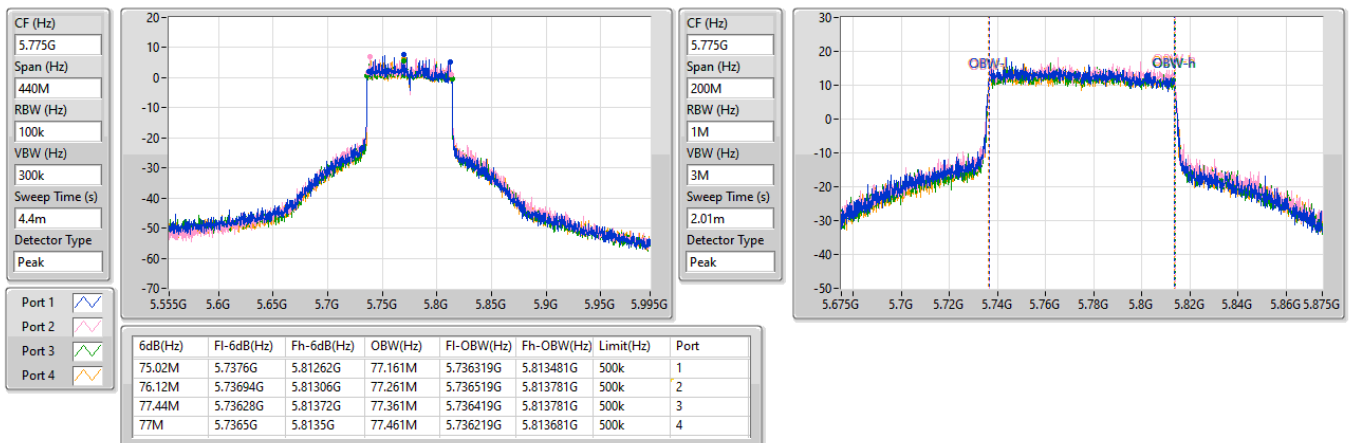


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

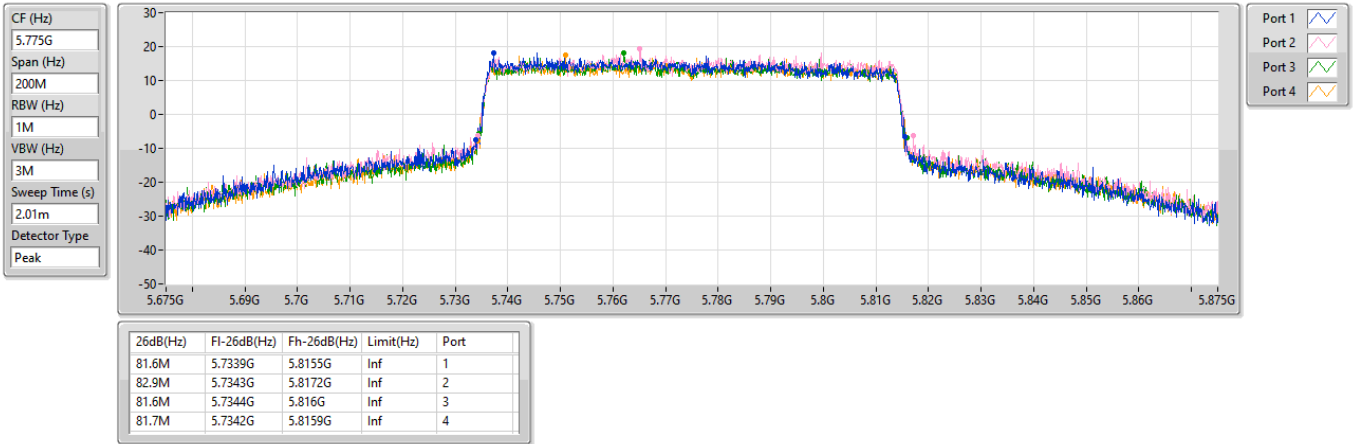
5775MHz

26/09/2024

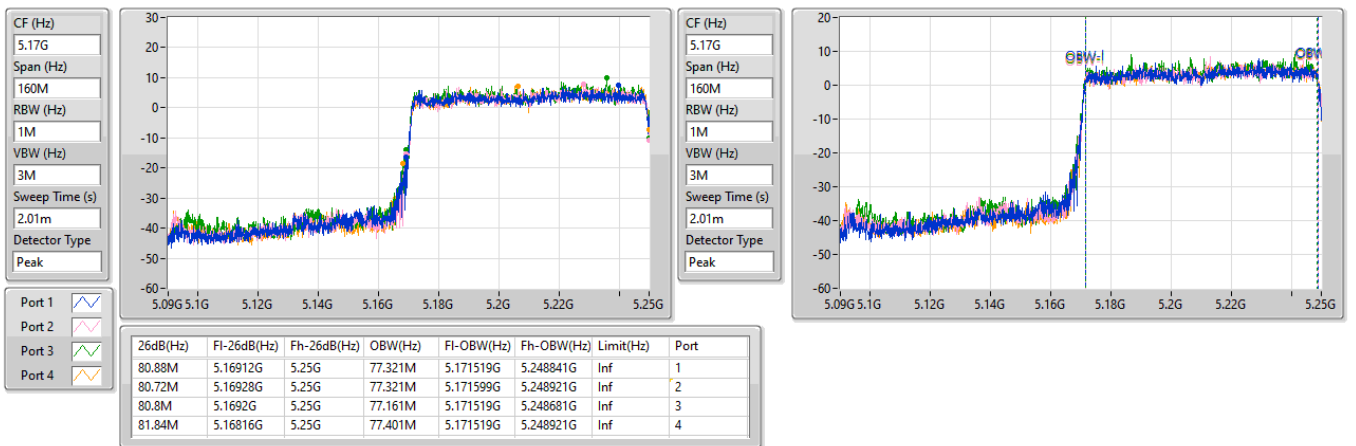


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5775MHz

26/09/2024


5.15-5.25GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

26/09/2024

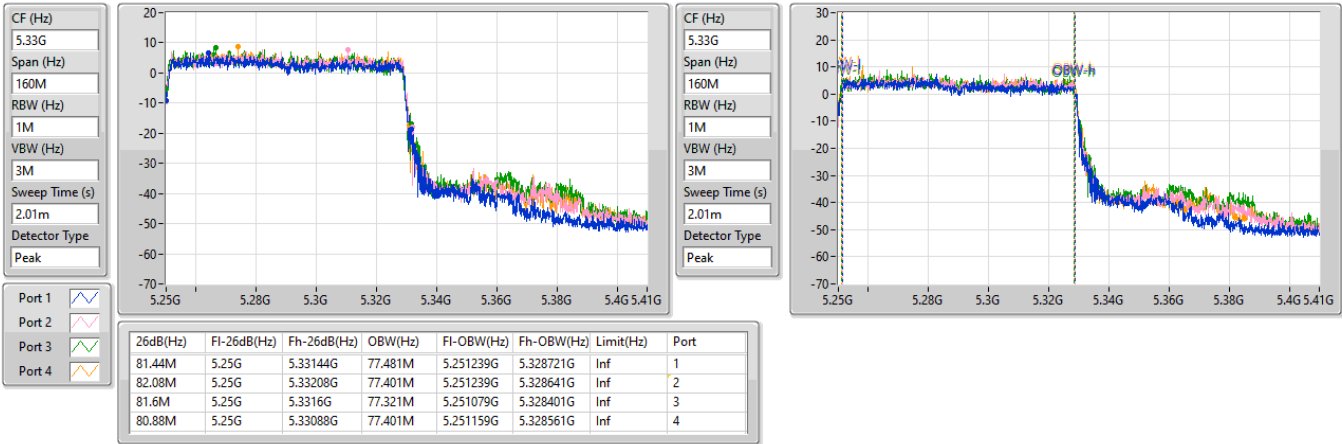


5.25-5.35GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

26/09/2024

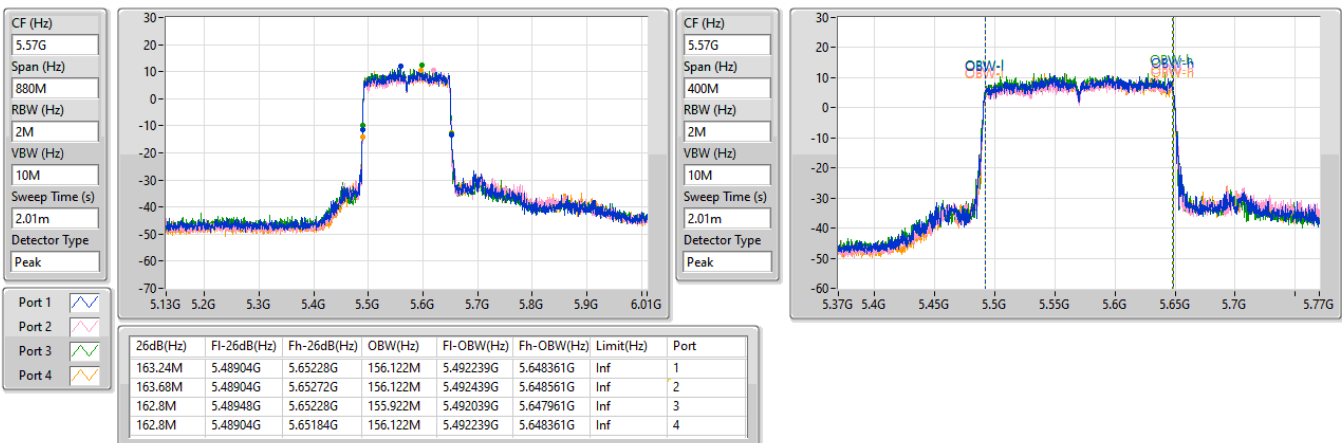


5.47-5.725GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

26/09/2024



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.87	0.97051
802.11ax HEW20_Nss1,(MCS0)_4TX	29.85	0.96605
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.84	0.96383
802.11ax HEW40_Nss1,(MCS0)_4TX	28.36	0.68549
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.86	0.96828
802.11ax HEW80_Nss1,(MCS0)_4TX	22.72	0.18707
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	27.75	0.59566
802.11ax HEW160_Nss1,(MCS0)_4TX	18.29	0.06745
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	21.19	0.13152
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.89	0.24491
802.11ax HEW20_Nss1,(MCS0)_4TX	23.84	0.24210
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.82	0.24099
802.11ax HEW40_Nss1,(MCS0)_4TX	23.88	0.24434
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.92	0.24660
802.11ax HEW80_Nss1,(MCS0)_4TX	23.25	0.21135
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.81	0.24044
802.11ax HEW160_Nss1,(MCS0)_4TX	18.43	0.06966
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	21.20	0.13183
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.83	0.24155
802.11ax HEW20_Nss1,(MCS0)_4TX	23.87	0.24378
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.84	0.24210
802.11ax HEW40_Nss1,(MCS0)_4TX	23.86	0.24322
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.88	0.24434
802.11ax HEW80_Nss1,(MCS0)_4TX	23.84	0.24210
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.88	0.24434
802.11ax HEW160_Nss1,(MCS0)_4TX	22.16	0.16444
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	23.88	0.24434
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.94	0.98628
802.11ax HEW20_Nss1,(MCS0)_4TX	29.96	0.99083
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.97	0.99312
802.11ax HEW40_Nss1,(MCS0)_4TX	29.92	0.98175
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.85	0.96605
802.11ax HEW80_Nss1,(MCS0)_4TX	29.87	0.97051
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	29.83	0.96161

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.28	20.17	20.29	20.88	20.83	26.57	30.00
5200MHz	Pass	3.28	23.57	23.71	24.04	24.07	29.87	30.00
5240MHz	Pass	3.28	23.36	23.67	23.86	24.05	29.76	30.00
5260MHz	Pass	3.24	17.85	17.71	17.89	18.03	23.89	23.98
5300MHz	Pass	3.24	17.53	17.79	17.68	17.97	23.77	23.98
5320MHz	Pass	3.24	17.61	17.77	17.64	17.92	23.76	23.98
5500MHz	Pass	3.98	17.94	17.37	18.11	17.32	23.72	23.98
5580MHz	Pass	3.98	18.02	17.34	18.19	17.26	23.74	23.98
5700MHz	Pass	3.98	17.63	17.98	17.95	17.66	23.83	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.98	16.52	16.84	17.29	16.87	22.91	22.97
5720MHz Straddle 5.725-5.85GHz	Pass	4.21	10.34	10.85	9.96	10.60	16.47	30.00
5745MHz	Pass	4.21	23.73	24.16	23.81	23.72	29.88	30.00
5785MHz	Pass	4.21	23.91	24.12	23.75	23.89	29.94	30.00
5825MHz	Pass	4.21	23.67	24.16	23.95	23.85	29.93	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.28	19.27	19.61	19.98	20.11	25.78	30.00
5200MHz	Pass	3.28	23.24	23.86	23.95	23.98	29.79	30.00
5240MHz	Pass	3.28	23.41	23.65	23.97	24.23	29.85	30.00
5260MHz	Pass	3.24	17.64	17.61	17.76	18.17	23.82	23.98
5300MHz	Pass	3.24	17.55	17.86	17.82	18.05	23.84	23.98
5320MHz	Pass	3.24	17.56	17.87	17.72	17.96	23.80	23.98
5500MHz	Pass	3.98	17.97	17.75	18.23	17.41	23.87	23.98
5580MHz	Pass	3.98	18.01	17.42	18.18	17.33	23.77	23.98
5700MHz	Pass	3.98	17.72	18.02	17.95	17.57	23.84	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.98	16.80	17.07	16.95	16.95	22.96	23.07
5720MHz Straddle 5.725-5.85GHz	Pass	4.21	11.56	11.84	12.00	11.72	17.80	30.00
5745MHz	Pass	4.21	23.97	24.29	23.56	23.81	29.94	30.00
5785MHz	Pass	4.21	23.61	24.15	23.48	23.79	29.79	30.00
5825MHz	Pass	4.21	23.82	24.21	23.84	23.86	29.96	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.28	17.14	17.56	17.87	17.91	23.65	30.00
5230MHz	Pass	3.28	21.94	22.27	22.59	22.53	28.36	30.00
5270MHz	Pass	3.24	17.67	17.79	17.91	18.04	23.88	23.98
5310MHz	Pass	3.24	16.46	16.88	17.17	17.09	22.93	23.98
5510MHz	Pass	3.98	17.74	17.93	18.02	17.66	23.86	23.98
5550MHz	Pass	3.98	17.62	17.84	17.78	17.57	23.72	23.98
5670MHz	Pass	3.98	17.53	17.96	17.88	17.86	23.83	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.98	17.33	17.70	17.95	17.84	23.73	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.21	7.67	8.05	8.76	8.20	14.21	30.00
5755MHz	Pass	4.21	23.51	23.91	24.29	23.87	29.92	30.00
5795MHz	Pass	4.21	23.43	24.06	24.23	23.64	29.87	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.28	16.32	16.55	16.97	16.93	22.72	30.00
5290MHz	Pass	3.24	16.83	17.06	17.43	17.56	23.25	23.98
5530MHz	Pass	3.98	17.62	18.04	17.97	17.61	23.84	23.98
5610MHz	Pass	3.98	17.98	17.45	18.06	17.70	23.82	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.98	17.70	17.35	17.98	17.62	23.69	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.21	4.51	4.19	5.75	4.54	10.81	30.00
5775MHz	Pass	4.21	23.59	23.91	24.21	23.68	29.87	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.28	11.86	12.01	12.13	12.99	18.29	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.24	12.02	12.19	12.70	12.69	18.43	23.98
5570MHz	Pass	3.98	16.19	15.59	16.90	15.75	22.16	23.98
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
5180MHz	Pass	4.45	23.38	23.03	24.76	23.83	29.82	30.00
5200MHz	Pass	4.45	23.24	23.36	24.38	23.88	29.76	30.00
5240MHz	Pass	4.45	23.19	23.75	24.26	24.00	29.84	30.00
5260MHz	Pass	4.07	17.52	17.66	18.15	17.84	23.82	23.98
5300MHz	Pass	4.07	17.35	17.57	18.13	17.84	23.75	23.98
5320MHz	Pass	4.07	17.48	17.84	17.78	17.97	23.79	23.98
5500MHz	Pass	4.11	17.72	17.67	18.00	17.58	23.77	23.98
5580MHz	Pass	4.11	17.99	17.67	18.05	17.55	23.84	23.98
5700MHz	Pass	4.11	15.75	15.06	16.95	15.58	21.91	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.11	17.13	15.94	17.30	16.81	22.85	22.97
5720MHz Straddle 5.725-5.85GHz	Pass	4.43	11.78	11.00	12.02	11.73	17.67	30.00
5745MHz	Pass	4.43	24.13	24.06	23.71	23.87	29.97	30.00
5785MHz	Pass	4.43	23.83	24.09	23.77	23.87	29.91	30.00
5825MHz	Pass	4.43	23.82	24.00	23.41	23.80	29.78	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.45	22.08	22.30	22.18	22.15	28.20	30.00
5230MHz	Pass	4.45	23.45	23.88	23.87	24.14	29.86	30.00
5270MHz	Pass	4.07	17.23	18.00	17.87	17.98	23.80	23.98
5310MHz	Pass	4.07	17.25	18.15	17.92	18.22	23.92	23.98
5510MHz	Pass	4.11	17.96	17.44	18.25	17.73	23.88	23.98
5550MHz	Pass	4.11	18.03	17.28	18.22	17.63	23.83	23.98
5670MHz	Pass	4.11	18.10	17.44	18.23	17.55	23.86	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.11	18.01	17.43	18.38	17.37	23.84	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.43	8.18	8.42	8.86	8.08	14.42	30.00
5755MHz	Pass	4.43	23.96	24.42	23.25	23.27	29.77	30.00
5795MHz	Pass	4.43	23.86	24.57	23.40	23.36	29.85	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.45	21.46	21.76	21.76	21.94	27.75	30.00
5290MHz	Pass	4.07	17.27	17.87	18.07	17.89	23.81	23.98
5530MHz	Pass	4.11	18.28	17.52	18.21	17.36	23.88	23.98
5610MHz	Pass	4.11	18.20	17.50	18.32	17.25	23.86	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.11	18.19	17.43	18.22	17.20	23.80	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.43	4.63	5.16	4.70	4.21	10.71	30.00
5775MHz	Pass	4.43	23.82	24.48	23.52	23.32	29.83	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	4.45	14.89	14.93	15.66	15.17	21.19	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.07	14.54	15.21	15.38	15.52	21.20	23.98
5570MHz	Pass	4.11	18.08	17.14	18.60	17.49	23.88	23.98

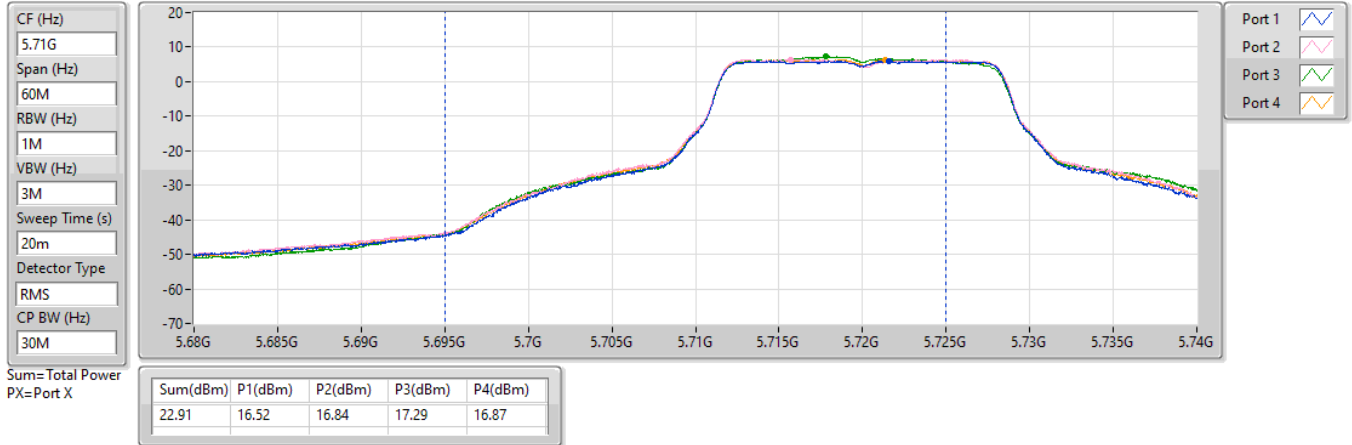
DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

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

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

20/09/2024

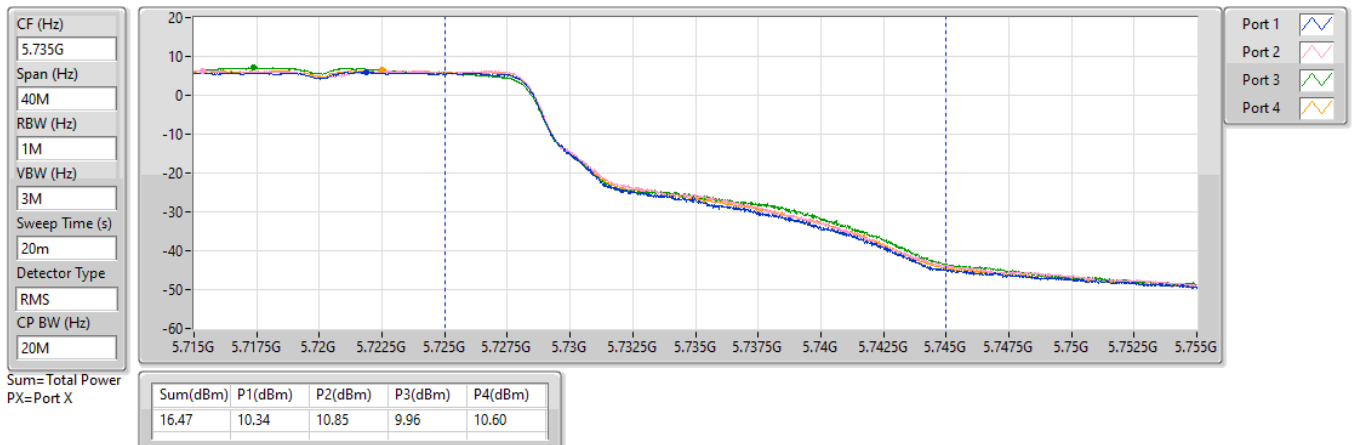


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

20/09/2024

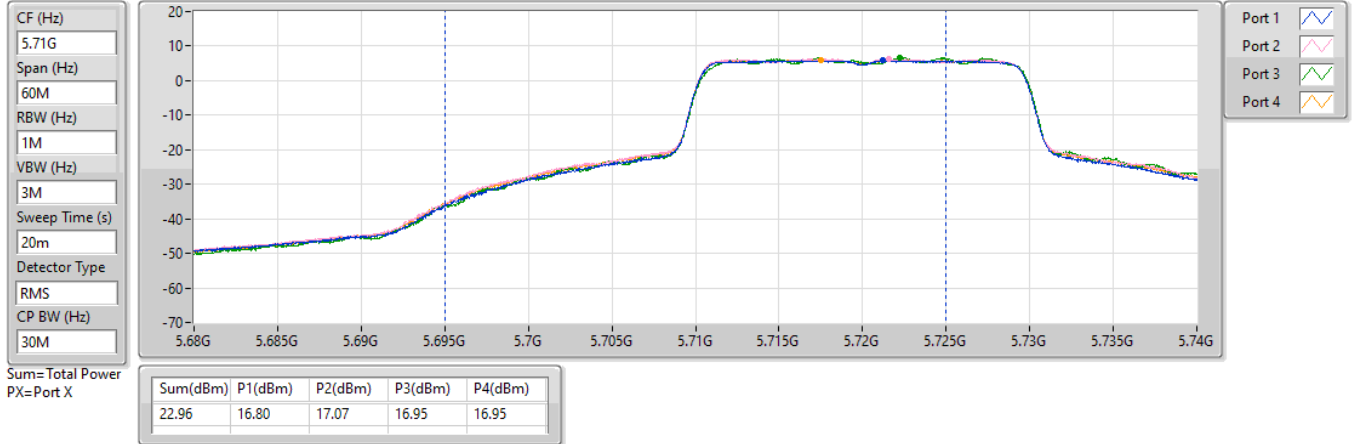


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

20/09/2024

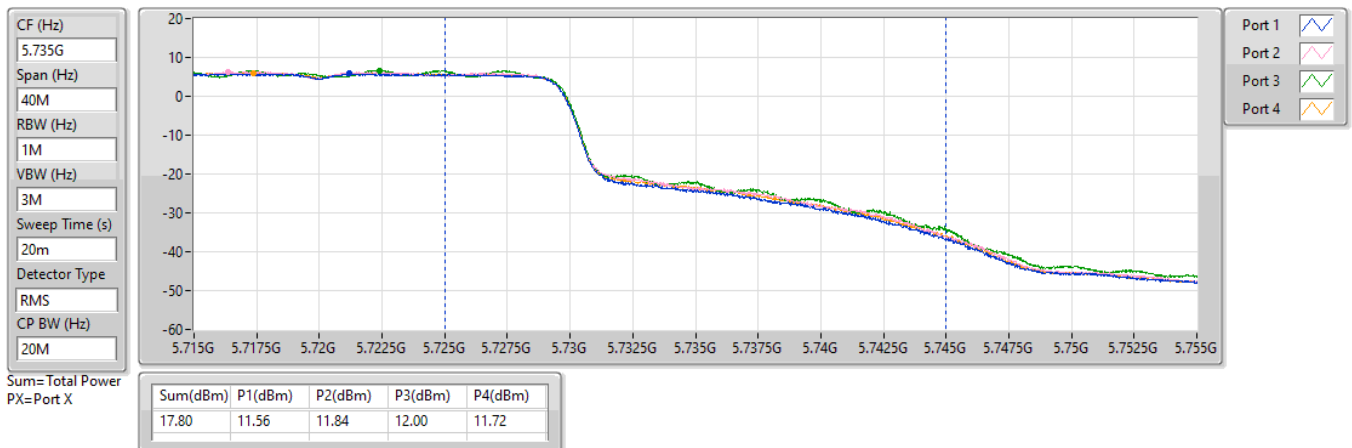


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

20/09/2024

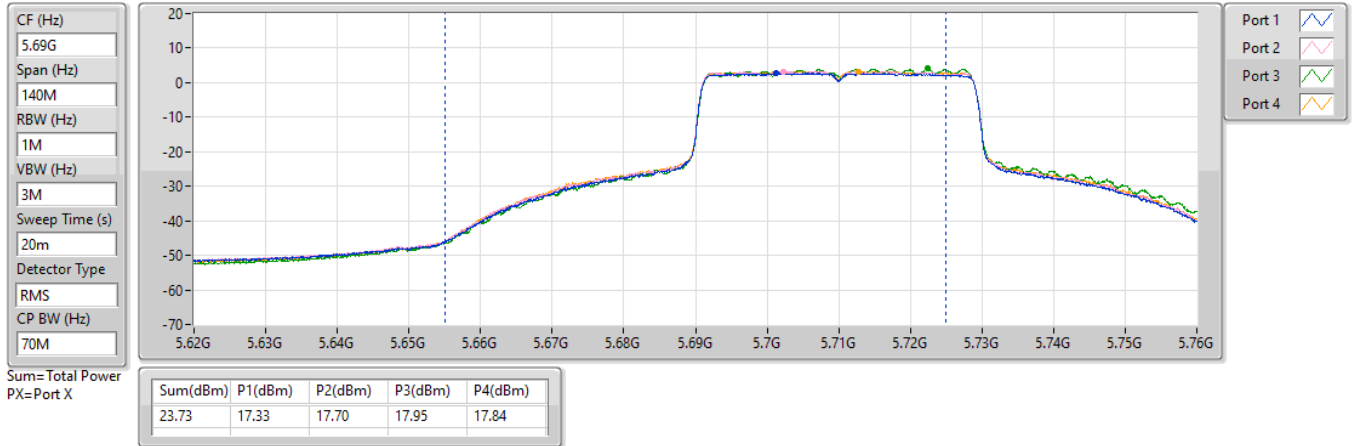


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

20/09/2024

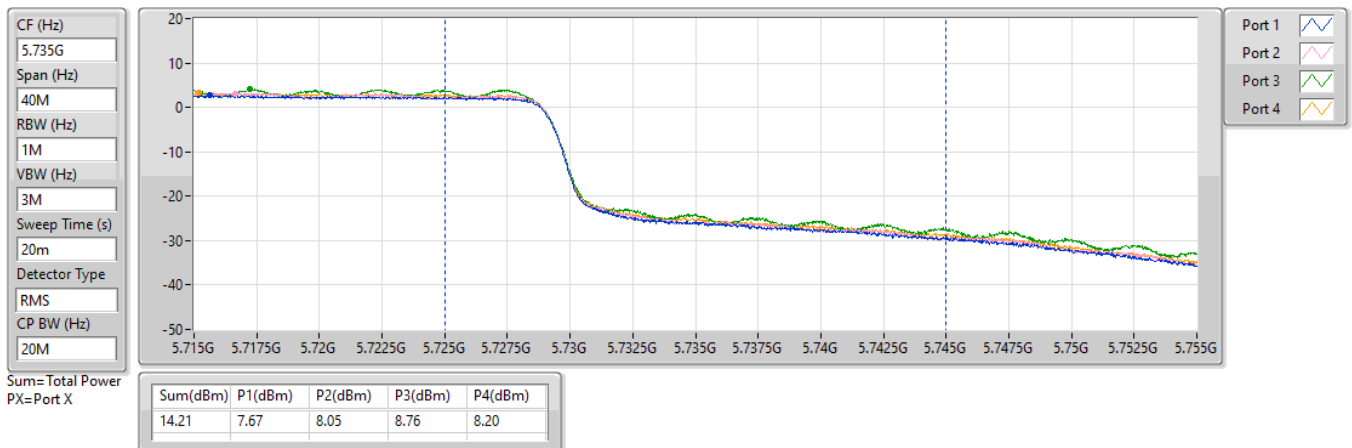


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

20/09/2024

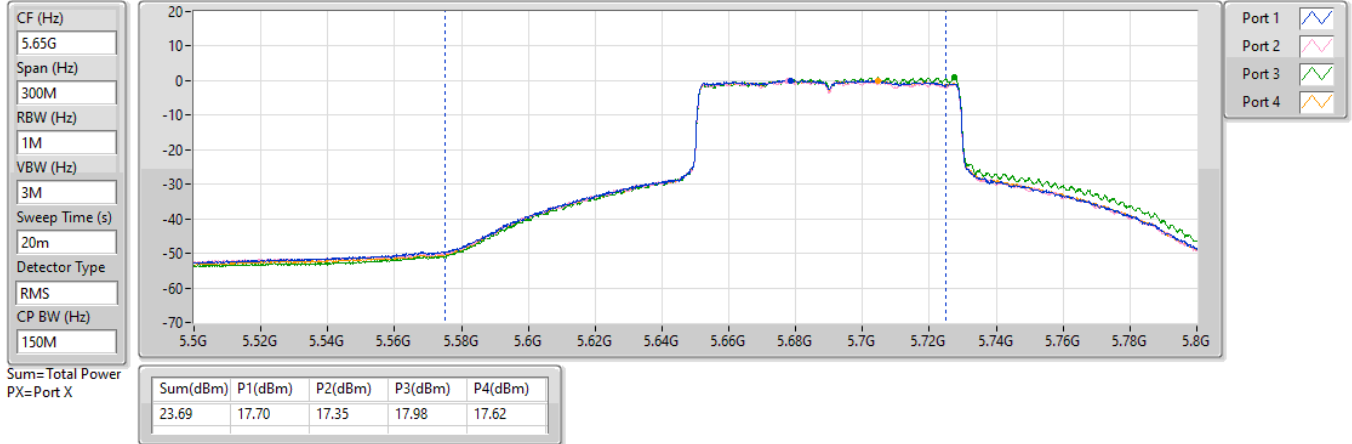


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

20/09/2024

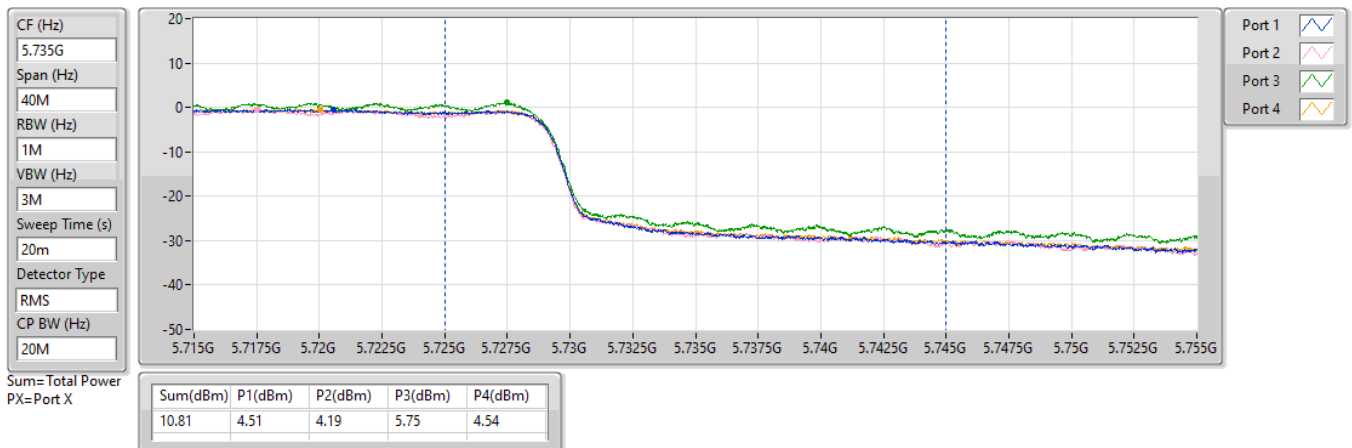


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

20/09/2024

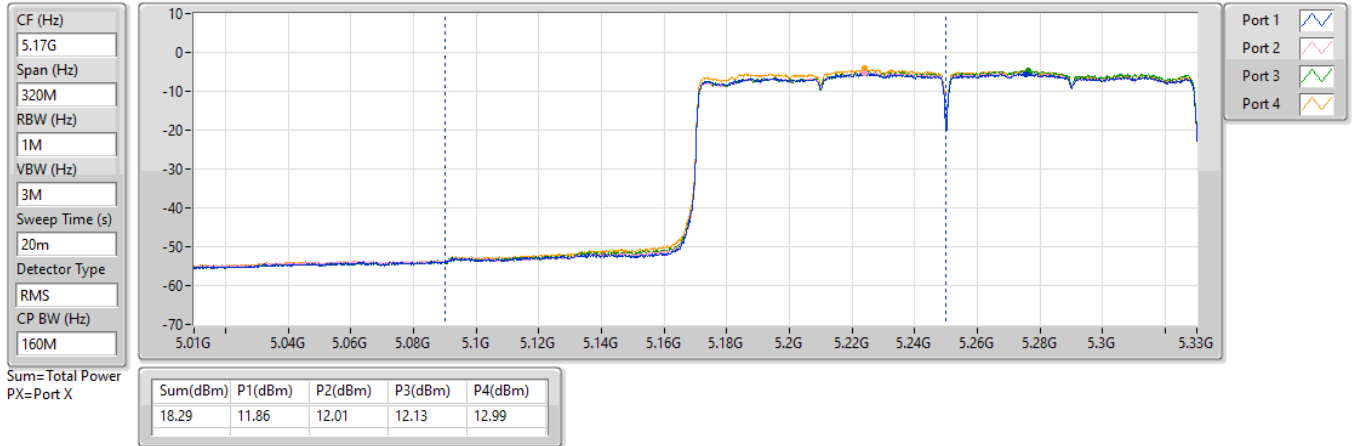


5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

20/09/2024

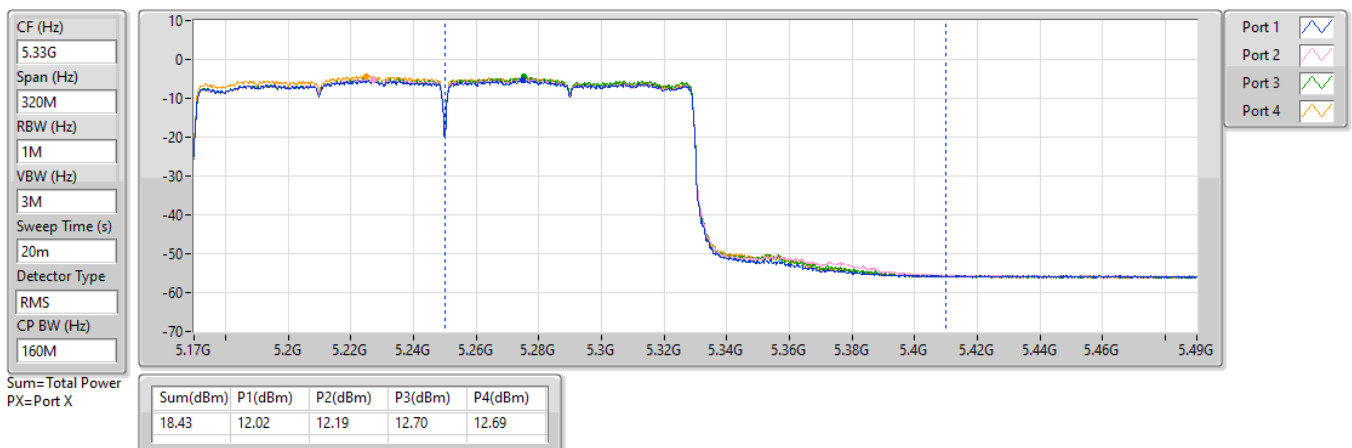


5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

20/09/2024

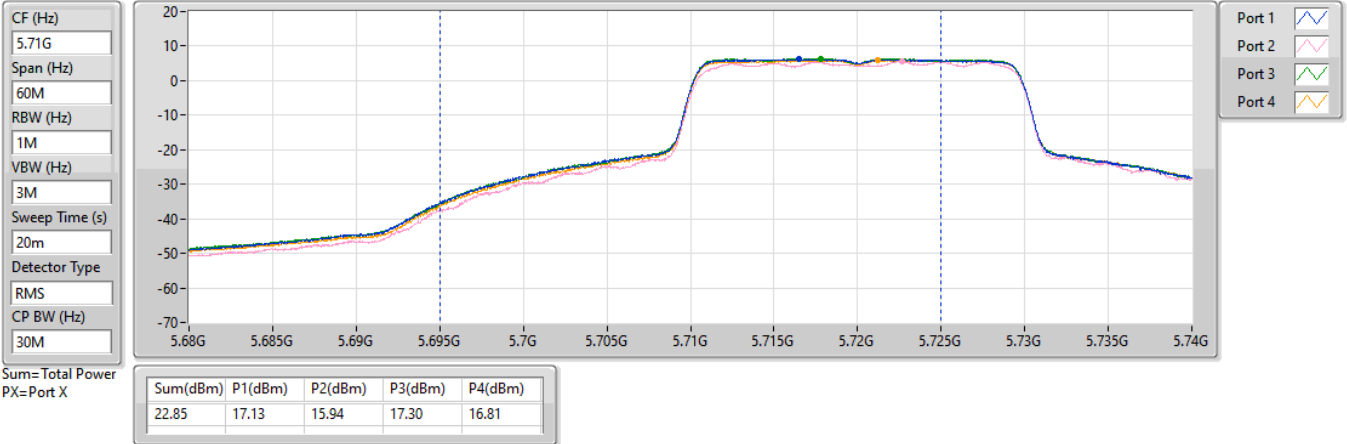


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

26/09/2024

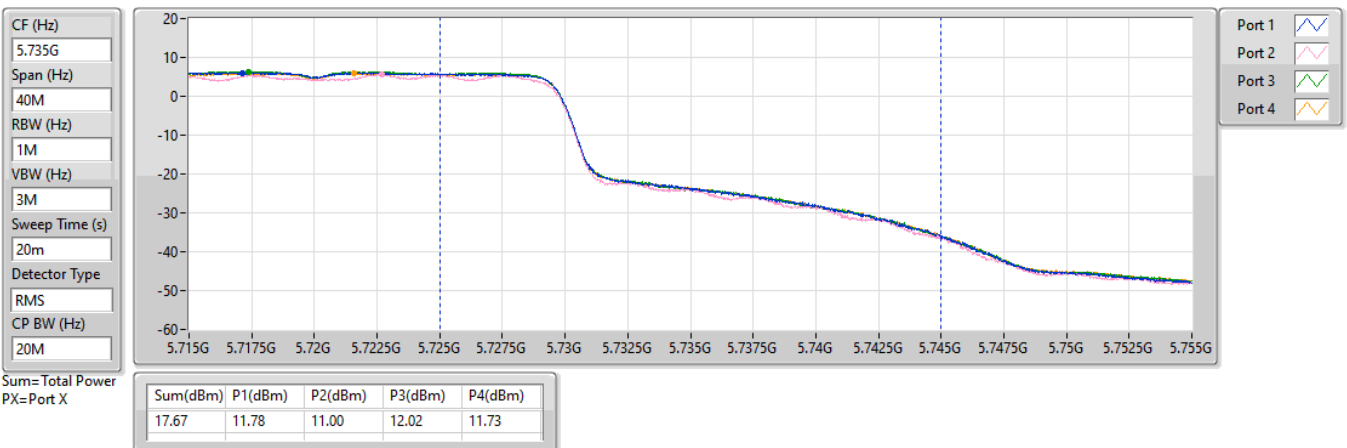


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

26/09/2024

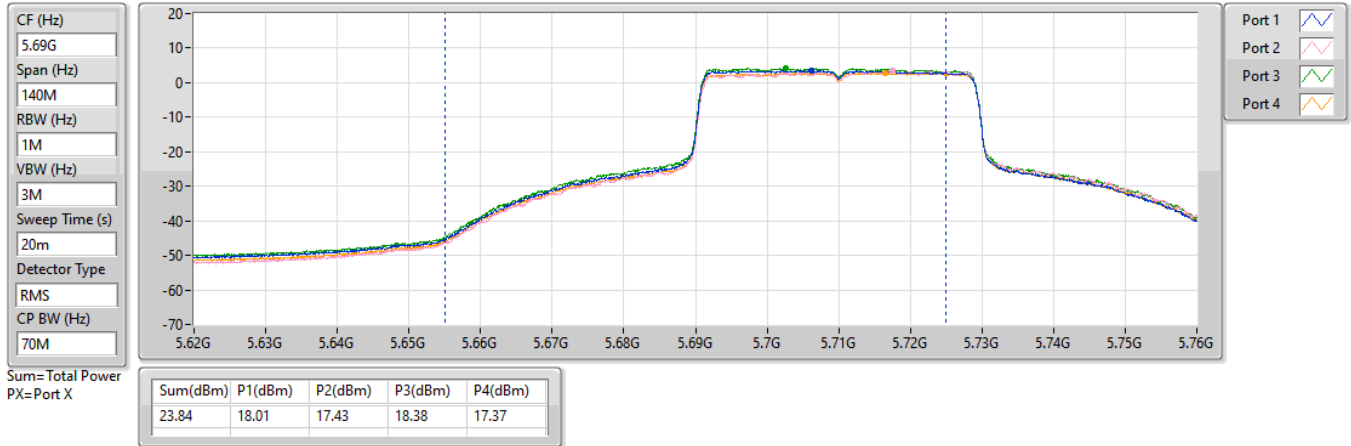


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

26/09/2024

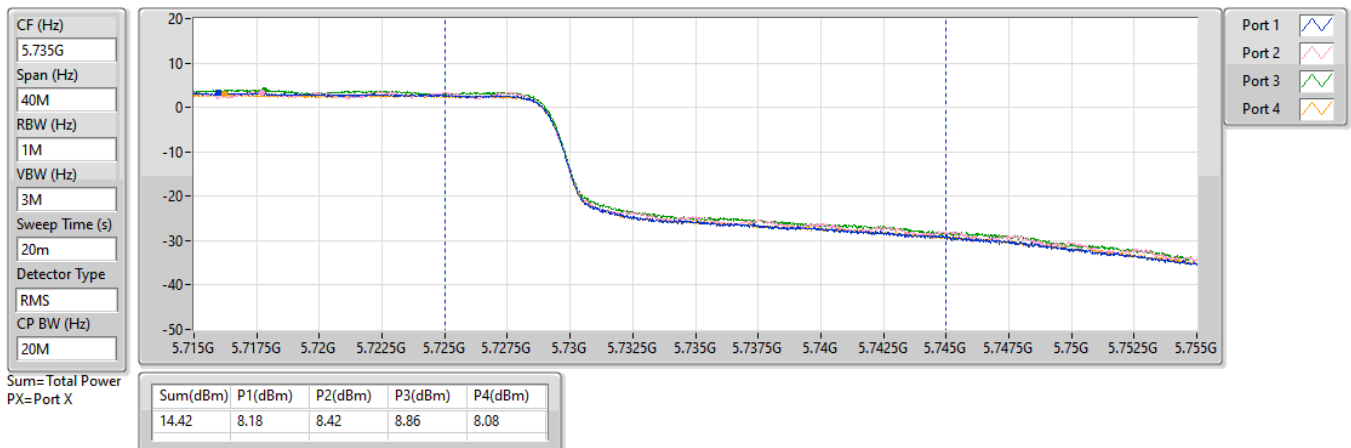


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

26/09/2024

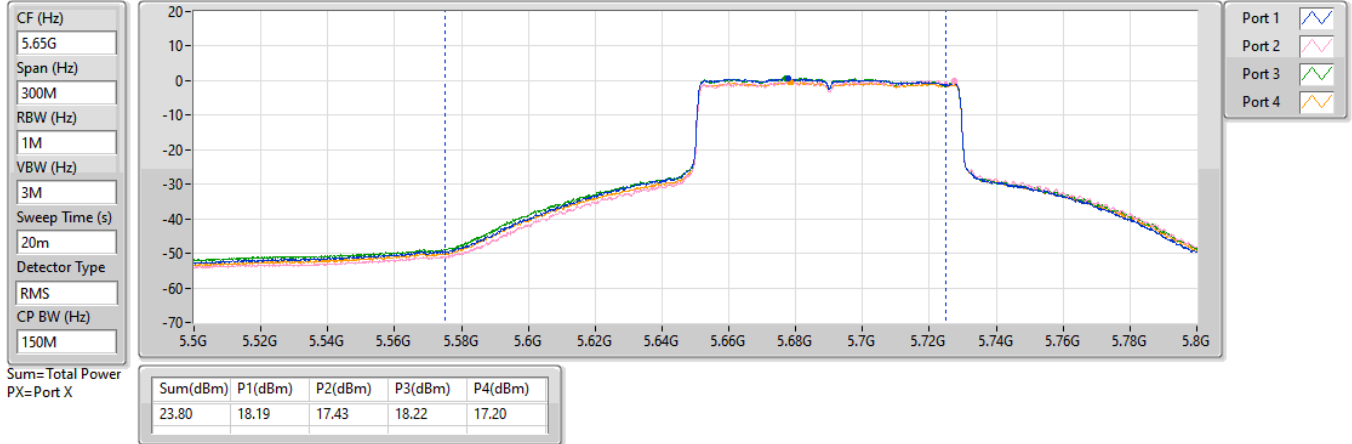


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

26/09/2024

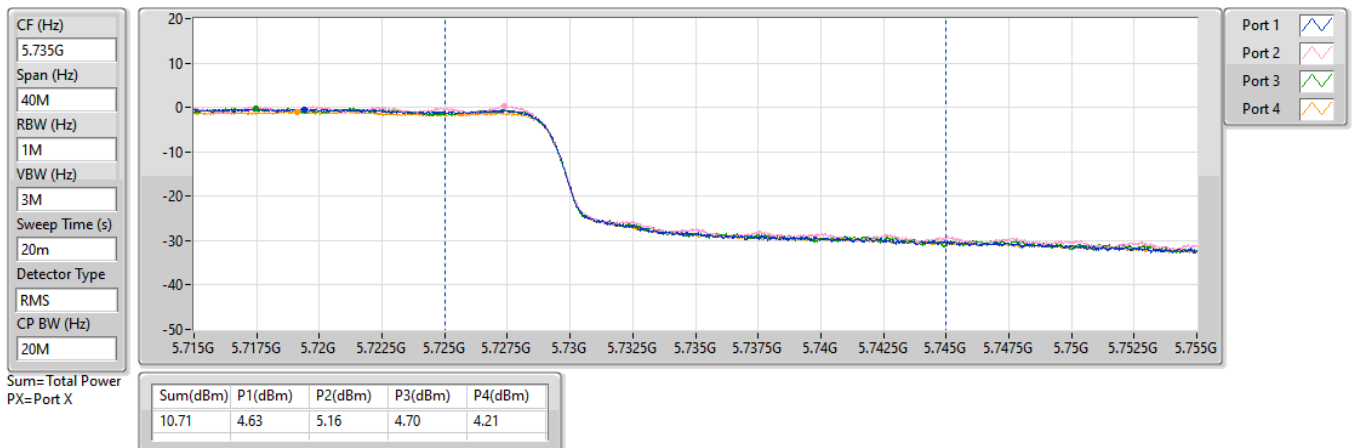


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

26/09/2024

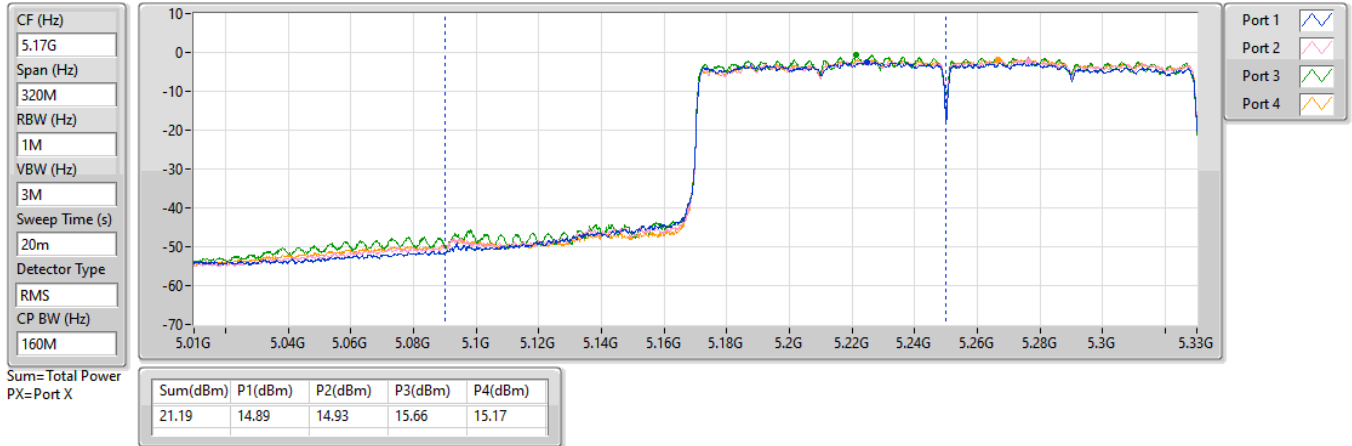


5.15-5.25GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

26/09/2024

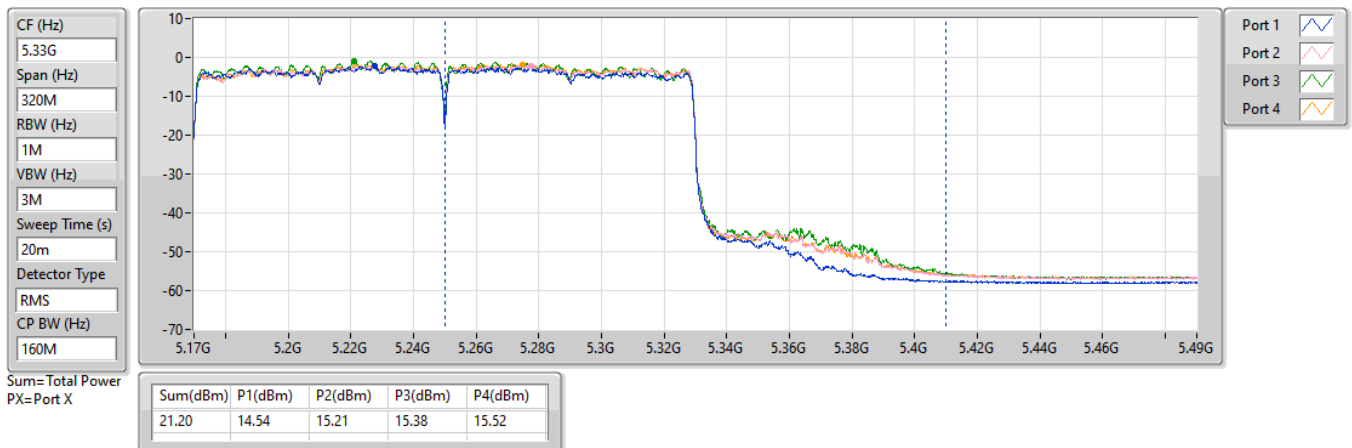


5.25-5.35GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

26/09/2024



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.82
802.11ax HEW20_Nss1,(MCS0)_4TX	16.06
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	16.62
802.11ax HEW40_Nss1,(MCS0)_4TX	11.74
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	13.53
802.11ax HEW80_Nss1,(MCS0)_4TX	3.30
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	9.01
802.11ax HEW160_Nss1,(MCS0)_4TX	-0.47
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	2.53
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.96
802.11ax HEW20_Nss1,(MCS0)_4TX	9.99
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.52
802.11ax HEW40_Nss1,(MCS0)_4TX	7.26
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.51
802.11ax HEW80_Nss1,(MCS0)_4TX	3.71
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.74
802.11ax HEW160_Nss1,(MCS0)_4TX	-0.62
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	2.45
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.98
802.11ax HEW20_Nss1,(MCS0)_4TX	10.64
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.56
802.11ax HEW40_Nss1,(MCS0)_4TX	7.72
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.84
802.11ax HEW80_Nss1,(MCS0)_4TX	4.53
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.85
802.11ax HEW160_Nss1,(MCS0)_4TX	0.74
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	5.45
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.51
802.11ax HEW20_Nss1,(MCS0)_4TX	15.07
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	15.54
802.11ax HEW40_Nss1,(MCS0)_4TX	12.04
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	12.40
802.11ax HEW80_Nss1,(MCS0)_4TX	9.25
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	9.38

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.45	7.20	7.32	7.99	7.62	13.50	17.00
5200MHz	Pass	4.45	10.79	10.77	11.38	10.96	16.82	17.00
5240MHz	Pass	4.45	10.59	10.68	11.17	11.09	16.77	17.00
5260MHz	Pass	4.07	4.86	4.81	5.08	5.35	10.91	11.00
5300MHz	Pass	4.07	4.77	4.94	5.20	5.24	10.96	11.00
5320MHz	Pass	4.07	4.89	4.84	5.21	5.18	10.94	11.00
5500MHz	Pass	4.11	5.19	4.73	5.53	4.86	10.93	11.00
5580MHz	Pass	4.11	5.40	4.56	5.83	4.61	10.96	11.00
5700MHz	Pass	4.11	4.78	5.18	5.77	4.84	10.98	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.11	4.39	4.86	5.62	4.79	10.75	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.43	2.66	3.17	2.77	3.09	8.84	30.00
5745MHz	Pass	4.43	9.14	9.67	9.95	9.09	15.26	30.00
5785MHz	Pass	4.43	9.29	9.92	10.46	9.51	15.51	30.00
5825MHz	Pass	4.43	9.21	9.95	10.44	9.34	15.38	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.45	5.42	5.83	6.24	6.65	12.00	17.00
5200MHz	Pass	4.45	9.76	10.11	10.23	10.40	16.05	17.00
5240MHz	Pass	4.45	9.63	9.98	10.23	10.59	16.06	17.00
5260MHz	Pass	4.07	3.82	3.86	3.92	4.50	9.95	11.00
5300MHz	Pass	4.07	3.89	4.04	4.07	4.32	9.99	11.00
5320MHz	Pass	4.07	3.84	4.18	3.94	4.20	9.96	11.00
5500MHz	Pass	4.11	4.28	4.11	4.80	3.74	10.19	11.00
5580MHz	Pass	4.11	4.26	3.70	4.86	3.42	10.02	11.00
5700MHz	Pass	4.11	4.07	4.45	4.99	3.97	10.32	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.11	4.20	4.66	5.32	4.47	10.64	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.43	2.56	2.91	3.76	2.77	8.91	30.00
5745MHz	Pass	4.43	8.78	9.36	9.65	8.66	15.07	30.00
5785MHz	Pass	4.43	8.33	9.05	9.59	8.72	14.84	30.00
5825MHz	Pass	4.43	8.69	9.20	9.88	8.93	14.99	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.45	0.59	0.99	1.42	1.40	7.03	17.00
5230MHz	Pass	4.45	5.41	5.84	6.17	6.07	11.74	17.00
5270MHz	Pass	4.07	1.00	1.20	1.47	1.70	7.26	11.00
5310MHz	Pass	4.07	-0.16	0.28	0.63	0.54	6.21	11.00
5510MHz	Pass	4.11	1.24	1.70	1.57	1.21	7.38	11.00
5550MHz	Pass	4.11	0.90	1.23	1.18	0.84	6.92	11.00
5670MHz	Pass	4.11	0.77	1.42	1.81	1.15	7.20	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.11	1.23	1.63	2.64	1.79	7.72	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.43	-0.74	-0.39	1.22	-0.12	5.90	30.00
5755MHz	Pass	4.43	5.45	5.88	7.30	5.81	12.04	30.00
5795MHz	Pass	4.43	5.28	5.92	7.24	5.72	11.99	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.45	-3.08	-2.65	-2.19	-2.43	3.30	17.00
5290MHz	Pass	4.07	-2.82	-2.35	-1.94	-1.86	3.71	11.00
5530MHz	Pass	4.11	-1.67	-1.37	-1.42	-1.81	4.34	11.00
5610MHz	Pass	4.11	-1.52	-1.99	-1.30	-1.93	4.21	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.11	-1.54	-1.74	-0.47	-1.65	4.53	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.43	-3.80	-3.88	-1.58	-3.62	2.89	30.00
5775MHz	Pass	4.43	2.50	3.13	4.43	3.04	9.25	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	4.45	-6.93	-6.63	-6.33	-5.76	-0.47	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.07	-6.89	-6.70	-6.12	-6.15	-0.62	11.00
5570MHz	Pass	4.11	-5.04	-5.54	-4.45	-5.65	0.74	11.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
5180MHz	Pass	4.45	10.17	10.41	12.04	10.94	16.61	17.00
5200MHz	Pass	4.45	9.96	10.47	12.01	10.81	16.61	17.00
5240MHz	Pass	4.45	9.81	10.24	11.95	10.88	16.62	17.00
5260MHz	Pass	4.07	4.10	4.26	5.51	4.58	10.52	11.00
5300MHz	Pass	4.07	4.01	4.17	5.50	4.33	10.34	11.00
5320MHz	Pass	4.07	4.03	4.07	5.20	4.19	10.18	11.00
5500MHz	Pass	4.11	4.53	4.50	4.99	4.40	10.53	11.00
5580MHz	Pass	4.11	4.68	4.56	5.08	4.26	10.56	11.00
5700MHz	Pass	4.11	2.49	2.34	3.85	2.33	8.74	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.11	4.60	4.14	4.87	4.34	10.42	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.43	2.74	2.55	3.02	2.67	8.65	30.00
5745MHz	Pass	4.43	9.50	10.37	9.15	9.45	15.54	30.00
5785MHz	Pass	4.43	9.10	10.26	9.03	9.06	15.25	30.00
5825MHz	Pass	4.43	9.22	10.47	8.94	9.26	15.31	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.45	5.86	6.28	6.70	6.15	11.96	17.00
5230MHz	Pass	4.45	7.02	7.55	8.44	7.72	13.53	17.00
5270MHz	Pass	4.07	0.80	1.58	2.32	1.62	7.51	11.00
5310MHz	Pass	4.07	0.85	1.62	2.31	1.78	7.44	11.00
5510MHz	Pass	4.11	1.86	1.20	2.24	1.56	7.65	11.00
5550MHz	Pass	4.11	1.70	1.13	1.91	1.36	7.45	11.00
5670MHz	Pass	4.11	1.87	1.52	2.37	1.29	7.67	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.11	1.99	2.03	2.63	1.32	7.84	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.43	-0.29	0.64	0.32	-0.46	5.99	30.00
5755MHz	Pass	4.43	6.44	7.50	5.78	5.64	12.30	30.00
5795MHz	Pass	4.43	6.46	7.77	5.96	5.78	12.40	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.45	2.65	3.06	3.85	3.31	9.01	17.00
5290MHz	Pass	4.07	-1.79	-1.27	-0.21	-1.15	4.74	11.00
5530MHz	Pass	4.11	-0.76	-1.59	-0.49	-1.64	4.81	11.00
5610MHz	Pass	4.11	-0.64	-1.28	-0.41	-1.55	4.85	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.11	-1.00	-1.30	-0.82	-2.08	4.59	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.43	-3.55	-2.49	-3.50	-4.10	2.60	30.00
5775MHz	Pass	4.43	3.71	4.55	2.88	2.59	9.38	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	4.45	-3.79	-3.85	-2.35	-3.46	2.53	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.07	-4.24	-3.73	-2.67	-3.28	2.45	11.00
5570MHz	Pass	4.11	-0.29	-1.07	0.44	-0.76	5.45	11.00

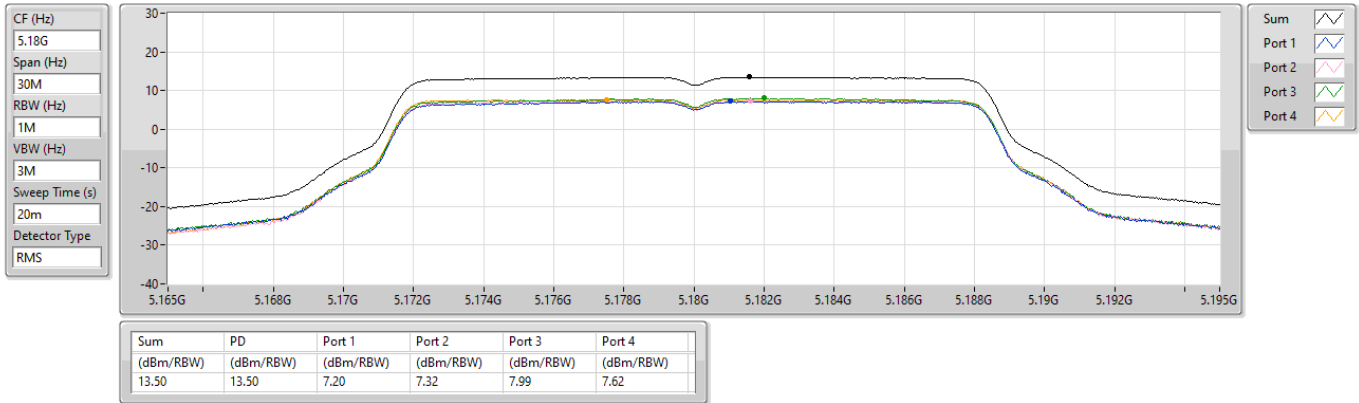
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

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

PSD

5180MHz

20/09/2024

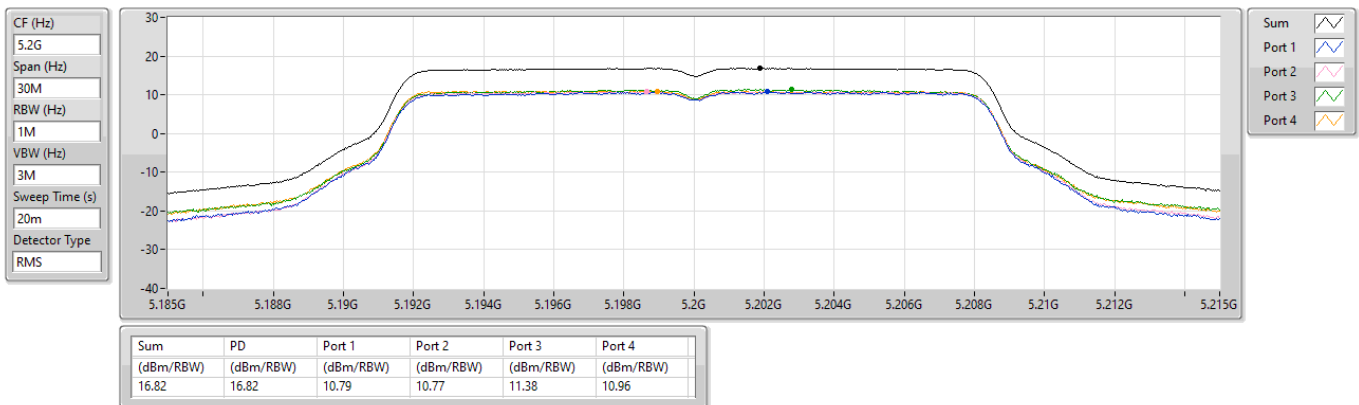


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

20/09/2024



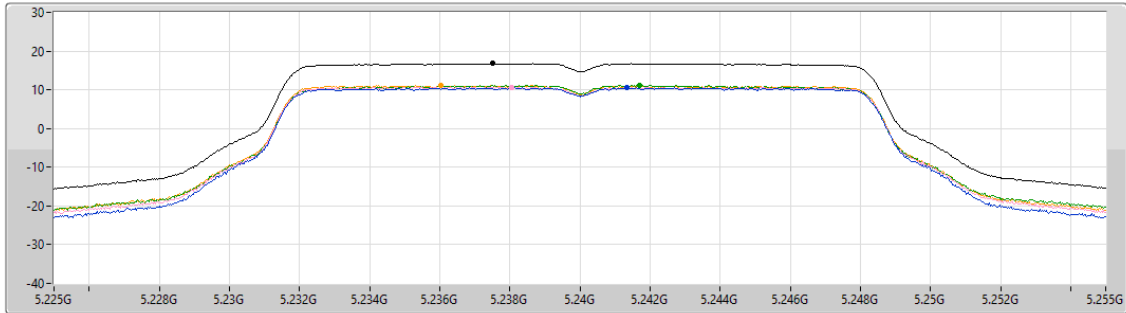
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

20/09/2024

CF (Hz)
5.24G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.77	16.77	10.59	10.68	11.17	11.09

Sum
Port 1
Port 2
Port 3
Port 4

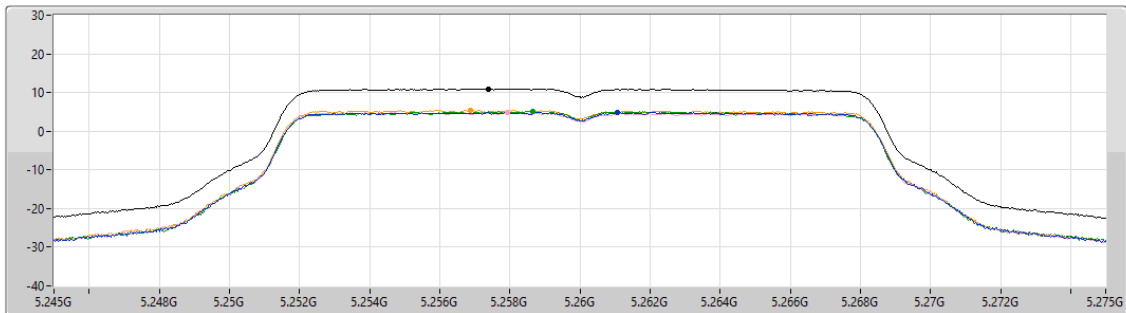
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

20/09/2024

CF (Hz)
5.26G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.91	10.91	4.86	4.81	5.08	5.35

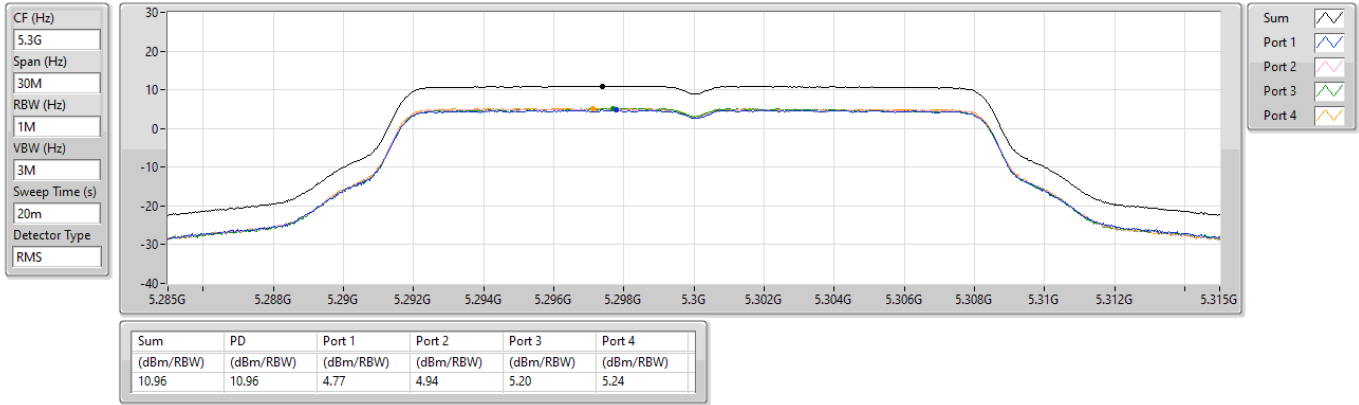
Sum
Port 1
Port 2
Port 3
Port 4

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

PSD

5300MHz

20/09/2024

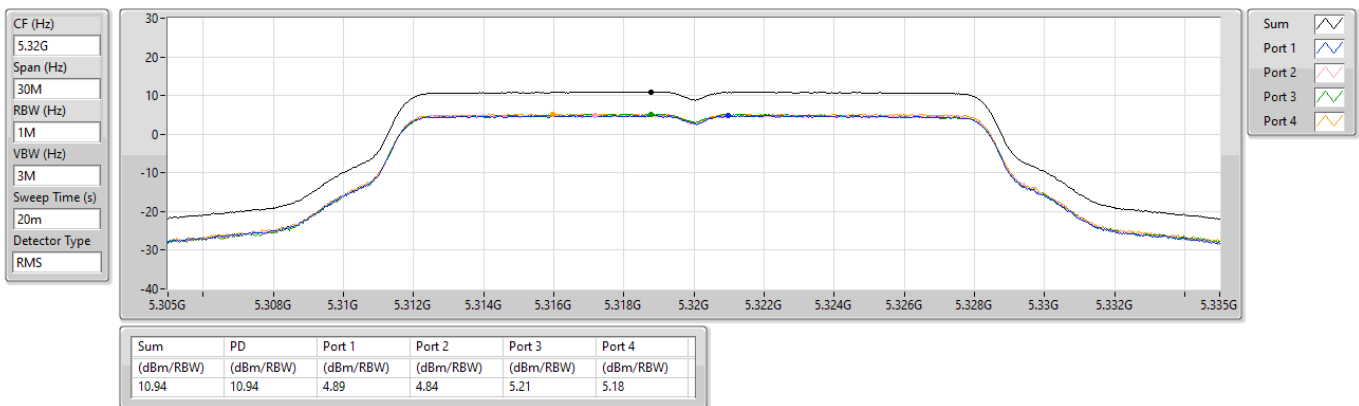


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

20/09/2024



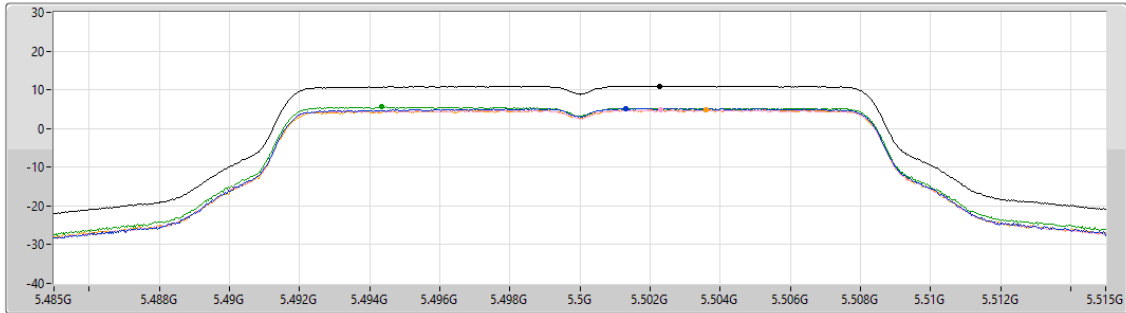
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

20/09/2024

CF (Hz)
5.5G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.93	10.93	5.19	4.73	5.53	4.86

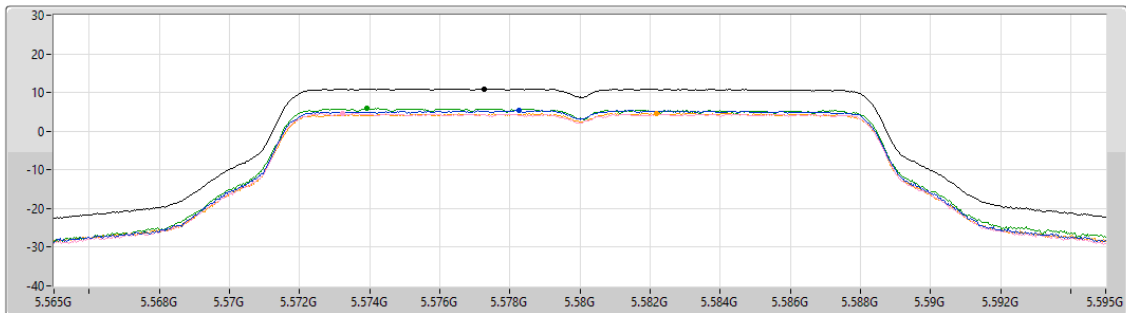
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

20/09/2024

CF (Hz)
5.58G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.96	10.96	5.40	4.56	5.83	4.61

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

PSD

5700MHz

20/09/2024

CF (Hz)
5.7G

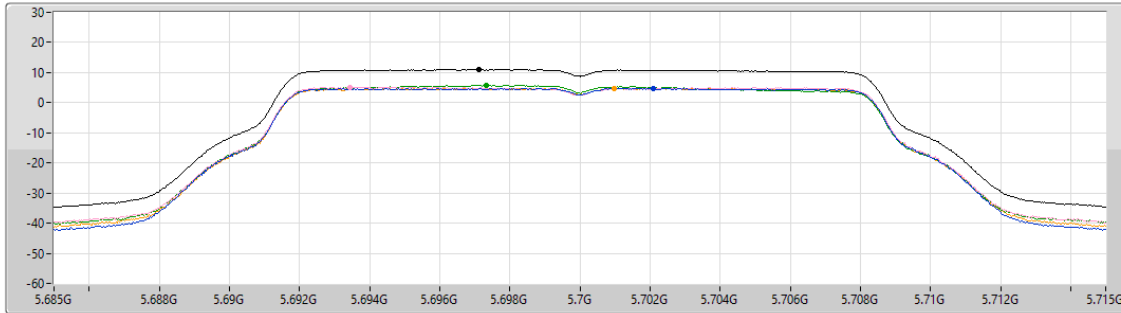
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.98	10.98	4.78	5.18	5.77	4.84

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

PSD

5720MHz Straddle 5.47-5.725GHz

20/09/2024

CF (Hz)
5.71G

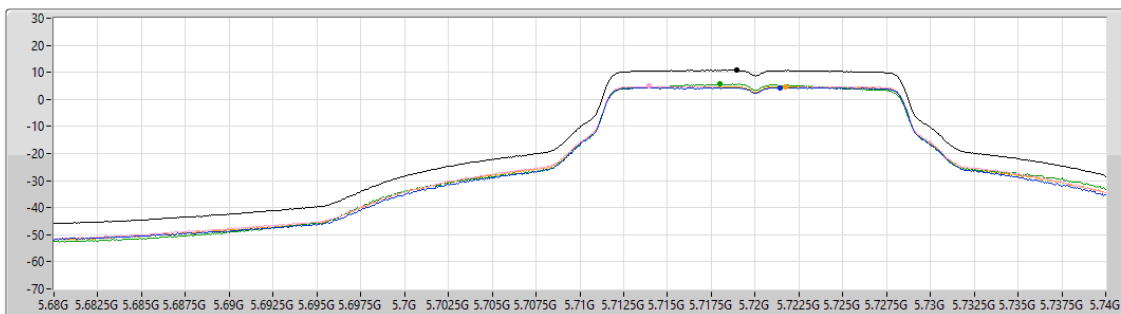
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



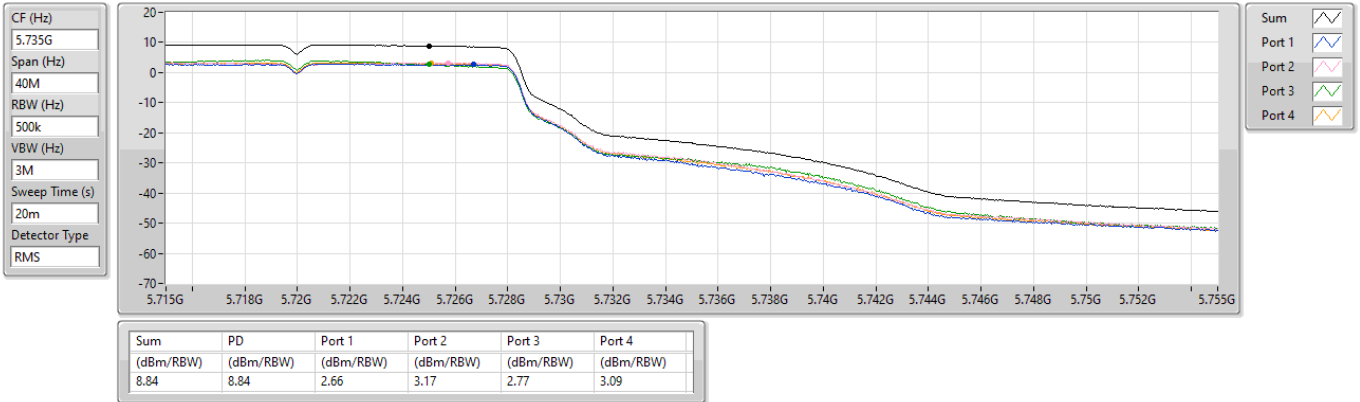
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.75	10.75	4.39	4.86	5.62	4.79

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

PSD

5720MHz Straddle 5.725-5.85GHz

20/09/2024

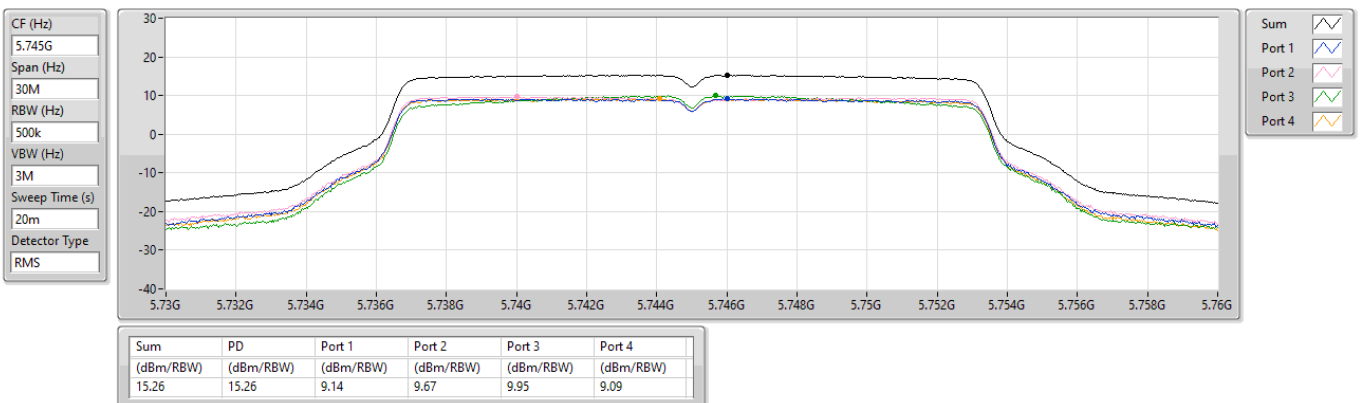


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

20/09/2024

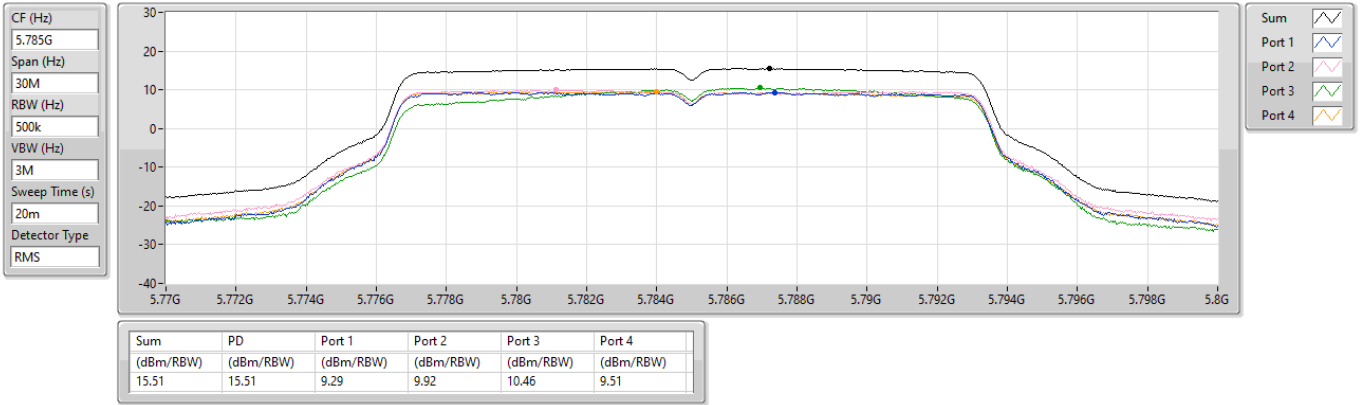


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

20/09/2024

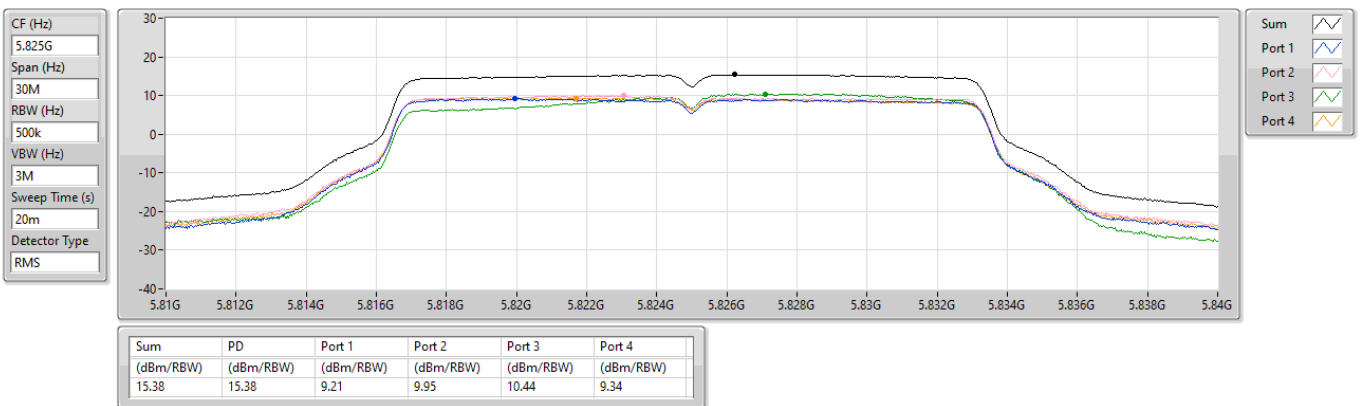


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

20/09/2024



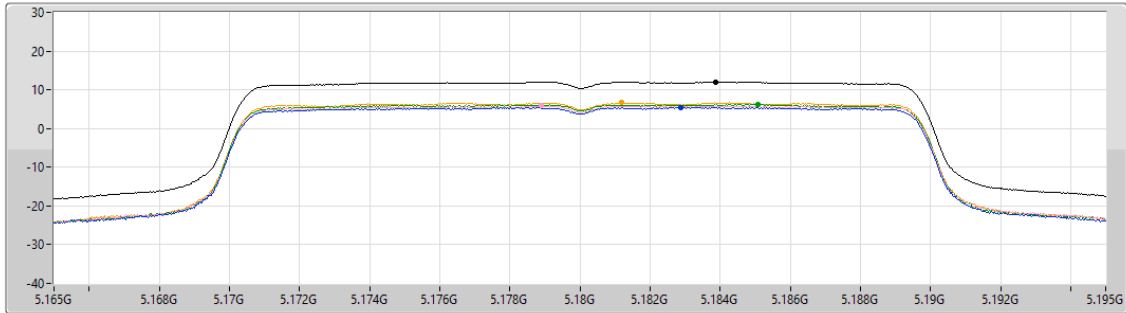
5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

20/09/2024

CF (Hz)
5.18G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.00	5.42	5.83	6.24	6.65

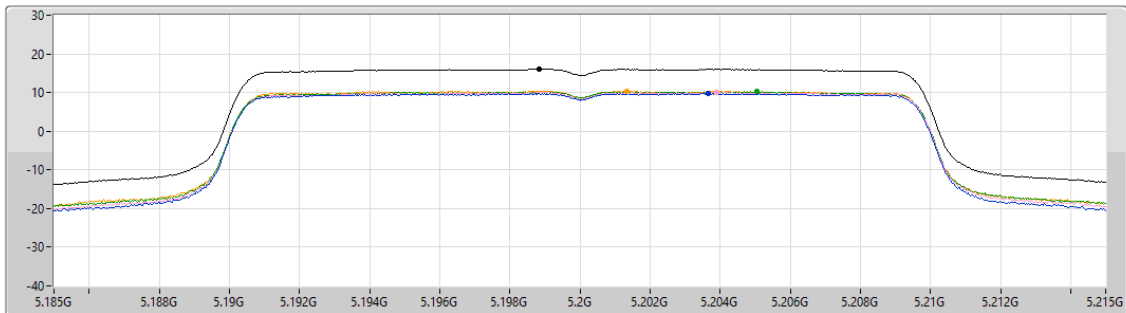
5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

20/09/2024

CF (Hz)
5.2G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



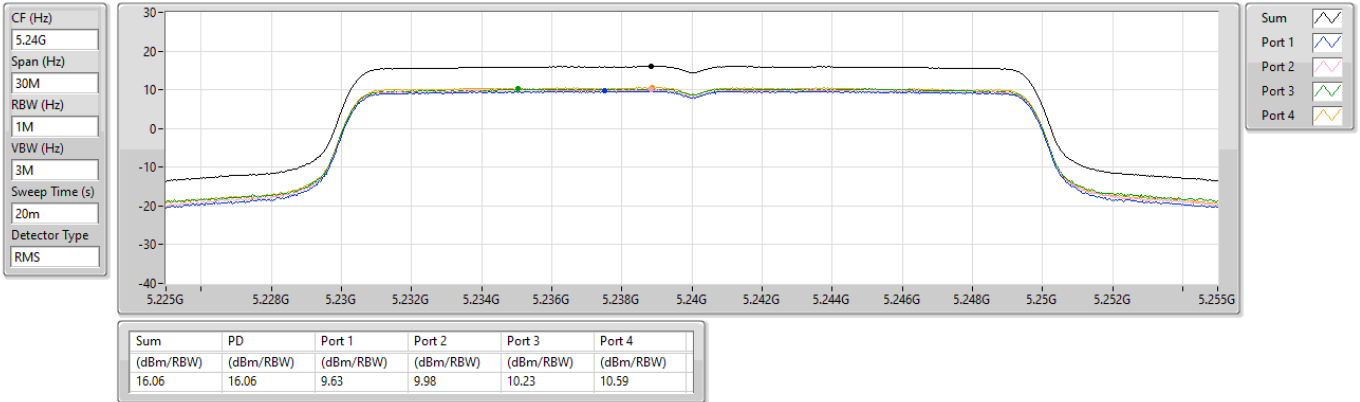
Sum	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
16.05	9.76	10.11	10.23	10.40

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

20/09/2024

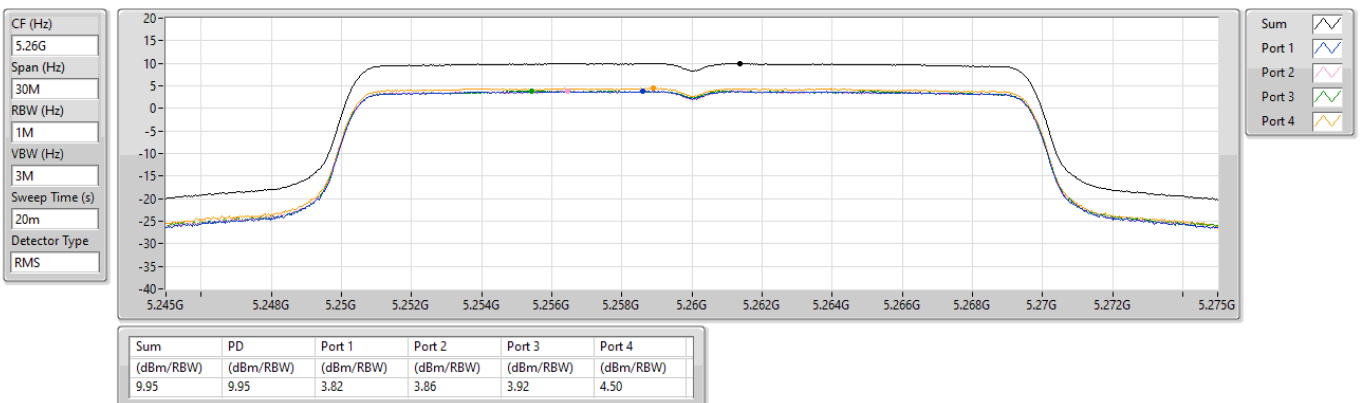


5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5260MHz

20/09/2024

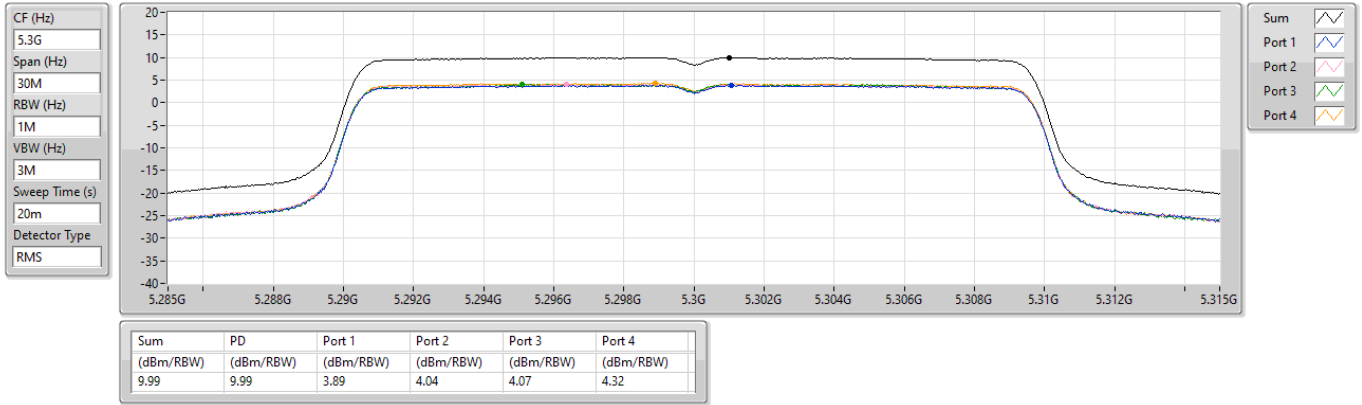


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5300MHz

20/09/2024

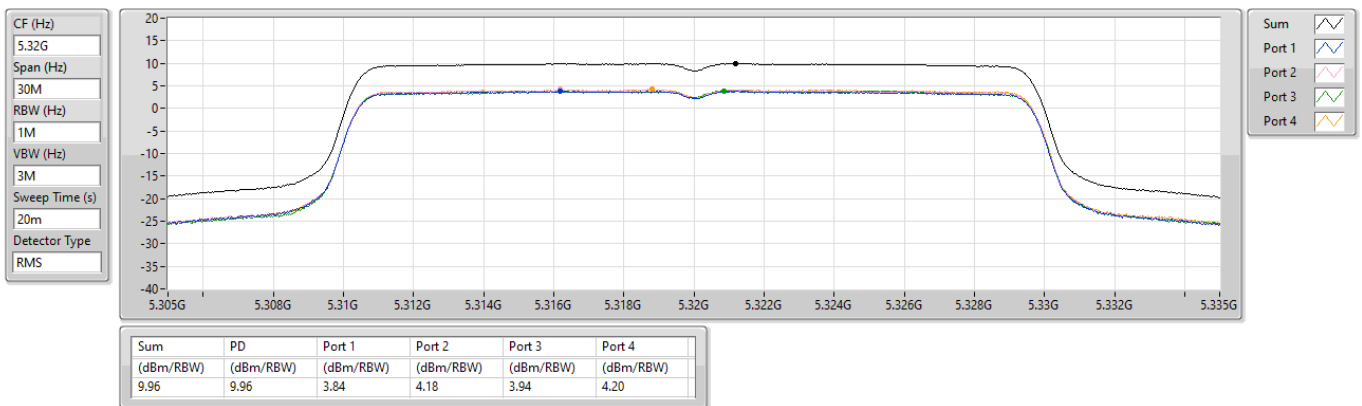


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

20/09/2024

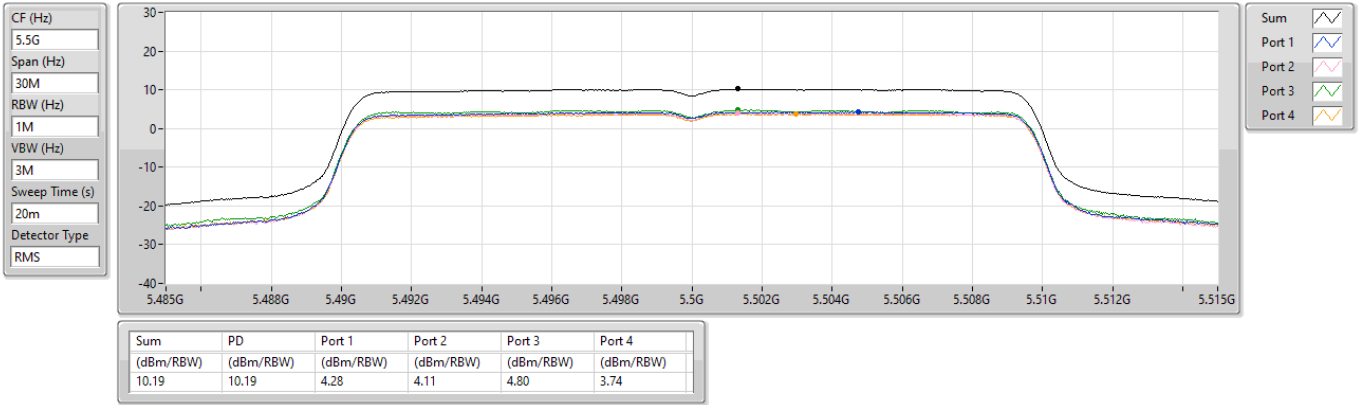


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

20/09/2024

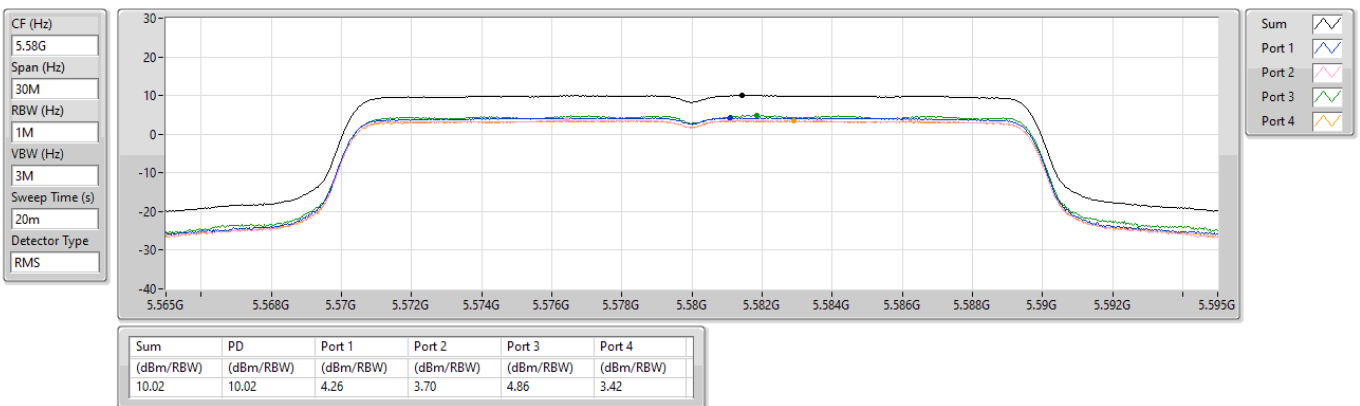


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

20/09/2024



5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5700MHz

20/09/2024

CF (Hz)
5.7G

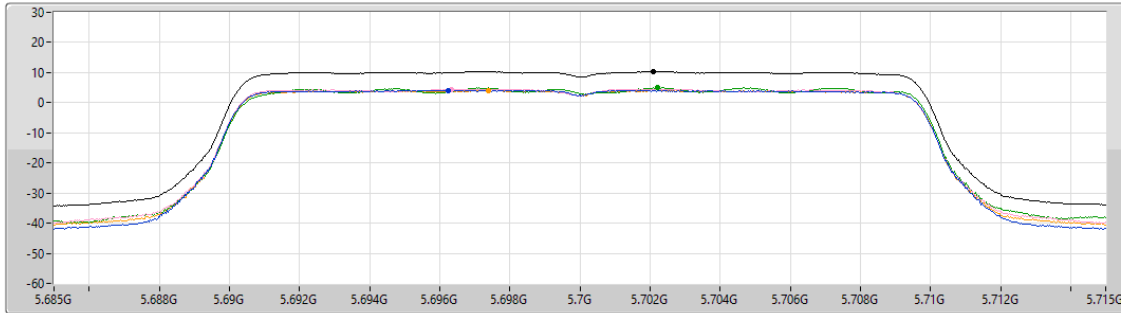
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.32	10.32	4.07	4.45	4.99	3.97

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

20/09/2024

CF (Hz)
5.71G

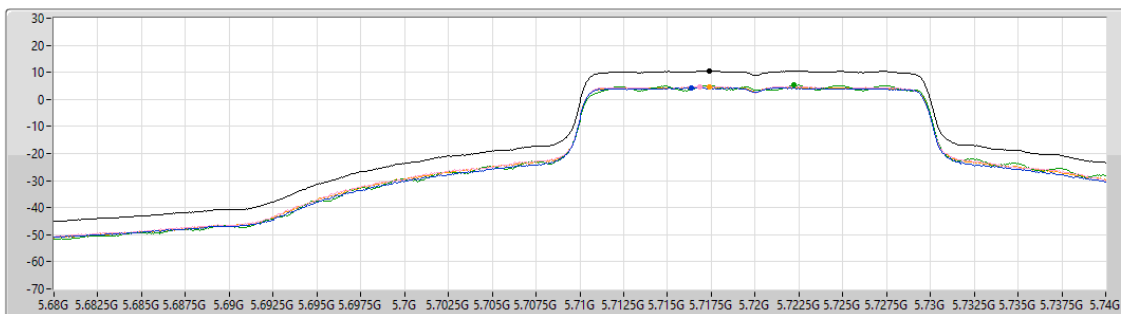
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



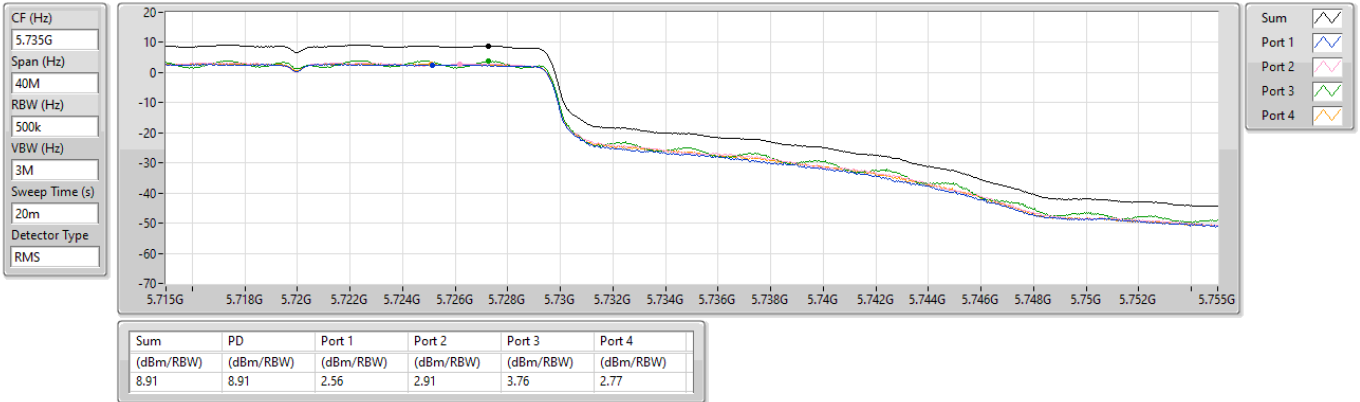
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.64	10.64	4.20	4.66	5.32	4.47

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

20/09/2024

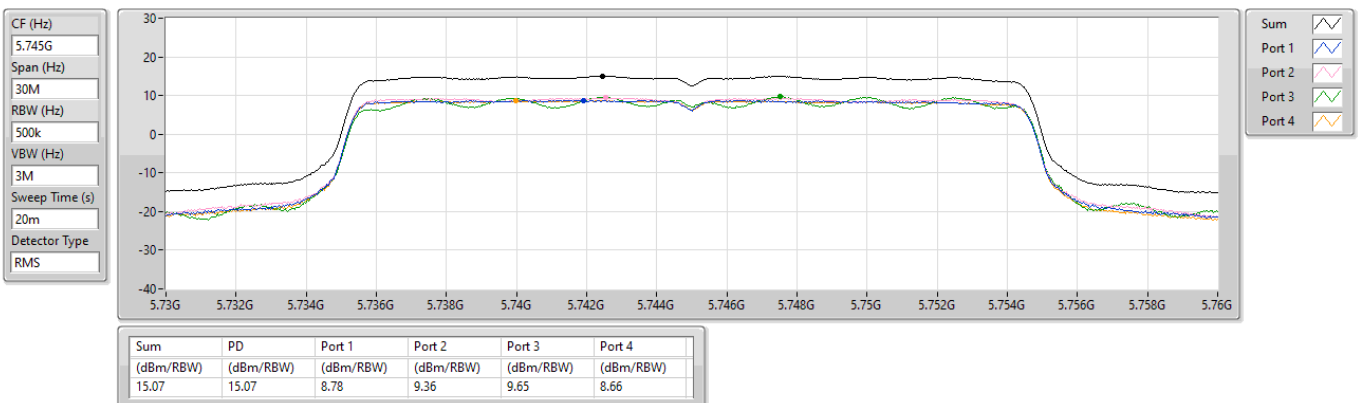


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

20/09/2024

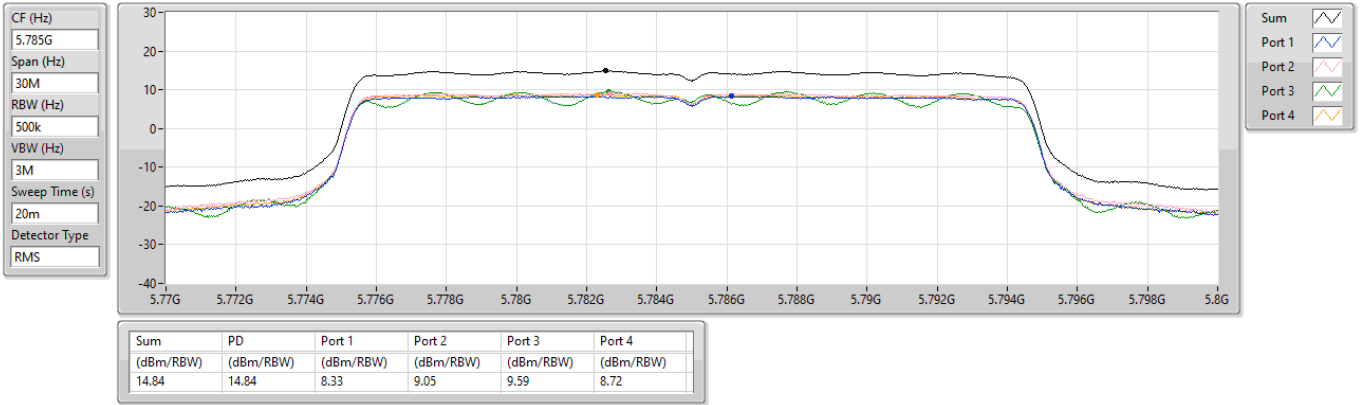


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

20/09/2024

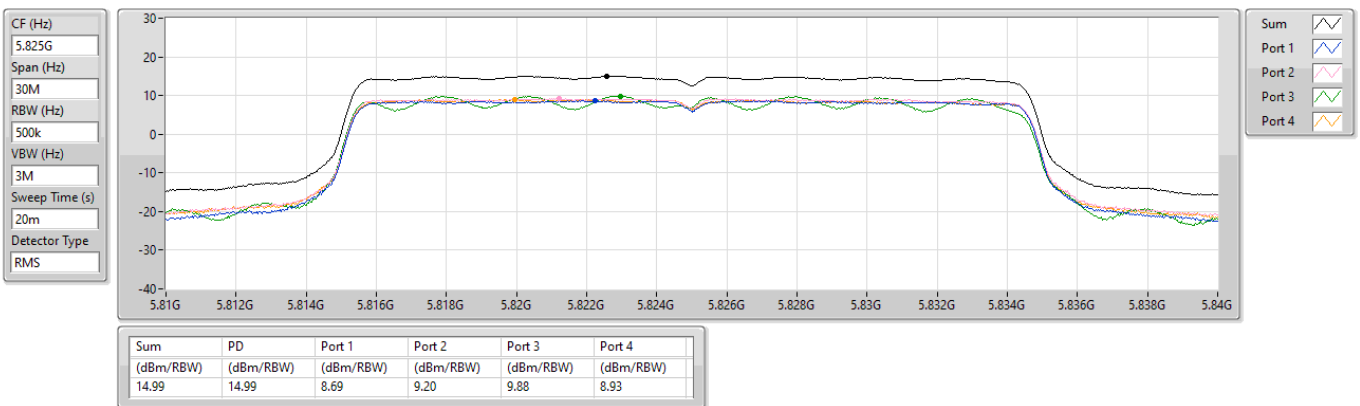


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

20/09/2024

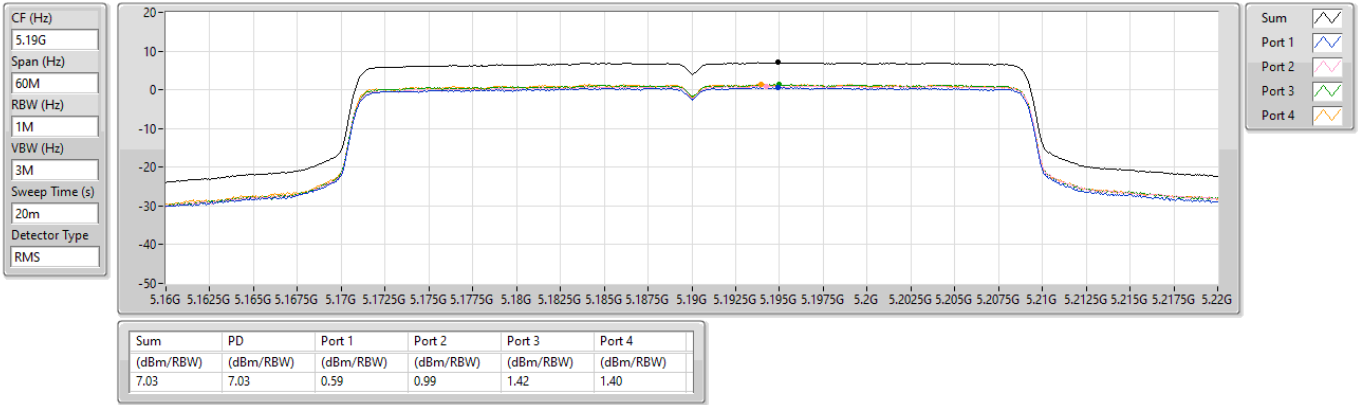


5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

20/09/2024

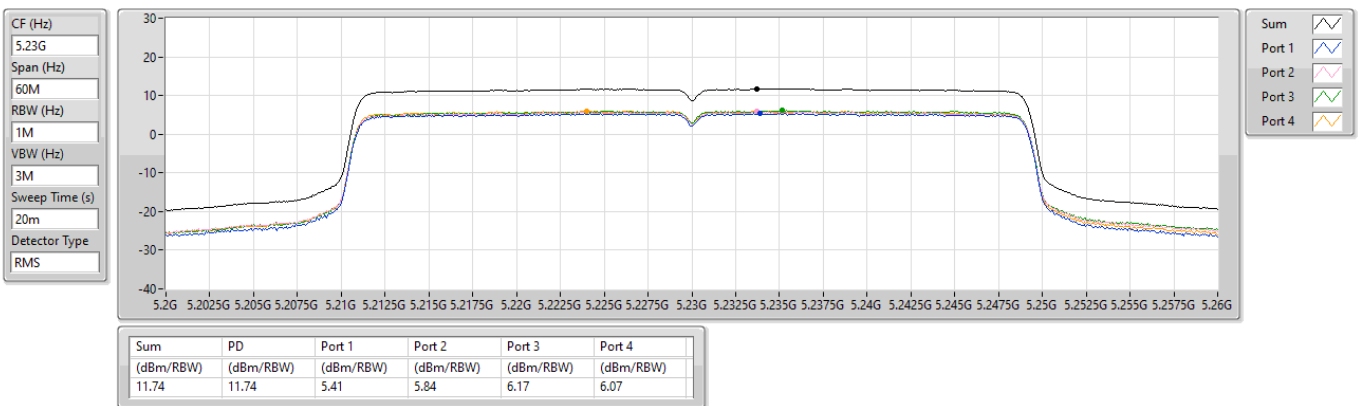


5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

20/09/2024

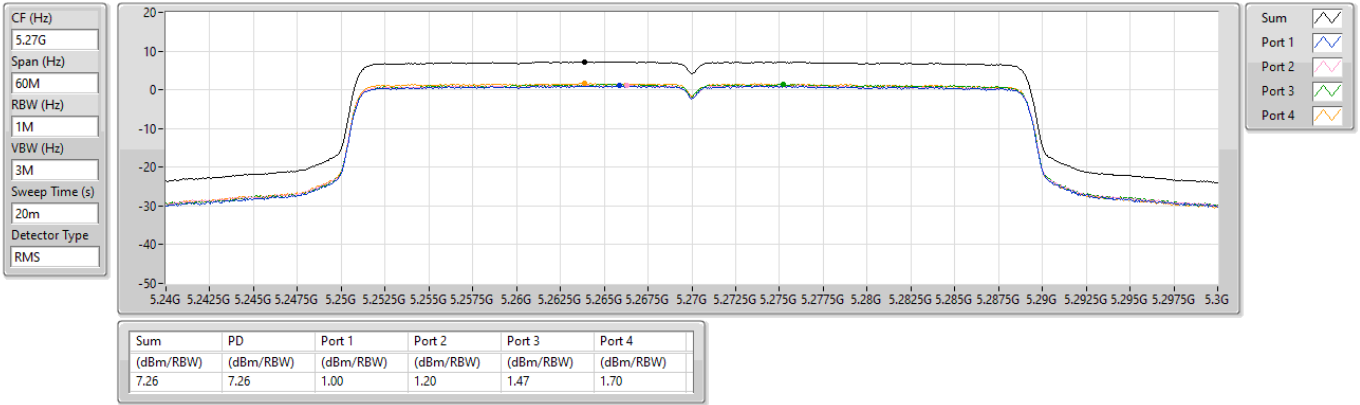


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5270MHz

20/09/2024

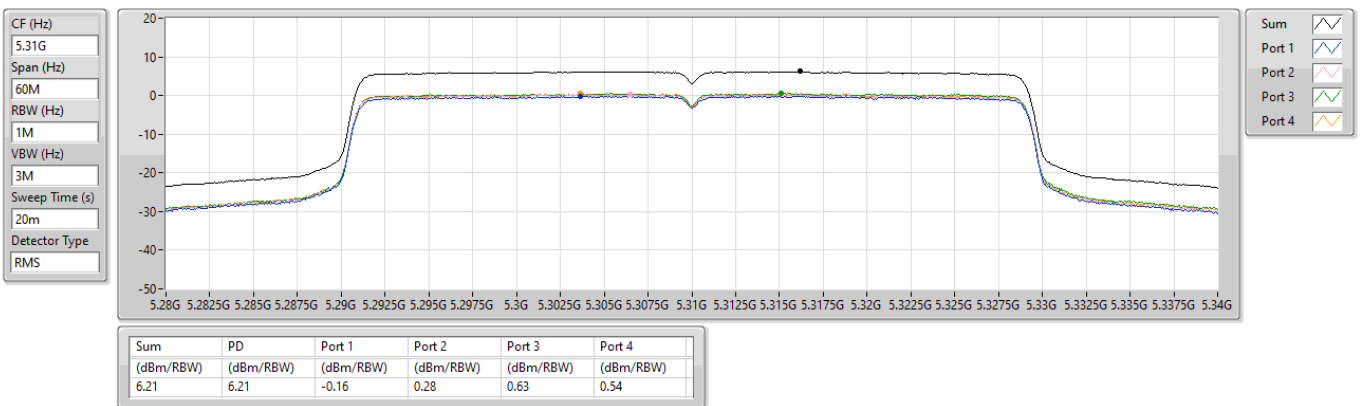


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5310MHz

20/09/2024



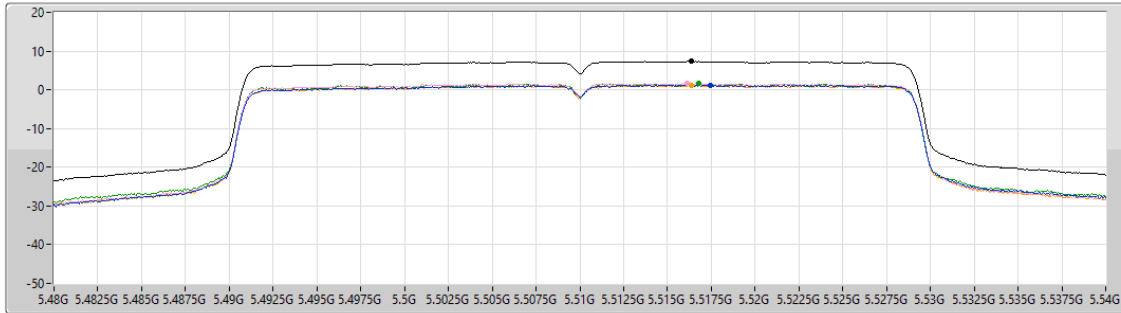
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5510MHz

20/09/2024

CF (Hz)
5.51G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.38	7.38	1.24	1.70	1.57	1.21

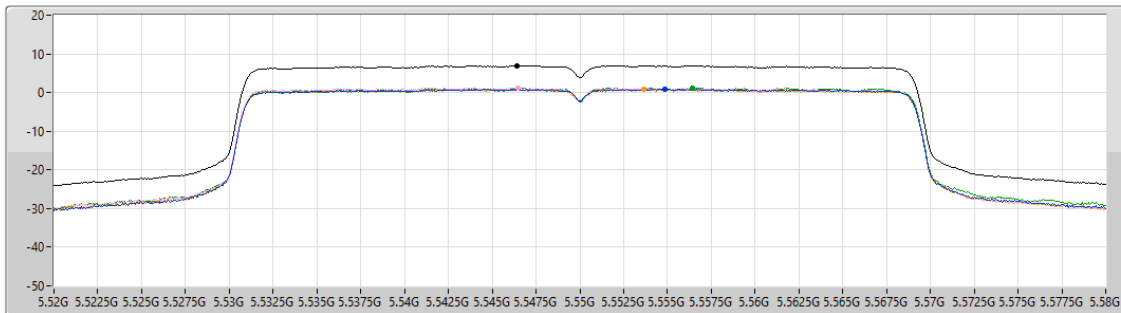
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5550MHz

20/09/2024

CF (Hz)
5.55G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
6.92	6.92	0.90	1.23	1.18	0.84

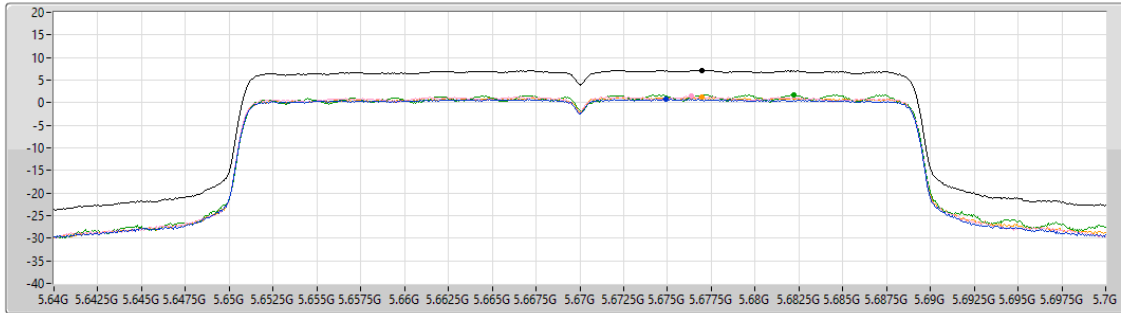
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5670MHz

20/09/2024

CF (Hz)
5.67G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.20	7.20	0.77	1.42	1.81	1.15

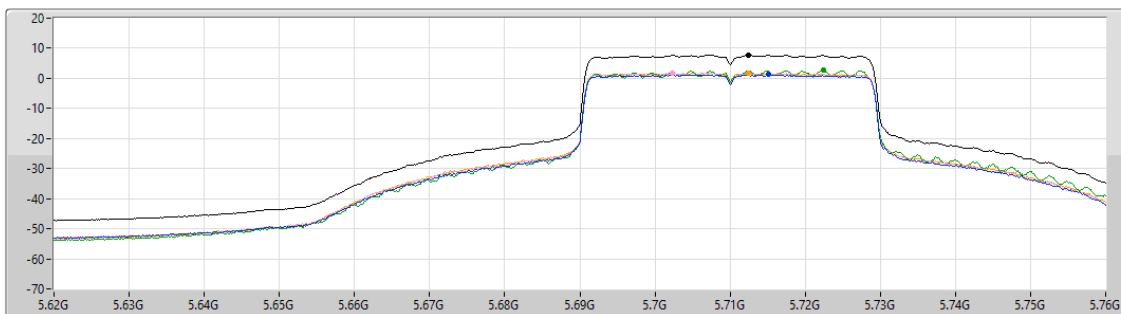
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

20/09/2024

CF (Hz)
5.69G
Span (Hz)
140M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



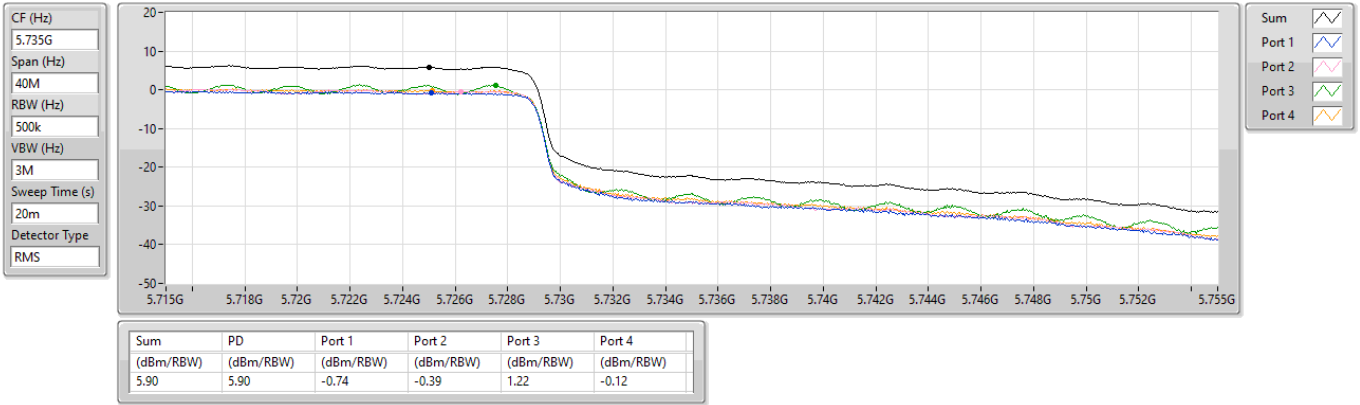
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.72	7.72	1.23	1.63	2.64	1.79

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

20/09/2024

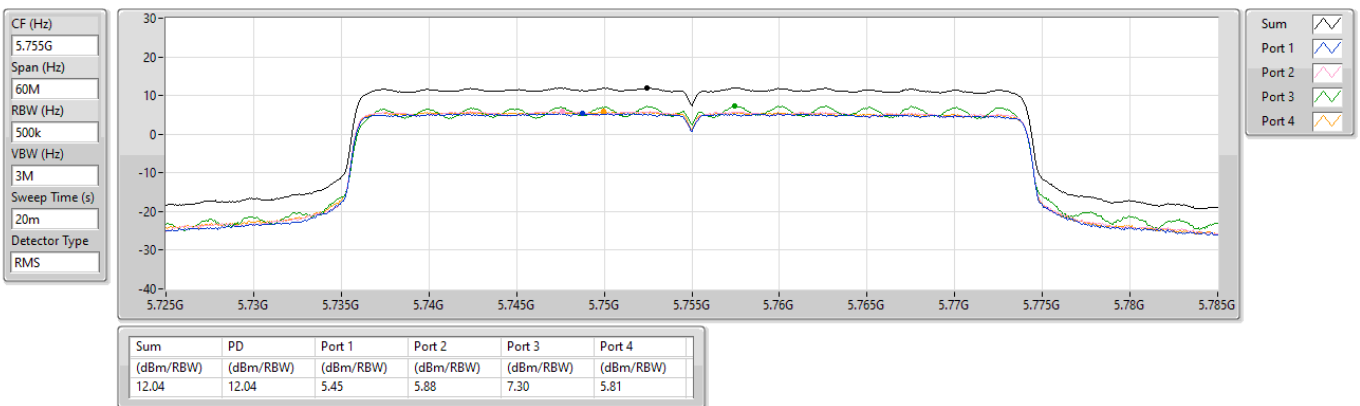


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

20/09/2024



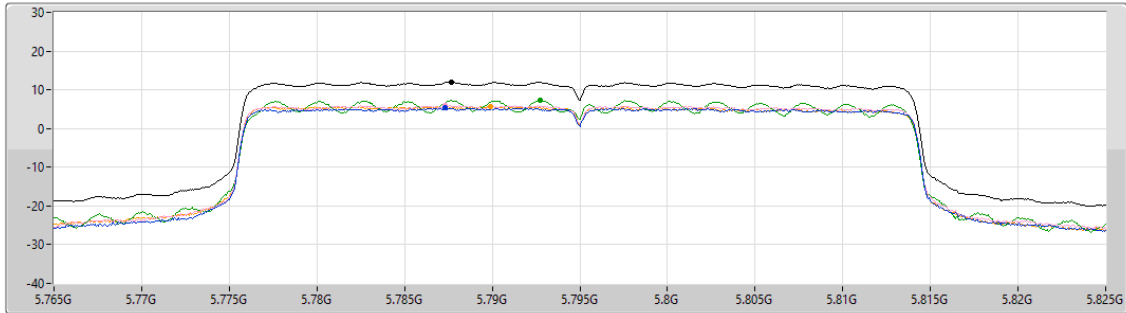
5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

20/09/2024

CF (Hz)
5.795G
Span (Hz)
60M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
11.99	11.99	5.28	5.92	7.24	5.72

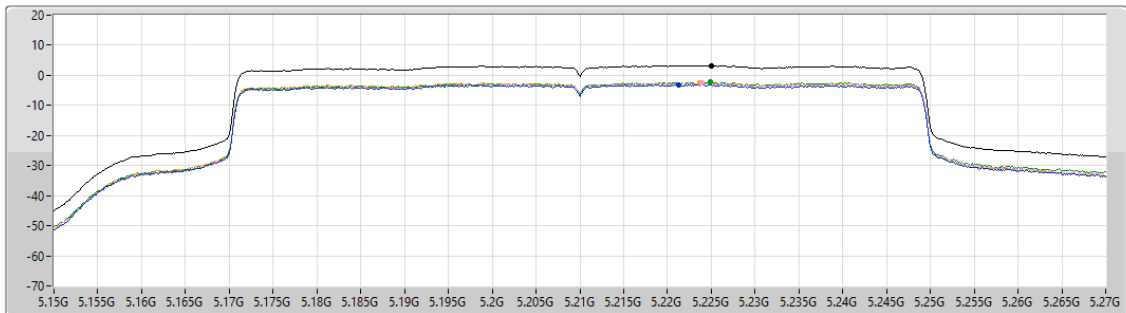
5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

20/09/2024

CF (Hz)
5.21G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



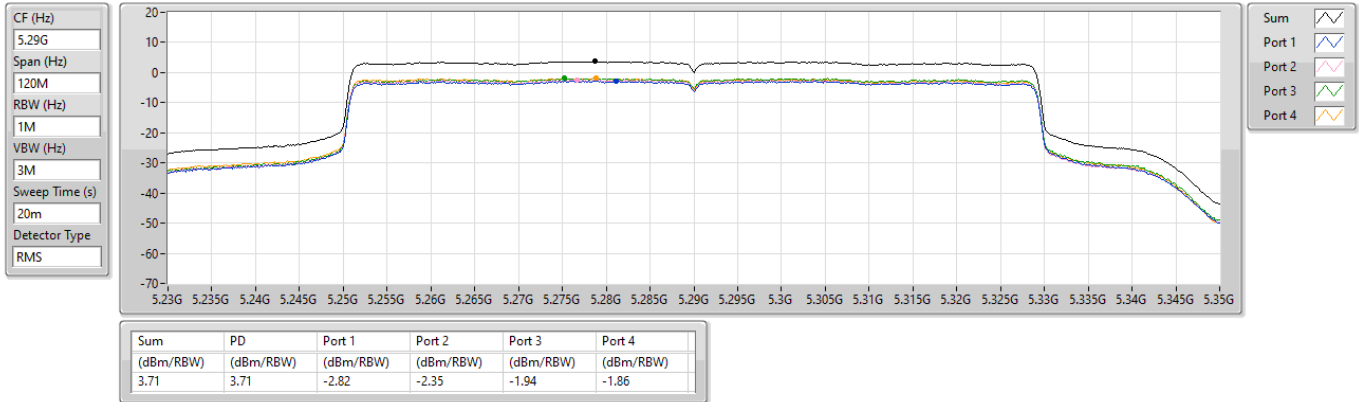
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
3.30	3.30	-3.08	-2.65	-2.19	-2.43

5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

20/09/2024

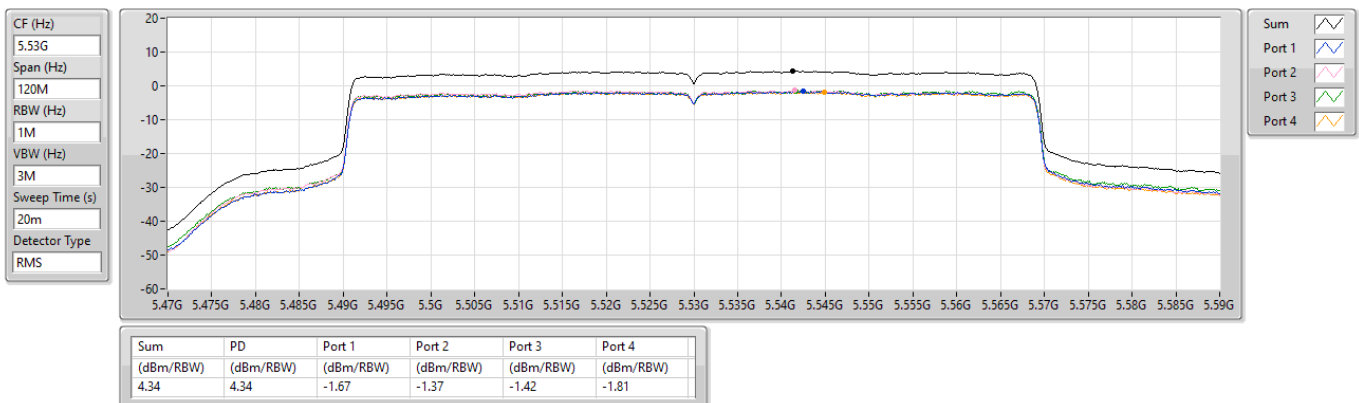


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5530MHz

20/09/2024



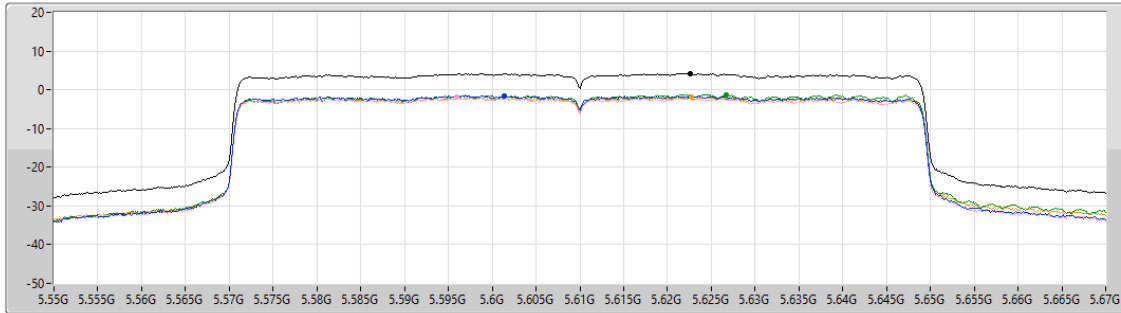
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5610MHz

20/09/2024

CF (Hz)
5.61G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.21	4.21	-1.52	-1.99	-1.30	-1.93

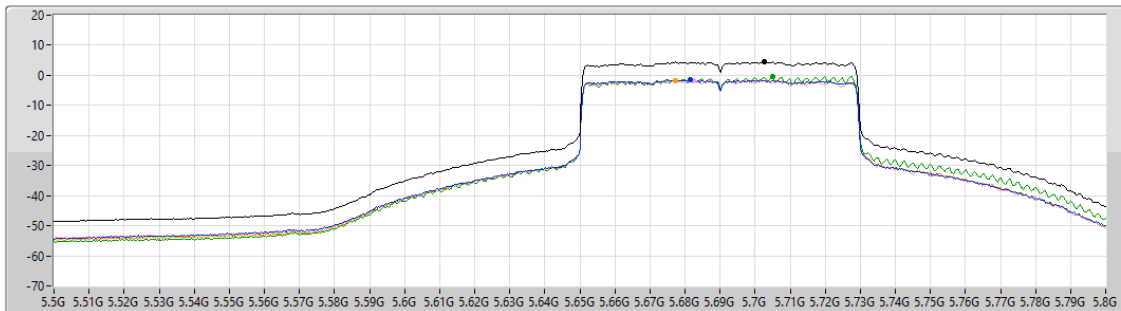
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

20/09/2024

CF (Hz)
5.65G
Span (Hz)
300M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

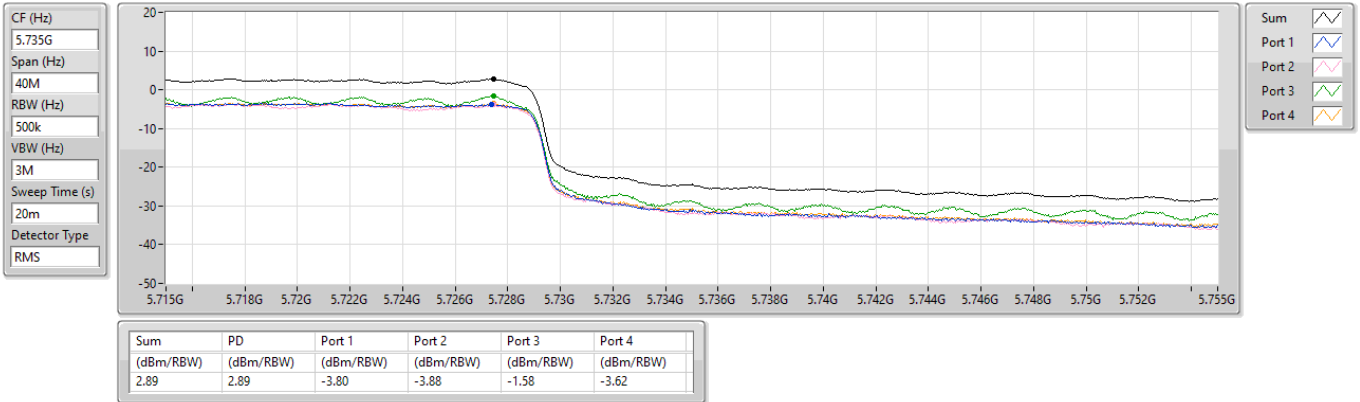
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.53	4.53	-1.54	-1.74	-0.47	-1.65

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

20/09/2024

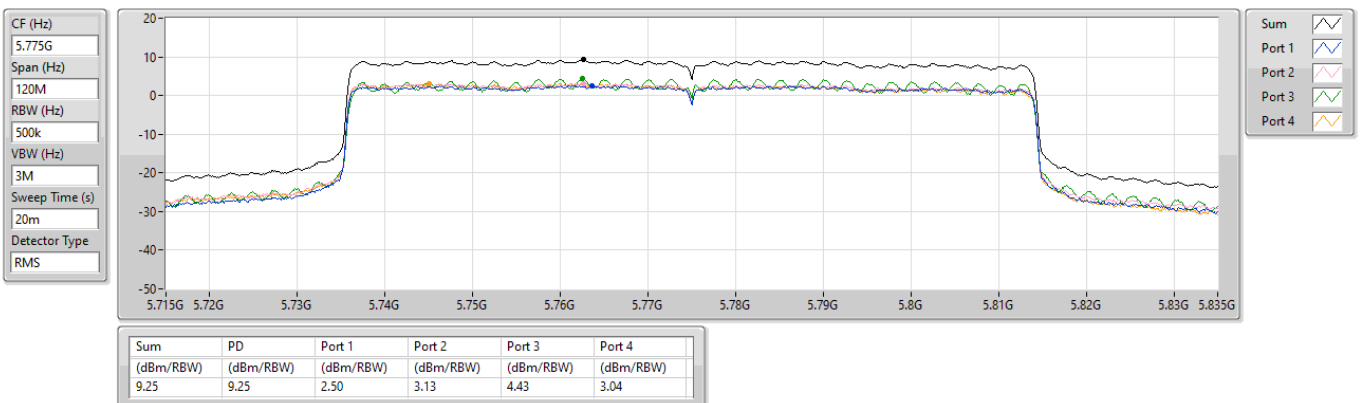


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

20/09/2024

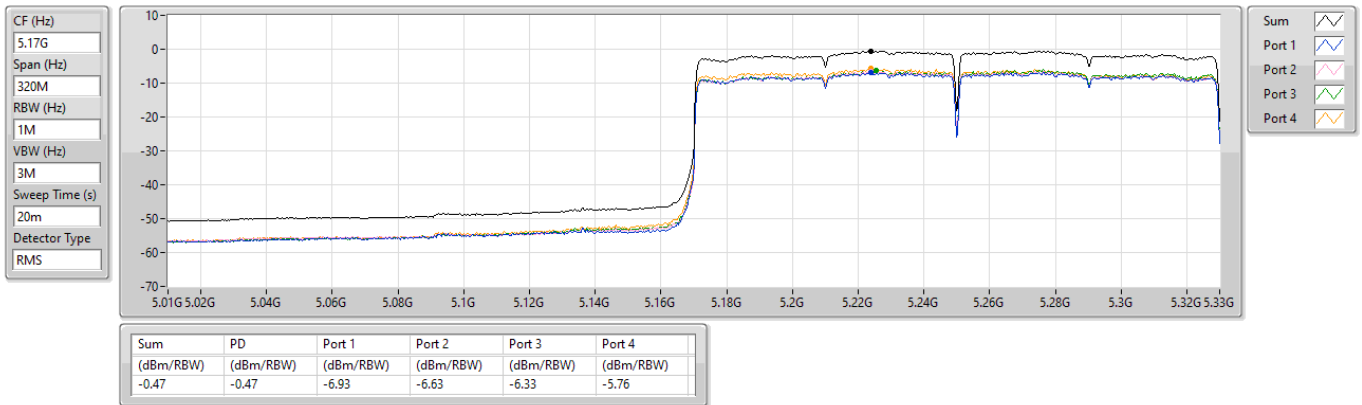


5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

20/09/2024

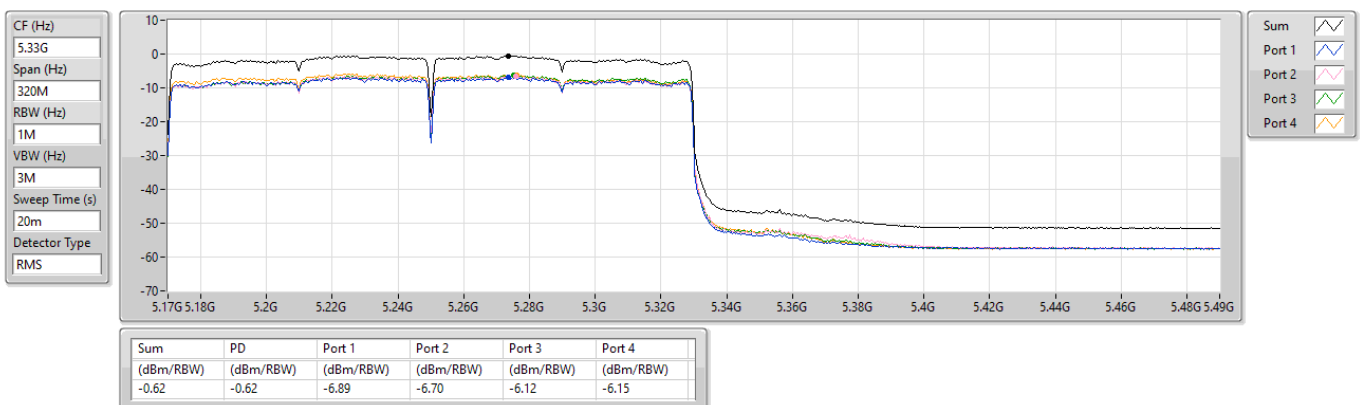


5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

20/09/2024



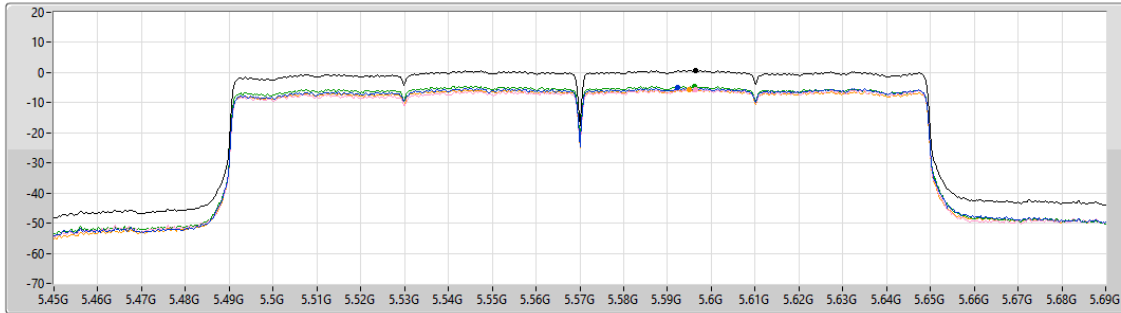
5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5570MHz

26/09/2024

CF (Hz)
5.57G
Span (Hz)
240M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
0.74	0.74	-5.04	-5.54	-4.45	-5.65

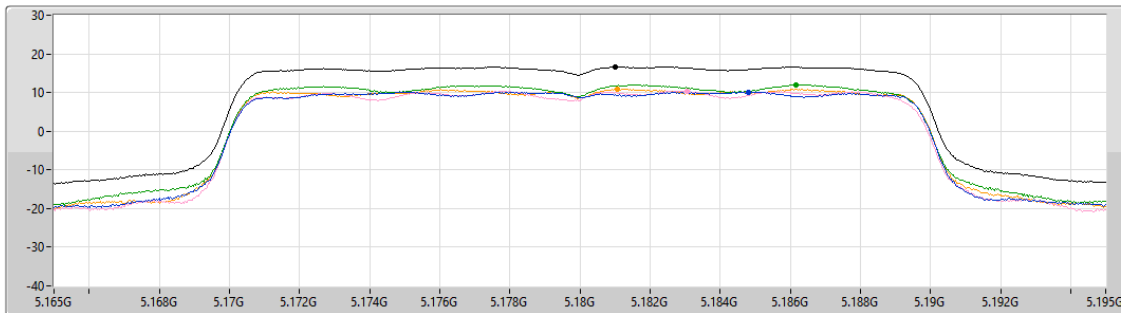
5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

26/09/2024

CF (Hz)
5.18G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

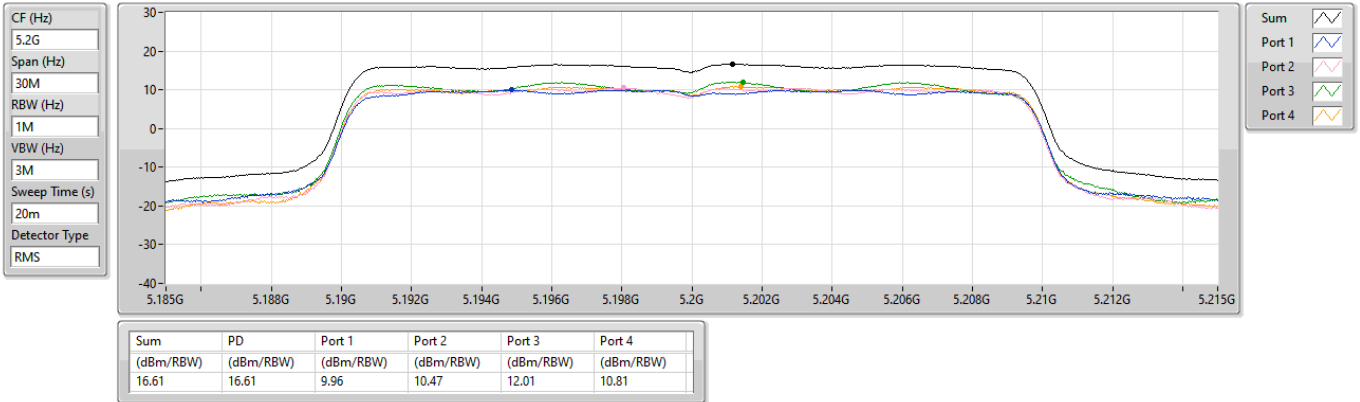
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
16.61	16.61	10.17	10.41	12.04	10.94

5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

26/09/2024

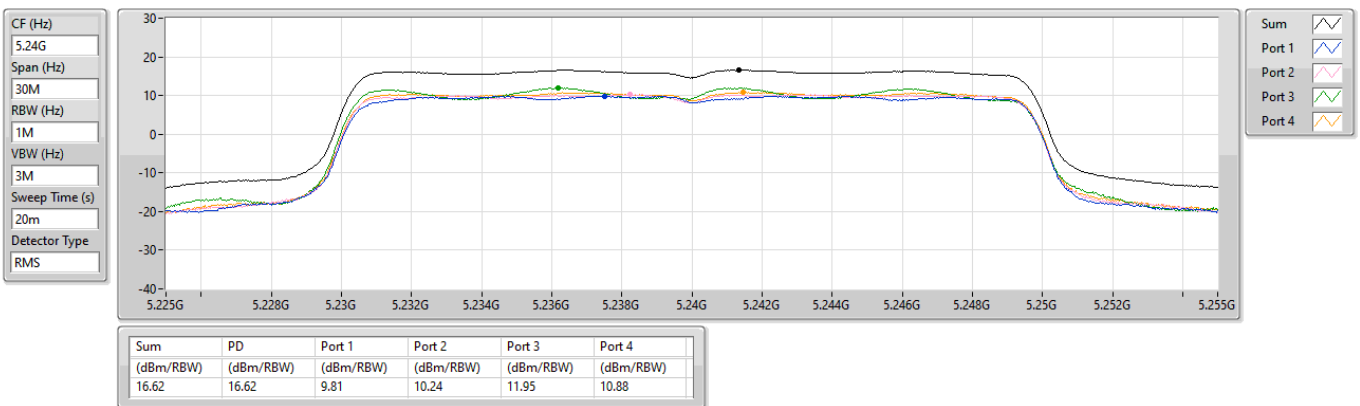


5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

26/09/2024



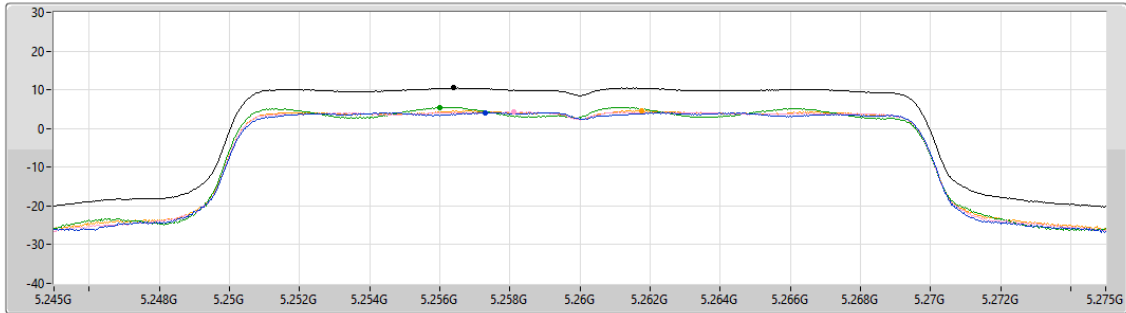
5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

26/09/2024

CF (Hz)
5.26G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.52	10.52	4.10	4.26	5.51	4.58

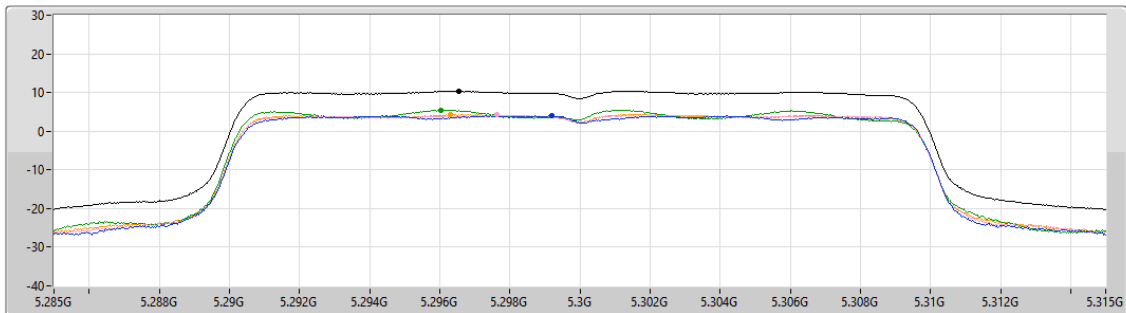
5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

26/09/2024

CF (Hz)
5.3G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.34	10.34	4.01	4.17	5.50	4.33

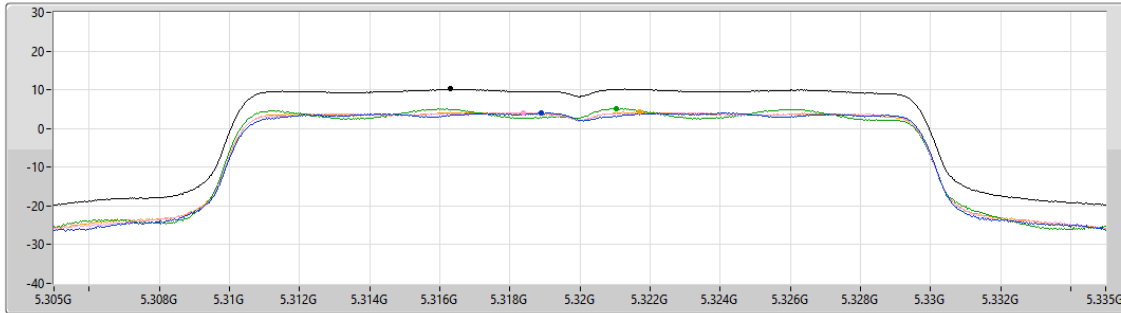
5.25-5.35GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

26/09/2024

CF (Hz)
5.32G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.18	10.18	4.03	4.07	5.20	4.19

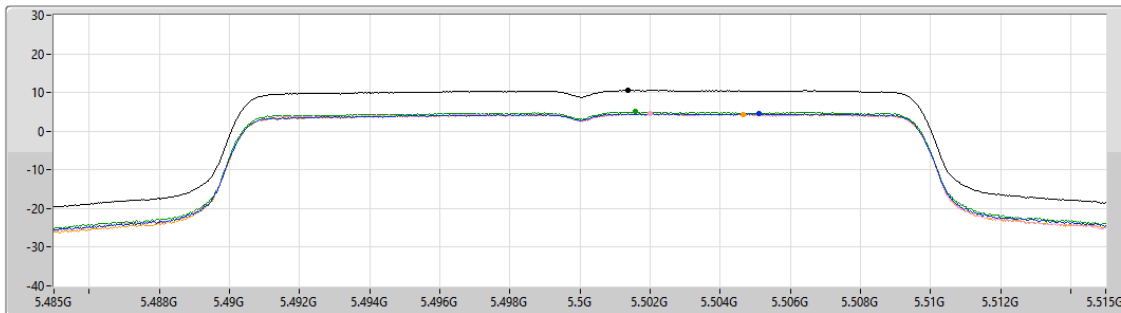
5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

26/09/2024

CF (Hz)
5.5G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



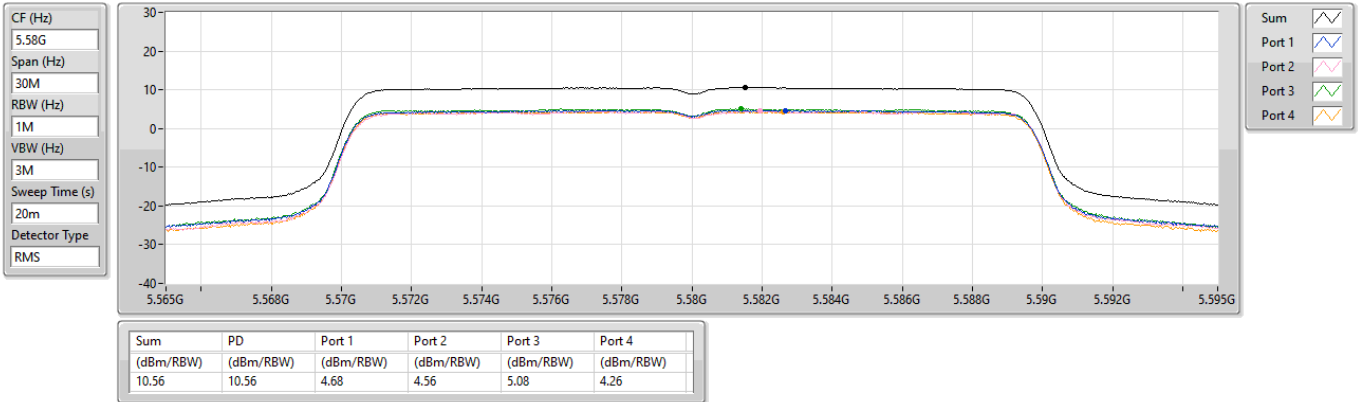
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.53	10.53	4.53	4.50	4.99	4.40

5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

26/09/2024

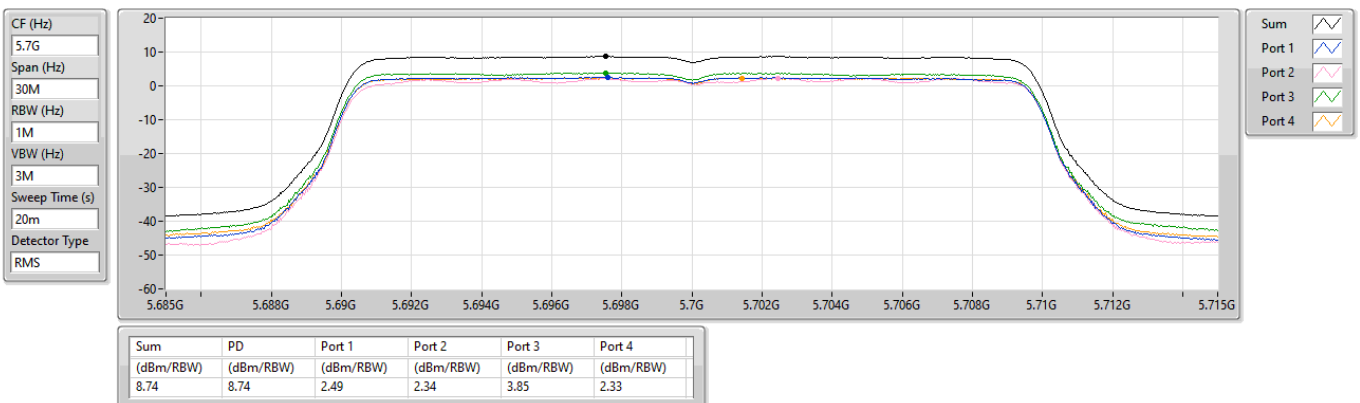


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

26/09/2024

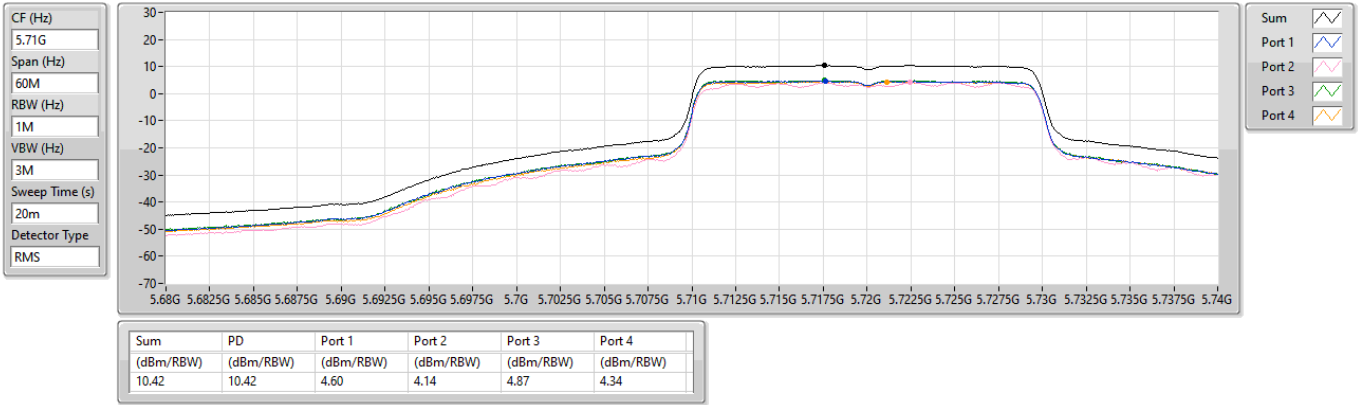


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

26/09/2024

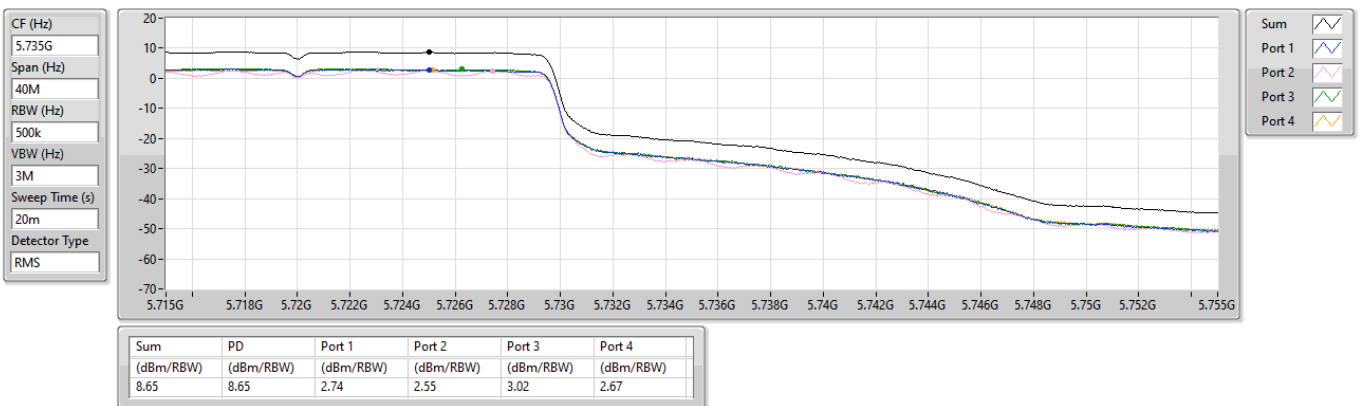


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

26/09/2024



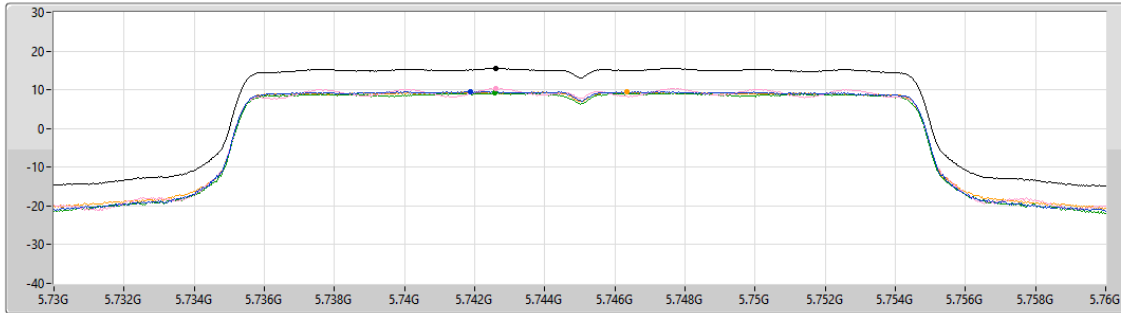
5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

26/09/2024

CF (Hz)
5.745G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
15.54	15.54	9.50	10.37	9.15	9.45

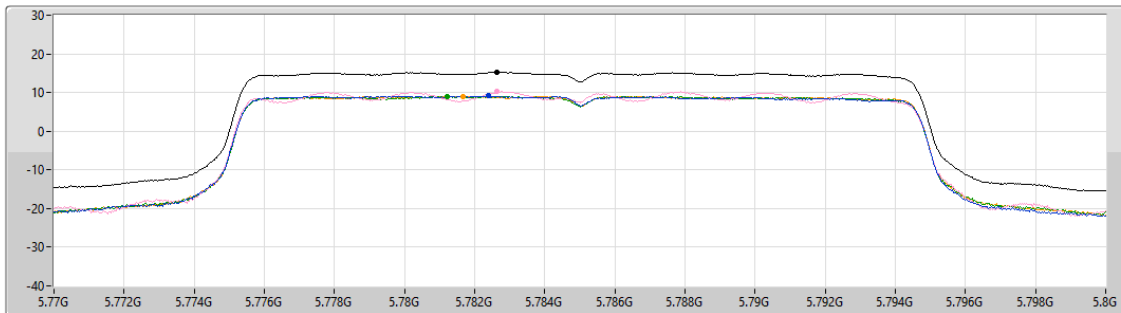
5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

26/09/2024

CF (Hz)
5.785G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



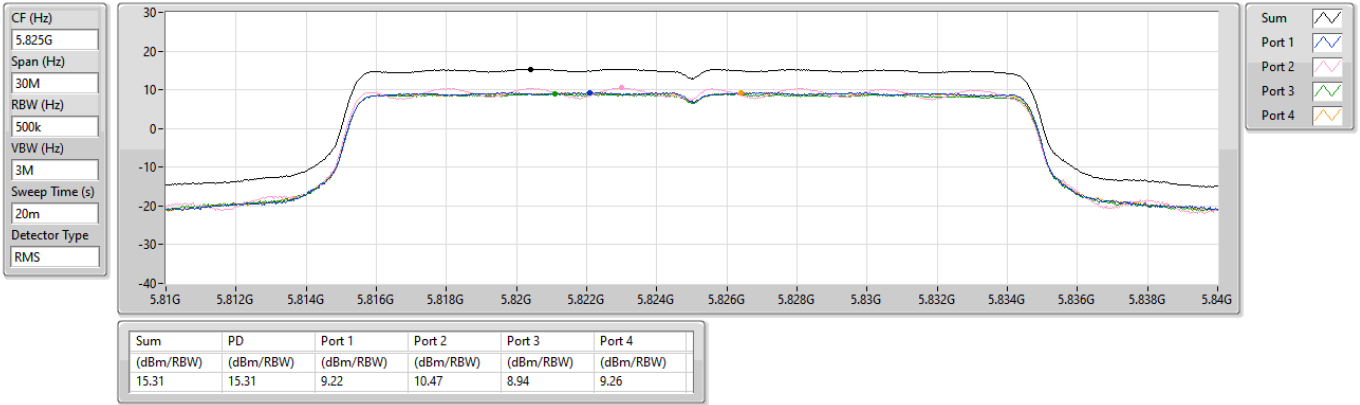
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
15.25	15.25	9.10	10.26	9.03	9.06

5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

26/09/2024

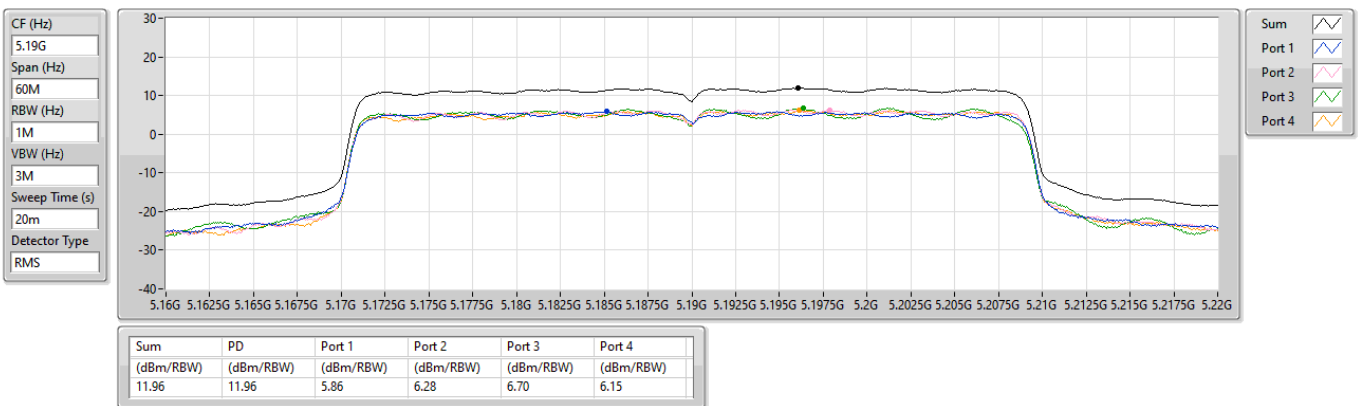


5.15-5.25GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

26/09/2024



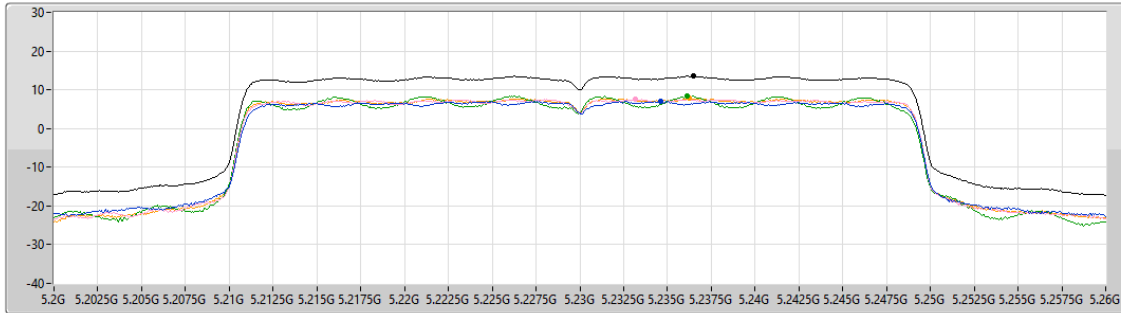
5.15-5.25GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

26/09/2024

CF (Hz)
5.23G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.53	13.53	7.02	7.55	8.44	7.72

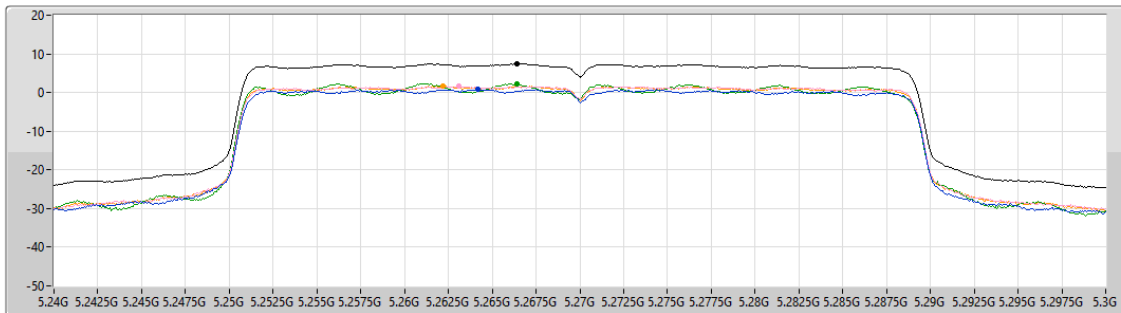
5.25-5.35GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

26/09/2024

CF (Hz)
5.27G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.51	7.51	0.80	1.58	2.32	1.62

5.25-5.35GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

26/09/2024

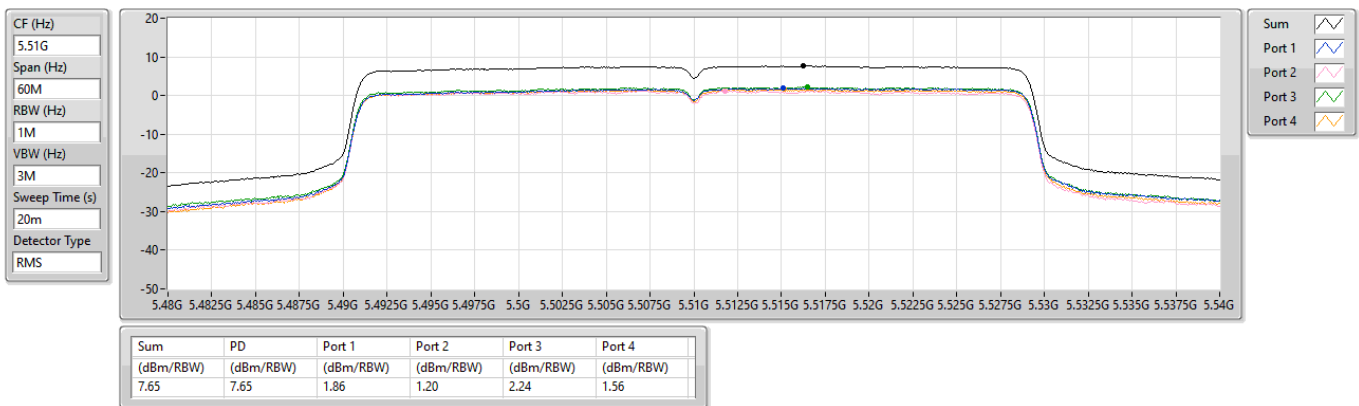


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

26/09/2024



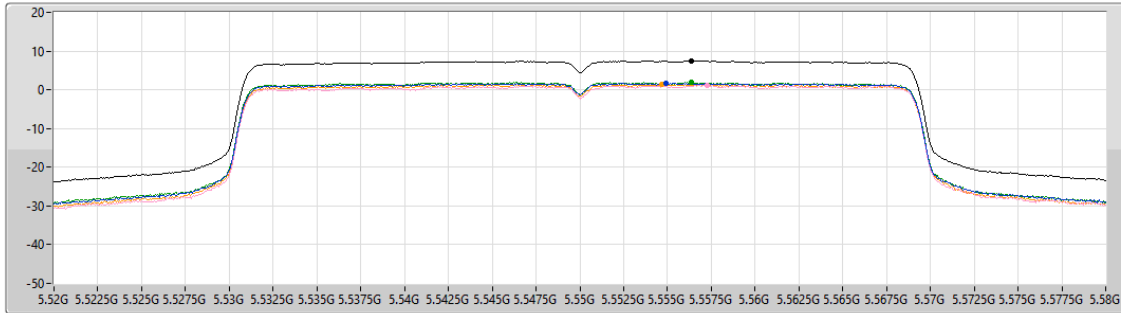
5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

26/09/2024

CF (Hz)
5.55G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.45	7.45	1.70	1.13	1.91	1.36

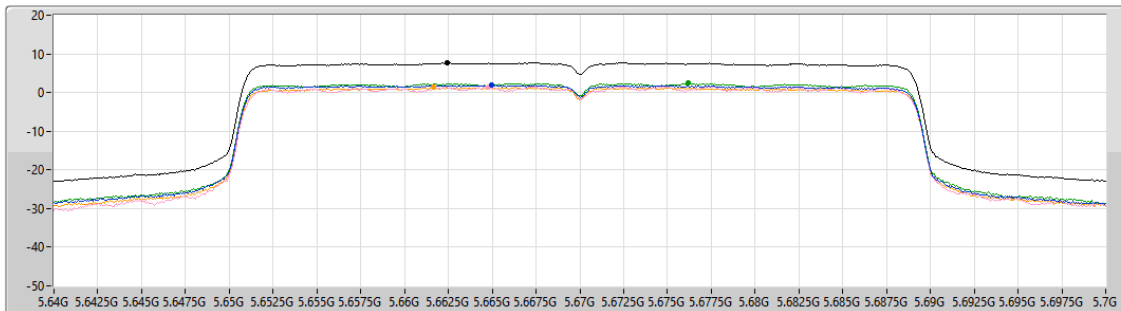
5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

26/09/2024

CF (Hz)
5.67G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

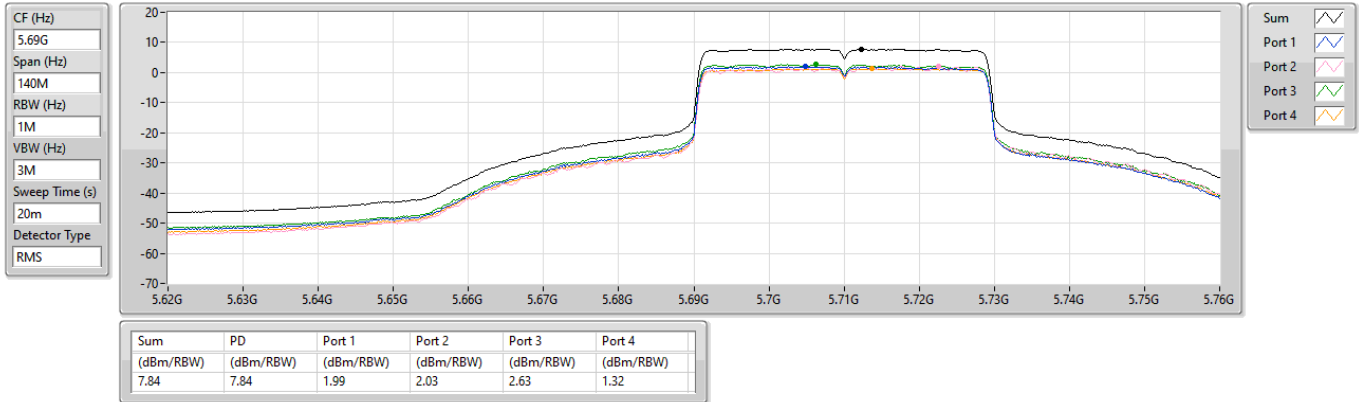
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.67	7.67	1.87	1.52	2.37	1.29

5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

26/09/2024

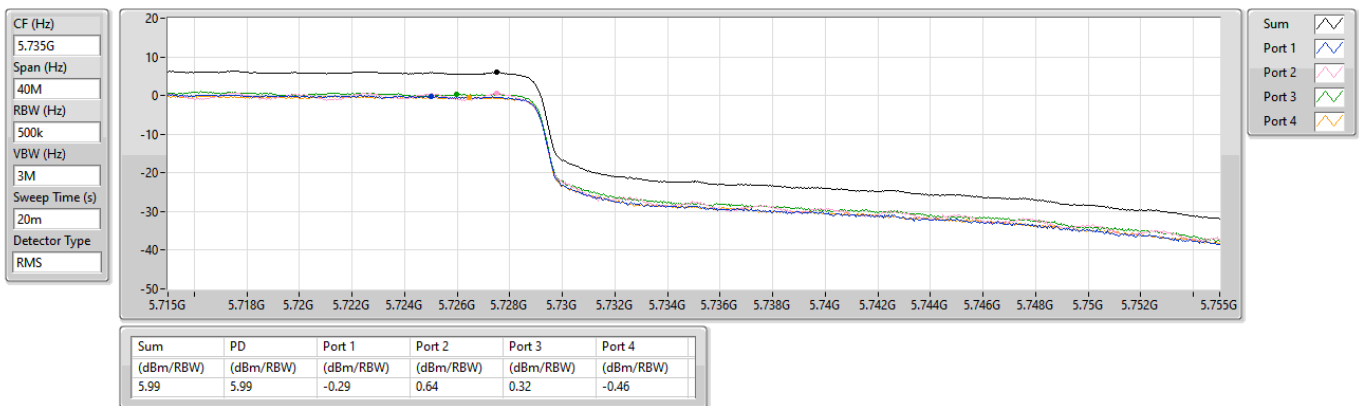


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

26/09/2024

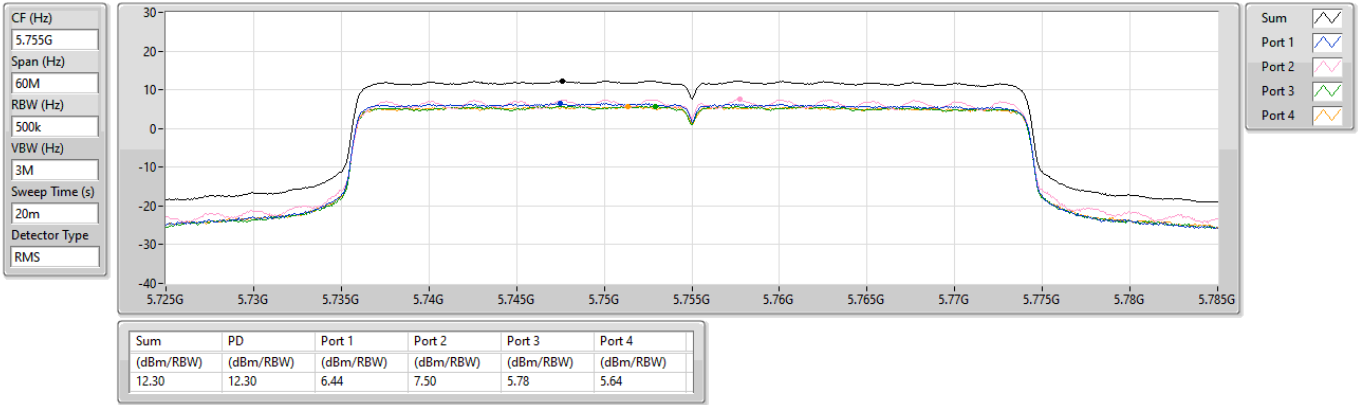


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

26/09/2024

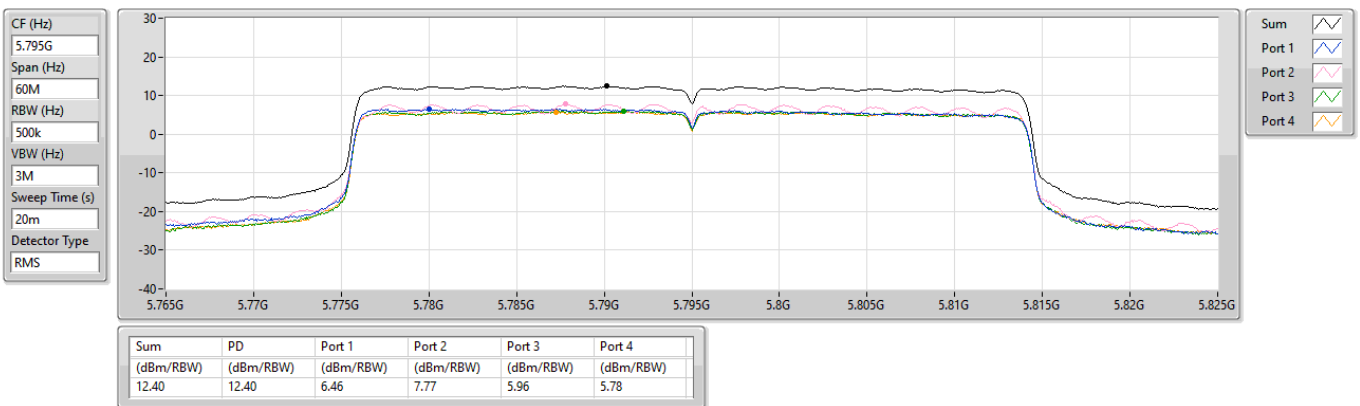


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

26/09/2024

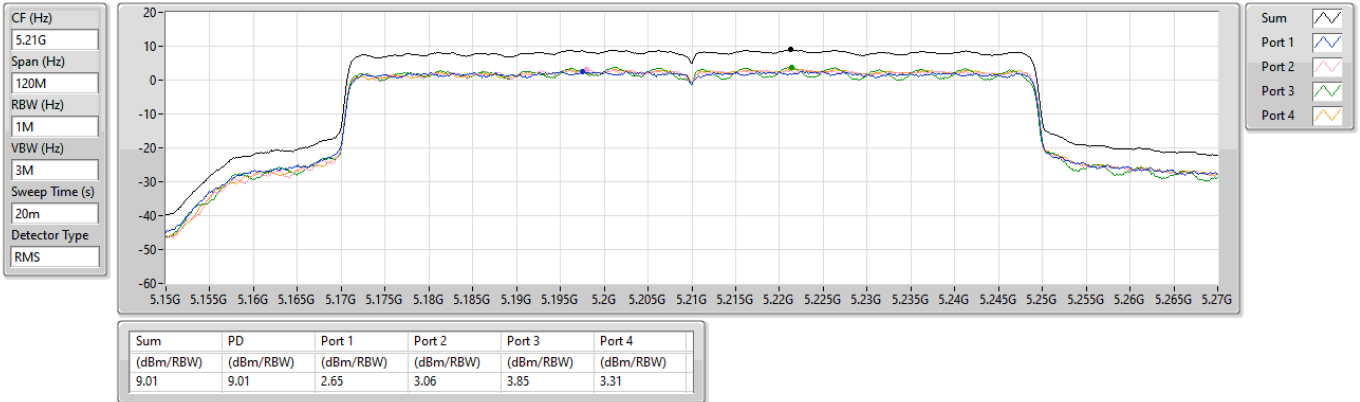


5.15-5.25GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

26/09/2024

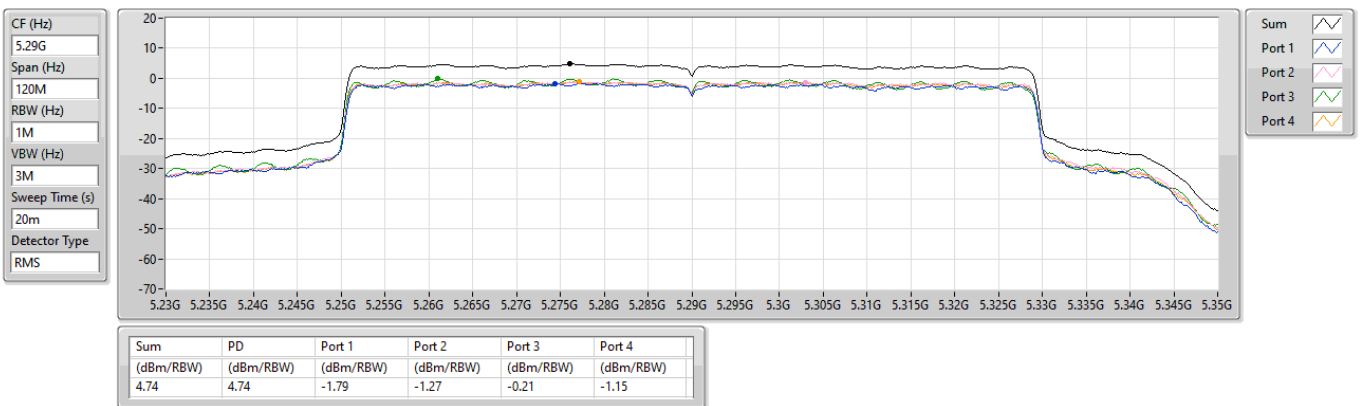


5.25-5.35GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

26/09/2024

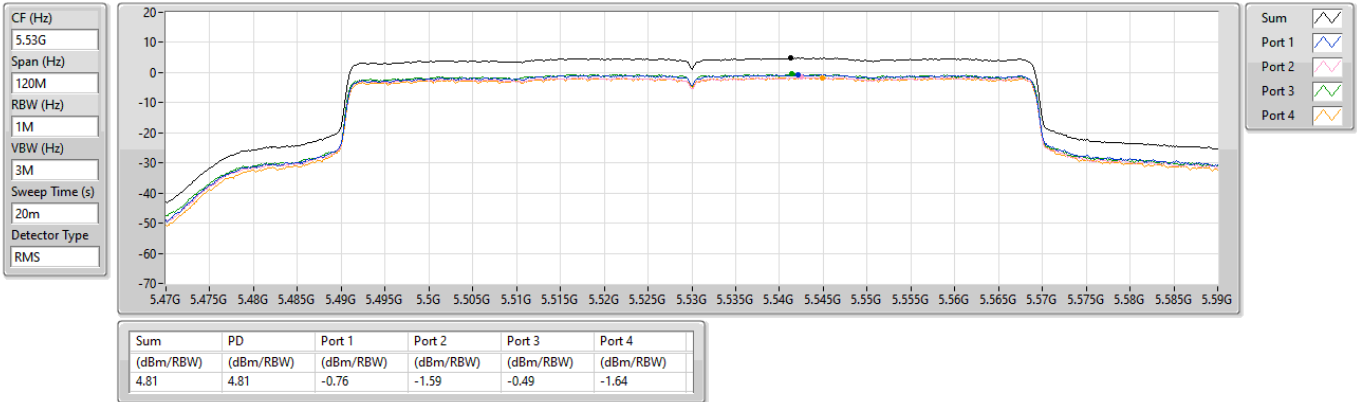


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

26/09/2024

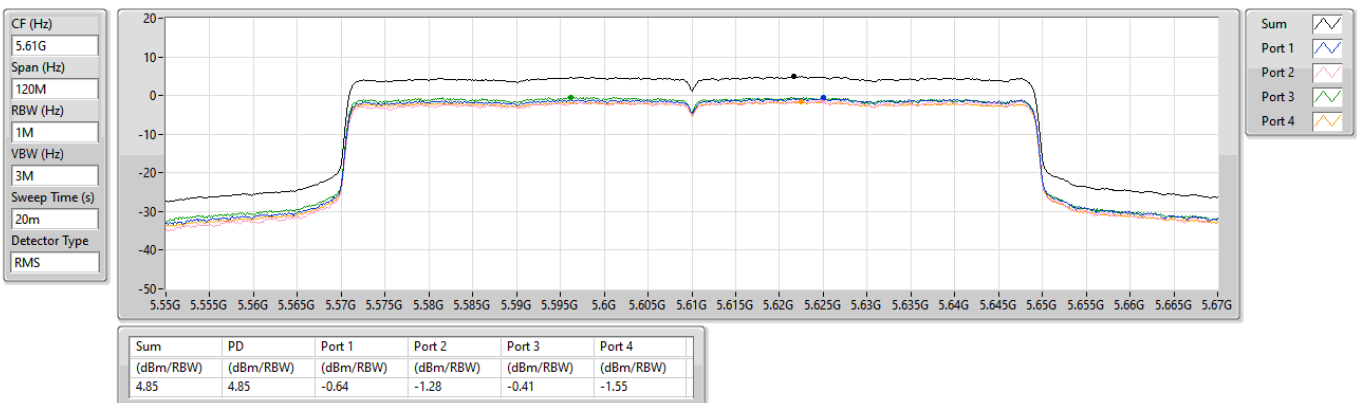


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

26/09/2024

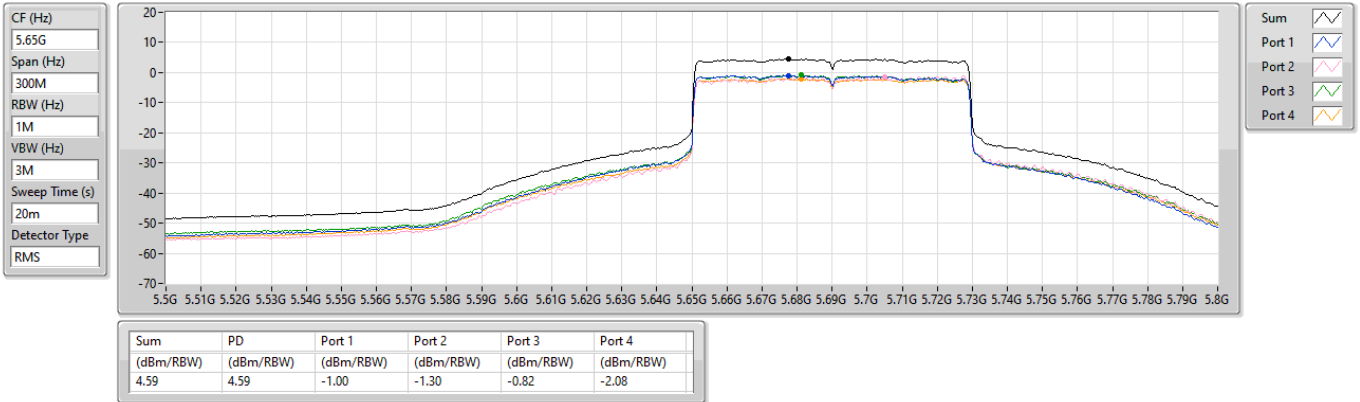


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

26/09/2024

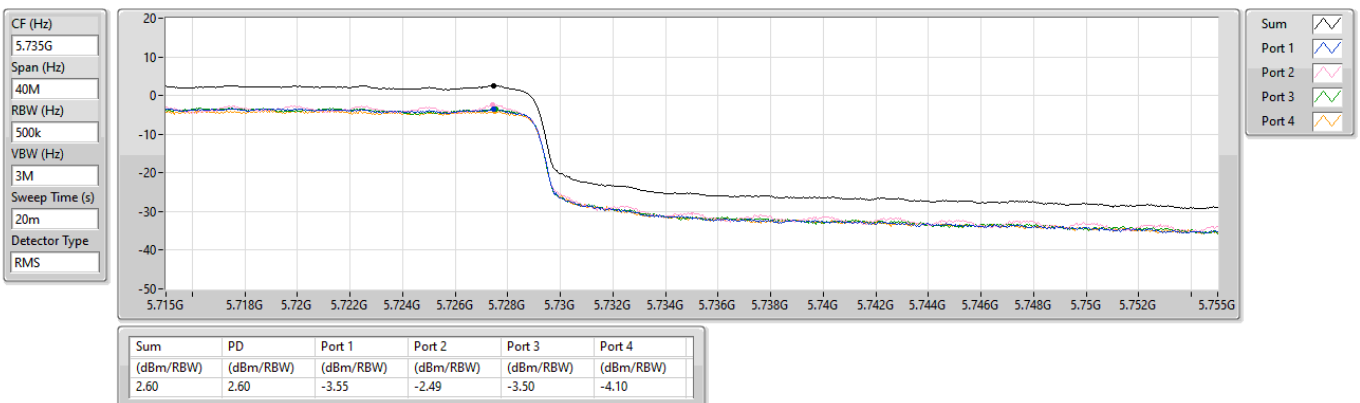


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

26/09/2024

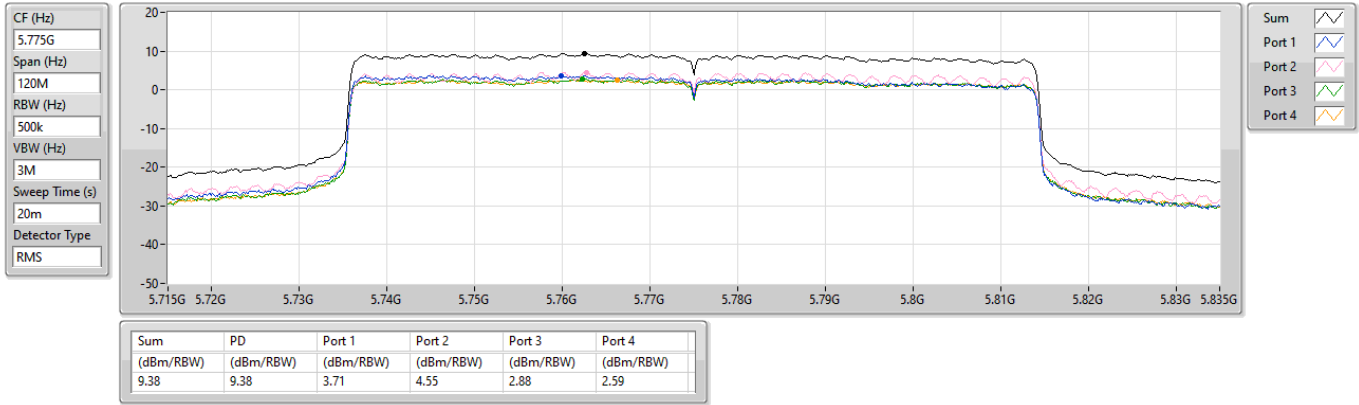


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

26/09/2024

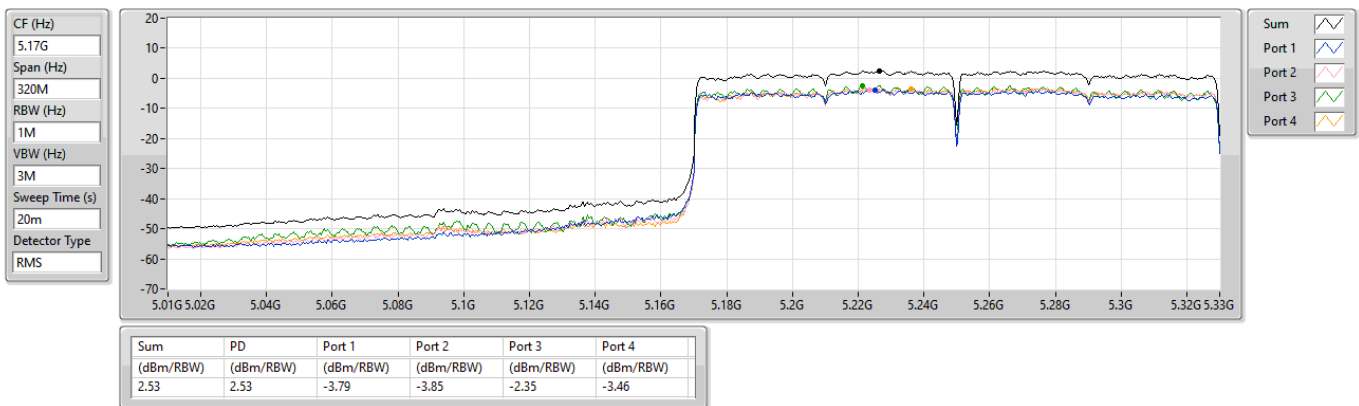


5.15-5.25GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

26/09/2024

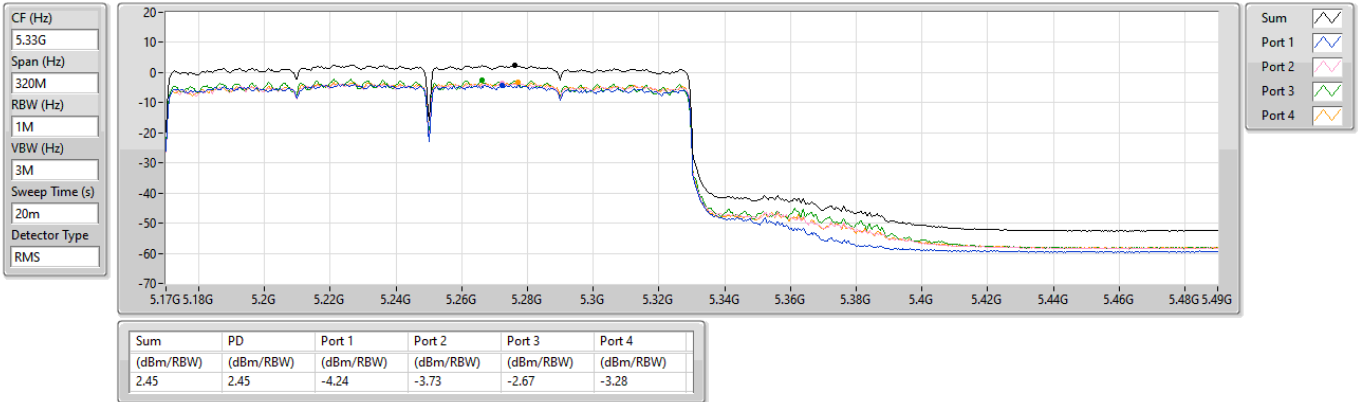


5.25-5.35GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

26/09/2024

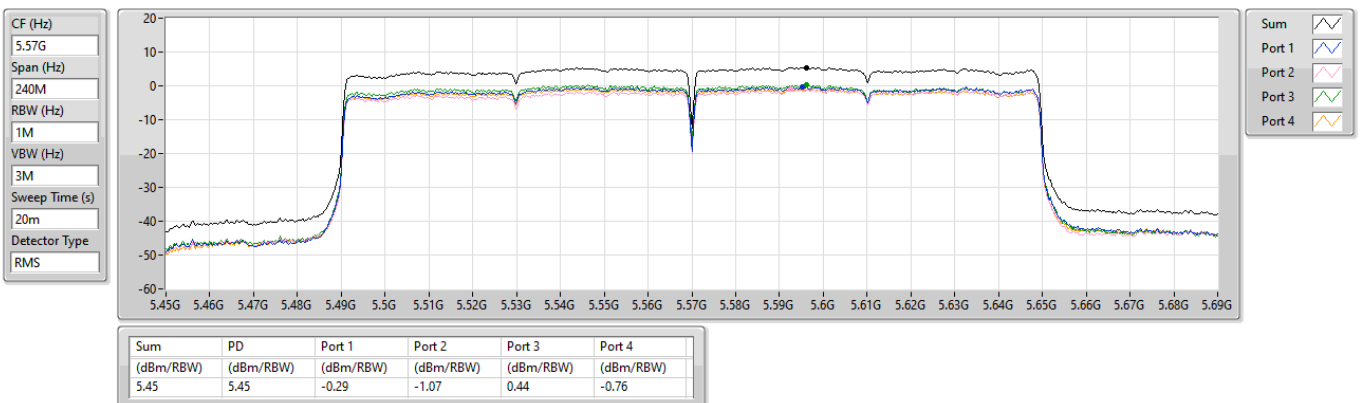


5.47-5.725GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5570MHz

26/09/2024





Radiated Emissions below 1GHz

Appendix E.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	31.94M	35.49	40.00	-4.51	Vertical