



RADIO TEST REPORT

FCC ID : 2AHKM-CODA5814Q
Equipment : DOCIS 3.1 Wi-Fi 6 EMTA Gateway
Brand Name : Hitron
Model Name : CODA5814Q, CODA5810Q, CODA5610Q
Applicant : Hitron Technologies Inc.
No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park,
Hsinchu 30078, Taiwan
Manufacturer : Hitron Technologies Inc.
No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park,
Hsinchu 30078, Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 05, 2021, and testing was started from Oct. 13, 2021 and completed on Jan. 06, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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



Summary of Test Result

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

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



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
5.15-5.25GHz	802.11ax HEW80-BF	80	4TX
5.15-5.35GHz	802.11ac VHT160	160	4TX
5.15-5.35GHz	802.11ac VHT160-BF	160	4TX
5.15-5.35GHz	802.11ax HEW160	160	4TX
5.15-5.35GHz	802.11ax HEW160-BF	160	4TX
5.25-5.35GHz	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



Band	Mode	BWch (MHz)	Nant
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
5.47-5.725GHz	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
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



Band	Mode	BWch (MHz)	Nant
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 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)
1	1	Airgain	N03HTAFE-PK1-LA1X80BUR2	PCB Antenna	I-PEX	Note 1
2	2	Airgain	N03HTAFF-PK1-LB1X90BU	PCB Antenna	I-PEX	
3	3	Airgain	N03HTAFG-PK1-LG1X130BUR2	PCB Antenna	I-PEX	
4	4	Airgain	N03HTAFH-PK1-LW1X150BU	PCB Antenna	I-PEX	

Note 1:

Ant.	Port	Antenna Gain (dBi)				
		2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3
1	1	4.19	2.83	1.60	2.59	2.76
2	2	1.83	2.78	3.26	3.45	3.56
3	3	3.30	3.24	3.19	1.91	2.92
4	4	4.71	3.31	3.62	2.69	3.80
Directional Gain (dBi)						
		2.4GHz	UNII 1	UNII 2A	UNII 2C	UNII 3
4T1S		5.65	5.79	5.78	5.98	5.45
4T2S		4.71	3.31	3.62	3.45	3.80
4T4S		1.53	1.14	0.36	0.89	0.73

Note 2: The above information (brand / model name/ antenna type) was declared by the manufacturer.

Note 3:

WLAN 2.4GHz/5GHz(UNII 1 ~ UNII 3): The directional gain is measured which follows the procedure of KDB 662911 D03. The antenna report is provided in the operational description for this application.

Note 4: The EUT has four antennas.

For 2.4GHz function:

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

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

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

For 5GHz function:

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

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

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



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.951	0.22	1.978m	1k
802.11ax HEW20	0.823	0.85	5.446m	300
802.11ax HEW20-BF	0.85	0.71	1.762m	1k
802.11ax HEW40	0.824	0.84	5.447m	300
802.11ax HEW40-BF	0.869	0.61	1.762m	1k
802.11ax HEW80	0.883	0.54	5.447m	300
802.11ax HEW80-BF	0.89	0.51	1.686m	1k
802.11ax HEW160	0.852	0.7	5.449m	300
802.11ax HEW160-BF	0.87	0.6	1.888m	1k

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 11n/VHT/ax in 2.4GHz and 11n/ac/ax in 5GHz.			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	Non-beamforming: QSPR Version 5.0-00197 Beamforming: Dos[10.0.10586]			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

Model Name	Voice Interface	Case color of EUT
CODA5814Q	V	Black
CODA5810Q	X	Black
CODA5610Q	X	White

Note 1: From the above models, model: CODA5814Q were selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.



1.2 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	TH02-CB	Brian Sun	22.7~24.1 / 55~56	Oct. 27, 2021~ Jan. 06, 2022
Radiated (Below 1GHz)	03CH05-CB	Stim Sung	22.5-23.6 / 56-59	Dec. 30, 2021
Radiated (Above 1GHz)	03CH01-CB	Bruce Yang	23.5-24.6 / 55-59	Oct. 13, 2021~ Dec. 30, 2021
	03CH02-CB		24.2-26.1 / 55-58	
	03CH06-CB		24.5-25.6 / 56-59	
Radiated (Radiated Emission Co-location)	03CH05-CB	Bruce Yang	22.5-23.6 / 56-59	Oct. 13, 2021~ Dec. 30, 2021
AC Conduction	CO01-CB	Peter Wu	21~22 / 56~58	Jan. 03, 2022



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)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

<For Non-beamforming>

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	21
5200MHz	21
5240MHz	21
5260MHz	16.5
5300MHz	16.5
5320MHz	16.5
5500MHz	17
5580MHz	17.5
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	16
5720MHz Straddle 5.725-5.85GHz	16
5745MHz	22.5
5785MHz	23.5
5825MHz	23.5
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	20.5
5200MHz	21.5
5240MHz	21
5260MHz	17
5300MHz	17
5320MHz	17
5500MHz	17.5
5580MHz	18
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
5745MHz	22.5
5785MHz	23
5825MHz	23.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	16
5230MHz	21.5
5270MHz	17
5310MHz	17



Mode	Power Setting
5510MHz	17.5
5550MHz	17.5
5670MHz	17.5
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	
5755MHz	22.5
5795MHz	23
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	15
5290MHz	16
5530MHz	17.5
5610MHz	18
5690MHz Straddle 5.47-5.725GHz	17.5
5690MHz Straddle 5.725-5.85GHz	17.5
5775MHz	20.5
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	17
5250MHz Straddle 5.25-5.35GHz	17
5570MHz	18

**<For Beamforming>**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	25
5200MHz	26
5240MHz	27
5260MHz	23
5300MHz	23
5320MHz	23
5500MHz	23
5580MHz	23
5700MHz	23
5720MHz Straddle 5.47-5.725GHz	23
5720MHz Straddle 5.725-5.85GHz	23
5745MHz	28
5785MHz	28
5825MHz	29
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	23
5230MHz	27
5270MHz	23
5310MHz	20
5510MHz	23
5550MHz	23
5670MHz	23
5710MHz Straddle 5.47-5.725GHz	23
5710MHz Straddle 5.725-5.85GHz	23
5755MHz	28
5795MHz	28
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	21
5290MHz	20
5530MHz	23
5610MHz	23
5690MHz Straddle 5.47-5.725GHz	23
5690MHz Straddle 5.725-5.85GHz	23
5775MHz	27
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	22
5250MHz Straddle 5.25-5.35GHz	22



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Mode	Power Setting
5570MHz	22

Note:

Evaluated HEW20/HEW40/HEW80/HEW160 mode only ° due to similar modulation, The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160 mode are 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	Normal Link
1	EUT

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	Normal Link
1	EUT in Y axis
2	EUT in X axis
3	EUT in Z axis
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at Y axis, X axis and Z axis position, and the worst case as below:
1	EUT in Y axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
	The EUT was performed at Y axis, X axis and Z axis position. After evaluation, "Y axis" generated the worst test result from Unwanted Emissions above 1GHz, so the measurement will follow this same test configuration.
Operating Mode	Normal Link
1	EUT in Y axis + WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA193028 for Co-location RF Exposure Evaluation.	

Note: The Adapter below is for measurement only, would not be marketed.

The Adapter information as below:

Support Unit	Brand	Model Name
Adapter	Frecom	F60X-120450SPA

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

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

The program was executed as follows:

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

For Normal Link Mode:

During the test, the EUT operation to normal function.



2.4 Accessories

Power	Brand	Model	Rating
Adapter	MOSO	MS-V4000R120-050A0-US	Input: 100-240V~, 50/60Hz, 1.3A max. Output: 12.0V, 4.0A
Others			
Coaxial cable*1: Shielded 1.0m			
RJ-45 cable*1: Non-shielded, 1.5m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Phone1	SAMPO	HT-B 907WL	N/A
B	Phone2	SAMPO	HT-B 907WL	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	WAN NB	DELL	E6430	N/A
F	CO (Terminal System)	hitron	RAC-500	N/A
G	LAN NB	DELL	E6430	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Phone 1	SAMPO	HT-B 907WL	N/A
B	Phone 2	SAMPO	HT-B 907WL	N/A
C	NB	DELL	E4300	N/A
D	NB	DELL	E4300	N/A
E	CO (Terminal System)	hitron	RAC-500	N/A
F	NB	DELL	E4300	N/A
G	NB	DELL	E4300	N/A

**<For Non beamforming> Radiated (above 1GHz) and RF Conducted:**

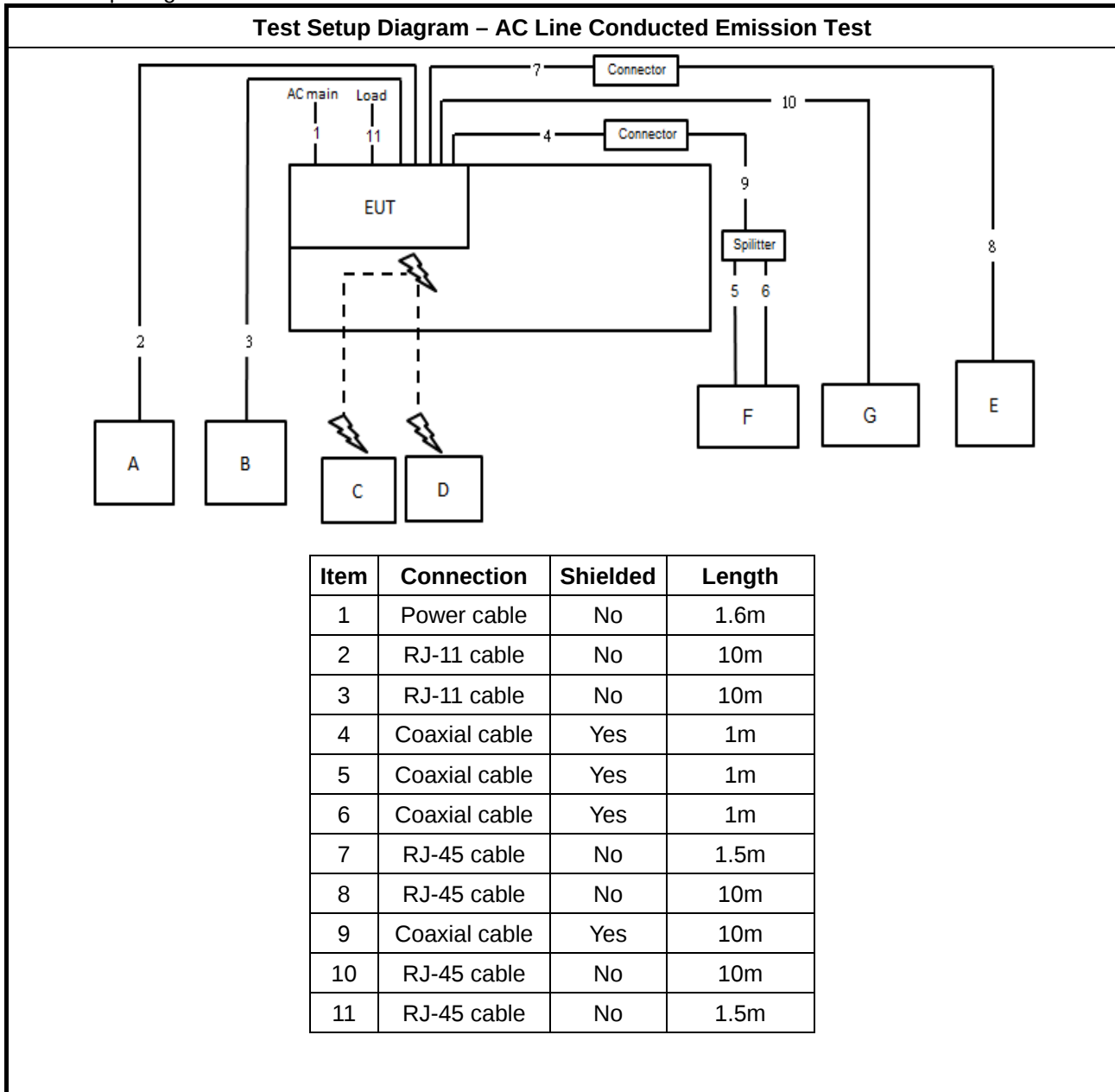
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Adapter	Frecom	F60X-120450SPA	N/A

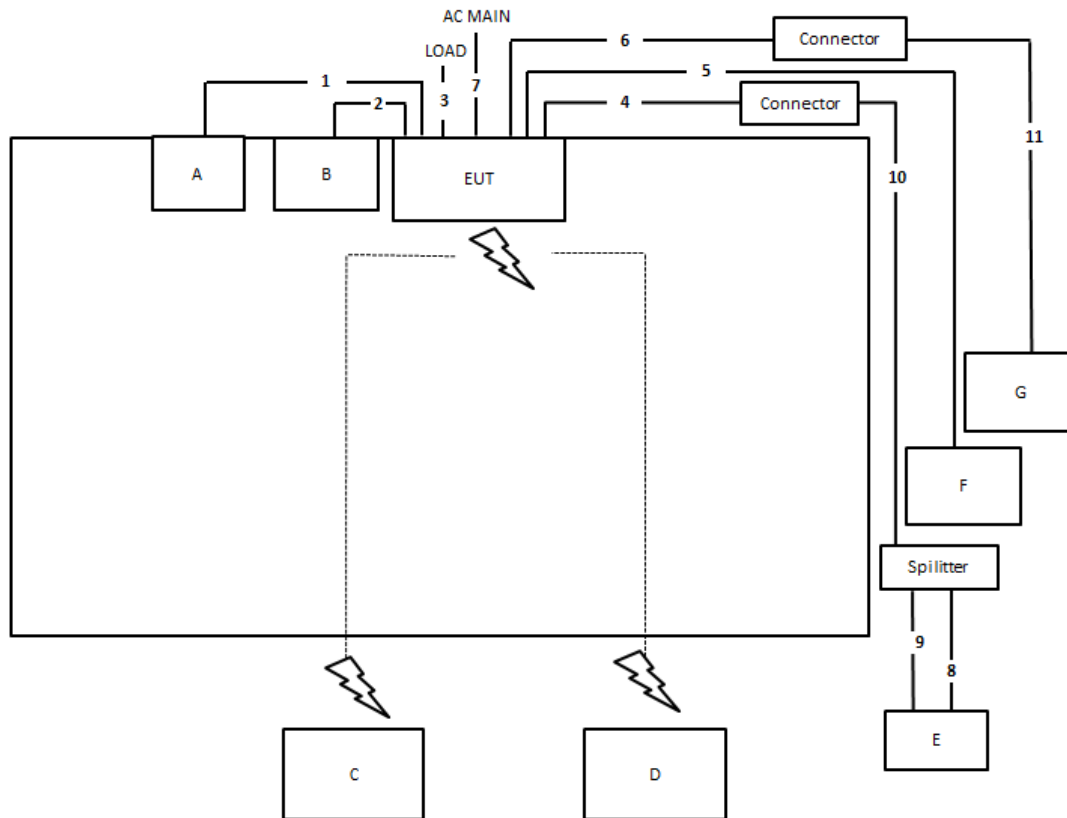
<For Beamforming> Radiated (above 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	WLAN module	Intel	AX210NGW	PD9AX210NG
C	NB	DELL	E4300	N/A
D	Adapter	Frecom	F60X-120450SPA	N/A

<For Beamforming> RF Conducted:

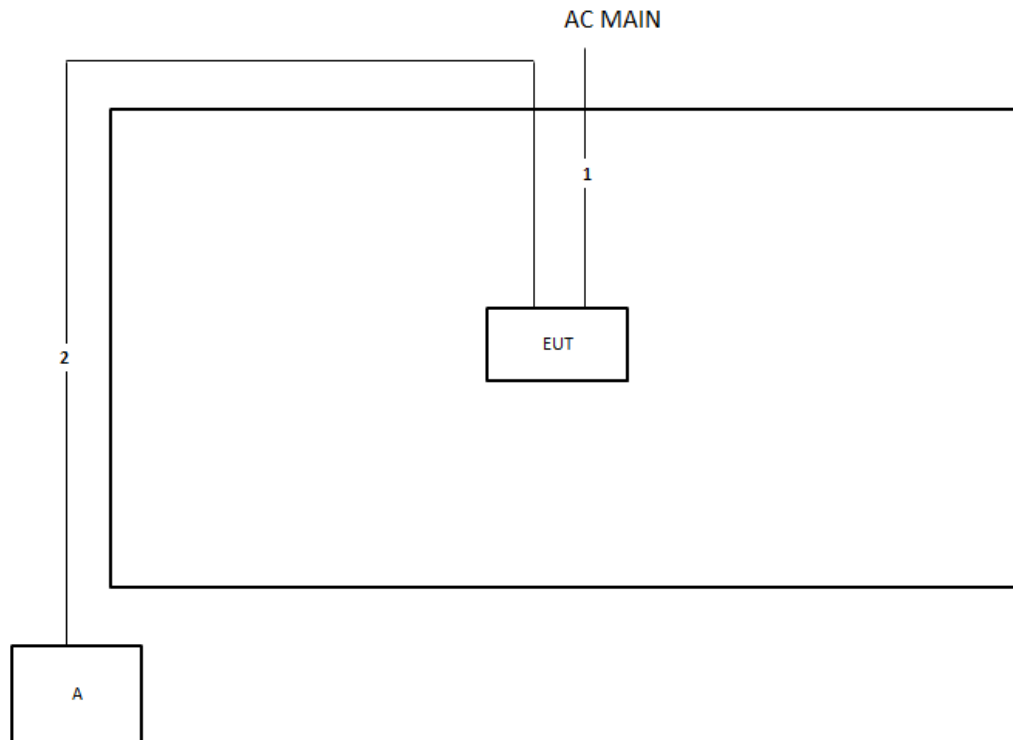
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	WLAN module	Intel	AX210NGW	PD9AX210NG
D	Adapter	Frecom	F60X-120450SPA	N/A

Test Setup Diagram


Test Setup Diagram - Radiated Test < 1GHz


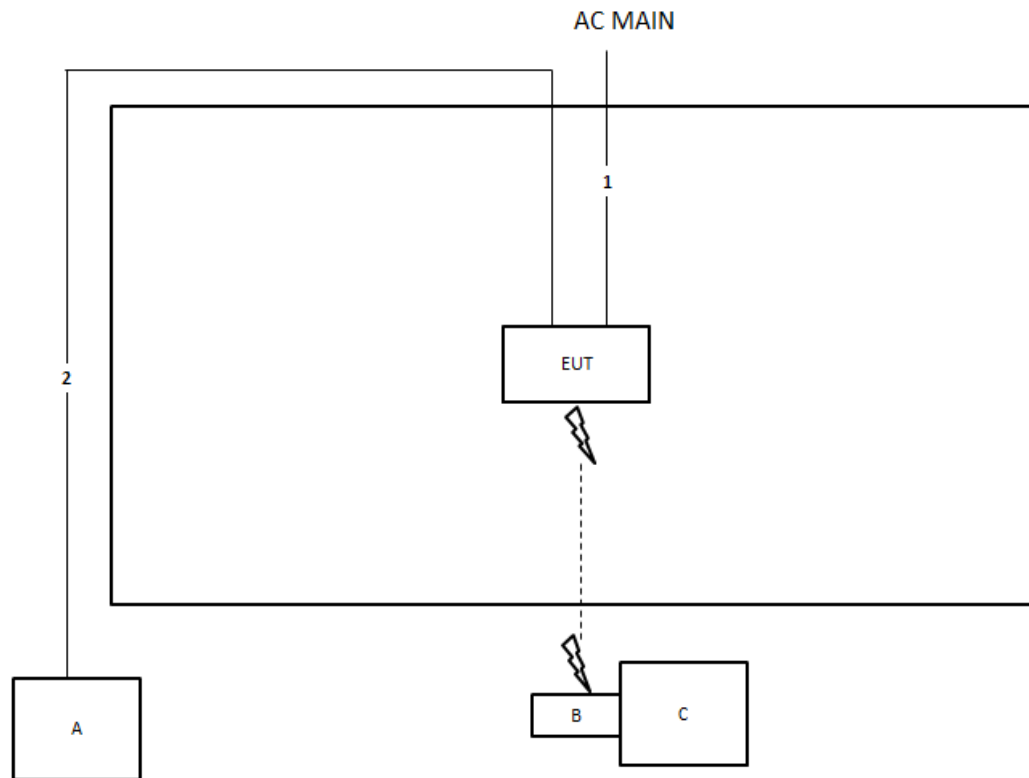
Item	Connection	Shielded	Length
1	RJ-11 cable	No	2m
2	RJ-11 cable	No	2m
3	RJ-45 cable	No	1.5m
4	Coaxial cable	Yes	1m
5	RJ-45 cable	No	10m
6	RJ-45 cable	No	1.5m
7	Power cable	No	1.6m
8	Coaxial cable	Yes	1m
9	Coaxial cable	Yes	1m
10	Coaxial cable	Yes	10m
11	RJ-45 cable	No	10m

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



Item	Connection	Shielded	Length
1	Power cable	No	2.7m
2	RJ-45 cable	No	10m

**Test Setup Diagram - Radiated Test > 1GHz
<For beamforming>**



Item	Connection	Shielded	Length
1	Power cable	No	2.7m
2	RJ-45 cable	No	10m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

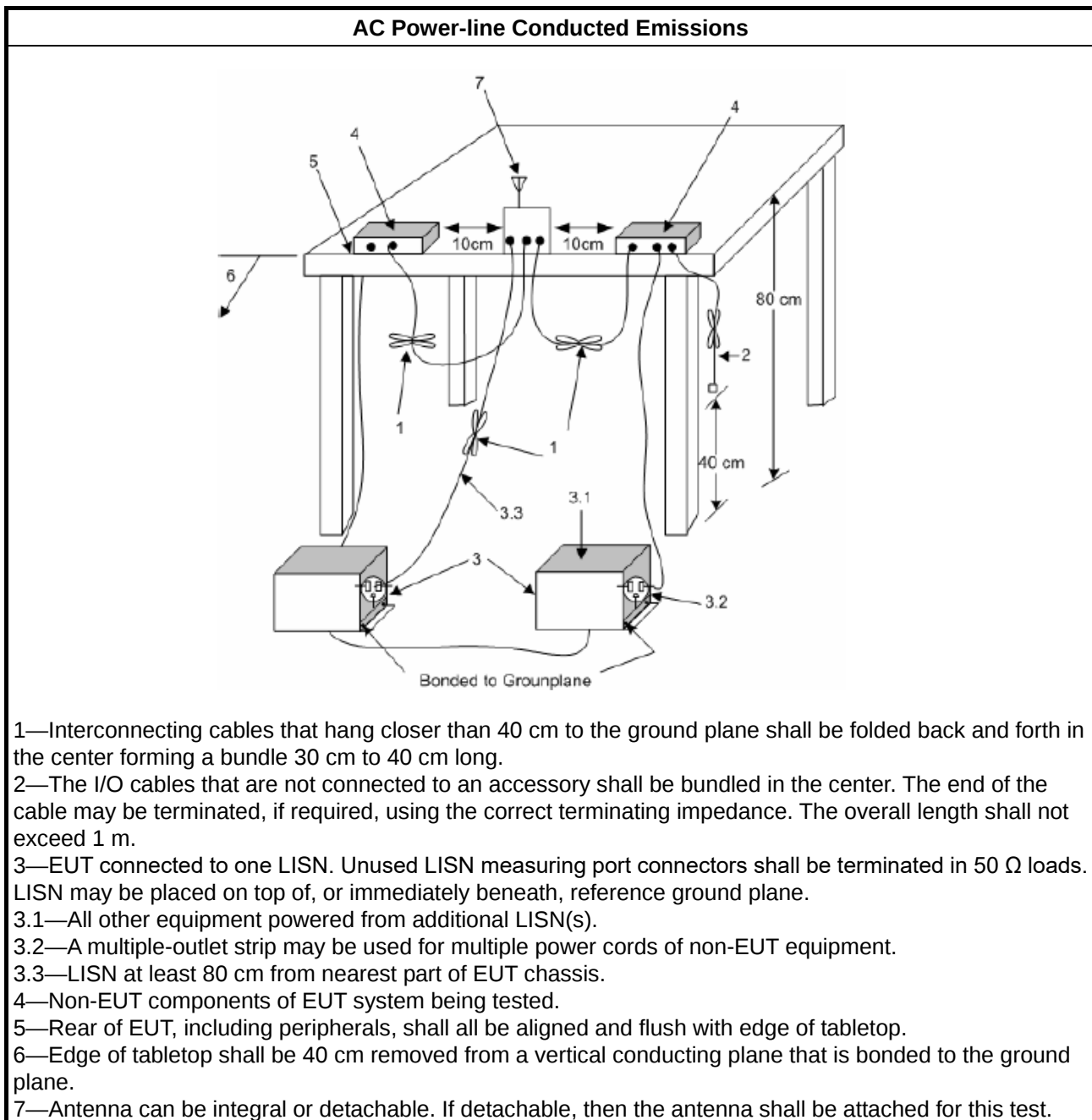
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ 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 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 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
☐	For the 5.85-5.895 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
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 $\geq$ 500kHz.

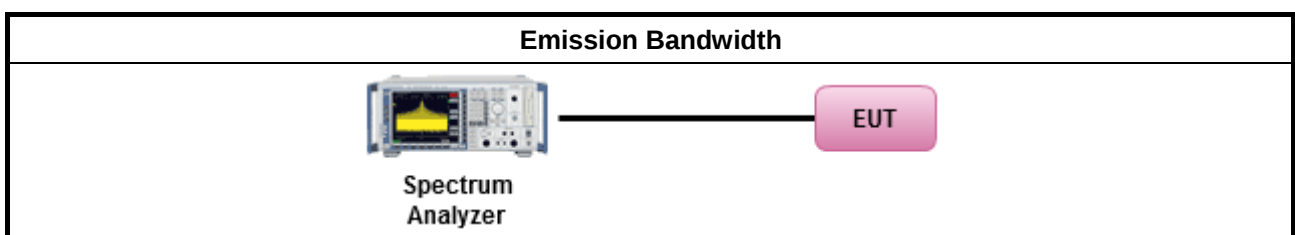
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
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.
Maximum EIRP Limit	
☐ For the 5.85-5.895 GHz band:	
☐	- Indoor AP & subordinate device < 36 dBm - Client device < 30 dBm
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, 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:	
☐	- 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

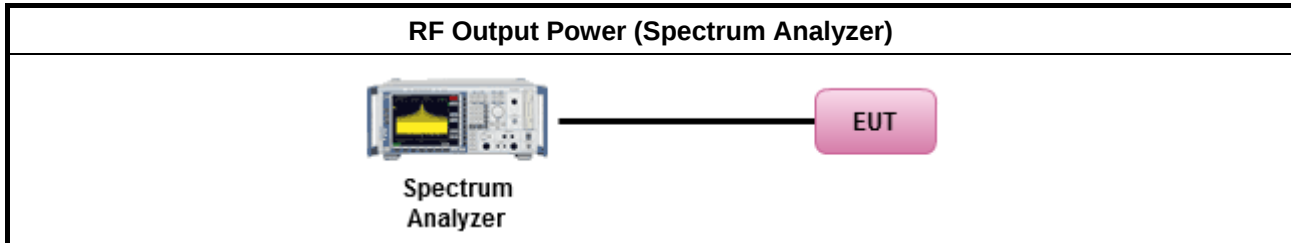
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

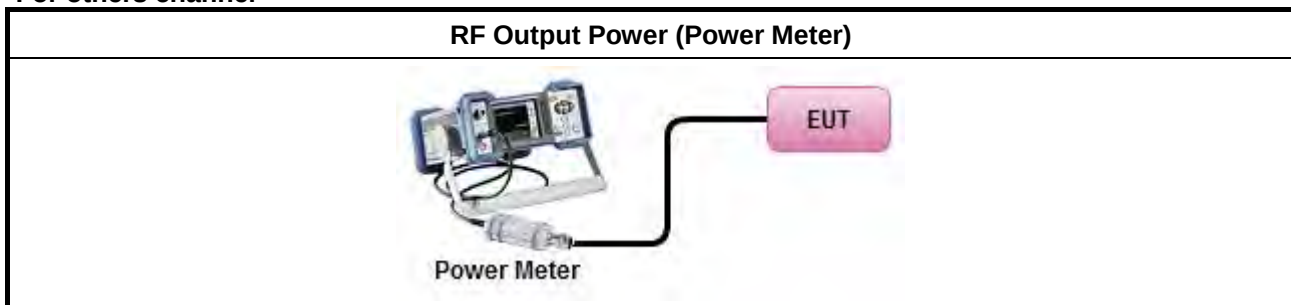
Test Method	
	Average over on/off periods with duty factor
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty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



For others channel



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.
EIRP Power Spectral Density Limit	
☐ For the 5.85-5.895 GHz band:	
	- Indoor AP & subordinate device < 20dBm/MHz - Client device < 14dBm/MHz
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 $0^\circ \leq \theta < 8^\circ$; $-13 - 0.716 (\theta - 8)$ dBW/MHz for $8^\circ \leq \theta < 40^\circ$ $-35.9 - 1.22 (\theta - 40)$ 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

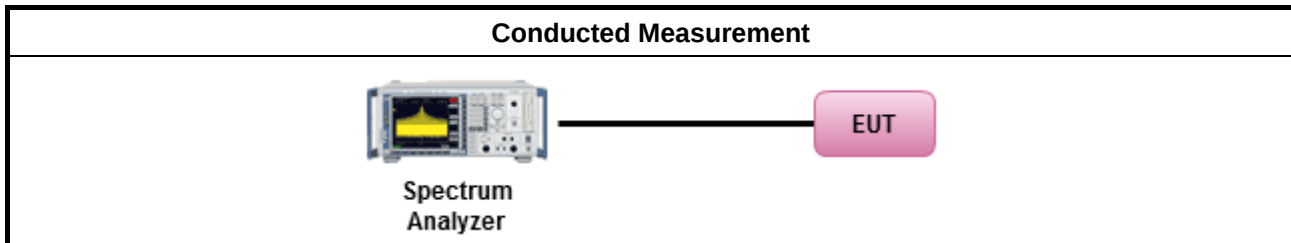
Refer a test equipment and calibration data table in this test report.

**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.	

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
☒ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
☐ 5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an



	e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz. (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.
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

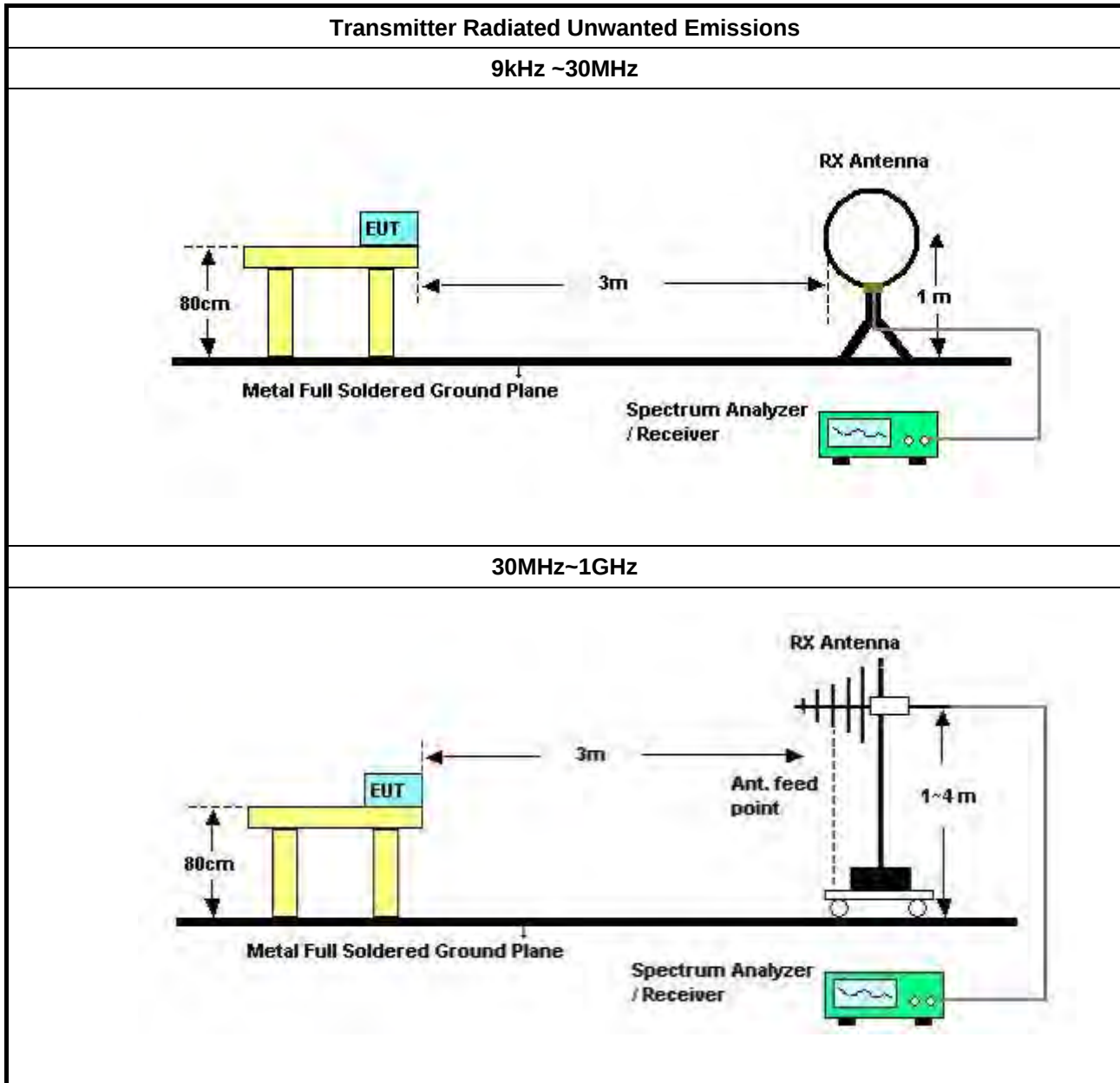
Refer a test equipment and calibration data table in this test report.

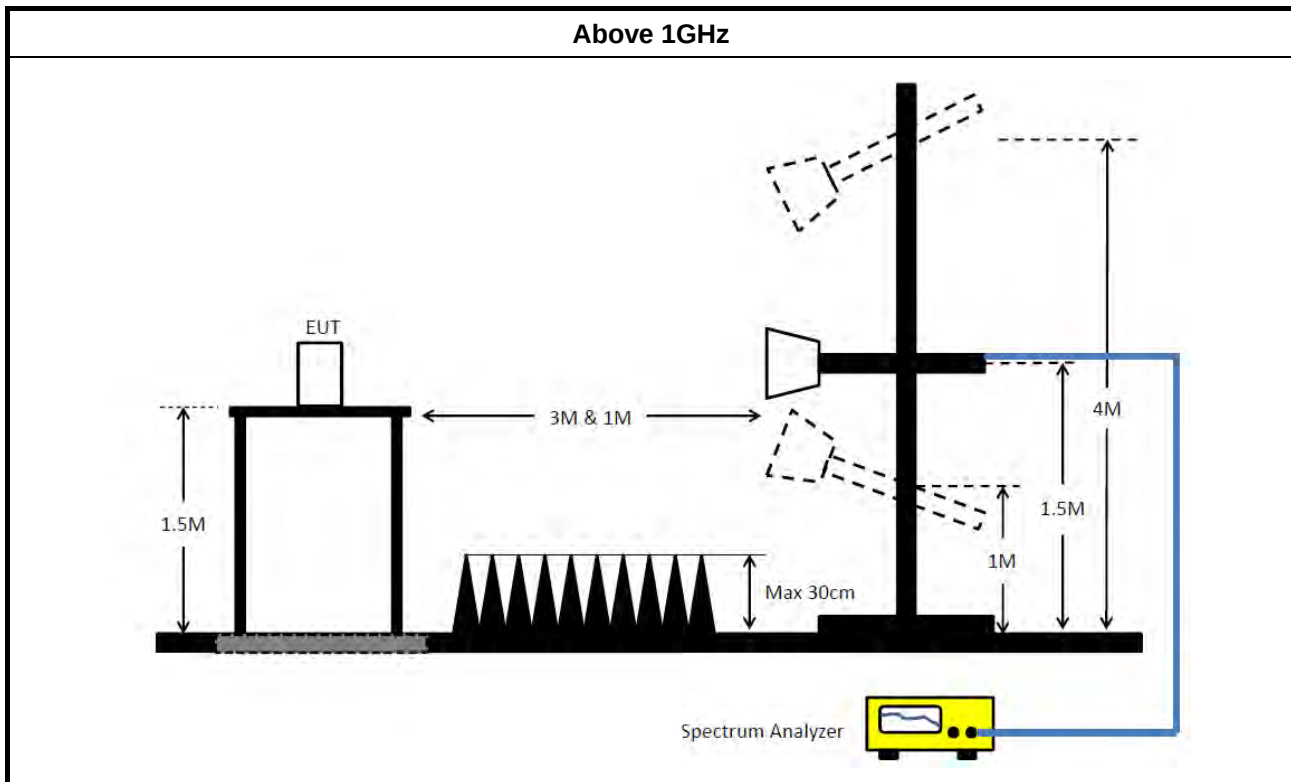


3.5.3 Test Procedures

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. 03, 2021	Mar. 02, 2022	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Jan. 06, 2021	Jan. 05, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 30, 2021	Jan. 29, 2022	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 07, 2021	Nov. 06, 2022	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 26, 2021	Mar. 25, 2022	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Oct. 14, 2021	Oct. 13, 2022	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 27, 2021	Apr. 26, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH05-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 07, 2021	May 06, 2022	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2021	Nov. 05, 2022	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 20, 2021	May 19, 2022	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 03, 2021	May 02, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 04, 2021	Aug. 03, 2022	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 06, 2021	May 05, 2022	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 15, 2020	Dec. 14, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 02, 2021	Aug. 01, 2022	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

NCR means Non-Calibration required.



Conducted Emissions at Powerline

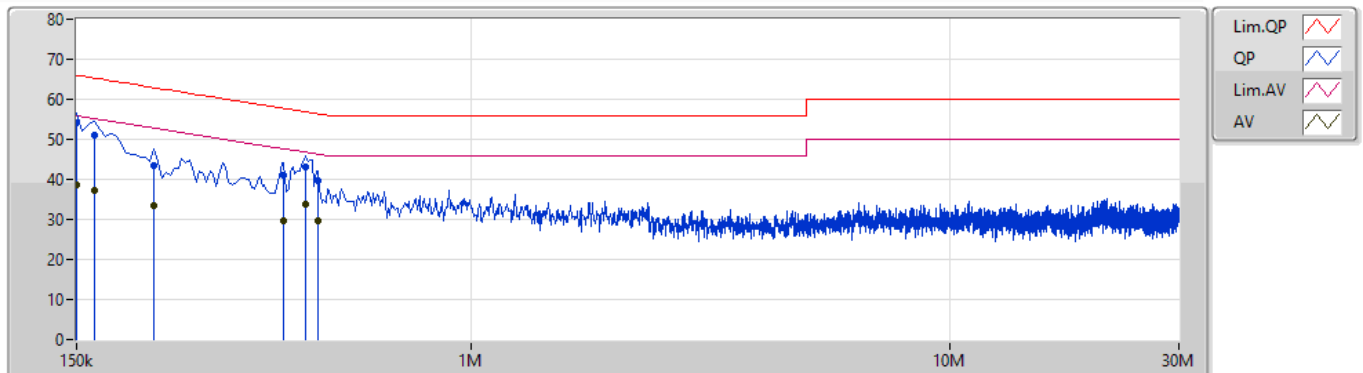
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150k	53.97	66.00	-12.03	Line

Mode 1

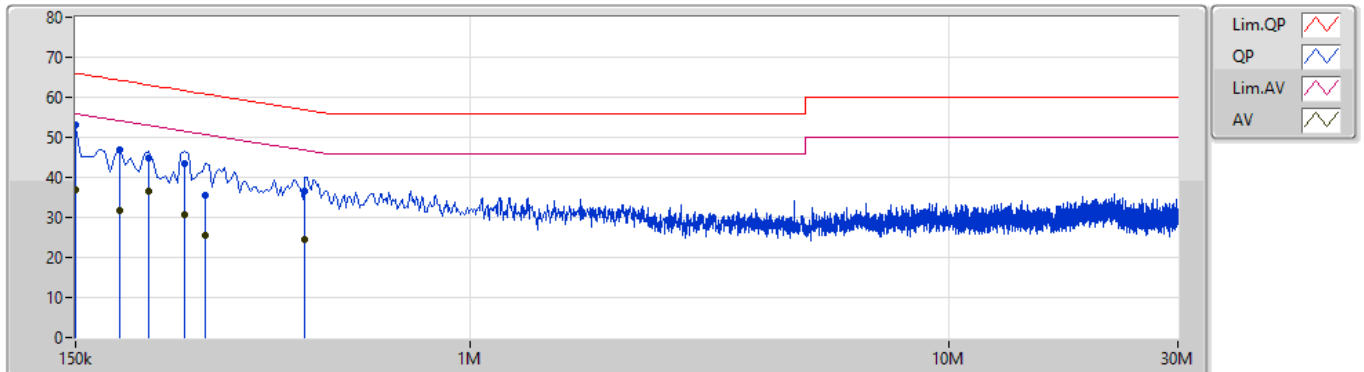
03/01/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	53.97	66.00	-12.03	9.89	Line	"Worst"	44.08	0.04	0.04	9.81			
AV	150k	38.75	56.00	-17.25	9.89	Line	-	28.86	0.04	0.04	9.81			
QP	163.5k	51.13	65.27	-14.14	9.89	Line	-	41.24	0.04	0.04	9.81			
AV	163.5k	37.23	55.27	-18.04	9.89	Line	-	27.34	0.04	0.04	9.81			
QP	217.5k	43.53	62.92	-19.39	9.89	Line	-	33.64	0.04	0.04	9.81			
AV	217.5k	33.51	52.92	-19.41	9.89	Line	-	23.62	0.04	0.04	9.81			
QP	406.5k	41.00	57.72	-16.72	9.90	Line	-	31.10	0.04	0.04	9.82			
AV	406.5k	29.72	47.72	-18.00	9.90	Line	-	19.82	0.04	0.04	9.82			
QP	451.5k	43.03	56.84	-13.81	9.90	Line	-	33.13	0.04	0.04	9.82			
AV	451.5k	33.65	46.84	-13.19	9.90	Line	-	23.75	0.04	0.04	9.82			
QP	478.5k	39.52	56.36	-16.84	9.90	Line	-	29.62	0.04	0.04	9.82			
AV	478.5k	29.51	46.36	-16.85	9.90	Line	-	19.61	0.04	0.04	9.82			

Mode 1

03/01/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	53.22	66.00	-12.78	9.88	Neutral	"Worst"	43.34	0.03	0.04	9.81			
AV	150k	36.83	56.00	-19.17	9.88	Neutral	-	26.95	0.03	0.04	9.81			
QP	186k	46.97	64.20	-17.23	9.88	Neutral	-	37.09	0.03	0.04	9.81			
AV	186k	31.85	54.20	-22.35	9.88	Neutral	-	21.97	0.03	0.04	9.81			
QP	213k	44.88	63.09	-18.21	9.88	Neutral	-	35.00	0.03	0.04	9.81			
AV	213k	36.66	53.09	-16.43	9.88	Neutral	-	26.78	0.03	0.04	9.81			
QP	253.5k	43.52	61.64	-18.12	9.88	Neutral	-	33.64	0.03	0.04	9.81			
AV	253.5k	30.80	51.64	-20.84	9.88	Neutral	-	20.92	0.03	0.04	9.81			
QP	280.5k	35.58	60.80	-25.22	9.88	Neutral	-	25.70	0.03	0.04	9.81			
AV	280.5k	25.35	50.80	-25.45	9.88	Neutral	-	15.47	0.03	0.04	9.81			
QP	451.5k	36.54	56.84	-20.30	9.89	Neutral	-	26.65	0.03	0.04	9.82			
AV	451.5k	24.51	46.84	-22.33	9.89	Neutral	-	14.62	0.03	0.04	9.82			

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	21.39M	16.762M	16M8D1D	19.8M	16.432M
802.11ax HEW20_Nss1,(MCS0)_4TX	22.56M	19.19M	19M2D1D	21.6M	19.04M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.68M	38.081M	38M1D1D	40.26M	37.781M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.32M	77.601M	77M6D1D	81.96M	77.241M
802.11ax HEW160_Nss1,(MCS0)_4TX	82.64M	78.121M	78M1D1D	82.24M	77.961M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.85M	16.732M	16M7D1D	19.74M	16.462M
802.11ax HEW20_Nss1,(MCS0)_4TX	22.08M	19.13M	19M1D1D	21.57M	19.04M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.56M	37.961M	38M0D1D	40.14M	37.721M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.2M	77.481M	77M5D1D	81.96M	77.241M
802.11ax HEW160_Nss1,(MCS0)_4TX	82.88M	78.121M	78M1D1D	82.32M	77.721M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.64M	16.822M	16M8D1D	15.15M	13.403M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.99M	19.16M	19M2D1D	15.645M	14.558M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.5M	37.841M	37M8D1D	35.105M	33.653M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.32M	77.361M	77M4D1D	75.75M	73.013M
802.11ax HEW160_Nss1,(MCS0)_4TX	164.64M	154.723M	155MD1D	163.68M	154.003M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.35M	20.54M	20M5D1D	3.12M	3.518M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.14M	19.61M	19M6D1D	4.46M	4.578M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.86M	42.339M	42M3D1D	3.86M	4.098M
802.11ax HEW80_Nss1,(MCS0)_4TX	76.44M	77.601M	77M6D1D	3.98M	4.178M

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	20.4M	16.582M	19.83M	16.432M	20.76M	16.762M	20.79M	16.702M
5200MHz	Pass	Inf	20.16M	16.612M	19.98M	16.462M	20.73M	16.732M	20.82M	16.672M
5240MHz	Pass	Inf	20.34M	16.642M	19.8M	16.432M	21.39M	16.732M	20.82M	16.672M
5260MHz	Pass	Inf	20.22M	16.672M	19.74M	16.462M	20.31M	16.672M	20.55M	16.672M
5300MHz	Pass	Inf	20.22M	16.732M	20.04M	16.522M	20.49M	16.672M	20.61M	16.672M
5320MHz	Pass	Inf	20.85M	16.732M	19.77M	16.522M	20.52M	16.672M	20.46M	16.672M
5500MHz	Pass	Inf	20.52M	16.732M	20.28M	16.672M	20.43M	16.612M	20.04M	16.642M
5580MHz	Pass	Inf	20.49M	16.732M	20.61M	16.762M	19.92M	16.642M	20.34M	16.642M
5700MHz	Pass	Inf	20.37M	16.702M	20.64M	16.822M	20.43M	16.702M	20.37M	16.612M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.36M	13.418M	15.33M	13.478M	15.15M	13.463M	15.165M	13.403M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.598M	3.16M	3.558M	3.12M	3.618M	3.12M	3.518M
5745MHz	Pass	500k	16.35M	16.762M	16.35M	16.942M	16.35M	16.822M	16.35M	16.822M
5785MHz	Pass	500k	16.29M	16.762M	16.35M	16.972M	16.35M	16.822M	16.35M	20.54M
5825MHz	Pass	500k	16.29M	16.612M	16.32M	16.852M	16.35M	16.762M	16.32M	18.231M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.32M	19.19M	22.32M	19.16M	21.78M	19.07M	21.81M	19.04M
5200MHz	Pass	Inf	21.81M	19.16M	22.53M	19.16M	21.81M	19.1M	21.6M	19.04M
5240MHz	Pass	Inf	22.41M	19.16M	22.56M	19.19M	22.14M	19.1M	21.99M	19.07M
5260MHz	Pass	Inf	21.6M	19.13M	22.08M	19.1M	21.69M	19.04M	21.66M	19.04M
5300MHz	Pass	Inf	21.57M	19.07M	21.87M	19.1M	21.75M	19.04M	22.02M	19.07M
5320MHz	Pass	Inf	21.63M	19.04M	21.78M	19.1M	21.99M	19.04M	21.6M	19.04M
5500MHz	Pass	Inf	21.45M	19.04M	21.96M	19.07M	21.99M	19.07M	21.87M	19.1M
5580MHz	Pass	Inf	21.48M	19.04M	21.66M	19.07M	21.87M	19.13M	21.78M	19.1M
5700MHz	Pass	Inf	21.6M	19.07M	21.69M	19.04M	21.51M	19.16M	21.87M	19.1M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.005M	14.558M	15.645M	14.558M	16.125M	14.663M	15.72M	14.633M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.578M	4.46M	4.598M	4.48M	4.618M	4.5M	4.618M
5745MHz	Pass	500k	18.96M	19.13M	18.78M	19.07M	19.05M	19.34M	19.02M	19.28M
5785MHz	Pass	500k	18.87M	19.16M	18.96M	19.07M	19.14M	19.28M	19.02M	19.4M
5825MHz	Pass	500k	19.08M	19.22M	19.05M	19.13M	19.14M	19.25M	19.05M	19.61M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.56M	37.781M	40.44M	37.961M	40.26M	37.901M	40.26M	37.901M
5230MHz	Pass	Inf	40.38M	37.841M	40.68M	38.081M	40.38M	38.021M	40.44M	37.901M
5270MHz	Pass	Inf	40.2M	37.781M	40.5M	37.841M	40.14M	37.961M	40.32M	37.841M
5310MHz	Pass	Inf	40.26M	37.721M	40.56M	37.841M	40.26M	37.841M	40.14M	37.721M
5510MHz	Pass	Inf	40.38M	37.601M	40.32M	37.601M	40.32M	37.781M	40.26M	37.781M
5550MHz	Pass	Inf	40.44M	37.721M	40.38M	37.721M	40.32M	37.841M	40.5M	37.721M
5670MHz	Pass	Inf	40.38M	37.721M	40.14M	37.661M	40.26M	37.721M	40.38M	37.781M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.245M	33.653M	35.105M	33.758M	35.245M	33.688M	35.105M	33.758M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	4.118M	3.86M	4.098M	4.06M	4.118M	3.96M	4.118M
5755MHz	Pass	500k	37.2M	37.961M	33.54M	37.781M	37.74M	37.901M	37.08M	38.381M
5795MHz	Pass	500k	33.9M	38.081M	34.74M	37.901M	37.86M	38.081M	37.68M	42.339M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.32M	77.241M	81.96M	77.601M	82.2M	77.241M	82.08M	77.361M
5290MHz	Pass	Inf	82.08M	77.241M	82.08M	77.481M	81.96M	77.481M	82.2M	77.361M
5530MHz	Pass	Inf	82.32M	77.121M	81.72M	77.001M	81.6M	77.361M	81.84M	77.121M
5610MHz	Pass	Inf	82.32M	77.121M	81.72M	77.001M	81.72M	77.361M	81.6M	77.121M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.75M	73.013M	76.05M	73.163M	75.75M	73.013M	76.125M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	4.218M	4.02M	4.178M	4.02M	4.258M	4.02M	4.218M
5775MHz	Pass	500k	74.64M	77.361M	75.72M	77.001M	74.88M	77.361M	76.44M	77.601M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	82.24M	78.041M	82.56M	78.121M	82.64M	77.961M	82.64M	78.121M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.88M	77.721M	82.4M	78.121M	82.56M	78.121M	82.32M	77.801M
5570MHz	Pass	Inf	164.4M	154.723M	163.68M	154.483M	164.16M	154.003M	164.64M	154.483M



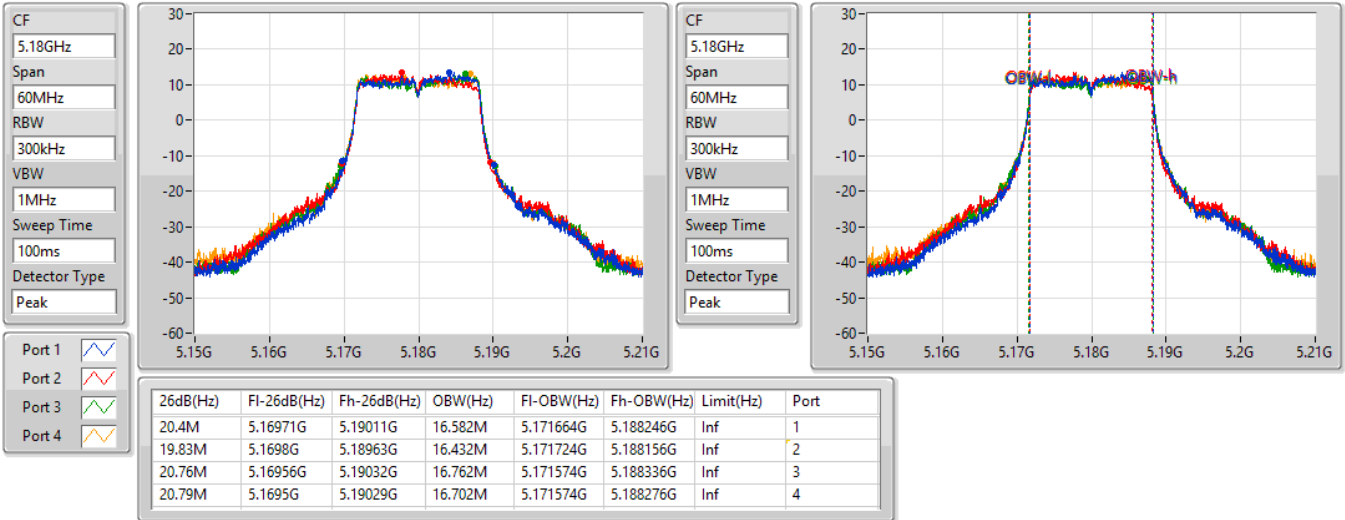
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX

EBW

5180MHz

27/10/2021

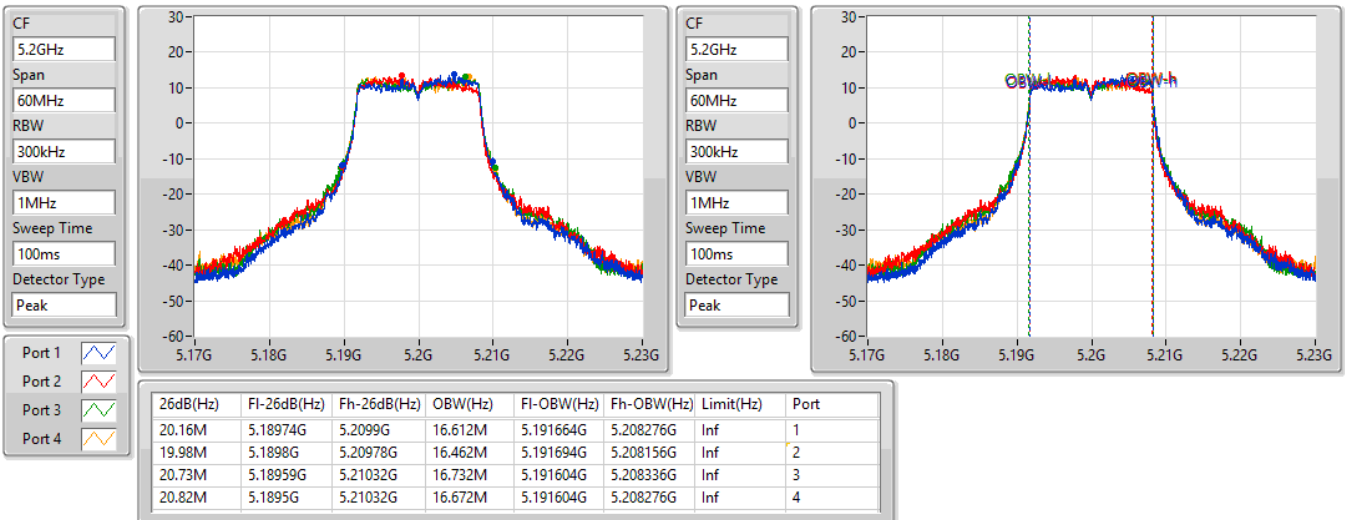


802.11a_Nss1,(6Mbps)_4TX

EBW

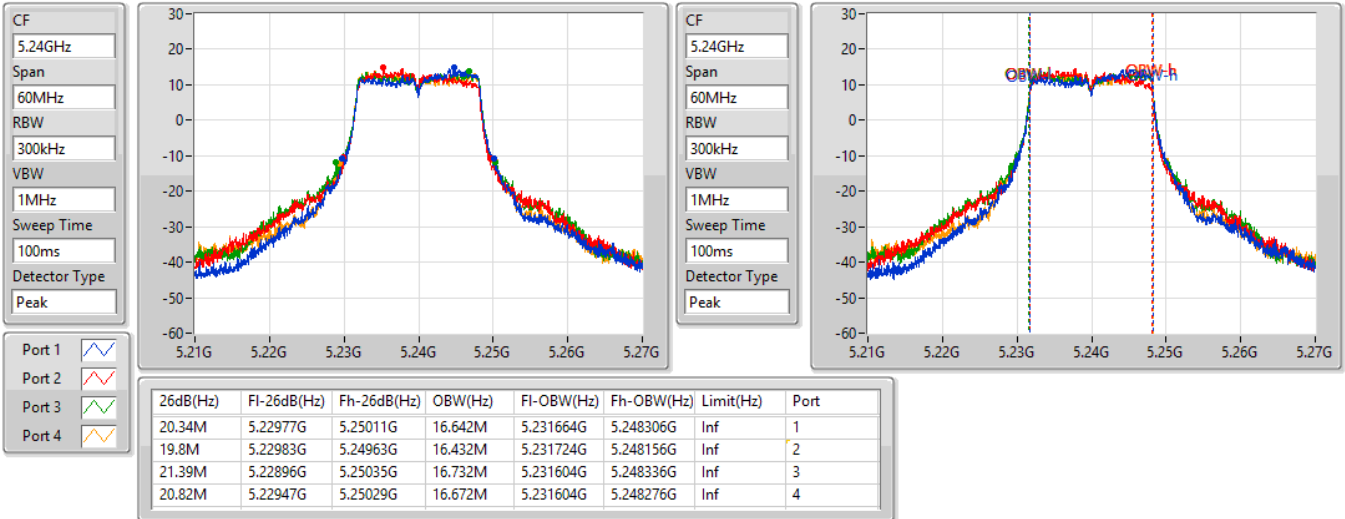
5200MHz

27/10/2021

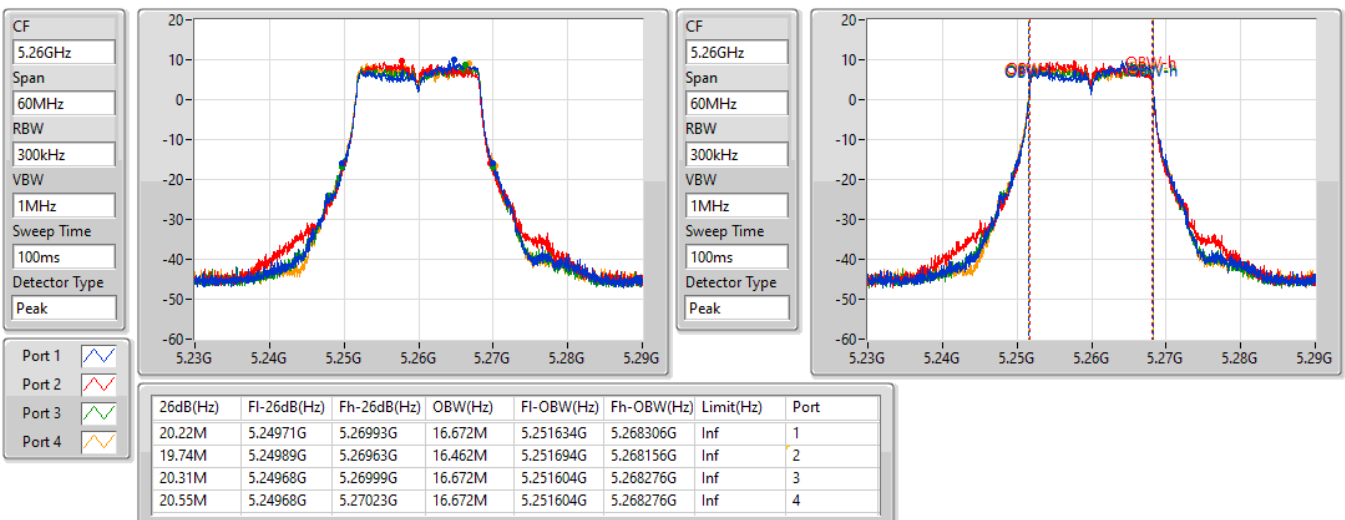


802.11a_Nss1,(6Mbps)_4TX
EBW
5240MHz

05/11/2021

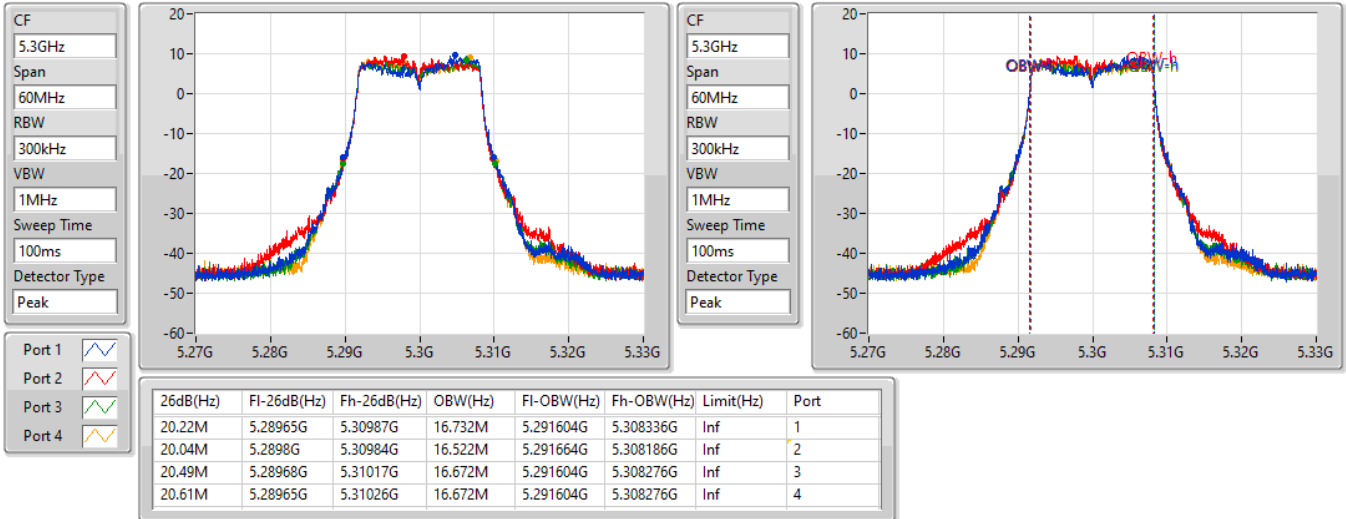

802.11a_Nss1,(6Mbps)_4TX
EBW
5260MHz

02/11/2021

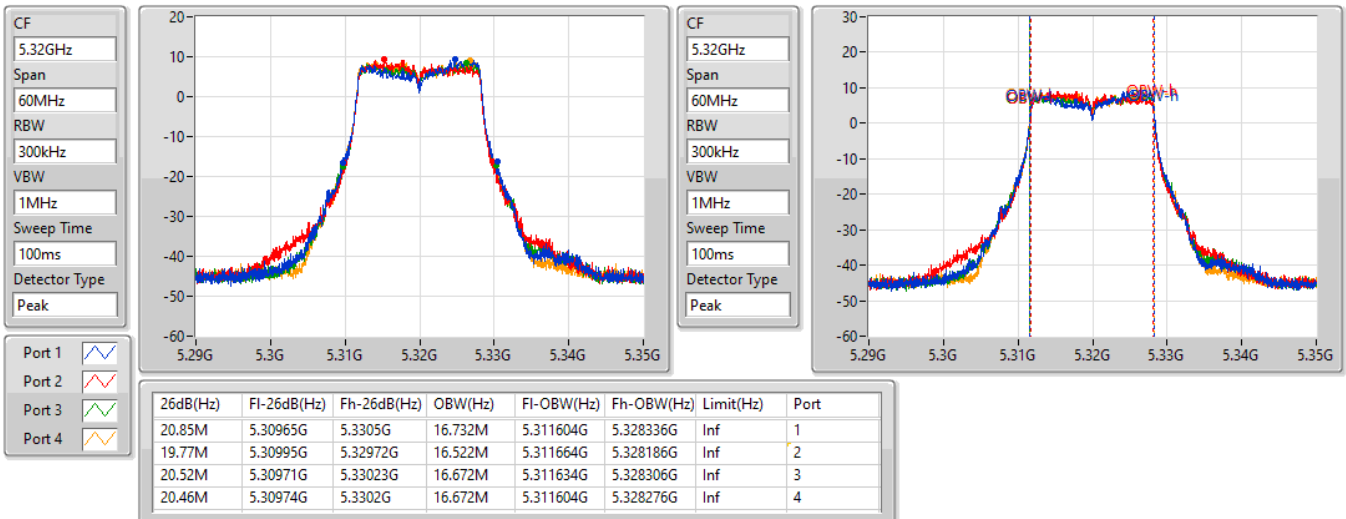


802.11a_Nss1,(6Mbps)_4TX
EBW
5300MHz

02/11/2021


802.11a_Nss1,(6Mbps)_4TX
EBW
5320MHz

02/11/2021

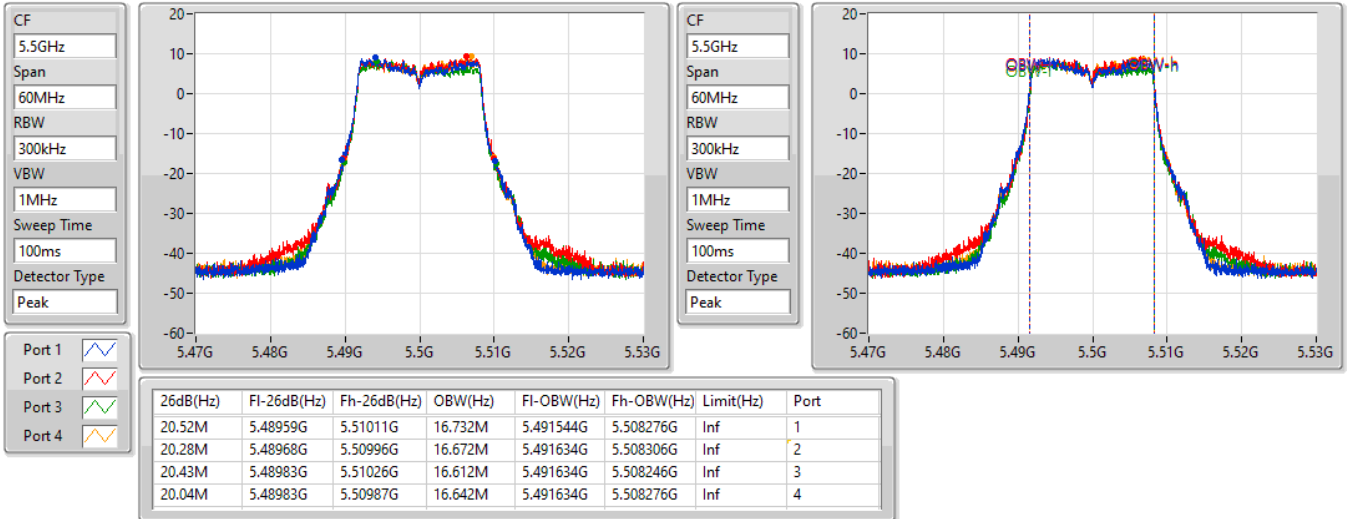


802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

02/11/2021

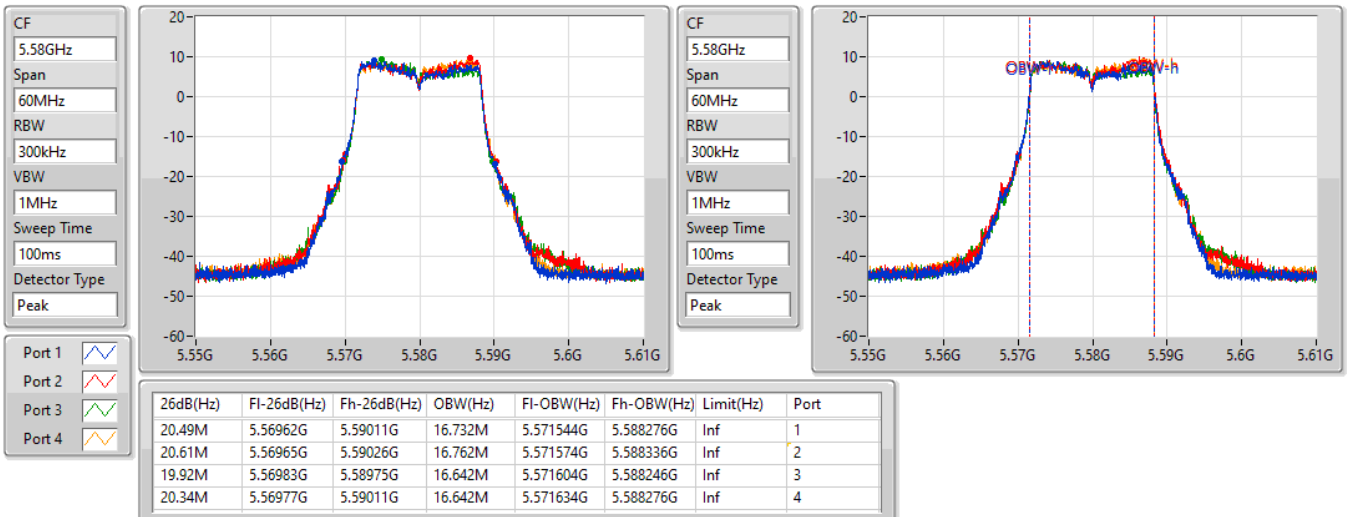


802.11a_Nss1,(6Mbps)_4TX

EBW

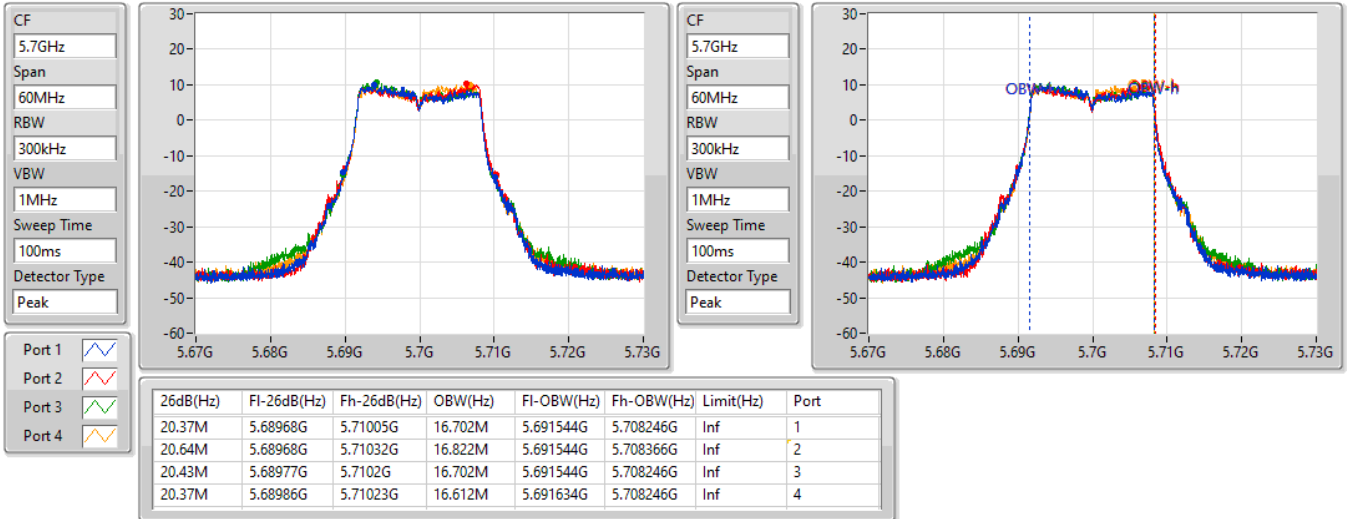
5580MHz

02/11/2021

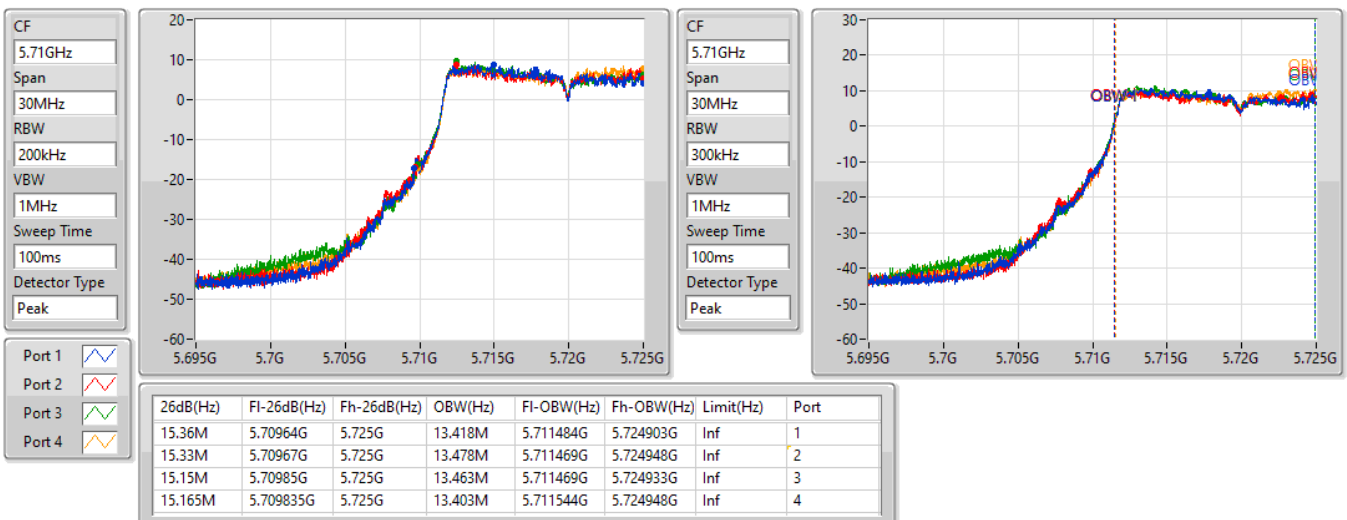


802.11a_Nss1,(6Mbps)_4TX
EBW
5700MHz

02/11/2021

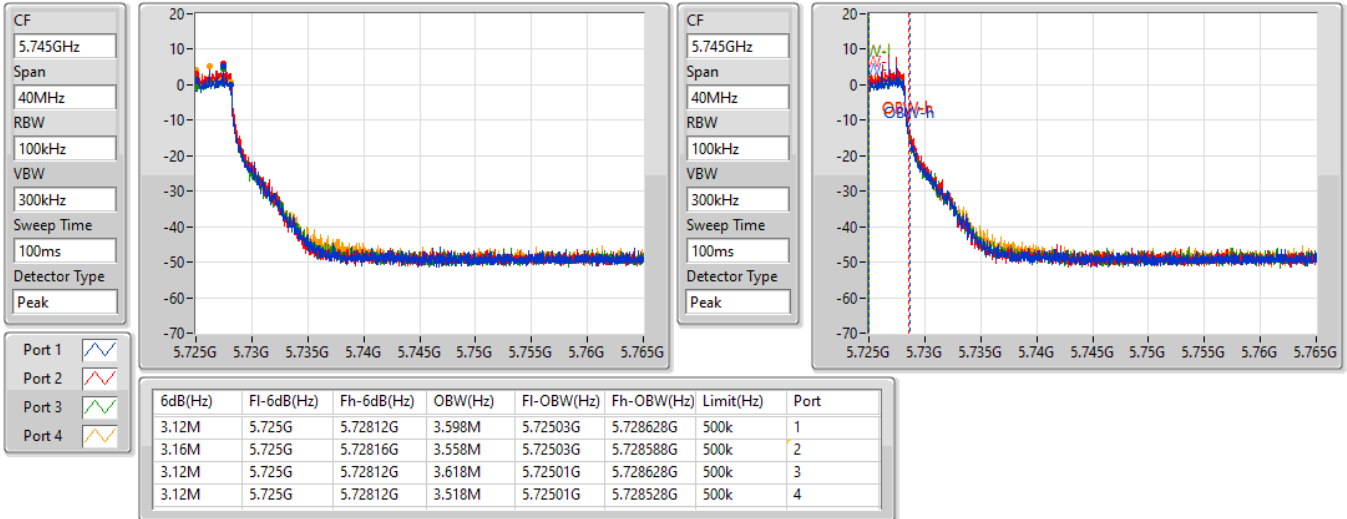

802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

02/11/2021

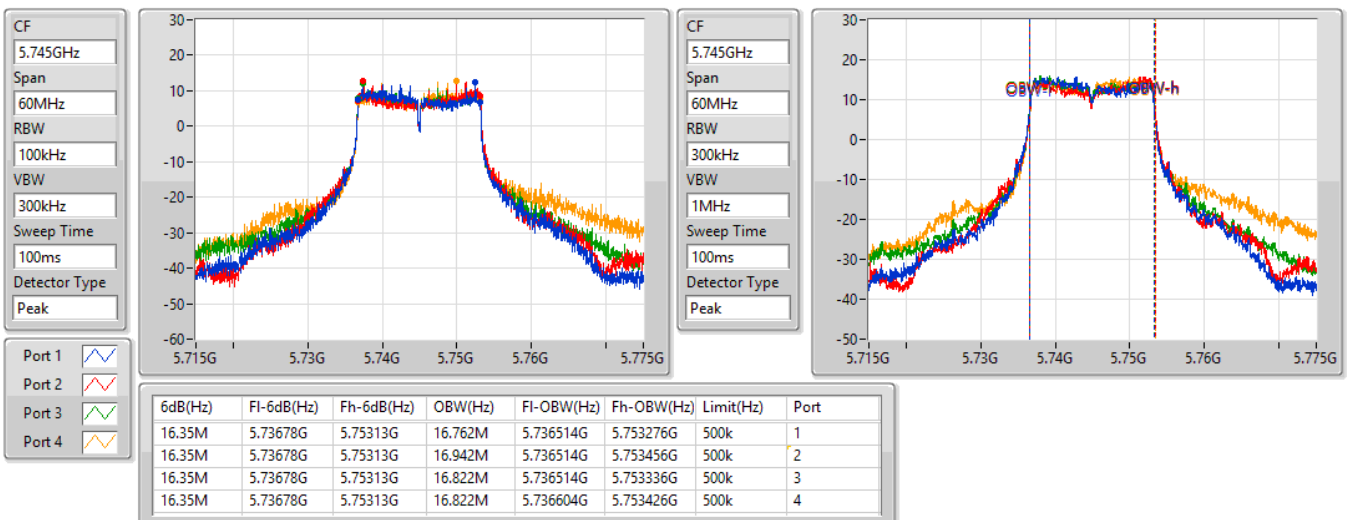


802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

02/11/2021

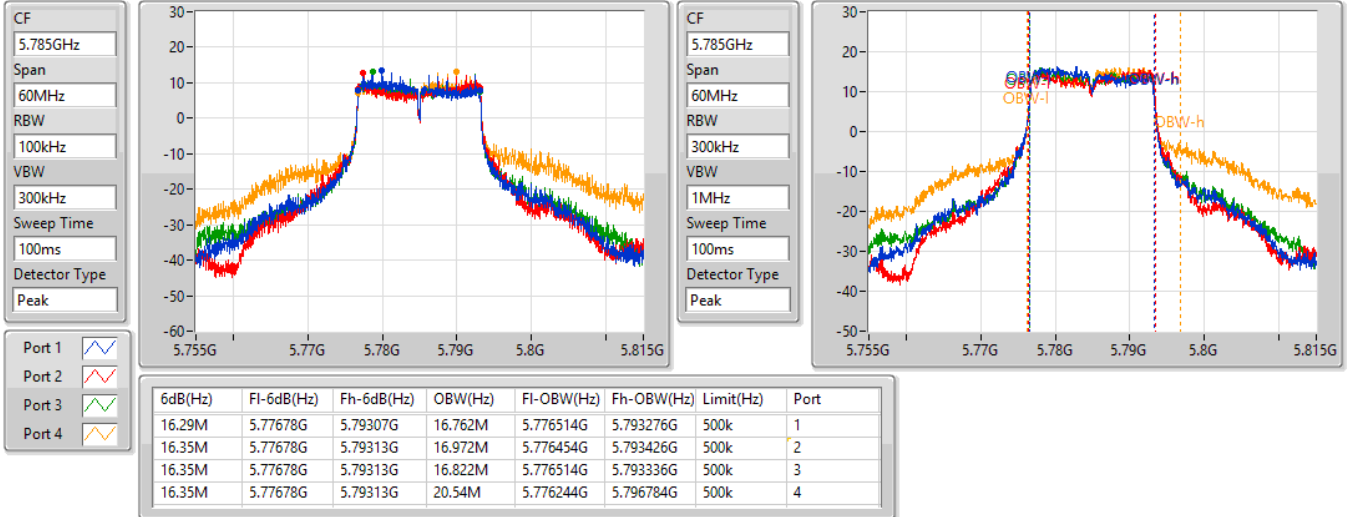

802.11a_Nss1,(6Mbps)_4TX
EBW
5745MHz

27/10/2021

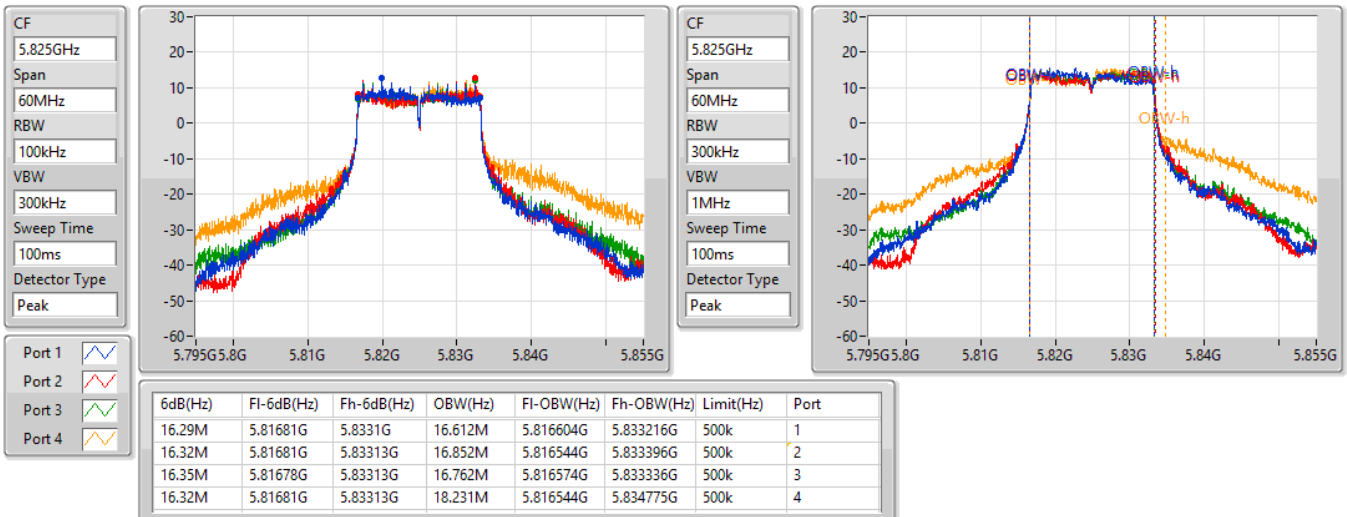


802.11a_Nss1,(6Mbps)_4TX
EBW
5785MHz

27/10/2021

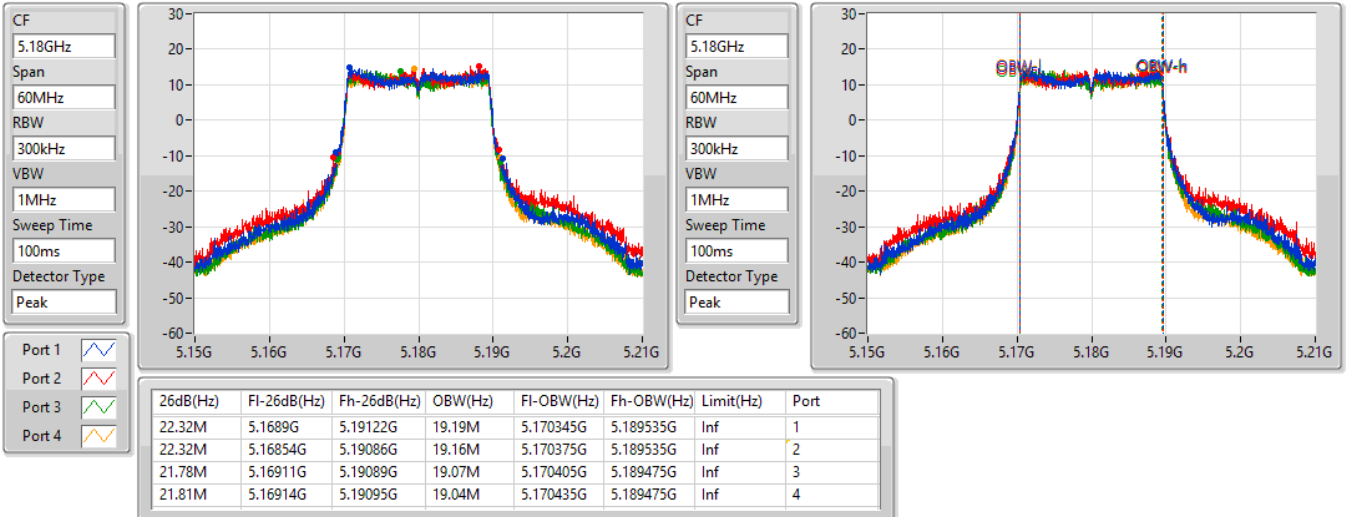

802.11a_Nss1,(6Mbps)_4TX
EBW
5825MHz

27/10/2021

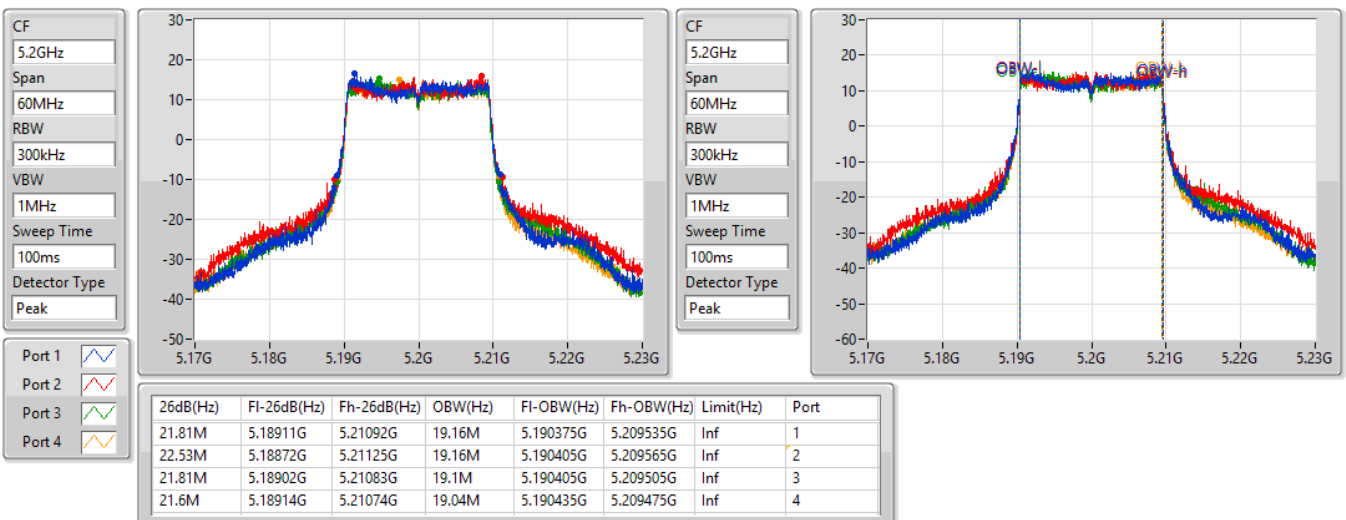


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5180MHz

27/10/2021

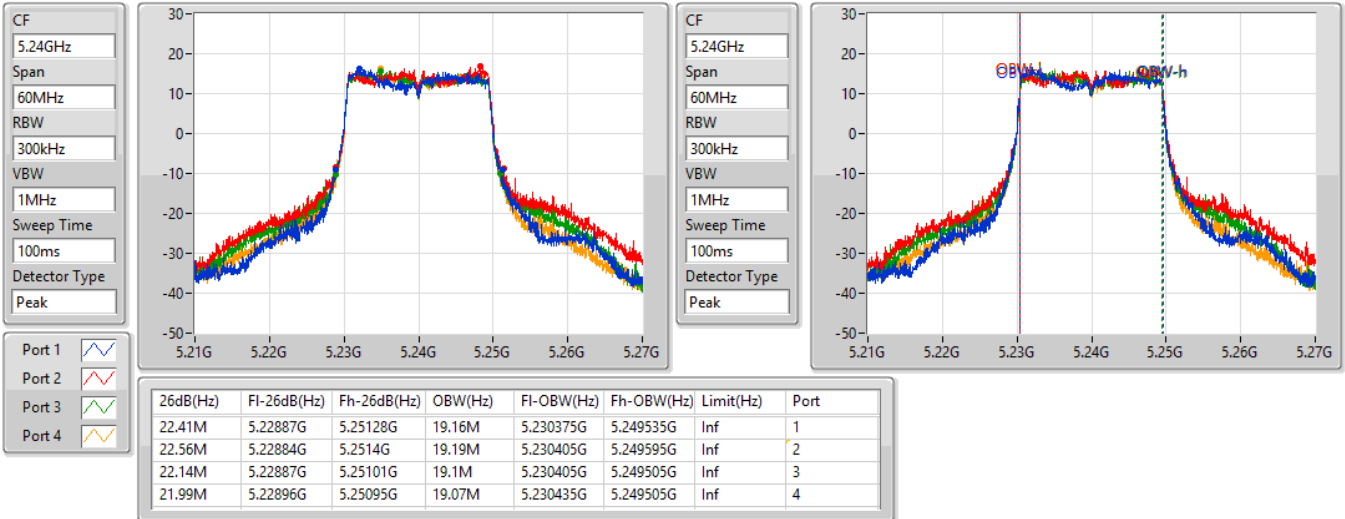

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5200MHz

27/10/2021

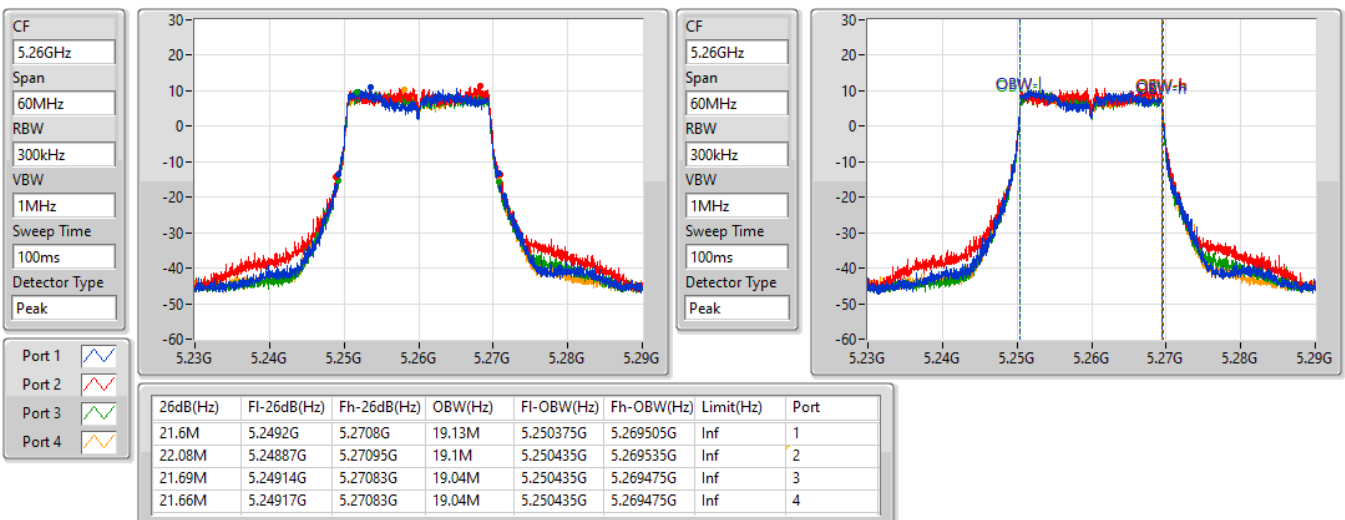


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5240MHz

05/11/2021


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5260MHz

02/11/2021

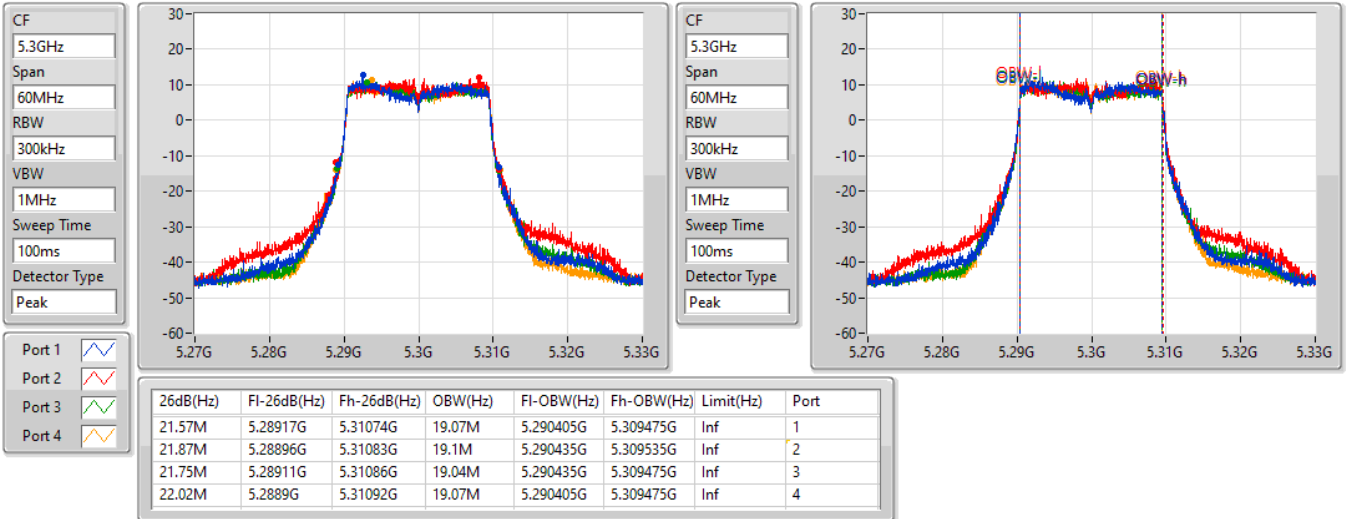


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

02/11/2021

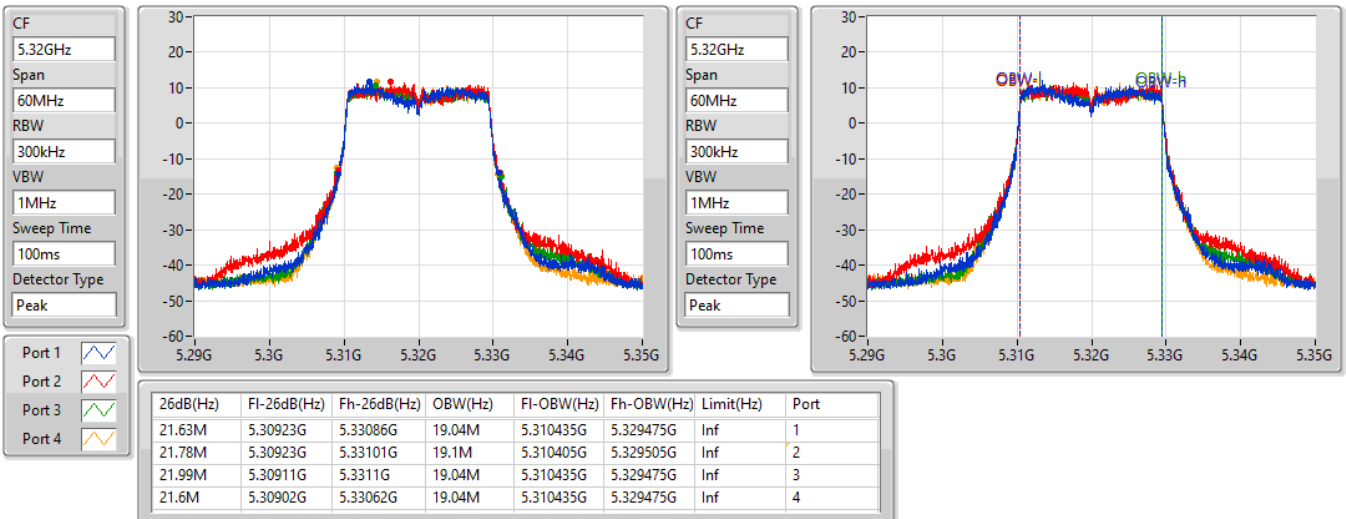


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

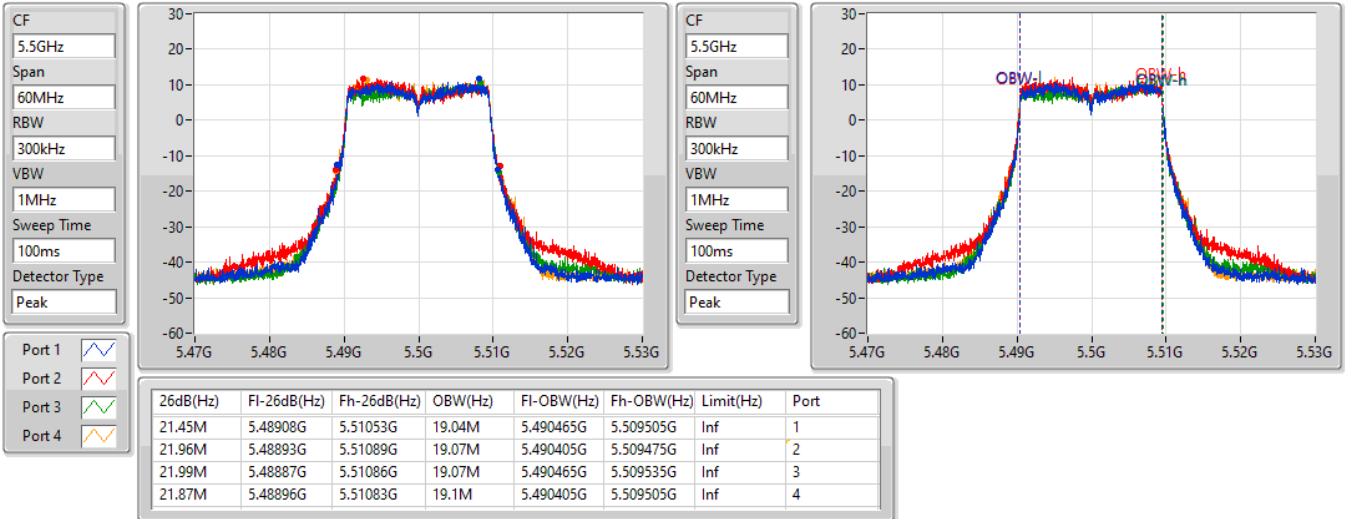
5320MHz

02/11/2021

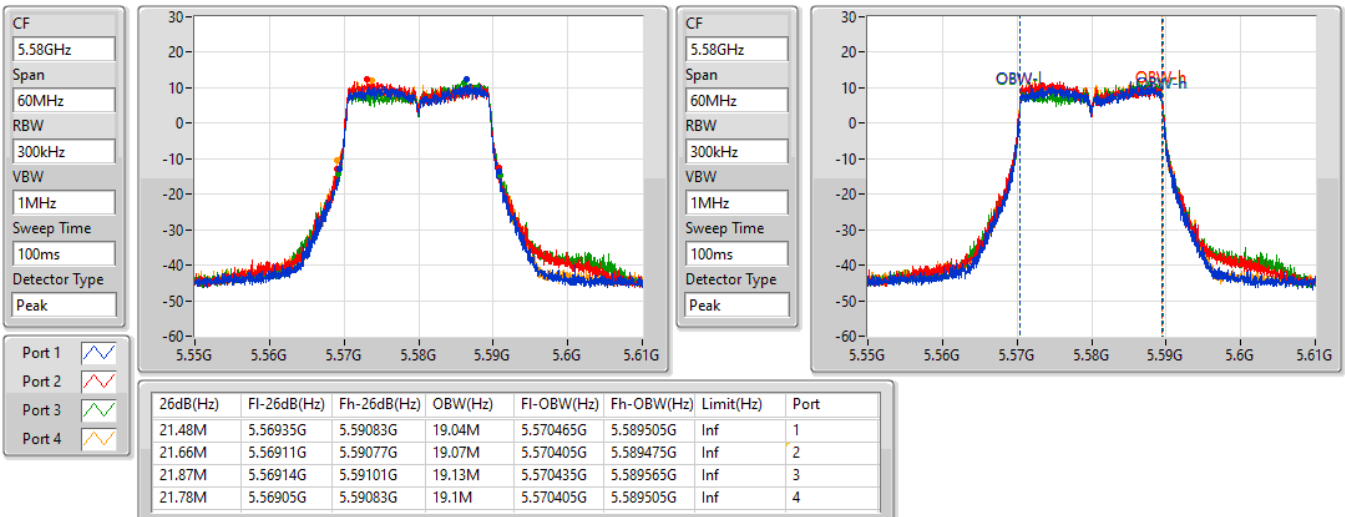


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5500MHz

02/11/2021

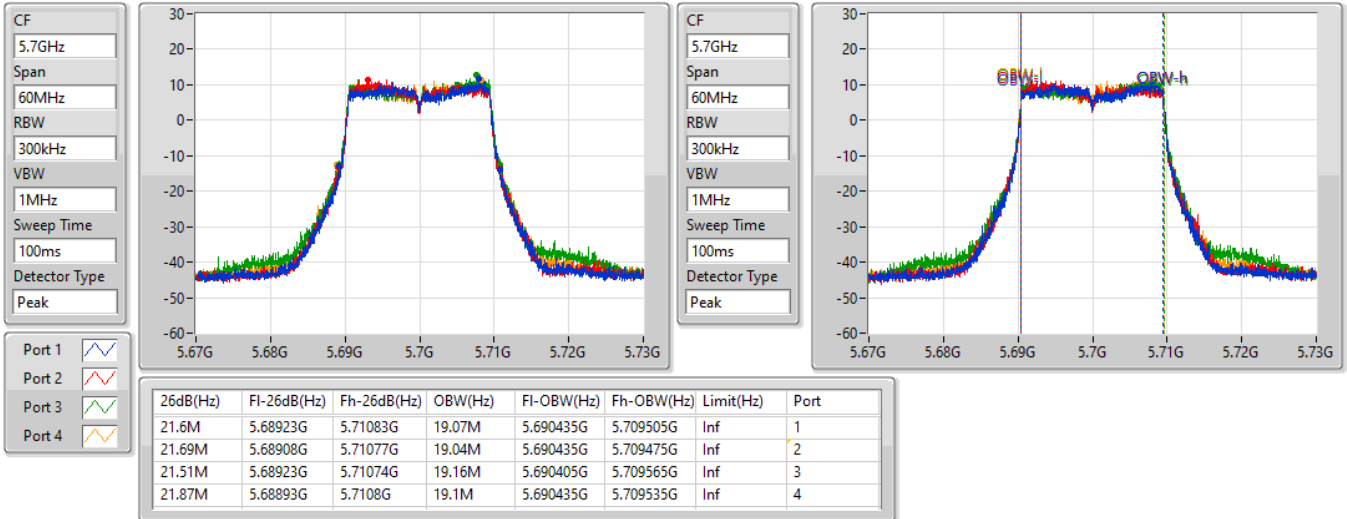

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5580MHz

02/11/2021

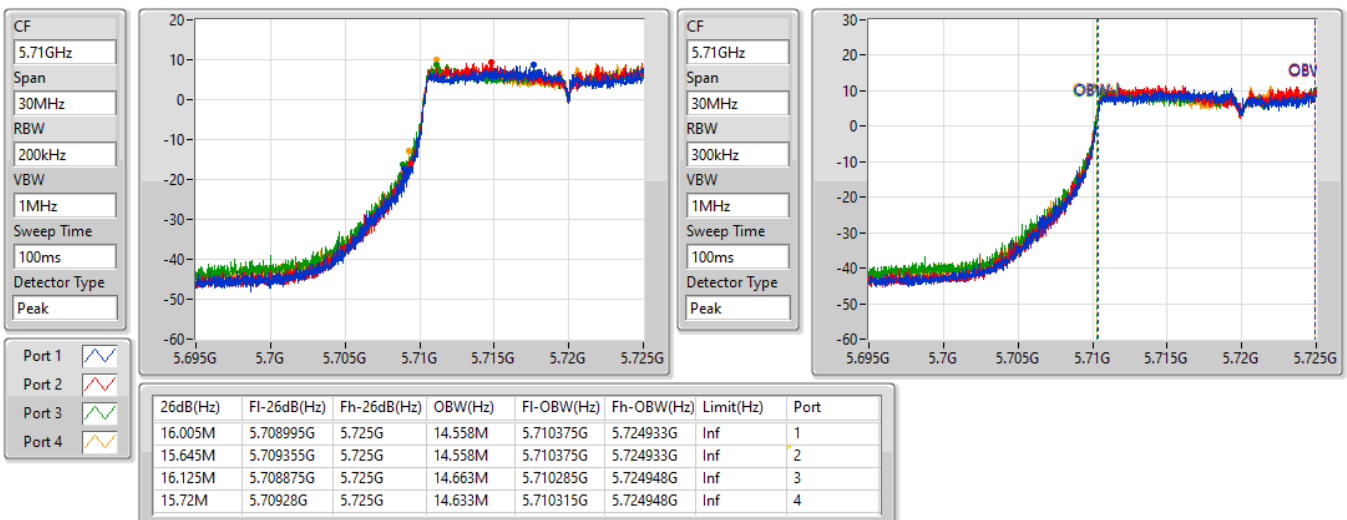


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5700MHz

02/11/2021

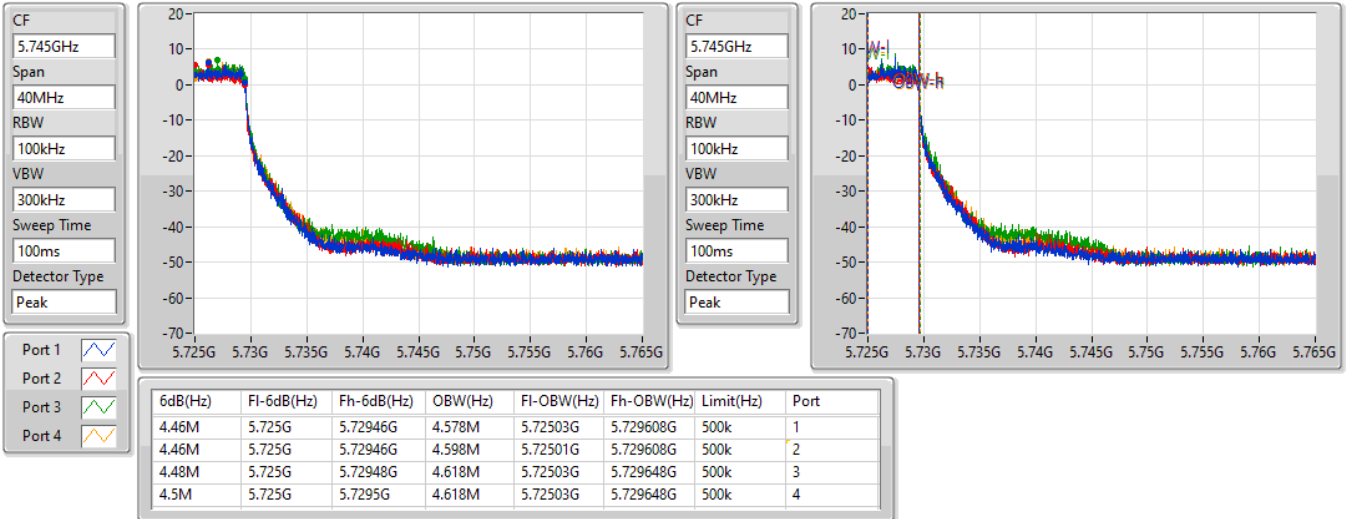

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

02/11/2021

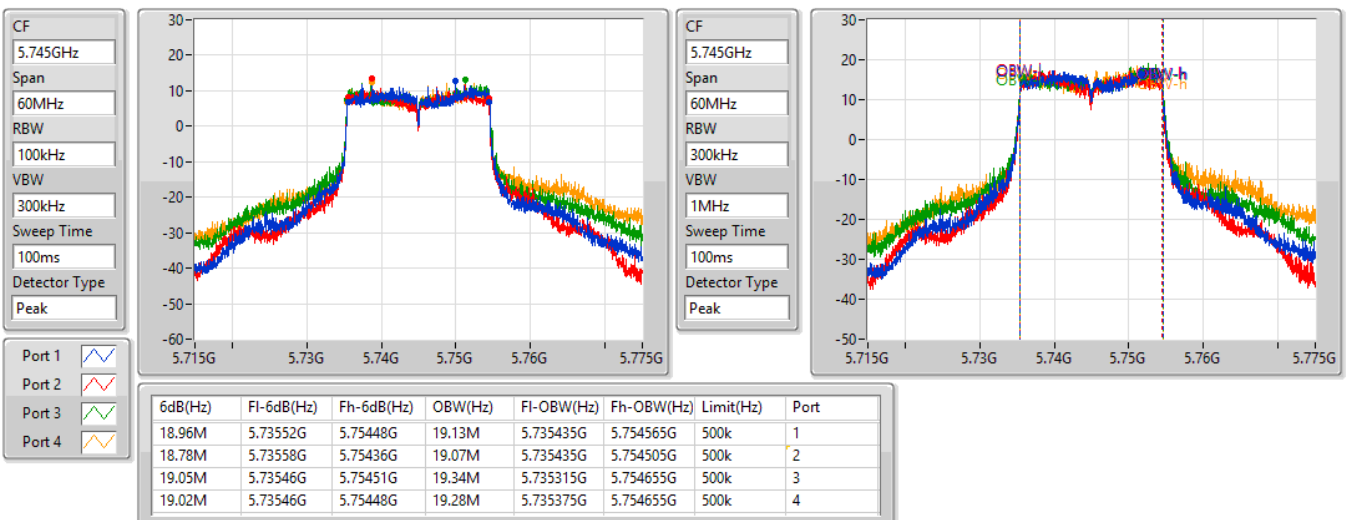


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

02/11/2021


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5745MHz

27/10/2021

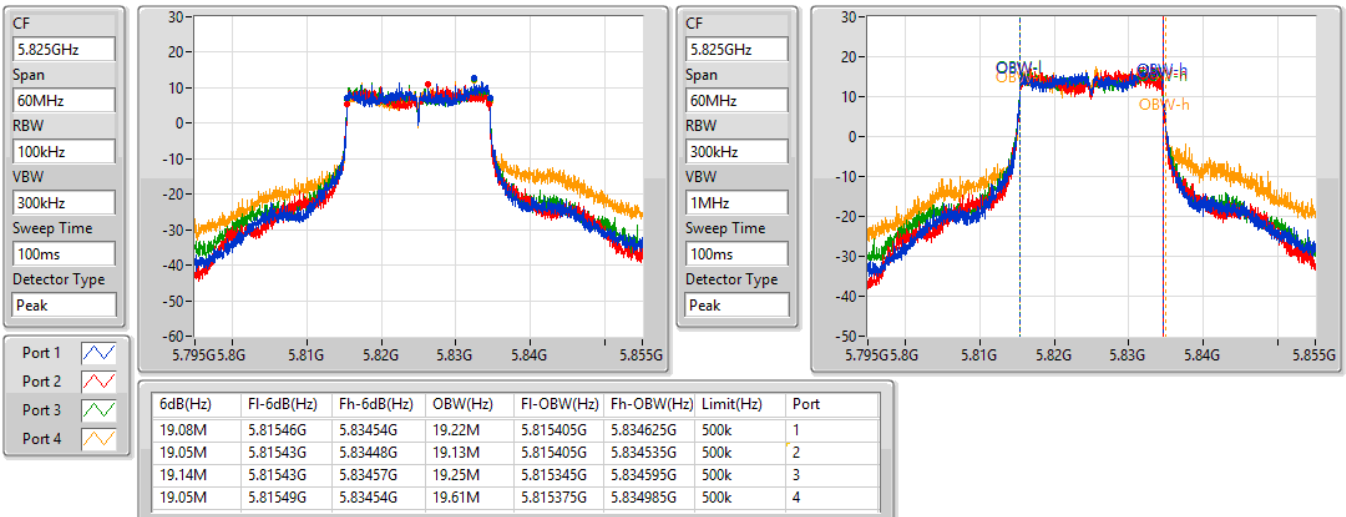


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5785MHz

27/10/2021

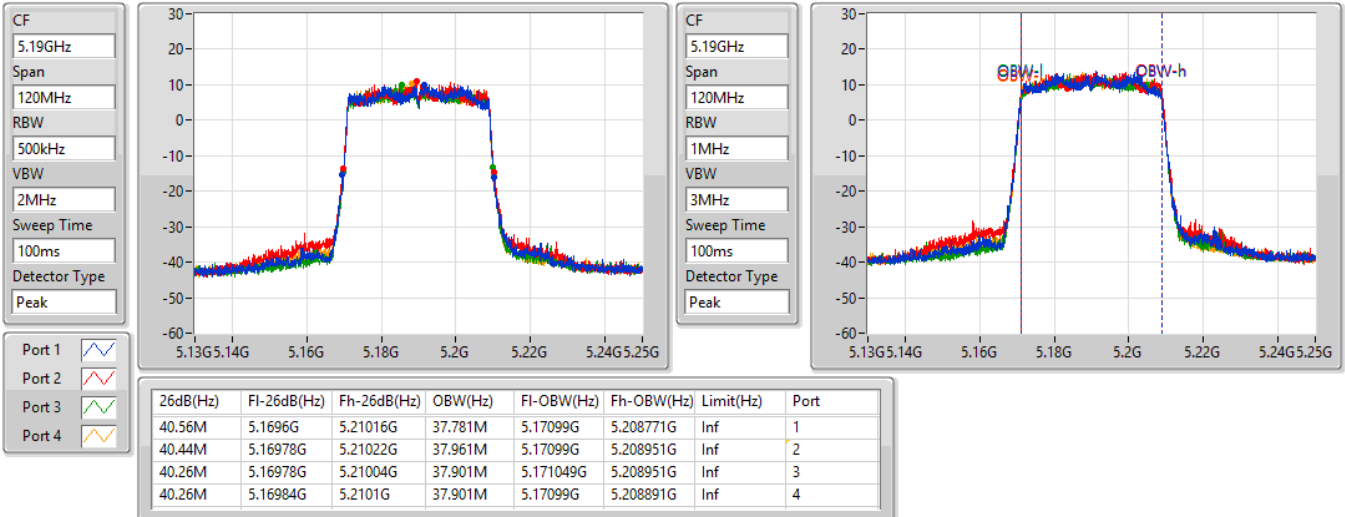

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5825MHz

27/10/2021

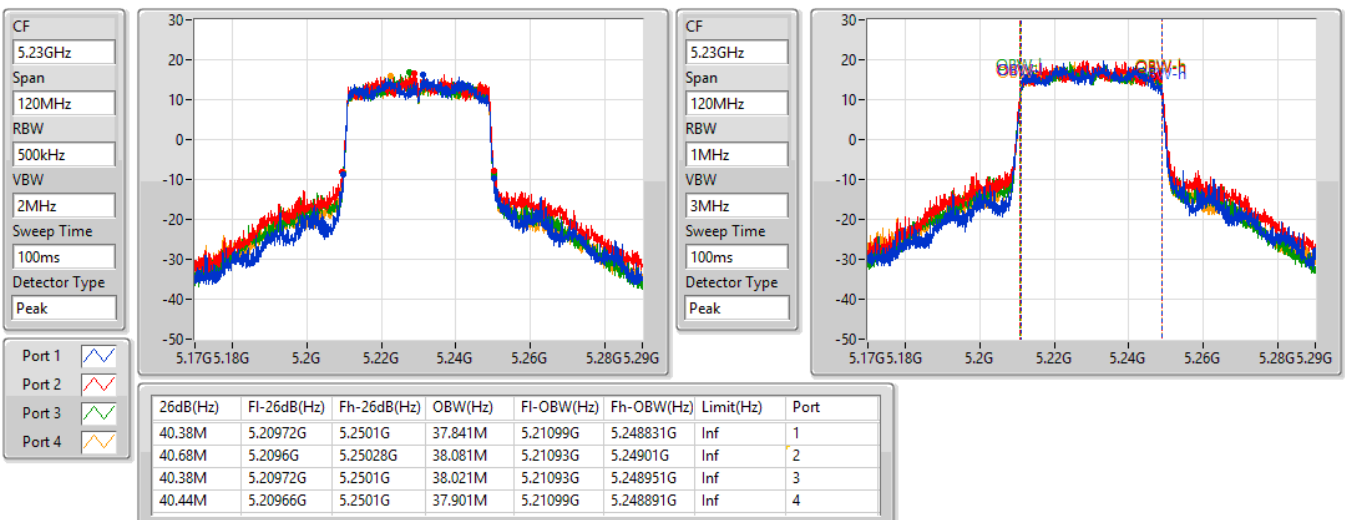


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5190MHz

27/10/2021

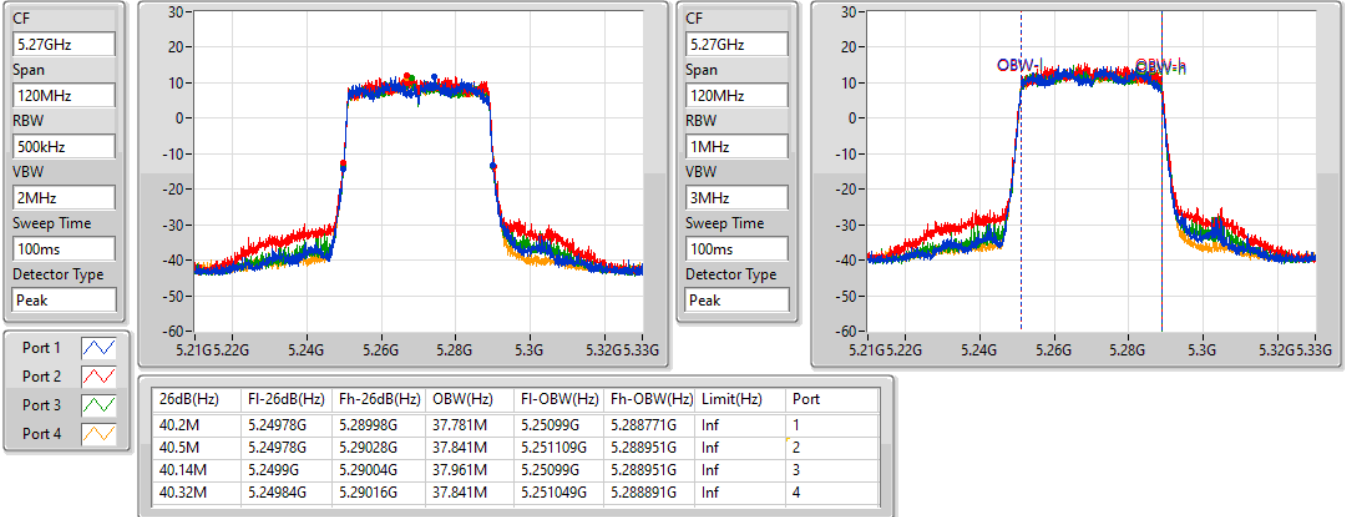

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5230MHz

27/10/2021

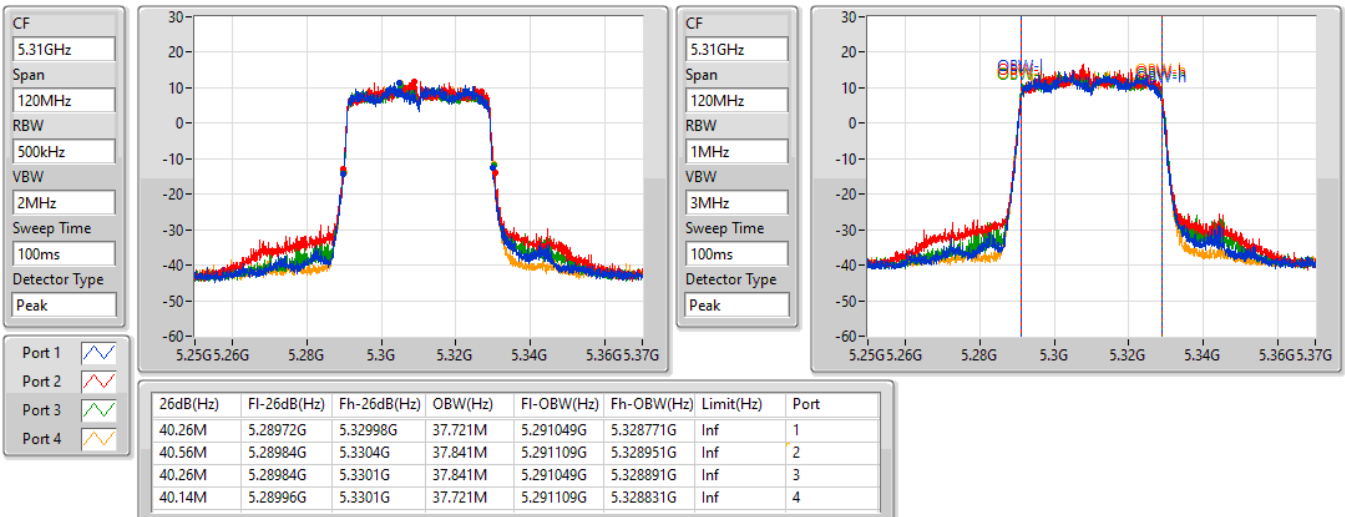


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5270MHz

02/11/2021

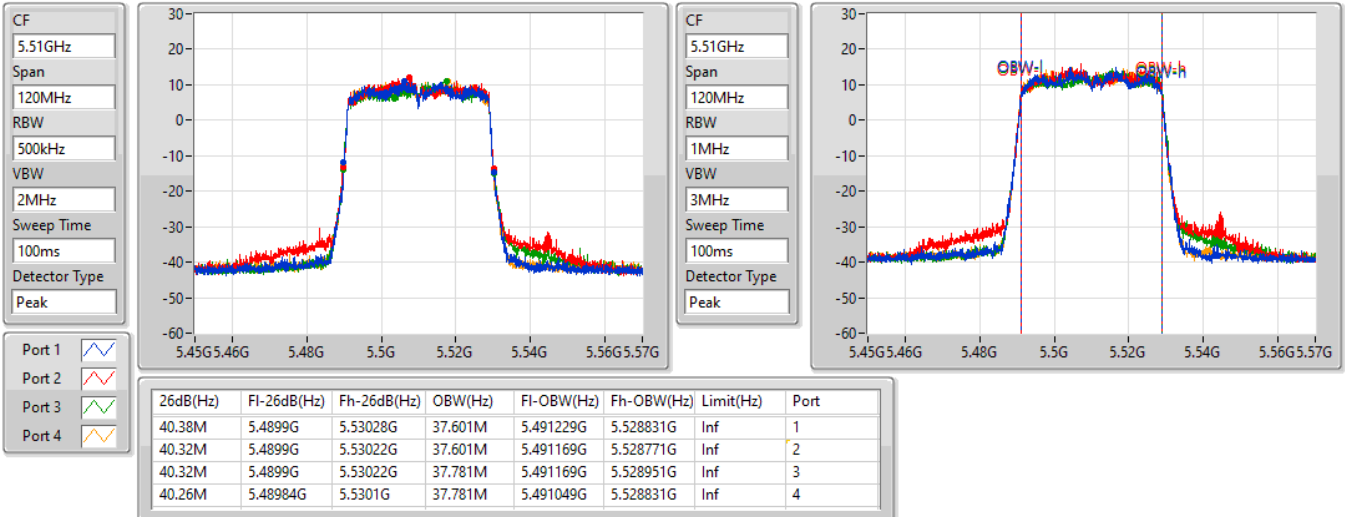

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5310MHz

02/11/2021

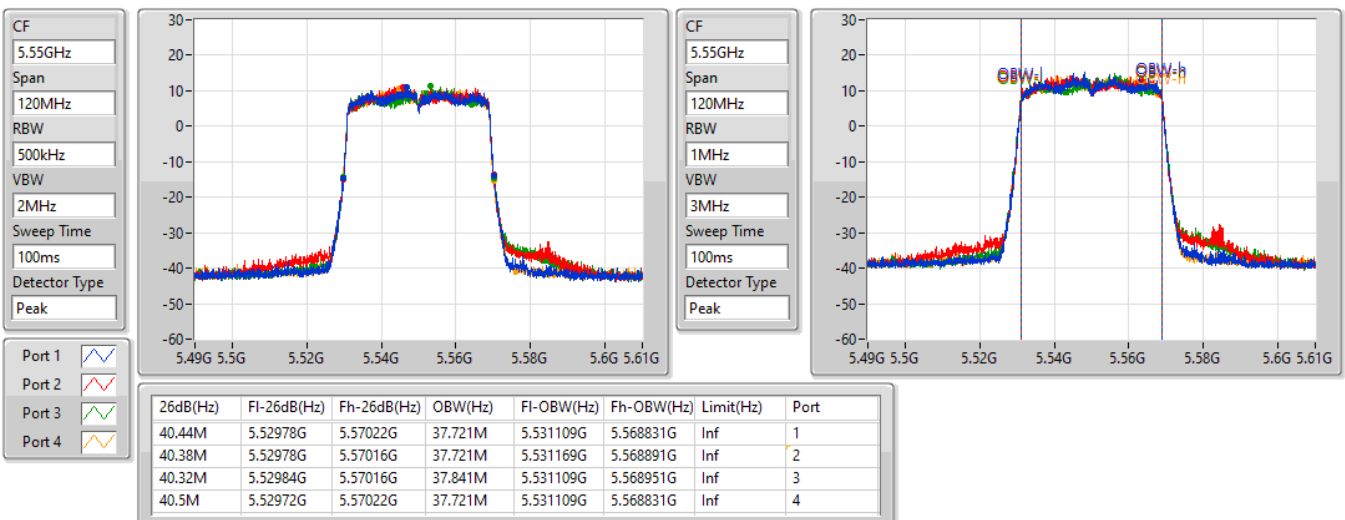


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5510MHz

02/11/2021


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5550MHz

02/11/2021

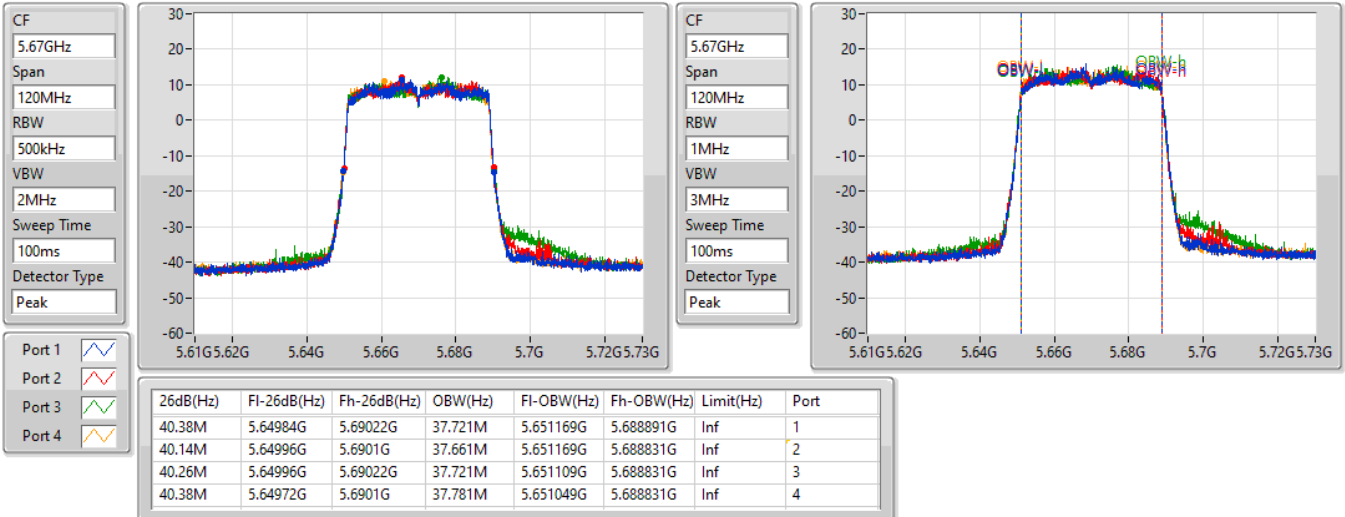


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

02/11/2021

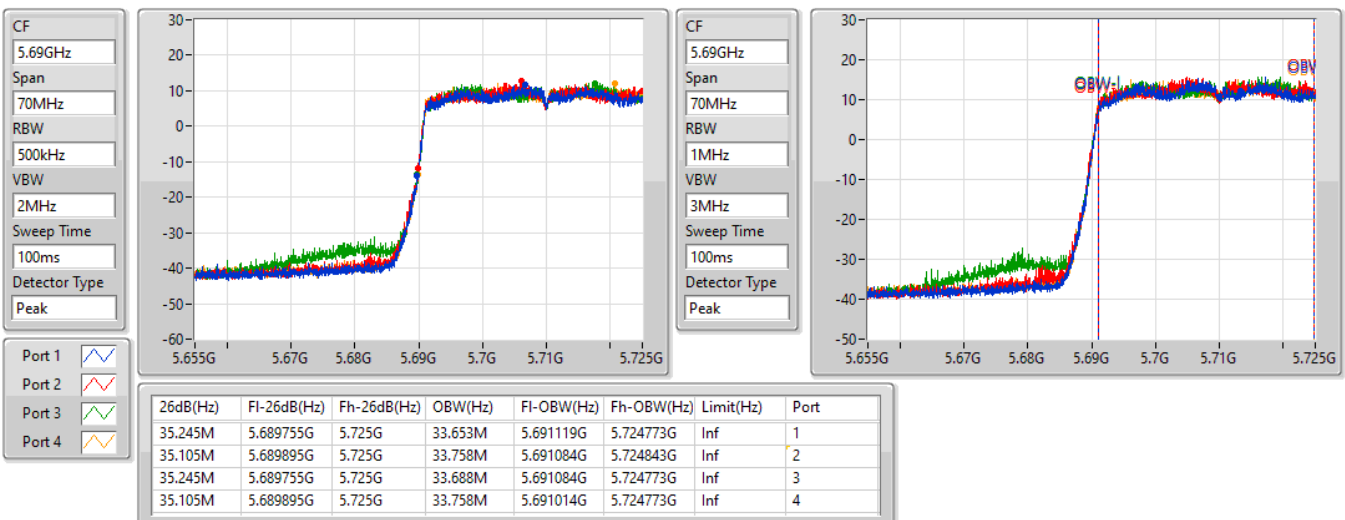


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

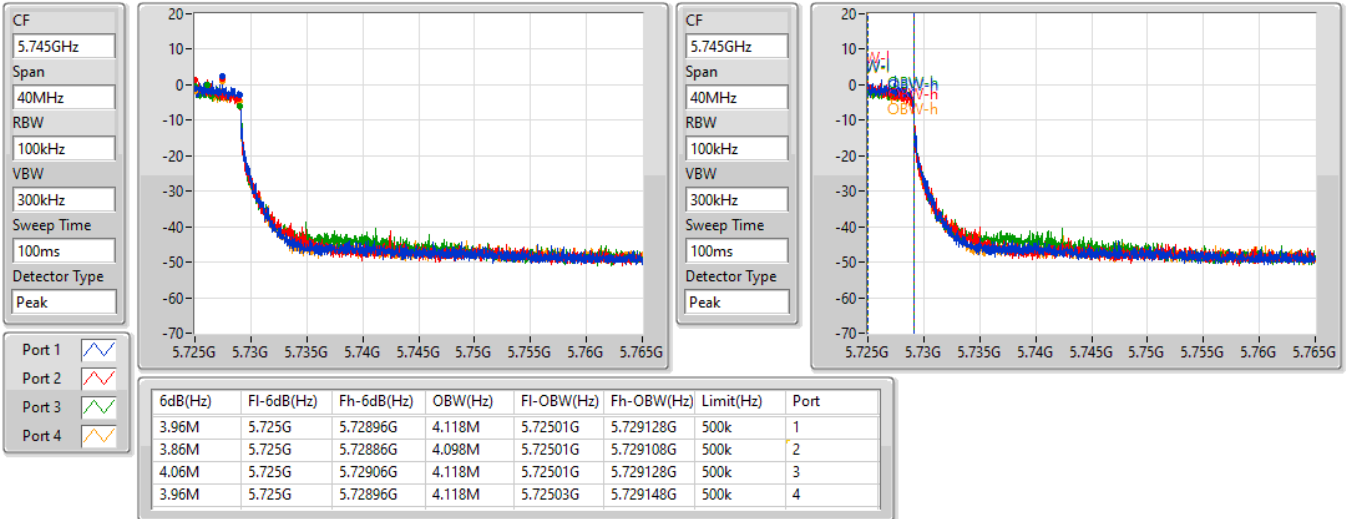
5710MHz Straddle 5.47-5.725GHz

02/11/2021

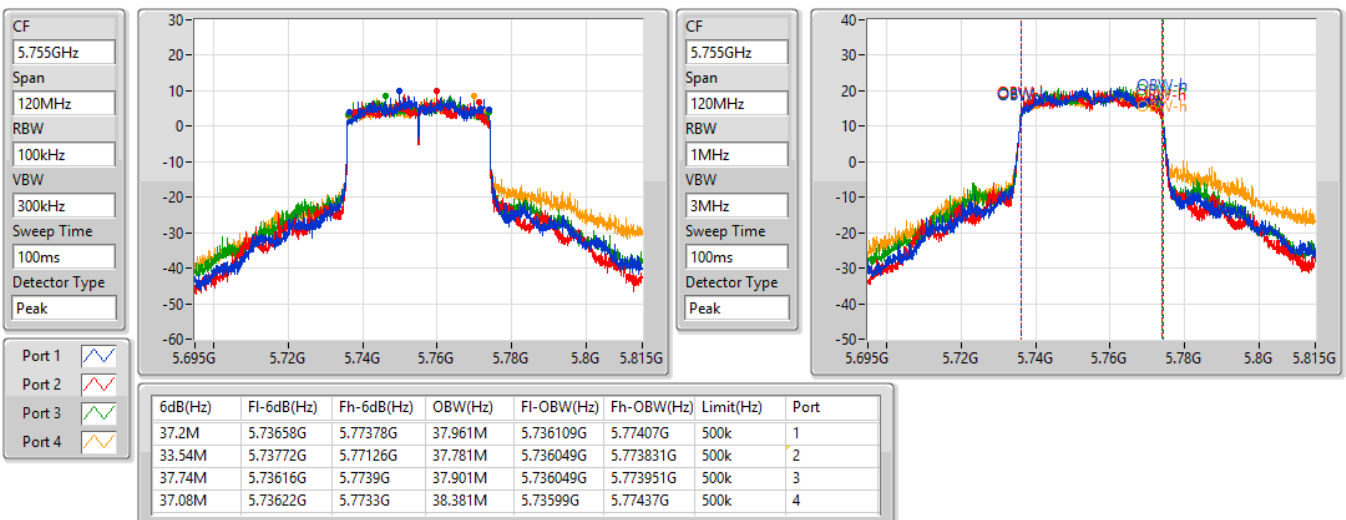


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

02/11/2021


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5755MHz

27/10/2021

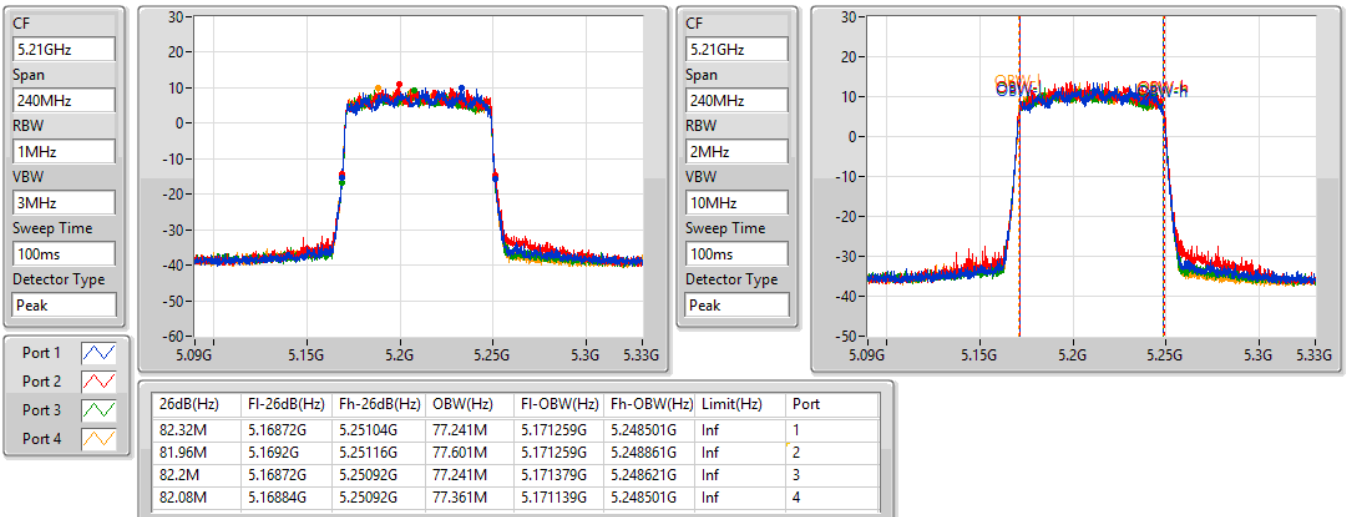


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5795MHz

27/10/2021


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5210MHz

27/10/2021

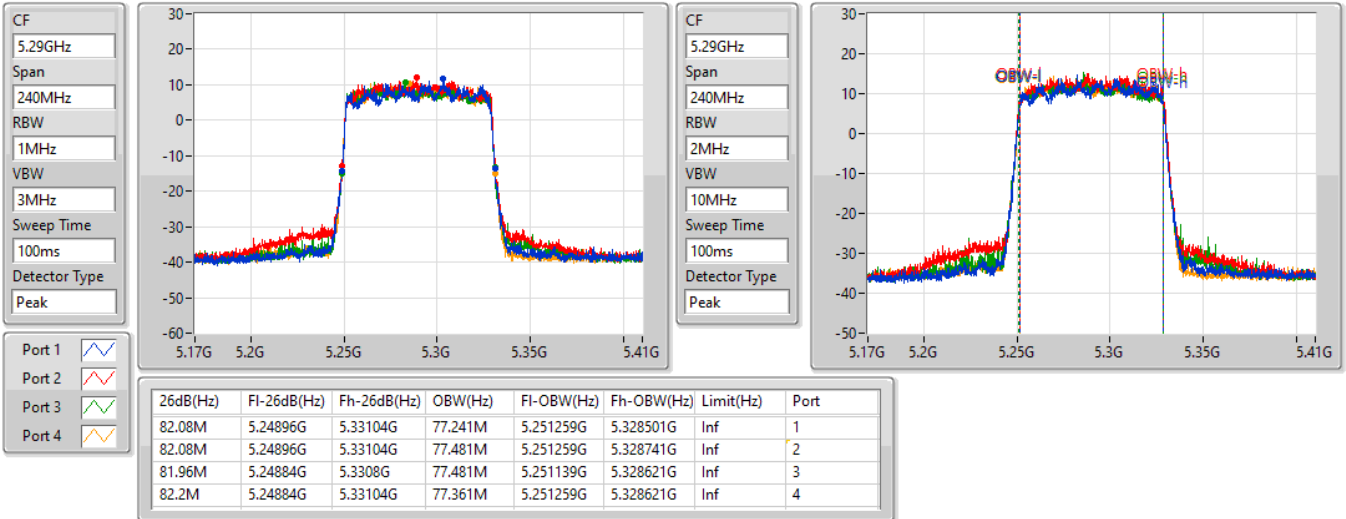


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

02/11/2021

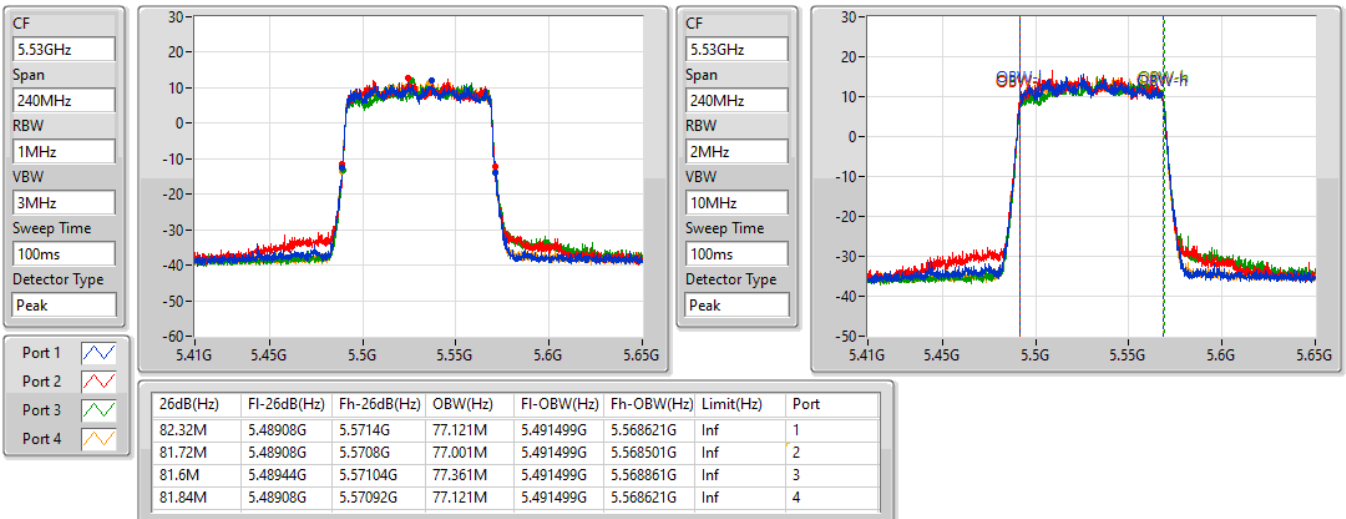


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

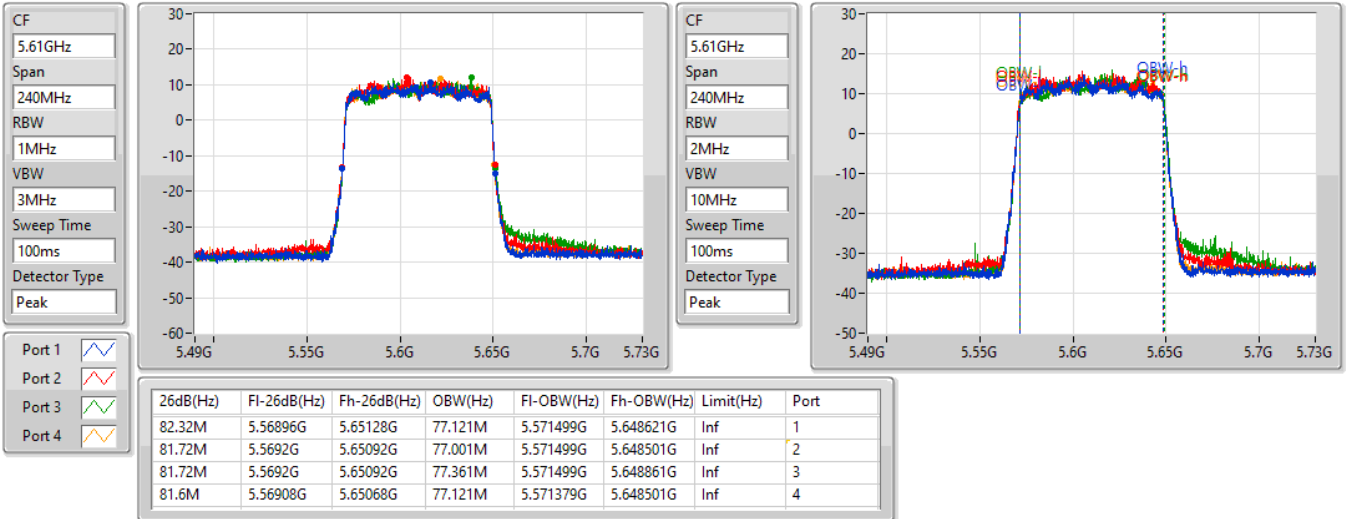
5530MHz

02/11/2021

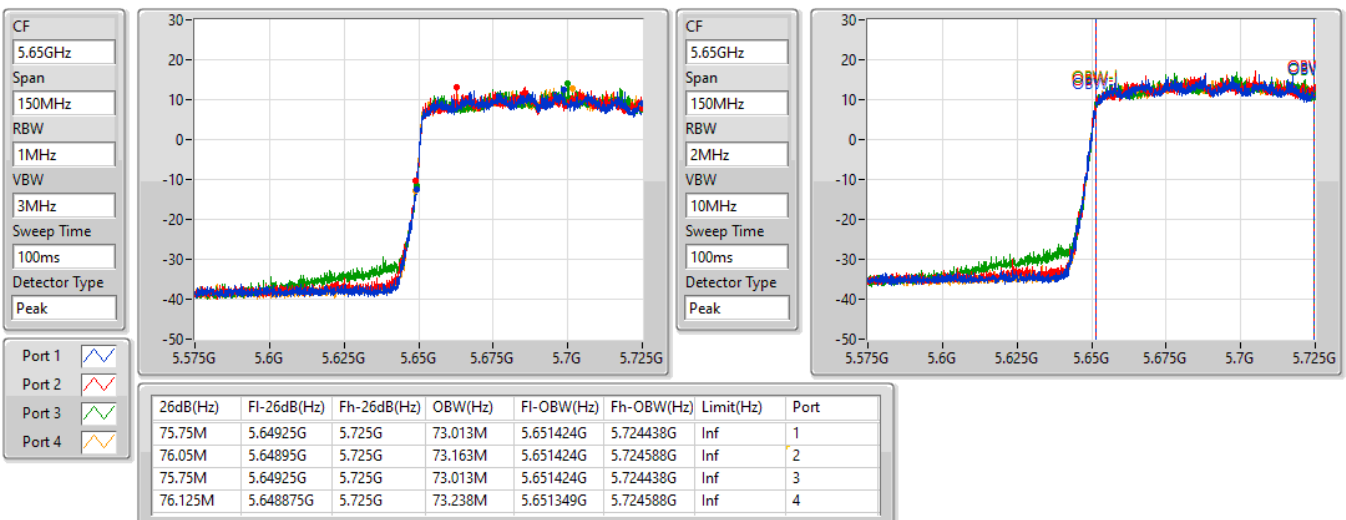


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5610MHz

02/11/2021

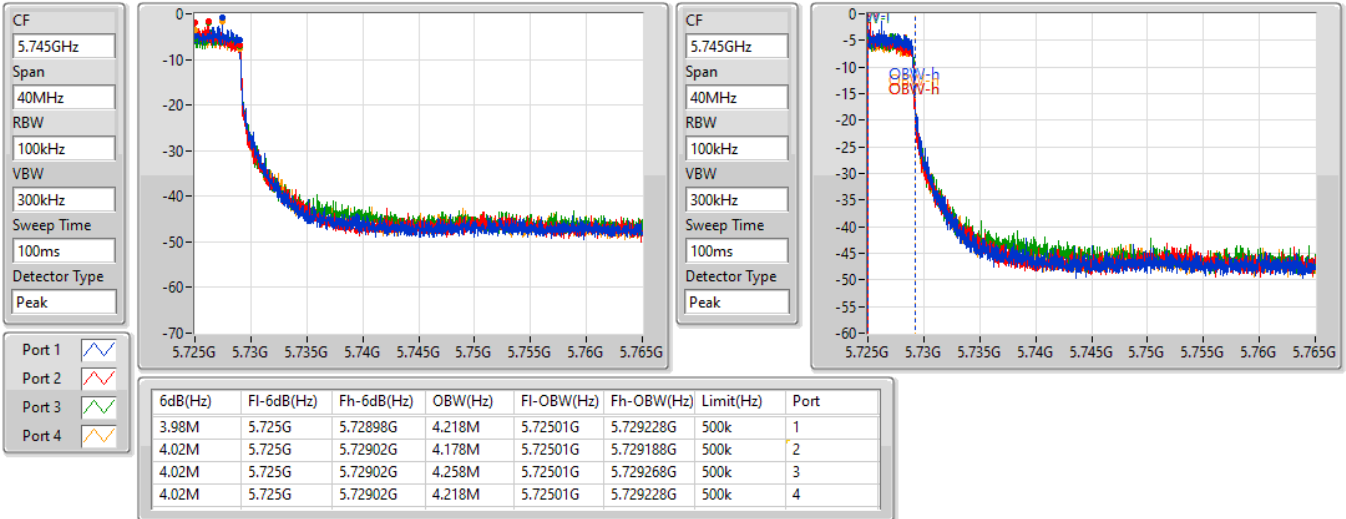

802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

02/11/2021



802.11ax HEW80_Nss1,(MCS0)_4TX
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5690MHz Straddle 5.725-5.85GHz

02/11/2021

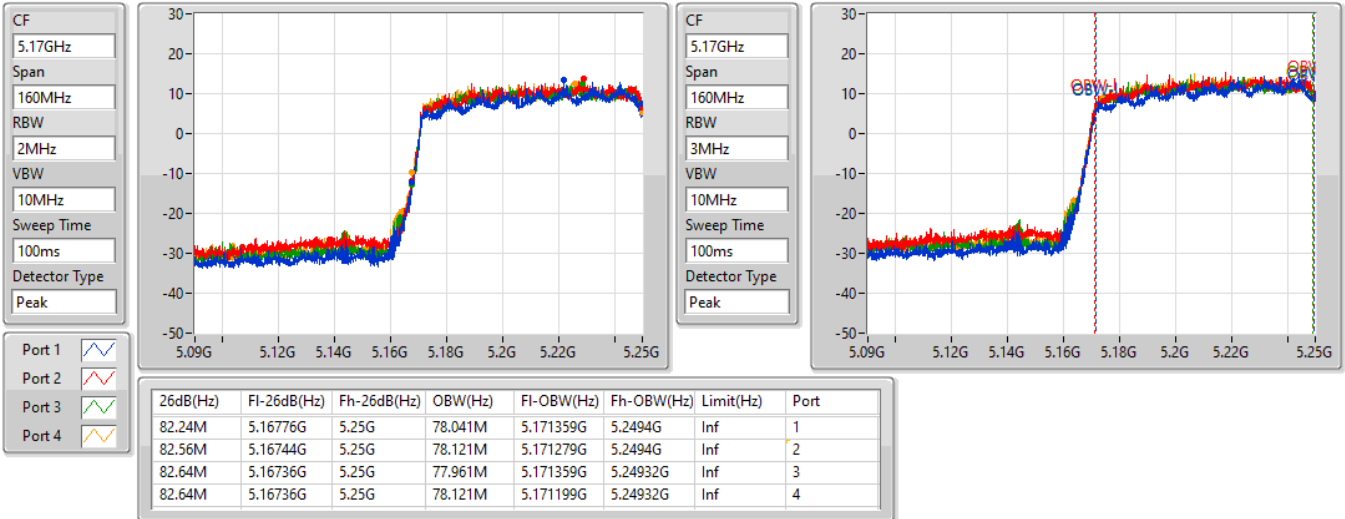

802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5775MHz

27/10/2021

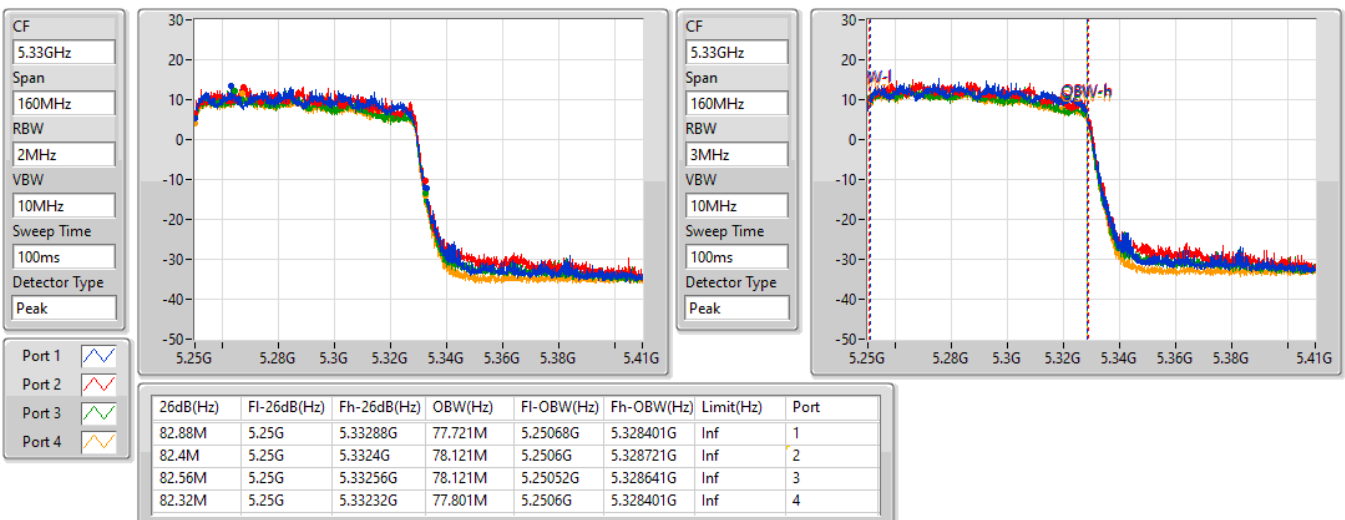


802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

02/11/2021


802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

02/11/2021

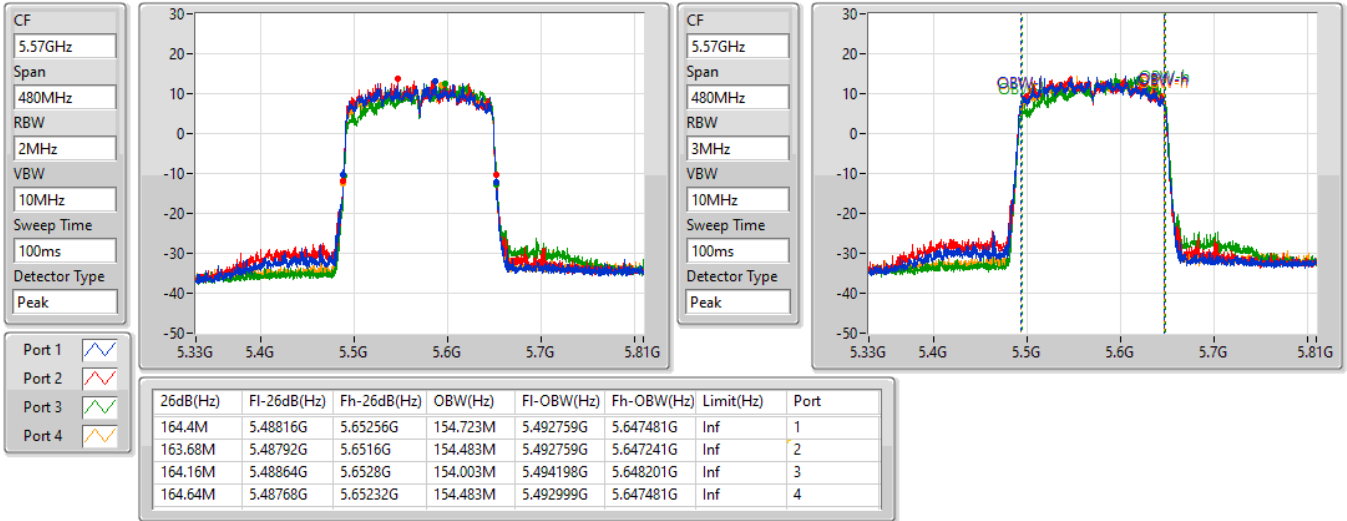


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5570MHz

02/11/2021



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.02M	19.16M	19M2D1D	21.3M	19.04M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.98M	38.081M	38M1D1D	40.32M	37.781M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.32M	77.721M	77M7D1D	81.12M	76.762M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.92M	78.921M	78M9D1D	81.04M	77.721M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.47M	19.25M	19M2D1D	21.06M	18.831M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	41.4M	38.081M	38M1D1D	39.54M	37.241M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.32M	77.721M	77M7D1D	81.72M	75.562M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	82.8M	78.361M	78M4D1D	81.84M	77.641M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.96M	19.19M	19M2D1D	15.48M	14.483M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	41.82M	38.201M	38M2D1D	35.14M	33.583M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	84.12M	77.961M	78M0D1D	75.75M	72.864M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	166.8M	156.402M	156MD1D	162M	153.763M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.11M	19.34M	19M3D1D	4.24M	4.598M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	38.1M	38.381M	38M4D1D	3.98M	4.118M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	77.76M	77.841M	77M8D1D	3.84M	4.238M

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

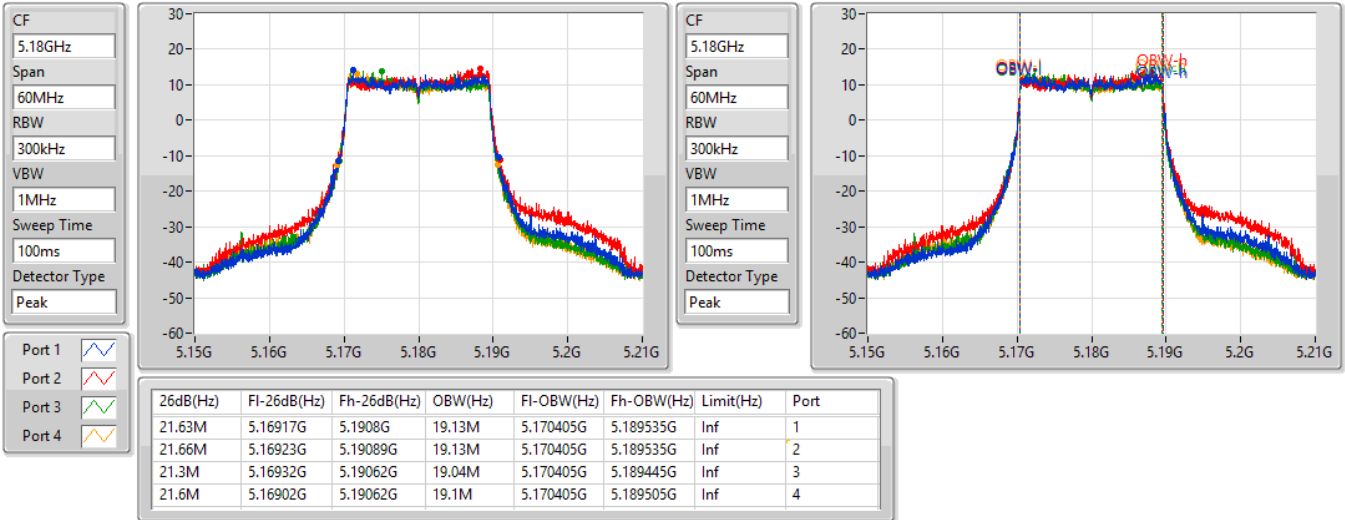
Result

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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.63M	19.13M	21.66M	19.13M	21.3M	19.04M	21.6M	19.1M
5200MHz	Pass	Inf	22.02M	19.13M	21.54M	19.13M	21.72M	19.04M	21.42M	19.1M
5240MHz	Pass	Inf	21.84M	19.1M	21.9M	19.16M	21.99M	19.04M	21.54M	19.13M
5260MHz	Pass	Inf	22.47M	19.25M	22.02M	19.19M	22.02M	19.16M	21.39M	18.921M
5300MHz	Pass	Inf	21.72M	19.13M	21.42M	18.981M	21.6M	19.07M	21.93M	19.04M
5320MHz	Pass	Inf	21.06M	18.831M	21.78M	18.981M	21.75M	19.19M	21.27M	19.04M
5500MHz	Pass	Inf	21.93M	19.13M	21.9M	19.1M	21.27M	19.1M	21.54M	19.07M
5580MHz	Pass	Inf	21.93M	19.07M	21.69M	19.13M	21.6M	19.07M	21.69M	19.04M
5700MHz	Pass	Inf	21.96M	19.07M	21.39M	18.951M	21.51M	19.19M	21.87M	19.16M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.915M	14.573M	15.48M	14.483M	15.855M	14.558M	16.155M	14.558M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	4.618M	4.5M	4.638M	4.24M	4.618M	4.46M	4.598M
5745MHz	Pass	500k	18.9M	19.1M	19.05M	19.16M	19.02M	19.13M	19.08M	19.19M
5785MHz	Pass	500k	18.39M	19.13M	19.11M	19.19M	19.02M	19.13M	19.05M	19.16M
5825MHz	Pass	500k	18.99M	19.16M	19.11M	19.25M	19.05M	19.16M	19.11M	19.34M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.44M	37.781M	40.38M	37.961M	40.44M	37.781M	40.32M	37.781M
5230MHz	Pass	Inf	40.98M	37.781M	40.68M	38.081M	40.5M	37.901M	40.56M	37.901M
5270MHz	Pass	Inf	40.68M	37.781M	40.74M	38.081M	40.08M	37.241M	39.54M	37.241M
5310MHz	Pass	Inf	40.74M	37.781M	41.4M	37.361M	41.22M	37.421M	41.16M	37.421M
5510MHz	Pass	Inf	41.82M	38.141M	41.46M	37.841M	40.26M	37.541M	40.32M	37.601M
5550MHz	Pass	Inf	40.08M	37.901M	41.76M	37.901M	40.56M	38.081M	40.38M	38.201M
5670MHz	Pass	Inf	40.68M	37.901M	40.38M	37.661M	40.8M	37.841M	40.5M	37.541M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.455M	33.583M	35.595M	33.618M	35.14M	33.688M	35.665M	33.793M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	4.118M	3.98M	4.138M	4.02M	4.138M	4.12M	4.178M
5755MHz	Pass	500k	36.66M	37.901M	34.86M	37.721M	35.04M	37.901M	34.2M	38.261M
5795MHz	Pass	500k	34.44M	37.961M	38.1M	38.381M	37.5M	37.901M	36.78M	38.261M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.32M	77.721M	81.72M	76.762M	81.72M	77.721M	81.12M	77.121M
5290MHz	Pass	Inf	81.72M	75.562M	82.32M	77.721M	81.84M	77.121M	82.08M	77.241M
5530MHz	Pass	Inf	82.8M	77.241M	83.64M	77.961M	84.12M	77.001M	82.08M	77.361M
5610MHz	Pass	Inf	81.36M	77.721M	82.44M	77.841M	84.12M	76.282M	82.44M	77.121M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.975M	73.388M	77.55M	72.939M	76.2M	72.939M	75.75M	72.864M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	4.238M	3.84M	4.238M	4.04M	4.258M	3.88M	4.238M
5775MHz	Pass	500k	77.52M	77.721M	65.04M	76.282M	76.92M	77.601M	77.76M	77.841M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.12M	78.041M	81.92M	78.041M	81.36M	77.721M	81.04M	78.921M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.56M	77.641M	82.56M	78.361M	82.8M	77.961M	81.84M	77.721M
5570MHz	Pass	Inf	163.68M	154.483M	163.2M	153.763M	166.8M	154.003M	162M	156.402M

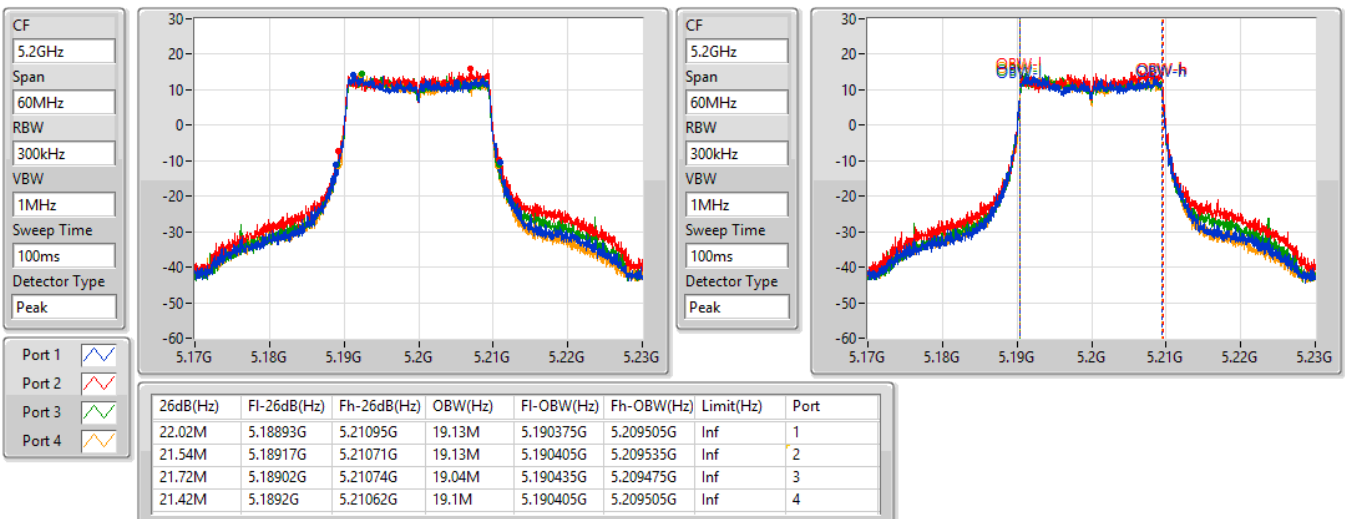
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5180MHz

27/10/2021

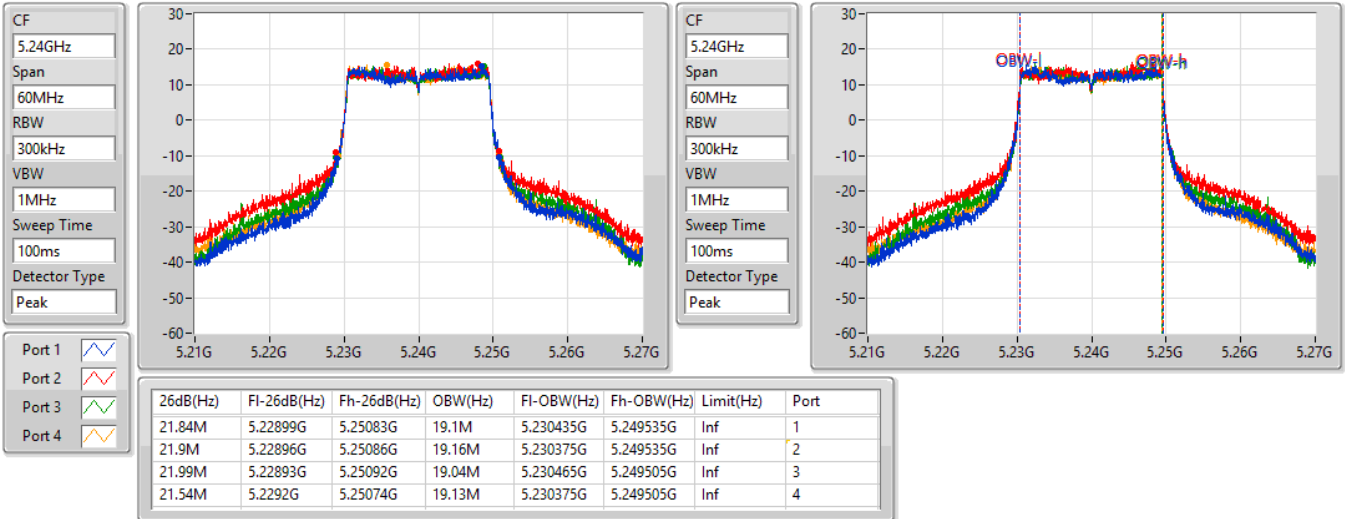

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5200MHz

27/10/2021

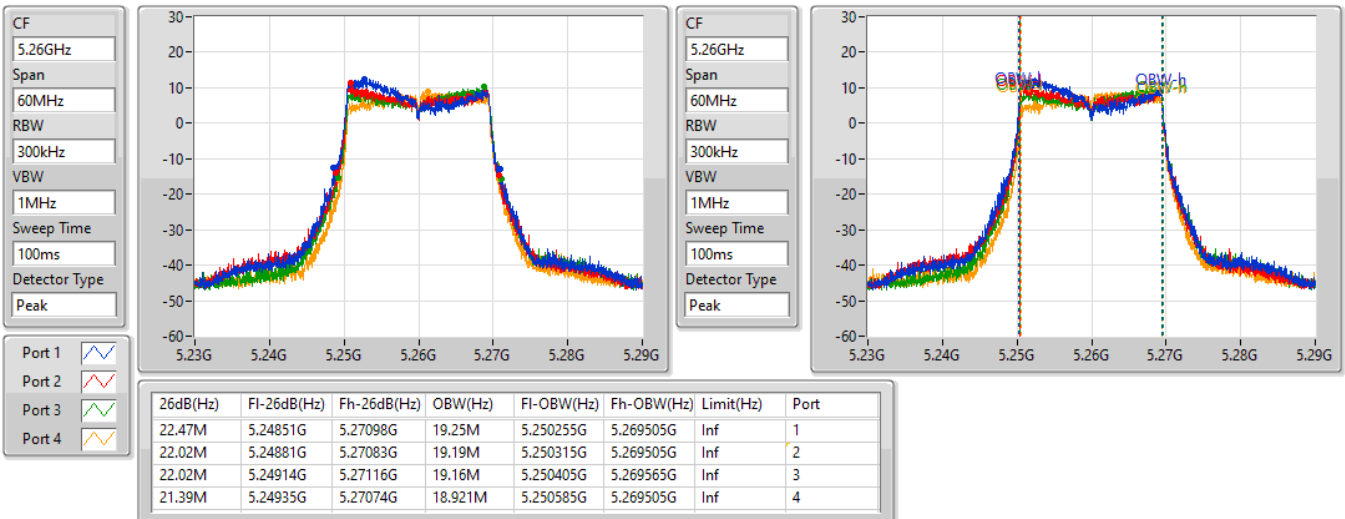


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5240MHz

27/10/2021

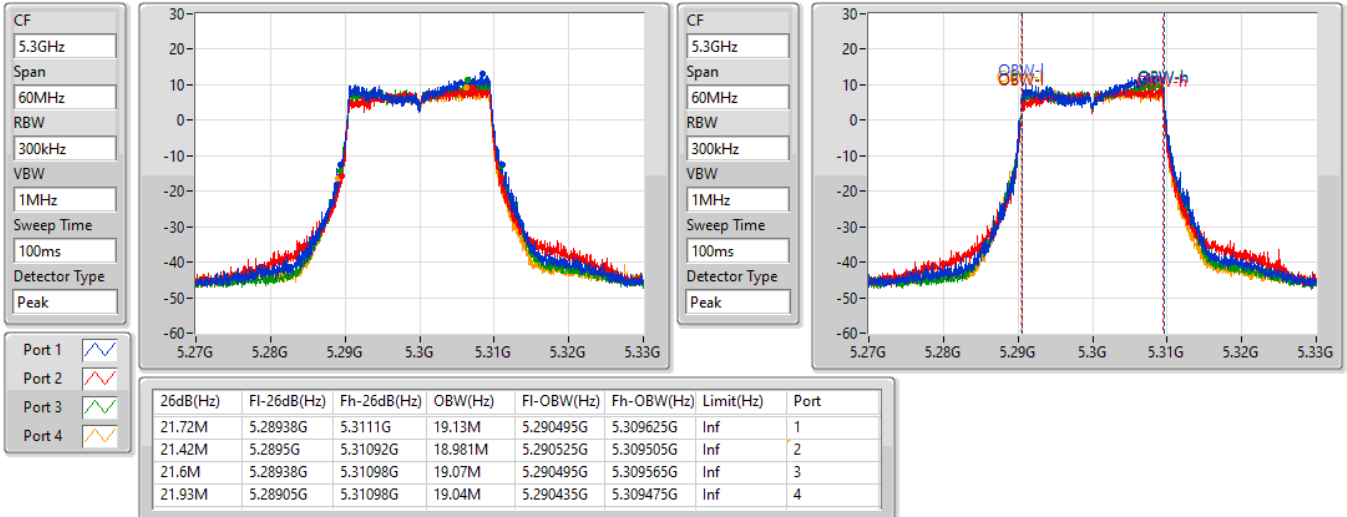

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5260MHz

03/11/2021

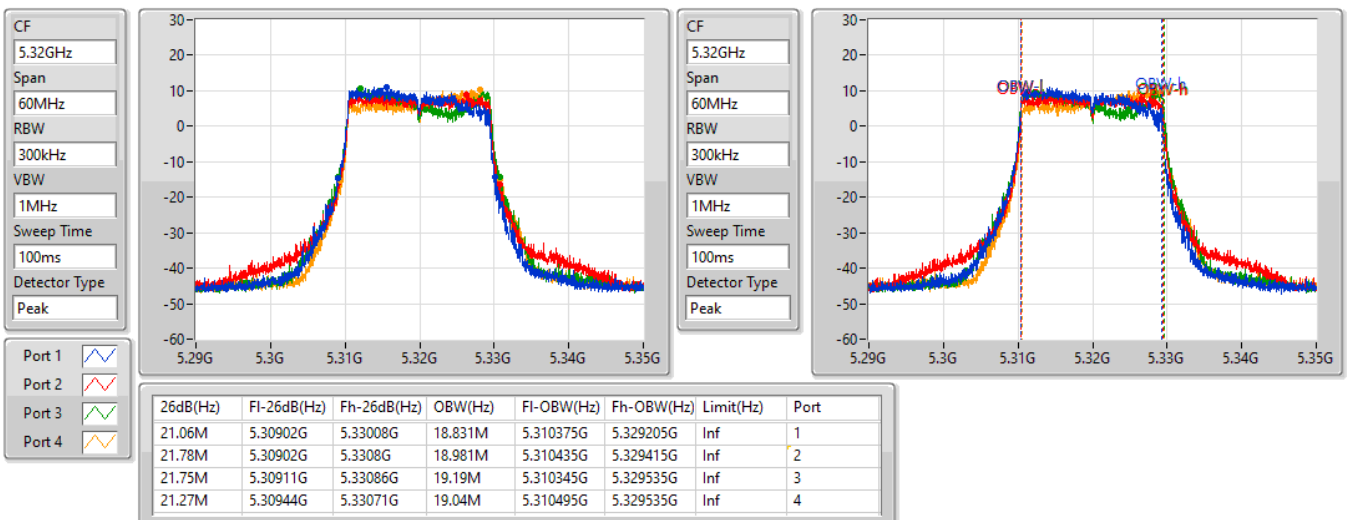


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5300MHz

03/11/2021

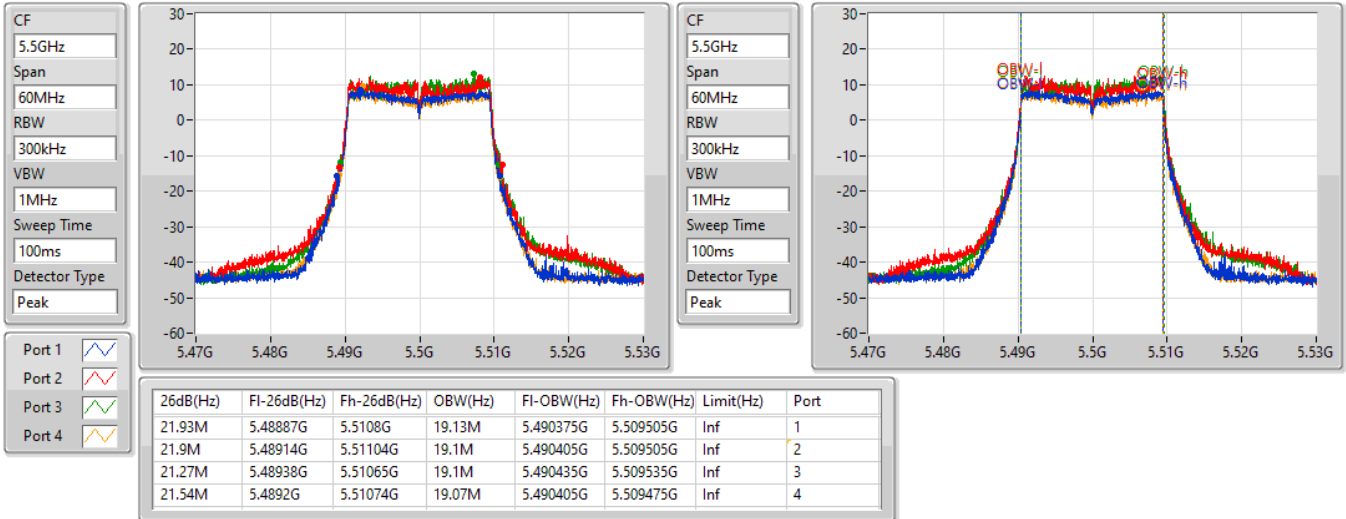

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5320MHz

03/11/2021

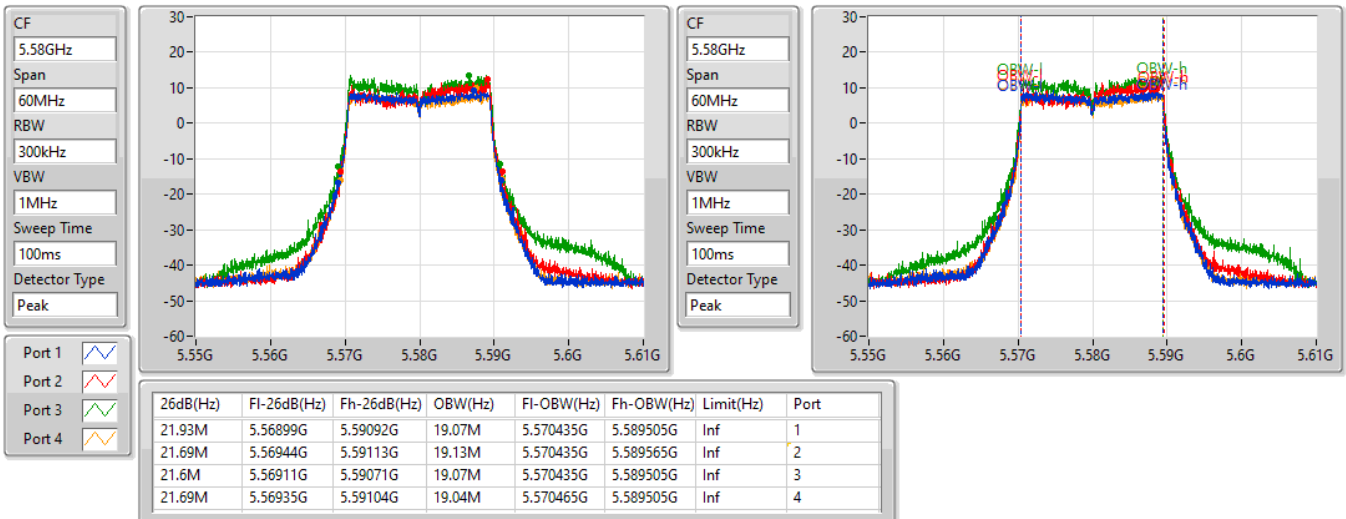


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5500MHz

03/11/2021

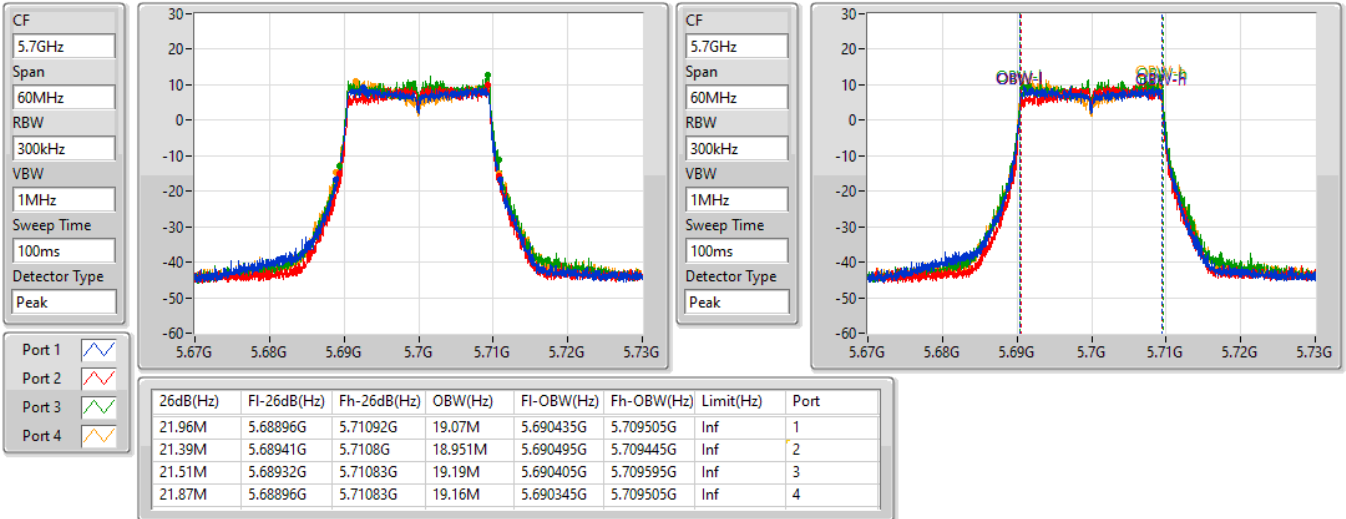

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5580MHz

03/11/2021

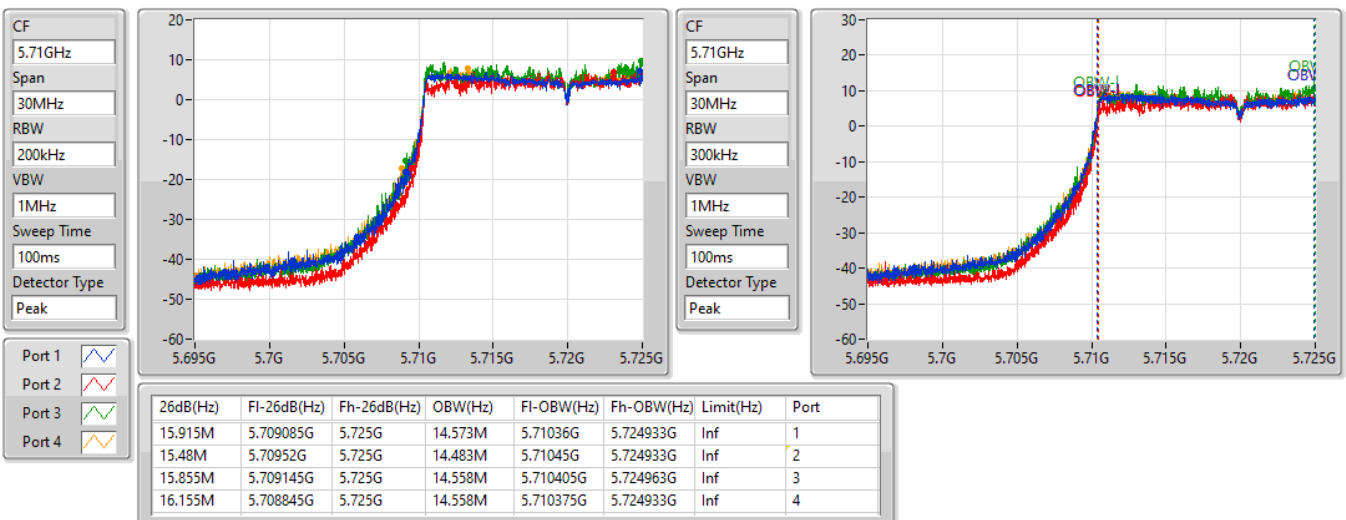


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5700MHz

03/11/2021

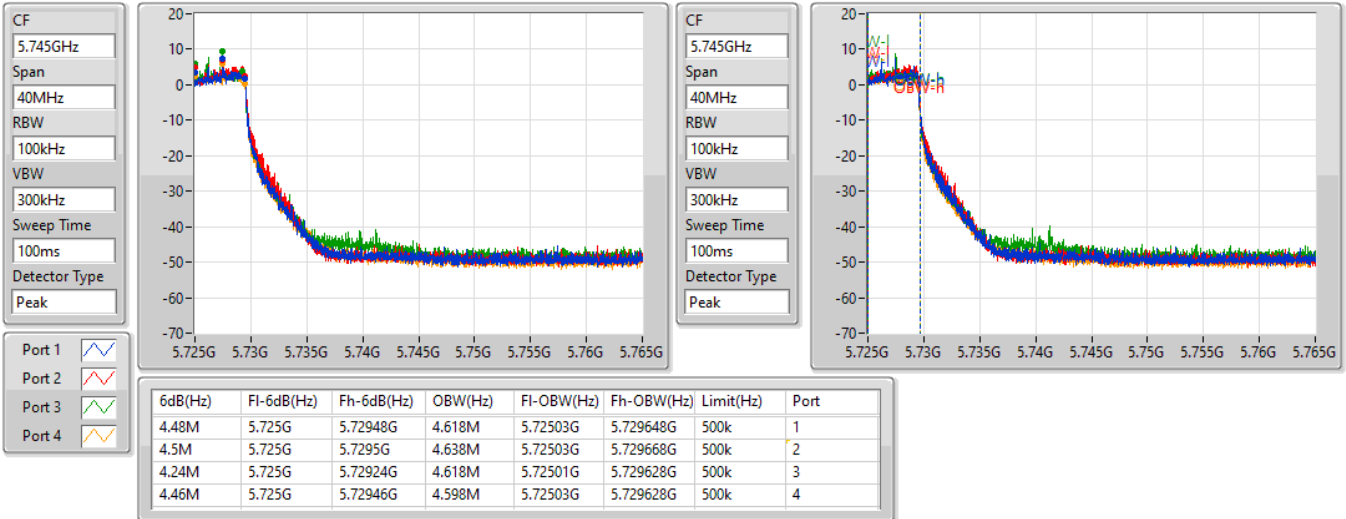

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

03/11/2021

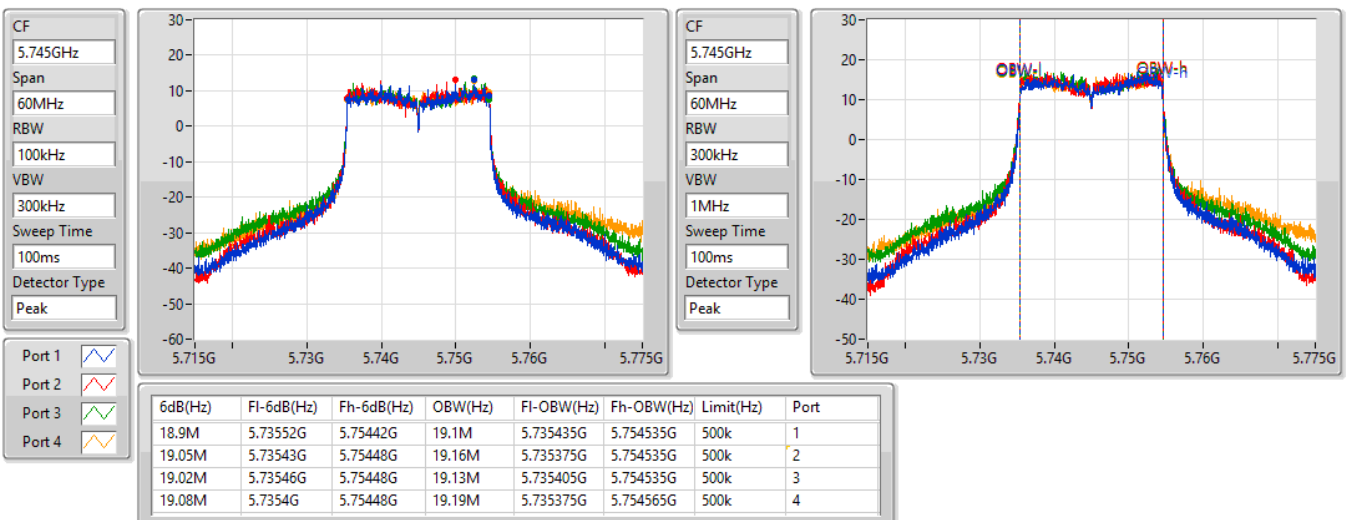


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

03/11/2021


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5745MHz

27/10/2021

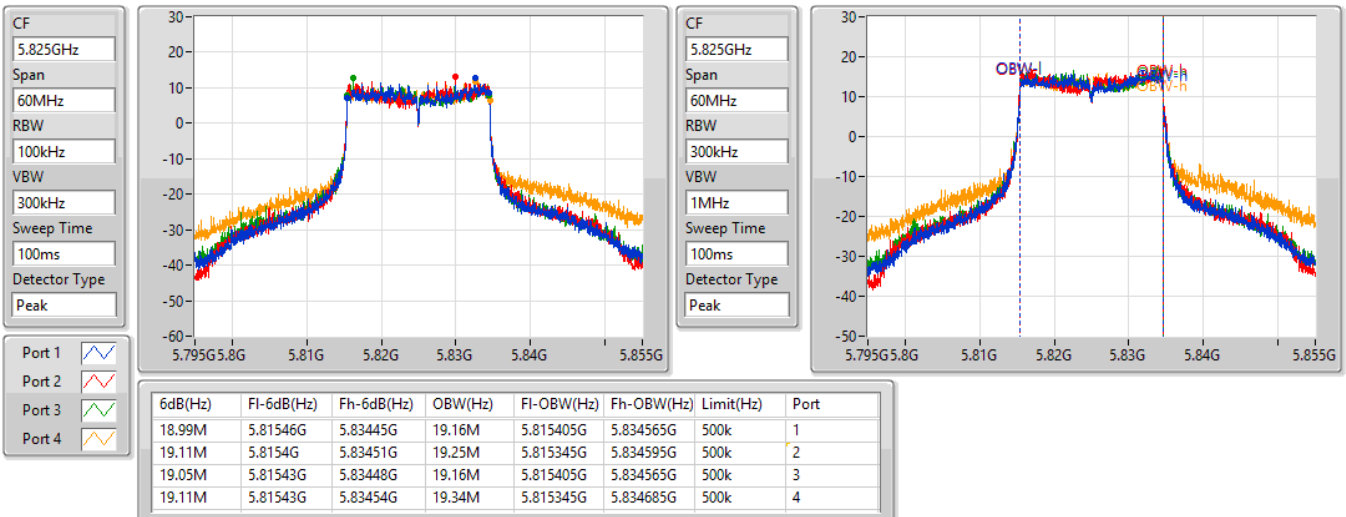


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5785MHz

27/10/2021

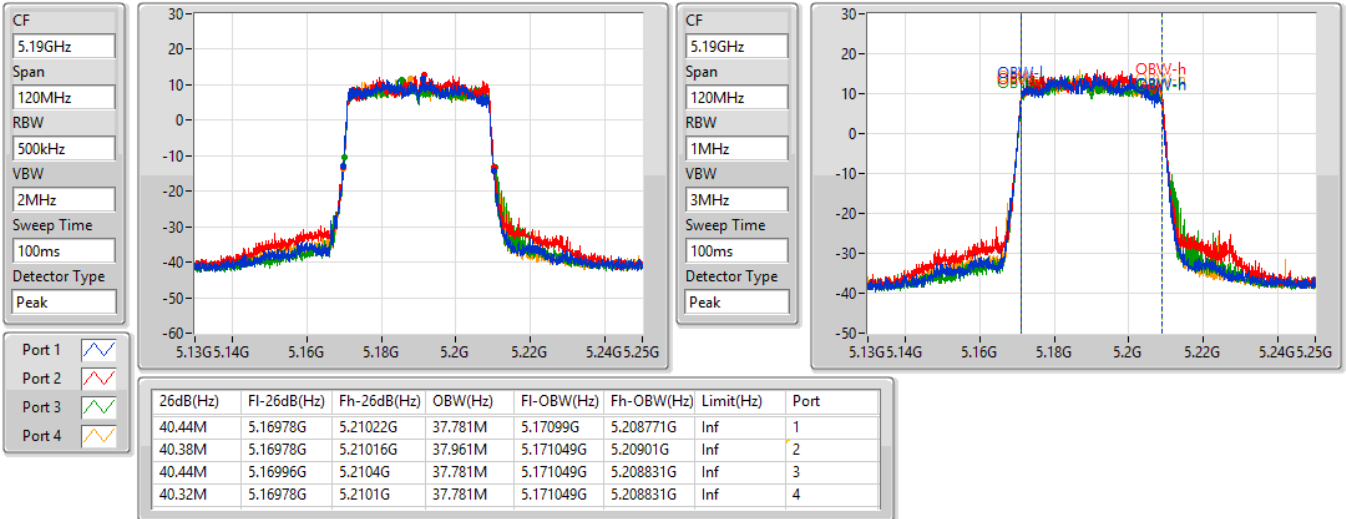

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5825MHz

27/10/2021

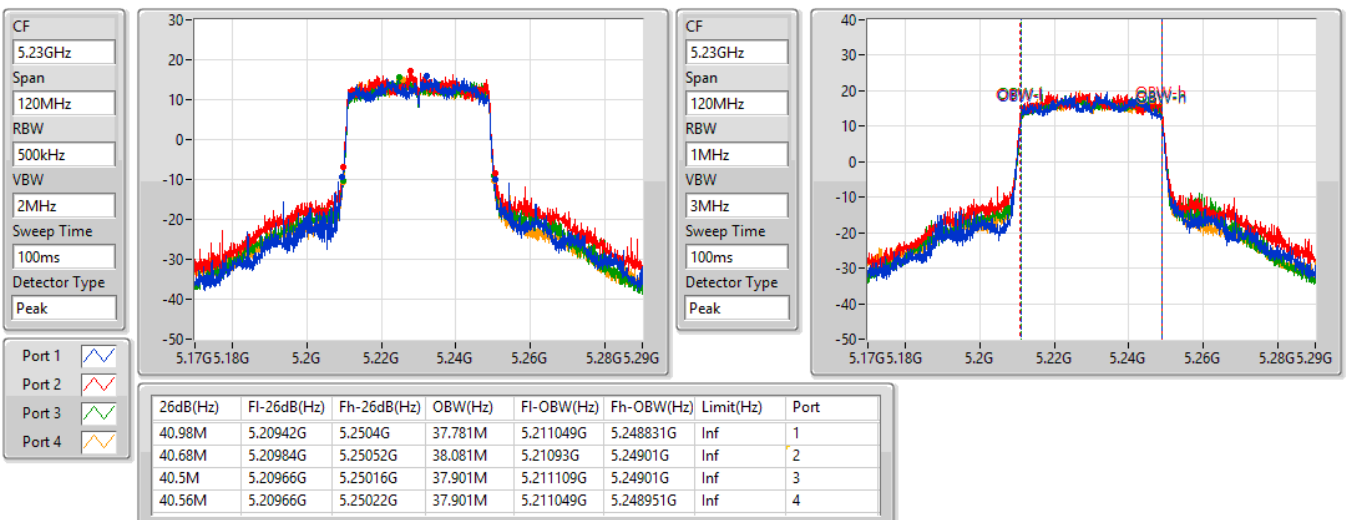


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5190MHz

27/10/2021

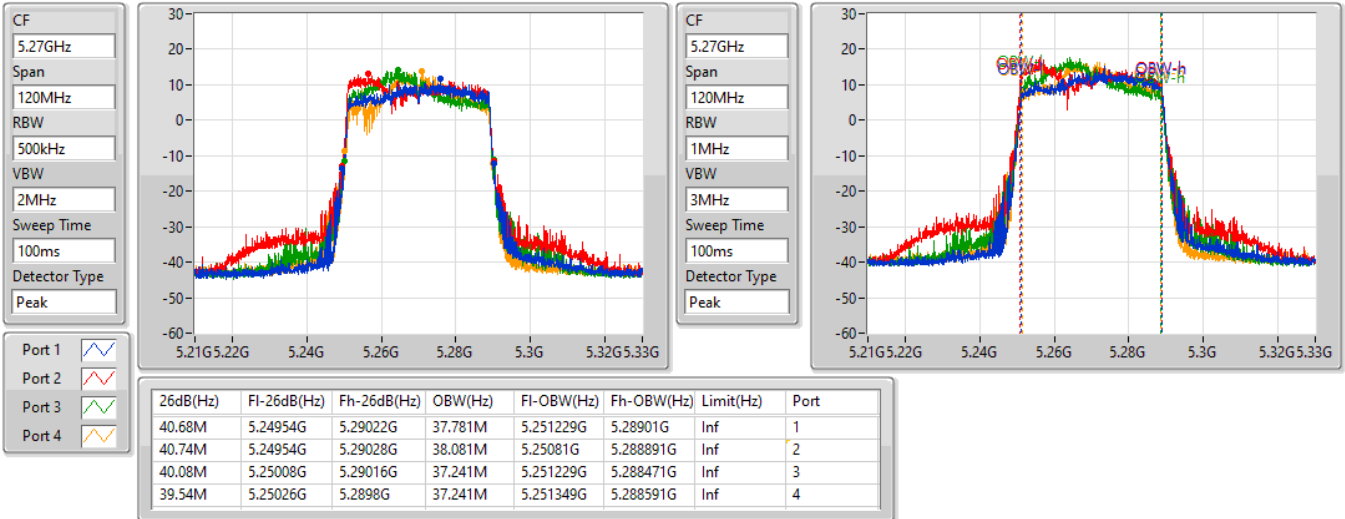

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5230MHz

27/10/2021

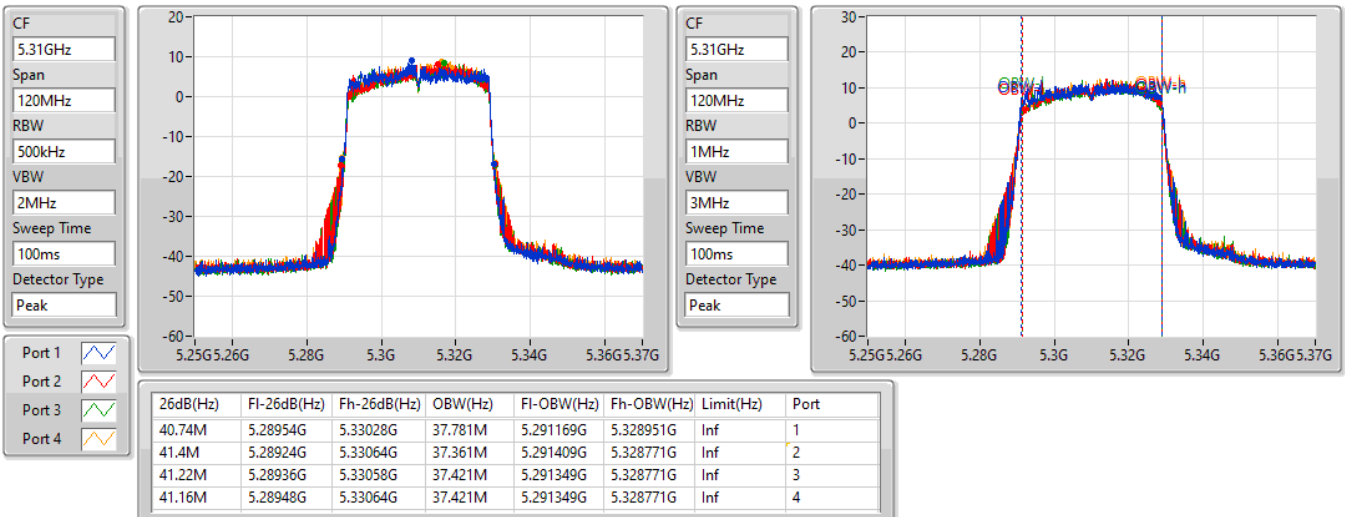


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5270MHz

03/11/2021

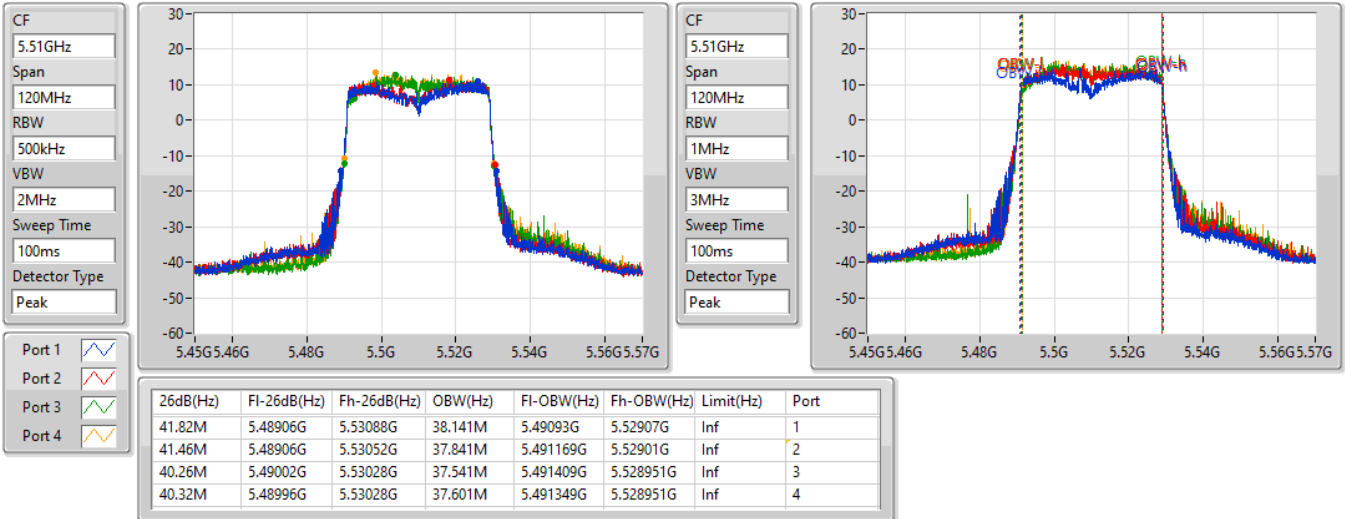

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5310MHz

03/11/2021

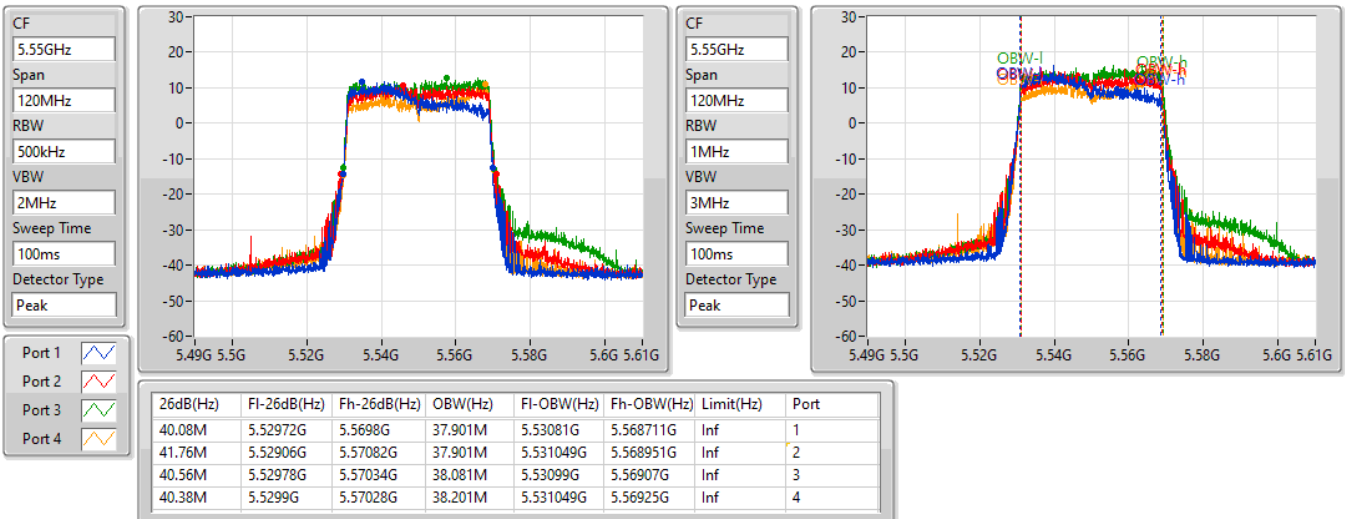


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5510MHz

03/11/2021

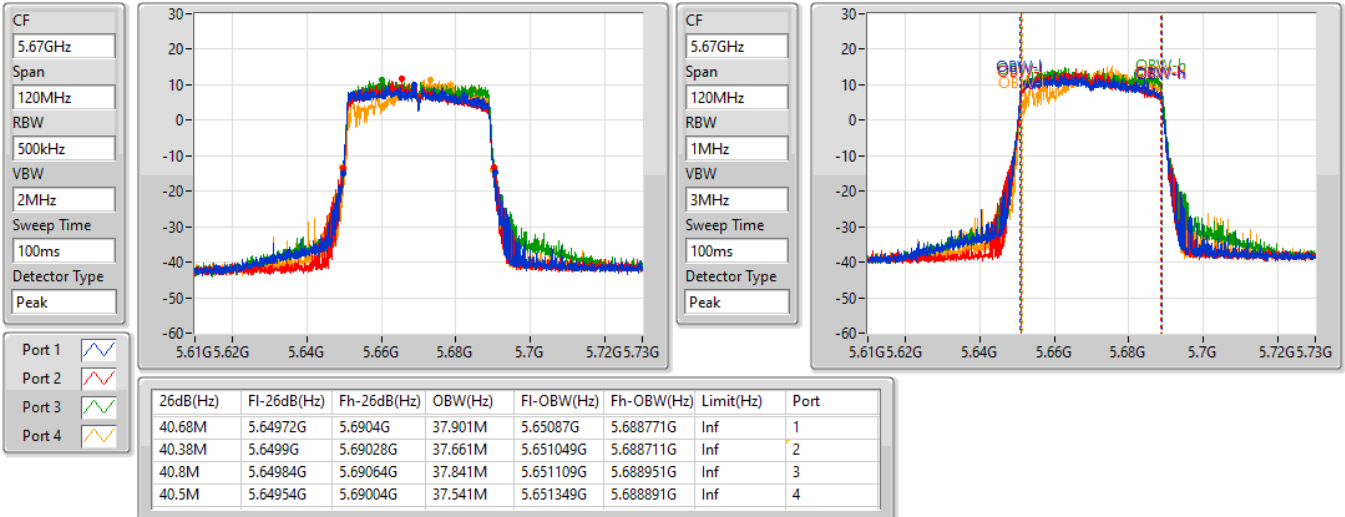

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5550MHz

03/11/2021

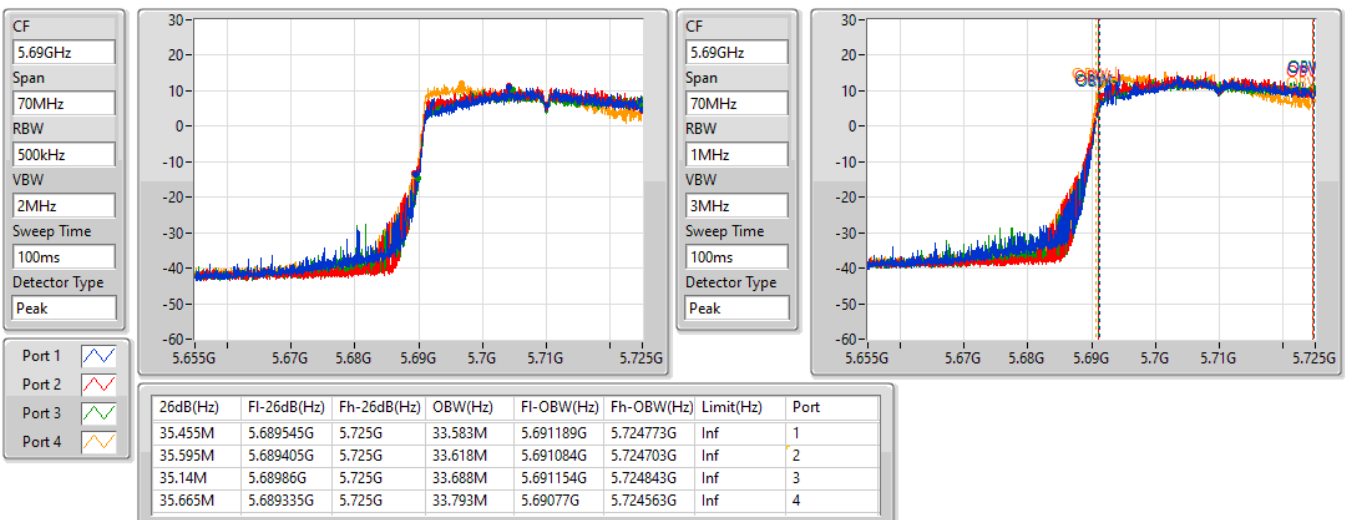


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5670MHz

03/11/2021

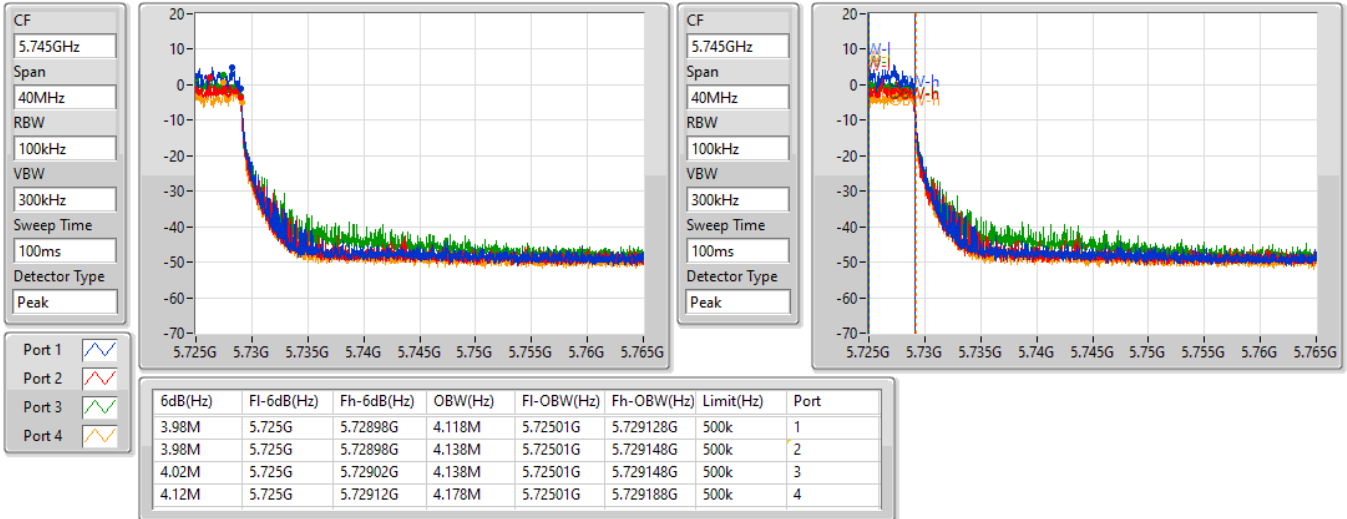

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

03/11/2021

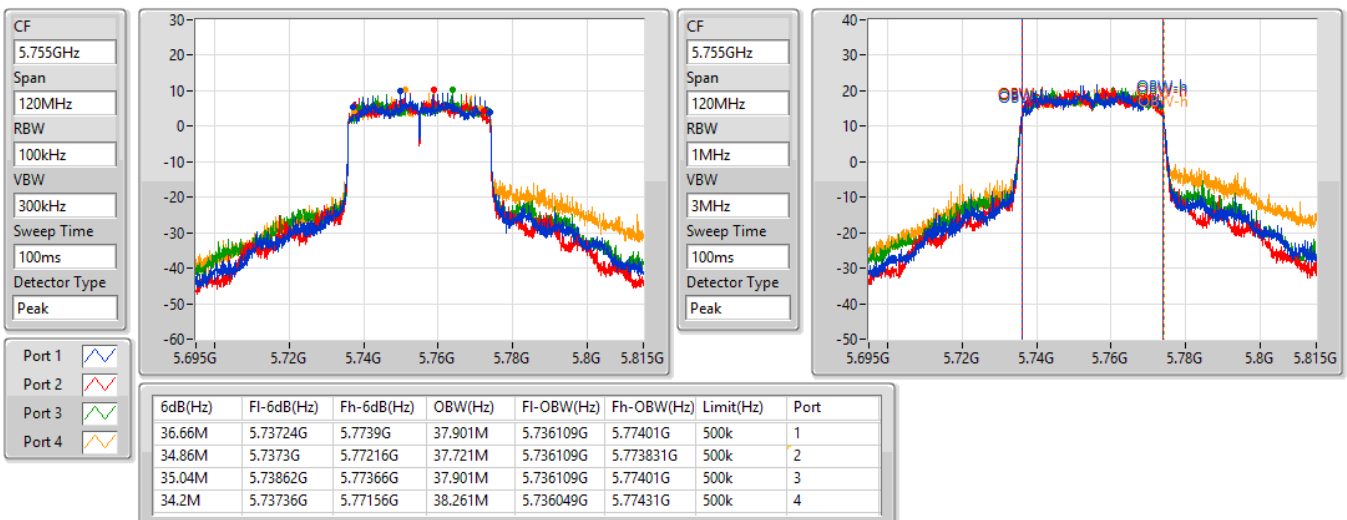


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

03/11/2021


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5755MHz

27/10/2021

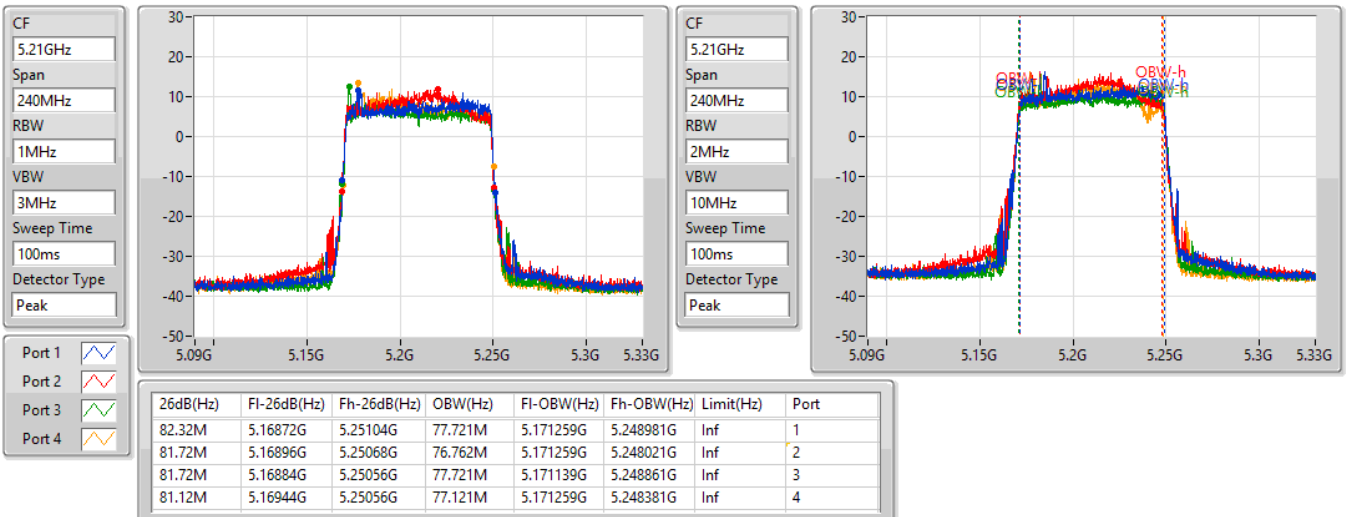


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5795MHz

27/10/2021

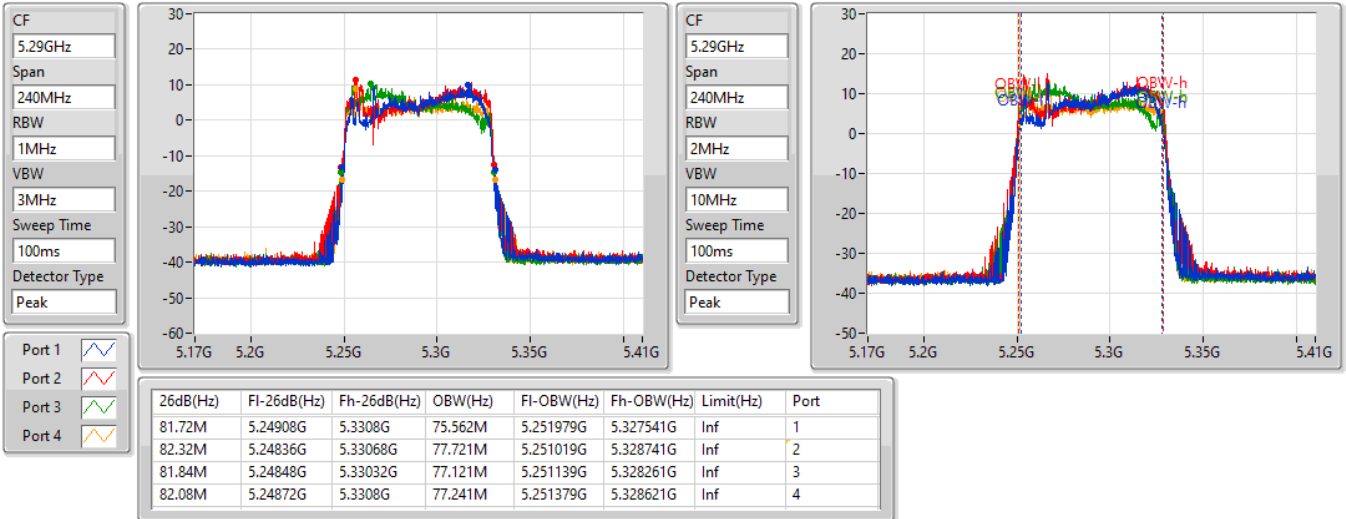

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5210MHz

27/10/2021

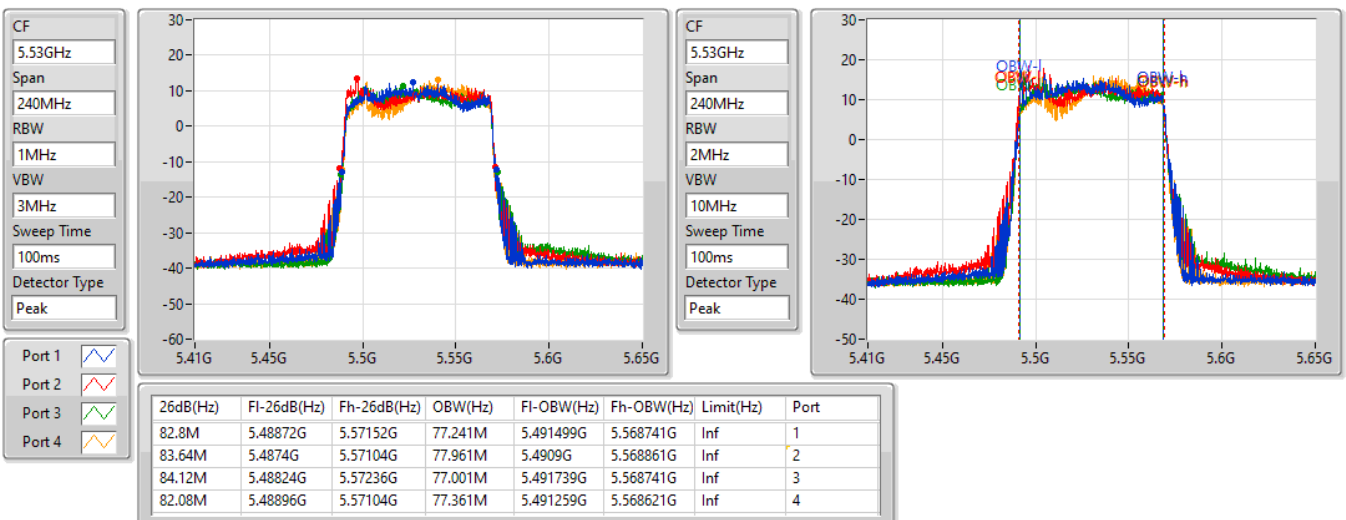


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5290MHz

03/11/2021

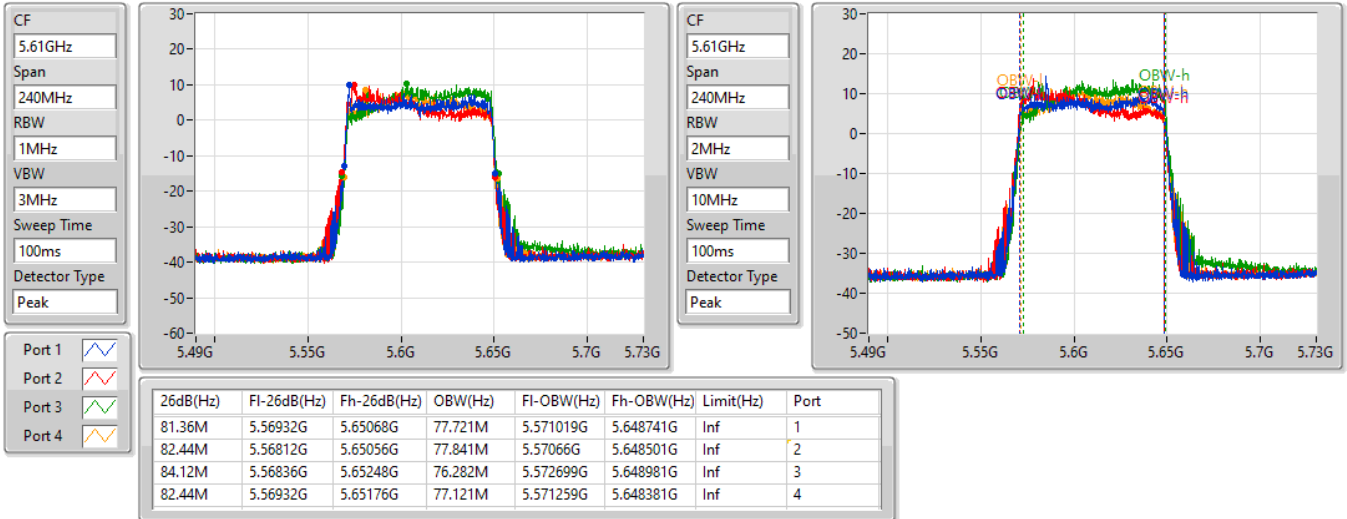

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5530MHz

03/11/2021

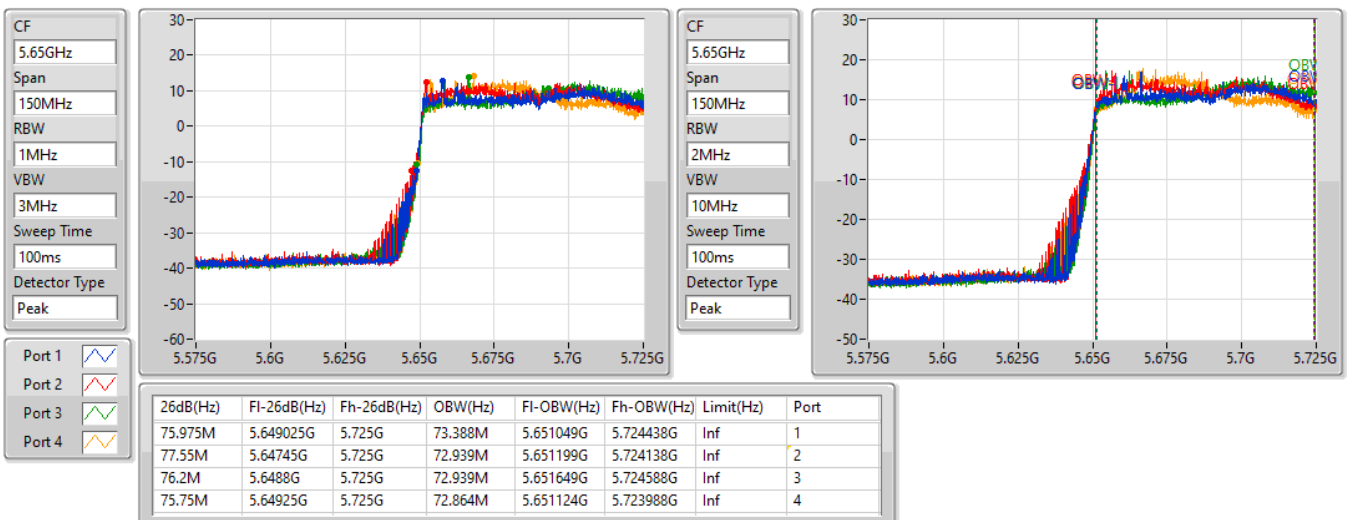


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5610MHz

03/11/2021

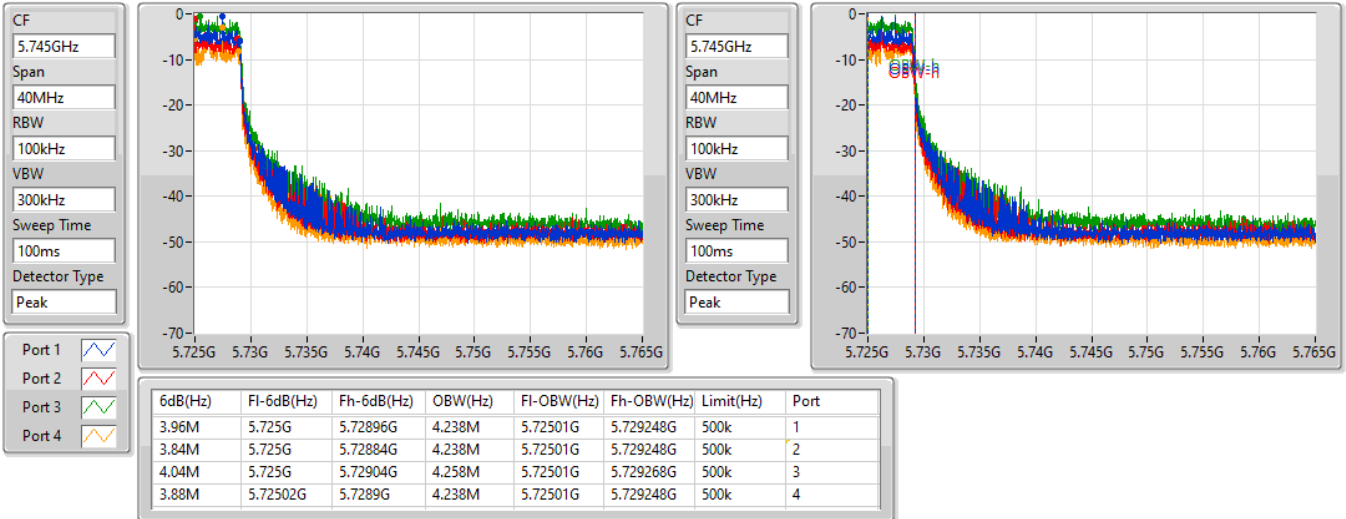

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

03/11/2021

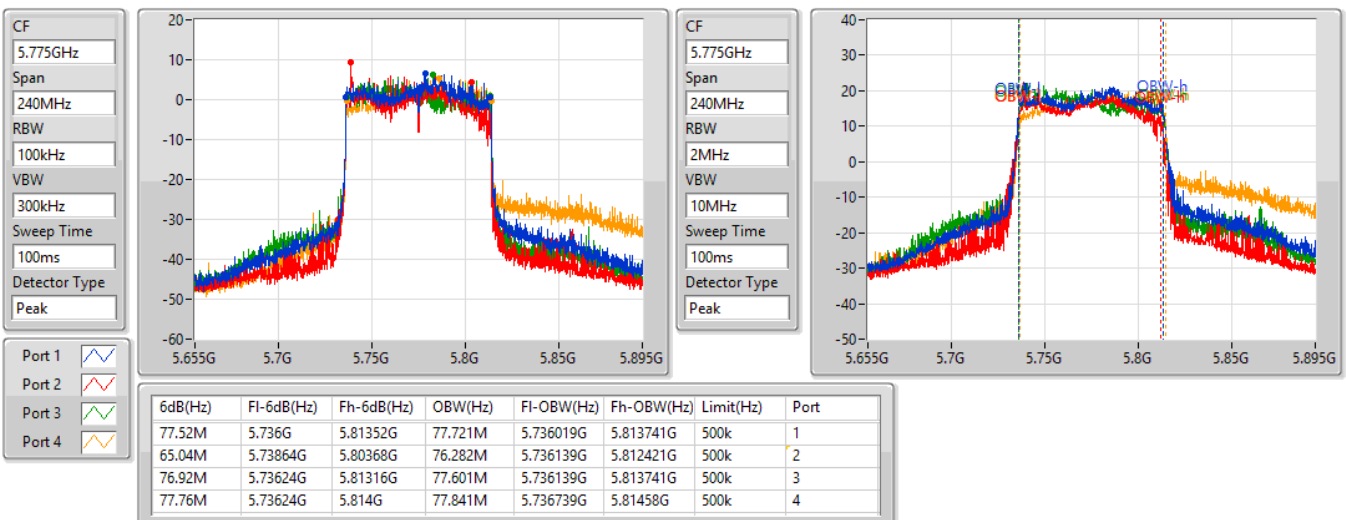


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

03/11/2021

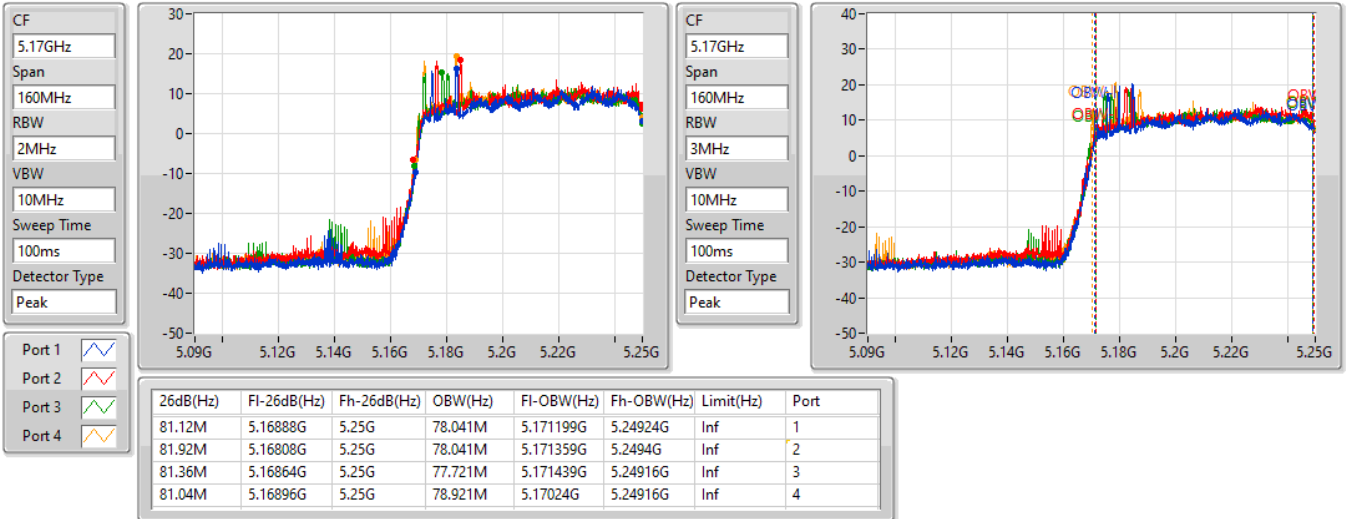

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5775MHz

27/10/2021

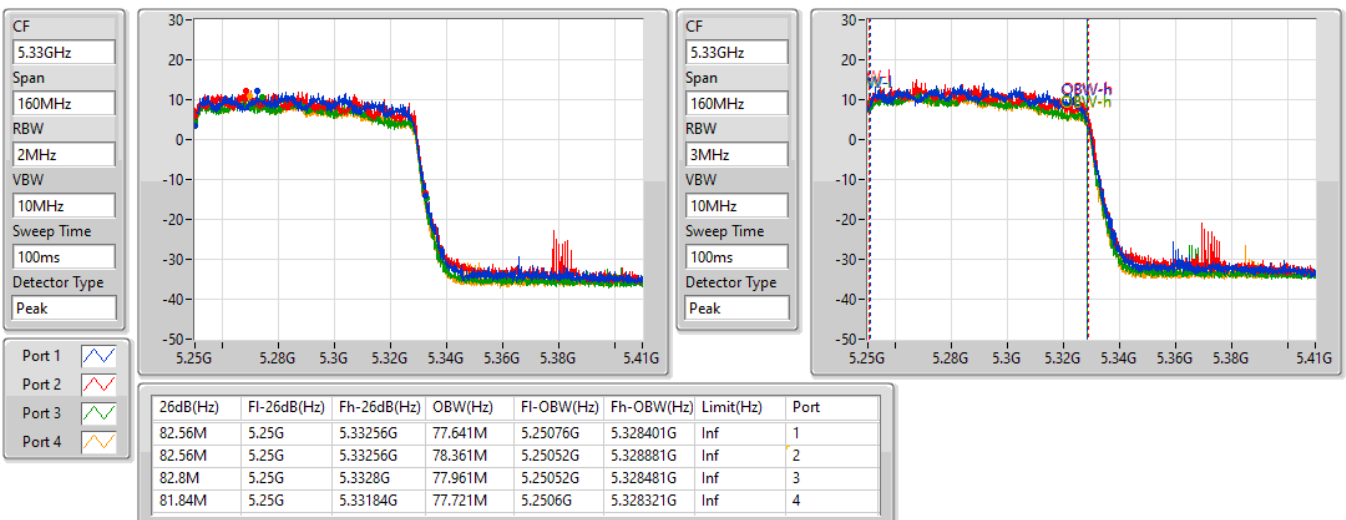


802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

03/11/2021


802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

03/11/2021

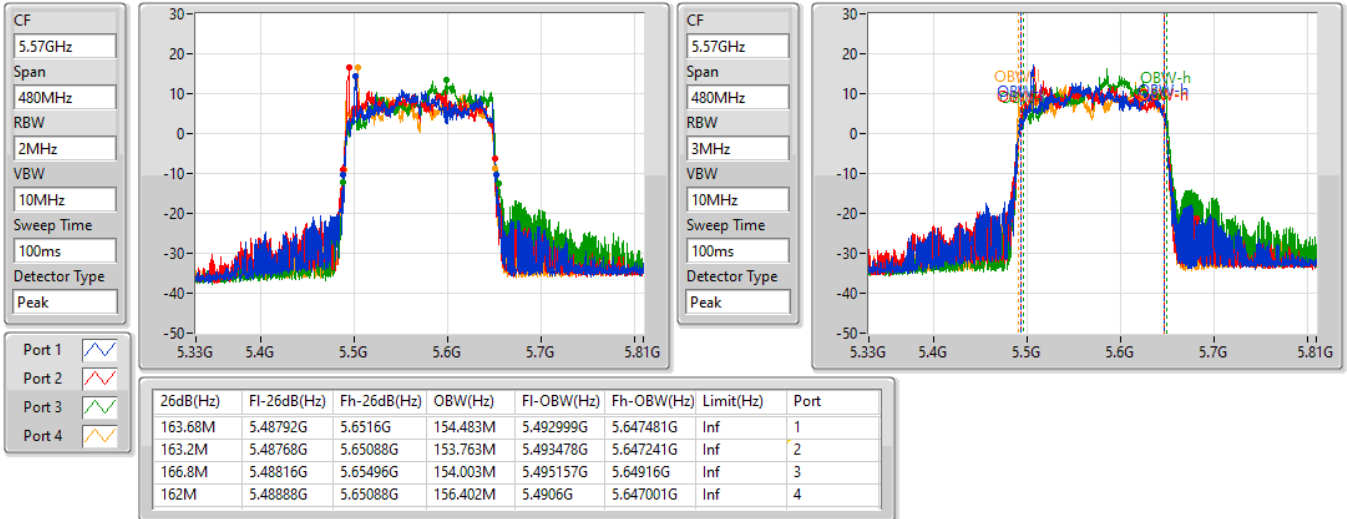


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

03/11/2021



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	27.54	0.56754
802.11ax HEW20_Nss1,(MCS0)_4TX	28.02	0.63387
802.11ax HEW40_Nss1,(MCS0)_4TX	28.42	0.69502
802.11ax HEW80_Nss1,(MCS0)_4TX	21.80	0.15136
802.11ax HEW160_Nss1,(MCS0)_4TX	21.29	0.13459
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.11	0.20464
802.11ax HEW20_Nss1,(MCS0)_4TX	23.96	0.24889
802.11ax HEW40_Nss1,(MCS0)_4TX	23.96	0.24889
802.11ax HEW80_Nss1,(MCS0)_4TX	22.92	0.19588
802.11ax HEW160_Nss1,(MCS0)_4TX	21.05	0.12735
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.11	0.20464
802.11ax HEW20_Nss1,(MCS0)_4TX	23.84	0.24210
802.11ax HEW40_Nss1,(MCS0)_4TX	23.95	0.24831
802.11ax HEW80_Nss1,(MCS0)_4TX	23.91	0.24604
802.11ax HEW160_Nss1,(MCS0)_4TX	23.82	0.24099
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.86	0.96828
802.11ax HEW20_Nss1,(MCS0)_4TX	29.84	0.96383
802.11ax HEW40_Nss1,(MCS0)_4TX	29.78	0.95060
802.11ax HEW80_Nss1,(MCS0)_4TX	27.47	0.55847

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	3.31	21.41	21.32	21.12	21.28	27.30	30.00
5200MHz	Pass	3.31	21.44	21.49	21.37	21.36	27.44	30.00
5240MHz	Pass	3.31	21.38	21.48	21.55	21.67	27.54	30.00
5260MHz	Pass	3.62	17.04	17.45	16.70	17.12	23.11	23.95
5300MHz	Pass	3.62	17.02	17.47	16.65	17.15	23.10	23.98
5320MHz	Pass	3.62	16.91	17.11	16.78	17.20	23.02	23.96
5500MHz	Pass	3.45	16.89	17.32	16.27	17.11	22.94	23.98
5580MHz	Pass	3.45	17.00	17.42	16.74	17.18	23.11	23.98
5700MHz	Pass	3.45	16.83	16.92	16.87	17.05	22.94	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.45	15.54	15.16	15.75	15.57	21.53	22.80
5720MHz Straddle 5.725-5.85GHz	Pass	3.80	9.40	11.29	9.55	10.45	16.26	30.00
5745MHz	Pass	3.80	23.54	23.26	23.37	23.62	29.47	30.00
5785MHz	Pass	3.80	24.03	23.55	23.73	24.02	29.86	30.00
5825MHz	Pass	3.80	23.29	23.05	22.93	23.49	29.22	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.31	21.46	21.58	21.01	20.82	27.25	30.00
5200MHz	Pass	3.31	22.29	22.27	21.96	21.41	28.02	30.00
5240MHz	Pass	3.31	21.83	22.08	21.80	21.65	27.86	30.00
5260MHz	Pass	3.62	17.89	18.43	17.63	17.76	23.96	23.98
5300MHz	Pass	3.62	17.81	18.33	17.58	17.66	23.88	23.98
5320MHz	Pass	3.62	17.52	17.97	17.66	17.60	23.71	23.98
5500MHz	Pass	3.45	17.51	17.78	17.17	17.80	23.59	23.98
5580MHz	Pass	3.45	17.63	18.12	17.58	17.94	23.84	23.98
5700MHz	Pass	3.45	17.52	17.83	17.92	17.82	23.80	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.45	16.48	17.22	16.77	16.88	22.87	22.94
5720MHz Straddle 5.725-5.85GHz	Pass	3.80	13.09	12.37	14.04	13.08	19.21	30.00
5745MHz	Pass	3.80	23.90	23.47	24.19	23.69	29.84	30.00
5785MHz	Pass	3.80	23.83	23.14	23.85	23.52	29.62	30.00
5825MHz	Pass	3.80	23.81	23.39	23.73	23.38	29.60	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.31	16.71	16.96	16.52	16.56	22.71	30.00
5230MHz	Pass	3.31	22.31	22.71	22.38	22.17	28.42	30.00
5270MHz	Pass	3.62	17.72	18.55	17.75	17.67	23.96	23.98
5310MHz	Pass	3.62	17.64	18.22	17.70	17.64	23.83	23.98
5510MHz	Pass	3.45	17.56	18.11	17.39	17.79	23.74	23.98
5550MHz	Pass	3.45	17.36	18.01	17.27	17.68	23.61	23.98
5670MHz	Pass	3.45	17.82	17.92	18.06	17.93	23.95	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.45	17.29	17.61	17.78	17.49	23.57	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.80	7.76	7.48	7.02	6.69	13.28	30.00
5755MHz	Pass	3.80	24.08	23.57	23.88	23.46	29.78	30.00
5795MHz	Pass	3.80	23.83	23.24	23.68	23.46	29.58	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.31	15.85	16.10	15.55	15.59	21.80	30.00
5290MHz	Pass	3.62	16.64	17.37	16.73	16.80	22.92	23.98
5530MHz	Pass	3.45	17.71	18.05	17.37	17.87	23.78	23.98

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
5610MHz	Pass	3.45	17.63	18.15	17.97	17.79	23.91	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.45	17.45	17.70	17.79	17.72	23.69	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.80	4.19	3.91	3.70	3.59	9.87	30.00
5775MHz	Pass	3.80	21.59	21.24	21.66	21.30	27.47	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.31	14.47	15.70	15.17	15.63	21.29	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.62	15.49	15.83	14.42	14.15	21.05	23.98
5570MHz	Pass	3.45	17.92	17.62	17.77	17.88	23.82	23.98

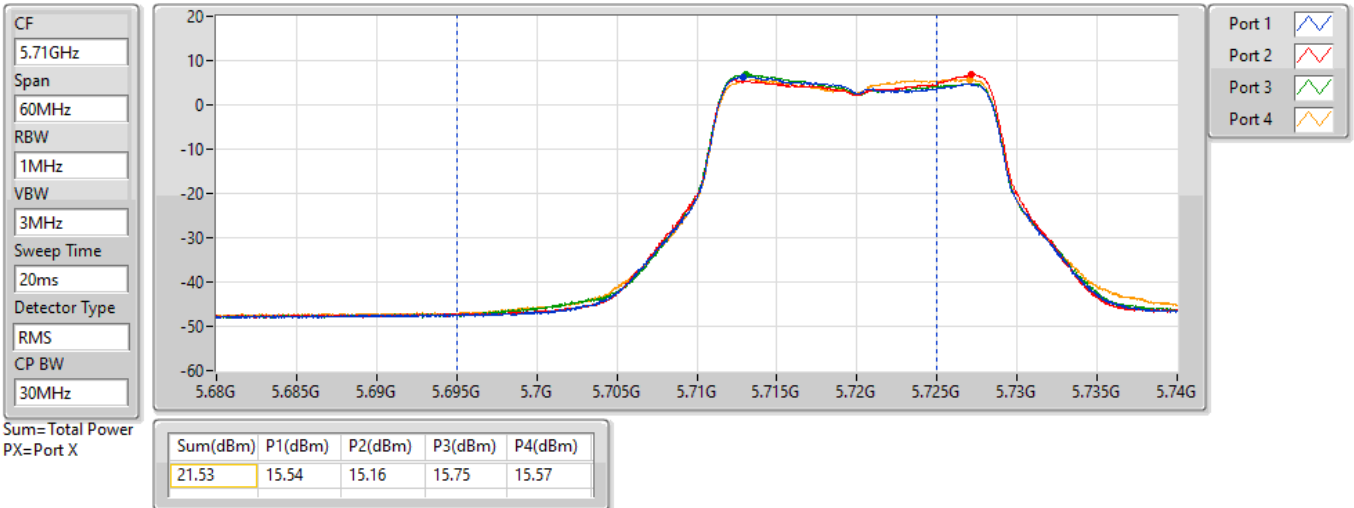
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

02/11/2021

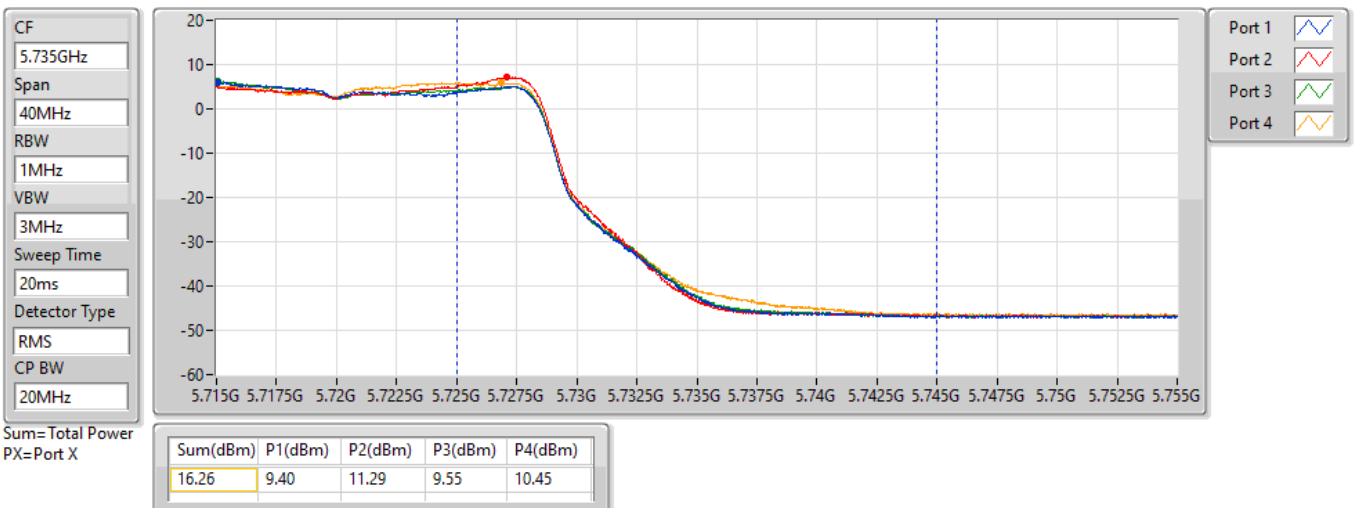


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

02/11/2021

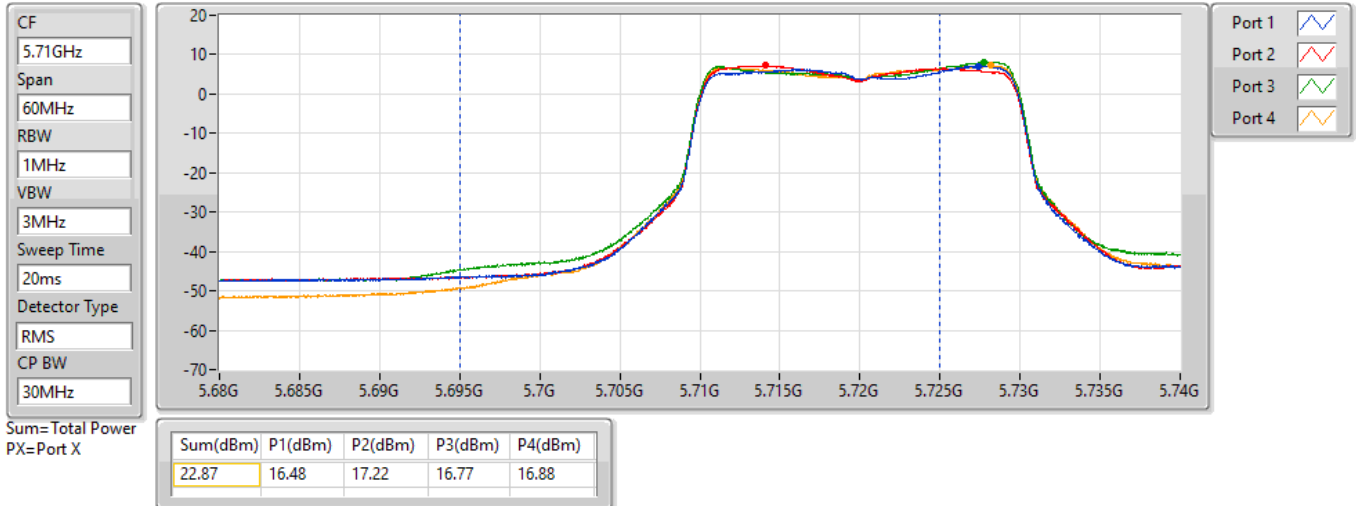


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

02/11/2021

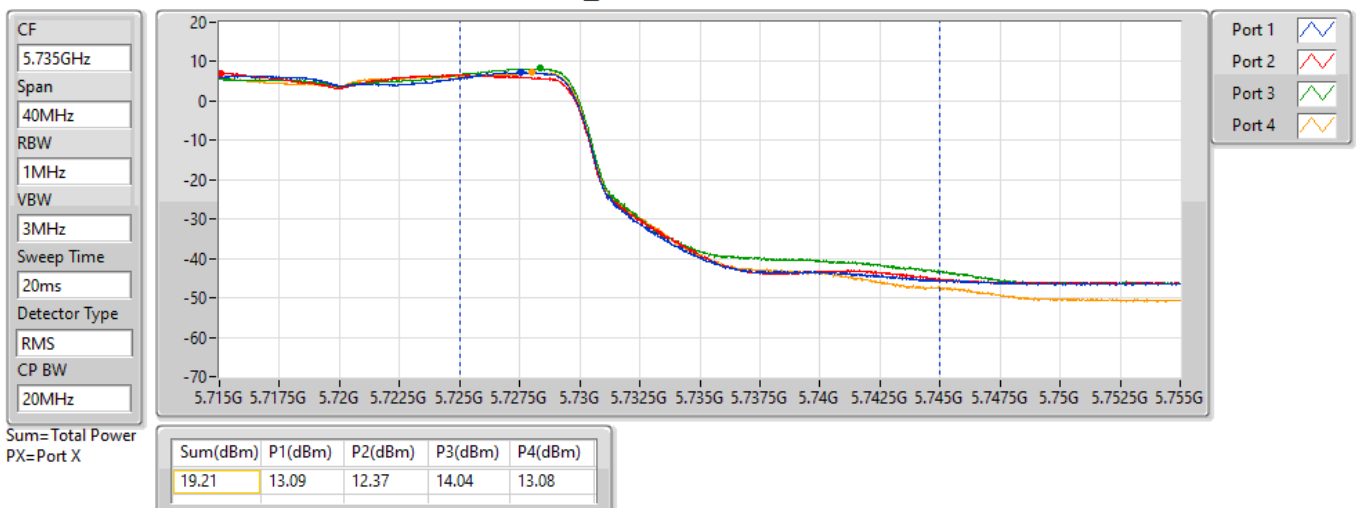


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

02/11/2021



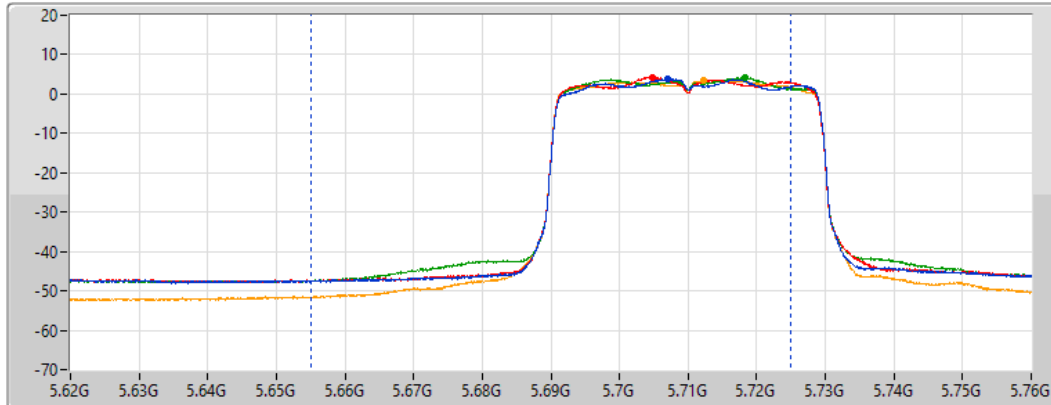
802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

02/11/2021

CF
5.69GHz
Span
140MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
70MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.57	17.29	17.61	17.78	17.49

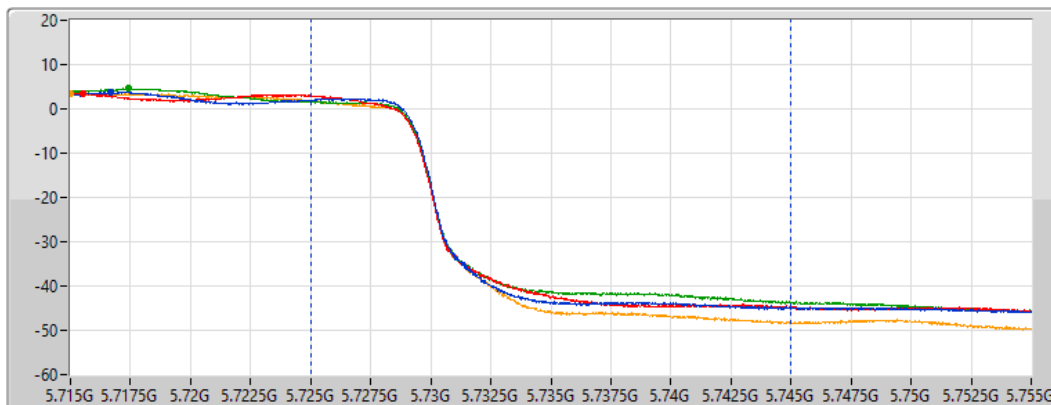
802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

02/11/2021

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.28	7.76	7.48	7.02	6.69

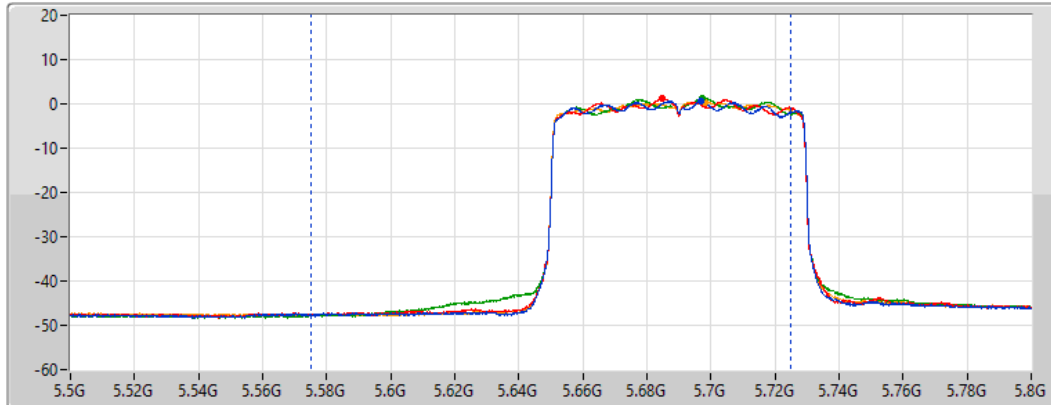
802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

02/11/2021

CF
5.65GHz
Span
300MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
150MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.69	17.45	17.70	17.79	17.72

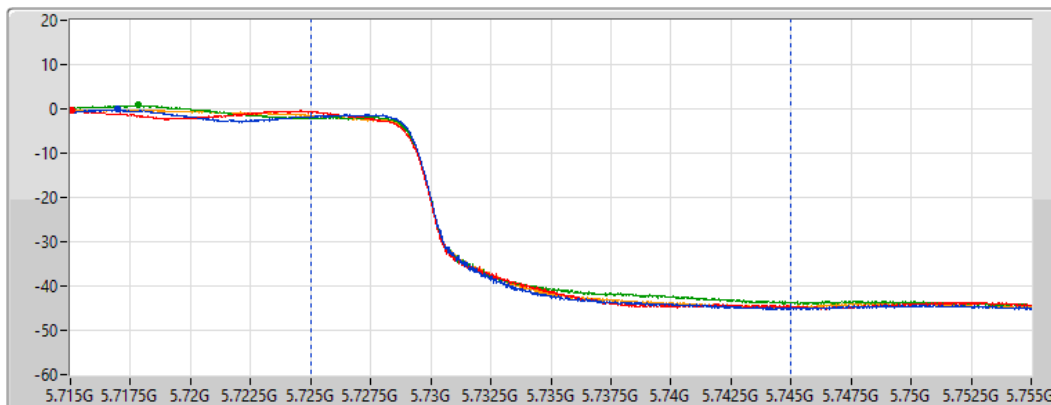
802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

02/11/2021

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

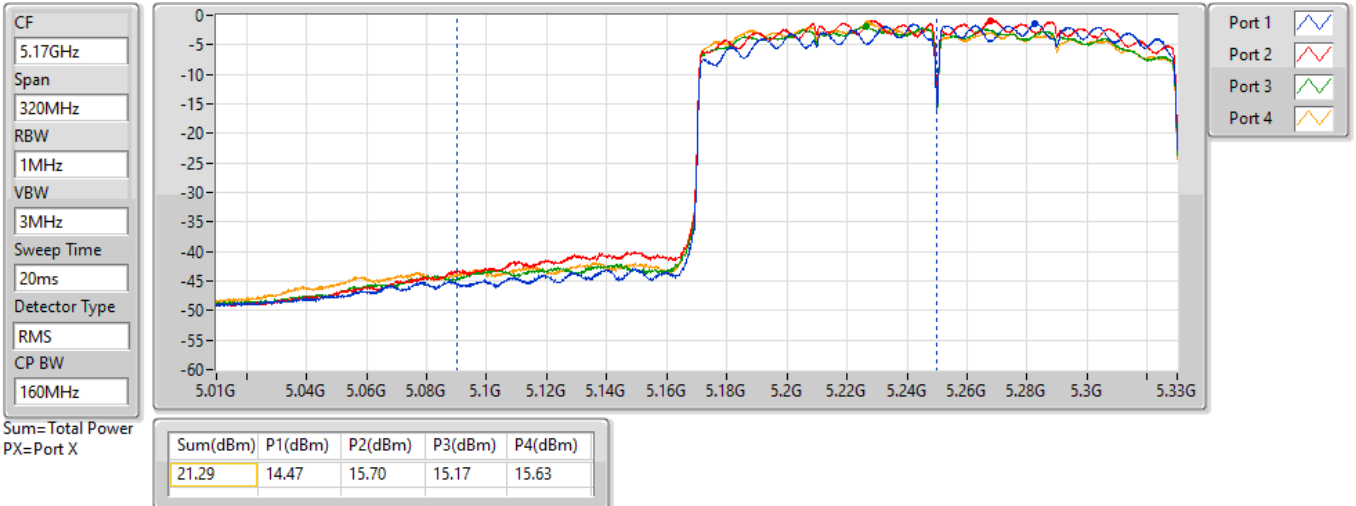
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.87	4.19	3.91	3.70	3.59

802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

02/11/2021

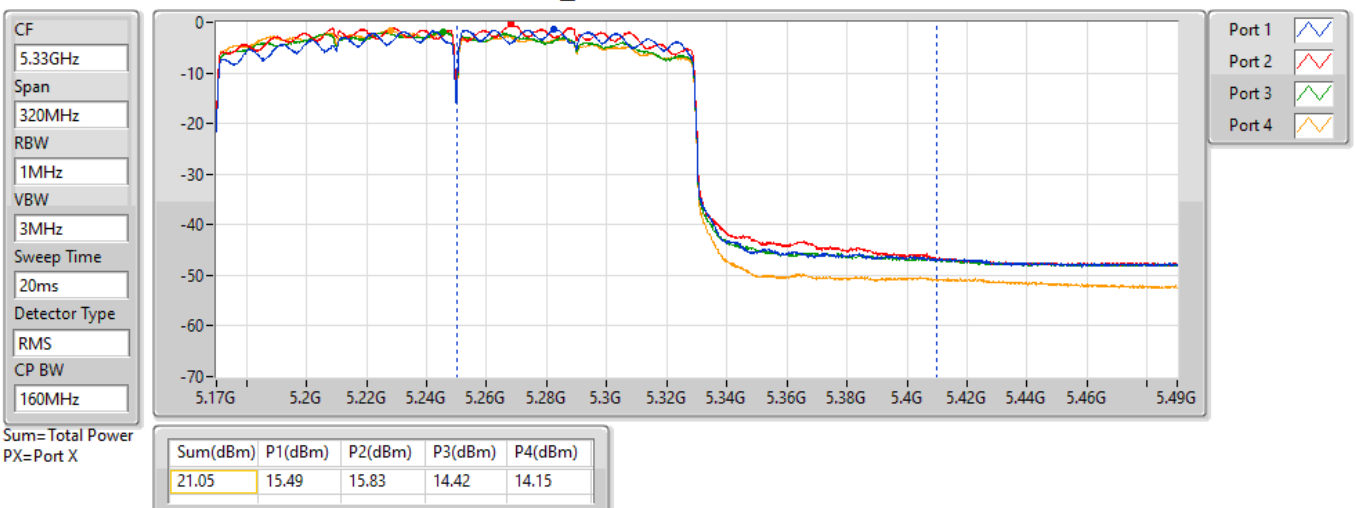


802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

02/11/2021



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	28.69	0.73961
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	28.61	0.72611
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	22.45	0.17579
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	20.72	0.11803
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.67	0.23281
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.31	0.21429
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	20.88	0.12246
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	20.24	0.10568
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.79	0.23933
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.68	0.23335
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.57	0.22751
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	21.92	0.15560
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.68	0.92897
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.63	0.91833
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	28.47	0.70307



Average Power<For Beamforming>

Appendix C.2

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.79	20.13	20.71	19.84	19.90	26.18	30.00
5200MHz	Pass	5.79	20.90	25.87	21.00	20.19	28.69	30.00
5240MHz	Pass	5.79	22.21	22.66	22.32	22.35	28.41	30.00
5260MHz	Pass	5.78	17.64	17.36	17.42	17.92	23.61	23.98
5300MHz	Pass	5.78	17.97	17.37	17.60	17.65	23.67	23.98
5320MHz	Pass	5.78	17.35	17.43	17.24	17.16	23.32	23.98
5500MHz	Pass	5.98	17.24	17.64	17.54	17.58	23.52	23.98
5580MHz	Pass	5.98	17.43	17.57	17.63	17.71	23.61	23.98
5700MHz	Pass	5.98	17.04	19.13	17.03	17.51	23.79	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.98	16.12	16.76	16.53	16.27	22.45	22.90
5720MHz Straddle 5.725-5.85GHz	Pass	5.45	11.60	12.15	11.81	11.22	17.73	30.00
5745MHz	Pass	5.45	23.37	23.69	24.06	23.48	29.68	30.00
5785MHz	Pass	5.45	23.11	23.18	23.38	23.23	29.25	30.00
5825MHz	Pass	5.45	23.24	23.51	23.47	23.19	29.38	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.79	18.19	18.62	17.86	18.20	24.25	30.00
5230MHz	Pass	5.79	22.30	23.16	22.33	22.53	28.61	30.00
5270MHz	Pass	5.78	17.15	17.13	17.47	17.38	23.31	23.98
5310MHz	Pass	5.78	14.28	14.47	14.26	14.74	20.46	23.98
5510MHz	Pass	5.98	17.36	17.34	17.13	17.76	23.42	23.98
5550MHz	Pass	5.98	17.48	17.32	17.24	17.16	23.32	23.98
5670MHz	Pass	5.98	17.37	17.45	17.92	17.88	23.68	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.98	16.88	17.56	17.56	17.10	23.31	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.45	6.26	5.34	7.06	5.82	12.19	30.00
5755MHz	Pass	5.45	23.42	23.79	23.71	23.50	29.63	30.00
5795MHz	Pass	5.45	23.80	23.65	23.24	22.95	29.44	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.79	16.61	17.32	15.30	16.25	22.45	30.00
5290MHz	Pass	5.78	15.28	14.53	14.75	14.85	20.88	23.98
5530MHz	Pass	5.98	17.50	17.32	17.33	17.19	23.36	23.98
5610MHz	Pass	5.98	17.51	17.36	17.40	17.53	23.47	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.98	17.22	17.90	17.57	17.46	23.57	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.45	4.84	4.84	4.18	4.11	10.53	30.00
5775MHz	Pass	5.45	22.38	22.55	22.34	22.54	28.47	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.79	14.01	15.17	14.58	14.96	20.72	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.78	14.95	14.88	13.40	13.40	20.24	23.98
5570MHz	Pass	5.98	15.73	15.97	16.12	15.76	21.92	23.98

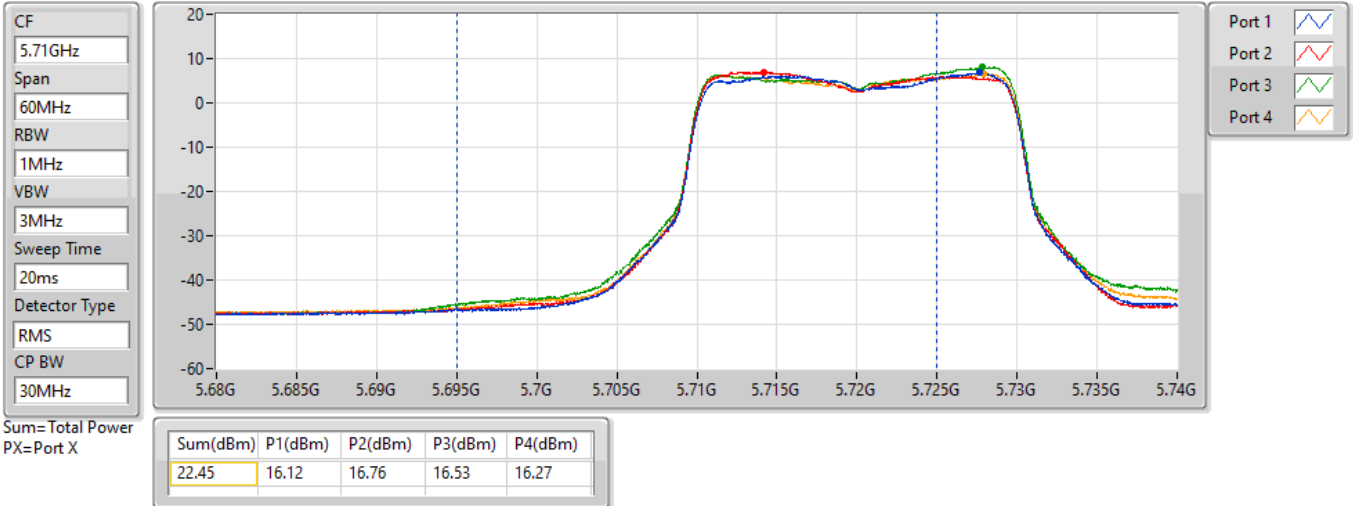
DG = Directional Gain; Port X = Port X output power

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

03/11/2021

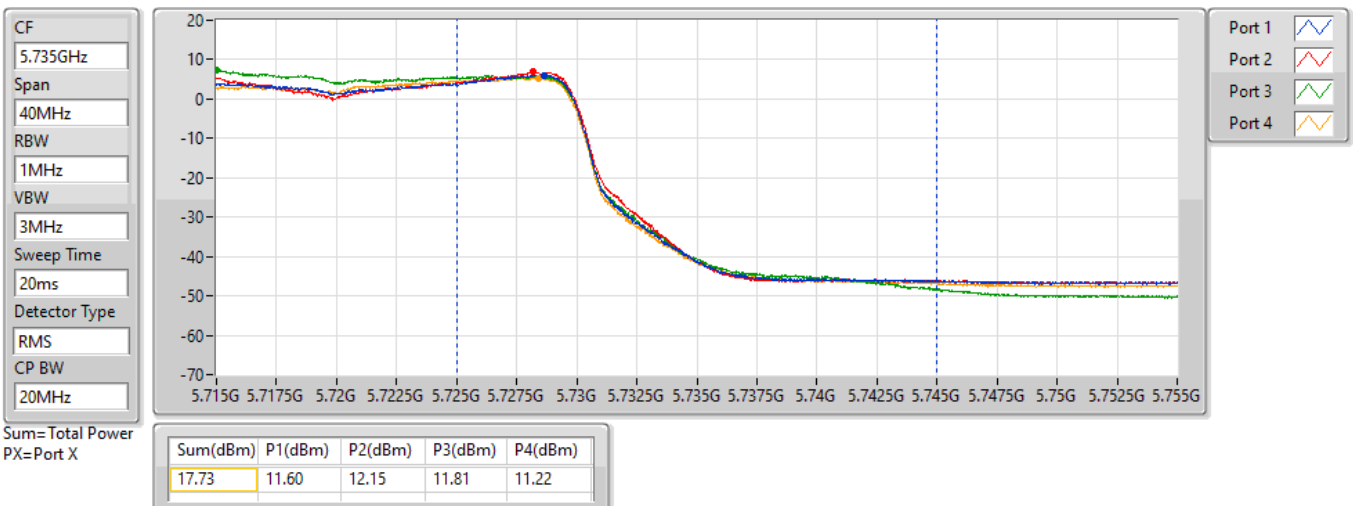


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

03/11/2021



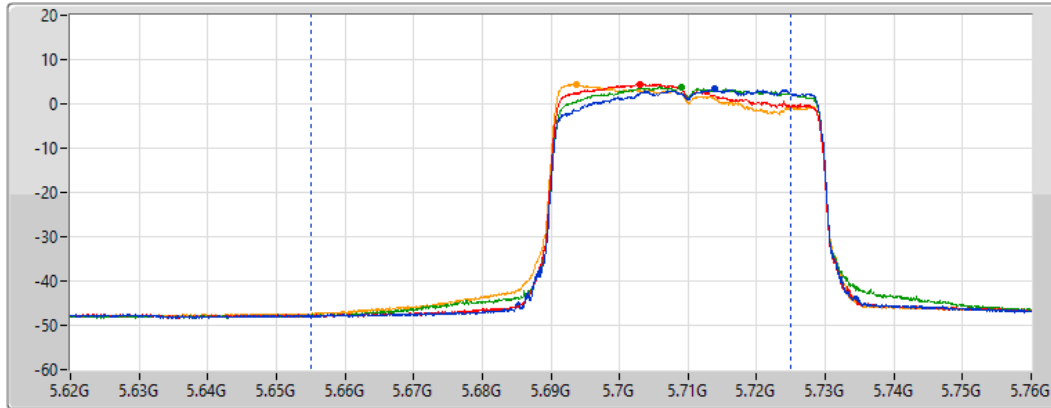
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

03/11/2021

CF
5.69GHz
Span
140MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
70MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.31	16.88	17.56	17.56	17.10

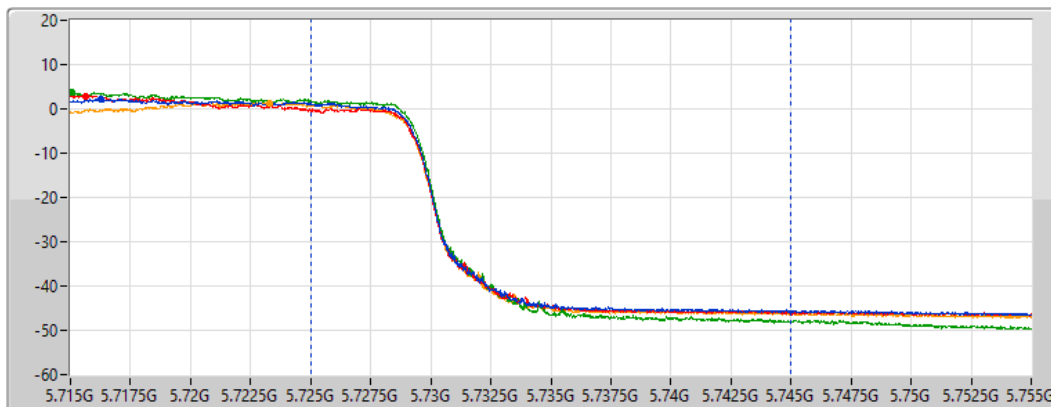
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

03/11/2021

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
12.19	6.26	5.34	7.06	5.82

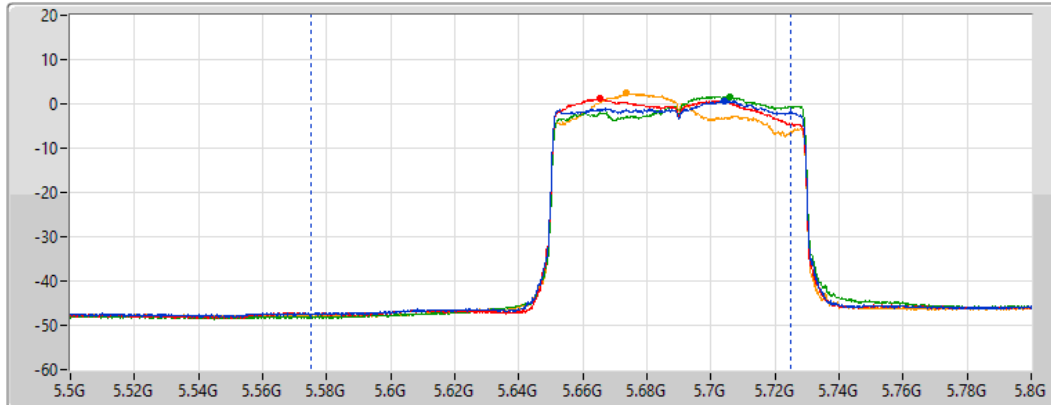
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

03/11/2021

CF
5.65GHz
Span
300MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
150MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.57	17.22	17.90	17.57	17.46

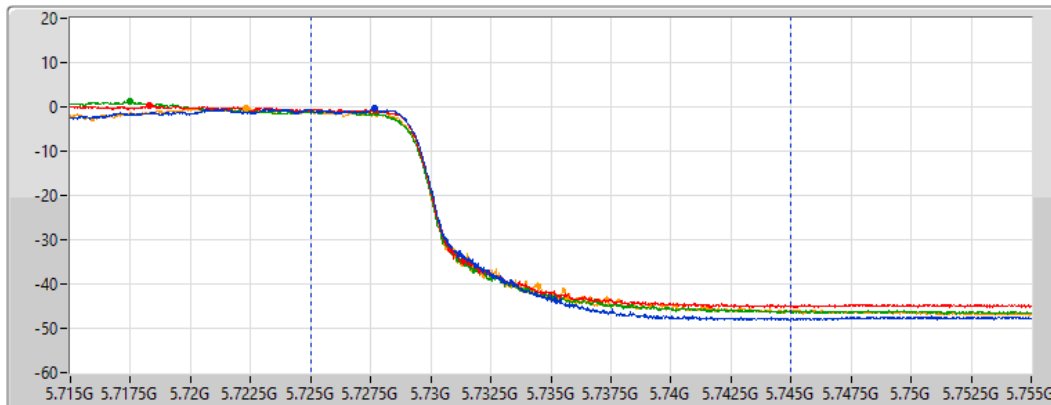
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

03/11/2021

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

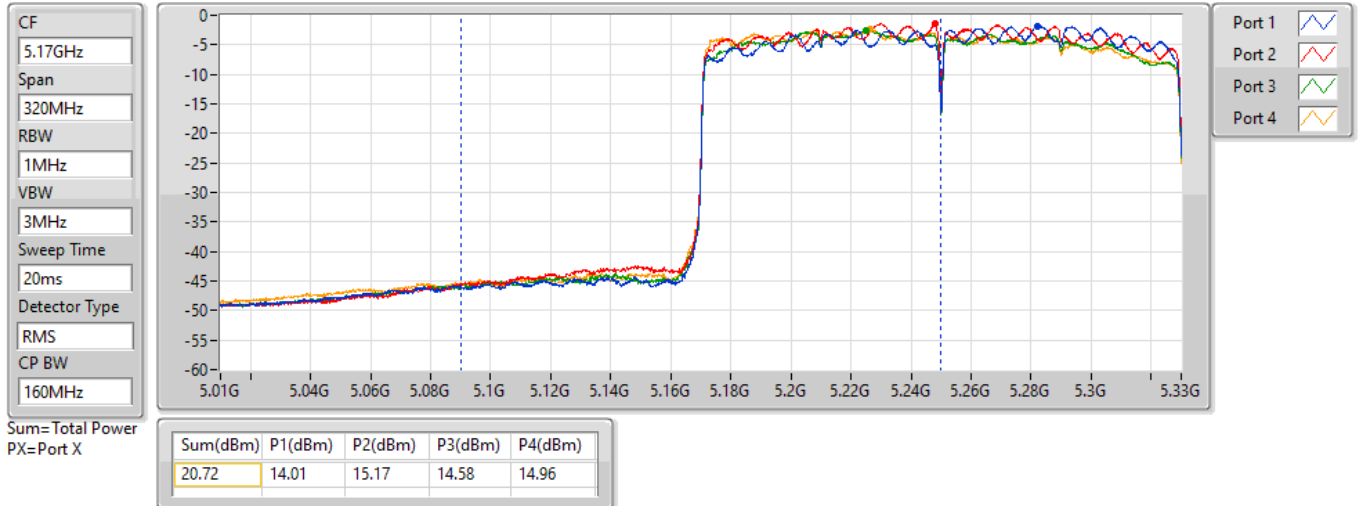
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.53	4.84	4.84	4.18	4.11

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

03/11/2021

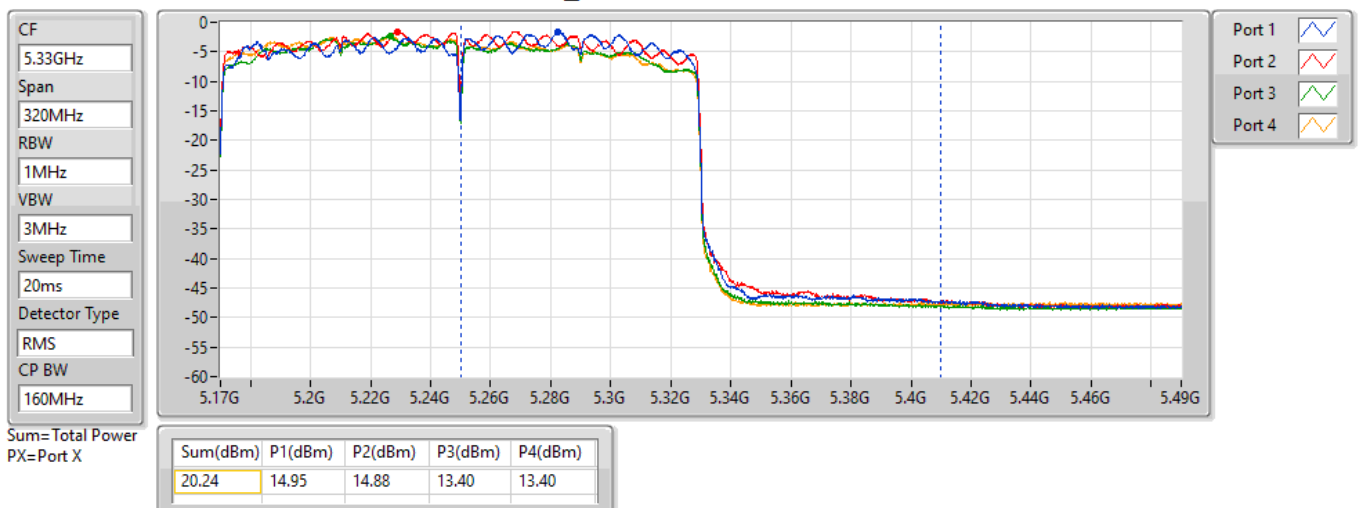


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

03/11/2021



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.04
802.11ax HEW20_Nss1,(MCS0)_4TX	15.32
802.11ax HEW40_Nss1,(MCS0)_4TX	12.68
802.11ax HEW80_Nss1,(MCS0)_4TX	2.76
802.11ax HEW160_Nss1,(MCS0)_4TX	2.27
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.63
802.11ax HEW20_Nss1,(MCS0)_4TX	10.92
802.11ax HEW40_Nss1,(MCS0)_4TX	8.20
802.11ax HEW80_Nss1,(MCS0)_4TX	3.97
802.11ax HEW160_Nss1,(MCS0)_4TX	2.07
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.91
802.11ax HEW20_Nss1,(MCS0)_4TX	10.99
802.11ax HEW40_Nss1,(MCS0)_4TX	8.16
802.11ax HEW80_Nss1,(MCS0)_4TX	5.01
802.11ax HEW160_Nss1,(MCS0)_4TX	2.48
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.19
802.11ax HEW20_Nss1,(MCS0)_4TX	15.96
802.11ax HEW40_Nss1,(MCS0)_4TX	12.60
802.11ax HEW80_Nss1,(MCS0)_4TX	7.18

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.79	9.22	8.88	9.09	8.89	14.37	17.00
5200MHz	Pass	5.79	9.40	9.05	9.10	9.06	14.58	17.00
5240MHz	Pass	5.79	9.84	9.35	9.41	9.52	15.04	17.00
5260MHz	Pass	5.78	5.71	5.31	4.73	5.05	10.63	11.00
5300MHz	Pass	5.78	5.66	5.20	4.36	4.81	10.60	11.00
5320MHz	Pass	5.78	5.57	4.81	4.32	4.80	10.56	11.00
5500MHz	Pass	5.98	5.15	5.44	4.14	4.99	10.66	11.00
5580MHz	Pass	5.98	5.32	6.01	4.86	5.01	10.88	11.00
5700MHz	Pass	5.98	4.97	5.72	5.57	4.58	10.91	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.98	4.82	4.35	5.25	4.18	10.58	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.45	2.19	4.22	2.15	2.87	8.89	30.00
5745MHz	Pass	5.45	10.40	10.82	10.40	9.94	15.91	30.00
5785MHz	Pass	5.45	10.69	10.58	10.56	10.27	16.19	30.00
5825MHz	Pass	5.45	9.45	9.68	8.90	9.72	15.01	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.79	9.10	9.56	8.13	7.56	14.26	17.00
5200MHz	Pass	5.79	10.35	10.24	9.18	8.66	15.32	17.00
5240MHz	Pass	5.79	9.86	9.79	9.09	8.91	14.99	17.00
5260MHz	Pass	5.78	5.83	6.03	4.83	4.52	10.92	11.00
5300MHz	Pass	5.78	5.53	5.50	4.63	4.55	10.69	11.00
5320MHz	Pass	5.78	5.20	5.03	4.30	4.39	10.46	11.00
5500MHz	Pass	5.98	4.86	5.58	4.78	4.77	10.61	11.00
5580MHz	Pass	5.98	5.06	5.86	5.57	5.02	10.99	11.00
5700MHz	Pass	5.98	4.95	5.16	6.15	4.88	10.89	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.98	4.76	5.61	5.54	5.19	10.89	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.45	4.27	3.55	5.32	4.24	10.22	30.00
5745MHz	Pass	5.45	10.43	9.65	11.18	9.96	15.96	30.00
5785MHz	Pass	5.45	10.73	9.29	10.65	9.70	15.81	30.00
5825MHz	Pass	5.45	10.83	9.28	10.50	9.90	15.95	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.79	1.61	1.94	1.04	1.25	7.06	17.00
5230MHz	Pass	5.79	7.20	7.84	7.06	6.84	12.68	17.00
5270MHz	Pass	5.78	2.55	3.73	2.37	2.23	8.20	11.00
5310MHz	Pass	5.78	2.31	3.30	2.16	2.18	8.20	11.00
5510MHz	Pass	5.98	2.22	3.44	2.18	1.78	8.16	11.00
5550MHz	Pass	5.98	2.21	3.09	2.06	1.61	7.82	11.00
5670MHz	Pass	5.98	2.59	2.77	3.09	1.90	8.05	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.98	2.53	2.68	2.72	1.88	7.98	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.45	-0.63	0.15	-1.44	-1.03	5.24	30.00
5755MHz	Pass	5.45	7.70	7.25	7.46	6.90	12.60	30.00
5795MHz	Pass	5.45	7.56	7.11	6.98	7.07	12.46	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.79	-2.77	-2.07	-3.11	-3.17	2.76	17.00
5290MHz	Pass	5.78	-1.66	-0.71	-1.82	-1.84	3.97	11.00
5530MHz	Pass	5.98	-0.83	-0.09	-1.24	-1.42	4.78	11.00

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)
5610MHz	Pass	5.98	-0.89	-0.00	-0.19	-1.40	4.97	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.98	-0.83	-0.13	-0.01	-1.00	5.01	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.45	-4.24	-3.84	-4.87	-4.42	1.53	30.00
5775MHz	Pass	5.45	2.16	1.62	2.04	1.57	7.18	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.79	-3.10	-2.41	-3.55	-3.23	2.27	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.78	-2.79	-2.35	-3.91	-4.32	2.07	11.00
5570MHz	Pass	5.98	-3.31	-2.51	-2.48	-3.69	2.48	11.00

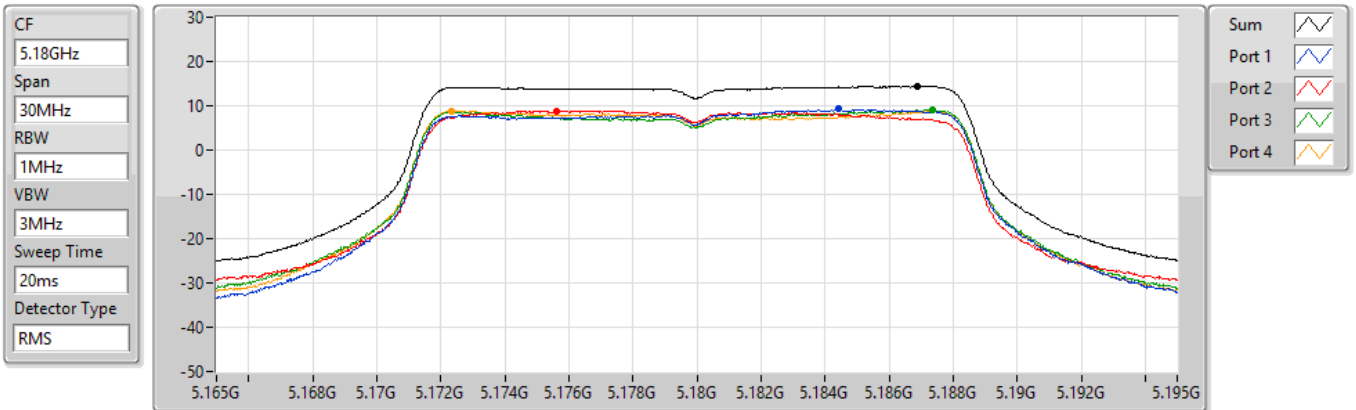
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

27/10/2021



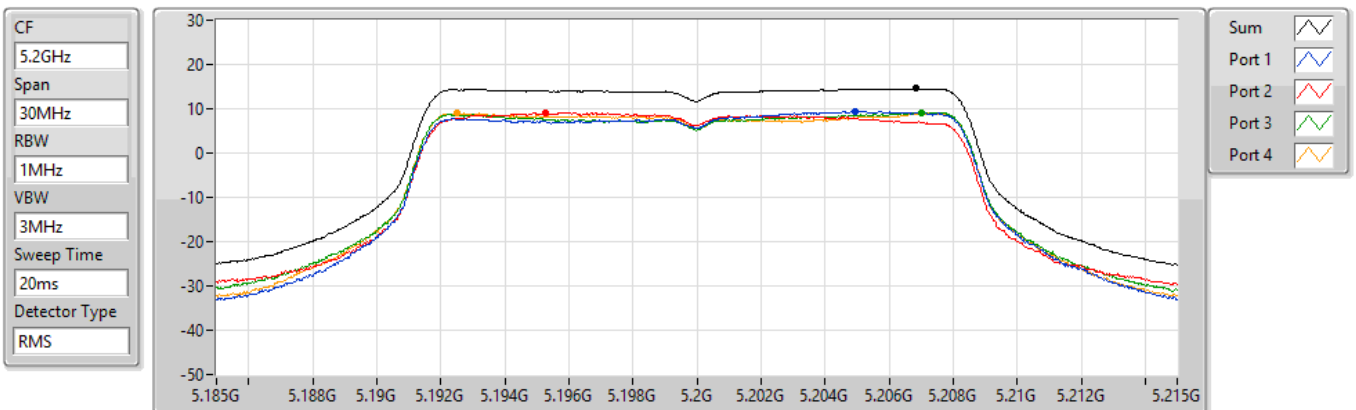
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.37	14.37	9.22	8.88	9.09	8.89

802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

27/10/2021



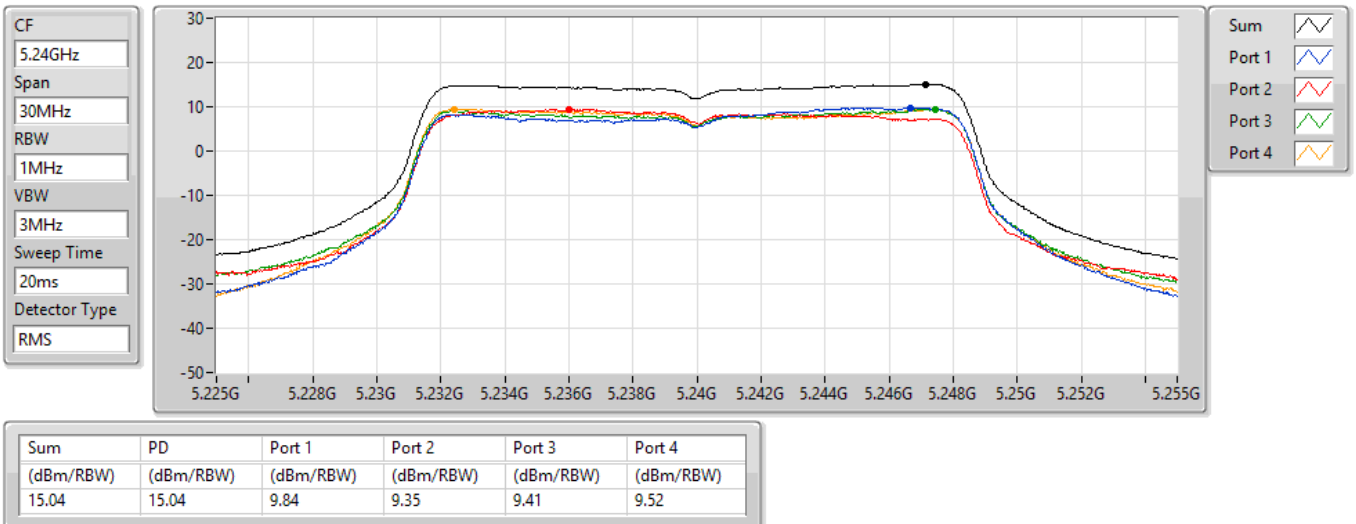
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.58	14.58	9.40	9.05	9.10	9.06

802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

27/10/2021

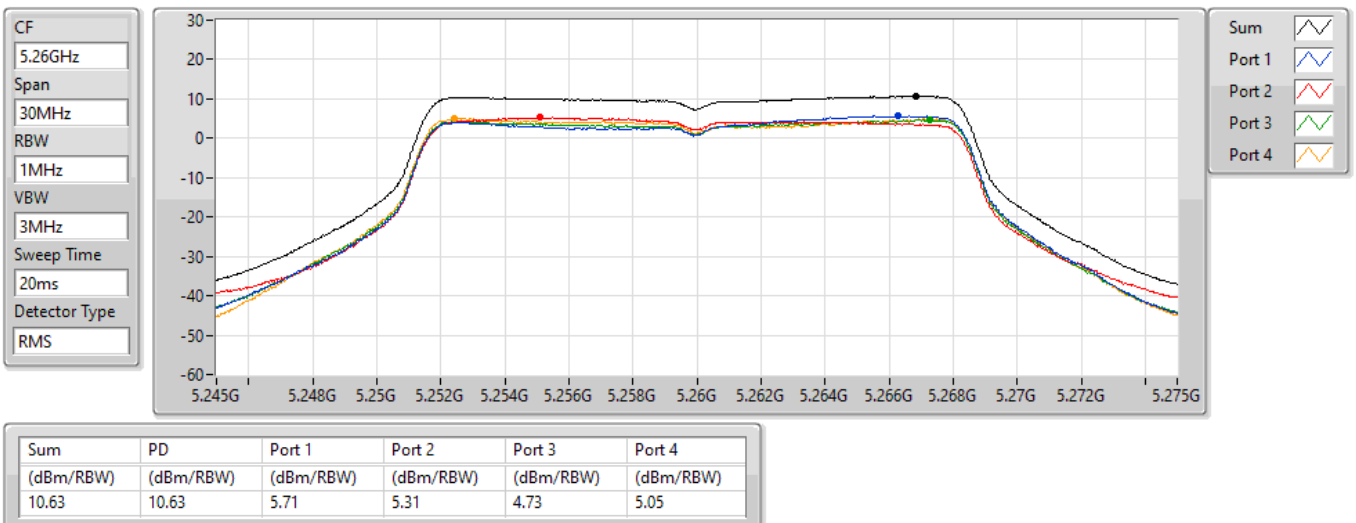


802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

02/11/2021

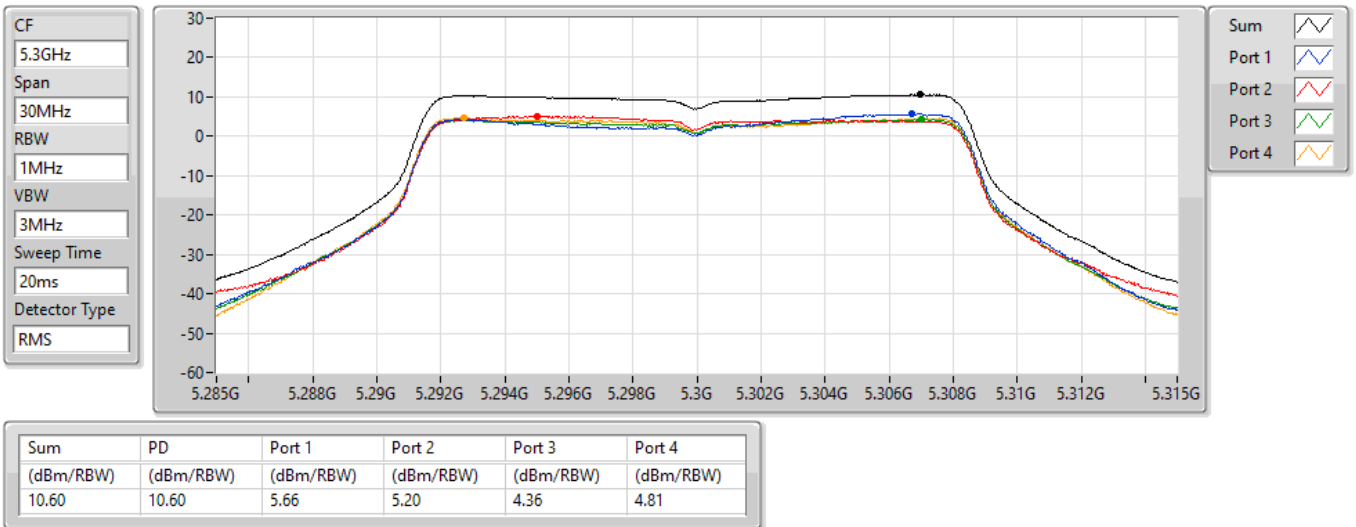


802.11a_Nss1,(6Mbps)_4TX

PSD

5300MHz

02/11/2021

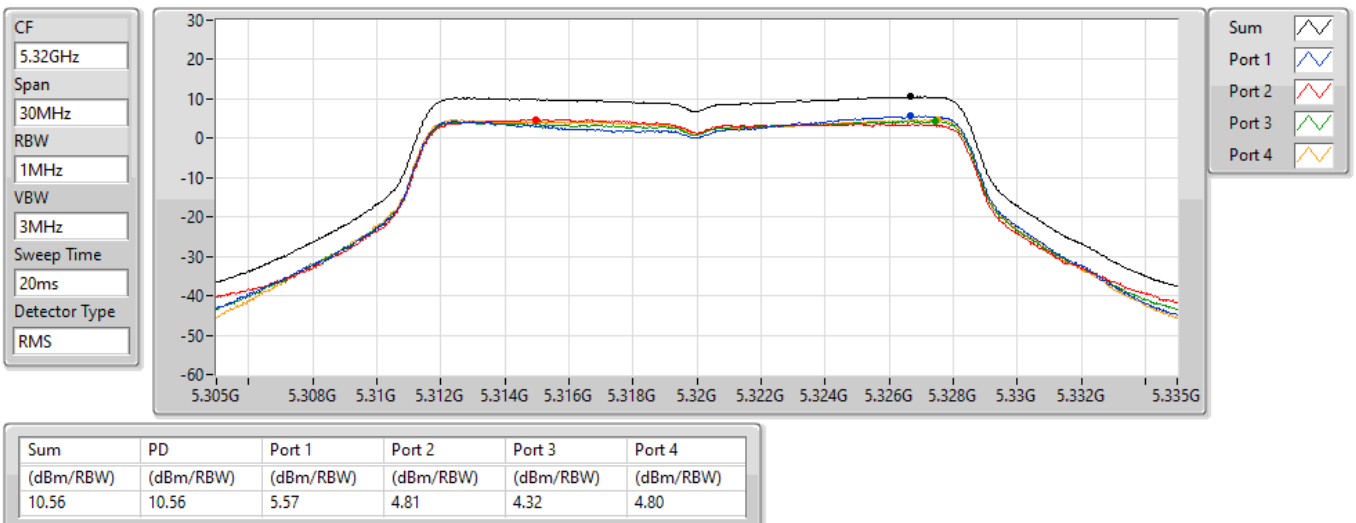


802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

02/11/2021

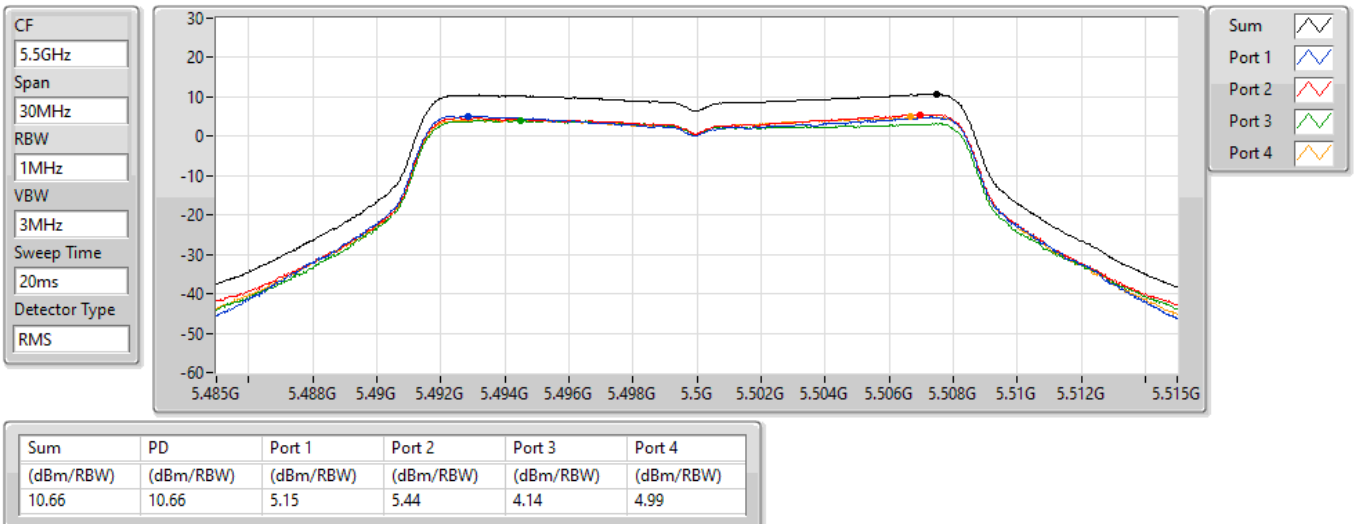


802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

02/11/2021

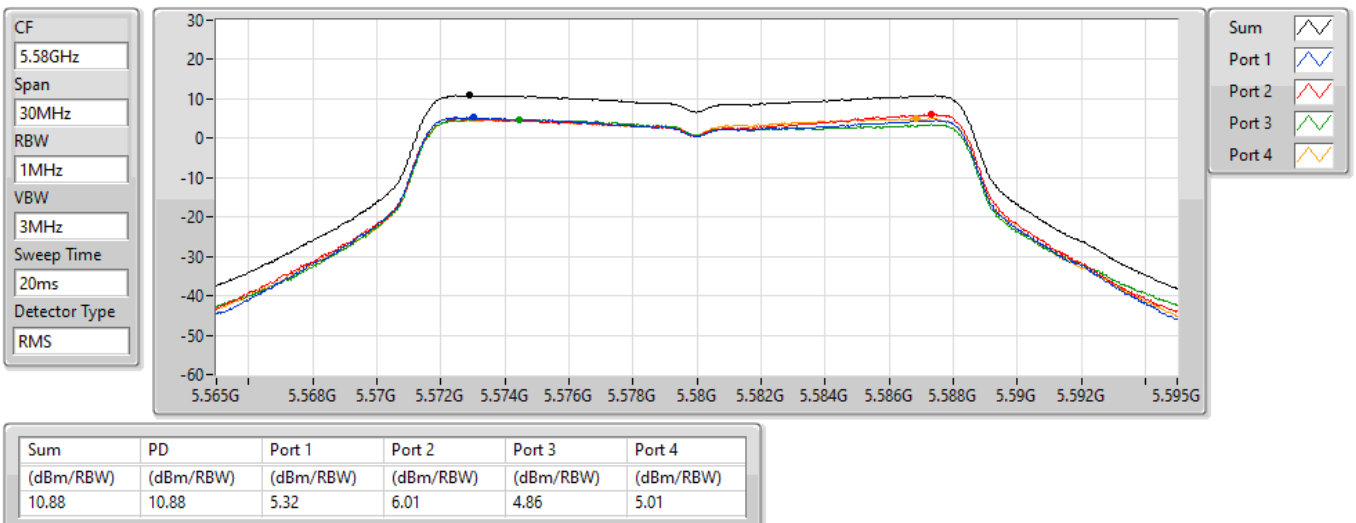


802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

02/11/2021

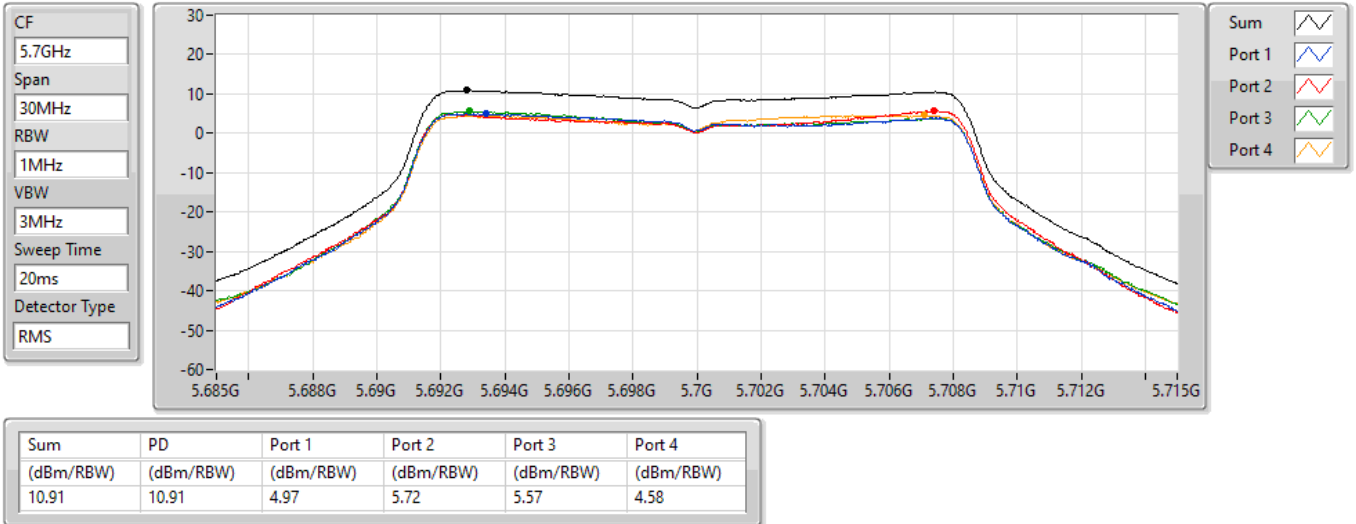


802.11a_Nss1,(6Mbps)_4TX

PSD

5700MHz

02/11/2021

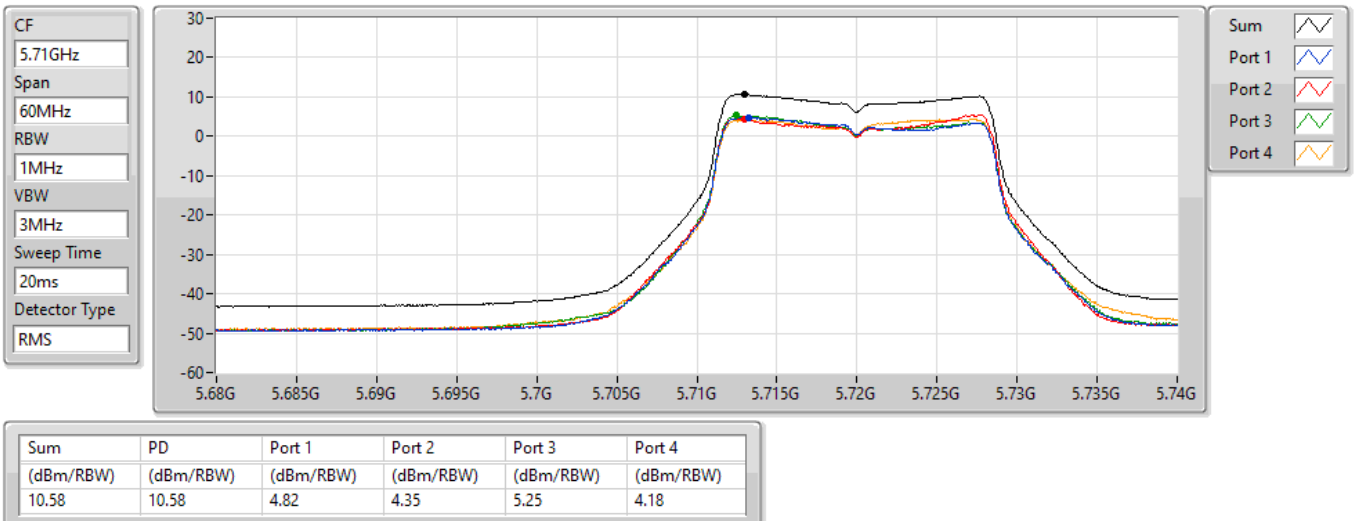


802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

02/11/2021

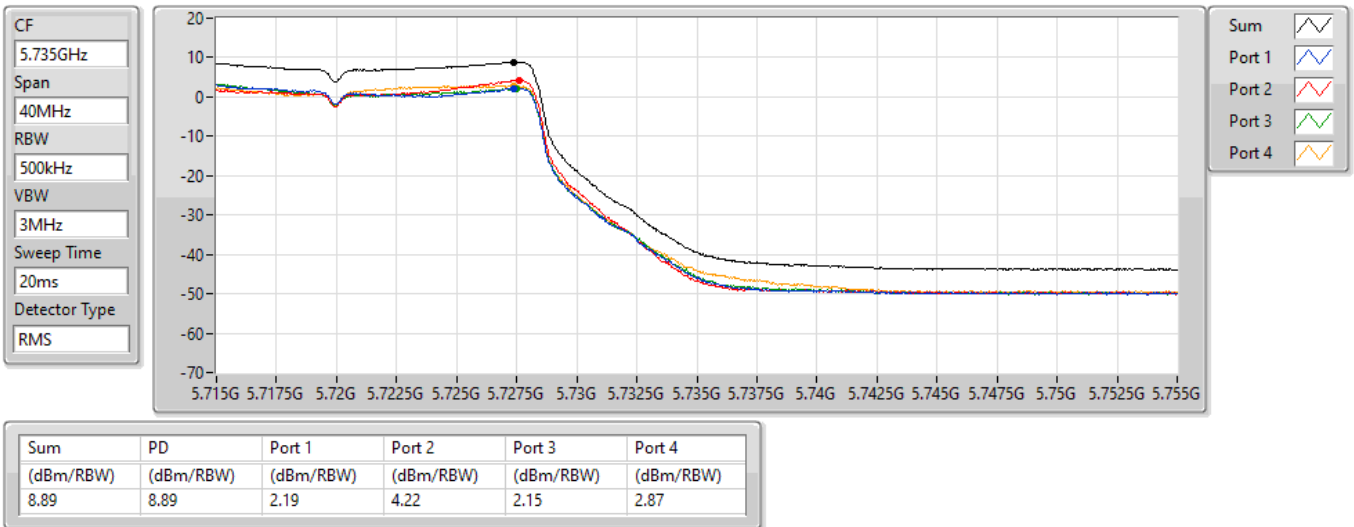


802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

02/11/2021

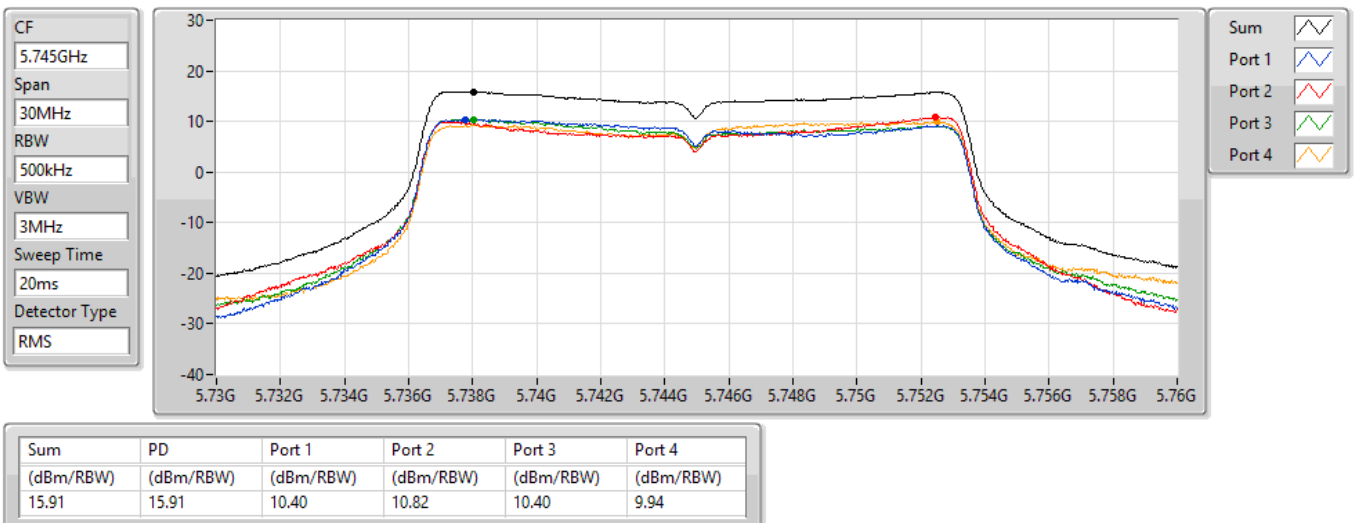


802.11a_Nss1,(6Mbps)_4TX

5745MHz

PSD

27/10/2021

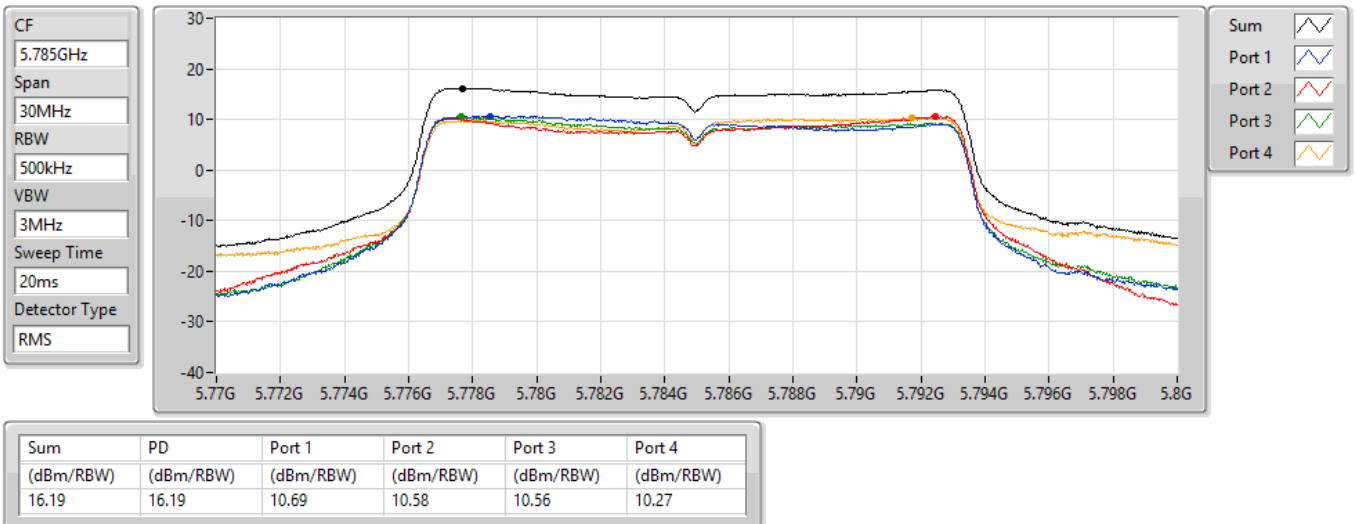


802.11a_Nss1,(6Mbps)_4TX

5785MHz

PSD

27/10/2021

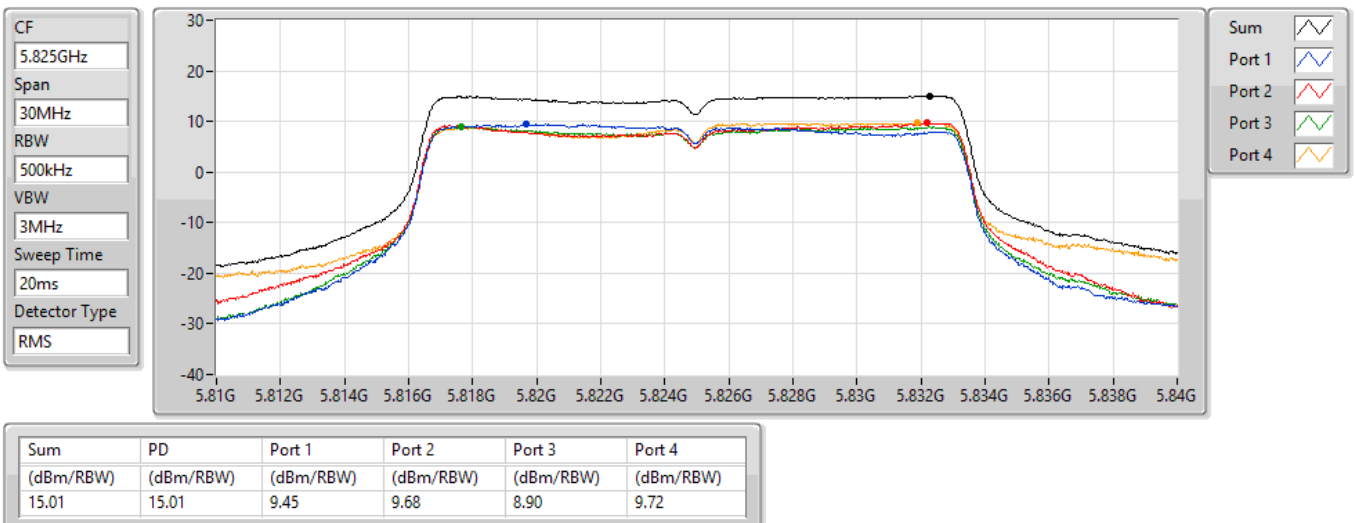


802.11a_Nss1,(6Mbps)_4TX

5825MHz

PSD

27/10/2021

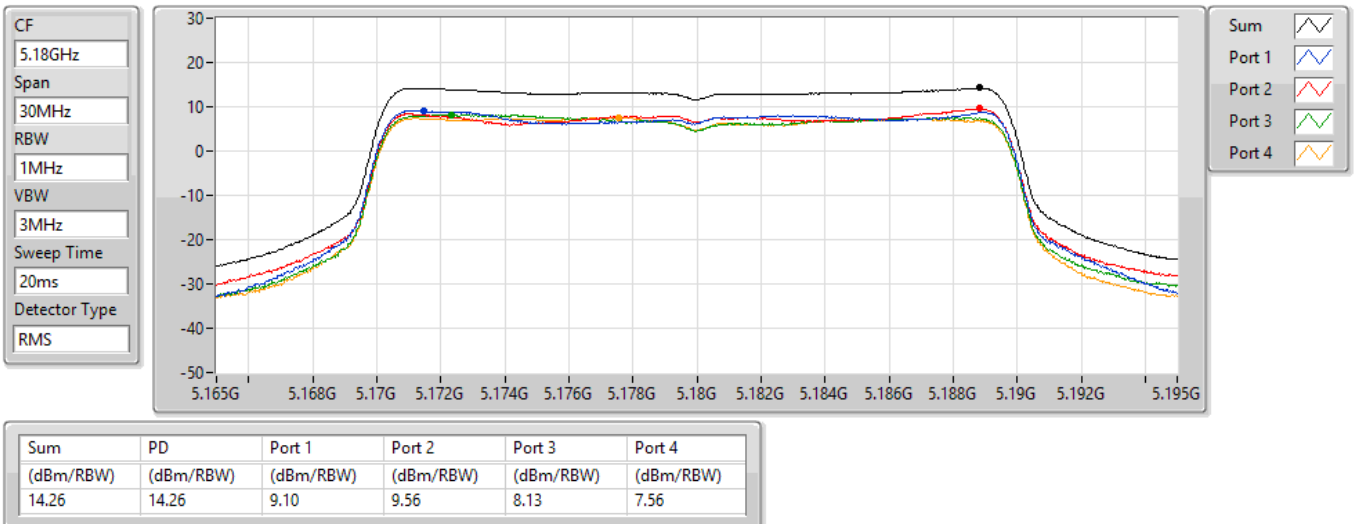


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

27/10/2021

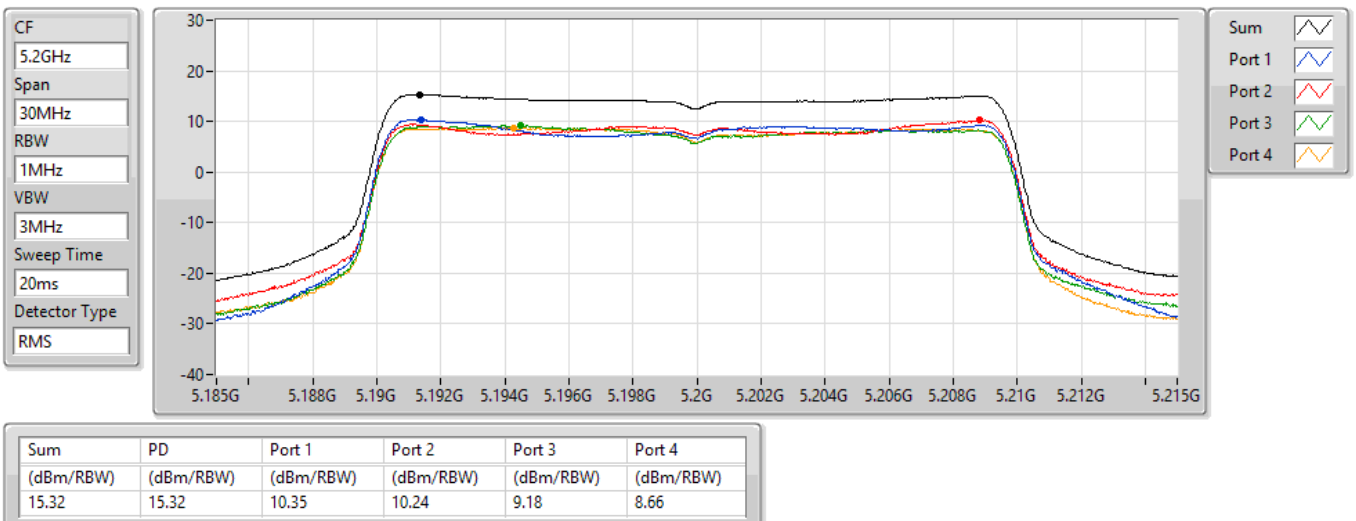


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

27/10/2021

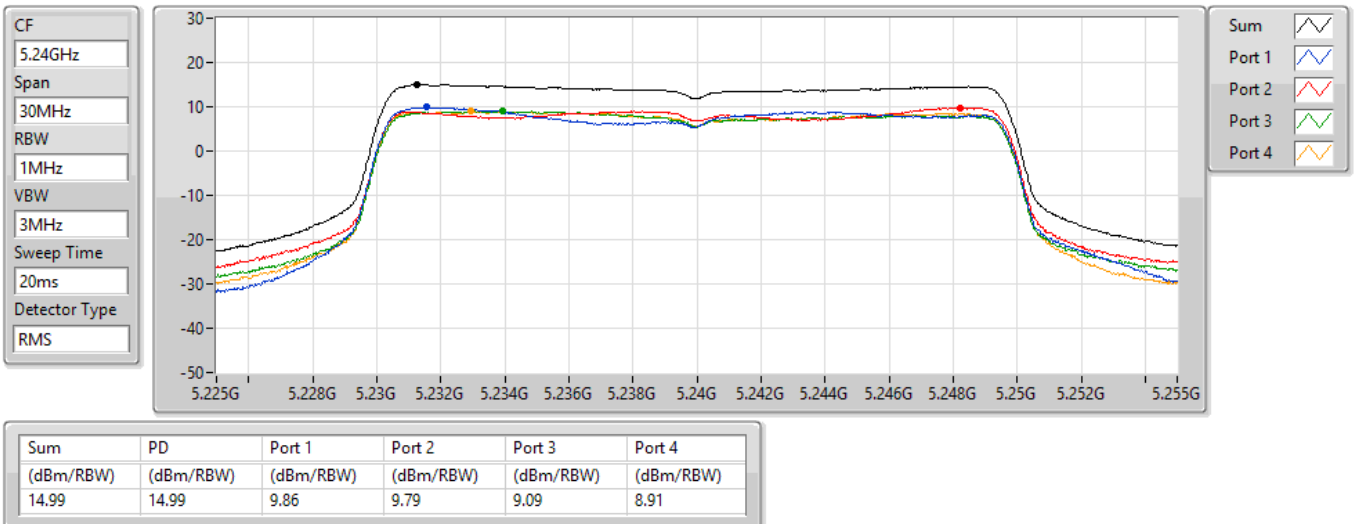


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

27/10/2021

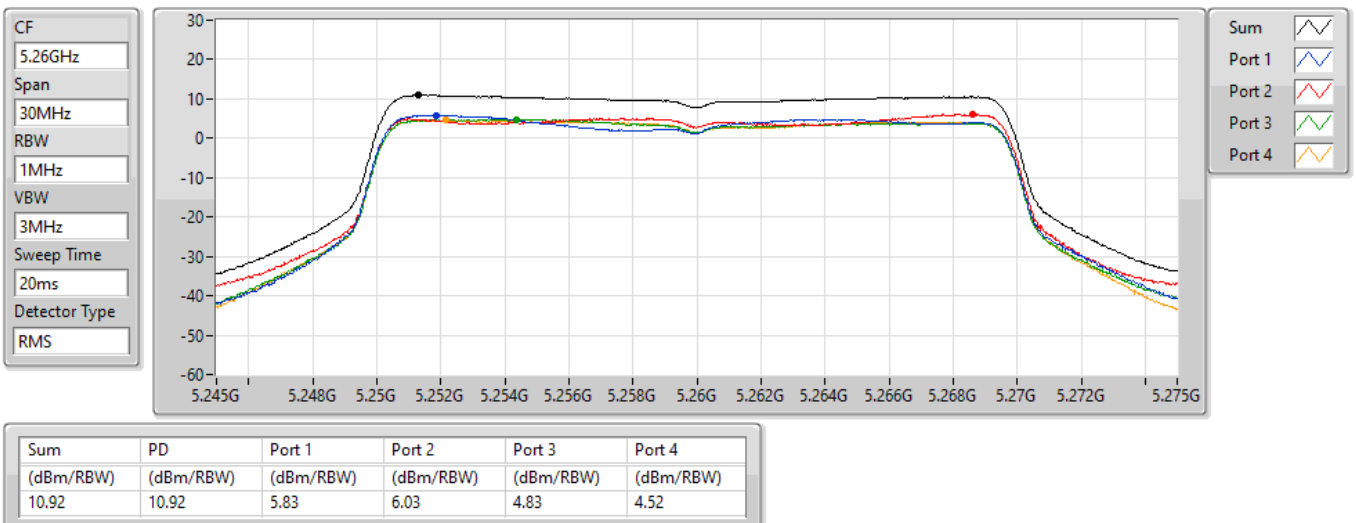


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5260MHz

02/11/2021

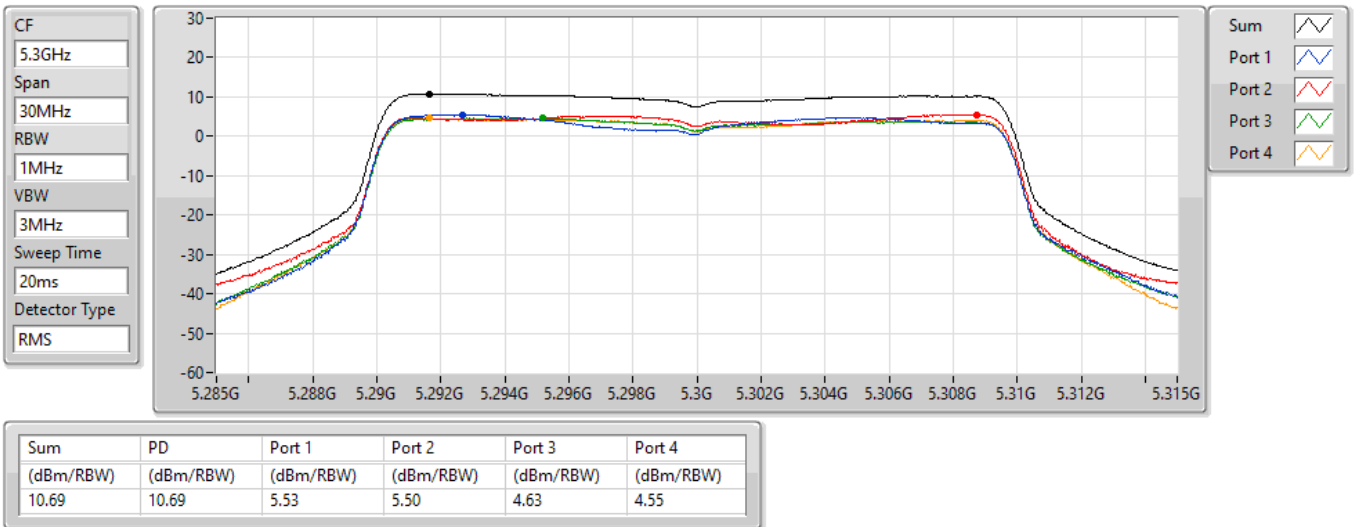


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5300MHz

02/11/2021

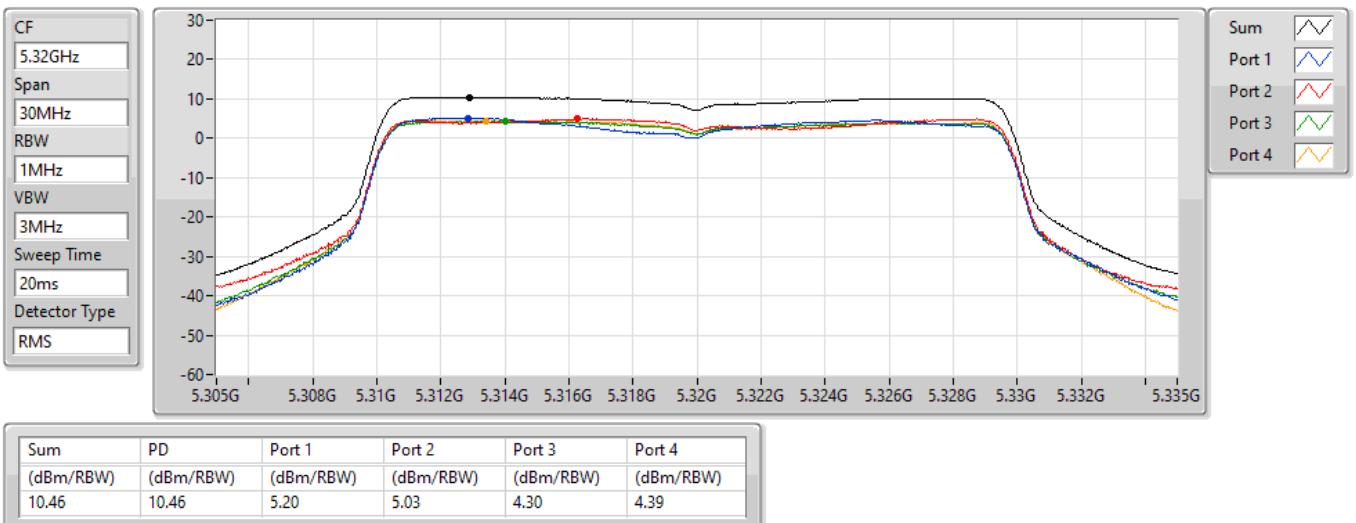


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

02/11/2021

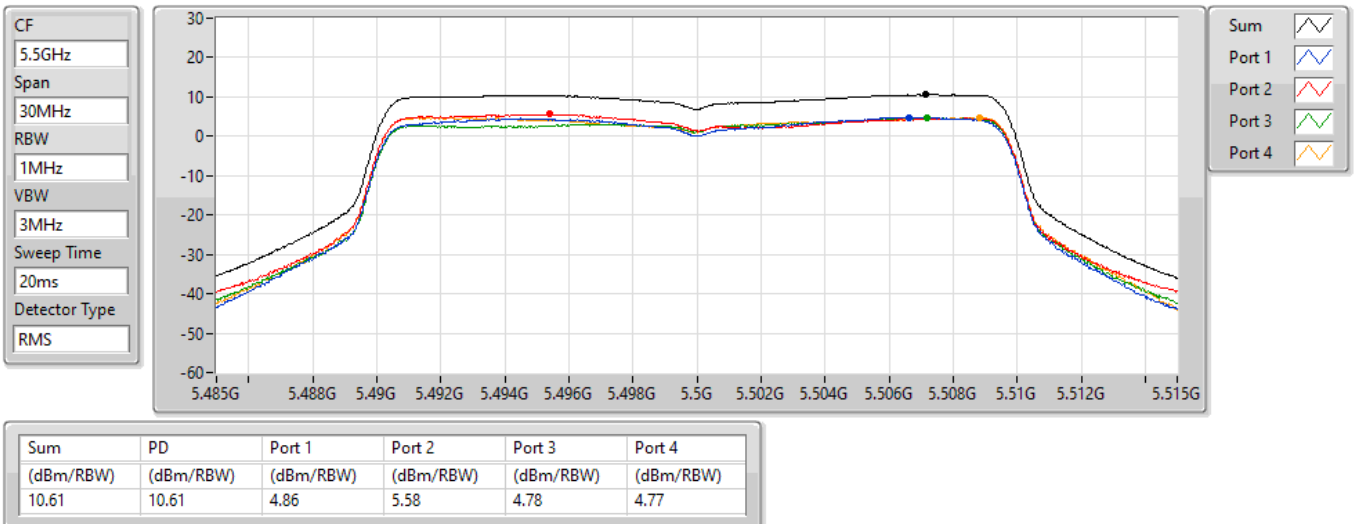


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

02/11/2021

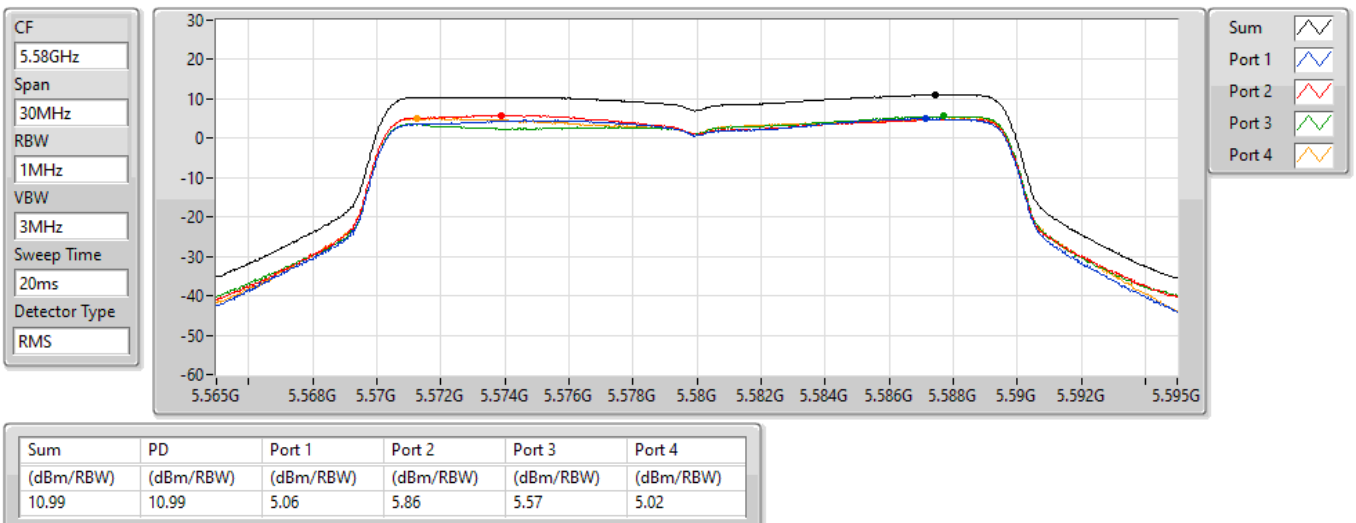


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

02/11/2021

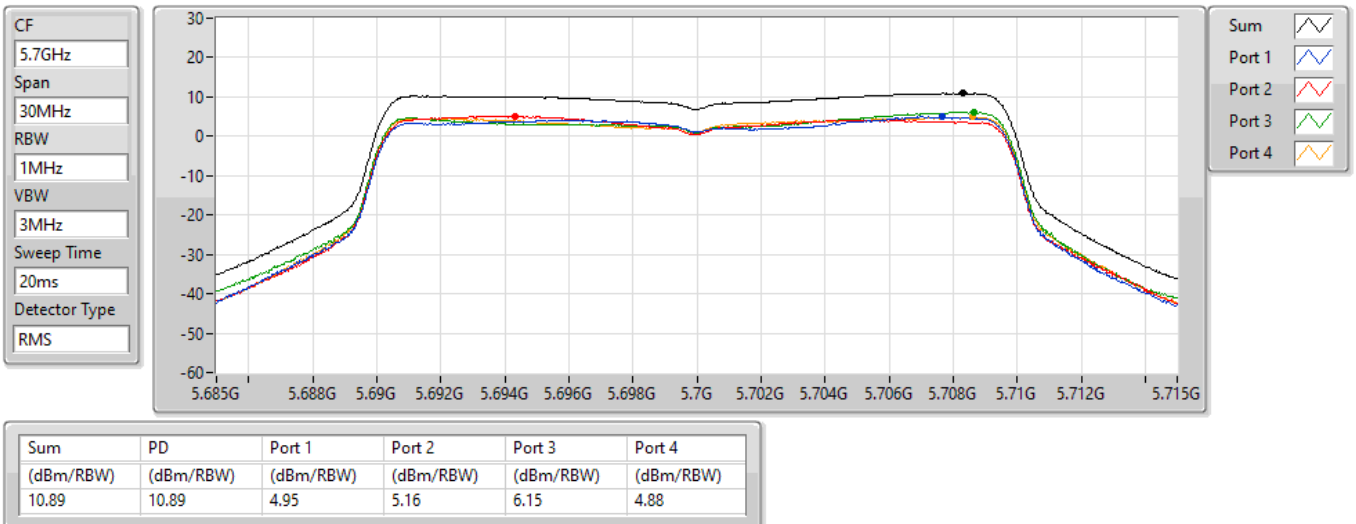


802.11ax HEW20_Nss1,(MCS0)_4TX

5700MHz

PSD

02/11/2021

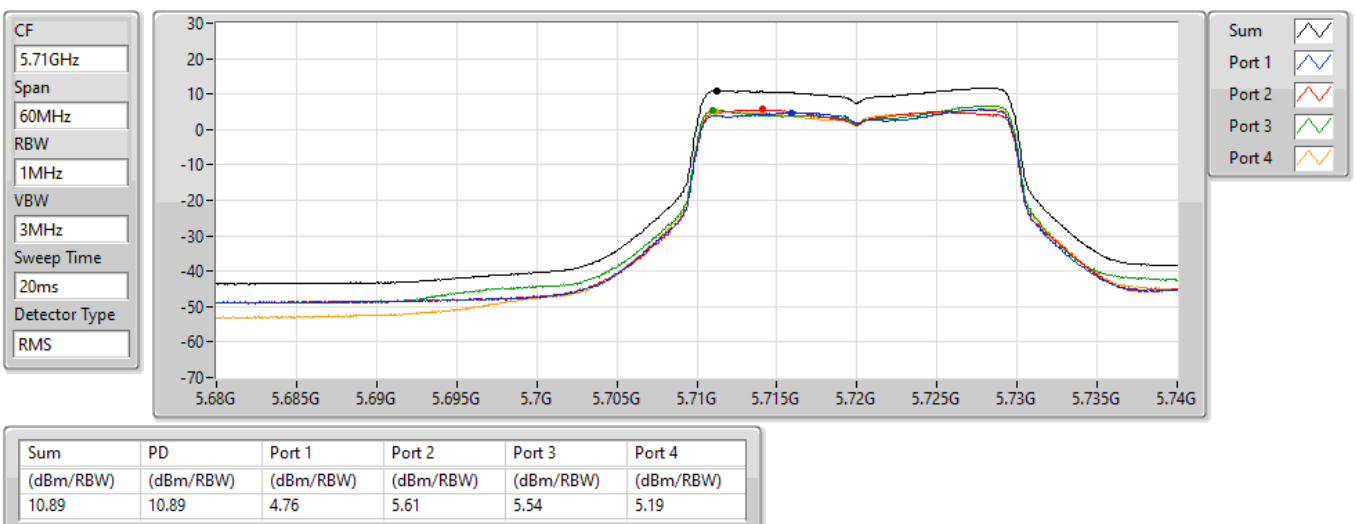


802.11ax HEW20_Nss1,(MCS0)_4TX

5720MHz Straddle 5.47-5.725GHz

PSD

02/11/2021

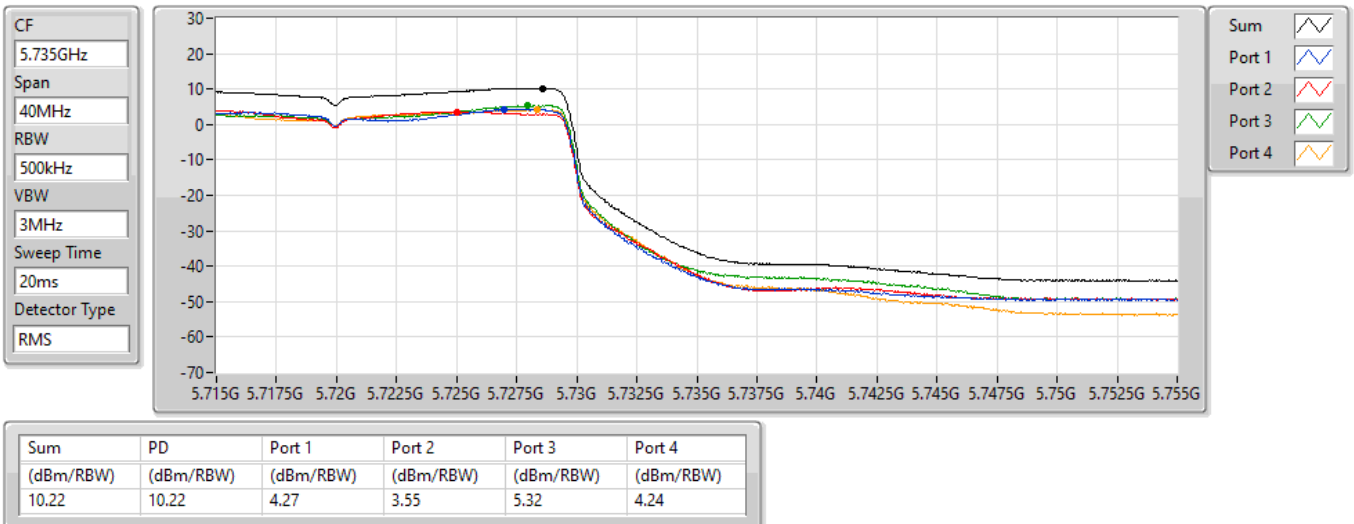


802.11ax HEW20_Nss1,(MCS0)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

02/11/2021

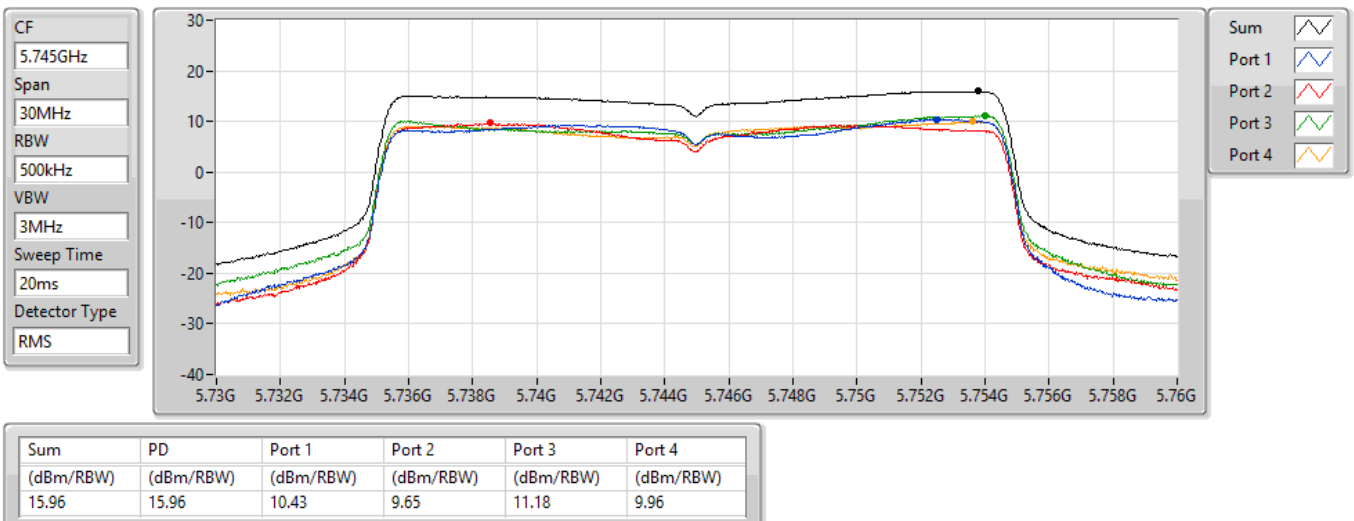


802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz

PSD

27/10/2021

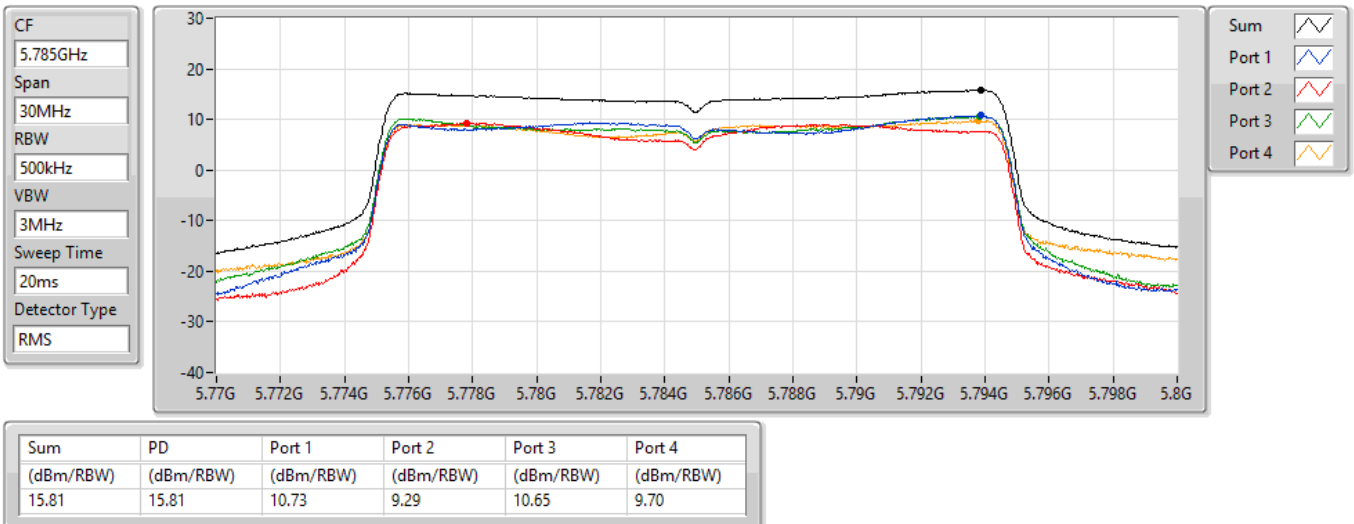


802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz

PSD

27/10/2021

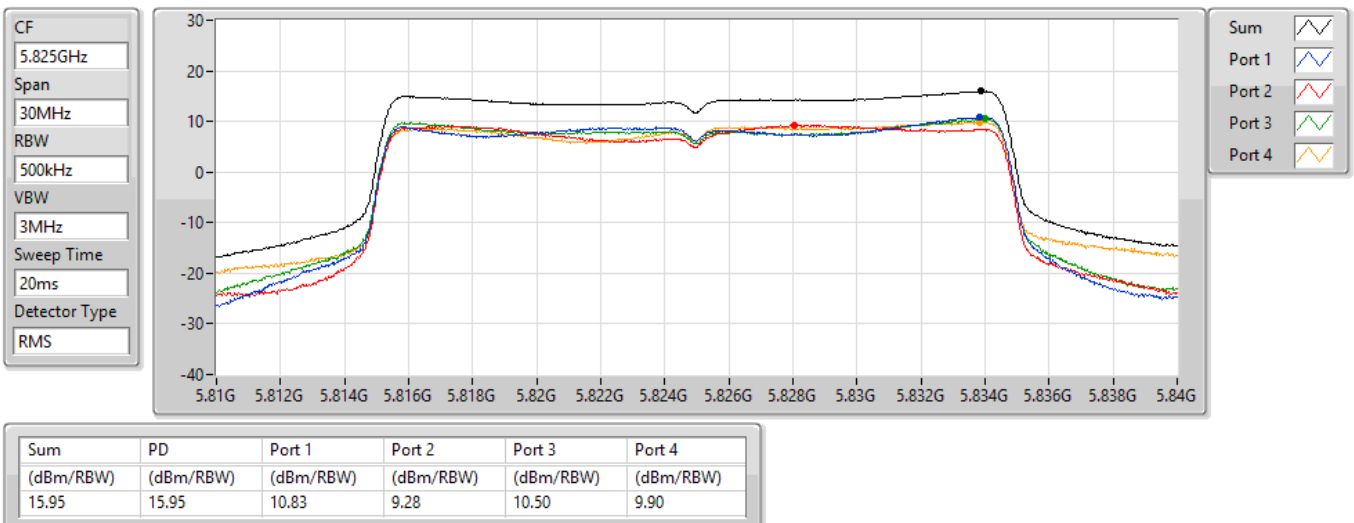


802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz

PSD

27/10/2021

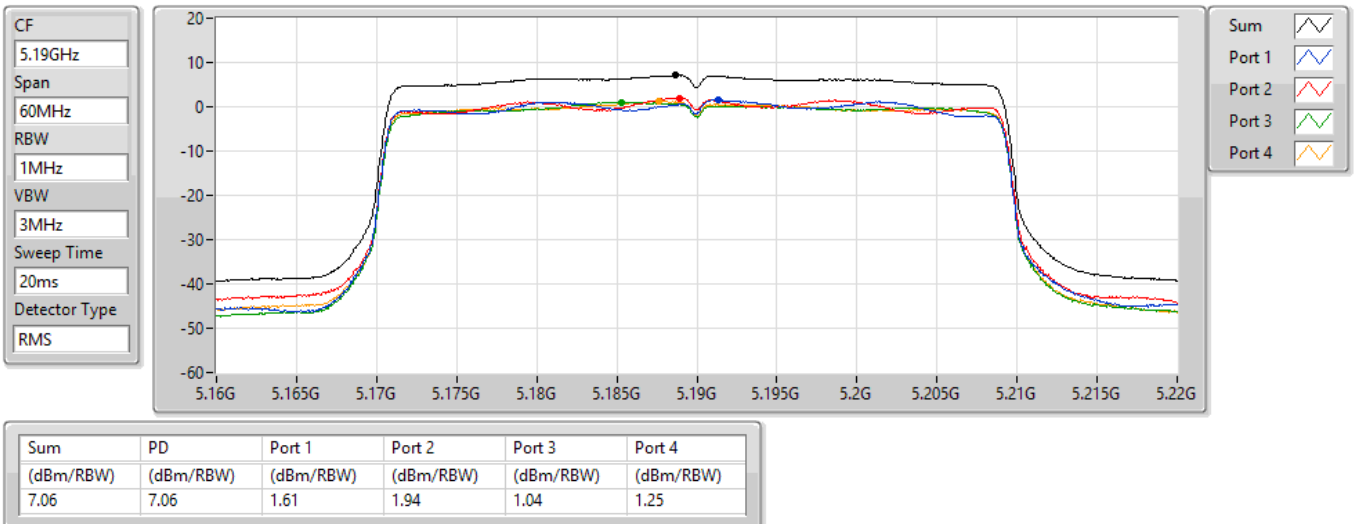


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

27/10/2021

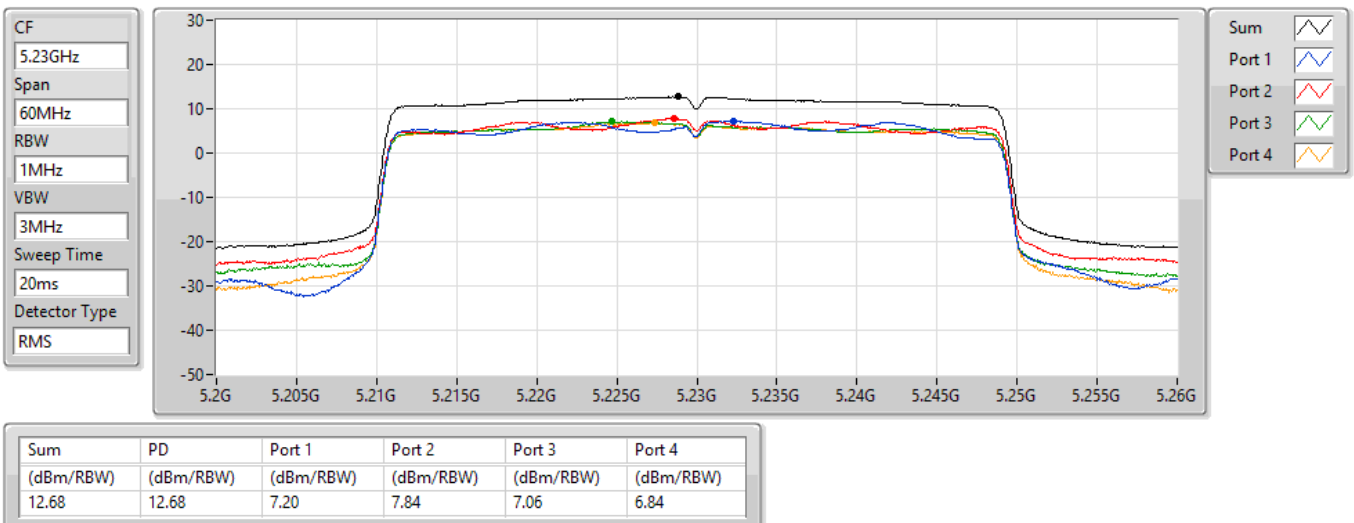


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

27/10/2021

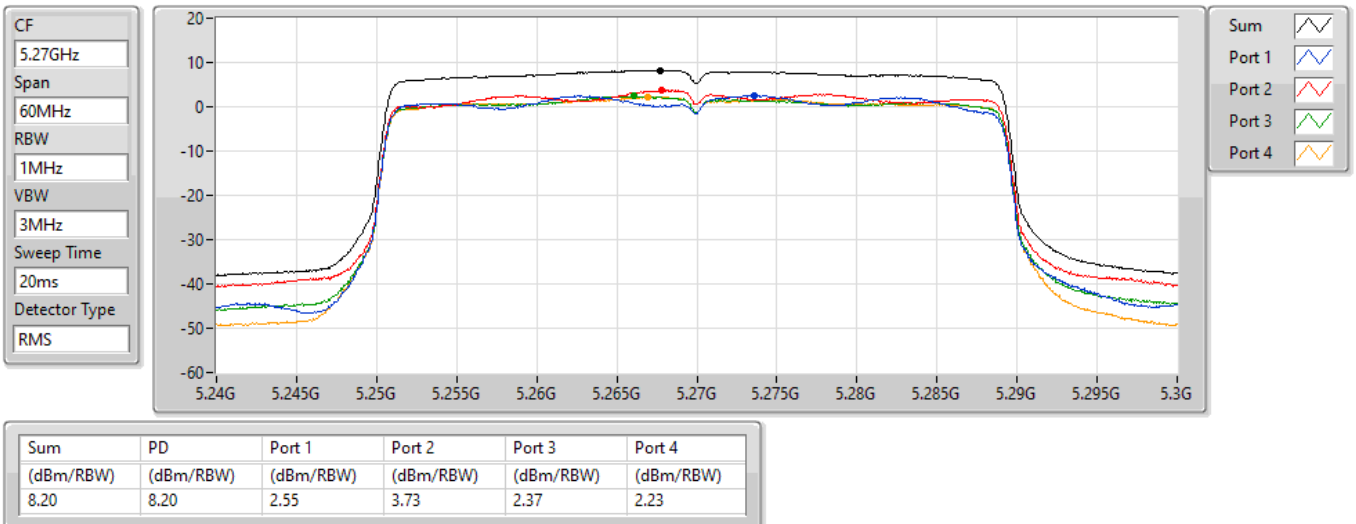


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5270MHz

02/11/2021

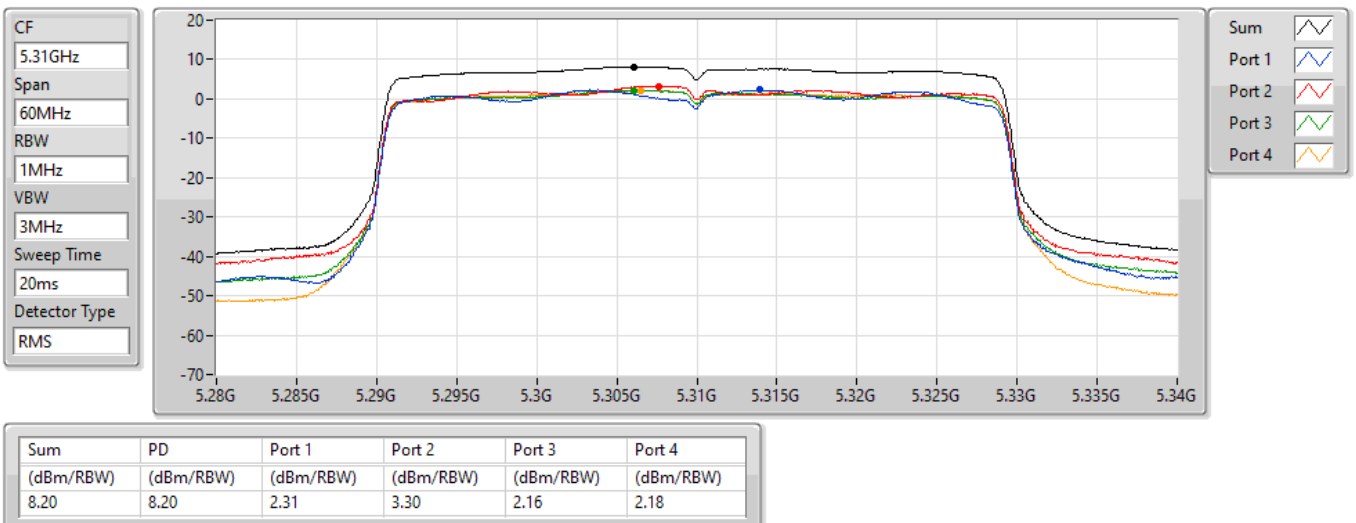


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5310MHz

02/11/2021

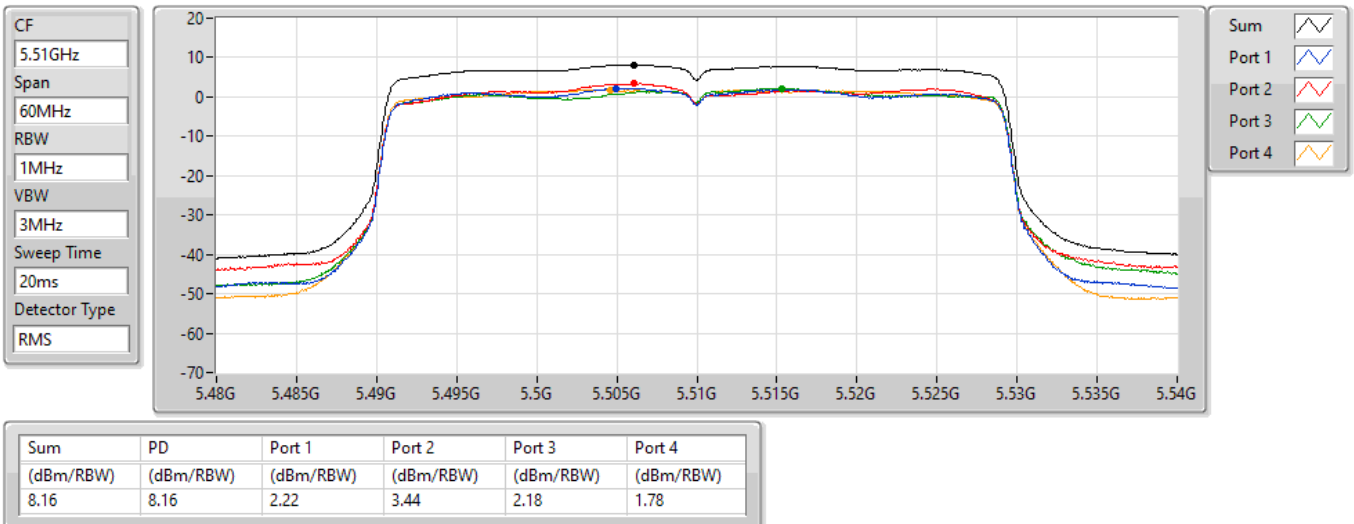


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5510MHz

02/11/2021

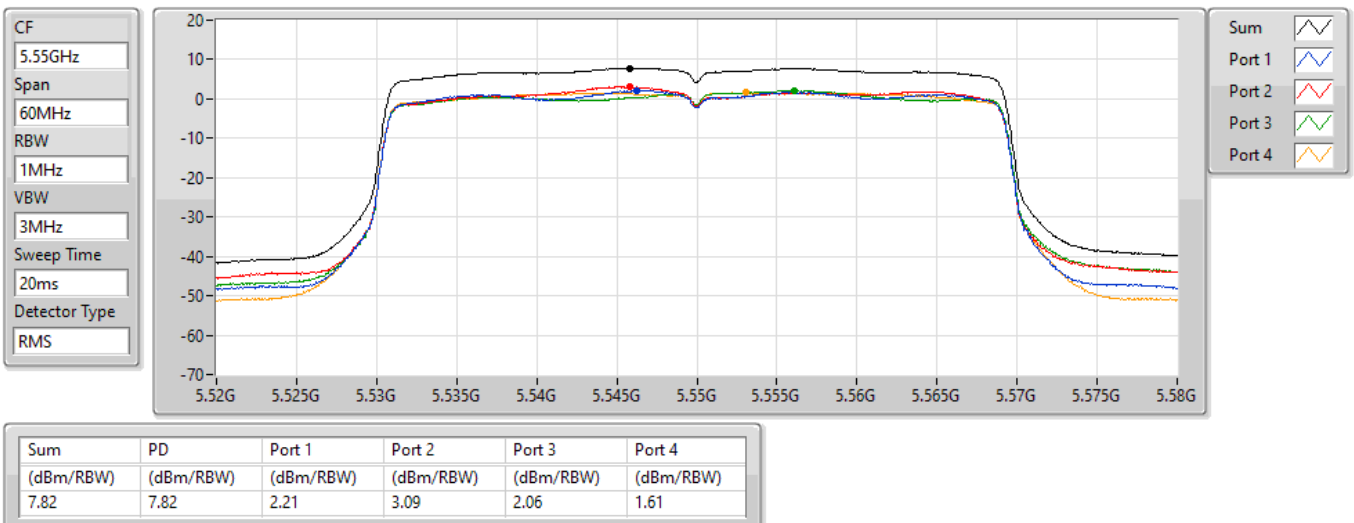


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5550MHz

02/11/2021

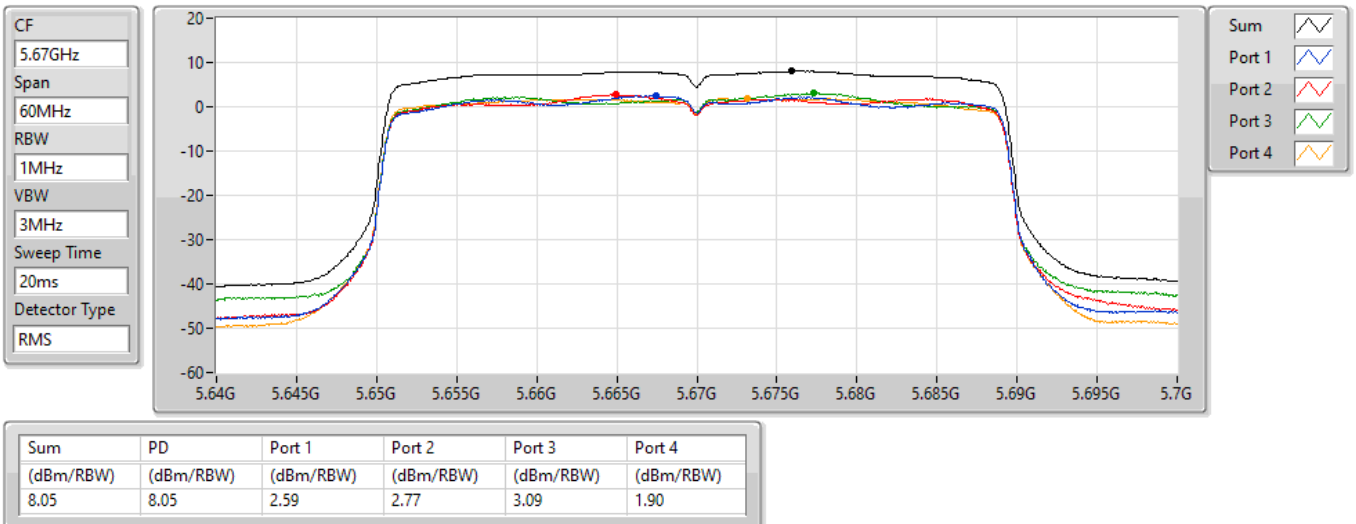


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5670MHz

02/11/2021

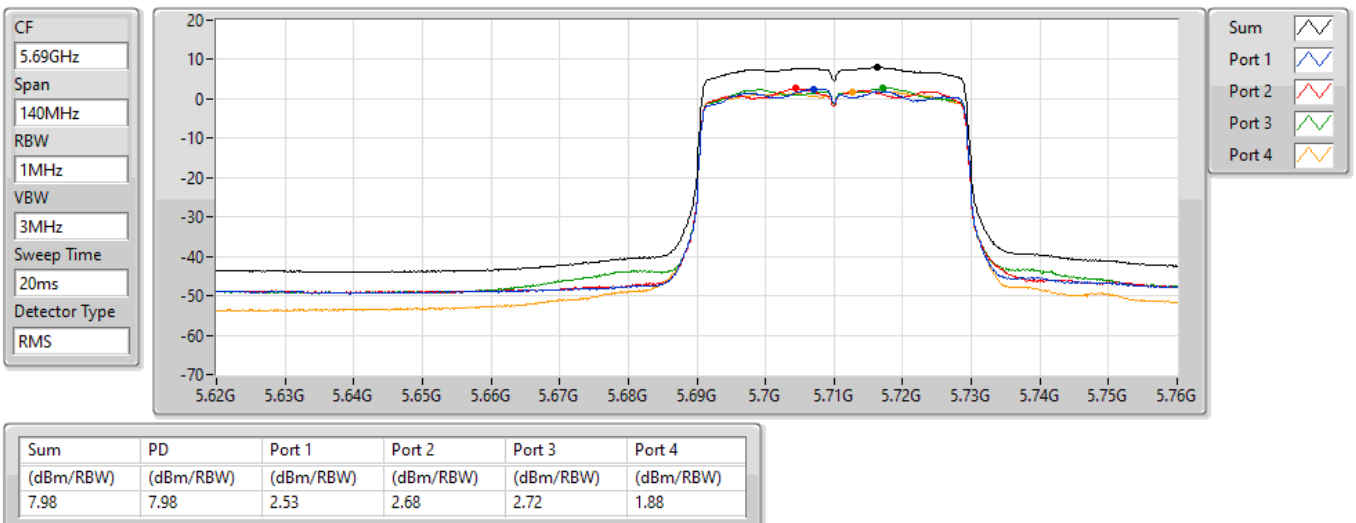


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

02/11/2021

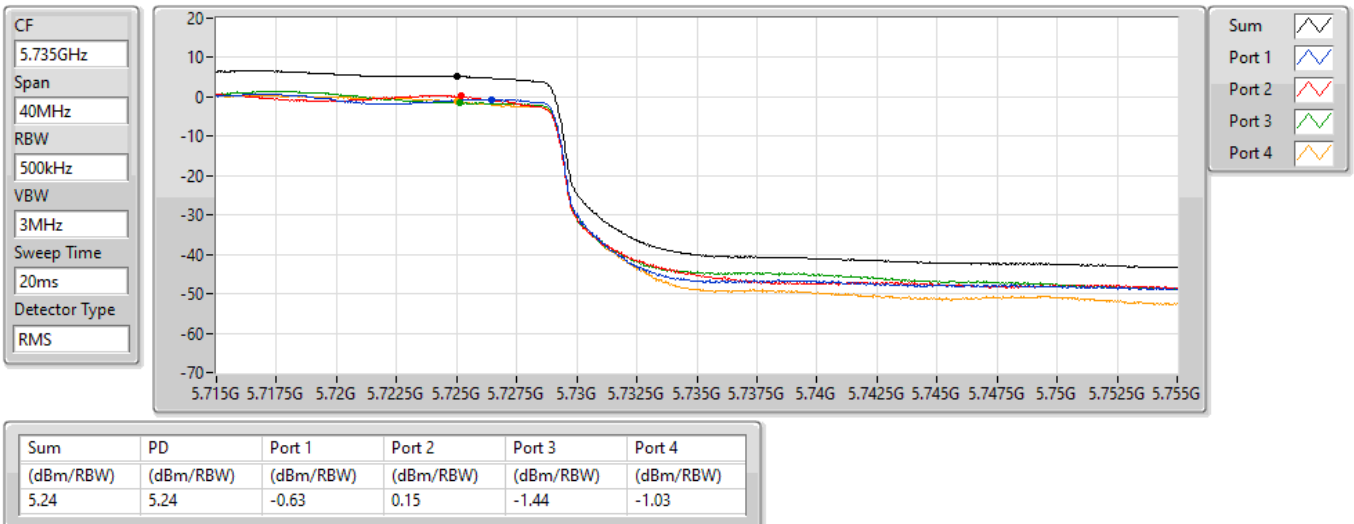


802.11ax HEW40_Nss1,(MCS0)_4TX

5710MHz Straddle 5.725-5.85GHz

PSD

02/11/2021

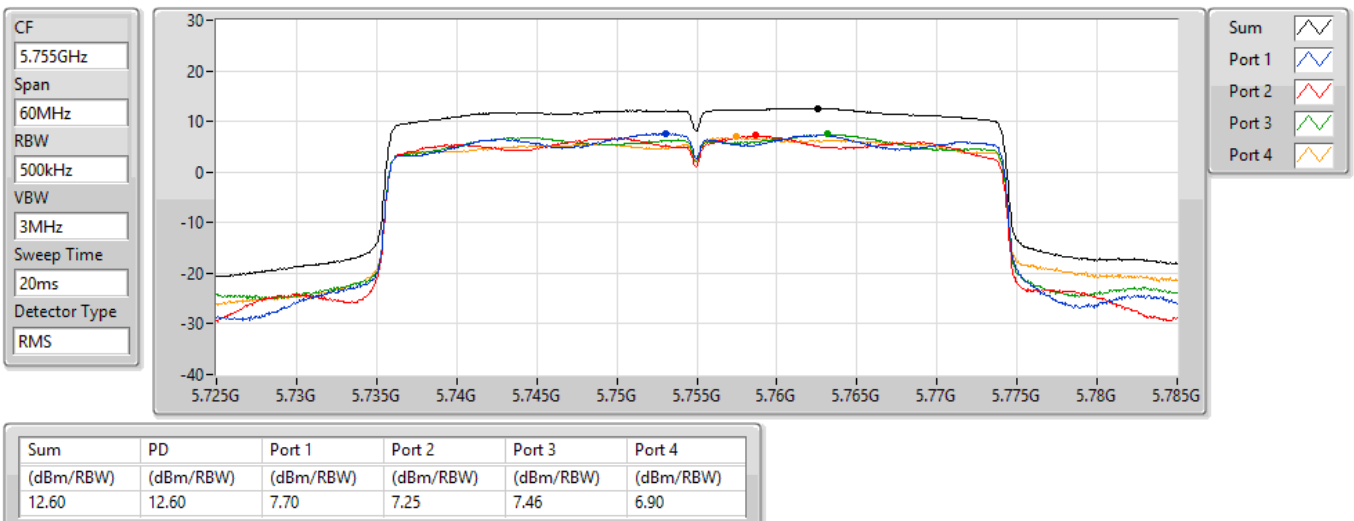


802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz

PSD

27/10/2021

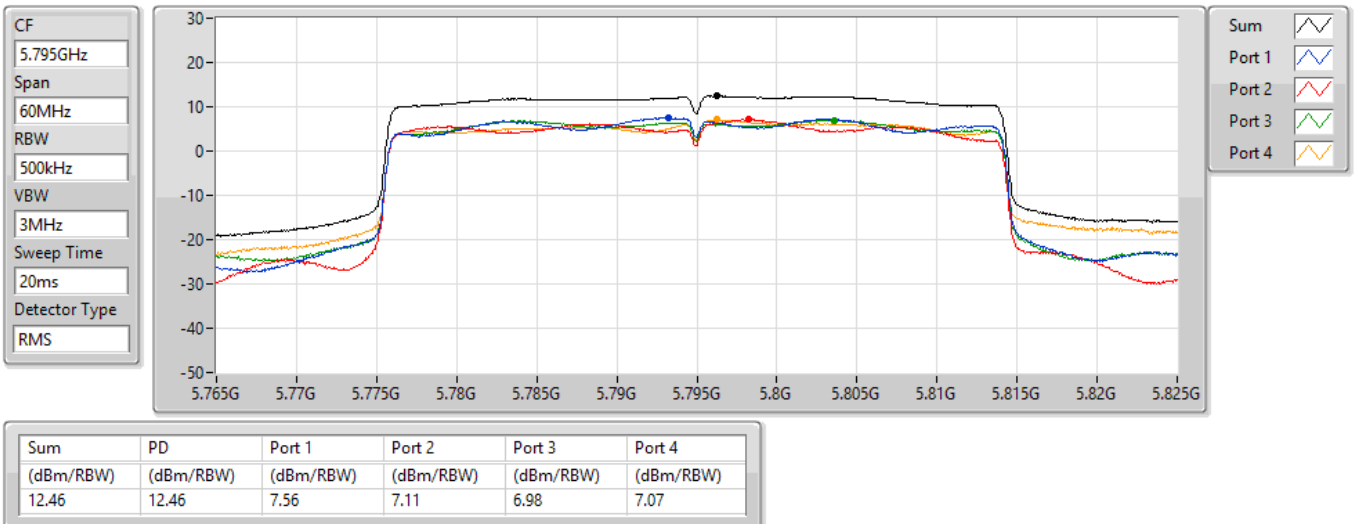


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

27/10/2021

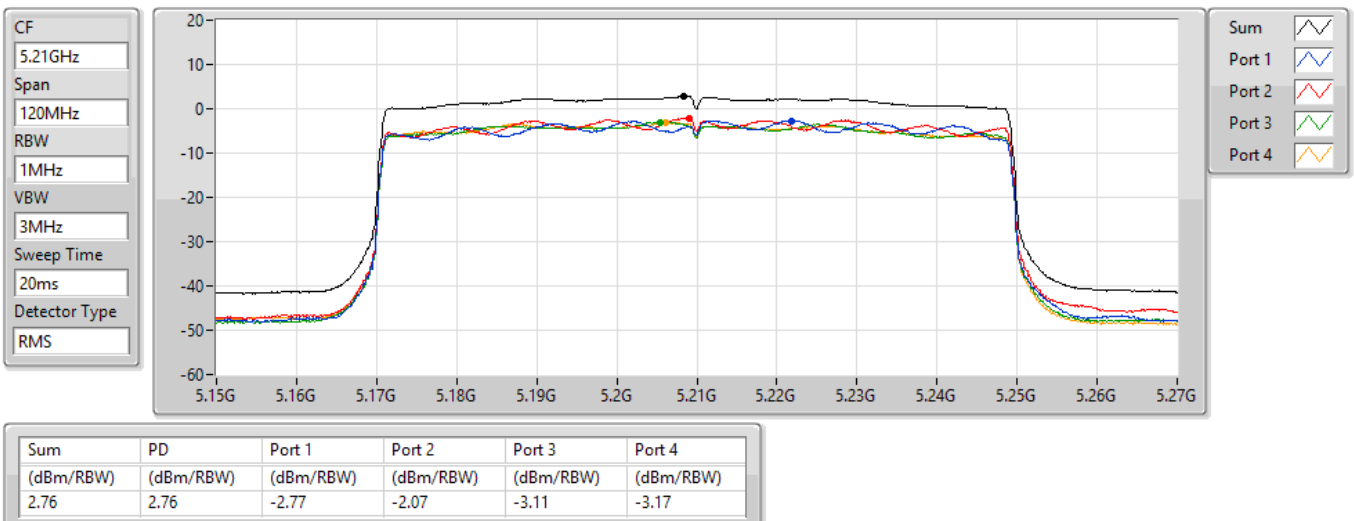


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

27/10/2021

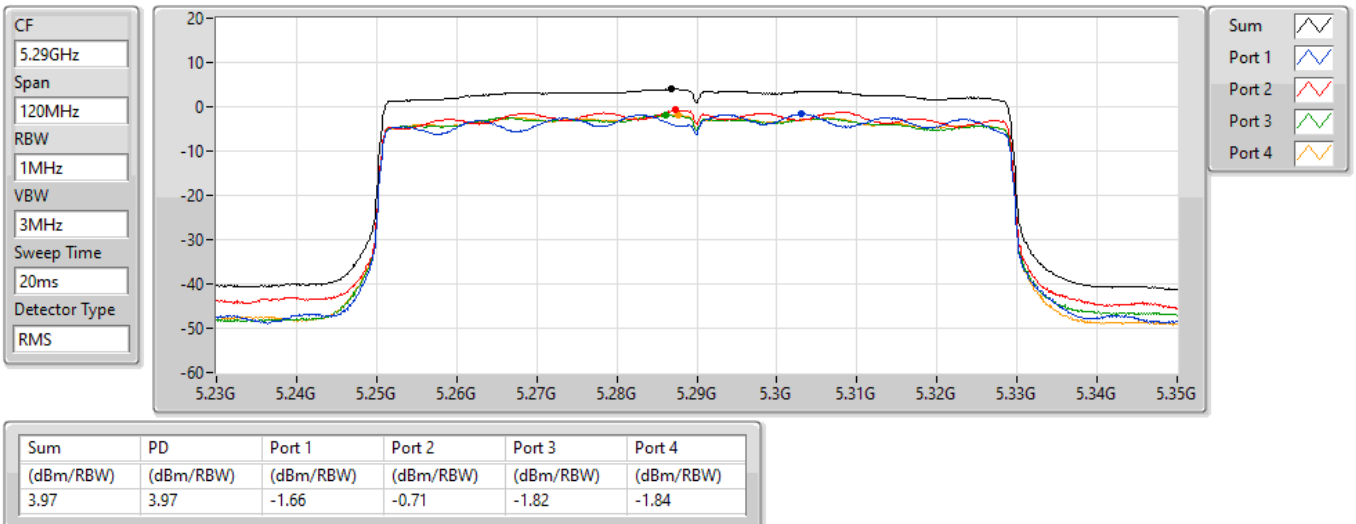


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

02/11/2021

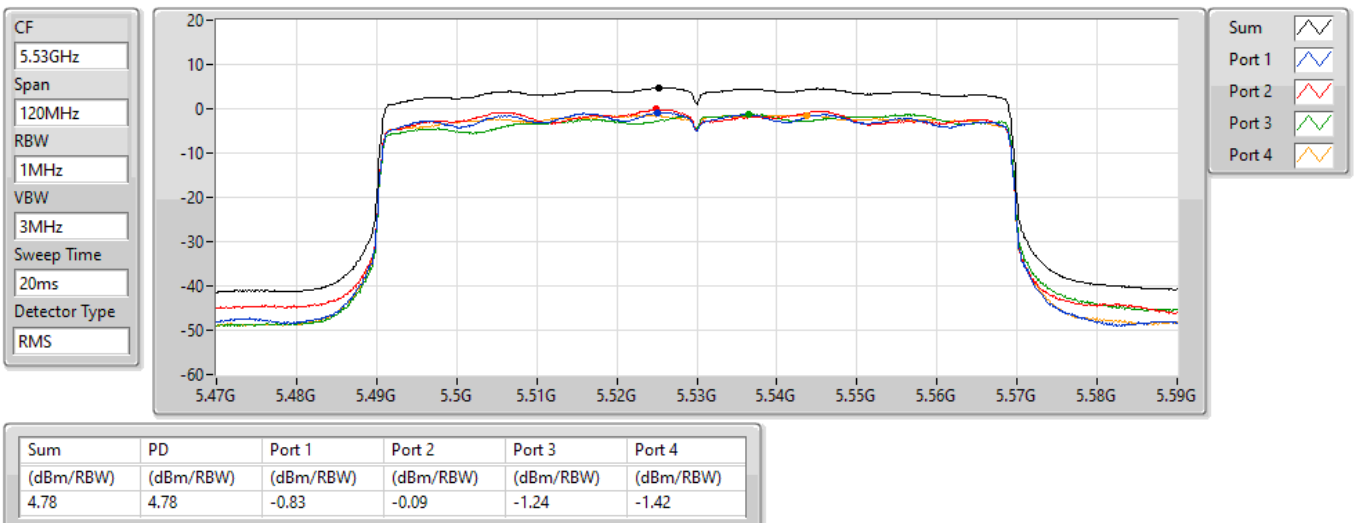


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5530MHz

02/11/2021

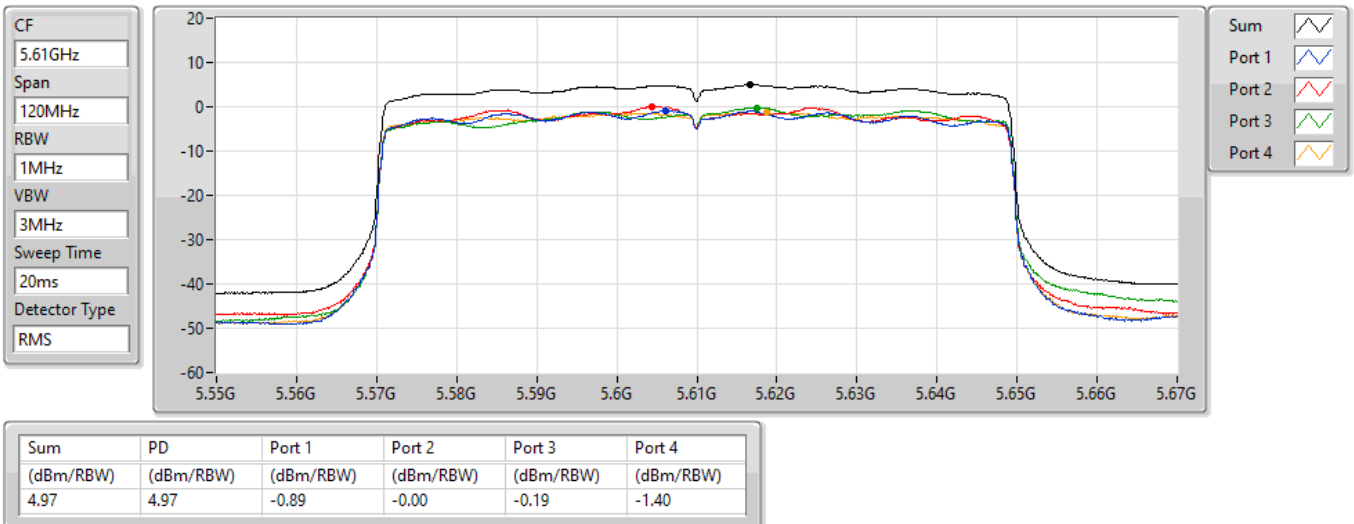


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5610MHz

02/11/2021

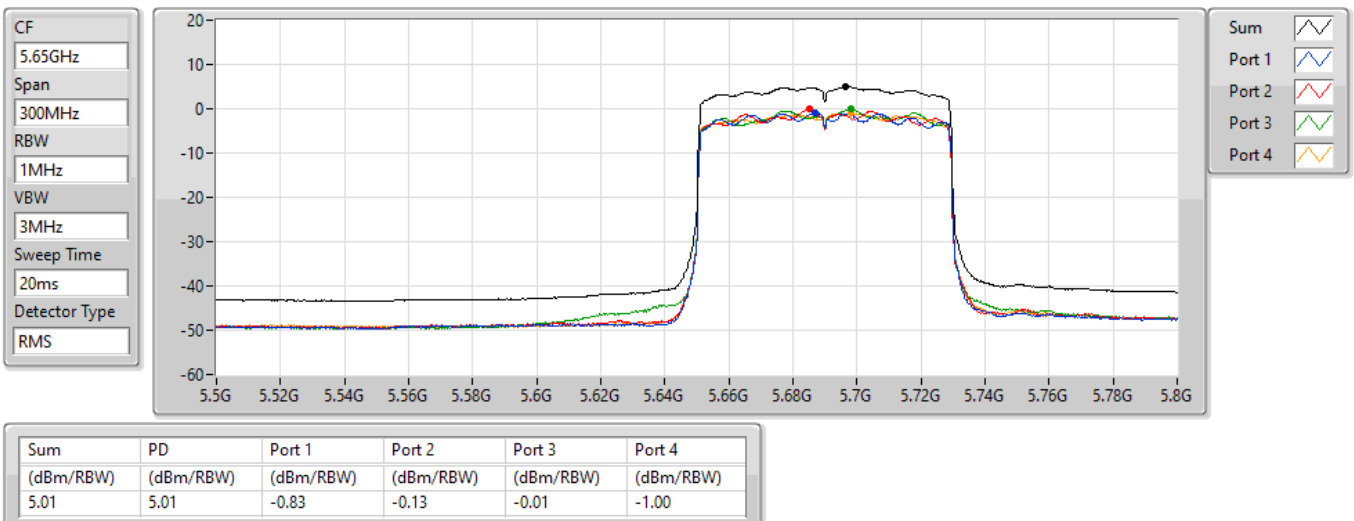


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

02/11/2021

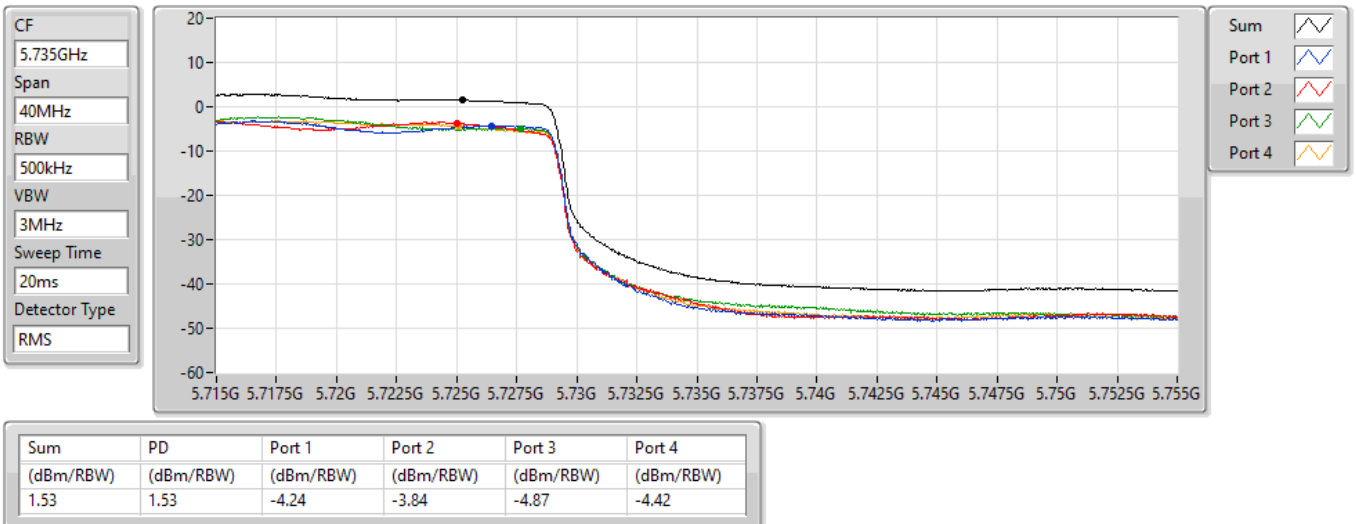


802.11ax HEW80_Nss1,(MCS0)_4TX

5690MHz Straddle 5.725-5.85GHz

PSD

02/11/2021

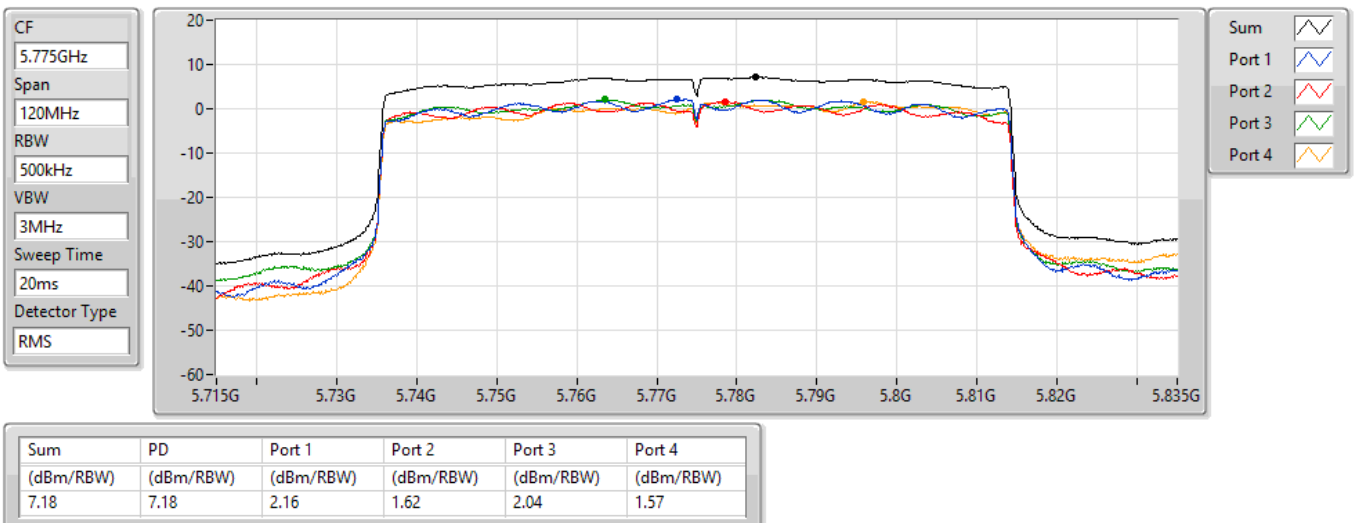


802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz

PSD

27/10/2021

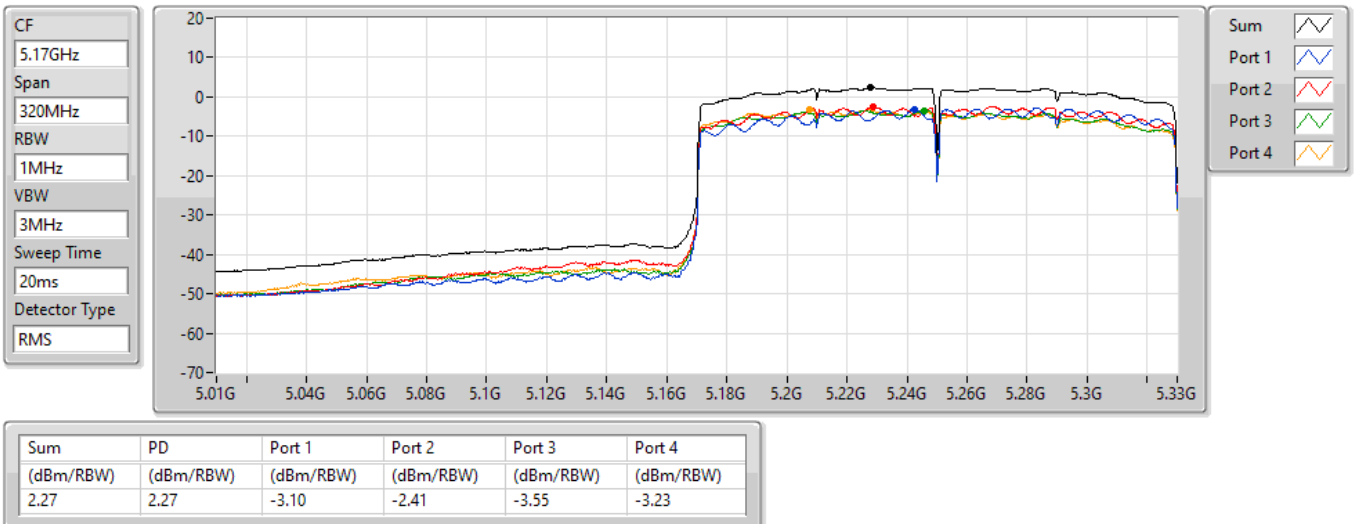


802.11ax HEW160_Nss1,(MCS0)_4TX

5250MHz Straddle 5.15-5.25GHz

PSD

02/11/2021

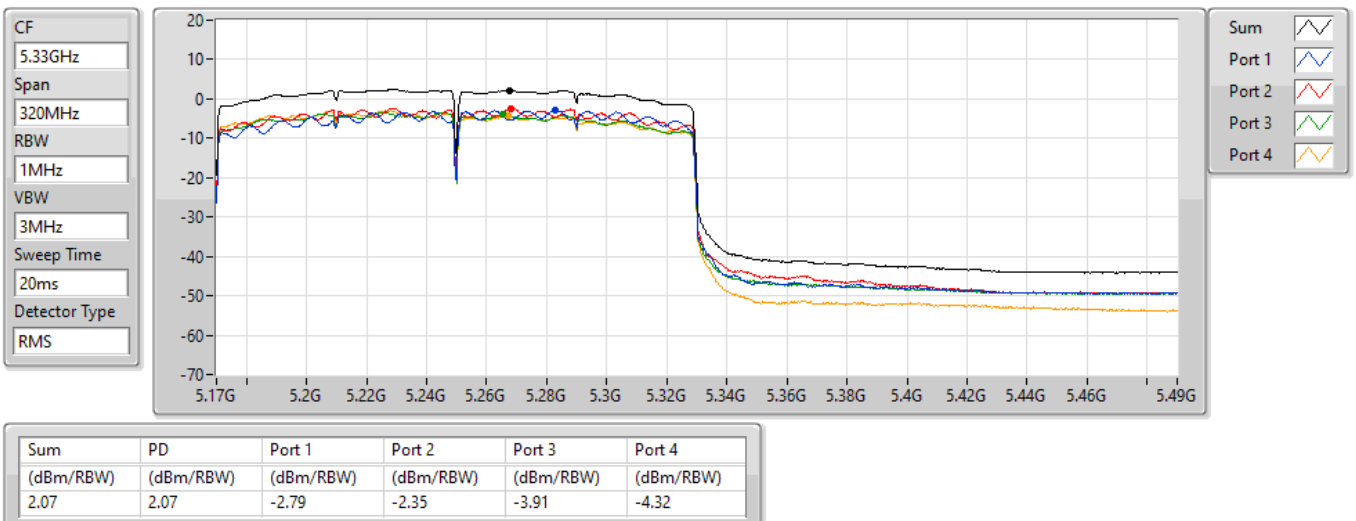


802.11ax HEW160_Nss1,(MCS0)_4TX

5250MHz Straddle 5.25-5.35GHz

PSD

02/11/2021

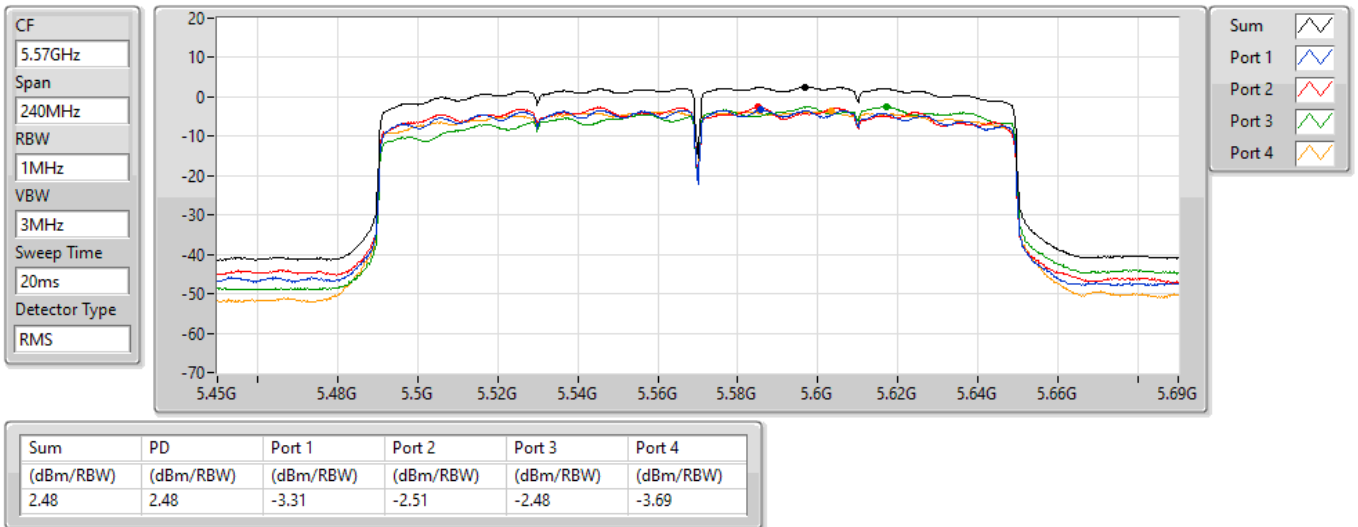


802.11ax HEW160_Nss1,(MCS0)_4TX

5570MHz

PSD

02/11/2021



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	14.99
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	12.36
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.35
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	1.71
5.25-5.35GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.25
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	8.68
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	1.71
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	1.36
5.47-5.725GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.71
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	8.43
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.60
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.64
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	15.42
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	12.09
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	7.92

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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.79	7.39	8.58	7.03	6.93	12.81	17.00
5200MHz	Pass	5.79	8.36	9.68	7.63	7.96	13.83	17.00
5240MHz	Pass	5.79	9.42	10.40	8.92	9.17	14.99	17.00
5260MHz	Pass	5.78	6.82	4.73	4.59	3.56	10.20	11.00
5300MHz	Pass	5.78	5.59	5.07	3.88	2.76	10.25	11.00
5320MHz	Pass	5.78	5.39	5.10	3.99	3.85	10.16	11.00
5500MHz	Pass	5.98	4.28	5.38	3.73	3.79	10.07	11.00
5580MHz	Pass	5.98	3.65	4.92	6.47	3.17	10.54	11.00
5700MHz	Pass	5.98	4.79	4.79	4.80	5.00	10.27	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.98	5.36	5.16	6.07	5.50	10.71	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.45	3.26	4.02	3.08	2.40	9.06	30.00
5745MHz	Pass	5.45	9.19	9.36	9.82	9.39	15.16	30.00
5785MHz	Pass	5.45	9.14	9.49	9.44	8.54	14.85	30.00
5825MHz	Pass	5.45	9.46	9.91	9.66	9.62	15.42	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.79	2.57	4.01	1.97	2.32	8.28	17.00
5230MHz	Pass	5.79	6.83	7.82	6.73	6.30	12.36	17.00
5270MHz	Pass	5.78	1.27	3.75	5.13	4.68	8.68	11.00
5310MHz	Pass	5.78	-0.69	-0.39	-0.79	-0.15	5.37	11.00
5510MHz	Pass	5.98	3.70	3.11	1.92	3.85	8.43	11.00
5550MHz	Pass	5.98	2.13	1.84	3.92	2.42	7.49	11.00
5670MHz	Pass	5.98	0.75	2.14	2.42	2.22	7.18	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.98	1.11	1.88	1.06	2.95	7.24	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.45	0.21	-1.82	0.41	-3.80	4.80	30.00
5755MHz	Pass	5.45	6.67	7.18	6.84	6.56	12.09	30.00
5795MHz	Pass	5.45	6.39	6.56	6.27	6.43	11.31	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.79	-2.87	-0.59	-4.23	-1.54	3.35	17.00
5290MHz	Pass	5.78	-2.17	-2.69	-2.76	-2.89	1.71	11.00
5530MHz	Pass	5.98	-1.92	-1.45	-1.80	-1.94	3.50	11.00
5610MHz	Pass	5.98	-1.74	-0.57	-0.53	-0.81	4.60	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.98	-2.00	-1.97	-0.39	0.10	3.66	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.45	-3.12	-3.41	-3.82	-3.86	2.18	30.00
5775MHz	Pass	5.45	3.58	2.62	3.28	2.23	7.92	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.79	-4.19	-2.91	-3.99	-3.94	1.71	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.78	-3.34	-2.95	-4.77	-4.76	1.36	11.00
5570MHz	Pass	5.98	-5.58	-3.64	-2.88	-5.38	0.64	11.00

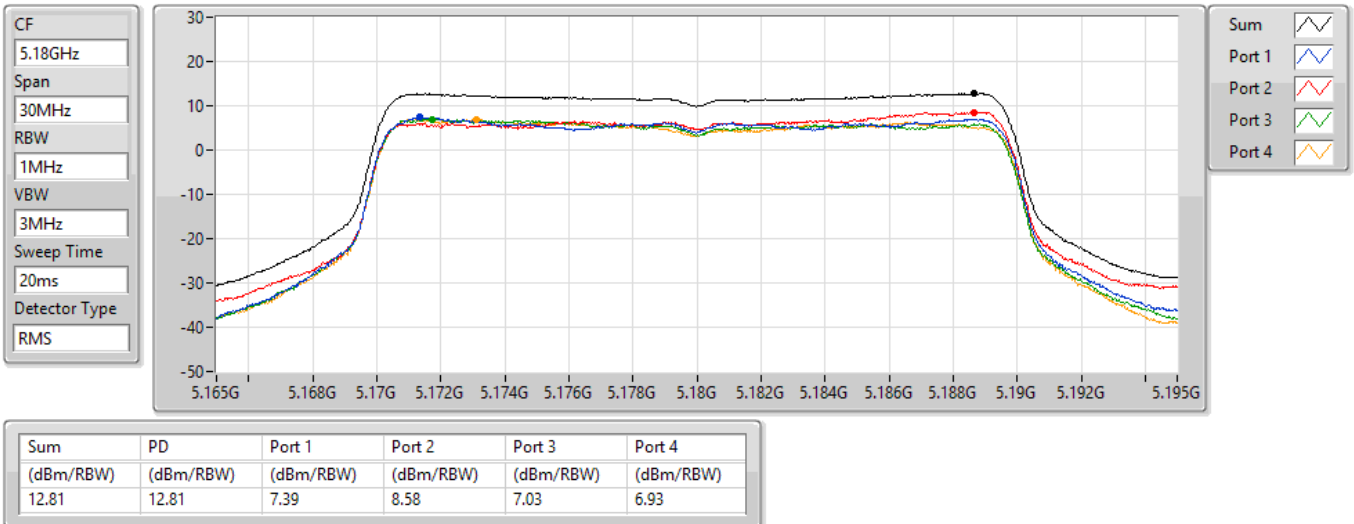
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

27/10/2021

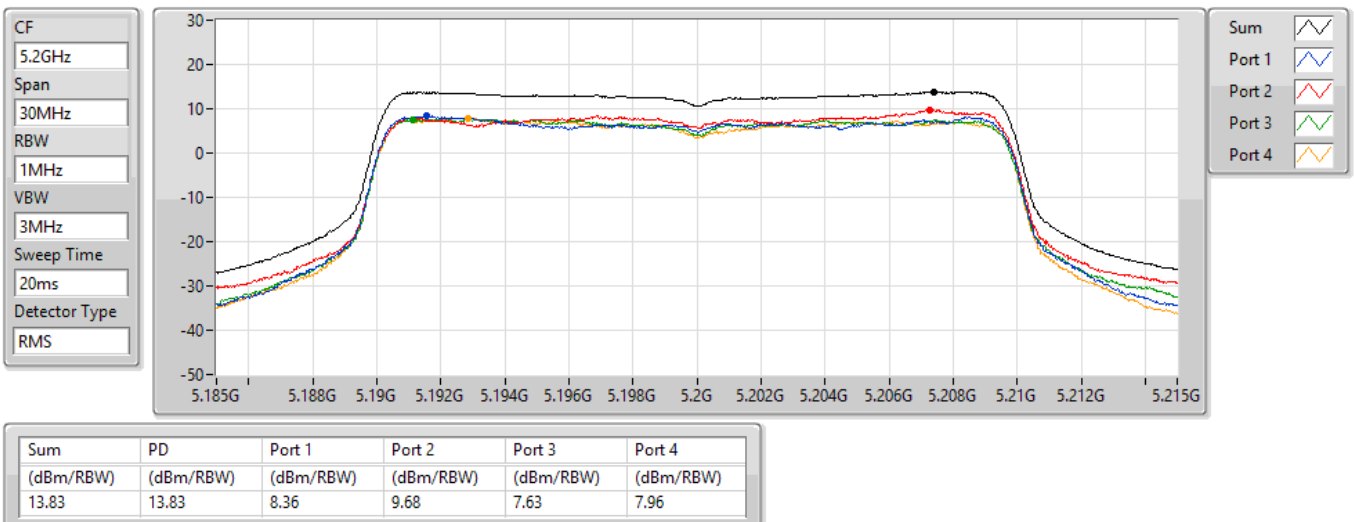


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

27/10/2021

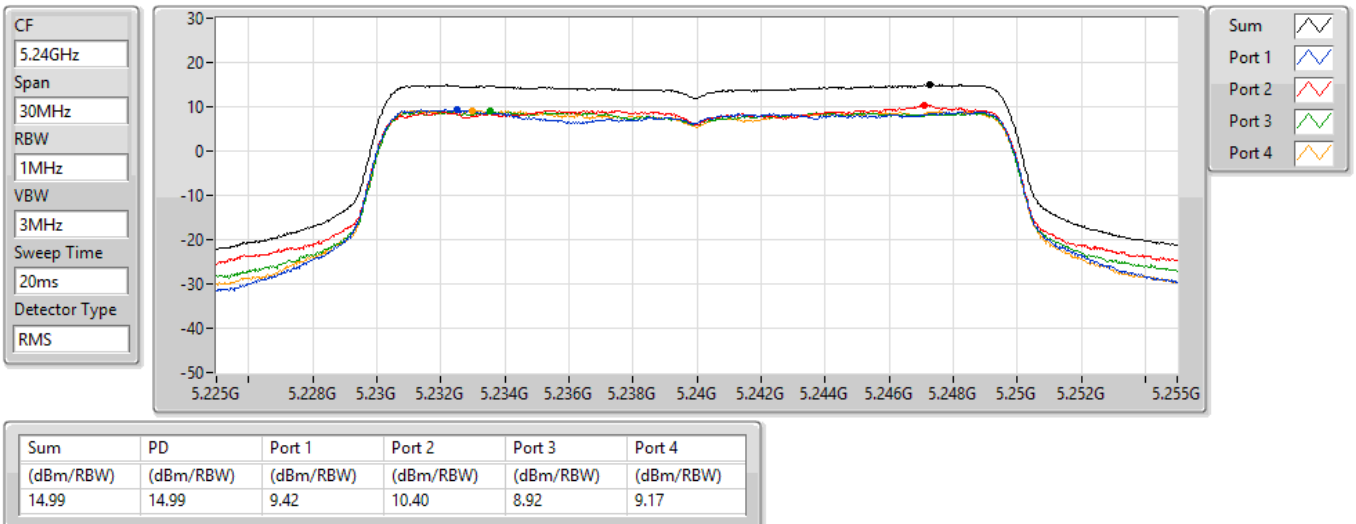


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

27/10/2021

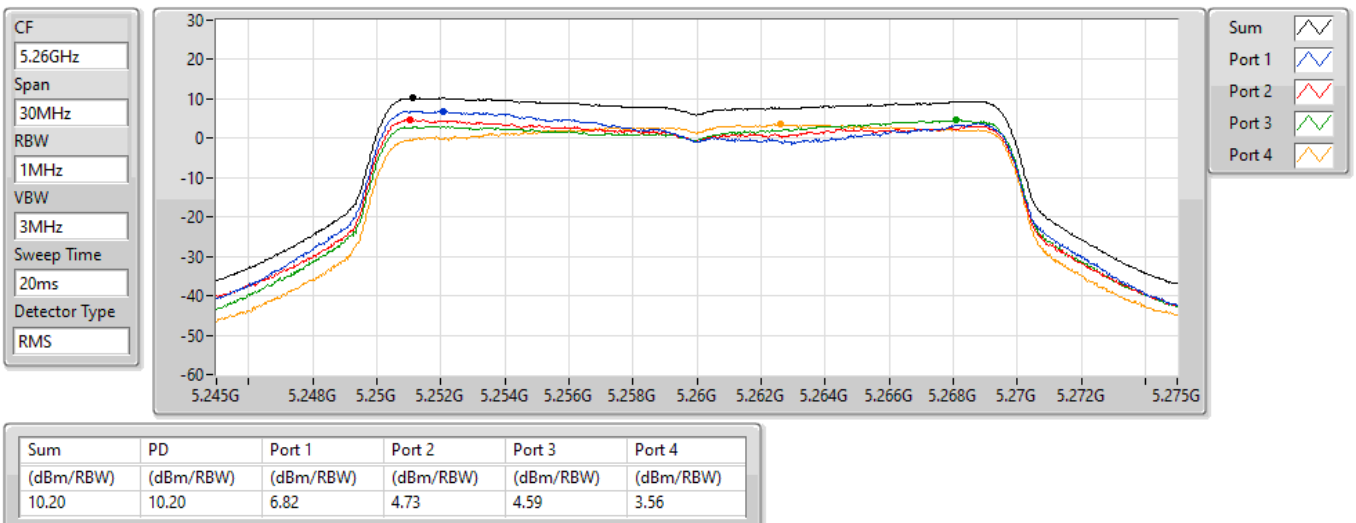


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

03/11/2021

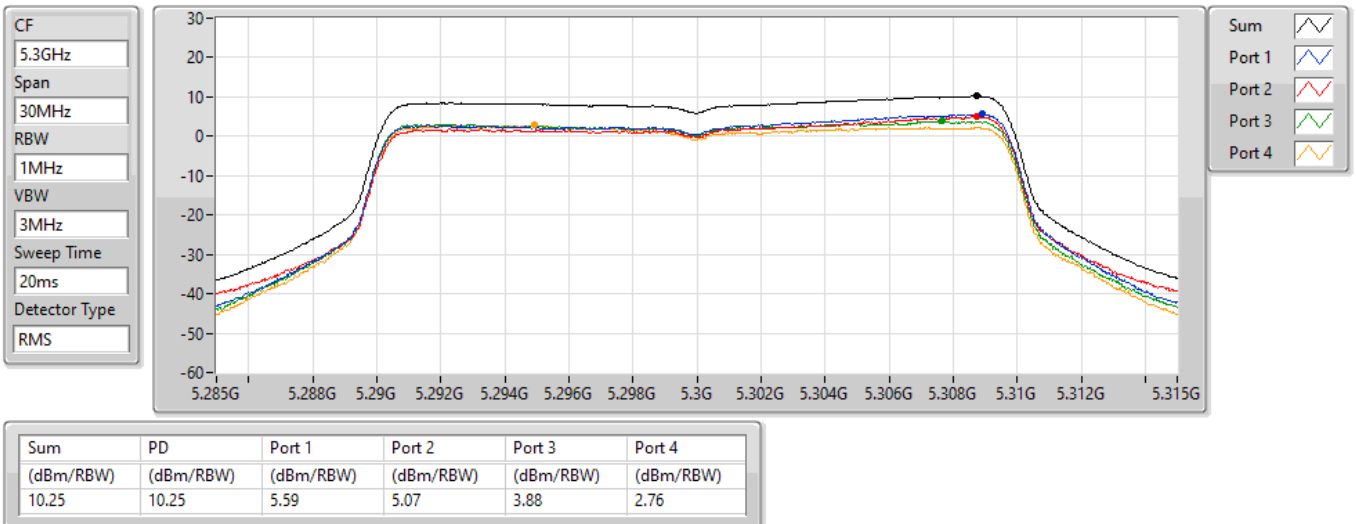


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5300MHz

PSD

03/11/2021

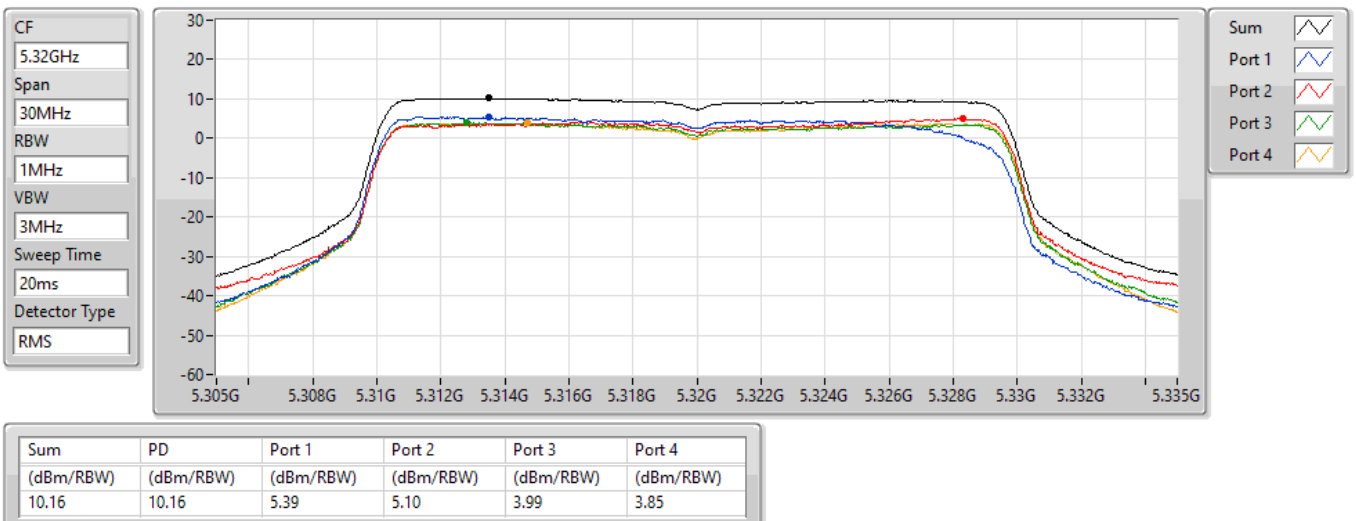


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5320MHz

PSD

03/11/2021

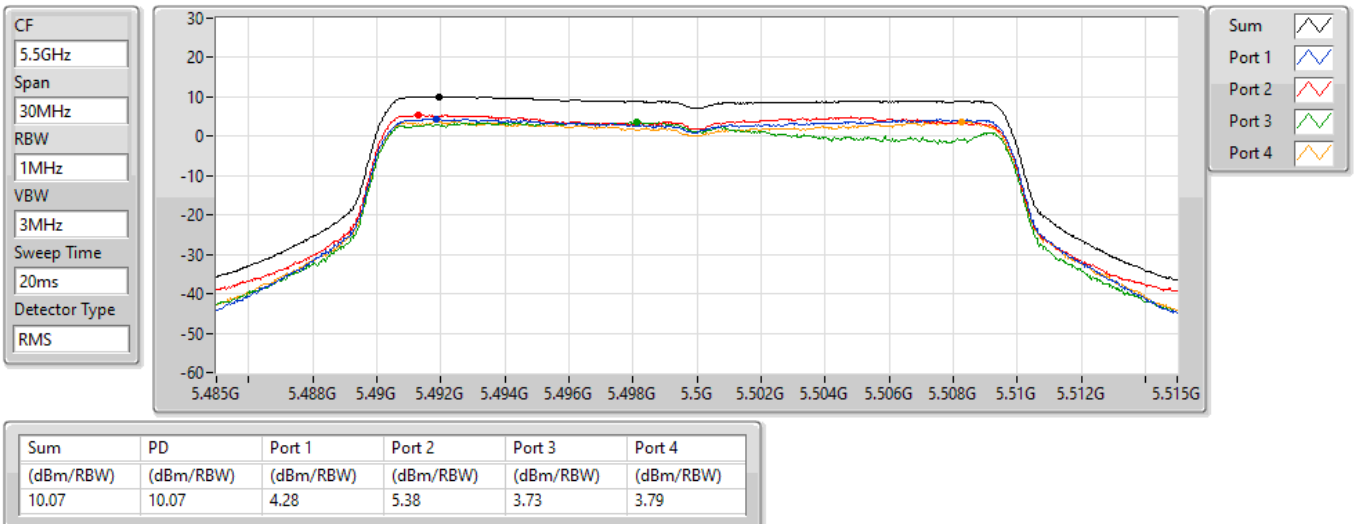


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

03/11/2021

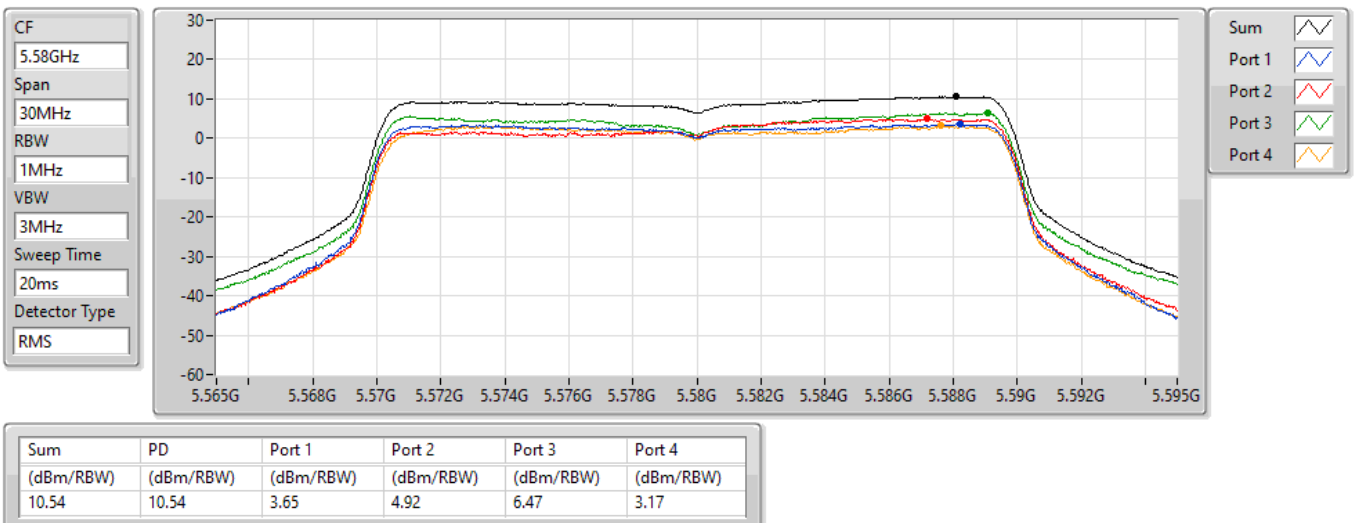


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

03/11/2021

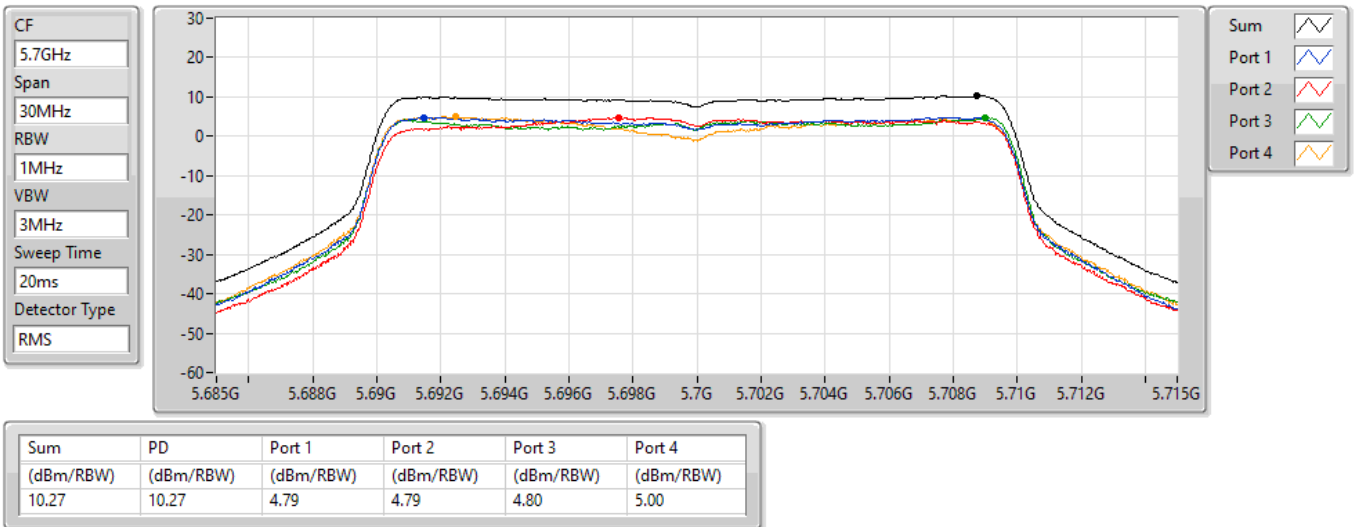


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

03/11/2021

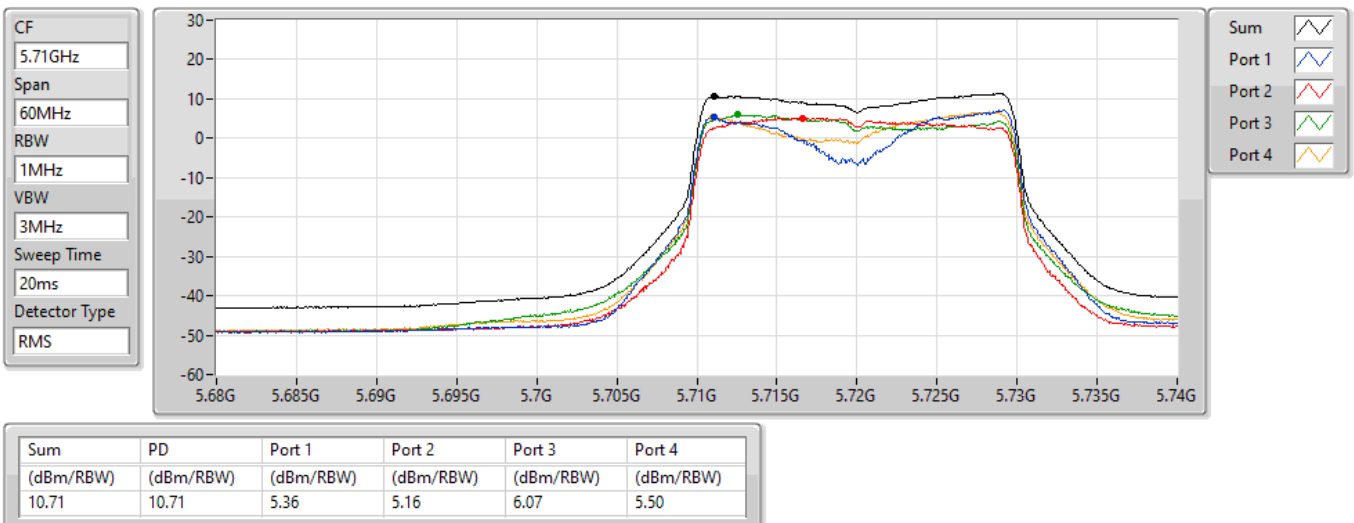


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

03/11/2021

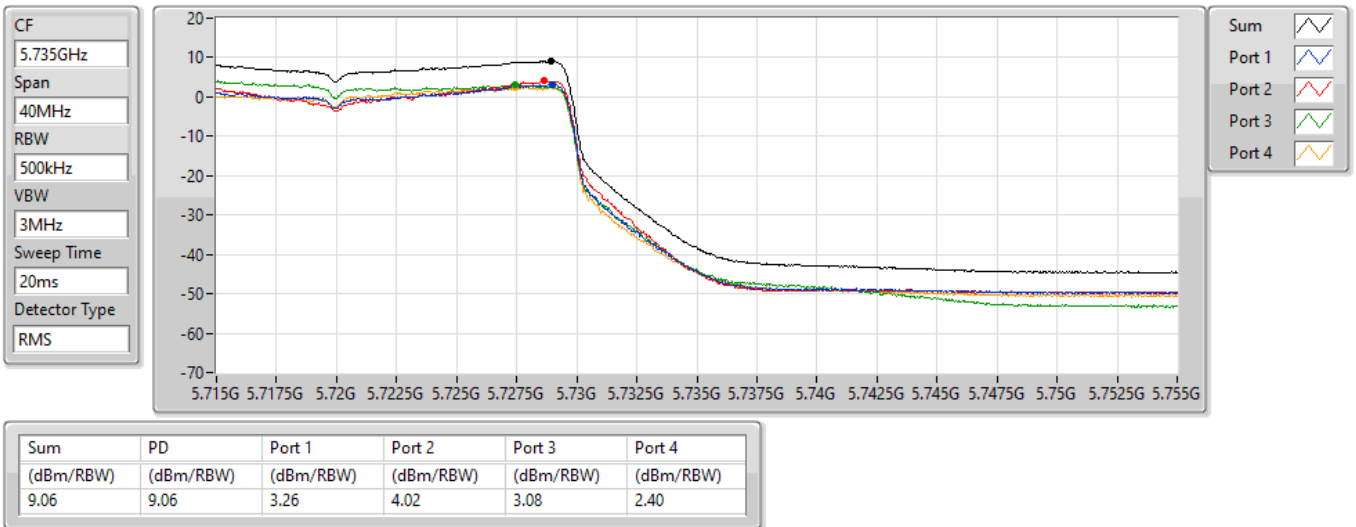


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

03/11/2021

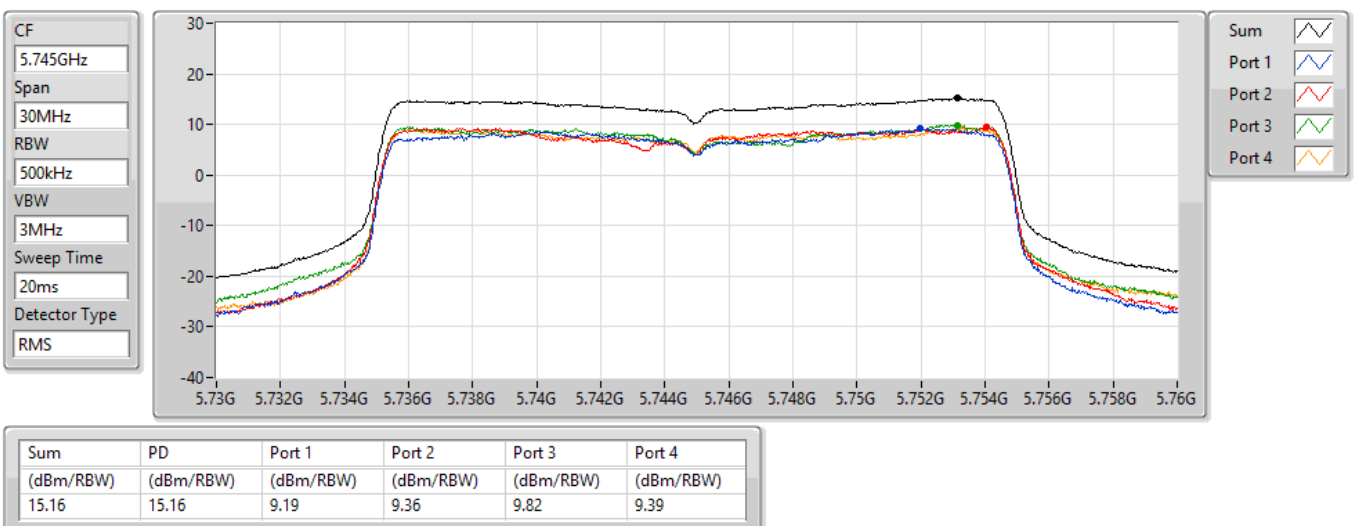


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5745MHz

PSD

27/10/2021

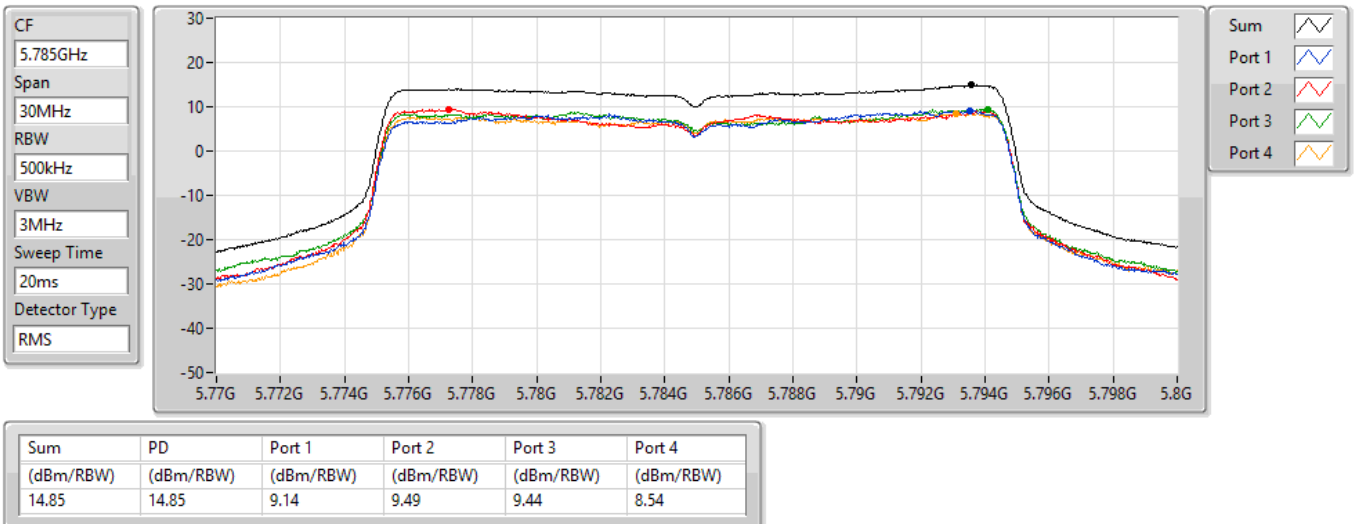


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

27/10/2021

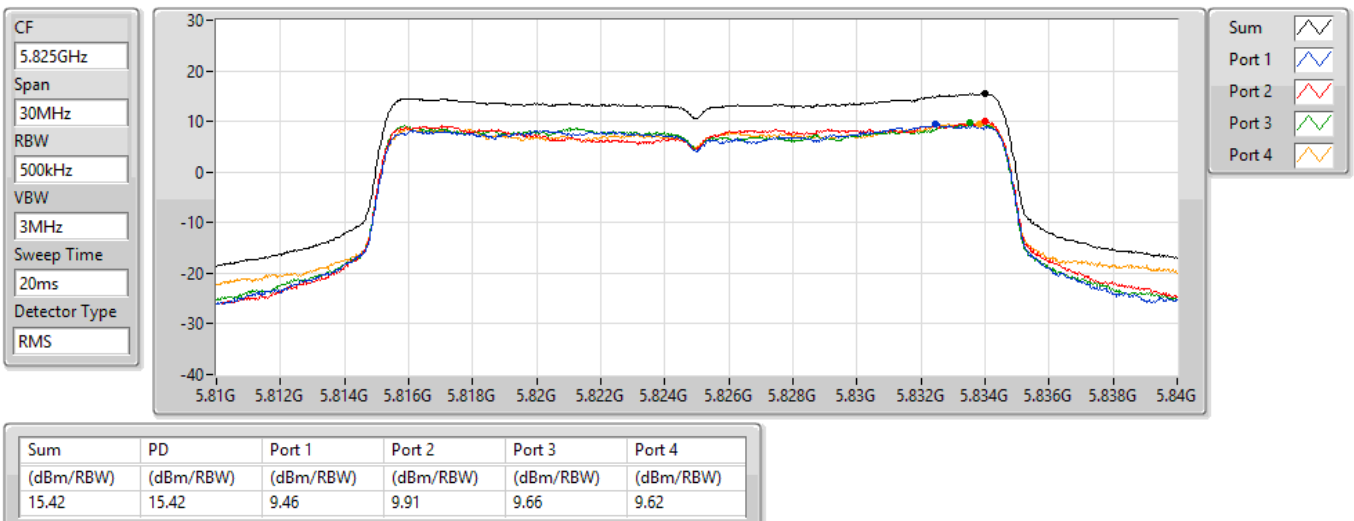


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

27/10/2021

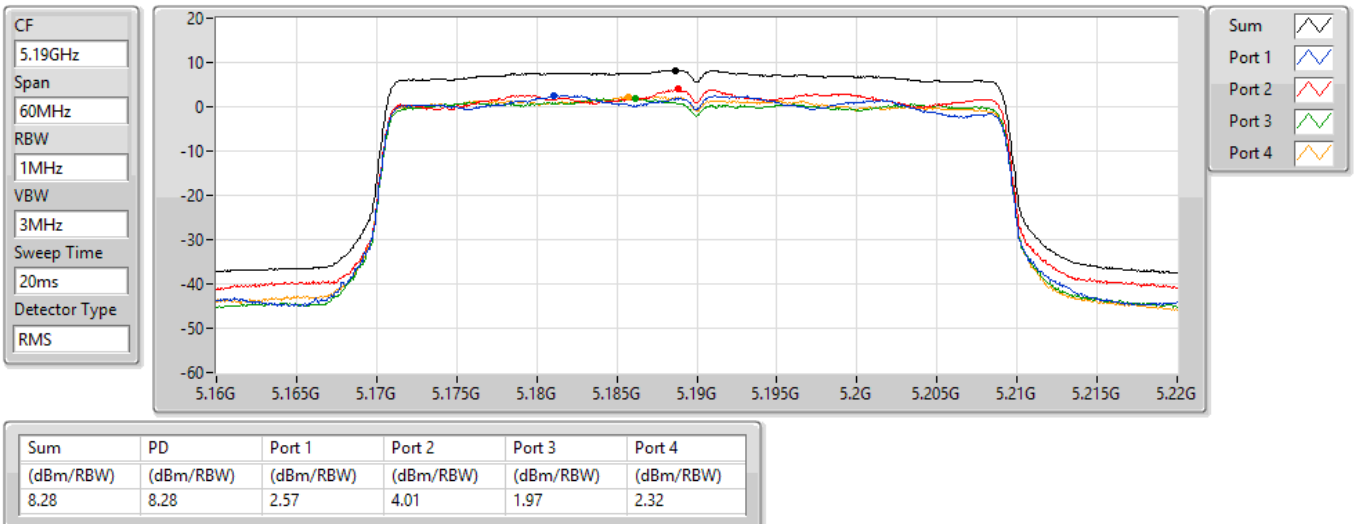


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

27/10/2021

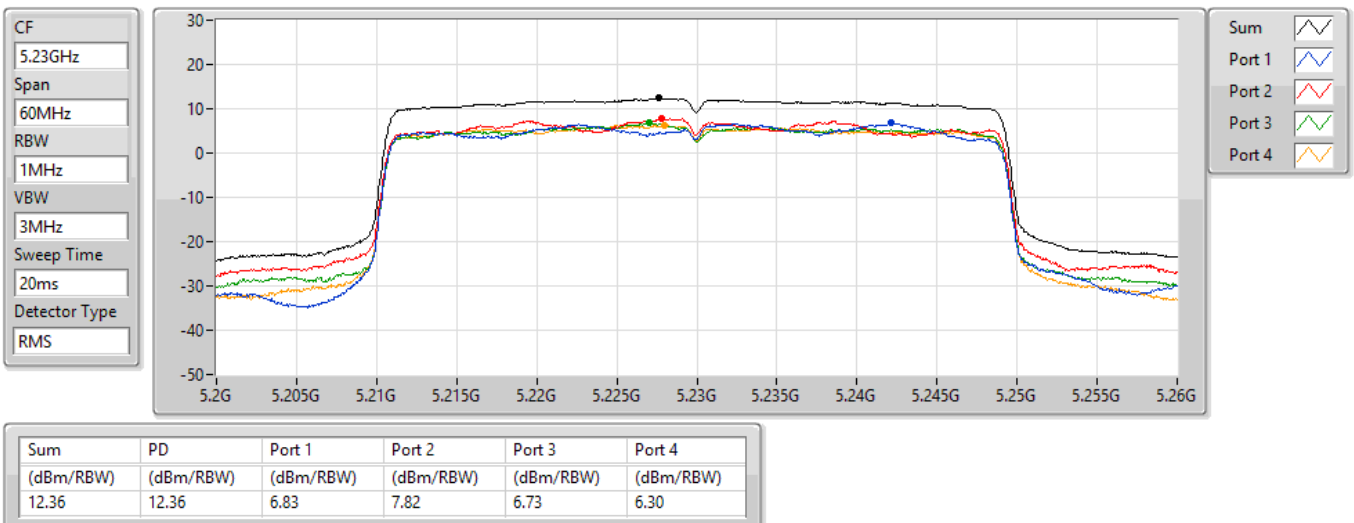


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

27/10/2021

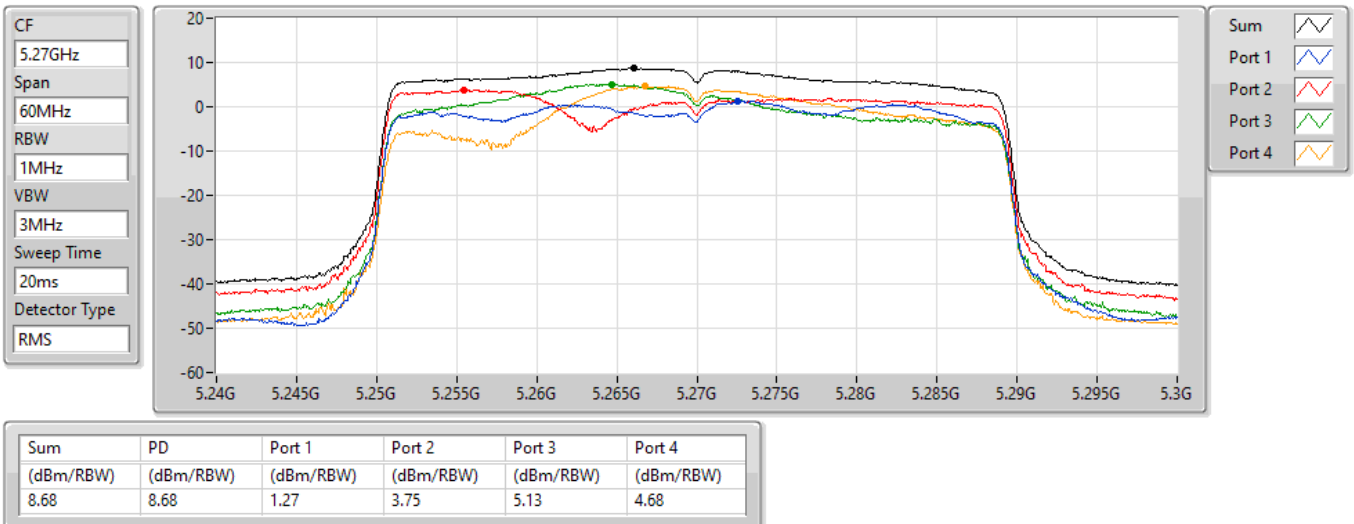


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

03/11/2021

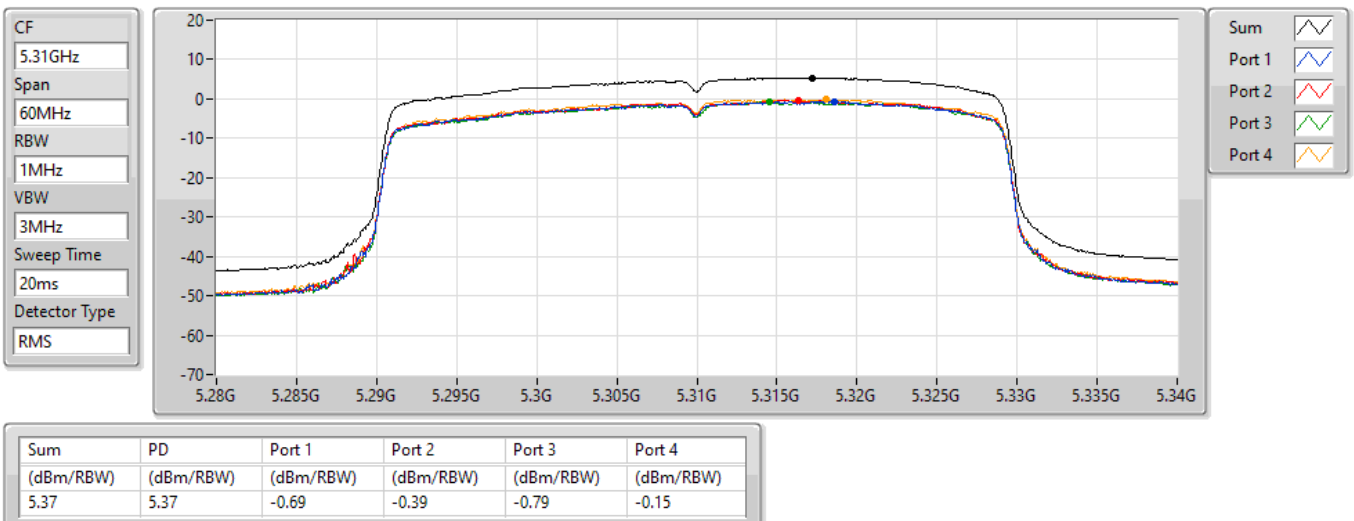


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

03/11/2021

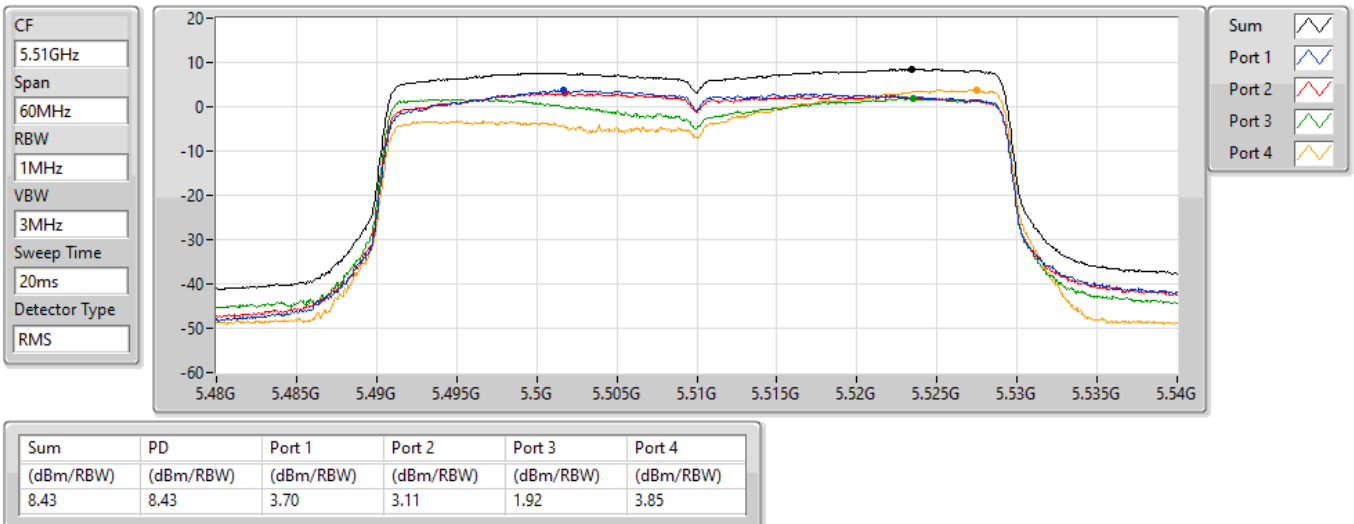


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

03/11/2021

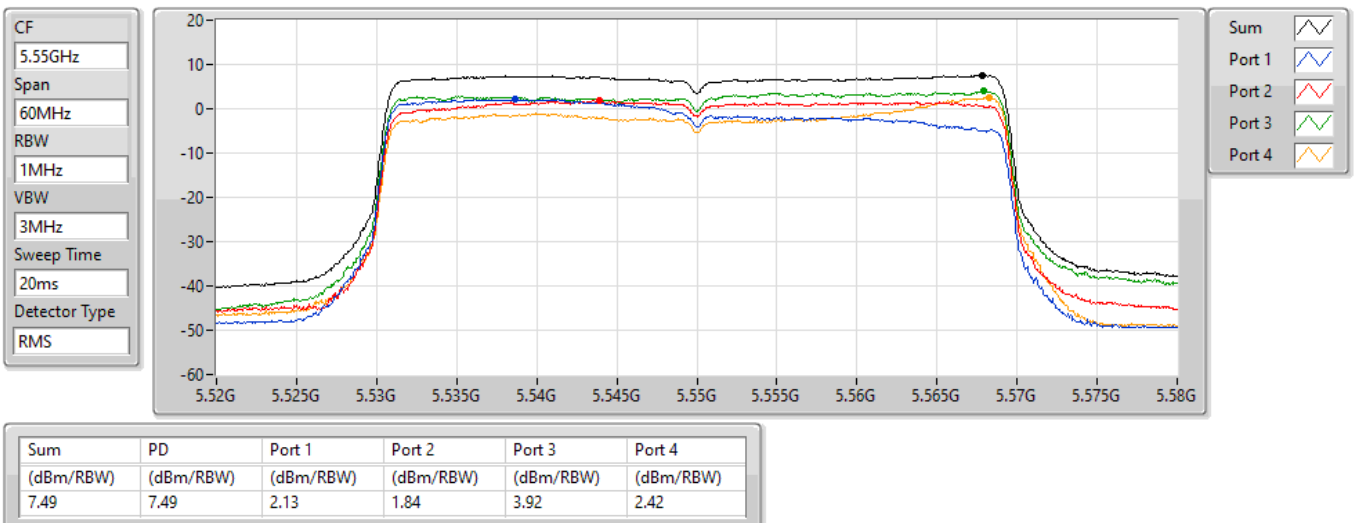


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

03/11/2021

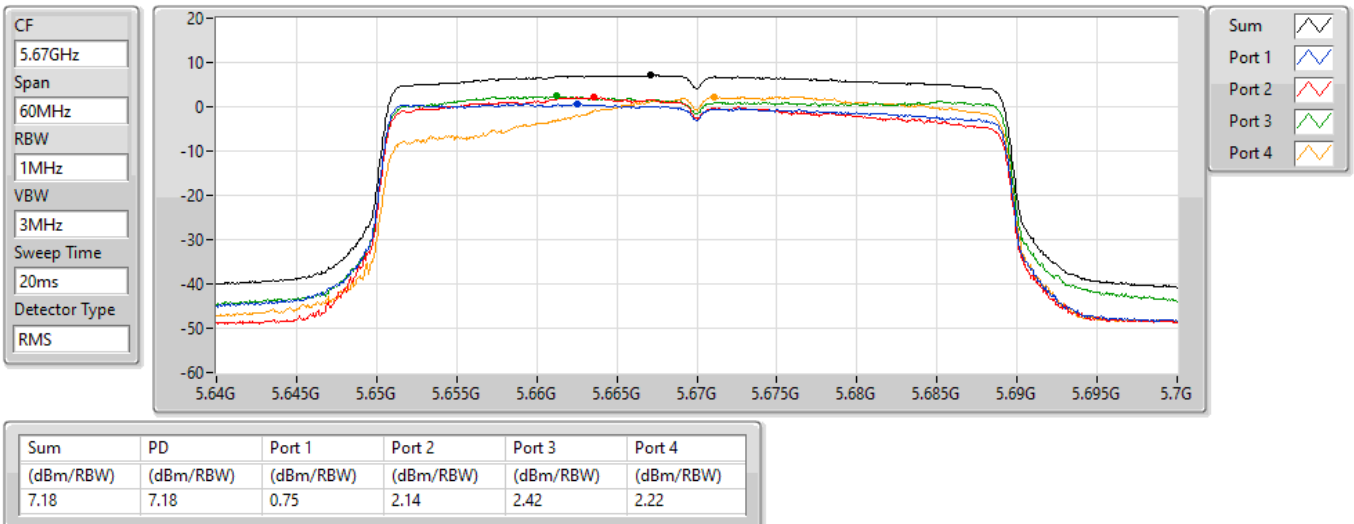


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

03/11/2021

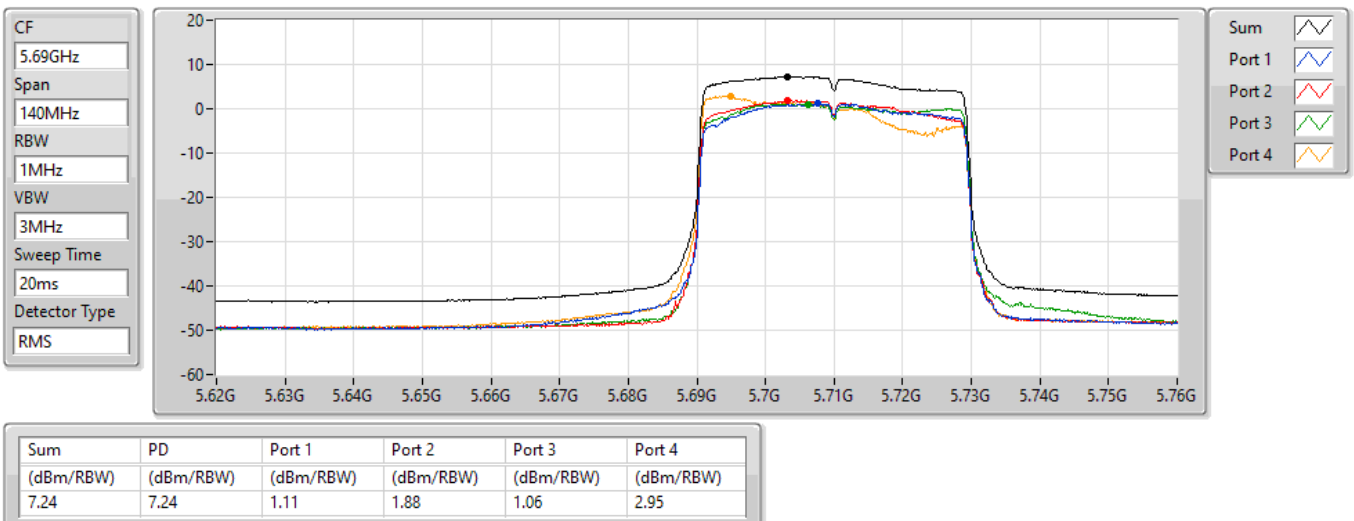


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

03/11/2021

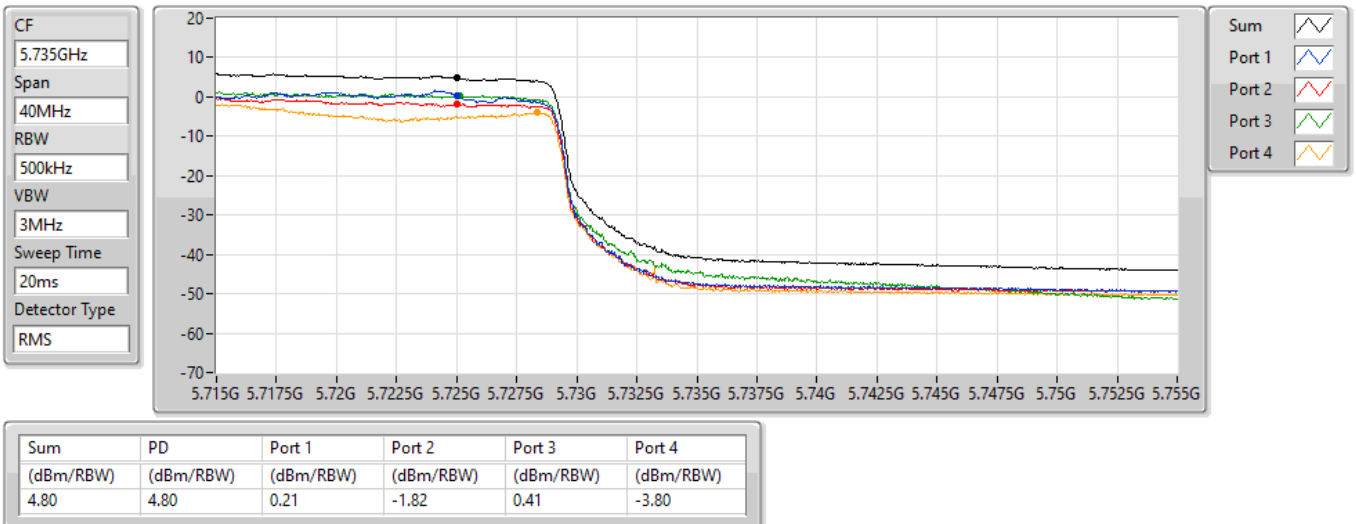


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5710MHz Straddle 5.725-5.85GHz

PSD

03/11/2021

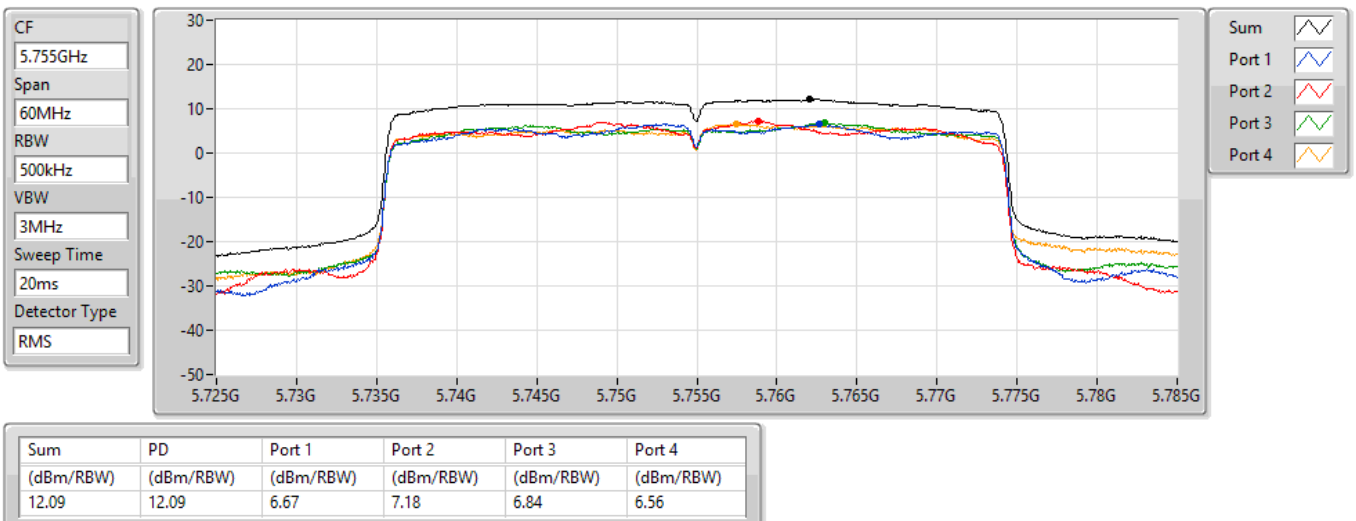


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5755MHz

PSD

27/10/2021

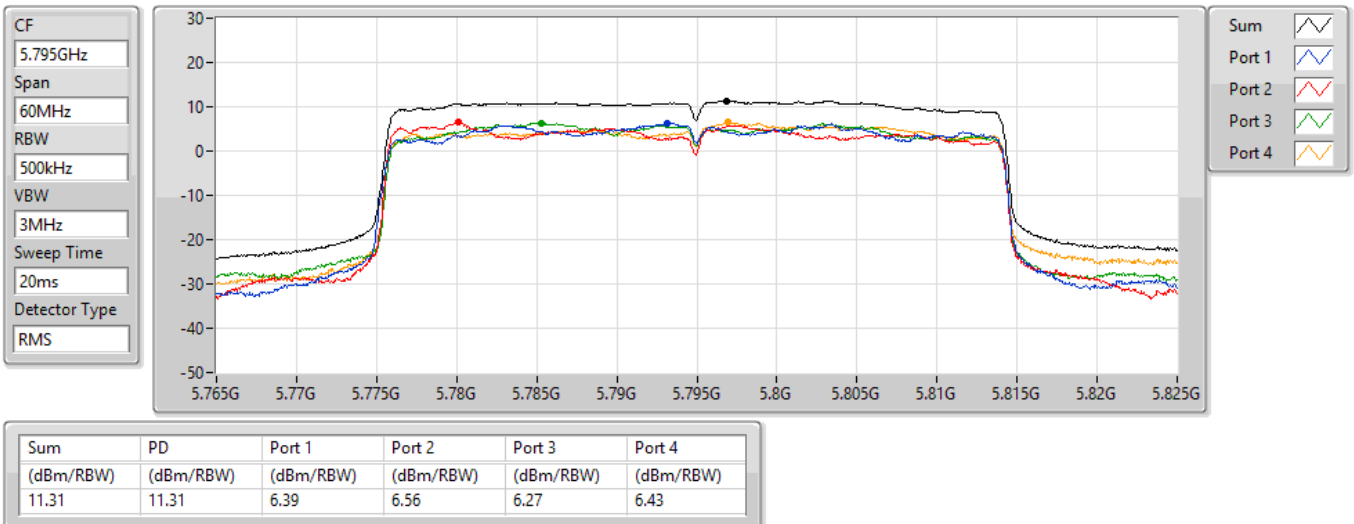


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

27/10/2021

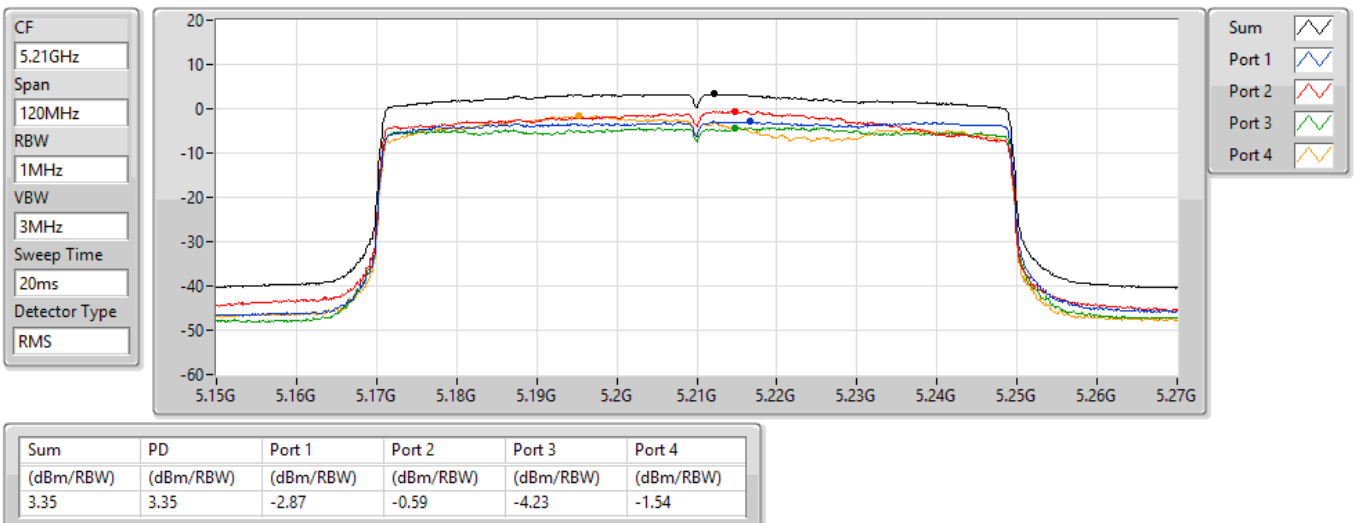


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

27/10/2021

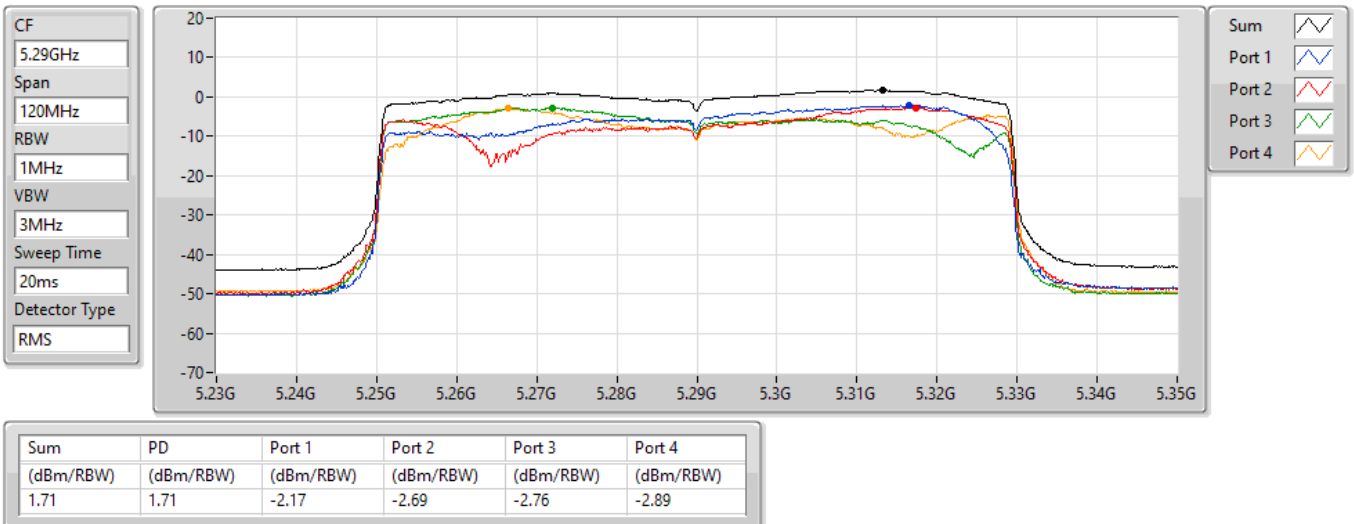


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

03/11/2021

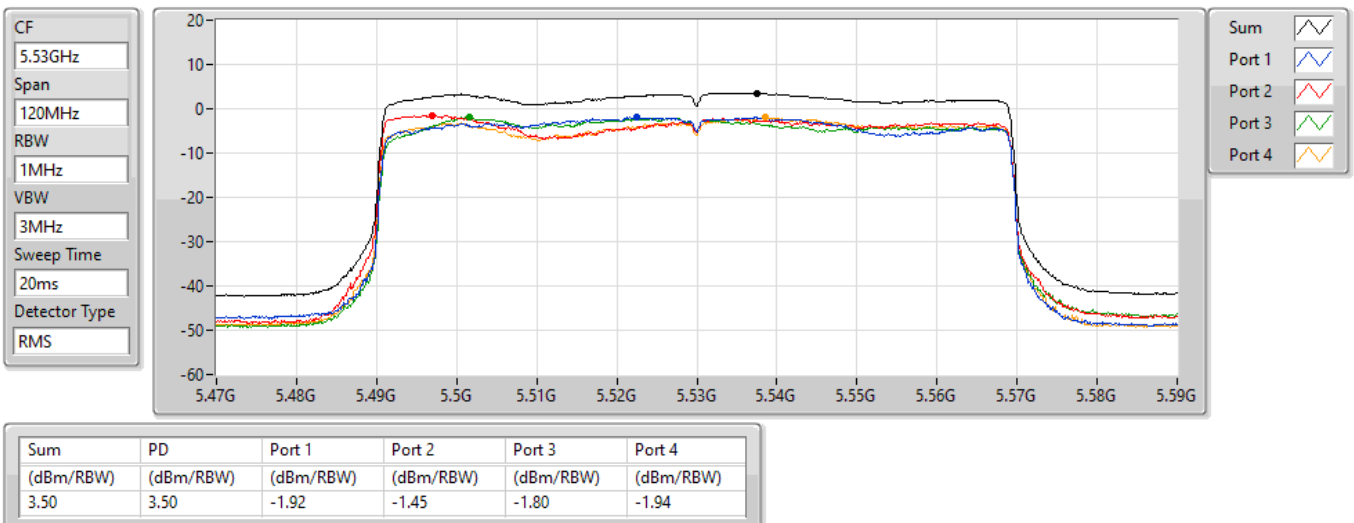


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

03/11/2021

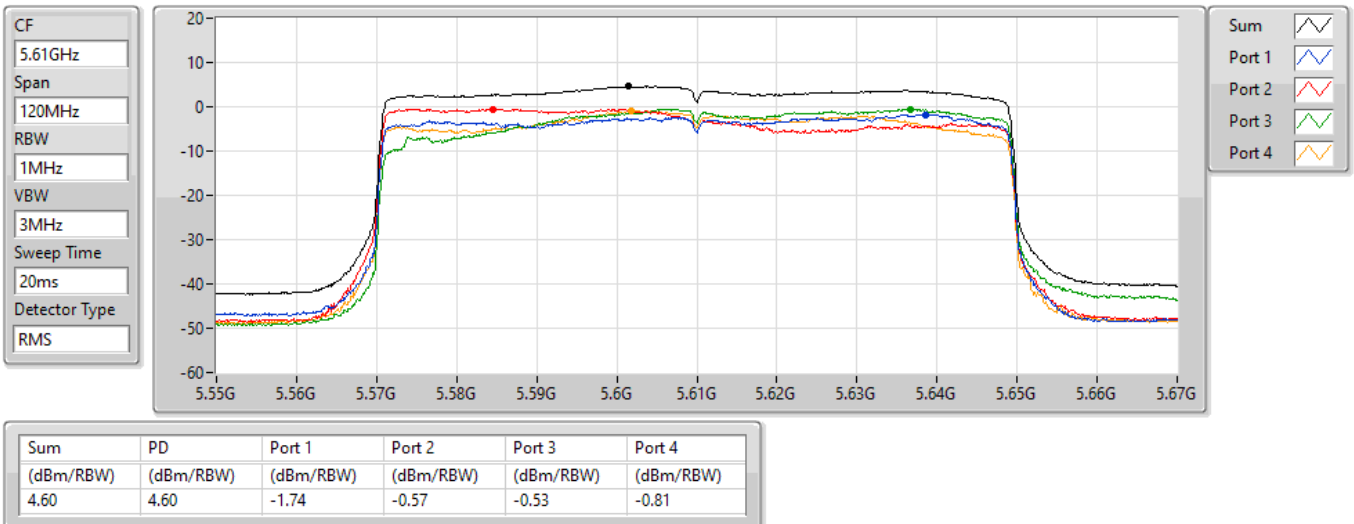


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

03/11/2021

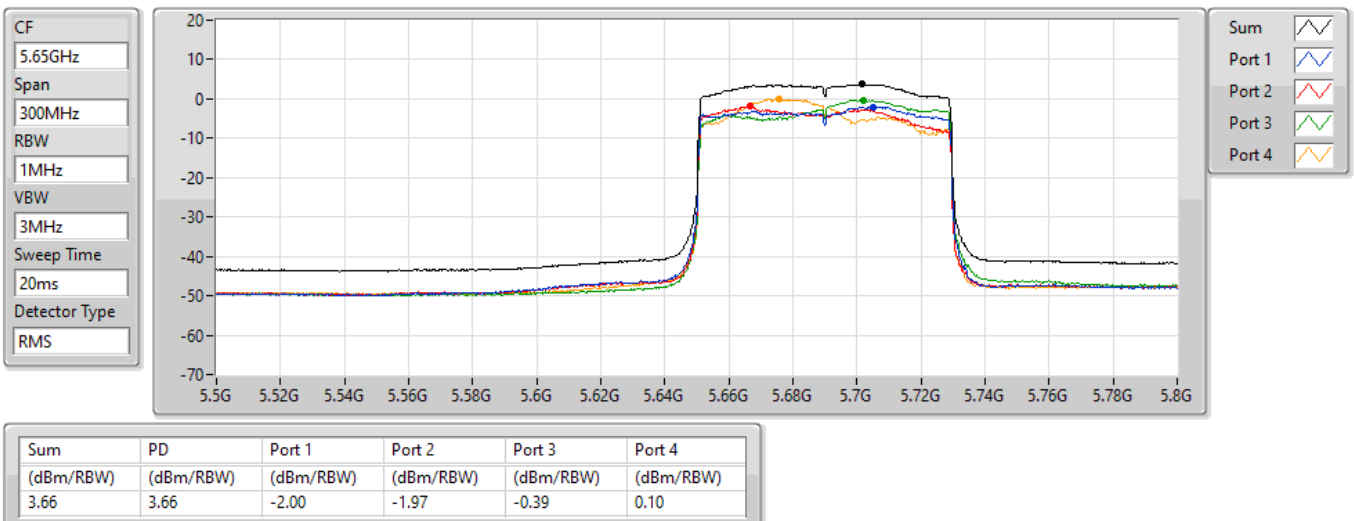


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

03/11/2021

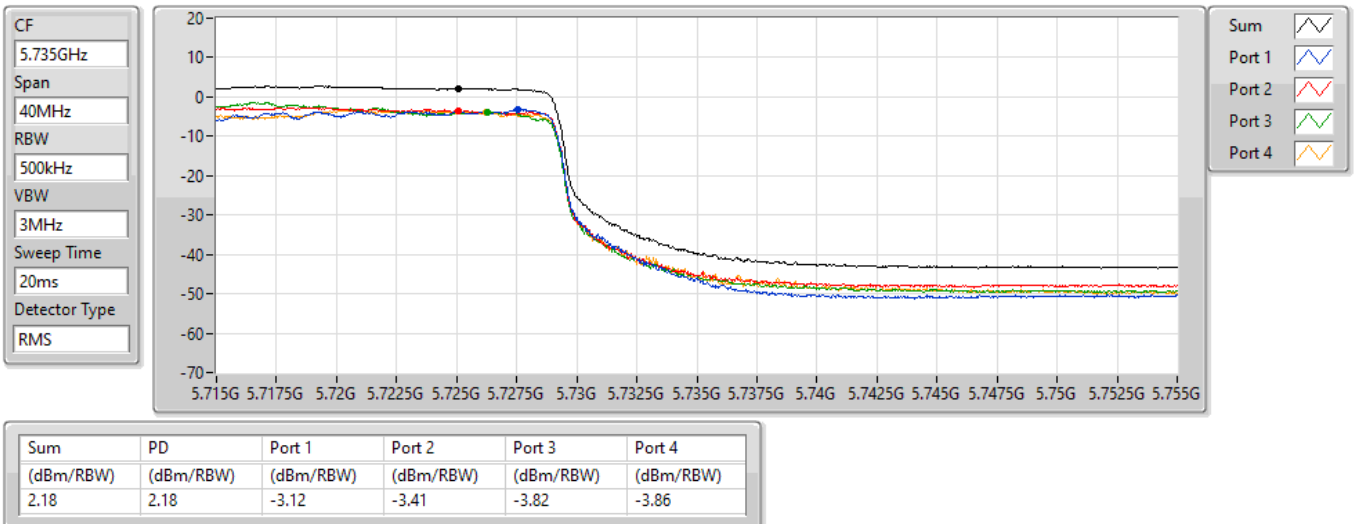


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5690MHz Straddle 5.725-5.85GHz

PSD

03/11/2021

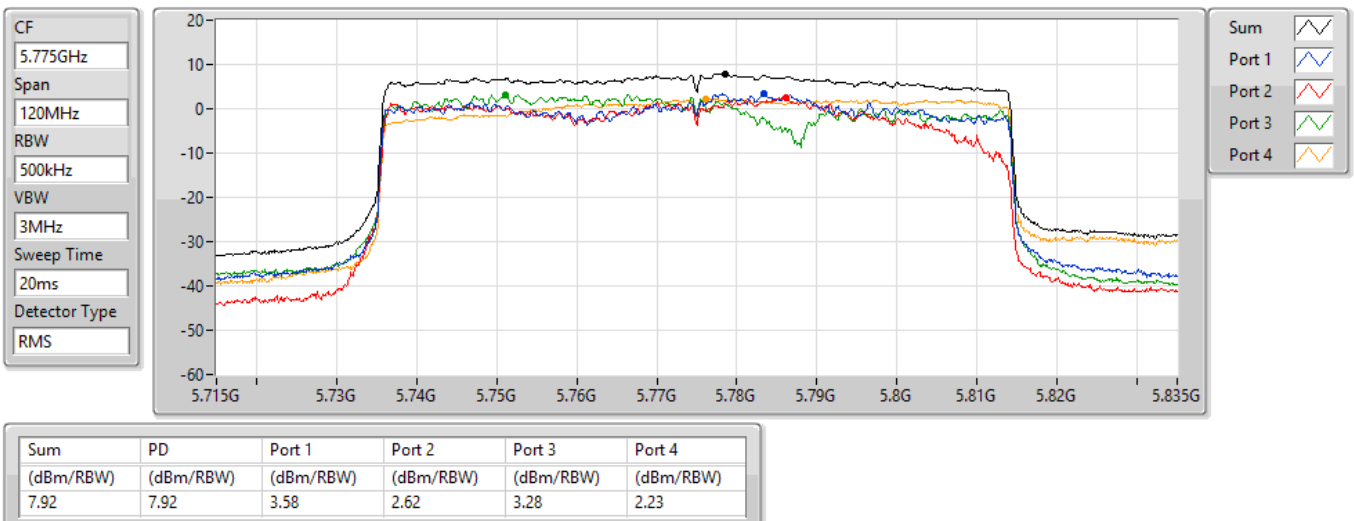


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5775MHz

PSD

27/10/2021

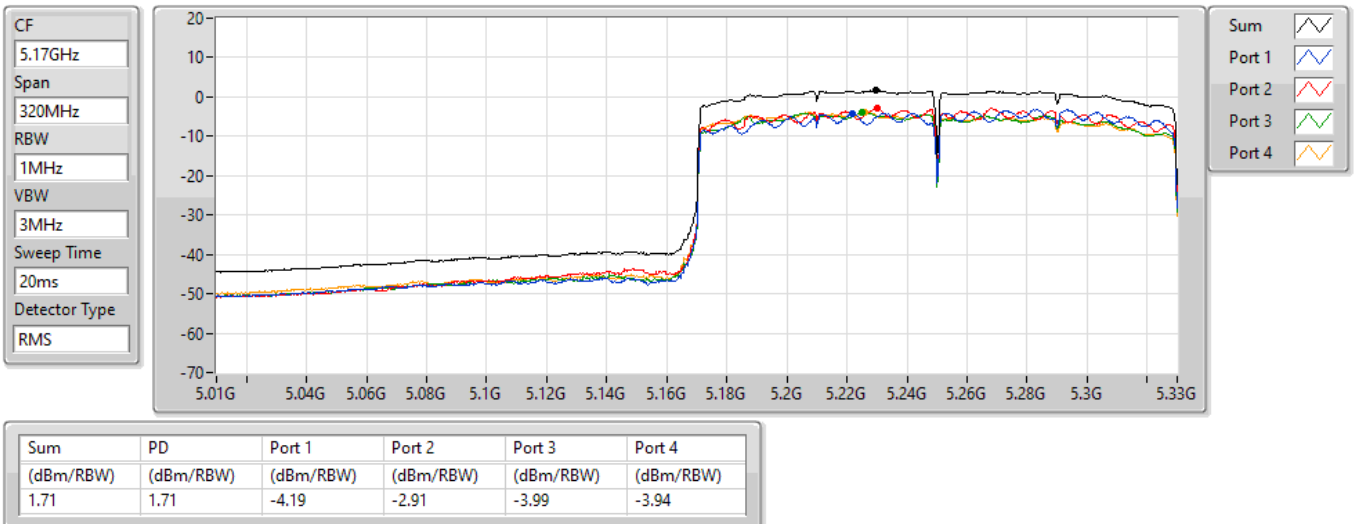


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5250MHz Straddle 5.15-5.25GHz

PSD

03/11/2021

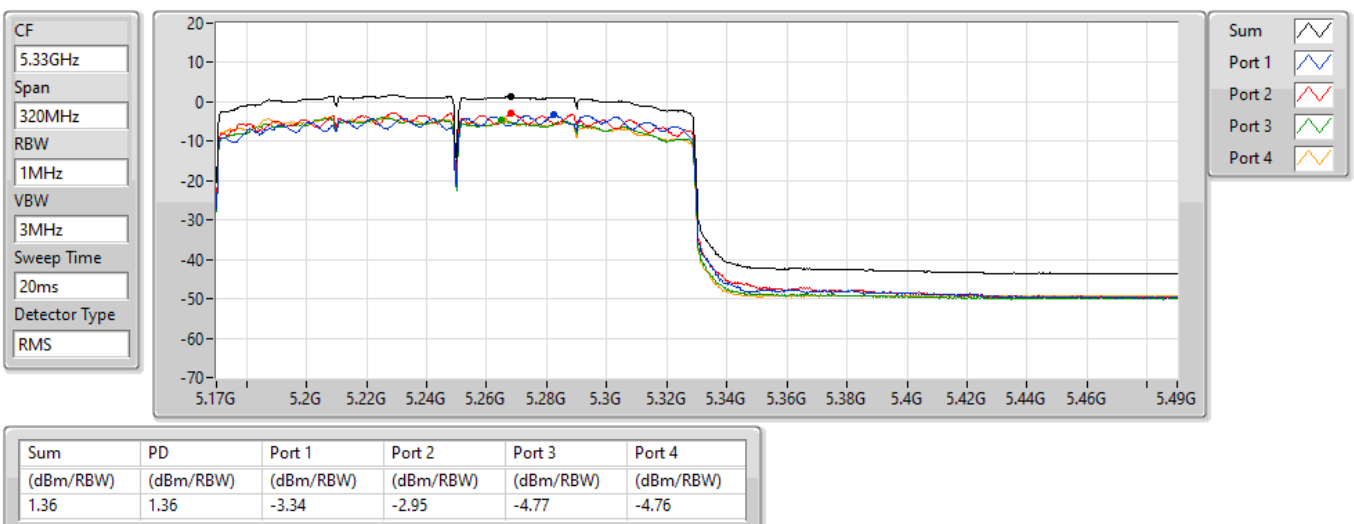


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5250MHz Straddle 5.25-5.35GHz

PSD

03/11/2021

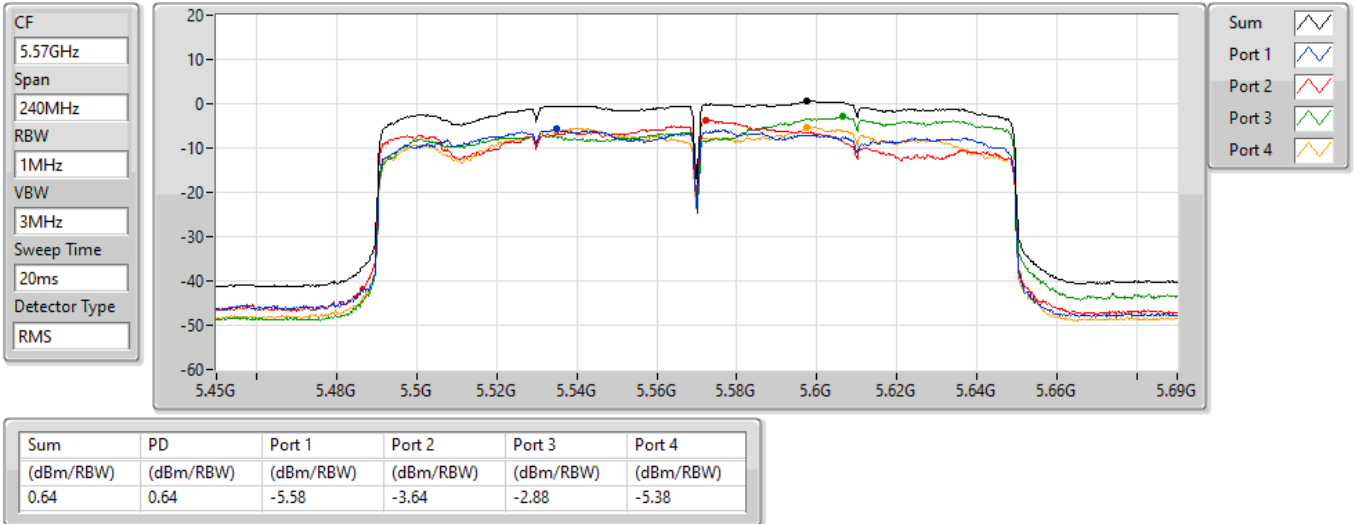


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5570MHz

PSD

03/11/2021





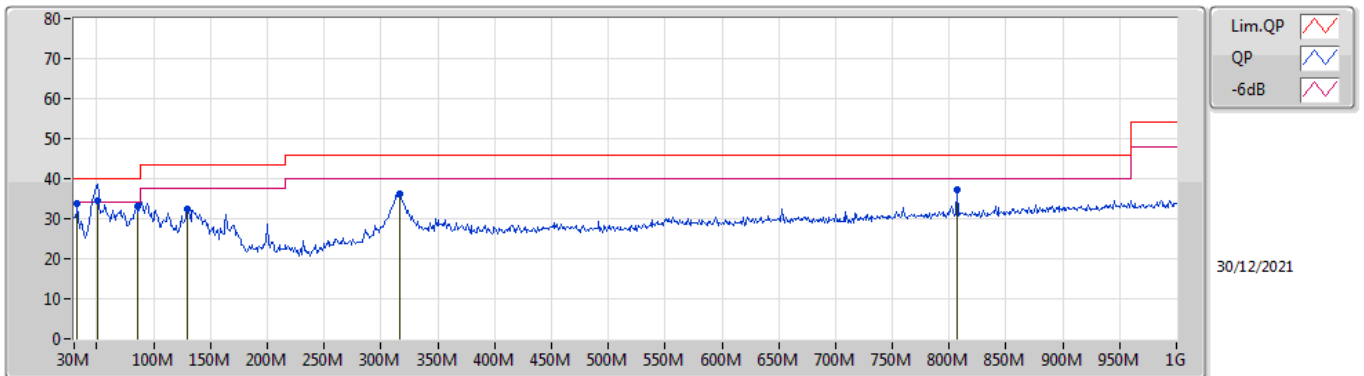
Radiated Emissions below 1GHz

Appendix E.1

Summary

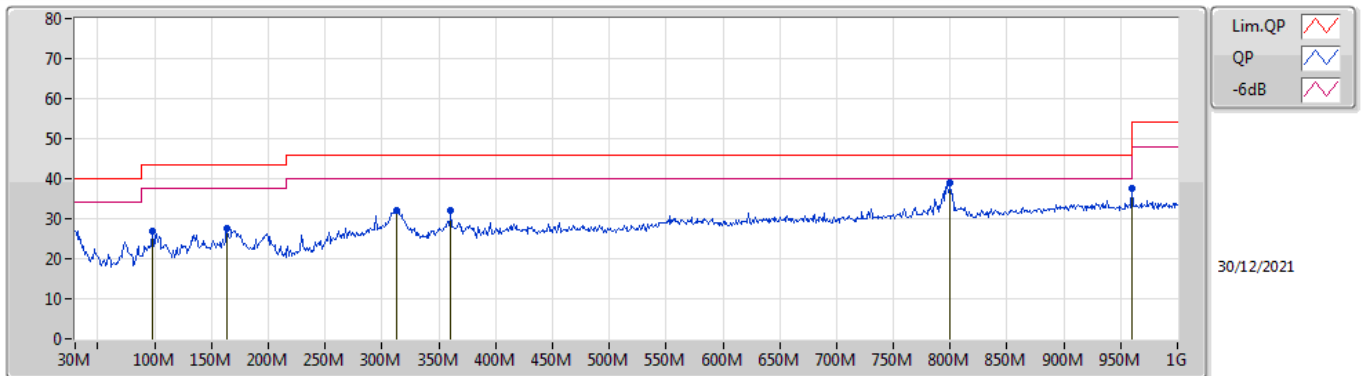
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	50.37M	34.40	40.00	-5.60	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	32.91M	33.92	40.00	-6.08	-8.12	3	Vertical	83	1.00	-	42.04	22.57	0.86	31.55
QP	50.37M	34.40	40.00	-5.60	-16.83	3	Vertical	325	1.00	"Worst"	51.23	13.83	1.10	31.76
PK	85.29M	33.04	40.00	-6.96	-16.95	3	Vertical	174	1.50	-	49.99	13.56	1.41	31.92
PK	129.91M	32.37	43.50	-11.13	-12.50	3	Vertical	142	1.00	-	44.87	17.75	1.70	31.95
PK	316.15M	36.11	46.00	-9.89	-9.87	3	Vertical	193	1.50	-	45.98	19.42	2.80	32.09
PK	806.97M	37.35	46.00	-8.65	-2.18	3	Vertical	45	1.50	-	39.53	25.57	4.93	32.68

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	97.9M	26.75	43.50	-16.75	-14.20	3	Horizontal	139	3.00	-	40.95	16.22	1.46	31.88
PK	163.86M	27.48	43.50	-16.02	-14.37	3	Horizontal	122	2.00	-	41.85	15.57	2.02	31.96
PK	313.24M	32.10	46.00	-13.90	-9.94	3	Horizontal	272	1.00	-	42.04	19.37	2.78	32.09
PK	360.77M	31.90	46.00	-14.10	-8.44	3	Horizontal	75	1.00	-	40.34	20.65	3.04	32.13
PK	800.18M	38.93	46.00	-7.07	-2.22	3	Horizontal	85	1.25	"Worst"	41.15	25.57	4.90	32.69
PK	960M	37.57	54.00	-16.43	-0.39	3	Horizontal	237	1.00	-	37.96	26.58	5.60	32.57

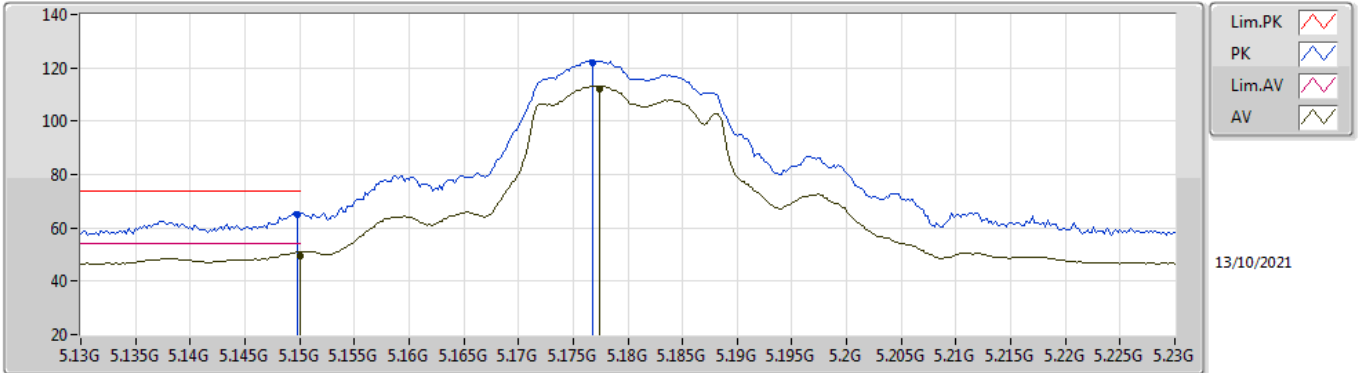


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	Pass	AV	5.1476G	53.99	54.00	-0.01	3	Vertical	250	1.77	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

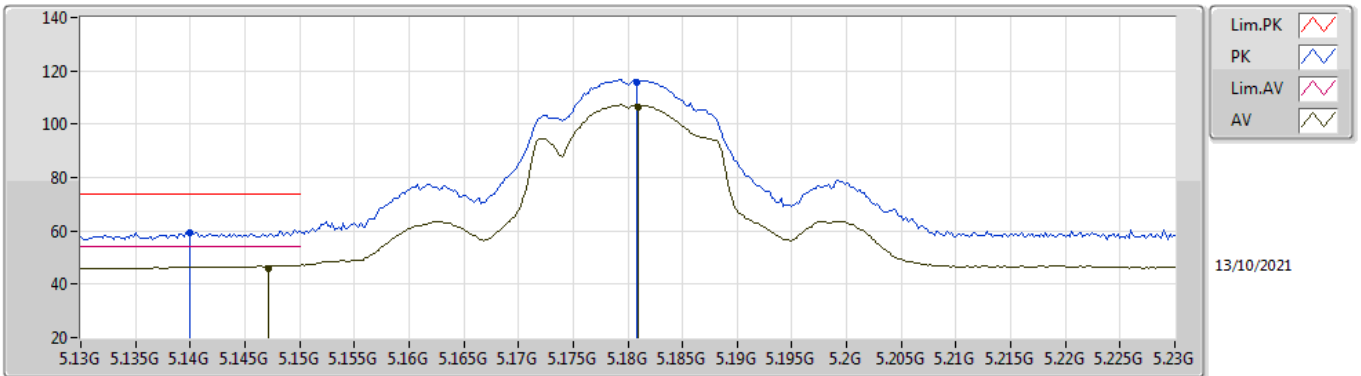


EUT Y_4TX
Setting 21
01-A-B-4-10
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1498G	64.96	74.00	-9.04	58.93	3	Vertical	198	2.90	-	32.60	6.37	32.94
AV	5.15G	49.74	54.00	-4.26	43.71	3	Vertical	198	2.90	-	32.60	6.37	32.94
PK	5.1768G	121.69	Inf	-Inf	115.59	3	Vertical	198	2.90	-	32.65	6.39	32.94
AV	5.1774G	112.01	Inf	-Inf	105.91	3	Vertical	198	2.90	-	32.65	6.39	32.94

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

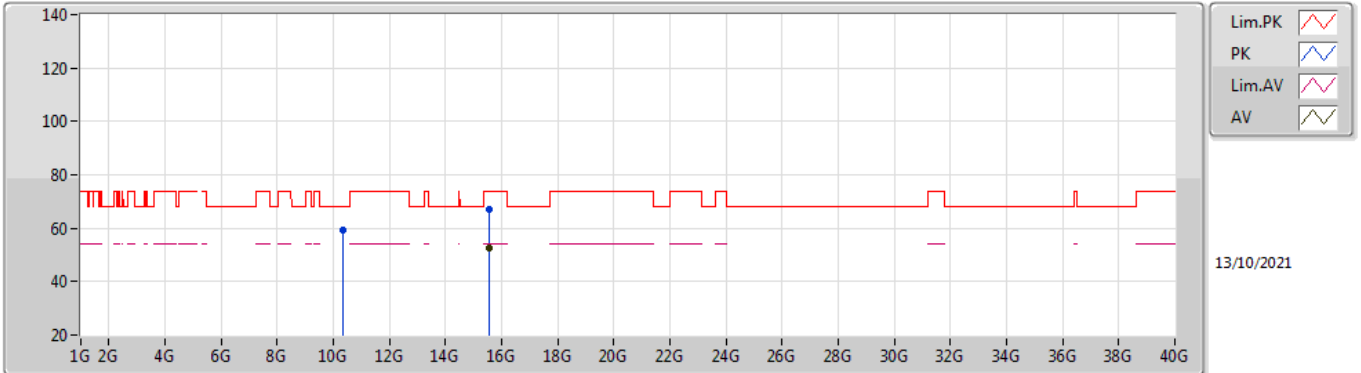


EUT Y_4TX
Setting 21
01-A-B-4-10
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.14G	59.09	74.00	-14.91	53.06	3	Horizontal	0	1.91	-	32.60	6.37	32.94	
AV	5.1472G	45.83	54.00	-8.17	39.80	3	Horizontal	0	1.91	-	32.60	6.37	32.94	
PK	5.1808G	115.44	Inf	-Inf	109.33	3	Horizontal	0	1.91	-	32.66	6.39	32.94	
AV	5.181G	106.13	Inf	-Inf	100.02	3	Horizontal	0	1.91	-	32.66	6.39	32.94	

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

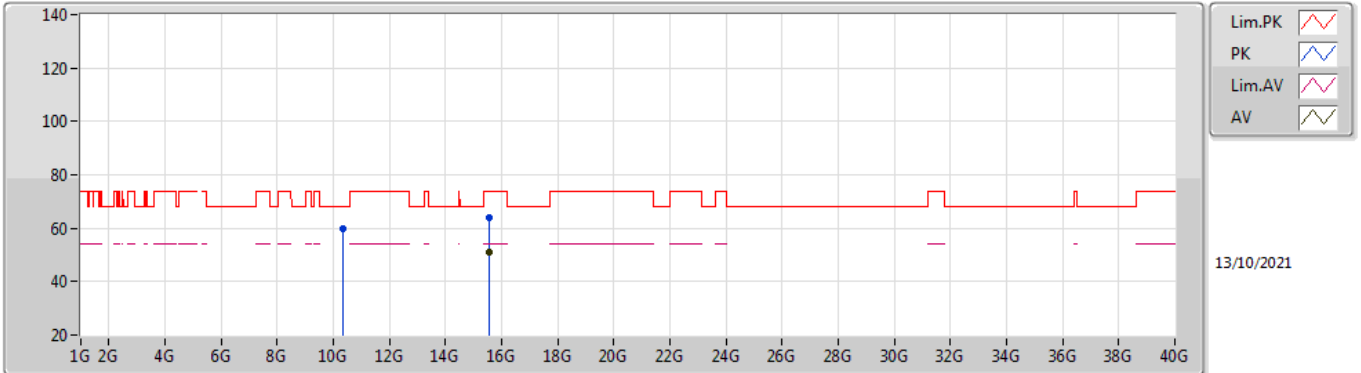


EUT Y_4TX
Setting 21
01-A-B-4
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.36224G	59.29	68.20	-8.91	45.66	3	Vertical	270	1.78	-	38.16	8.59	33.12
PK	15.5432G	67.14	74.00	-6.86	51.40	3	Vertical	275	1.80	-	38.19	10.36	32.81
AV	15.54416G	52.66	54.00	-1.34	36.92	3	Vertical	275	1.80	-	38.19	10.36	32.81

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

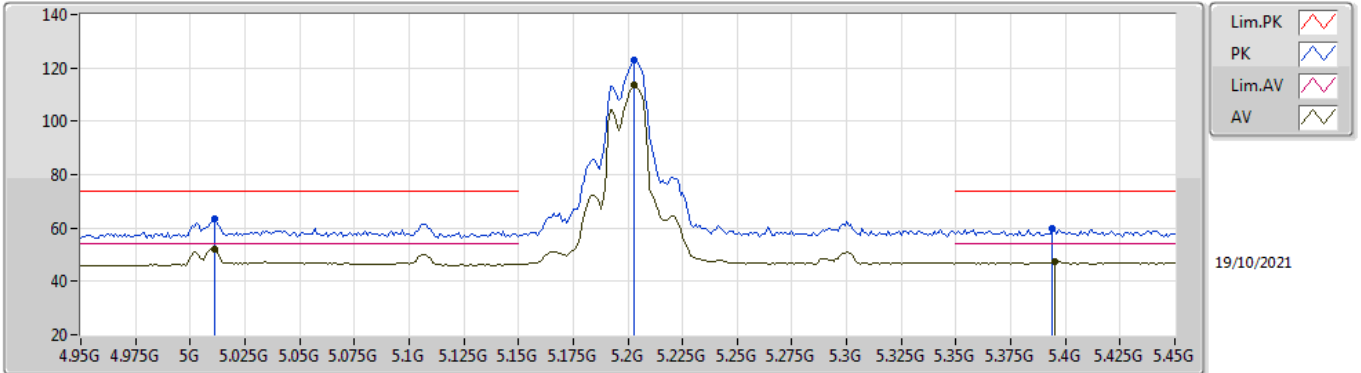


EUT Y_4TX
Setting 21
01-A-B-4
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.36608G	60.03	68.20	-8.17	46.39	3	Horizontal	8	1.66	-	38.17	8.59	33.12
PK	15.5392G	64.21	74.00	-9.79	48.48	3	Horizontal	292	1.80	-	38.18	10.36	32.81
AV	15.53936G	51.16	54.00	-2.84	35.43	3	Horizontal	292	1.80	-	38.18	10.36	32.81

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

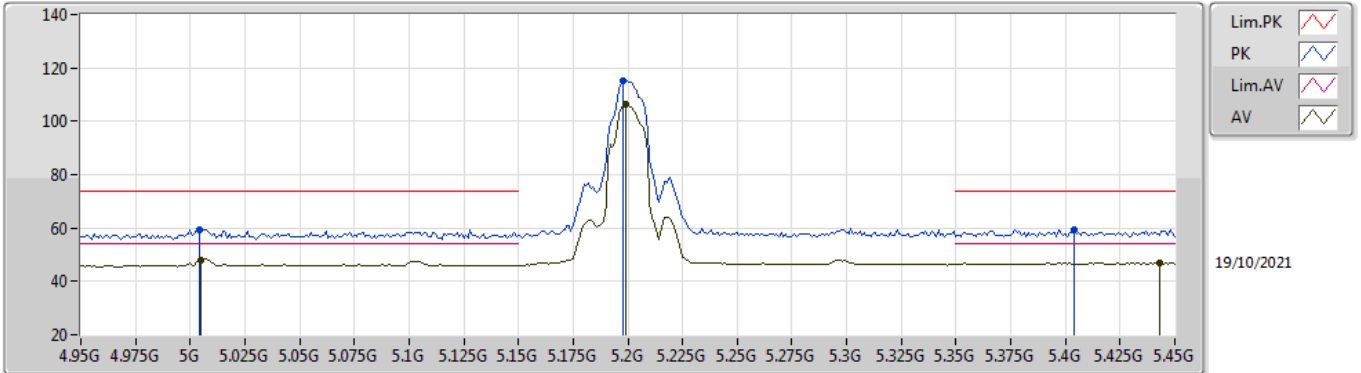


EUT V_4TX
Setting 21
01-D-B-4-10
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.011G	63.40	74.00	-10.60	57.37	3	Vertical	112	2.08	-	32.68	6.31	32.96
AV	5.011G	52.09	54.00	-1.91	46.06	3	Vertical	112	2.08	-	32.68	6.31	32.96
PK	5.203G	122.81	Inf	-Inf	116.64	3	Vertical	112	2.08	-	32.71	6.40	32.94
AV	5.203G	113.41	Inf	-Inf	107.24	3	Vertical	112	2.08	-	32.71	6.40	32.94
PK	5.394G	59.90	74.00	-14.10	53.25	3	Vertical	112	2.08	-	33.16	6.40	32.91
AV	5.395G	47.50	54.00	-6.50	40.84	3	Vertical	112	2.08	-	33.17	6.40	32.91

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

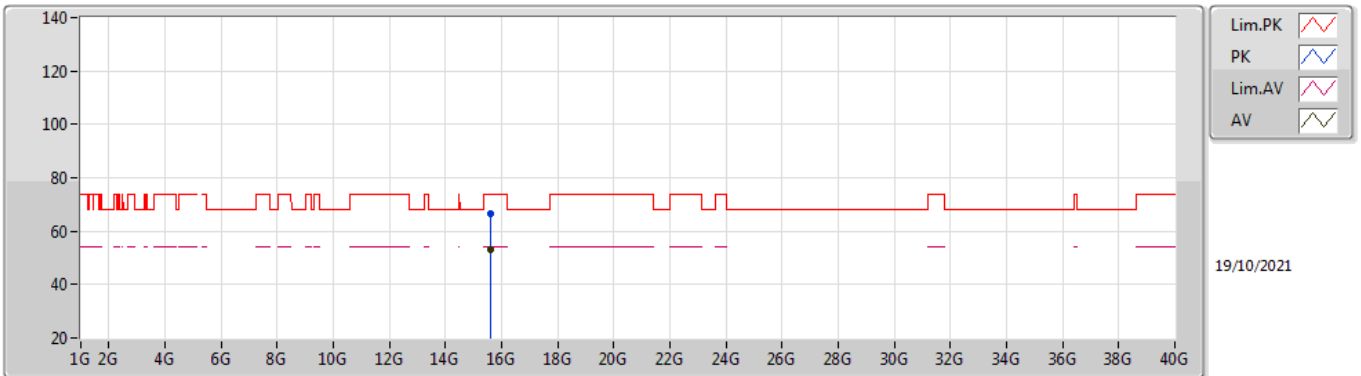


EUT V_4TX
Setting 21
01-D-B-4-10
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.004G	59.53	74.00	-14.47	53.50	3	Horizontal	360	1.72	-	32.69	6.30	32.96
AV	5.005G	48.05	54.00	-5.95	42.02	3	Horizontal	360	1.72	-	32.69	6.30	32.96
PK	5.198G	115.42	Inf	-Inf	109.26	3	Horizontal	360	1.72	-	32.70	6.40	32.94
AV	5.199G	106.25	Inf	-Inf	100.09	3	Horizontal	360	1.72	-	32.70	6.40	32.94
PK	5.404G	59.40	74.00	-14.60	52.69	3	Horizontal	360	1.72	-	33.22	6.40	32.91
AV	5.443G	47.01	54.00	-6.99	40.11	3	Horizontal	360	1.72	-	33.37	6.44	32.91

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

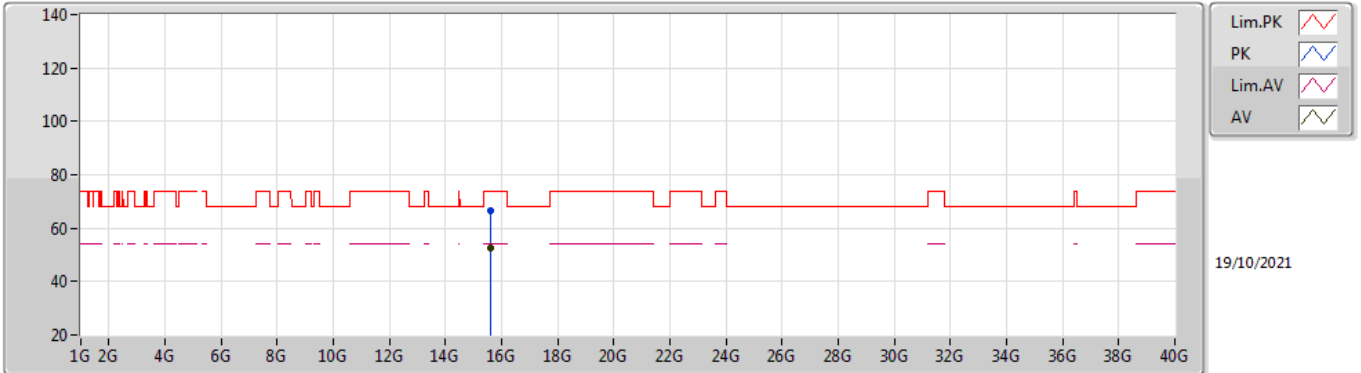


EUT Y_4TX
Setting 21
01-D-B-4
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.606G	66.54	74.00	-7.46	50.65	3	Vertical	279	1.89	-	38.31	10.38	32.80
AV	15.60432G	53.13	54.00	-0.87	37.25	3	Vertical	279	1.89	-	38.30	10.38	32.80

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

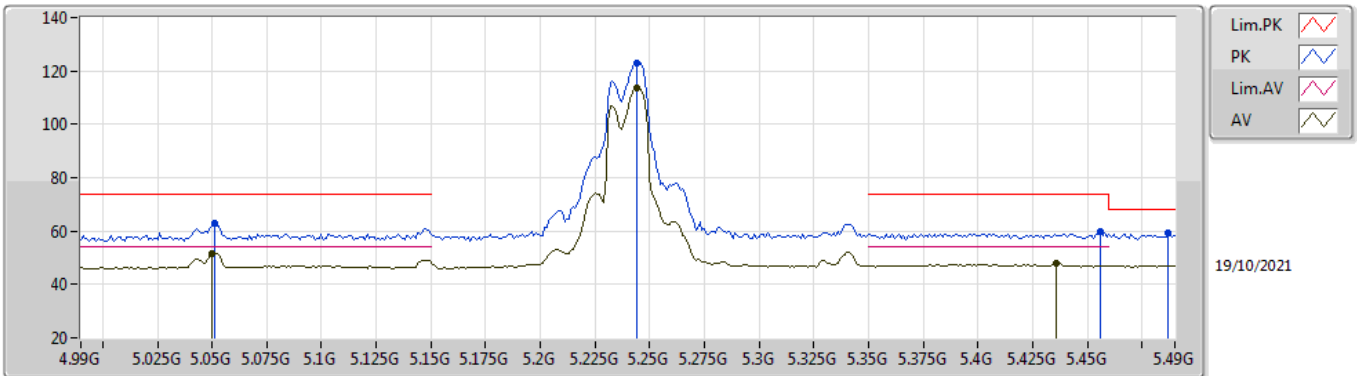


EUT Y_4TX
Setting 21
01-D-B-4
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.59424G	66.34	74.00	-7.66	50.47	3	Horizontal	302	1.80	-	38.29	10.38	32.80
AV	15.59982G	52.47	54.00	-1.53	36.59	3	Horizontal	302	1.80	-	38.30	10.38	32.80

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

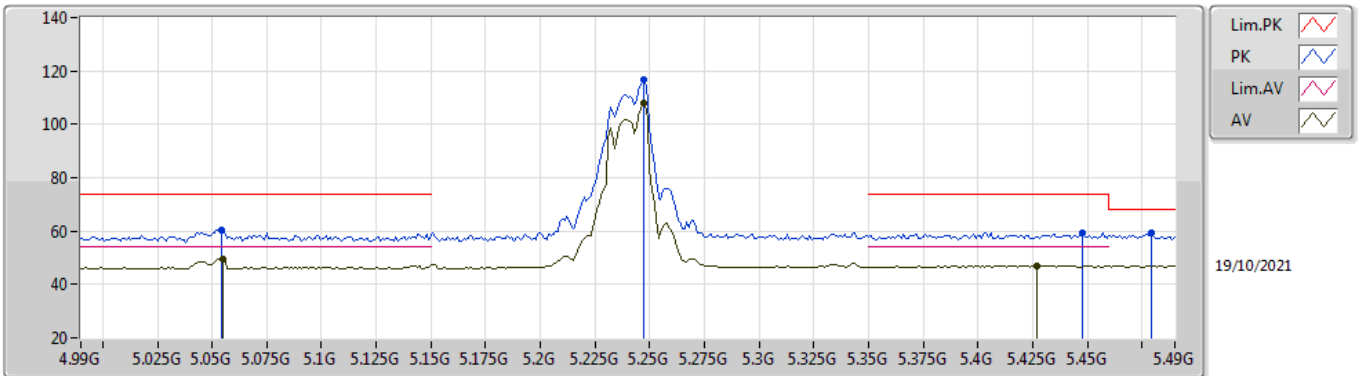


EUT V_4TX
Setting 21
01-D-B-4-10
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.051G	62.80	74.00	-11.20	56.82	3	Vertical	108	2.04	-	32.60	6.33	32.95
AV	5.05G	51.73	54.00	-2.27	45.75	3	Vertical	108	2.04	-	32.60	6.33	32.95
PK	5.244G	123.09	Inf	-Inf	116.83	3	Vertical	108	2.04	-	32.79	6.40	32.93
AV	5.244G	113.77	Inf	-Inf	107.51	3	Vertical	108	2.04	-	32.79	6.40	32.93
PK	5.456G	59.71	74.00	-14.29	52.75	3	Vertical	108	2.04	-	33.41	6.46	32.91
AV	5.436G	47.97	54.00	-6.03	41.10	3	Vertical	108	2.04	-	33.34	6.44	32.91
PK	5.487G	59.15	68.20	-9.05	52.09	3	Vertical	108	2.04	-	33.47	6.49	32.90

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

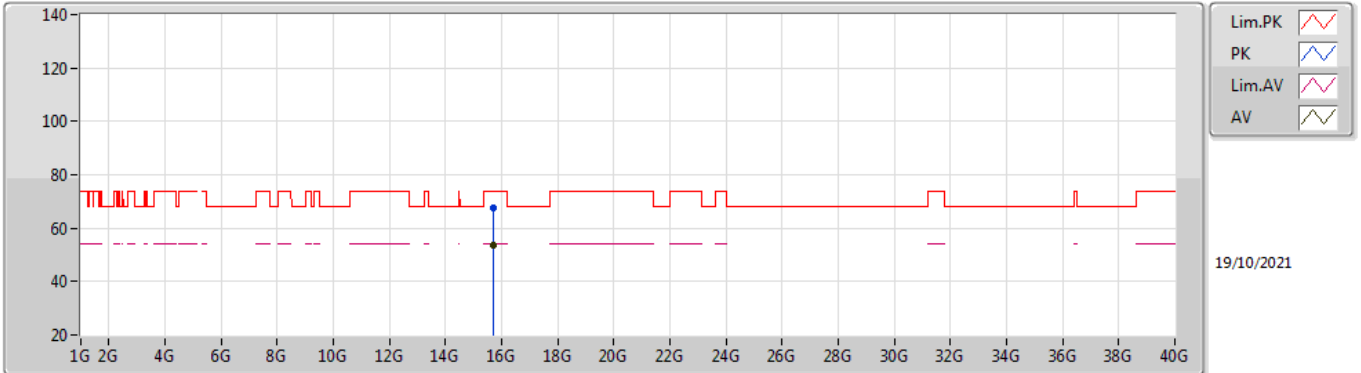


EUT V_4TX
Setting 21
01-D-B-4-10
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.054G	60.15	74.00	-13.85	54.17	3	Horizontal	312	2.30	-	32.60	6.33	32.95
AV	5.055G	49.52	54.00	-4.48	43.54	3	Horizontal	312	2.30	-	32.60	6.33	32.95
PK	5.247G	116.63	Inf	-Inf	110.37	3	Horizontal	312	2.30	-	32.79	6.40	32.93
AV	5.247G	107.71	Inf	-Inf	101.45	3	Horizontal	312	2.30	-	32.79	6.40	32.93
PK	5.448G	59.53	74.00	-14.47	52.60	3	Horizontal	312	2.30	-	33.39	6.45	32.91
AV	5.427G	47.01	54.00	-6.99	40.18	3	Horizontal	312	2.30	-	33.31	6.43	32.91
PK	5.479G	59.06	68.20	-9.14	52.02	3	Horizontal	312	2.30	-	33.46	6.48	32.90

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

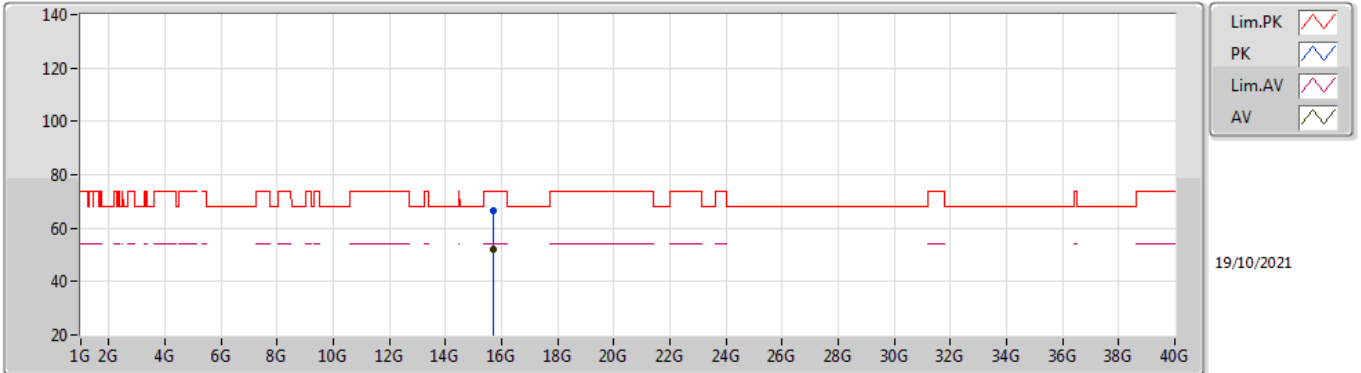


EUT_V_4TX
Setting 21
01-D-B-4
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.7216G	67.58	74.00	-6.42	51.54	3	Vertical	278	2.08	-	38.40	10.42	32.78
AV	15.72112G	53.42	54.00	-0.58	37.38	3	Vertical	278	2.08	-	38.40	10.42	32.78

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

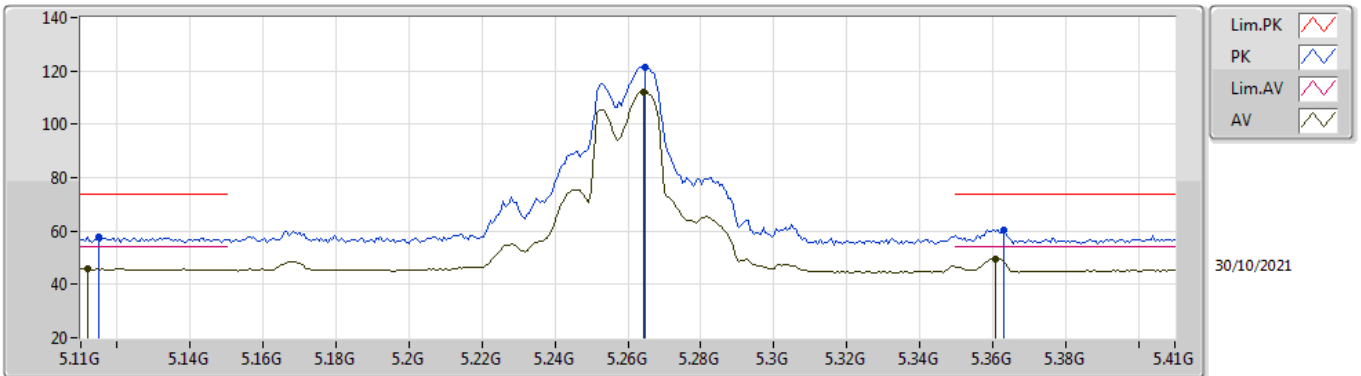


EUT_V_4TX
Setting 21
01-D-B-4
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.71776G	66.64	74.00	-7.36	50.61	3	Horizontal	113	1.80	-	38.40	10.42	32.79
AV	15.71824G	52.18	54.00	-1.82	36.15	3	Horizontal	113	1.80	-	38.40	10.42	32.79

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

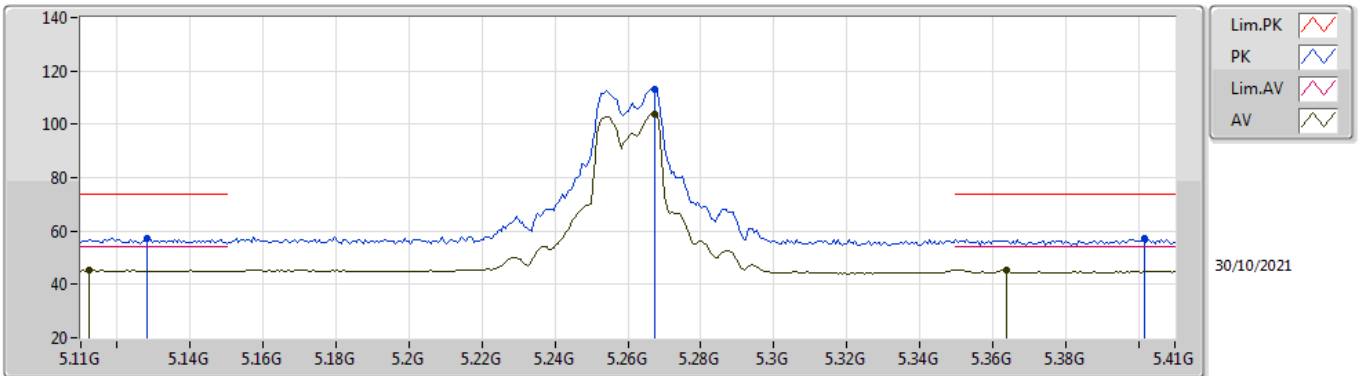


EUT_V_4TX
Setting 22
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1148G	57.70	74.00	-16.30	52.04	3	Vertical	106	2.10	-	31.91	5.71	31.96
AV	5.1118G	45.95	54.00	-8.05	40.27	3	Vertical	106	2.10	-	31.93	5.71	31.96
PK	5.2648G	121.48	Inf	-Inf	116.61	3	Vertical	106	2.10	-	31.10	5.80	32.03
AV	5.2642G	112.13	Inf	-Inf	107.26	3	Vertical	106	2.10	-	31.10	5.80	32.03
PK	5.3632G	60.49	74.00	-13.51	55.58	3	Vertical	106	2.10	-	31.18	5.80	32.07
AV	5.3608G	49.68	54.00	-4.32	44.79	3	Vertical	106	2.10	-	31.16	5.80	32.07

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

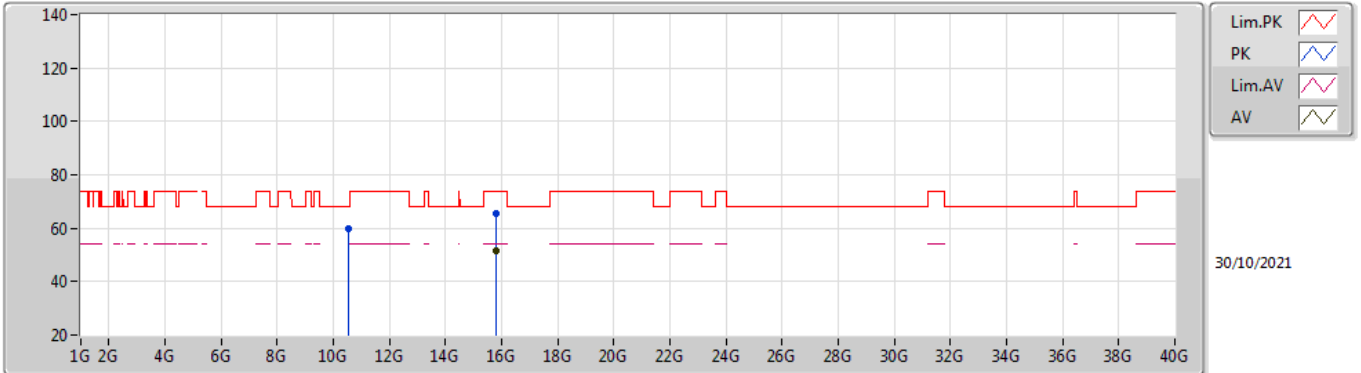


EUT_V_4TX
Setting 22
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.128G	57.24	74.00	-16.76	51.65	3	Horizontal	332.1	1.86	-	31.83	5.73	31.97
AV	5.1124G	45.30	54.00	-8.70	39.62	3	Horizontal	332.1	1.86	-	31.93	5.71	31.96
PK	5.2672G	113.36	Inf	-Inf	108.49	3	Horizontal	332.1	1.86	-	31.10	5.80	32.03
AV	5.2672G	103.90	Inf	-Inf	99.03	3	Horizontal	332.1	1.86	-	31.10	5.80	32.03
PK	5.4016G	57.50	74.00	-16.50	52.39	3	Horizontal	332.1	1.86	-	31.40	5.80	32.09
AV	5.3638G	45.50	54.00	-8.50	40.59	3	Horizontal	332.1	1.86	-	31.18	5.80	32.07

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

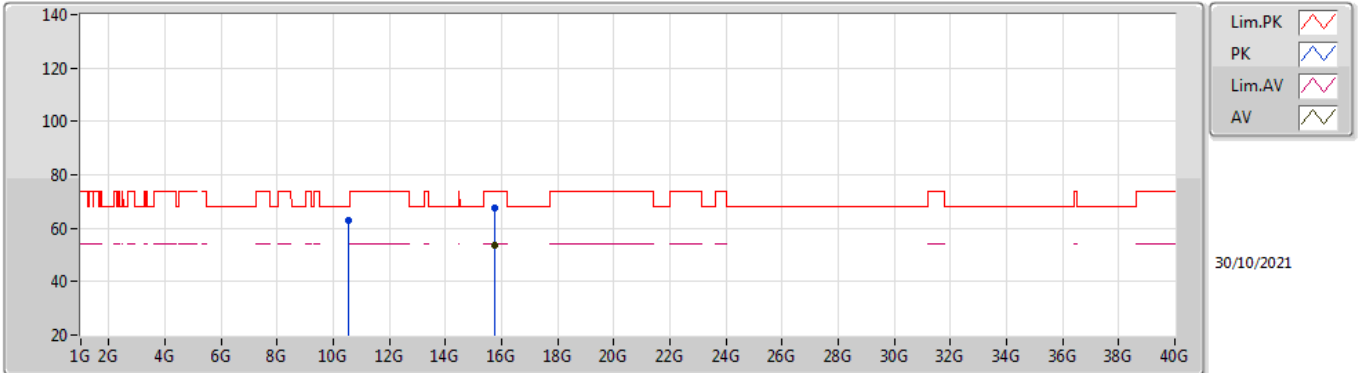


EUT Y_4TX
Setting 22
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.52176G	59.93	68.20	-8.27	45.54	3	Vertical	107	2.45	-	39.62	8.91	34.14
PK	15.786G	65.65	74.00	-8.35	49.72	3	Vertical	258.9	2.84	-	37.80	12.46	34.33
AV	15.7854G	51.75	54.00	-2.25	35.82	3	Vertical	258.9	2.84	-	37.80	12.46	34.33

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

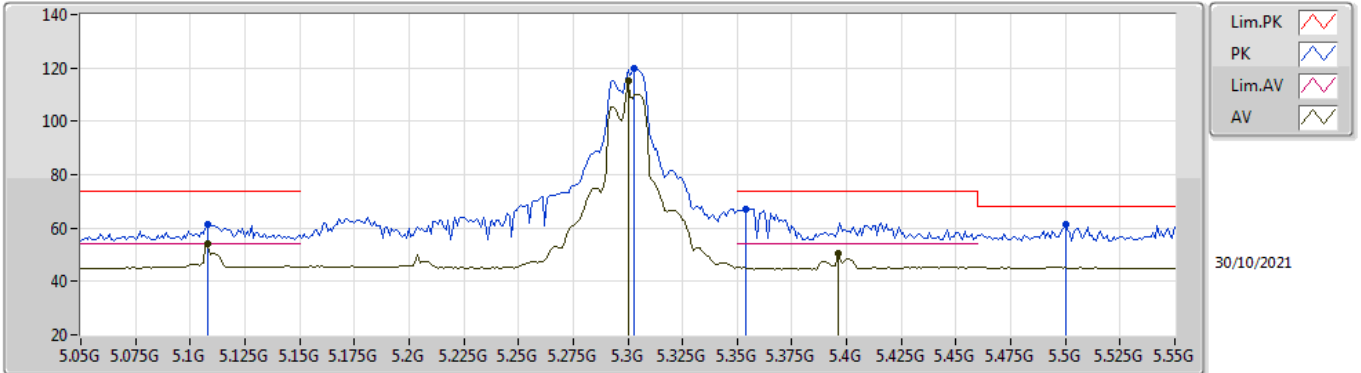


EUT Y_4TX
Setting 22
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.52728G	62.86	68.20	-5.34	48.45	3	Horizontal	54	1.91	-	39.63	8.92	34.14
PK	15.77692G	67.78	74.00	-6.22	51.86	3	Horizontal	114	1.80	-	37.80	12.45	34.33
AV	15.77844G	53.85	54.00	-0.15	37.92	3	Horizontal	114	1.80	-	37.80	12.46	34.33

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

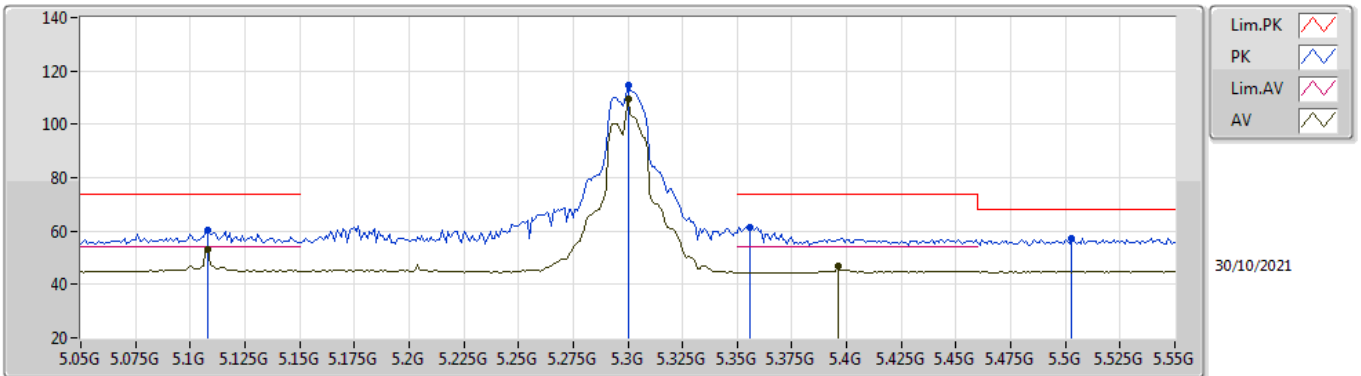


EUT V_4TX
Setting 22.5
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.108G	61.63	74.00	-12.37	55.93	3	Vertical	107	1.45	-	31.95	5.71	31.96
AV	5.108G	53.93	54.00	-0.07	48.23	3	Vertical	107	1.45	-	31.95	5.71	31.96
PK	5.303G	119.65	Inf	-Inf	114.79	3	Vertical	107	1.45	-	31.10	5.80	32.04
AV	5.3G	115.10	Inf	-Inf	110.24	3	Vertical	107	1.45	-	31.10	5.80	32.04
PK	5.354G	67.32	74.00	-6.68	62.47	3	Vertical	107	1.45	-	31.12	5.80	32.07
AV	5.396G	50.64	54.00	-3.36	45.54	3	Vertical	107	1.45	-	31.38	5.80	32.08
PK	5.5G	61.34	68.20	-6.86	56.07	3	Vertical	107	1.45	-	31.50	5.90	32.13

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

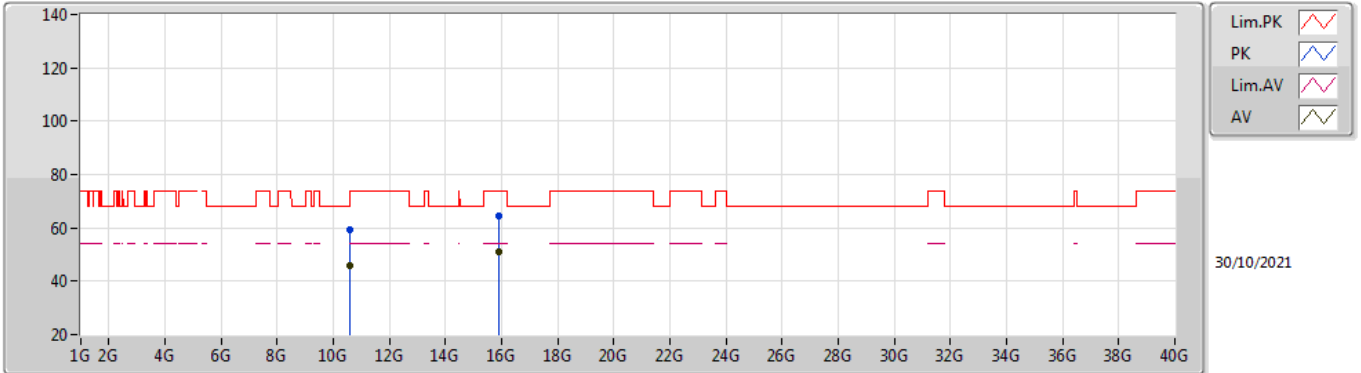


EUT V_4TX
Setting 22.5
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.108G	60.36	74.00	-13.64	54.66	3	Horizontal	276	1.94	-	31.95	5.71	31.96
AV	5.108G	52.97	54.00	-1.03	47.27	3	Horizontal	276	1.94	-	31.95	5.71	31.96
PK	5.3G	114.58	Inf	-Inf	109.72	3	Horizontal	276	1.94	-	31.10	5.80	32.04
AV	5.3G	109.57	Inf	-Inf	104.71	3	Horizontal	276	1.94	-	31.10	5.80	32.04
PK	5.356G	61.59	74.00	-12.41	56.72	3	Horizontal	276	1.94	-	31.14	5.80	32.07
AV	5.396G	46.96	54.00	-7.04	41.86	3	Horizontal	276	1.94	-	31.38	5.80	32.08
PK	5.503G	57.49	68.20	-10.71	52.22	3	Horizontal	276	1.94	-	31.50	5.90	32.13

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

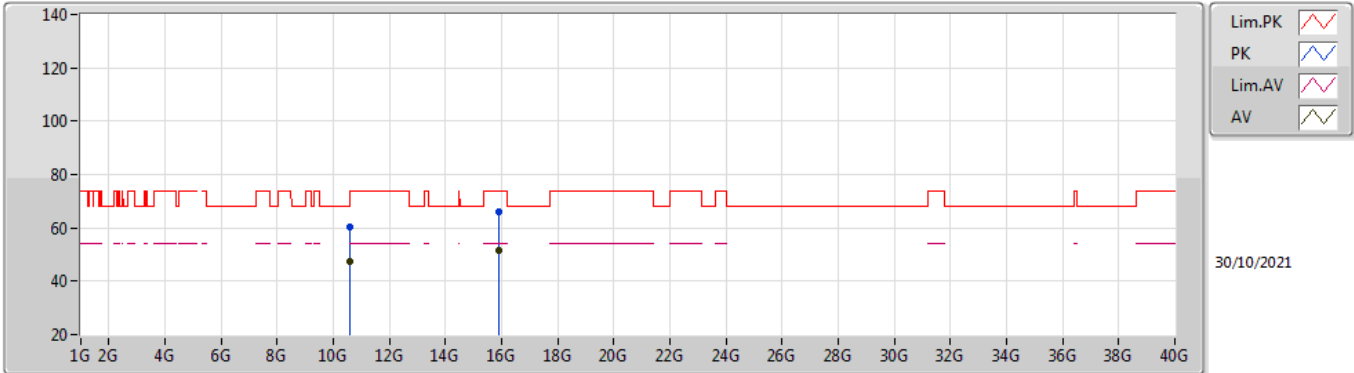


EUT_Y_4TX
Setting 22.5
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.60324G	59.11	74.00	-14.89	44.61	3	Vertical	171	1.32	-	39.70	8.96	34.16
AV	10.60348G	45.82	54.00	-8.18	31.32	3	Vertical	171	1.32	-	39.70	8.96	34.16
PK	15.90388G	64.65	74.00	-9.35	48.90	3	Vertical	286	1.74	-	37.59	12.54	34.38
AV	15.90428G	51.19	54.00	-2.81	35.44	3	Vertical	286	1.74	-	37.59	12.54	34.38

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

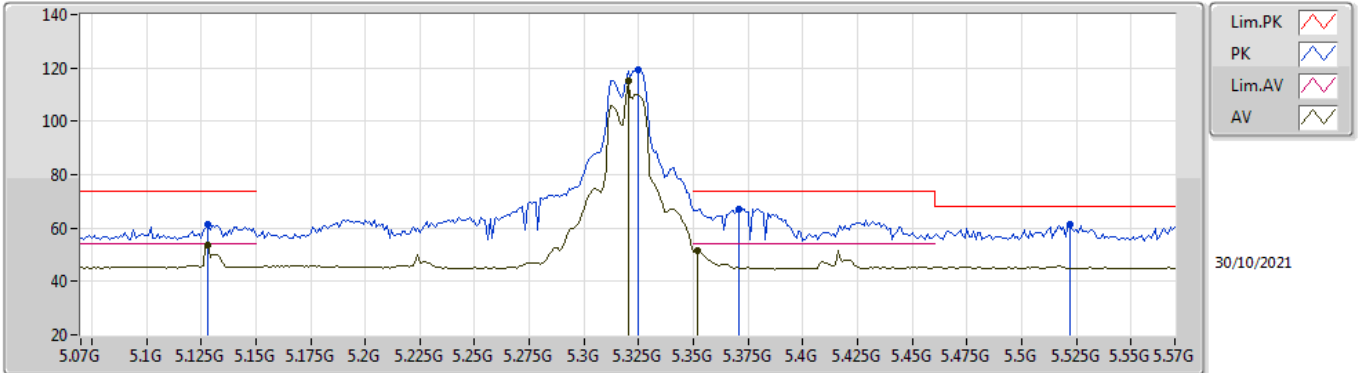


EUT_Y_4TX
Setting 22.5
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.60692G	60.55	74.00	-13.45	46.06	3	Horizontal	58	1.45	-	39.69	8.96	34.16
AV	10.6056G	47.36	54.00	-6.64	32.87	3	Horizontal	58	1.45	-	39.69	8.96	34.16
PK	15.89704G	65.91	74.00	-8.09	50.15	3	Horizontal	115.9	1.80	-	37.61	12.53	34.38
AV	15.89772G	51.60	54.00	-2.40	35.85	3	Horizontal	115.9	1.80	-	37.60	12.53	34.38

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

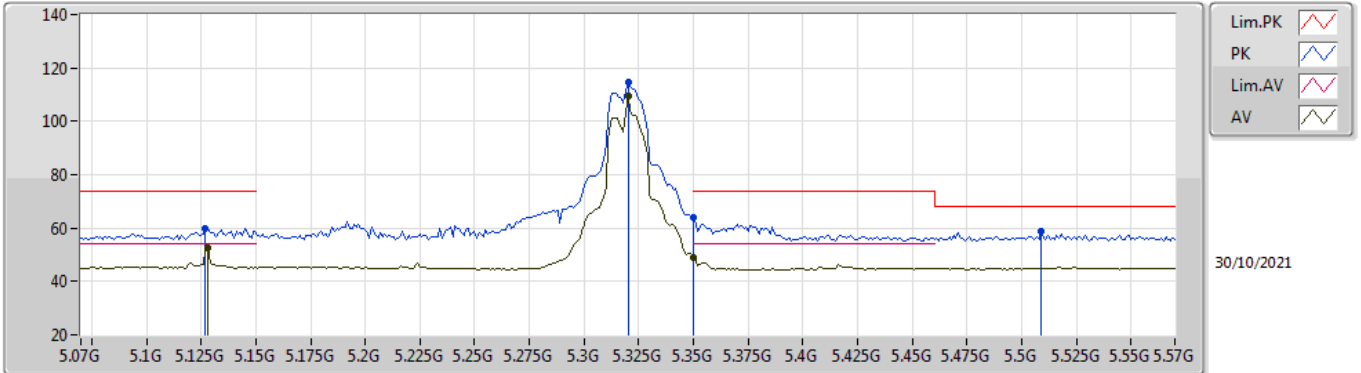


EUT V_4TX
Setting 23
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.128G	61.13	74.00	-12.87	55.54	3	Vertical	106	1.29	-	31.83	5.73	31.97
AV	5.128G	53.57	54.00	-0.43	47.98	3	Vertical	106	1.29	-	31.83	5.73	31.97
PK	5.325G	119.34	Inf	-Inf	114.49	3	Vertical	106	1.29	-	31.10	5.80	32.05
AV	5.32G	114.97	Inf	-Inf	110.12	3	Vertical	106	1.29	-	31.10	5.80	32.05
PK	5.371G	67.06	74.00	-6.94	62.10	3	Vertical	106	1.29	-	31.23	5.80	32.07
AV	5.352G	51.77	54.00	-2.23	46.92	3	Vertical	106	1.29	-	31.11	5.80	32.06
PK	5.522G	61.17	68.20	-7.03	55.89	3	Vertical	106	1.29	-	31.50	5.92	32.14

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

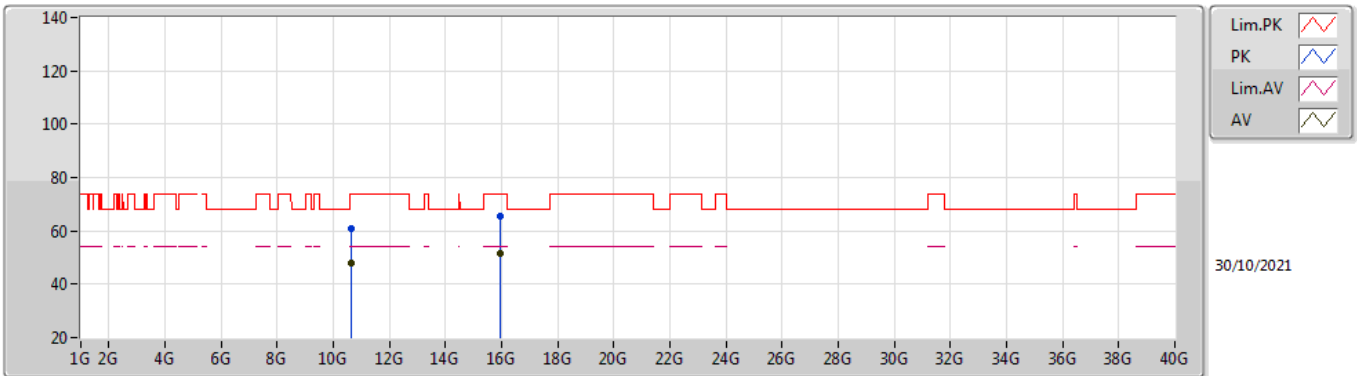


EUT_V_4TX
Setting 23
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.127G	59.87	74.00	-14.13	54.27	3	Horizontal	274	1.91	-	31.84	5.73	31.97
AV	5.128G	52.36	54.00	-1.64	46.77	3	Horizontal	274	1.91	-	31.83	5.73	31.97
PK	5.32G	114.81	Inf	-Inf	109.96	3	Horizontal	274	1.91	-	31.10	5.80	32.05
AV	5.32G	109.36	Inf	-Inf	104.51	3	Horizontal	274	1.91	-	31.10	5.80	32.05
PK	5.35G	63.91	74.00	-10.09	59.07	3	Horizontal	274	1.91	-	31.10	5.80	32.06
AV	5.35G	49.19	54.00	-4.81	44.35	3	Horizontal	274	1.91	-	31.10	5.80	32.06
PK	5.509G	58.83	68.20	-9.37	53.56	3	Horizontal	274	1.91	-	31.50	5.91	32.14

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

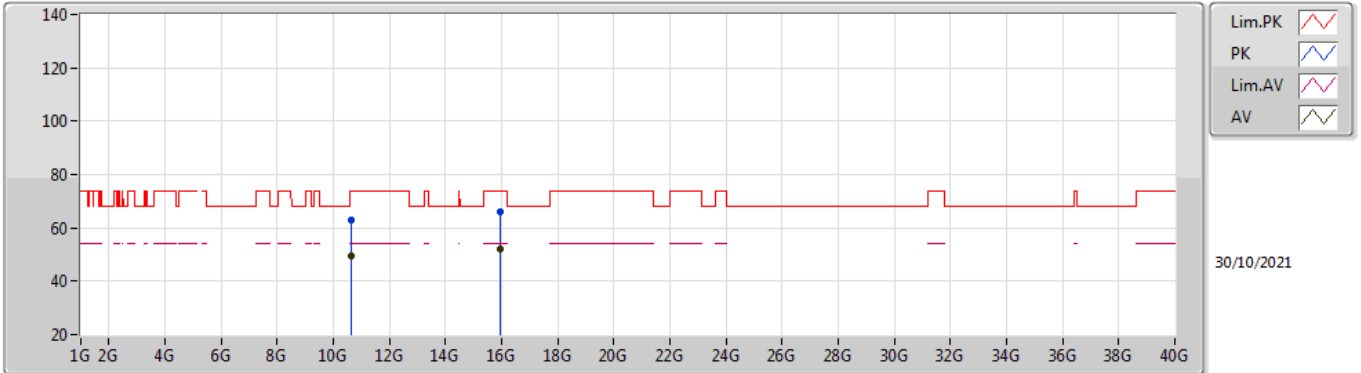


EUT_Y_4TX
Setting 23
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.64044G	60.94	74.00	-13.06	46.47	3	Vertical	109	2.36	-	39.66	8.98	34.17
AV	10.64004G	47.71	54.00	-6.29	33.24	3	Vertical	109	2.36	-	39.66	8.98	34.17
PK	15.965G	65.48	74.00	-8.52	49.84	3	Vertical	286	1.80	-	37.47	12.58	34.41
AV	15.96436G	51.38	54.00	-2.62	35.74	3	Vertical	286	1.80	-	37.47	12.58	34.41

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

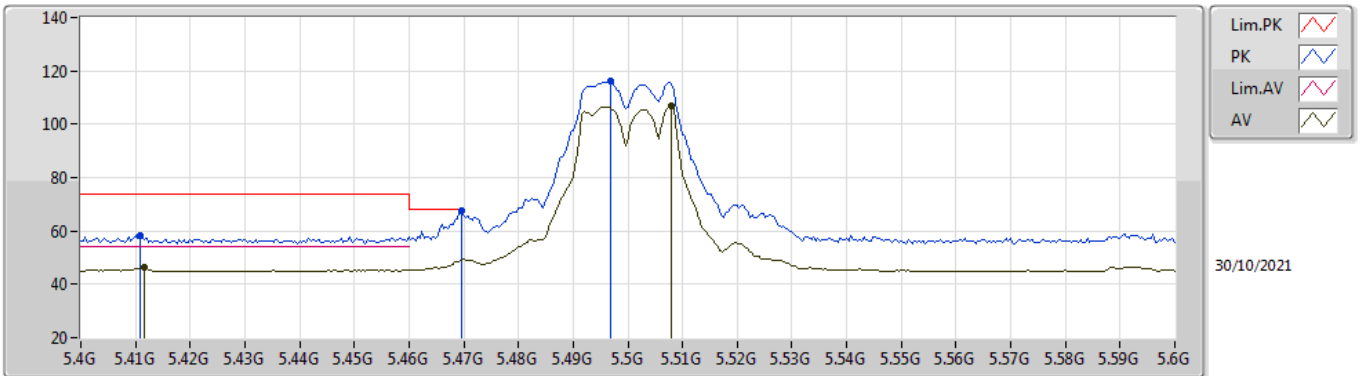


EUT_Y_4TX
Setting 23
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.64644G	62.93	74.00	-11.07	48.46	3	Horizontal	56	1.67	-	39.65	8.99	34.17
AV	10.64612G	49.33	54.00	-4.67	34.86	3	Horizontal	56	1.67	-	39.65	8.99	34.17
PK	15.95672G	66.00	74.00	-8.00	50.34	3	Horizontal	115	1.80	-	37.49	12.57	34.40
AV	15.95764G	52.28	54.00	-1.72	36.63	3	Horizontal	115	1.80	-	37.48	12.57	34.40

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

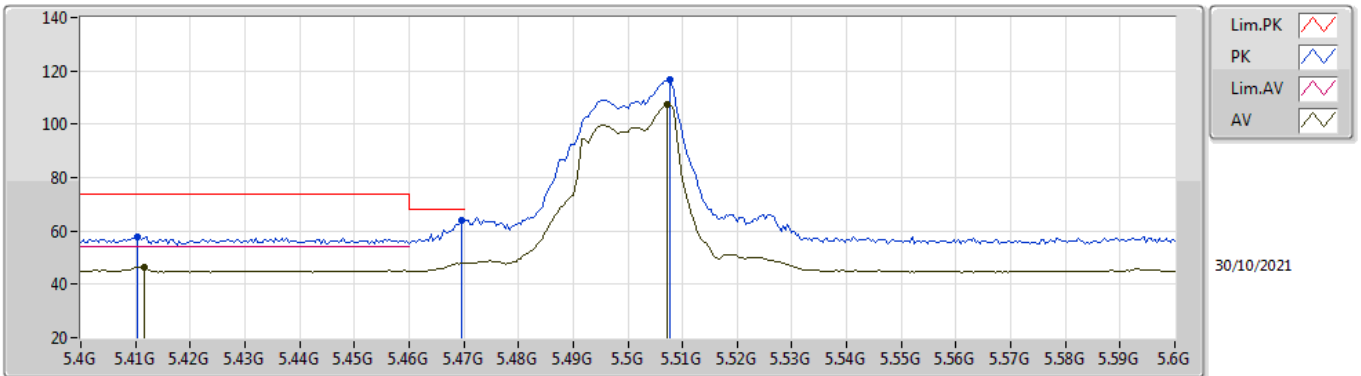


EUT_Y_4TX
Setting 22
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.4108G	58.05	74.00	-15.95	52.91	3	Vertical	207	2.00	-	31.42	5.81	32.09	
AV	5.4116G	46.48	54.00	-7.52	41.34	3	Vertical	207	2.00	-	31.42	5.81	32.09	
PK	5.4696G	67.82	68.20	-0.38	62.57	3	Vertical	207	2.00	-	31.50	5.87	32.12	
PK	5.4968G	116.04	Inf	-Inf	110.77	3	Vertical	207	2.00	-	31.50	5.90	32.13	
AV	5.508G	106.92	Inf	-Inf	101.64	3	Vertical	207	2.00	-	31.50	5.91	32.13	

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

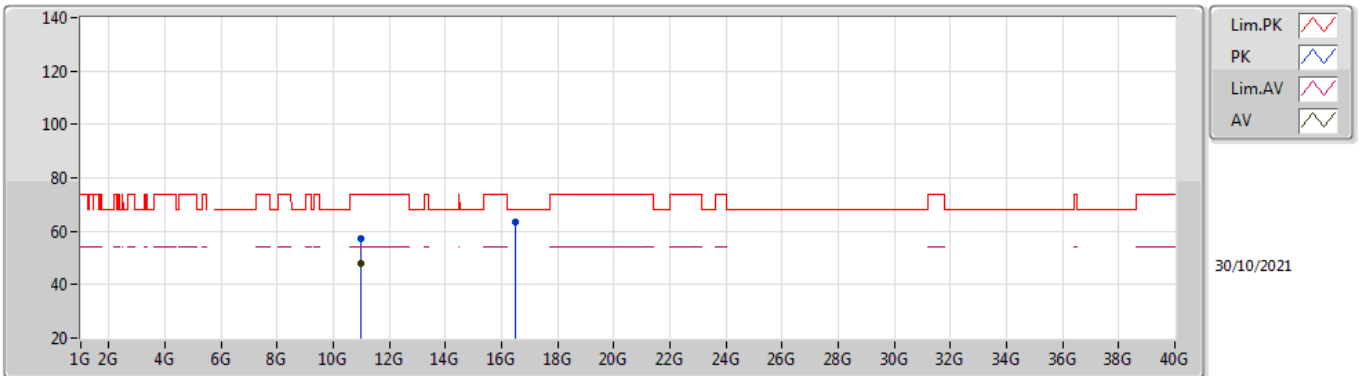


EUT_V_4TX
Setting 22
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.4104G	57.75	74.00	-16.25	52.61	3	Horizontal	326	3.00	-	31.42	5.81	32.09	
AV	5.4116G	46.49	54.00	-7.51	41.35	3	Horizontal	326	3.00	-	31.42	5.81	32.09	
PK	5.4696G	64.14	68.20	-4.06	58.89	3	Horizontal	326	3.00	-	31.50	5.87	32.12	
PK	5.5076G	116.63	Inf	-Inf	111.35	3	Horizontal	326	3.00	-	31.50	5.91	32.13	
AV	5.5072G	107.21	Inf	-Inf	101.93	3	Horizontal	326	3.00	-	31.50	5.91	32.13	

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

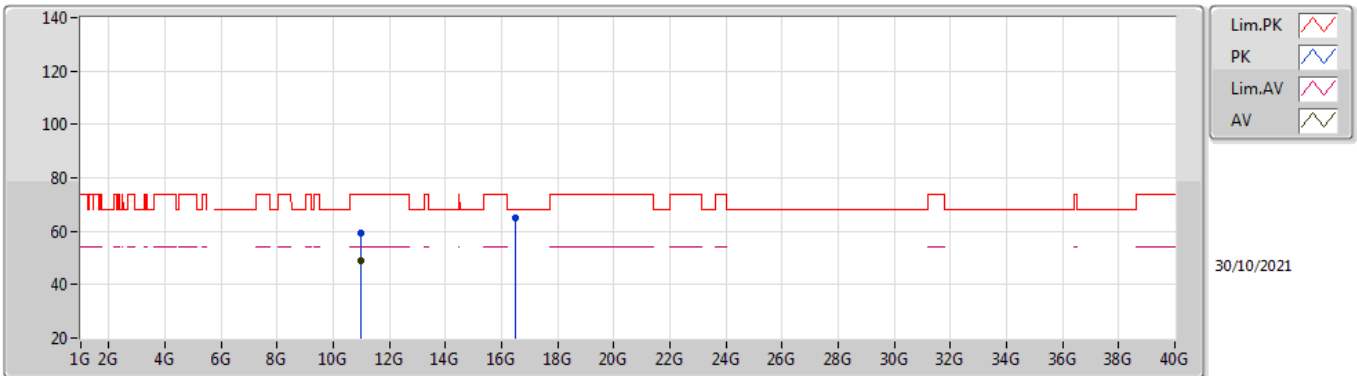


EUT Y_4TX
Setting 22
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.00012G	57.00	74.00	-17.00	41.83	3	Vertical	67	1.75	-	40.20	9.20	34.23
AV	10.99996G	47.99	54.00	-6.01	32.82	3	Vertical	67	1.75	-	40.20	9.20	34.23
PK	16.49456G	63.63	68.20	-4.57	45.38	3	Vertical	306	2.46	-	39.56	13.17	34.48

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

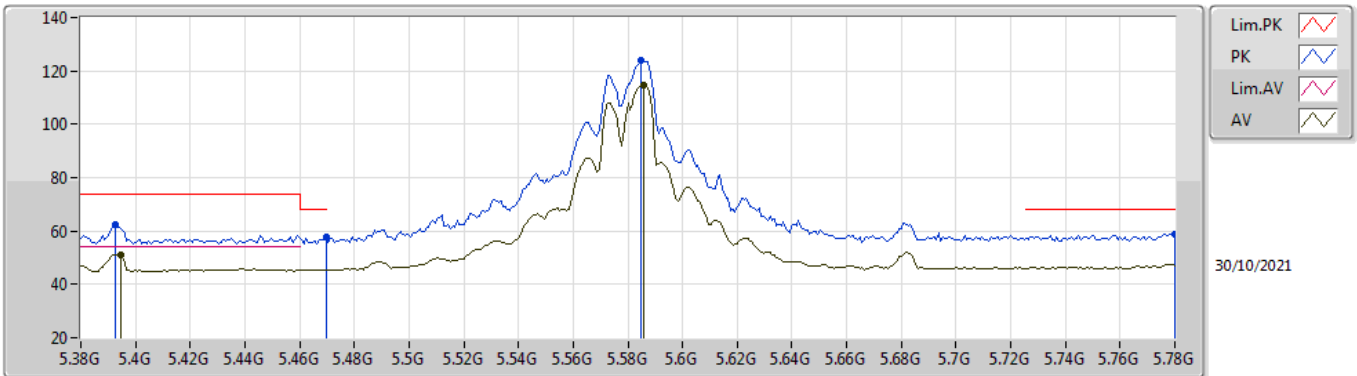


EUT Y_4TX
Setting 22
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.00168G	59.49	74.00	-14.51	44.33	3	Horizontal	61	1.80	-	40.19	9.20	34.23
AV	10.99988G	48.80	54.00	-5.20	33.63	3	Horizontal	61	1.80	-	40.20	9.20	34.23
PK	16.49984G	65.04	68.20	-3.16	46.75	3	Horizontal	109	1.74	-	39.60	13.17	34.48

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

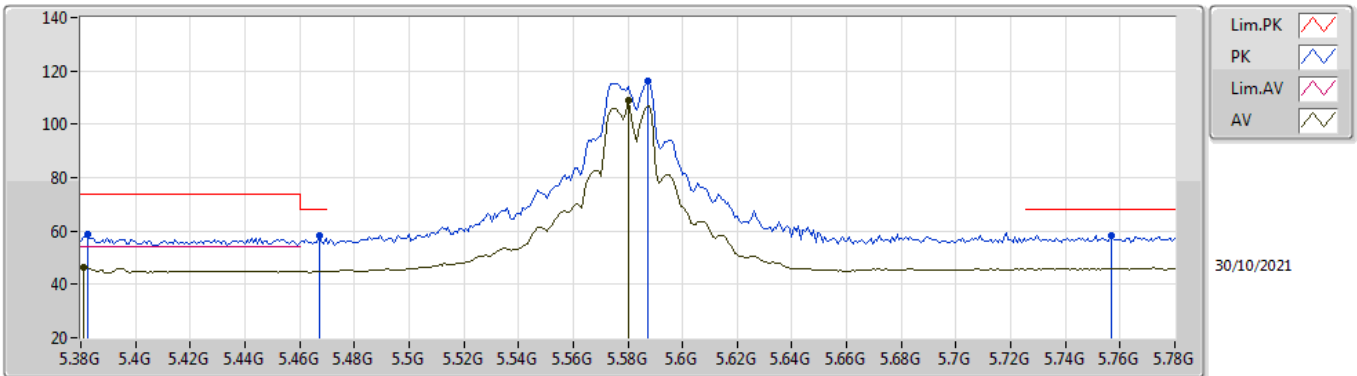


EUT_V_4TX
Setting 26
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3928G	62.22	74.00	-11.78	57.14	3	Vertical	102	2.88	-	31.36	5.80	32.08
AV	5.3944G	51.07	54.00	-2.93	45.98	3	Vertical	102	2.88	-	31.37	5.80	32.08
PK	5.4696G	57.88	68.20	-10.32	52.63	3	Vertical	102	2.88	-	31.50	5.87	32.12
PK	5.5848G	123.87	Inf	-Inf	118.50	3	Vertical	102	2.88	-	31.57	5.98	32.18
AV	5.5856G	114.54	Inf	-Inf	109.16	3	Vertical	102	2.88	-	31.57	5.99	32.18
PK	5.78G	58.86	68.20	-9.34	53.16	3	Vertical	102	2.88	-	32.00	6.00	32.30

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

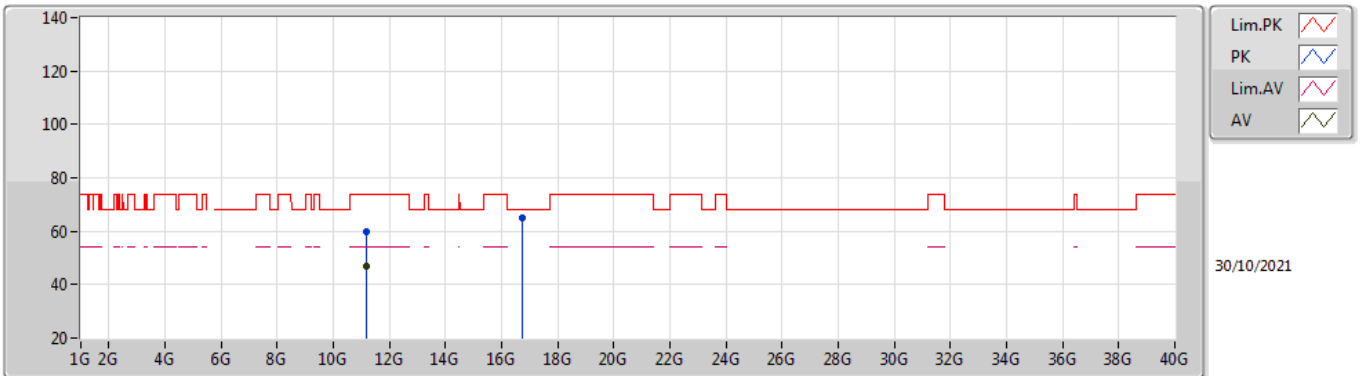


EUT_V_4TX
Setting 26
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3824G	58.93	74.00	-15.07	53.92	3	Horizontal	335	1.75	-	31.29	5.80	32.08
AV	5.3808G	46.21	54.00	-7.79	41.21	3	Horizontal	335	1.75	-	31.28	5.80	32.08
PK	5.4672G	58.39	68.20	-9.81	53.14	3	Horizontal	335	1.75	-	31.50	5.87	32.12
PK	5.5872G	116.25	Inf	-Inf	110.87	3	Horizontal	335	1.75	-	31.57	5.99	32.18
AV	5.58G	108.80	Inf	-Inf	103.44	3	Horizontal	335	1.75	-	31.56	5.98	32.18
PK	5.7568G	58.27	68.20	-9.93	52.55	3	Horizontal	335	1.75	-	32.00	6.00	32.28

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

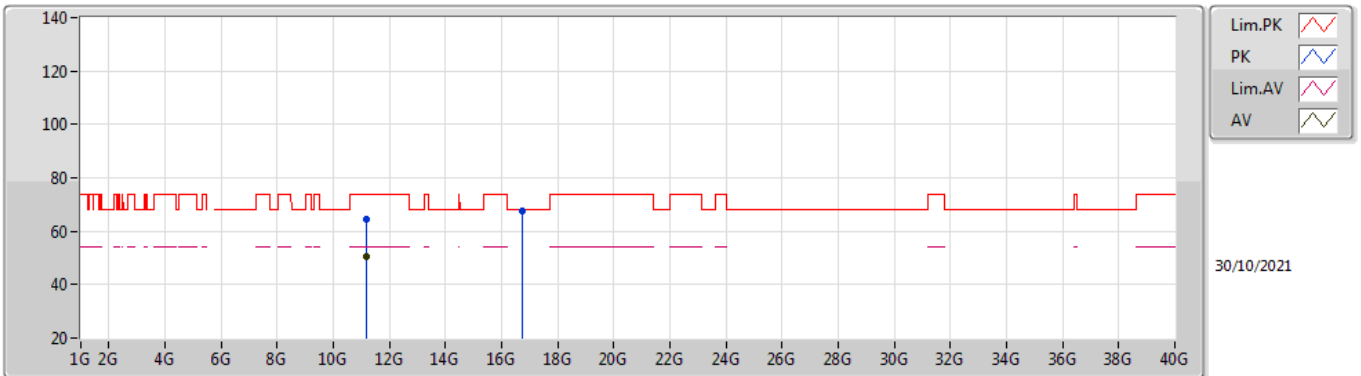


EUT Y_4TX
Setting 26
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.15604G	60.07	74.00	-13.93	45.34	3	Vertical	109	2.12	-	39.69	9.29	34.25
AV	11.15656G	47.12	54.00	-6.88	32.40	3	Vertical	109	2.12	-	39.69	9.29	34.26
PK	16.73624G	64.93	68.20	-3.27	45.85	3	Vertical	94	2.21	-	40.12	13.45	34.49

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

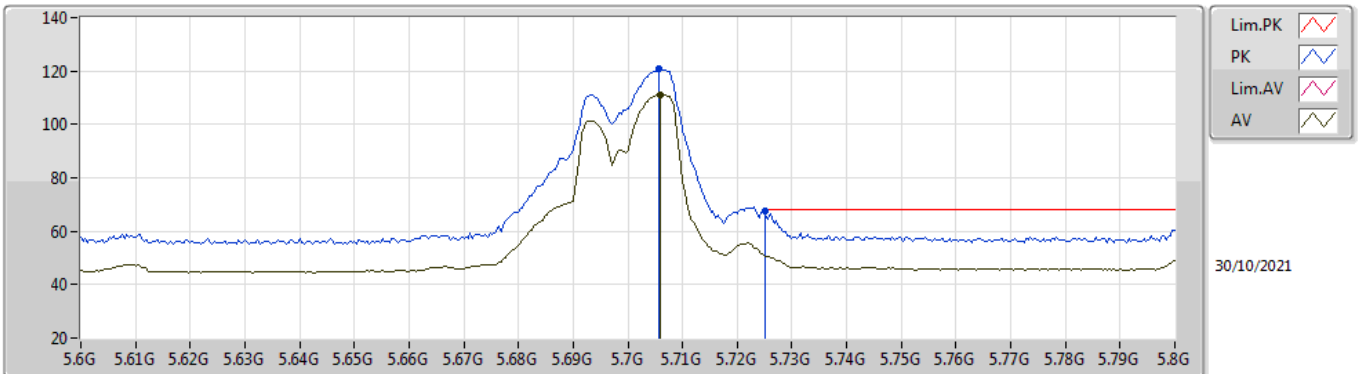


EUT Y_4TX
Setting 26
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.16328G	64.25	74.00	-9.75	49.54	3	Horizontal	36	1.80	-	39.67	9.30	34.26
AV	11.16368G	50.37	54.00	-3.63	35.66	3	Horizontal	36	1.80	-	39.67	9.30	34.26
PK	16.73912G	67.43	68.20	-0.77	48.34	3	Horizontal	114	1.64	-	40.13	13.45	34.49

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

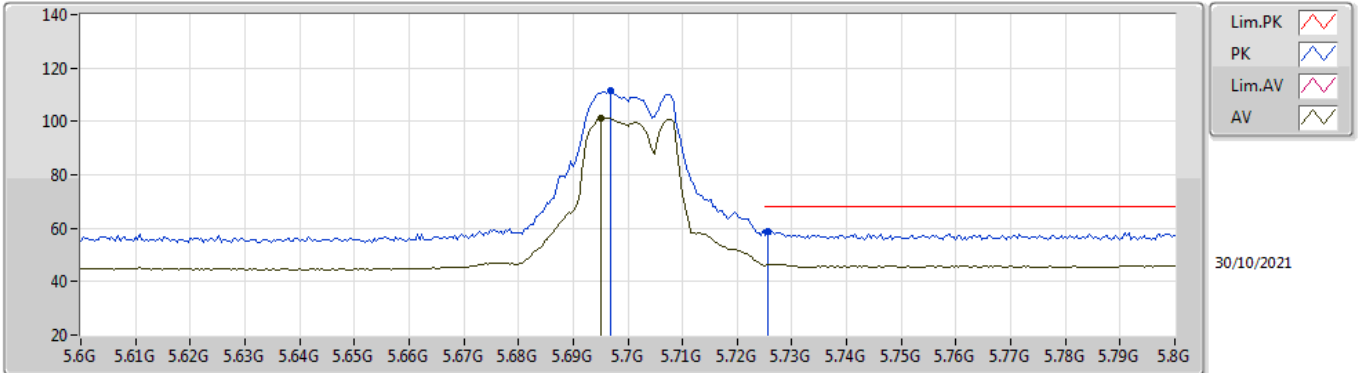


EUT Y_4TX
Setting 21
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7056G	120.66	Inf	-Inf	115.09	3	Vertical	101	2.53	-	31.82	6.00	32.25
AV	5.706G	111.11	Inf	-Inf	105.54	3	Vertical	101	2.53	-	31.82	6.00	32.25
PK	5.7252G	67.82	68.20	-0.38	62.19	3	Vertical	101	2.53	-	31.90	6.00	32.27

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

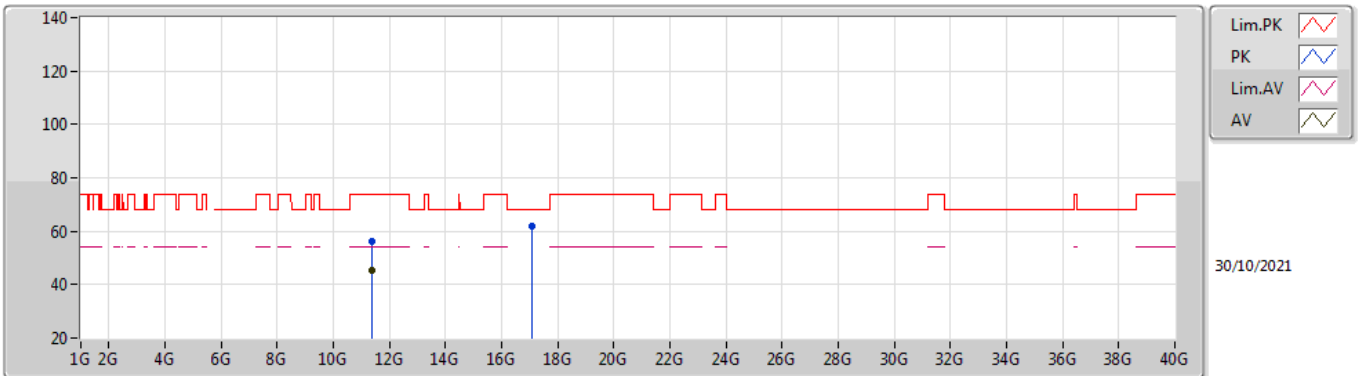


EUT_V_4TX
Setting 21
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6968G	111.31	Inf	-Inf	105.77	3	Horizontal	342	1.66	-	31.79	6.00	32.25
AV	5.6952G	101.29	Inf	-Inf	95.76	3	Horizontal	342	1.66	-	31.78	6.00	32.25
PK	5.7256G	58.55	68.20	-9.65	52.92	3	Horizontal	342	1.66	-	31.90	6.00	32.27

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

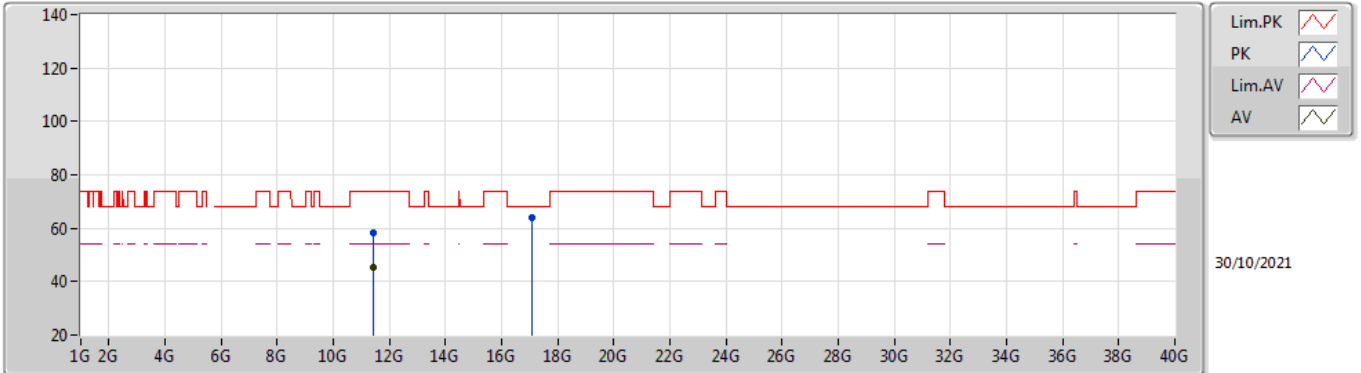


EUT_Y_4TX
Setting 21
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.3956G	56.43	74.00	-17.57	41.49	3	Vertical	330	2.22	-	39.79	9.44	34.29
AV	11.4G	45.26	54.00	-8.74	30.31	3	Vertical	330	2.22	-	39.80	9.44	34.29
PK	17.10296G	62.08	68.20	-6.12	42.14	3	Vertical	95	1.15	-	40.61	13.87	34.54

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

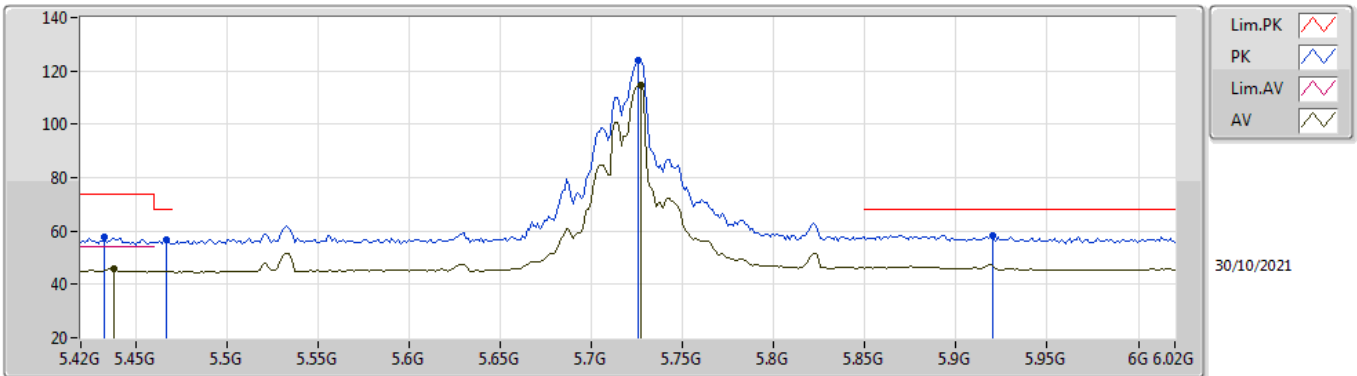


EUT_V_4TX
Setting 21
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.40468G	58.21	74.00	-15.79	43.27	3	Horizontal	44	1.85	-	39.79	9.44	34.29
AV	11.40248G	45.12	54.00	-8.88	30.17	3	Horizontal	44	1.85	-	39.80	9.44	34.29
PK	17.09668G	64.04	68.20	-4.16	44.12	3	Horizontal	91	1.80	-	40.60	13.86	34.54

802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

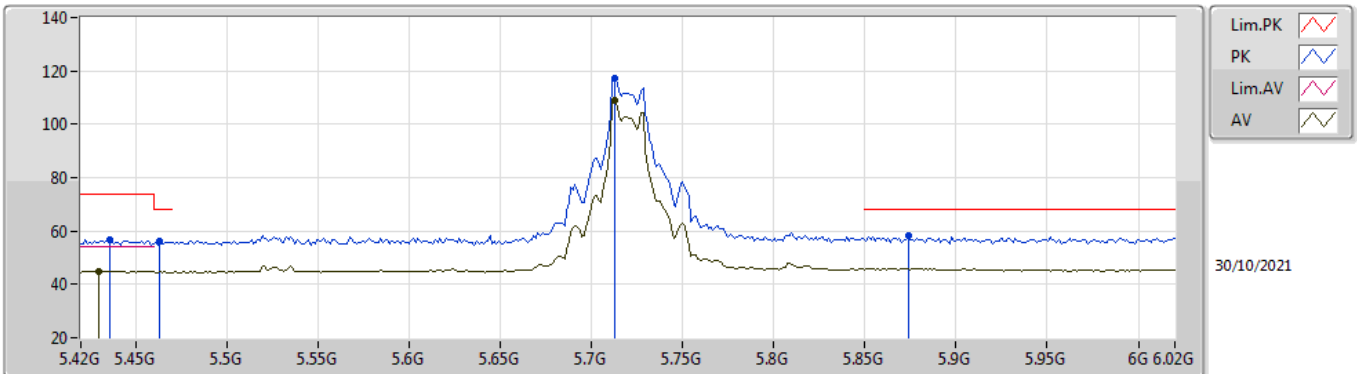


EUT V_4TX
Setting 24.5
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4332G	57.86	74.00	-16.14	52.66	3	Vertical	102	2.72	-	31.47	5.83	32.10
AV	5.438G	45.85	54.00	-8.15	40.63	3	Vertical	102	2.72	-	31.48	5.84	32.10
PK	5.4668G	56.49	68.20	-11.71	51.24	3	Vertical	102	2.72	-	31.50	5.87	32.12
PK	5.726G	123.83	Inf	-Inf	118.20	3	Vertical	102	2.72	-	31.90	6.00	32.27
AV	5.7272G	114.69	Inf	-Inf	109.05	3	Vertical	102	2.72	-	31.91	6.00	32.27
PK	5.9204G	58.43	68.20	-9.77	52.61	3	Vertical	102	2.72	-	32.14	6.06	32.38

802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

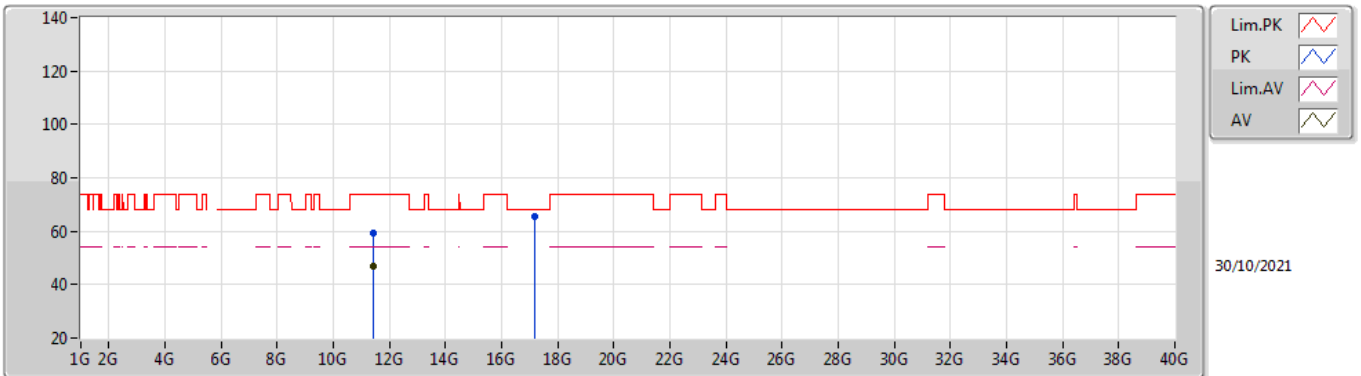


EUT V_4TX
Setting 24.5
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.4356G	56.59	74.00	-17.41	51.38	3	Horizontal	217	1.58	-	31.47	5.84	32.10	
AV	5.4296G	44.96	54.00	-9.04	39.77	3	Horizontal	217	1.58	-	31.46	5.83	32.10	
PK	5.4632G	56.05	68.20	-12.15	50.80	3	Horizontal	217	1.58	-	31.50	5.86	32.11	
PK	5.7128G	117.50	Inf	-Inf	111.91	3	Horizontal	217	1.58	-	31.85	6.00	32.26	
AV	5.7128G	108.71	Inf	-Inf	103.12	3	Horizontal	217	1.58	-	31.85	6.00	32.26	
PK	5.8736G	58.05	68.20	-10.15	52.31	3	Horizontal	217	1.58	-	32.05	6.04	32.35	

802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

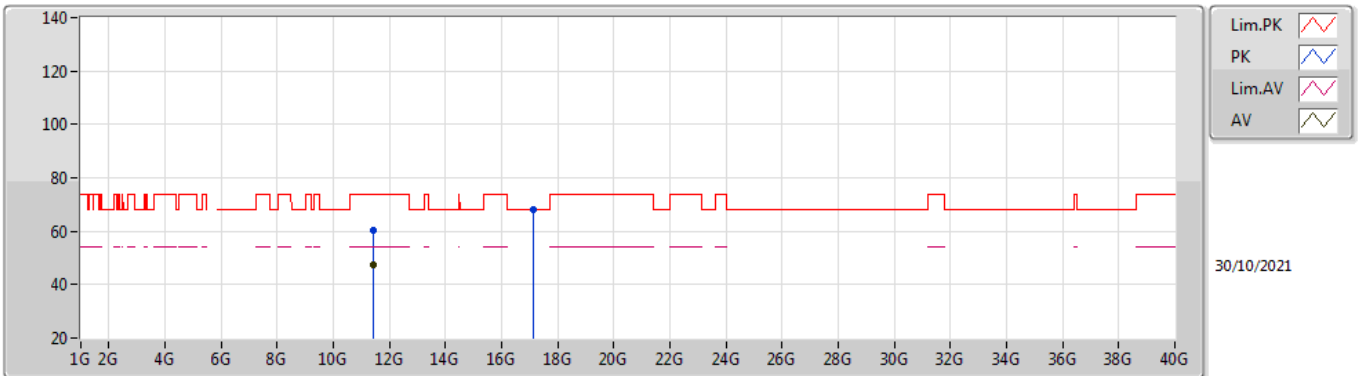


EUT_V_4TX
Setting 24.5
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.43636G	59.46	74.00	-14.54	44.57	3	Vertical	289	1.69	-	39.73	9.46	34.30
AV	11.43564G	47.11	54.00	-6.89	32.22	3	Vertical	289	1.69	-	39.73	9.46	34.30
PK	17.16968G	65.60	68.20	-2.60	45.41	3	Vertical	74	2.54	-	40.81	13.95	34.57

802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

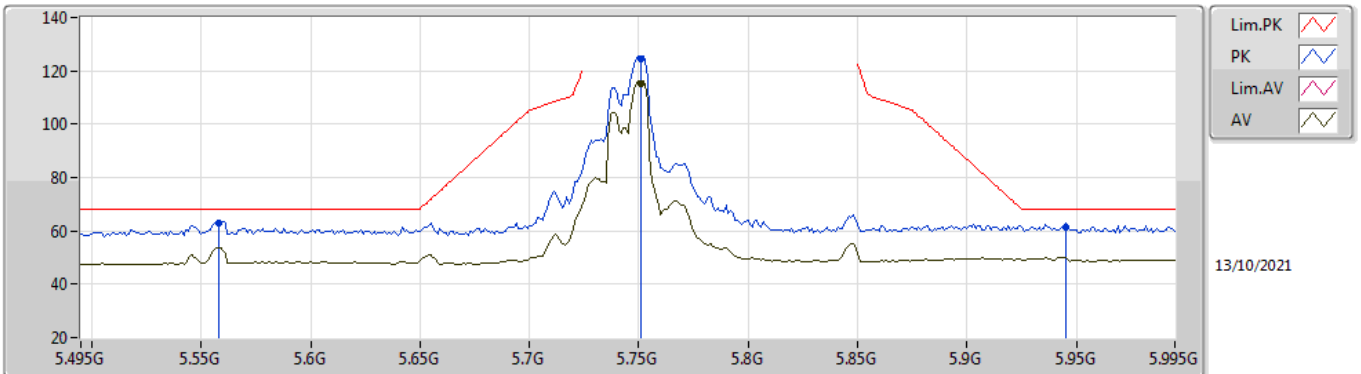


EUT Y_4TX
Setting 24.5
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.43876G	60.33	74.00	-13.67	45.45	3	Horizontal	44	1.80	-	39.72	9.46	34.30
AV	11.43808G	47.17	54.00	-6.83	32.29	3	Horizontal	44	1.80	-	39.72	9.46	34.30
PK	17.15428G	68.03	68.20	-0.17	47.90	3	Horizontal	86	1.08	-	40.76	13.93	34.56

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

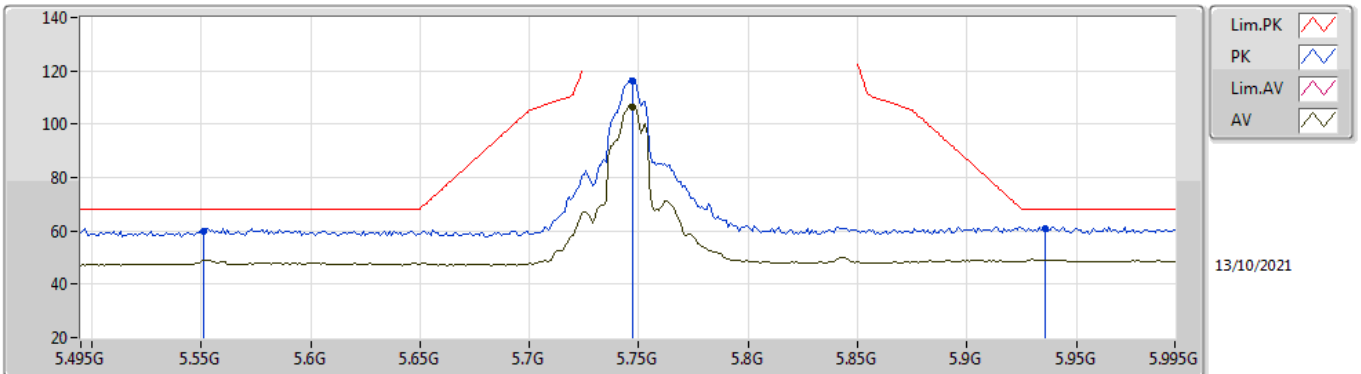


EUT Y_4TX
Setting 22.5
01-A-B-4-10
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.558G	62.79	68.20	-5.41	55.42	3	Vertical	101	2.43	-	33.72	6.56	32.91	
PK	5.751G	124.35	Inf	-Inf	116.58	3	Vertical	101	2.43	-	34.10	6.60	32.93	
AV	5.751G	115.30	Inf	-Inf	107.53	3	Vertical	101	2.43	-	34.10	6.60	32.93	
PK	5.945G	61.62	68.20	-6.58	52.98	3	Vertical	101	2.43	-	34.98	6.60	32.94	

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

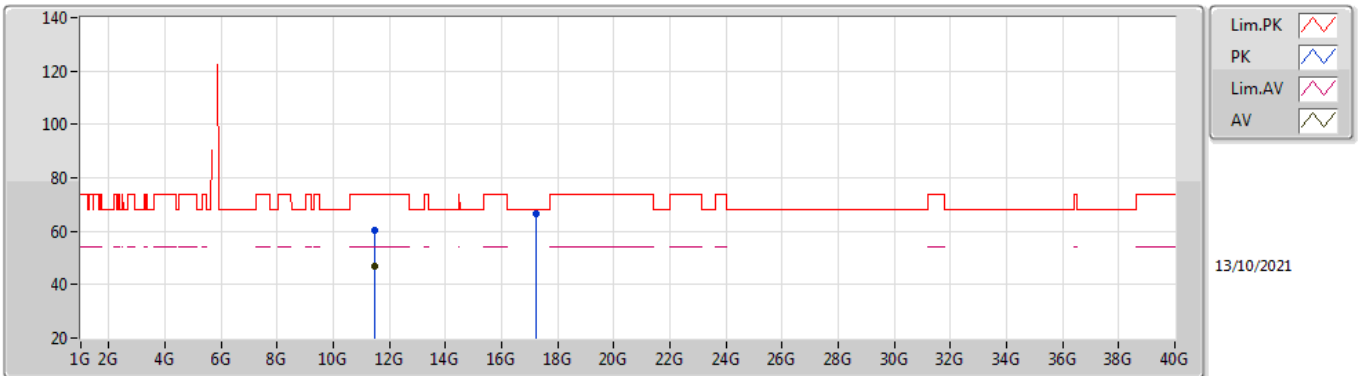


EUT V_4TX
Setting 22.5
01-A-B-4-10
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.551G	59.95	68.20	-8.25	52.61	3	Horizontal	354	1.80	-	33.70	6.55	32.91	
PK	5.747G	116.02	Inf	-Inf	108.25	3	Horizontal	354	1.80	-	34.09	6.60	32.92	
AV	5.747G	106.46	Inf	-Inf	98.69	3	Horizontal	354	1.80	-	34.09	6.60	32.92	
PK	5.936G	60.84	68.20	-7.36	52.24	3	Horizontal	354	1.80	-	34.94	6.60	32.94	

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

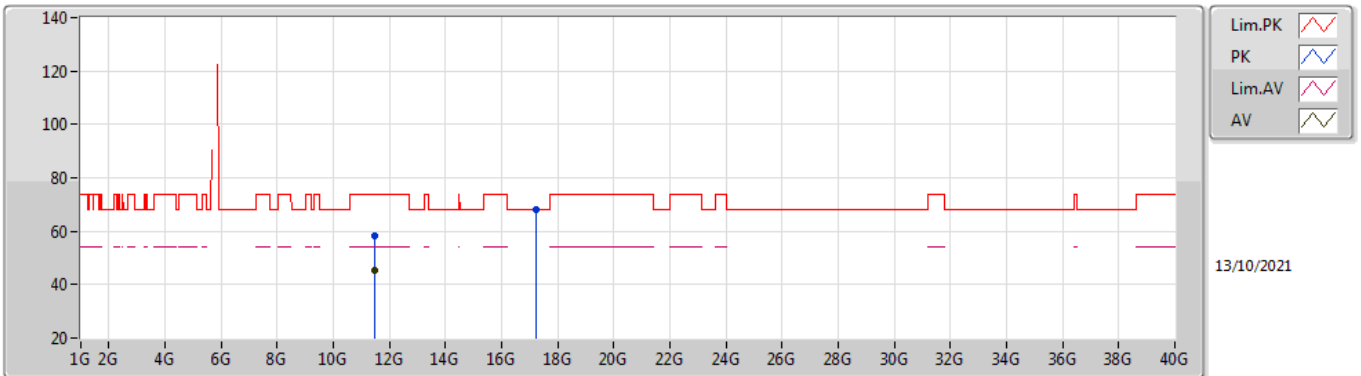


EUT Y_4TX
Setting 22.5
01-A-B-4
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48628G	60.33	74.00	-13.67	45.87	3	Vertical	304	3.00	-	38.40	8.87	32.81
AV	11.4861G	46.67	54.00	-7.33	32.21	3	Vertical	304	3.00	-	38.40	8.87	32.81
PK	17.23524G	66.53	68.20	-1.67	45.96	3	Vertical	38	2.01	-	41.71	10.87	32.01

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

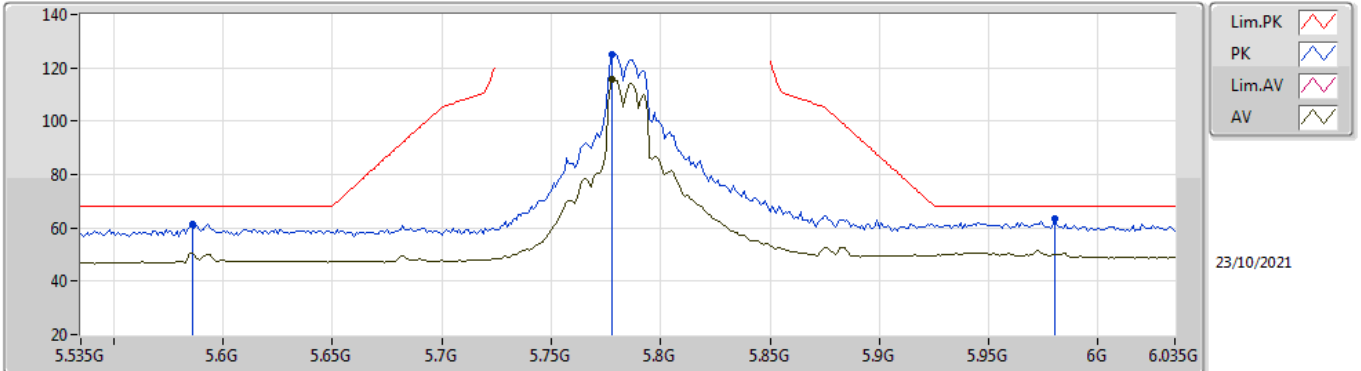


EUT V_4TX
Setting 22.5
01-A-B-4
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48632G	58.10	74.00	-15.90	43.64	3	Horizontal	41	1.57	-	38.40	8.87	32.81
AV	11.48992G	45.31	54.00	-8.69	30.85	3	Horizontal	41	1.57	-	38.40	8.87	32.81
PK	17.23152G	68.12	68.20	-0.08	47.57	3	Horizontal	113	1.78	-	41.69	10.87	32.01

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

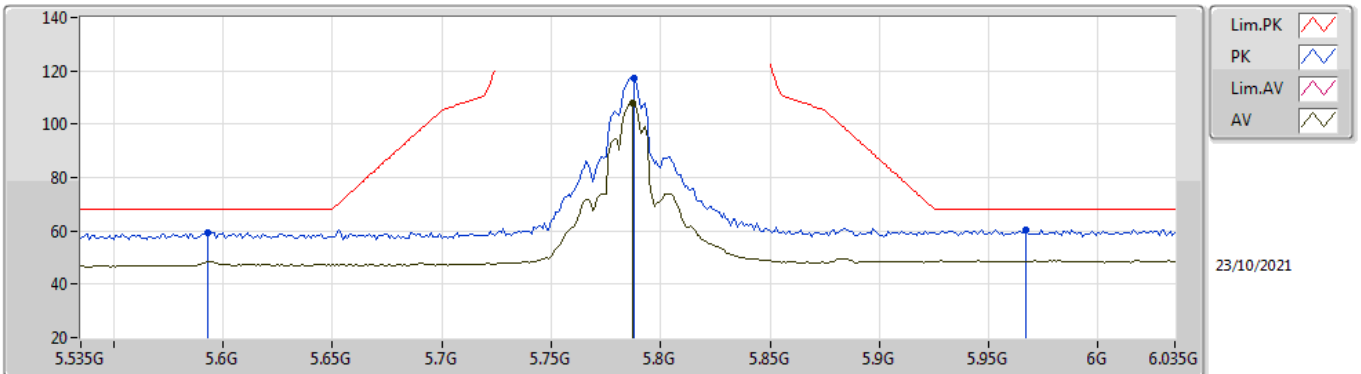


EUT Y_4TX
Setting 23.5
01-A-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.586G	61.40	68.20	-6.80	53.95	3	Vertical	339	1.33	-	33.77	6.59	32.91	
PK	5.778G	125.17	Inf	-Inf	117.29	3	Vertical	339	1.33	-	34.21	6.60	32.93	
AV	5.778G	115.46	Inf	-Inf	107.58	3	Vertical	339	1.33	-	34.21	6.60	32.93	
PK	5.98G	63.29	68.20	-4.91	54.52	3	Vertical	339	1.33	-	35.12	6.60	32.95	

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

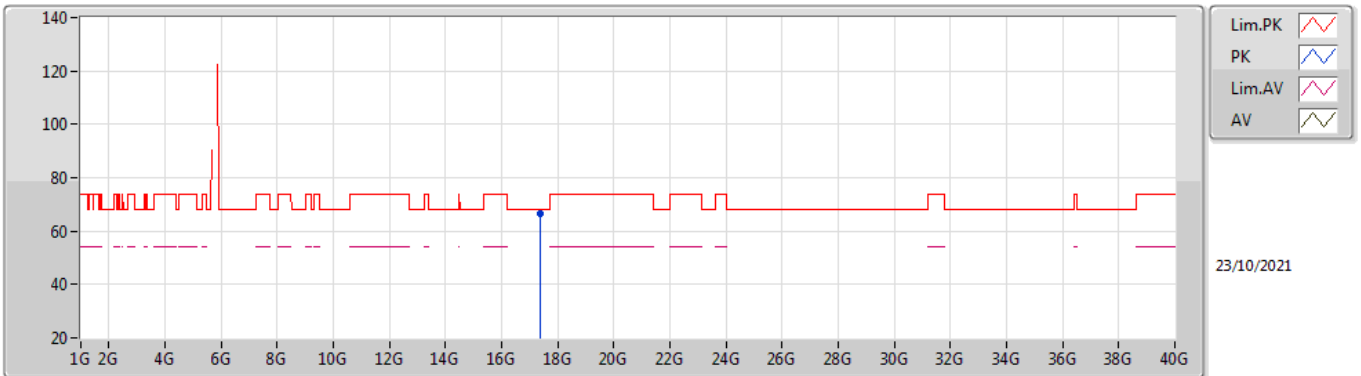


EUT V_4TX
Setting 23.5
01-A-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.593G	59.49	68.20	-8.71	52.02	3	Horizontal	360	1.80	-	33.79	6.59	32.91
PK	5.788G	117.46	Inf	-Inf	109.54	3	Horizontal	360	1.80	-	34.25	6.60	32.93
AV	5.787G	108.07	Inf	-Inf	100.15	3	Horizontal	360	1.80	-	34.25	6.60	32.93
PK	5.967G	60.51	68.20	-7.69	51.79	3	Horizontal	360	1.80	-	35.07	6.60	32.95

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

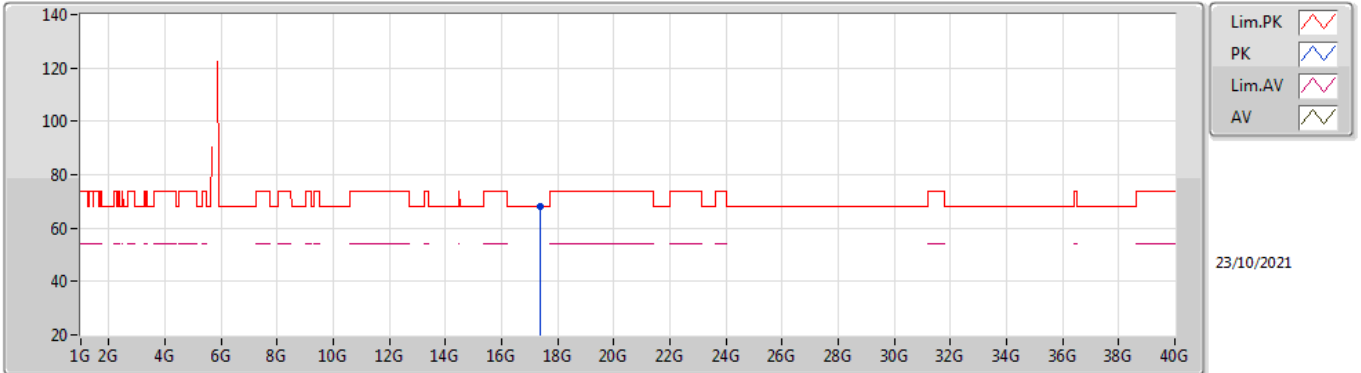


EUT Y_4TX
Setting 23.5
01-A-S-8

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	17.359G	66.37	68.20	-1.83	45.26	3	Vertical	146	1.80	-	42.14	10.91	31.94	

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

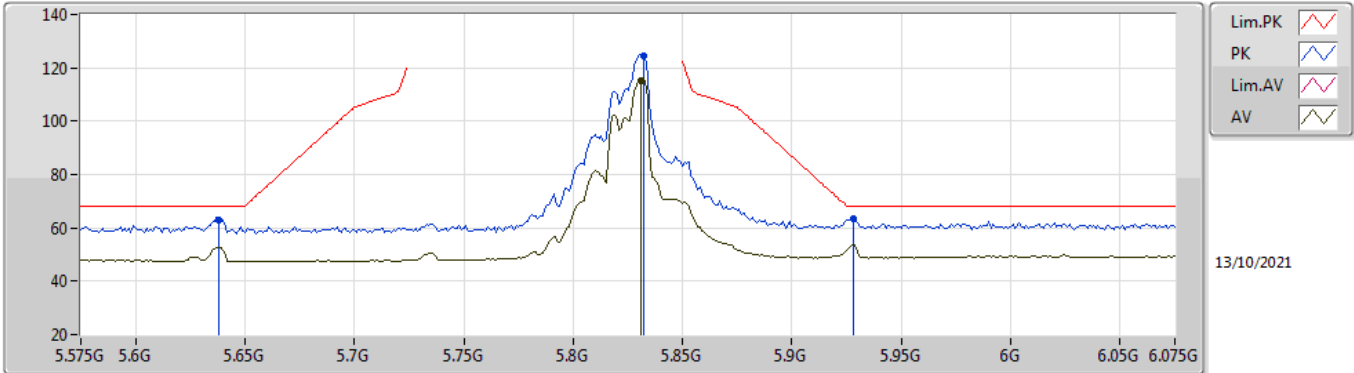


EUT Y_4TX
Setting 23.5
01-A-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	17.35692G	68.16	68.20	-0.04	47.06	3	Horizontal	331	2.55	-	42.13	10.91	31.94	

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

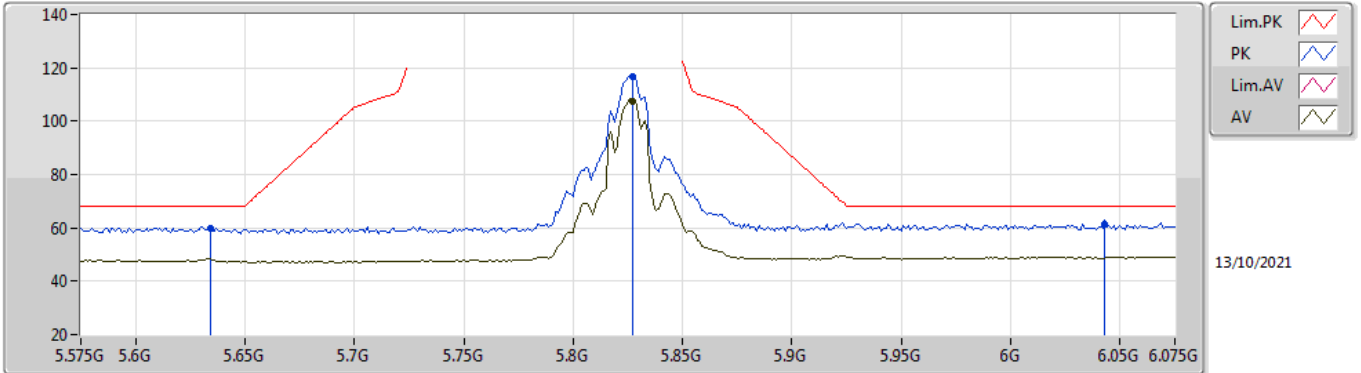


EUT V_4TX
Setting 23.5
01-A-B-4-10
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.638G	62.98	68.20	-5.22	55.41	3	Vertical	99	2.22	-	33.88	6.60	32.91	
PK	5.832G	124.37	Inf	-Inf	116.27	3	Vertical	99	2.22	-	34.43	6.60	32.93	
AV	5.831G	115.18	Inf	-Inf	107.09	3	Vertical	99	2.22	-	34.42	6.60	32.93	
PK	5.928G	63.35	68.20	-4.85	54.78	3	Vertical	99	2.22	-	34.91	6.60	32.94	

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

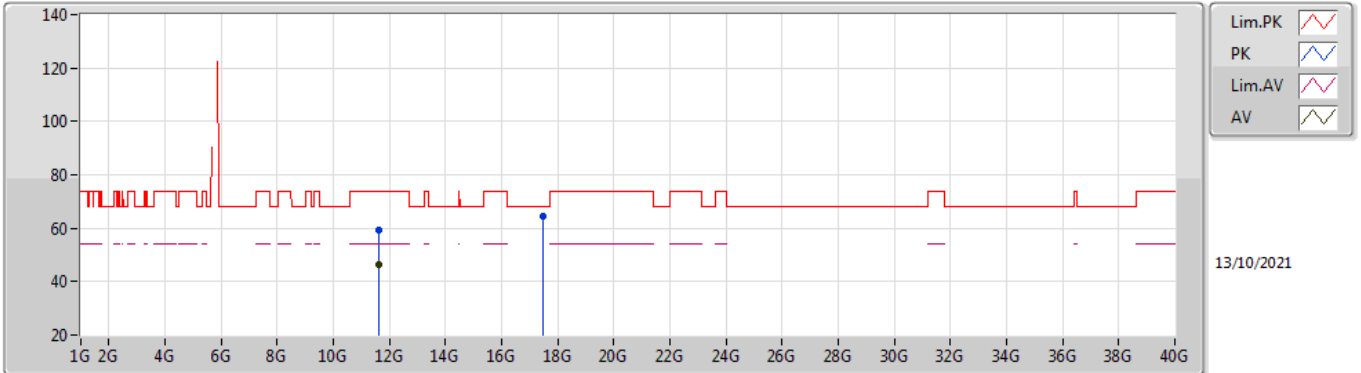


EUT V_4TX
Setting 23.5
01-A-B-4-10
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.634G	59.84	68.20	-8.36	52.28	3	Horizontal	356	1.54	-	33.87	6.60	32.91	
PK	5.827G	116.68	Inf	-Inf	108.60	3	Horizontal	356	1.54	-	34.41	6.60	32.93	
AV	5.827G	107.57	Inf	-Inf	99.49	3	Horizontal	356	1.54	-	34.41	6.60	32.93	
PK	6.043G	61.63	68.20	-6.57	52.72	3	Horizontal	356	1.54	-	35.20	6.66	32.95	

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

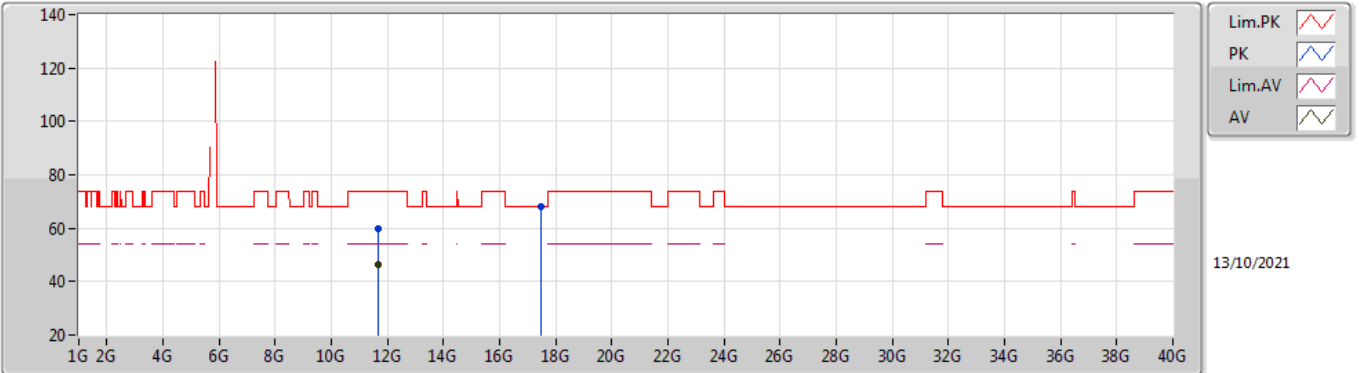


EUT Y_4TX
Setting 23.5
01-A-B-4
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.64648G	59.06	74.00	-14.94	44.53	3	Vertical	303	1.78	-	38.45	8.91	32.83
AV	11.64664G	46.19	54.00	-7.81	31.66	3	Vertical	303	1.78	-	38.45	8.91	32.83
PK	17.479G	64.68	68.20	-3.52	43.32	3	Vertical	146	1.82	-	42.30	10.94	31.88

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

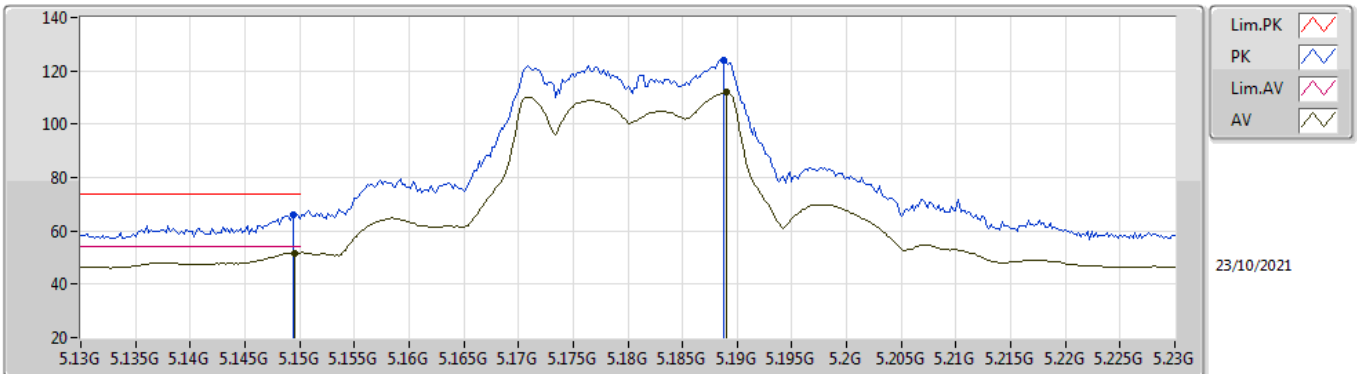


EUT Y_4TX
Setting 23.5
01-A-B-4
K88 PA In

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.65816G	59.62	74.00	-14.38	45.08	3	Horizontal	23	1.29	-	38.46	8.91	32.83
AV	11.65976G	46.33	54.00	-7.67	31.79	3	Horizontal	23	1.29	-	38.46	8.91	32.83
PK	17.47732G	67.99	68.20	-0.21	46.63	3	Horizontal	332	2.46	-	42.30	10.94	31.88

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

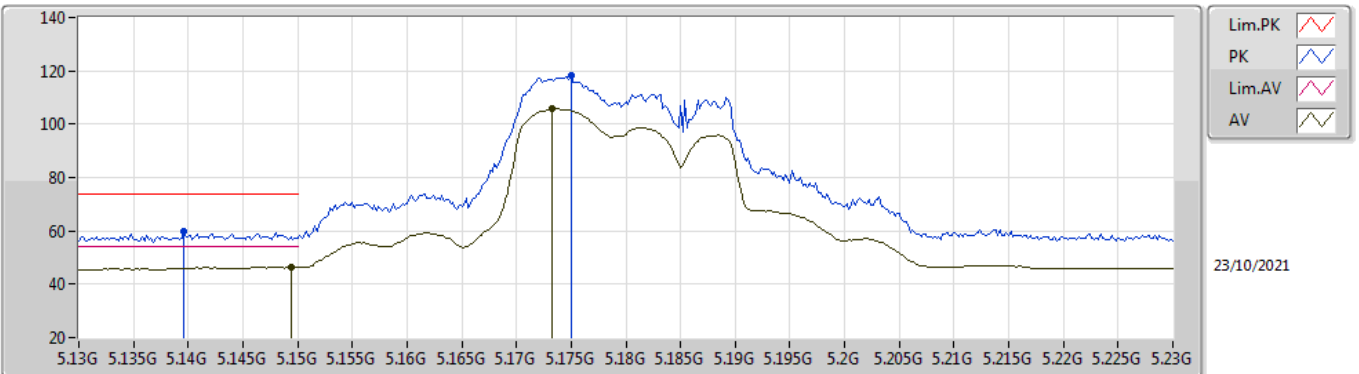


EUT Y_4TX
Setting 20.5
01-A-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1494G	66.04	74.00	-7.96	60.01	3	Vertical	188	2.88	-	32.60	6.37	32.94
AV	5.1496G	51.79	54.00	-2.21	45.76	3	Vertical	188	2.88	-	32.60	6.37	32.94
PK	5.1888G	124.20	Inf	-Inf	118.07	3	Vertical	188	2.88	-	32.68	6.39	32.94
AV	5.189G	111.95	Inf	-Inf	105.82	3	Vertical	188	2.88	-	32.68	6.39	32.94

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

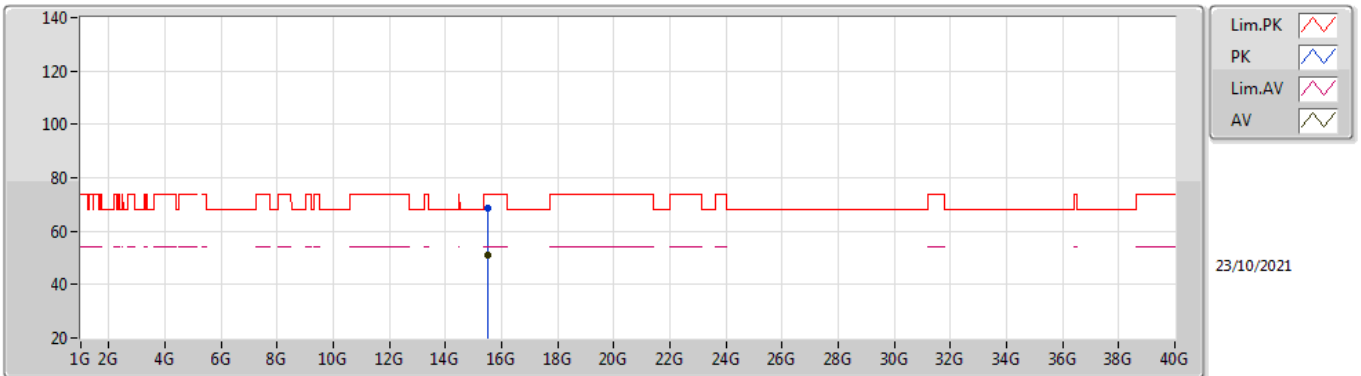


EUT Y_4TX
Setting 20.5
01-A-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1396G	59.84	74.00	-14.16	53.81	3	Horizontal	312	2.69	-	32.60	6.37	32.94	
AV	5.1494G	46.42	54.00	-7.58	40.39	3	Horizontal	312	2.69	-	32.60	6.37	32.94	
PK	5.175G	118.45	Inf	-Inf	112.35	3	Horizontal	312	2.69	-	32.65	6.39	32.94	
AV	5.1732G	105.75	Inf	-Inf	99.65	3	Horizontal	312	2.69	-	32.65	6.39	32.94	

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

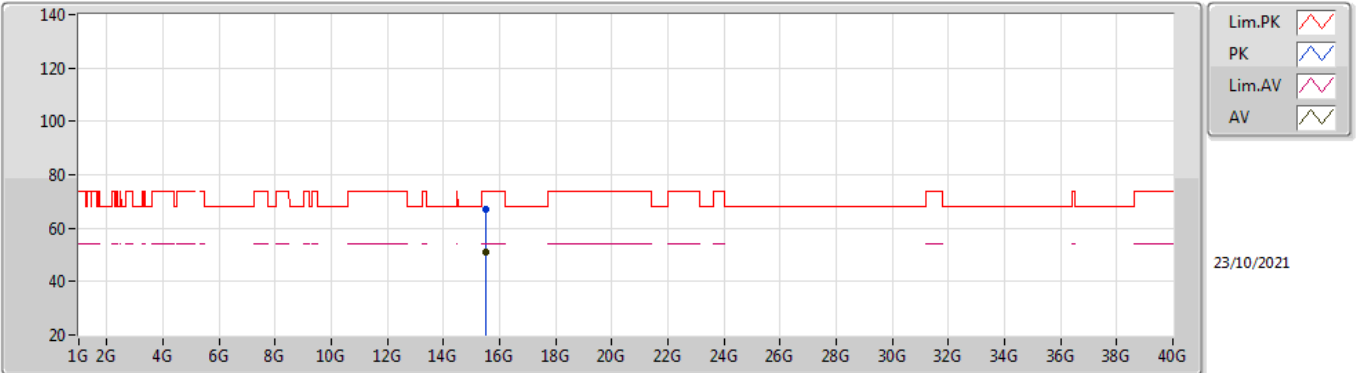


EUT Y_4TX
Setting 20.5
01-A-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.53248G	68.82	74.00	-5.18	53.11	3	Vertical	281	1.90	-	38.16	10.36	32.81
AV	15.53088G	50.98	54.00	-3.02	35.28	3	Vertical	281	1.90	-	38.16	10.36	32.82

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

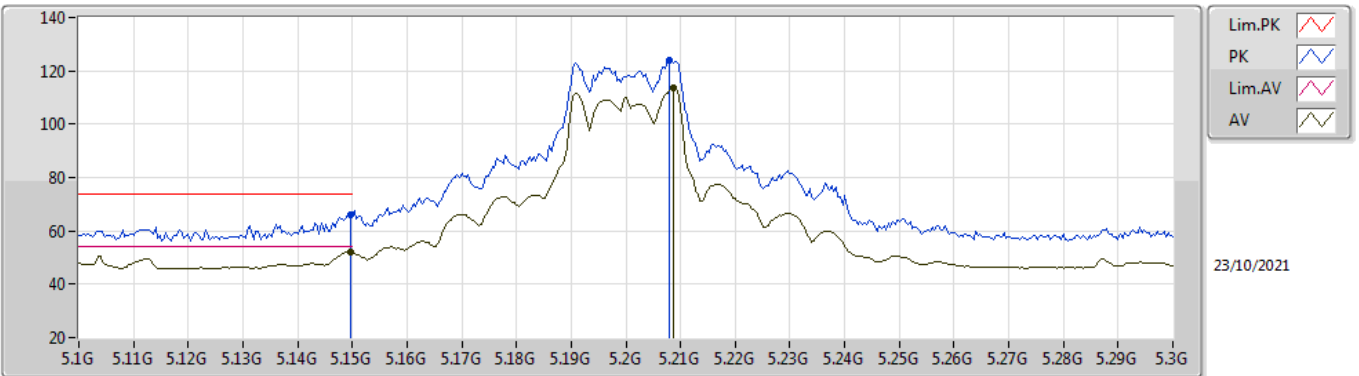


EUT Y_4TX
Setting 20.5
01-A-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.53056G	66.86	74.00	-7.14	51.16	3	Horizontal	333	1.85	-	38.16	10.36	32.82
AV	15.53168G	50.79	54.00	-3.21	35.08	3	Horizontal	333	1.85	-	38.16	10.36	32.81

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

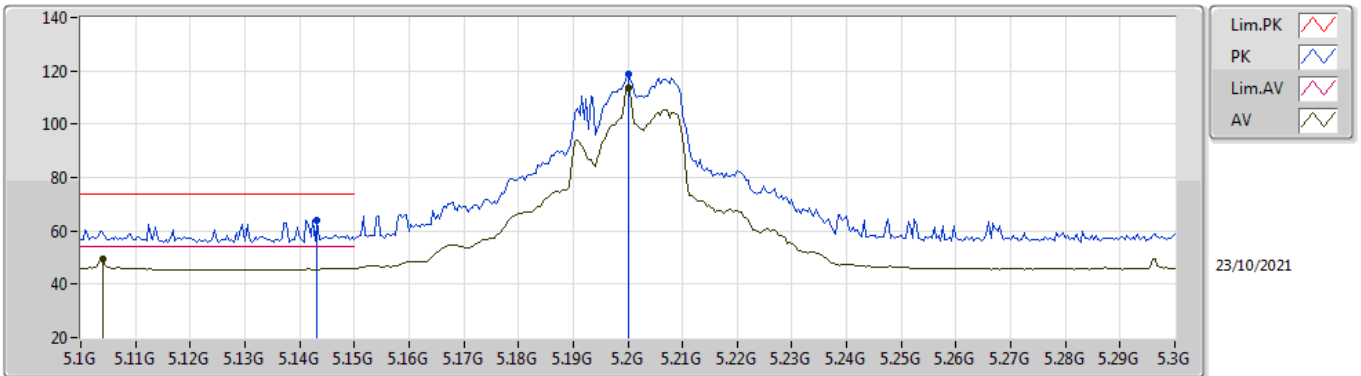


EUT_Y_4TX
Setting 21.5
01-A-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	65.96	74.00	-8.04	59.93	3	Vertical	185	2.55	-	32.60	6.37	32.94
AV	5.1496G	51.90	54.00	-2.10	45.87	3	Vertical	185	2.55	-	32.60	6.37	32.94
PK	5.208G	124.01	Inf	-Inf	117.83	3	Vertical	185	2.55	-	32.72	6.40	32.94
AV	5.2088G	113.54	Inf	-Inf	107.35	3	Vertical	185	2.55	-	32.72	6.40	32.93

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

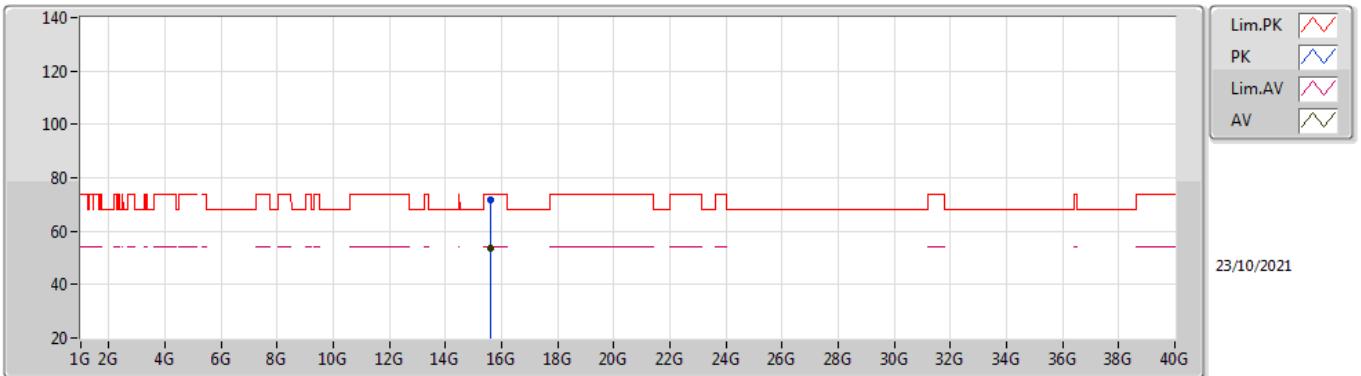


EUT Y_4TX
Setting 21.5
01-A-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1432G	64.01	74.00	-9.99	57.98	3	Horizontal	274	1.90	-	32.60	6.37	32.94	
AV	5.104G	49.59	54.00	-4.41	43.59	3	Horizontal	274	1.90	-	32.60	6.35	32.95	
PK	5.2G	118.63	Inf	-Inf	112.47	3	Horizontal	274	1.90	-	32.70	6.40	32.94	
AV	5.2G	113.54	Inf	-Inf	107.38	3	Horizontal	274	1.90	-	32.70	6.40	32.94	

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

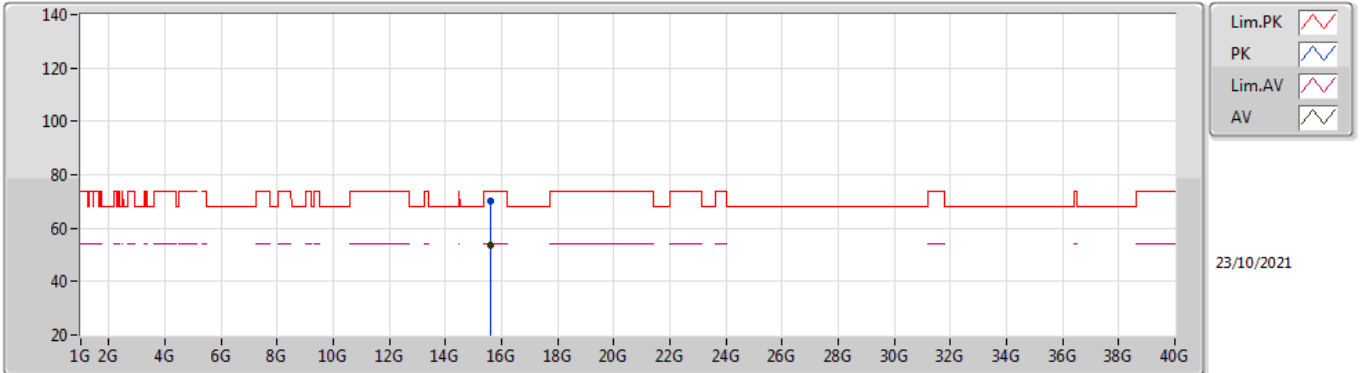


EUT Y_4TX
Setting 21.5
01-A-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.59072G	71.64	74.00	-2.36	55.79	3	Vertical	280	1.95	-	38.28	10.38	32.81
AV	15.59216G	53.65	54.00	-0.35	37.80	3	Vertical	280	1.95	-	38.28	10.38	32.81

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

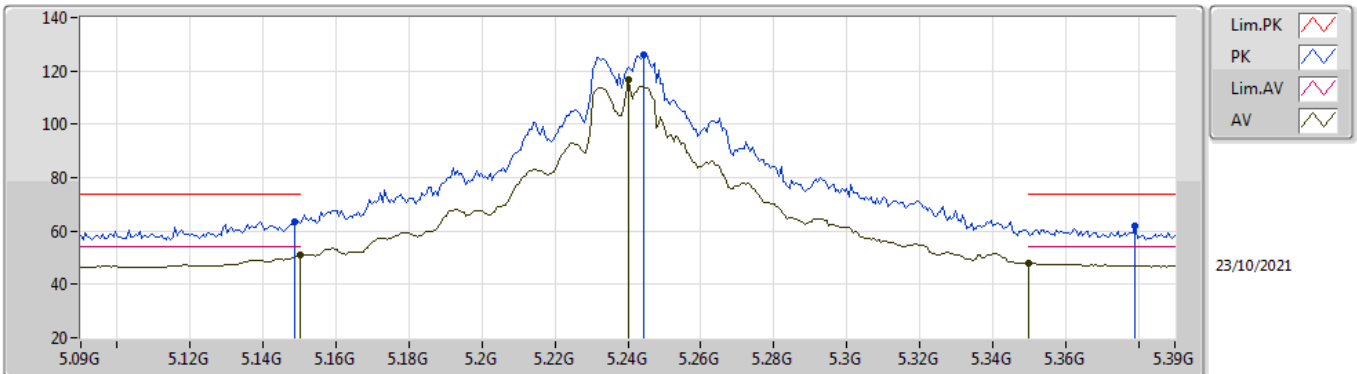


EUT Y_4TX
Setting 21.5
01-A-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.59664G	70.41	74.00	-3.59	54.54	3	Horizontal	231	1.80	-	38.29	10.38	32.80
AV	15.59744G	53.53	54.00	-0.47	37.66	3	Horizontal	231	1.80	-	38.29	10.38	32.80

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

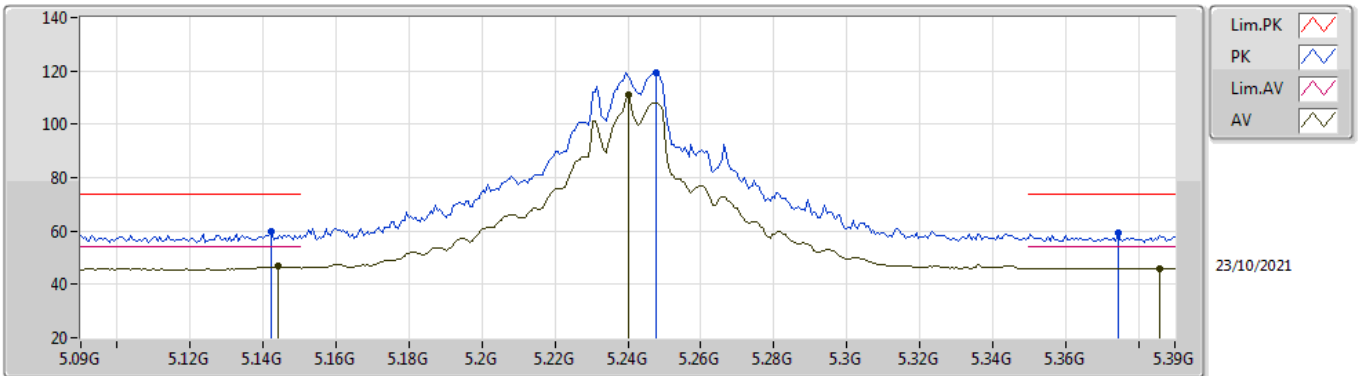


EUT Y_4TX
Setting 21
01-A-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1488G	63.58	74.00	-10.42	57.55	3	Vertical	107	1.56	-	32.60	6.37	32.94
AV	5.15G	50.82	54.00	-3.18	44.79	3	Vertical	107	1.56	-	32.60	6.37	32.94
PK	5.2442G	126.23	Inf	-Inf	119.97	3	Vertical	107	1.56	-	32.79	6.40	32.93
AV	5.24G	116.48	Inf	-Inf	110.23	3	Vertical	107	1.56	-	32.78	6.40	32.93
PK	5.3792G	61.90	74.00	-12.10	55.33	3	Vertical	107	1.56	-	33.08	6.40	32.91
AV	5.35G	48.04	54.00	-5.96	41.66	3	Vertical	107	1.56	-	32.90	6.40	32.92

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom



EUT V_4TX
Setting 21
01-A-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1422G	59.63	74.00	-14.37	53.60	3	Horizontal	275	1.84	-	32.60	6.37	32.94
AV	5.144G	46.81	54.00	-7.19	40.78	3	Horizontal	275	1.84	-	32.60	6.37	32.94
PK	5.2478G	119.34	Inf	-Inf	113.07	3	Horizontal	275	1.84	-	32.80	6.40	32.93
AV	5.24G	111.18	Inf	-Inf	104.93	3	Horizontal	275	1.84	-	32.78	6.40	32.93
PK	5.3744G	59.07	74.00	-14.93	52.54	3	Horizontal	275	1.84	-	33.05	6.40	32.92
AV	5.3858G	46.04	54.00	-7.96	39.44	3	Horizontal	275	1.84	-	33.11	6.40	32.91