

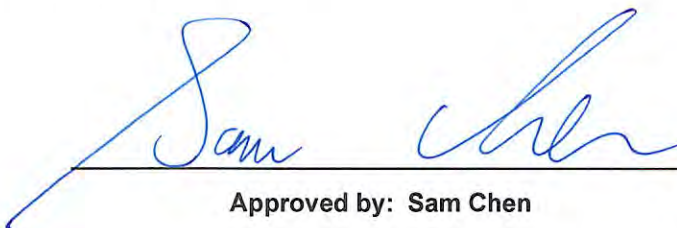


RADIO TEST REPORT

FCC ID : I88EX3510-B1
Equipment : AX5700 WiFi6 Gigabit Ethernet Gateway
Brand Name : ZYXEL, Google Fiber
Model Name : EX3510-B1, C3510XZ, GRAX110Z
Applicant : Zyxel Communications Corporation
No.2 Industry East RD. IX, Hsinchu Science Park,
Hsinchu 30075, Taiwan
Manufacturer : Zyxel Communications Corporation
No.2 Industry East RD. IX, Hsinchu Science Park,
Hsinchu 30075, Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on May 23, 2022, and testing was started from Jun. 04, 2022 and completed on Jun. 15, 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:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

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: Wendy Pan



1 General Description

1.1 Information

1.1.1 RF General Information

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



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



Band	Mode	BWch (MHz)	Nant
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
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. No. (Define by manufacturer)	Antenna Position	RF Port	Brand Name	Model Name	Ant. Type	Connector	Modes of Operation
2.4G-Ant.0	2G Ant1	1	WHAYU	65-034-000142B	PCB	none (like solder)	2.4GHz
2.4G-Ant.1	2G Ant2	2	WHAYU	65-034-000192B	PCB	none (like solder)	2.4GHz
2.4G-Ant.2	2G Ant3	3	WHAYU	65-034-000141B	PCB	none (like solder)	2.4GHz
5G-Ant.0	5G Ant1	1	WHAYU	65-034-000147B	PCB	I-PEX	5GHz UNII 1~3
5G-Ant.1	5G Ant2	2	WHAYU	65-034-000195B	PCB	I-PEX	5GHz UNII 1~3
5G-Ant.2	5G Ant3	3	WHAYU	65-034-000194B	PCB	I-PEX	5GHz UNII 1~3
5G-Ant.3	5G Ant4	4	WHAYU	65-034-000193B	PCB	I-PEX	5GHz UNII 1~3

Antenna Position	RF Port	Gain (dBi)						
		WLAN 2.4GHz			WLAN 5GHz			
		2400MHz	2450MHz	2483.5MHz	UNII 1	UNII 2A	UNII 2C	UNII 3
2G Ant1	1	3.64	3.76	3.35	-	-	-	-
2G Ant2	2				-	-	-	-
2G Ant3	3				-	-	-	-
5G Ant1	1	-	-	-	4.22	4.47	4.36	5.32
5G Ant2	2	-	-	-				
5G Ant3	3	-	-	-				
5G Ant4	4	-	-	-				
DG [1SS] (dBi)		4.98	3.84	3.1	5.59	6.52	5.51	5.95

Note1: The EUT equips seven antennas.

Note2: The above brand name, model name and type information were declared by manufacturer.

For 2.4GHz function:

For IEEE 802.11b/g/n/VHT/ax mode (3TX/3RX):

Port 1~3 can be used as transmitting/receiving antenna.

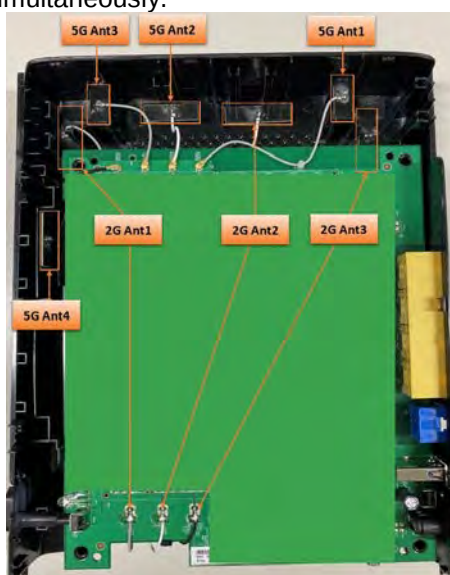
Port 1~3 could transmit/receive simultaneously.

For 5GHz function:

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

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

Port 1~4 could transmit/receive simultaneously.

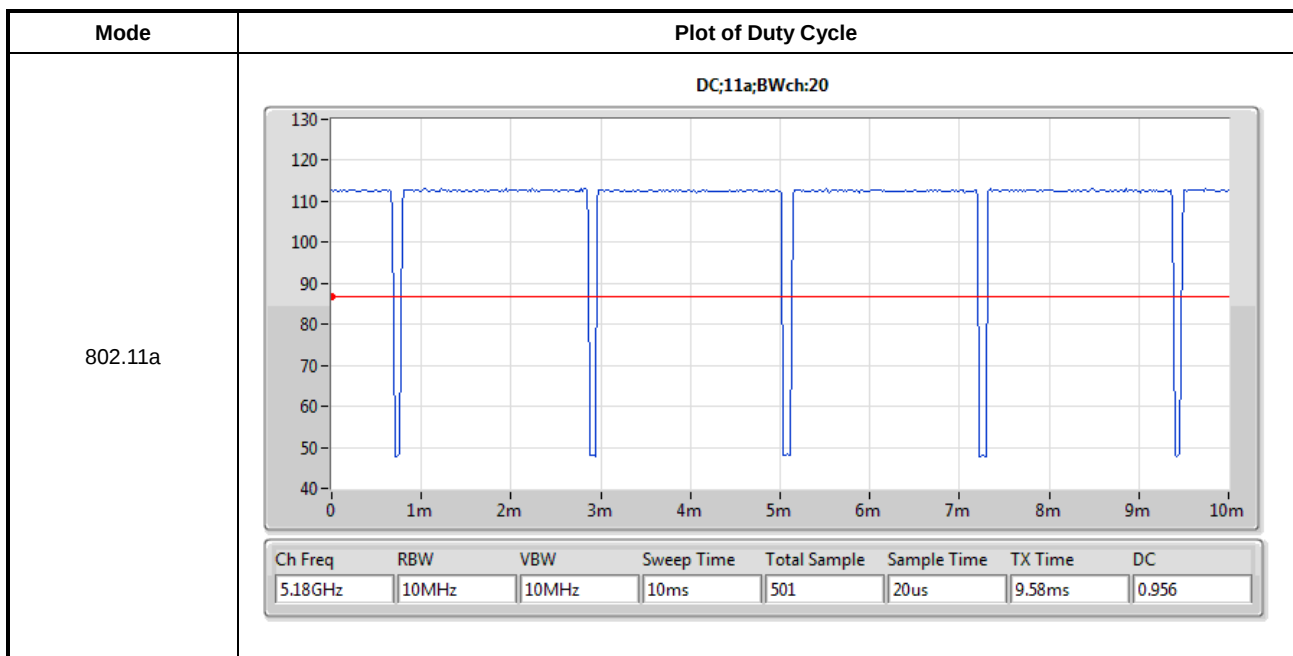


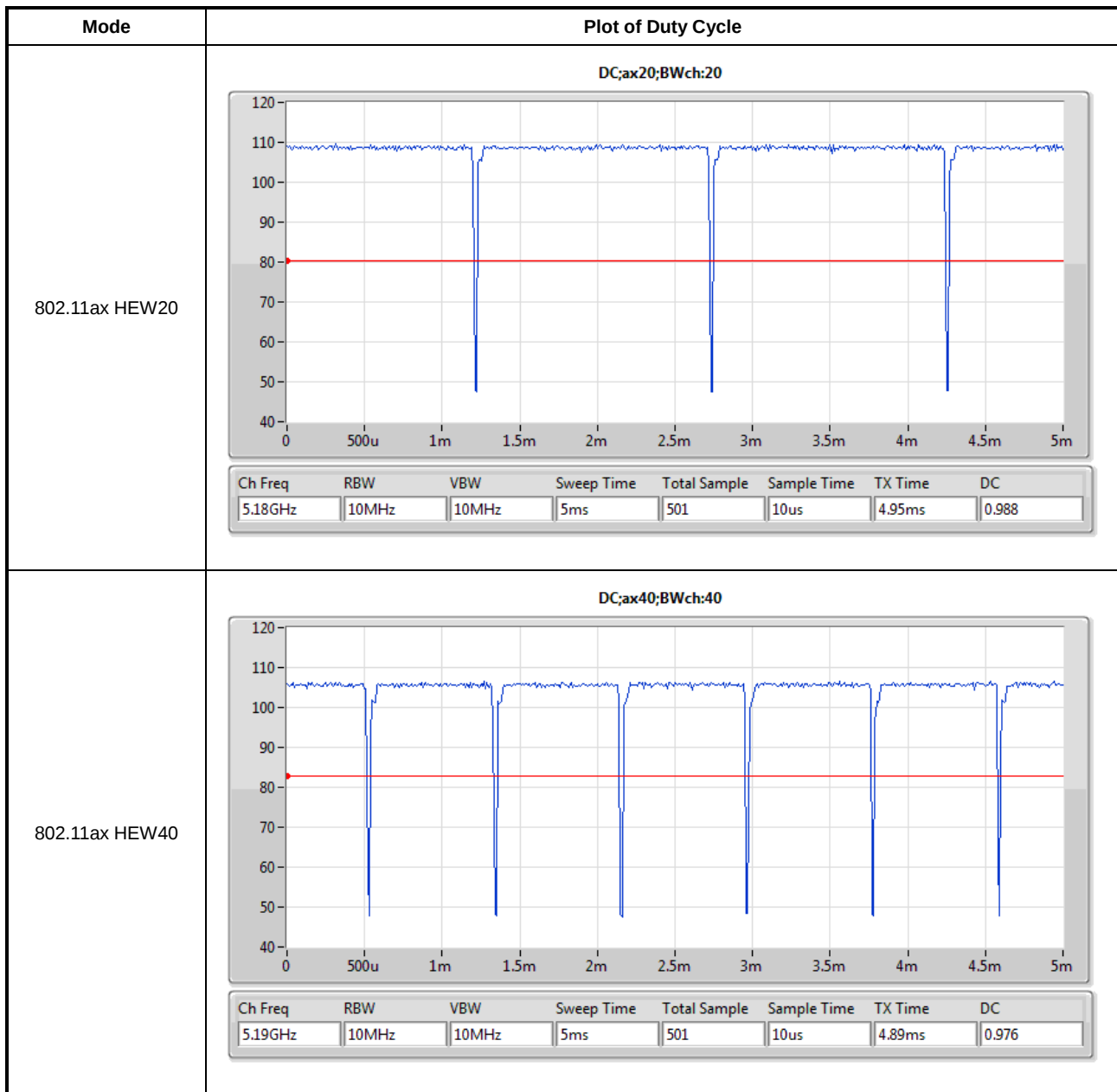
1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.956	0.2	2.1m	1k
802.11ax HEW20	0.988	0.05	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40	0.976	0.11	800u	3k
802.11ax HEW80	0.956	0.2	430u	3k
802.11ax HEW160	0.91	0.41	246u	10k

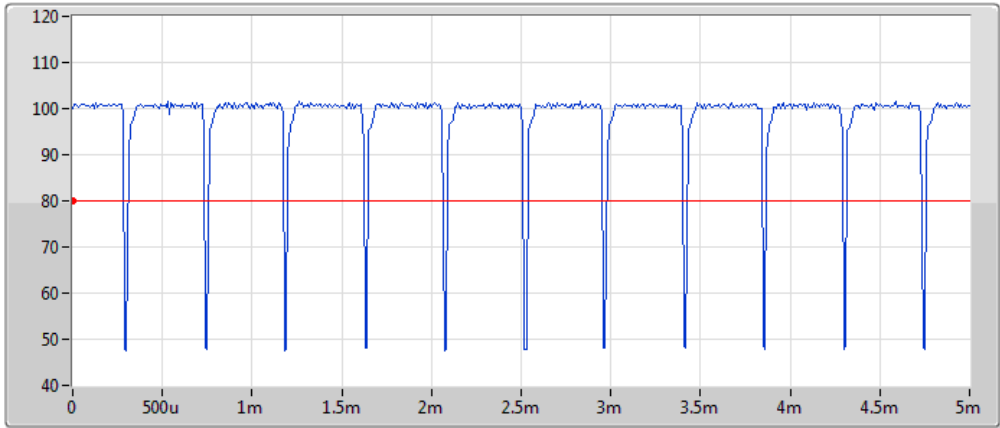
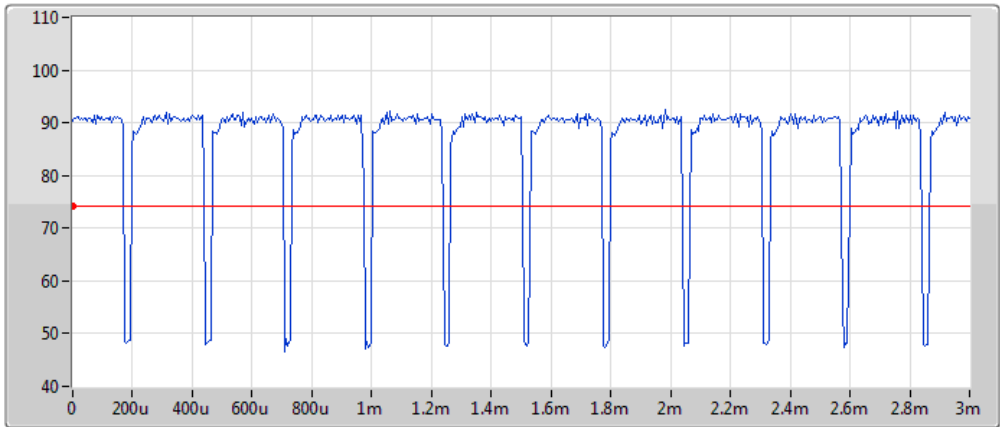
Note:

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







Mode	Plot of Duty Cycle																
802.11ax HEW80	DC;ax80;BWch:80 <table><tr><th>Ch Freq</th><th>RBW</th><th>VBW</th><th>Sweep Time</th><th>Total Sample</th><th>Sample Time</th><th>TX Time</th><th>DC</th></tr><tr><td>5.21GHz</td><td>10MHz</td><td>10MHz</td><td>5ms</td><td>501</td><td>10us</td><td>4.79ms</td><td>0.956</td></tr></table>	Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC	5.21GHz	10MHz	10MHz	5ms	501	10us	4.79ms	0.956
	Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC									
5.21GHz	10MHz	10MHz	5ms	501	10us	4.79ms	0.956										
802.11ax HEW160	DC;ax160;BWch:160 <table><tr><th>Ch Freq</th><th>RBW</th><th>VBW</th><th>Sweep Time</th><th>Total Sample</th><th>Sample Time</th><th>TX Time</th><th>DC</th></tr><tr><td>5.25GHz</td><td>10MHz</td><td>10MHz</td><td>3ms</td><td>501</td><td>6us</td><td>2.736ms</td><td>0.91</td></tr></table>	Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC	5.25GHz	10MHz	10MHz	3ms	501	6us	2.736ms	0.91
Ch Freq	RBW	VBW	Sweep Time	Total Sample	Sample Time	TX Time	DC										
5.25GHz	10MHz	10MHz	3ms	501	6us	2.736ms	0.91										

**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
	☒	Point-to-multipoint	☐	Point-to-point
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	accessMTool(version 3.2.1.5)			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	Description
ZYXEL	EX3510-B1, C3510XZ	All the models are identical, the difference model for difference brand served as marketing strategy.
Google Fiber	GRAX110Z	

Note 1: From the above models, model: EX3510-B1 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.



1.2 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 ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Owen Hsu	23.4-23.9 / 56-59	Jun. 08, 2022
Radiated<1GHz	03CH05-CB	Stim Sung	24.5-25.6 / 56-59	Jun. 04, 2022~ Jun. 15, 2022
Radiated>1GHz	03CH02-CB	Stim Sung	24.2-26.1 / 55-58	Jun. 04, 2022~ Jun. 15, 2022
AC Conduction	CO01-CB	Bob Chang	21~22 / 53~54	Jun. 08, 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)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	91
5200MHz	94
5240MHz	93
5260MHz	65
5300MHz	65
5320MHz	65
5500MHz	66
5580MHz	66
5700MHz	66
5720MHz Straddle 5.47-5.725GHz	66
5720MHz Straddle 5.725-5.85GHz	66
5745MHz	95
5785MHz	95
5825MHz	95
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	82
5200MHz	94
5240MHz	95
5260MHz	66
5300MHz	66
5320MHz	66
5500MHz	67
5580MHz	67
5700MHz	66
5720MHz Straddle 5.47-5.725GHz	66
5720MHz Straddle 5.725-5.85GHz	66
5745MHz	94
5785MHz	94
5825MHz	94
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	69
5230MHz	90
5270MHz	68
5310MHz	69
5510MHz	68



Mode	Power Setting
5550MHz	68
5670MHz	77
5710MHz Straddle 5.47-5.725GHz	67
5710MHz Straddle 5.725-5.85GHz	67
5755MHz	94
5795MHz	94
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	68
5290MHz	68
5530MHz	68
5610MHz	69
5690MHz Straddle 5.47-5.725GHz	66
5690MHz Straddle 5.725-5.85GHz	66
5775MHz	85
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	64
5250MHz Straddle 5.25-5.35GHz	64
5570MHz	66
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	82
5200MHz	94
5240MHz	95
5260MHz	66
5300MHz	66
5320MHz	66
5500MHz	67
5580MHz	67
5700MHz	66
5720MHz Straddle 5.47-5.725GHz	66
5720MHz Straddle 5.725-5.85GHz	66
5745MHz	94
5785MHz	94
5825MHz	94
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	69
5230MHz	90
5270MHz	65
5310MHz	66
5510MHz	68
5550MHz	68



Mode	Power Setting
5670MHz	77
5710MHz Straddle 5.47-5.725GHz	67
5710MHz Straddle 5.725-5.85GHz	67
5755MHz	94
5795MHz	94
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	68
5290MHz	67
5530MHz	68
5610MHz	69
5690MHz Straddle 5.47-5.725GHz	66
5690MHz Straddle 5.725-5.85GHz	66
5775MHz	85
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	64
5250MHz Straddle 5.25-5.35GHz	64
5570MHz	66

Note:

- ♦ The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.
- ♦ Evaluated HEW20/HEW40/HEW80/HEW160 mode only due to the 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	CTX
1	CTX 2.4GHz + Ethernet cable, Color: Yellow
2	CTX 5GHz + Ethernet cable, Color: Yellow
For operating mode 2 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
	1. The EUT was performed at X axis, Y axis and Z axis position for Unwanted Emissions above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
	2. The EUT equipped with RJ-45 cable (color: blue or yellow) was performed for the testing, and the worst case was found as RJ-45 cable (color: yellow). So the measurement will follow this same test configuration.
1	EUT in Y axis CTX 2.4GHz + Ethernet cable, Color: Yellow
2	EUT in Y axis CTX 5GHz + Ethernet cable, Color: Yellow
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 X axis, Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis



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.: FA252023 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	MNC	MAUS-1202503000	INPUT: 100-240V ~ 50/60Hz, 0.8A OUTPU: 12V, 2.5A
Others			
Ethernet cable*1: Non-shielded, 1m, Color: Blue Ethernet cable*1: Non-shielded, 1.8m, Color: Yellow Note: Only one ethernet cable will be selected for market.			

2.5 Support Equipment

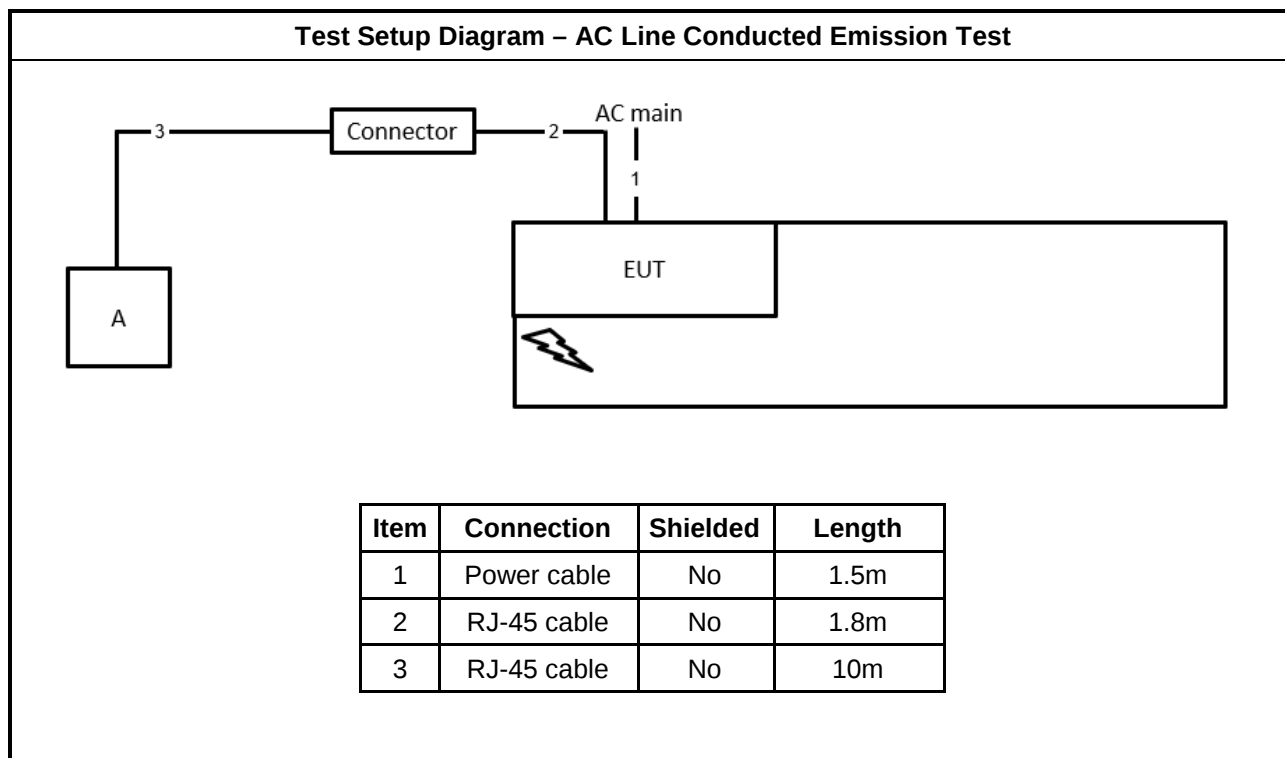
For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WAN NB	DELL	E6430	N/A

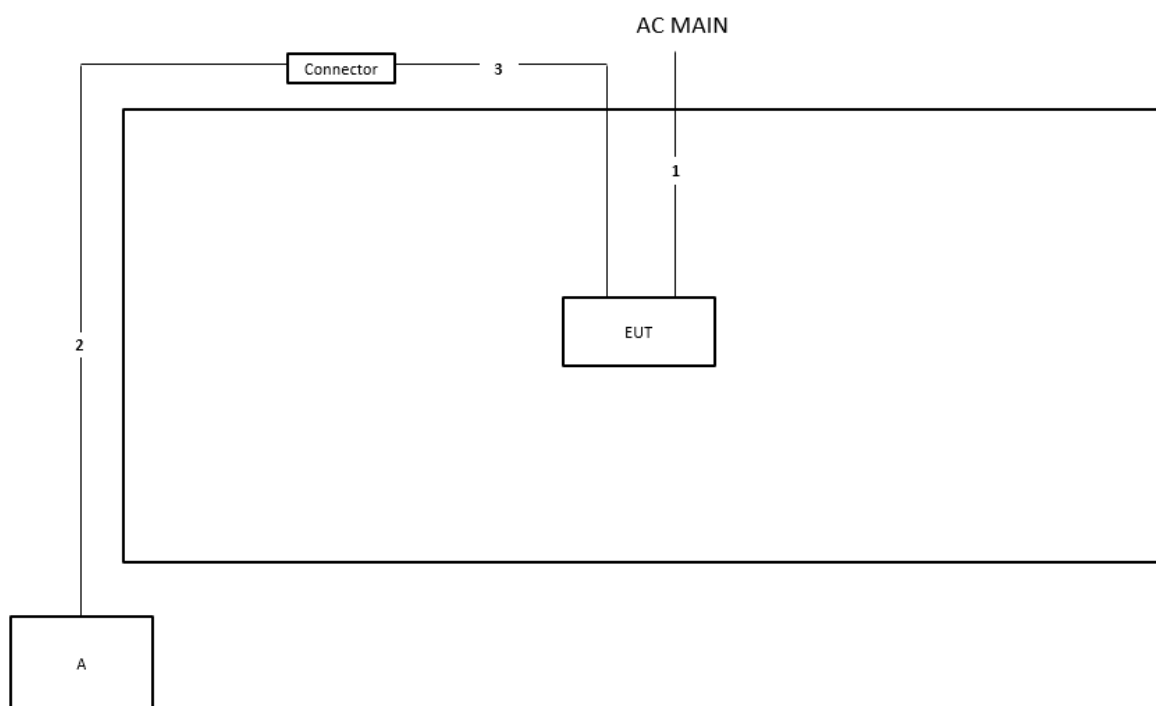
For RF Conducted and Radiated:

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

2.6 Test Setup Diagram

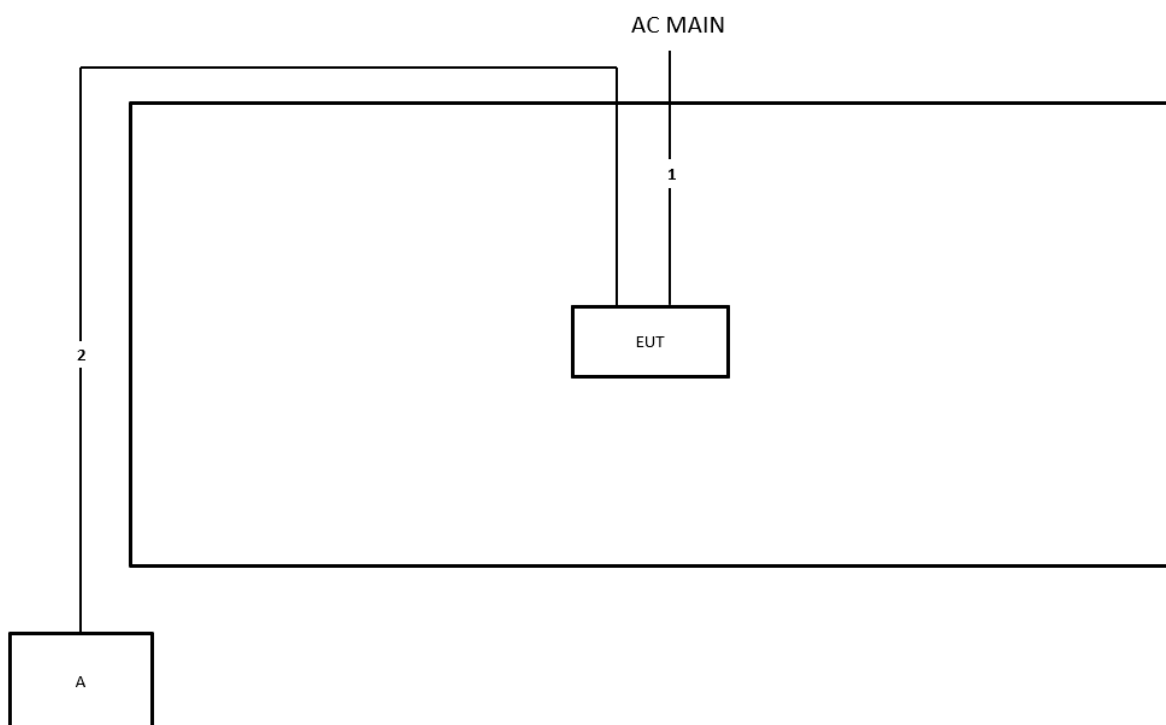


Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.8m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
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.

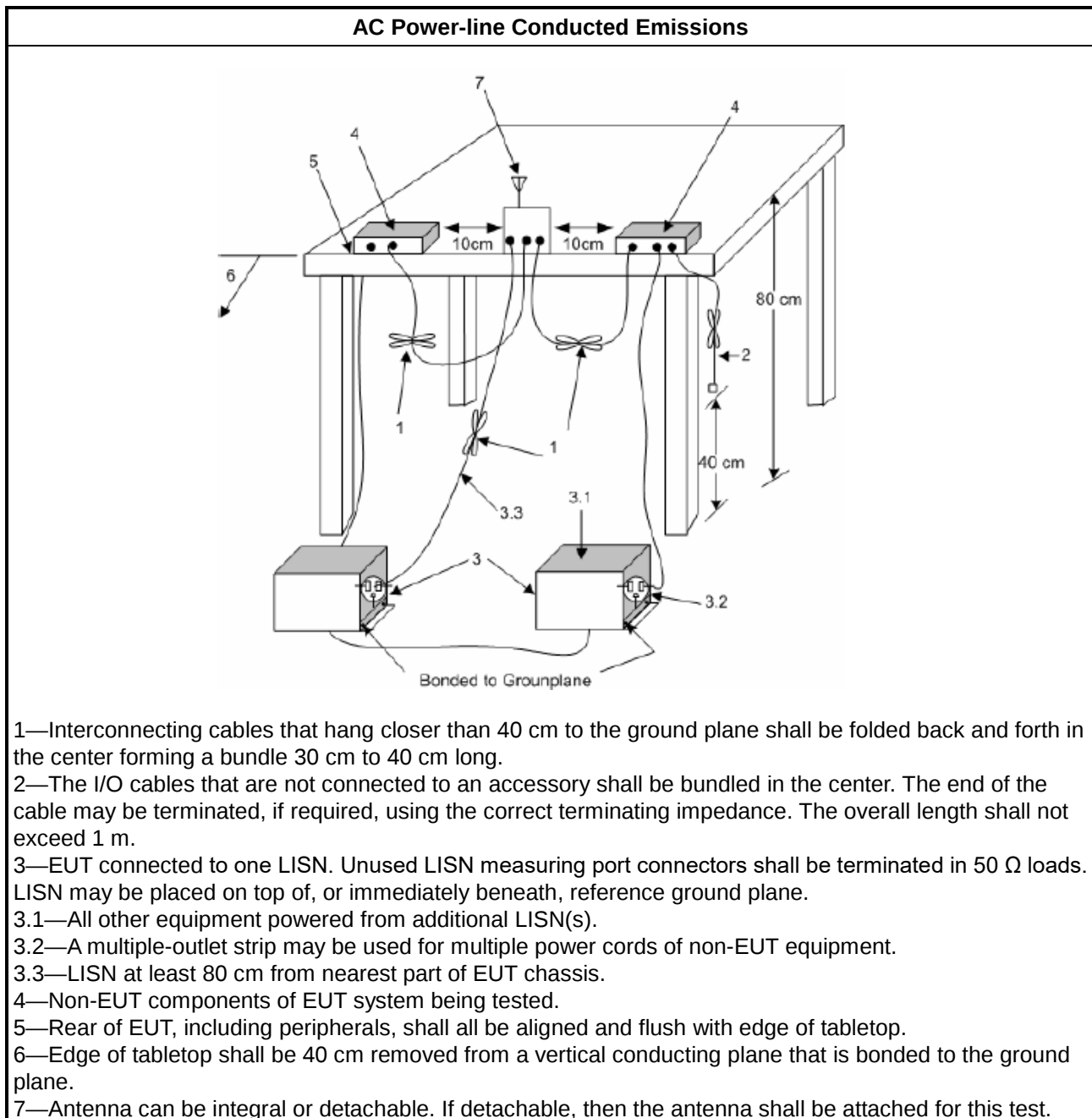
3.1.2 Measuring Instruments

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:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A



3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth $\geq 500\text{kHz}$.
☐	For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth $\geq 500\text{kHz}$.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq 500\text{kHz}$.

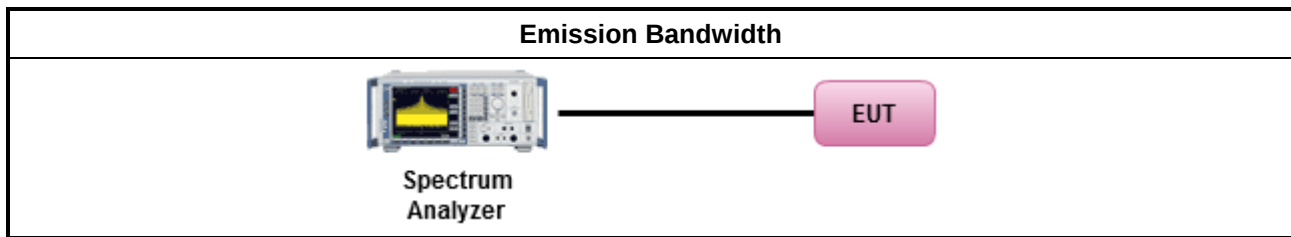
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Output Power

3.3.1 Limit

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

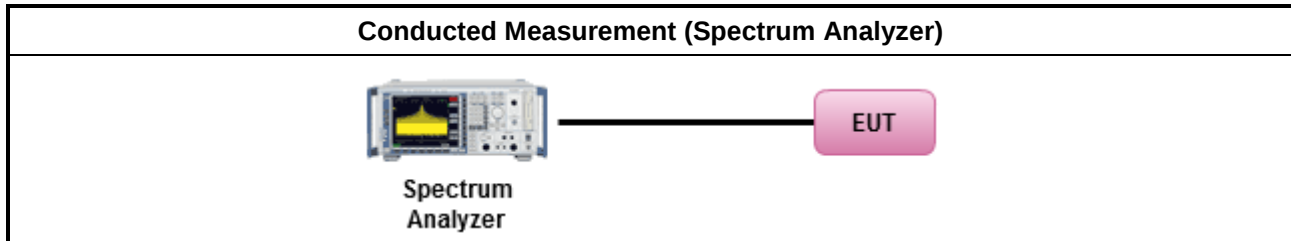
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

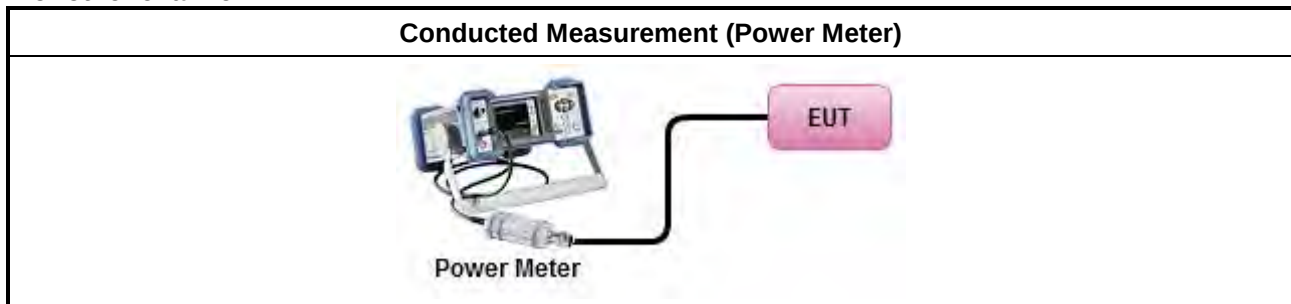
Test Method	
	Average over on/off periods with duty factor
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty 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 other 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 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output	



power shall be used to determine the power spectral density. And power spectral density in dBm/MHz
 G_{TX} = the maximum transmitting antenna directional gain in dBi.

3.4.2 Measuring Instruments

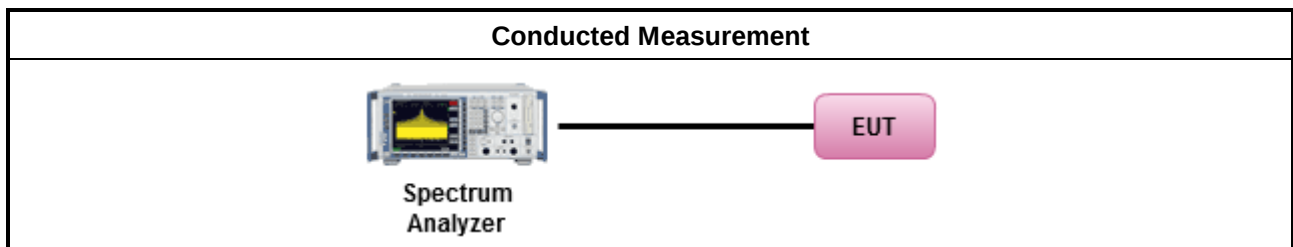
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

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

Test Method	
	$EIRP_{total} = PPSD_{total} + DG$
☐	For radiated measurement.
	Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

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

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

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



Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
☒ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
☐ 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

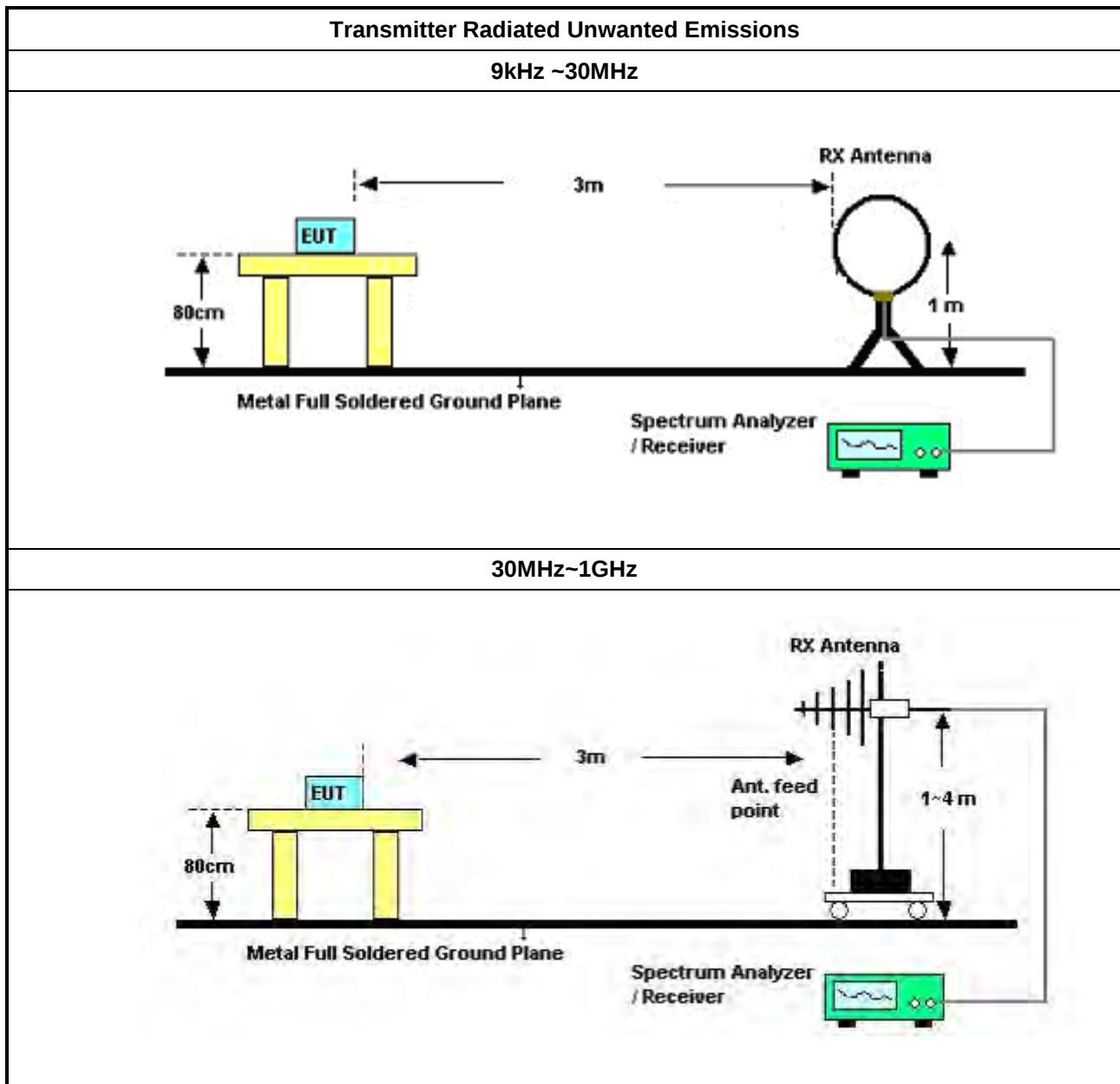
Refer a test equipment and calibration data table in this test report.

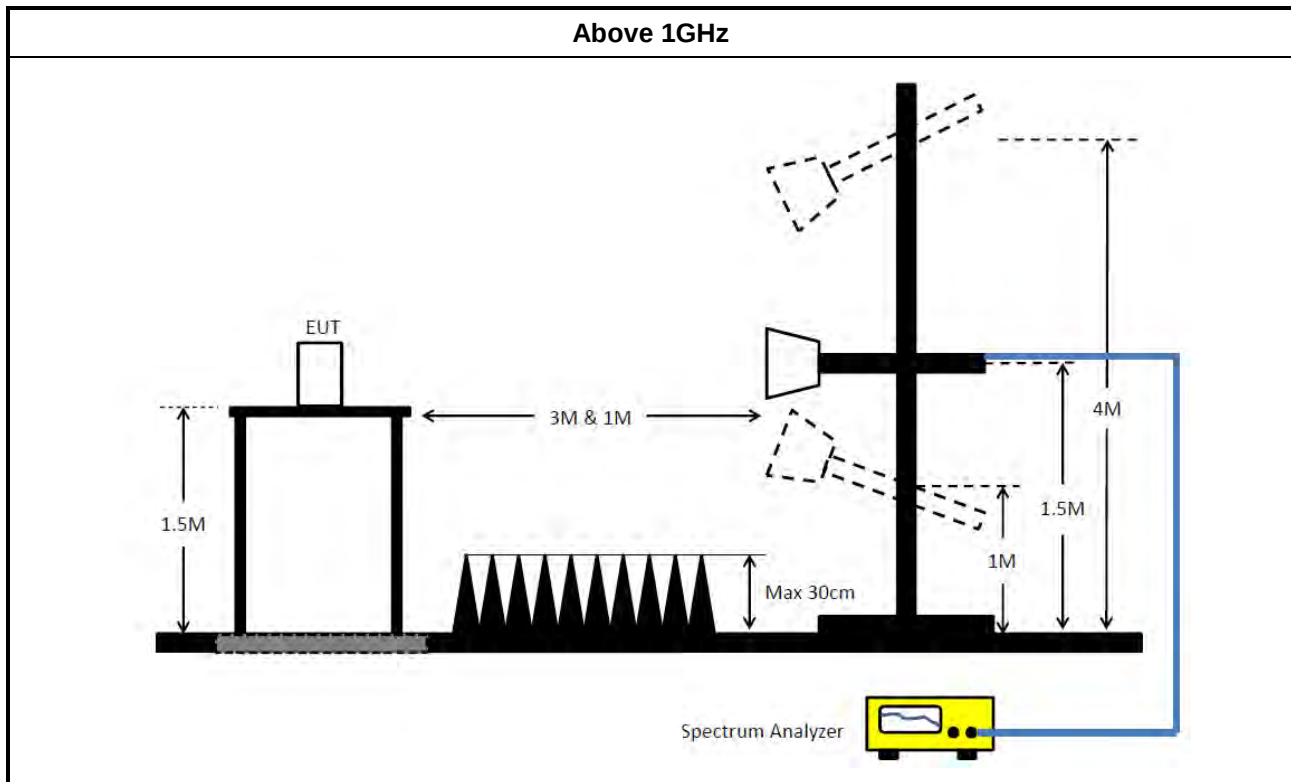


3.5.3 Test Procedures

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	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 18, 2022	May 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	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)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	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-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 25, 2021	Oct. 24, 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)
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)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2022	May 26, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 21, 2022	Feb. 20, 2023	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 21, 2022	Feb. 20, 2023	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

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



Conducted Emissions at Powerline

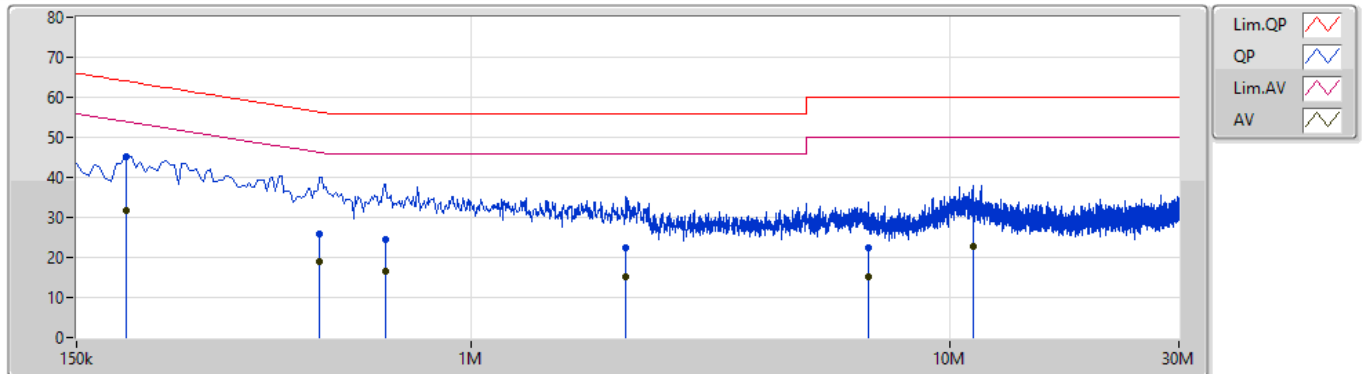
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	361.5k	37.55	48.70	-11.15	Neutral

Mode 2

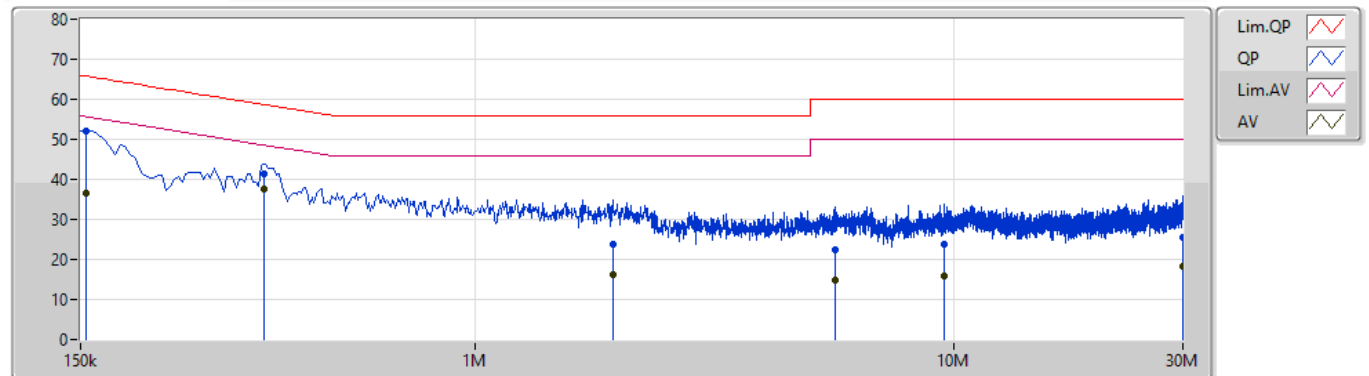
22/06/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	190.5k	45.06	64.01	-18.95	9.99	Line	"Worst"	35.07	0.06	0.04	9.89			
AV	190.5k	31.76	54.01	-22.25	9.99	Line	-	21.77	0.06	0.04	9.89			
QP	483k	25.95	56.29	-30.34	10.01	Line	-	15.94	0.06	0.06	9.89			
AV	483k	18.84	46.29	-27.45	10.01	Line	-	8.83	0.06	0.06	9.89			
QP	663k	24.42	56.00	-31.58	10.01	Line	-	14.41	0.07	0.05	9.89			
AV	663k	16.72	46.00	-29.28	10.01	Line	-	6.71	0.07	0.05	9.89			
QP	2.103M	22.28	56.00	-33.72	10.07	Line	-	12.21	0.09	0.09	9.89			
AV	2.103M	15.19	46.00	-30.81	10.07	Line	-	5.12	0.09	0.09	9.89			
QP	6.743M	22.52	60.00	-37.48	10.21	Line	-	12.31	0.18	0.13	9.90			
AV	6.743M	15.16	50.00	-34.84	10.21	Line	-	4.95	0.18	0.13	9.90			
QP	11.139M	30.94	60.00	-29.06	10.31	Line	-	20.63	0.23	0.16	9.92			
AV	11.139M	22.88	50.00	-27.12	10.31	Line	-	12.57	0.23	0.16	9.92			

Mode 2

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Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	154.5k	51.92	65.75	-13.83	10.00	Neutral	-	41.92	0.07	0.04	9.89			
AV	154.5k	36.49	55.75	-19.26	10.00	Neutral	-	26.49	0.07	0.04	9.89			
QP	361.5k	41.23	58.70	-17.47	10.02	Neutral	-	31.21	0.07	0.06	9.89			
AV	361.5k	37.55	48.70	-11.15	10.02	Neutral	"Worst"	27.53	0.07	0.06	9.89			
QP	1.941M	23.75	56.00	-32.25	10.08	Neutral	-	13.67	0.10	0.09	9.89			
AV	1.941M	16.30	46.00	-29.70	10.08	Neutral	-	6.22	0.10	0.09	9.89			
QP	5.64M	22.58	60.00	-37.42	10.19	Neutral	-	12.39	0.17	0.12	9.90			
AV	5.64M	14.76	50.00	-35.24	10.19	Neutral	-	4.57	0.17	0.12	9.90			
QP	9.542M	23.82	60.00	-36.18	10.30	Neutral	-	13.52	0.23	0.16	9.91			
AV	9.542M	15.98	50.00	-34.02	10.30	Neutral	-	5.68	0.23	0.16	9.91			
QP	29.994M	25.43	60.00	-34.57	10.67	Neutral	-	14.76	0.31	0.34	10.02			
AV	29.994M	18.36	50.00	-31.64	10.67	Neutral	-	7.69	0.31	0.34	10.02			

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	40.86M	22.729M	22M7D1D	23.79M	17.121M
802.11ax HEW20_Nss1,(MCS0)_4TX	39.15M	19.52M	19M5D1D	21.42M	19.13M
802.11ax HEW40_Nss1,(MCS0)_4TX	53.4M	38.321M	38M3D1D	40.44M	37.841M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.92M	77.721M	77M7D1D	81.6M	77.481M
802.11ax HEW160_Nss1,(MCS0)_4TX	83.04M	78.441M	78M4D1D	82.32M	78.281M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.75M	17.151M	17M2D1D	21.24M	16.912M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.9M	19.19M	19M2D1D	21.48M	19.07M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.74M	38.081M	38M1D1D	40.2M	37.781M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.68M	77.841M	77M8D1D	81.36M	77.481M
802.11ax HEW160_Nss1,(MCS0)_4TX	82.88M	78.441M	78M4D1D	82.32M	78.281M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.75M	17.181M	17M2D1D	15.645M	13.553M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.84M	19.19M	19M2D1D	15.735M	14.633M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.8M	38.021M	38M0D1D	35.315M	33.898M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.56M	77.841M	77M8D1D	75.975M	73.538M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.36M	156.882M	157MD1D	164.16M	156.162M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.5M	21.379M	21M4D1D	3.1M	4.138M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.96M	20.9M	20M9D1D	4.4M	4.598M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.92M	43.778M	43M8D1D	3.76M	4.078M
802.11ax HEW80_Nss1,(MCS0)_4TX	77.64M	78.201M	78M2D1D	3.76M	4.098M

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

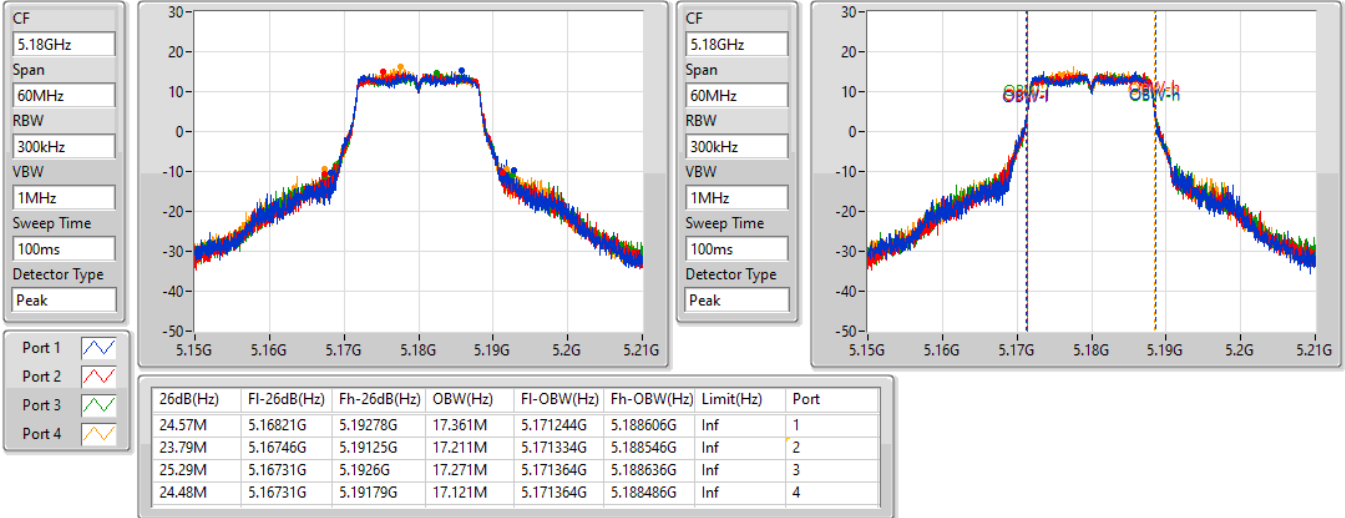
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	24.57M	17.361M	23.79M	17.211M	25.29M	17.271M	24.48M	17.121M
5200MHz	Pass	Inf	40.86M	20.03M	38.94M	19.55M	39.93M	20.9M	40.11M	22.729M
5240MHz	Pass	Inf	33.36M	17.481M	25.74M	17.301M	29.49M	17.481M	33.66M	17.601M
5260MHz	Pass	Inf	21.6M	17.151M	21.75M	17.031M	21.63M	17.061M	21.24M	16.912M
5300MHz	Pass	Inf	21.63M	17.151M	21.54M	17.031M	21.51M	17.031M	21.33M	17.001M
5320MHz	Pass	Inf	21.75M	17.121M	21.75M	17.031M	21.42M	17.031M	21.36M	17.061M
5500MHz	Pass	Inf	21.51M	17.091M	21.57M	17.121M	21.27M	16.822M	21.45M	17.091M
5580MHz	Pass	Inf	21.66M	17.151M	21.72M	17.181M	21.3M	16.822M	21.18M	17.001M
5700MHz	Pass	Inf	21.75M	17.091M	21.66M	17.091M	21.66M	16.972M	21.51M	16.912M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.69M	13.688M	15.795M	13.673M	15.72M	13.553M	15.645M	13.553M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	4.198M	3.1M	4.218M	3.12M	4.178M	3.1M	4.138M
5745MHz	Pass	500k	16.44M	17.931M	16.32M	17.751M	16.35M	19.4M	16.29M	18.021M
5785MHz	Pass	500k	16.5M	17.841M	16.32M	17.691M	16.29M	20.18M	16.32M	18.231M
5825MHz	Pass	500k	16.32M	17.991M	16.08M	17.661M	16.32M	21.379M	16.32M	18.171M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.69M	19.13M	21.78M	19.19M	21.84M	19.16M	21.42M	19.13M
5200MHz	Pass	Inf	28.86M	19.25M	29.43M	19.25M	36M	19.28M	36.3M	19.34M
5240MHz	Pass	Inf	33.54M	19.28M	29.52M	19.31M	35.82M	19.34M	39.15M	19.52M
5260MHz	Pass	Inf	21.54M	19.07M	21.69M	19.13M	21.78M	19.19M	21.48M	19.13M
5300MHz	Pass	Inf	21.66M	19.07M	21.72M	19.16M	21.66M	19.16M	21.72M	19.1M
5320MHz	Pass	Inf	21.66M	19.07M	21.54M	19.1M	21.9M	19.07M	21.66M	19.1M
5500MHz	Pass	Inf	21.72M	19.19M	21.69M	19.1M	21.81M	19.1M	21.84M	19.04M
5580MHz	Pass	Inf	21.78M	19.1M	21.72M	19.07M	21.57M	19.13M	21.6M	19.1M
5700MHz	Pass	Inf	21.78M	19.13M	21.69M	19.1M	21.63M	19.1M	21.72M	19.13M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.81M	14.633M	15.735M	14.633M	15.885M	14.633M	15.855M	14.648M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.658M	4.42M	4.598M	4.4M	4.658M	4.42M	4.638M
5745MHz	Pass	500k	18.93M	19.37M	18.81M	19.31M	18.87M	19.88M	18.75M	19.55M
5785MHz	Pass	500k	18.9M	19.37M	18.78M	19.37M	18.84M	20.09M	18.72M	19.61M
5825MHz	Pass	500k	18.96M	19.43M	18.72M	19.31M	18.75M	20.9M	18.96M	19.58M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.68M	38.021M	40.44M	37.961M	40.68M	37.961M	40.44M	37.841M
5230MHz	Pass	Inf	53.4M	38.201M	40.62M	38.141M	51.48M	38.261M	51.78M	38.321M
5270MHz	Pass	Inf	40.56M	37.901M	40.2M	37.961M	40.74M	38.081M	40.38M	38.021M
5310MHz	Pass	Inf	40.74M	37.781M	40.44M	37.841M	40.62M	38.081M	40.38M	37.961M
5510MHz	Pass	Inf	40.8M	37.961M	40.62M	38.021M	40.32M	37.901M	40.38M	38.021M
5550MHz	Pass	Inf	40.56M	37.961M	40.26M	37.961M	40.38M	37.901M	40.74M	38.021M
5670MHz	Pass	Inf	40.5M	38.021M	40.74M	37.901M	40.32M	37.841M	40.68M	37.961M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.35M	33.898M	35.35M	33.933M	35.385M	33.898M	35.315M	33.898M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.92M	4.098M	3.82M	4.098M	3.78M	4.078M	3.76M	4.078M
5755MHz	Pass	500k	37.92M	38.621M	37.14M	38.381M	37.56M	39.88M	36.96M	39.04M
5795MHz	Pass	500k	37.8M	38.561M	36.84M	38.441M	37.62M	43.778M	37.02M	39.64M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.92M	77.601M	81.6M	77.481M	81.84M	77.721M	81.72M	77.601M
5290MHz	Pass	Inf	82.68M	77.481M	81.36M	77.601M	81.96M	77.601M	82.08M	77.841M
5530MHz	Pass	Inf	81.84M	77.601M	82.08M	77.721M	81.72M	77.481M	81.84M	77.841M
5610MHz	Pass	Inf	82.56M	77.601M	81.72M	77.481M	81.84M	77.361M	82.08M	77.721M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.2M	73.538M	75.975M	73.613M	76.425M	73.538M	75.975M	73.613M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.9M	4.138M	3.76M	4.098M	3.86M	4.118M	3.86M	4.118M
5775MHz	Pass	500k	77.52M	78.081M	77.4M	77.961M	77.4M	78.201M	77.64M	78.201M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	83.04M	78.361M	82.48M	78.281M	82.48M	78.441M	82.32M	78.361M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.56M	78.281M	82.88M	78.361M	82.32M	78.441M	82.48M	78.281M
5570MHz	Pass	Inf	165.12M	156.882M	165.36M	156.642M	164.16M	156.162M	164.88M	156.642M



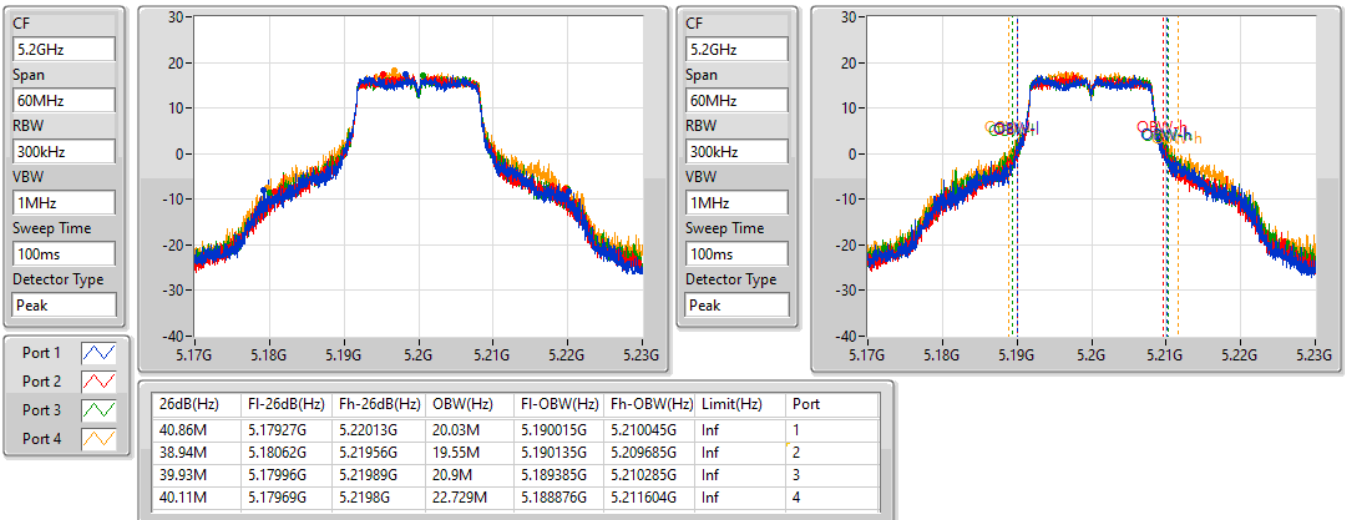
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX
EBW
5180MHz

08/06/2022

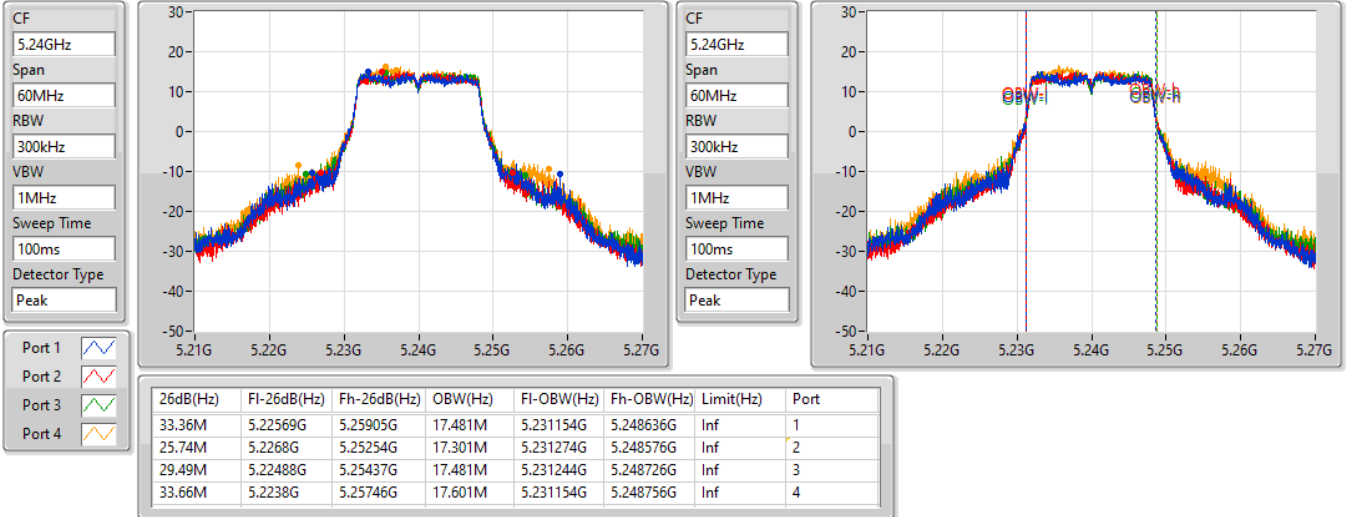

802.11a_Nss1,(6Mbps)_4TX
EBW
5200MHz

08/06/2022

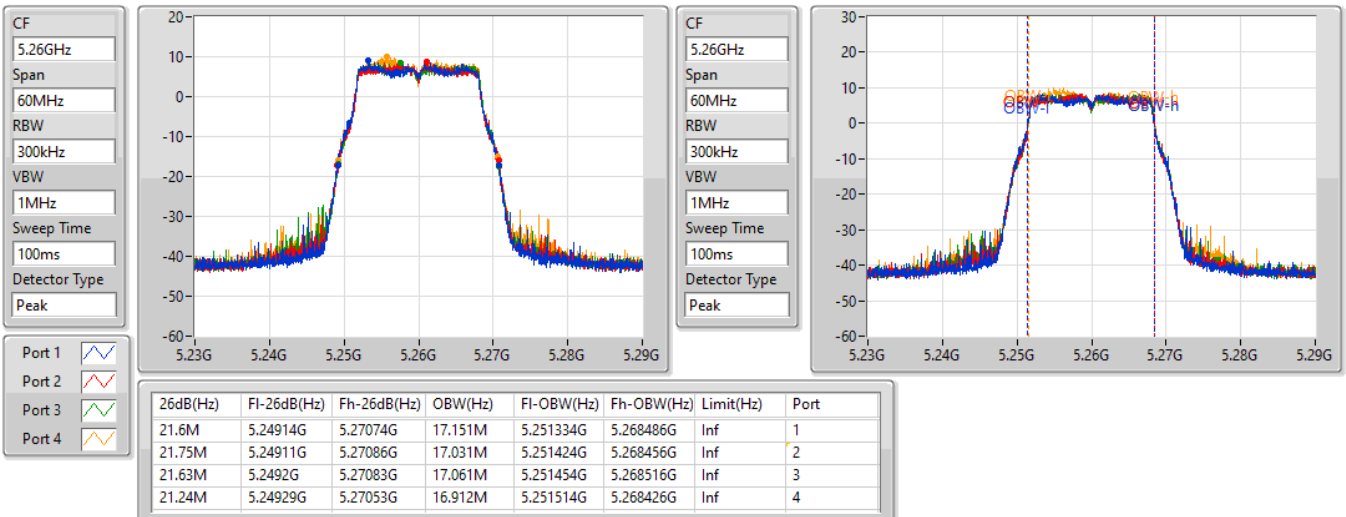


802.11a_Nss1,(6Mbps)_4TX
EBW
5240MHz

08/06/2022

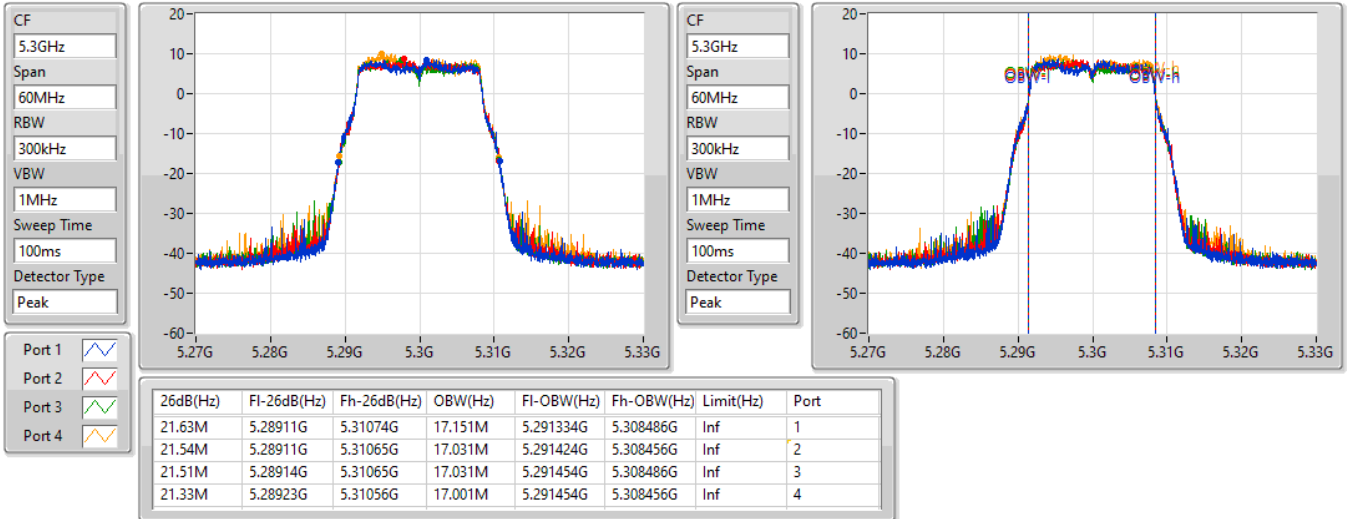

802.11a_Nss1,(6Mbps)_4TX
EBW
5260MHz

08/06/2022

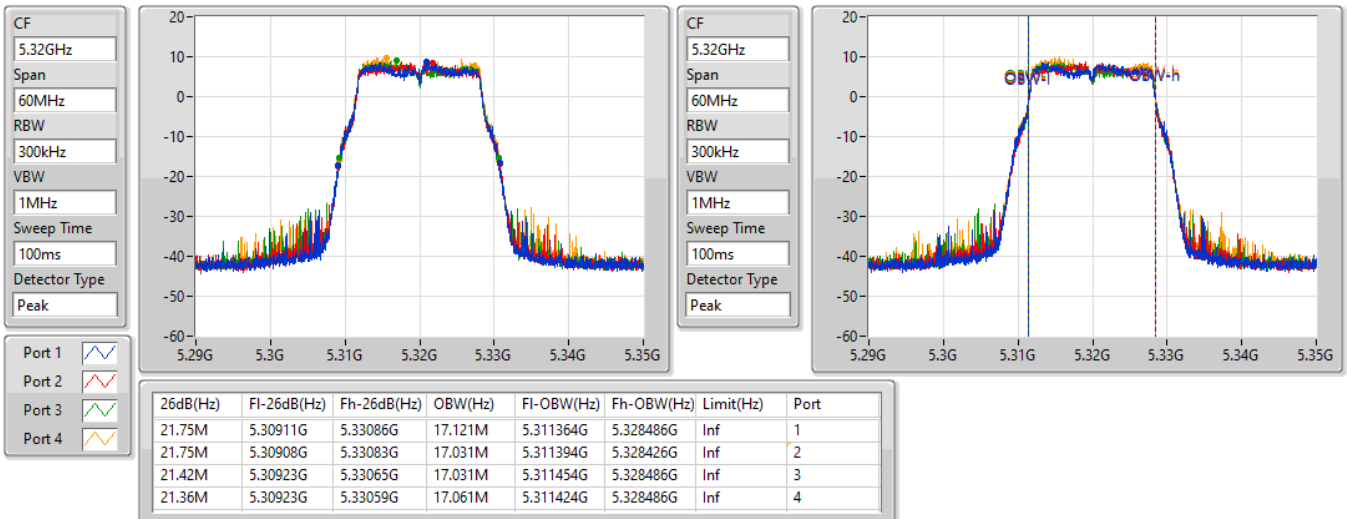


802.11a_Nss1,(6Mbps)_4TX
EBW
5300MHz

08/06/2022

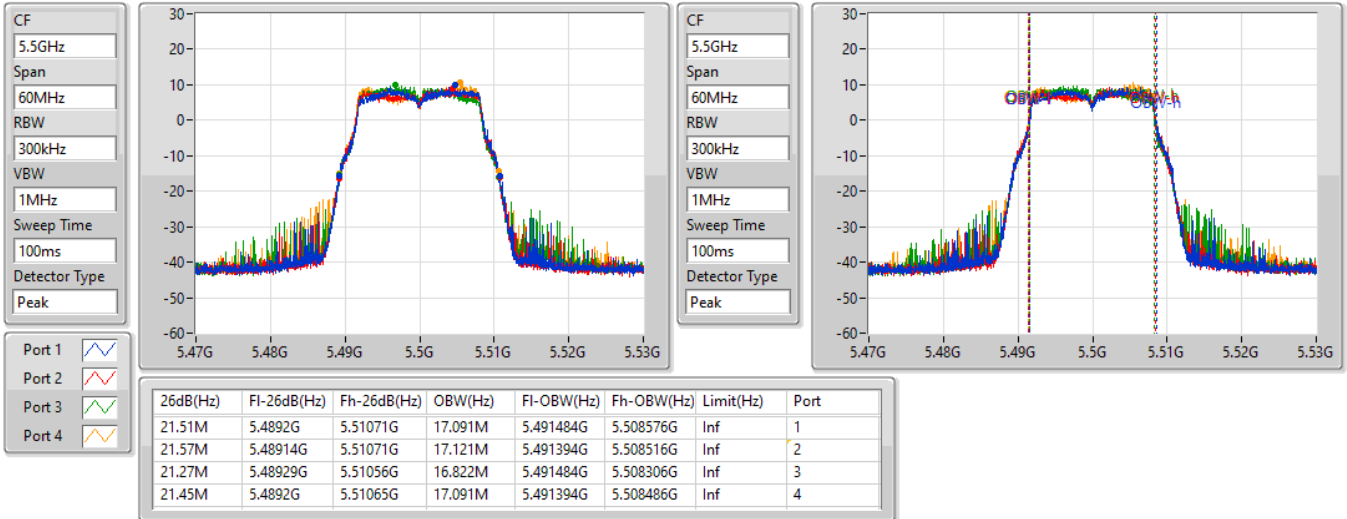

802.11a_Nss1,(6Mbps)_4TX
EBW
5320MHz

08/06/2022

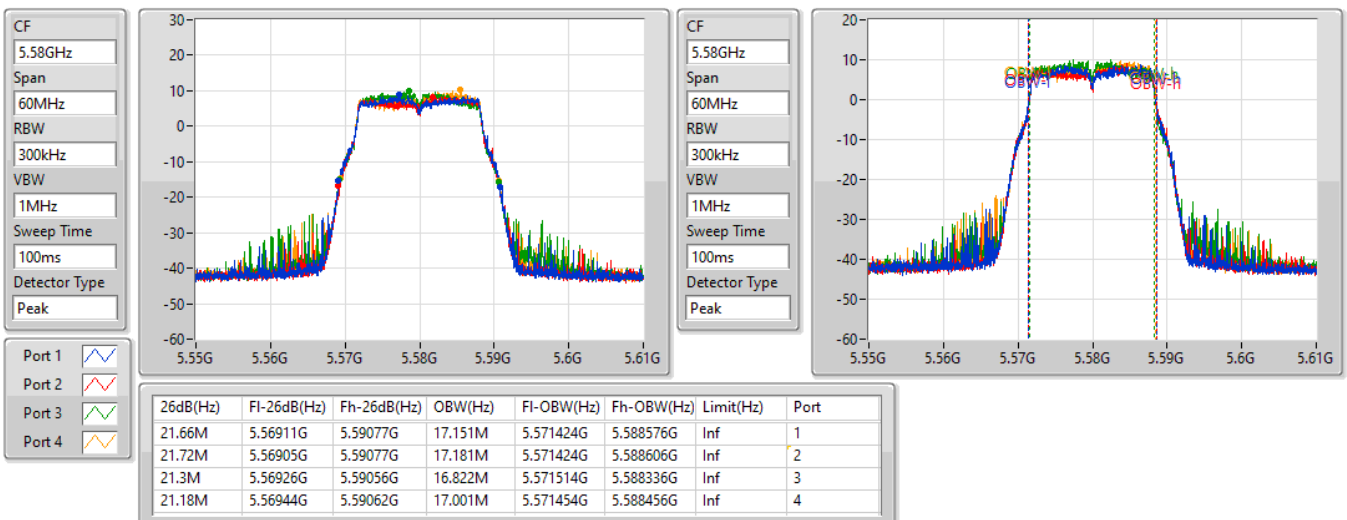


802.11a_Nss1,(6Mbps)_4TX
EBW
5500MHz

08/06/2022

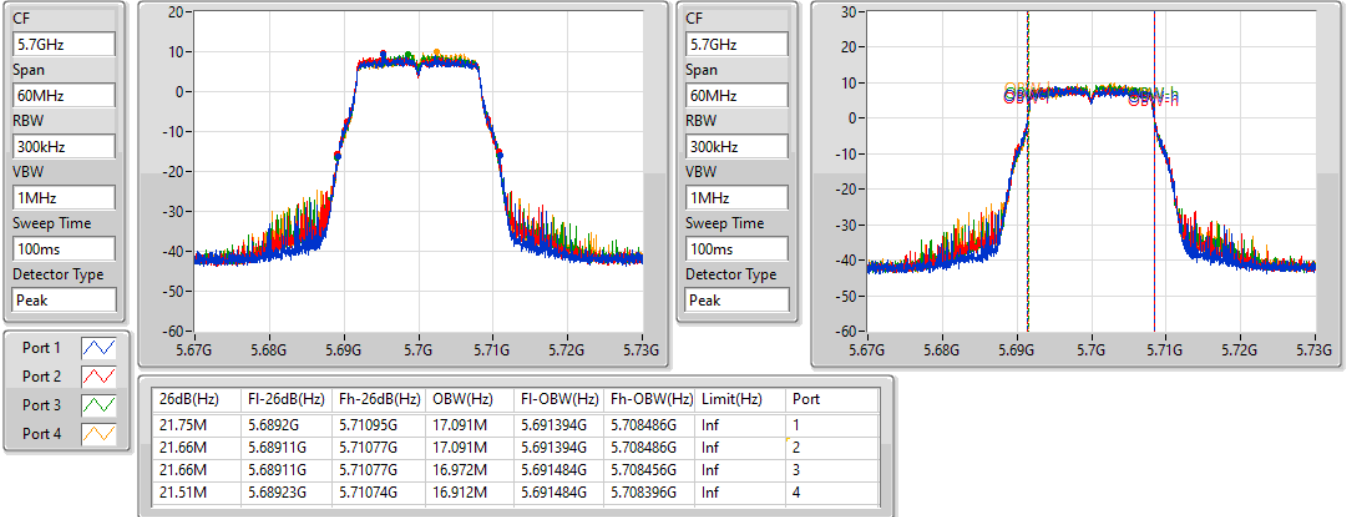

802.11a_Nss1,(6Mbps)_4TX
EBW
5580MHz

08/06/2022

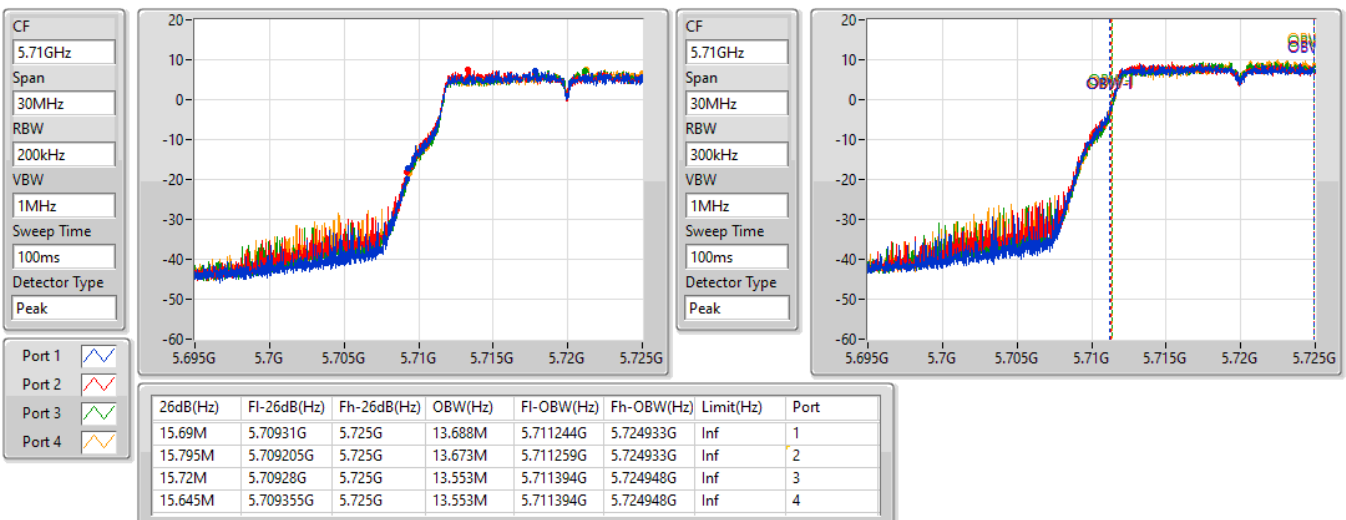


802.11a_Nss1,(6Mbps)_4TX
EBW
5700MHz

08/06/2022

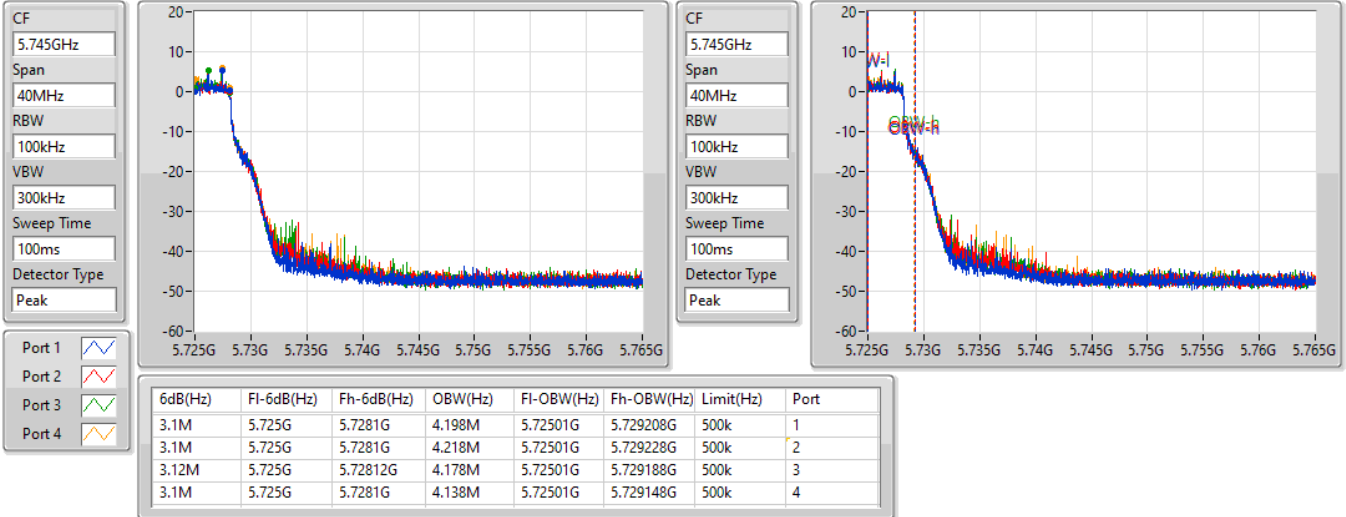

802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

08/06/2022

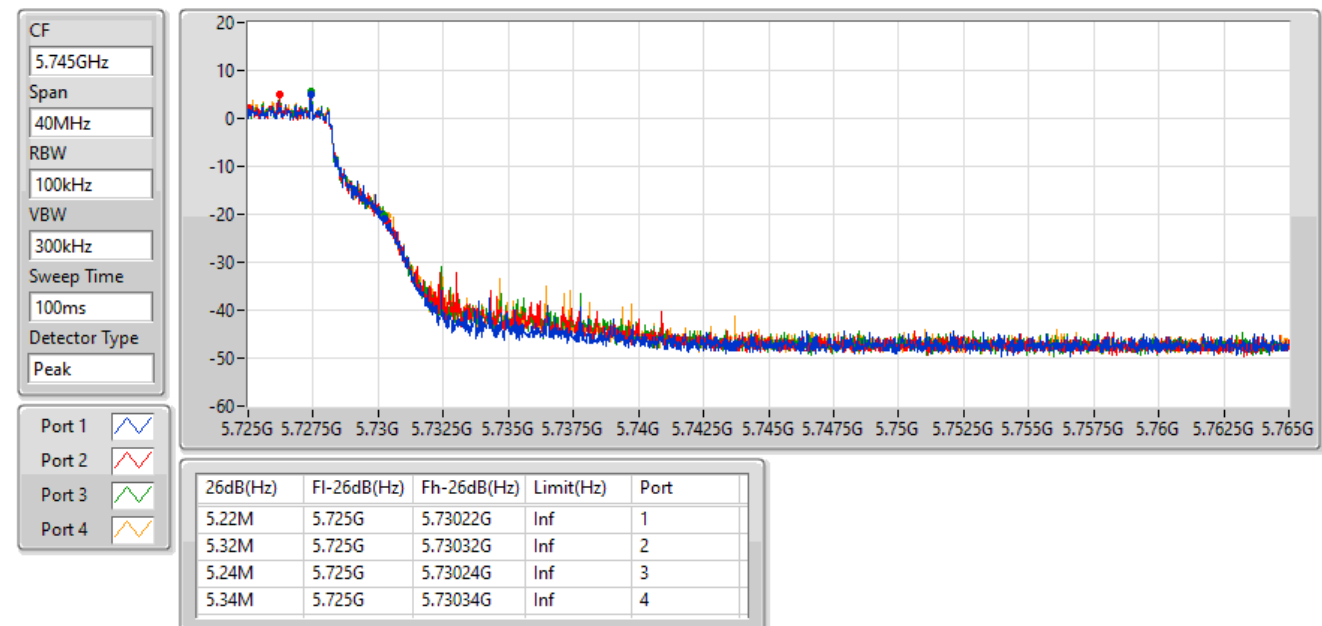


802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

08/06/2022

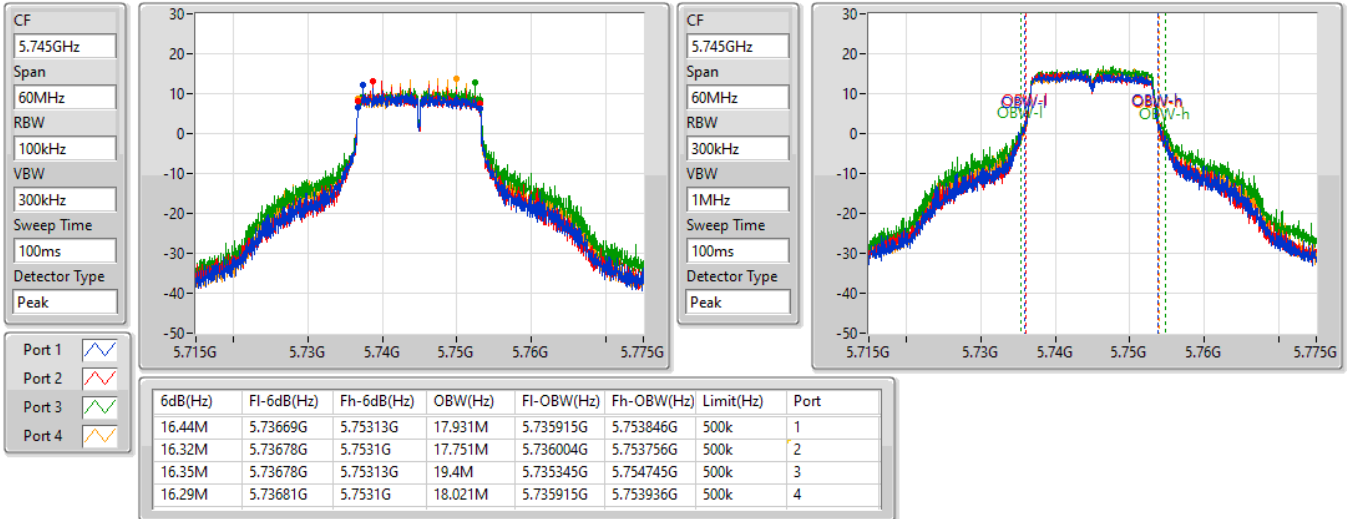

802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

08/06/2022

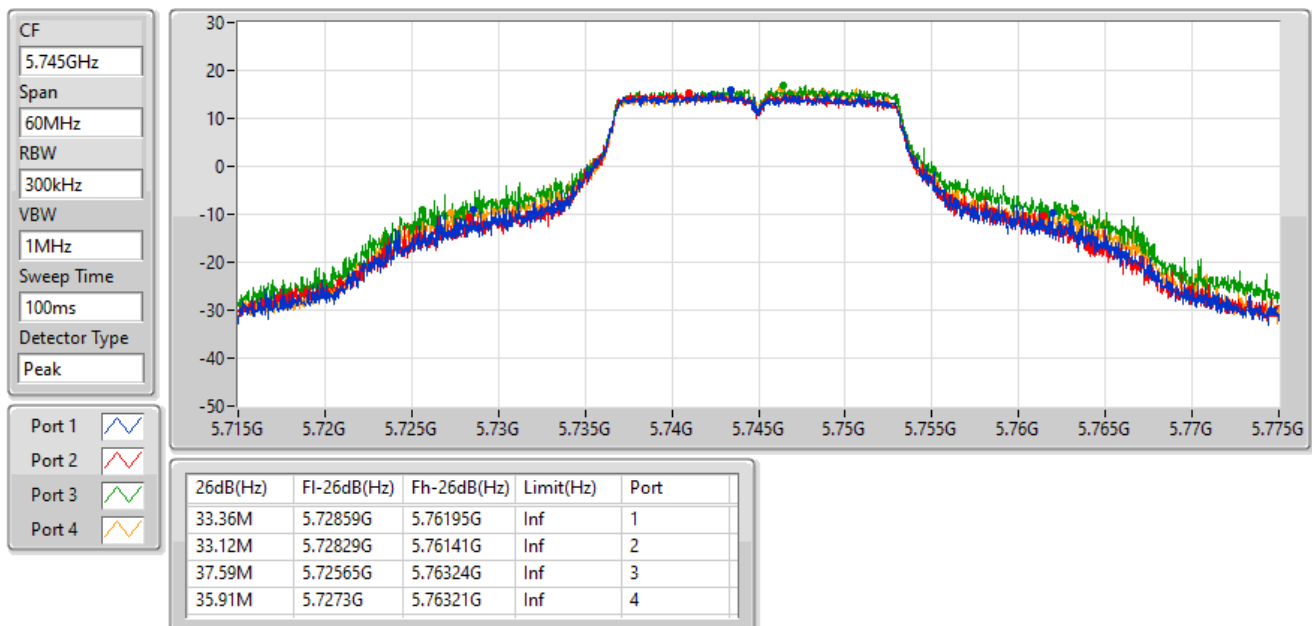


802.11a_Nss1,(6Mbps)_4TX
EBW
5745MHz

08/06/2022

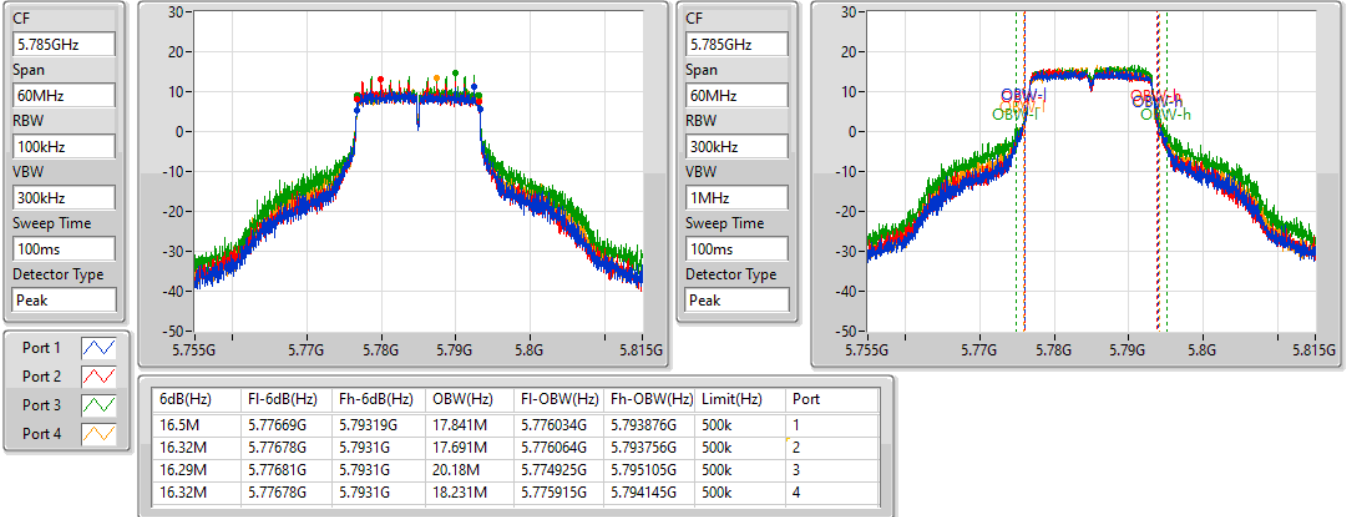

802.11a_Nss1,(6Mbps)_4TX
EBW
5745MHz

08/06/2022

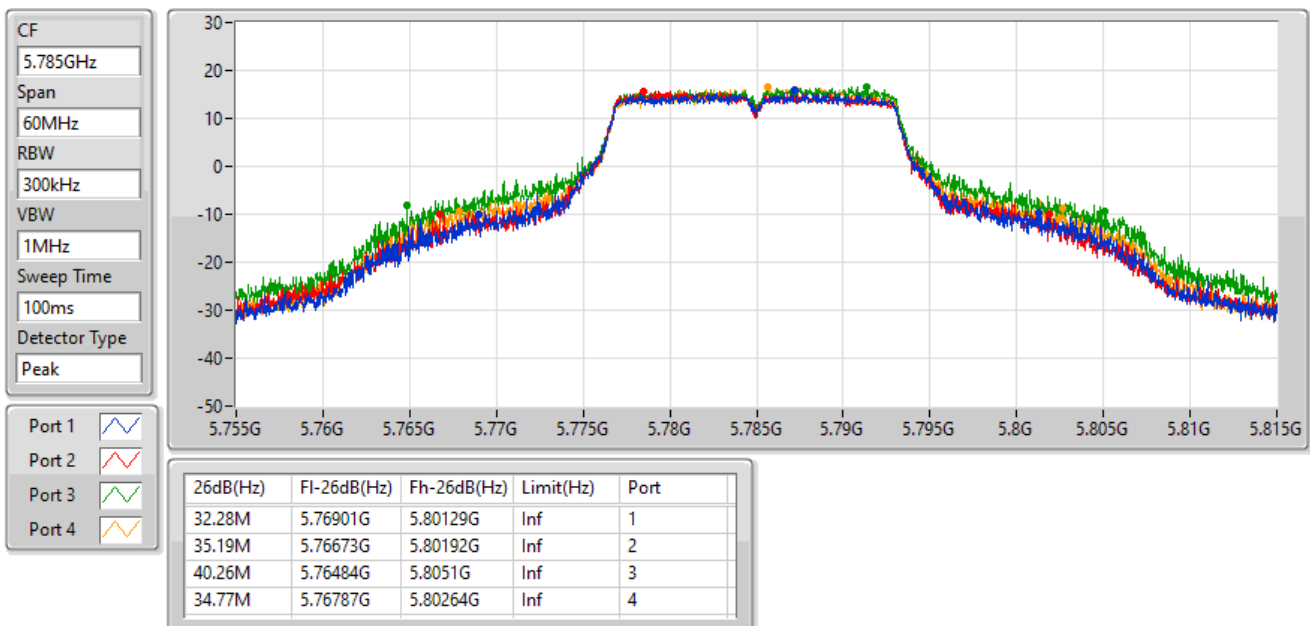


802.11a_Nss1,(6Mbps)_4TX
EBW
5785MHz

08/06/2022

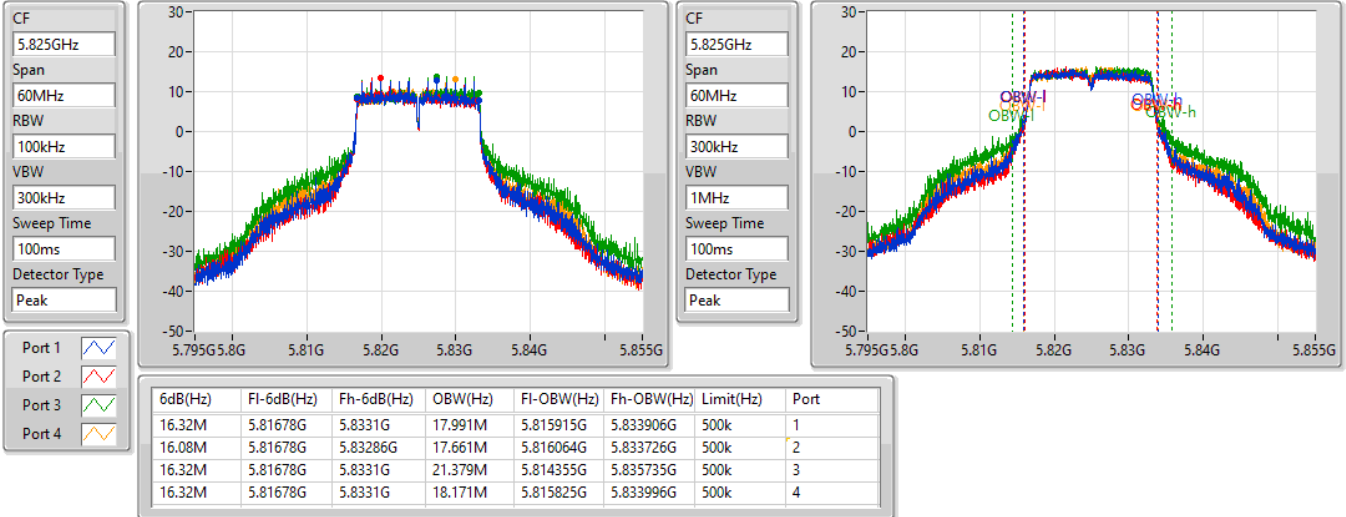

802.11a_Nss1,(6Mbps)_4TX
EBW
5785MHz

08/06/2022

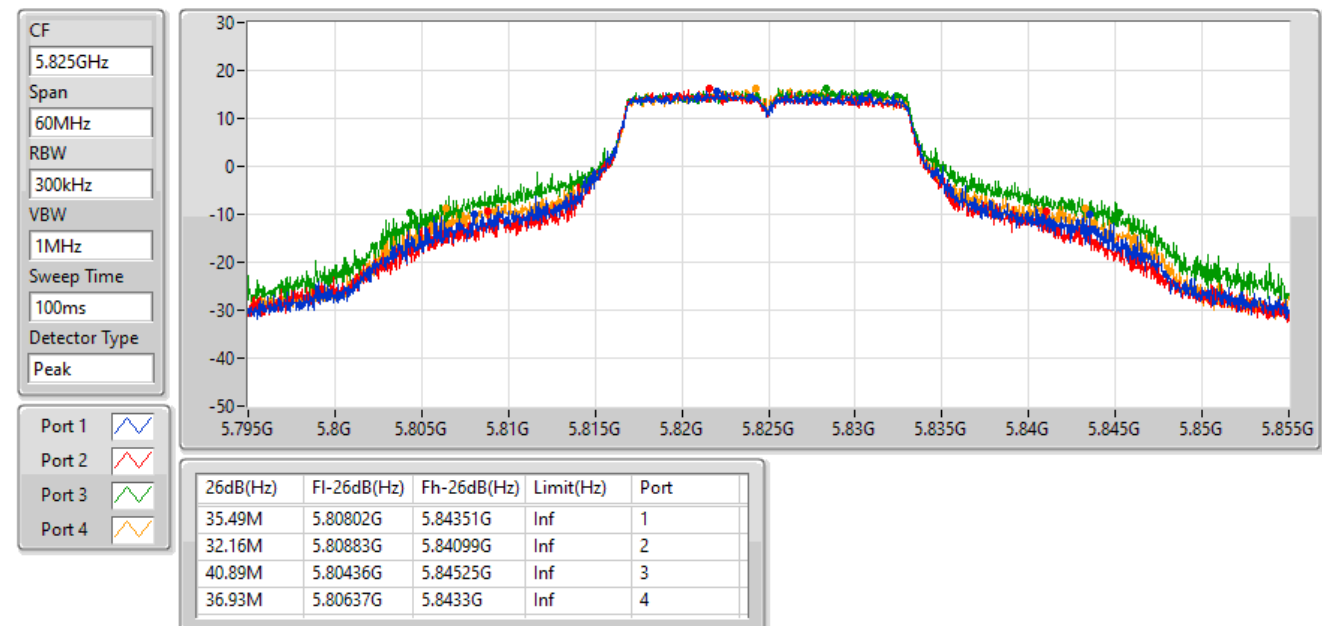


802.11a_Nss1,(6Mbps)_4TX
EBW
5825MHz

08/06/2022


802.11a_Nss1,(6Mbps)_4TX
EBW
5825MHz

08/06/2022

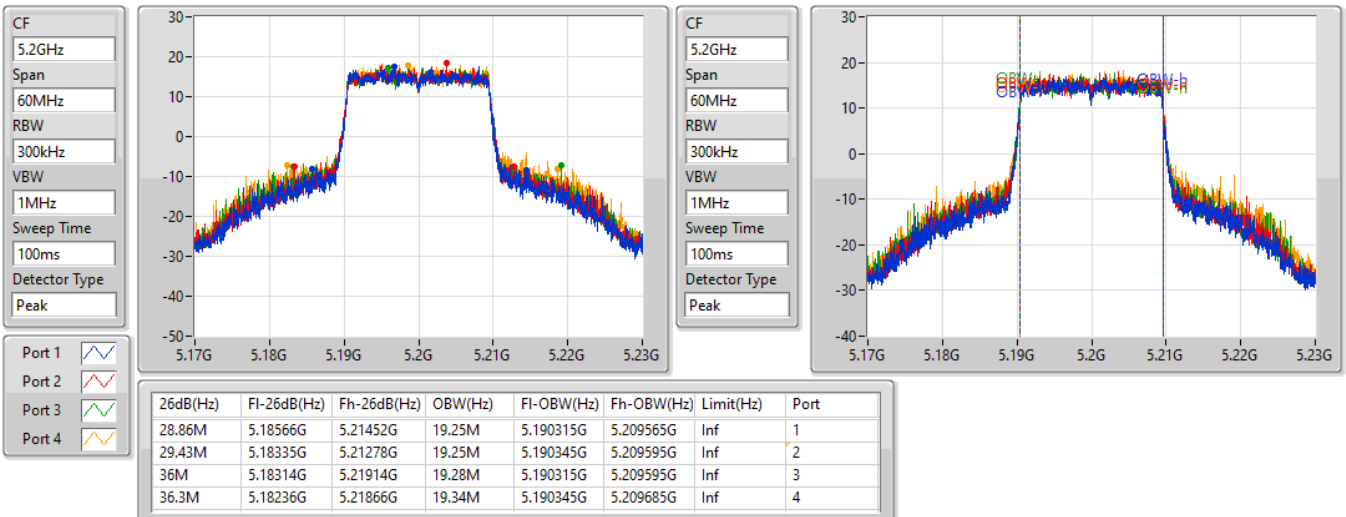


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5180MHz

08/06/2022


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5200MHz

08/06/2022

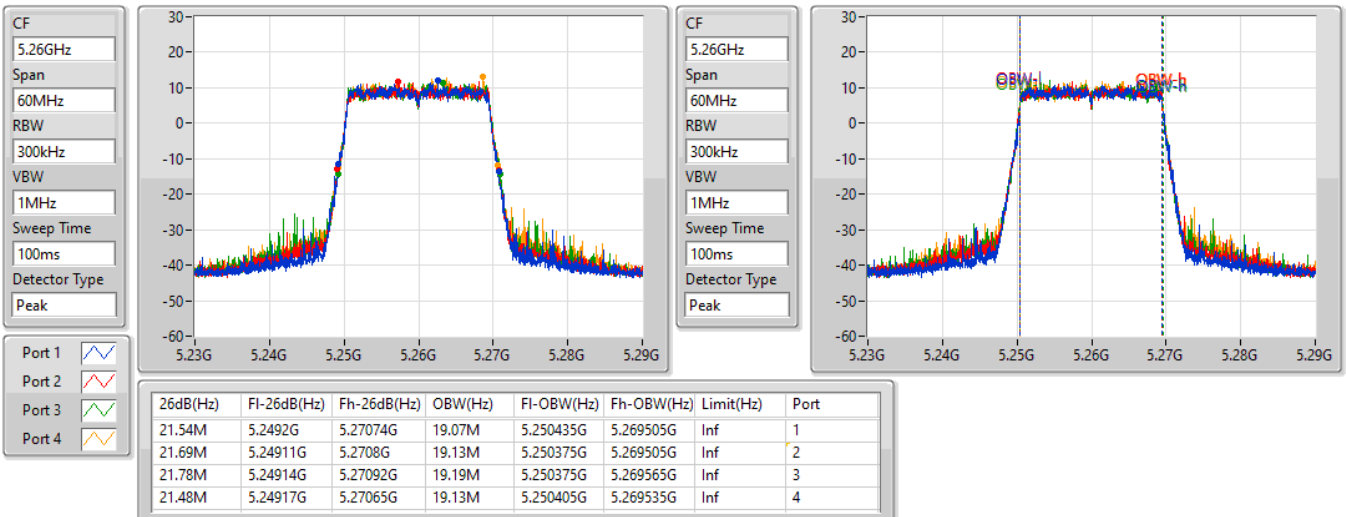


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5240MHz

08/06/2022

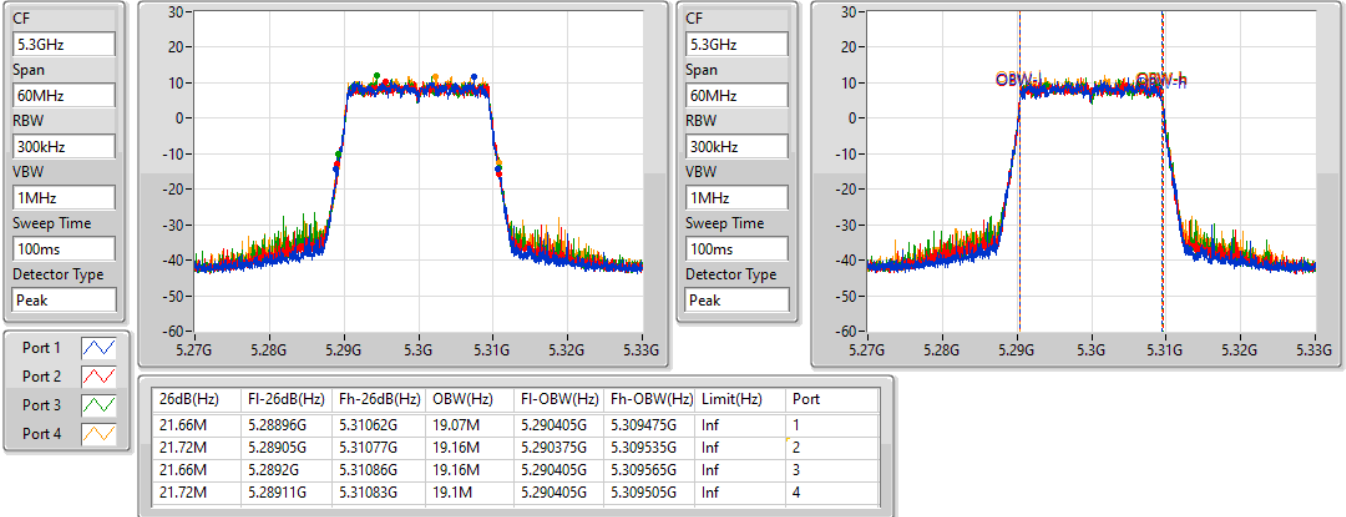

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5260MHz

08/06/2022

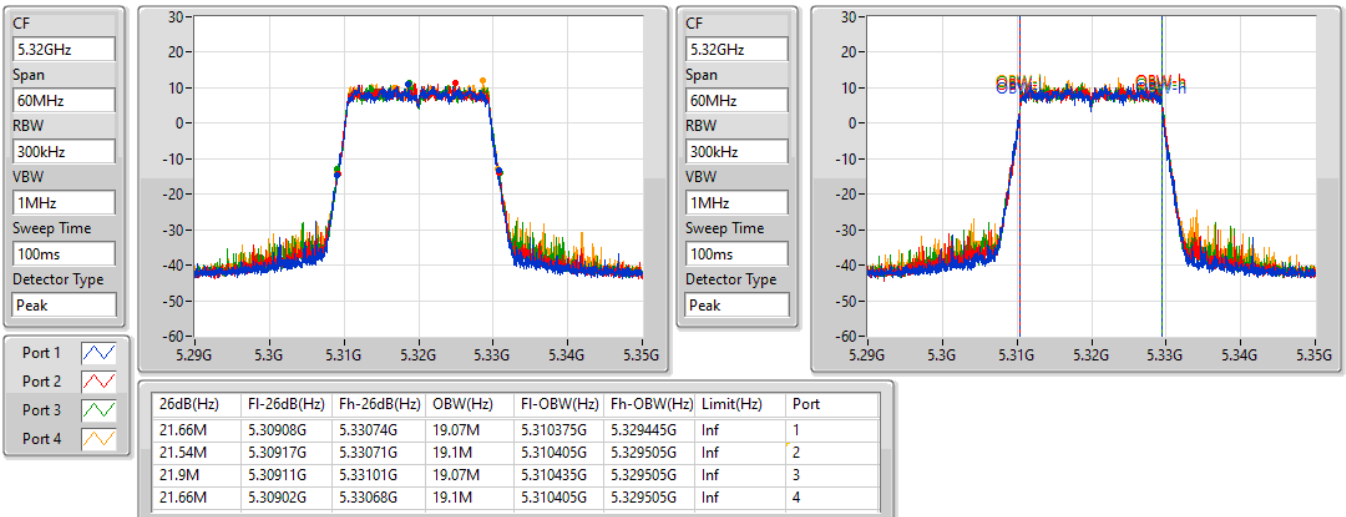


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5300MHz

08/06/2022

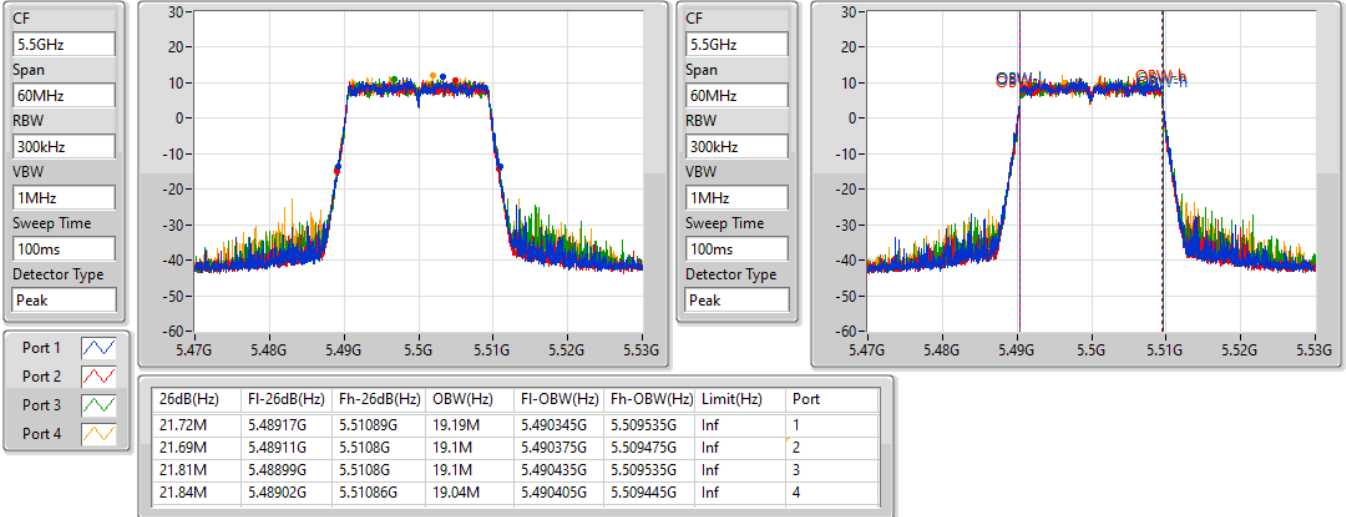

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5320MHz

08/06/2022

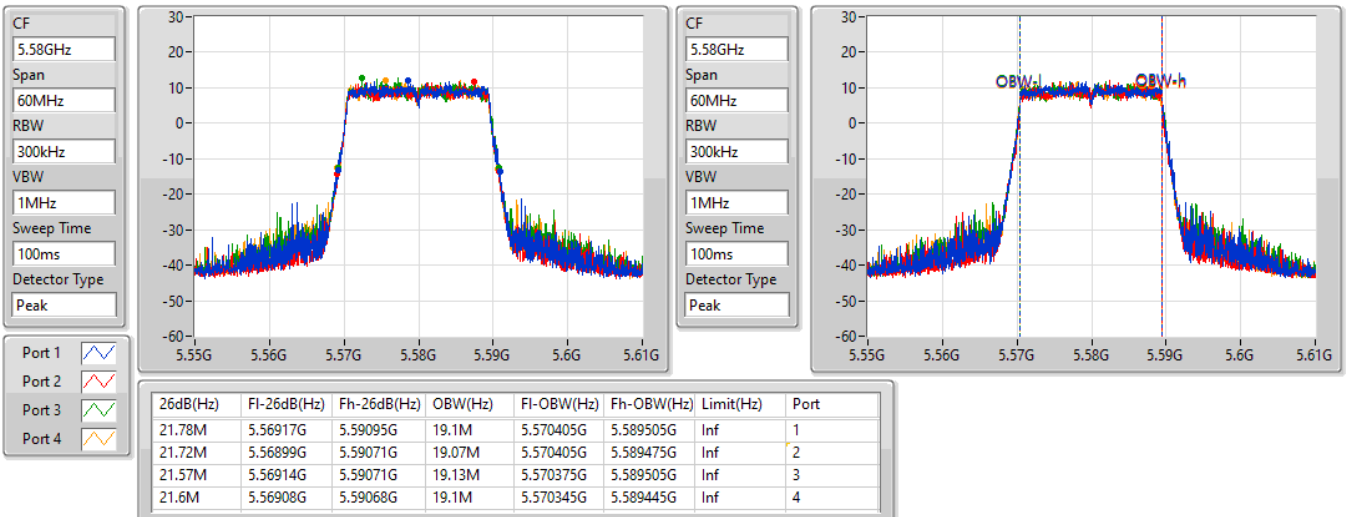


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5500MHz

08/06/2022

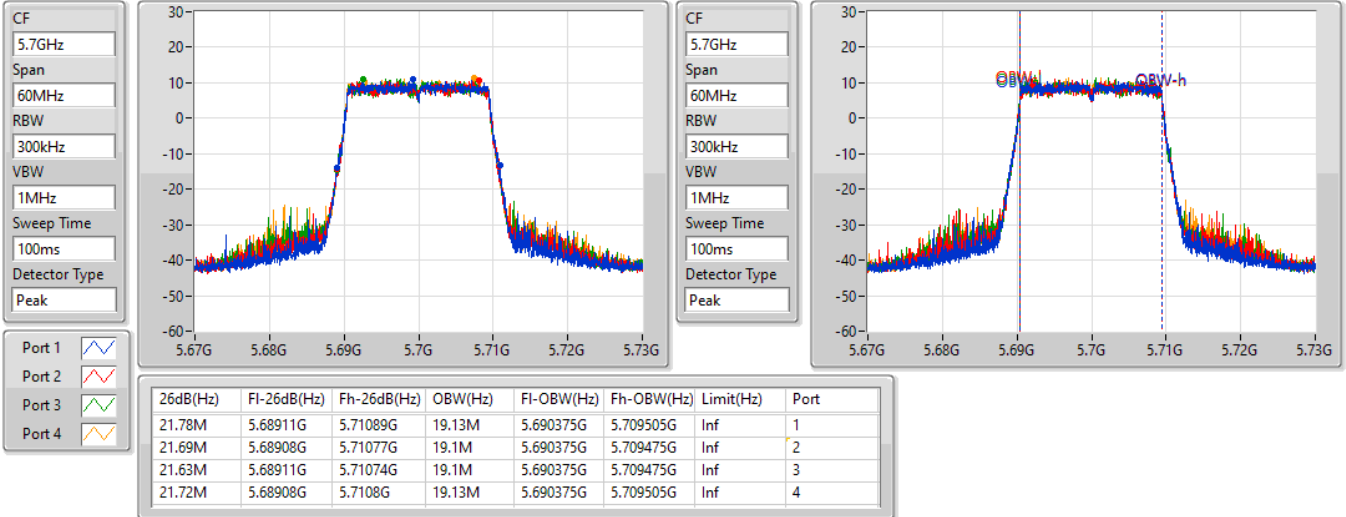

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5580MHz

08/06/2022

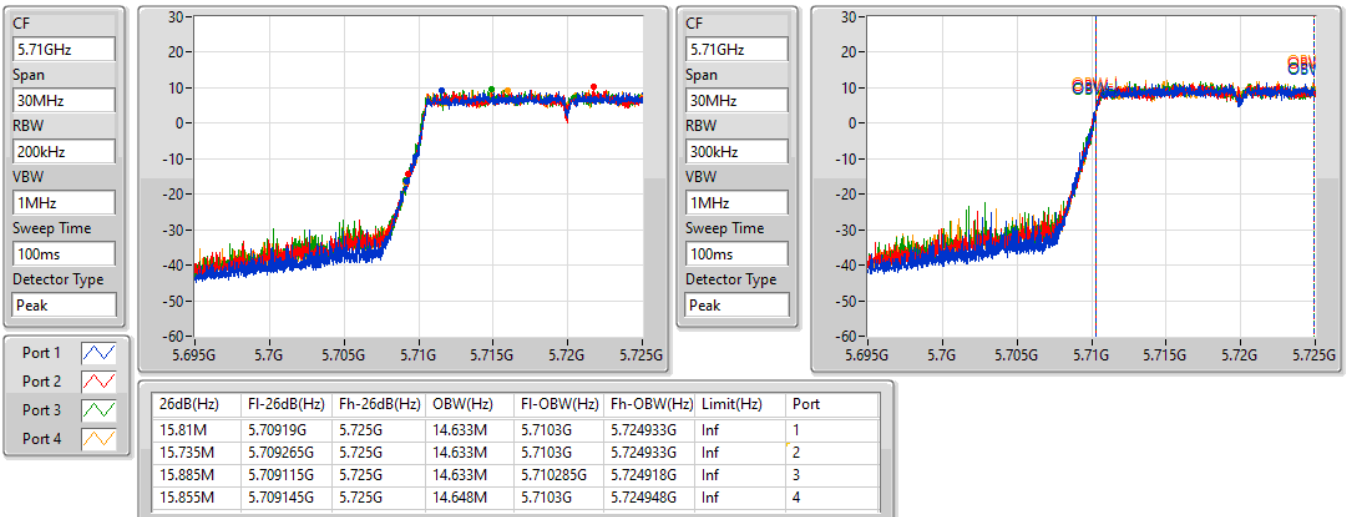


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5700MHz

08/06/2022

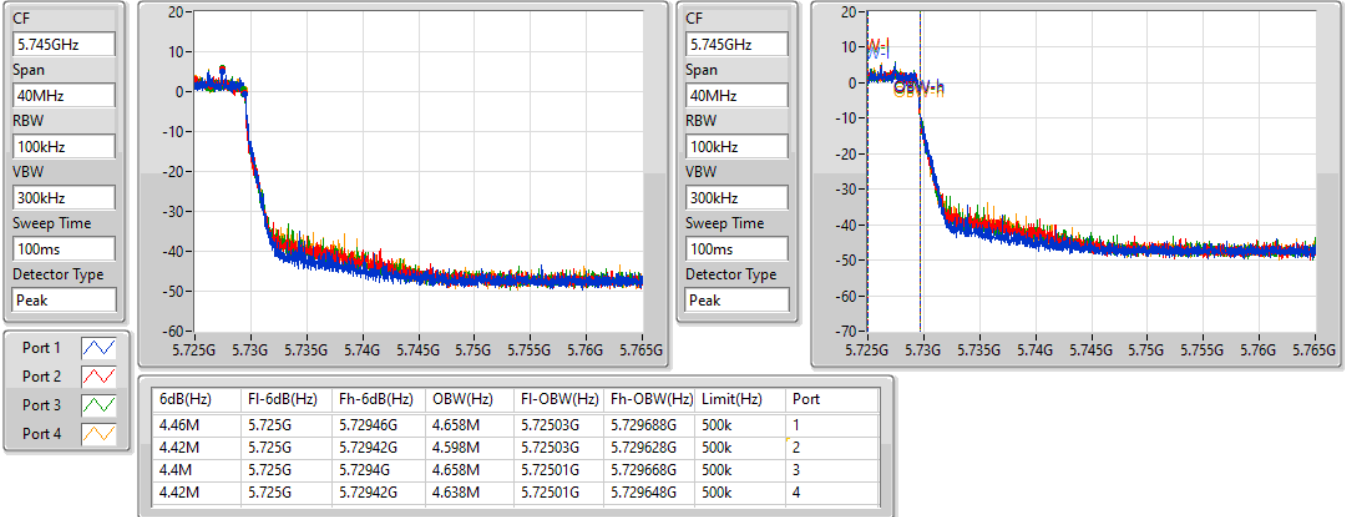

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

08/06/2022

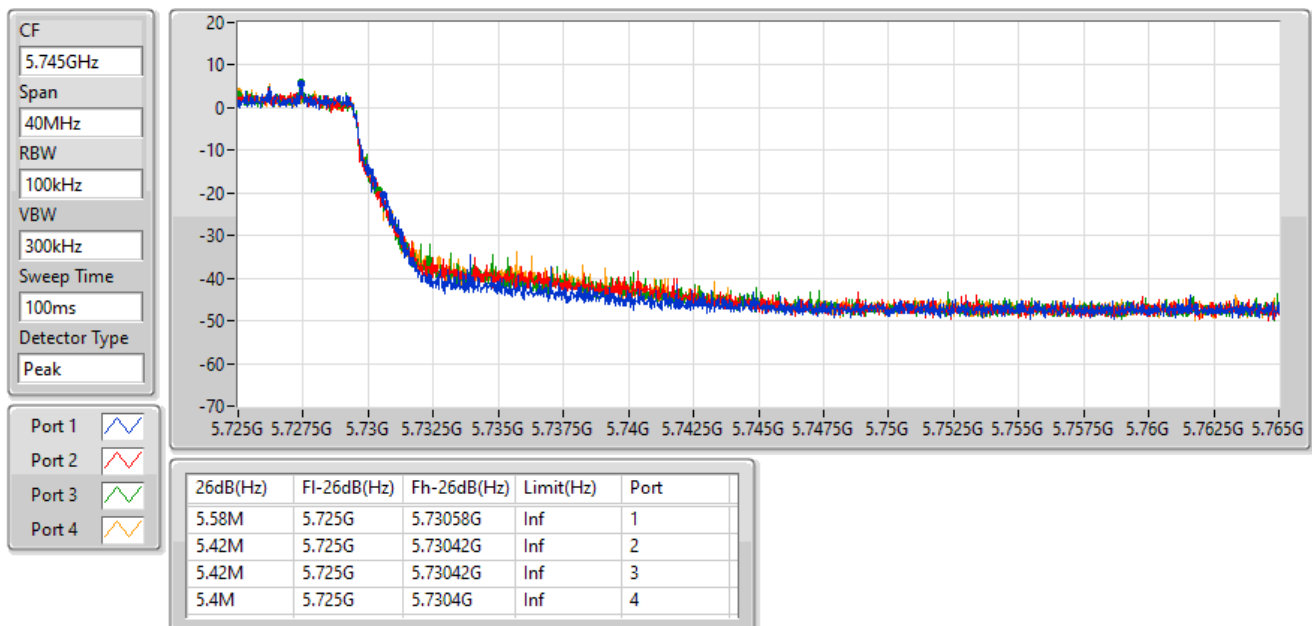


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

08/06/2022

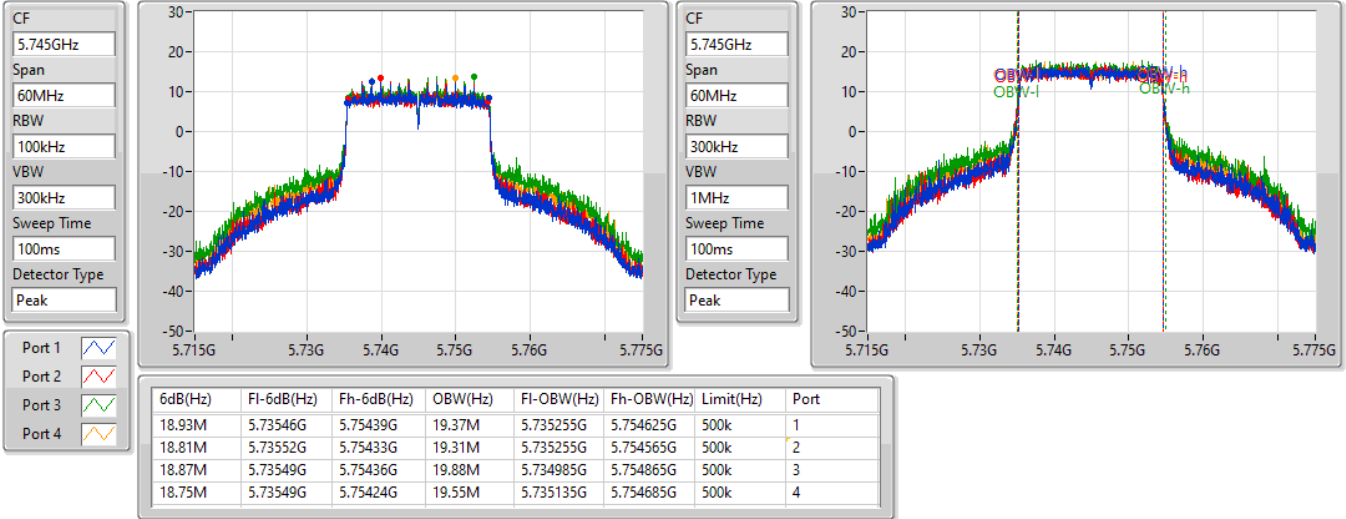

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

08/06/2022

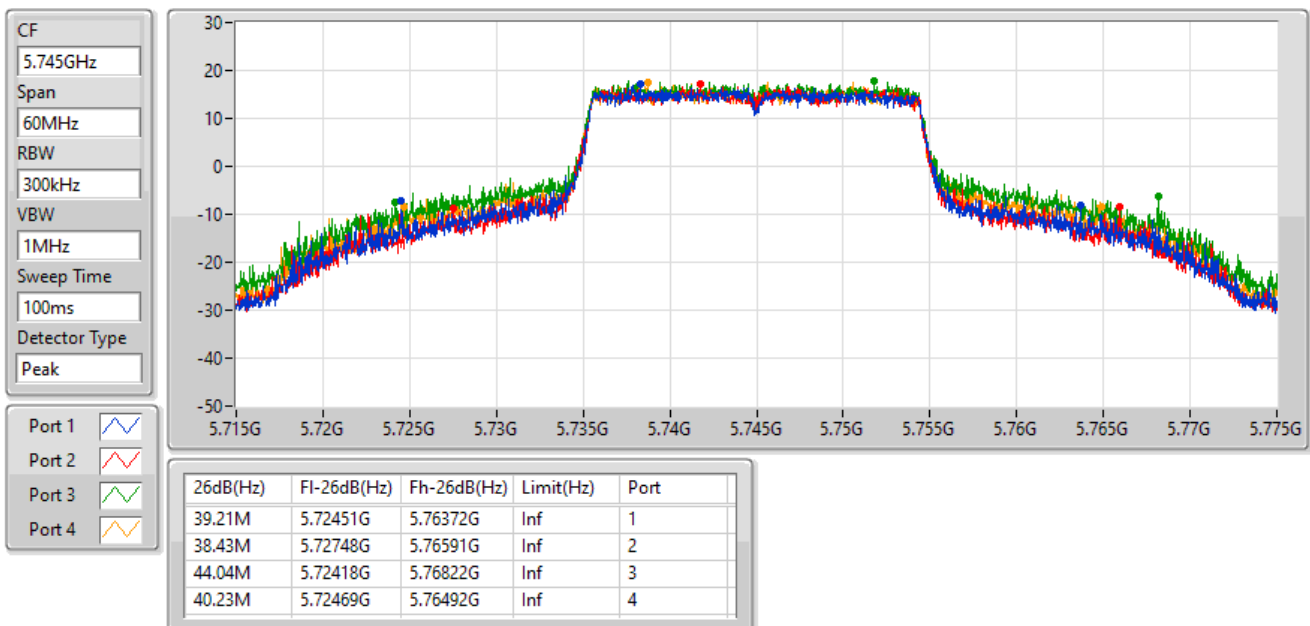


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5745MHz

08/06/2022

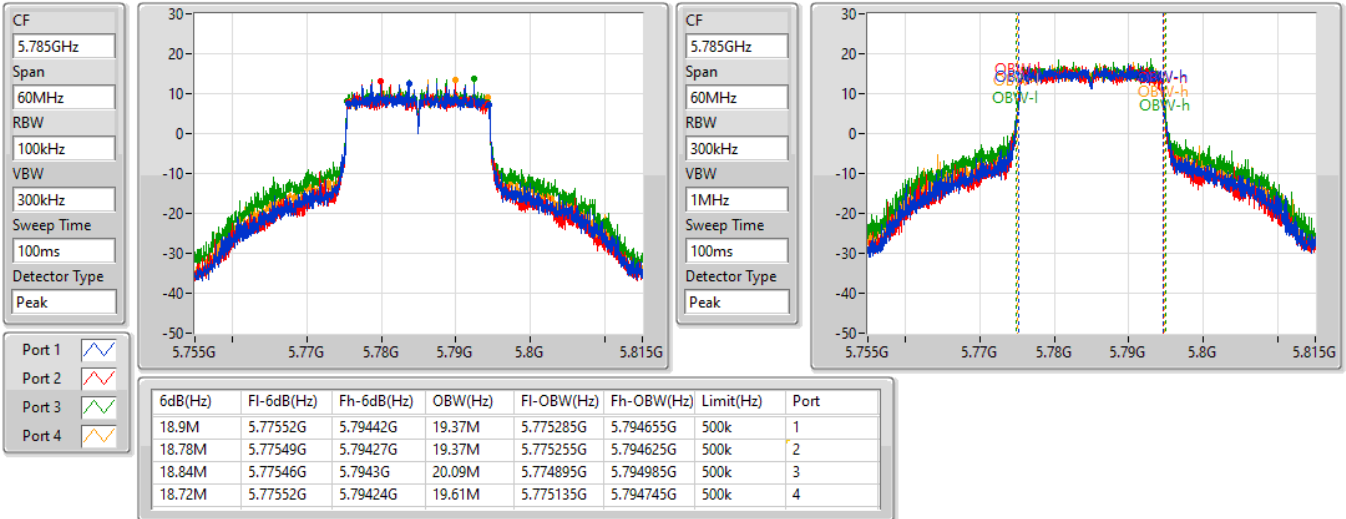

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5745MHz

08/06/2022

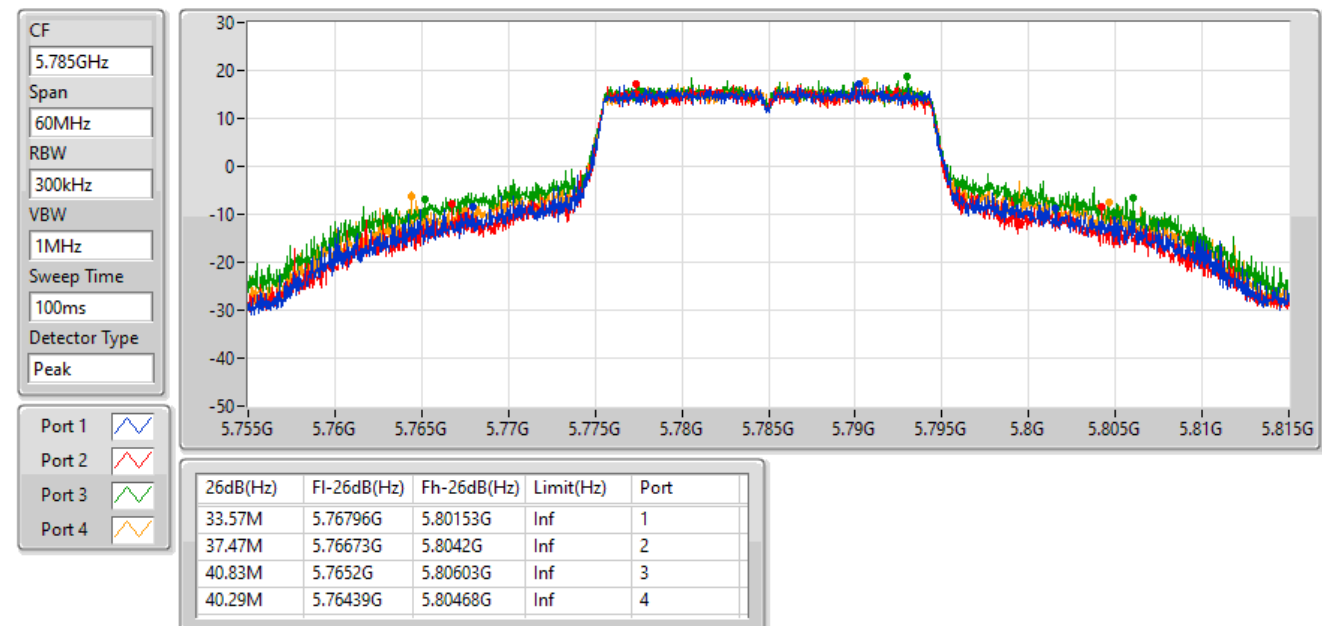


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5785MHz

08/06/2022

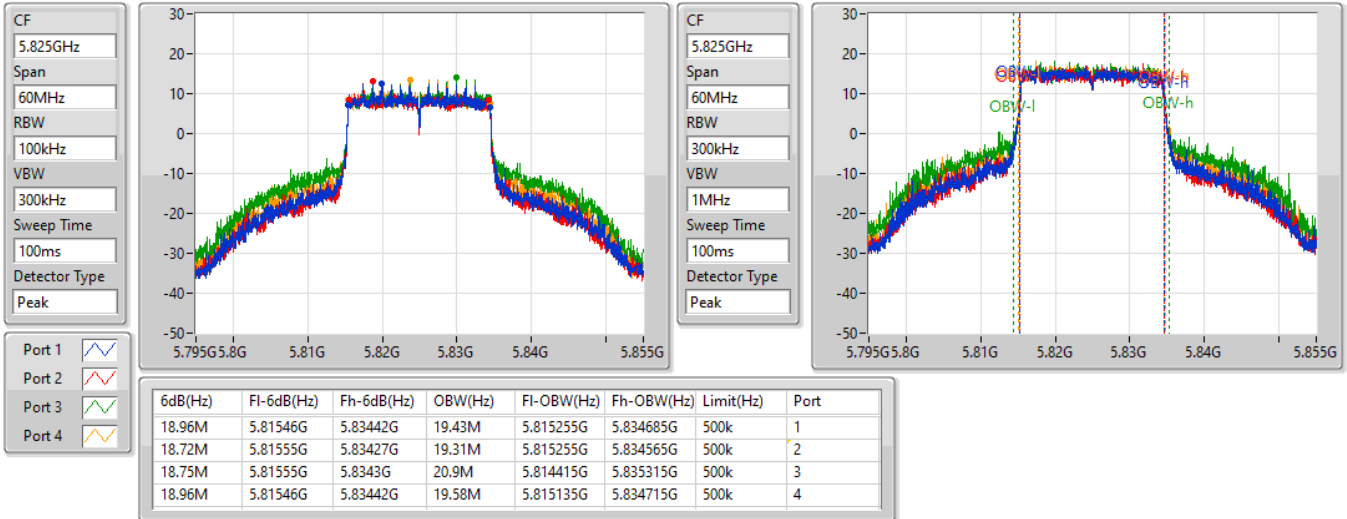

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5785MHz

08/06/2022

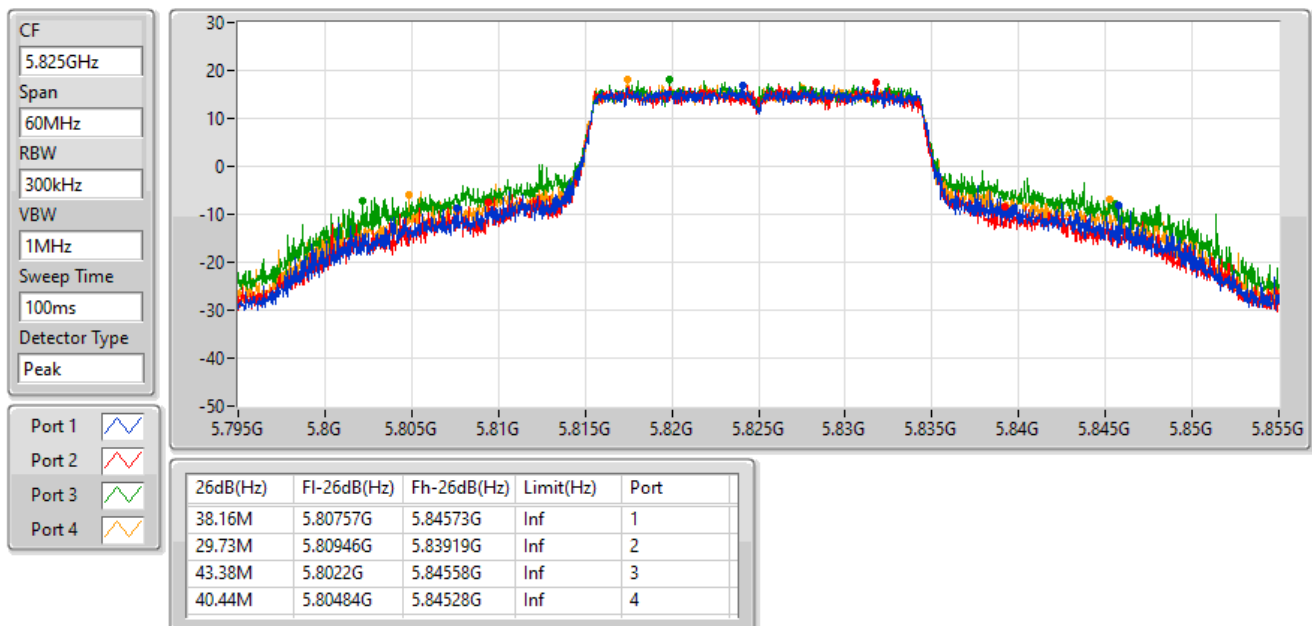


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5825MHz

08/06/2022

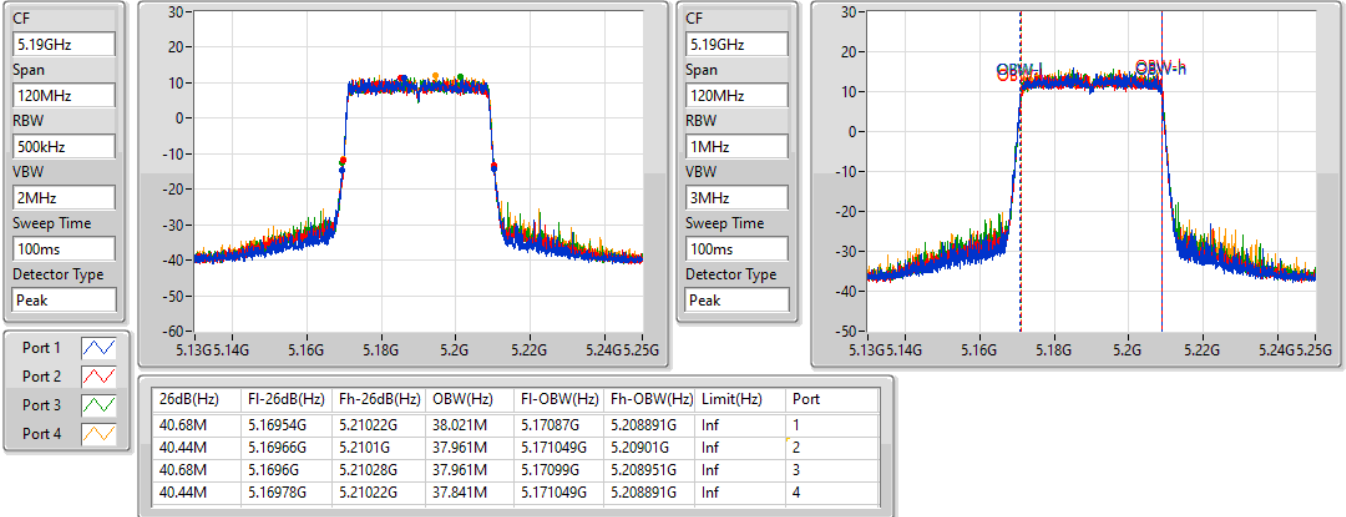

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5825MHz

08/06/2022

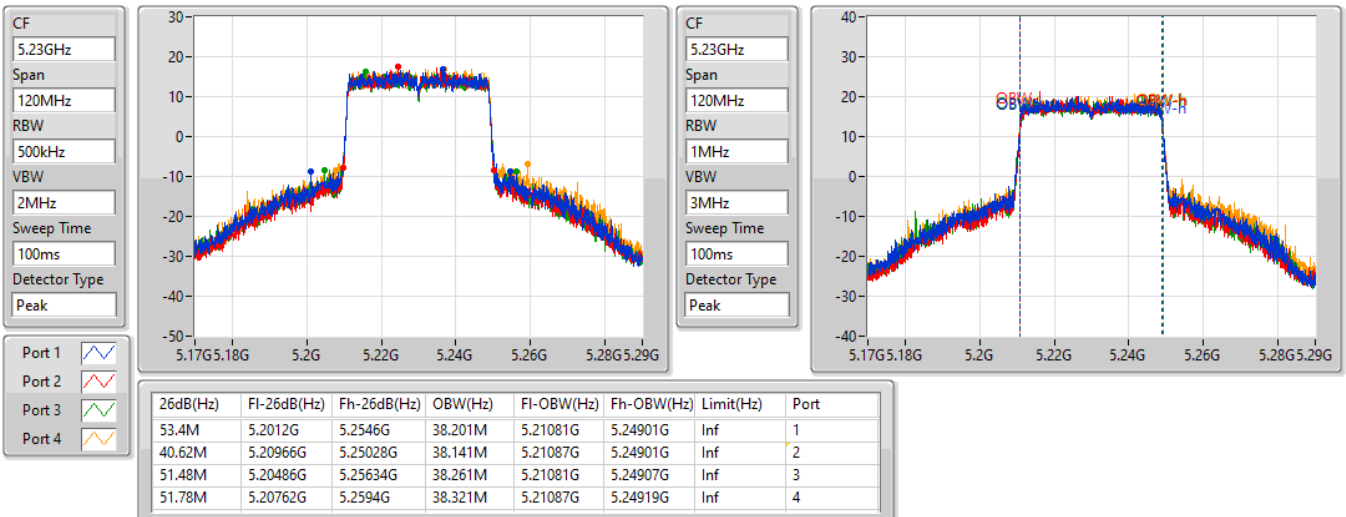


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5190MHz

08/06/2022

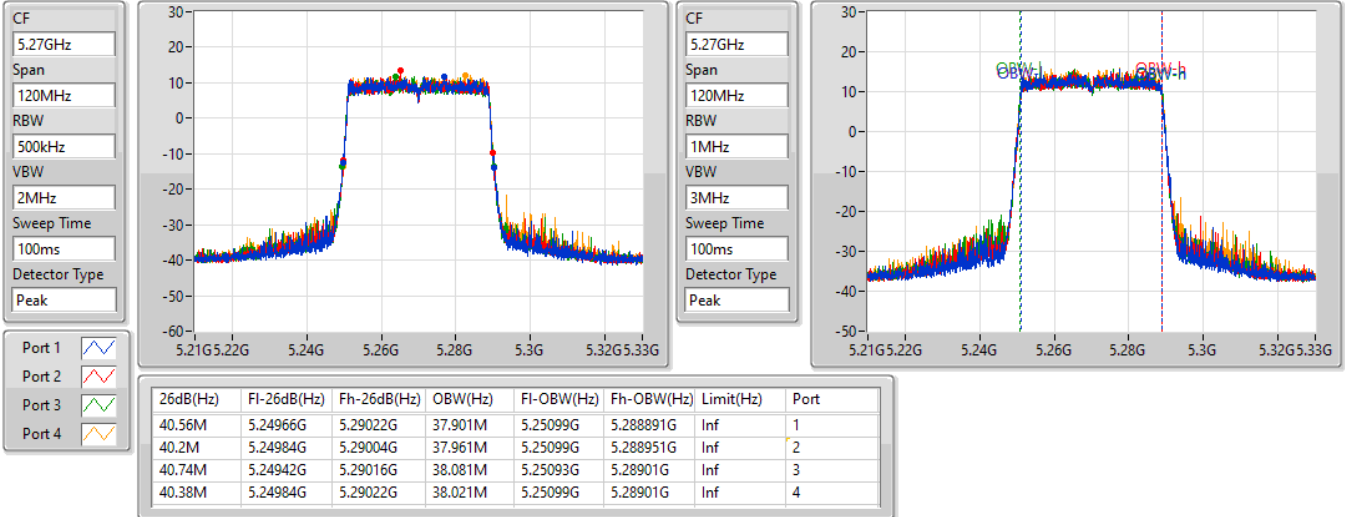

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5230MHz

08/06/2022

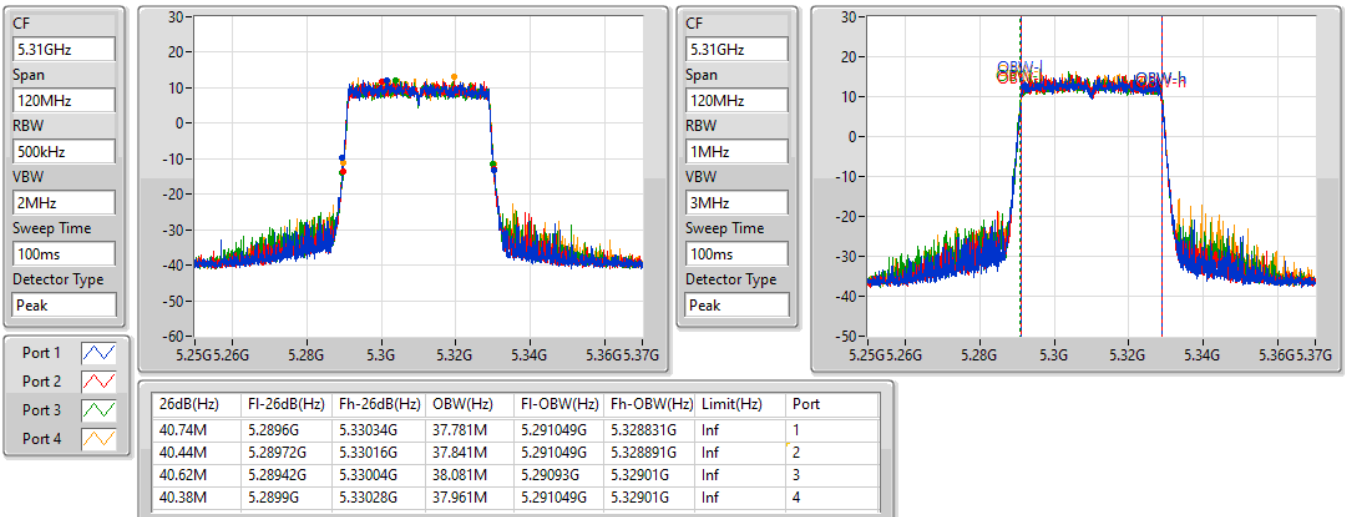


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5270MHz

08/06/2022


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5310MHz

08/06/2022

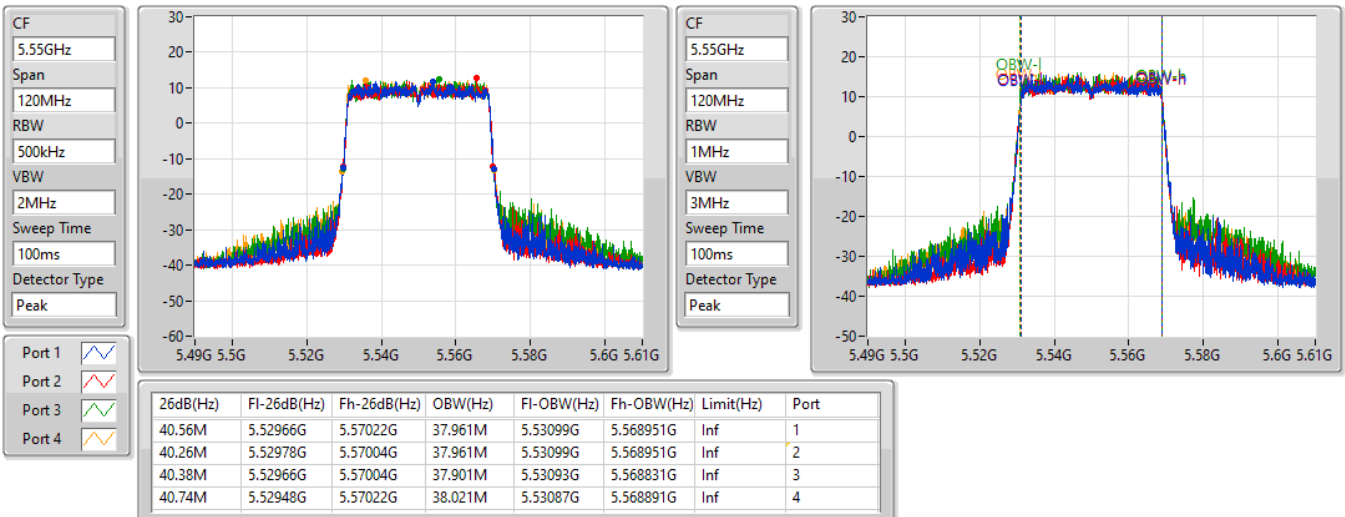


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5510MHz

08/06/2022

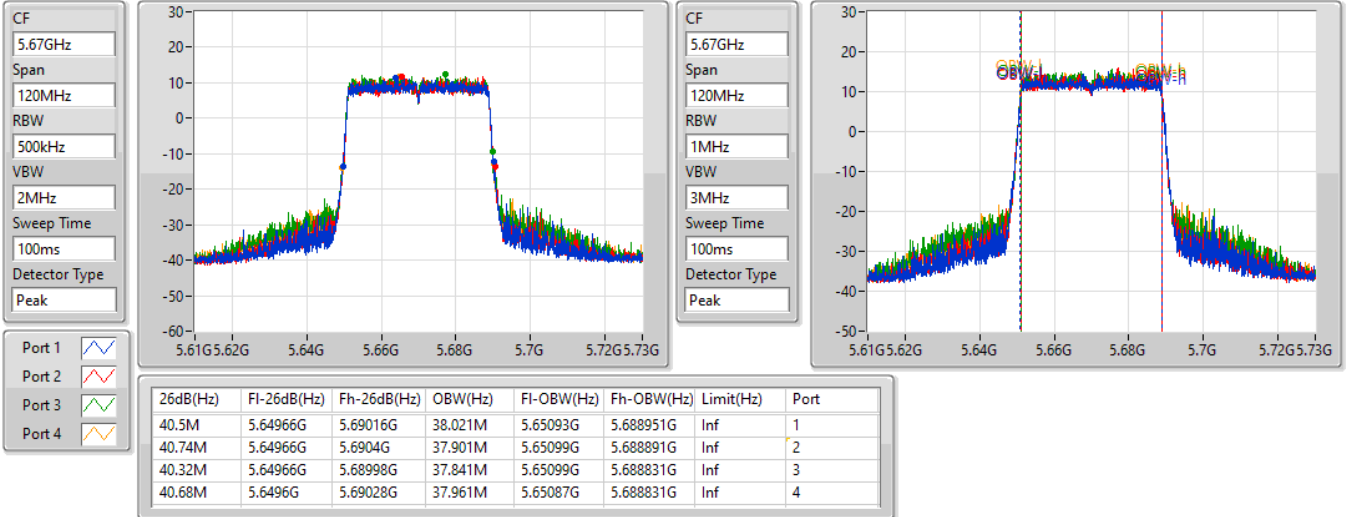

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5550MHz

08/06/2022

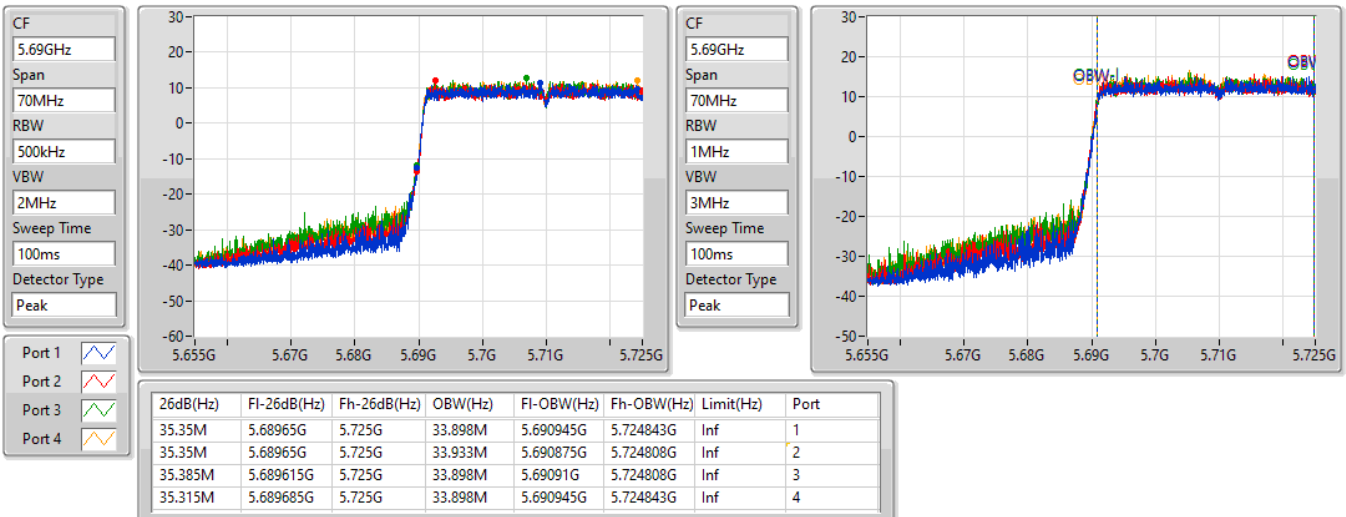


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5670MHz

08/06/2022

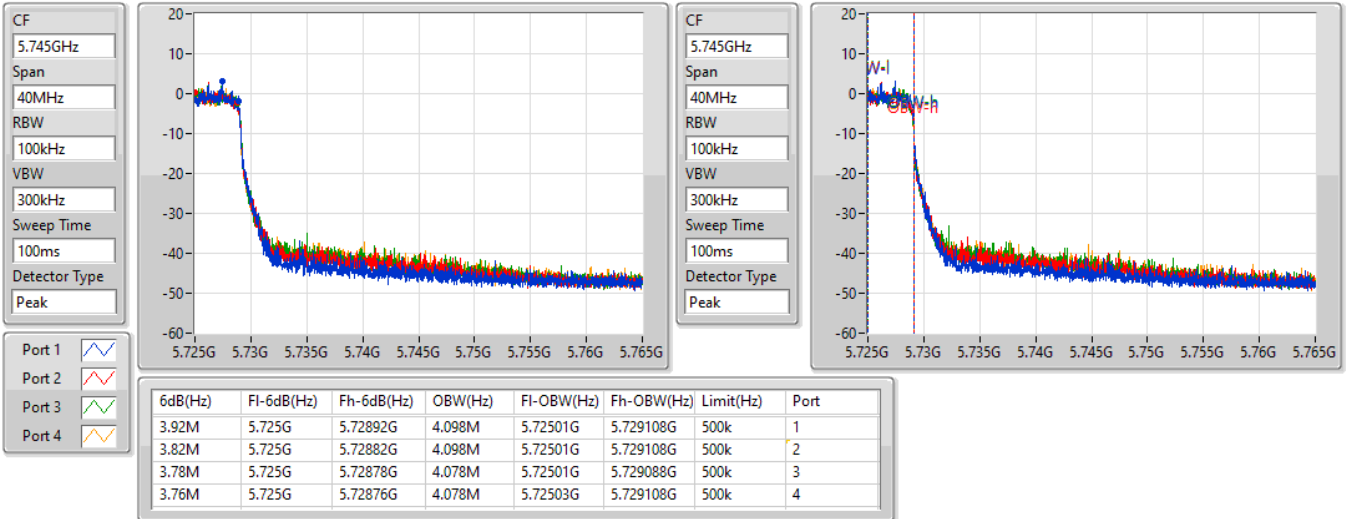

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

08/06/2022

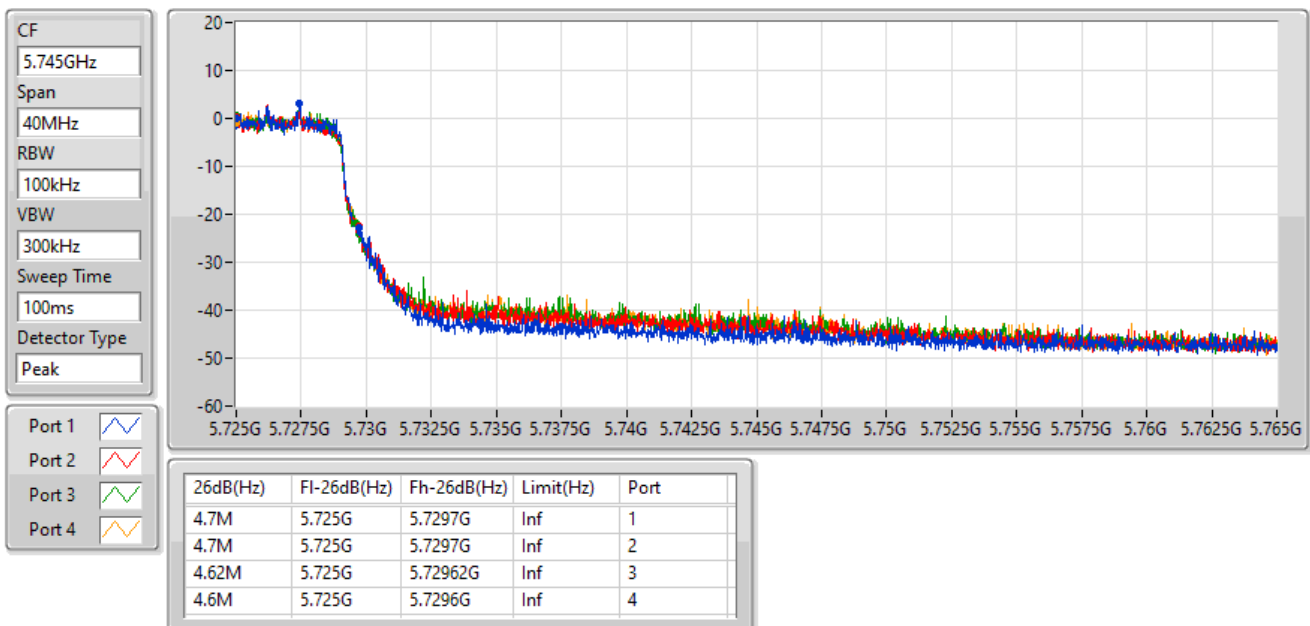


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

08/06/2022

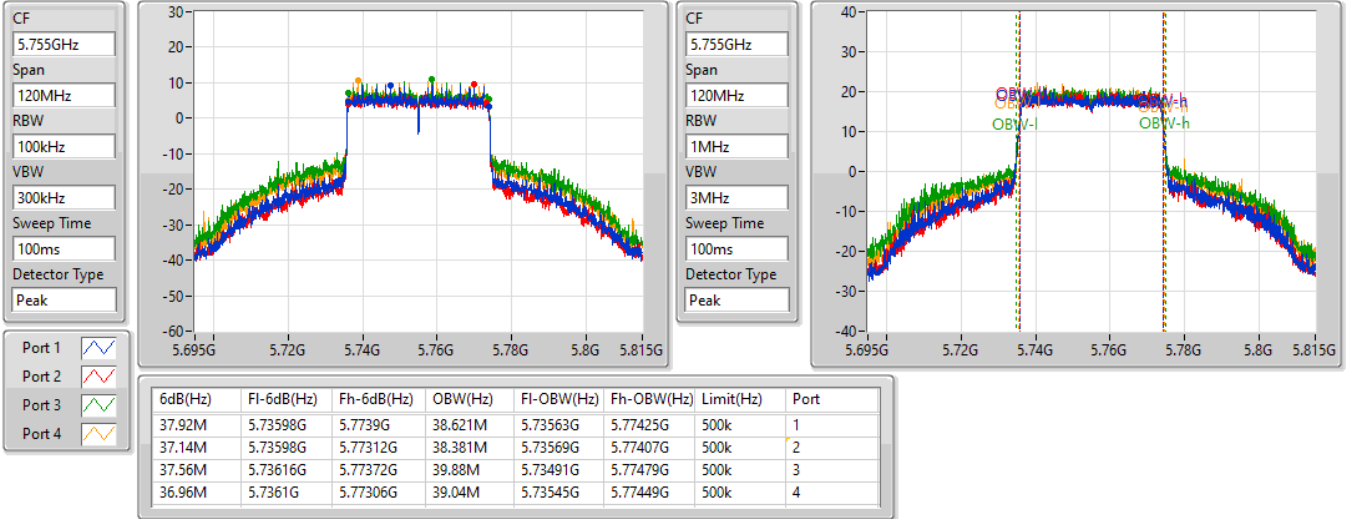

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

08/06/2022

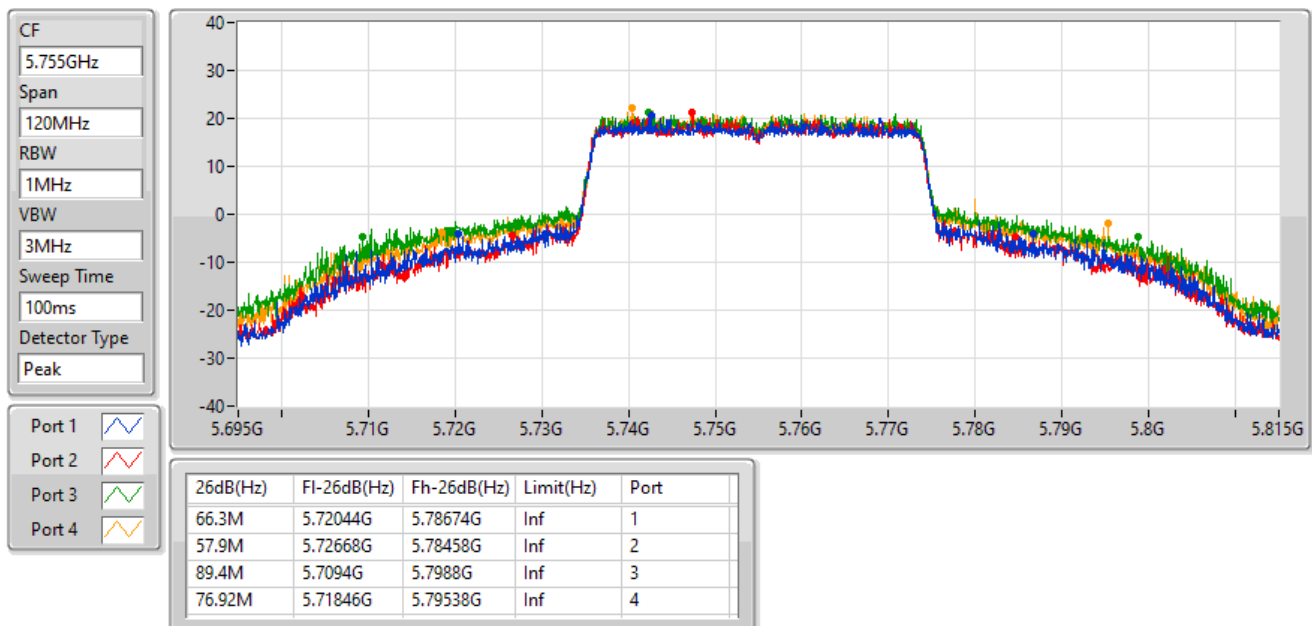


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5755MHz

08/06/2022

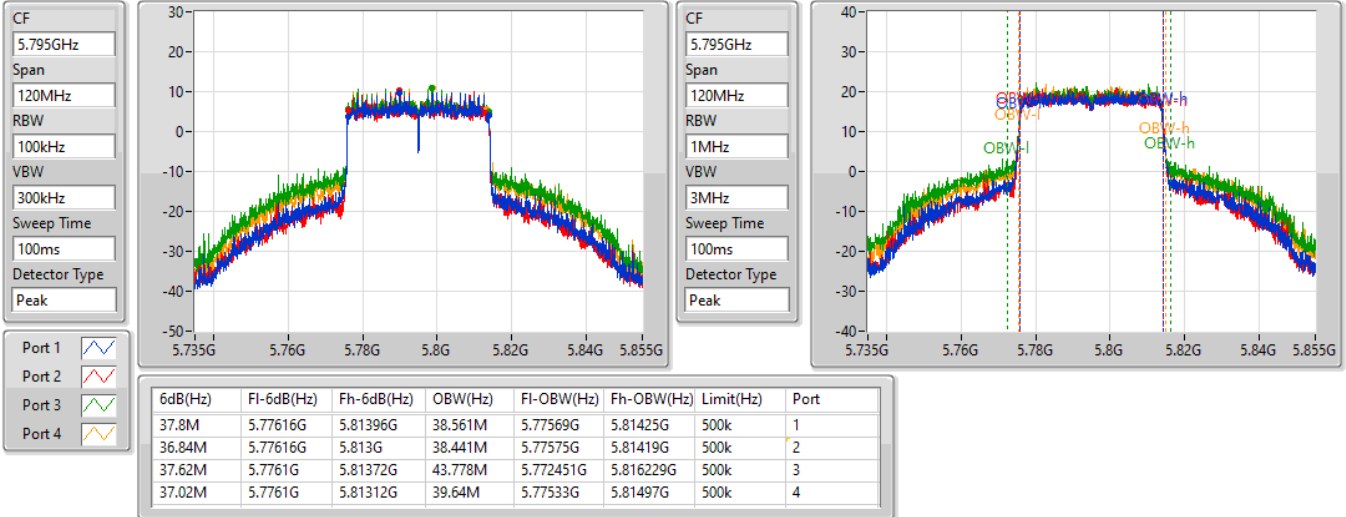

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5755MHz

08/06/2022

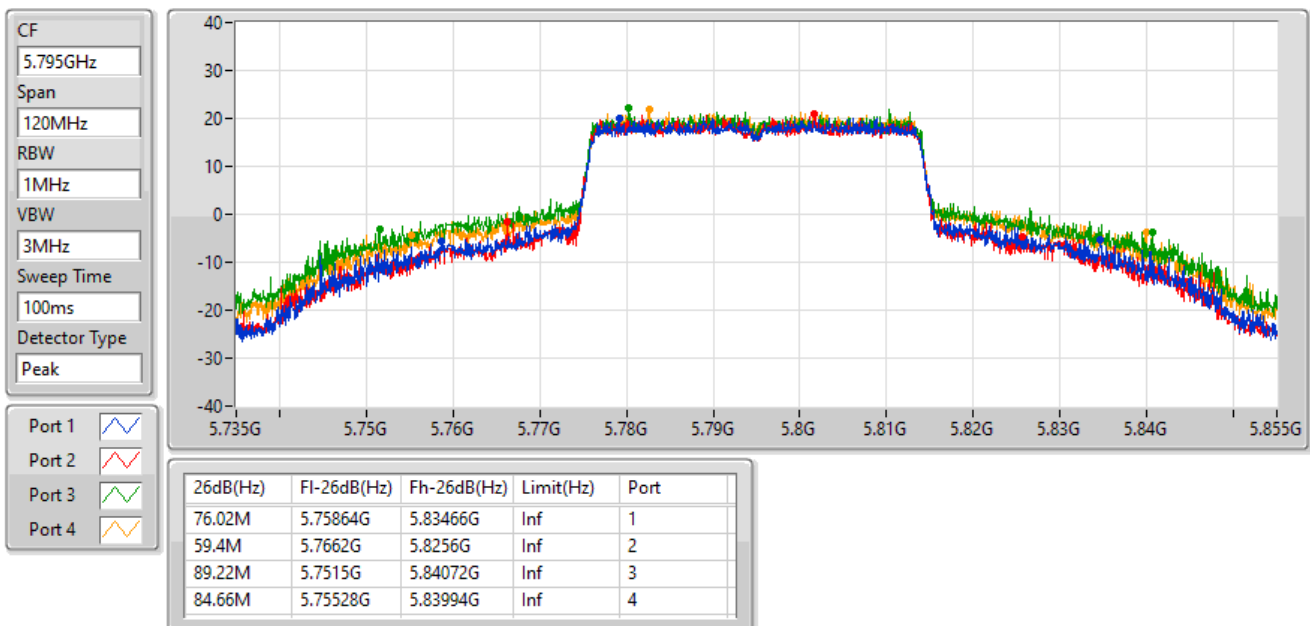


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5795MHz

08/06/2022

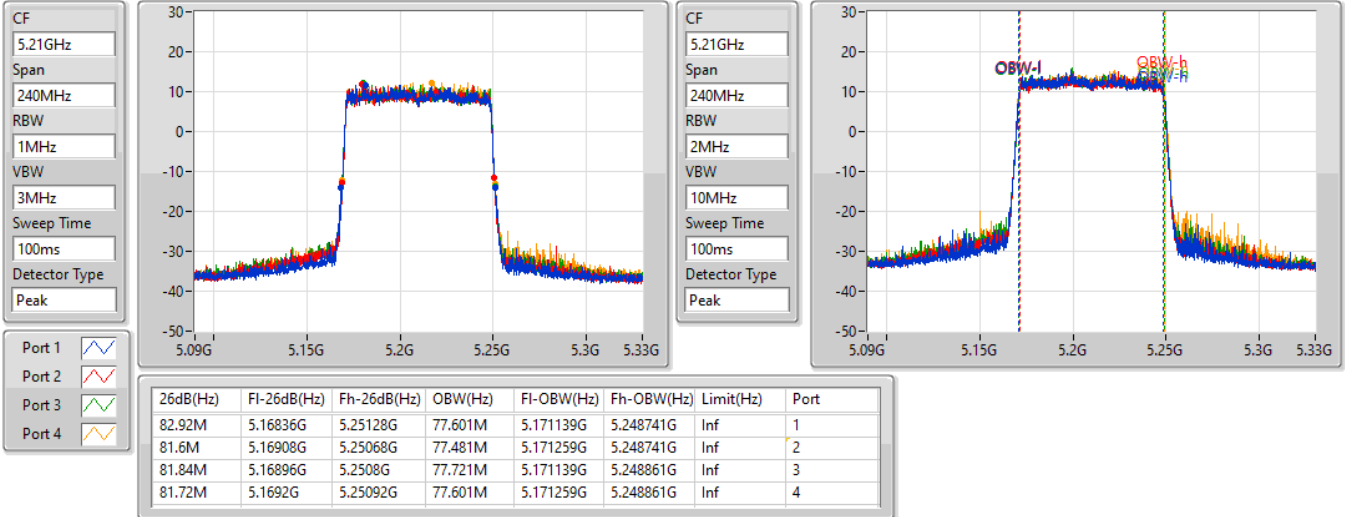

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5795MHz

08/06/2022

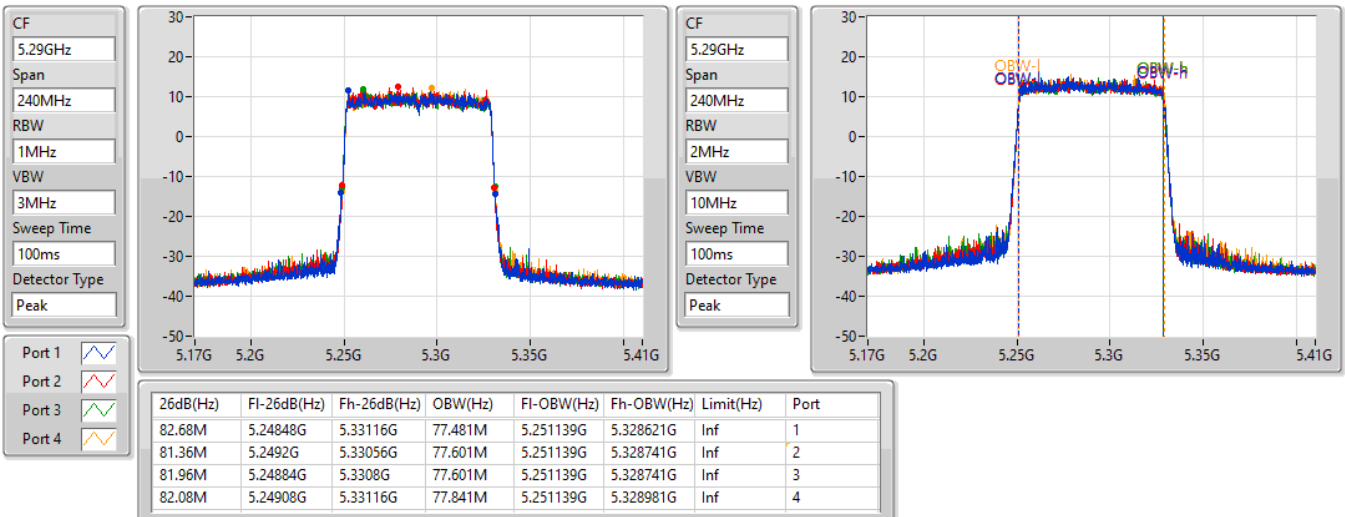


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5210MHz

08/06/2022

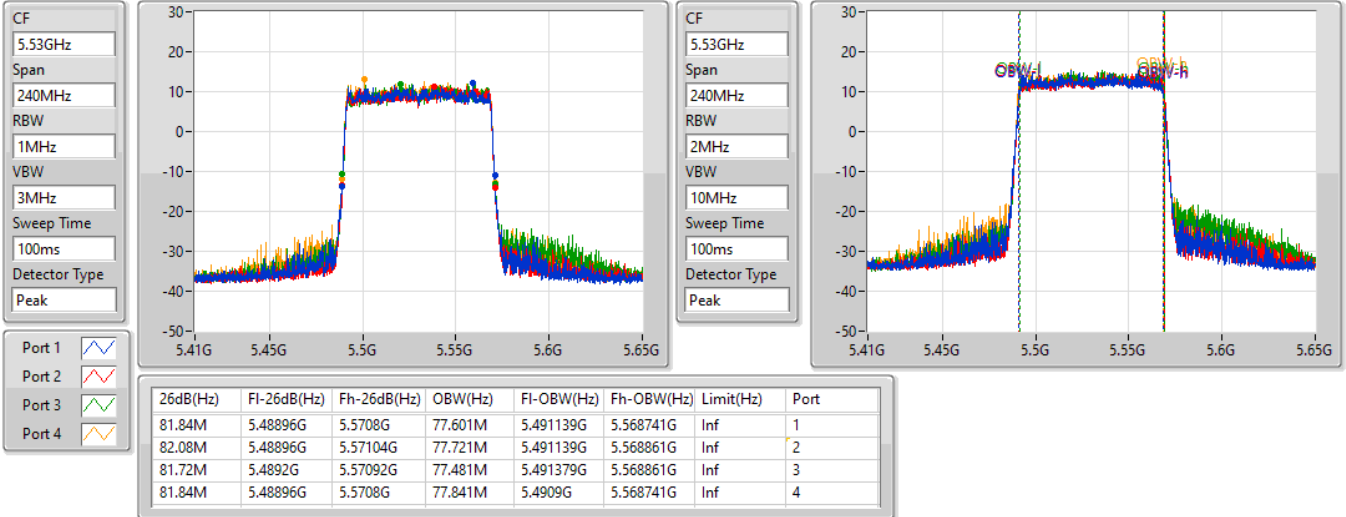

802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5290MHz

08/06/2022

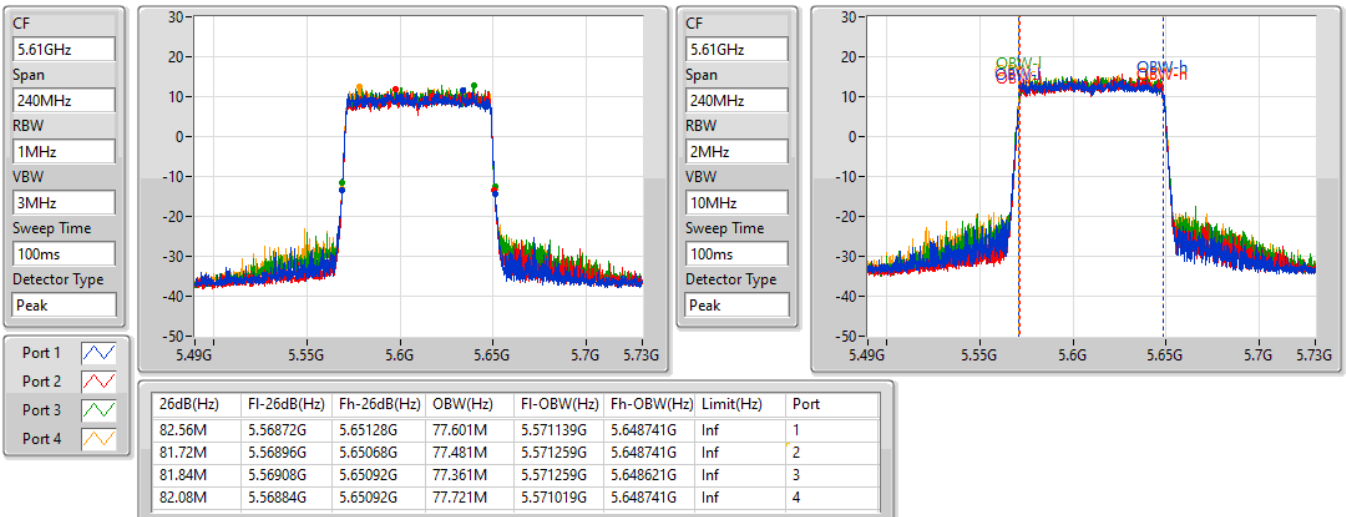


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5530MHz

08/06/2022


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5610MHz

08/06/2022

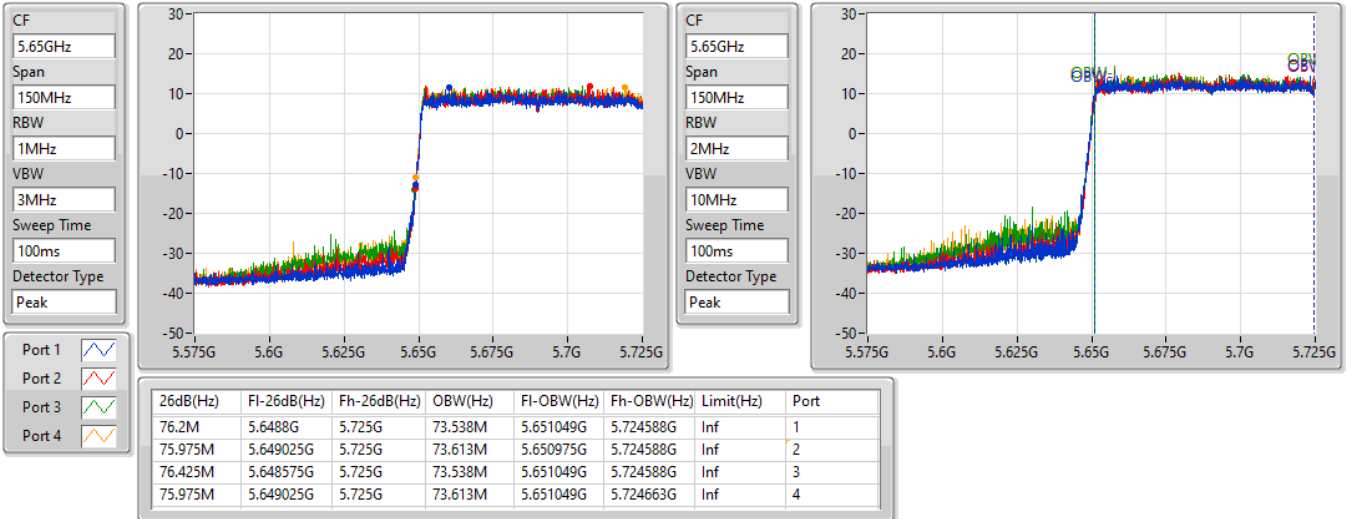


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

08/06/2022

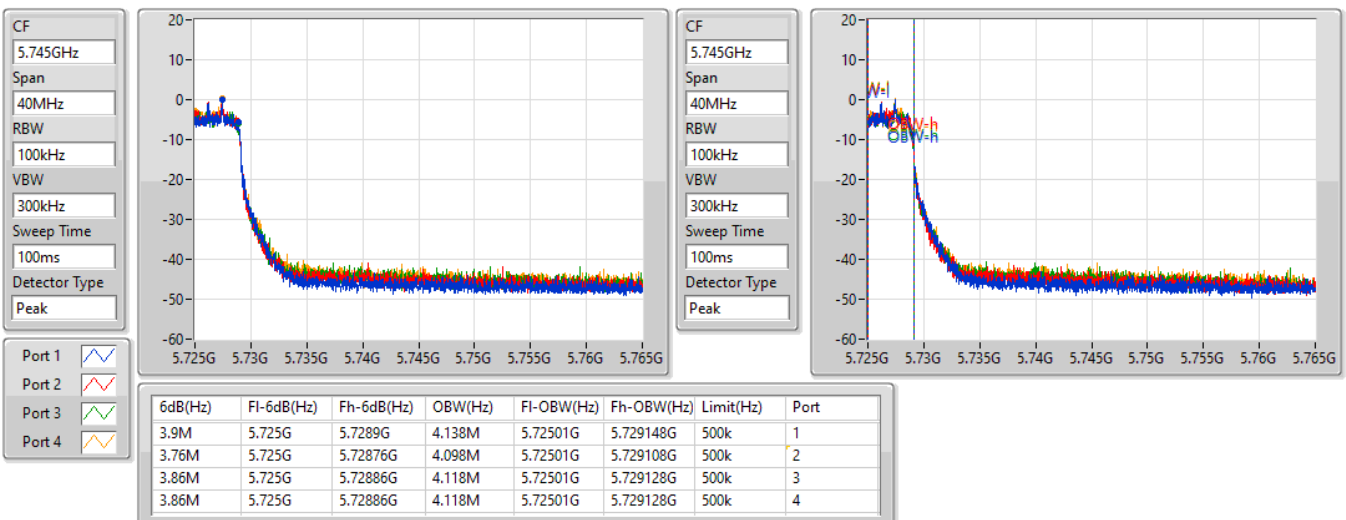


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

08/06/2022

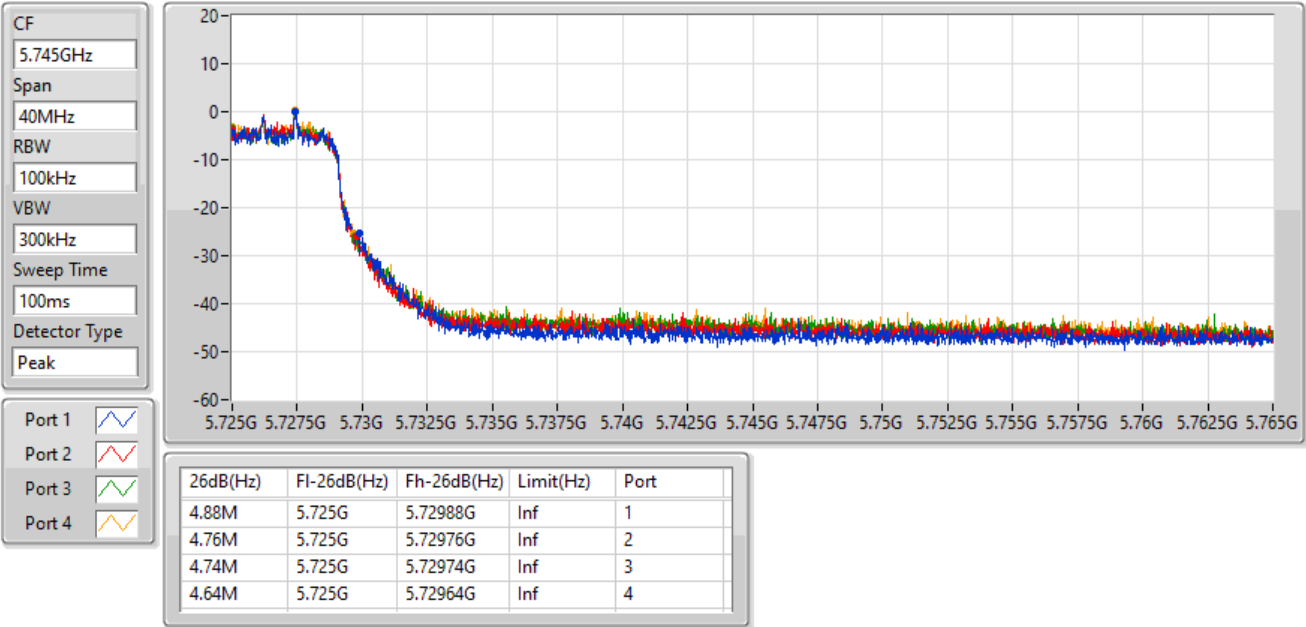


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

08/06/2022

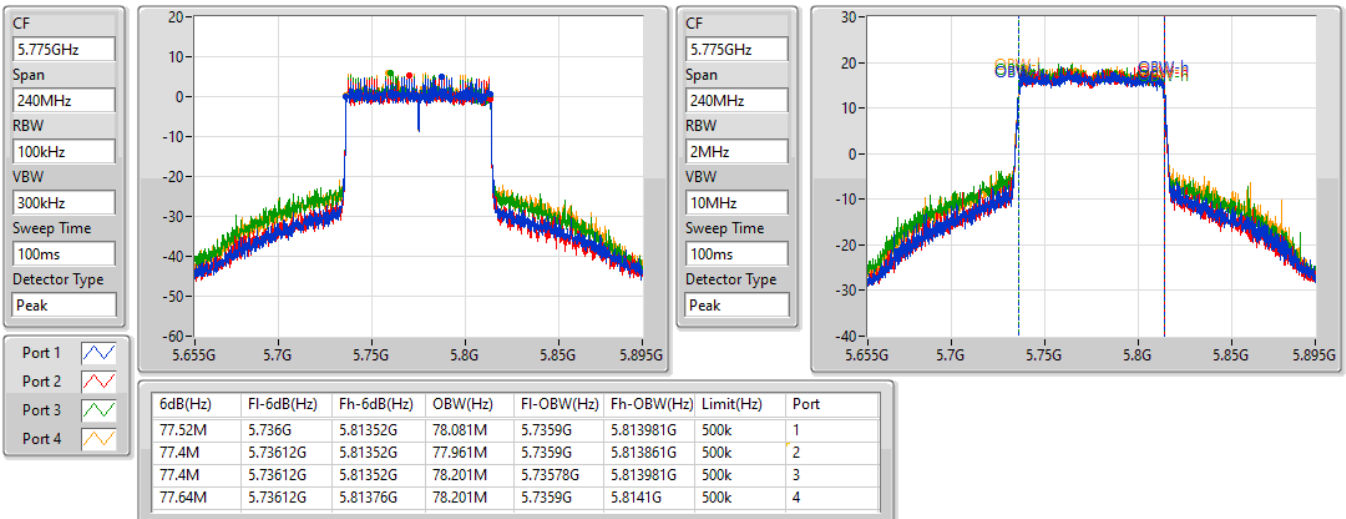


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5775MHz

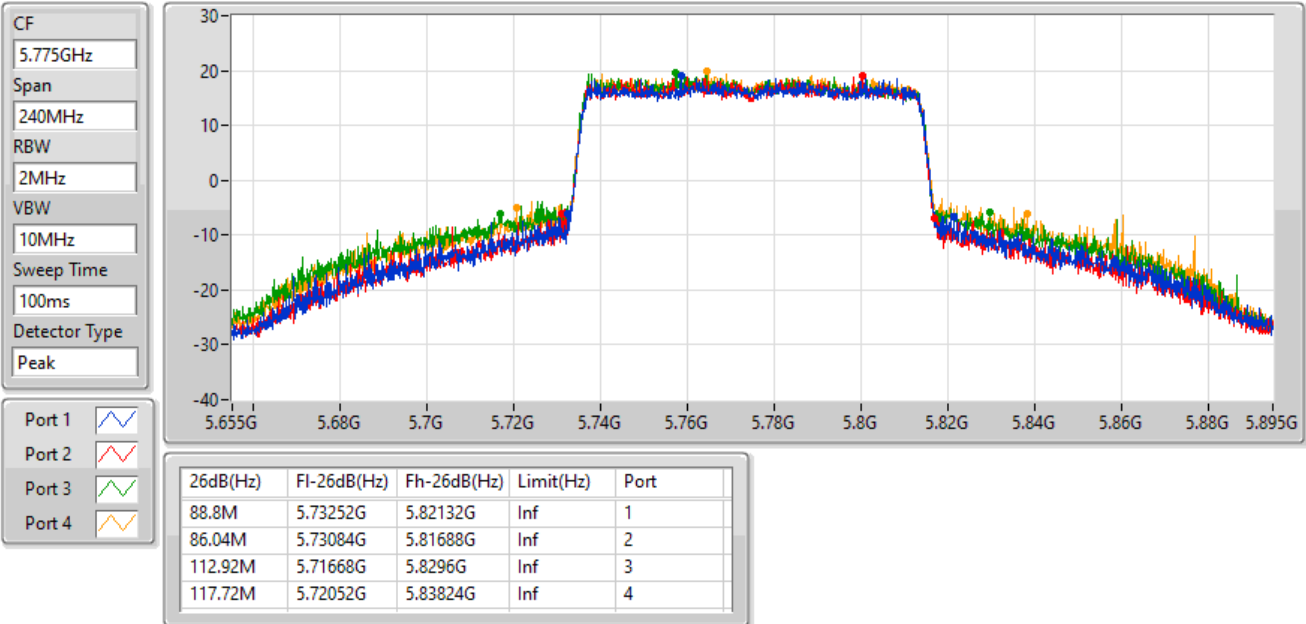
08/06/2022



802.11ax HEW80_Nss1,(MCS0)_4TX

EBW
5775MHz

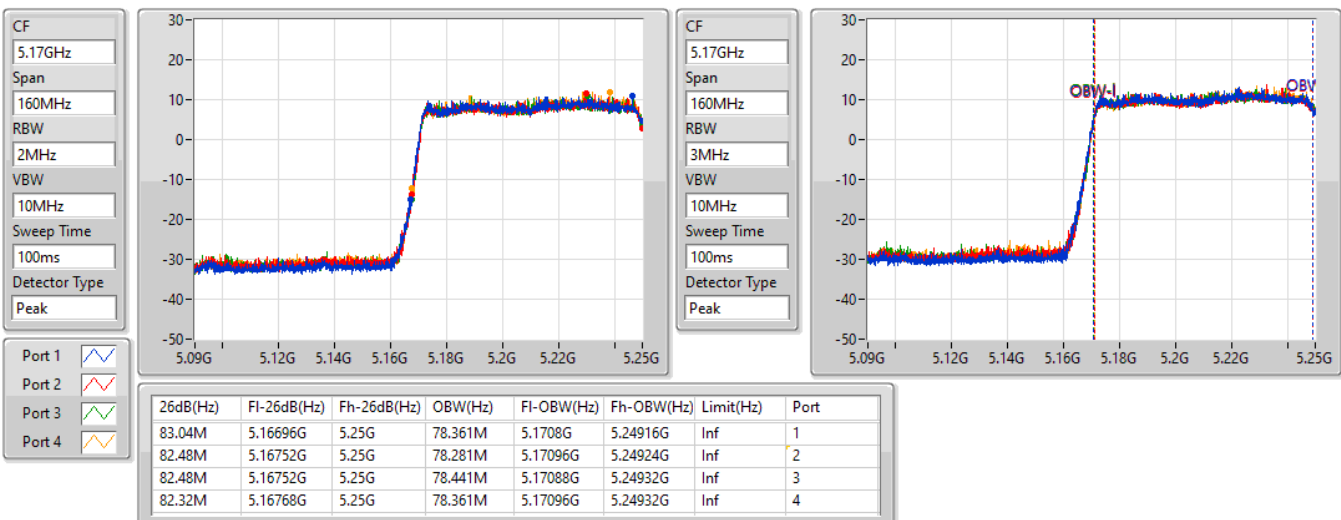
08/06/2022



802.11ax HEW160_Nss1,(MCS0)_4TX

EBW
5250MHz Straddle 5.15-5.25GHz

08/06/2022

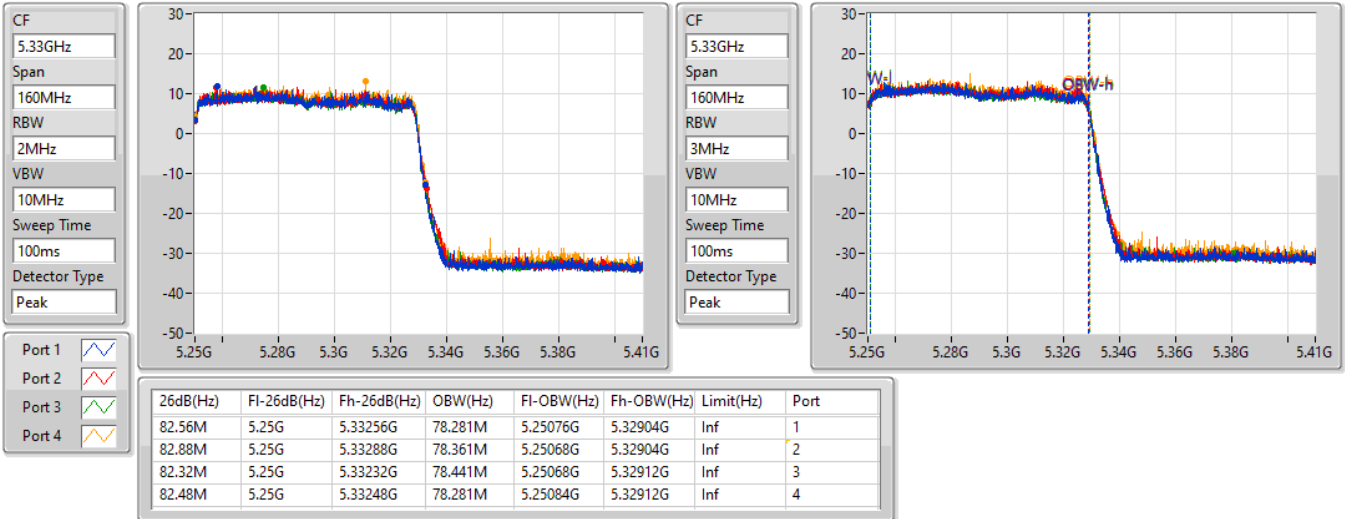


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

08/06/2022

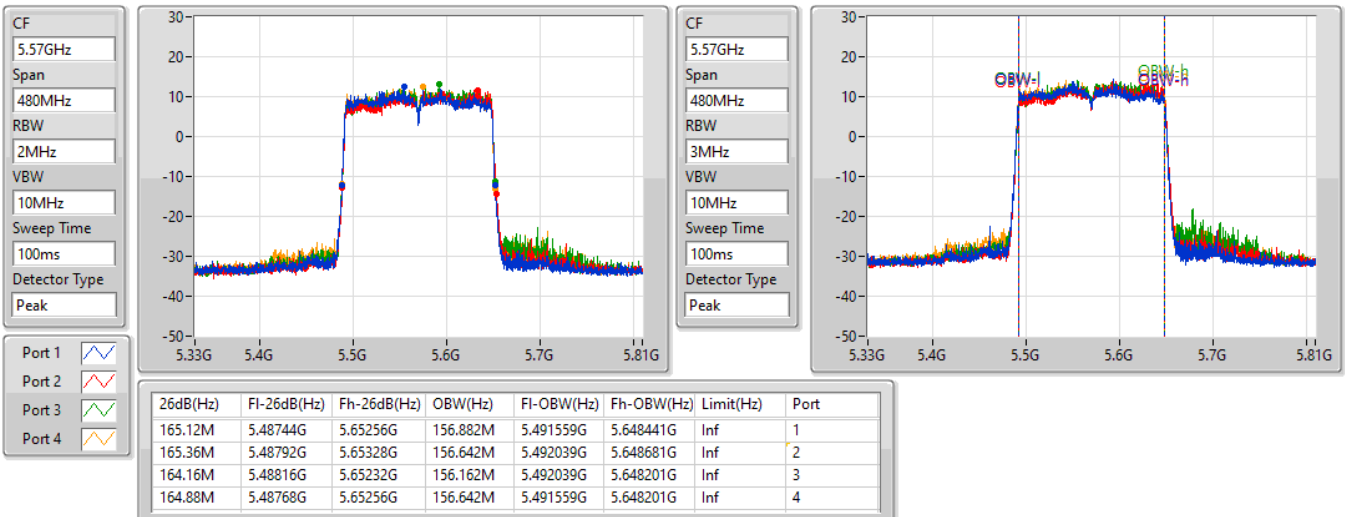


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5570MHz

08/06/2022



**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.20	0.83176
802.11ax HEW20_Nss1,(MCS0)_4TX	29.94	0.98628
802.11ax HEW40_Nss1,(MCS0)_4TX	28.72	0.74473
802.11ax HEW80_Nss1,(MCS0)_4TX	23.51	0.22439
802.11ax HEW160_Nss1,(MCS0)_4TX	19.80	0.09550
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.94	0.98628
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	28.72	0.74473
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.51	0.22439
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	19.80	0.09550
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	22.49	0.17742
802.11ax HEW20_Nss1,(MCS0)_4TX	23.37	0.21727
802.11ax HEW40_Nss1,(MCS0)_4TX	23.92	0.24660
802.11ax HEW80_Nss1,(MCS0)_4TX	23.52	0.22491
802.11ax HEW160_Nss1,(MCS0)_4TX	20.49	0.11194
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.37	0.21727
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.38	0.21777
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.37	0.21727
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	20.49	0.11194
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.15	0.20654
802.11ax HEW20_Nss1,(MCS0)_4TX	23.79	0.23933
802.11ax HEW40_Nss1,(MCS0)_4TX	23.95	0.24831
802.11ax HEW80_Nss1,(MCS0)_4TX	23.96	0.24889
802.11ax HEW160_Nss1,(MCS0)_4TX	22.97	0.19815
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.79	0.23933
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.95	0.24831
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.96	0.24889
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	22.97	0.19815
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.95	0.98855
802.11ax HEW20_Nss1,(MCS0)_4TX	29.92	0.98175
802.11ax HEW40_Nss1,(MCS0)_4TX	29.94	0.98628
802.11ax HEW80_Nss1,(MCS0)_4TX	27.75	0.59566
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.92	0.98175
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.94	0.98628
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	27.75	0.59566

**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	4.22	22.37	22.53	22.52	22.8	28.58	30.00
5200MHz	Pass	4.22	22.98	23.09	23.05	23.58	29.20	30.00
5240MHz	Pass	4.22	22.53	22.74	22.85	23.48	28.94	30.00
5260MHz	Pass	4.47	16.22	16.2	16.34	16.94	22.46	23.98
5300MHz	Pass	4.47	16.33	16.28	16.25	16.98	22.49	23.98
5320MHz	Pass	4.47	16.17	16.3	16.28	16.84	22.43	23.98
5500MHz	Pass	4.36	16.64	16.47	16.95	17.05	22.80	23.98
5580MHz	Pass	4.36	16.98	16.86	17.63	16.99	23.15	23.98
5700MHz	Pass	4.36	16.58	16.84	17.07	17.13	22.93	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.36	16.42	16.67	16.8	16.9	22.72	22.94
5720MHz Straddle 5.725-5.85GHz	Pass	5.32	10.21	10.23	10.49	10.68	16.43	30.00
5745MHz	Pass	5.32	23.42	23.45	24.31	23.88	29.80	30.00
5785MHz	Pass	5.32	23.41	23.33	24.16	23.99	29.76	30.00
5825MHz	Pass	5.32	23.66	23.73	24.18	24.13	29.95	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.22	20.52	20.41	20.87	21.37	26.83	30.00
5200MHz	Pass	4.22	23.65	23.91	23.79	24.26	29.93	30.00
5240MHz	Pass	4.22	23.66	23.9	23.65	24.41	29.94	30.00
5260MHz	Pass	4.47	17.01	17.22	17.23	17.9	23.37	23.98
5300MHz	Pass	4.47	16.85	17	17.15	17.63	23.19	23.98
5320MHz	Pass	4.47	16.7	16.9	17.15	17.59	23.12	23.98
5500MHz	Pass	4.36	17.42	17.31	17.34	17.64	23.45	23.98
5580MHz	Pass	4.36	17.64	17.5	17.96	17.96	23.79	23.98
5700MHz	Pass	4.36	17.09	17.3	17.31	17.35	23.28	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.36	16.68	16.84	16.92	17.07	22.90	22.97
5720MHz Straddle 5.725-5.85GHz	Pass	5.32	11.57	11.72	11.64	11.92	17.74	30.00
5745MHz	Pass	5.32	23.5	23.59	24.53	23.91	29.92	30.00
5785MHz	Pass	5.32	23.45	23.54	24.4	23.96	29.87	30.00
5825MHz	Pass	5.32	23.65	23.56	24.21	23.95	29.87	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.22	17.7	17.65	17.69	18.03	23.79	30.00
5230MHz	Pass	4.22	22.71	22.49	22.4	23.14	28.72	30.00
5270MHz	Pass	4.47	17.63	17.56	17.87	18	23.79	23.98
5310MHz	Pass	4.47	17.78	17.84	17.63	18.33	23.92	23.98
5510MHz	Pass	4.36	17.2	17.35	17.79	17.95	23.60	23.98
5550MHz	Pass	4.36	17.41	17.59	18.18	17.99	23.82	23.98
5670MHz	Pass	4.36	17.28	17.61	18.1	18.08	23.80	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.36	17.55	17.66	18.25	18.22	23.95	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.32	8.12	8.35	8.43	8.57	14.39	30.00
5755MHz	Pass	5.32	23.33	23.34	24.66	24.18	29.94	30.00
5795MHz	Pass	5.32	23.38	23.37	24.45	24.21	29.90	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.22	17.34	17.2	17.42	17.95	23.51	30.00
5290MHz	Pass	4.47	17.49	17.41	17.3	17.79	23.52	23.98
5530MHz	Pass	4.36	17.76	17.8	18.13	18.07	23.96	23.98
5610MHz	Pass	4.36	17.4	17.35	18.08	18.05	23.75	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.36	17.44	17.55	17.96	18.17	23.81	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.32	4.45	4.82	4.66	5.06	10.77	30.00
5775MHz	Pass	5.32	21.36	21.41	21.91	22.18	27.75	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	4.22	13.82	13.74	13.6	13.95	19.80	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.47	14.25	14.28	14.1	15.18	20.49	23.98
5570MHz	Pass	4.36	16.68	16.68	17.18	17.23	22.97	23.98
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
5180MHz	Pass	5.59	20.52	20.41	20.87	21.37	26.83	30.00
5200MHz	Pass	5.59	23.65	23.91	23.79	24.26	29.93	30.00
5240MHz	Pass	5.59	23.66	23.9	23.65	24.41	29.94	30.00
5260MHz	Pass	6.52	17.01	17.22	17.23	17.9	23.37	23.46
5300MHz	Pass	6.52	16.85	17	17.15	17.63	23.19	23.46
5320MHz	Pass	6.52	16.7	16.9	17.15	17.59	23.12	23.46
5500MHz	Pass	5.51	17.42	17.31	17.34	17.64	23.45	23.98
5580MHz	Pass	5.51	17.64	17.5	17.96	17.96	23.79	23.98
5700MHz	Pass	5.51	17.09	17.3	17.31	17.35	23.28	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.51	16.68	16.84	16.92	17.07	22.90	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	5.95	11.57	11.72	11.64	11.92	17.74	30.00
5745MHz	Pass	5.95	23.5	23.59	24.53	23.91	29.92	30.00
5785MHz	Pass	5.95	23.45	23.54	24.4	23.96	29.87	30.00
5825MHz	Pass	5.95	23.65	23.56	24.21	23.95	29.87	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.59	17.7	17.65	17.69	18.03	23.79	30.00
5230MHz	Pass	5.59	22.71	22.49	22.4	23.14	28.72	30.00
5270MHz	Pass	6.52	17.26	17.19	17.20	17.56	23.33	23.46
5310MHz	Pass	6.52	17.26	17.27	17.22	17.66	23.38	23.46
5510MHz	Pass	5.51	17.2	17.35	17.79	17.95	23.60	23.98
5550MHz	Pass	5.51	17.41	17.59	18.18	17.99	23.82	23.98
5670MHz	Pass	5.51	17.28	17.61	18.1	18.08	23.80	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.51	17.55	17.66	18.25	18.22	23.95	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.95	8.12	8.35	8.43	8.57	14.39	30.00
5755MHz	Pass	5.95	23.33	23.34	24.66	24.18	29.94	30.00
5795MHz	Pass	5.95	23.38	23.37	24.45	24.21	29.90	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.59	17.34	17.2	17.42	17.95	23.51	30.00
5290MHz	Pass	6.52	17.35	17.26	17.11	17.65	23.37	23.46
5530MHz	Pass	5.51	17.76	17.8	18.13	18.07	23.96	23.98
5610MHz	Pass	5.51	17.4	17.35	18.08	18.05	23.75	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.51	17.44	17.55	17.96	18.17	23.81	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.95	4.45	4.82	4.66	5.06	10.77	30.00
5775MHz	Pass	5.95	21.36	21.41	21.91	22.18	27.75	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.59	13.82	13.74	13.6	13.95	19.80	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	6.52	14.25	14.28	14.1	15.18	20.49	23.46
5570MHz	Pass	5.51	16.68	16.68	17.18	17.23	22.97	23.98

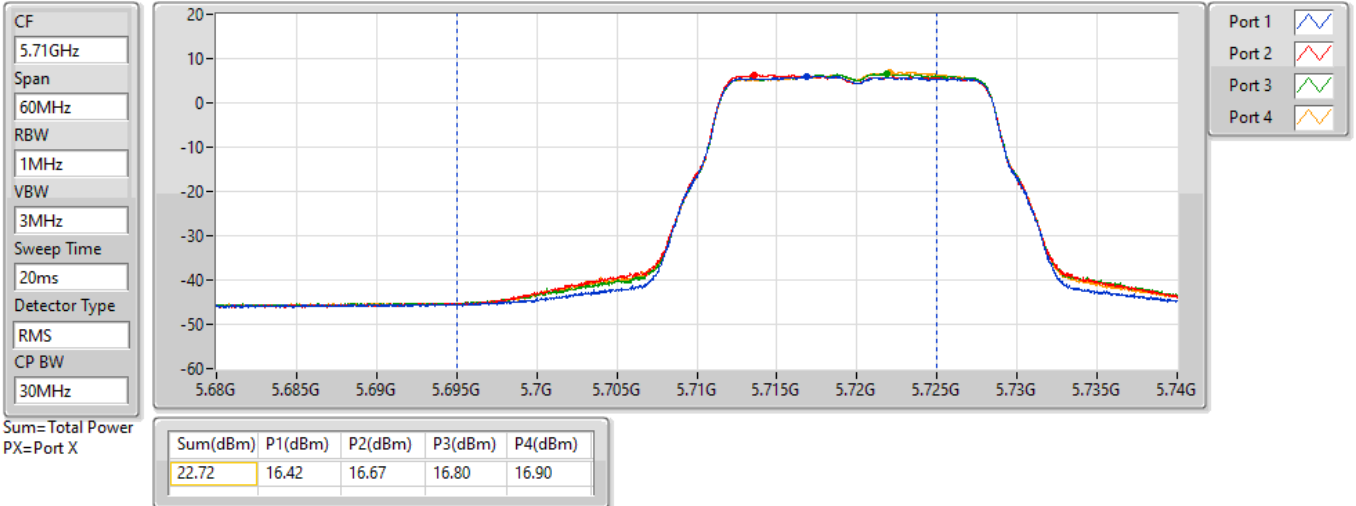
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

08/06/2022

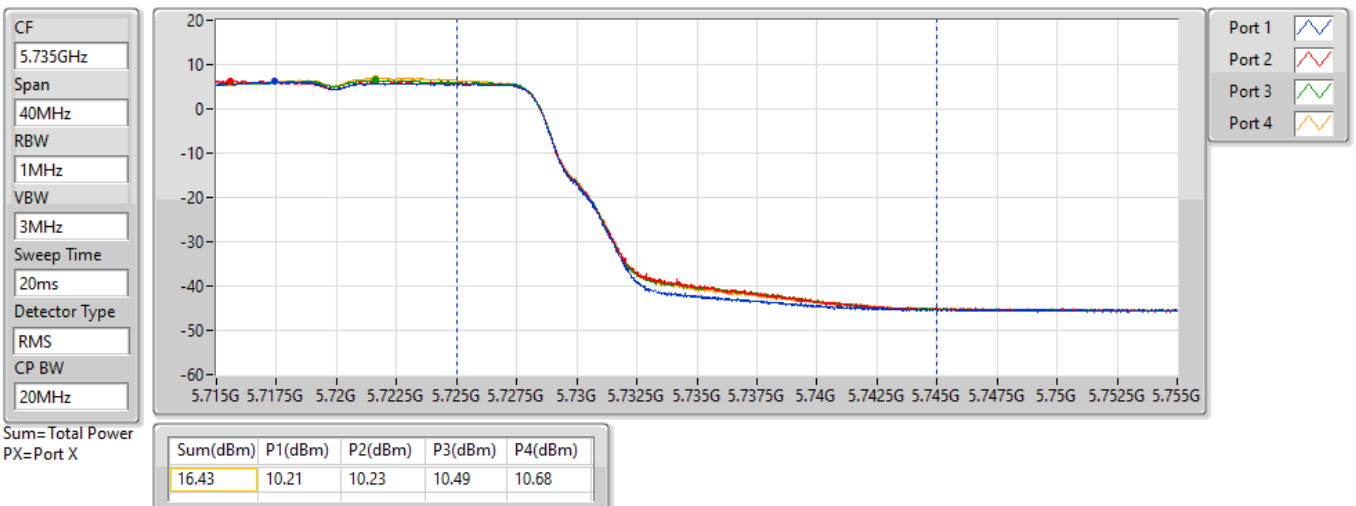


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

08/06/2022

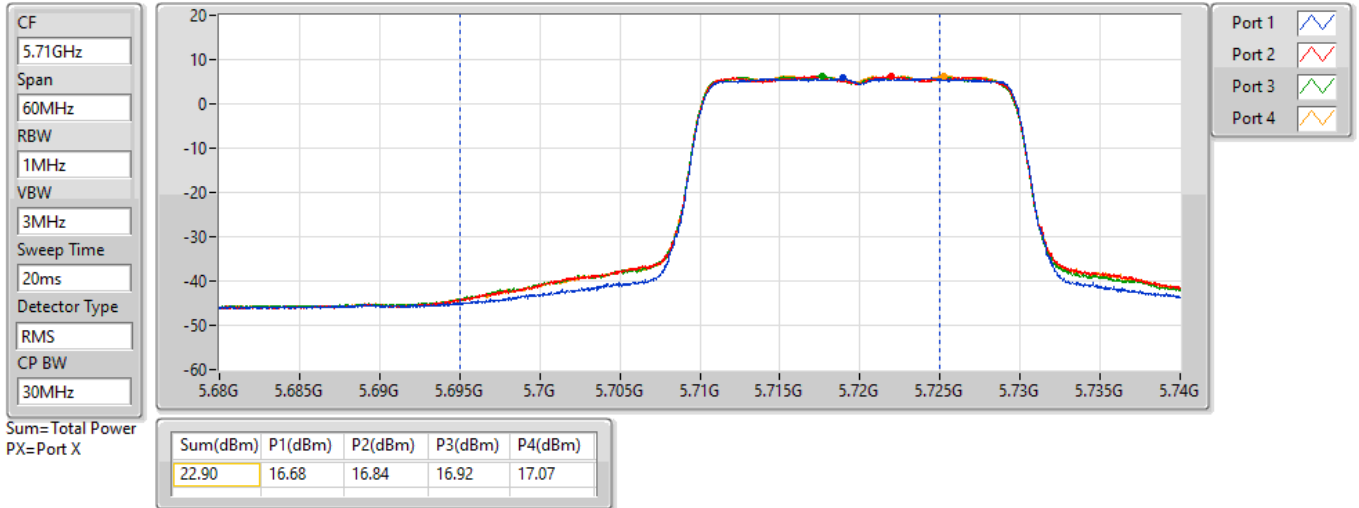


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

08/06/2022

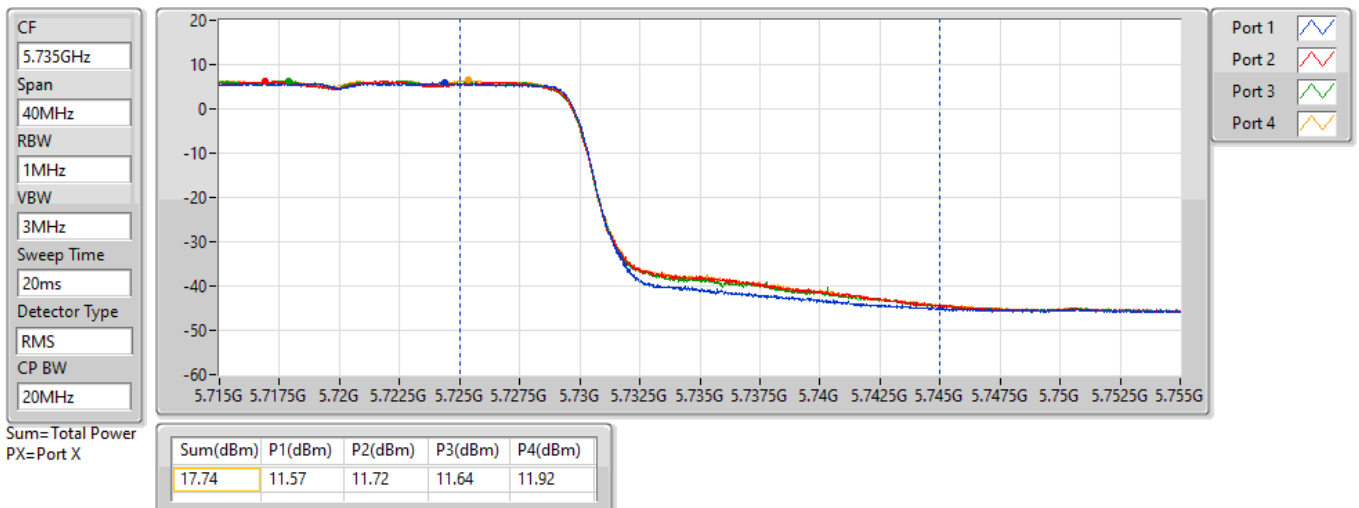


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

08/06/2022



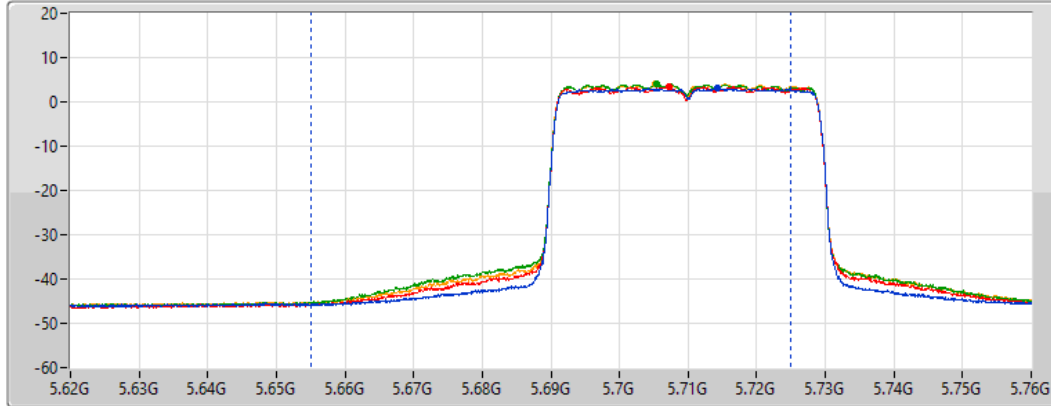
802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

08/06/2022

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)
23.95	17.55	17.66	18.25	18.22

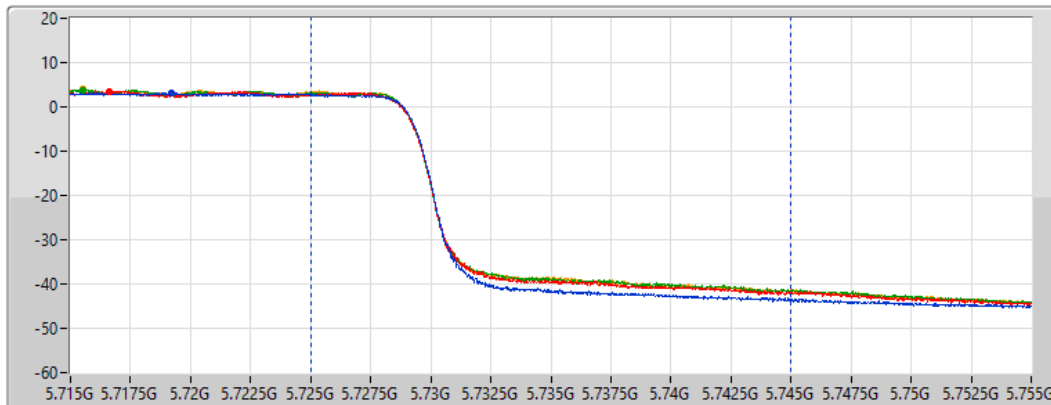
802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

08/06/2022

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

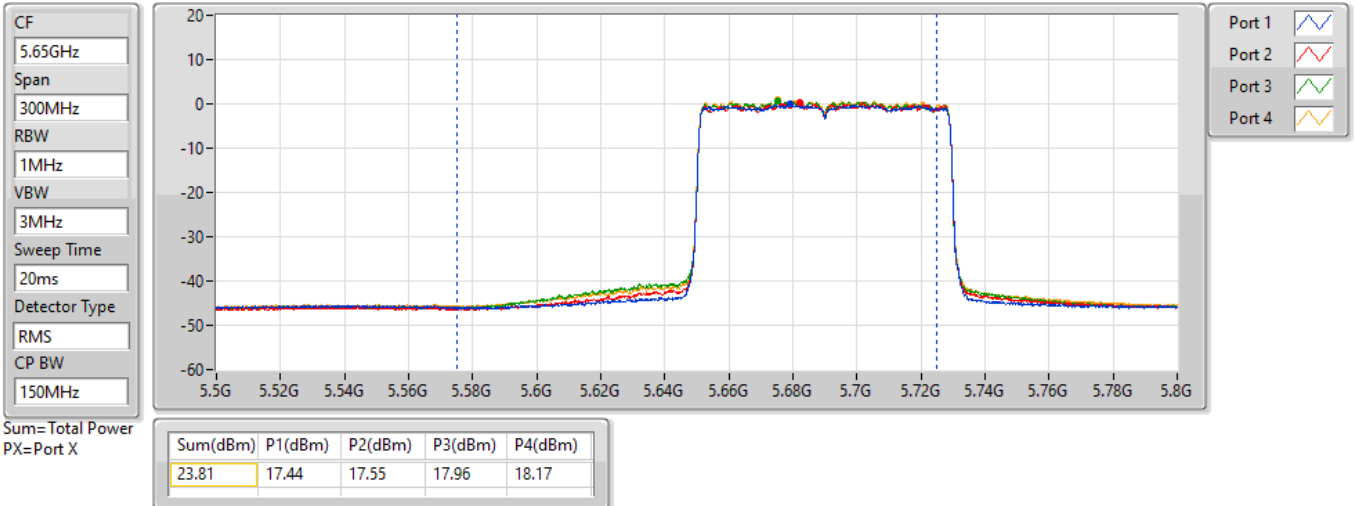
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.39	8.12	8.35	8.43	8.57

802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

08/06/2022

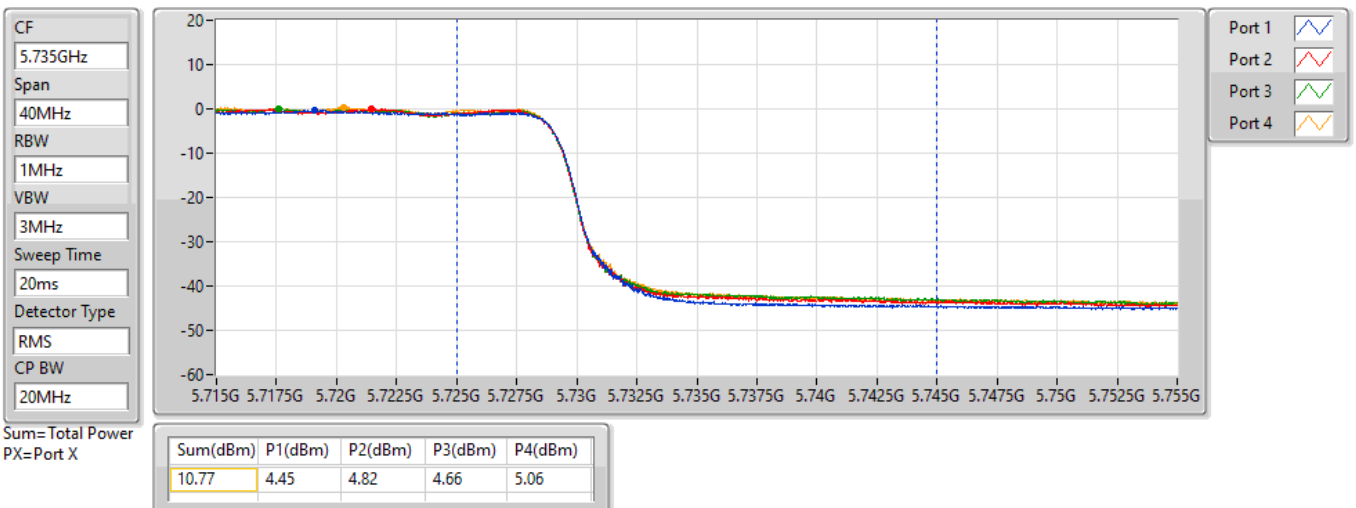


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

08/06/2022

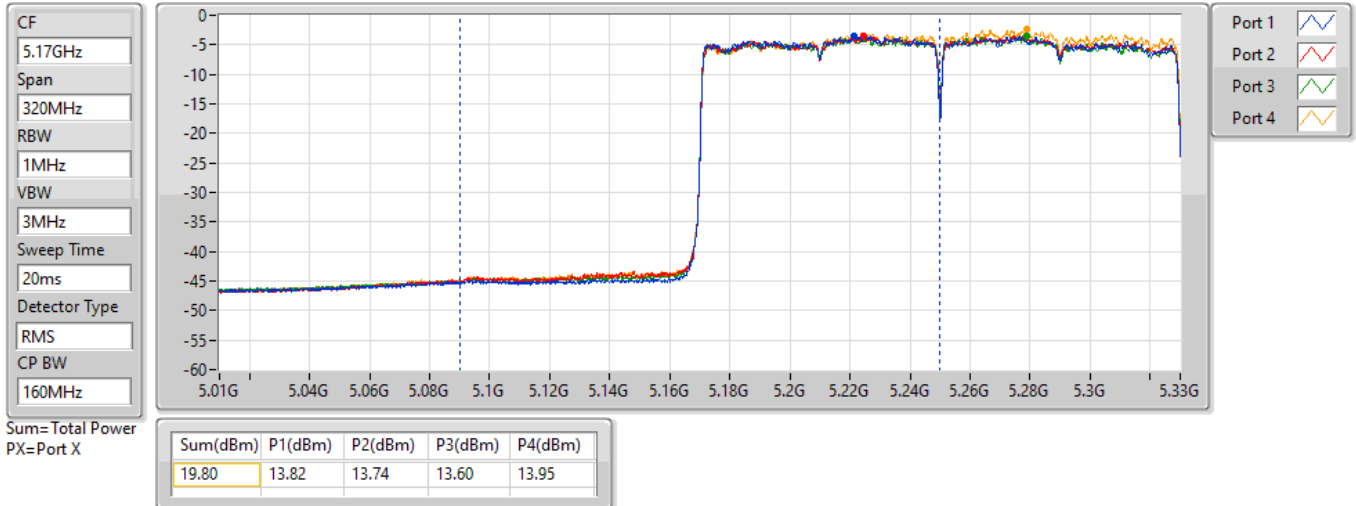


802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

08/06/2022

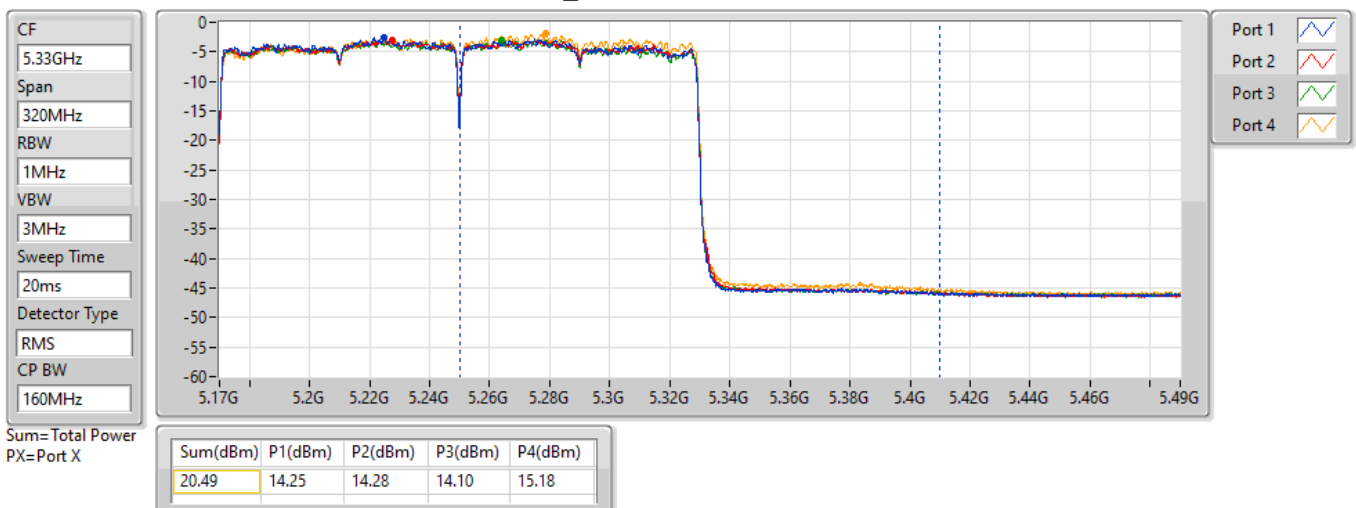


802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

08/06/2022



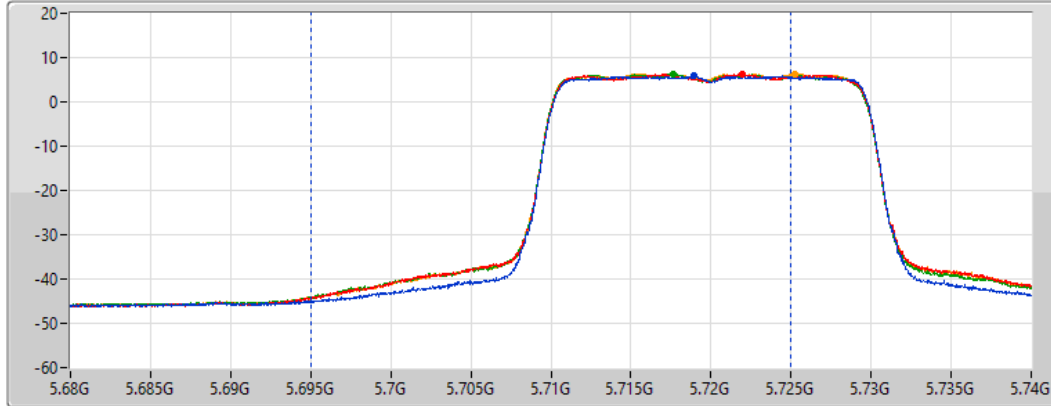
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

08/06/2022

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
30MHz



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.90	16.68	16.84	16.92	17.07

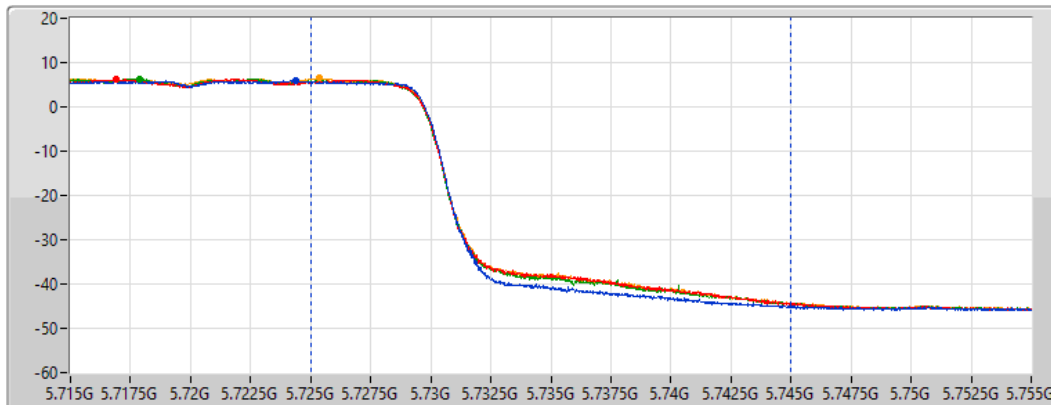
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

08/06/2022

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)
17.74	11.57	11.72	11.64	11.92

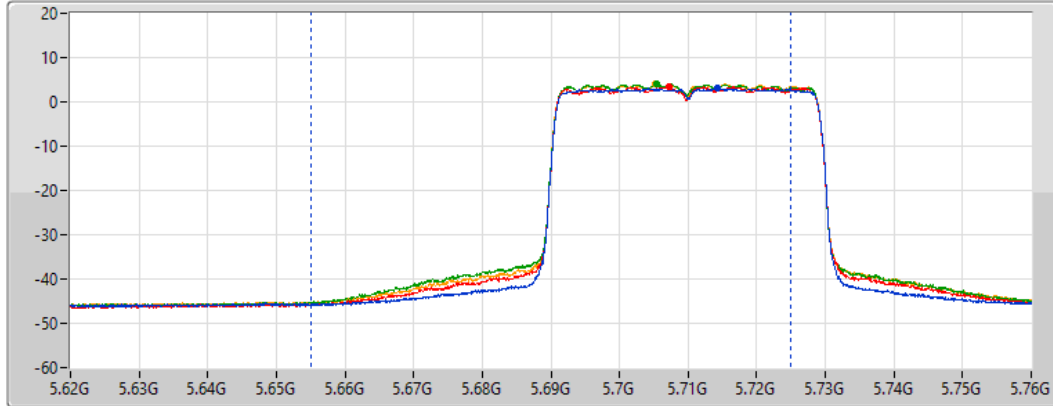
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

08/06/2022

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)
23.95	17.55	17.66	18.25	18.22

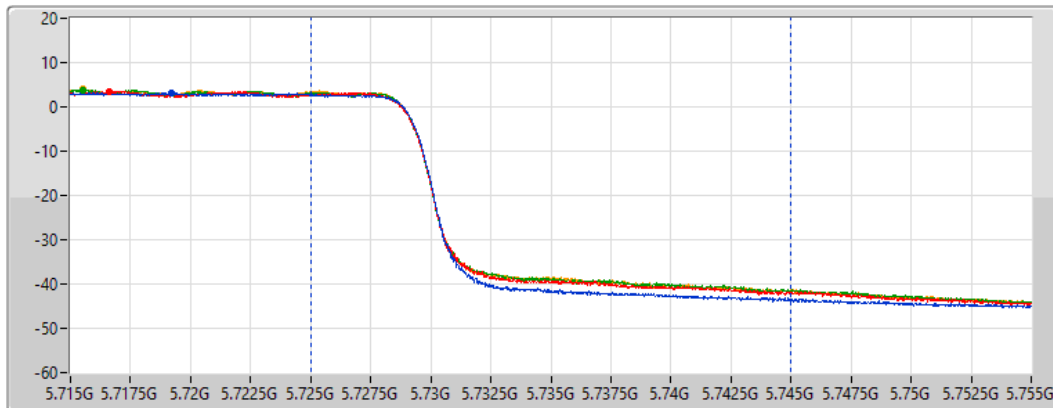
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

08/06/2022

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)
14.39	8.12	8.35	8.43	8.57

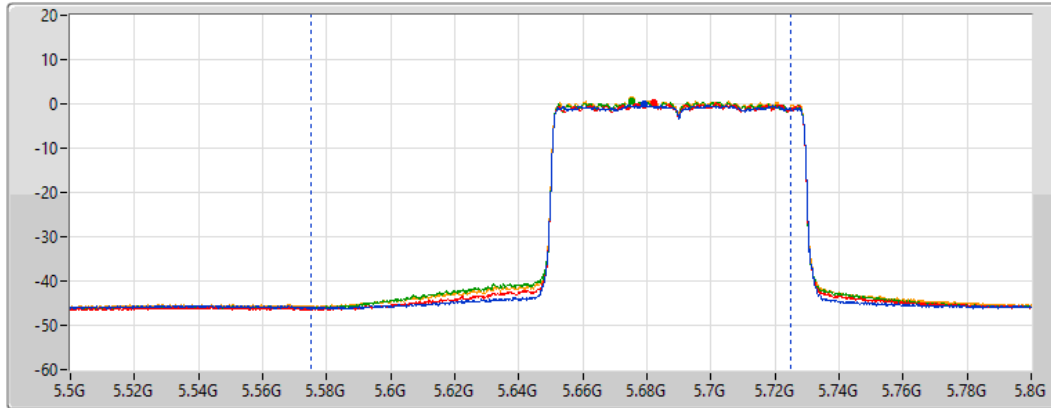
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

08/06/2022

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)
23.81	17.44	17.55	17.96	18.17

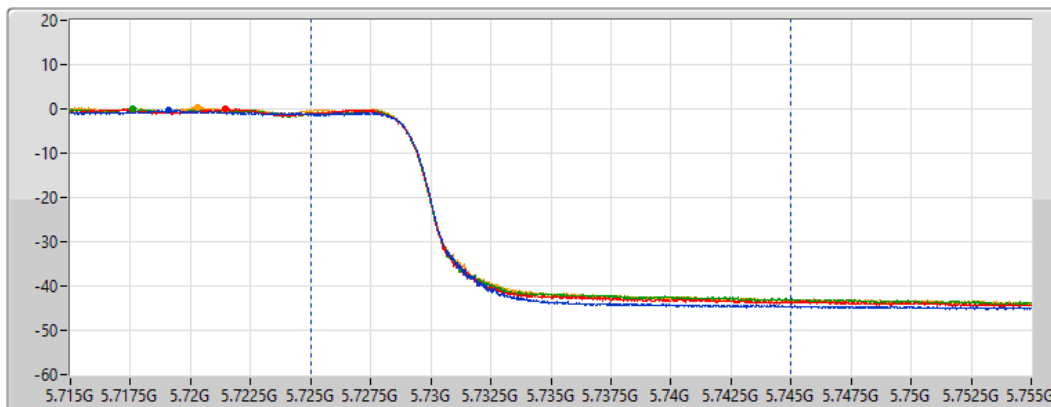
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

08/06/2022

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

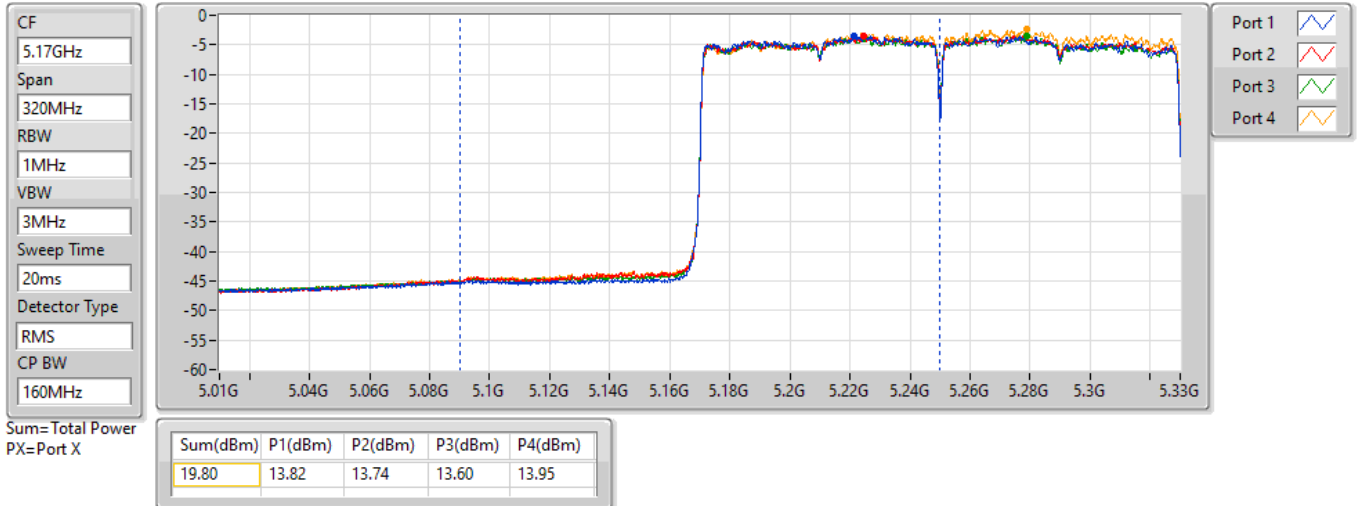
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.77	4.45	4.82	4.66	5.06

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

08/06/2022

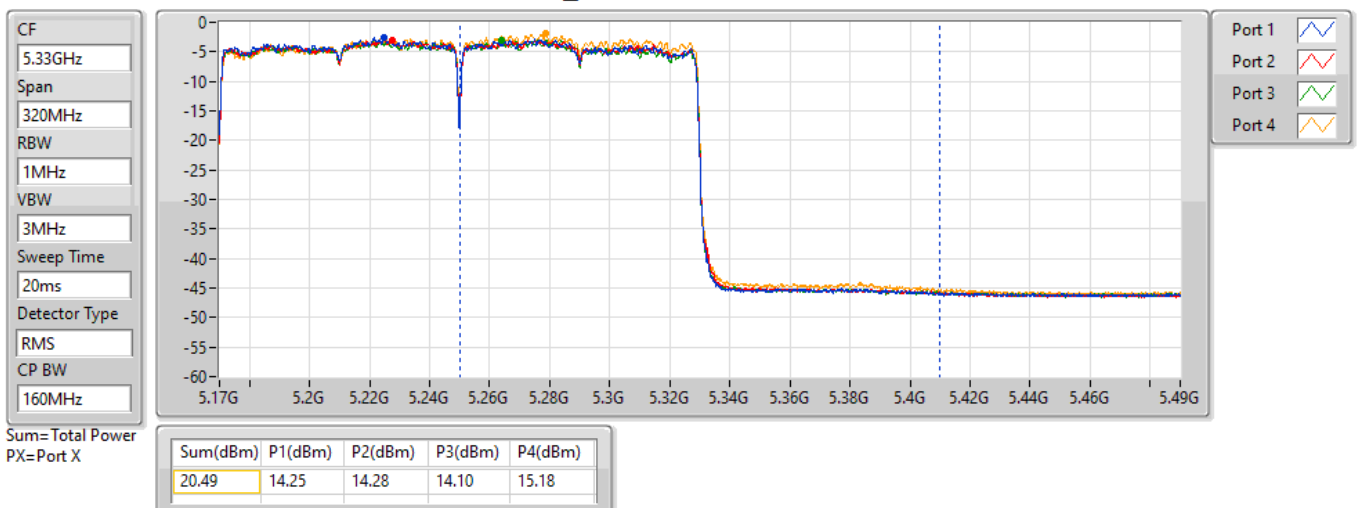


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

08/06/2022



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.80
802.11ax HEW20_Nss1,(MCS0)_4TX	16.91
802.11ax HEW40_Nss1,(MCS0)_4TX	12.89
802.11ax HEW80_Nss1,(MCS0)_4TX	4.87
802.11ax HEW160_Nss1,(MCS0)_4TX	0.84
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.45
802.11ax HEW20_Nss1,(MCS0)_4TX	10.47
802.11ax HEW40_Nss1,(MCS0)_4TX	8.26
802.11ax HEW80_Nss1,(MCS0)_4TX	5.08
802.11ax HEW160_Nss1,(MCS0)_4TX	1.63
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.95
802.11ax HEW20_Nss1,(MCS0)_4TX	10.85
802.11ax HEW40_Nss1,(MCS0)_4TX	8.17
802.11ax HEW80_Nss1,(MCS0)_4TX	5.61
802.11ax HEW160_Nss1,(MCS0)_4TX	2.32
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.94
802.11ax HEW20_Nss1,(MCS0)_4TX	15.42
802.11ax HEW40_Nss1,(MCS0)_4TX	12.72
802.11ax HEW80_Nss1,(MCS0)_4TX	7.85

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	5.59	10.34	10.46	10.17	11.46	16.32	17.00
5200MHz	Pass	5.59	10.99	11.03	10.70	12.10	16.80	17.00
5240MHz	Pass	5.59	10.79	10.73	10.63	12.05	16.52	17.00
5260MHz	Pass	6.52	4.64	4.48	4.29	5.84	10.34	10.48
5300MHz	Pass	6.52	4.44	4.36	4.19	5.73	10.45	10.48
5320MHz	Pass	6.52	4.34	4.31	4.36	5.69	10.45	10.48
5500MHz	Pass	5.51	5.08	4.66	5.43	5.96	10.90	11.00
5580MHz	Pass	5.51	4.98	4.84	5.92	5.55	10.95	11.00
5700MHz	Pass	5.51	4.72	4.68	5.36	5.44	10.82	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.51	4.69	4.99	5.20	5.52	10.88	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.95	2.50	2.70	2.93	3.41	8.90	30.00
5745MHz	Pass	5.95	9.74	9.95	10.70	10.53	15.94	30.00
5785MHz	Pass	5.95	9.67	9.93	10.55	10.61	15.94	30.00
5825MHz	Pass	5.95	9.79	9.95	10.40	10.59	15.85	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.59	8.04	7.74	8.16	8.87	13.90	17.00
5200MHz	Pass	5.59	10.85	10.66	10.95	11.52	16.70	17.00
5240MHz	Pass	5.59	10.98	10.91	11.02	11.86	16.91	17.00
5260MHz	Pass	6.52	4.61	4.47	4.78	5.42	10.47	10.48
5300MHz	Pass	6.52	4.58	4.31	4.77	5.36	10.46	10.48
5320MHz	Pass	6.52	4.44	4.29	4.74	5.34	10.40	10.48
5500MHz	Pass	5.51	5.04	4.62	5.14	5.60	10.70	11.00
5580MHz	Pass	5.51	5.15	4.95	5.49	5.46	10.85	11.00
5700MHz	Pass	5.51	4.25	4.63	4.82	4.81	10.49	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.51	4.36	4.77	4.75	4.79	10.51	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.95	2.59	3.07	3.06	3.43	8.85	30.00
5745MHz	Pass	5.95	8.99	9.28	10.05	9.69	15.35	30.00
5785MHz	Pass	5.95	9.09	9.32	10.17	9.73	15.42	30.00
5825MHz	Pass	5.95	9.03	9.31	9.88	9.89	15.32	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.59	2.26	2.08	2.32	2.68	8.02	17.00
5230MHz	Pass	5.59	7.32	6.94	6.95	7.71	12.89	17.00
5270MHz	Pass	6.52	2.28	2.08	2.19	2.95	8.06	10.48
5310MHz	Pass	6.52	2.59	2.16	2.44	3.13	8.26	10.48
5510MHz	Pass	5.51	2.02	1.69	2.70	2.99	7.97	11.00
5550MHz	Pass	5.51	2.23	2.04	2.77	3.02	8.17	11.00
5670MHz	Pass	5.51	1.81	2.06	2.80	2.79	8.10	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.51	1.62	2.02	2.48	2.43	7.96	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.95	-0.19	0.15	0.41	0.71	6.13	30.00
5755MHz	Pass	5.95	5.98	6.32	7.53	7.02	12.61	30.00
5795MHz	Pass	5.95	6.10	6.40	7.45	7.38	12.72	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.59	-0.99	-1.18	-0.84	0.07	4.87	17.00
5290MHz	Pass	6.52	-0.77	-0.94	-0.71	-0.27	5.08	10.48
5530MHz	Pass	5.51	-0.14	-0.33	0.28	0.37	5.61	11.00
5610MHz	Pass	5.51	-0.53	-0.61	0.18	0.12	5.38	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.51	-1.61	-1.25	-0.87	-0.69	4.71	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.95	-3.66	-3.05	-2.95	-2.72	2.77	30.00
5775MHz	Pass	5.95	1.32	1.69	2.48	2.37	7.85	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.59	-4.53	-4.97	-5.18	-4.36	0.84	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	6.52	-4.35	-4.44	-4.25	-3.25	1.63	10.48
5570MHz	Pass	5.51	-3.38	-3.43	-2.59	-2.84	2.32	11.00



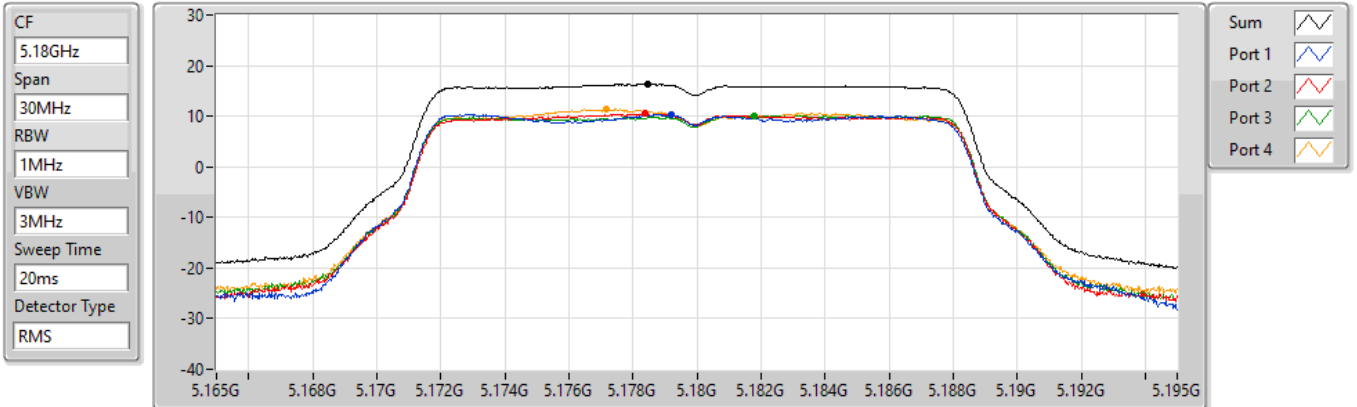
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

08/06/2022



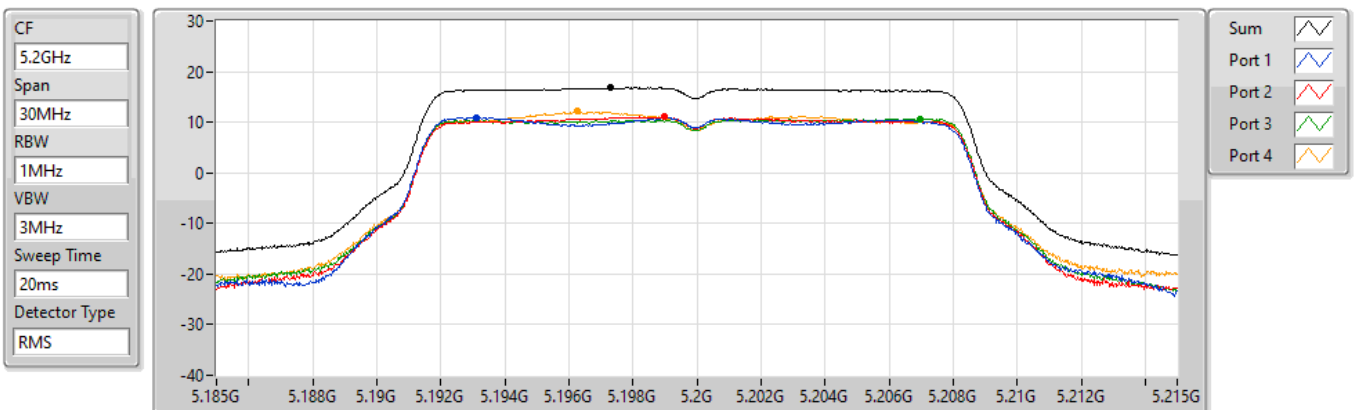
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.32	16.32	10.34	10.46	10.17	11.46

802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

08/06/2022



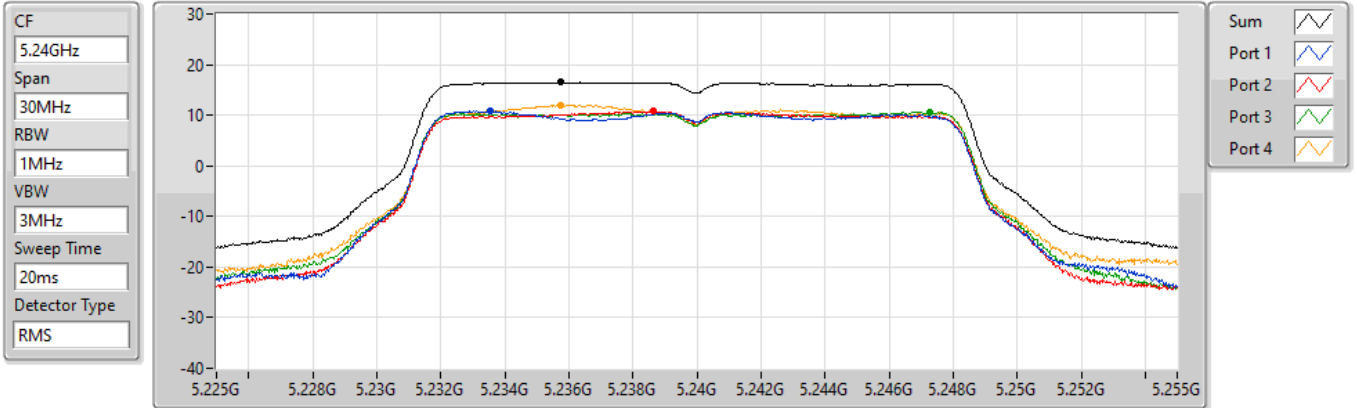
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.80	16.80	10.99	11.03	10.70	12.10

802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

08/06/2022

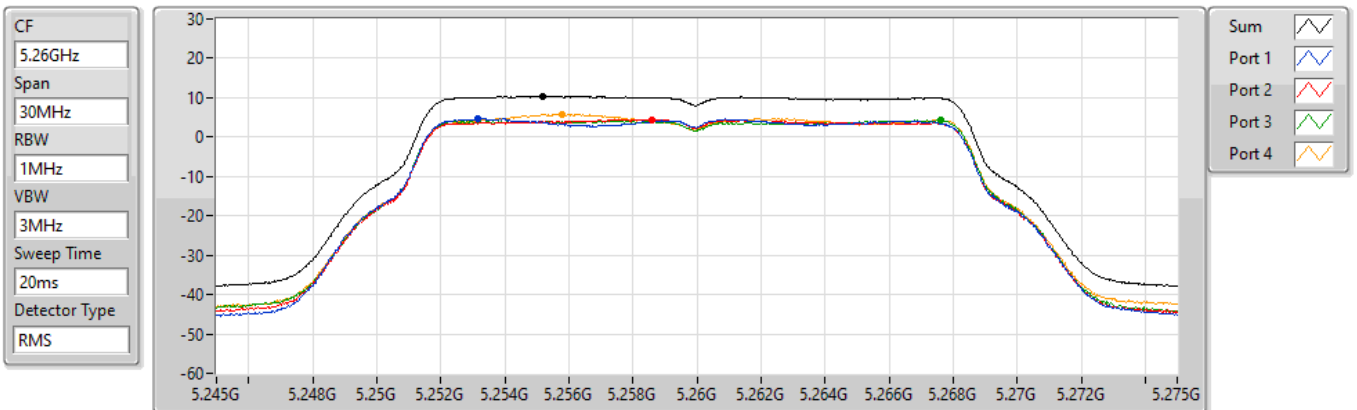


802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

08/06/2022

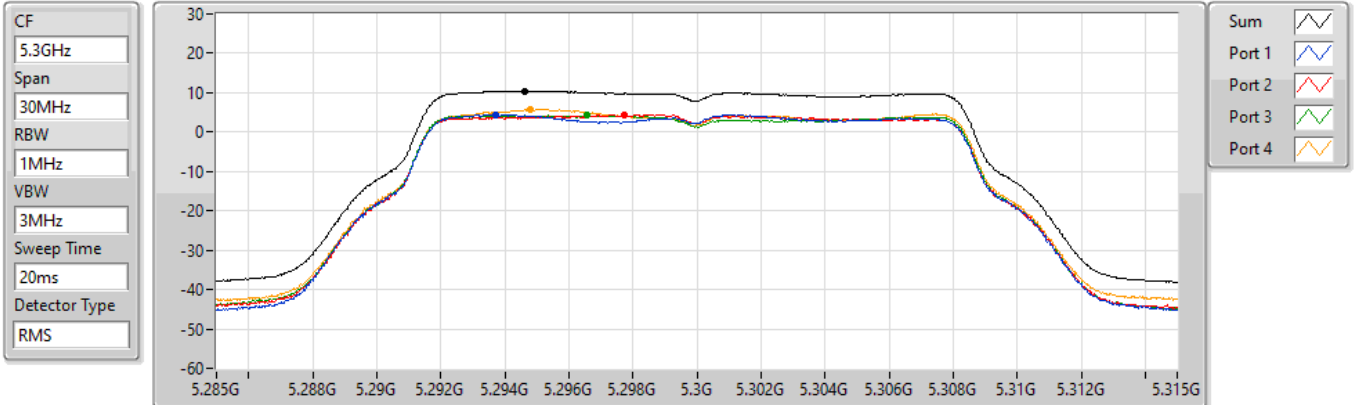


802.11a_Nss1,(6Mbps)_4TX

PSD

5300MHz

08/06/2022



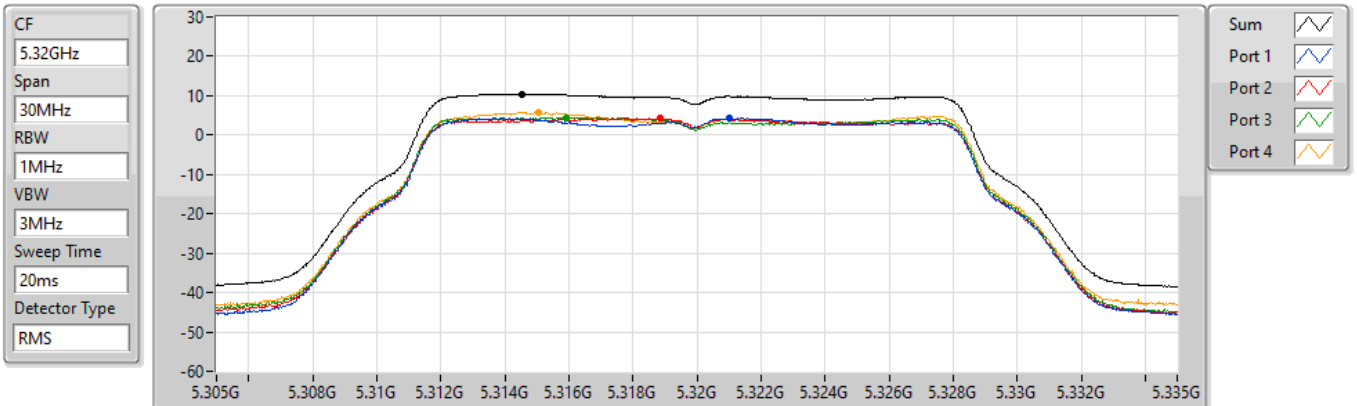
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.45	10.45	4.44	4.36	4.19	5.73

802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

08/06/2022



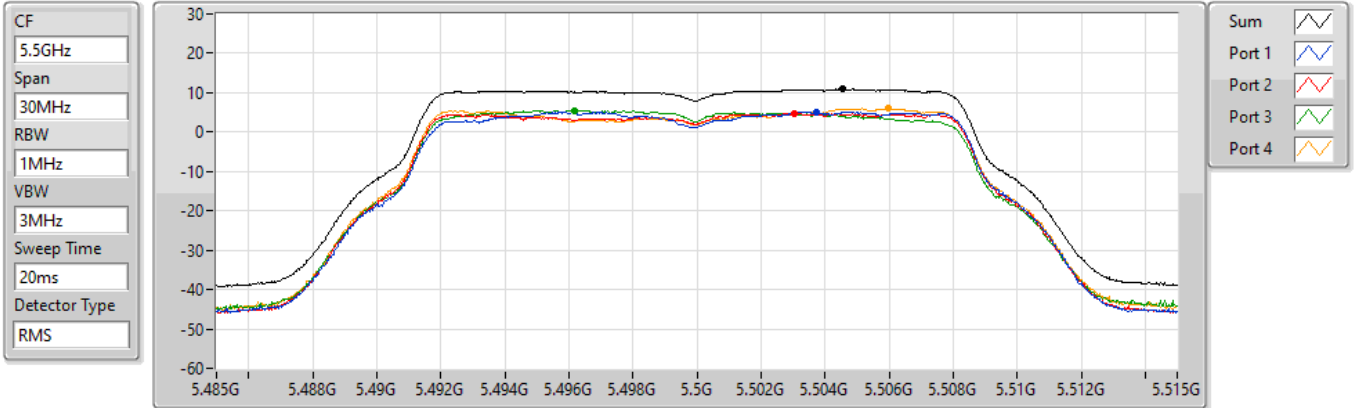
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.45	10.45	4.34	4.31	4.36	5.69

802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

08/06/2022



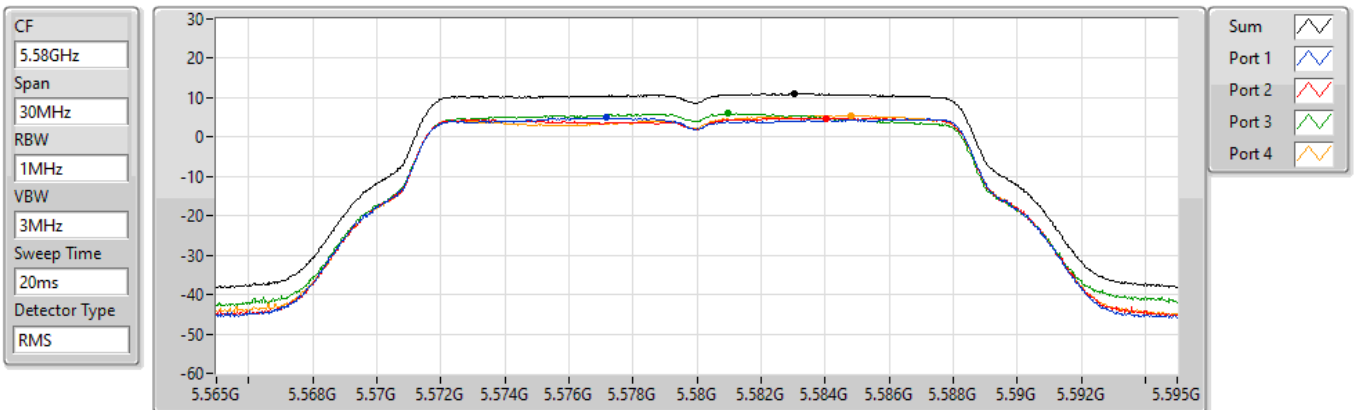
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.90	10.90	5.08	4.66	5.43	5.96

802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

08/06/2022



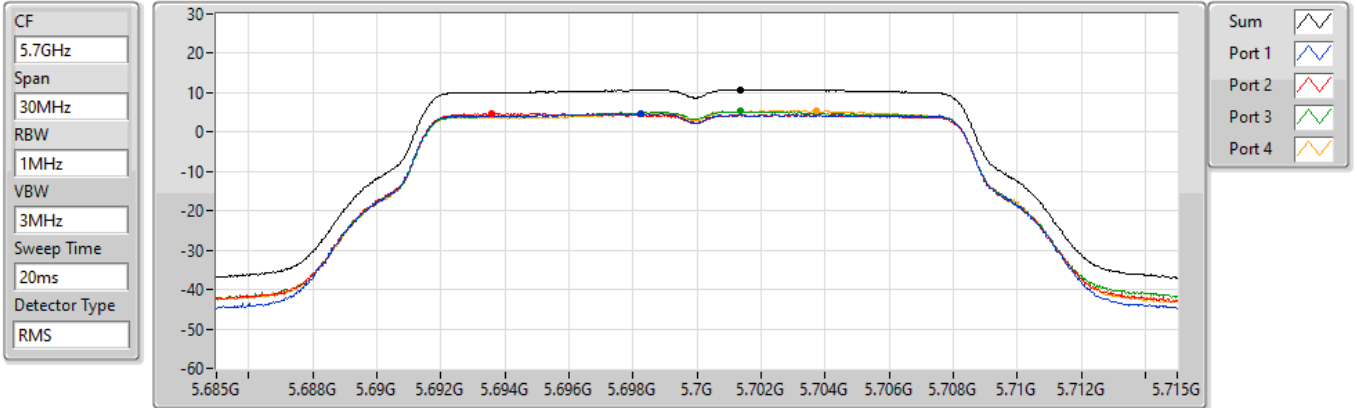
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.95	10.95	4.98	4.84	5.92	5.55

802.11a_Nss1,(6Mbps)_4TX

PSD

5700MHz

08/06/2022



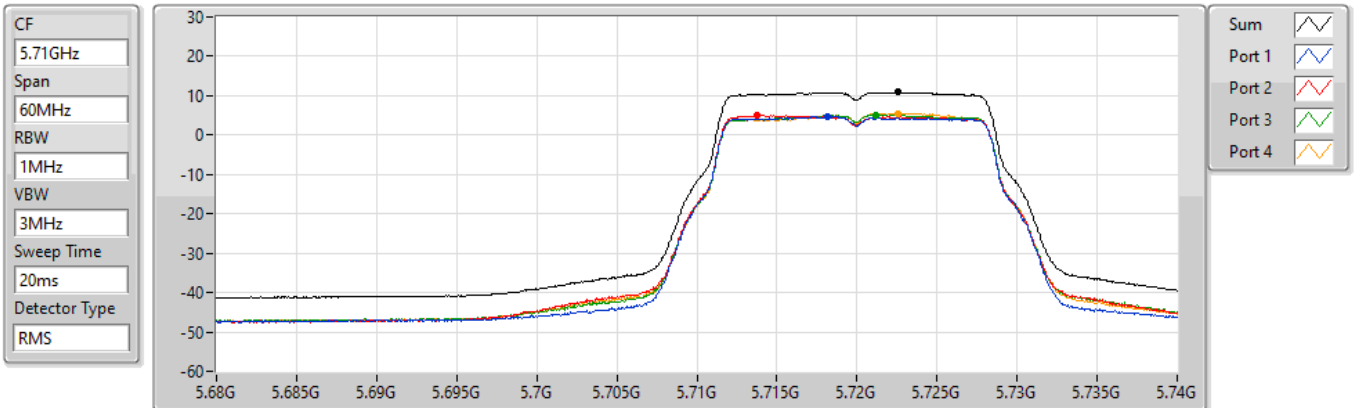
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.82	10.82	4.72	4.68	5.36	5.44

802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

08/06/2022



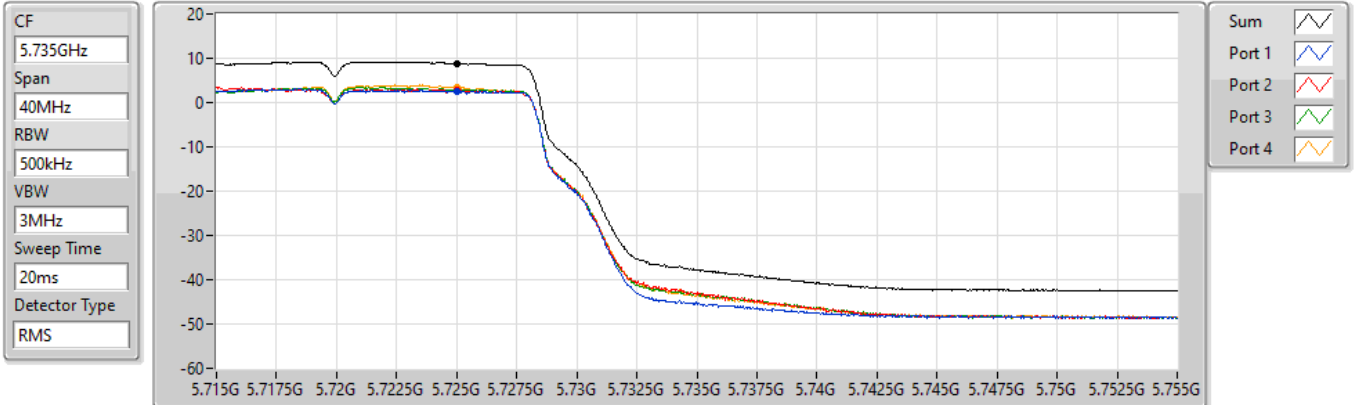
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.88	10.88	4.69	4.99	5.20	5.52

802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

08/06/2022

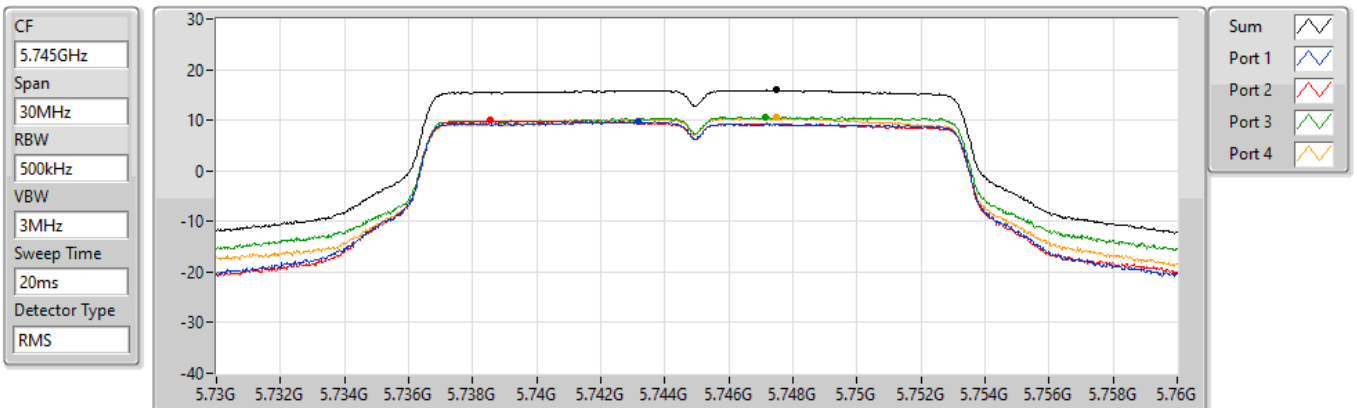


802.11a_Nss1,(6Mbps)_4TX

5745MHz

PSD

08/06/2022

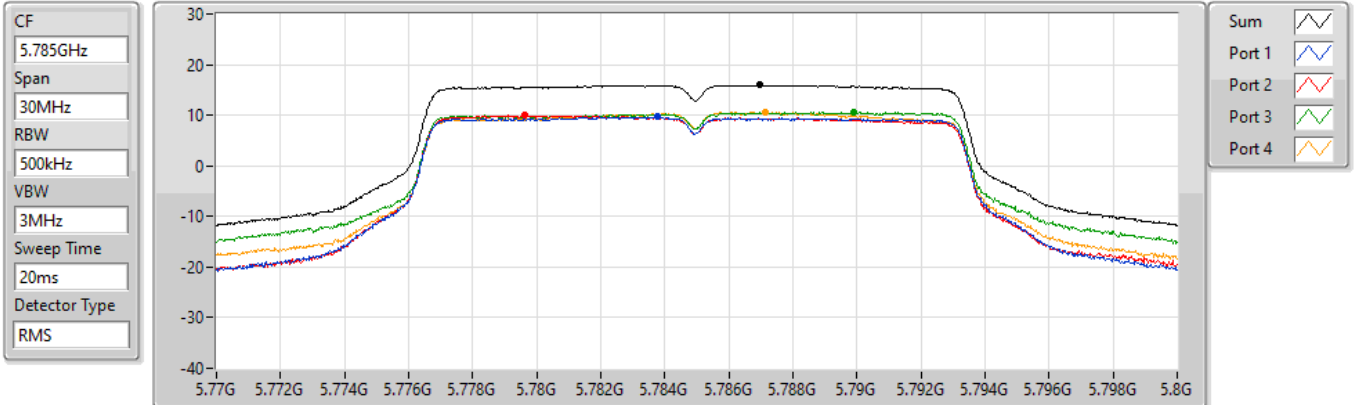


802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

08/06/2022



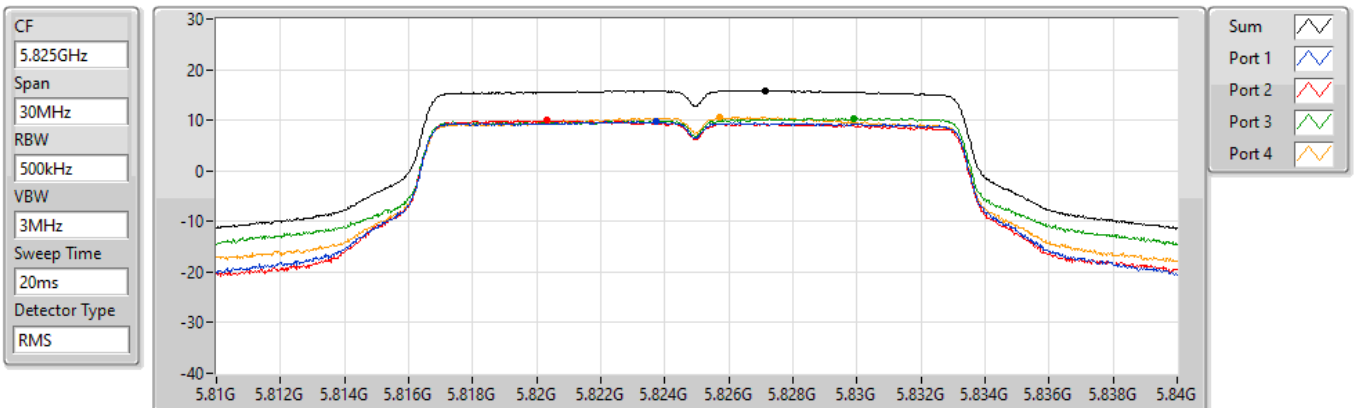
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.94	15.94	9.67	9.93	10.55	10.61

802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

08/06/2022



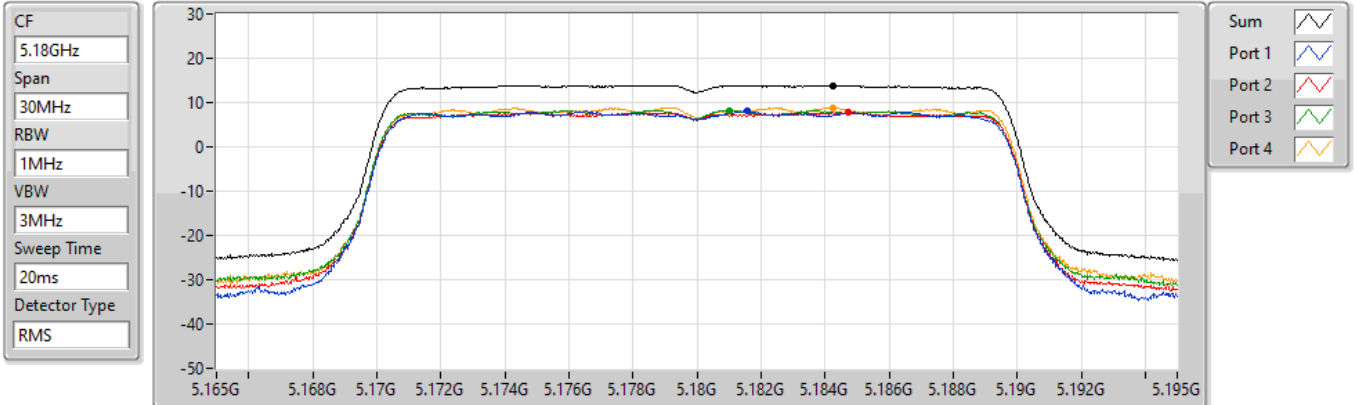
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.85	15.85	9.79	9.95	10.40	10.59

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

08/06/2022



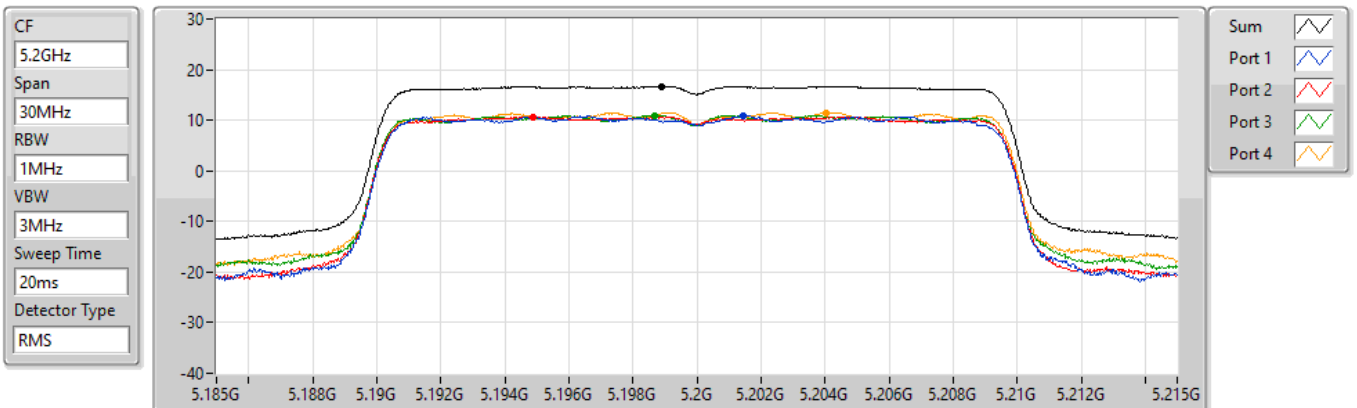
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.90	13.90	8.04	7.74	8.16	8.87

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

08/06/2022



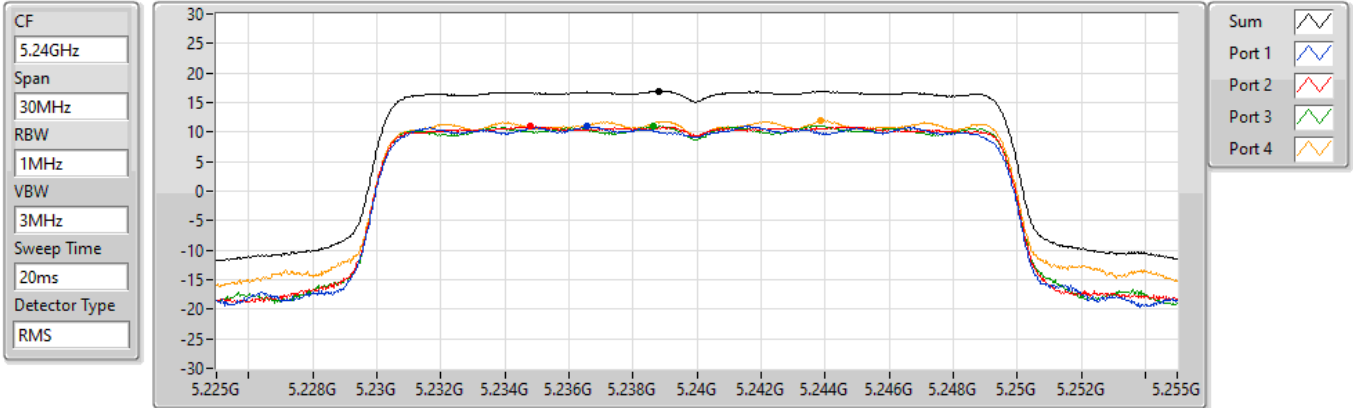
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.70	16.70	10.85	10.66	10.95	11.52

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

08/06/2022



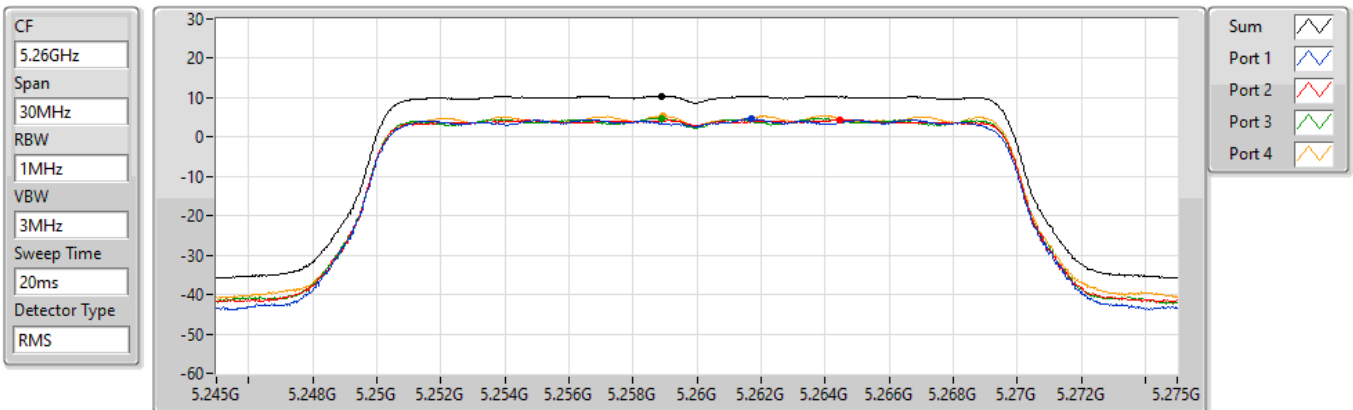
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.91	16.91	10.98	10.91	11.02	11.86

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5260MHz

08/06/2022



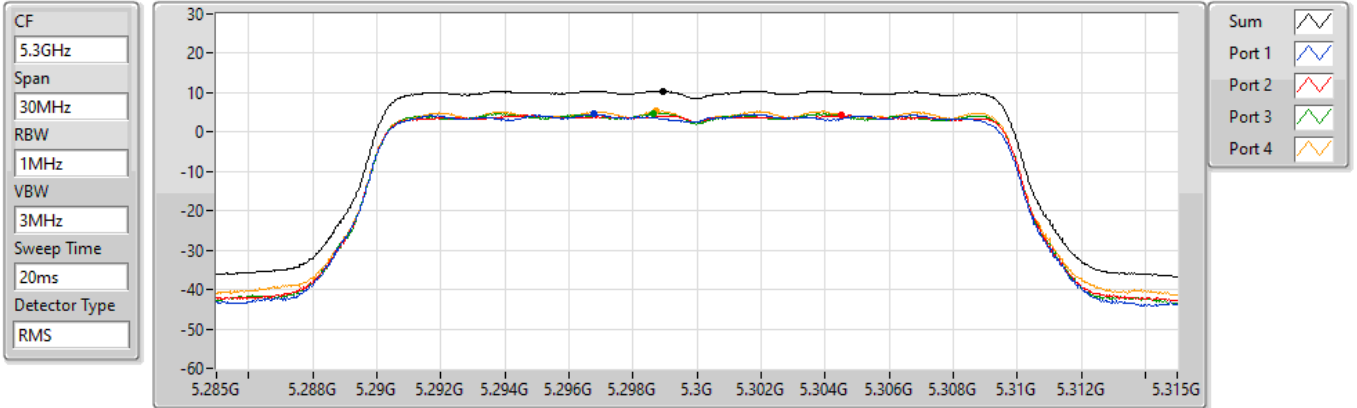
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.47	10.47	4.61	4.47	4.78	5.42

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5300MHz

08/06/2022



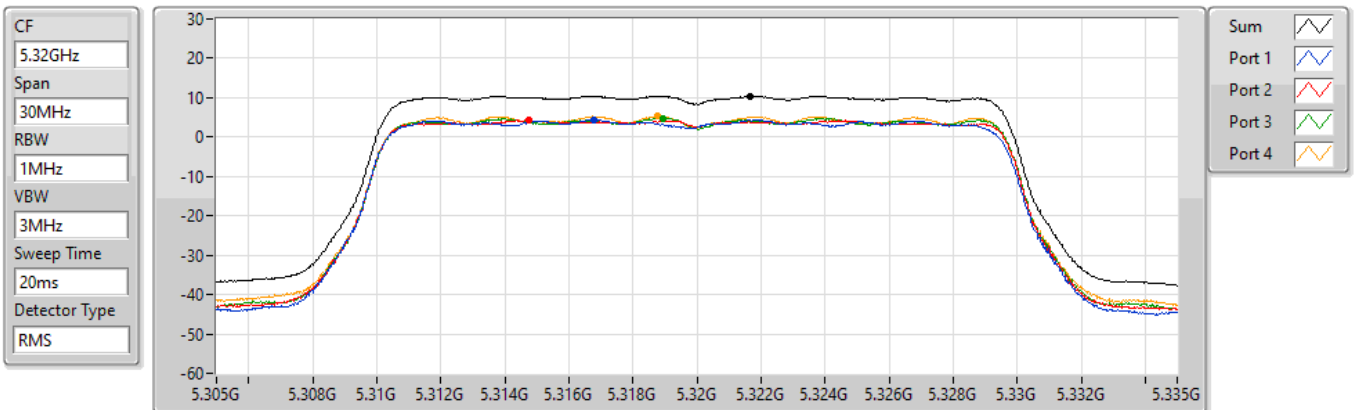
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.46	10.46	4.58	4.31	4.77	5.36

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

08/06/2022



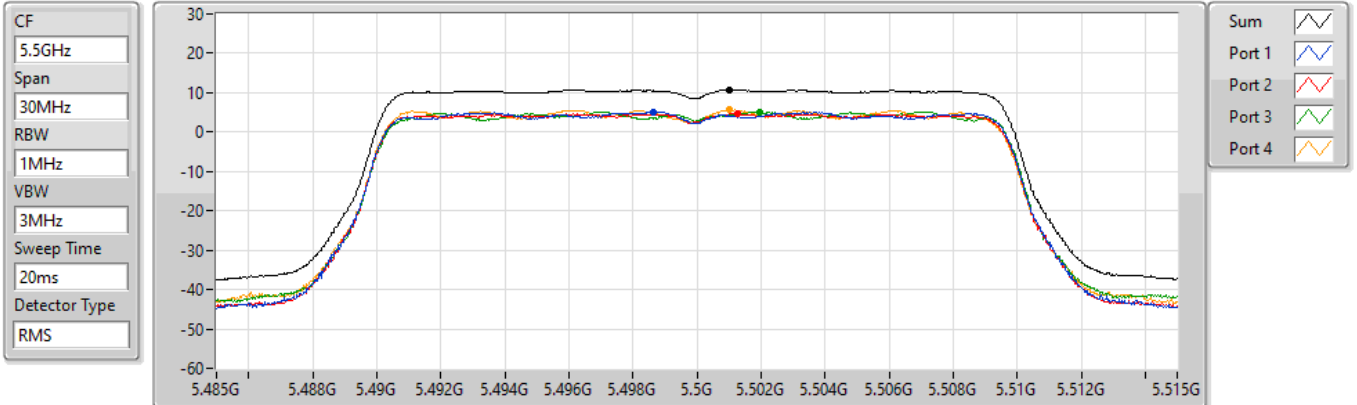
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.40	10.40	4.44	4.29	4.74	5.34

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

08/06/2022



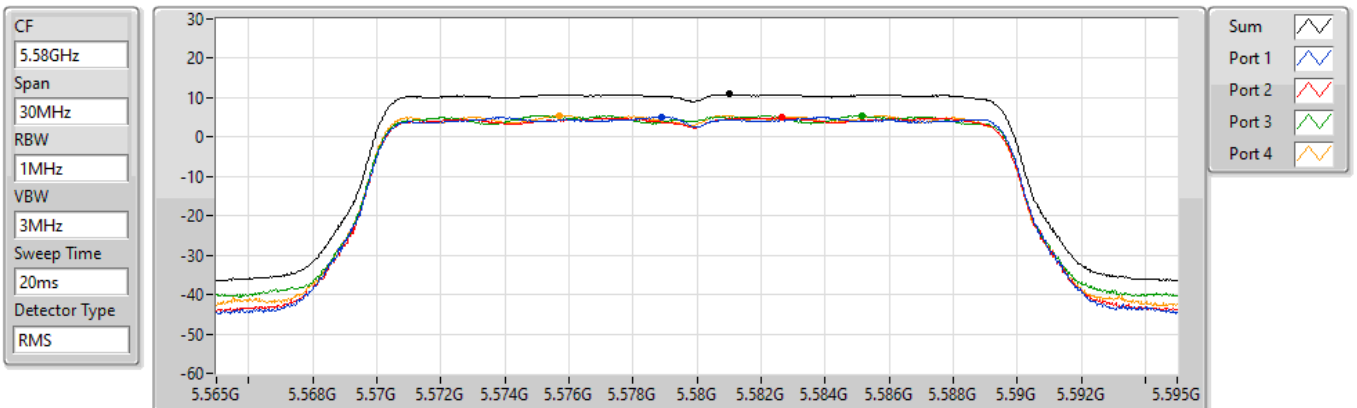
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.70	10.70	5.04	4.62	5.14	5.60

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

08/06/2022



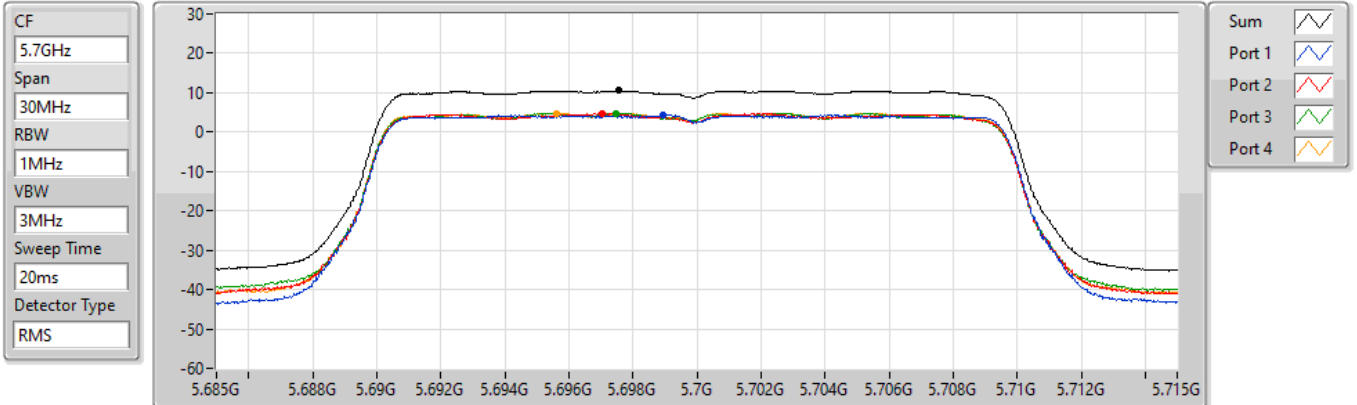
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.85	10.85	5.15	4.95	5.49	5.46

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5700MHz

08/06/2022



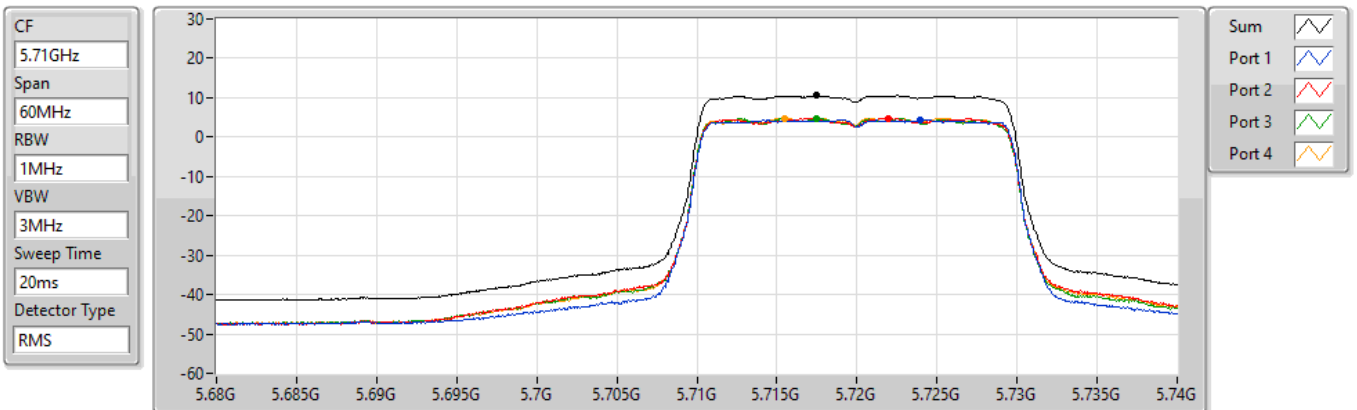
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.49	10.49	4.25	4.63	4.82	4.81

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

08/06/2022



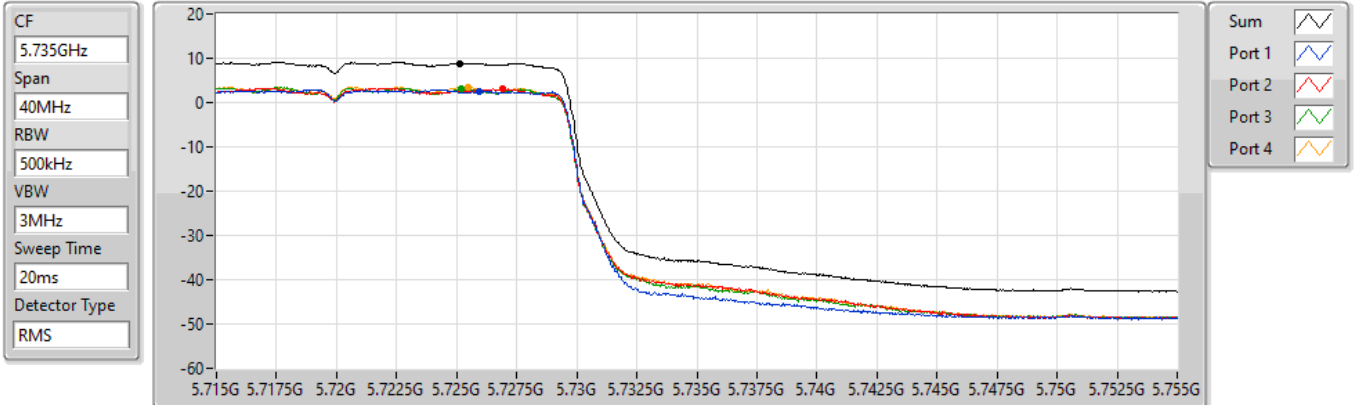
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.51	10.51	4.36	4.77	4.75	4.79

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

08/06/2022



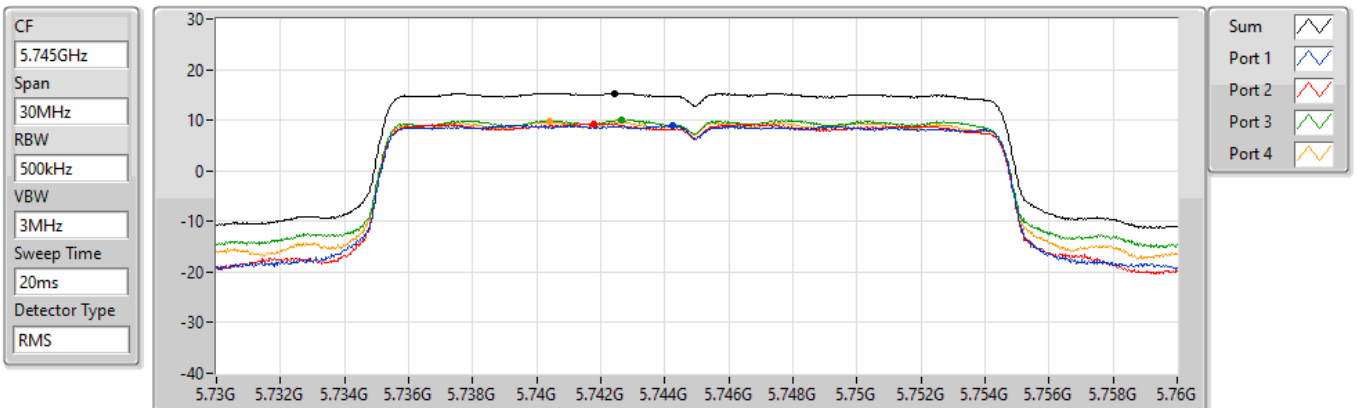
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.85	8.85	2.59	3.07	3.06	3.43

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

08/06/2022



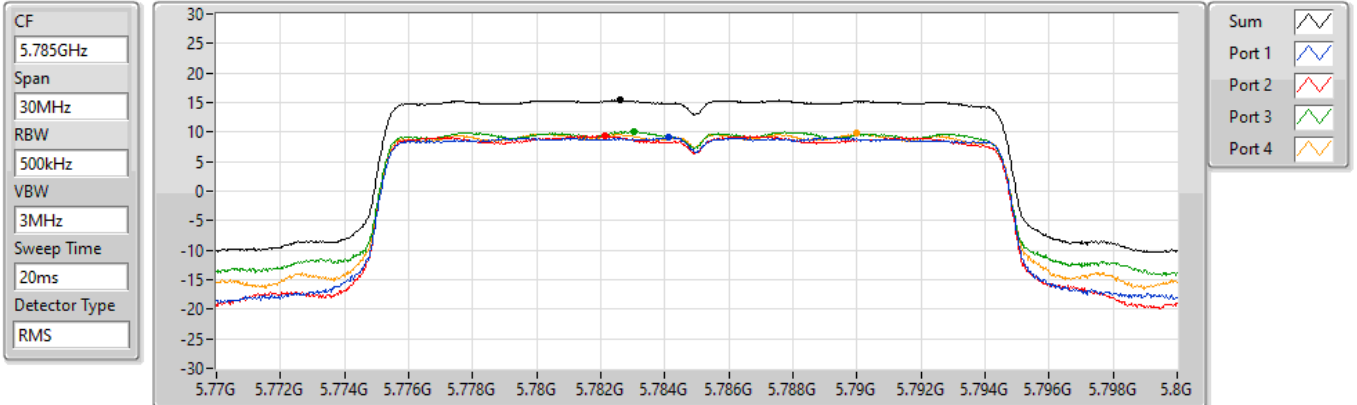
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.35	15.35	8.99	9.28	10.05	9.69

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

08/06/2022



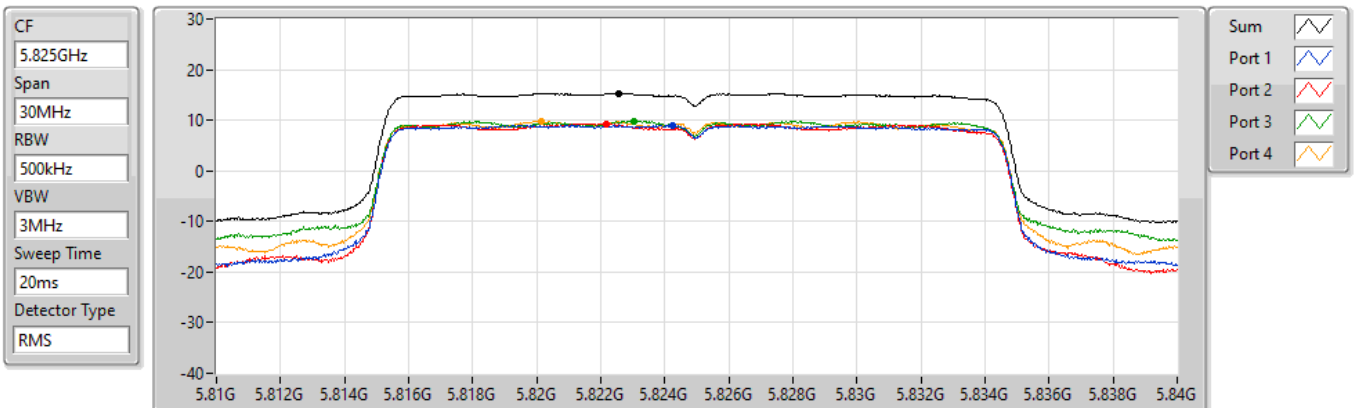
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
15.42	15.42	9.09	9.32	10.17	9.73

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

08/06/2022



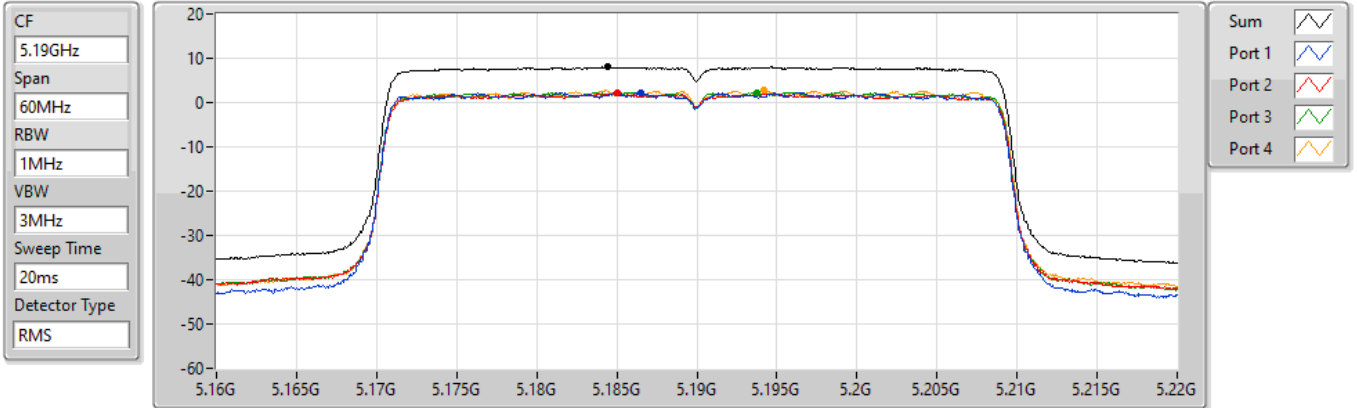
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
15.32	15.32	9.03	9.31	9.88	9.89

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

08/06/2022



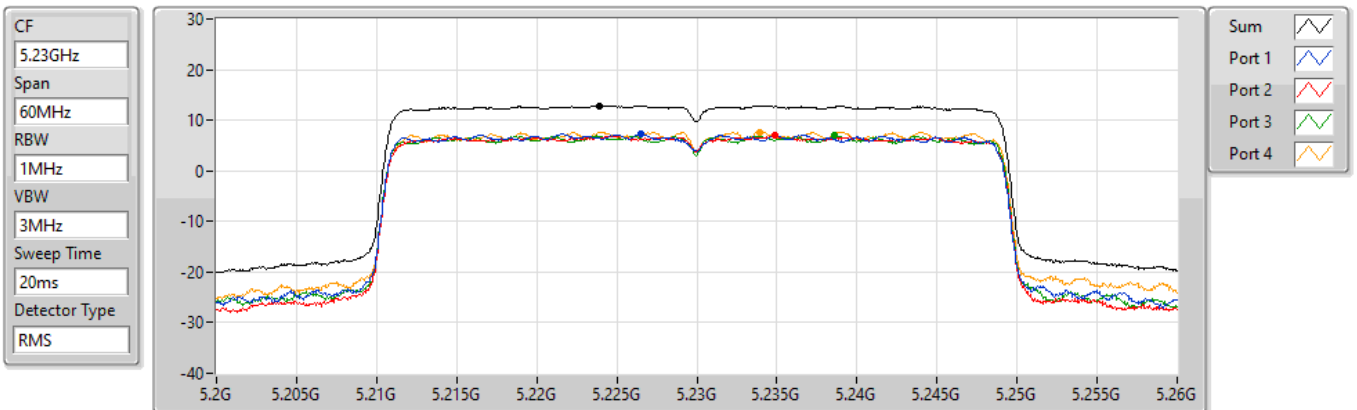
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.02	8.02	2.26	2.08	2.32	2.68

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

08/06/2022



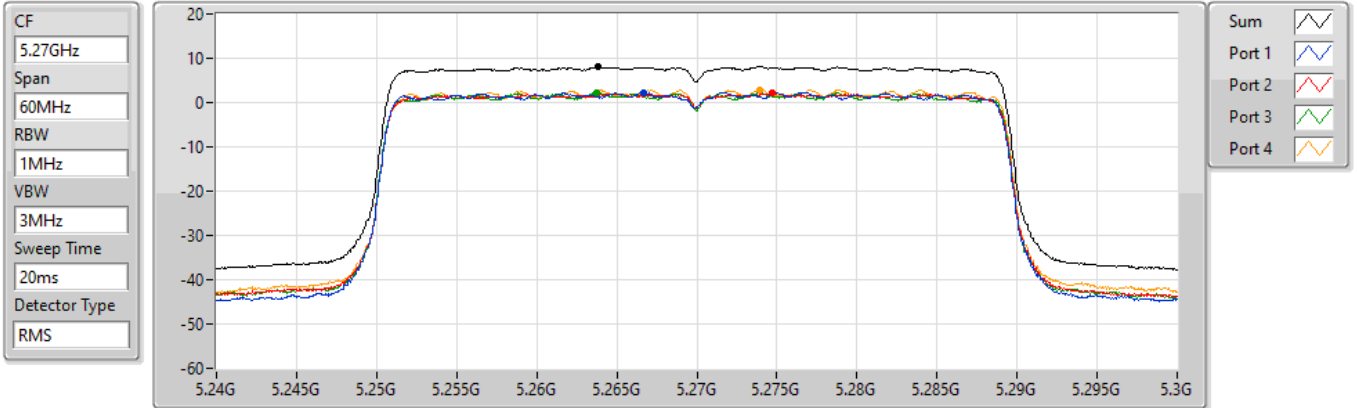
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.89	12.89	7.32	6.94	6.95	7.71

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5270MHz

08/06/2022



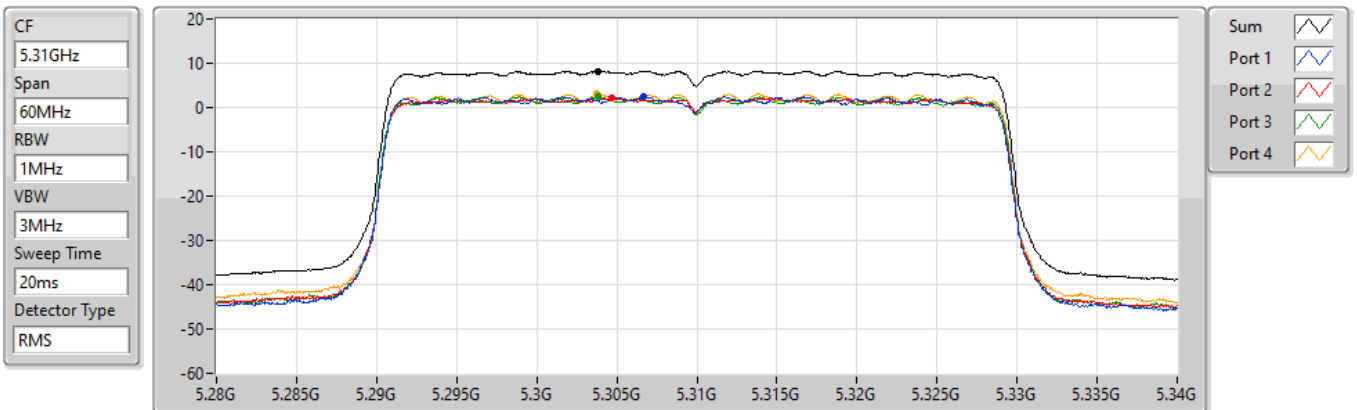
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.06	8.06	2.28	2.08	2.19	2.95

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5310MHz

08/06/2022



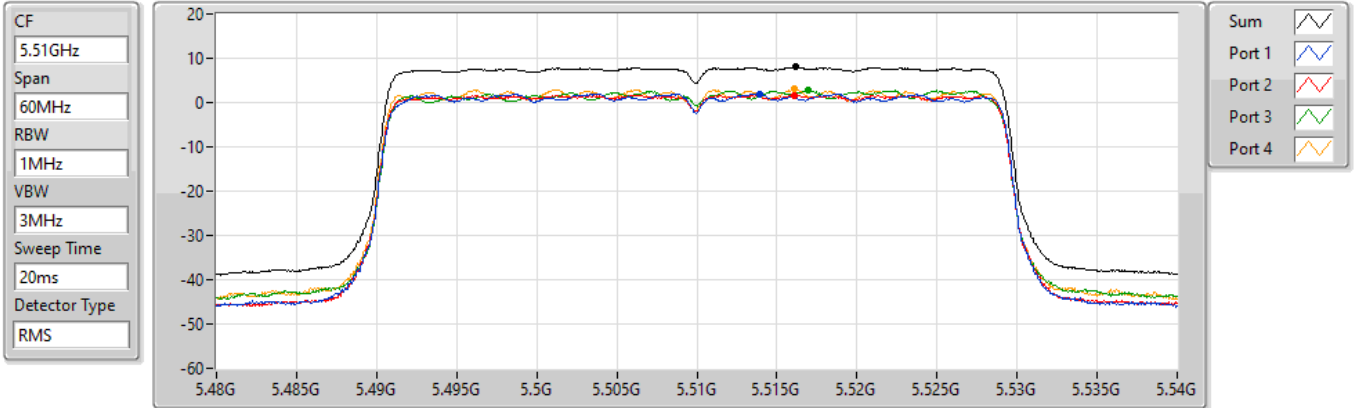
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.26	8.26	2.59	2.16	2.44	3.13

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5510MHz

08/06/2022



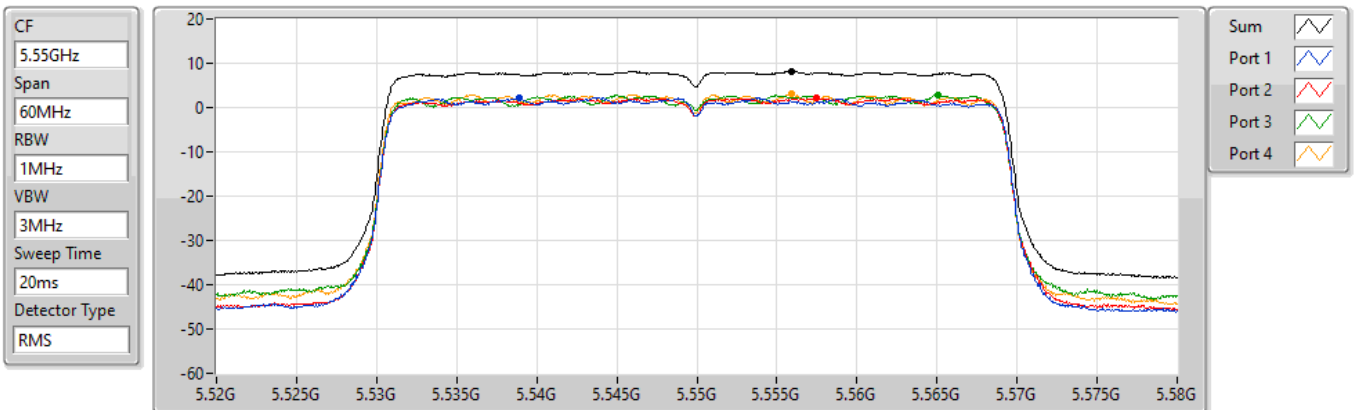
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.97	7.97	2.02	1.69	2.70	2.99

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5550MHz

08/06/2022



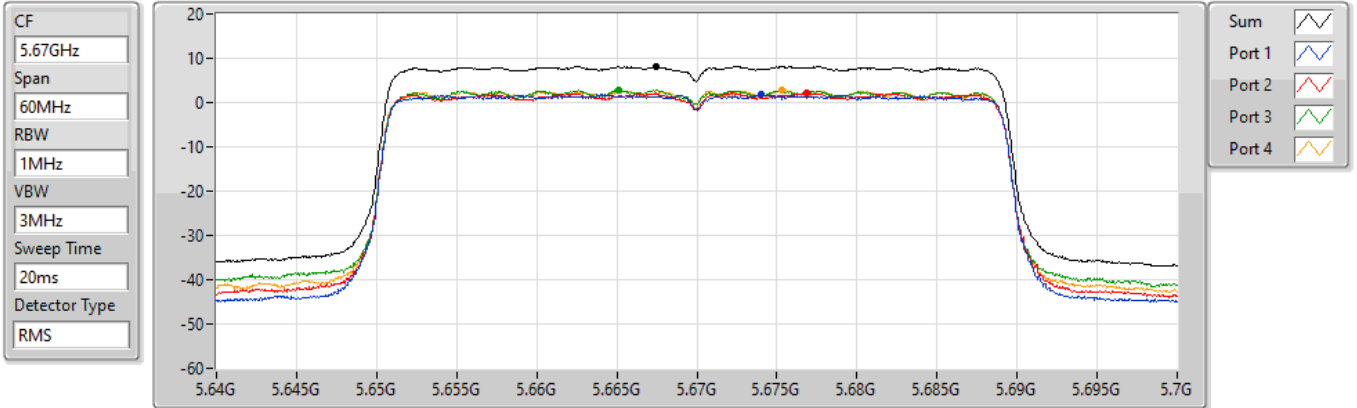
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.17	8.17	2.23	2.04	2.77	3.02

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5670MHz

08/06/2022



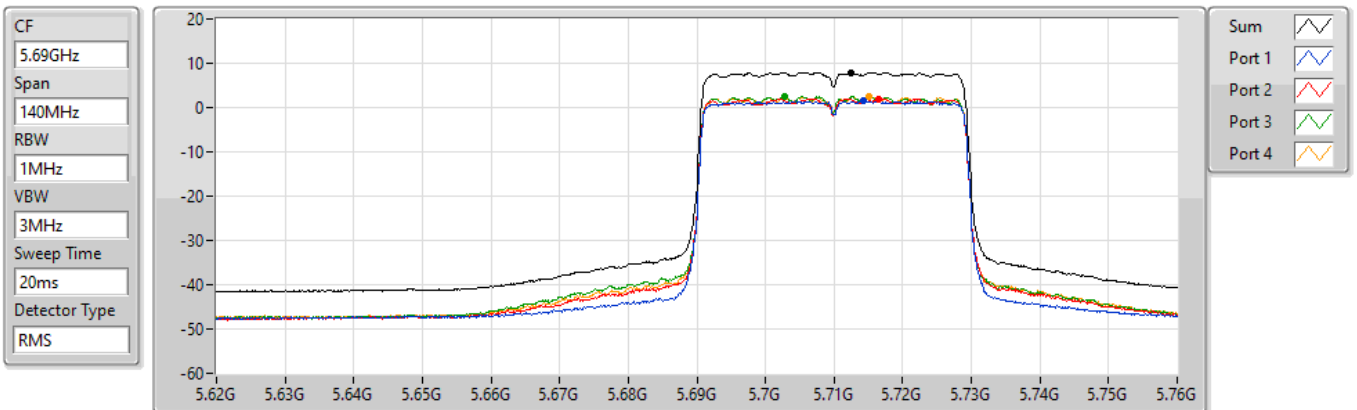
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.10	8.10	1.81	2.06	2.80	2.79

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

08/06/2022



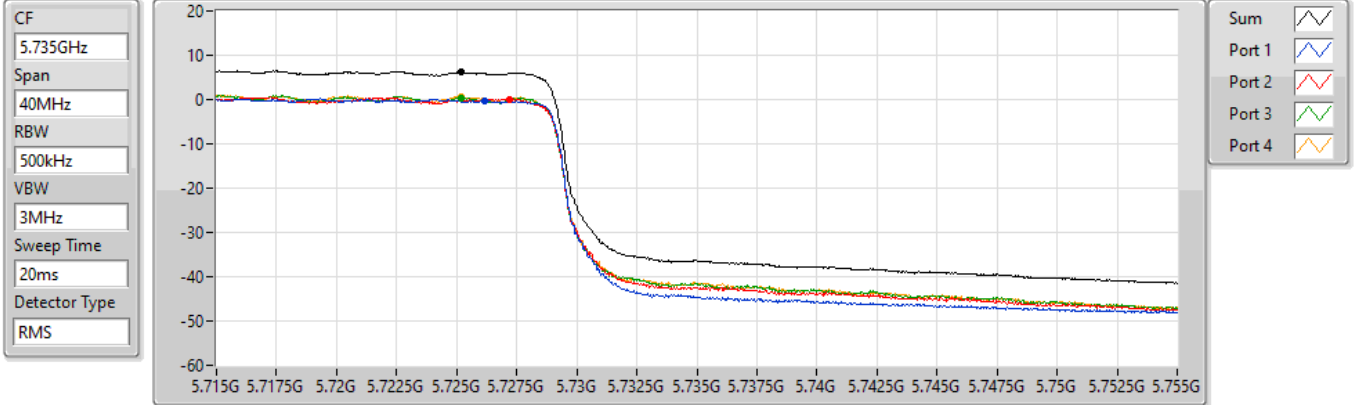
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.96	7.96	1.62	2.02	2.48	2.43

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

08/06/2022



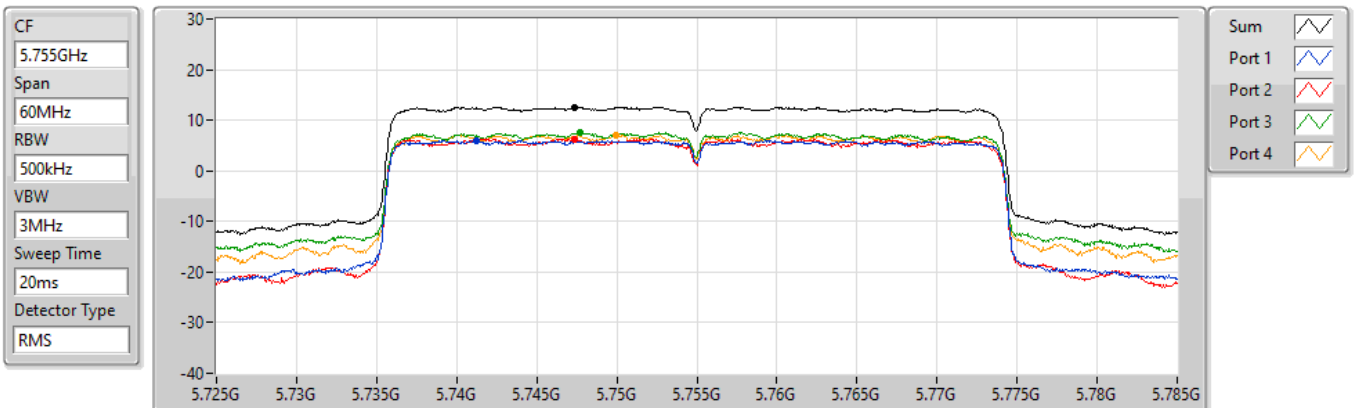
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.13	6.13	-0.19	0.15	0.41	0.71

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

08/06/2022



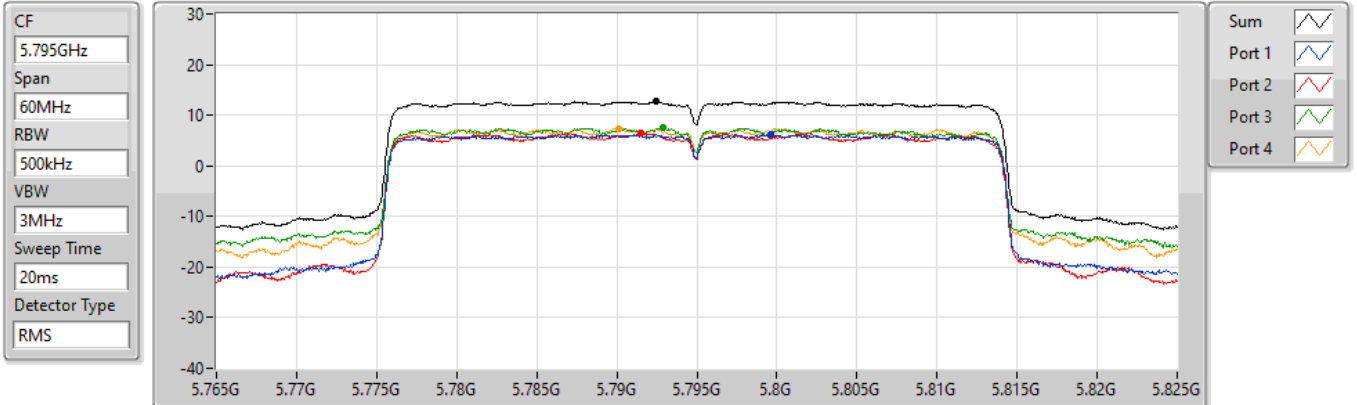
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.61	12.61	5.98	6.32	7.53	7.02

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

08/06/2022



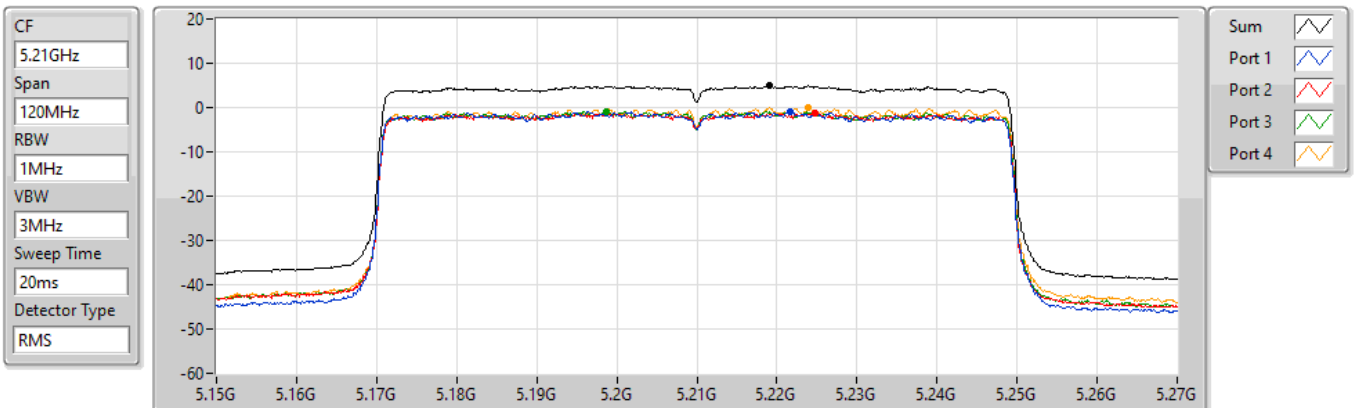
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.72	12.72	6.10	6.40	7.45	7.38

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

08/06/2022



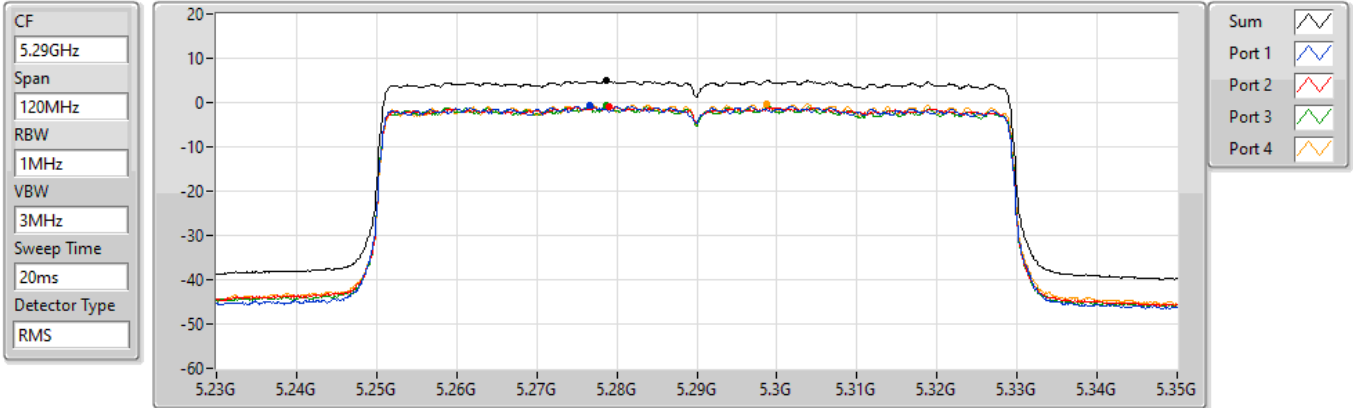
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.87	4.87	-0.99	-1.18	-0.84	0.07

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

08/06/2022



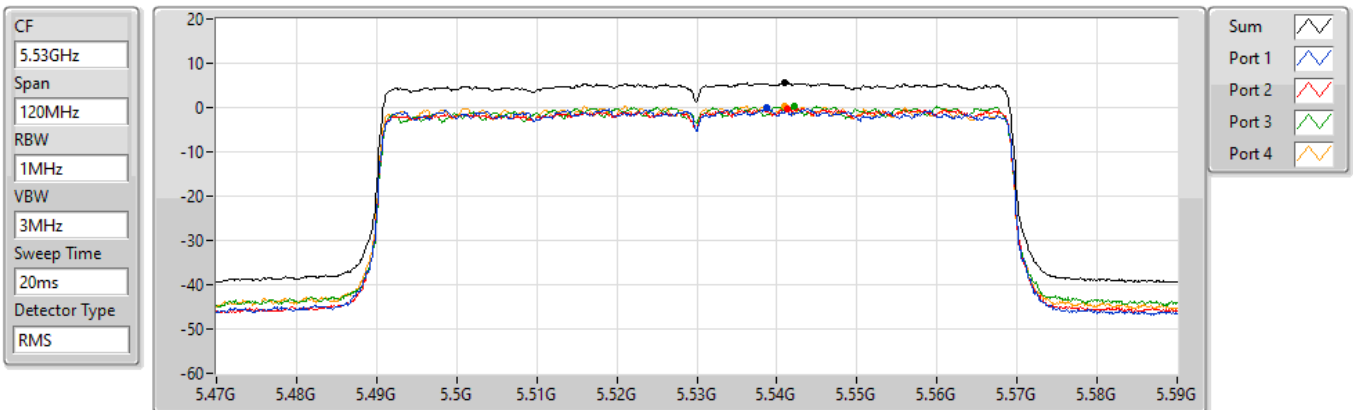
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.08	5.08	-0.77	-0.94	-0.71	-0.27

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5530MHz

08/06/2022



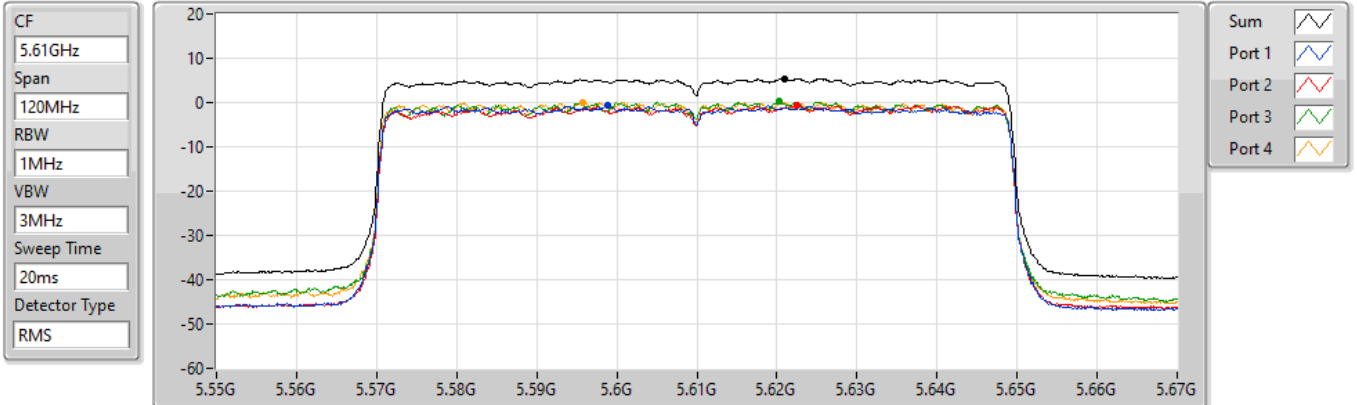
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.61	5.61	-0.14	-0.33	0.28	0.37

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5610MHz

08/06/2022



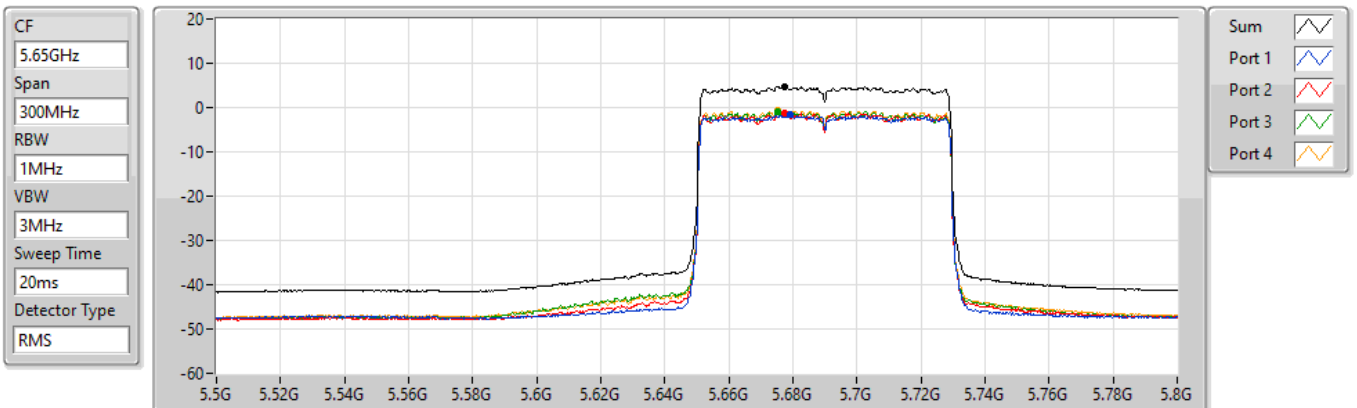
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.38	5.38	-0.53	-0.61	0.18	0.12

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

08/06/2022



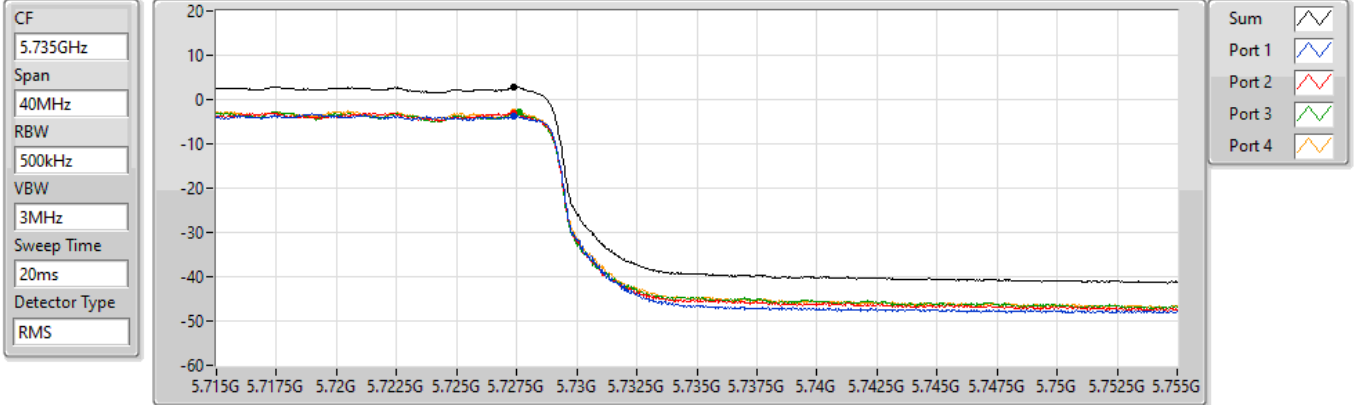
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.71	4.71	-1.61	-1.25	-0.87	-0.69

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

08/06/2022



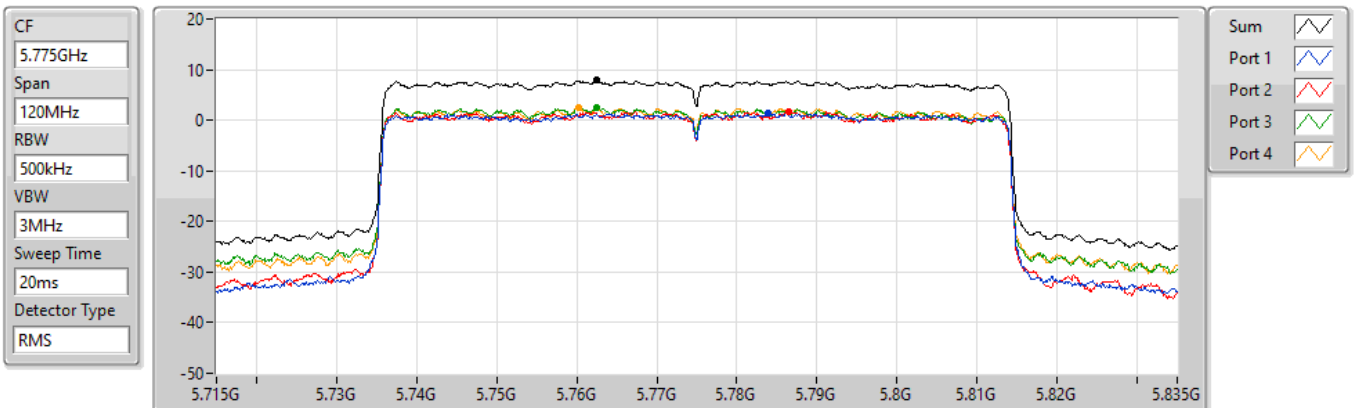
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.77	2.77	-3.66	-3.05	-2.95	-2.72

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

08/06/2022



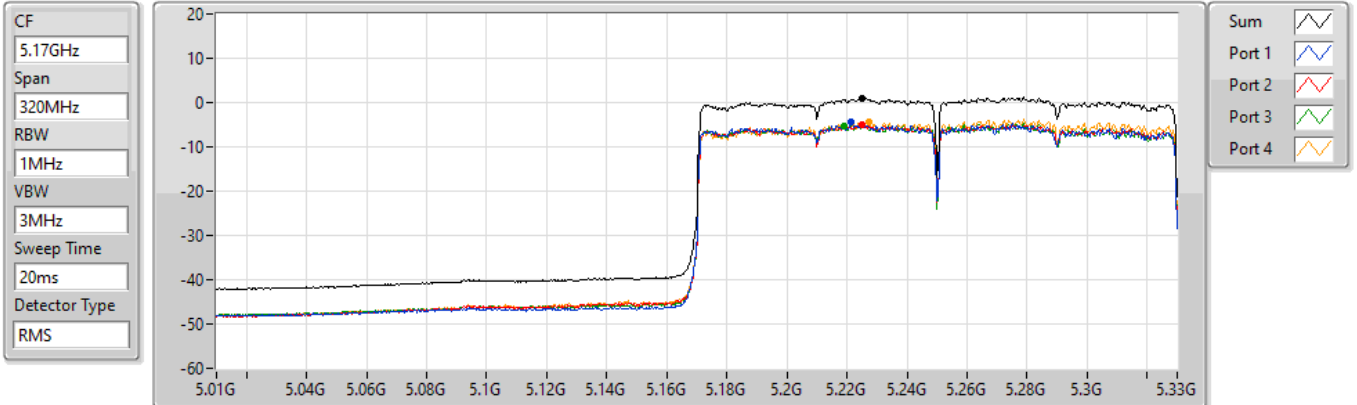
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.85	7.85	1.32	1.69	2.48	2.37

802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

08/06/2022



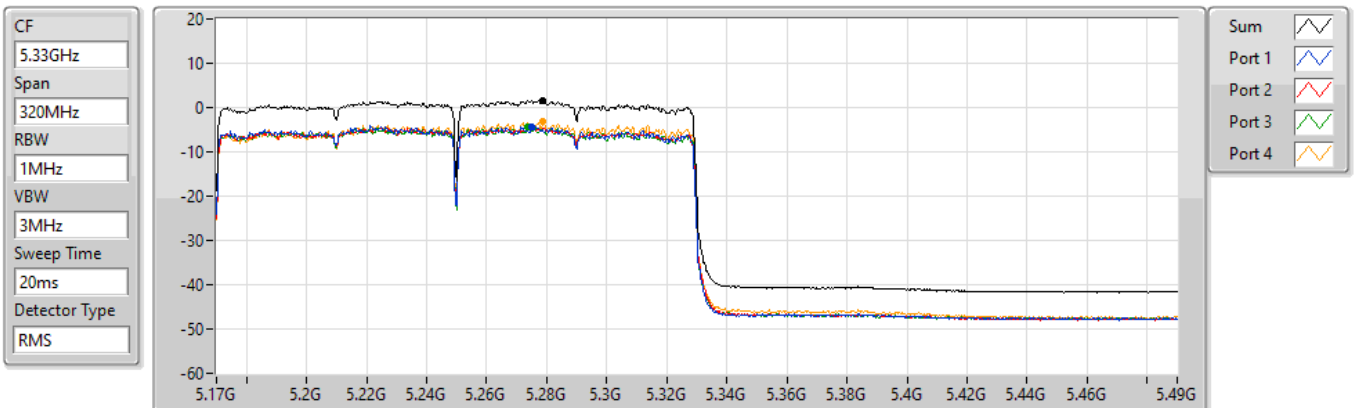
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.84	0.84	-4.53	-4.97	-5.18	-4.36

802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

08/06/2022



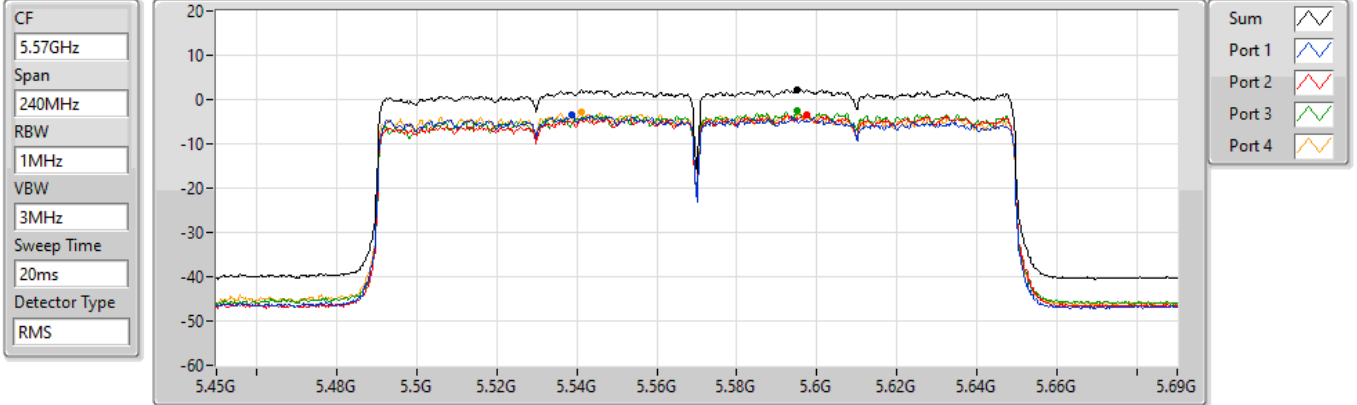
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.63	1.63	-4.35	-4.44	-4.25	-3.25

802.11ax HEW160_Nss1,(MCS0)_4TX

5570MHz

PSD

08/06/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.32	2.32	-3.38	-3.43	-2.59	-2.84



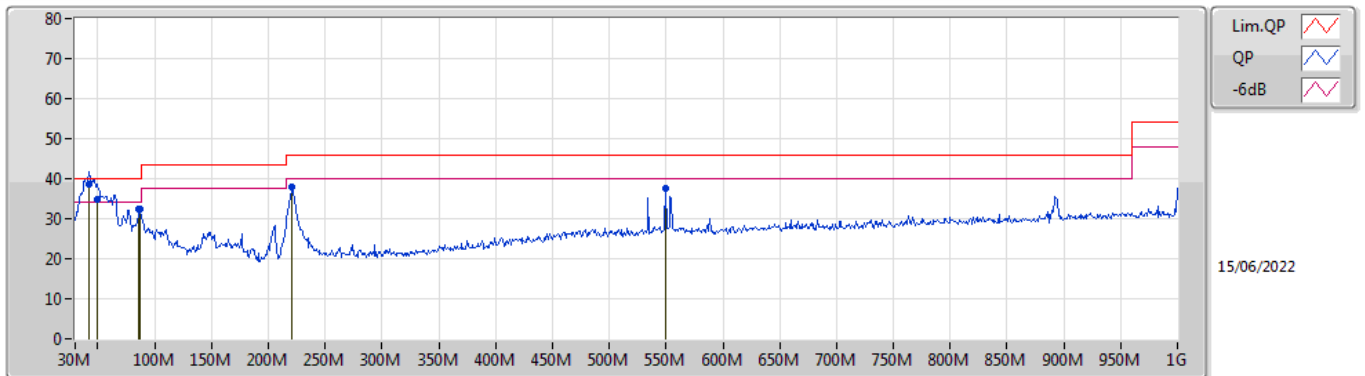
Radiated Emissions below 1GHz

Appendix E.1

Summary

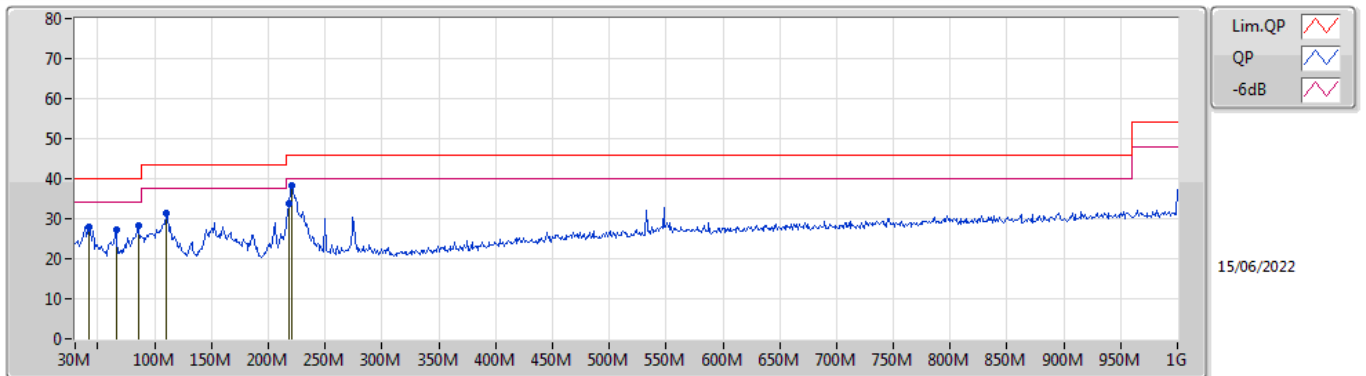
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	41.64M	38.66	40.00	-1.34	Vertical

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)
QP	41.64M	38.66	40.00	-1.34	-13.14	3	Vertical	245	1.00	"Worst"	51.80	17.71	0.93	31.78
QP	49.4M	34.91	40.00	-5.09	-16.49	3	Vertical	289	1.00	-	51.40	14.28	1.09	31.86
PK	86.26M	32.52	40.00	-7.48	-16.63	3	Vertical	62	1.00	-	49.15	13.89	1.43	31.95
PK	87.23M	32.44	40.00	-7.56	-16.49	3	Vertical	142	1.00	-	48.93	14.02	1.44	31.95
PK	221.09M	37.84	46.00	-8.16	-14.63	3	Vertical	172	1.25	-	52.47	15.05	2.33	32.01
PK	549.92M	37.55	46.00	-8.45	-4.10	3	Vertical	207	1.00	-	41.65	24.48	3.80	32.38

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	41.64M	28.08	40.00	-11.92	-13.14	3	Horizontal	52	1.50	-	41.22	17.71	0.93	31.78
PK	65.89M	27.10	40.00	-12.90	-18.56	3	Horizontal	60	3.00	-	45.66	12.16	1.22	31.94
PK	85.29M	28.17	40.00	-11.83	-16.83	3	Horizontal	62	2.00	-	45.00	13.70	1.41	31.94
PK	110.51M	31.21	43.50	-12.29	-12.81	3	Horizontal	87	3.00	-	44.02	17.61	1.55	31.97
PK	218.18M	33.86	46.00	-12.14	-14.81	3	Horizontal	239	1.25	-	48.67	14.89	2.31	32.01
PK	221.09M	38.42	46.00	-7.58	-14.63	3	Horizontal	239	1.25	"Worst"	53.05	15.05	2.33	32.01

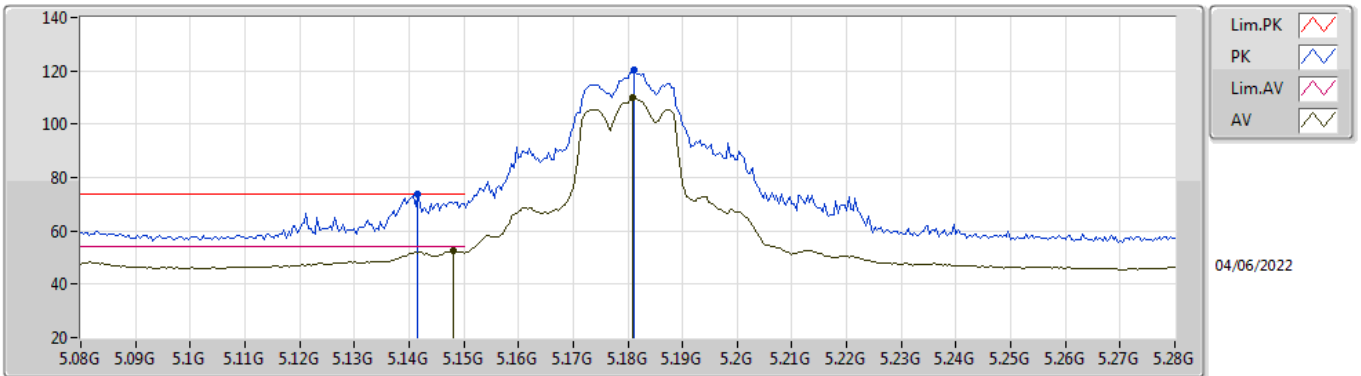


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	Pass	AV	5.4596G	53.97	54.00	-0.03	3	Vertical	94	2.50	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

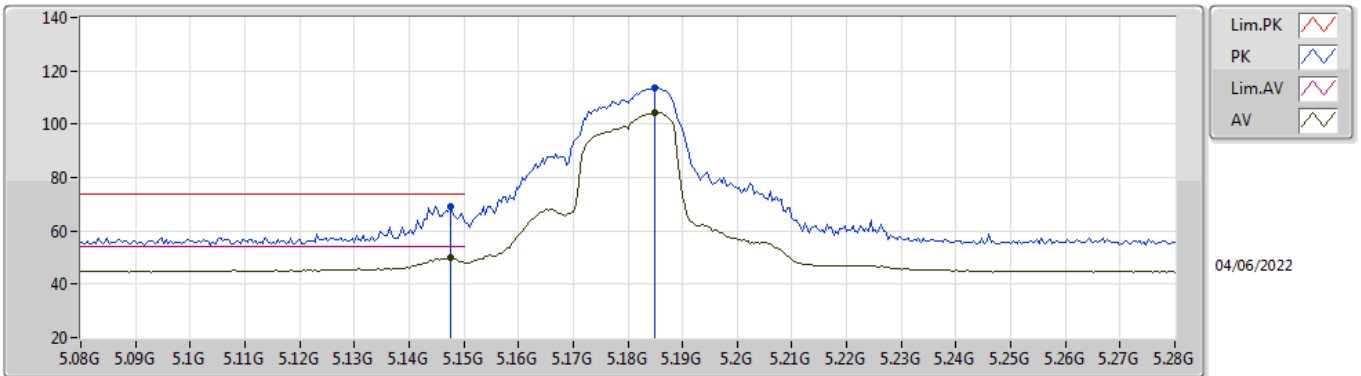


EUT_V_4TX
Setting 91
02-B-S-5-10

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	5.1416G	73.80	74.00	-0.20	67.13	3	Vertical	83	1.94	-	33.58	5.24	32.15
AV	5.148G	52.43	54.00	-1.57	45.73	3	Vertical	83	1.94	-	33.60	5.25	32.15
PK	5.1812G	120.10	Inf	-Inf	113.31	3	Vertical	83	1.94	-	33.66	5.28	32.15
AV	5.1808G	110.07	Inf	-Inf	103.28	3	Vertical	83	1.94	-	33.66	5.28	32.15

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

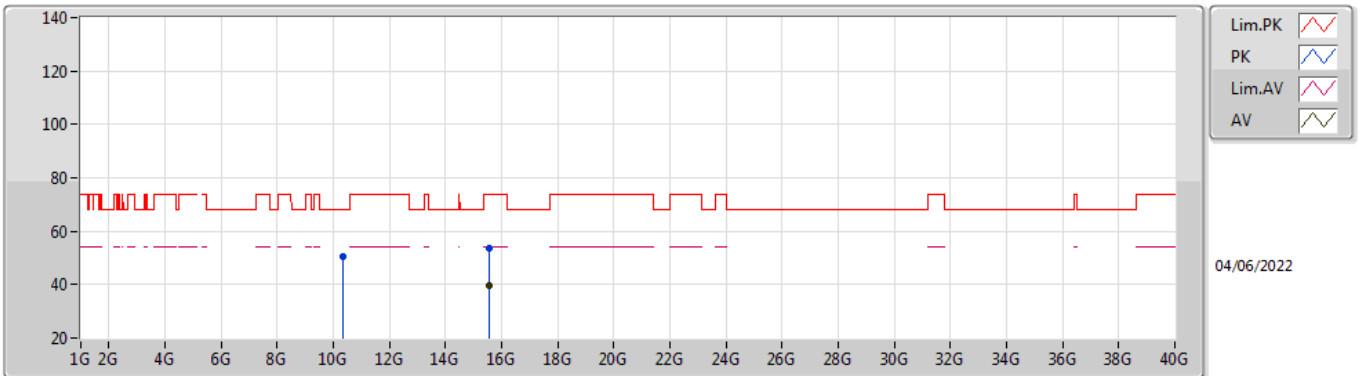


EUT_V_4TX
Setting 91
02-B-S-5-10

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	5.1476G	69.24	74.00	-4.76	62.54	3	Horizontal	295	1.37	-	33.60	5.25	32.15
AV	5.1476G	49.75	54.00	-4.25	43.05	3	Horizontal	295	1.37	-	33.60	5.25	32.15
PK	5.1848G	113.58	Inf	-Inf	106.78	3	Horizontal	295	1.37	-	33.67	5.28	32.15
AV	5.1848G	104.27	Inf	-Inf	97.47	3	Horizontal	295	1.37	-	33.67	5.28	32.15

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

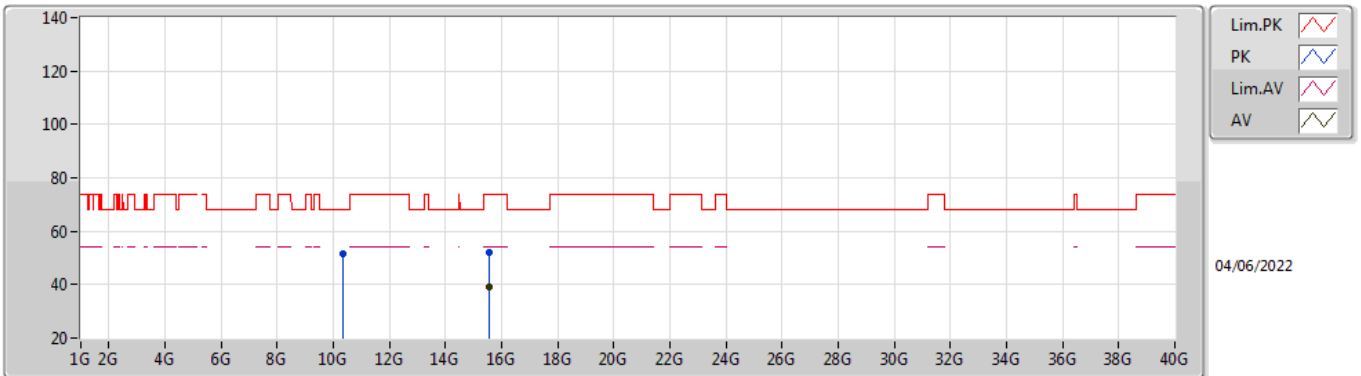


EUT Y_4TX
Setting 91
02-B-S-5

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	10.36048G	50.40	68.20	-17.80	37.28	3	Vertical	20	3.00	-	38.64	7.44	32.96
PK	15.54708G	53.50	74.00	-20.50	39.09	3	Vertical	145	3.00	-	37.82	9.80	33.21
AV	15.5456G	39.80	54.00	-14.20	25.37	3	Vertical	145	3.00	-	37.83	9.80	33.20

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

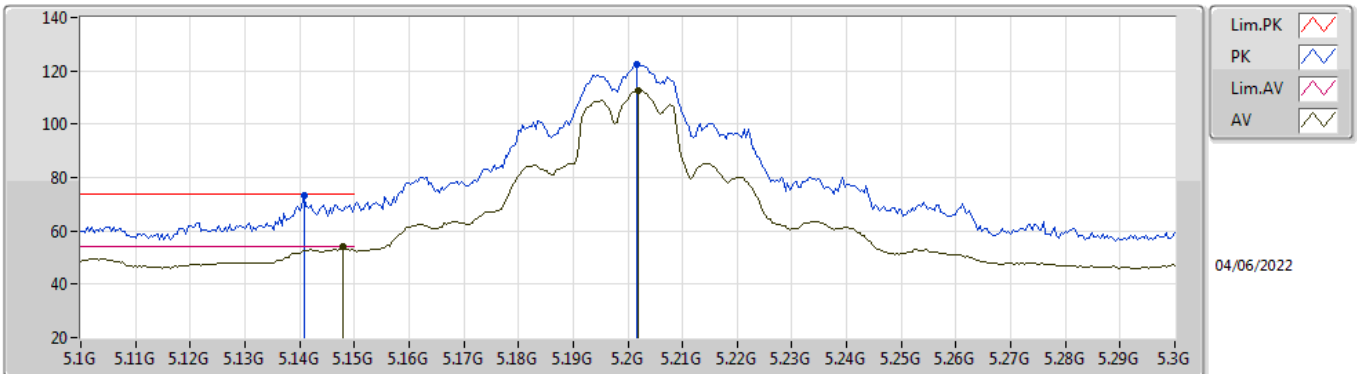


EUT Y_4TX
Setting 91
02-B-S-5

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	10.36868G	51.30	68.20	-16.90	38.18	3	Horizontal	323	2.68	-	38.63	7.45	32.96
PK	15.54492G	52.32	74.00	-21.68	37.89	3	Horizontal	137	1.69	-	37.83	9.80	33.20
AV	15.548G	39.11	54.00	-14.89	24.71	3	Horizontal	137	1.69	-	37.81	9.80	33.21

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

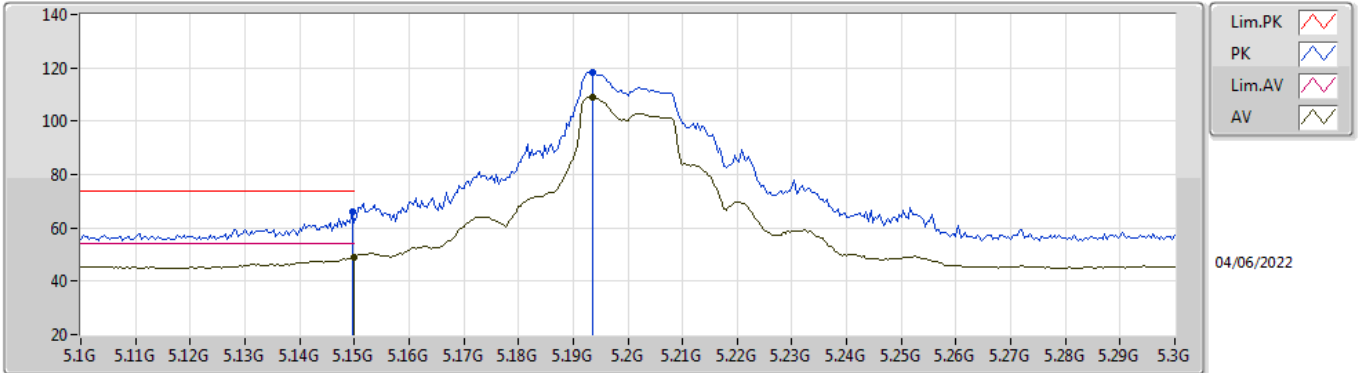


EUT_Y_4TX
Setting 106
02-B-S-5-10

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	5.1408G	73.18	74.00	-0.82	66.51	3	Vertical	87	2.02	-	33.58	5.24	32.15	
AV	5.148G	53.88	54.00	-0.12	47.18	3	Vertical	87	2.02	-	33.60	5.25	32.15	
PK	5.2016G	122.20	Inf	-Inf	115.35	3	Vertical	87	2.02	-	33.70	5.30	32.15	
AV	5.202G	112.81	Inf	-Inf	105.96	3	Vertical	87	2.02	-	33.70	5.30	32.15	

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

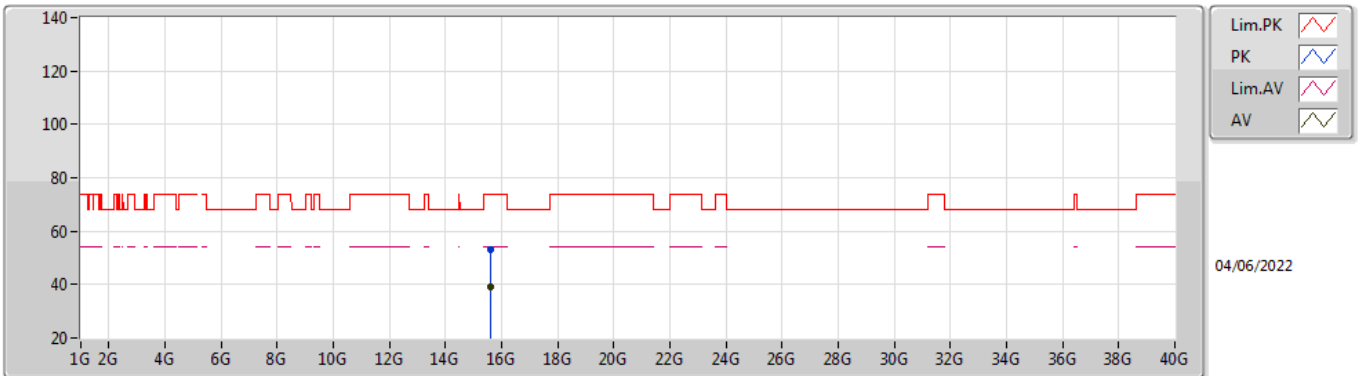


EUT_Y_4TX
Setting 106
02-B-S-5-10

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	5.1496G	66.13	74.00	-7.87	59.43	3	Horizontal	65	2.54	-	33.60	5.25	32.15
AV	5.15G	49.13	54.00	-4.87	42.43	3	Horizontal	65	2.54	-	33.60	5.25	32.15
PK	5.1936G	118.21	Inf	-Inf	111.38	3	Horizontal	65	2.54	-	33.69	5.29	32.15
AV	5.1936G	109.08	Inf	-Inf	102.25	3	Horizontal	65	2.54	-	33.69	5.29	32.15

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

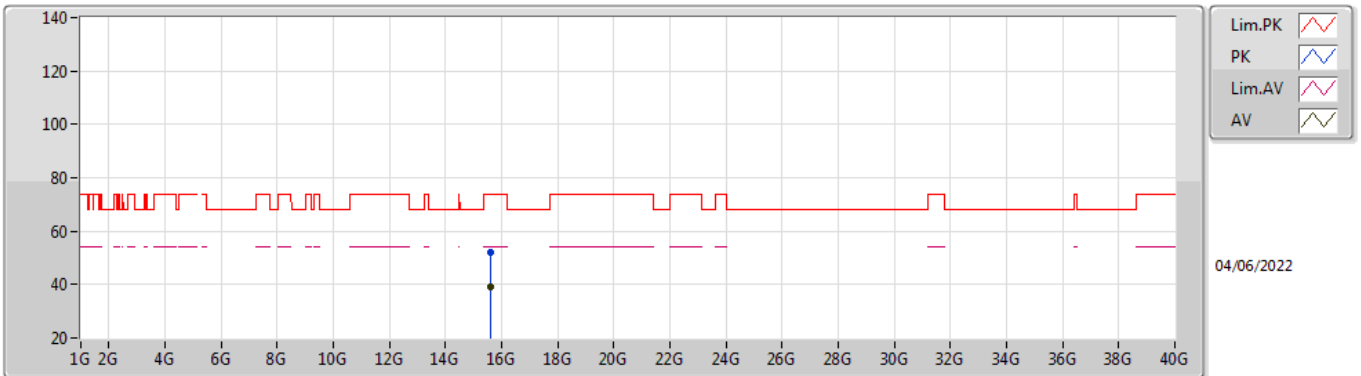


EUT Y_4TX
Setting 106
02-B-S-5

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	15.60232G	53.25	74.00	-20.75	39.20	3	Vertical	51	2.80	-	37.50	9.82	33.27	
AV	15.59838G	39.09	54.00	-14.91	25.03	3	Vertical	51	2.80	-	37.51	9.82	33.27	

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

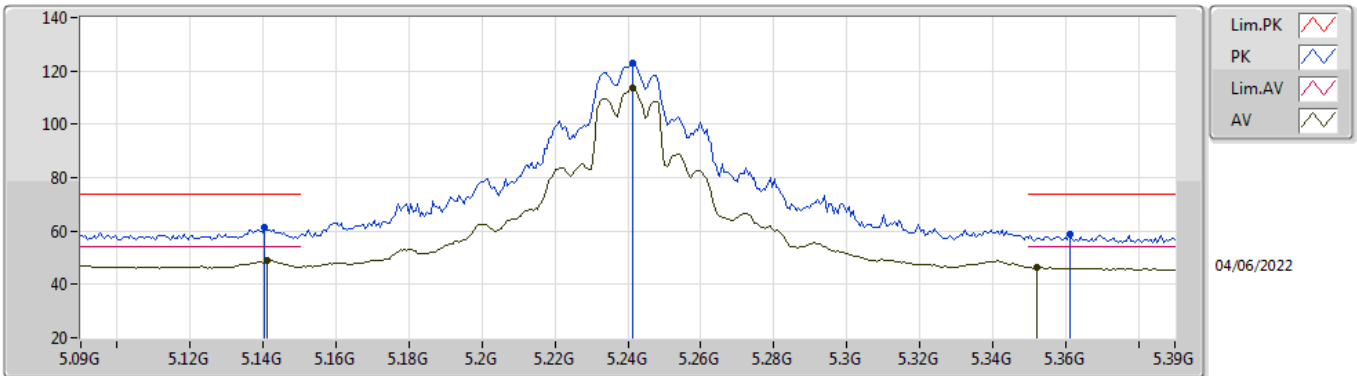


EUT Y_4TX
Setting 106
02-B-S-5

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	15.60262G	51.89	74.00	-22.11	37.84	3	Horizontal	56	1.81	-	37.50	9.82	33.27
AV	15.59828G	39.28	54.00	-14.72	25.22	3	Horizontal	56	1.81	-	37.51	9.82	33.27

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

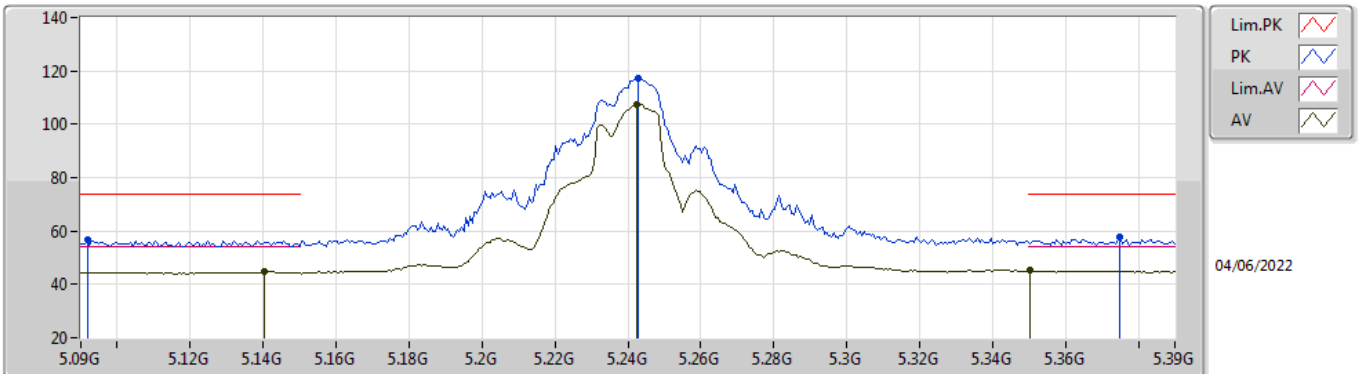


EUT V_4TX
Setting 108
02-B-S-5-10

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	5.1404G	61.27	74.00	-12.73	54.60	3	Vertical	85	1.80	-	33.58	5.24	32.15
AV	5.141G	48.97	54.00	-5.03	42.30	3	Vertical	85	1.80	-	33.58	5.24	32.15
PK	5.2412G	122.72	Inf	-Inf	115.85	3	Vertical	85	1.80	-	33.70	5.32	32.15
AV	5.2412G	113.42	Inf	-Inf	106.55	3	Vertical	85	1.80	-	33.70	5.32	32.15
PK	5.3612G	58.81	74.00	-15.19	51.65	3	Vertical	85	1.80	-	33.92	5.38	32.14
AV	5.3522G	46.35	54.00	-7.65	39.21	3	Vertical	85	1.80	-	33.90	5.38	32.14

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

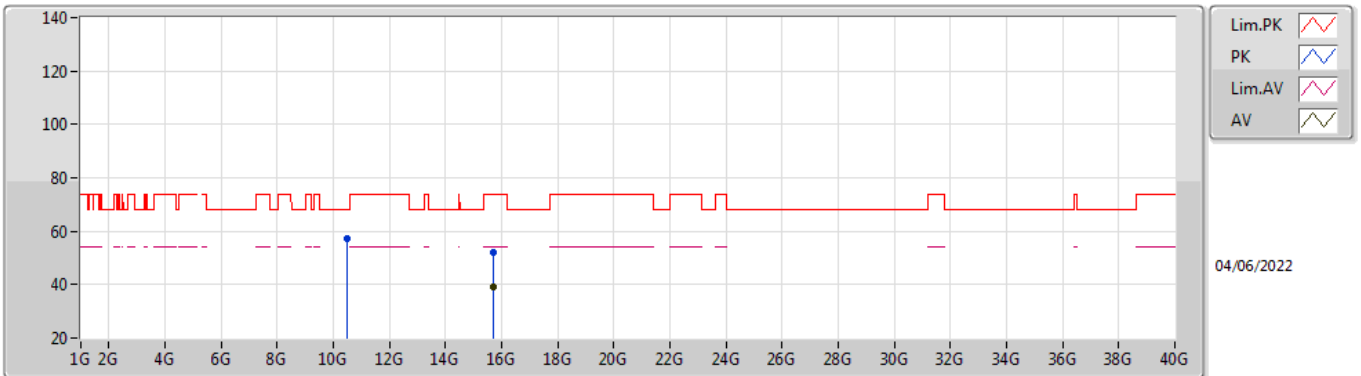


EUT V_4TX
Setting 108
02-B-S-5-10

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	5.0918G	56.48	74.00	-17.52	49.94	3	Horizontal	117	2.00	-	33.50	5.19	32.15
AV	5.1404G	44.90	54.00	-9.10	38.23	3	Horizontal	117	2.00	-	33.58	5.24	32.15
PK	5.243G	117.19	Inf	-Inf	110.32	3	Horizontal	117	2.00	-	33.70	5.32	32.15
AV	5.2424G	107.48	Inf	-Inf	100.61	3	Horizontal	117	2.00	-	33.70	5.32	32.15
PK	5.375G	57.51	74.00	-16.49	50.31	3	Horizontal	117	2.00	-	33.95	5.39	32.14
AV	5.3504G	45.24	54.00	-8.76	38.10	3	Horizontal	117	2.00	-	33.90	5.38	32.14

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

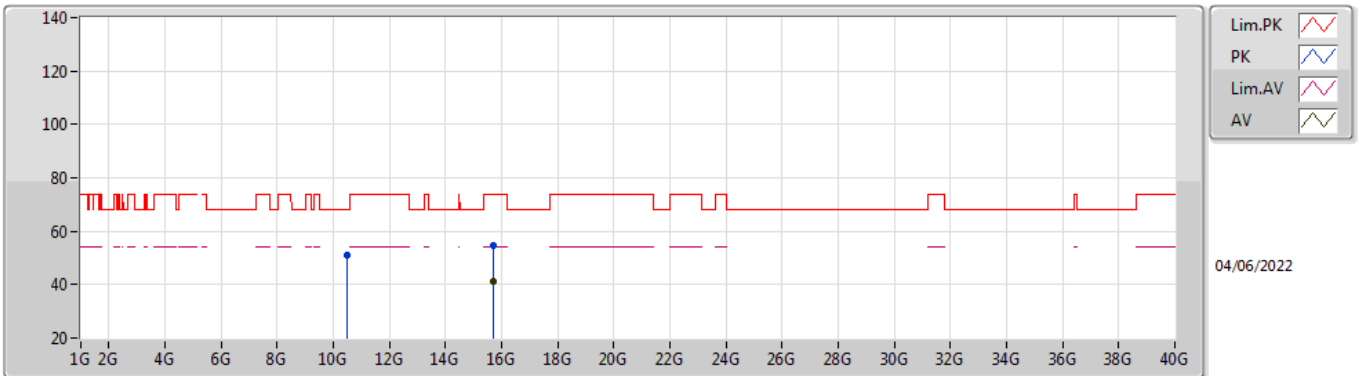


EUT Y_4TX
Setting 108
02-B-S-5

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	10.48016G	57.42	68.20	-10.78	44.37	3	Vertical	267	1.43	-	38.60	7.49	33.04
PK	15.72868G	52.26	74.00	-21.74	38.30	3	Vertical	129	2.57	-	37.50	9.88	33.42
AV	15.72284G	38.94	54.00	-15.06	24.97	3	Vertical	129	2.57	-	37.50	9.88	33.41

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

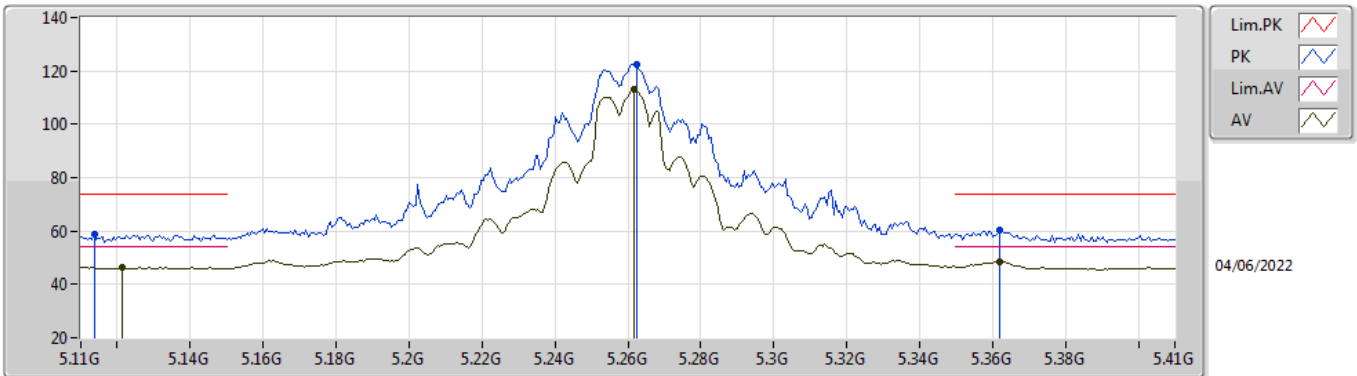


EUT Y_4TX
Setting 108
02-B-S-5

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	10.48544G	51.27	68.20	-16.93	38.22	3	Horizontal	131	2.57	-	38.60	7.49	33.04
PK	15.714G	54.40	74.00	-19.60	40.43	3	Horizontal	301	2.38	-	37.50	9.87	33.40
AV	15.71332G	40.99	54.00	-13.01	27.02	3	Horizontal	301	2.38	-	37.50	9.87	33.40

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

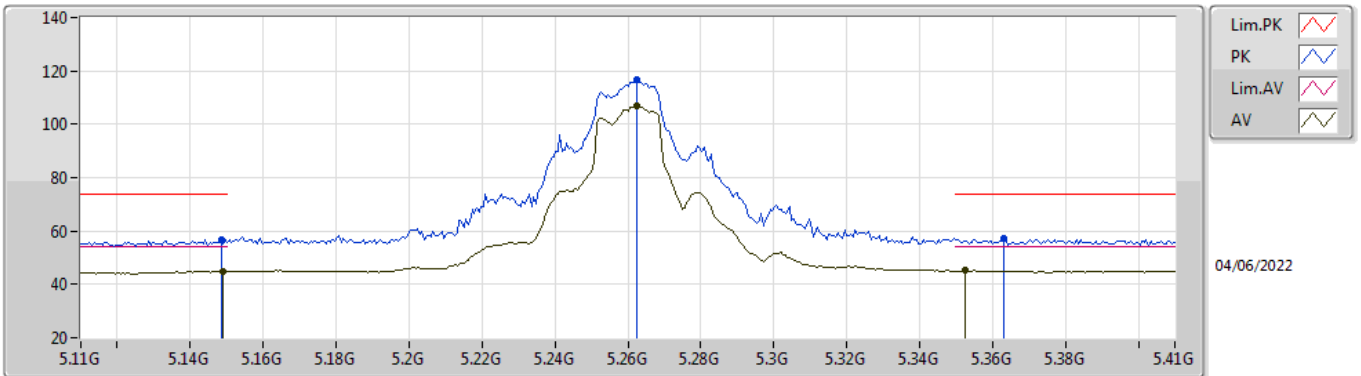


EUT V_4TX
Setting 108
02-B-S-5-10

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	5.1136G	58.80	74.00	-15.20	52.21	3	Vertical	90	1.72	-	33.53	5.21	32.15
AV	5.1214G	46.48	54.00	-7.52	39.87	3	Vertical	90	1.72	-	33.54	5.22	32.15
PK	5.2624G	122.42	Inf	-Inf	115.51	3	Vertical	90	1.72	-	33.72	5.33	32.14
AV	5.2618G	113.04	Inf	-Inf	106.13	3	Vertical	90	1.72	-	33.72	5.33	32.14
PK	5.362G	60.21	74.00	-13.79	53.05	3	Vertical	90	1.72	-	33.92	5.38	32.14
AV	5.362G	48.46	54.00	-5.54	41.30	3	Vertical	90	1.72	-	33.92	5.38	32.14

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

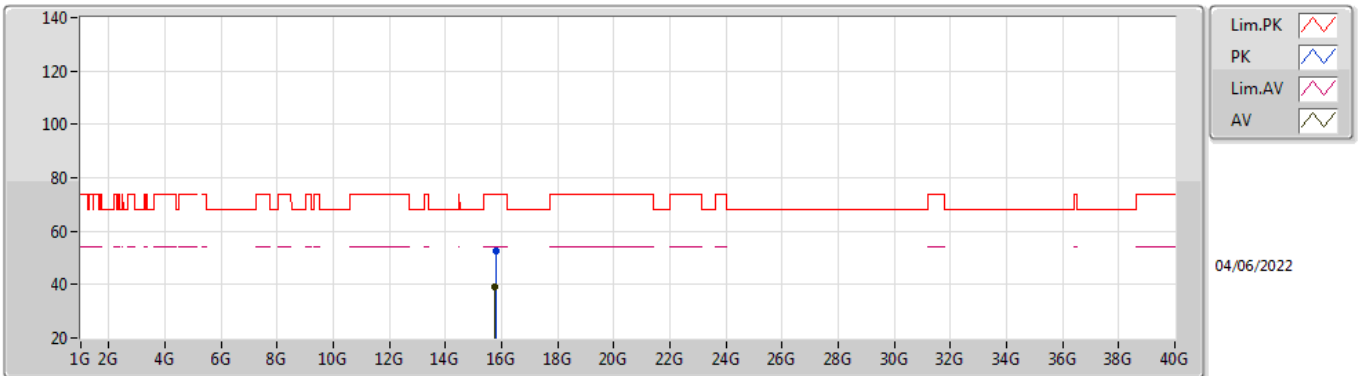


EUT V_4TX
Setting 108
02-B-S-5-10

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	5.1484G	56.77	74.00	-17.23	50.07	3	Horizontal	115	2.90	-	33.60	5.25	32.15
AV	5.149G	44.94	54.00	-9.06	38.24	3	Horizontal	115	2.90	-	33.60	5.25	32.15
PK	5.2624G	116.48	Inf	-Inf	109.57	3	Horizontal	115	2.90	-	33.72	5.33	32.14
AV	5.2624G	106.88	Inf	-Inf	99.97	3	Horizontal	115	2.90	-	33.72	5.33	32.14
PK	5.3632G	57.08	74.00	-16.92	49.91	3	Horizontal	115	2.90	-	33.93	5.38	32.14
AV	5.3524G	45.22	54.00	-8.78	38.08	3	Horizontal	115	2.90	-	33.90	5.38	32.14

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

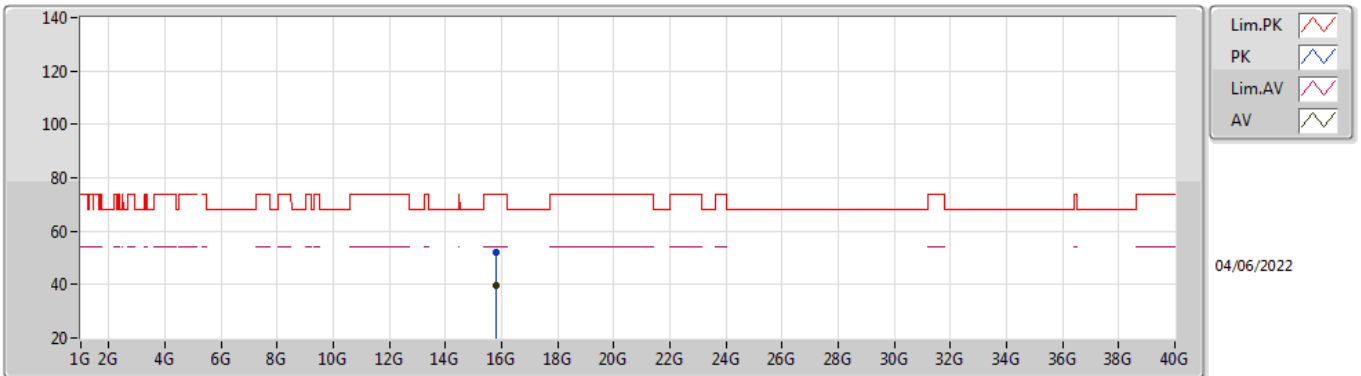


EUT Y_4TX
Setting 108
02-B-S-5

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	15.7797G	52.77	74.00	-21.23	38.85	3	Vertical	106	2.42	-	37.50	9.90	33.48	
AV	15.7762G	39.33	54.00	-14.67	25.41	3	Vertical	106	2.42	-	37.50	9.90	33.48	

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

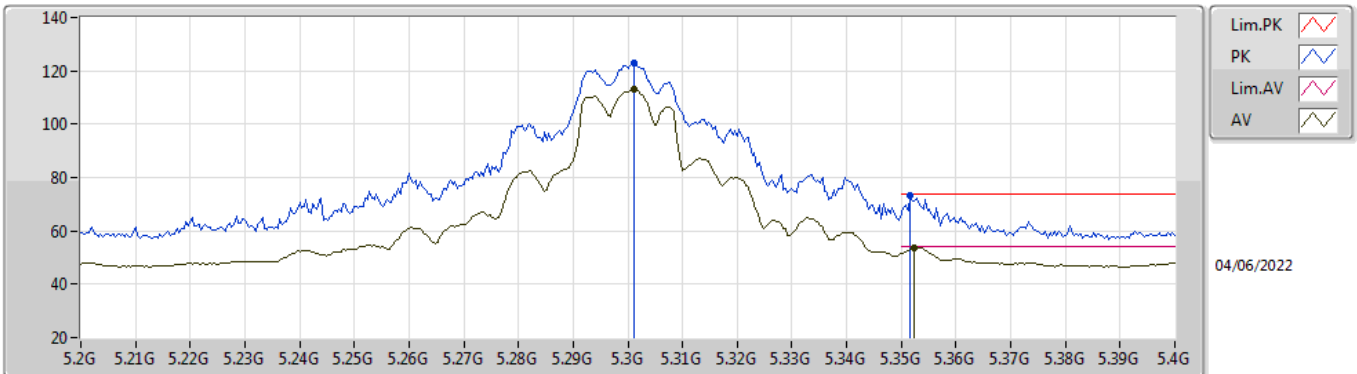


EUT Y_4TX
Setting 108
02-B-S-5

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	15.7829G	52.00	74.00	-22.00	38.08	3	Horizontal	107	2.94	-	37.50	9.90	33.48
AV	15.78348G	39.42	54.00	-14.58	25.50	3	Horizontal	107	2.94	-	37.50	9.90	33.48

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

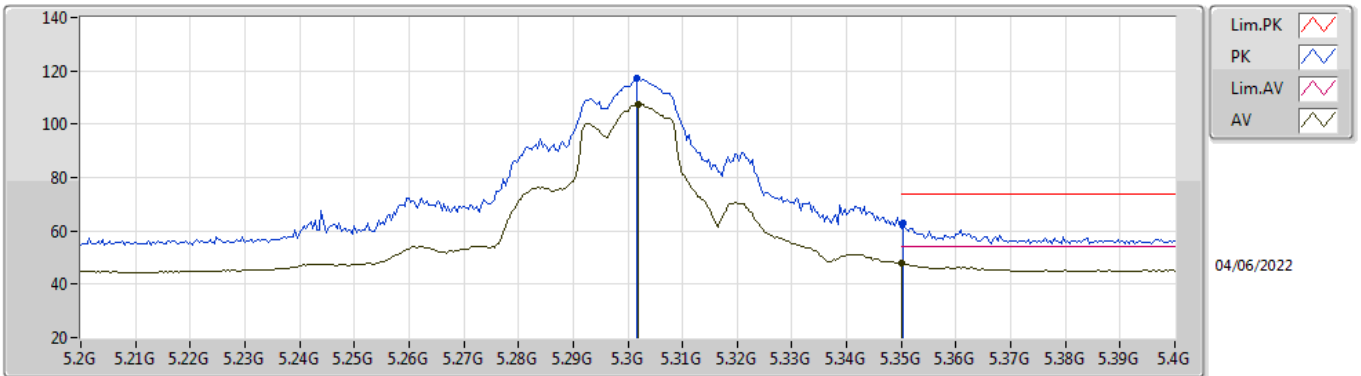


EUT Y_4TX
Setting 104
02-B-S-5-10

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	5.3012G	122.88	Inf	-Inf	115.87	3	Vertical	88	1.62	-	33.80	5.35	32.14
AV	5.3012G	113.32	Inf	-Inf	106.31	3	Vertical	88	1.62	-	33.80	5.35	32.14
PK	5.3516G	73.48	74.00	-0.52	66.34	3	Vertical	88	1.62	-	33.90	5.38	32.14
AV	5.3524G	53.82	54.00	-0.18	46.68	3	Vertical	88	1.62	-	33.90	5.38	32.14

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

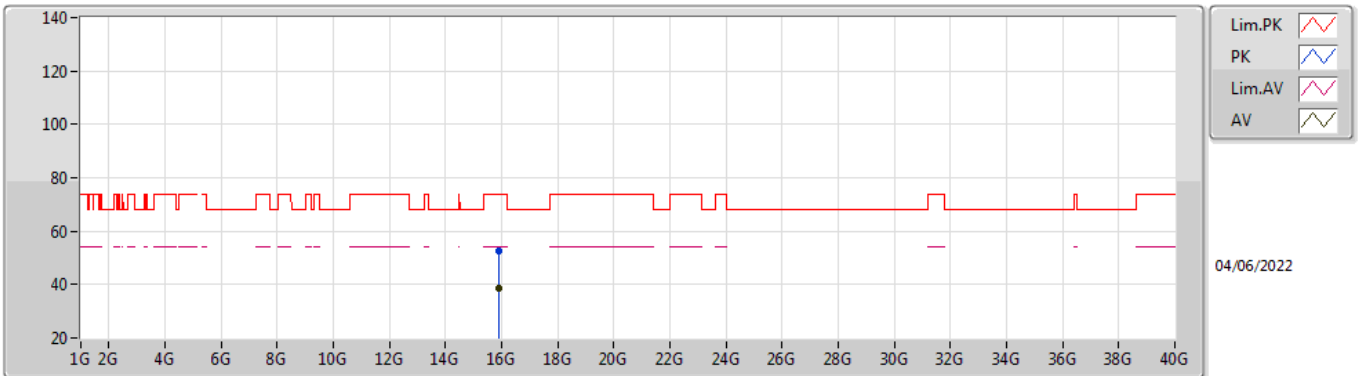


EUT_Y_4TX
Setting 104
02-B-S-5-10

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	5.3016G	117.21	Inf	-Inf	110.20	3	Horizontal	116	1.98	-	33.80	5.35	32.14	
AV	5.302G	107.37	Inf	-Inf	100.36	3	Horizontal	116	1.98	-	33.80	5.35	32.14	
PK	5.3504G	62.91	74.00	-11.09	55.77	3	Horizontal	116	1.98	-	33.90	5.38	32.14	
AV	5.35G	47.73	54.00	-6.27	40.59	3	Horizontal	116	1.98	-	33.90	5.38	32.14	

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

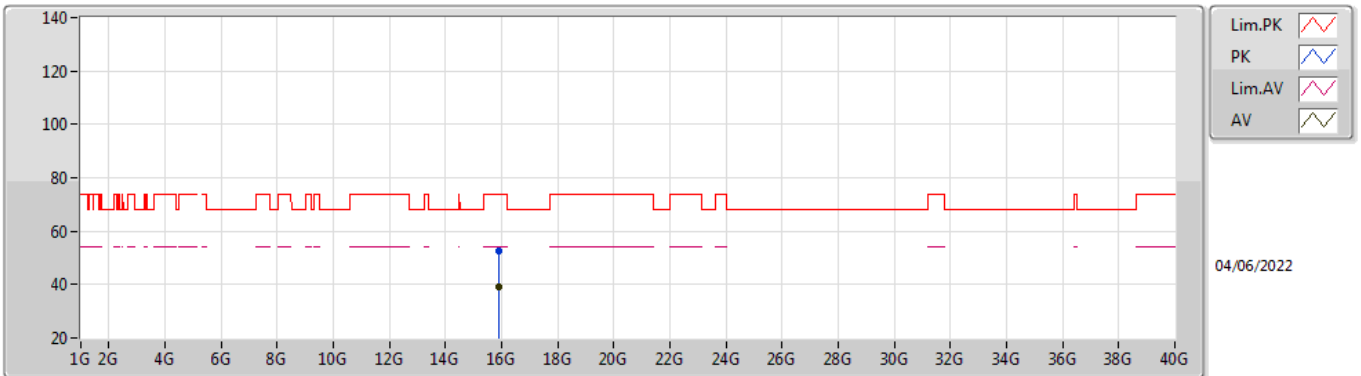


EUT Y_4TX
Setting 104
02-B-S-5

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	15.8963G	52.50	74.00	-21.50	38.86	3	Vertical	206	1.93	-	37.31	9.95	33.62
AV	15.8957G	38.72	54.00	-15.28	25.08	3	Vertical	206	1.93	-	37.31	9.95	33.62

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

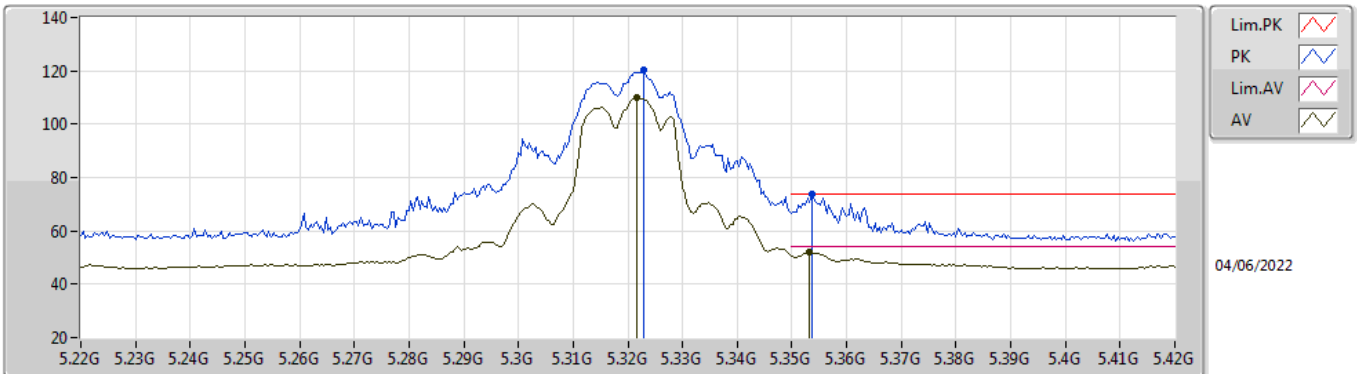


EUT Y_4TX
Setting 104
02-B-S-5

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	15.89734G	52.37	74.00	-21.63	38.73	3	Horizontal	221	2.86	-	37.31	9.95	33.62
AV	15.89748G	38.88	54.00	-15.12	25.24	3	Horizontal	221	2.86	-	37.31	9.95	33.62

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

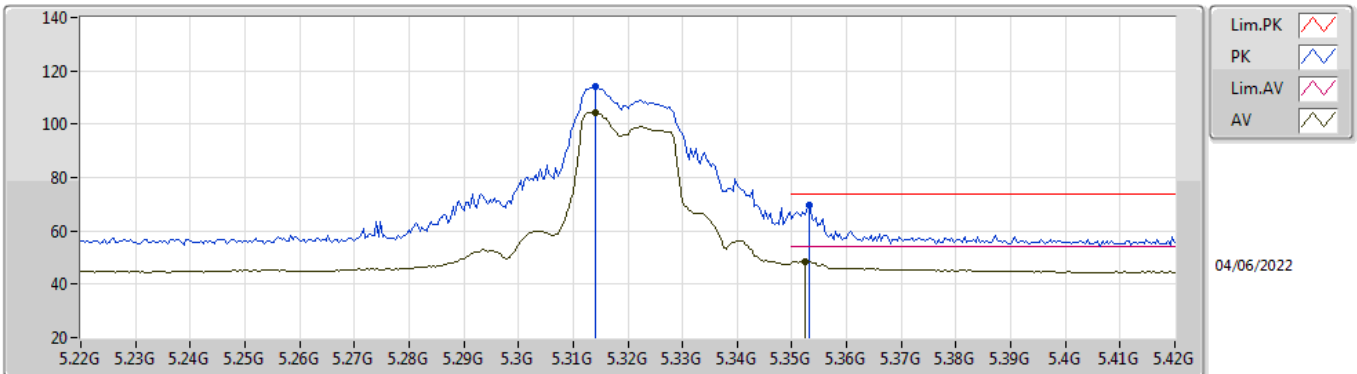


EUT Y_4TX
Setting 89
02-B-S-5-10

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	5.3228G	120.20	Inf	-Inf	113.13	3	Vertical	91	1.80	-	33.85	5.36	32.14	
AV	5.3216G	109.99	Inf	-Inf	102.93	3	Vertical	91	1.80	-	33.84	5.36	32.14	
PK	5.3536G	73.92	74.00	-0.08	66.77	3	Vertical	91	1.80	-	33.91	5.38	32.14	
AV	5.3532G	51.94	54.00	-2.06	44.79	3	Vertical	91	1.80	-	33.91	5.38	32.14	

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

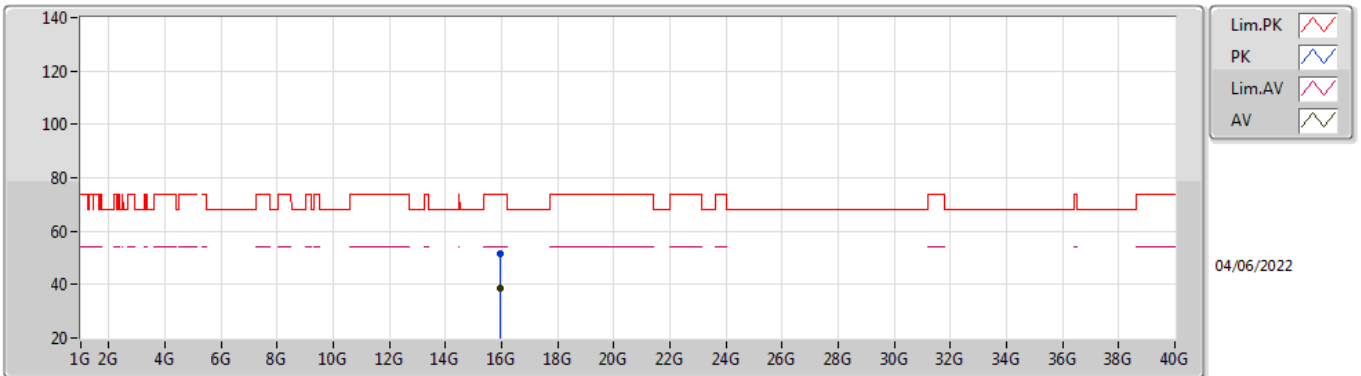


EUT Y_4TX
Setting 89
02-B-S-5-10

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	5.314G	114.39	Inf	-Inf	107.34	3	Horizontal	67	2.52	-	33.83	5.36	32.14	
AV	5.314G	104.47	Inf	-Inf	97.42	3	Horizontal	67	2.52	-	33.83	5.36	32.14	
PK	5.3532G	69.48	74.00	-4.52	62.33	3	Horizontal	67	2.52	-	33.91	5.38	32.14	
AV	5.3524G	48.58	54.00	-5.42	41.44	3	Horizontal	67	2.52	-	33.90	5.38	32.14	

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

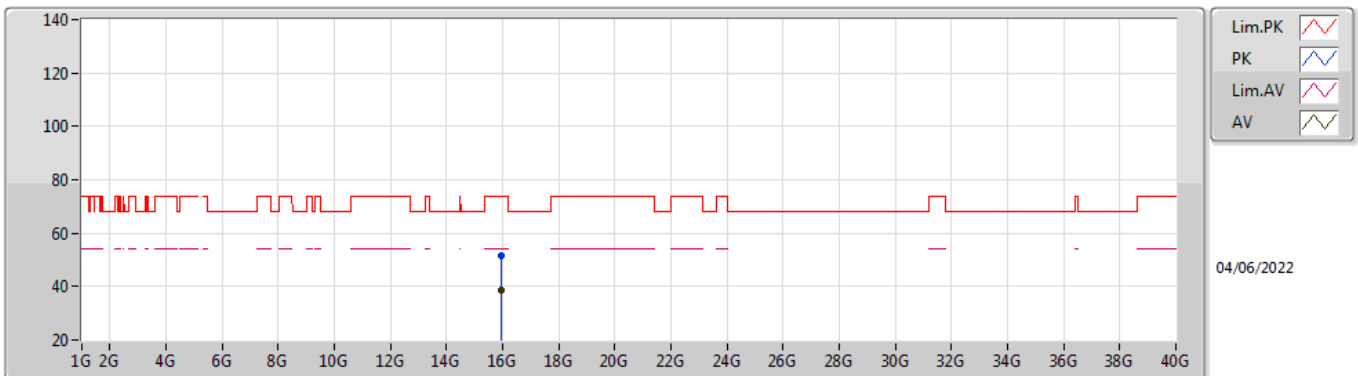


EUT Y_4TX
Setting 89
02-B-S-5

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	15.95898G	51.72	74.00	-22.28	38.13	3	Vertical	288	2.89	-	37.30	9.98	33.69
AV	15.96172G	38.60	54.00	-15.40	25.01	3	Vertical	288	2.89	-	37.30	9.98	33.69

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

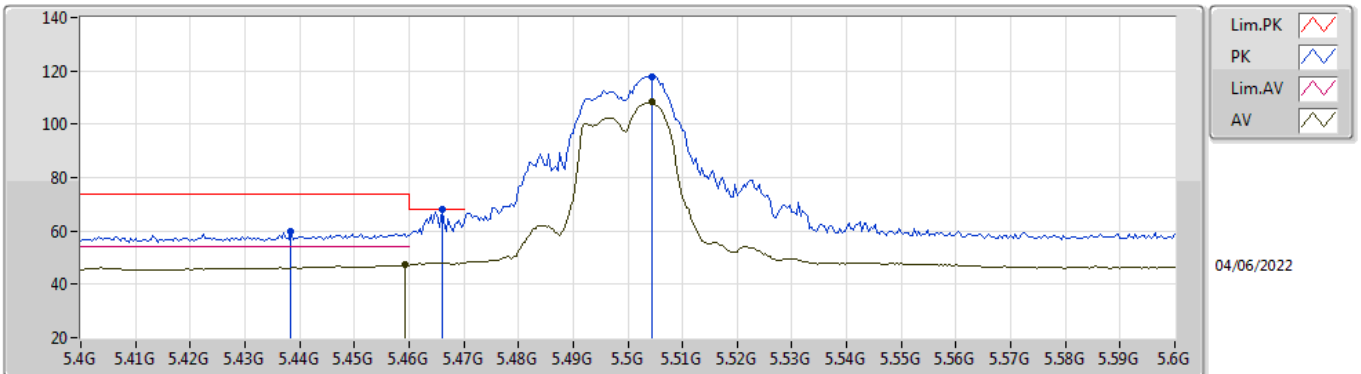


EUT Y_4TX
Setting 89
02-B-S-5

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	15.95546G	51.33	74.00	-22.67	37.74	3	Horizontal	219	1.00	-	37.30	9.98	33.69	
AV	15.95548G	38.57	54.00	-15.43	24.98	3	Horizontal	219	1.00	-	37.30	9.98	33.69	

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

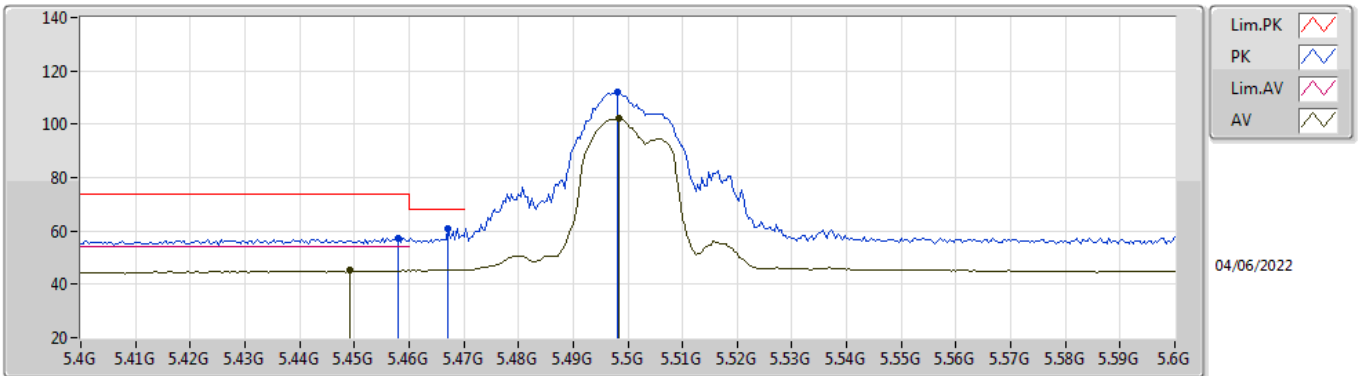


EUT_V_4TX
Setting 79
02-B-S-5-10

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	5.4384G	59.82	74.00	-14.18	52.51	3	Vertical	99	1.79	-	34.00	5.44	32.13	
PK	5.466G	67.98	68.20	-0.22	60.64	3	Vertical	99	1.79	-	34.00	5.47	32.13	
AV	5.4592G	47.45	54.00	-6.55	40.12	3	Vertical	99	1.79	-	34.00	5.46	32.13	
PK	5.5044G	117.75	Inf	-Inf	110.38	3	Vertical	99	1.79	-	34.00	5.50	32.13	
AV	5.5044G	108.22	Inf	-Inf	100.85	3	Vertical	99	1.79	-	34.00	5.50	32.13	

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

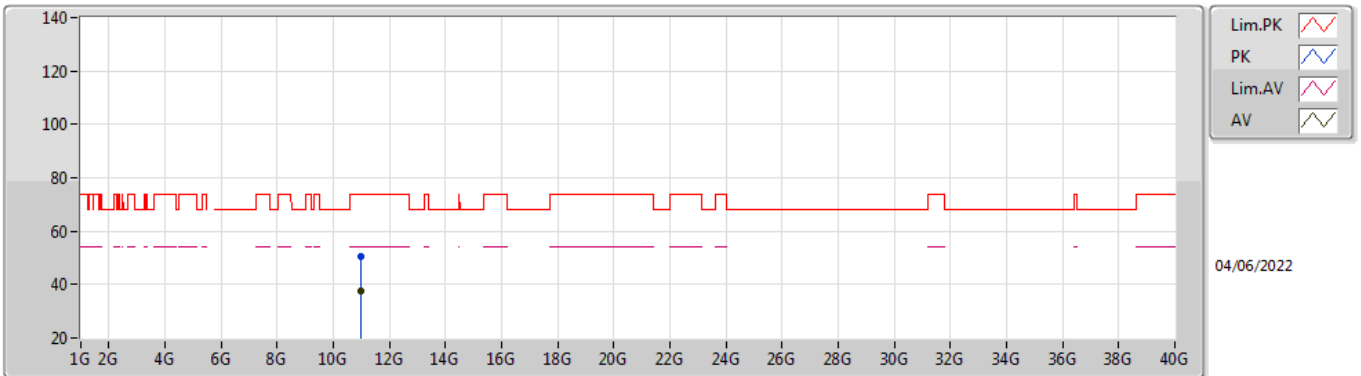


EUT V_4TX
Setting 79
02-B-S-5-10

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	5.458G	57.44	74.00	-16.56	50.11	3	Horizontal	317	1.76	-	34.00	5.46	32.13
AV	5.4492G	45.16	54.00	-8.84	37.84	3	Horizontal	317	1.76	-	34.00	5.45	32.13
PK	5.4672G	60.89	68.20	-7.31	53.55	3	Horizontal	317	1.76	-	34.00	5.47	32.13
PK	5.498G	112.00	Inf	-Inf	104.63	3	Horizontal	317	1.76	-	34.00	5.50	32.13
AV	5.4984G	102.17	Inf	-Inf	94.80	3	Horizontal	317	1.76	-	34.00	5.50	32.13

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

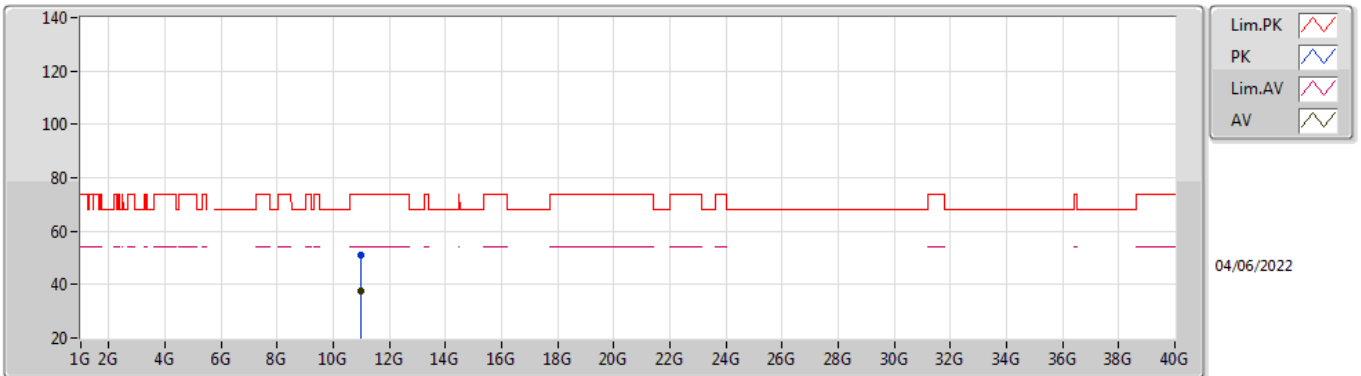


EUT Y_4TX
Setting 79
02-B-S-5

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	11.00418G	50.37	74.00	-23.63	37.34	3	Vertical	239	2.45	-	38.60	7.70	33.27
AV	11.00364G	37.35	54.00	-16.65	24.32	3	Vertical	239	2.45	-	38.60	7.70	33.27

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

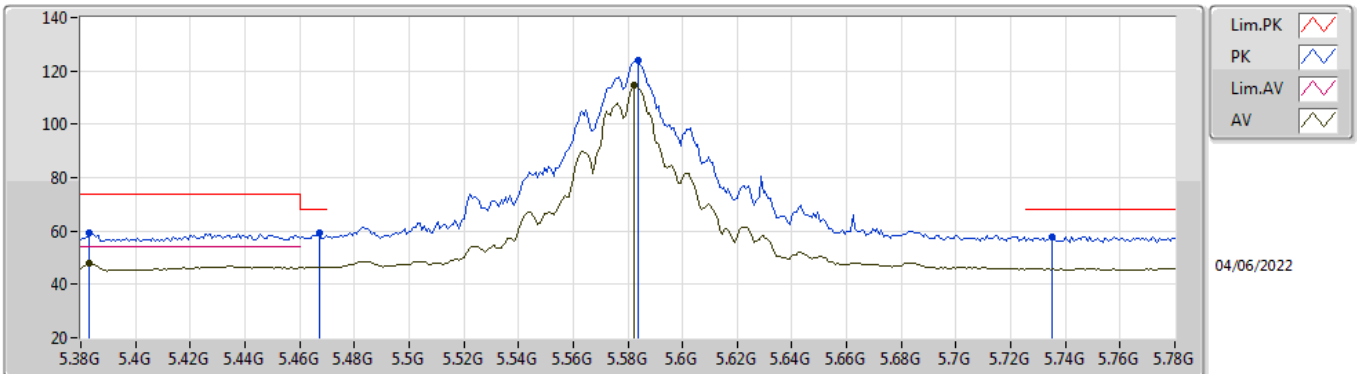


EUT Y_4TX
Setting 79
02-B-S-5

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	10.99782G	50.87	74.00	-23.13	37.84	3	Horizontal	225	1.01	-	38.60	7.70	33.27
AV	11.00264G	37.43	54.00	-16.57	24.40	3	Horizontal	225	1.01	-	38.60	7.70	33.27

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

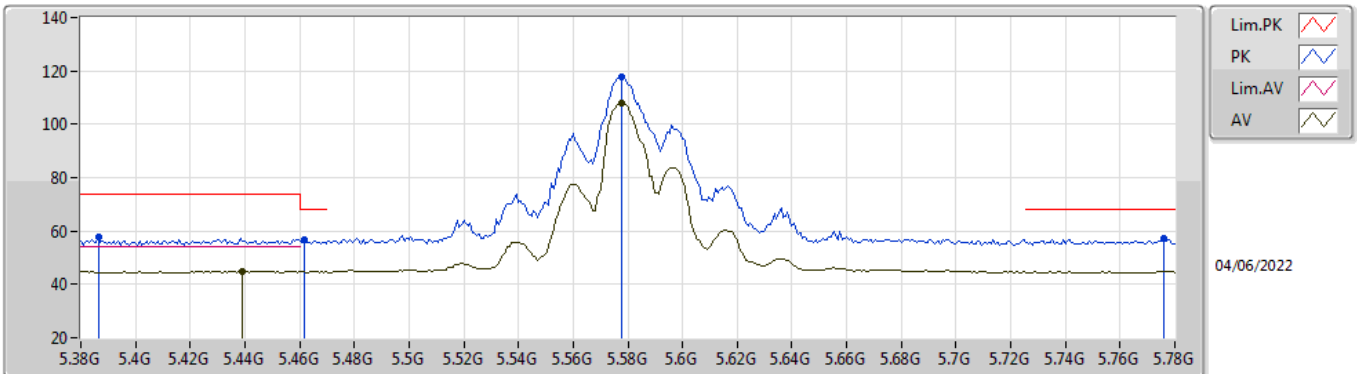


EUT V_4TX
Setting 108
02-B-S-5-10

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	5.3832G	59.15	74.00	-14.85	51.93	3	Vertical	66	2.36	-	33.97	5.39	32.14
AV	5.3832G	47.72	54.00	-6.28	40.50	3	Vertical	66	2.36	-	33.97	5.39	32.14
PK	5.4672G	59.11	68.20	-9.09	51.77	3	Vertical	66	2.36	-	34.00	5.47	32.13
PK	5.584G	123.76	Inf	-Inf	116.39	3	Vertical	66	2.36	-	33.93	5.58	32.14
AV	5.5824G	114.43	Inf	-Inf	107.04	3	Vertical	66	2.36	-	33.94	5.58	32.13
PK	5.7352G	57.88	68.20	-10.32	50.59	3	Vertical	66	2.36	-	33.83	5.60	32.14

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

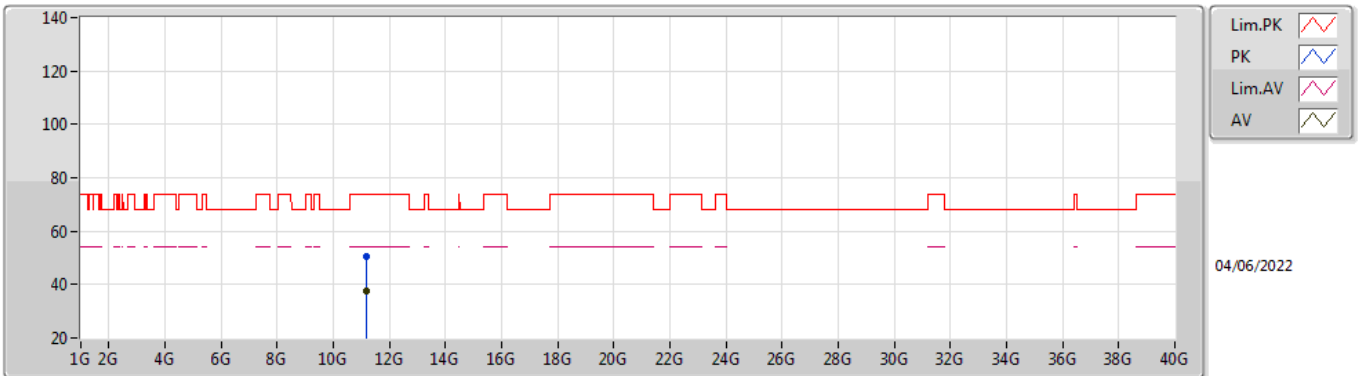


EUT V_4TX
Setting 108
02-B-S-5-10

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	5.3864G	57.66	74.00	-16.34	50.44	3	Horizontal	316	1.80	-	33.97	5.39	32.14
PK	5.4616G	56.63	68.20	-11.57	49.30	3	Horizontal	316	1.80	-	34.00	5.46	32.13
AV	5.4392G	44.96	54.00	-9.04	37.65	3	Horizontal	316	1.80	-	34.00	5.44	32.13
PK	5.5776G	117.70	Inf	-Inf	110.31	3	Horizontal	316	1.80	-	33.94	5.58	32.13
AV	5.5776G	108.13	Inf	-Inf	100.74	3	Horizontal	316	1.80	-	33.94	5.58	32.13
PK	5.776G	57.38	68.20	-10.82	50.13	3	Horizontal	316	1.80	-	33.80	5.60	32.15

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

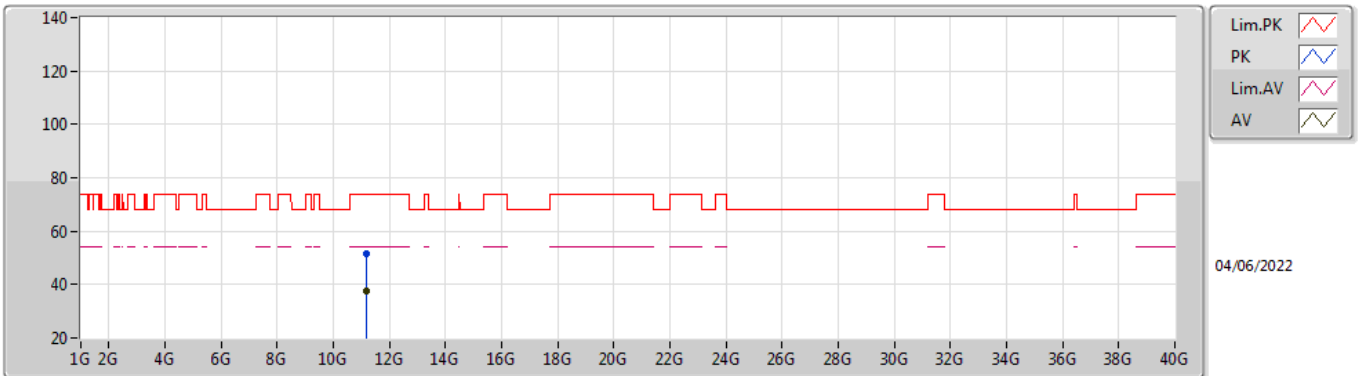


EUT Y_4TX
Setting 108
02-B-S-5

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	11.15888G	50.69	74.00	-23.31	37.42	3	Vertical	109	2.47	-	38.76	7.76	33.25
AV	11.16242G	37.62	54.00	-16.38	24.35	3	Vertical	109	2.47	-	38.76	7.76	33.25

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

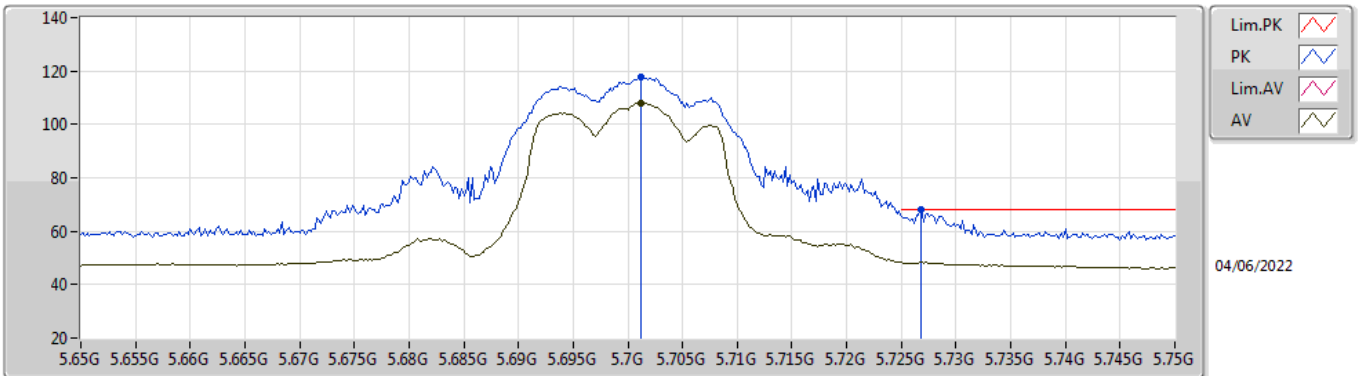


EUT Y_4TX
Setting 108
02-B-S-5

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	11.15652G	51.72	74.00	-22.28	38.45	3	Horizontal	64	1.96	-	38.76	7.76	33.25
AV	11.15752G	37.55	54.00	-16.45	24.28	3	Horizontal	64	1.96	-	38.76	7.76	33.25

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

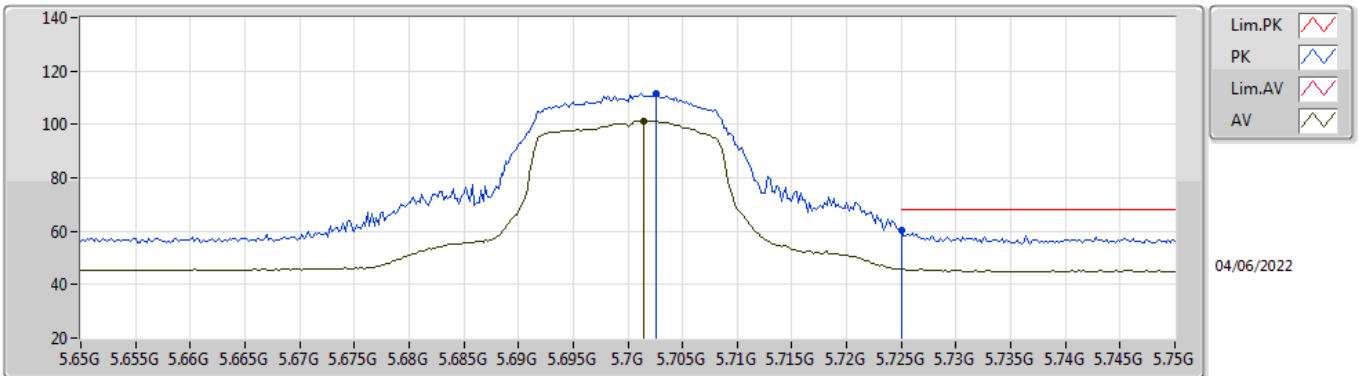


EUT Y_4TX
Setting 74
02-B-S-5-10

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	5.7012G	117.58	Inf	-Inf	110.22	3	Vertical	65	1.76	-	33.90	5.60	32.14
AV	5.7012G	107.94	Inf	-Inf	100.58	3	Vertical	65	1.76	-	33.90	5.60	32.14
PK	5.7268G	68.04	68.20	-0.16	60.73	3	Vertical	65	1.76	-	33.85	5.60	32.14

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

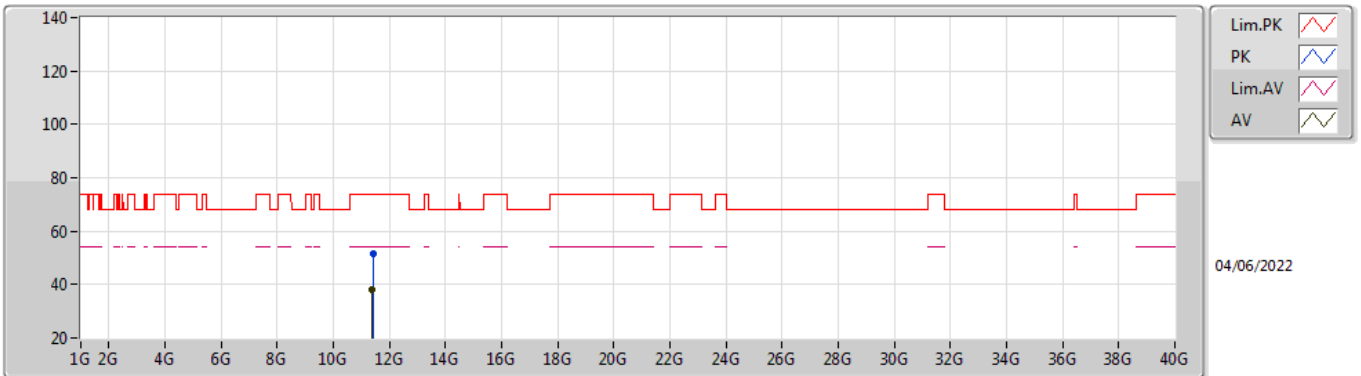


EUT Y_4TX
Setting 74
02-B-S-5-10

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	5.7026G	111.33	Inf	-Inf	103.98	3	Horizontal	119	2.53	-	33.89	5.60	32.14	
AV	5.7014G	101.44	Inf	-Inf	94.08	3	Horizontal	119	2.53	-	33.90	5.60	32.14	
PK	5.725G	60.54	68.20	-7.66	53.23	3	Horizontal	119	2.53	-	33.85	5.60	32.14	

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

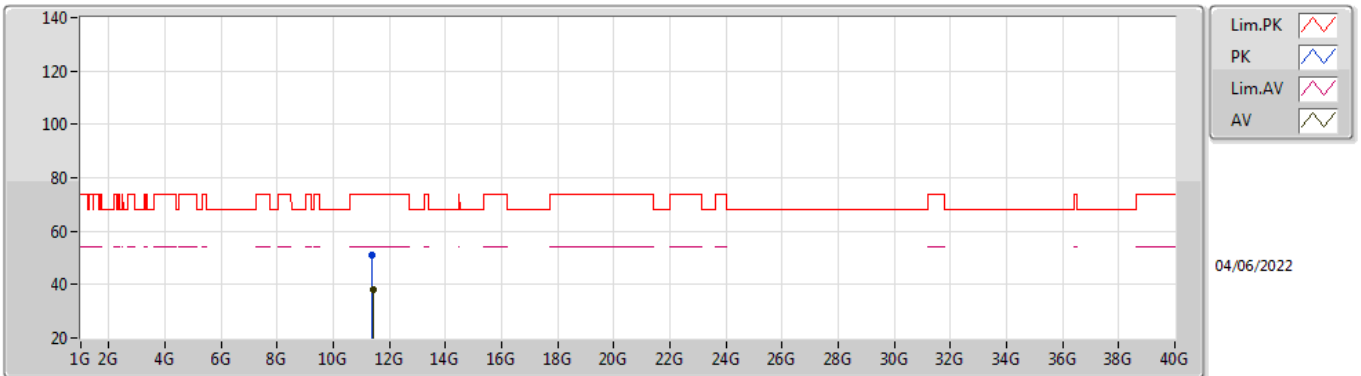


EUT Y_4TX
Setting 74
02-B-S-5

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	11.40296G	51.76	74.00	-22.24	38.32	3	Vertical	96	1.95	-	38.81	7.86	33.23
AV	11.39908G	37.95	54.00	-16.05	24.52	3	Vertical	96	1.95	-	38.80	7.86	33.23

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

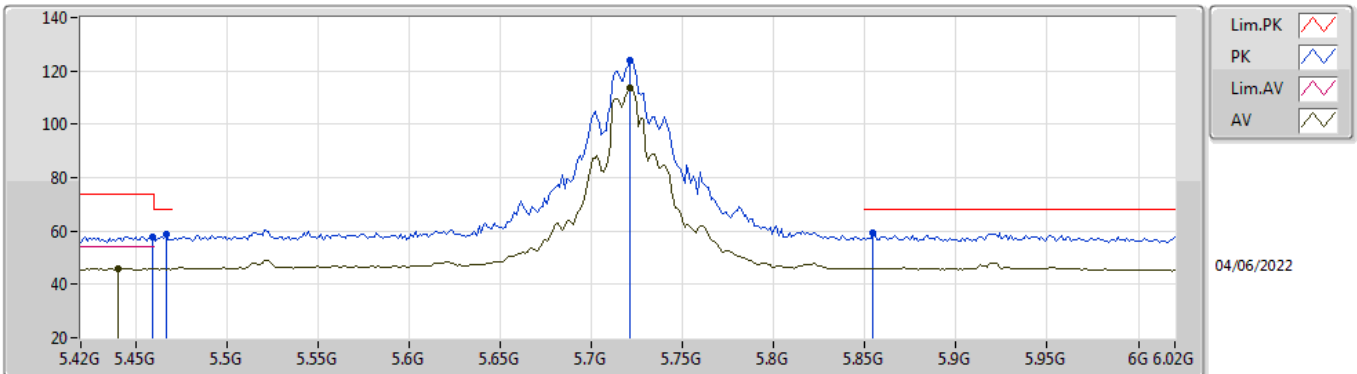


EUT Y_4TX
Setting 74
02-B-S-5

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	11.3994G	51.25	74.00	-22.75	37.82	3	Horizontal	136	2.70	-	38.80	7.86	33.23
AV	11.40344G	38.04	54.00	-15.96	24.60	3	Horizontal	136	2.70	-	38.81	7.86	33.23

802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

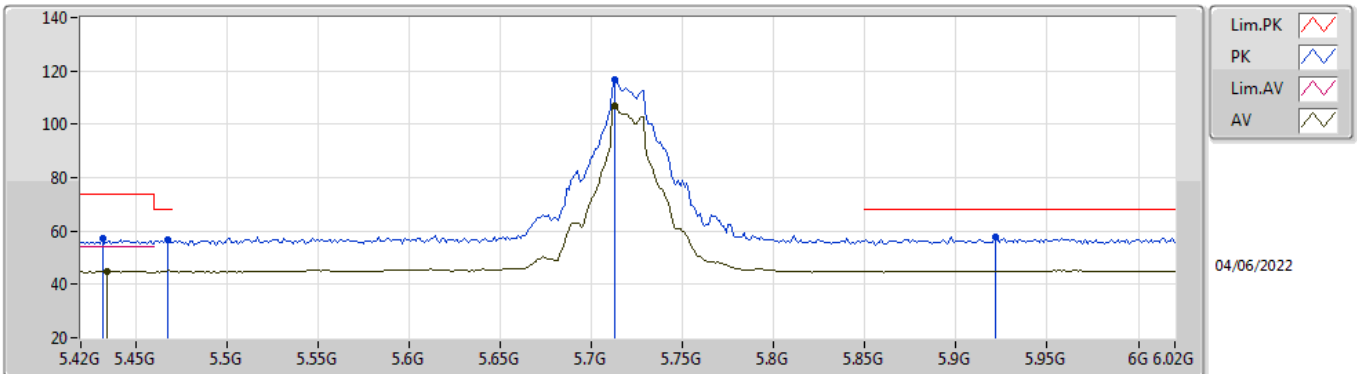


EUT V_4TX
Setting 108
02-B-S-5-10

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	5.4596G	57.92	74.00	-16.08	50.59	3	Vertical	66	1.73	-	34.00	5.46	32.13
AV	5.4404G	45.84	54.00	-8.16	38.53	3	Vertical	66	1.73	-	34.00	5.44	32.13
PK	5.4668G	58.63	68.20	-9.57	51.29	3	Vertical	66	1.73	-	34.00	5.47	32.13
PK	5.7212G	123.93	Inf	-Inf	116.61	3	Vertical	66	1.73	-	33.86	5.60	32.14
AV	5.7212G	113.79	Inf	-Inf	106.47	3	Vertical	66	1.73	-	33.86	5.60	32.14
PK	5.8544G	59.37	68.20	-8.83	52.04	3	Vertical	66	1.73	-	33.83	5.65	32.15

802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

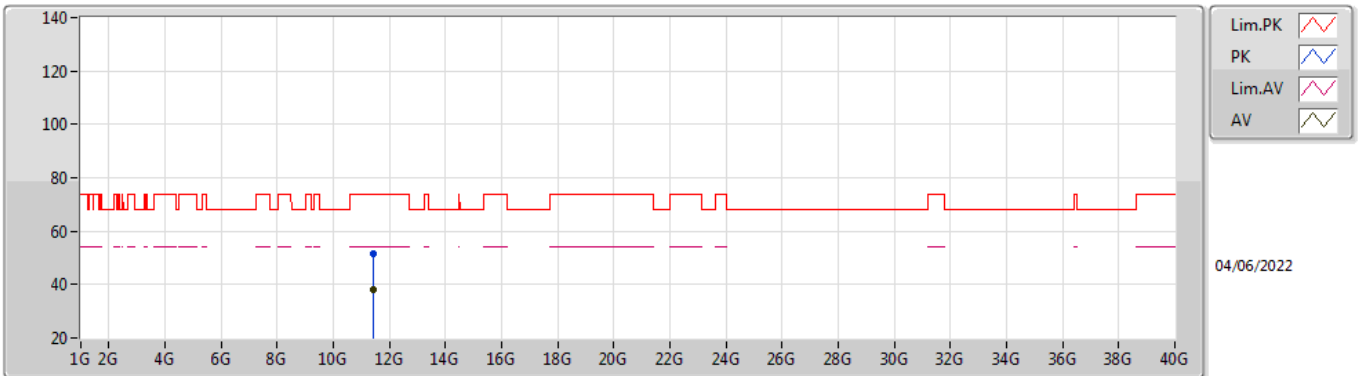


EUT V_4TX
Setting 108
02-B-S-5-10

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	5.432G	57.15	74.00	-16.85	49.85	3	Horizontal	110	2.85	-	34.00	5.43	32.13	
AV	5.4344G	44.92	54.00	-9.08	37.62	3	Horizontal	110	2.85	-	34.00	5.43	32.13	
PK	5.468G	56.58	68.20	-11.62	49.24	3	Horizontal	110	2.85	-	34.00	5.47	32.13	
PK	5.7128G	116.70	Inf	-Inf	109.37	3	Horizontal	110	2.85	-	33.87	5.60	32.14	
AV	5.7128G	106.71	Inf	-Inf	99.38	3	Horizontal	110	2.85	-	33.87	5.60	32.14	
PK	5.9216G	57.70	68.20	-10.50	50.00	3	Horizontal	110	2.85	-	34.14	5.72	32.16	

802.11a_Nss1,(6Mbps)_4TX

5720MHz_TnomVnom

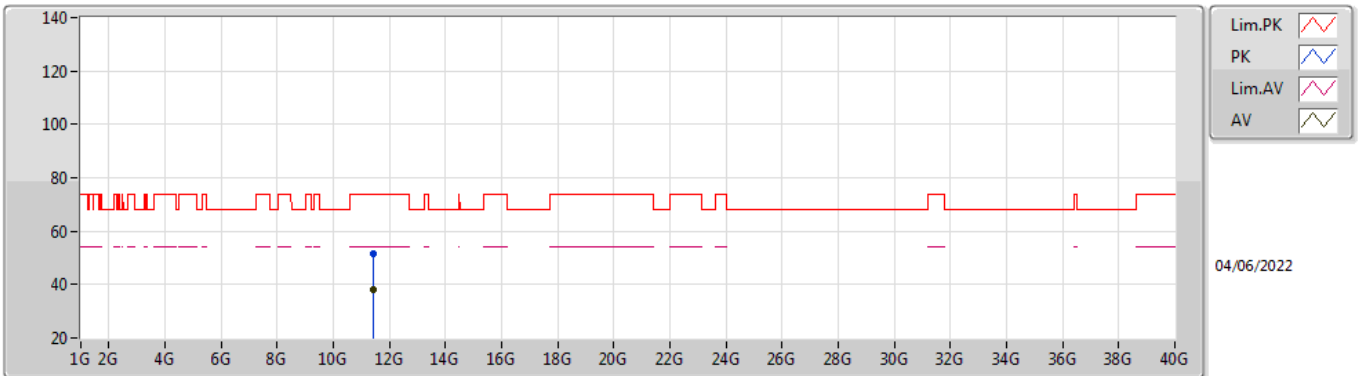


EUT Y_4TX
Setting 108
02-B-S-5

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	11.43504G	51.45	74.00	-22.55	37.94	3	Vertical	49	2.93	-	38.87	7.87	33.23
AV	11.43776G	38.26	54.00	-15.74	24.73	3	Vertical	49	2.93	-	38.88	7.88	33.23

802.11a_Nss1,(6Mbps)_4TX

5720MHz_TnomVnom

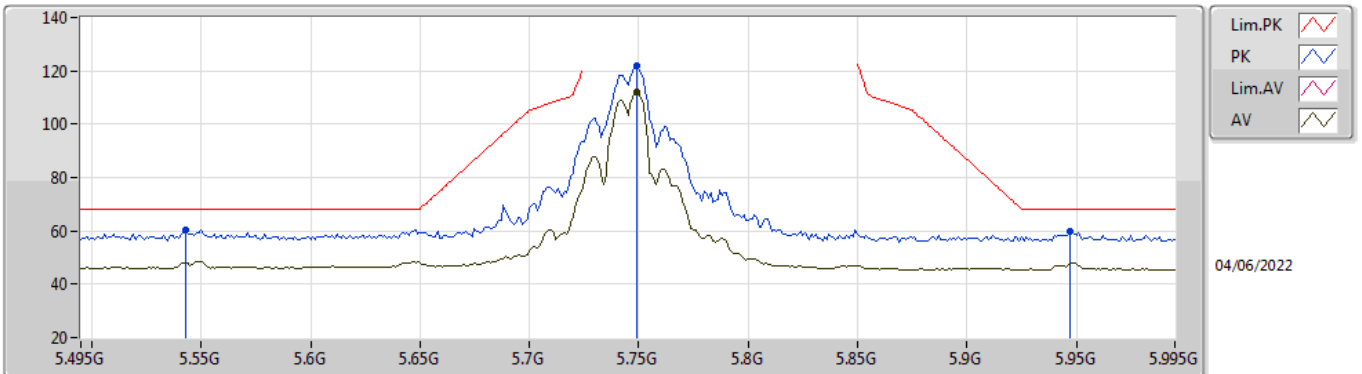


EUT Y_4TX
Setting 108
02-B-S-5

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	11.43596G	51.42	74.00	-22.58	37.91	3	Horizontal	110	1.57	-	38.87	7.87	33.23
AV	11.443G	38.23	54.00	-15.77	24.69	3	Horizontal	110	1.57	-	38.89	7.88	33.23

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

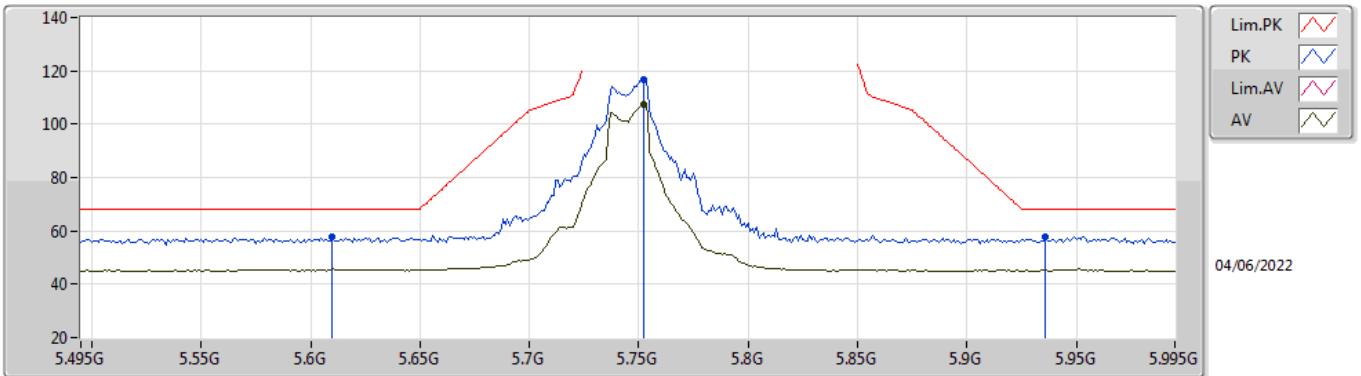


EUT_Y_4TX
Setting 108
02-B-S-5-10

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	5.543G	60.60	68.20	-7.60	53.19	3	Vertical	76	1.80	-	34.00	5.54	32.13	
PK	5.749G	121.72	Inf	-Inf	114.46	3	Vertical	76	1.80	-	33.80	5.60	32.14	
AV	5.749G	111.89	Inf	-Inf	104.63	3	Vertical	76	1.80	-	33.80	5.60	32.14	
PK	5.947G	59.81	68.20	-8.39	52.03	3	Vertical	76	1.80	-	34.19	5.75	32.16	

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

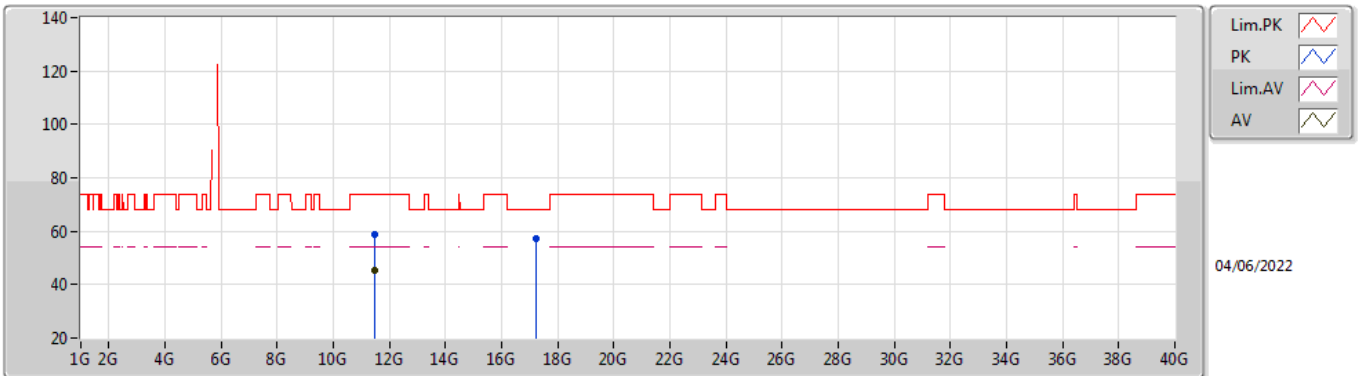


EUT_Y_4TX
Setting 108
02-B-S-5-10

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	5.61G	57.57	68.20	-10.63	50.23	3	Horizontal	100	2.51	-	33.88	5.60	32.14	
PK	5.752G	116.98	Inf	-Inf	109.73	3	Horizontal	100	2.51	-	33.80	5.60	32.15	
AV	5.752G	107.50	Inf	-Inf	100.25	3	Horizontal	100	2.51	-	33.80	5.60	32.15	
PK	5.936G	57.95	68.20	-10.25	50.20	3	Horizontal	100	2.51	-	34.17	5.74	32.16	

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

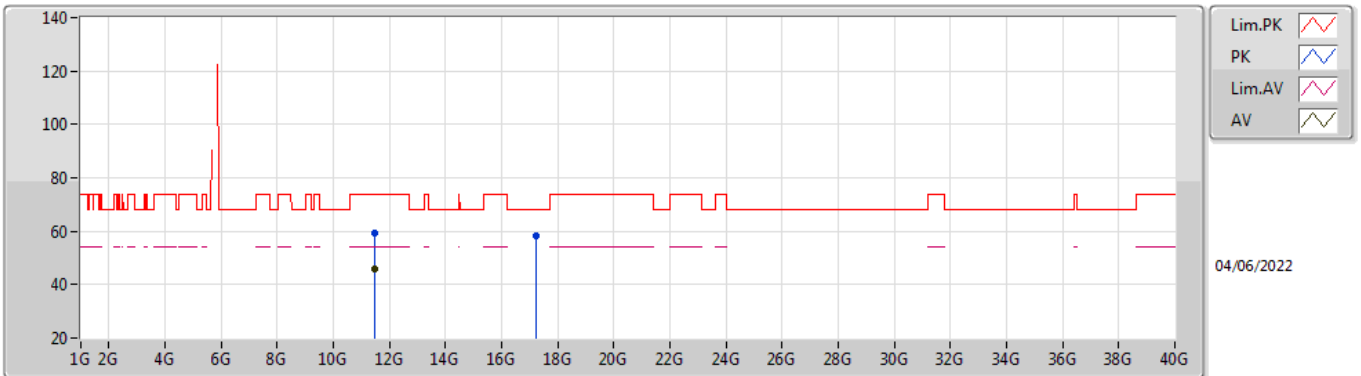


EUT Y_4TX
Setting 108
02-B-S-5

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	11.48952G	59.00	74.00	-15.00	45.34	3	Vertical	279	1.94	-	38.98	7.90	33.22
AV	11.49052G	45.48	54.00	-8.52	31.82	3	Vertical	279	1.94	-	38.98	7.90	33.22
PK	17.23864G	57.34	68.20	-10.86	37.80	3	Vertical	253	2.55	-	42.19	10.62	33.27

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

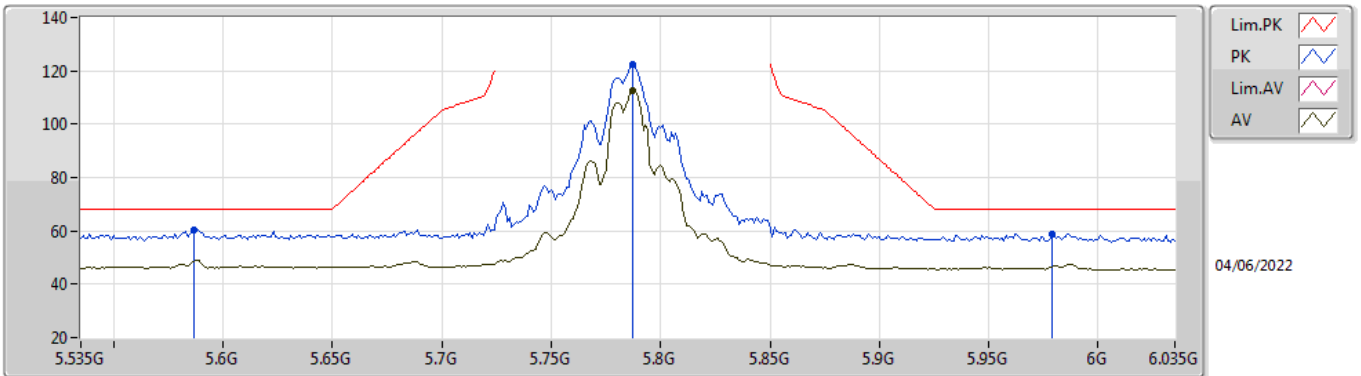


EUT Y_4TX
Setting 108
02-B-S-5

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	11.4884G	59.41	74.00	-14.59	45.75	3	Horizontal	34.6	1.80	-	38.98	7.90	33.22
AV	11.48784G	46.01	54.00	-7.99	32.35	3	Horizontal	34.6	1.80	-	38.98	7.90	33.22
PK	17.24096G	58.21	68.20	-9.99	38.66	3	Horizontal	342	2.98	-	42.20	10.62	33.27

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

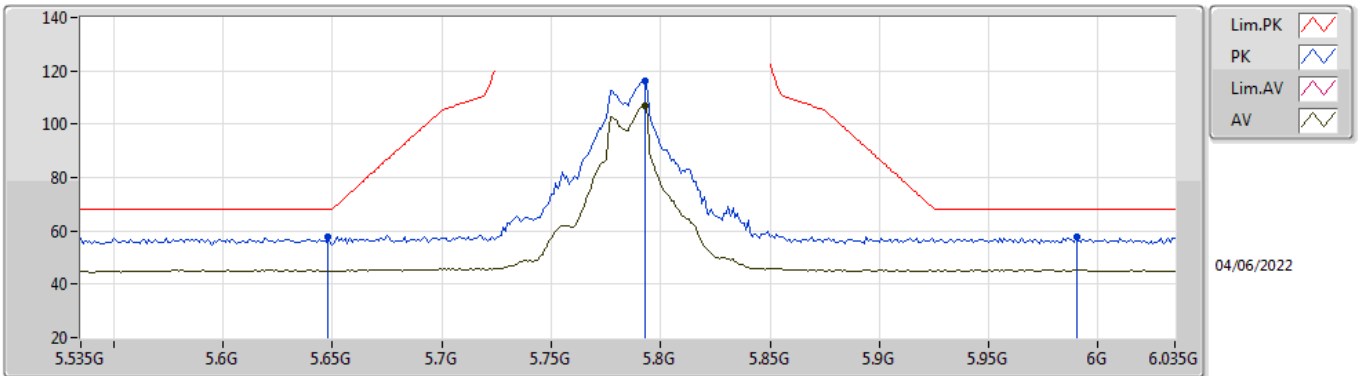


EUT Y_4TX
Setting 108
02-B-S-5-10

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	5.587G	60.55	68.20	-7.65	53.17	3	Vertical	71	1.80	-	33.93	5.59	32.14	
PK	5.787G	122.37	Inf	-Inf	115.12	3	Vertical	71	1.80	-	33.80	5.60	32.15	
AV	5.787G	112.61	Inf	-Inf	105.36	3	Vertical	71	1.80	-	33.80	5.60	32.15	
PK	5.979G	59.04	68.20	-9.16	51.22	3	Vertical	71	1.80	-	34.20	5.78	32.16	

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

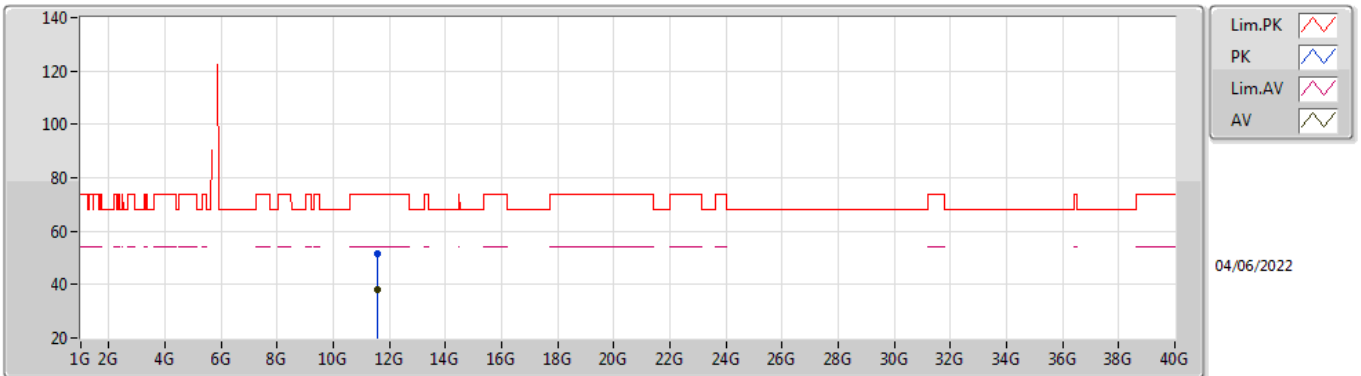


EUT Y_4TX
Setting 108
02-B-S-5-10

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	5.648G	57.95	68.20	-10.25	50.69	3	Horizontal	103	1.80	-	33.80	5.60	32.14	
PK	5.793G	116.20	Inf	-Inf	108.95	3	Horizontal	103	1.80	-	33.80	5.60	32.15	
AV	5.793G	106.81	Inf	-Inf	99.56	3	Horizontal	103	1.80	-	33.80	5.60	32.15	
PK	5.99G	57.75	68.20	-10.45	49.92	3	Horizontal	103	1.80	-	34.20	5.79	32.16	

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

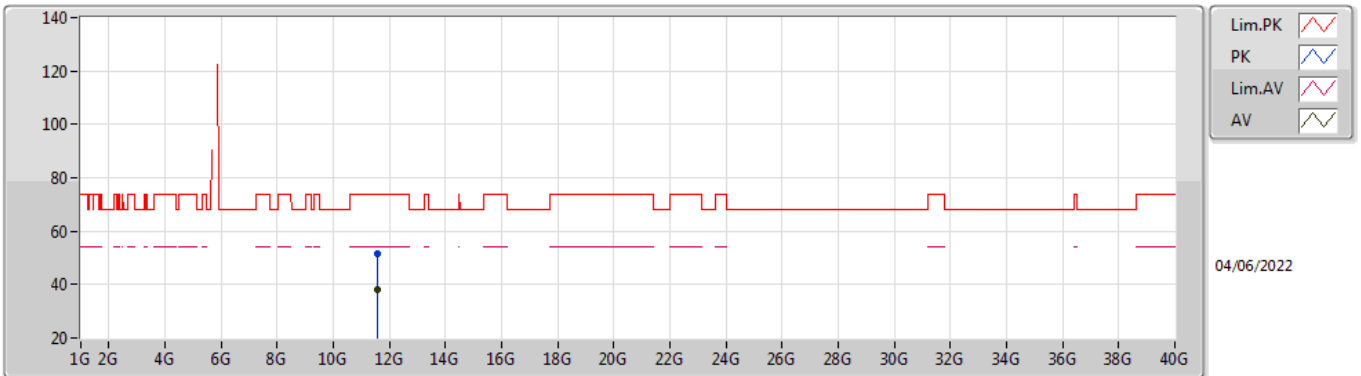


EUT Y_4TX
Setting 108
02-B-S-5

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	11.5726G	51.40	74.00	-22.60	37.49	3	Vertical	69	2.40	-	39.22	7.93	33.24
AV	11.56666G	38.19	54.00	-15.81	24.30	3	Vertical	69	2.40	-	39.20	7.93	33.24

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

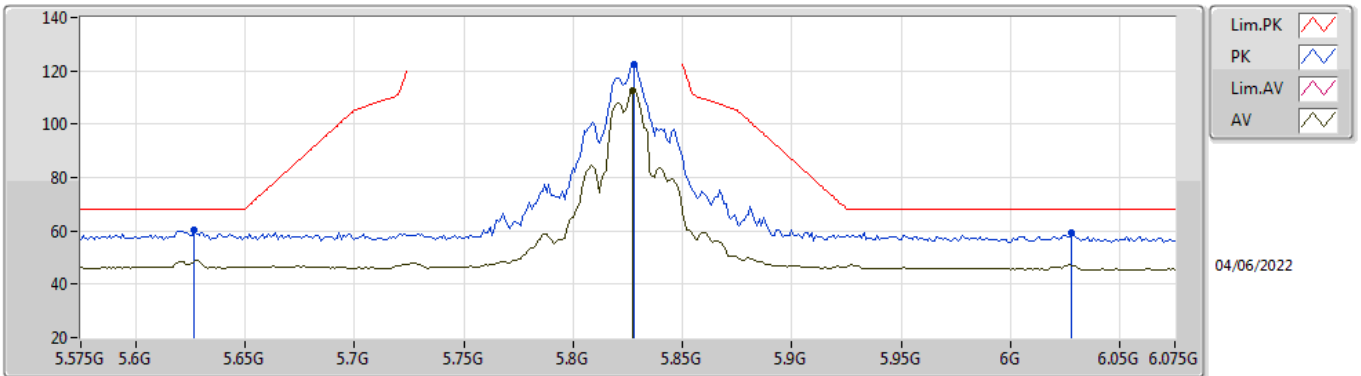


EUT Y_4TX
Setting 108
02-B-S-5

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	11.5715G	51.73	74.00	-22.27	37.83	3	Horizontal	234	2.86	-	39.21	7.93	33.24
AV	11.57028G	38.33	54.00	-15.67	24.43	3	Horizontal	234	2.86	-	39.21	7.93	33.24

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

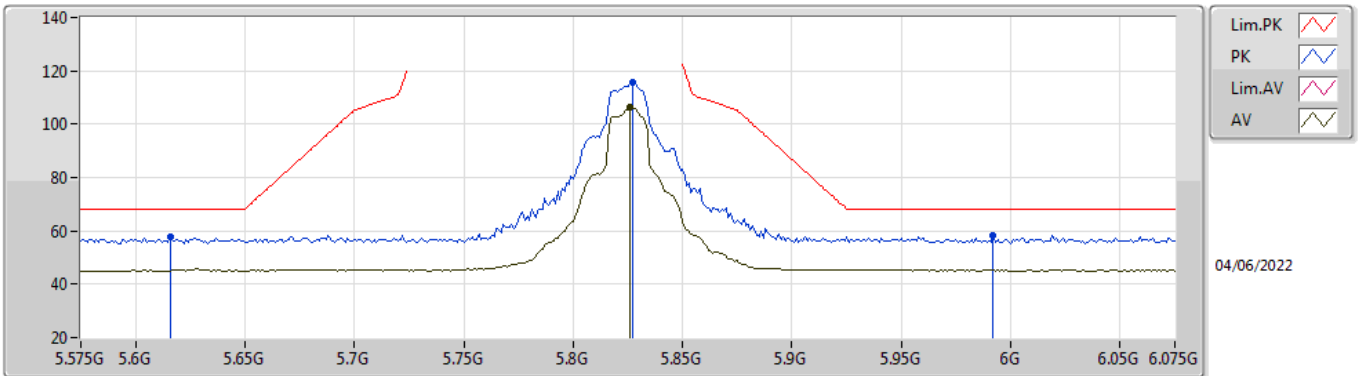


EUT_V_4TX
Setting 108
02-B-S-5-10

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	5.627G	60.20	68.20	-8.00	52.89	3	Vertical	72	1.71	-	33.85	5.60	32.14
PK	5.828G	122.33	Inf	-Inf	115.05	3	Vertical	72	1.71	-	33.80	5.63	32.15
AV	5.827G	112.50	Inf	-Inf	105.22	3	Vertical	72	1.71	-	33.80	5.63	32.15
PK	6.028G	59.32	68.20	-8.88	51.42	3	Vertical	72	1.71	-	34.26	5.80	32.16

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

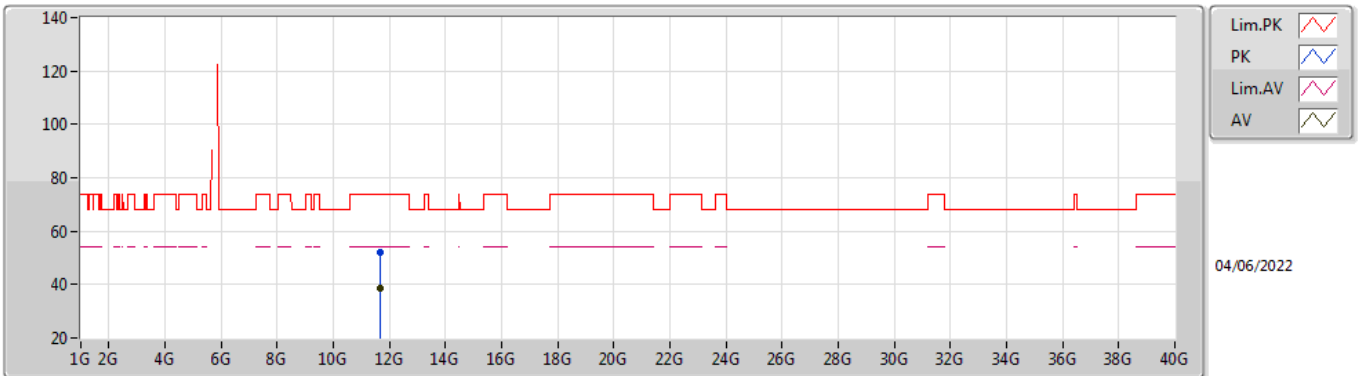


EUT_V_4TX
Setting 108
02-B-S-5-10

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	5.616G	57.71	68.20	-10.49	50.38	3	Horizontal	119	1.80	-	33.87	5.60	32.14	
PK	5.827G	115.54	Inf	-Inf	108.26	3	Horizontal	119	1.80	-	33.80	5.63	32.15	
AV	5.826G	106.20	Inf	-Inf	98.92	3	Horizontal	119	1.80	-	33.80	5.63	32.15	
PK	5.992G	58.19	68.20	-10.01	50.36	3	Horizontal	119	1.80	-	34.20	5.79	32.16	

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

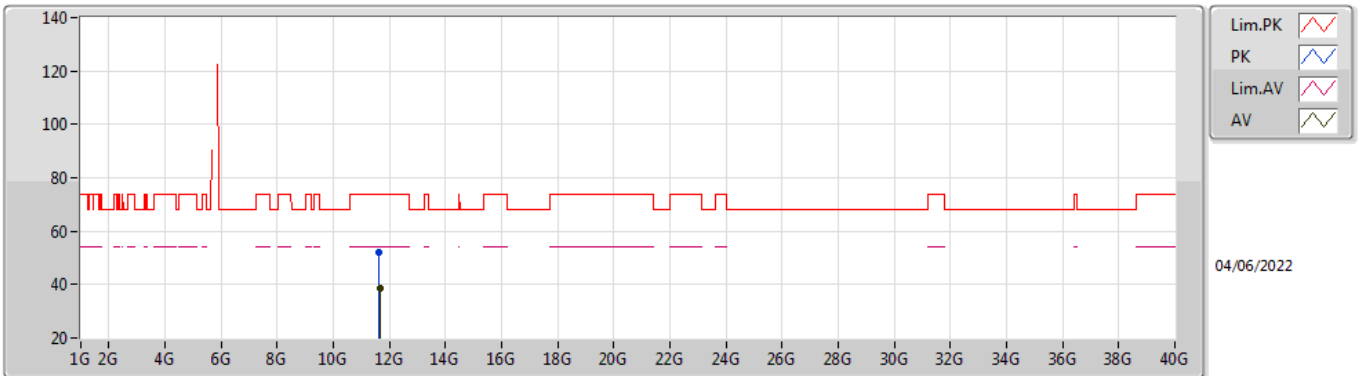


EUT Y_4TX
Setting 108
02-B-S-5

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	11.65198G	52.07	74.00	-21.93	37.97	3	Vertical	238	2.52	-	39.40	7.96	33.26
AV	11.65372G	38.74	54.00	-15.26	24.63	3	Vertical	238	2.52	-	39.41	7.96	33.26

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

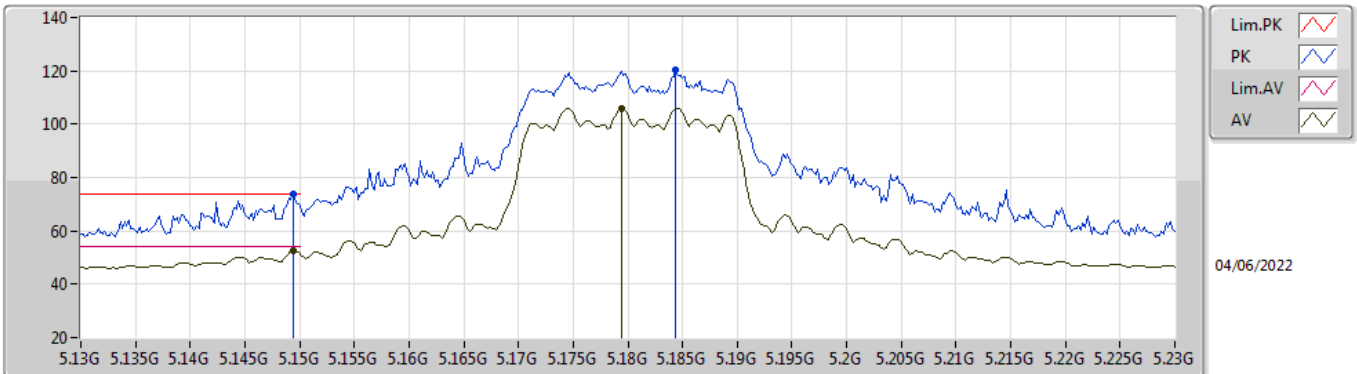


EUT Y_4TX
Setting 108
02-B-S-5

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	11.6463G	52.24	74.00	-21.76	38.15	3	Horizontal	354	2.88	-	39.39	7.96	33.26
AV	11.64906G	38.74	54.00	-15.26	24.64	3	Horizontal	354	2.88	-	39.40	7.96	33.26

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

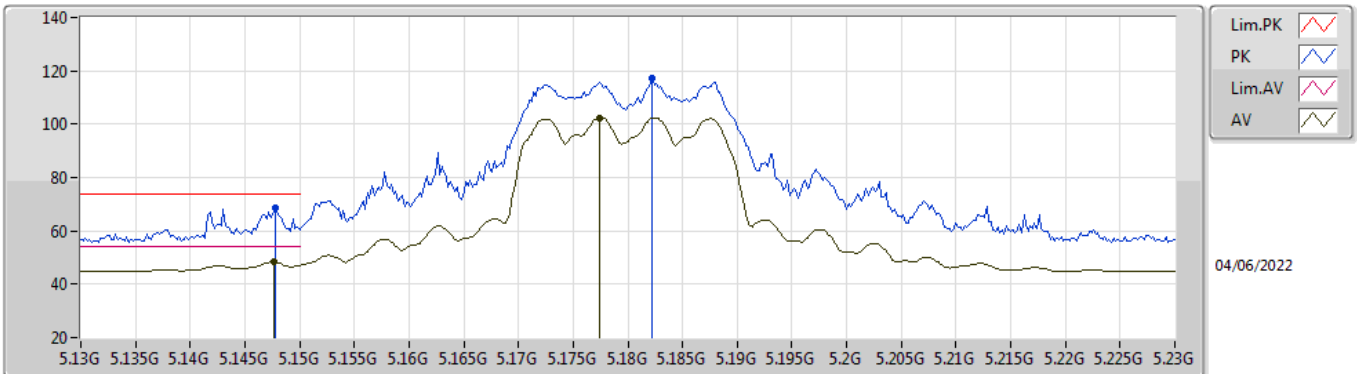


EUT Y_4TX
Setting 82
02-B-S-5-10

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	5.1494G	73.79	74.00	-0.21	67.09	3	Vertical	78	1.39	-	33.60	5.25	32.15	
AV	5.1494G	52.62	54.00	-1.38	45.92	3	Vertical	78	1.39	-	33.60	5.25	32.15	
PK	5.1844G	120.11	Inf	-Inf	113.31	3	Vertical	78	1.39	-	33.67	5.28	32.15	
AV	5.1794G	105.87	Inf	-Inf	99.08	3	Vertical	78	1.39	-	33.66	5.28	32.15	

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

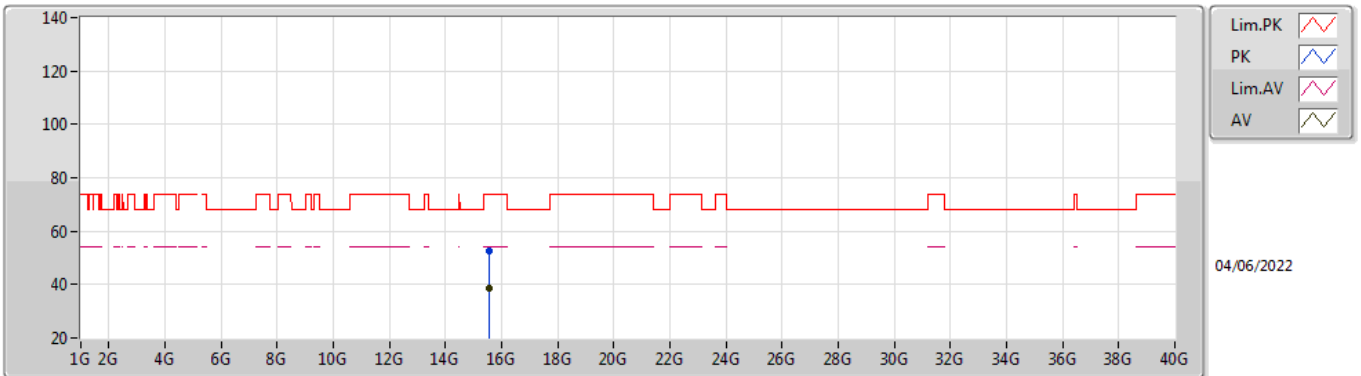


EUT Y_4TX
Setting 82
02-B-S-5-10

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	5.1478G	68.81	74.00	-5.19	62.11	3	Horizontal	71	1.88	-	33.60	5.25	32.15	
AV	5.1476G	48.35	54.00	-5.65	41.65	3	Horizontal	71	1.88	-	33.60	5.25	32.15	
PK	5.1822G	117.01	Inf	-Inf	110.22	3	Horizontal	71	1.88	-	33.66	5.28	32.15	
AV	5.1774G	102.39	Inf	-Inf	95.61	3	Horizontal	71	1.88	-	33.65	5.28	32.15	

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

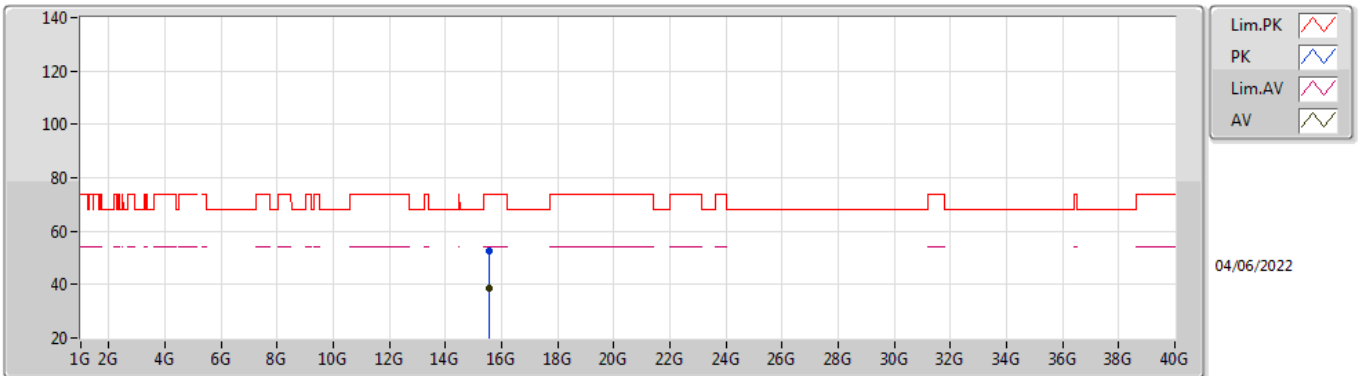


EUT Y_4TX
Setting 82
02-B-S-5

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	15.54138G	52.50	74.00	-21.50	38.06	3	Vertical	321	2.74	-	37.85	9.79	33.20
AV	15.53586G	38.65	54.00	-15.35	24.17	3	Vertical	321	2.74	-	37.88	9.79	33.19

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

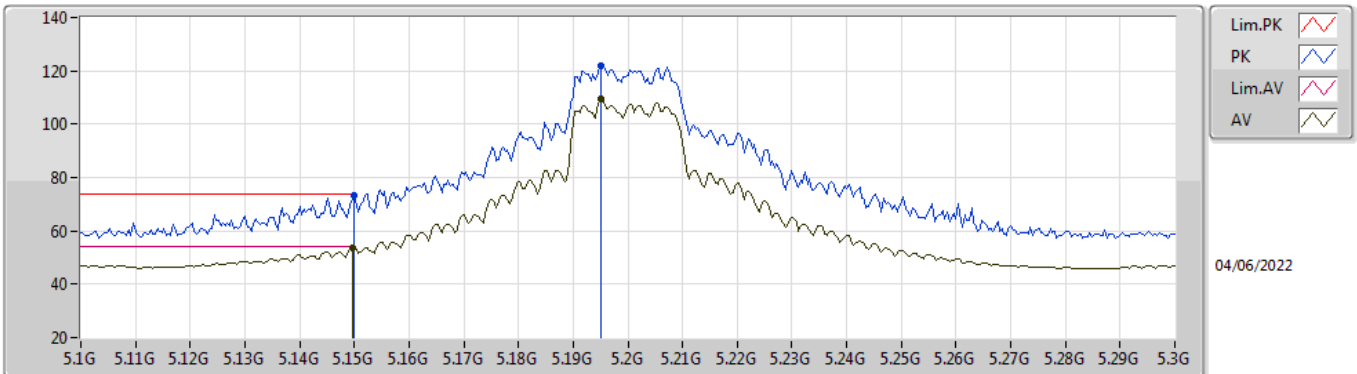


EUT Y_4TX
Setting 82
02-B-S-5

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	15.53578G	52.57	74.00	-21.43	38.08	3	Horizontal	18	1.01	-	37.89	9.79	33.19	
AV	15.5366G	38.70	54.00	-15.30	24.22	3	Horizontal	18	1.01	-	37.88	9.79	33.19	

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

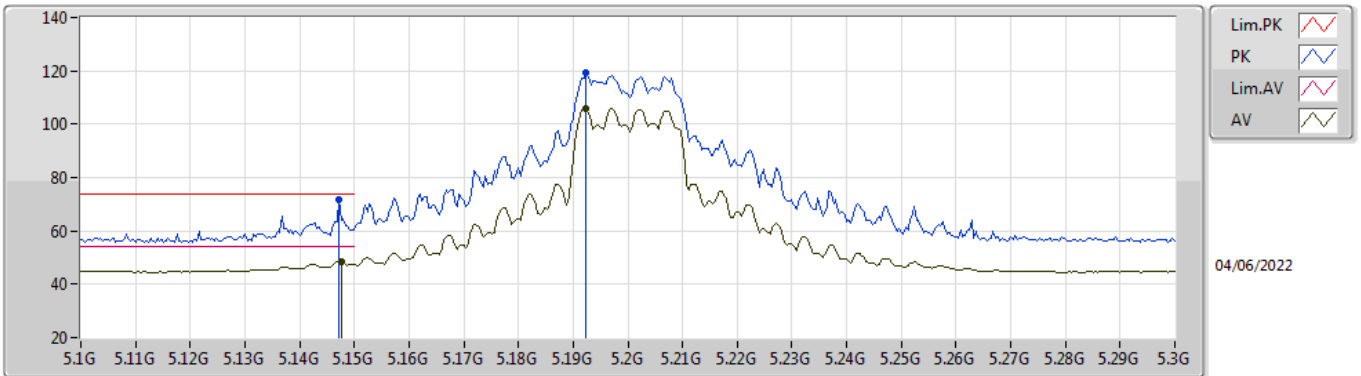


EUT Y_4TX
Setting 99
02-B-S-5-10

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	5.15G	73.04	74.00	-0.96	66.34	3	Vertical	84	1.94	-	33.60	5.25	32.15
AV	5.1496G	53.78	54.00	-0.22	47.08	3	Vertical	84	1.94	-	33.60	5.25	32.15
PK	5.1952G	121.99	Inf	-Inf	115.15	3	Vertical	84	1.94	-	33.69	5.30	32.15
AV	5.1952G	109.25	Inf	-Inf	102.41	3	Vertical	84	1.94	-	33.69	5.30	32.15

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

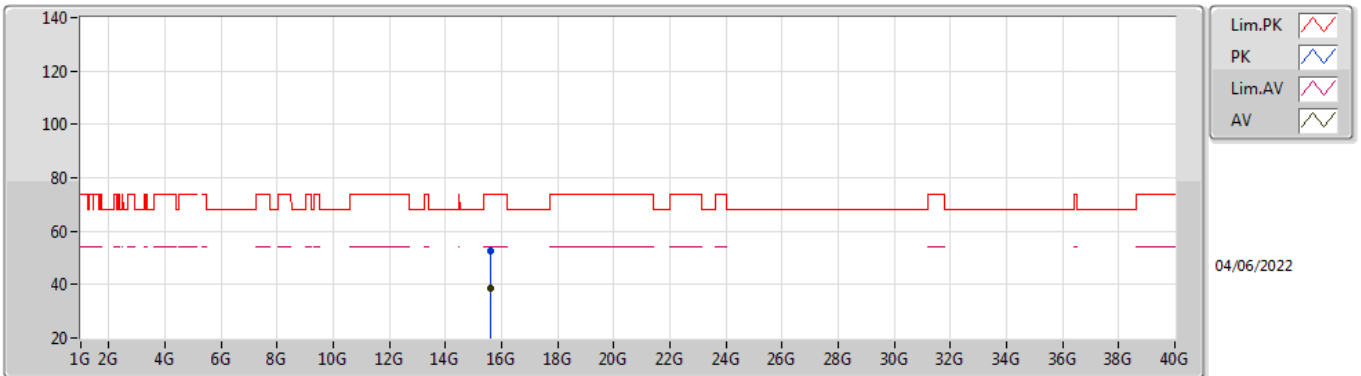


EUT Y_4TX
Setting 99
02-B-S-5-10

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	5.1472G	71.74	74.00	-2.26	65.05	3	Horizontal	70	2.53	-	33.59	5.25	32.15
AV	5.1476G	48.47	54.00	-5.53	41.77	3	Horizontal	70	2.53	-	33.60	5.25	32.15
PK	5.1924G	119.19	Inf	-Inf	112.37	3	Horizontal	70	2.53	-	33.68	5.29	32.15
AV	5.1924G	105.84	Inf	-Inf	99.02	3	Horizontal	70	2.53	-	33.68	5.29	32.15

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

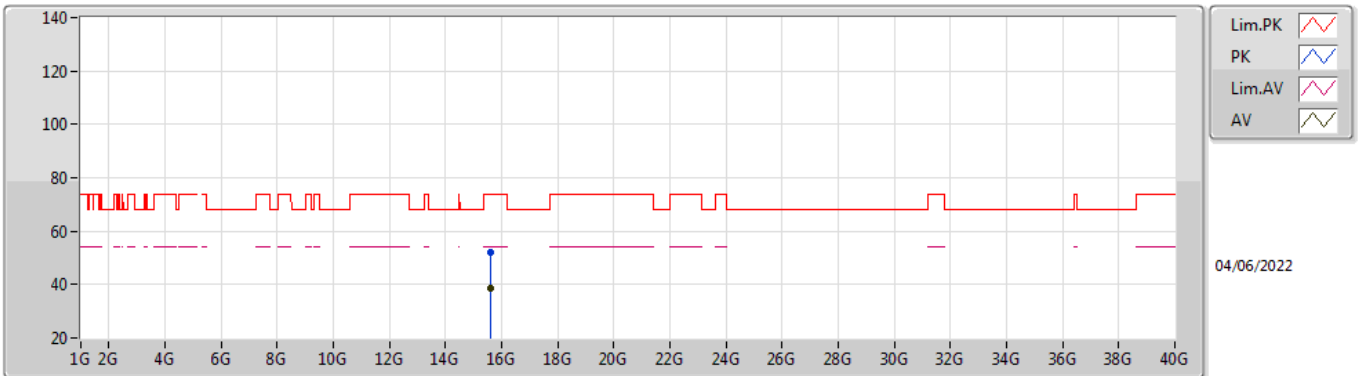


EUT Y_4TX
Setting 99
02-B-S-5

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	15.59784G	52.47	74.00	-21.53	38.41	3	Vertical	160	1.89	-	37.51	9.82	33.27
AV	15.5952G	38.47	54.00	-15.53	24.38	3	Vertical	160	1.89	-	37.53	9.82	33.26

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

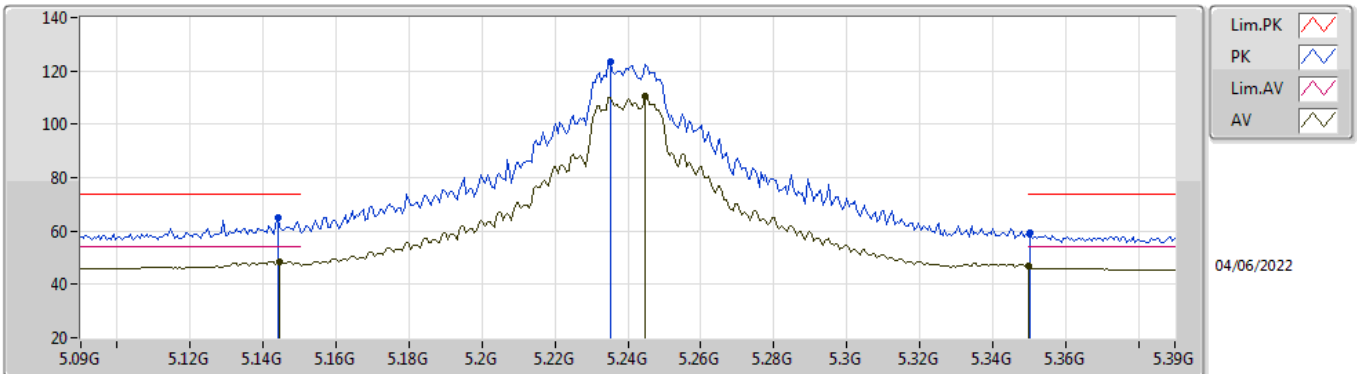


EUT Y_4TX
Setting 99
02-B-S-5

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	15.60466G	51.96	74.00	-22.04	37.91	3	Horizontal	268	1.29	-	37.50	9.82	33.27	
AV	15.59728G	38.40	54.00	-15.60	24.32	3	Horizontal	268	1.29	-	37.52	9.82	33.26	

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

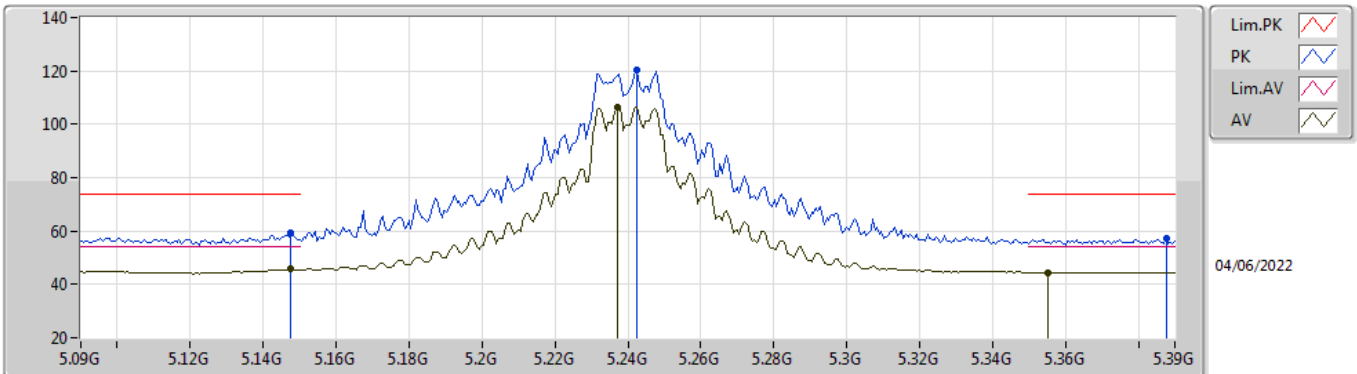


EUT V_4TX
Setting 108
02-B-S-5-10

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	5.144G	64.80	74.00	-9.20	58.12	3	Vertical	84	1.74	-	33.59	5.24	32.15
AV	5.144G	48.57	54.00	-5.43	41.89	3	Vertical	84	1.74	-	33.59	5.24	32.15
PK	5.2352G	123.49	Inf	-Inf	116.62	3	Vertical	84	1.74	-	33.70	5.32	32.15
AV	5.2448G	110.68	Inf	-Inf	103.81	3	Vertical	84	1.74	-	33.70	5.32	32.15
PK	5.3504G	59.35	74.00	-14.65	52.21	3	Vertical	84	1.74	-	33.90	5.38	32.14
AV	5.35G	46.64	54.00	-7.36	39.50	3	Vertical	84	1.74	-	33.90	5.38	32.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

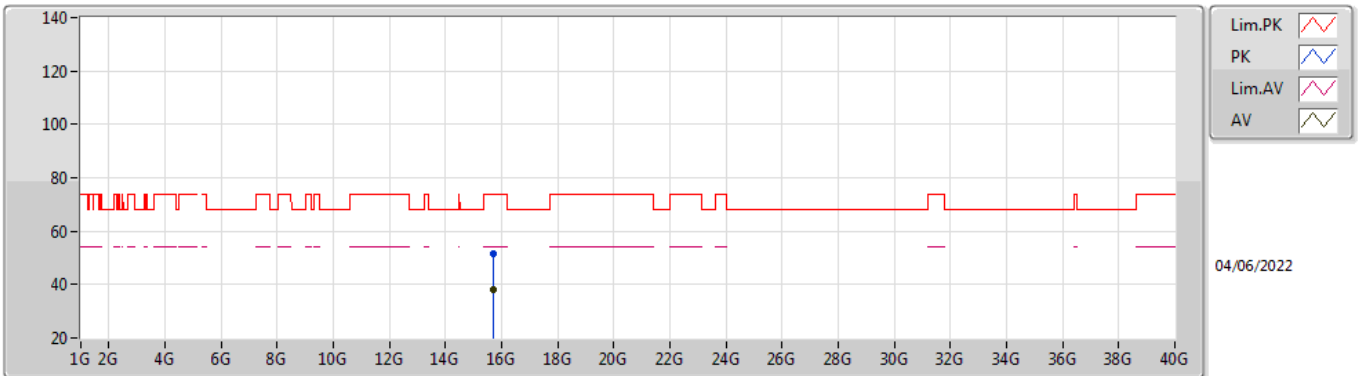


EUT V_4TX
Setting 108
02-B-S-5-10

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	5.1476G	59.20	74.00	-14.80	52.50	3	Horizontal	72	2.07	-	33.60	5.25	32.15
AV	5.1476G	45.67	54.00	-8.33	38.97	3	Horizontal	72	2.07	-	33.60	5.25	32.15
PK	5.2424G	120.49	Inf	-Inf	113.62	3	Horizontal	72	2.07	-	33.70	5.32	32.15
AV	5.237G	106.59	Inf	-Inf	99.72	3	Horizontal	72	2.07	-	33.70	5.32	32.15
PK	5.3876G	57.13	74.00	-16.87	49.90	3	Horizontal	72	2.07	-	33.98	5.39	32.14
AV	5.3552G	44.38	54.00	-9.62	37.23	3	Horizontal	72	2.07	-	33.91	5.38	32.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

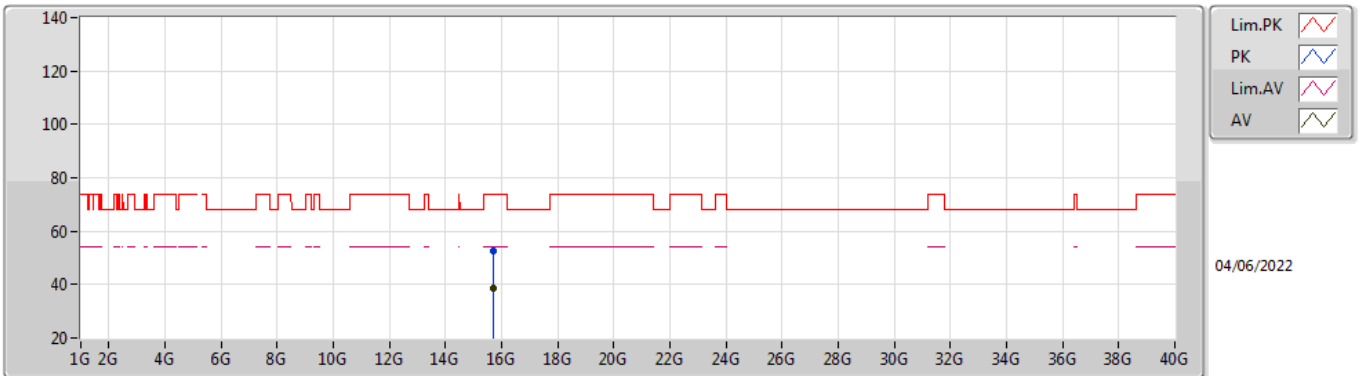


EUT Y_4TX
Setting 108
02-B-S-5

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	15.7172G	51.55	74.00	-22.45	37.59	3	Vertical	267	2.47	-	37.50	9.87	33.41
AV	15.72384G	38.33	54.00	-15.67	24.36	3	Vertical	267	2.47	-	37.50	9.88	33.41

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

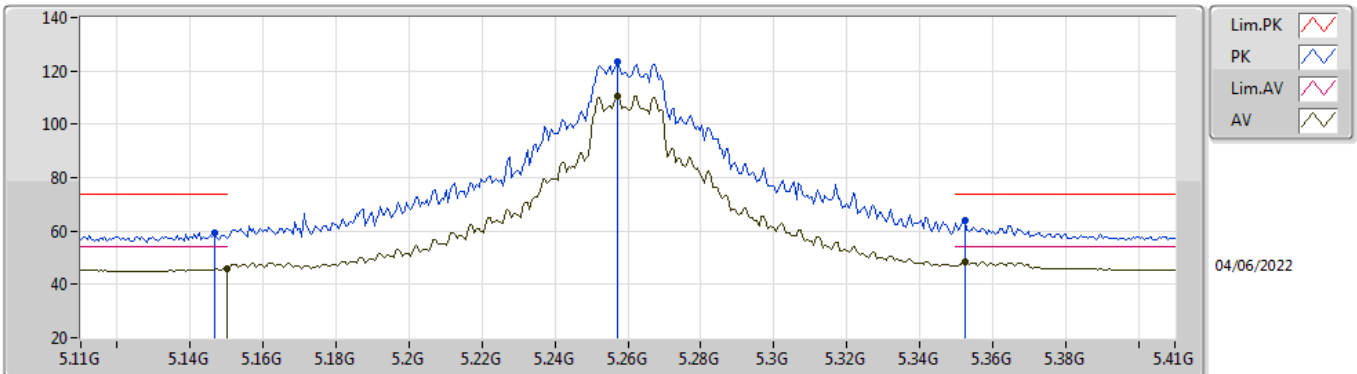


EUT Y_4TX
Setting 108
02-B-S-5

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	15.715G	52.35	74.00	-21.65	38.38	3	Horizontal	173	1.75	-	37.50	9.87	33.40	
AV	15.71632G	38.39	54.00	-15.61	24.43	3	Horizontal	173	1.75	-	37.50	9.87	33.41	

802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz_TnomVnom

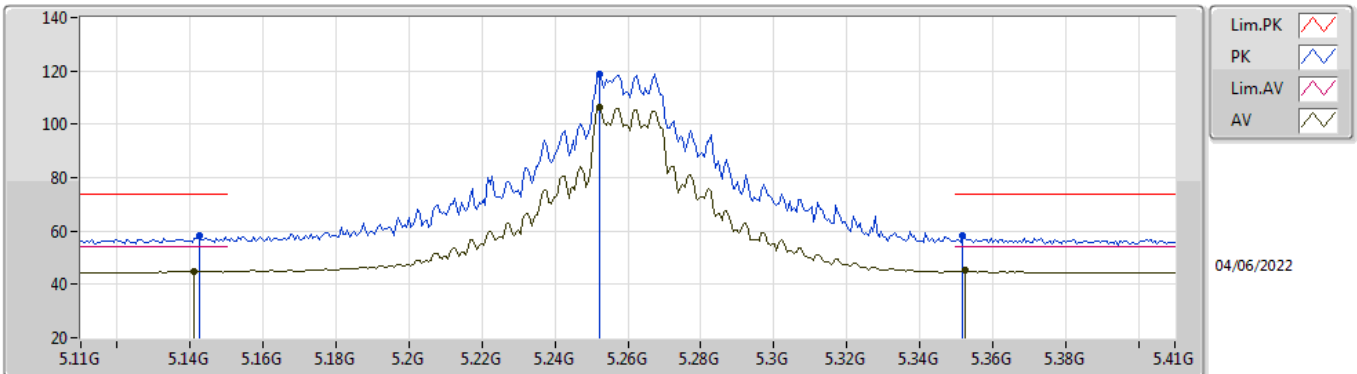


EUT Y_4TX
Setting 108
02-B-S-5-10

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	5.1466G	59.33	74.00	-14.67	52.64	3	Vertical	65	1.62	-	33.59	5.25	32.15
AV	5.15G	45.77	54.00	-8.23	39.07	3	Vertical	65	1.62	-	33.60	5.25	32.15
PK	5.257G	123.64	Inf	-Inf	116.74	3	Vertical	65	1.62	-	33.71	5.33	32.14
AV	5.257G	110.71	Inf	-Inf	103.81	3	Vertical	65	1.62	-	33.71	5.33	32.14
PK	5.3524G	63.96	74.00	-10.04	56.82	3	Vertical	65	1.62	-	33.90	5.38	32.14
AV	5.3524G	48.59	54.00	-5.41	41.45	3	Vertical	65	1.62	-	33.90	5.38	32.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz_TnomVnom

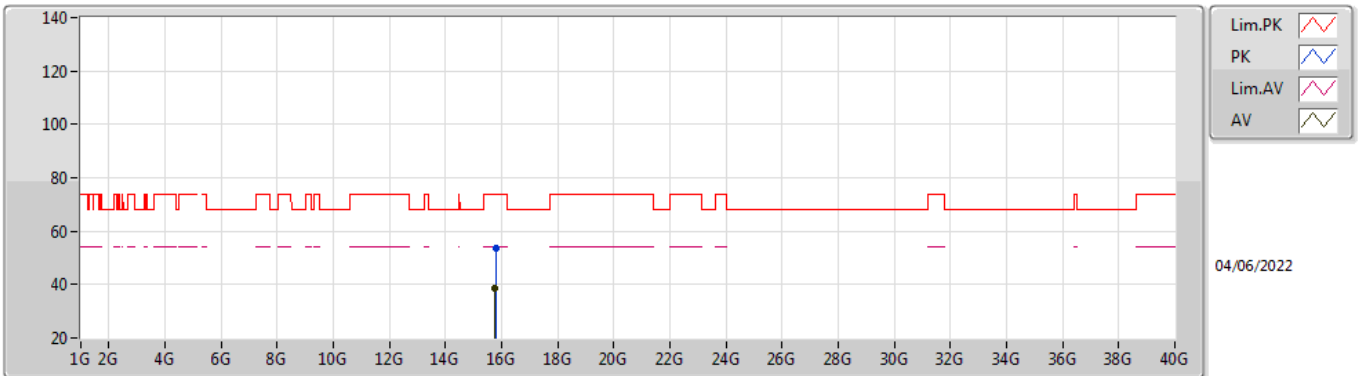


EUT V_4TX
Setting 108
02-B-S-5-10

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	5.1424G	58.14	74.00	-15.86	51.47	3	Horizontal	72	2.45	-	33.58	5.24	32.15
AV	5.1412G	44.73	54.00	-9.27	38.06	3	Horizontal	72	2.45	-	33.58	5.24	32.15
PK	5.2522G	118.96	Inf	-Inf	112.07	3	Horizontal	72	2.45	-	33.70	5.33	32.14
AV	5.2522G	106.26	Inf	-Inf	99.37	3	Horizontal	72	2.45	-	33.70	5.33	32.14
PK	5.3518G	58.23	74.00	-15.77	51.09	3	Horizontal	72	2.45	-	33.90	5.38	32.14
AV	5.3524G	45.18	54.00	-8.82	38.04	3	Horizontal	72	2.45	-	33.90	5.38	32.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz_TnomVnom

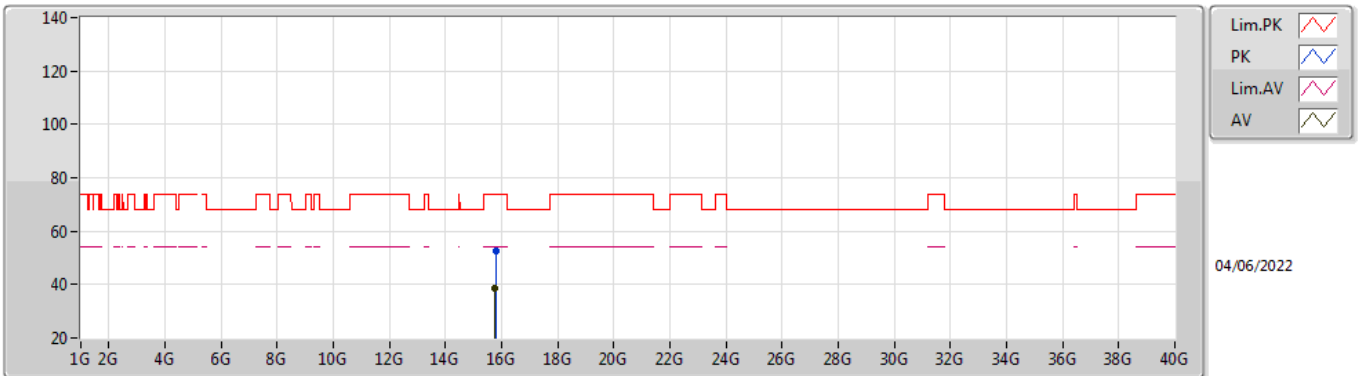


EUT Y_4TX
Setting 108
02-B-S-5

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	15.77928G	53.42	74.00	-20.58	39.50	3	Vertical	36	1.22	-	37.50	9.90	33.48	
AV	15.77516G	38.66	54.00	-15.34	24.73	3	Vertical	36	1.22	-	37.50	9.90	33.47	

802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz_TnomVnom

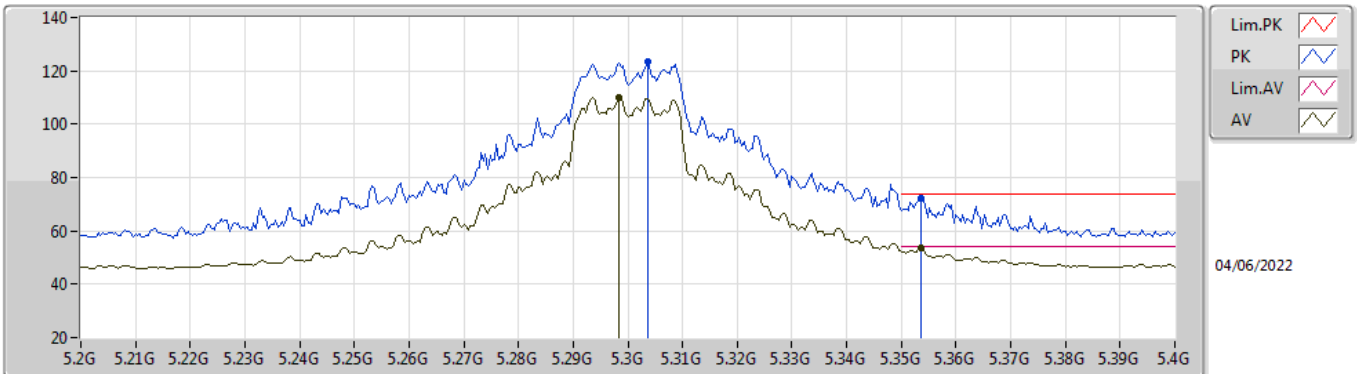


EUT Y_4TX
Setting 108
02-B-S-5

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	15.78146G	52.48	74.00	-21.52	38.56	3	Horizontal	15	2.53	-	37.50	9.90	33.48
AV	15.7773G	38.60	54.00	-15.40	24.68	3	Horizontal	15	2.53	-	37.50	9.90	33.48

802.11ax HEW20_Nss1,(MCS0)_4TX

5300MHz_TnomVnom

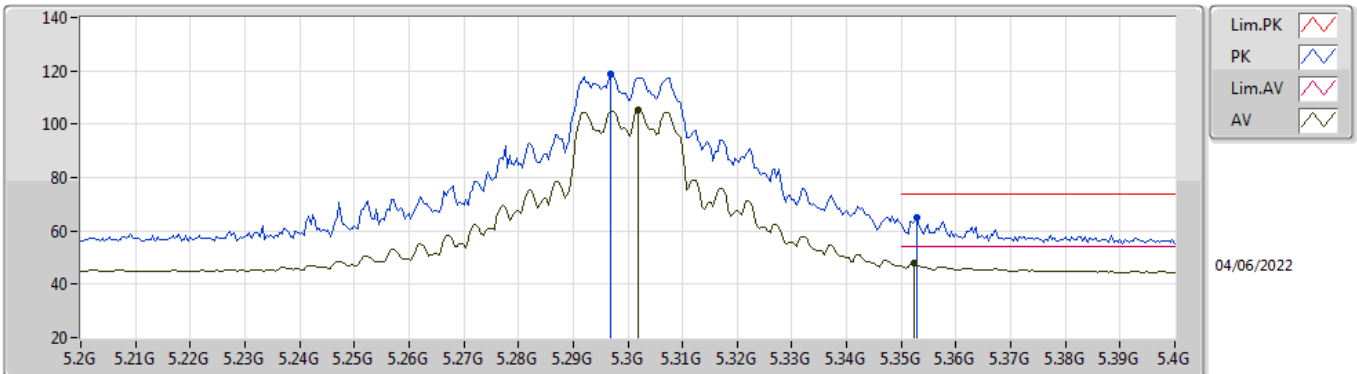


EUT Y_4TX
Setting 101
02-B-S-5-10

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	5.3036G	123.19	Inf	-Inf	116.17	3	Vertical	107	2.27	-	33.81	5.35	32.14	
AV	5.2984G	109.99	Inf	-Inf	102.98	3	Vertical	107	2.27	-	33.80	5.35	32.14	
PK	5.3536G	72.35	74.00	-1.65	65.20	3	Vertical	107	2.27	-	33.91	5.38	32.14	
AV	5.3536G	53.78	54.00	-0.22	46.63	3	Vertical	107	2.27	-	33.91	5.38	32.14	

802.11ax HEW20_Nss1,(MCS0)_4TX

5300MHz_TnomVnom

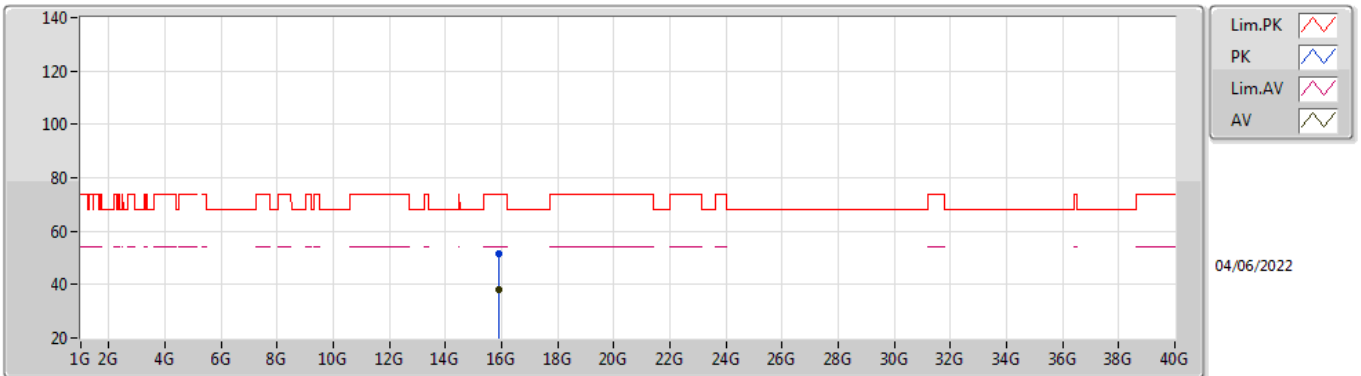


EUT Y_4TX
Setting 101
02-B-S-5-10

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	5.2968G	118.66	Inf	-Inf	111.66	3	Horizontal	71	2.53	-	33.79	5.35	32.14
AV	5.302G	105.37	Inf	-Inf	98.36	3	Horizontal	71	2.53	-	33.80	5.35	32.14
PK	5.3528G	64.86	74.00	-9.14	57.71	3	Horizontal	71	2.53	-	33.91	5.38	32.14
AV	5.3524G	47.68	54.00	-6.32	40.54	3	Horizontal	71	2.53	-	33.90	5.38	32.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5300MHz_TnomVnom

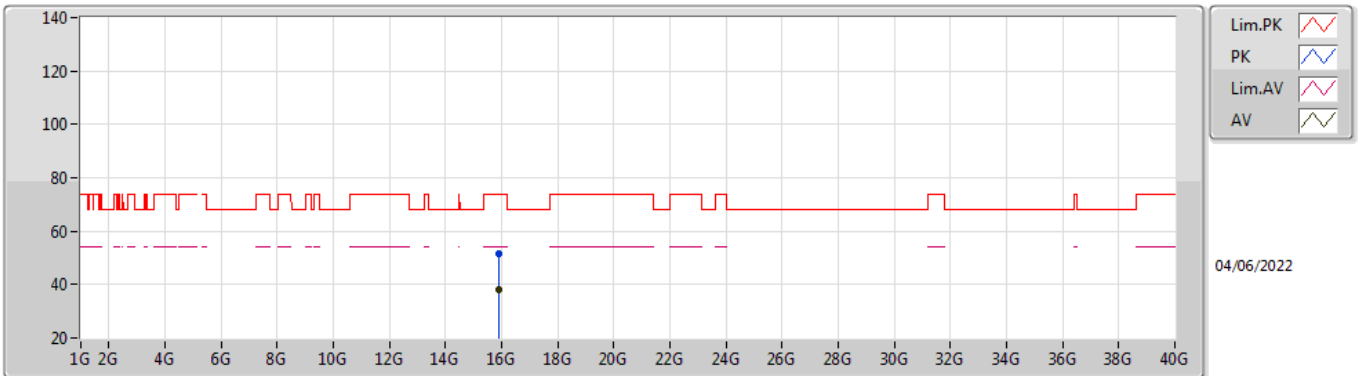


EUT Y_4TX
Setting 101
02-B-S-5

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	15.8979G	51.57	74.00	-22.43	37.94	3	Vertical	48	2.56	-	37.30	9.95	33.62	
AV	15.90486G	38.12	54.00	-15.88	24.49	3	Vertical	48	2.56	-	37.30	9.96	33.63	

802.11ax HEW20_Nss1,(MCS0)_4TX

5300MHz_TnomVnom



EUT Y_4TX
Setting 101
02-B-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	15.89882G	51.74	74.00	-22.26	38.11	3	Horizontal	39	1.30	-	37.30	9.95	33.62	
AV	15.89504G	38.10	54.00	-15.90	24.46	3	Horizontal	39	1.30	-	37.31	9.95	33.62	