



RADIO TEST REPORT

FCC ID : RAXCR1000B
Equipment : Verizon Router
Brand Name : Verizon
Model Name : CR1000B
Applicant : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan
Manufacturer : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Dec. 14, 2021, and testing was started from Dec. 14, 2021 and completed on Jun. 07, 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: Penny Kao

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		5500-5700	100-140 [11]
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		5510-5670	102-134 [5]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]
5725-5850		5775	155 [1]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]

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



Band	Mode	BWch (MHz)	Nant
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
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



Band	Mode	BWch (MHz)	Nant
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.	Port				Brand	P/N	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz		WLAN 6GHz					
		UNII1~3	DFS UNII2A~2C						
1	1	4	-	-	Arcadyan	120800098100J	PCB Antenna	I-PEX	Note1
2	2	3	-	-	Arcadyan	120800098200J	PCB Antenna	I-PEX	
3	3	2	-	-	Arcadyan	120800098300J	PCB Antenna	I-PEX	
4	4	1	-	-	Arcadyan	120800098400J	PCB Antenna	I-PEX	
5	-	-	-	1	Arcadyan	120800098700J	PCB Antenna	I-PEX	
6	-	-	-	2	Arcadyan	120800098800J	PCB Antenna	I-PEX	
7	-	-	-	3	Arcadyan	120800098500J	PCB Antenna	I-PEX	
8	-	-	-	4	Arcadyan	120800098600J	PCB Antenna	I-PEX	
9	-	-	1	-	Arcadyan	120800104000J	PCB Antenna	I-PEX	

Note1:

<Antenna Gain>

Ant.	Port				Gain (dBi)							
	WLAN 2.4GHz	WLAN 5GHz		WLAN 6GHz	WLAN 2.4GHz	WLAN 5GHz		WLAN 6GHz				
		UNII1~3	DFS UNII2A~2C			UNII1~3	DFS UNII2A~2C	UNII 5	UNII 6	UNII 7	UNII 8	
1	1	4	-	-	1.8	2.6	-	-	-	-	-	
2	2	3	-	-	3.2	2.3	-	-	-	-	-	
3	3	2	-	-	2.8	3.5	-	-	-	-	-	
4	4	1	-	-	3.8	2.5	-	-	-	-	-	
5	-	-	-	1	-	-	-	4.18	3.86	2.19	3.24	
6	-	-	-	2	-	-	-	4.96	4.19	3.17	3.19	
7	-	-	-	3	-	-	-	3.47	3.24	3.40	3.06	
8	-	-	-	4	-	-	-	4.13	3.66	2.47	2.73	
9	-	-	1	-	-	-	3.8	-	-	-	-	

<For WLAN 6GHz Directional Gain>

Directional Gain (dBi)				
Item	WLAN 6GHz UNII 5	WLAN 6GHz UNII 6	WLAN 6GHz UNII 7	WLAN 6GHz UNII 8
4T1S	5.46	5.09	5.36	4.97

Note2: The above information (excepting WLAN 6GHz antenna gain) was declared by manufacturer.

Note3: WLAN 6GHz directional gain is measured which follows the procedure of KDB 662911 D03.

The antenna report is provided in the operational description for this application.

Note4: The antenna 9 which has the receiving function only is used for zero wait or interference detection.

Note5: The EUT has nine antennas.

<WLAN 2.4GHz function>

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

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

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

<WLAN 5GHz function>

UNII1~3

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

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

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

UNII 2A~2C DFS Band

Only Port 1 can receive

<WLAN 6GHz function>
For IEEE 802.11ax mode (4TX/4RX)

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

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

Note6:
<For WLAN 2.4GHz and WLAN 5GHz Directional Gain>

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where ;

G1 = Ant 1 Gain ; G2 = Ant 2 Gain ; G3 = Ant 3 Gain ; G4 = Ant 4 Gain ;

2.4GHz DG = 8.95 dBi

5 GHz U-NII-1 DG = 8.76 dBi

5 GHz U-NII-2A DG = 8.76 dBi

5 GHz U-NII-2C DG = 8.76 dBi

5 GHz U-NII-3 DG = 8.76 dBi



1.1.3 Mode Test Duty Cycle

Non-beamforming mode

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW20	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW80	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW160	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

Beamforming mode

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40-BF	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW80-BF	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW160-BF	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for ax in 2.4GHz, 11n/ac/ax in 5GHz and ax in 6GHz.			
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	DUT GUI V610.59 / DOS V10.0.19043.1320 / Intel GUI(version 610.59)			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT Information

External Type of EUT	Color of tick	Position of tick	Remark
1	Gray	In the middle of the case	The internal of the EUT is identical.
2	Red	The lower right of the case	

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

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu (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	19.6~20.5 / 61~65	Feb. 25, 2022~ May 21, 2022
Radiated (CTX Below 1GHz and Co-location test)	03CH03-CB	Kevin Huang	23.5-24.6 / 55-59	Dec. 14, 2021~ Mar. 14, 2022
Radiated (CTX Above 1GHz test)	03CH06-CB	Kevin Huang	24.5-25.6 / 56-59	Dec. 14, 2021~ Mar. 14, 2022
	03CH03-CB		23.5-24.6 / 55-59	
AC Conduction	CO01-CB	Ryan Huang	20~22 / 56~58	Jun. 07, 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)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Non-beamforming mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	21
5200MHz	21.5
5240MHz	21.5
5260MHz	15
5300MHz	15
5320MHz	15
5500MHz	15
5580MHz	15.5
5700MHz	12
5745MHz	25
5785MHz	25
5825MHz	25
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	20
5200MHz	21.5
5240MHz	21.5
5260MHz	15.5
5300MHz	15.5
5320MHz	15.5
5500MHz	15
5580MHz	15
5700MHz	15.5
5745MHz	24.5
5785MHz	24.5
5825MHz	24.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	16
5230MHz	22
5270MHz	17.5
5310MHz	17.5
5510MHz	17
5550MHz	17.5
5670MHz	17.5
5755MHz	24



Mode	Power Setting
5795MHz	24.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	15
5290MHz	17.5
5530MHz	17.5
5610MHz	18
5775MHz	20.5
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	15
5250MHz Straddle 5.25-5.35GHz	15
5570MHz	17.5

Beamforming mode

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	52
5200MHz	52
5240MHz	52
5260MHz	40
5300MHz	40
5320MHz	40
5500MHz	39
5580MHz	40
5700MHz	41
5720MHz Straddle 5.47-5.725GHz	
5720MHz Straddle 5.725-5.85GHz	
5745MHz	52
5785MHz	53
5825MHz	52
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	44
5230MHz	52
5270MHz	39
5310MHz	40
5510MHz	39
5550MHz	39
5670MHz	40
5710MHz Straddle 5.47-5.725GHz	
5710MHz Straddle 5.725-5.85GHz	
5755MHz	51



Mode	Power Setting
5795MHz	51
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	45
5290MHz	40
5530MHz	39
5610MHz	40
5690MHz Straddle 5.47-5.725GHz	
5690MHz Straddle 5.725-5.85GHz	
5775MHz	51
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	45
5250MHz Straddle 5.25-5.35GHz	45
5570MHz	39

Note:

- ♦ 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	Normal Link
1	EUT_WLAN 2.4GHz + Adapter
2	EUT_WLAN 5GHz + Adapter
3	EUT_WLAN 6GHz + Adapter
For operating mode 1 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 Unwanted Emissions
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
	The EUT was performed at X axis, Y axis and Z axis position for Radiated measurement above 1GHz test, and the worst case was found at X axis for WLAN 2.4GHz & WLAN 5GHz tests and Y axis for WLAN 6GHz test. So the measurement will follow this same test configuration.
	1 EUT in X axis_ WLAN 2.4GHz
	2 EUT in X axis_ WLAN 5GHz
	3 EUT in Y axis_ WLAN 6GHz
For operating mode 3 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. The worst case as below:
1	EUT in X axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
	The EUT was performed at X axis, Y axis and Z axis position for Radiated measurement above 1GHz test, and the worst case was found at X axis for WLAN 2.4GHz and WLAN 5GHz tests. So the measurement will follow this same test configuration.
Operating Mode	Normal Link
1	EUT in X axis_WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz
Refer to Sporton Test Report No.: FA1D1668 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

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

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS [ver 10.0.19043.1320].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN module and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories				
No.	Equipment Name	Brand Name	Model Name	Rating
1	Adapter	LUCENT TRANS	1A98-1250-02	INPUT: 100-120V~1.6A, 50-60Hz OUTPUT: 12.0V, 5.0A, 60.0W
Others				
RJ-45 cable*1: Non-shielded, 2m				

2.5 Support Equipment

For AC Conduction:

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

For Radiated (below 1GHz):

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

Non-beamforming mode

For Radiated (above 1GHz) and RF Conducted:

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

Beamforming mode

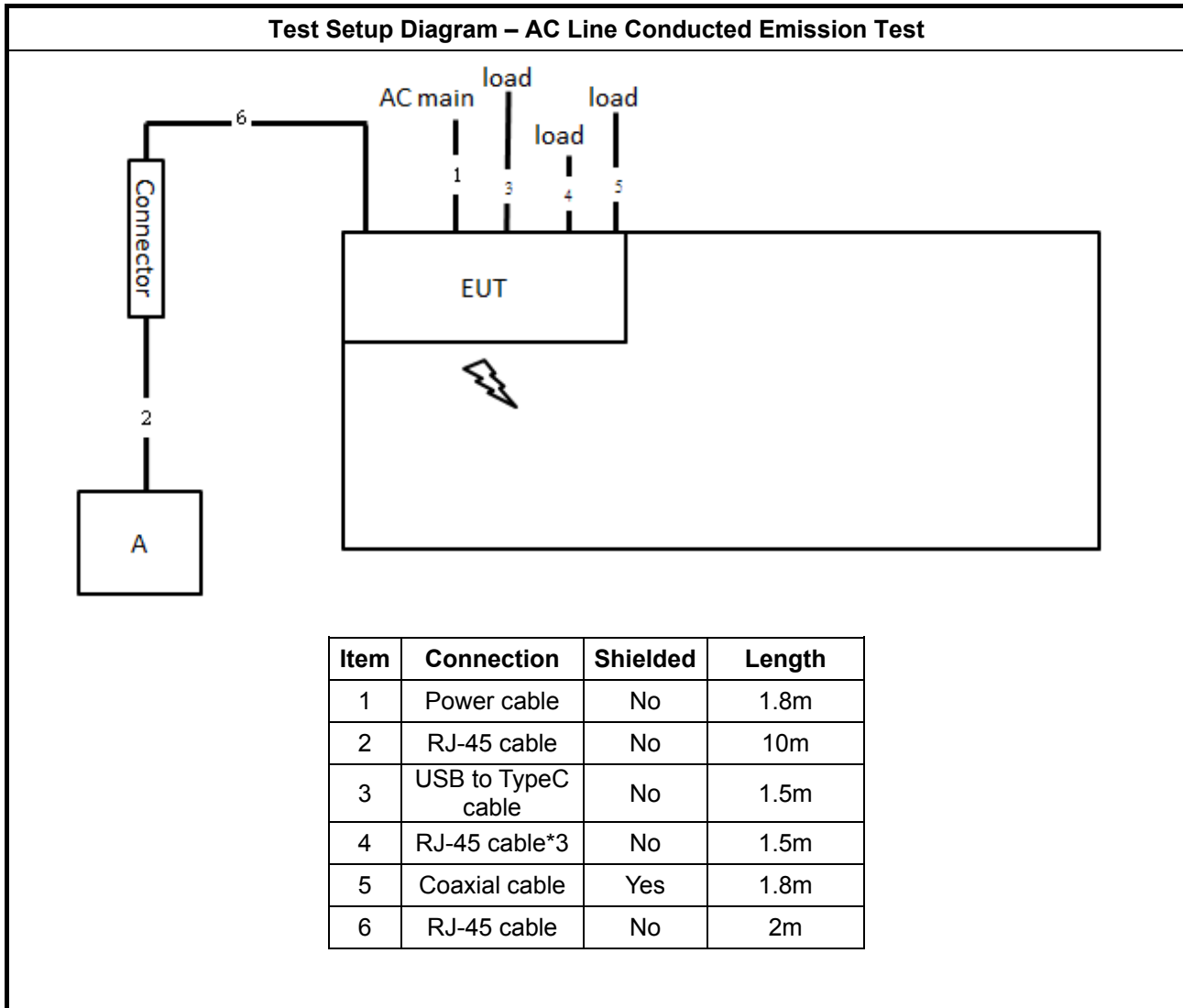
For Radiated (above 1GHz)

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	WLAN module	Intel	AX210NGW	PD9AX210NG
C	Notebook	DELL	E4300	N/A

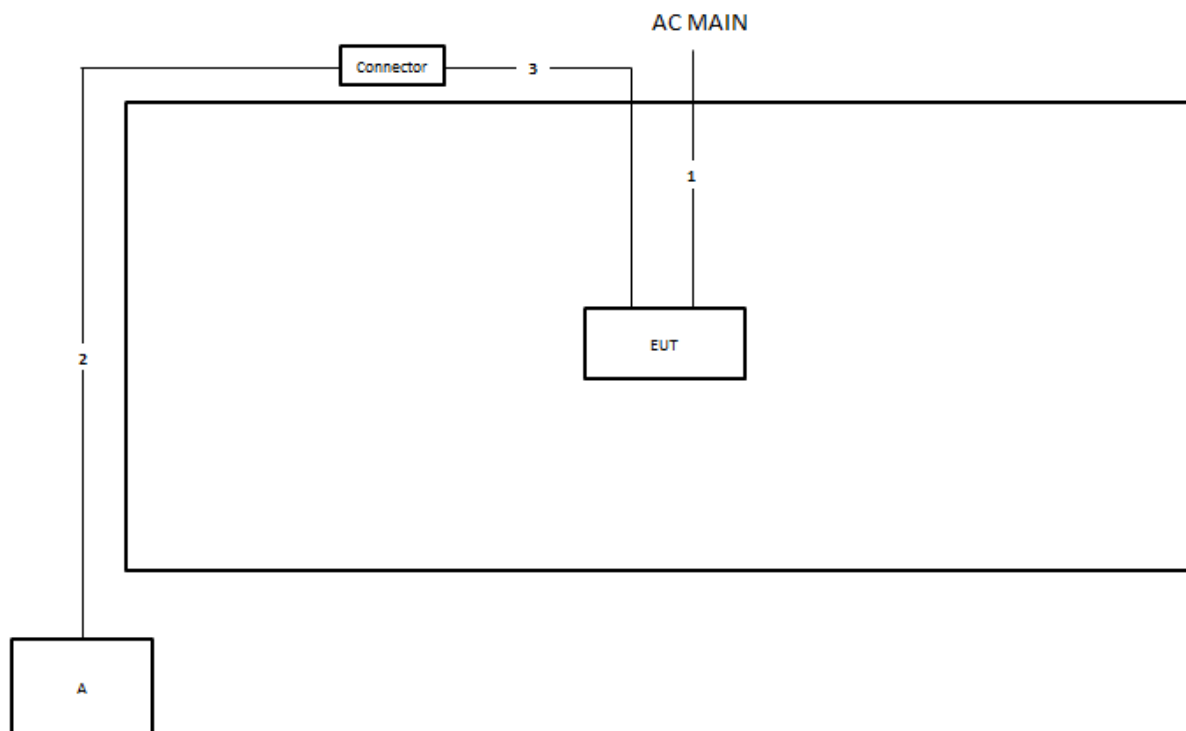
For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	Lenovo	L440	N/A
C	WLAN module	Intel	AX210NGW	PD9AX210NG

2.6 Test Setup Diagram

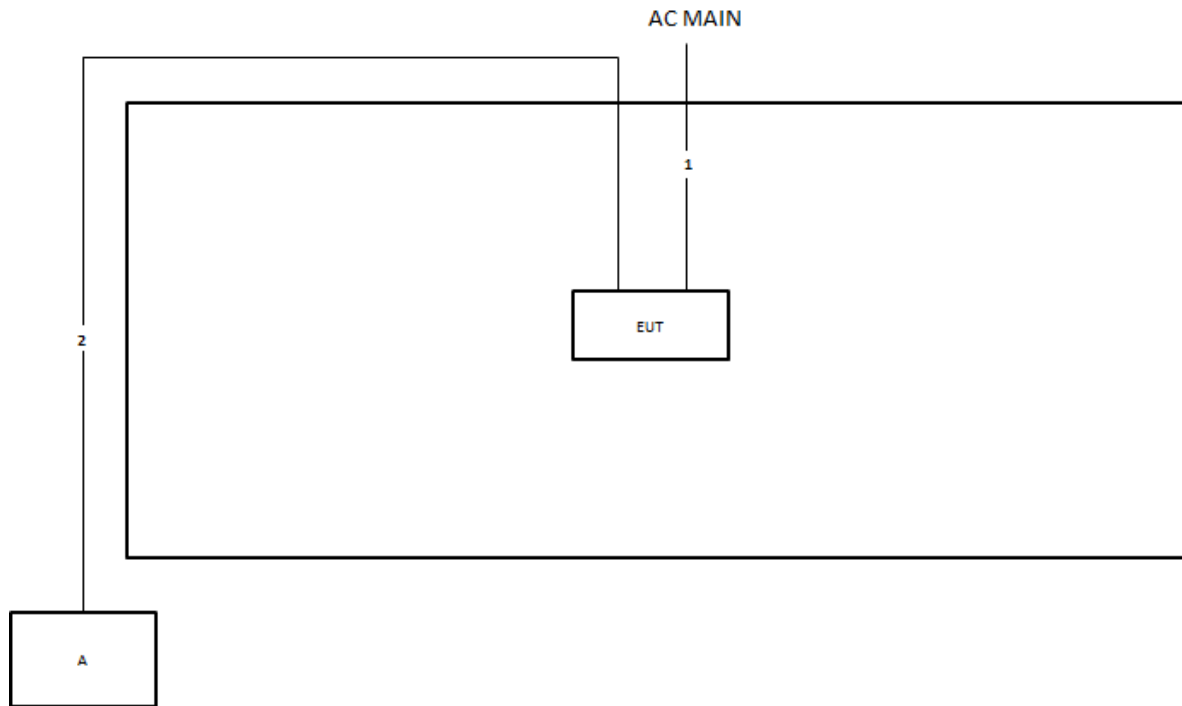


Test Setup Diagram - Radiated Test < 1GHz



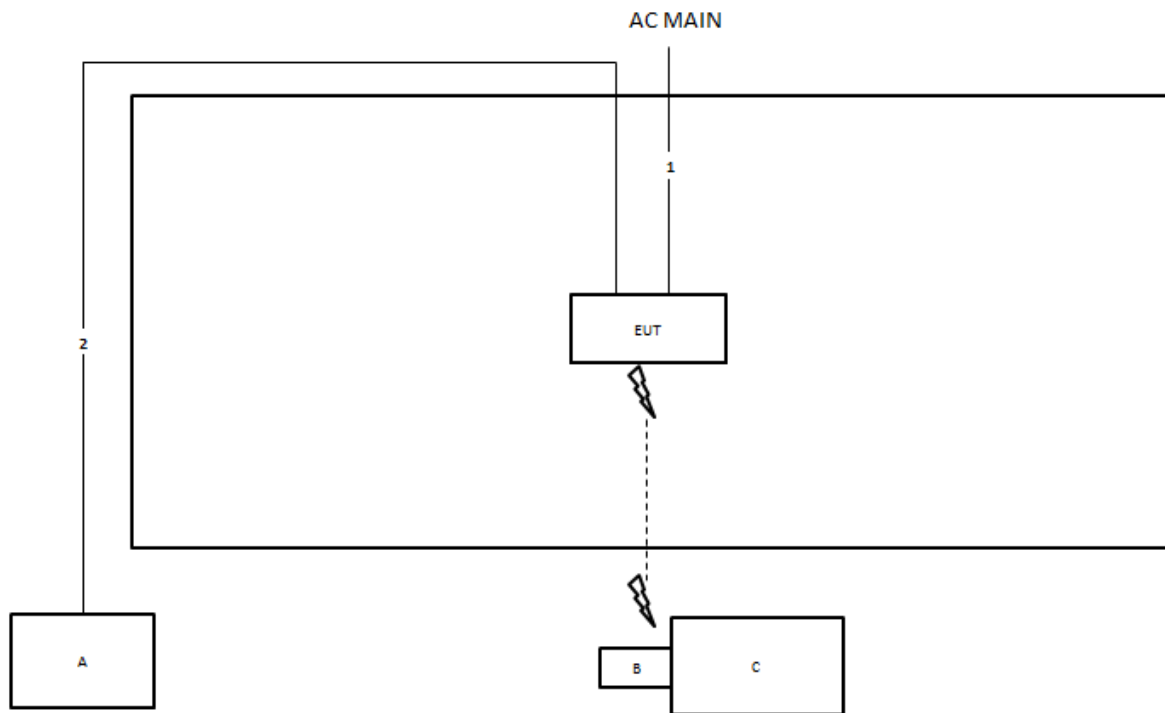
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	2m

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



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

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



Item	Connection	Shielded	Length
1	Power cable	No	1.8m
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.

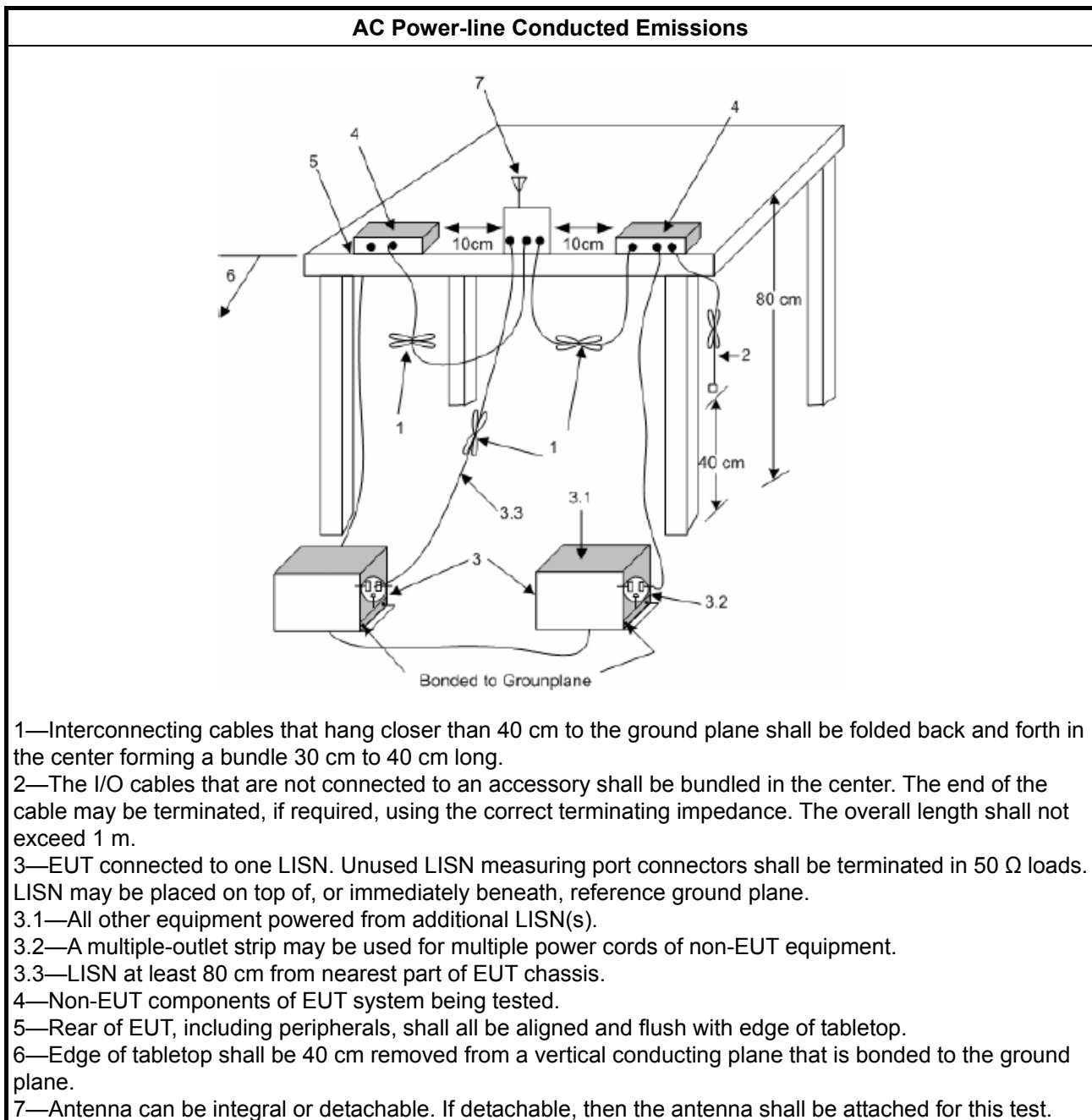
3.1.2 Measuring Instruments

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 $\geq 500\text{kHz}$.

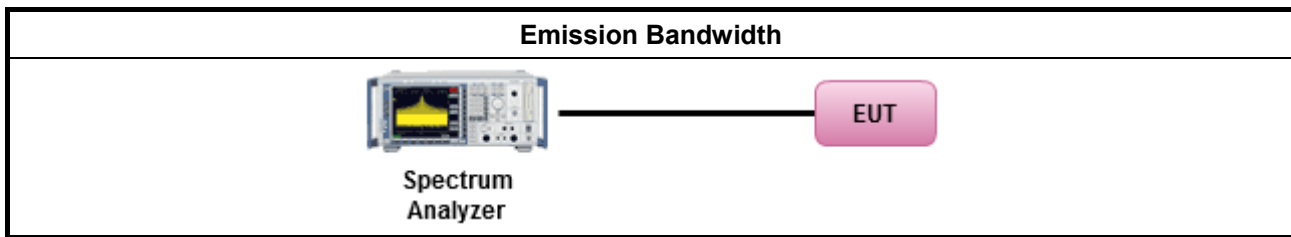
3.2.2 Measuring Instruments

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

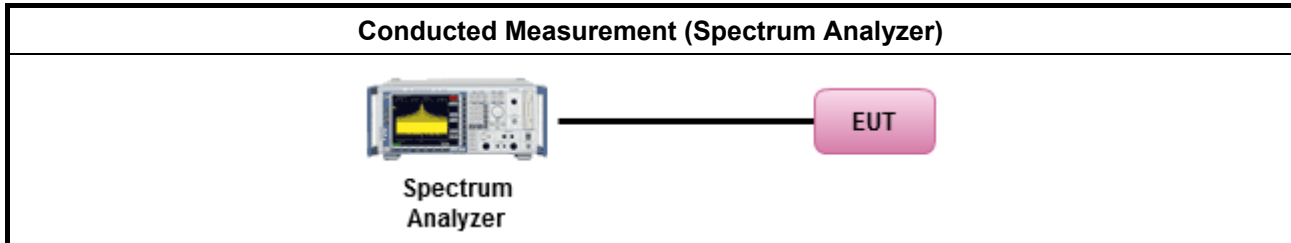
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

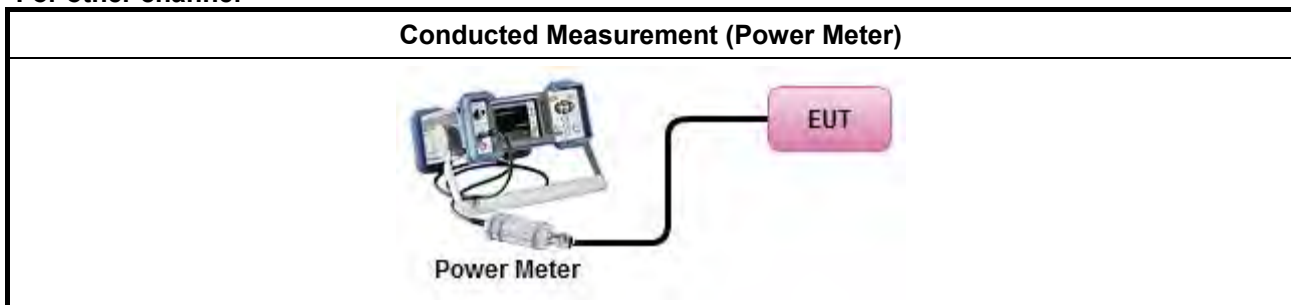
Test Method	
	Average over on/off periods with duty factor
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty 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: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$
☐	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

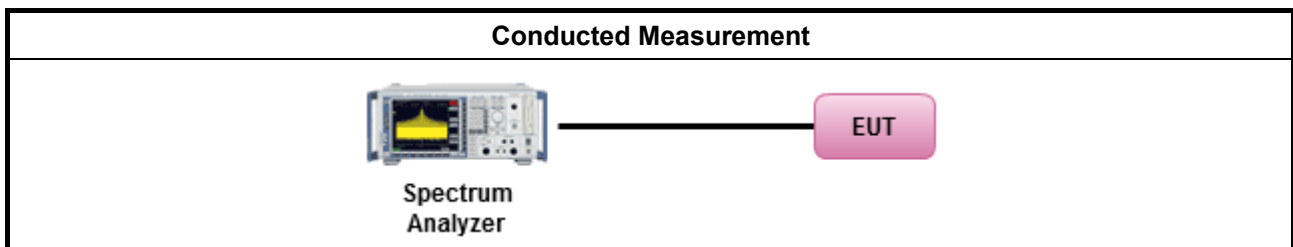
Refer a test equipment and calibration data table in this test report.

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).	

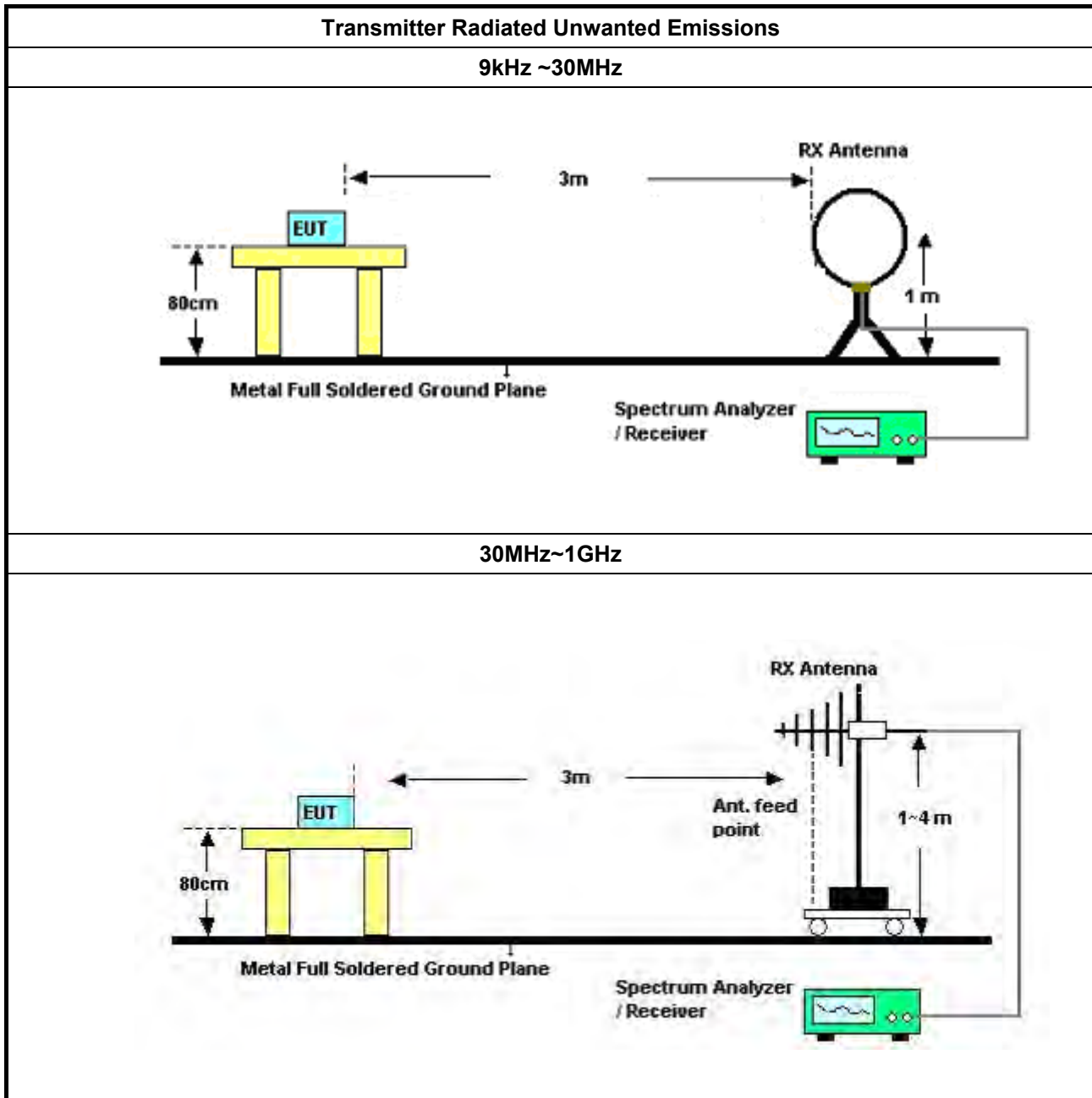
3.5.2 Measuring Instruments

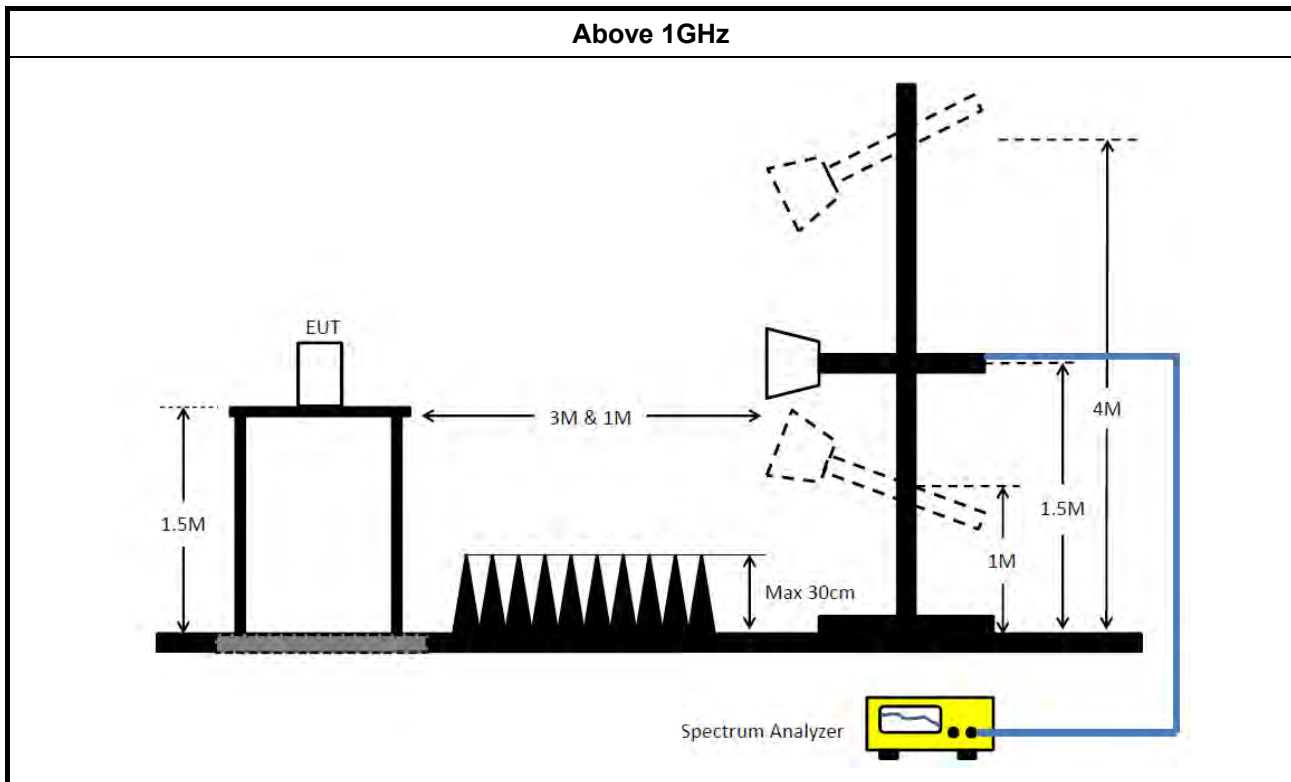
Refer a test equipment and calibration data table in this test report.

**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)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 27, 2021	Jan. 26, 2022	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 26, 2022	Jan. 25, 2023	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 06, 2021	May 05, 2022	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 22, 2021	Feb. 21, 2022	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 21, 2022	Feb. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 26, 2021	Jan. 25, 2022	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 21, 2022	Jan. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 11, 2021	Jan. 10, 2022	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 10, 2022	Jan. 09, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 04, 2021	Jun. 03, 2022	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 01, 2021	Sep. 30, 2022	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 04, 2021	Aug. 03, 2022	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 06, 2021	May 05, 2022	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 26, 2022	Apr. 25, 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)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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.

NCR means Non-Calibration required.



Conducted Emissions at Powerline

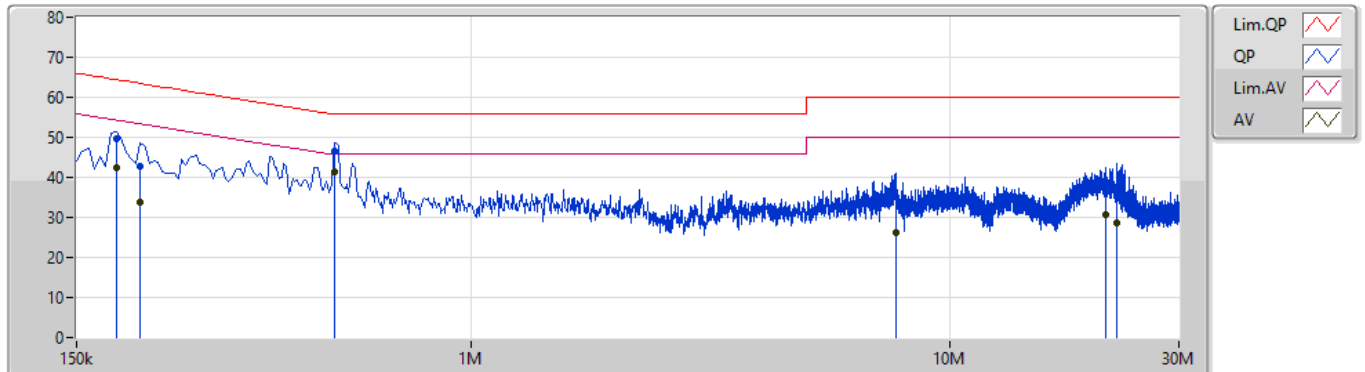
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	568.5k	41.98	46.00	-4.02	Neutral

Mode 1

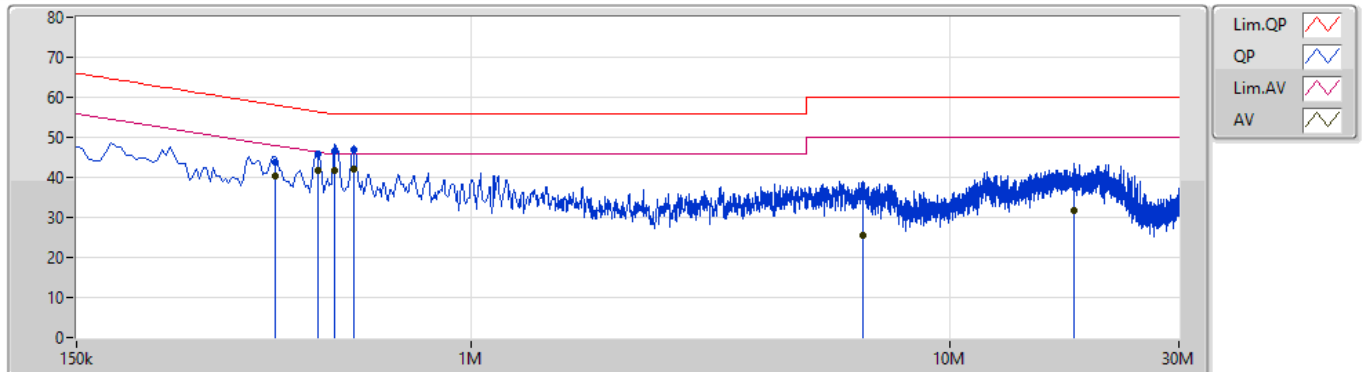
07/06/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	181.5k	49.82	64.41	-14.59	9.99	Line	-	39.83	0.06	0.04	9.89			
AV	181.5k	42.32	54.41	-12.09	9.99	Line	-	32.33	0.06	0.04	9.89			
QP	204k	42.75	63.44	-20.69	9.99	Line	-	32.76	0.06	0.04	9.89			
AV	204k	33.81	53.44	-19.63	9.99	Line	-	23.82	0.06	0.04	9.89			
QP	519k	46.54	56.00	-9.46	10.00	Line	-	36.54	0.06	0.05	9.89			
AV	519k	41.34	46.00	-4.66	10.00	Line	"Worst"	31.34	0.06	0.05	9.89			
QP	7.683M	35.26	60.00	-24.74	10.23	Line	-	25.03	0.19	0.14	9.90			
AV	7.683M	26.20	50.00	-23.80	10.23	Line	-	15.97	0.19	0.14	9.90			
QP	21.062M	37.65	60.00	-22.35	10.50	Line	-	27.15	0.31	0.23	9.96			
AV	21.062M	30.53	50.00	-19.47	10.50	Line	-	20.03	0.31	0.23	9.96			
QP	22.281M	36.19	60.00	-23.81	10.54	Line	-	25.65	0.33	0.25	9.96			
AV	22.281M	28.75	50.00	-21.25	10.54	Line	-	18.21	0.33	0.25	9.96			

Mode 1

07/06/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	388.5k	43.88	58.10	-14.22	10.02	Neutral	-	33.86	0.07	0.06	9.89			
AV	388.5k	40.42	48.10	-7.68	10.02	Neutral	-	30.40	0.07	0.06	9.89			
QP	478.5k	45.84	56.36	-10.52	10.02	Neutral	-	35.82	0.07	0.06	9.89			
AV	478.5k	41.66	46.36	-4.70	10.02	Neutral	-	31.64	0.07	0.06	9.89			
QP	519k	46.66	56.00	-9.34	10.01	Neutral	-	36.65	0.07	0.05	9.89			
AV	519k	41.63	46.00	-4.37	10.01	Neutral	-	31.62	0.07	0.05	9.89			
QP	568.5k	46.76	56.00	-9.24	10.01	Neutral	-	36.75	0.07	0.05	9.89			
AV	568.5k	41.98	46.00	-4.02	10.01	Neutral	"Worst"	31.97	0.07	0.05	9.89			
QP	6.554M	35.30	60.00	-24.70	10.22	Neutral	-	25.08	0.19	0.13	9.90			
AV	6.554M	25.42	50.00	-24.58	10.22	Neutral	-	15.20	0.19	0.13	9.90			
QP	18.078M	38.43	60.00	-21.57	10.44	Neutral	-	27.99	0.29	0.20	9.95			
AV	18.078M	31.85	50.00	-18.15	10.44	Neutral	-	21.41	0.29	0.20	9.95			

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	27.72M	17.631M	17M6D1D	24.87M	17.121M
802.11ax HEW20_Nss1,(MCS0)_4TX	24.3M	19.37M	19M4D1D	21.54M	19.01M
802.11ax HEW40_Nss1,(MCS0)_4TX	43.38M	38.741M	38M7D1D	40.02M	38.141M
802.11ax HEW80_Nss1,(MCS0)_4TX	86.76M	78.561M	78M6D1D	85.68M	78.201M
802.11ax HEW160_Nss1,(MCS0)_4TX	85.68M	79.48M	79M5D1D	84.88M	79M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	27.42M	17.751M	17M8D1D	24.45M	17.151M
802.11ax HEW20_Nss1,(MCS0)_4TX	23.76M	19.43M	19M4D1D	20.1M	18.891M
802.11ax HEW40_Nss1,(MCS0)_4TX	43.68M	38.681M	38M7D1D	41.46M	38.141M
802.11ax HEW80_Nss1,(MCS0)_4TX	85.44M	78.441M	78M4D1D	82.32M	77.601M
802.11ax HEW160_Nss1,(MCS0)_4TX	84.16M	78.521M	78M5D1D	82.4M	78.201M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	26.61M	17.661M	17M7D1D	25.02M	17.211M
802.11ax HEW20_Nss1,(MCS0)_4TX	25.02M	19.43M	19M4D1D	21.39M	19.01M
802.11ax HEW40_Nss1,(MCS0)_4TX	44.16M	38.381M	38M4D1D	40.26M	38.021M
802.11ax HEW80_Nss1,(MCS0)_4TX	84.72M	78.441M	78M4D1D	82.2M	77.601M
802.11ax HEW160_Nss1,(MCS0)_4TX	167.76M	157.361M	157MD1D	166.32M	156.882M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.59M	26.447M	26M4D1D	16.38M	17.751M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.14M	23.388M	23M4D1D	18.96M	19.31M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.22M	45.457M	45M5D1D	37.86M	38.381M
802.11ax HEW80_Nss1,(MCS0)_4TX	78.12M	78.321M	78M3D1D	77.76M	77.961M

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

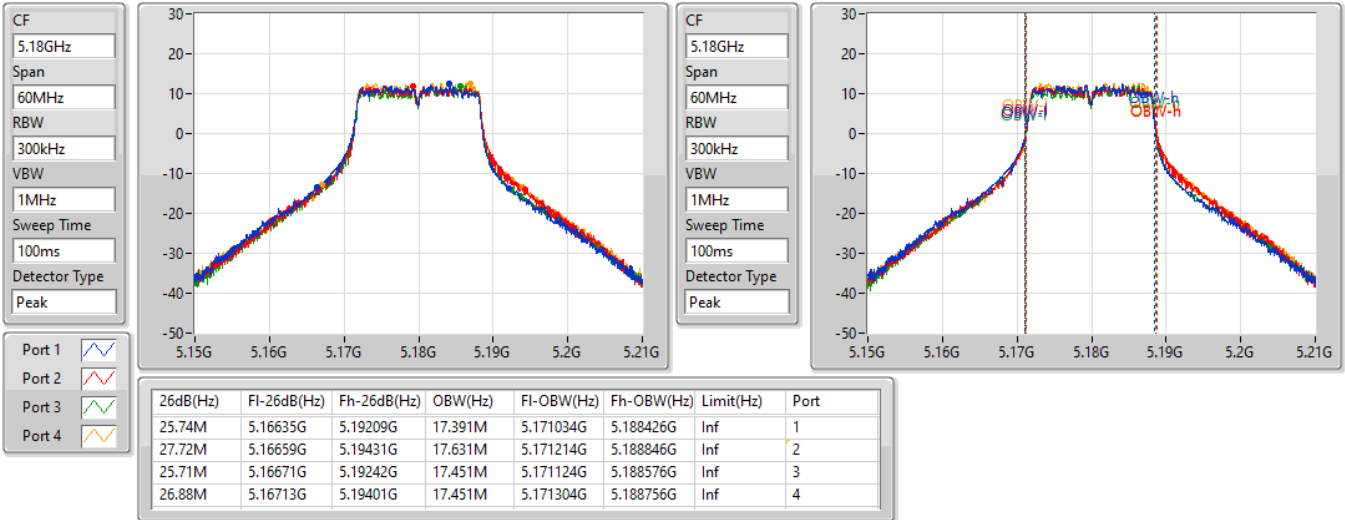
Result

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	25.74M	17.391M	27.72M	17.631M	25.71M	17.451M	26.88M	17.451M
5200MHz	Pass	Inf	25.5M	17.421M	27.54M	17.631M	25.8M	17.451M	26.97M	17.451M
5240MHz	Pass	Inf	25.83M	17.451M	25.95M	17.571M	25.8M	17.271M	24.87M	17.121M
5260MHz	Pass	Inf	25.65M	17.391M	26.4M	17.301M	24.45M	17.151M	25.2M	17.151M
5300MHz	Pass	Inf	26.1M	17.451M	26.22M	17.361M	27.3M	17.751M	26.01M	17.271M
5320MHz	Pass	Inf	25.86M	17.511M	27.42M	17.601M	25.92M	17.361M	26.43M	17.391M
5500MHz	Pass	Inf	26.28M	17.631M	26.34M	17.331M	25.68M	17.661M	26.04M	17.391M
5580MHz	Pass	Inf	25.74M	17.661M	26.61M	17.331M	25.26M	17.391M	25.95M	17.451M
5700MHz	Pass	Inf	25.02M	17.481M	26.49M	17.511M	26.28M	17.211M	26.19M	17.391M
5745MHz	Pass	500k	16.44M	19.61M	16.53M	18.261M	16.38M	19.85M	16.56M	17.751M
5785MHz	Pass	500k	16.5M	19.94M	16.59M	19.16M	16.53M	21.079M	16.59M	18.621M
5825MHz	Pass	500k	16.41M	26.447M	16.59M	26.417M	16.47M	24.078M	16.56M	23.088M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.85M	19.25M	24.3M	19.37M	23.79M	19.22M	23.04M	19.07M
5200MHz	Pass	Inf	21.99M	19.01M	21.54M	19.01M	21.84M	19.04M	22.11M	19.07M
5240MHz	Pass	Inf	22.95M	19.22M	23.25M	19.25M	23.4M	19.28M	22.92M	19.22M
5260MHz	Pass	Inf	22.98M	19.01M	23.76M	19.1M	23.43M	19.1M	22.44M	19.01M
5300MHz	Pass	Inf	20.46M	18.921M	20.1M	18.891M	20.67M	18.951M	21.45M	18.951M
5320MHz	Pass	Inf	23.1M	19.43M	23.37M	19.43M	23.19M	19.43M	23.31M	19.43M
5500MHz	Pass	Inf	24.24M	19.43M	24.21M	19.28M	23.76M	19.25M	22.59M	19.22M
5580MHz	Pass	Inf	24.21M	19.16M	23.16M	19.1M	23.7M	19.16M	25.02M	19.31M
5700MHz	Pass	Inf	21.39M	19.01M	21.42M	19.04M	22.92M	19.22M	23.31M	19.25M
5745MHz	Pass	500k	18.96M	22.339M	19.08M	19.31M	19.08M	23.388M	19.08M	19.31M
5785MHz	Pass	500k	19.14M	19.58M	19.14M	19.49M	19.14M	19.64M	19.14M	19.55M
5825MHz	Pass	500k	19.05M	21.829M	19.08M	23.118M	19.11M	20.15M	19.05M	19.88M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	43.38M	38.741M	42.06M	38.441M	42.06M	38.381M	42.48M	38.621M
5230MHz	Pass	Inf	41.1M	38.261M	40.92M	38.141M	40.02M	38.141M	41.22M	38.201M
5270MHz	Pass	Inf	42.78M	38.201M	41.82M	38.141M	41.76M	38.141M	42.06M	38.201M
5310MHz	Pass	Inf	42.84M	38.621M	43.68M	38.681M	42.36M	38.321M	41.46M	38.201M
5510MHz	Pass	Inf	42M	38.261M	42.24M	38.261M	41.1M	38.081M	40.26M	38.021M
5550MHz	Pass	Inf	42.6M	38.201M	42.54M	38.201M	42.18M	38.081M	41.22M	38.081M
5670MHz	Pass	Inf	42.36M	38.261M	42.54M	38.201M	42.36M	38.141M	44.16M	38.381M
5755MHz	Pass	500k	38.22M	39.22M	37.98M	38.381M	37.98M	38.981M	38.22M	38.621M
5795MHz	Pass	500k	38.1M	41.739M	37.92M	42.039M	37.86M	45.457M	38.1M	39.58M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	85.68M	78.201M	86.04M	78.441M	86.76M	78.561M	86.28M	78.441M
5290MHz	Pass	Inf	82.32M	77.601M	82.8M	77.601M	83.64M	77.841M	85.44M	78.441M
5530MHz	Pass	Inf	82.8M	77.601M	82.56M	77.841M	82.2M	77.601M	82.44M	77.601M
5610MHz	Pass	Inf	83.76M	78.441M	84.72M	78.321M	83.52M	78.321M	83.16M	78.081M
5775MHz	Pass	500k	78M	78.321M	77.88M	77.961M	77.76M	78.081M	78.12M	78.081M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	85.68M	79.48M	85.44M	79.32M	85.36M	79.32M	84.88M	79M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.48M	78.201M	82.4M	78.201M	82.96M	78.201M	84.16M	78.521M
5570MHz	Pass	Inf	166.32M	156.882M	166.32M	157.121M	166.56M	157.121M	167.76M	157.361M

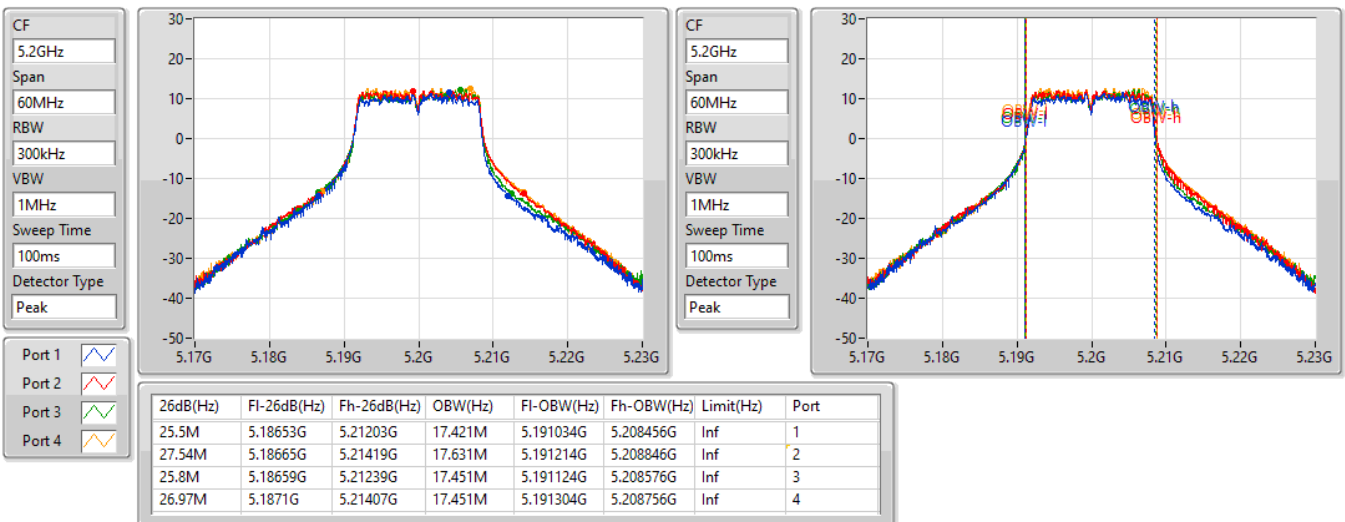
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX
EBW
5180MHz

16/03/2022

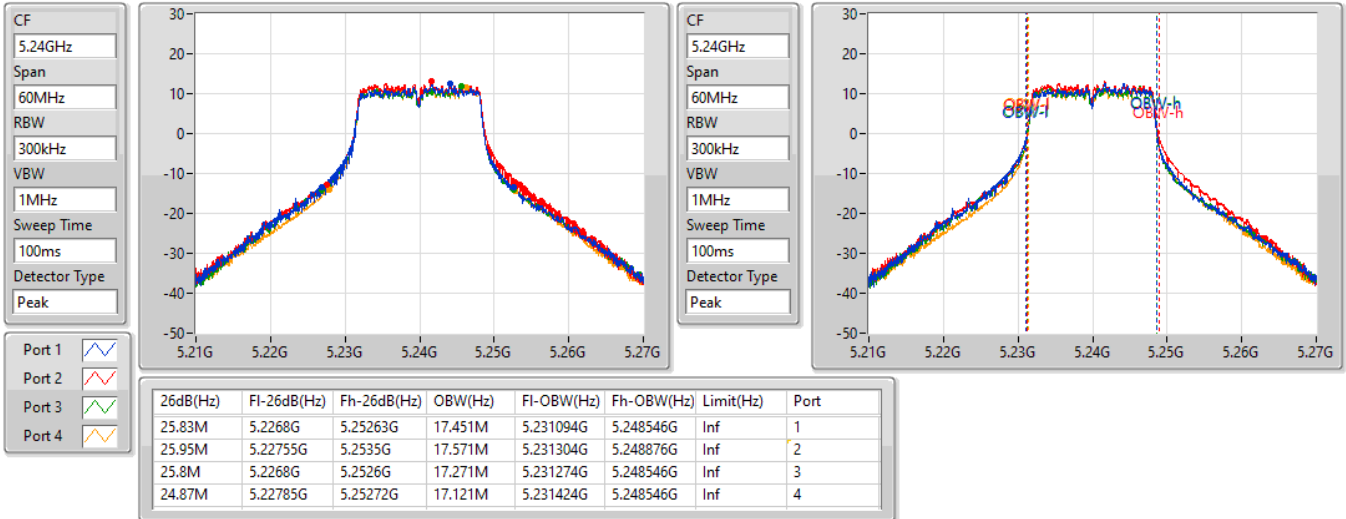

802.11a_Nss1,(6Mbps)_4TX
EBW
5200MHz

16/03/2022

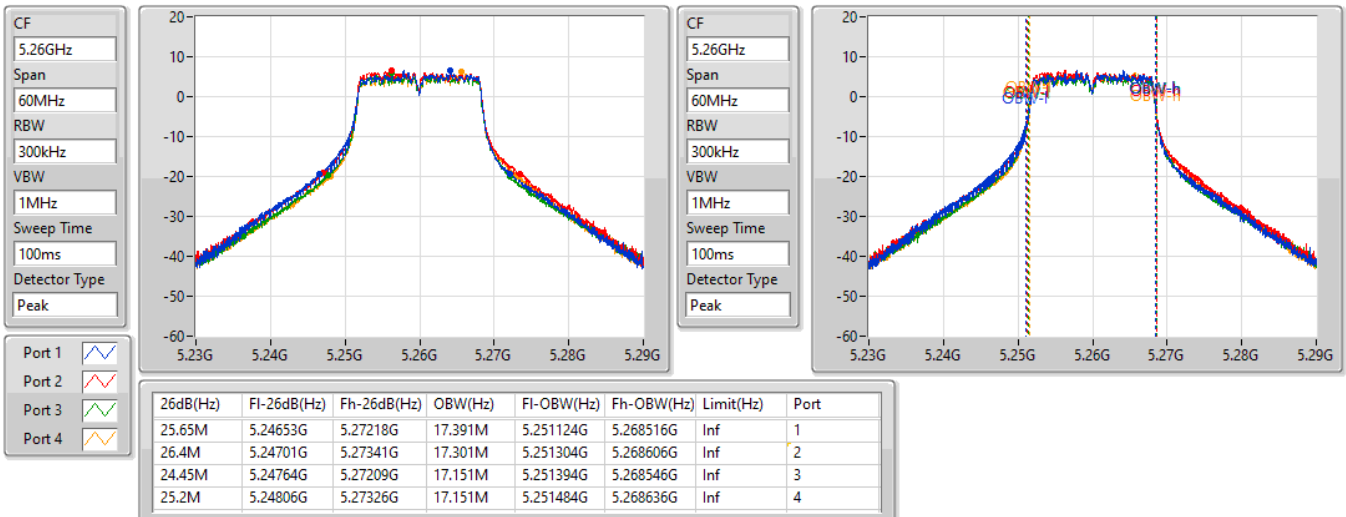


802.11a_Nss1,(6Mbps)_4TX
EBW
5240MHz

16/03/2022

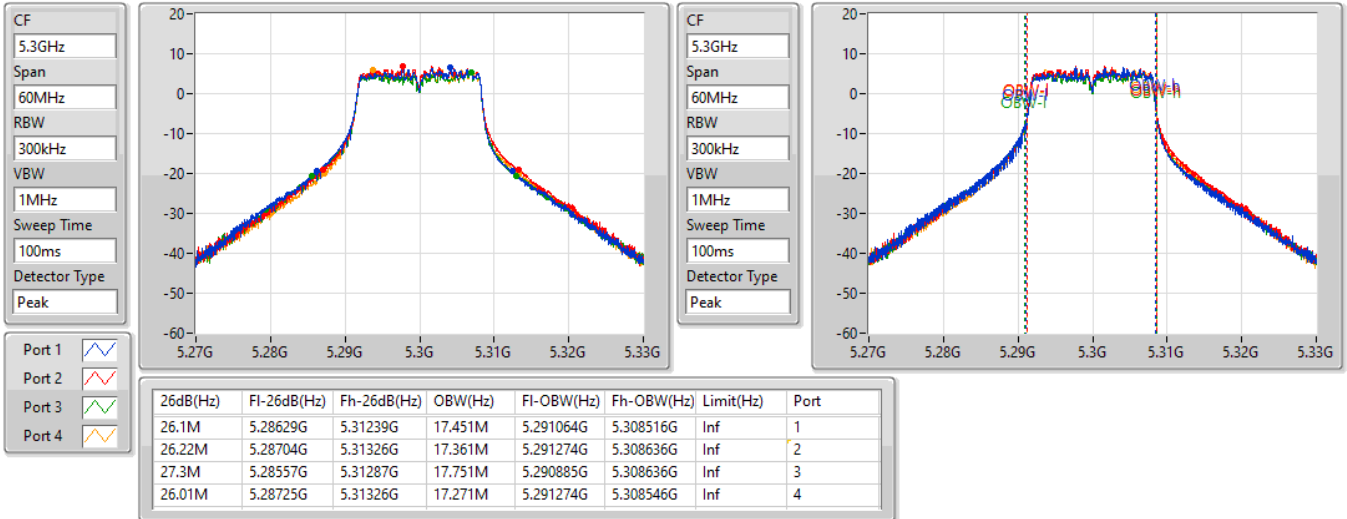

802.11a_Nss1,(6Mbps)_4TX
EBW
5260MHz

25/02/2022

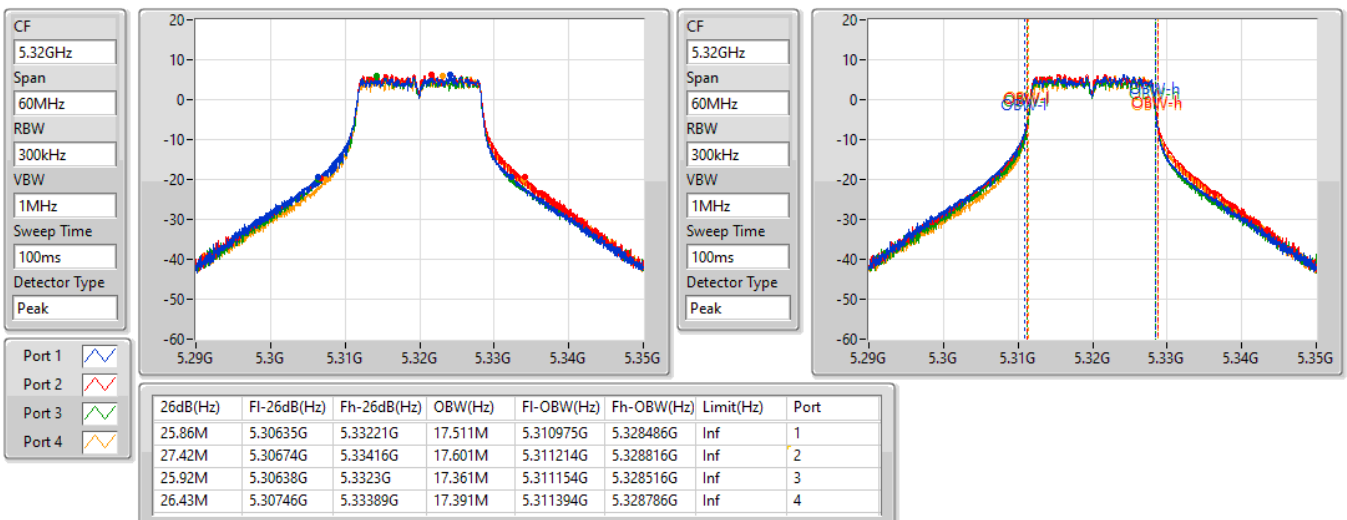


802.11a_Nss1,(6Mbps)_4TX
EBW
5300MHz

25/02/2022

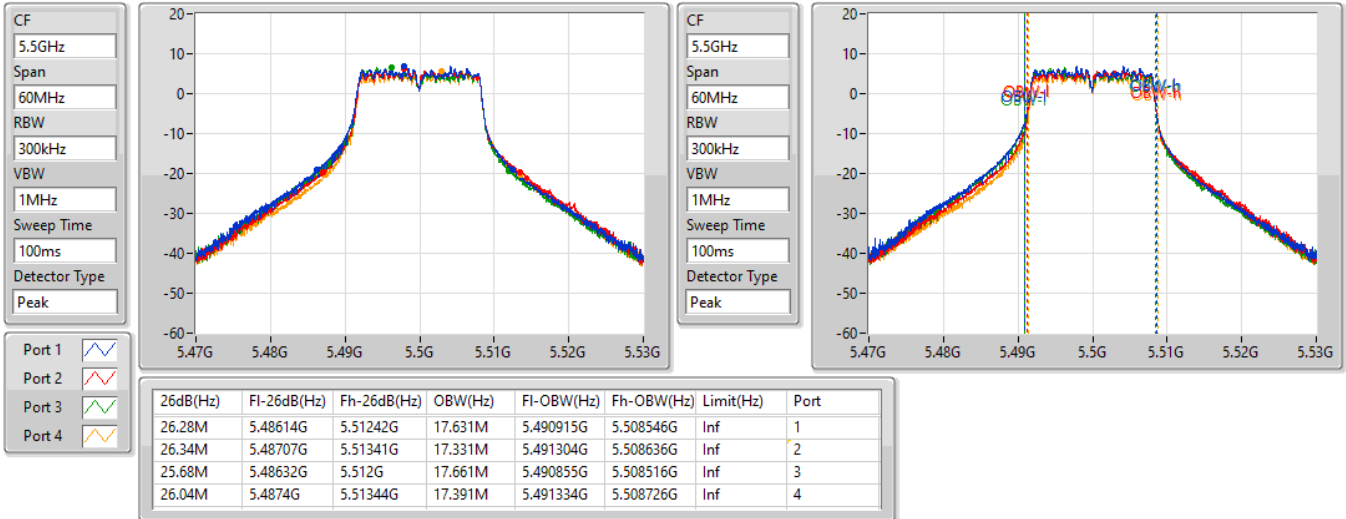

802.11a_Nss1,(6Mbps)_4TX
EBW
5320MHz

25/02/2022

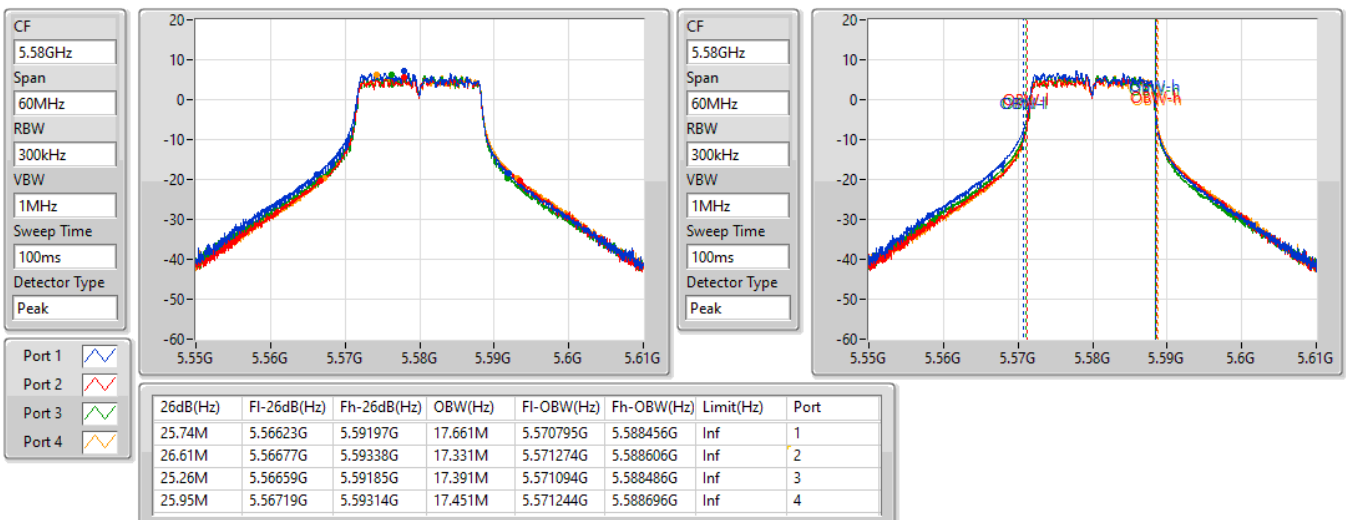


802.11a_Nss1,(6Mbps)_4TX
EBW
5500MHz

25/02/2022

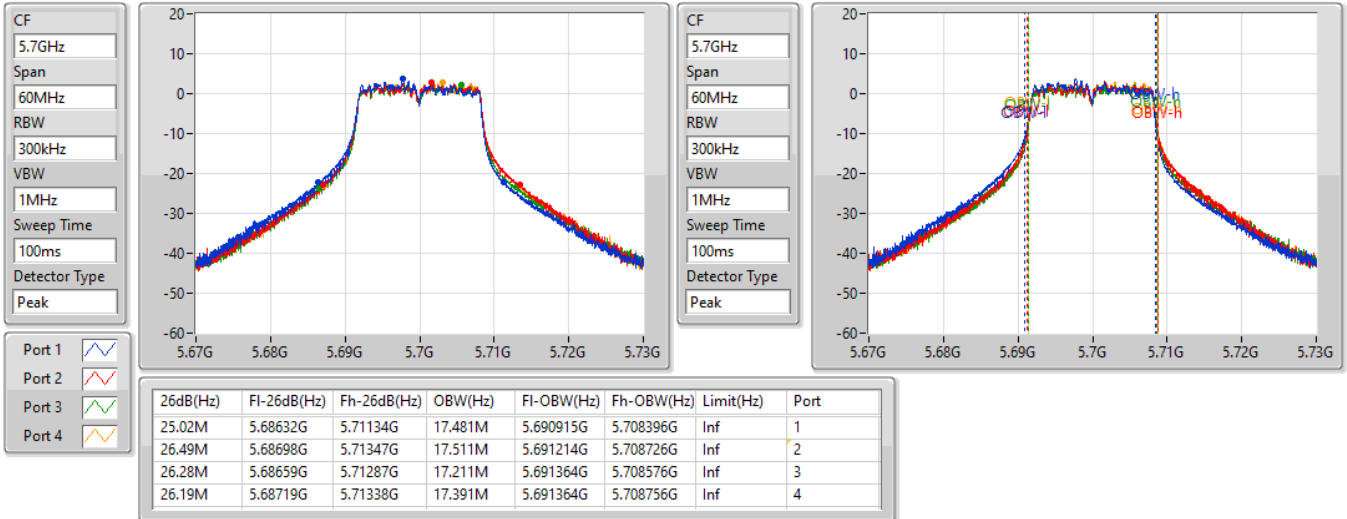

802.11a_Nss1,(6Mbps)_4TX
EBW
5580MHz

25/02/2022

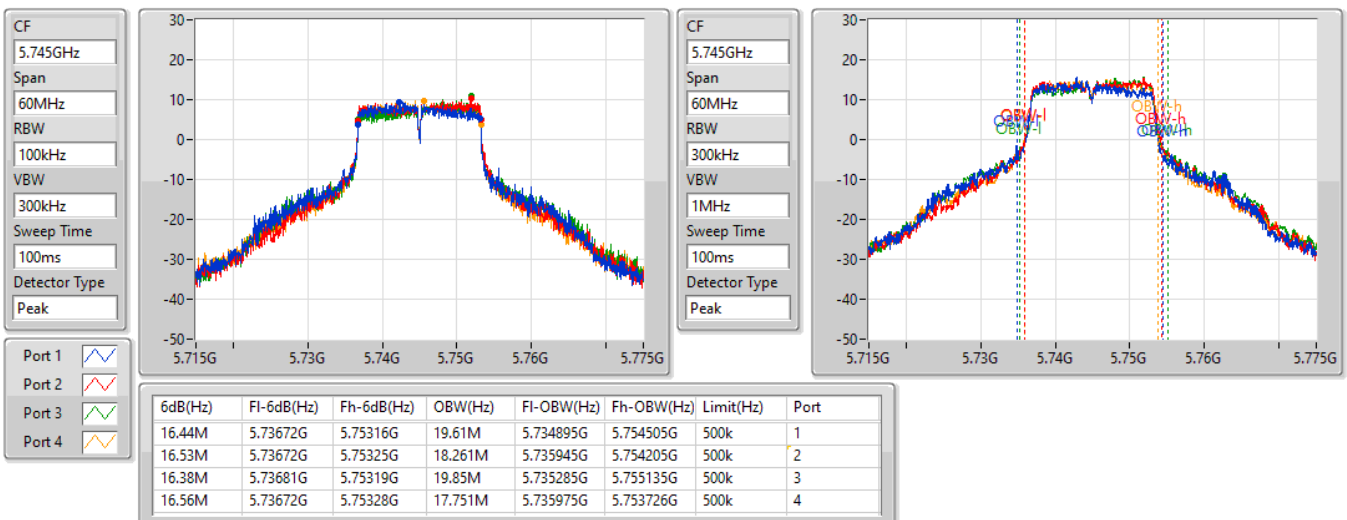


802.11a_Nss1,(6Mbps)_4TX
EBW
5700MHz

25/02/2022

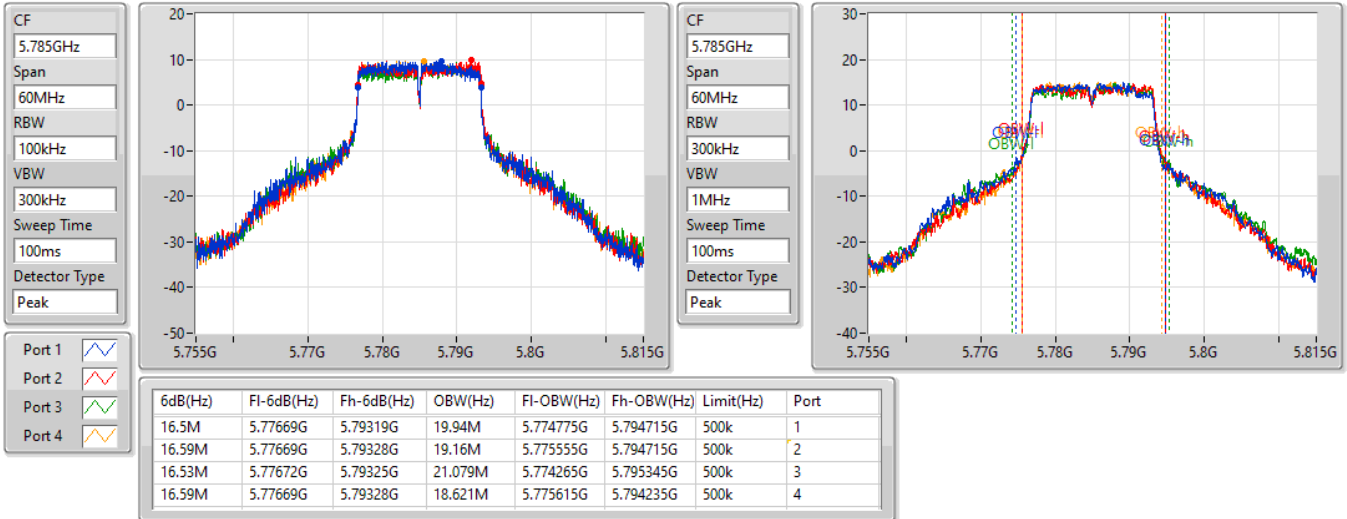

802.11a_Nss1,(6Mbps)_4TX
EBW
5745MHz

25/02/2022

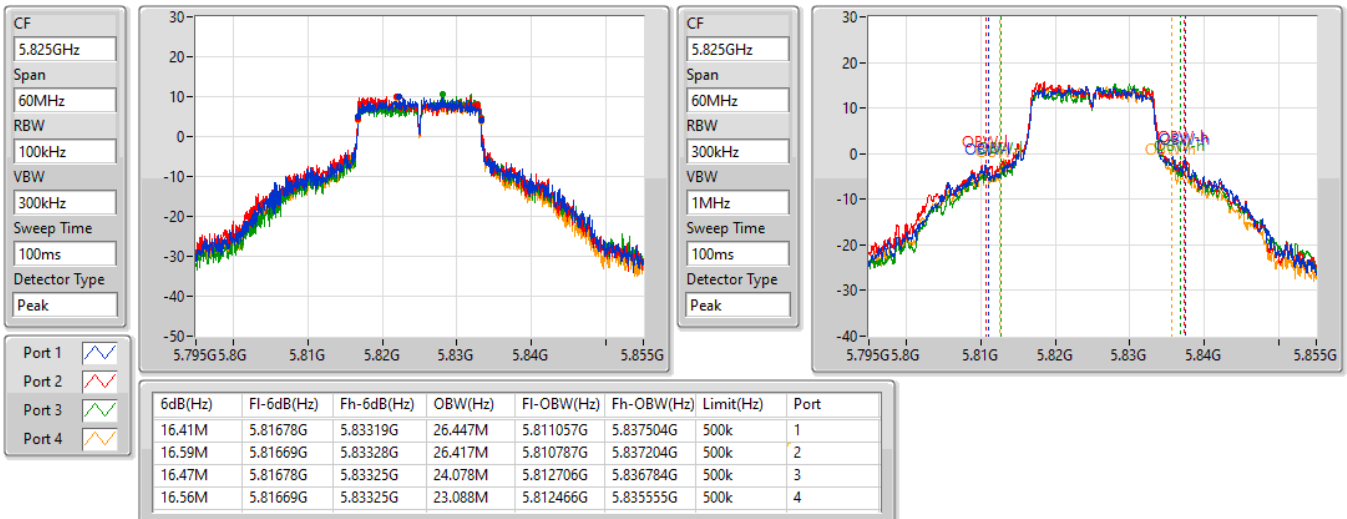


802.11a_Nss1,(6Mbps)_4TX
EBW
5785MHz

25/02/2022

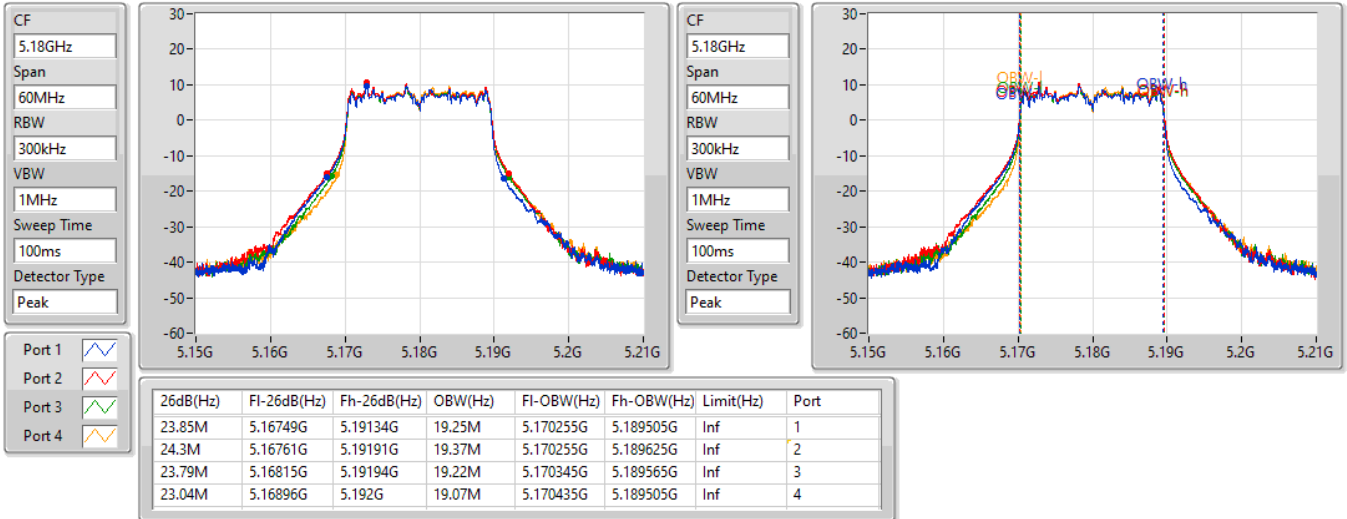

802.11a_Nss1,(6Mbps)_4TX
EBW
5825MHz

25/02/2022

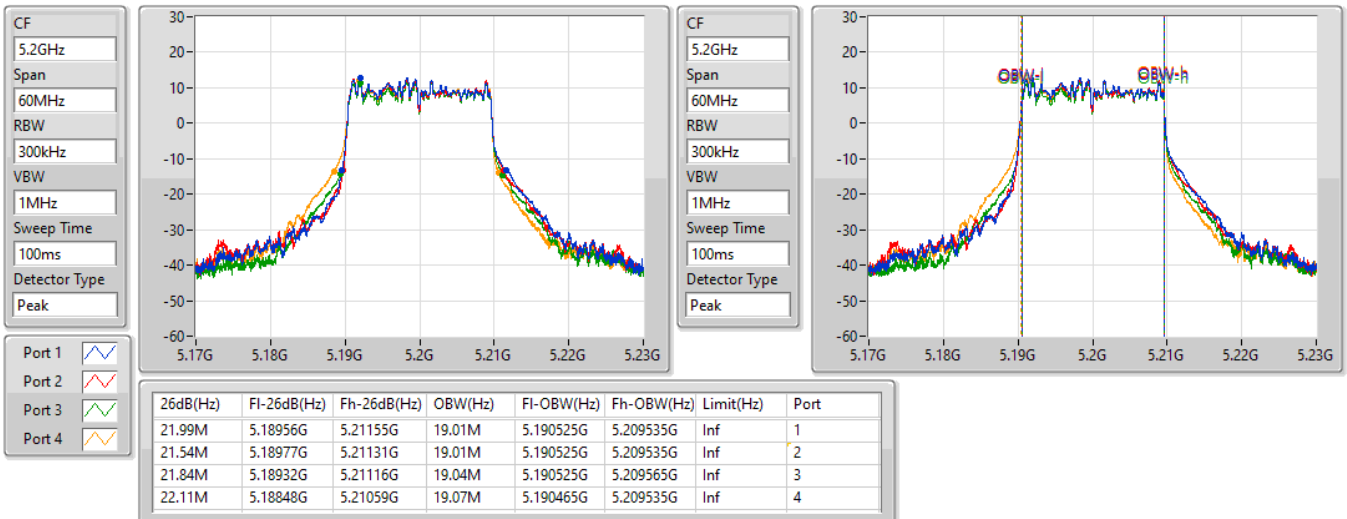


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5180MHz

25/02/2022

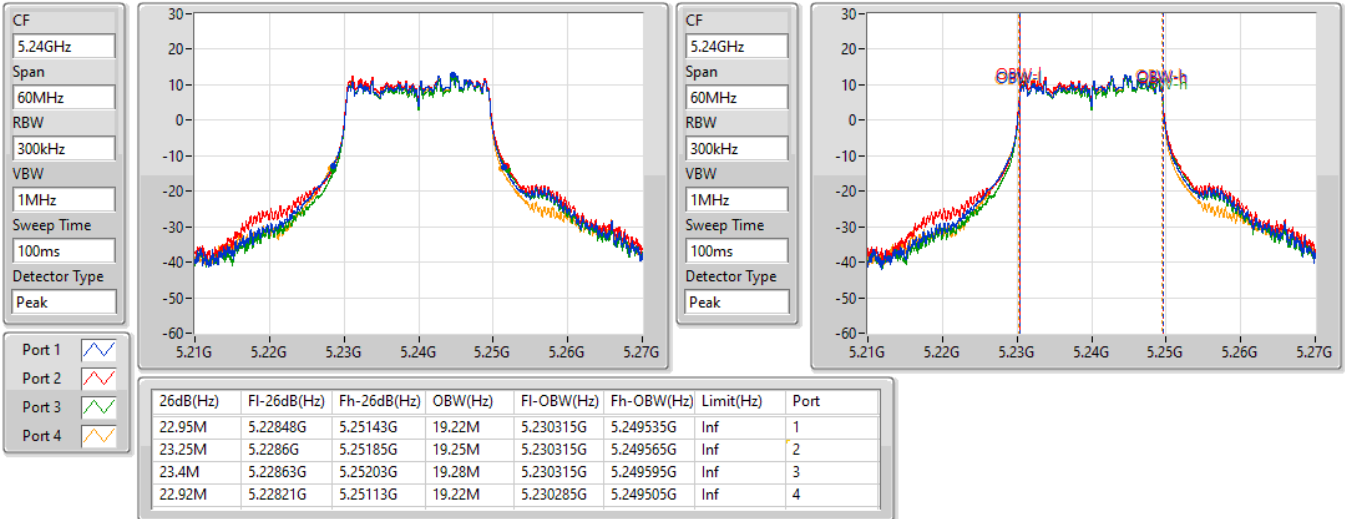

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5200MHz

25/02/2022

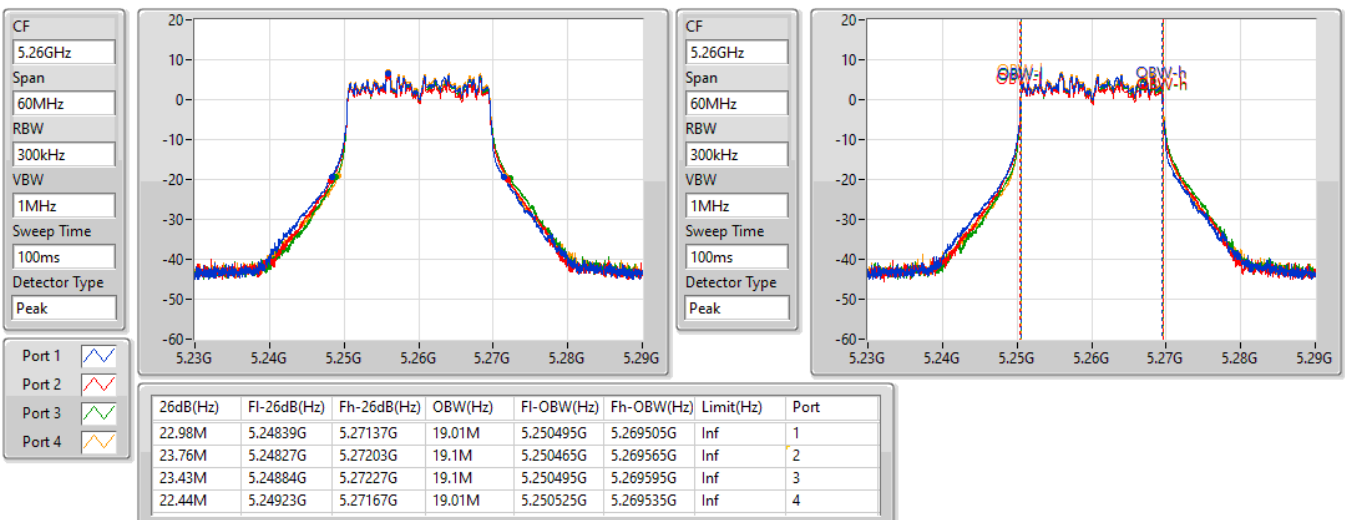


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5240MHz

25/02/2022

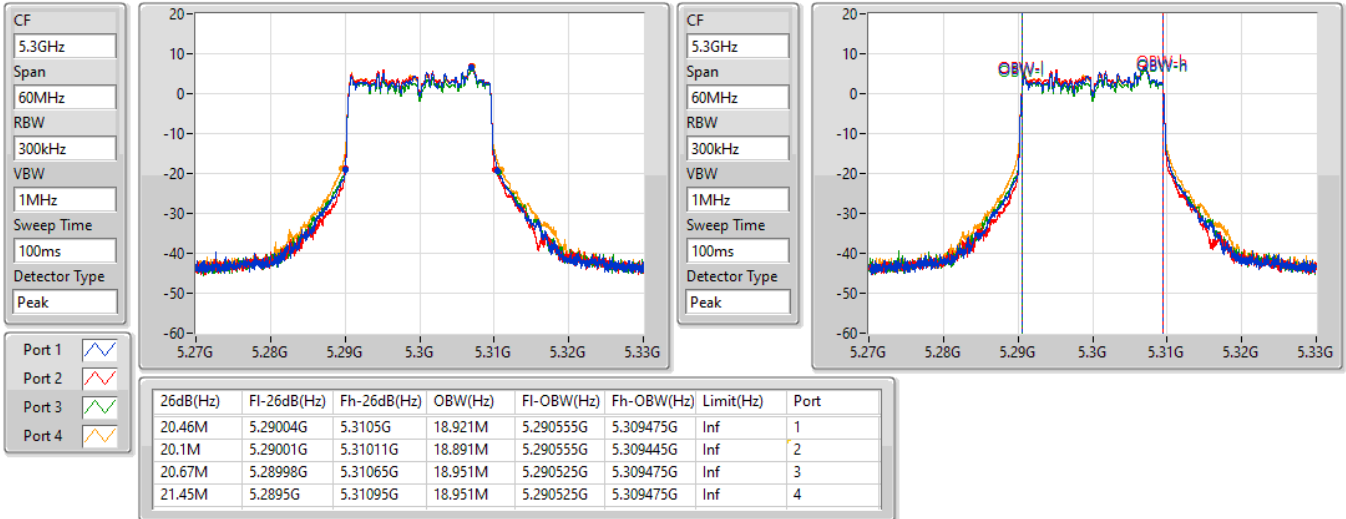

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5260MHz

25/02/2022

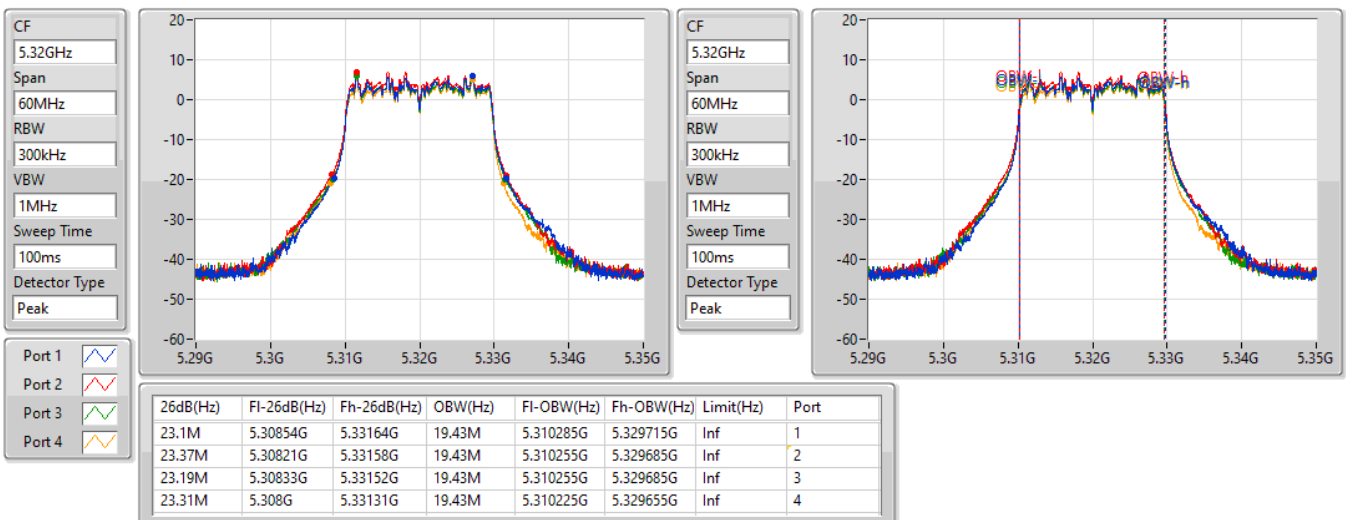


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5300MHz

25/02/2022

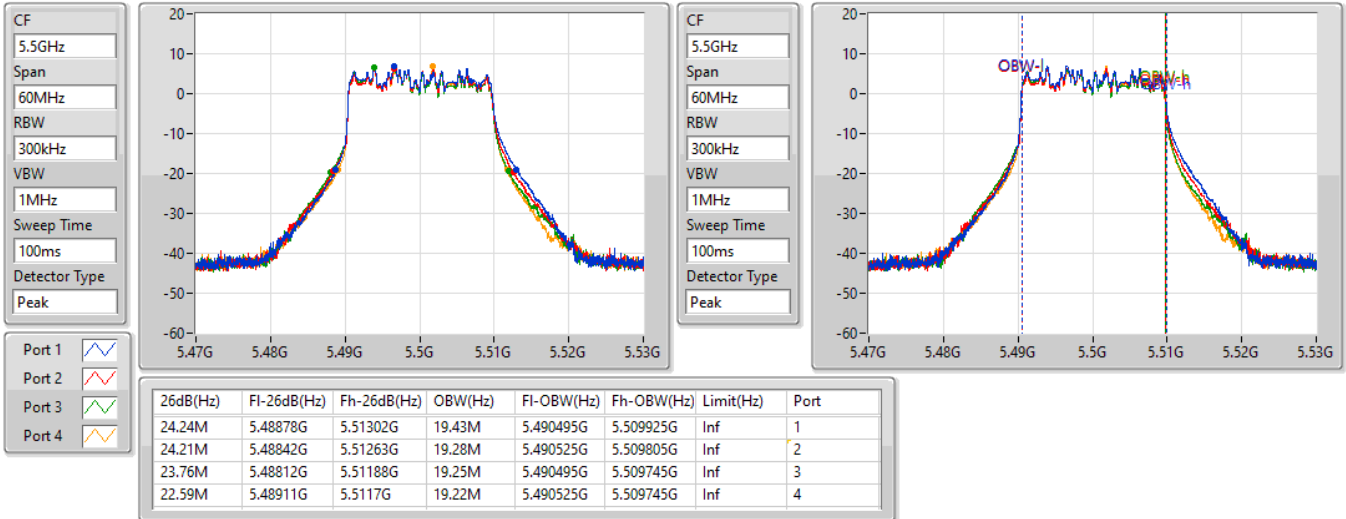

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5320MHz

25/02/2022

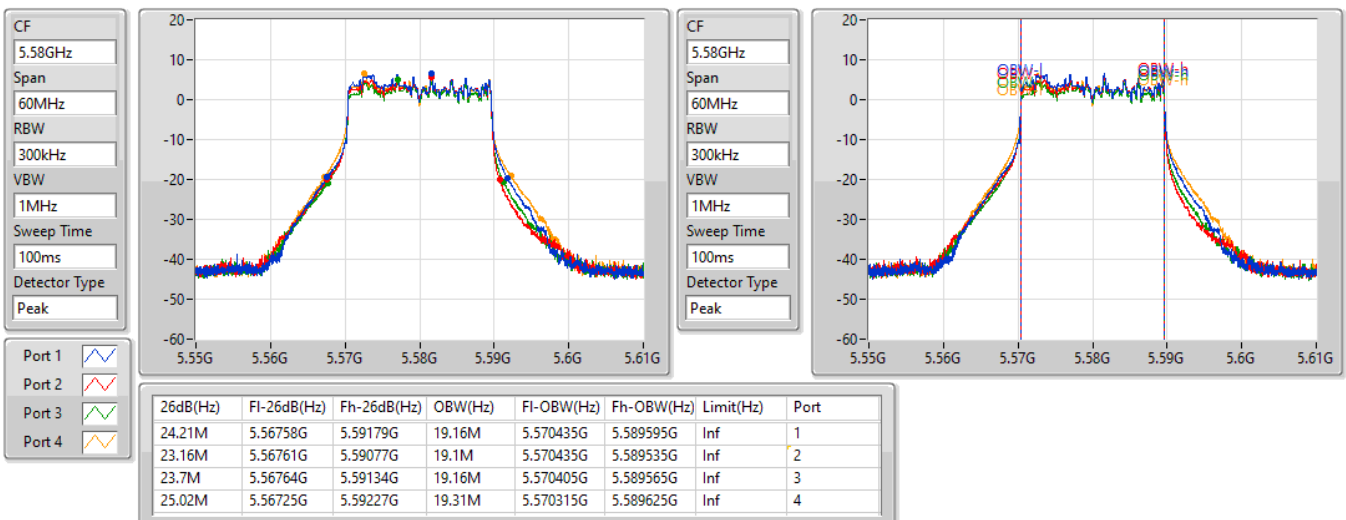


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5500MHz

25/02/2022

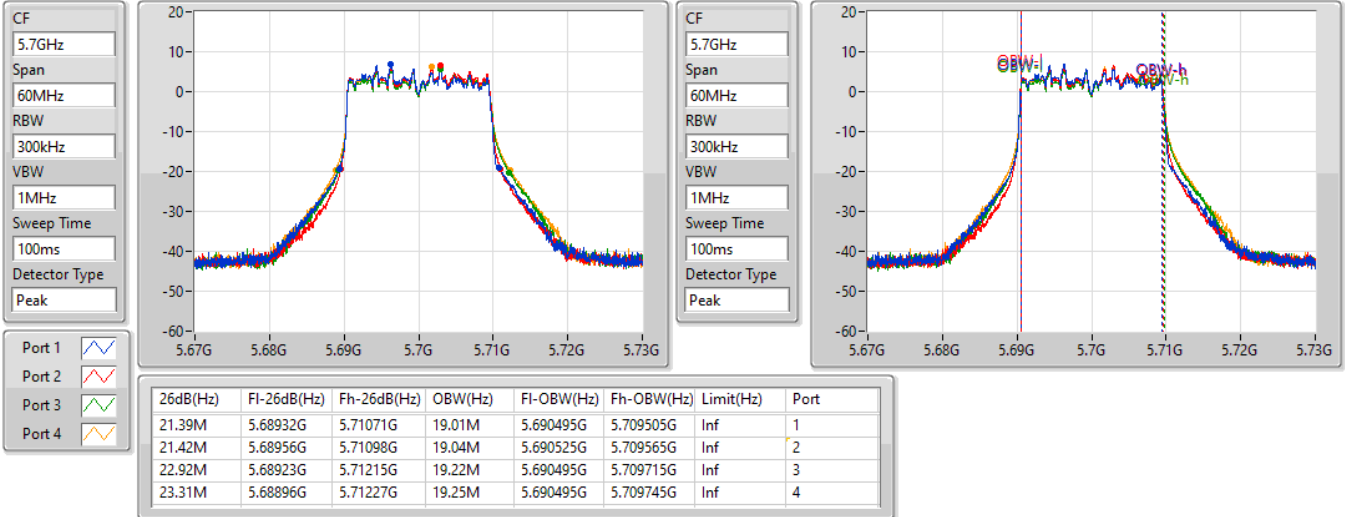

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5580MHz

25/02/2022

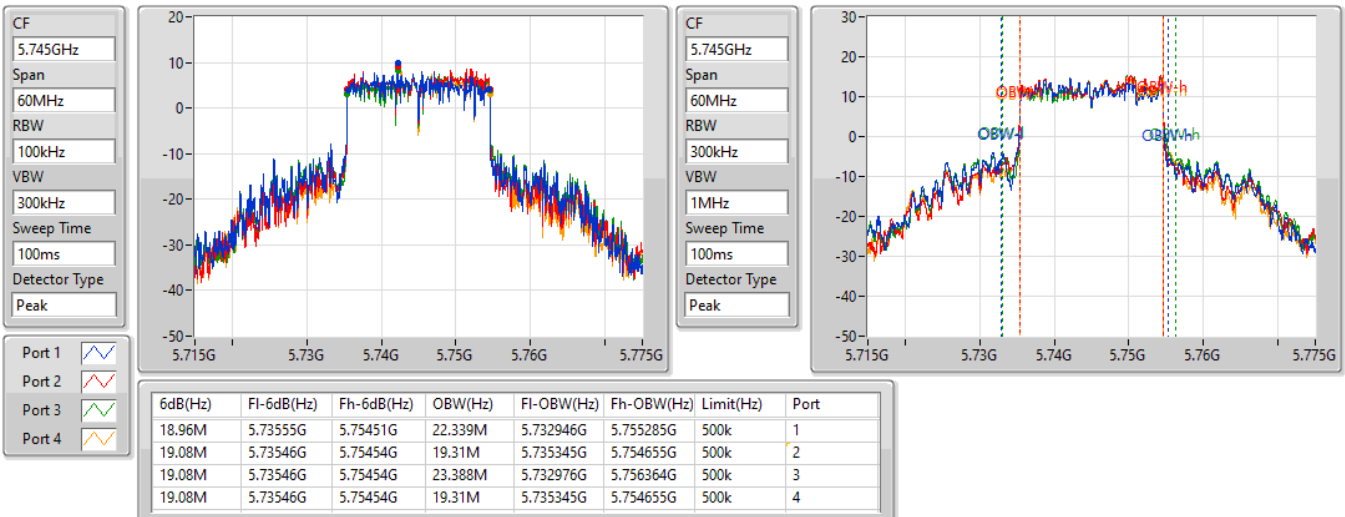


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5700MHz

25/02/2022

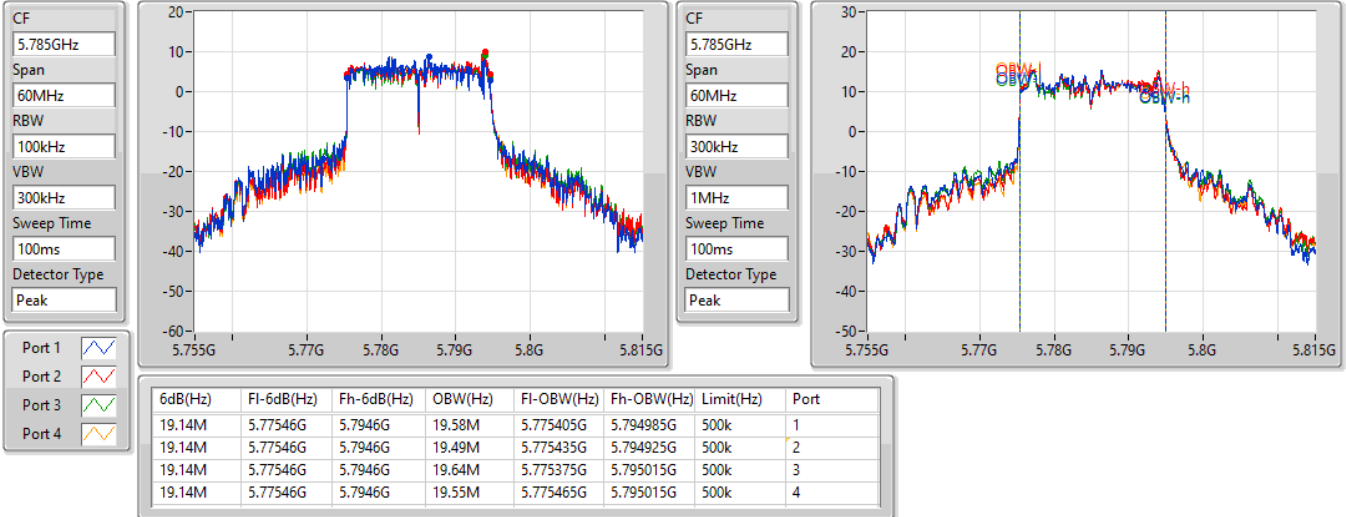

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5745MHz

25/02/2022

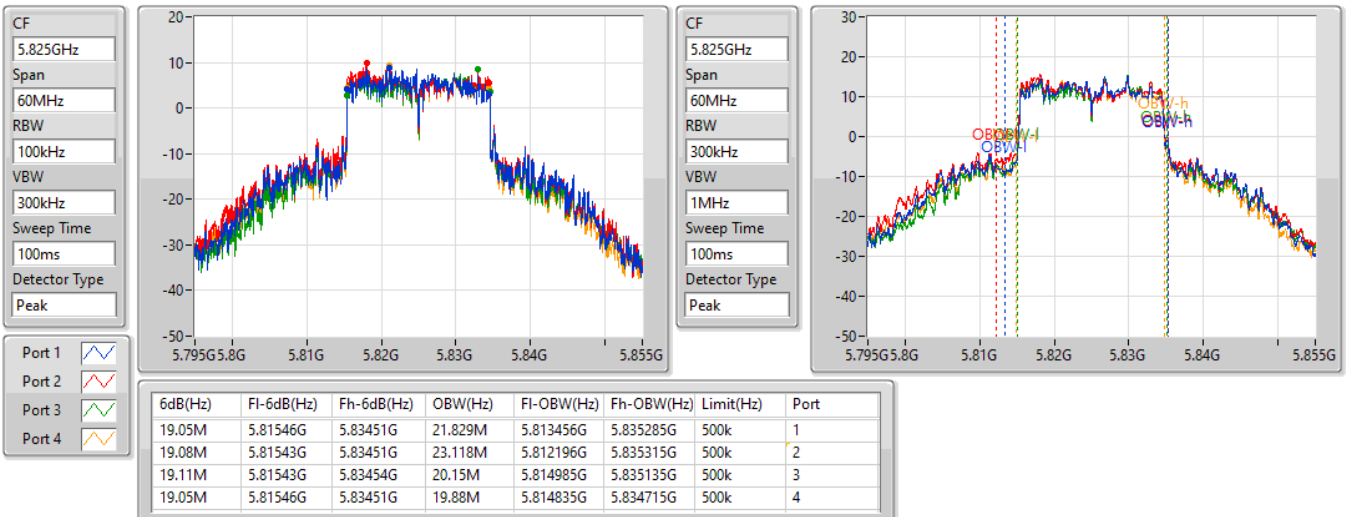


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5785MHz

25/02/2022

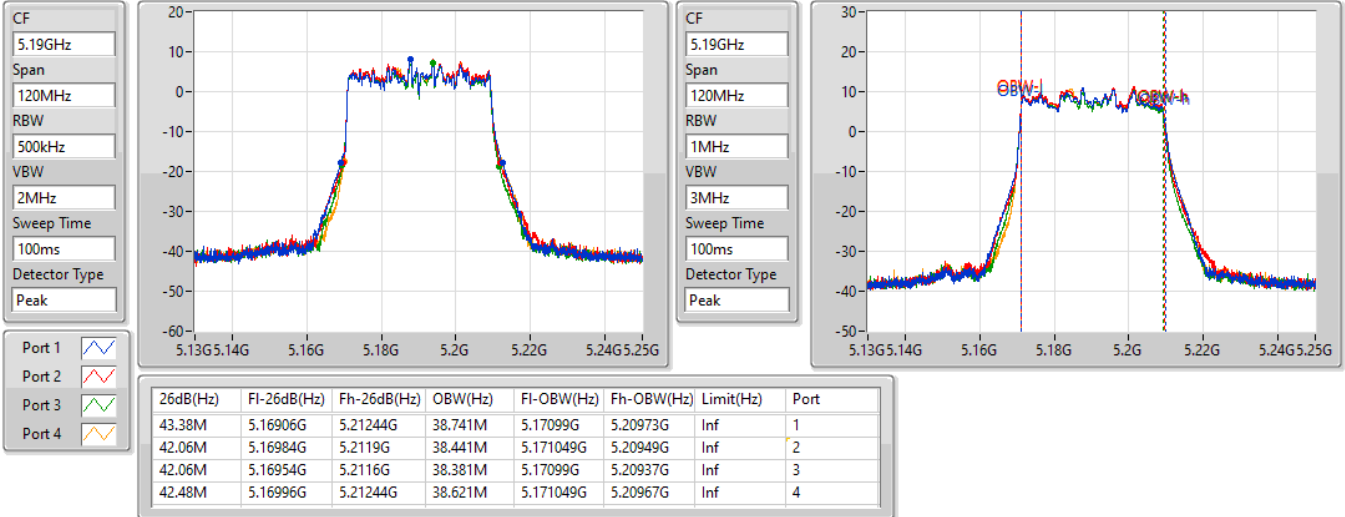

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5825MHz

25/02/2022

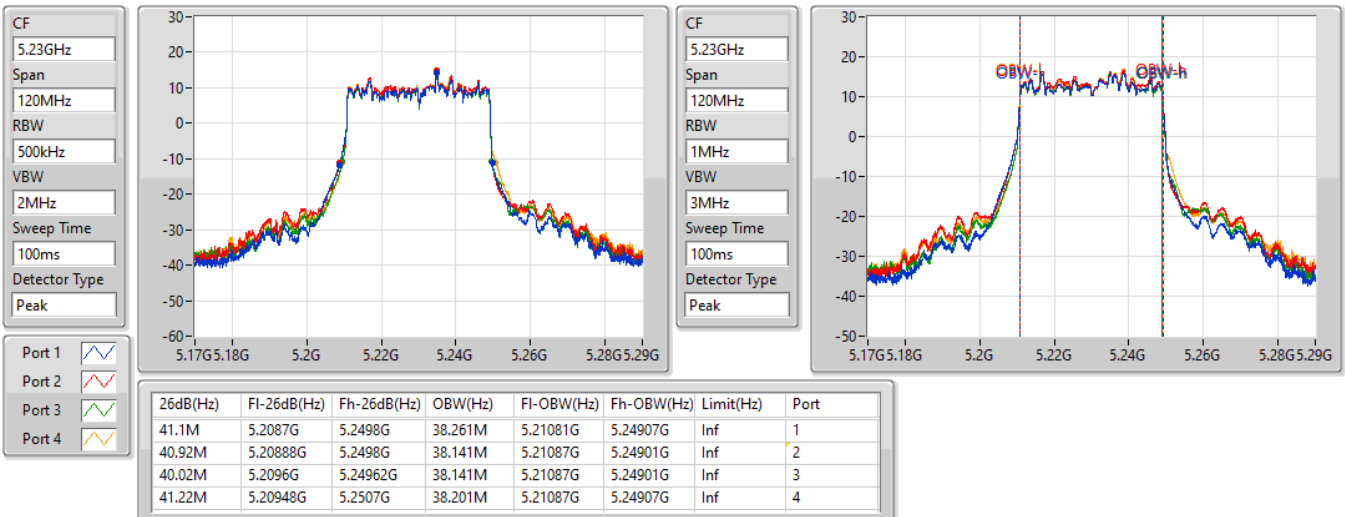


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5190MHz

25/02/2022

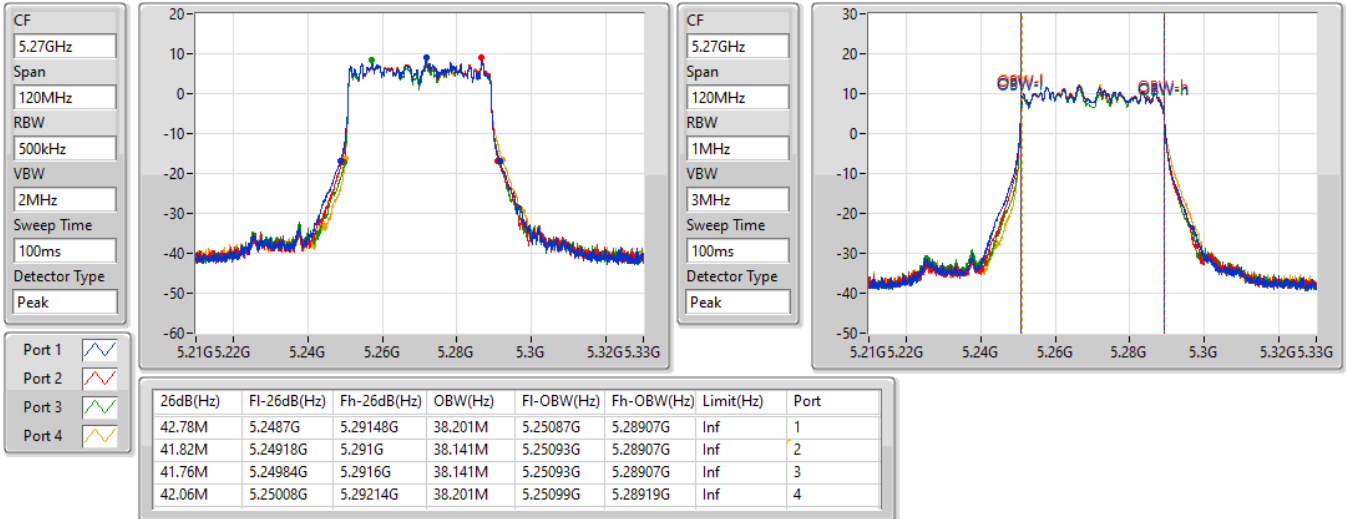

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5230MHz

25/02/2022

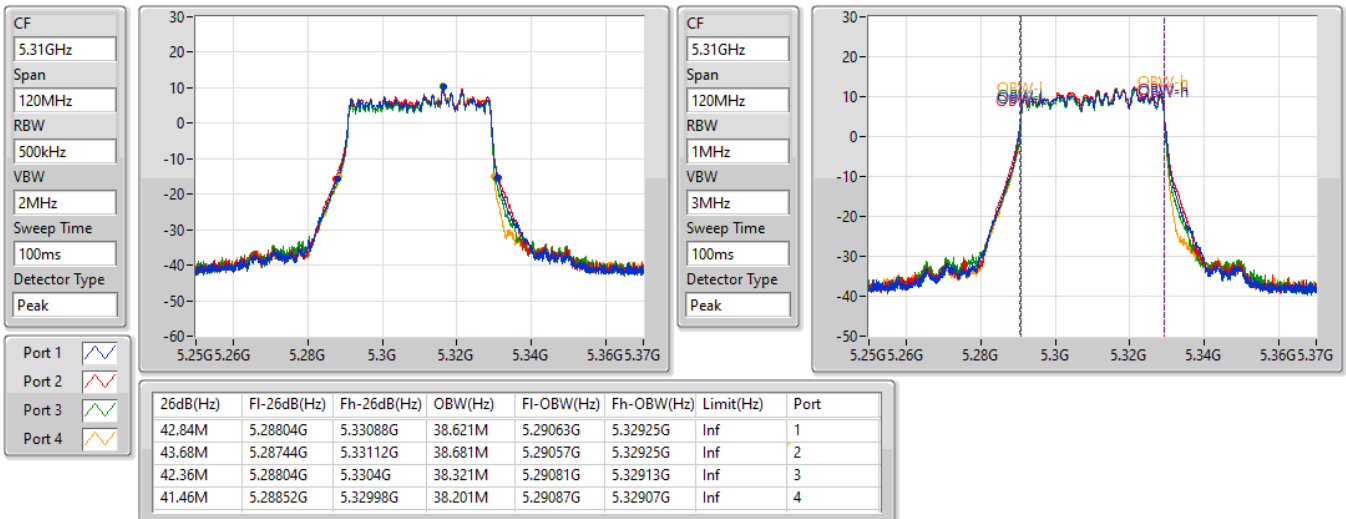


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5270MHz

25/02/2022


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5310MHz

25/02/2022

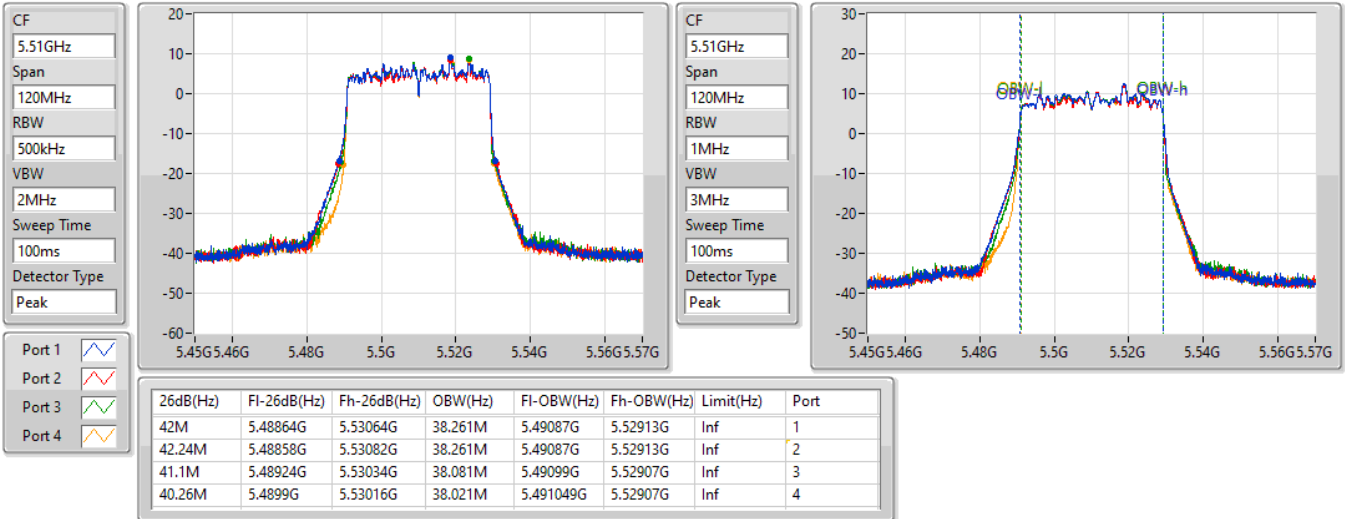


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

25/02/2022

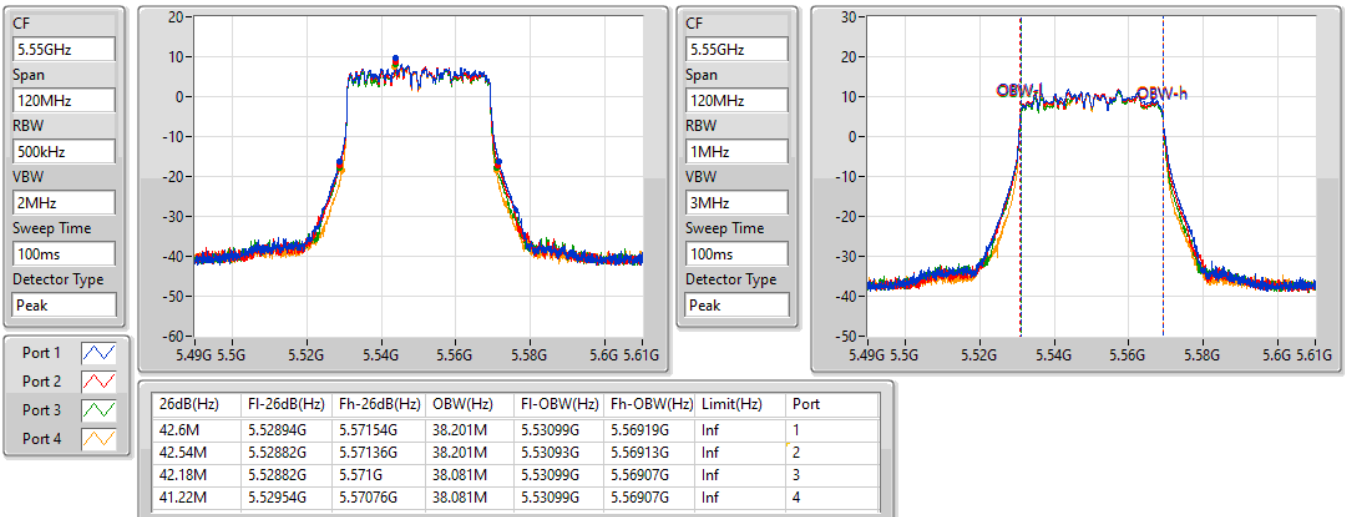


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

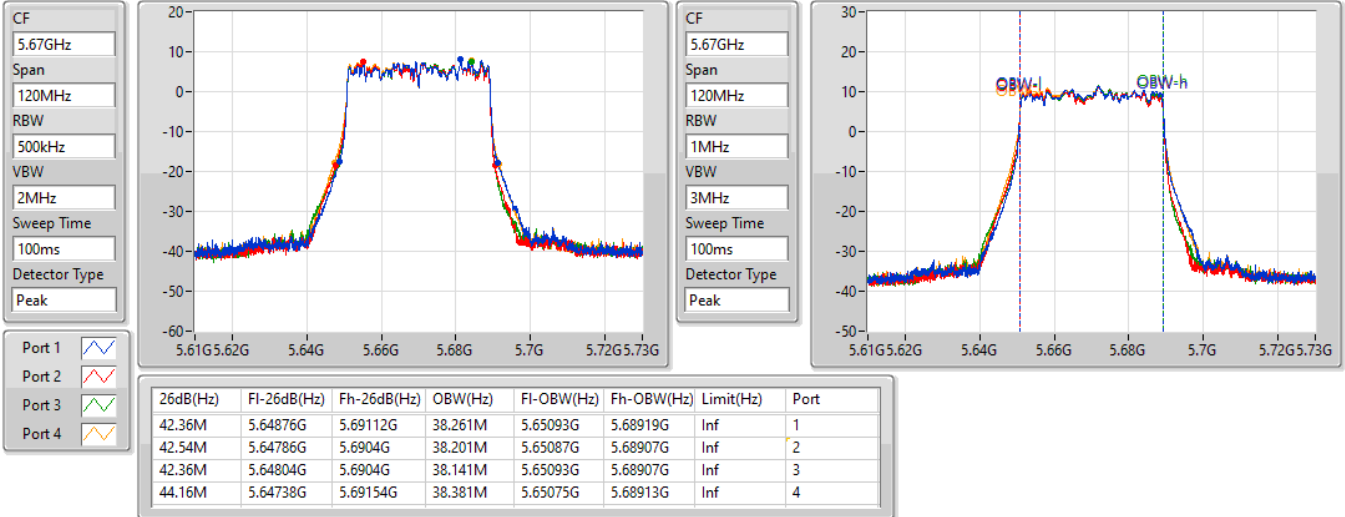
5550MHz

25/02/2022

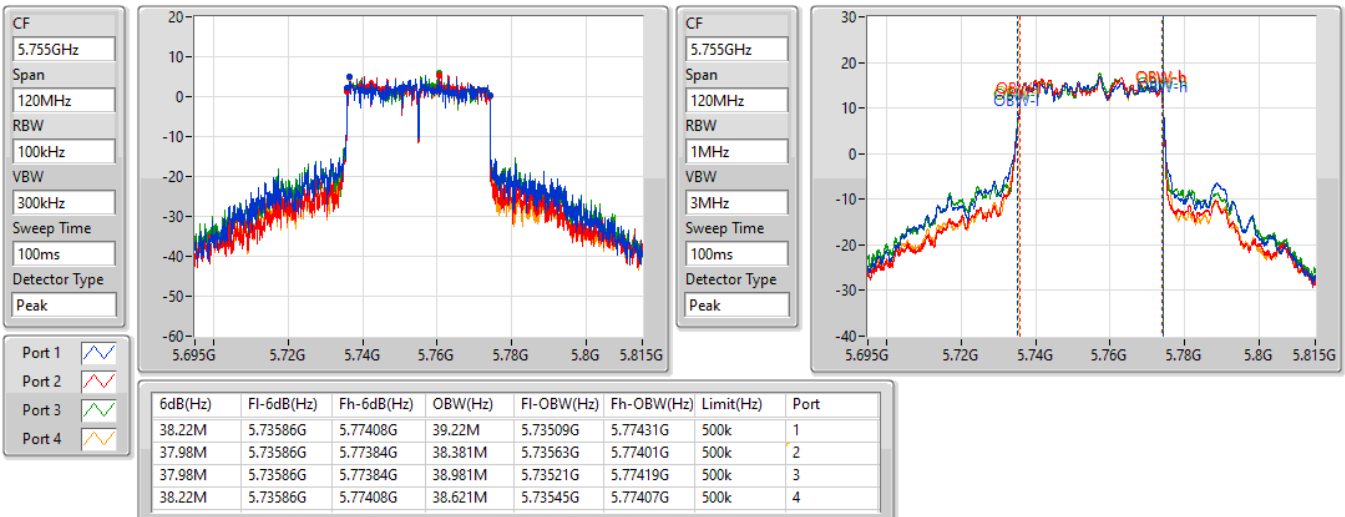


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5670MHz

25/02/2022

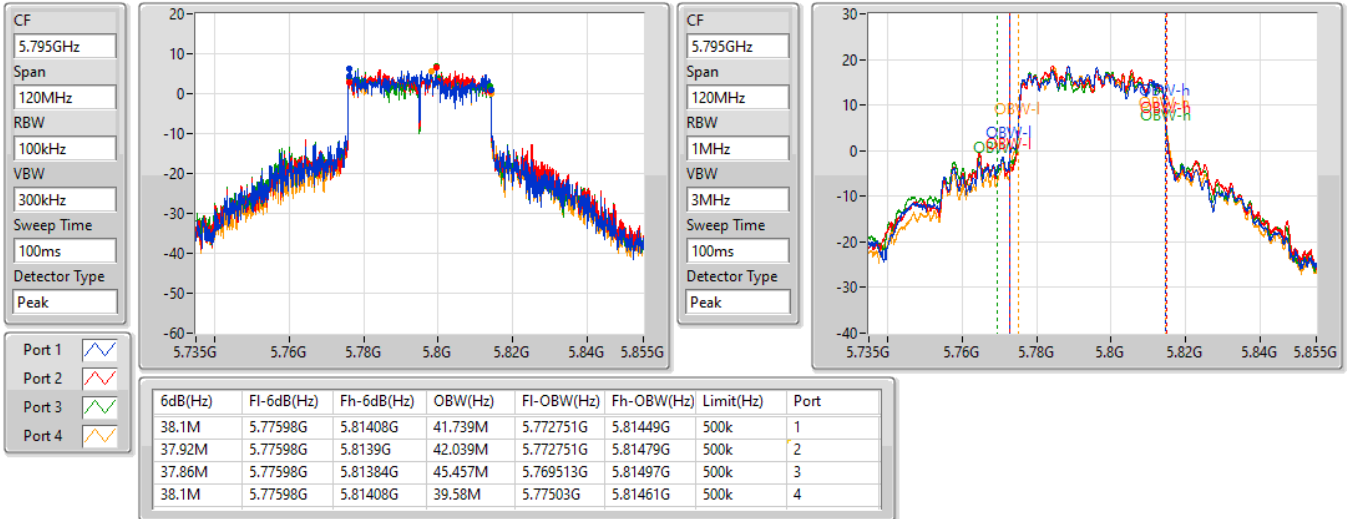

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5755MHz

25/02/2022

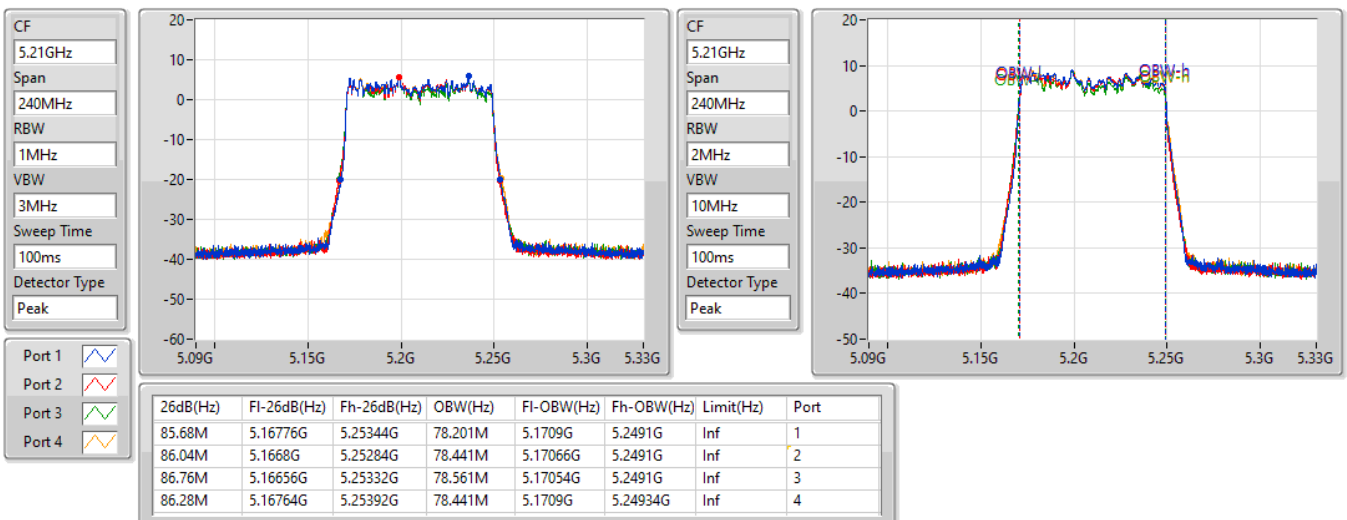


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5795MHz

25/02/2022

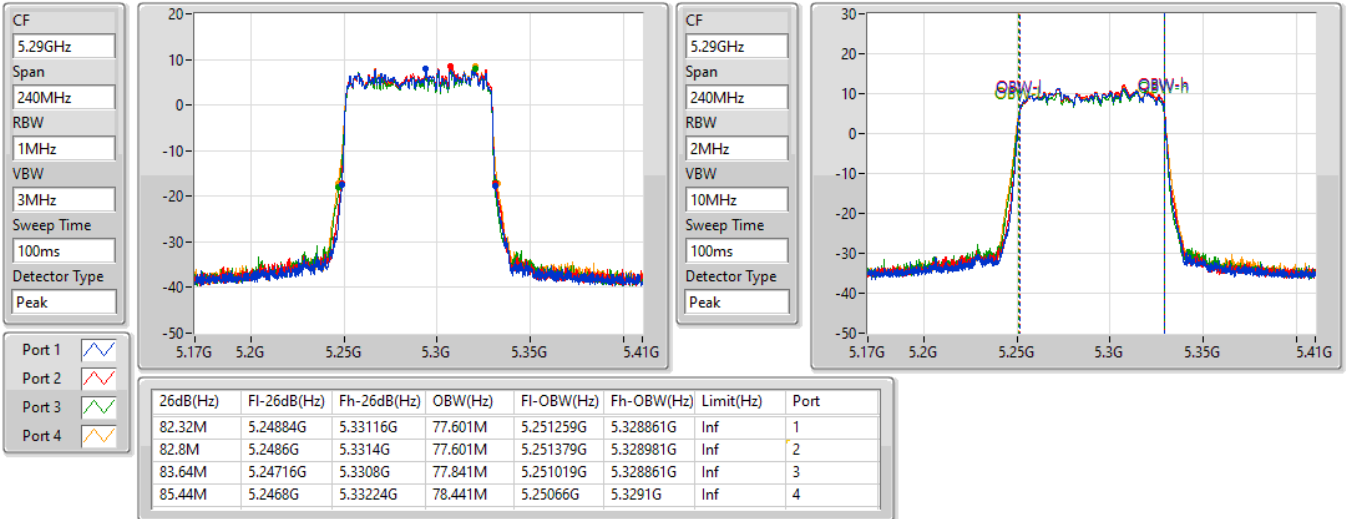

802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5210MHz

25/02/2022

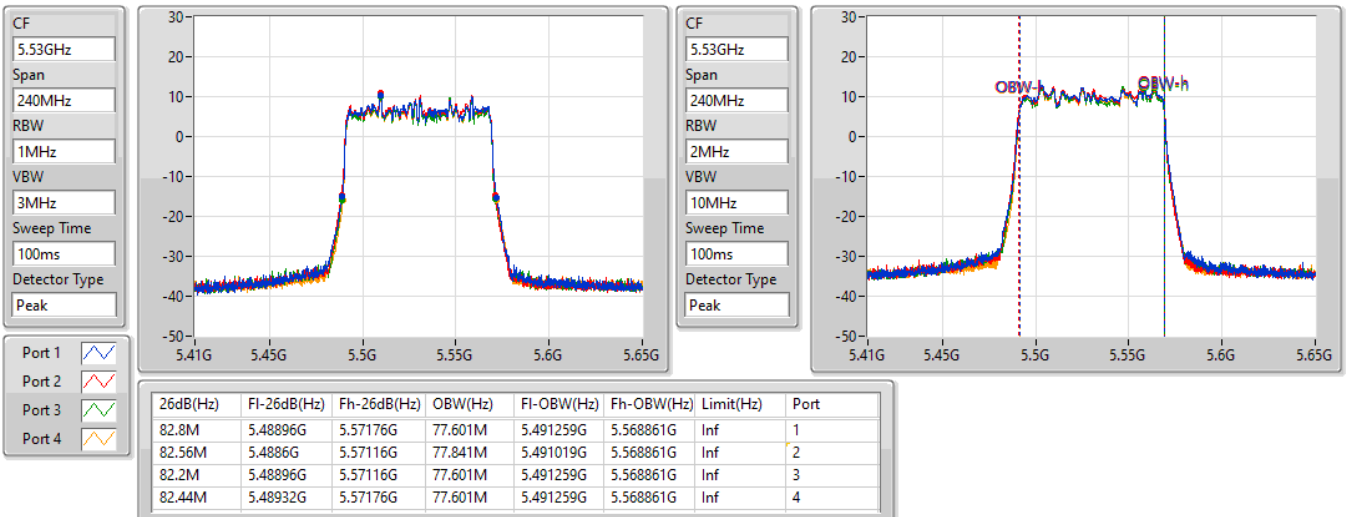


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5290MHz

25/02/2022

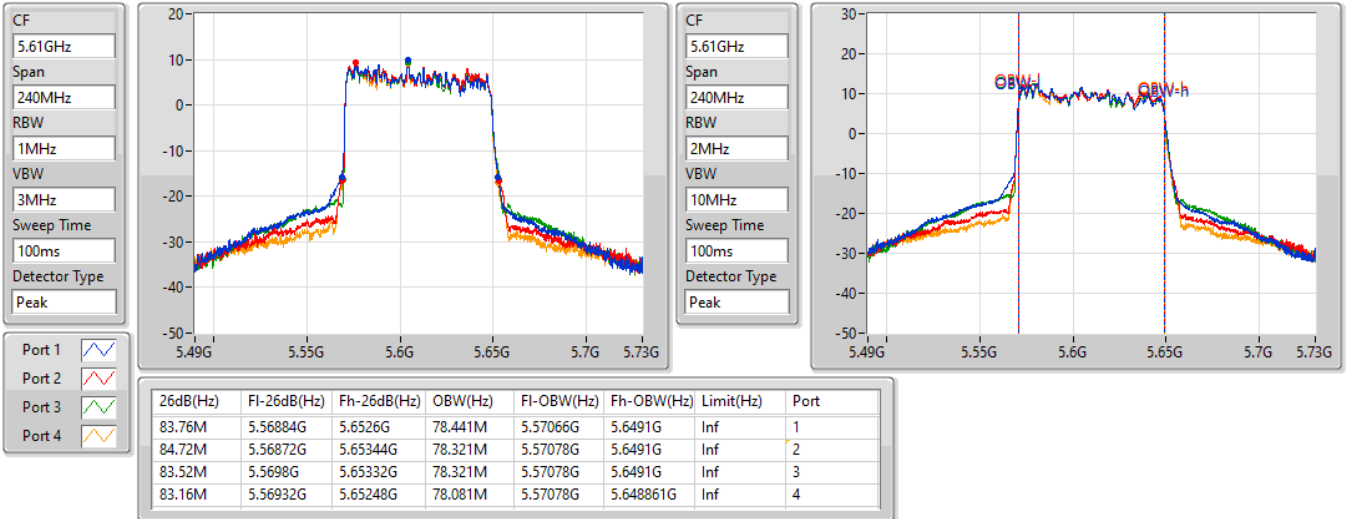

802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5530MHz

25/02/2022

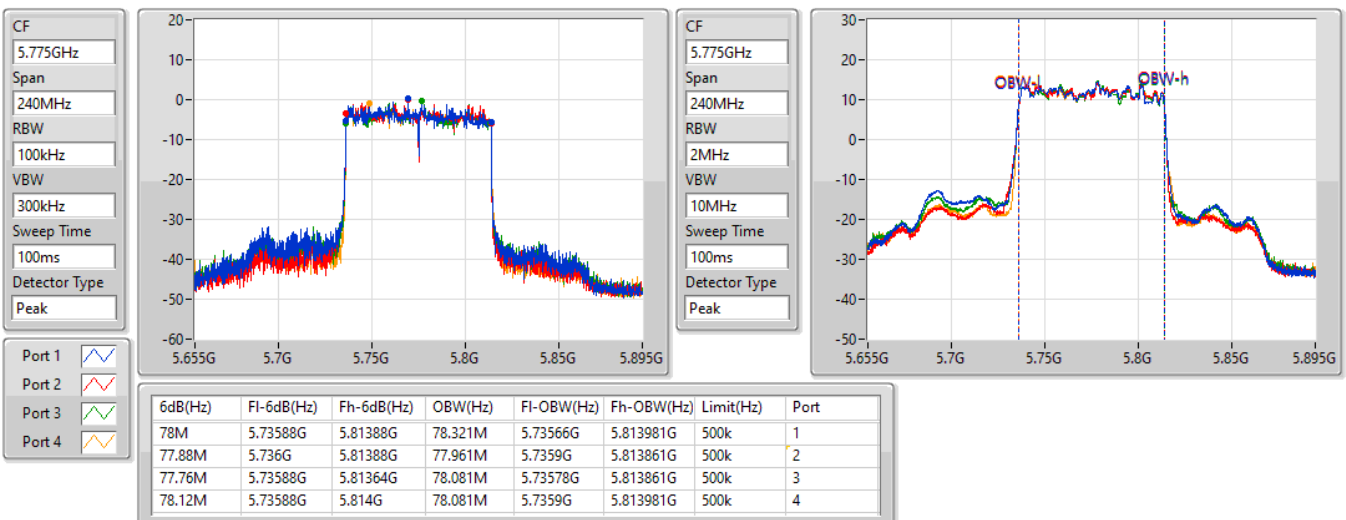


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5610MHz

26/02/2022

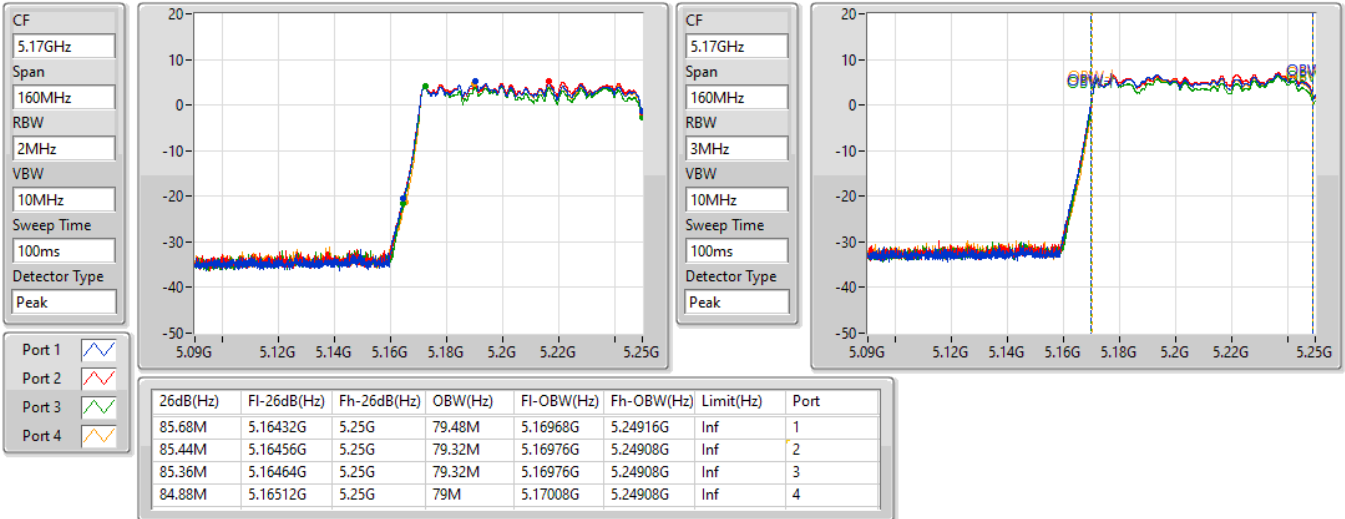

802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5775MHz

26/02/2022

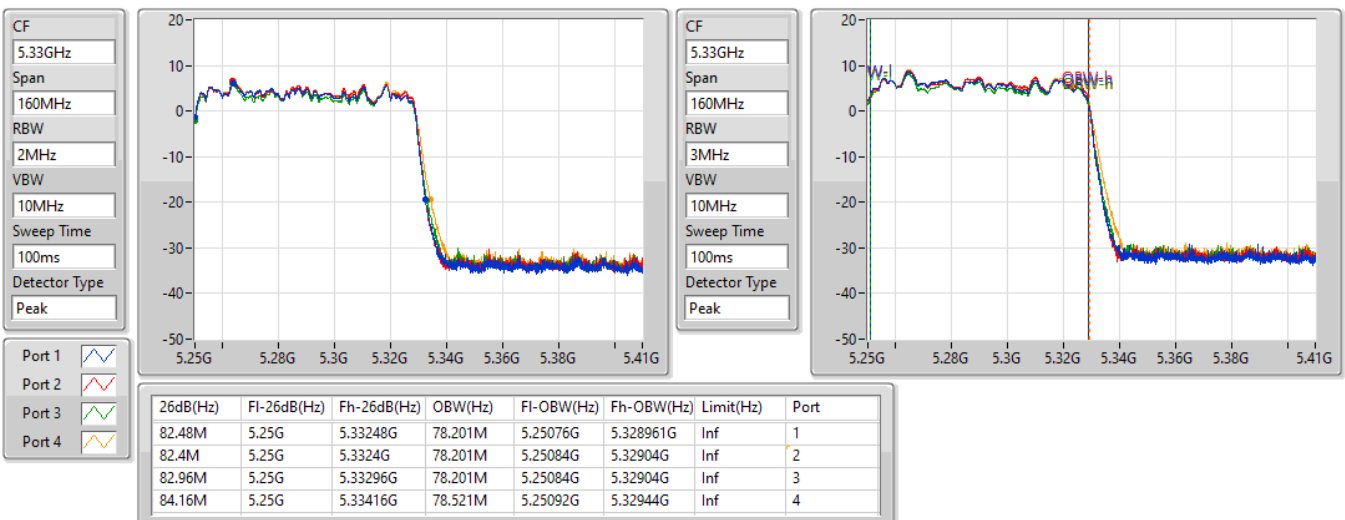


802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

26/02/2022


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

26/02/2022

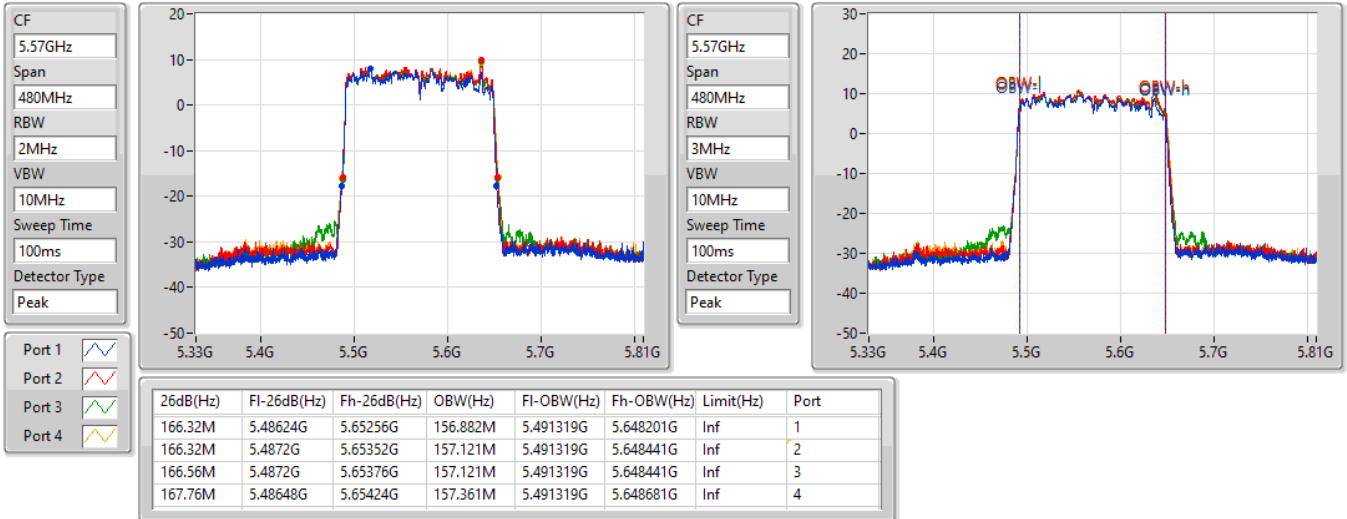


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5570MHz

26/02/2022



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	40.53M	19.37M	19M4D1D	25.44M	19.22M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	48.54M	39.04M	39M0D1D	43.5M	38.561M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	85.32M	78.921M	78M9D1D	83.76M	78.441M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	87.36M	79.48M	79M5D1D	81.92M	78.361M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	26.91M	19.28M	19M3D1D	23.22M	19.13M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	46.56M	38.621M	38M6D1D	42.78M	38.441M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	90.24M	78.321M	78M3D1D	83.16M	78.081M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	86.08M	78.841M	78M8D1D	84.56M	78.761M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	27.9M	19.25M	19M2D1D	23.76M	19.16M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	48.3M	38.681M	38M7D1D	43.08M	38.381M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	87.48M	78.681M	78M7D1D	81.72M	77.961M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	174M	157.361M	157MD1D	161.76M	156.162M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.1M	28.036M	28M0D1D	13.5M	19.46M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	35.46M	40.48M	40M5D1D	32.58M	39.4M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	75.84M	83.958M	84M0D1D	31.68M	77.961M

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

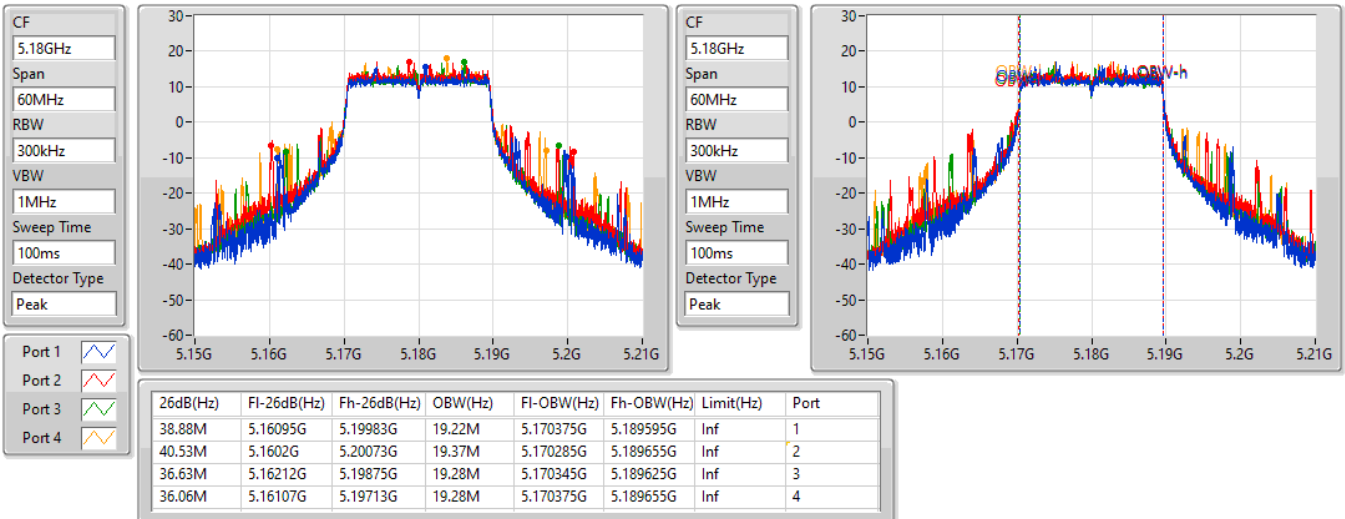
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	38.88M	19.22M	40.53M	19.37M	36.63M	19.28M	36.06M	19.28M
5200MHz	Pass	Inf	26.13M	19.28M	27.24M	19.25M	26.91M	19.34M	25.44M	19.31M
5240MHz	Pass	Inf	37.23M	19.34M	34.62M	19.28M	37.59M	19.34M	30.39M	19.28M
5260MHz	Pass	Inf	26.91M	19.28M	24.6M	19.25M	25.71M	19.25M	23.22M	19.25M
5300MHz	Pass	Inf	26.46M	19.25M	25.77M	19.19M	23.49M	19.25M	23.4M	19.13M
5320MHz	Pass	Inf	26.31M	19.22M	23.88M	19.25M	24.9M	19.19M	24.36M	19.25M
5500MHz	Pass	Inf	27.9M	19.16M	27.33M	19.16M	25.74M	19.22M	25.74M	19.19M
5580MHz	Pass	Inf	24.72M	19.25M	24.48M	19.22M	26.34M	19.22M	23.97M	19.22M
5700MHz	Pass	Inf	23.76M	19.22M	24.66M	19.16M	24.24M	19.22M	25.41M	19.25M
5745MHz	Pass	500k	14.94M	21.349M	15.27M	19.46M	16.98M	21.859M	16.65M	19.58M
5785MHz	Pass	500k	16.59M	20.15M	17.1M	19.82M	13.5M	21.529M	13.71M	19.73M
5825MHz	Pass	500k	15.57M	28.036M	14.73M	26.057M	15.48M	26.237M	15.03M	26.507M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	45.9M	38.681M	47.7M	38.561M	45.24M	38.681M	45.84M	38.621M
5230MHz	Pass	Inf	45.72M	39.04M	47.64M	38.921M	48.54M	38.801M	43.5M	38.981M
5270MHz	Pass	Inf	42.78M	38.501M	44.4M	38.441M	46.56M	38.501M	44.1M	38.561M
5310MHz	Pass	Inf	45.72M	38.621M	45.48M	38.501M	44.04M	38.561M	44.94M	38.561M
5510MHz	Pass	Inf	47.94M	38.501M	46.68M	38.621M	46.44M	38.621M	44.52M	38.681M
5550MHz	Pass	Inf	43.62M	38.501M	46.32M	38.381M	48.3M	38.561M	45.9M	38.501M
5670MHz	Pass	Inf	45.96M	38.621M	43.98M	38.681M	47.82M	38.621M	43.08M	38.681M
5755MHz	Pass	500k	35.46M	40.18M	34.5M	39.58M	35.4M	40.48M	35.04M	39.46M
5795MHz	Pass	500k	33.36M	39.76M	34.2M	39.58M	34.32M	40.36M	32.58M	39.4M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	83.76M	78.801M	84.96M	78.441M	84.12M	78.921M	85.32M	78.681M
5290MHz	Pass	Inf	90.24M	78.201M	87.12M	78.201M	84.6M	78.081M	83.16M	78.321M
5530MHz	Pass	Inf	82.32M	77.961M	87.48M	78.441M	81.72M	78.201M	85.08M	78.081M
5610MHz	Pass	Inf	83.64M	78.681M	84.48M	77.961M	81.96M	78.321M	87.36M	78.441M
5775MHz	Pass	500k	62.04M	83.958M	68.76M	77.961M	31.68M	82.759M	75.84M	78.681M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.92M	78.841M	83.92M	78.441M	87.36M	79.48M	83.44M	78.361M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	85.04M	78.841M	85.28M	78.841M	86.08M	78.761M	84.56M	78.761M
5570MHz	Pass	Inf	174M	156.642M	161.76M	156.162M	165.84M	156.642M	168.72M	157.361M

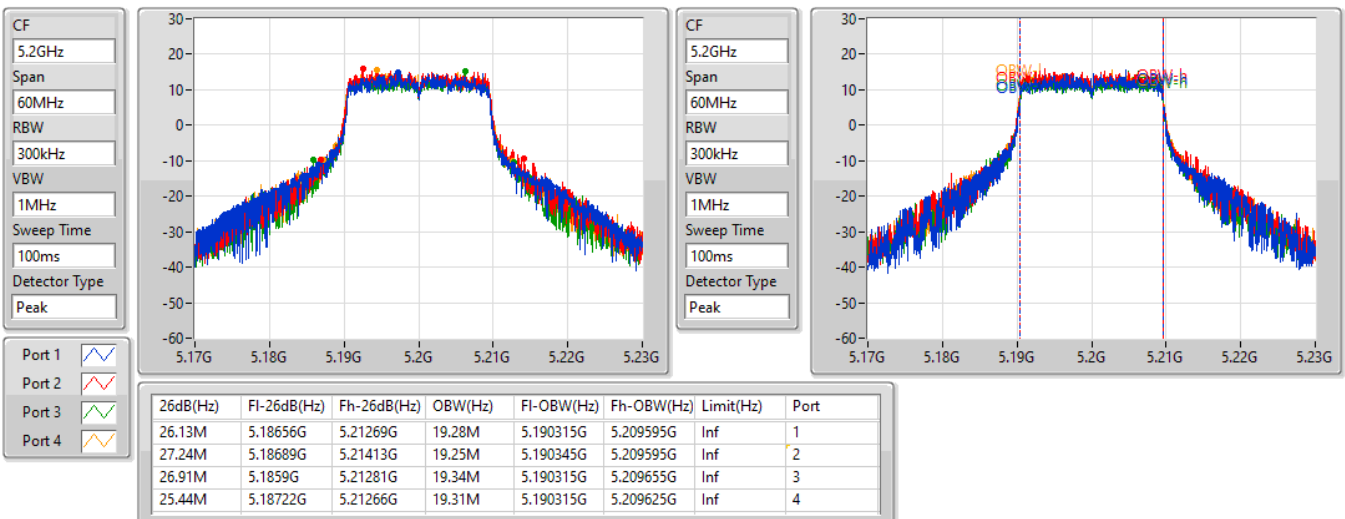
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

27/02/2022

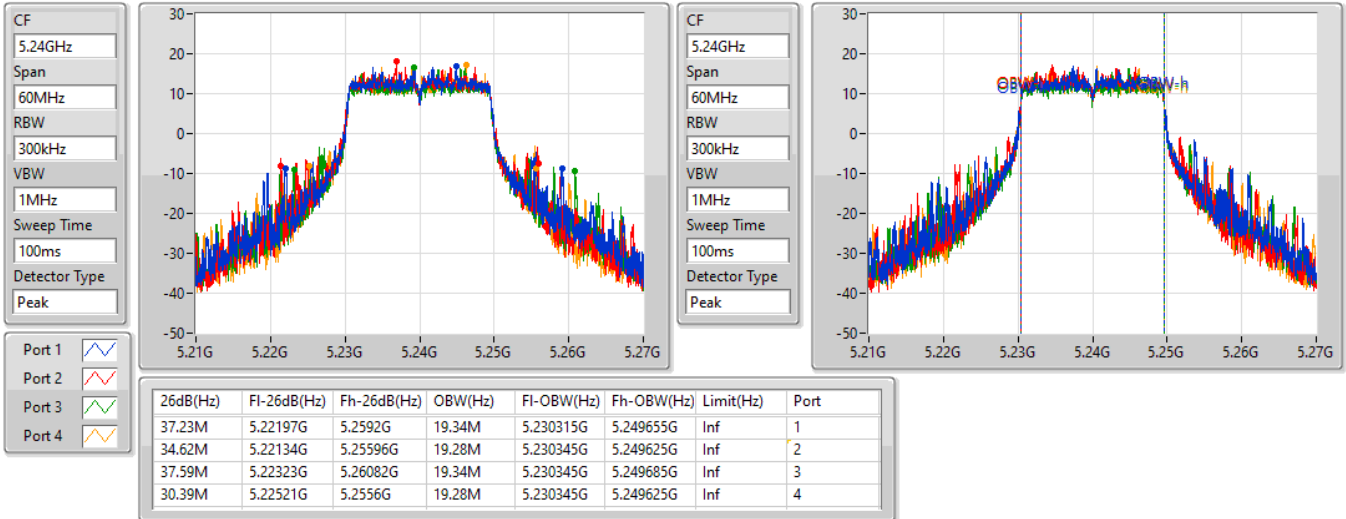

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5200MHz

27/02/2022

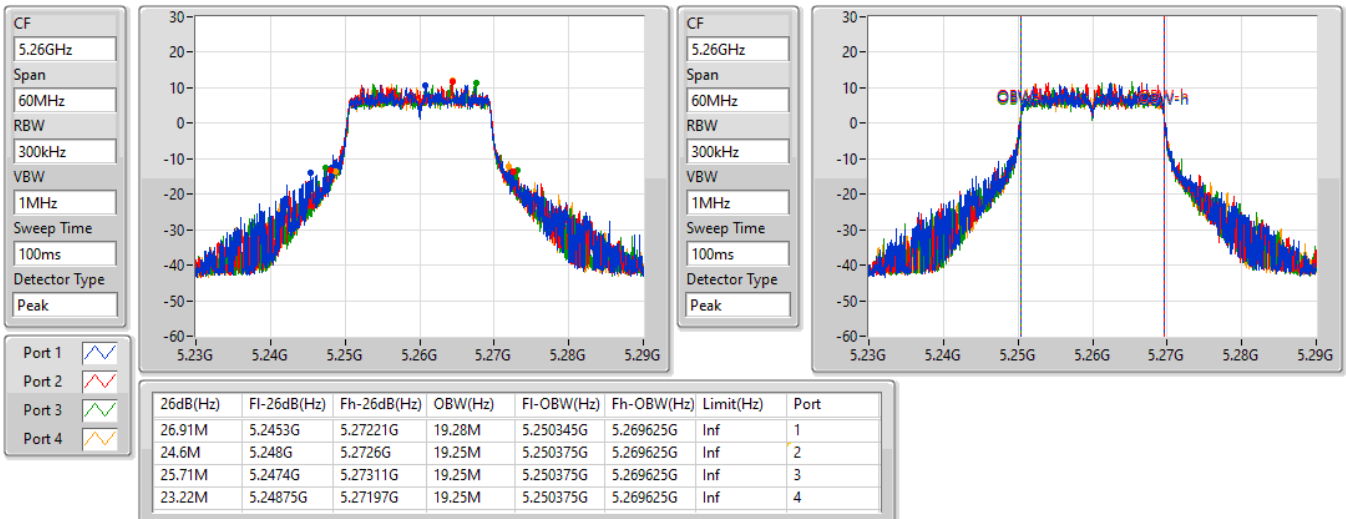


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5240MHz

27/02/2022

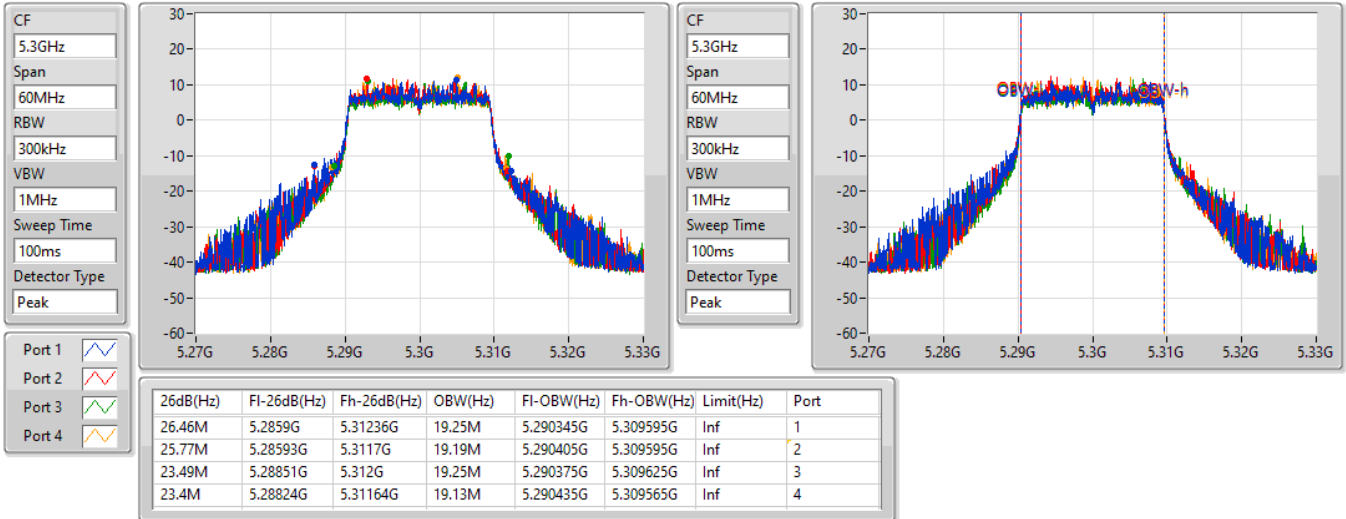

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5260MHz

27/02/2022

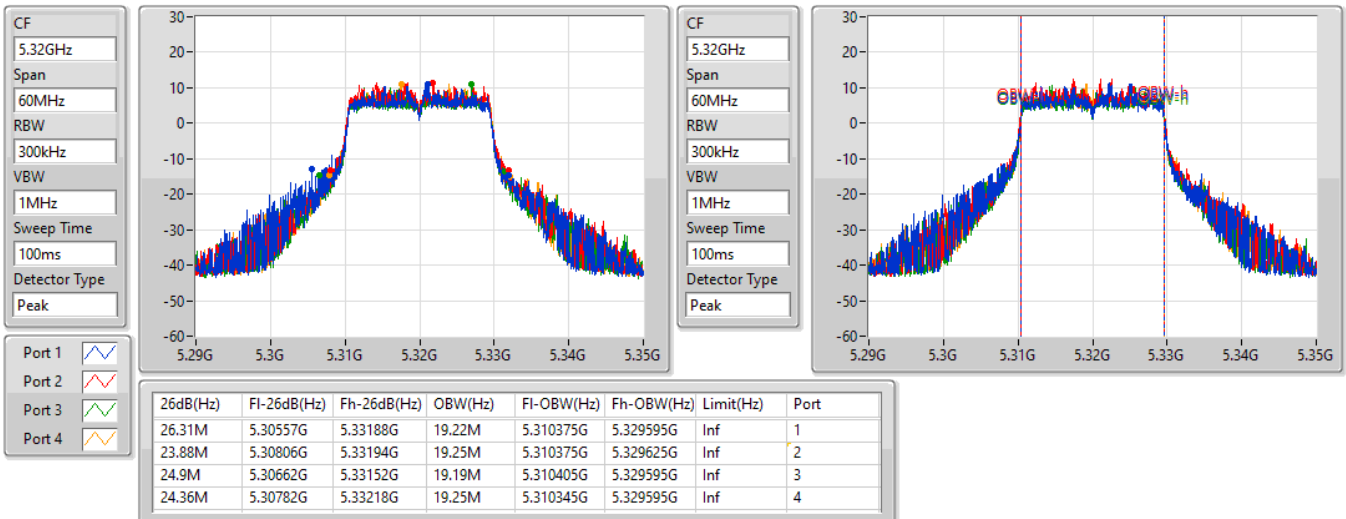


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5300MHz

27/02/2022

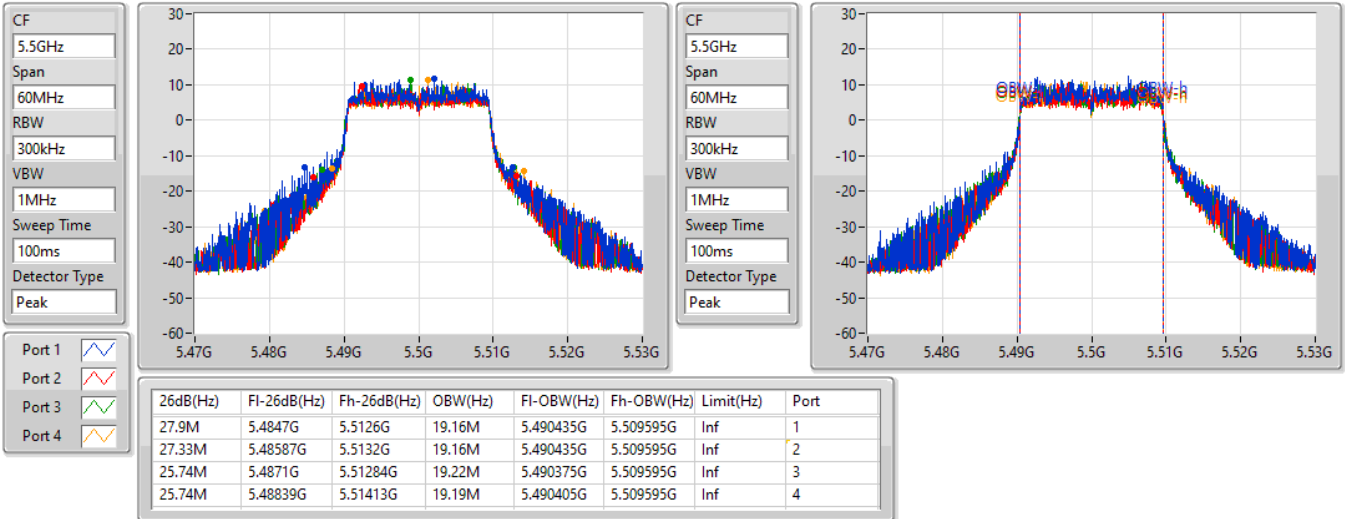

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5320MHz

27/02/2022

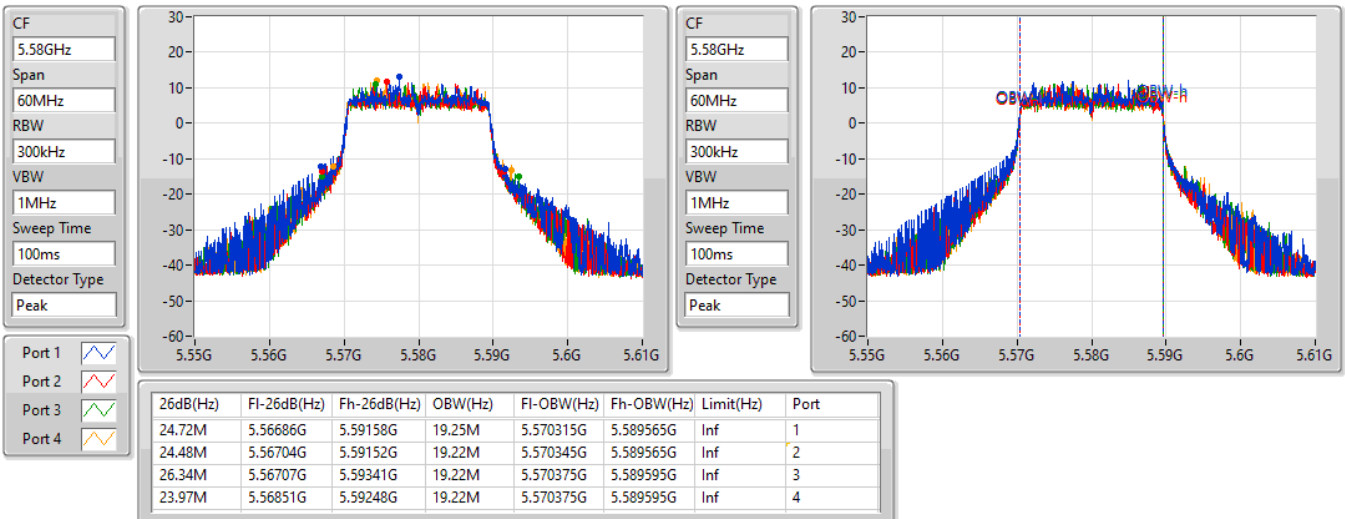


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5500MHz

27/02/2022

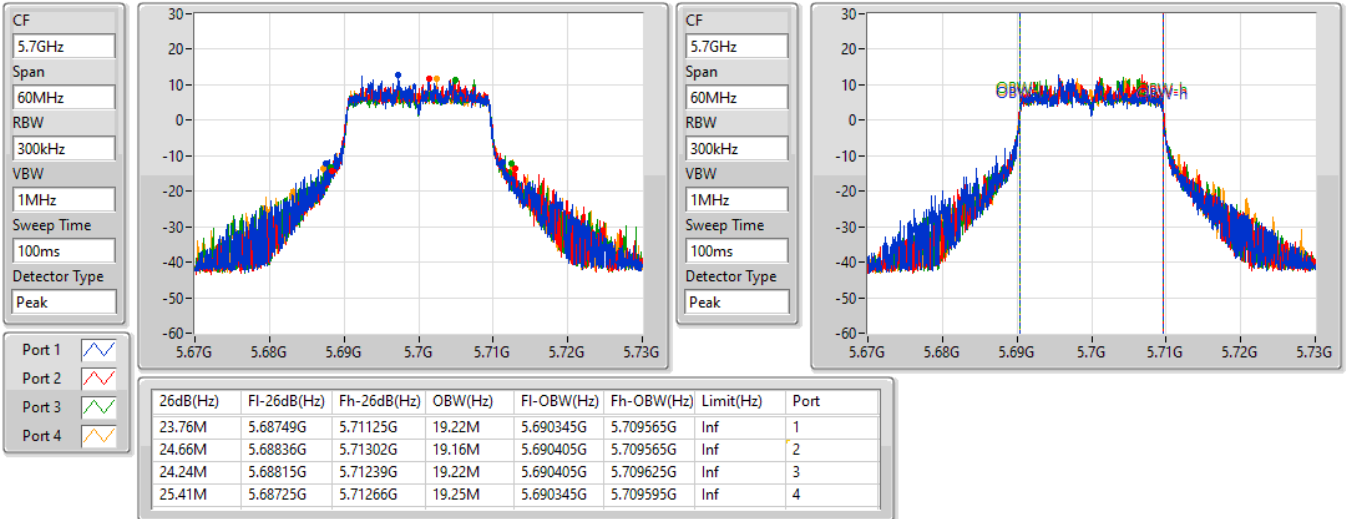

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5580MHz

27/02/2022

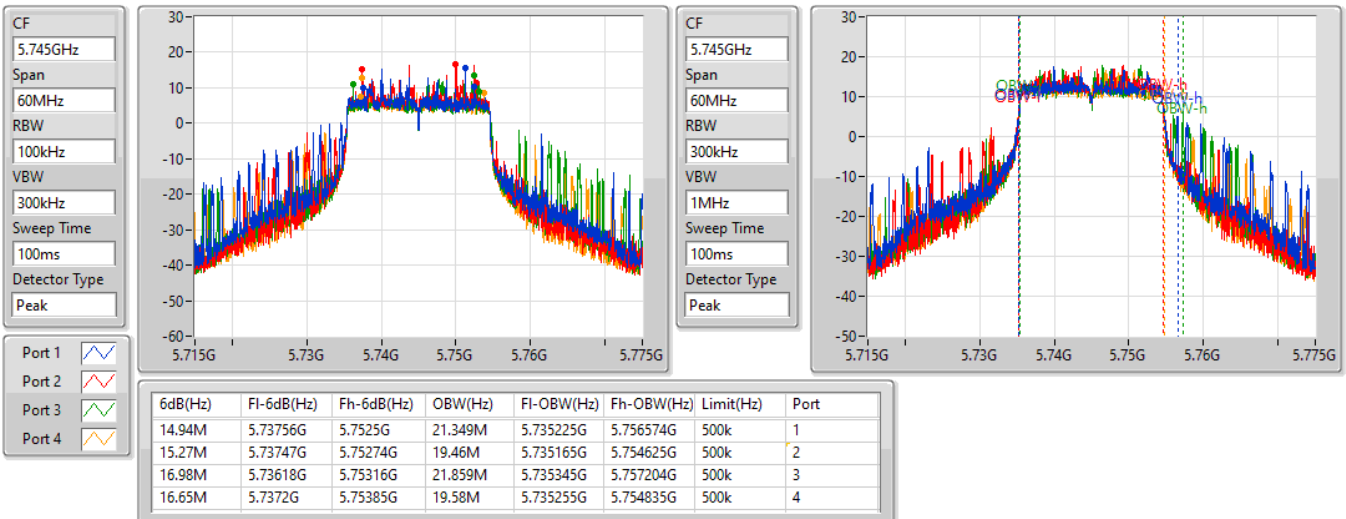


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5700MHz

27/02/2022

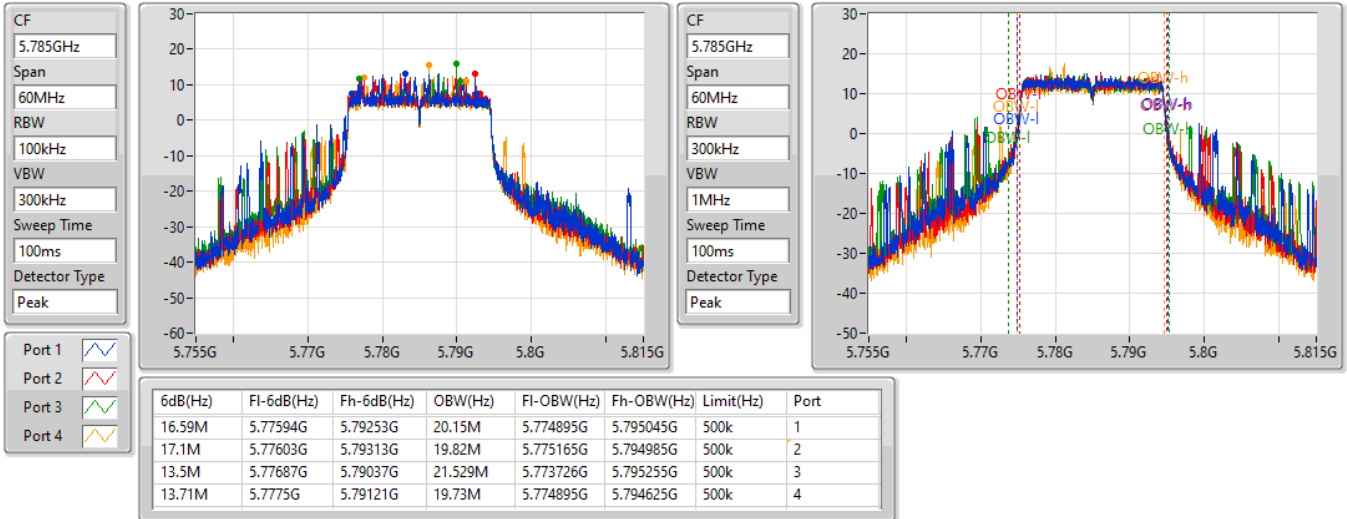

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5745MHz

27/02/2022

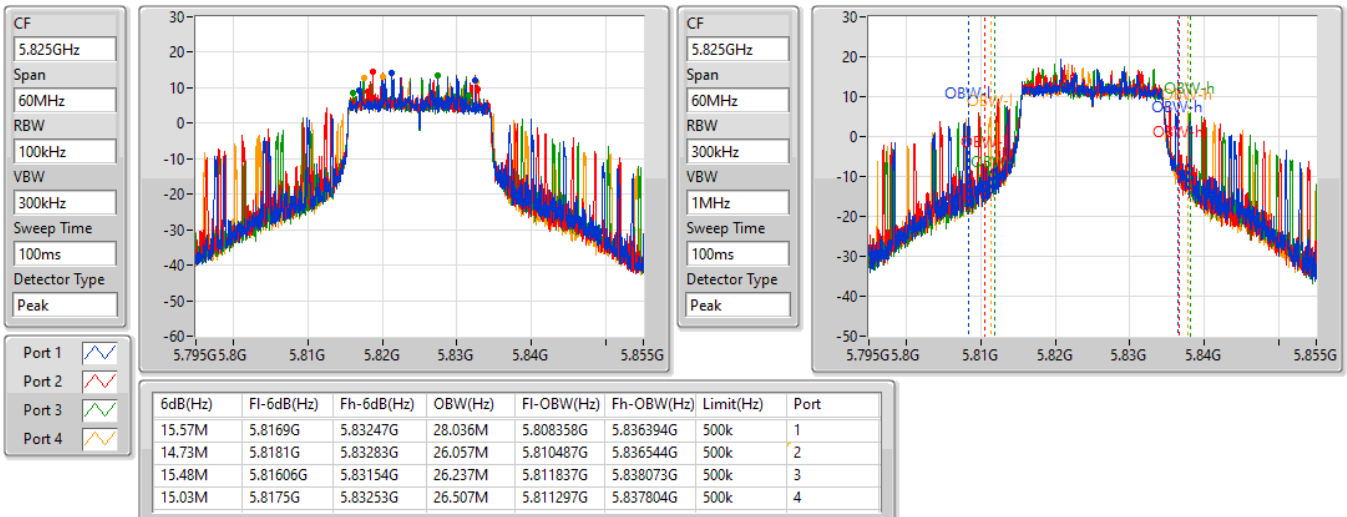


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5785MHz

27/02/2022

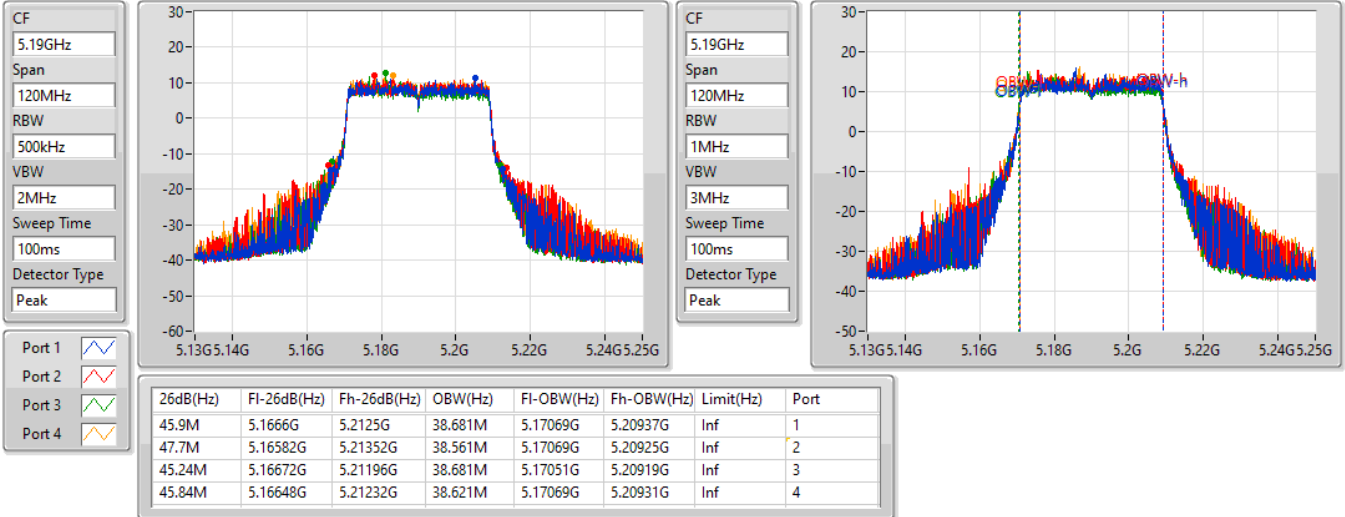

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5825MHz

27/02/2022

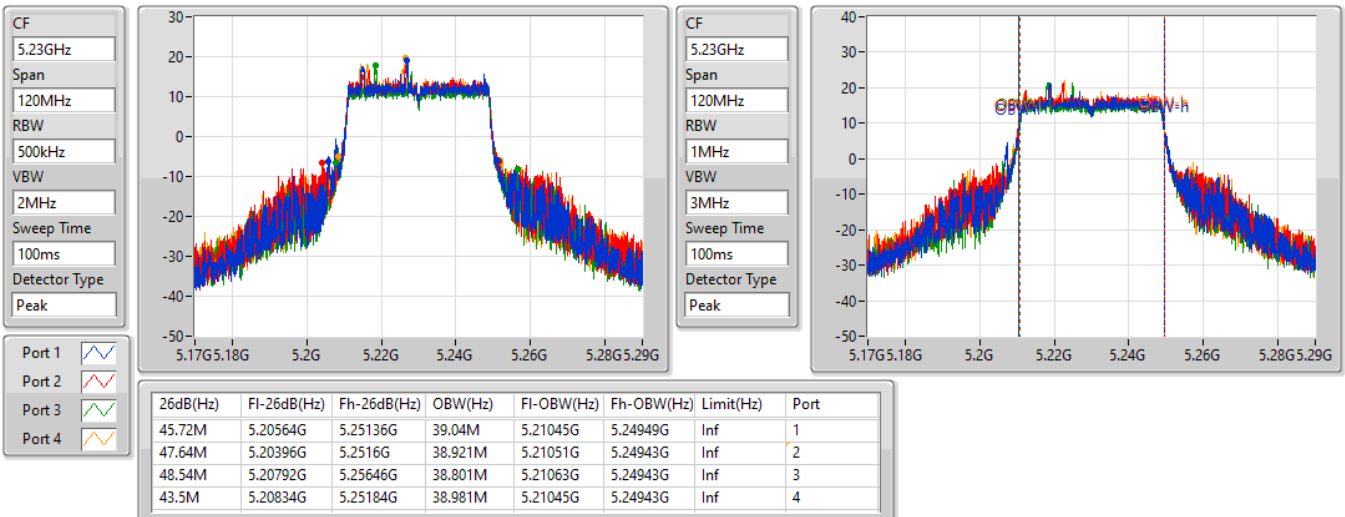


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5190MHz

27/02/2022

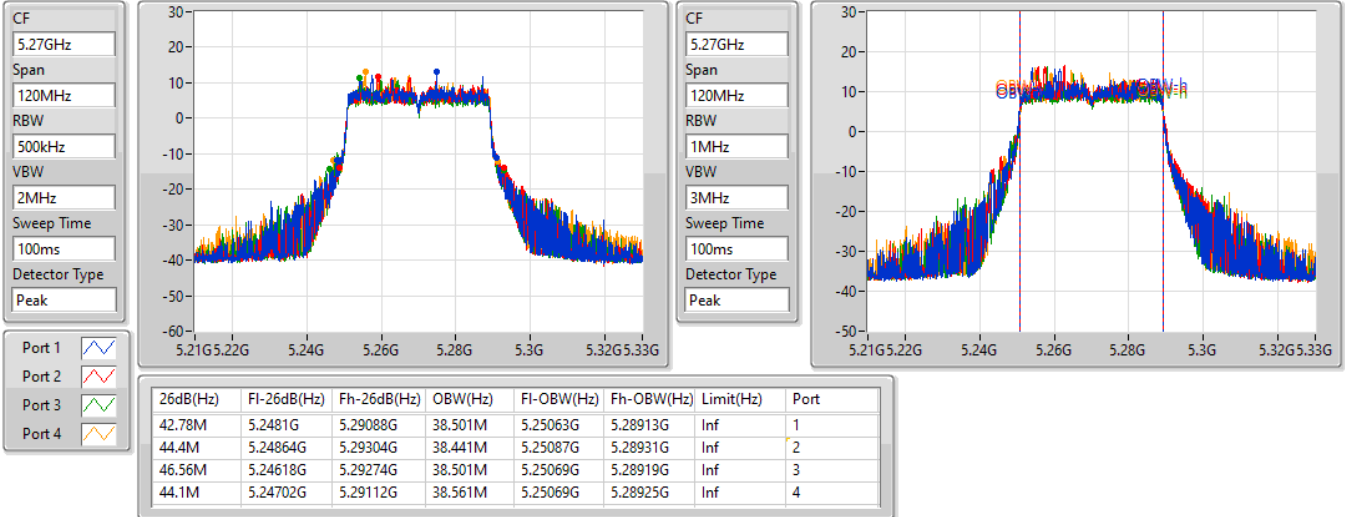

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5230MHz

27/02/2022

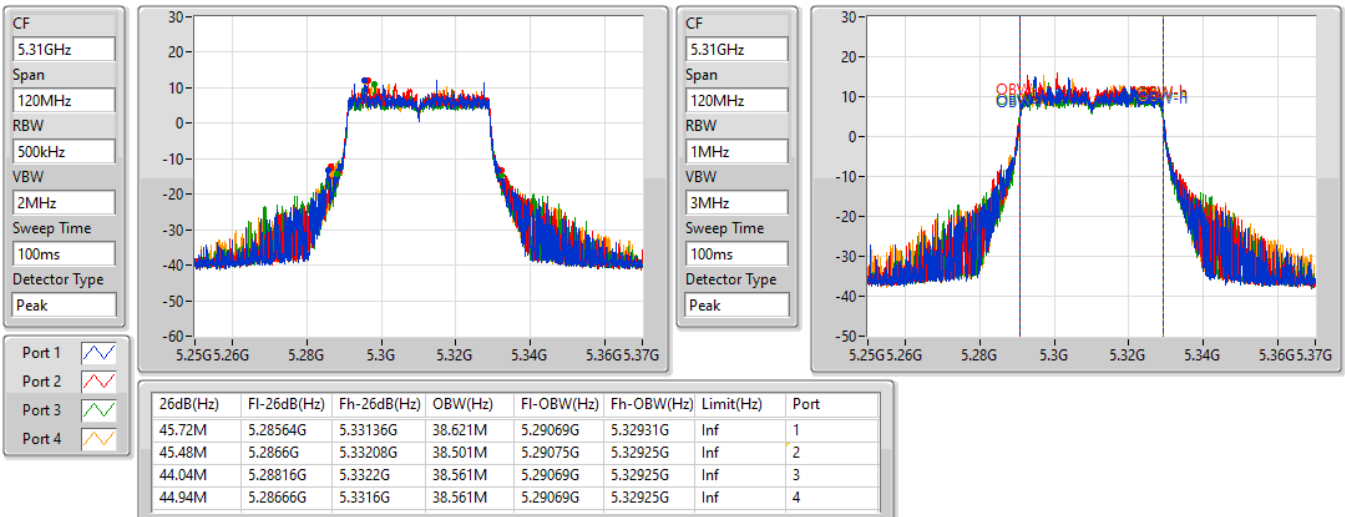


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5270MHz

27/02/2022

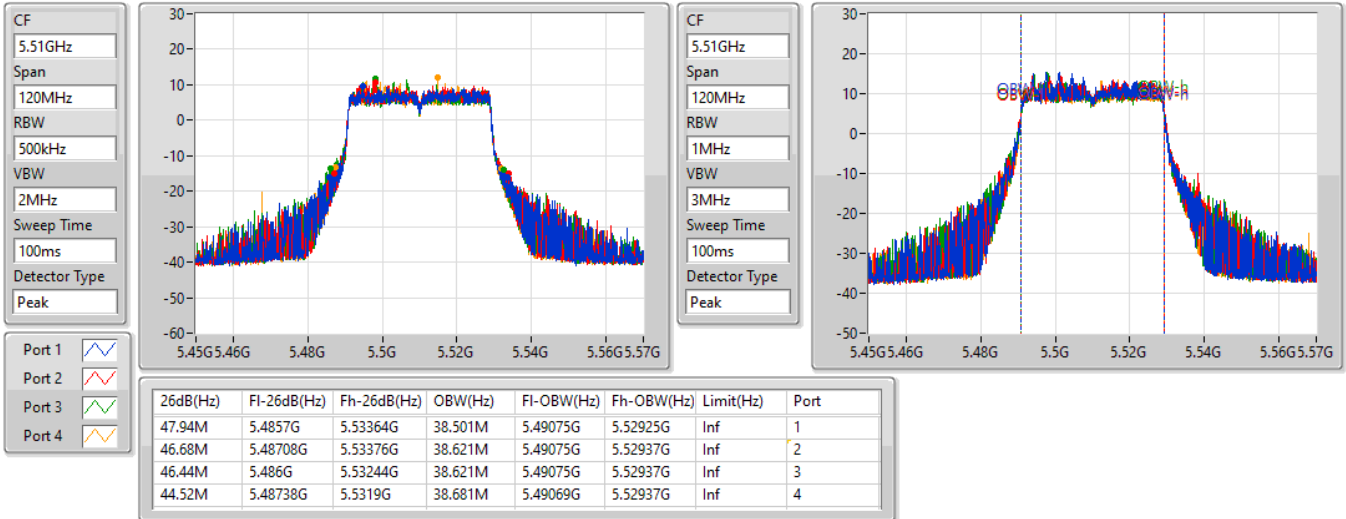

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5310MHz

27/02/2022

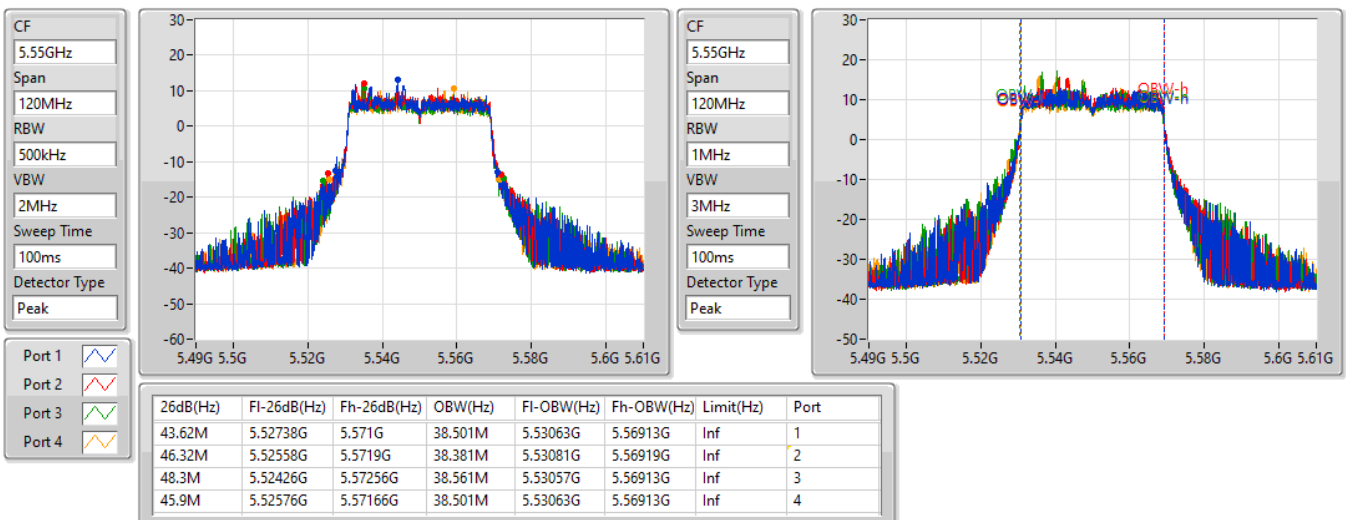


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5510MHz

27/02/2022

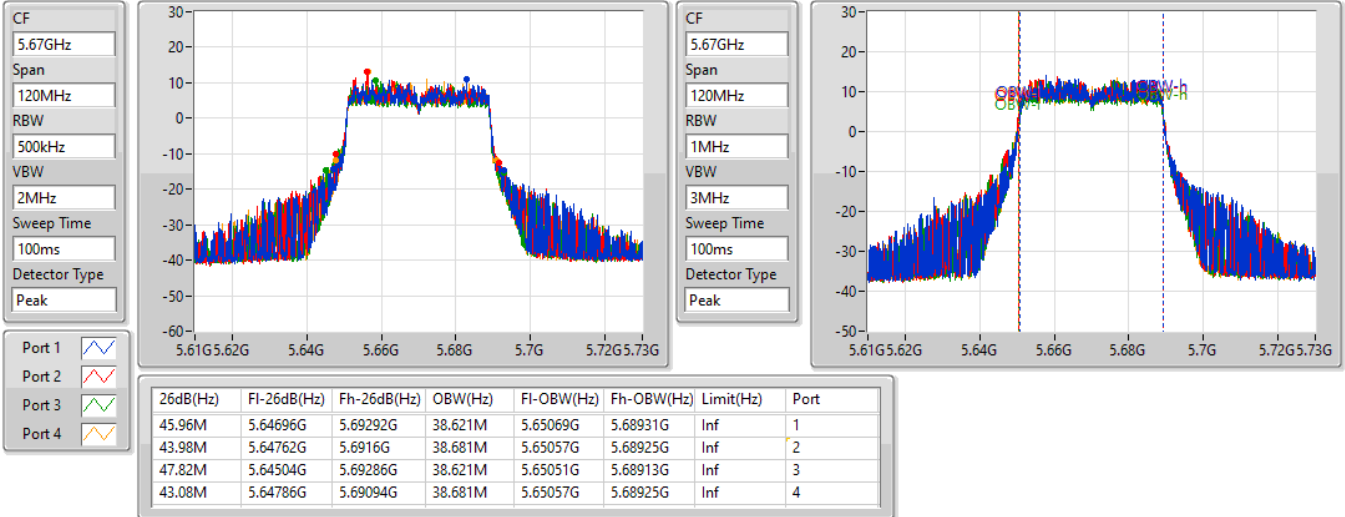

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5550MHz

27/02/2022

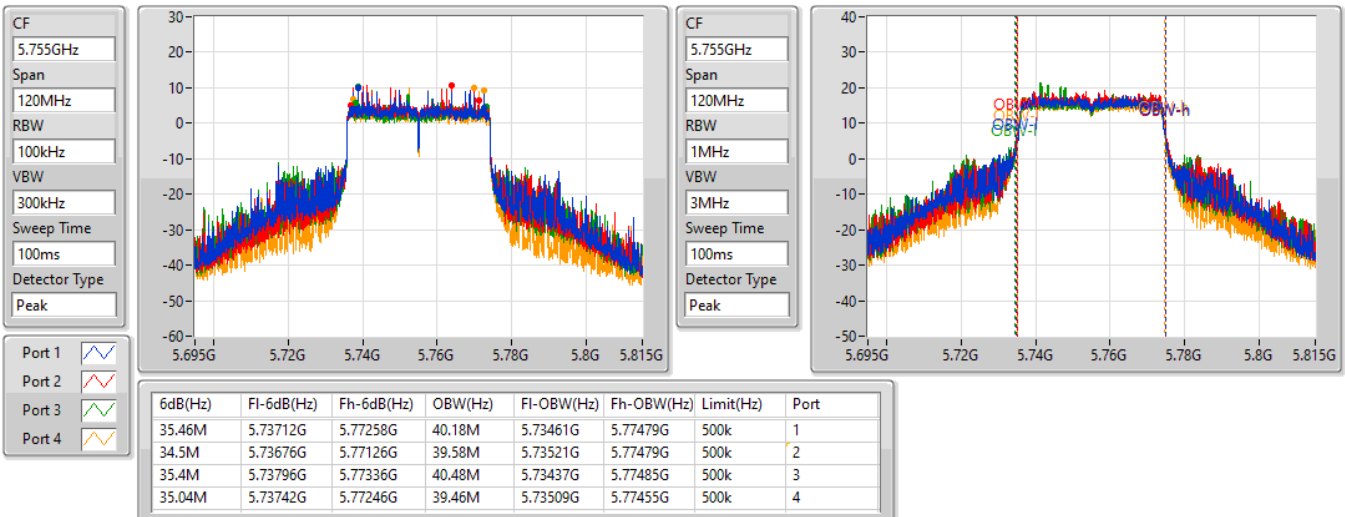


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5670MHz

27/02/2022

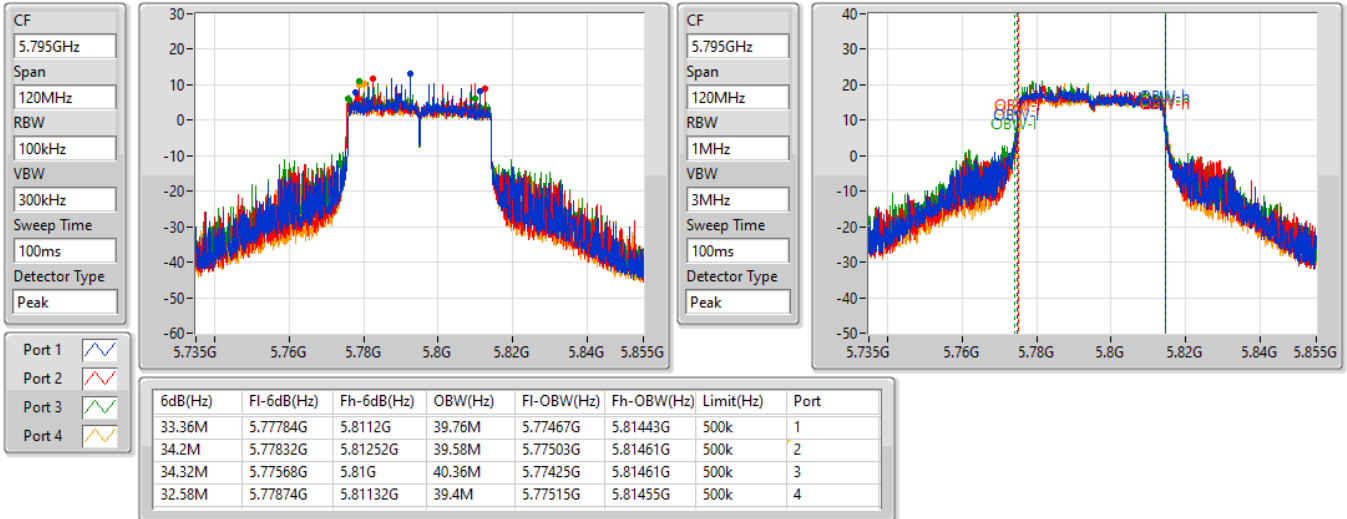

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5755MHz

27/02/2022

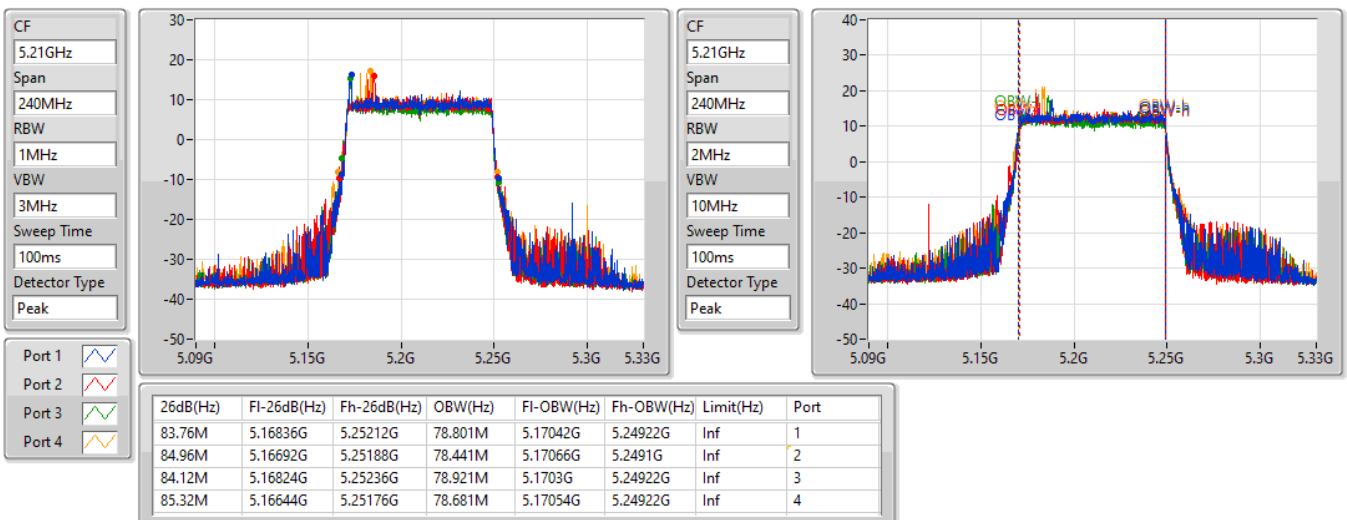


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5795MHz

27/02/2022

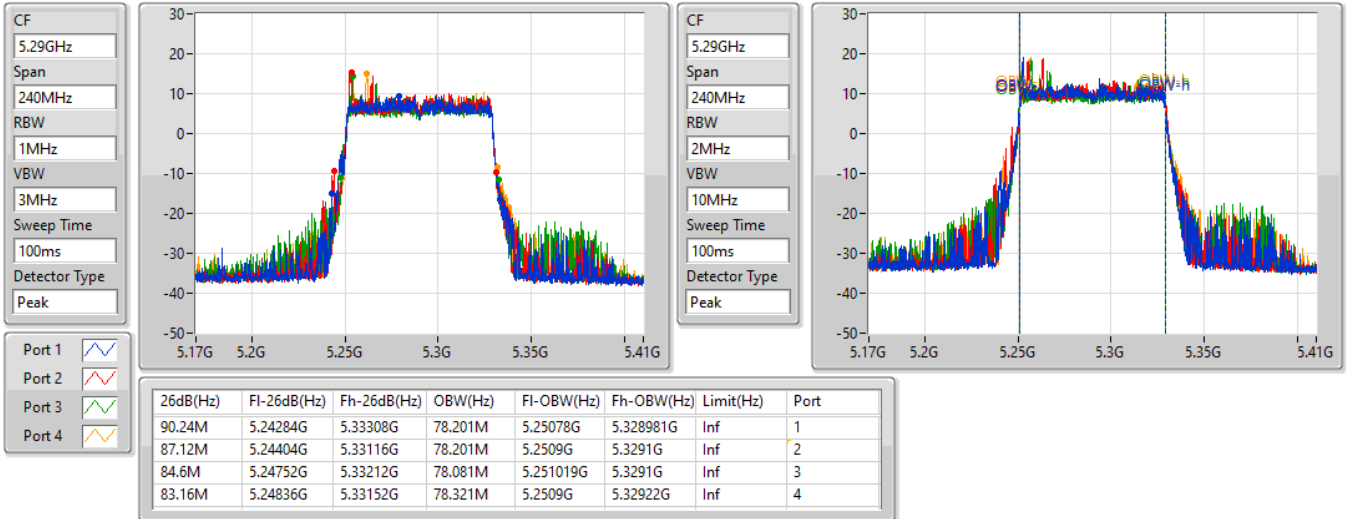

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5210MHz

27/02/2022

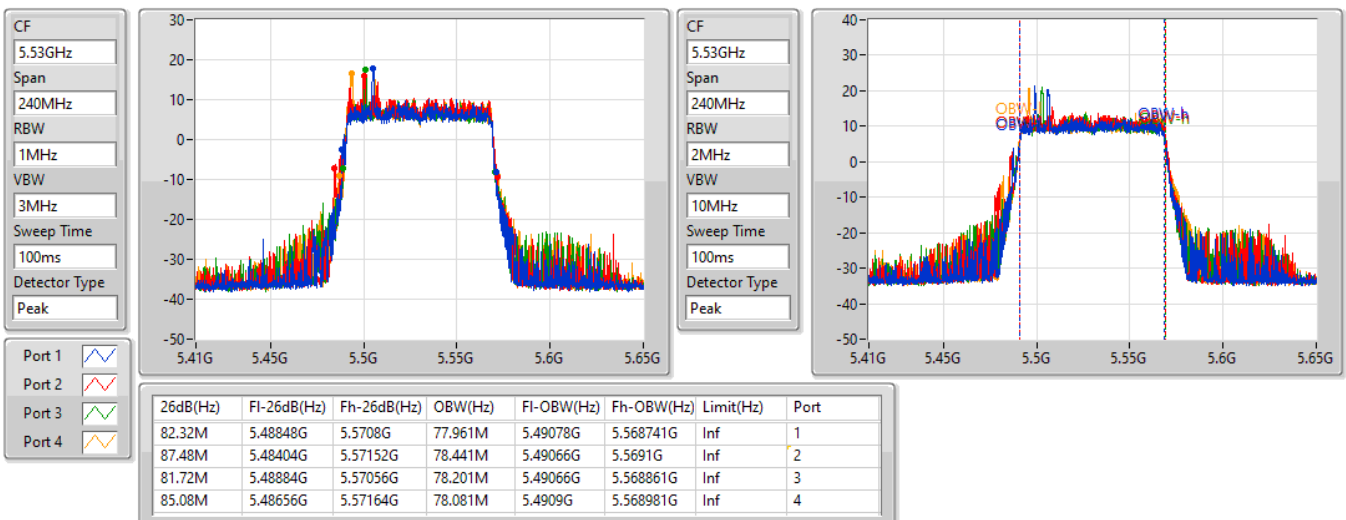


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5290MHz

27/02/2022

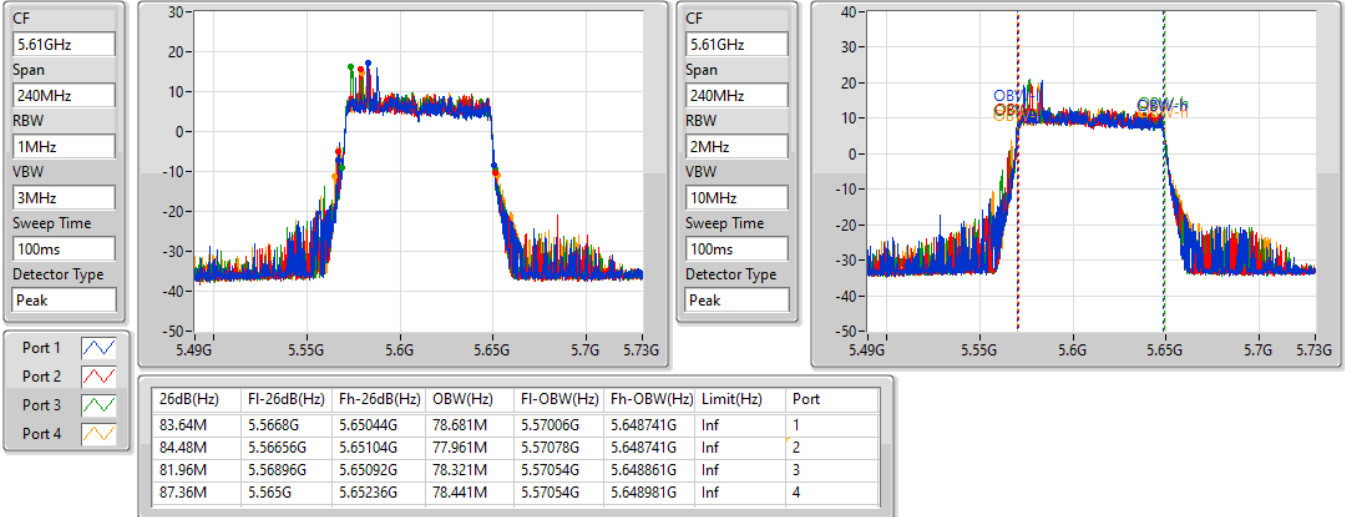

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5530MHz

27/02/2022

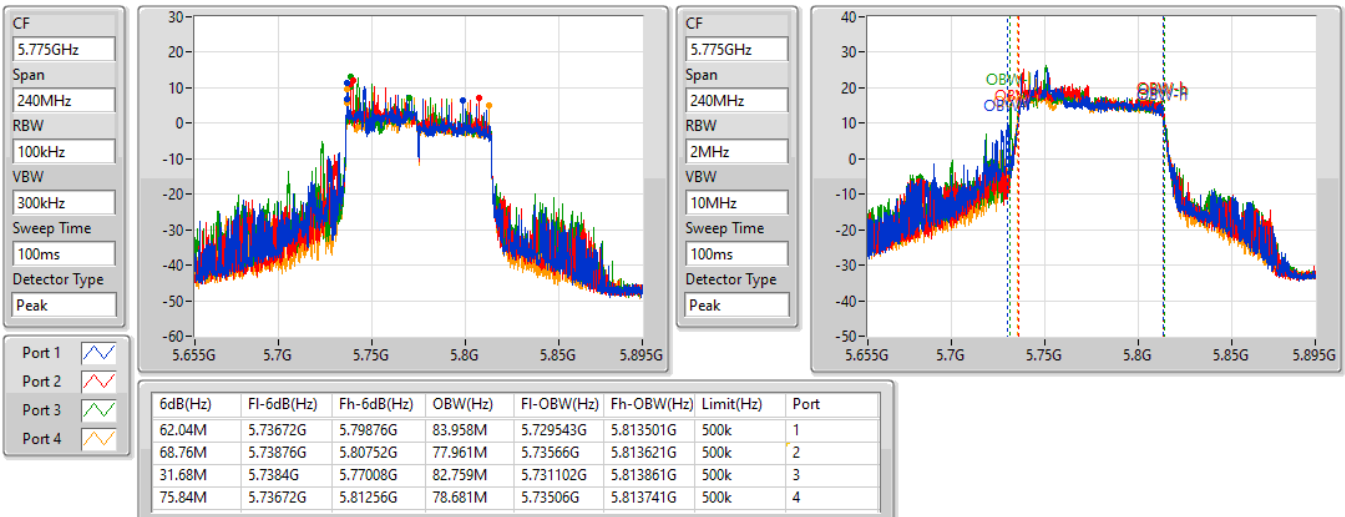


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5610MHz

27/02/2022

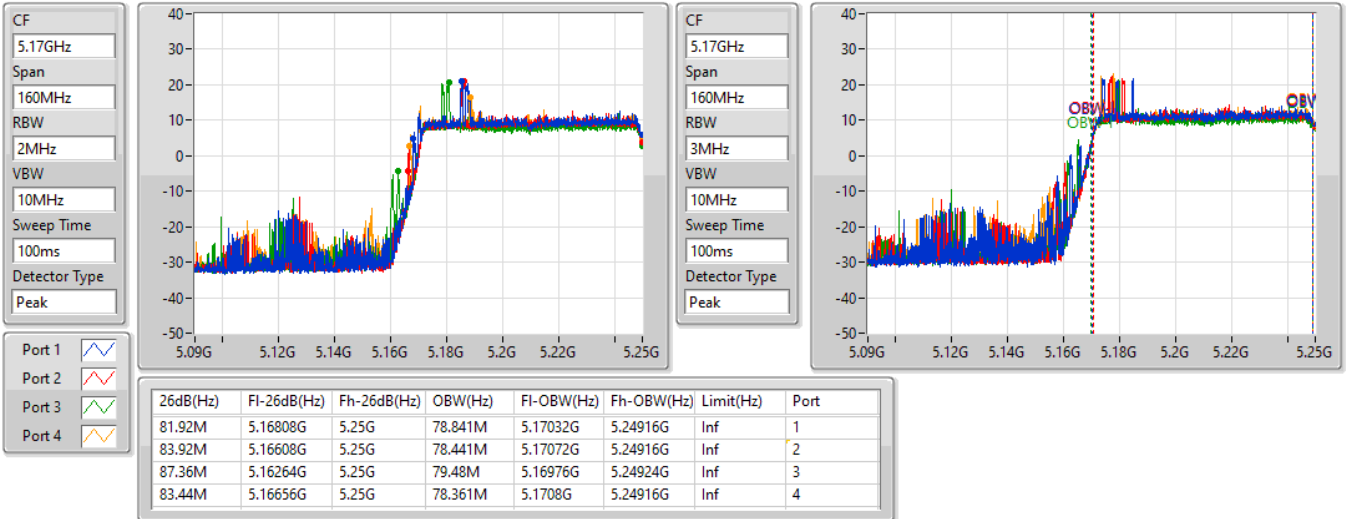

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5775MHz

27/02/2022

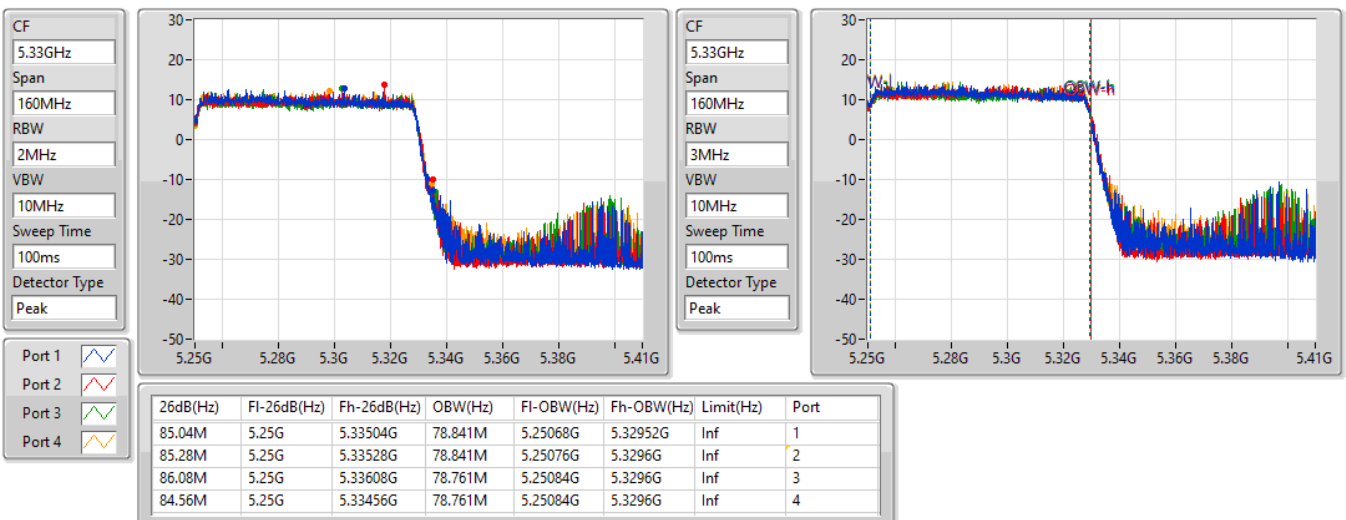


802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

27/02/2022


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

27/02/2022

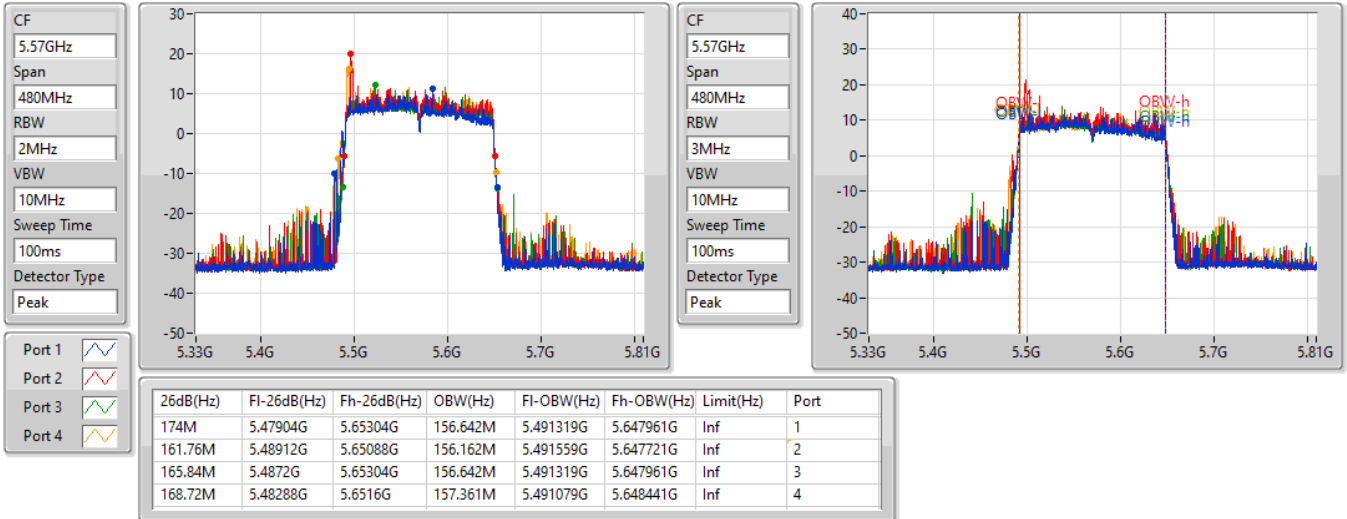


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

27/02/2022



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	27.02	0.50350
802.11ax HEW20_Nss1,(MCS0)_4TX	27.33	0.54075
802.11ax HEW40_Nss1,(MCS0)_4TX	27.68	0.58614
802.11ax HEW80_Nss1,(MCS0)_4TX	20.76	0.11912
802.11ax HEW160_Nss1,(MCS0)_4TX	17.79	0.06012
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	20.90	0.12303
802.11ax HEW20_Nss1,(MCS0)_4TX	21.49	0.14093
802.11ax HEW40_Nss1,(MCS0)_4TX	23.96	0.24889
802.11ax HEW80_Nss1,(MCS0)_4TX	23.46	0.22182
802.11ax HEW160_Nss1,(MCS0)_4TX	18.31	0.06776
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	21.13	0.12972
802.11ax HEW20_Nss1,(MCS0)_4TX	21.37	0.13709
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	23.45	0.22131
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.92	0.98175
802.11ax HEW20_Nss1,(MCS0)_4TX	29.78	0.95060
802.11ax HEW40_Nss1,(MCS0)_4TX	29.89	0.97499
802.11ax HEW80_Nss1,(MCS0)_4TX	26.21	0.41783

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.50	21.06	21.05	20.54	21.30	27.02	30.00
5200MHz	Pass	3.50	20.11	20.98	20.70	21.29	26.81	30.00
5240MHz	Pass	3.50	20.79	21.50	20.44	20.45	26.84	30.00
5260MHz	Pass	3.50	15.01	15.41	14.49	14.56	20.90	23.98
5300MHz	Pass	3.50	14.90	15.30	14.11	14.67	20.79	23.98
5320MHz	Pass	3.50	14.89	15.34	14.61	14.58	20.89	23.98
5500MHz	Pass	3.50	15.59	15.28	14.98	14.52	21.13	23.98
5580MHz	Pass	3.50	15.56	14.65	14.83	14.85	21.01	23.98
5700MHz	Pass	3.50	11.74	11.54	11.25	11.60	17.56	23.98
5745MHz	Pass	3.50	23.24	23.96	23.44	23.87	29.66	30.00
5785MHz	Pass	3.50	24.06	23.96	23.48	24.08	29.92	30.00
5825MHz	Pass	3.50	23.74	24.03	23.53	23.57	29.74	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.50	19.18	19.64	19.35	19.95	25.56	30.00
5200MHz	Pass	3.50	21.32	21.21	20.36	21.04	27.02	30.00
5240MHz	Pass	3.50	21.32	21.87	20.85	21.12	27.33	30.00
5260MHz	Pass	3.50	15.49	14.52	15.01	15.96	21.30	23.98
5300MHz	Pass	3.50	15.42	15.89	14.76	15.73	21.49	23.98
5320MHz	Pass	3.50	15.38	16.14	15.11	14.78	21.40	23.98
5500MHz	Pass	3.50	15.73	15.38	15.13	15.15	21.37	23.98
5580MHz	Pass	3.50	15.53	15.12	14.36	15.25	21.11	23.98
5700MHz	Pass	3.50	15.37	15.61	14.86	15.19	21.29	23.98
5745MHz	Pass	3.50	23.38	24.07	23.65	23.76	29.74	30.00
5785MHz	Pass	3.50	23.84	23.86	23.39	23.93	29.78	30.00
5825MHz	Pass	3.50	23.60	23.97	23.51	23.45	29.66	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.50	15.65	16.28	15.43	16.07	21.89	30.00
5230MHz	Pass	3.50	21.34	22.03	21.28	21.94	27.68	30.00
5270MHz	Pass	3.50	17.91	17.95	17.40	17.93	23.82	23.98
5310MHz	Pass	3.50	17.82	18.22	17.39	18.28	23.96	23.98
5510MHz	Pass	3.50	17.75	17.35	17.67	17.46	23.58	23.98
5550MHz	Pass	3.50	18.04	17.81	17.38	17.49	23.71	23.98
5670MHz	Pass	3.50	17.95	17.76	17.88	18.13	23.95	23.98
5755MHz	Pass	3.50	23.16	23.32	23.29	23.14	29.25	30.00
5795MHz	Pass	3.50	23.84	24.17	23.78	23.66	29.89	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.50	15.03	14.78	14.22	14.89	20.76	30.00
5290MHz	Pass	3.50	17.42	17.66	17.01	17.62	23.46	23.98
5530MHz	Pass	3.50	18.13	18.27	17.65	17.68	23.96	23.98
5610MHz	Pass	3.50	17.83	18.05	17.67	17.47	23.78	23.98
5775MHz	Pass	3.50	20.15	20.29	20.11	20.22	26.21	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.50	11.89	12.21	11.07	11.81	17.79	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.50	12.28	12.53	11.81	12.50	18.31	23.98
5570MHz	Pass	3.50	16.97	17.73	17.42	17.55	23.45	23.98

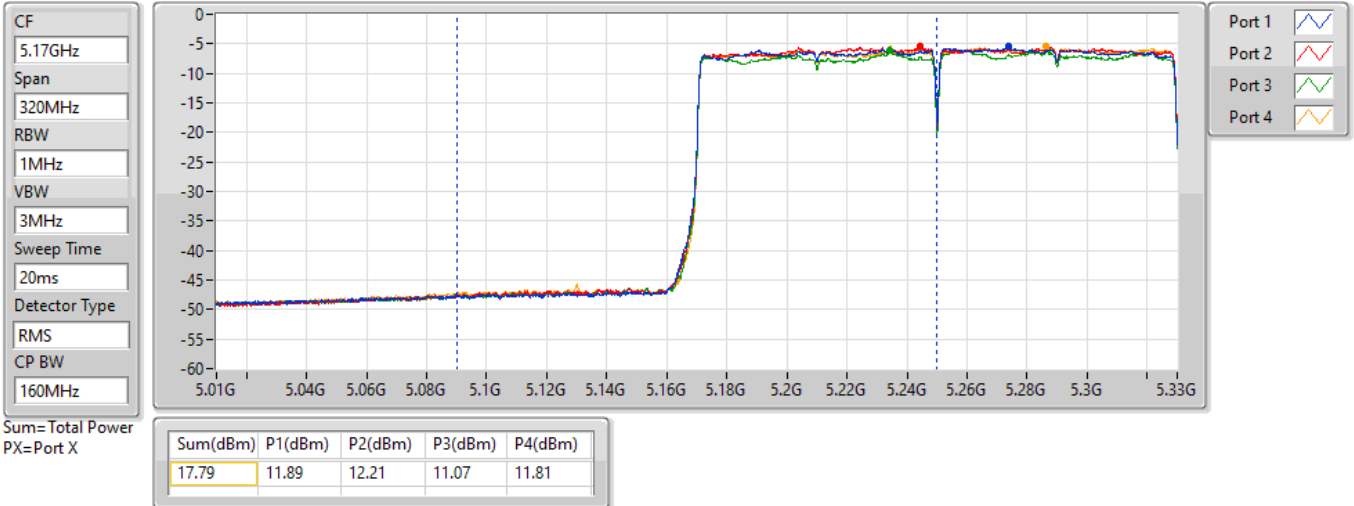
DG = Directional Gain; Port X = Port X output power

802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

26/02/2022

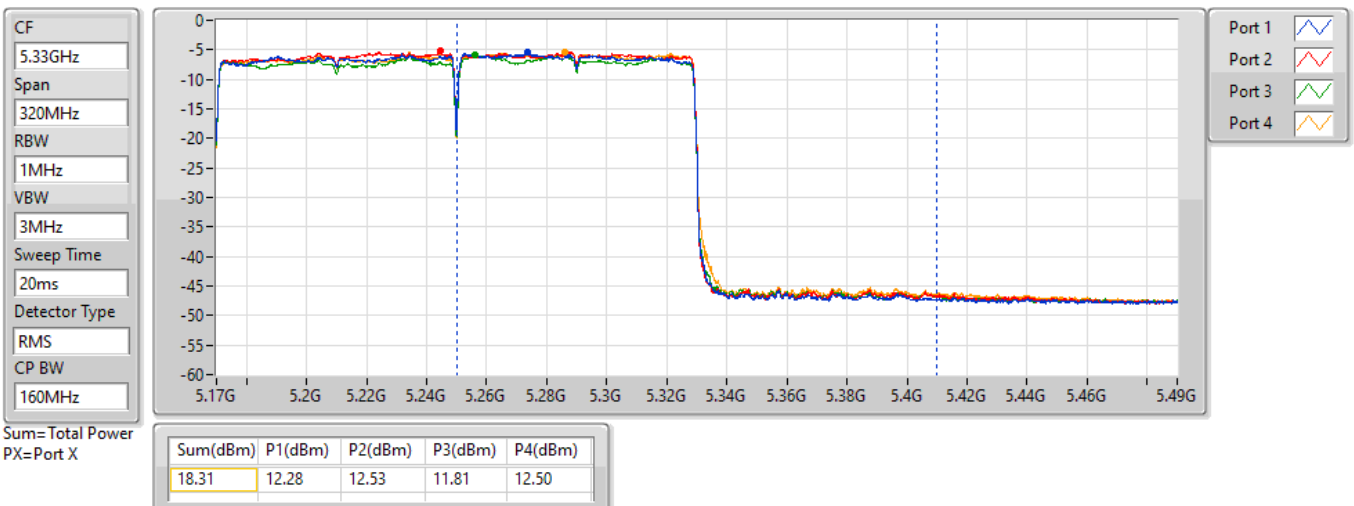


802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

26/02/2022



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	27.05	0.50699
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	27.06	0.50816
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.41	0.21928
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	20.56	0.11376
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.08	0.12823
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	21.14	0.13002
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	21.19	0.13152
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	21.10	0.12882
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.17	0.13092
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	21.18	0.13122
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	20.95	0.12445
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	20.92	0.12359
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	27.18	0.52240
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	26.98	0.49888
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	26.91	0.49091

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.76	20.93	20.76	20.39	21.07	26.82	27.24
5200MHz	Pass	8.76	20.84	21.18	20.72	20.96	26.95	27.24
5240MHz	Pass	8.76	21.05	21.49	20.63	20.91	27.05	27.24
5260MHz	Pass	8.76	15.06	15.32	14.81	14.89	21.05	21.22
5300MHz	Pass	8.76	15.17	15.46	14.63	14.92	21.08	21.22
5320MHz	Pass	8.76	14.59	15.52	14.58	15.05	20.97	21.22
5500MHz	Pass	8.76	15.12	14.59	14.81	14.73	20.84	21.22
5580MHz	Pass	8.76	15.25	14.87	14.98	14.85	21.01	21.22
5700MHz	Pass	8.76	14.87	15.38	15.03	15.29	21.17	21.22
5745MHz	Pass	8.76	21.02	21.34	20.67	20.76	26.98	27.24
5785MHz	Pass	8.76	21.41	21.37	21.25	20.57	27.18	27.24
5825MHz	Pass	8.76	20.52	20.99	20.86	20.82	26.82	27.24
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.76	16.94	17.19	16.57	17.32	23.03	27.24
5230MHz	Pass	8.76	20.98	21.45	20.37	21.27	27.06	27.24
5270MHz	Pass	8.76	15.25	15.33	14.64	15.02	21.09	21.22
5310MHz	Pass	8.76	15.12	15.43	14.74	15.16	21.14	21.22
5510MHz	Pass	8.76	14.93	15.16	14.85	14.79	20.96	21.22
5550MHz	Pass	8.76	14.98	15.25	14.71	14.53	20.90	21.22
5670MHz	Pass	8.76	15.24	15.47	14.77	15.11	21.18	21.22
5755MHz	Pass	8.76	20.97	21.28	20.82	20.35	26.89	27.24
5795MHz	Pass	8.76	21.19	20.82	21.29	20.50	26.98	27.24
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.76	17.61	17.56	16.68	17.65	23.41	27.24
5290MHz	Pass	8.76	15.23	15.42	14.84	15.17	21.19	21.22
5530MHz	Pass	8.76	14.21	15.34	14.87	14.79	20.84	21.22
5610MHz	Pass	8.76	14.66	14.86	15.06	15.14	20.95	21.22
5775MHz	Pass	8.76	20.79	21.15	20.94	20.65	26.91	27.24
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.76	14.82	14.69	13.97	14.62	20.56	27.24
5250MHz Straddle 5.25-5.35GHz	Pass	8.76	15.20	15.11	14.81	15.18	21.10	21.22
5570MHz	Pass	8.76	14.43	15.26	14.96	14.91	20.92	21.22

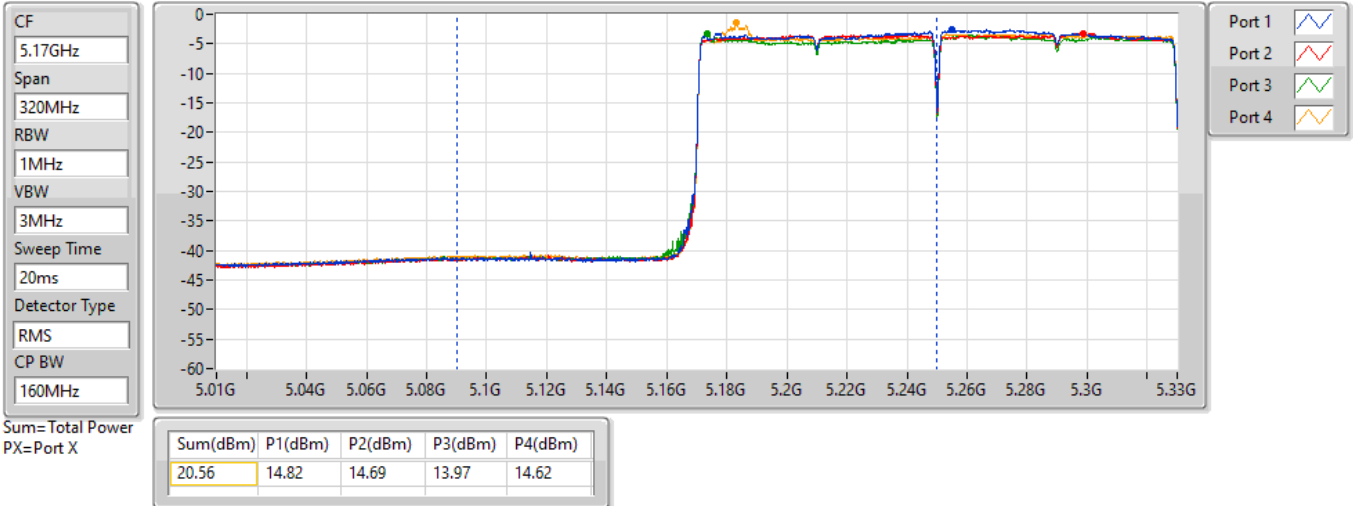
DG = Directional Gain; Port X = Port X output power

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

27/02/2022

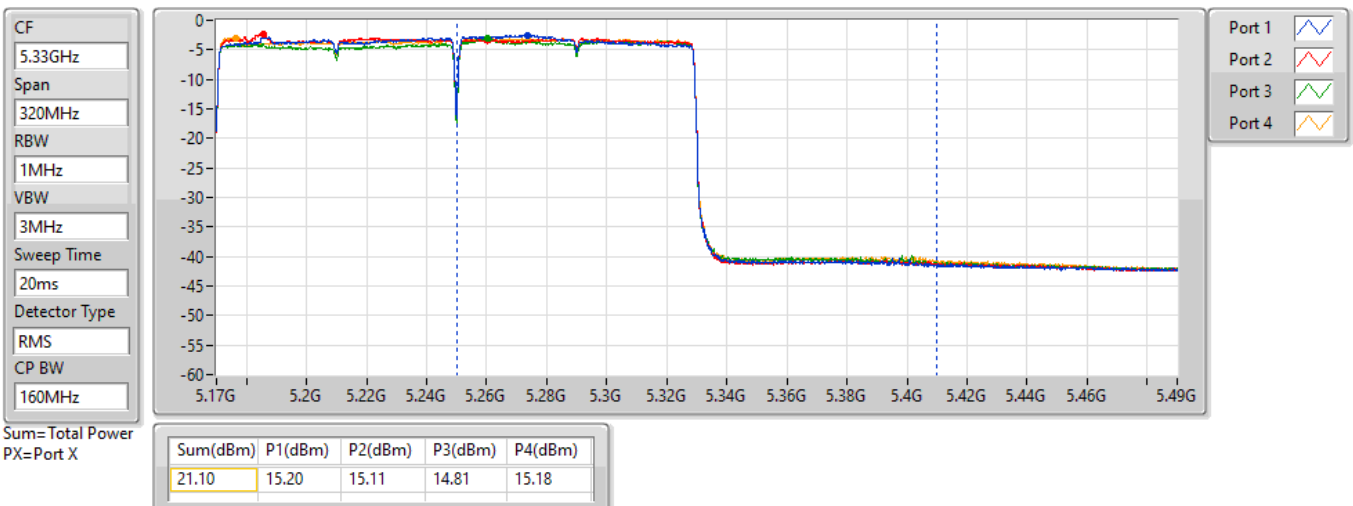


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

27/02/2022



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	13.93
802.11ax HEW20_Nss1,(MCS0)_4TX	13.96
802.11ax HEW40_Nss1,(MCS0)_4TX	12.12
802.11ax HEW80_Nss1,(MCS0)_4TX	1.52
802.11ax HEW160_Nss1,(MCS0)_4TX	-1.13
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	7.97
802.11ax HEW20_Nss1,(MCS0)_4TX	8.08
802.11ax HEW40_Nss1,(MCS0)_4TX	8.19
802.11ax HEW80_Nss1,(MCS0)_4TX	4.46
802.11ax HEW160_Nss1,(MCS0)_4TX	-1.11
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	8.01
802.11ax HEW20_Nss1,(MCS0)_4TX	7.95
802.11ax HEW40_Nss1,(MCS0)_4TX	7.64
802.11ax HEW80_Nss1,(MCS0)_4TX	5.09
802.11ax HEW160_Nss1,(MCS0)_4TX	1.98
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.34
802.11ax HEW20_Nss1,(MCS0)_4TX	15.05
802.11ax HEW40_Nss1,(MCS0)_4TX	12.78
802.11ax HEW80_Nss1,(MCS0)_4TX	5.79

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	8.76	8.23	8.01	7.75	8.34	13.93	14.24
5200MHz	Pass	8.76	7.40	8.08	8.06	8.39	13.83	14.24
5240MHz	Pass	8.76	8.24	8.56	7.67	7.45	13.88	14.24
5260MHz	Pass	8.76	2.12	2.42	1.51	1.65	7.83	8.24
5300MHz	Pass	8.76	2.04	2.41	1.51	1.87	7.82	8.24
5320MHz	Pass	8.76	1.71	2.68	2.08	1.94	7.97	8.24
5500MHz	Pass	8.76	2.60	2.15	2.25	1.28	7.98	8.24
5580MHz	Pass	8.76	3.02	1.67	1.91	2.02	8.01	8.24
5700MHz	Pass	8.76	-1.09	-1.51	-1.80	-1.56	4.34	8.24
5745MHz	Pass	8.76	9.13	9.80	9.74	9.41	15.13	27.24
5785MHz	Pass	8.76	9.80	9.65	9.21	9.42	15.34	27.24
5825MHz	Pass	8.76	9.36	10.20	9.63	9.16	15.25	27.24
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.76	5.88	6.20	5.87	6.54	11.98	14.24
5200MHz	Pass	8.76	8.07	8.33	7.36	7.98	13.89	14.24
5240MHz	Pass	8.76	8.14	8.80	7.97	7.69	13.96	14.24
5260MHz	Pass	8.76	2.43	0.92	1.58	2.71	7.87	8.24
5300MHz	Pass	8.76	2.26	2.64	1.69	2.54	8.08	8.24
5320MHz	Pass	8.76	2.02	2.93	1.57	1.23	7.98	8.24
5500MHz	Pass	8.76	2.35	2.07	1.78	1.94	7.85	8.24
5580MHz	Pass	8.76	2.67	1.66	1.01	2.78	7.95	8.24
5700MHz	Pass	8.76	2.08	2.13	1.57	1.98	7.81	8.24
5745MHz	Pass	8.76	9.40	9.81	9.49	8.99	14.94	27.24
5785MHz	Pass	8.76	9.60	9.08	8.88	8.84	14.89	27.24
5825MHz	Pass	8.76	9.39	10.15	8.91	8.89	15.05	27.24
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.76	-0.27	0.00	-0.56	0.00	5.76	14.24
5230MHz	Pass	8.76	5.69	6.06	6.31	6.56	12.12	14.24
5270MHz	Pass	8.76	1.83	1.59	1.34	1.69	7.41	8.24
5310MHz	Pass	8.76	1.90	2.40	1.90	2.55	8.19	8.24
5510MHz	Pass	8.76	1.37	0.91	1.45	1.49	7.17	8.24
5550MHz	Pass	8.76	2.44	1.78	1.50	1.24	7.64	8.24
5670MHz	Pass	8.76	1.66	1.52	1.41	1.81	7.37	8.24
5755MHz	Pass	8.76	6.88	7.57	7.40	6.21	12.78	27.24
5795MHz	Pass	8.76	7.02	6.99	7.26	6.32	12.75	27.24
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.76	-4.33	-4.36	-4.62	-3.98	1.52	14.24
5290MHz	Pass	8.76	-1.36	-1.33	-2.13	-1.25	4.46	8.24
5530MHz	Pass	8.76	-0.91	-0.74	-0.80	-1.01	5.09	8.24
5610MHz	Pass	8.76	-0.86	-0.70	-0.87	-1.60	4.96	8.24
5775MHz	Pass	8.76	-0.22	0.06	0.16	-0.02	5.79	27.24
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.76	-7.23	-6.75	-7.34	-6.75	-1.13	14.24
5250MHz Straddle 5.25-5.35GHz	Pass	8.76	-6.86	-6.84	-7.25	-6.69	-1.11	8.24
5570MHz	Pass	8.76	-4.65	-3.54	-3.79	-3.92	1.98	8.24

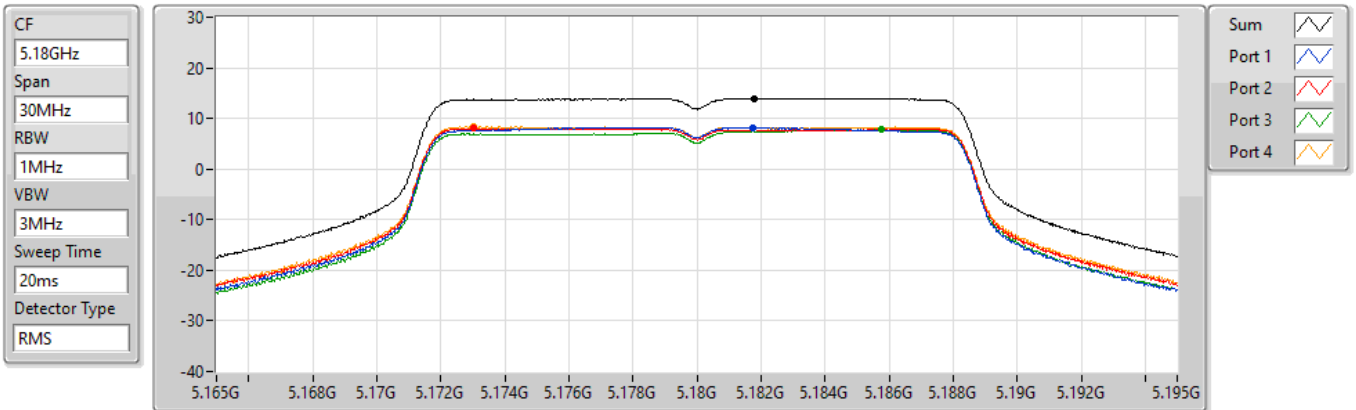
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

16/03/2022



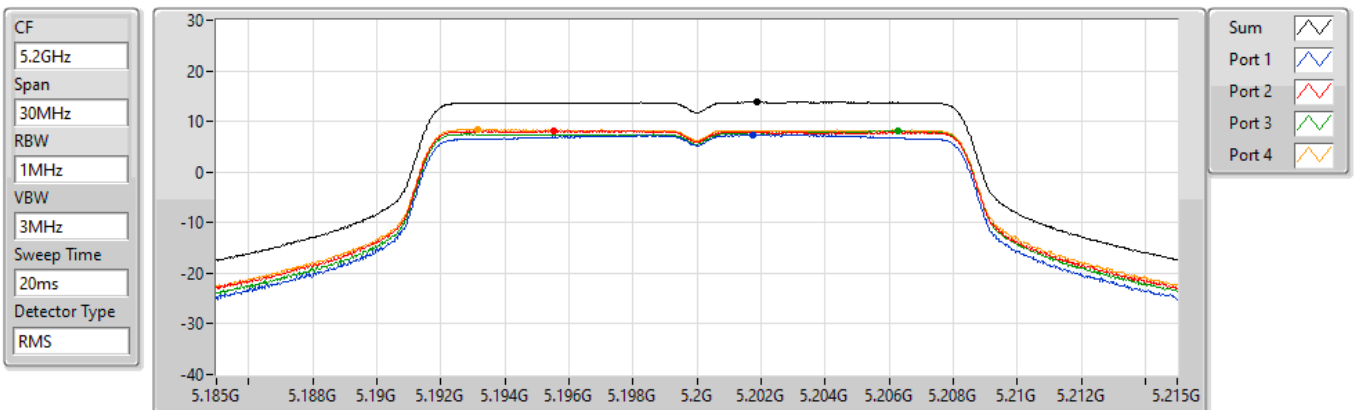
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.93	13.93	8.23	8.01	7.75	8.34

802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

16/03/2022



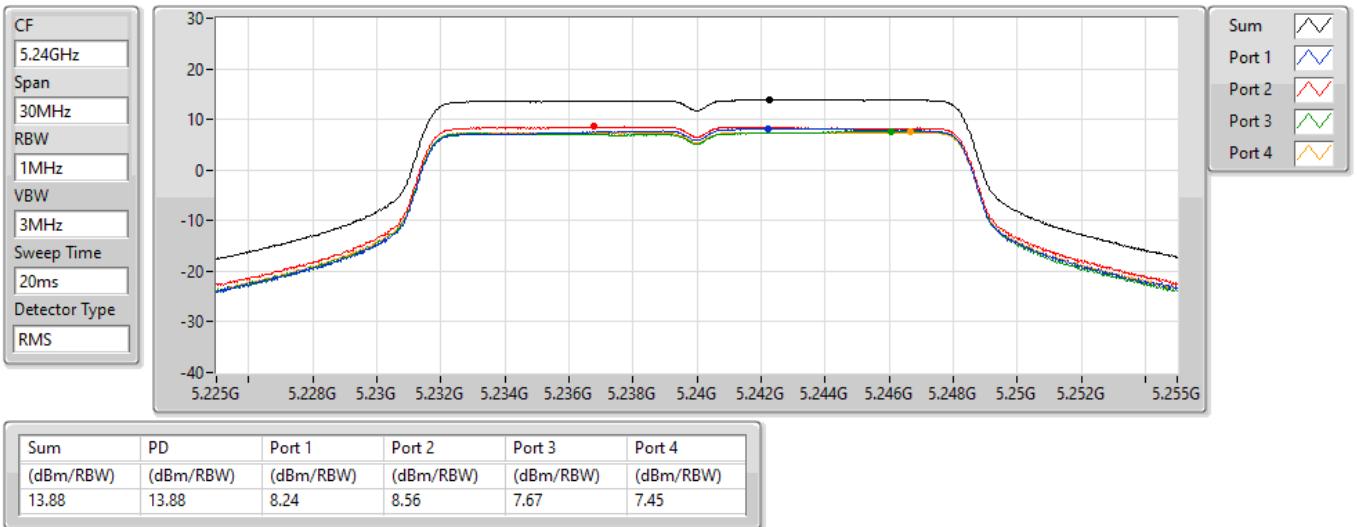
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.83	13.83	7.40	8.08	8.06	8.39

802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

16/03/2022

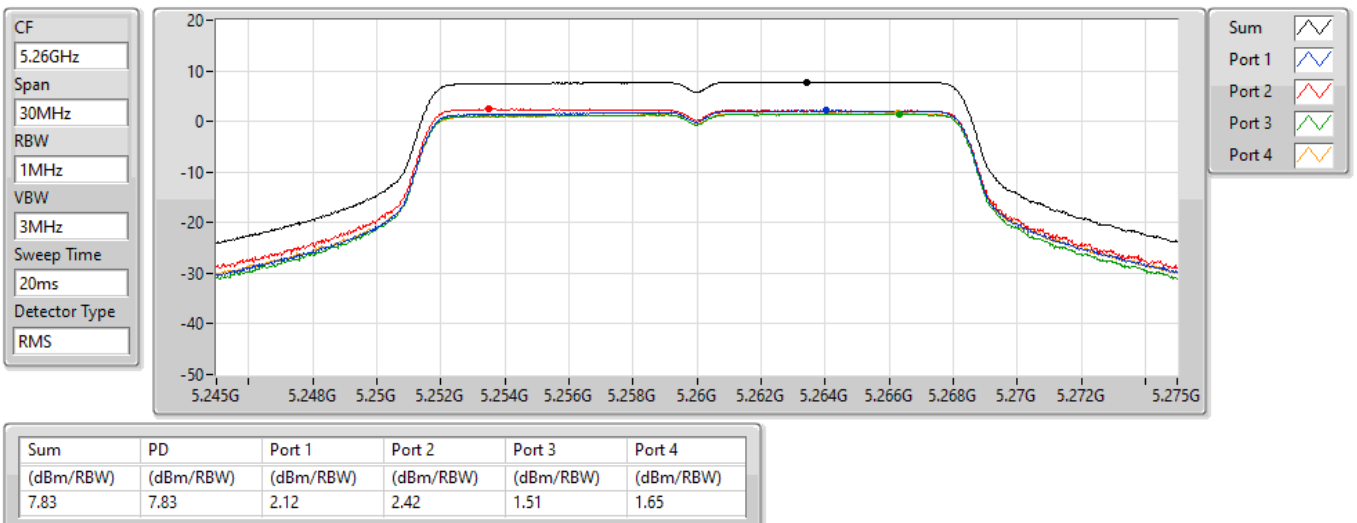


802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

25/02/2022

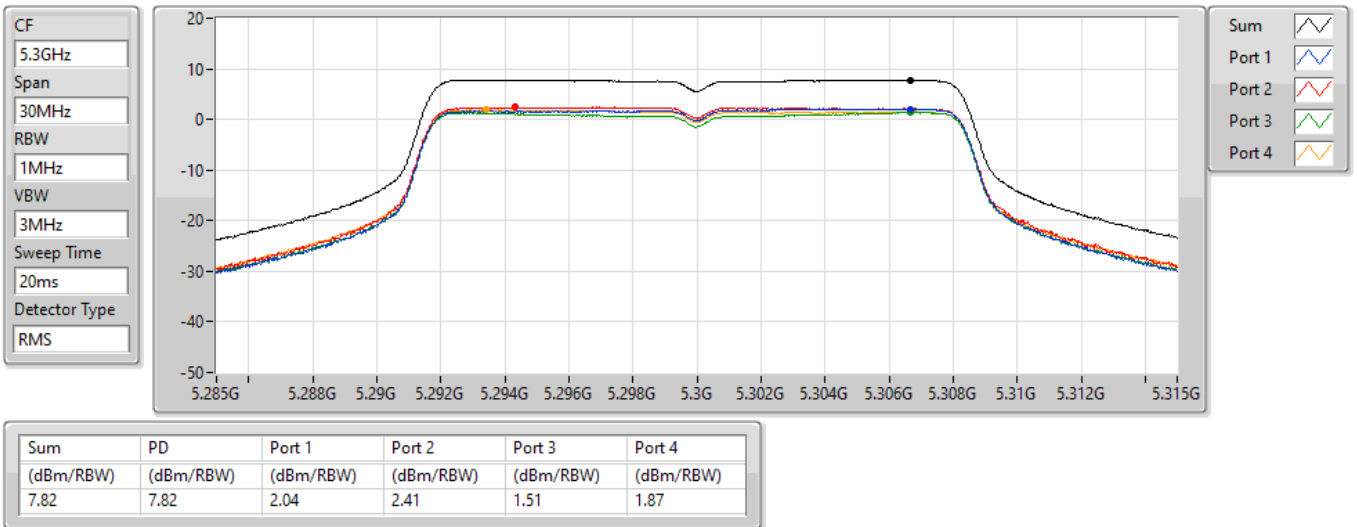


802.11a_Nss1,(6Mbps)_4TX

PSD

5300MHz

25/02/2022

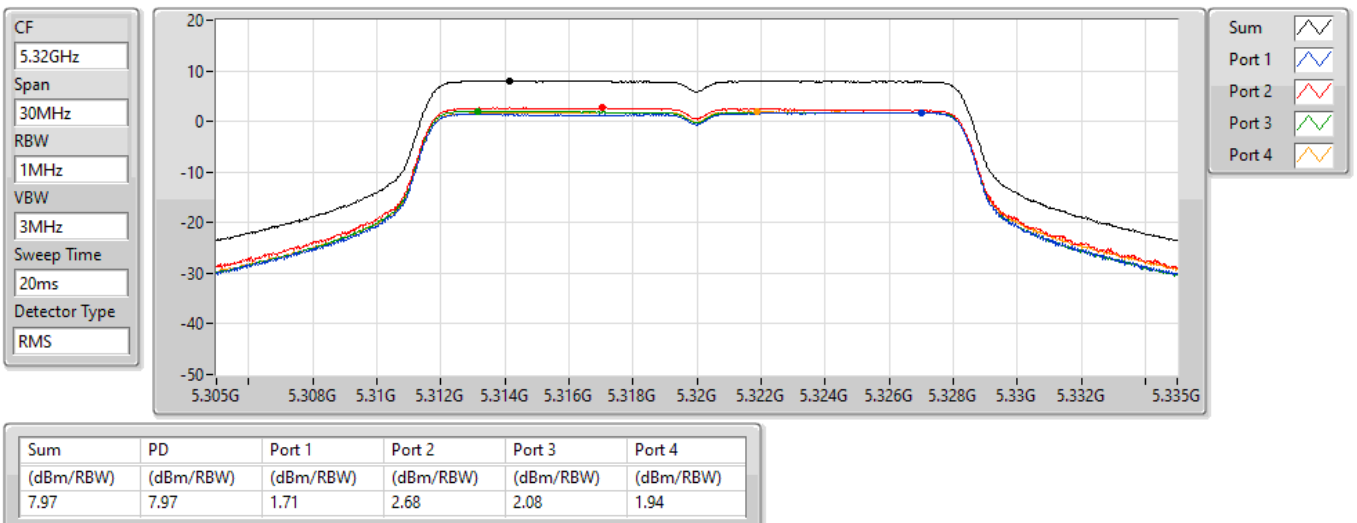


802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

25/02/2022

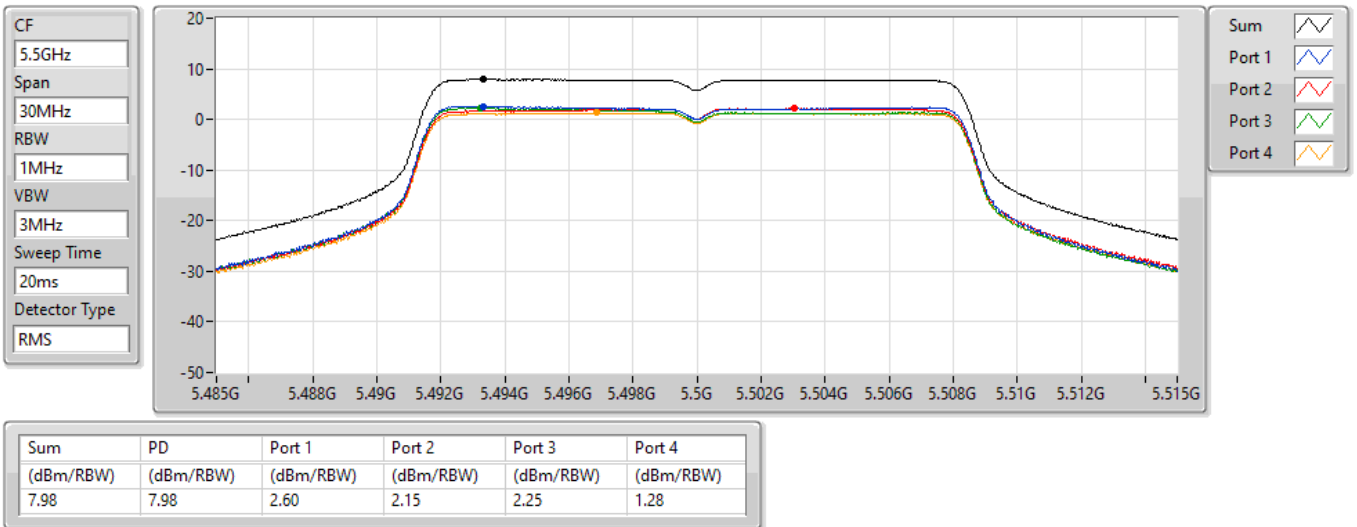


802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

25/02/2022

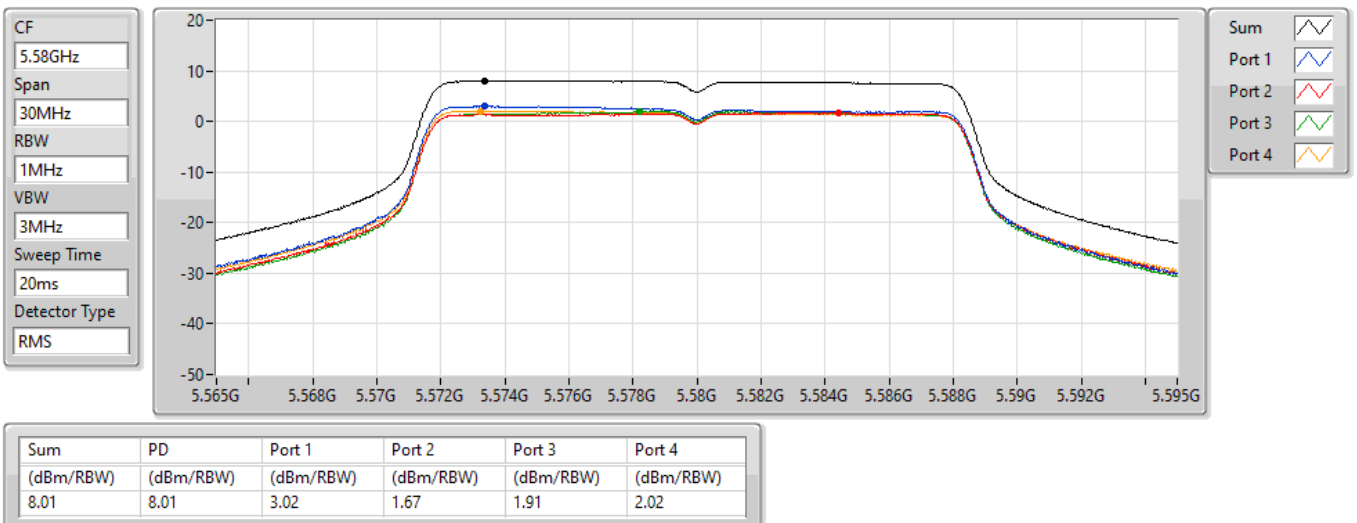


802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

25/02/2022

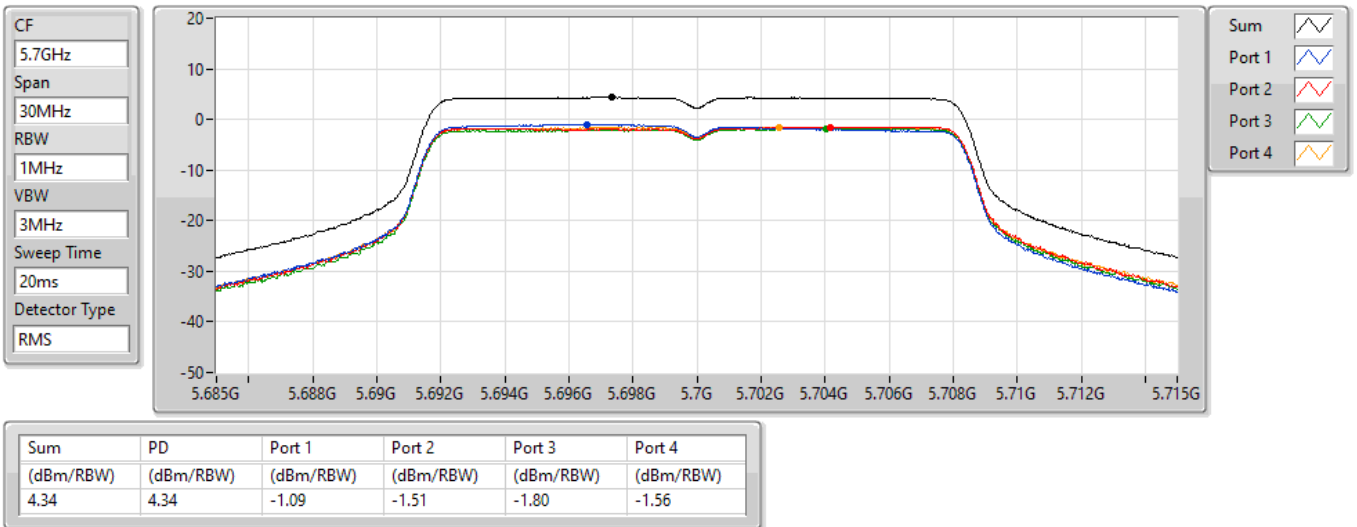


802.11a_Nss1,(6Mbps)_4TX

PSD

5700MHz

25/02/2022

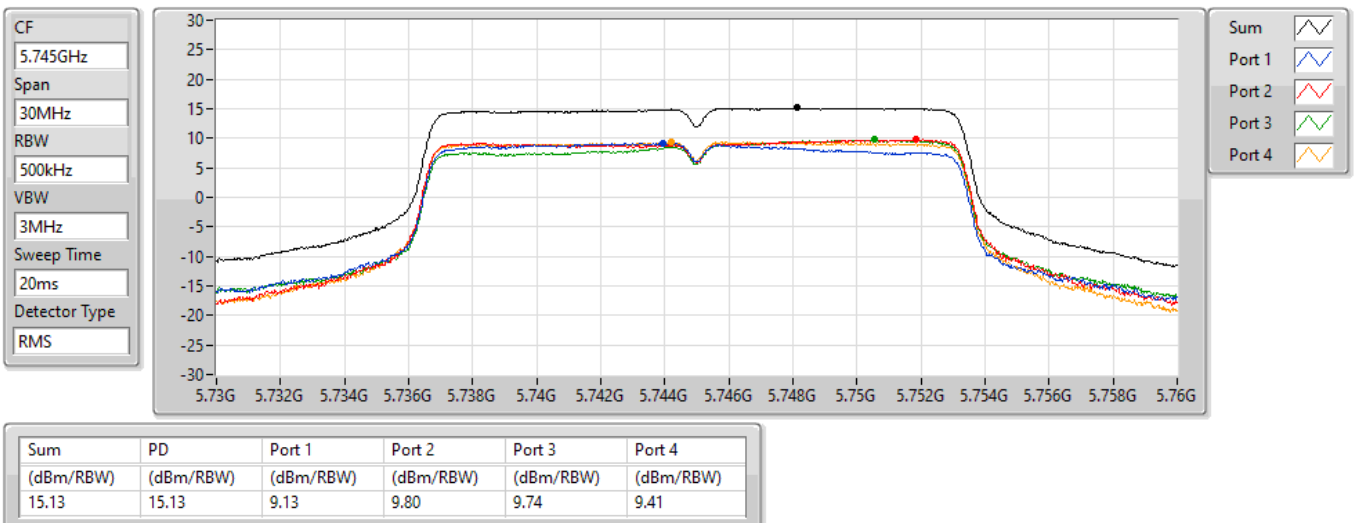


802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

25/02/2022

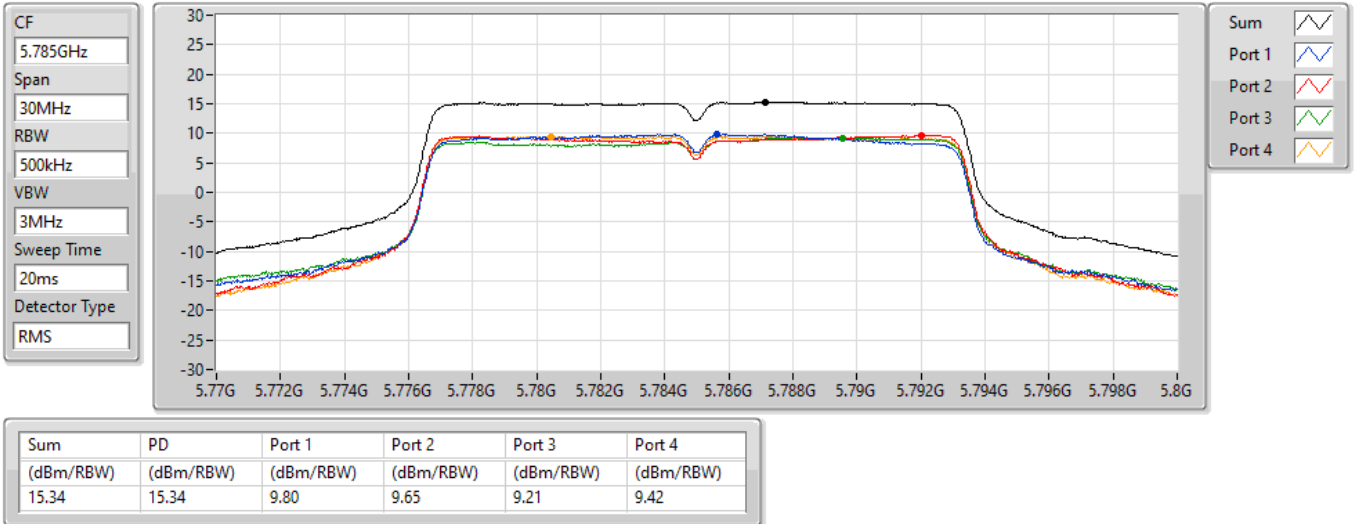


802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

25/02/2022

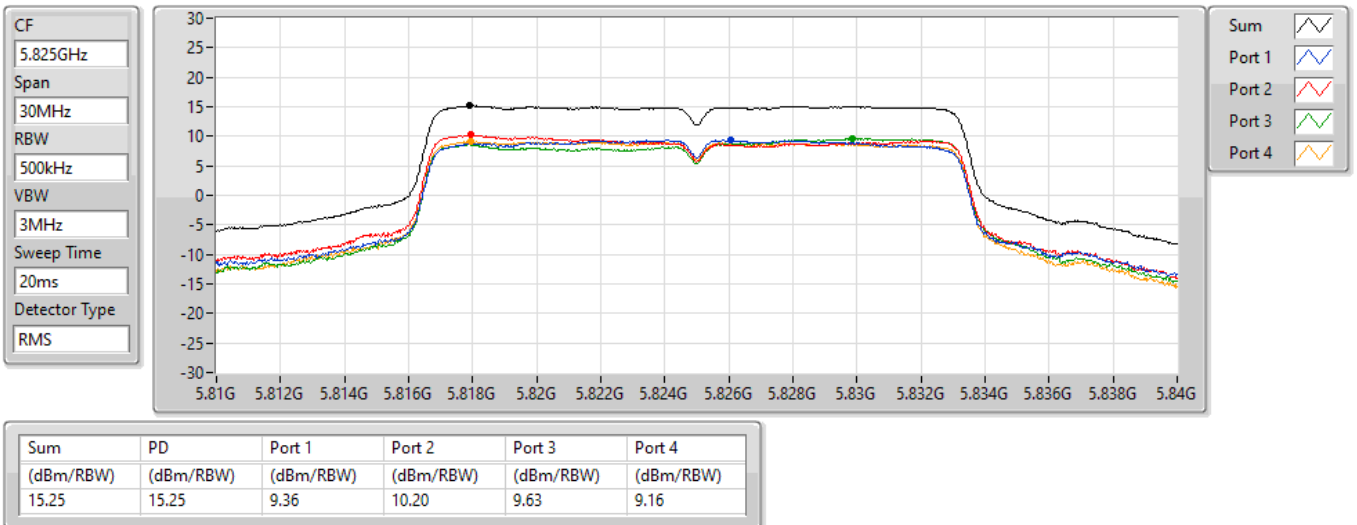


802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

25/02/2022

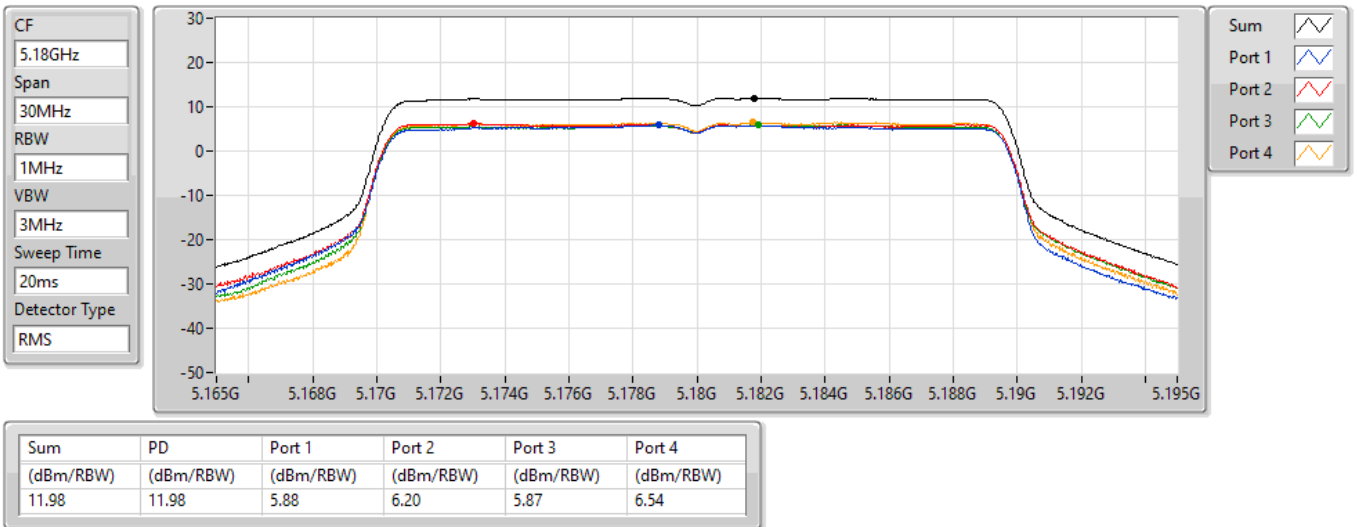


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

25/02/2022

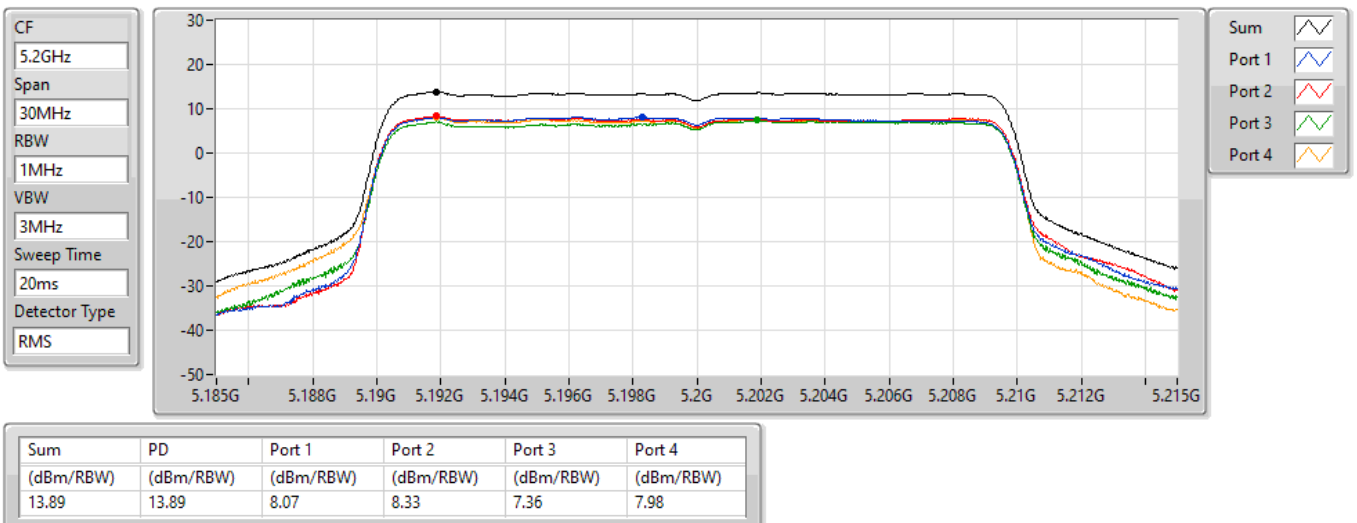


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

25/02/2022

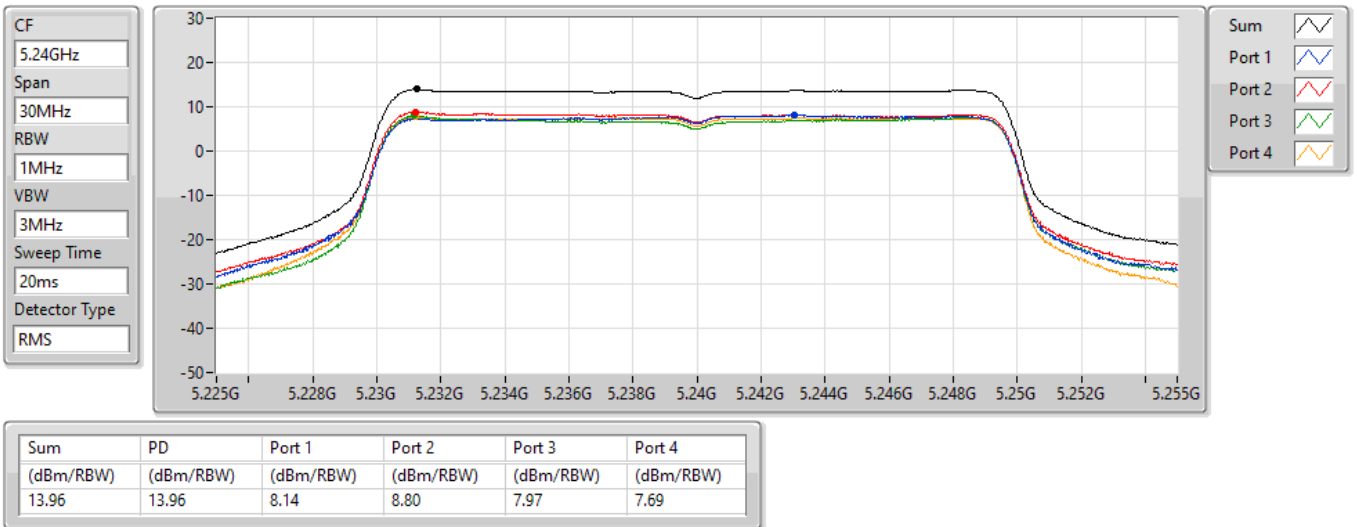


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

25/02/2022

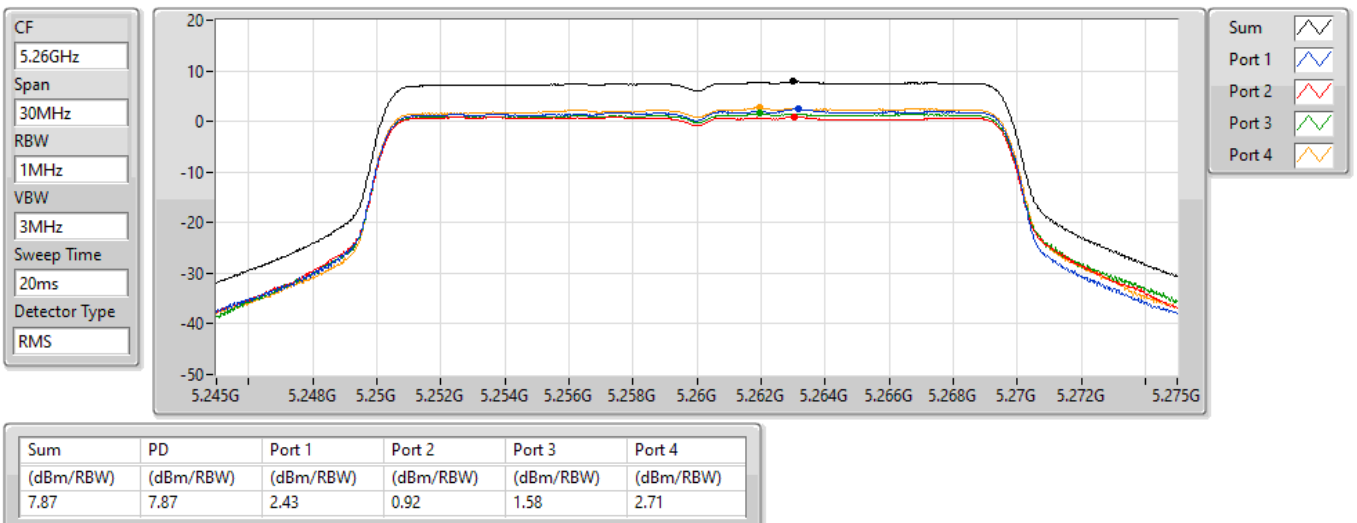


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5260MHz

25/02/2022

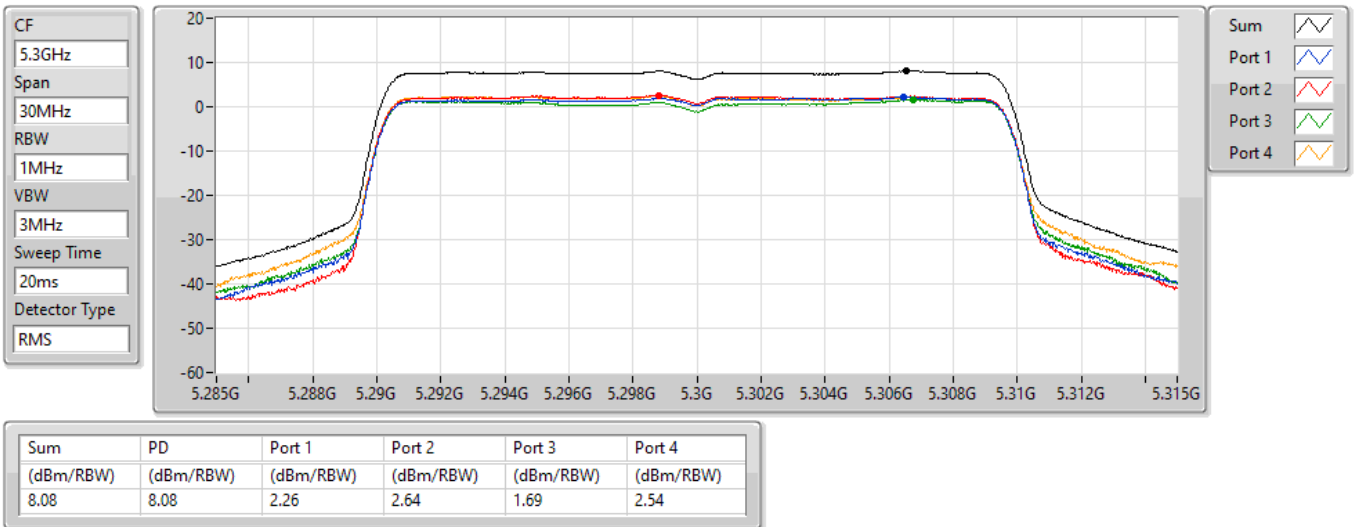


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5300MHz

25/02/2022

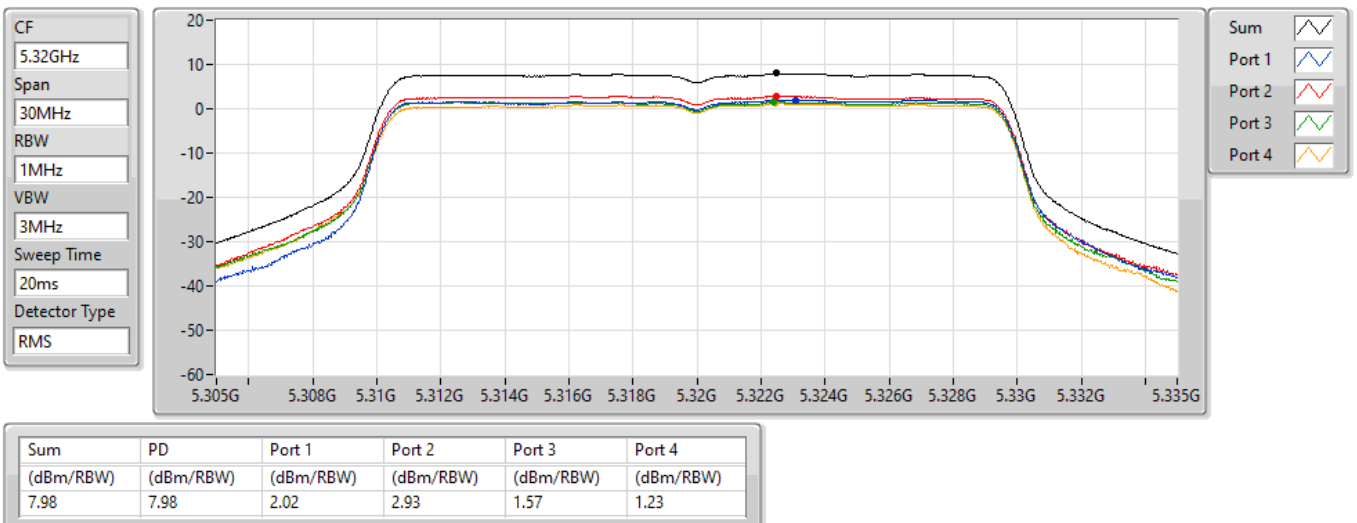


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

25/02/2022

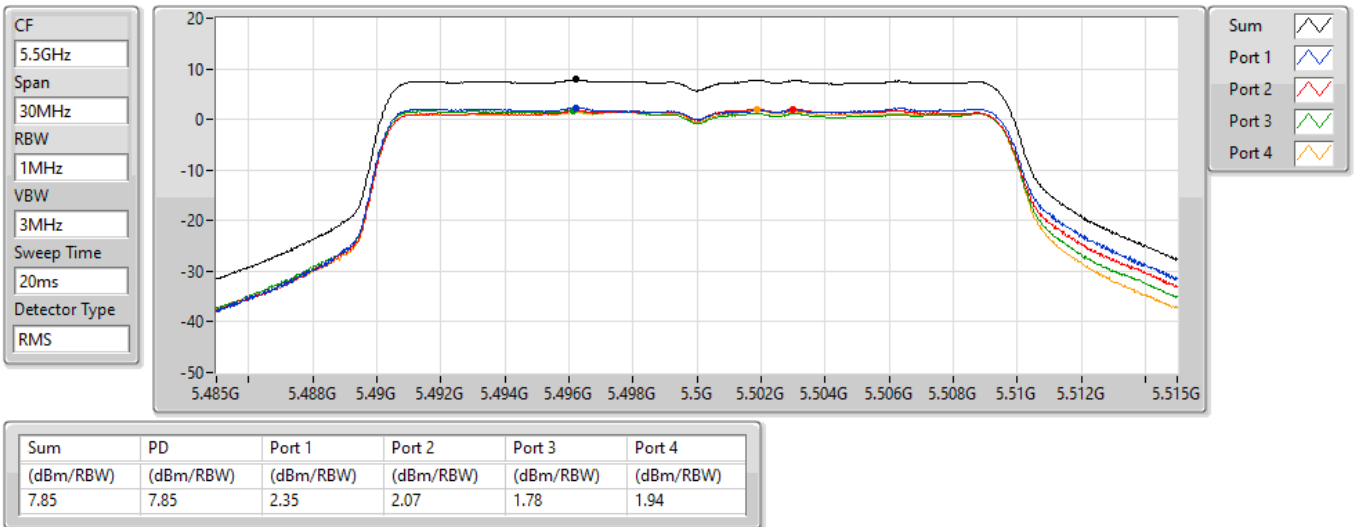


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

25/02/2022

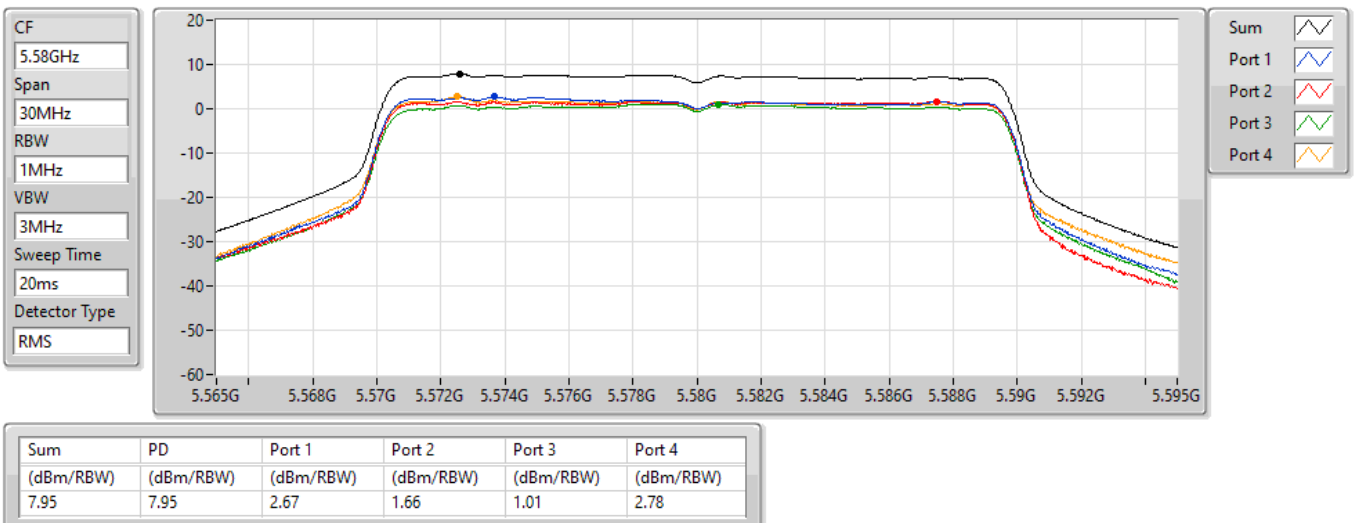


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

25/02/2022

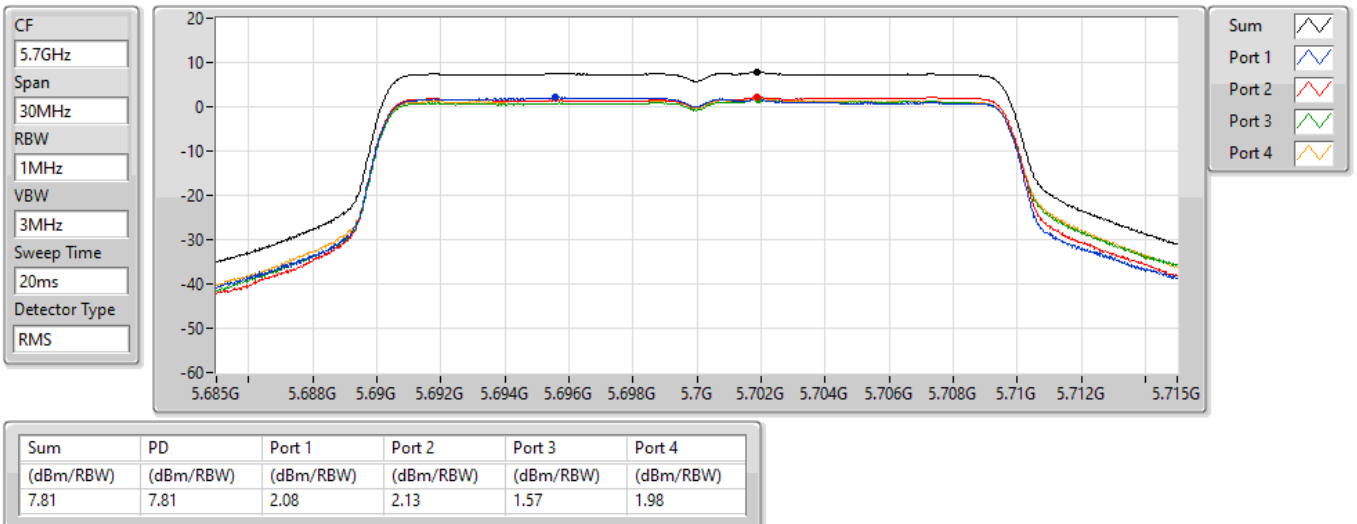


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5700MHz

25/02/2022

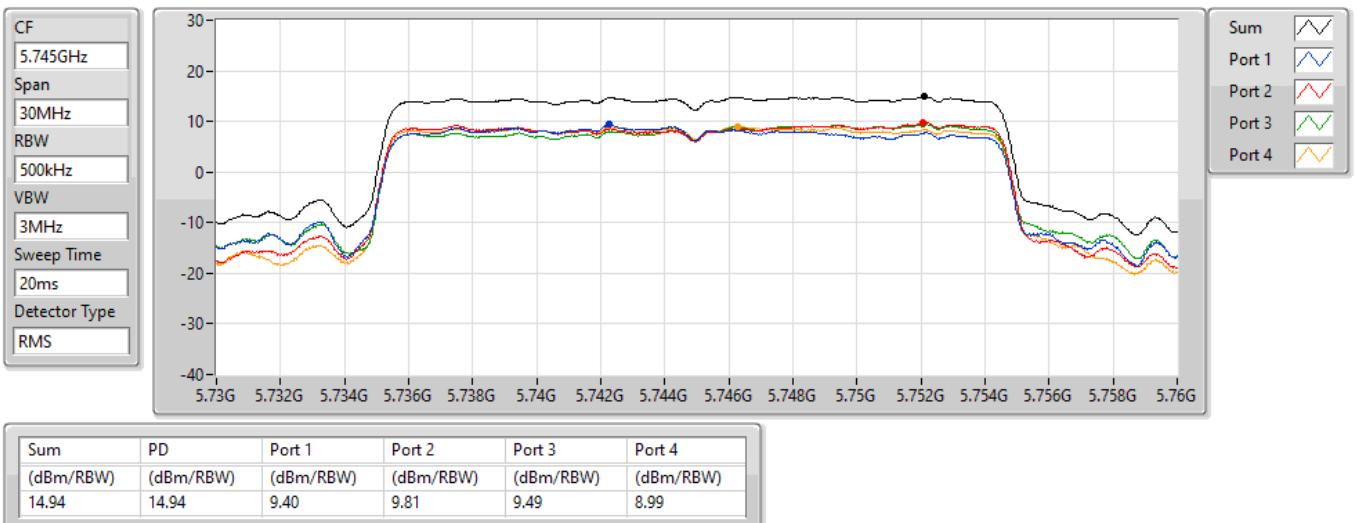


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

25/02/2022

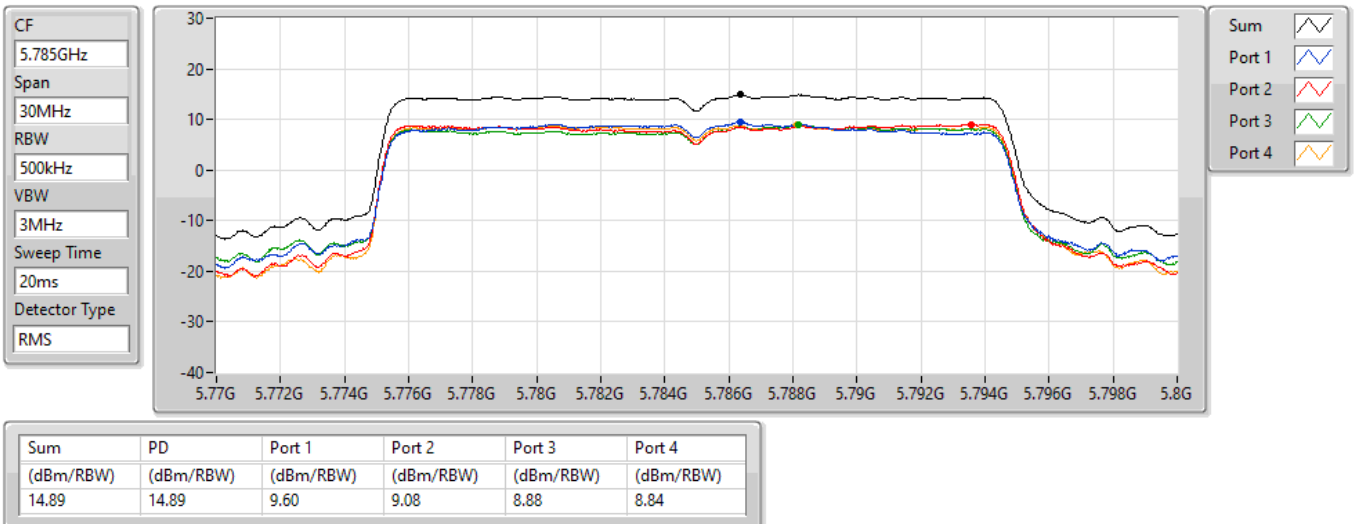


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

25/02/2022

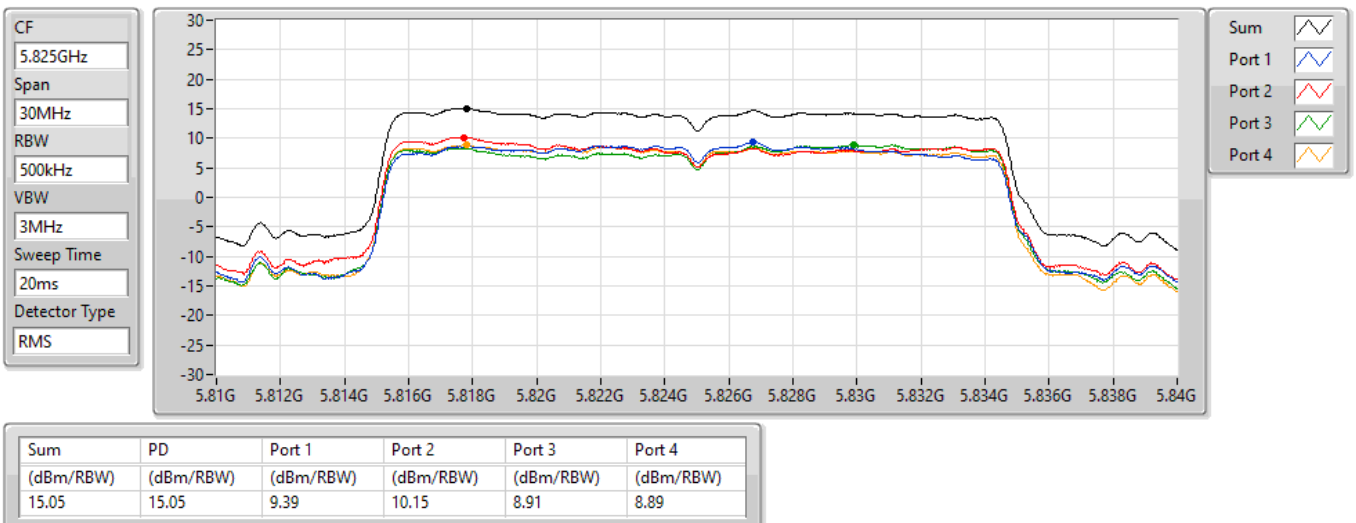


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

25/02/2022

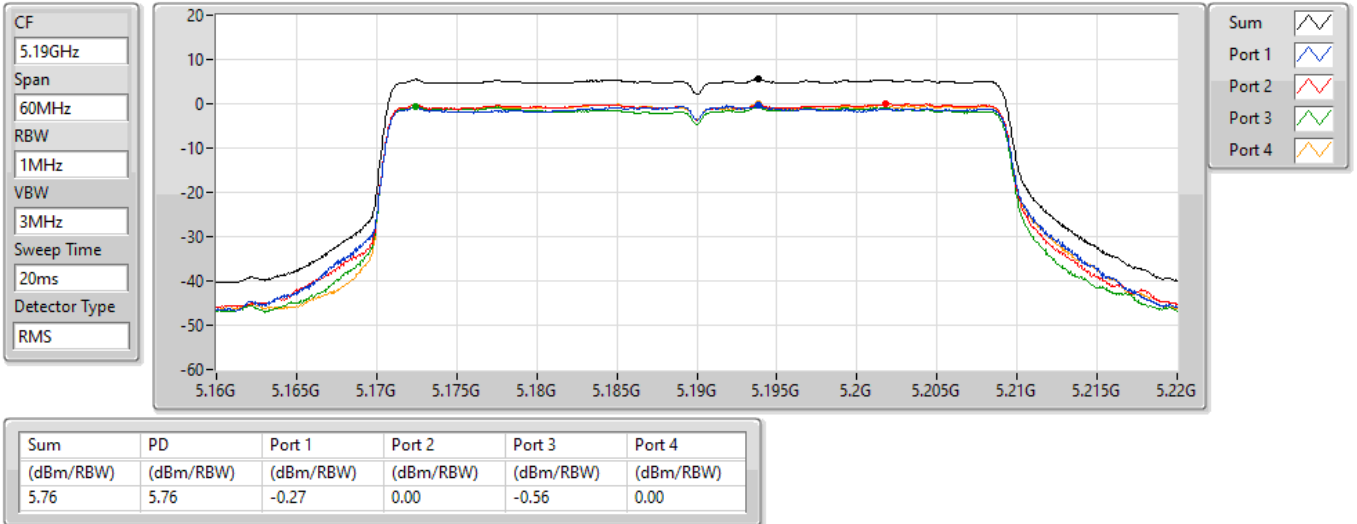


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

25/02/2022

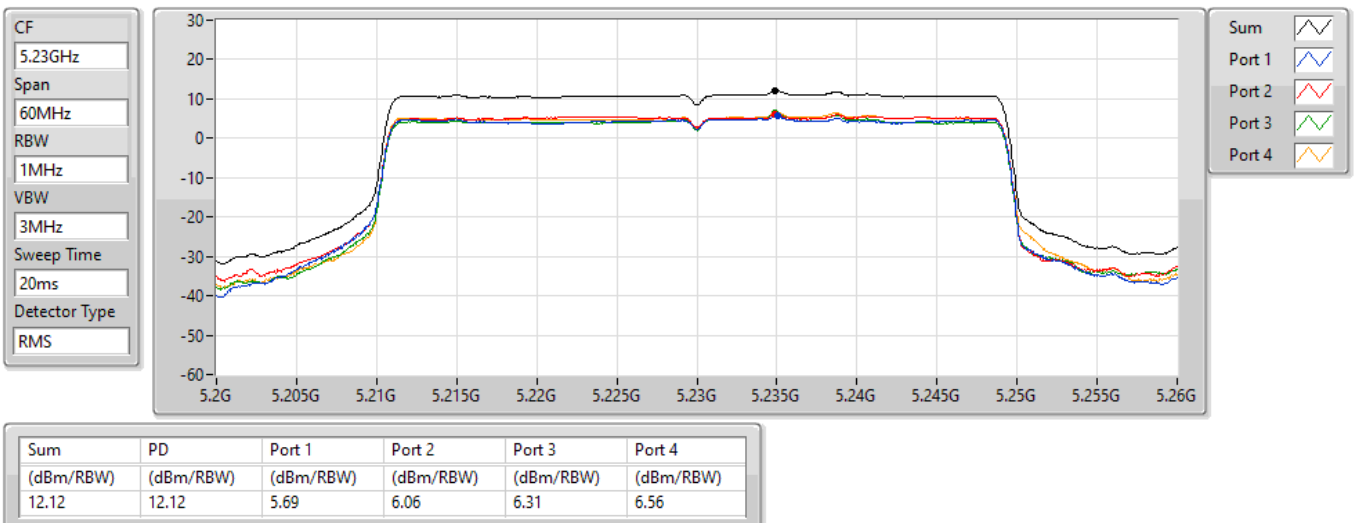


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

25/02/2022

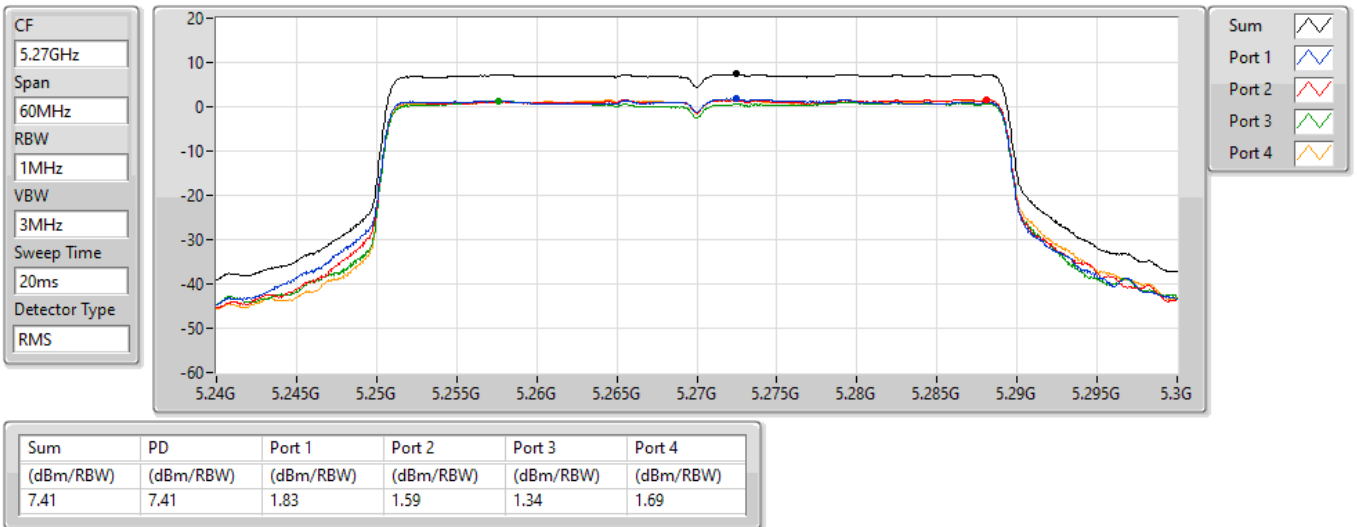


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5270MHz

25/02/2022

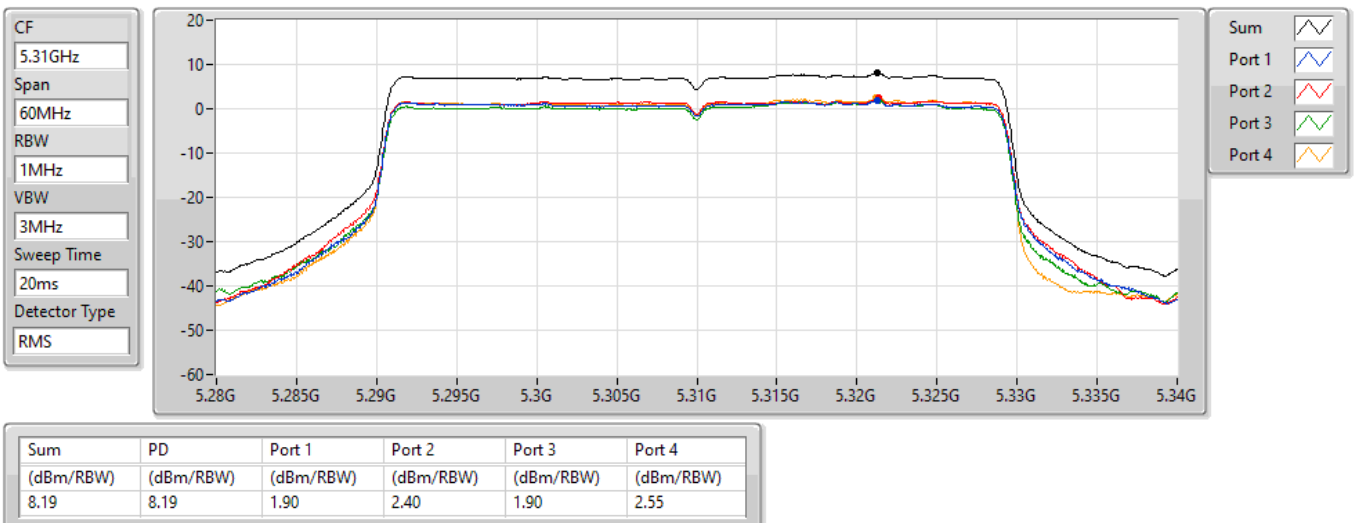


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5310MHz

25/02/2022

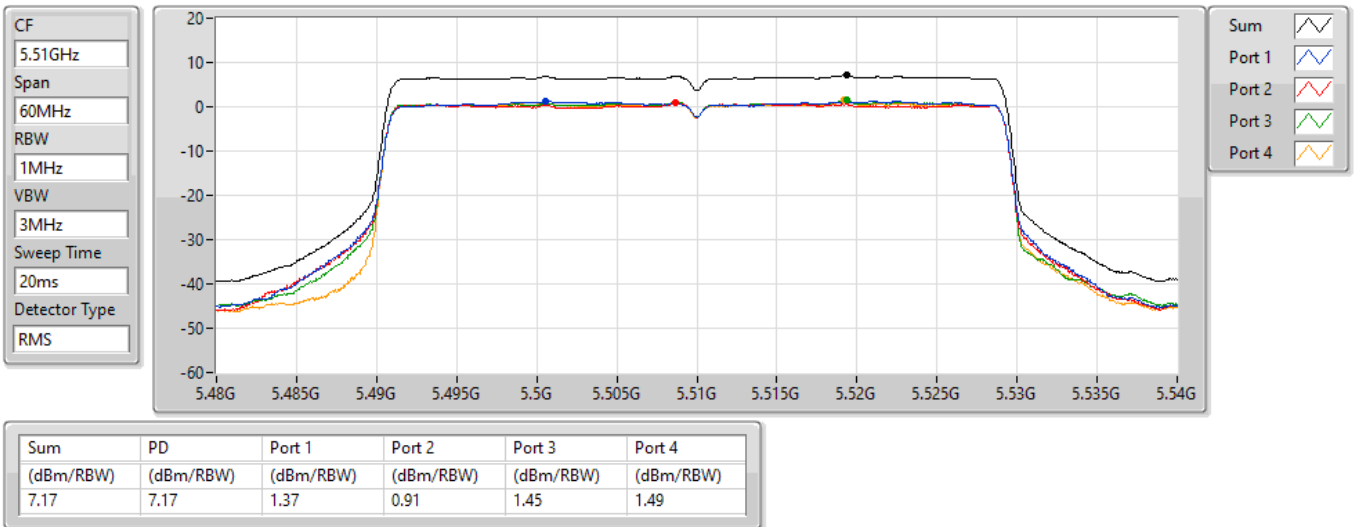


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5510MHz

25/02/2022

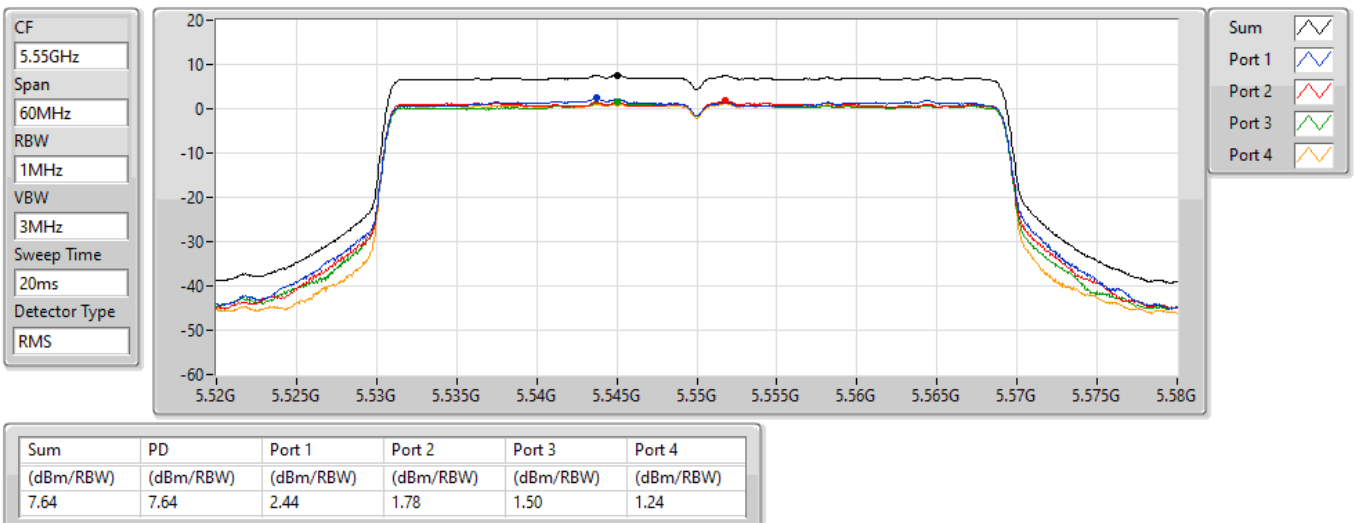


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5550MHz

25/02/2022

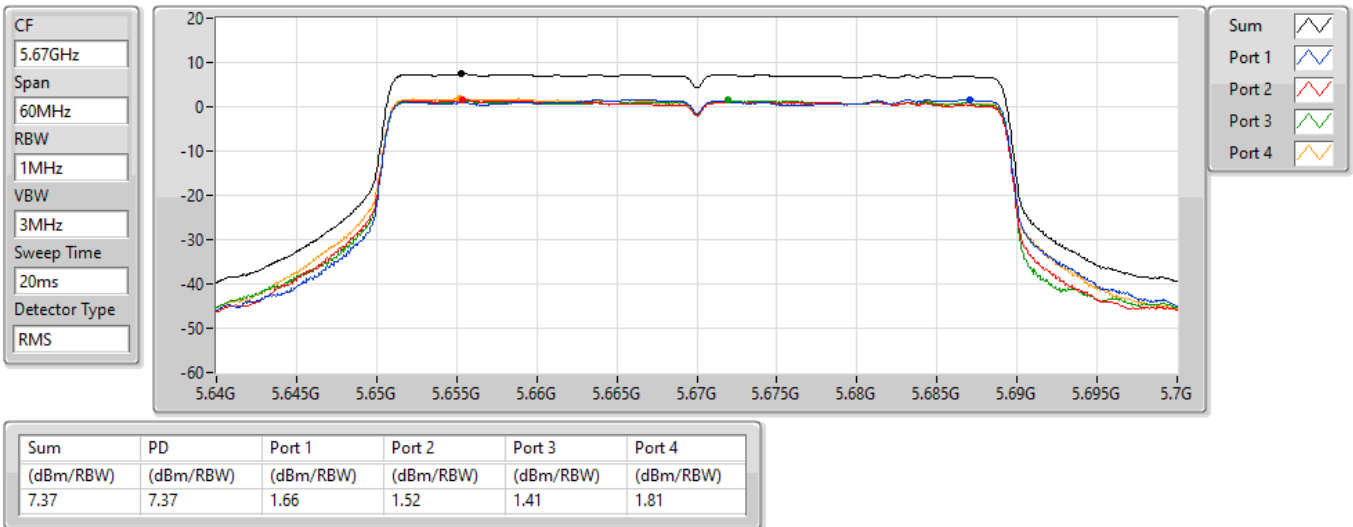


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5670MHz

25/02/2022

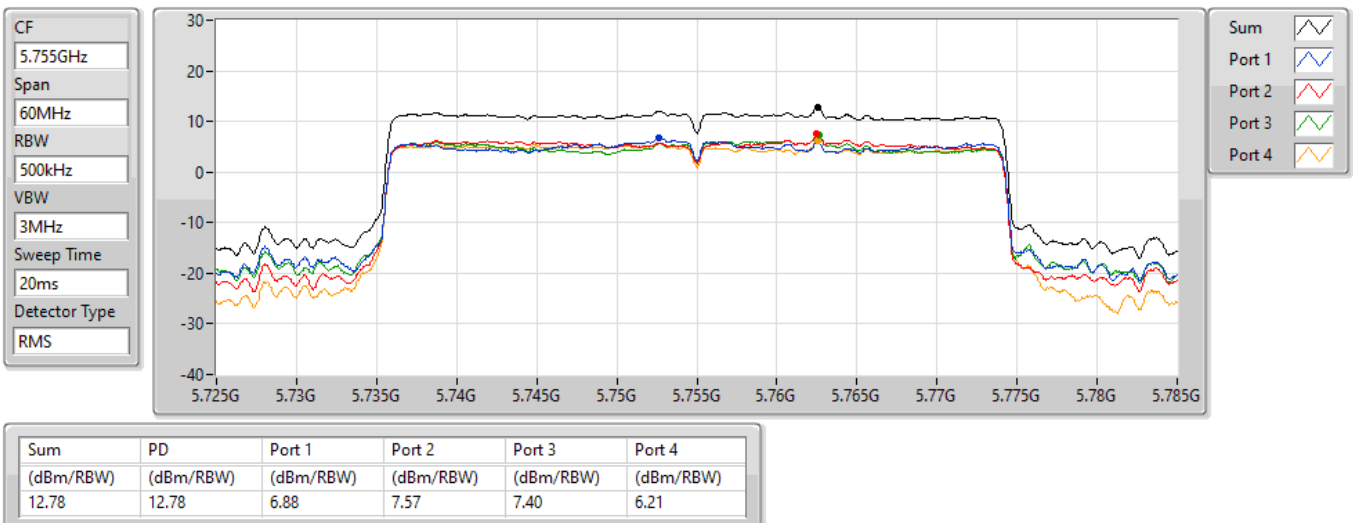


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

25/02/2022

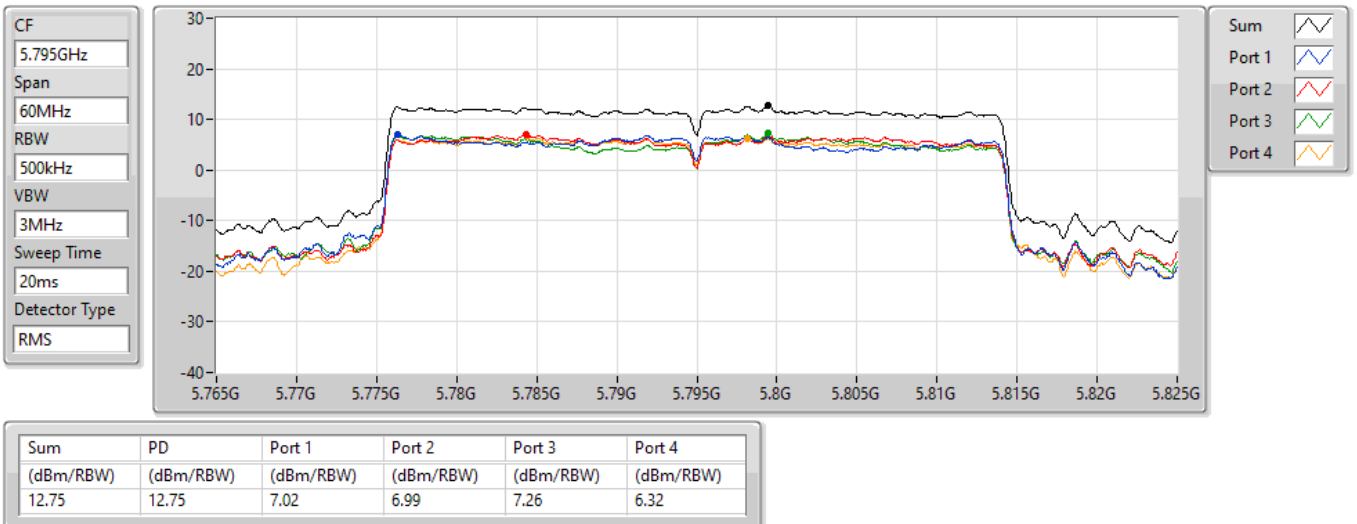


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

25/02/2022

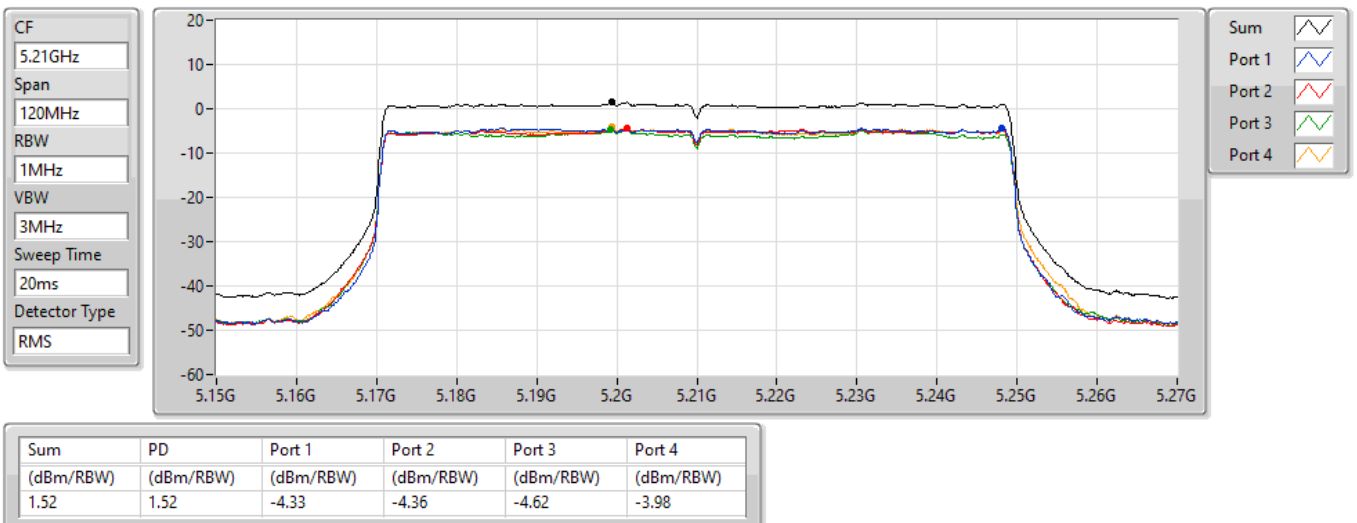


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

25/02/2022

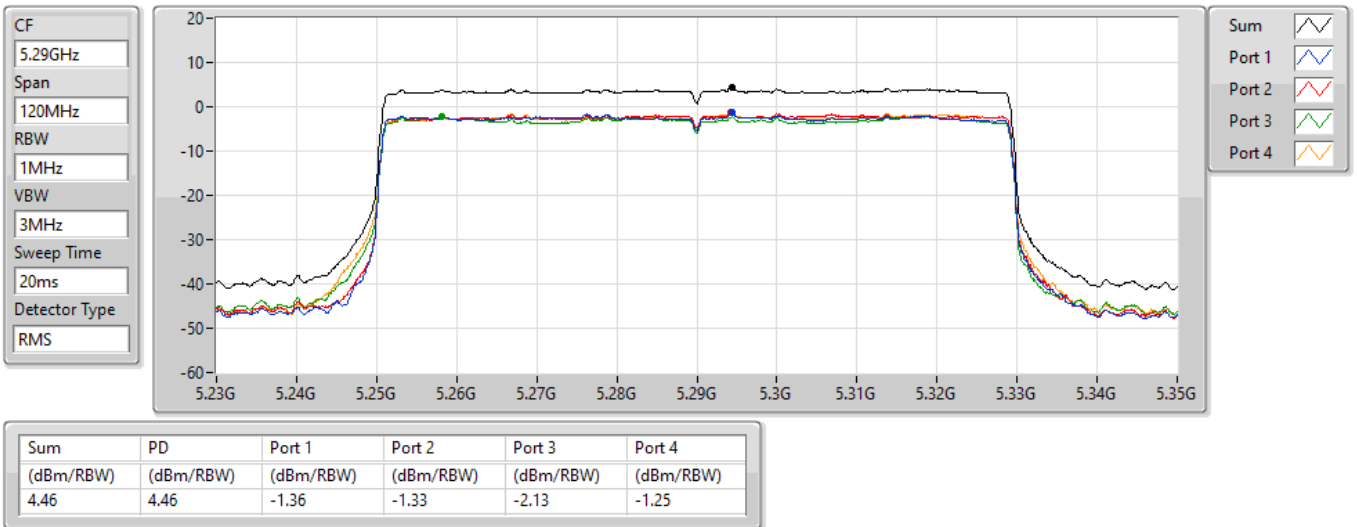


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

25/02/2022

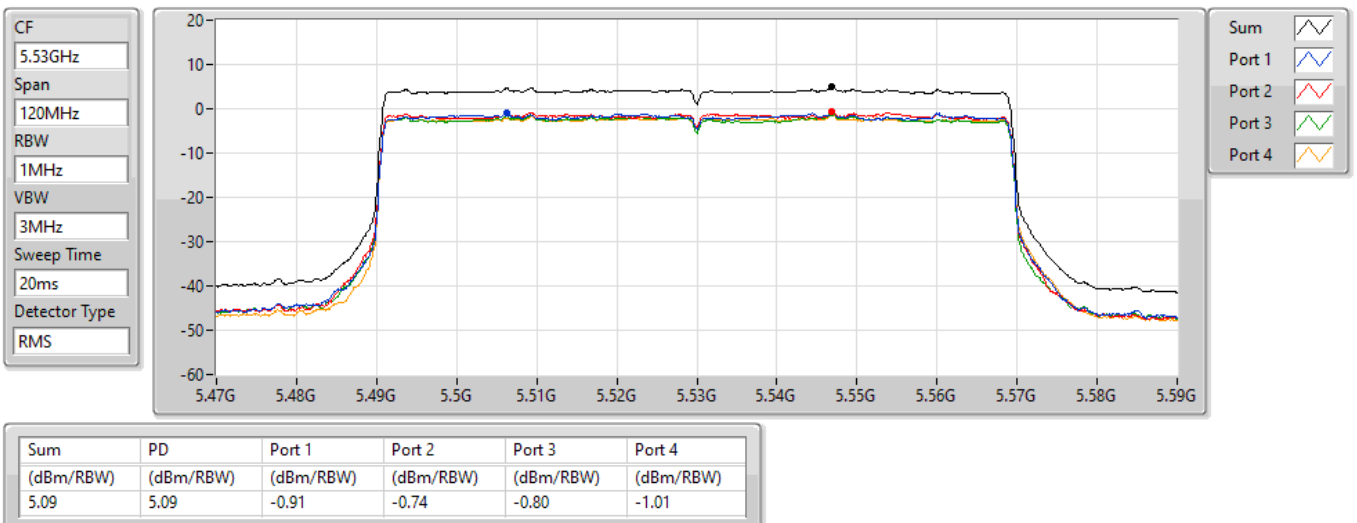


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5530MHz

25/02/2022

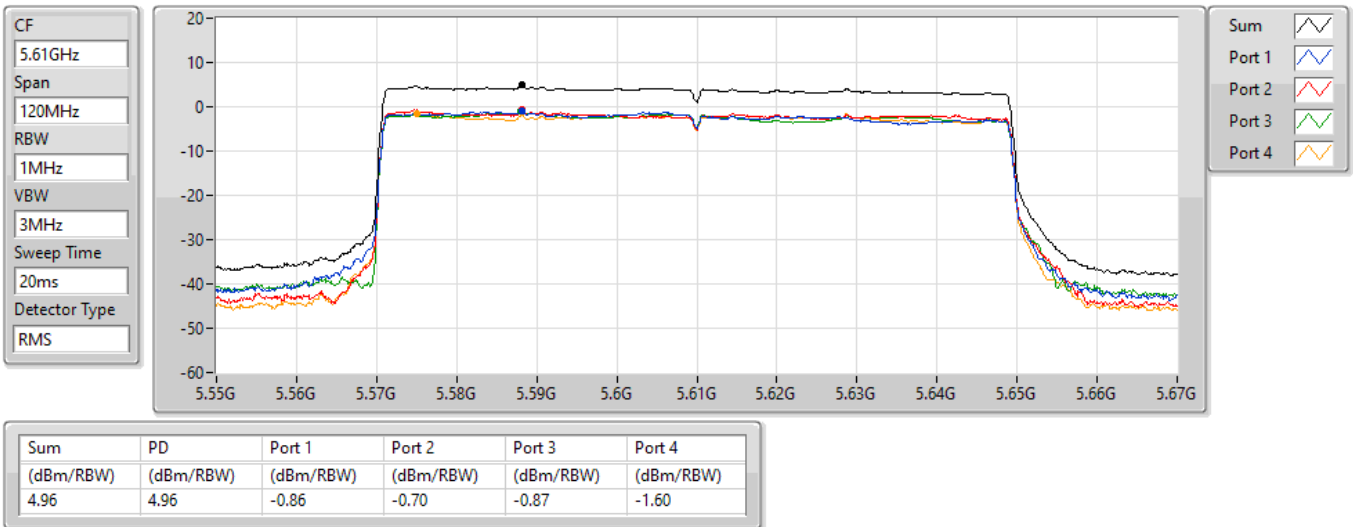


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5610MHz

26/02/2022

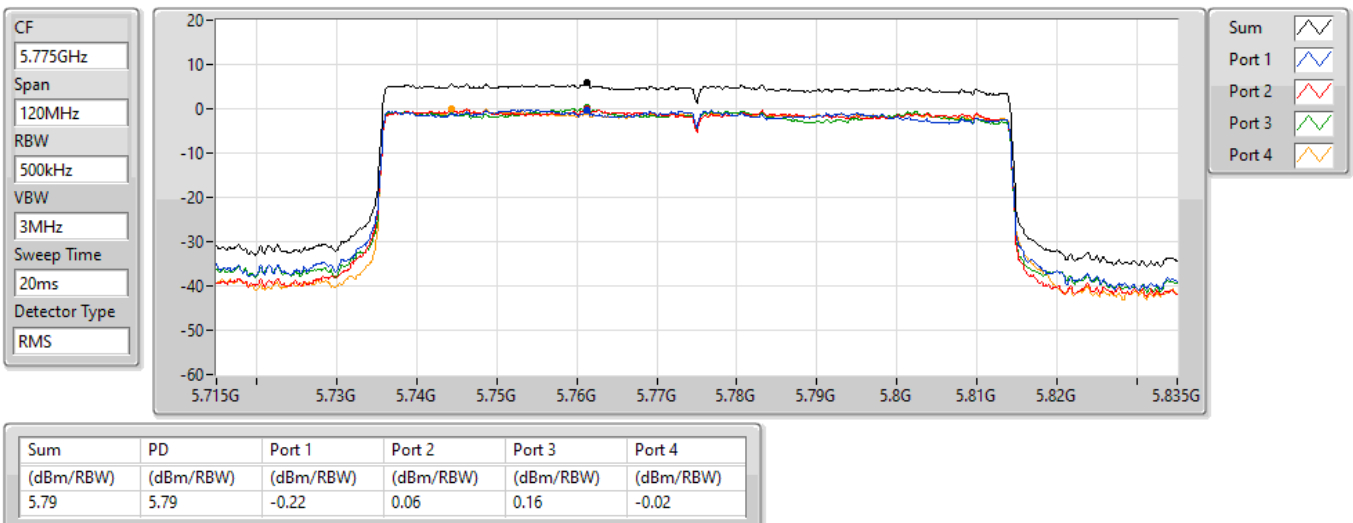


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

26/02/2022

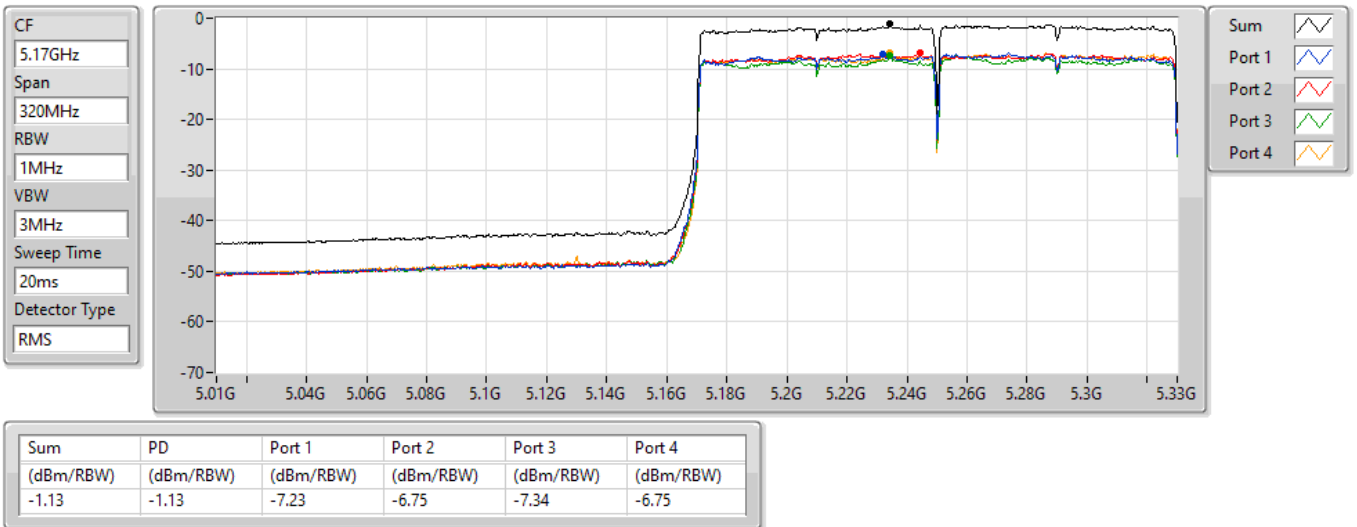


802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

26/02/2022

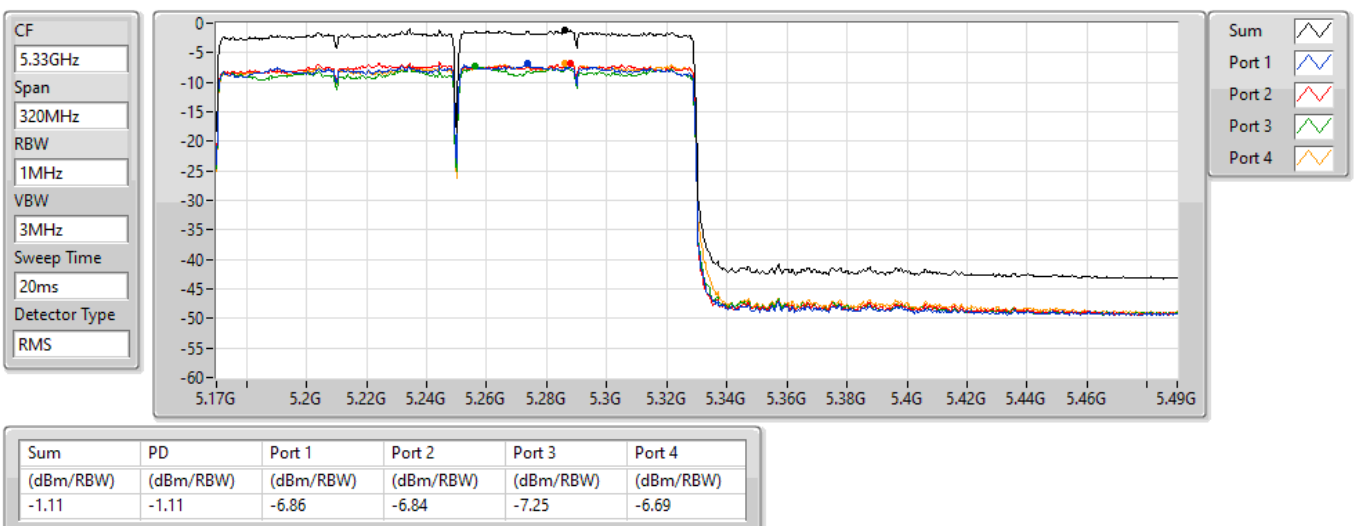


802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

26/02/2022

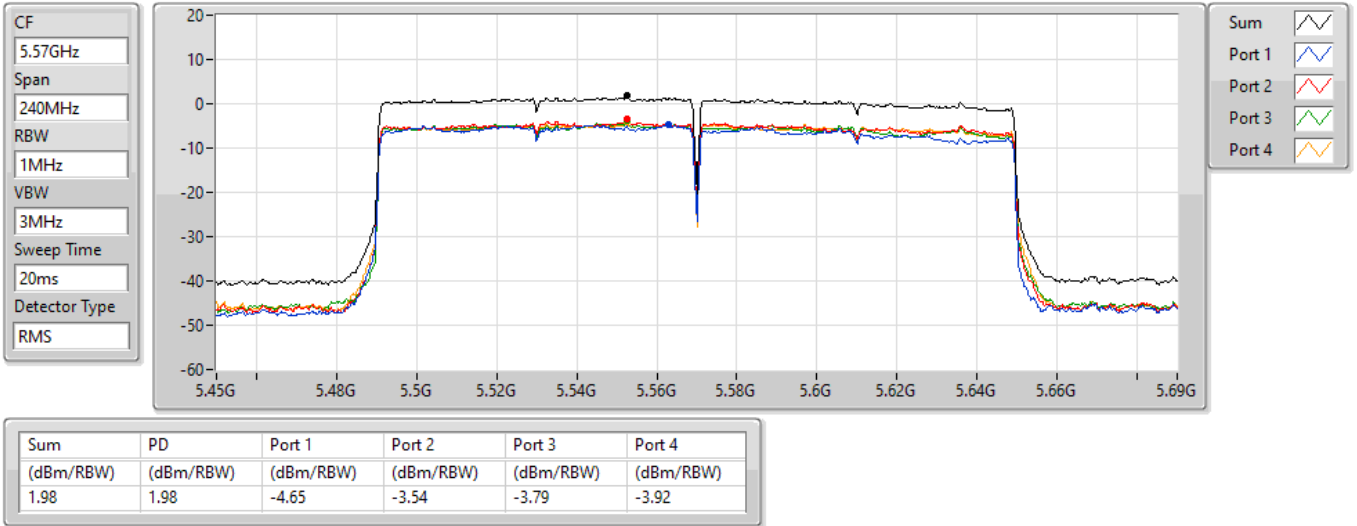


802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5570MHz

26/02/2022



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	13.65
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	10.74
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.05
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.94
5.25-5.35GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	7.80
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.68
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	1.57
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	1.34
5.47-5.725GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	7.55
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.82
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	2.03
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-1.18
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	12.13
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	9.42
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	7.04

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.76	7.34	8.40	7.62	7.99	13.65	14.24
5200MHz	Pass	8.76	7.10	8.13	6.73	7.92	13.33	14.24
5240MHz	Pass	8.76	7.90	8.16	7.22	7.73	13.50	14.24
5260MHz	Pass	8.76	2.01	2.47	1.93	1.79	7.80	8.24
5300MHz	Pass	8.76	1.99	2.57	1.63	1.68	7.68	8.24
5320MHz	Pass	8.76	1.40	2.43	1.33	1.83	7.55	8.24
5500MHz	Pass	8.76	2.21	1.40	1.69	1.64	7.38	8.24
5580MHz	Pass	8.76	2.21	1.84	1.44	1.55	7.55	8.24
5700MHz	Pass	8.76	0.55	1.70	2.08	2.16	7.29	8.24
5745MHz	Pass	8.76	5.95	6.96	5.97	5.78	11.99	27.24
5785MHz	Pass	8.76	6.72	6.81	6.57	5.71	12.13	27.24
5825MHz	Pass	8.76	5.90	6.71	6.63	6.04	12.08	27.24
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.76	0.63	0.96	0.52	1.18	6.63	14.24
5230MHz	Pass	8.76	4.85	5.61	4.41	5.22	10.74	14.24
5270MHz	Pass	8.76	-0.96	-1.30	-2.39	-1.11	4.16	8.24
5310MHz	Pass	8.76	-1.19	-0.22	-1.46	-1.20	4.68	8.24
5510MHz	Pass	8.76	-0.87	-0.93	-0.99	-1.28	4.49	8.24
5550MHz	Pass	8.76	-0.74	-0.82	-1.18	-1.33	4.69	8.24
5670MHz	Pass	8.76	-0.76	-0.24	-1.45	-0.95	4.82	8.24
5755MHz	Pass	8.76	3.19	3.74	3.46	2.60	8.87	27.24
5795MHz	Pass	8.76	3.83	3.33	4.38	2.85	9.42	27.24
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.76	-1.45	-1.35	-1.84	-1.35	4.05	14.24
5290MHz	Pass	8.76	-4.16	-3.81	-3.72	-4.03	1.57	8.24
5530MHz	Pass	8.76	-3.86	-3.80	-4.13	-4.65	1.47	8.24
5610MHz	Pass	8.76	-4.23	-3.71	-2.55	-3.63	2.03	8.24
5775MHz	Pass	8.76	2.29	2.08	1.05	0.50	7.04	27.24
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.76	-4.48	-4.62	-4.43	-4.63	0.94	14.24
5250MHz Straddle 5.25-5.35GHz	Pass	8.76	-4.07	-4.57	-5.01	-4.53	1.34	8.24
5570MHz	Pass	8.76	-6.63	-6.33	-7.12	-7.22	-1.18	8.24

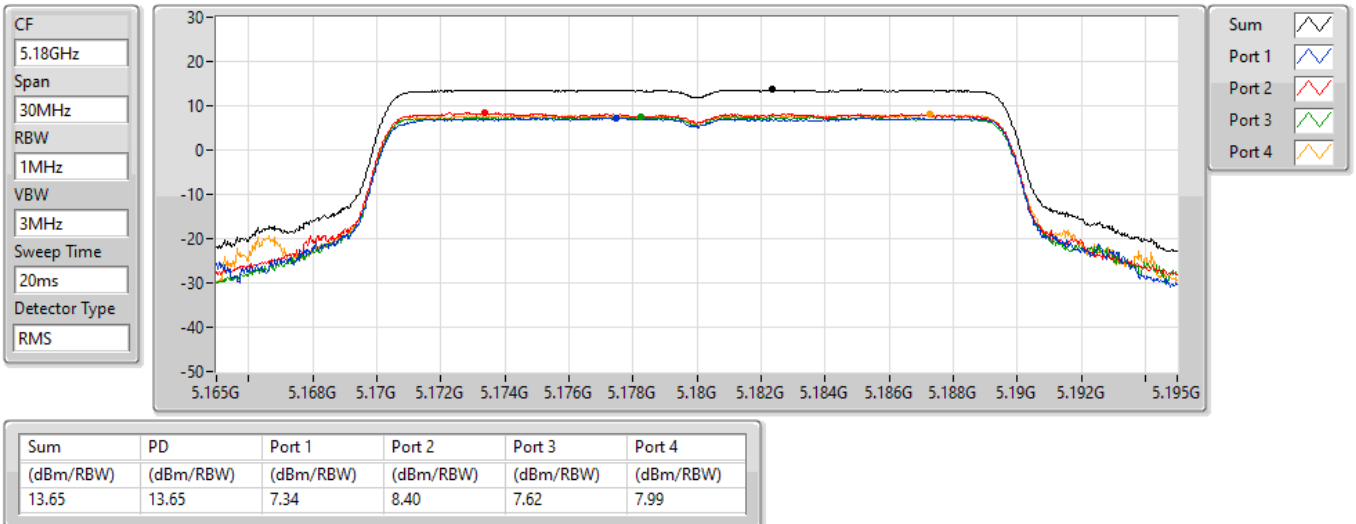
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

27/02/2022

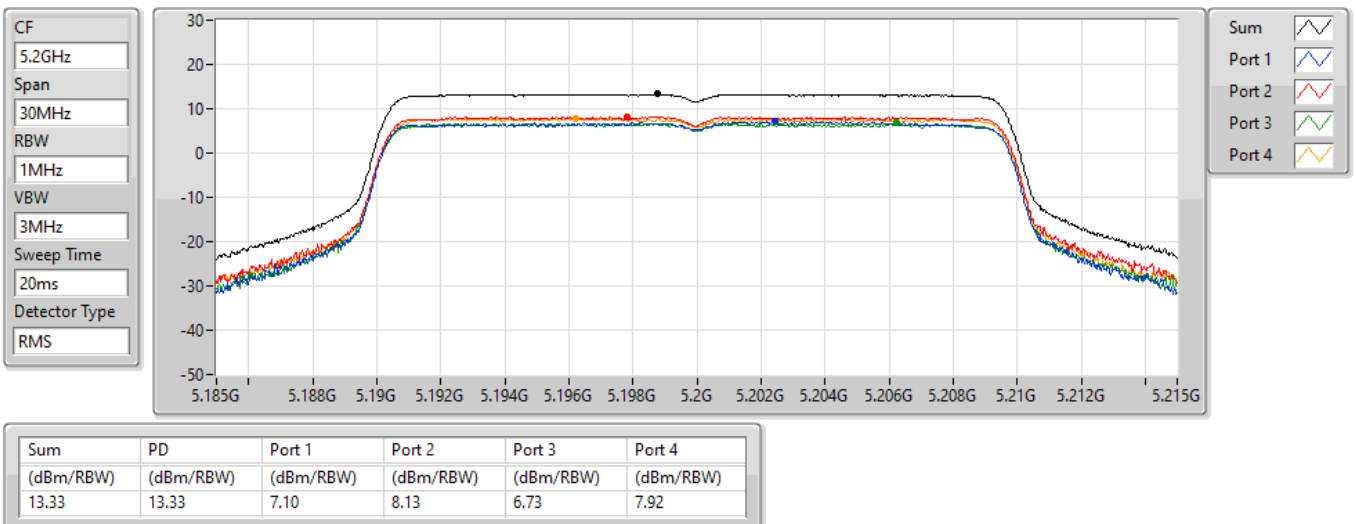


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

27/02/2022

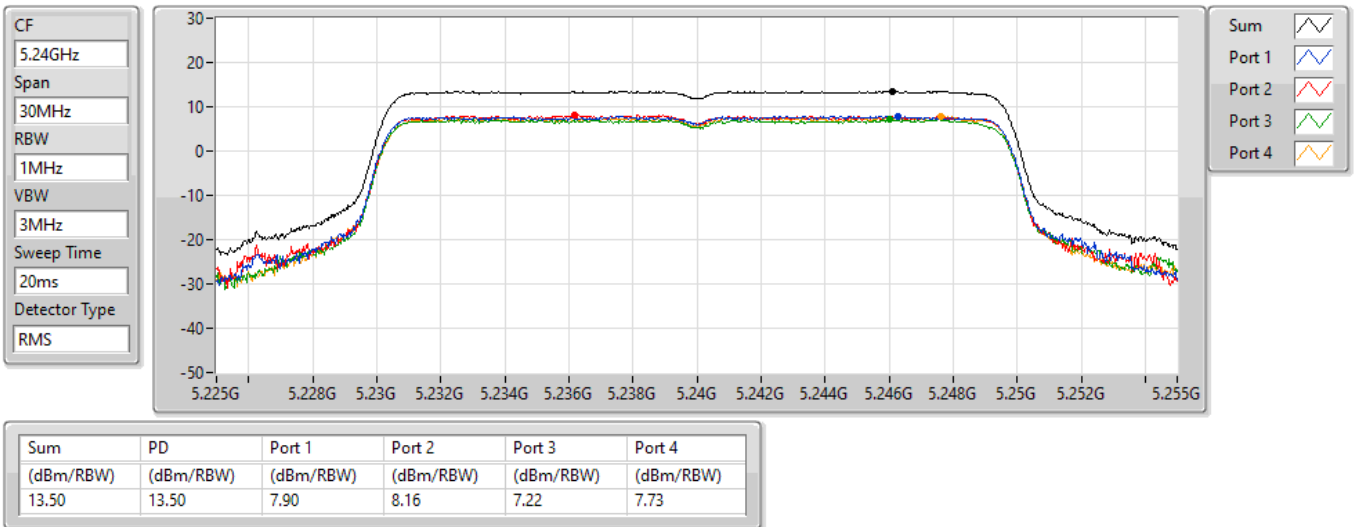


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

27/02/2022

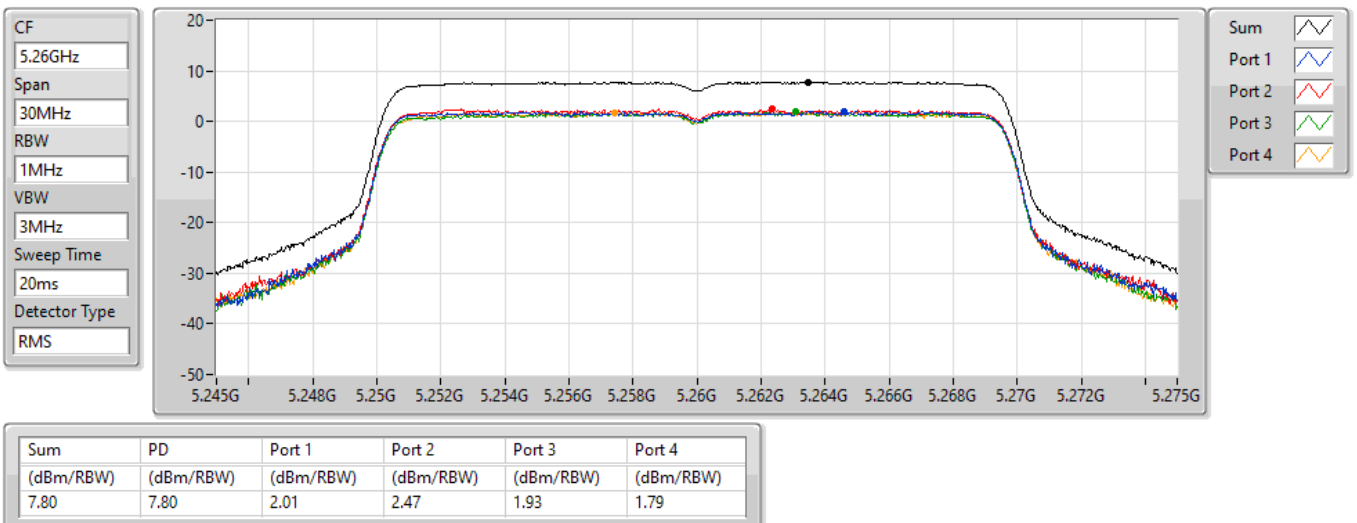


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

27/02/2022

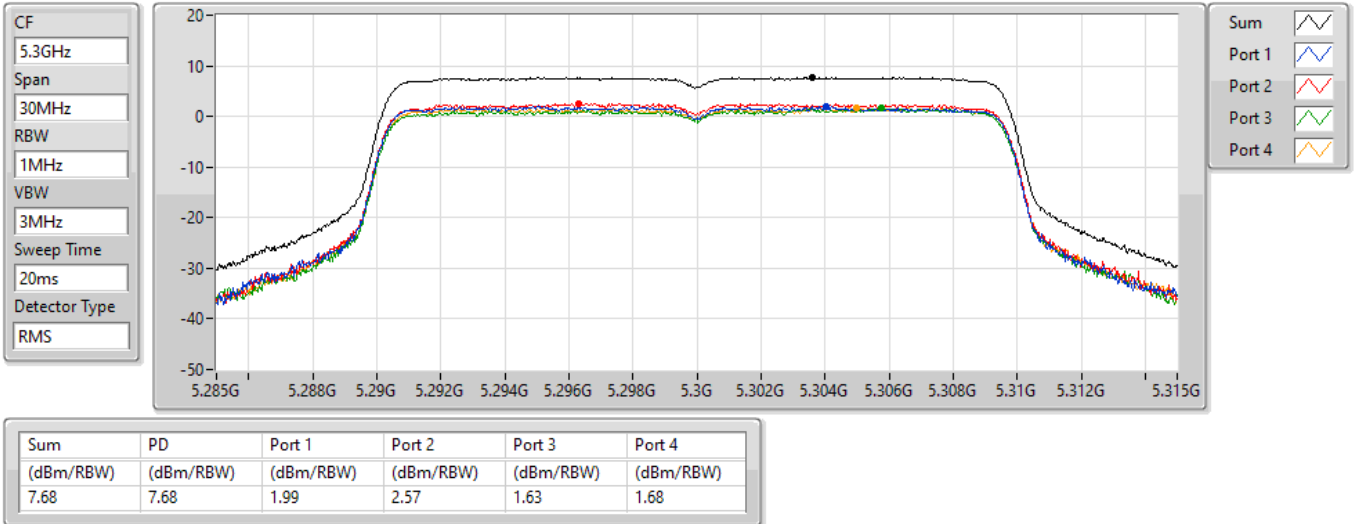


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

27/02/2022

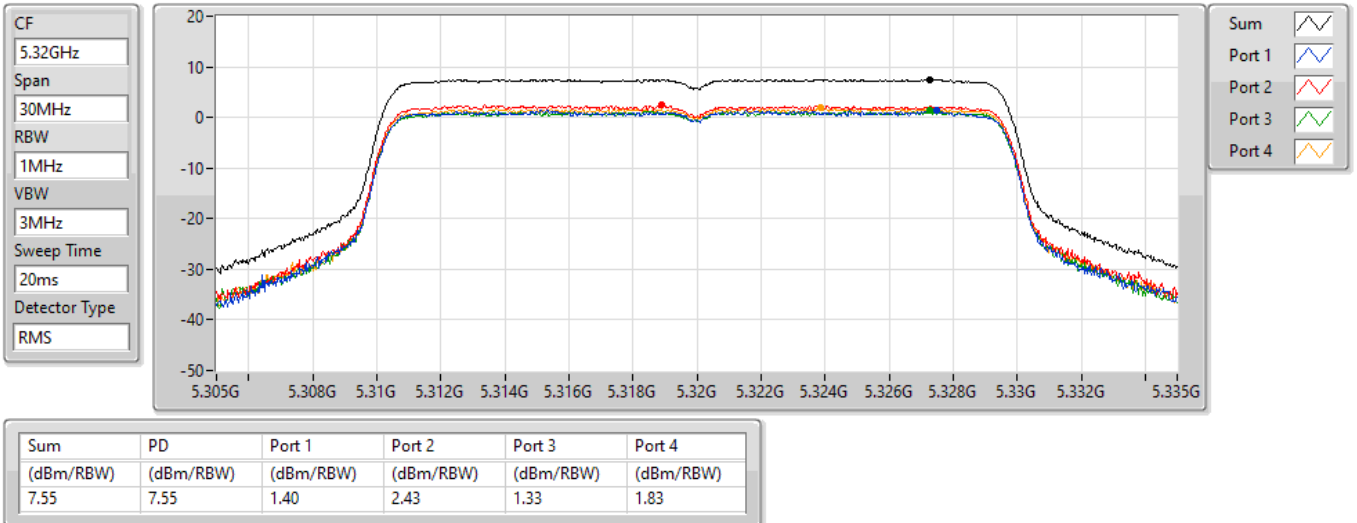


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

27/02/2022

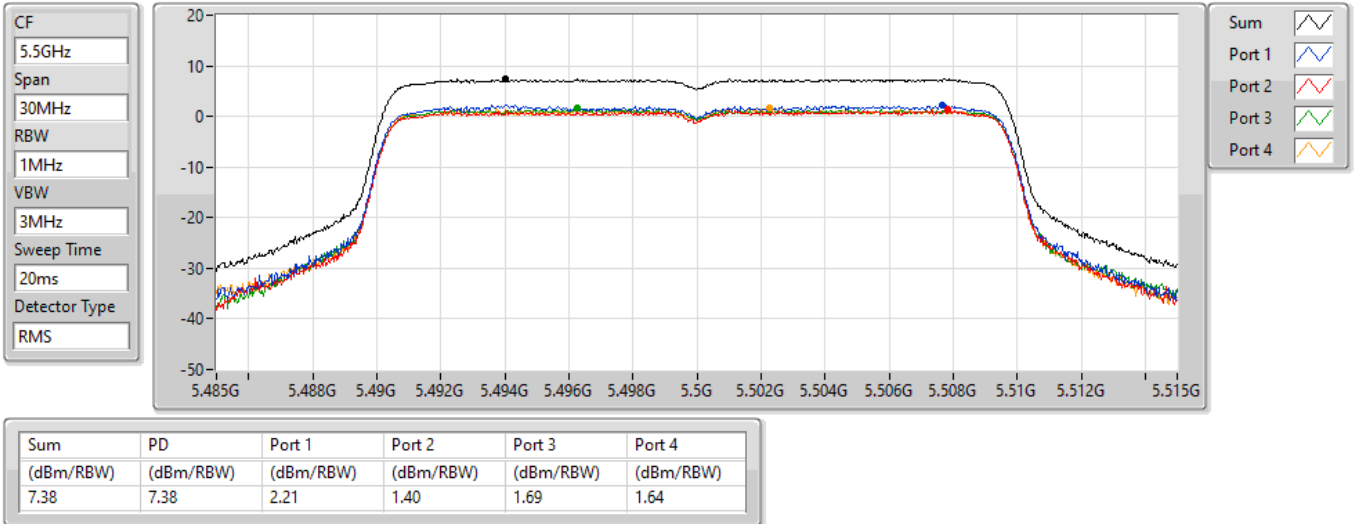


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

27/02/2022

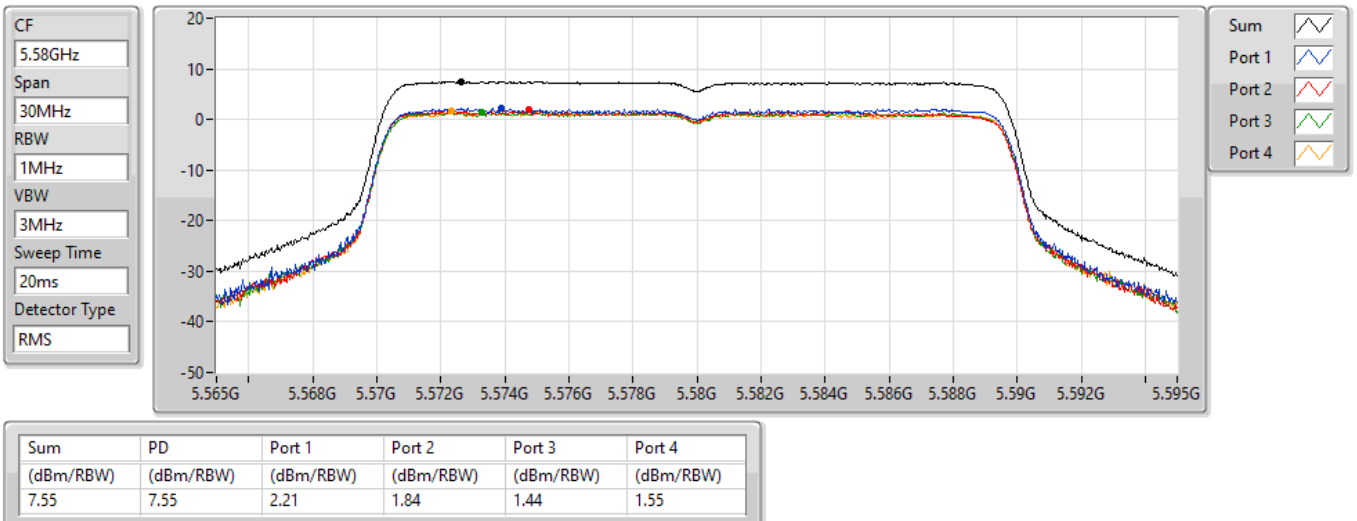


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

27/02/2022

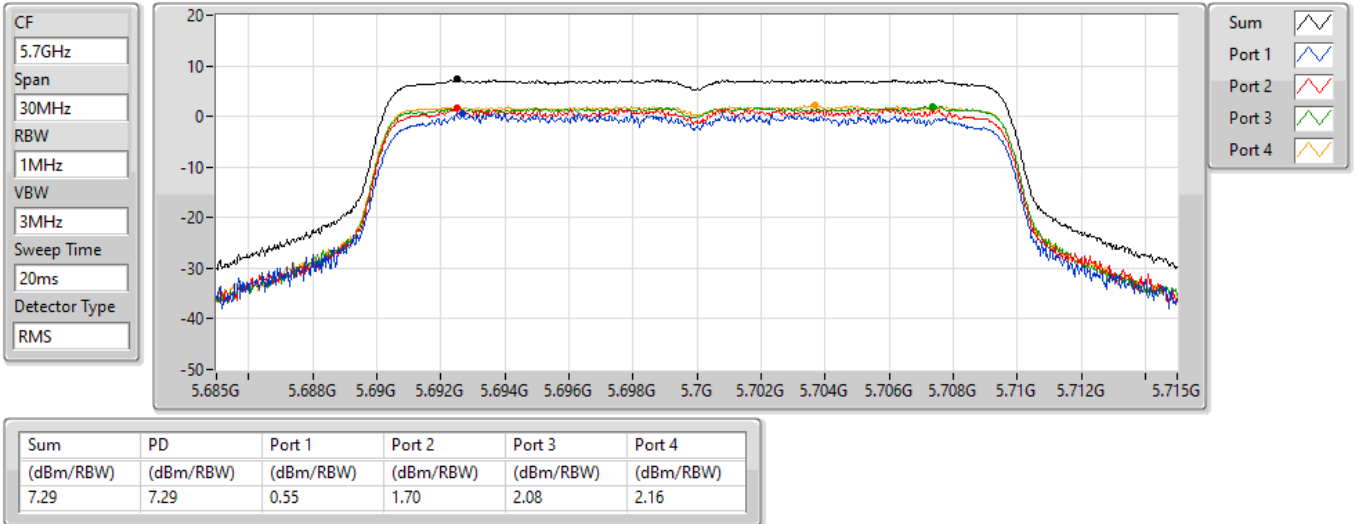


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

27/02/2022

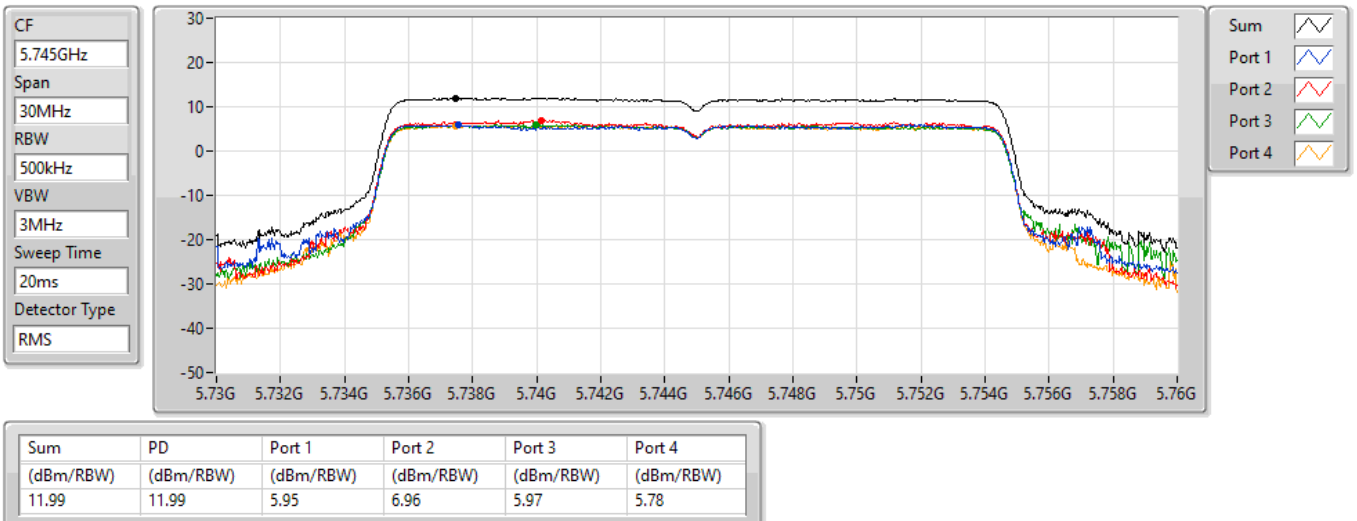


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

27/02/2022

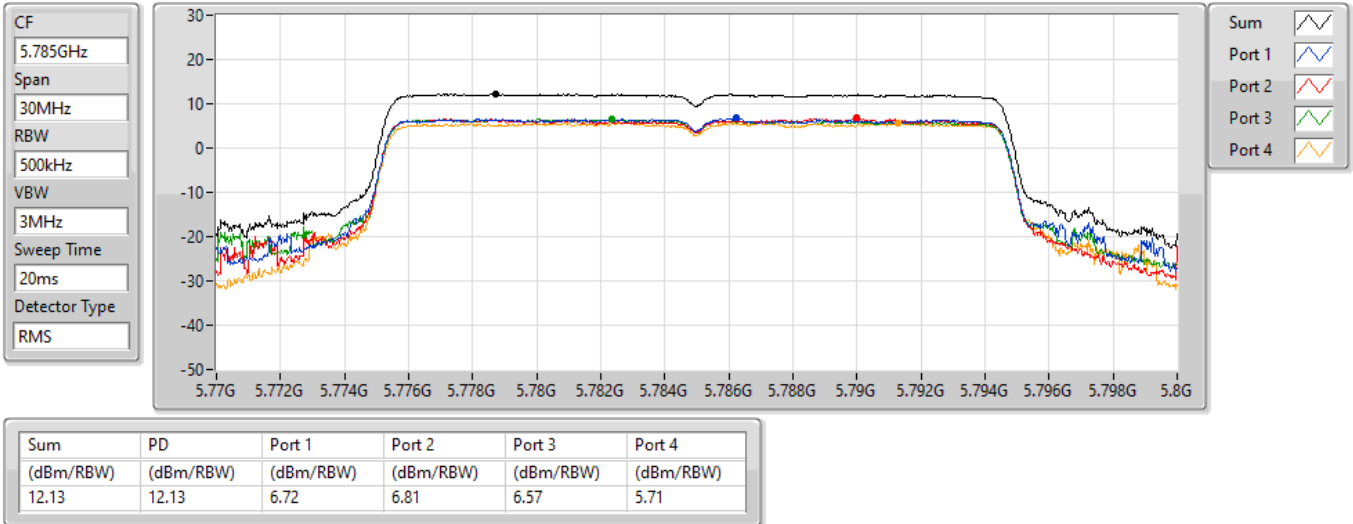


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

27/02/2022

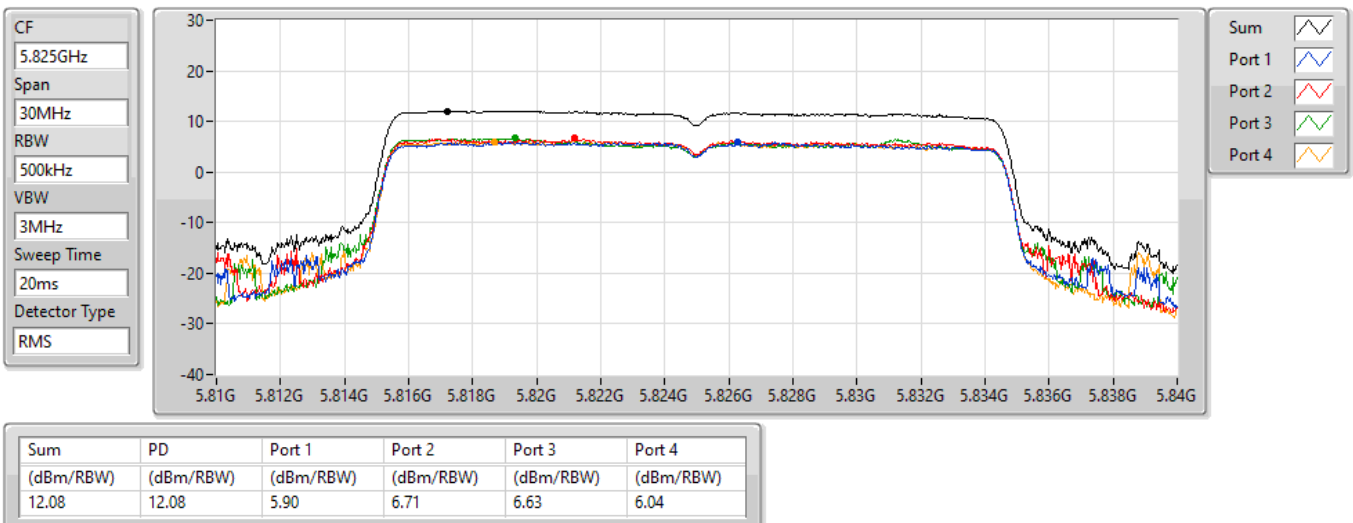


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

27/02/2022

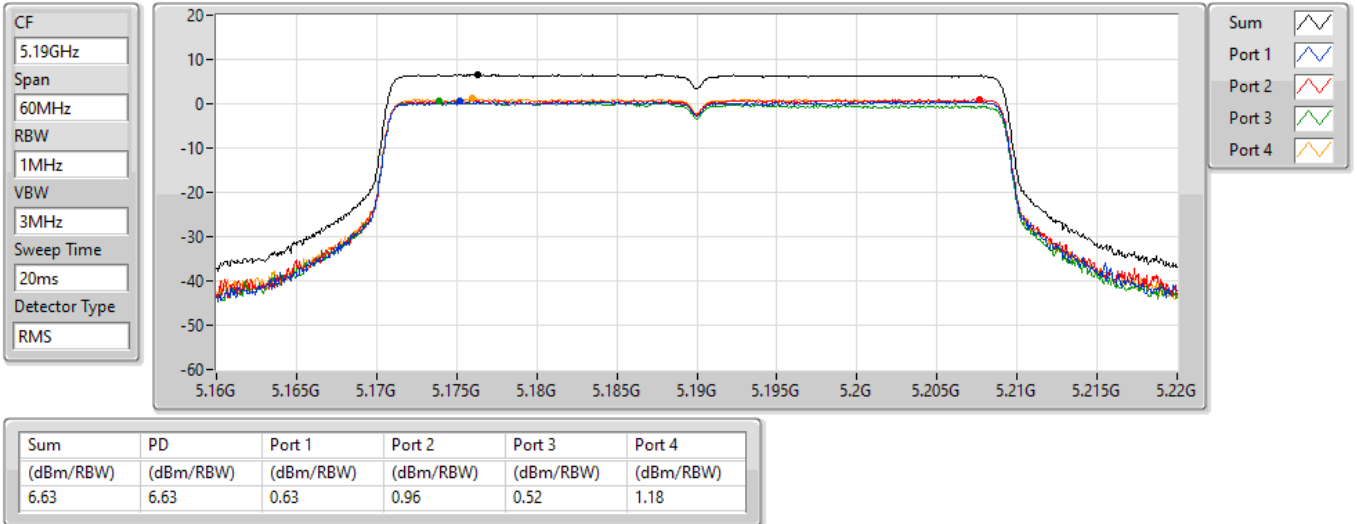


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

27/02/2022

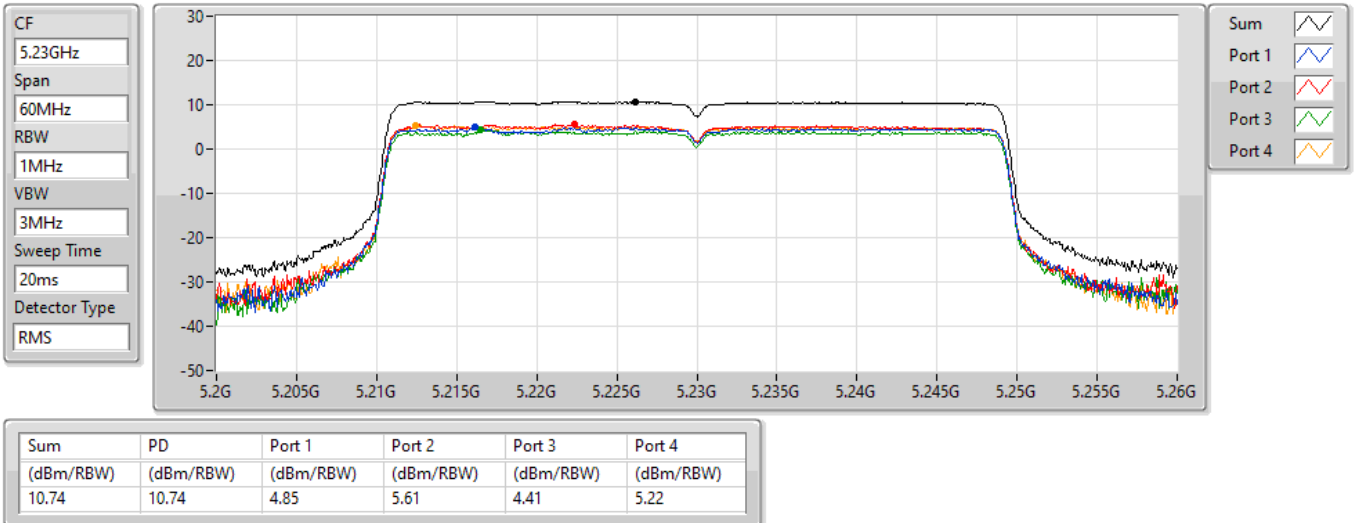


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

27/02/2022

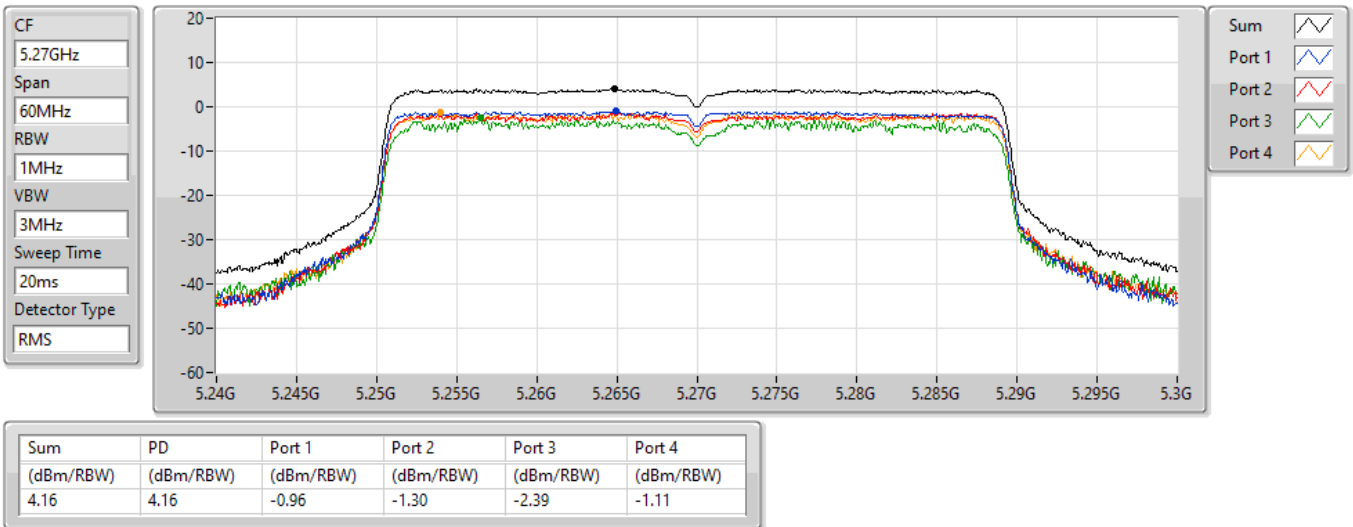


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

27/02/2022

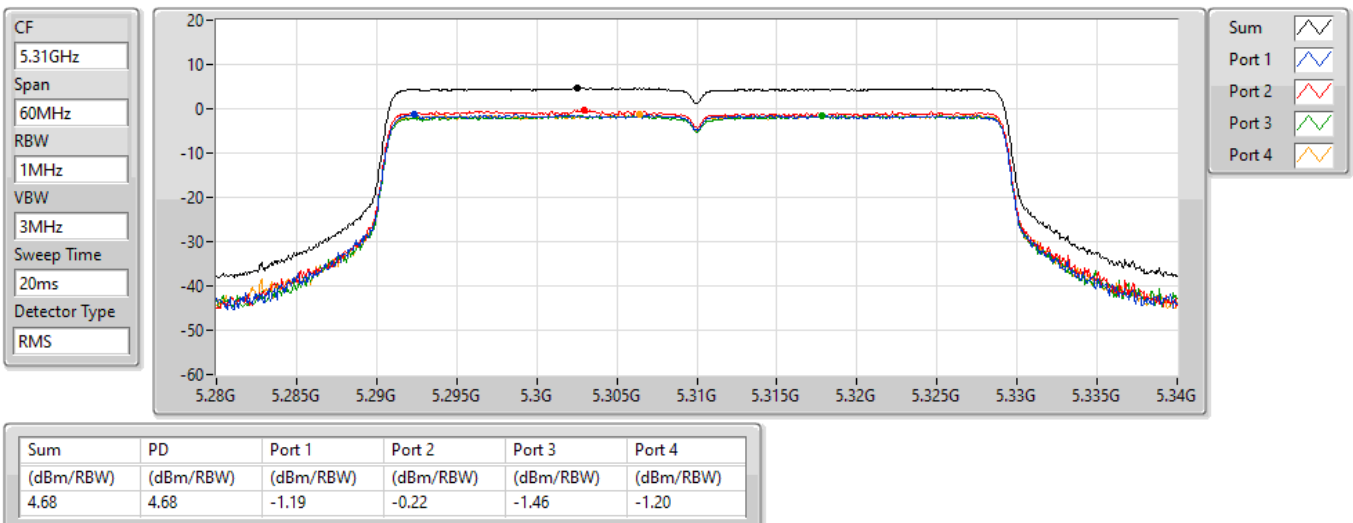


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

27/02/2022

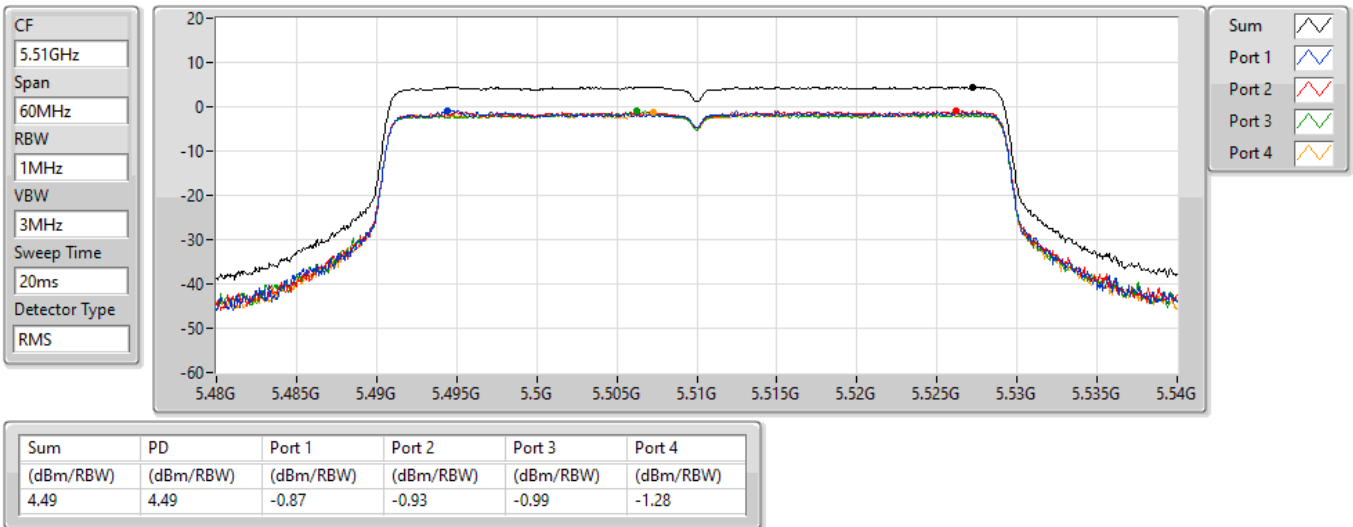


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

27/02/2022

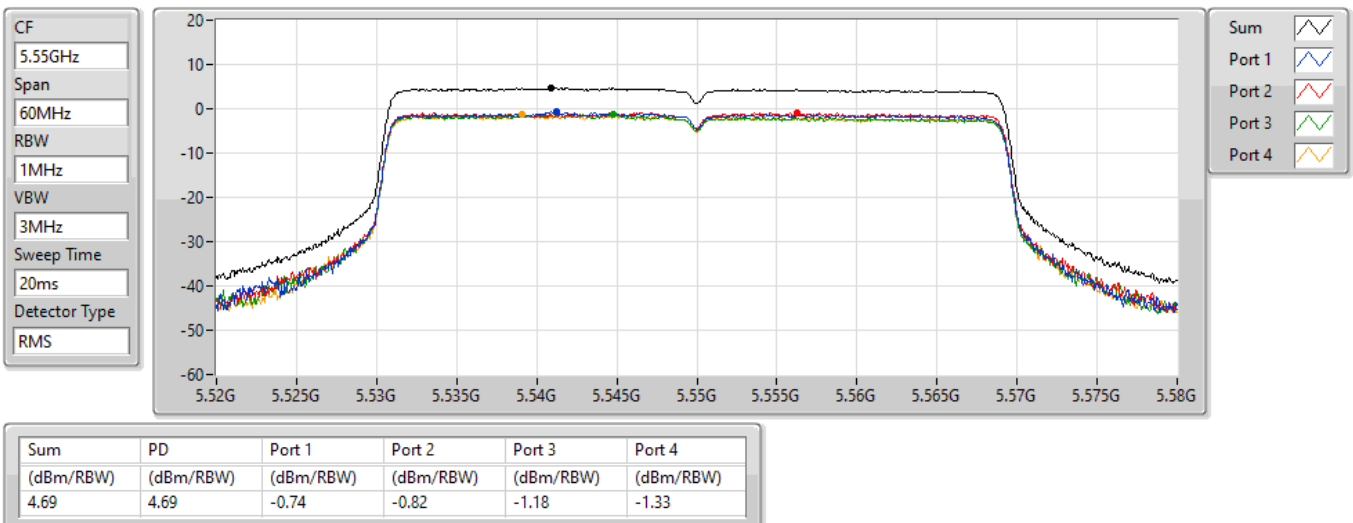


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

27/02/2022

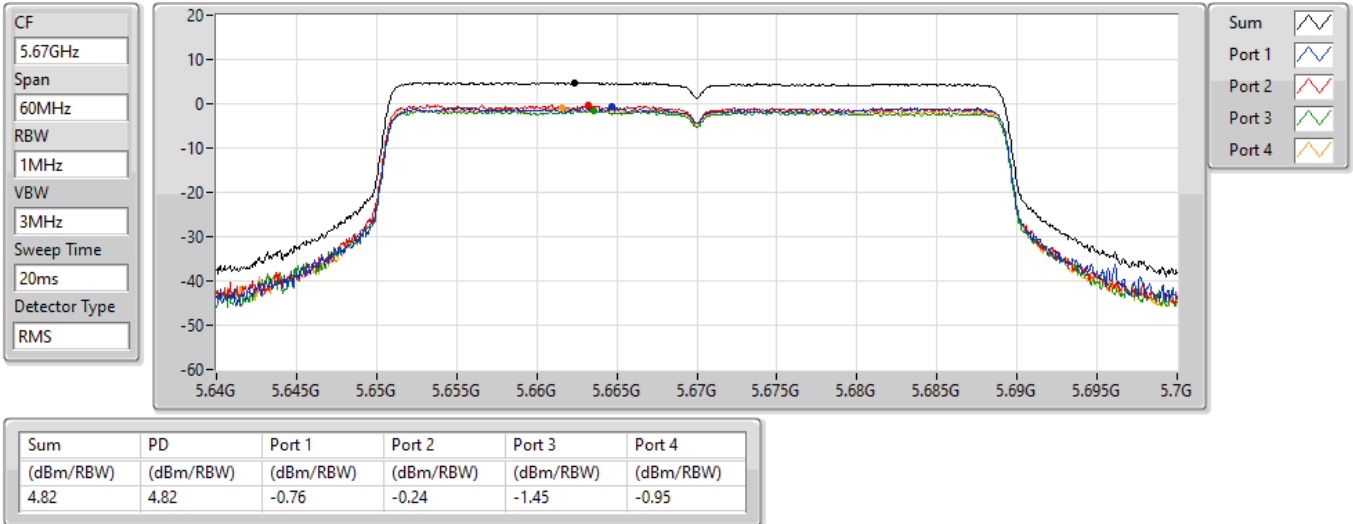


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

27/02/2022

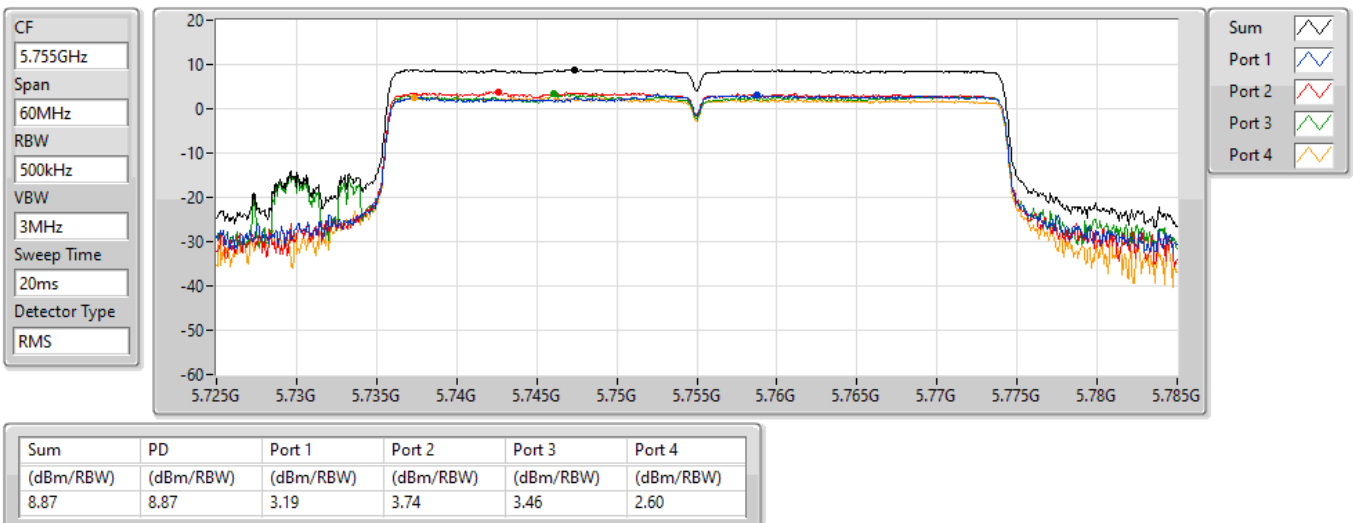


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

27/02/2022

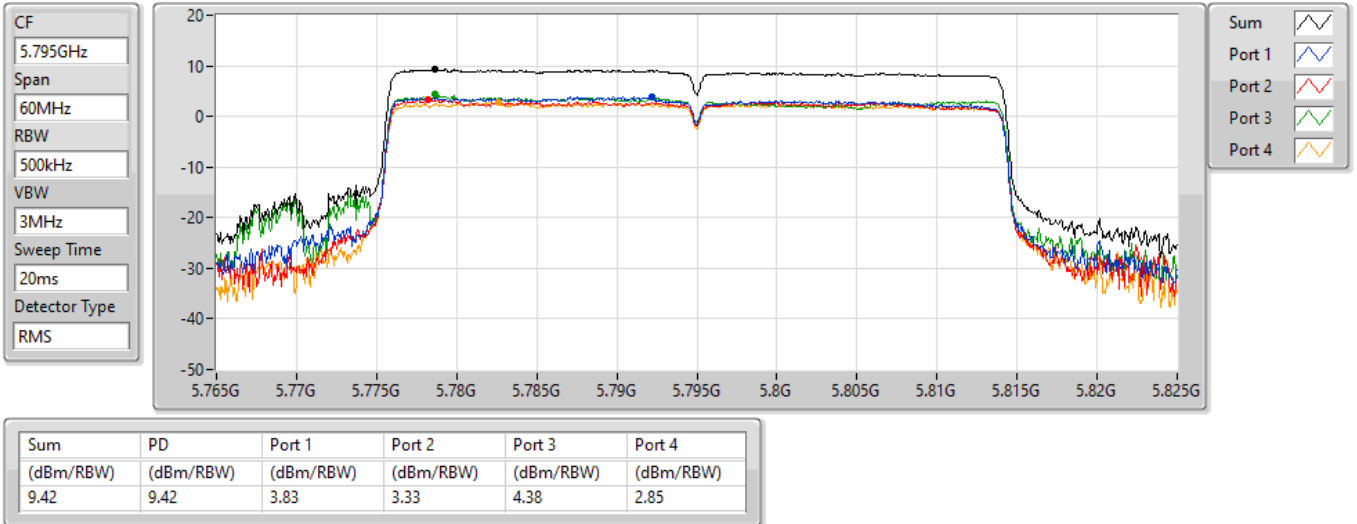


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

27/02/2022

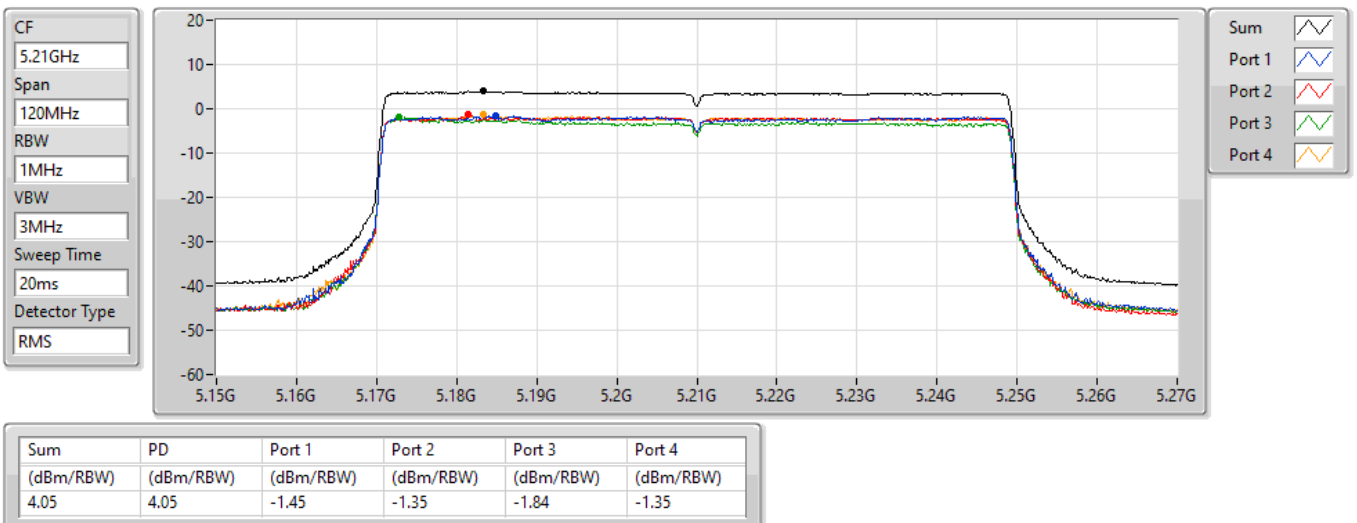


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

27/02/2022

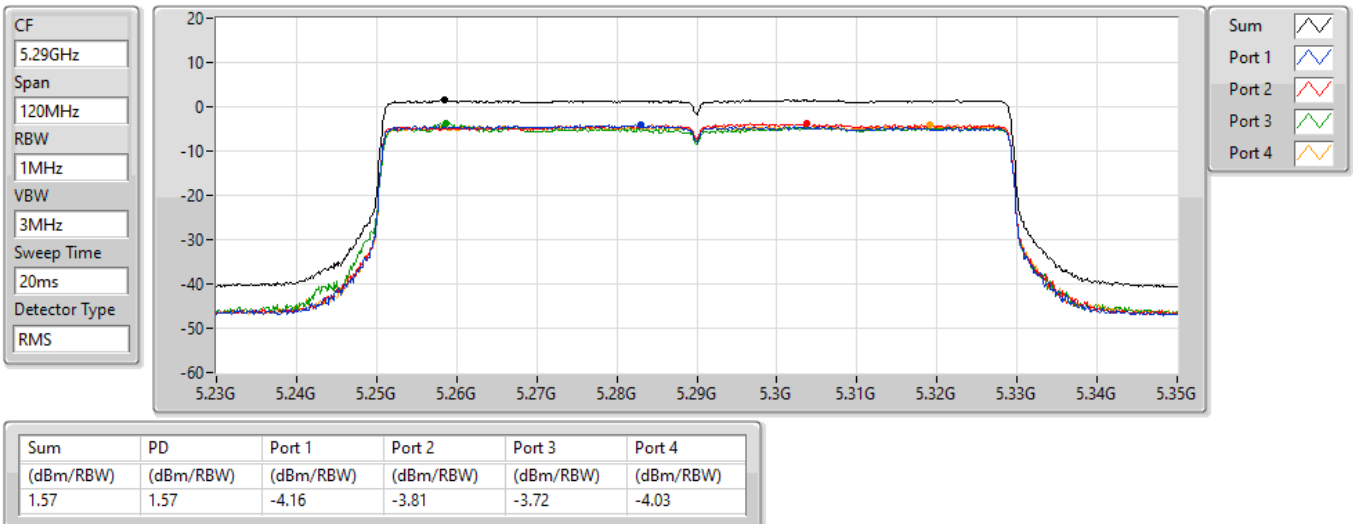


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

27/02/2022

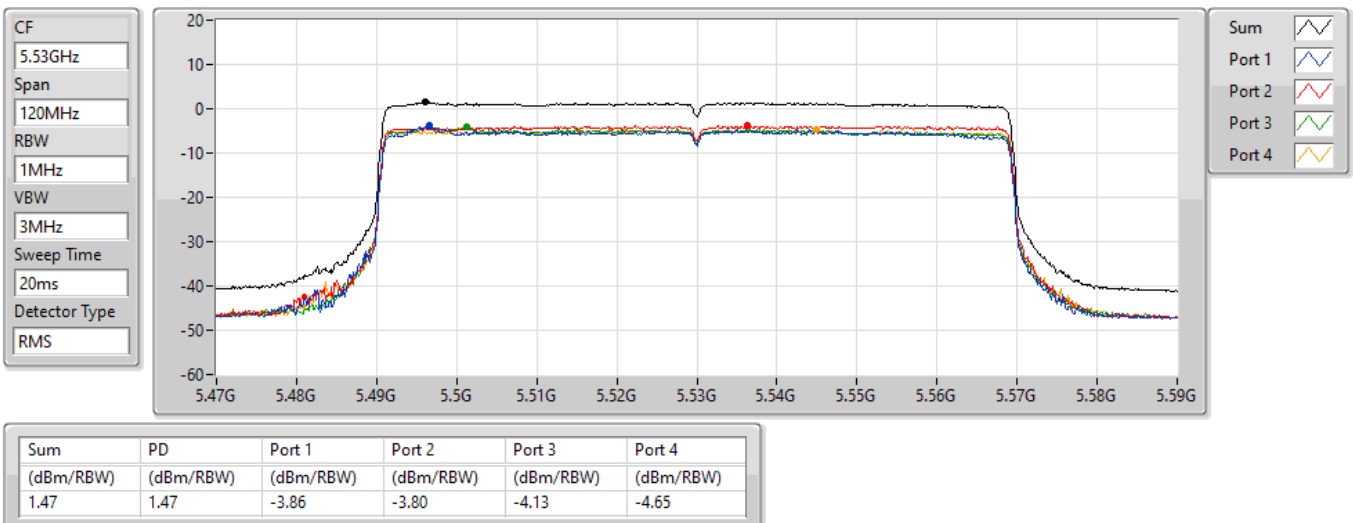


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

27/02/2022

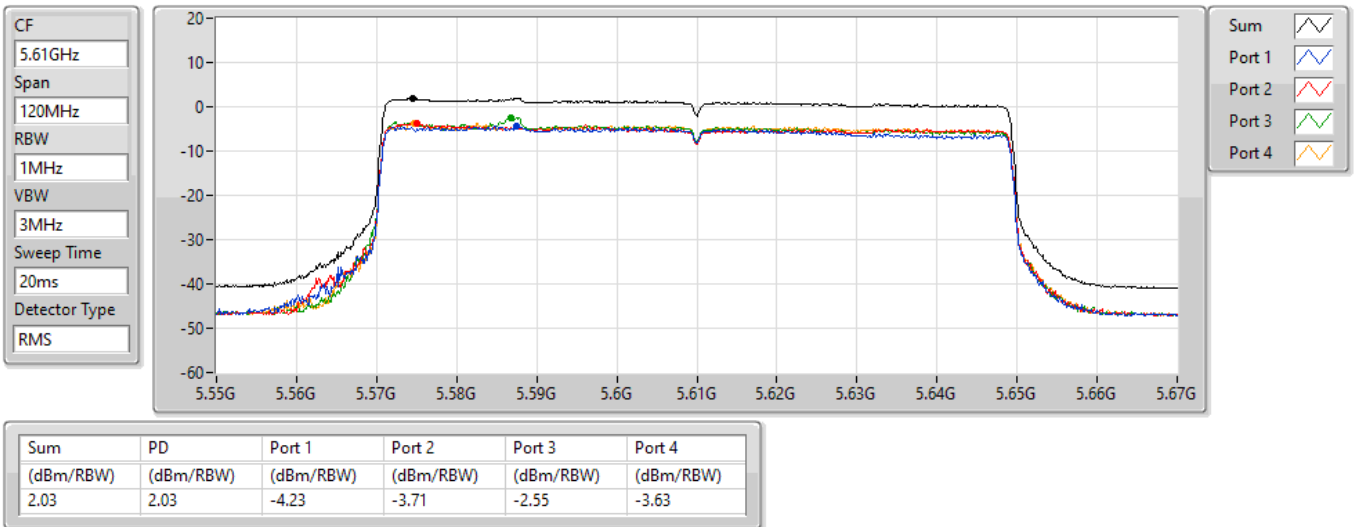


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

27/02/2022

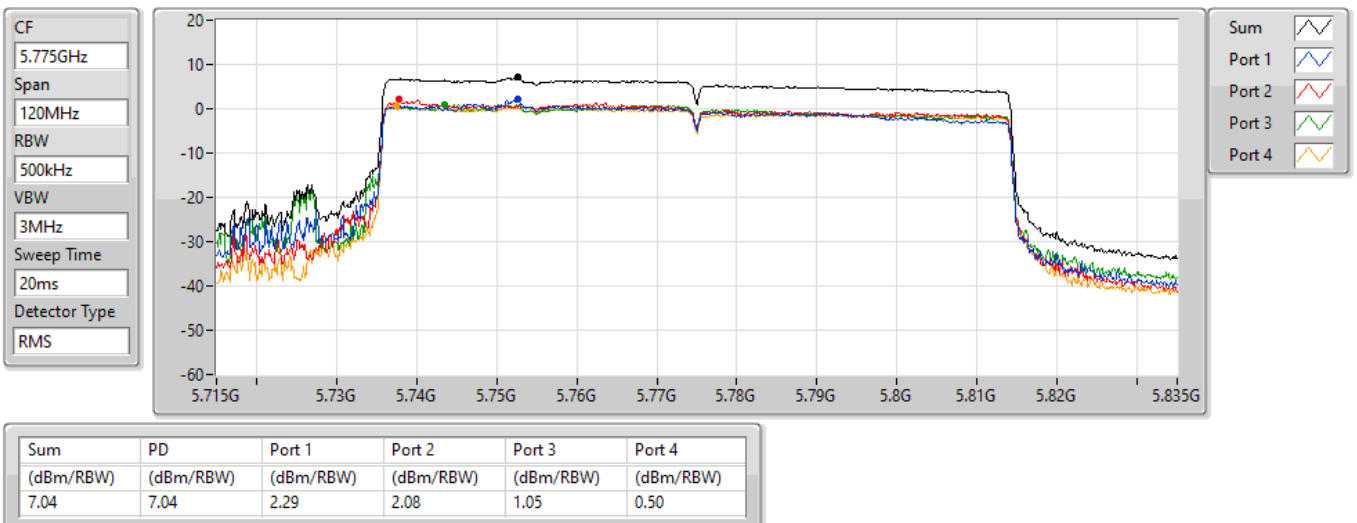


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

27/02/2022

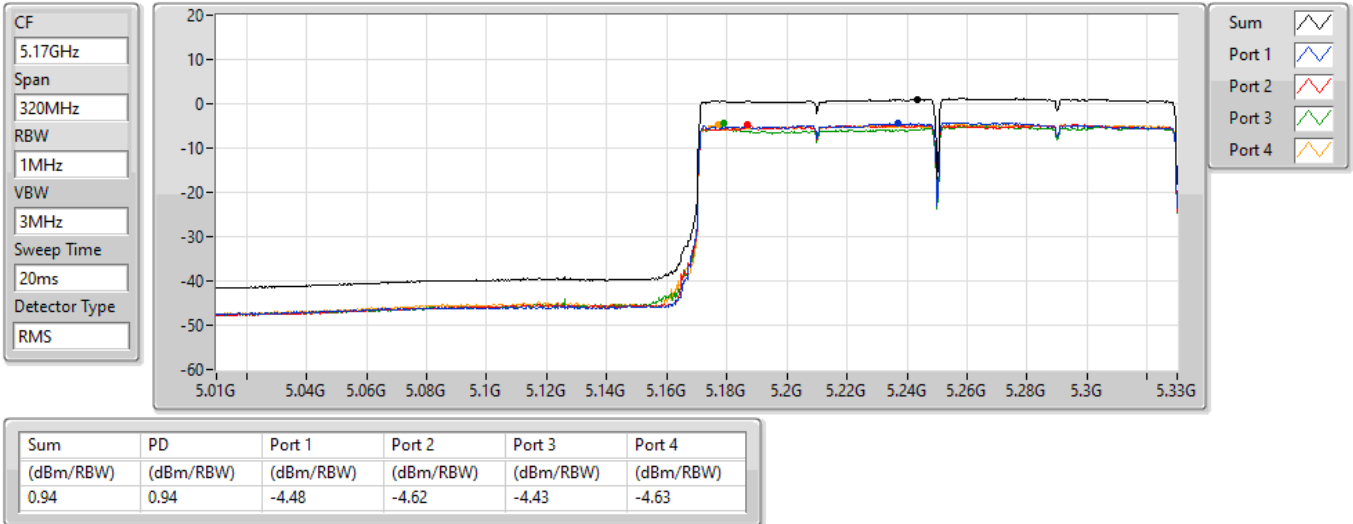


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

27/02/2022

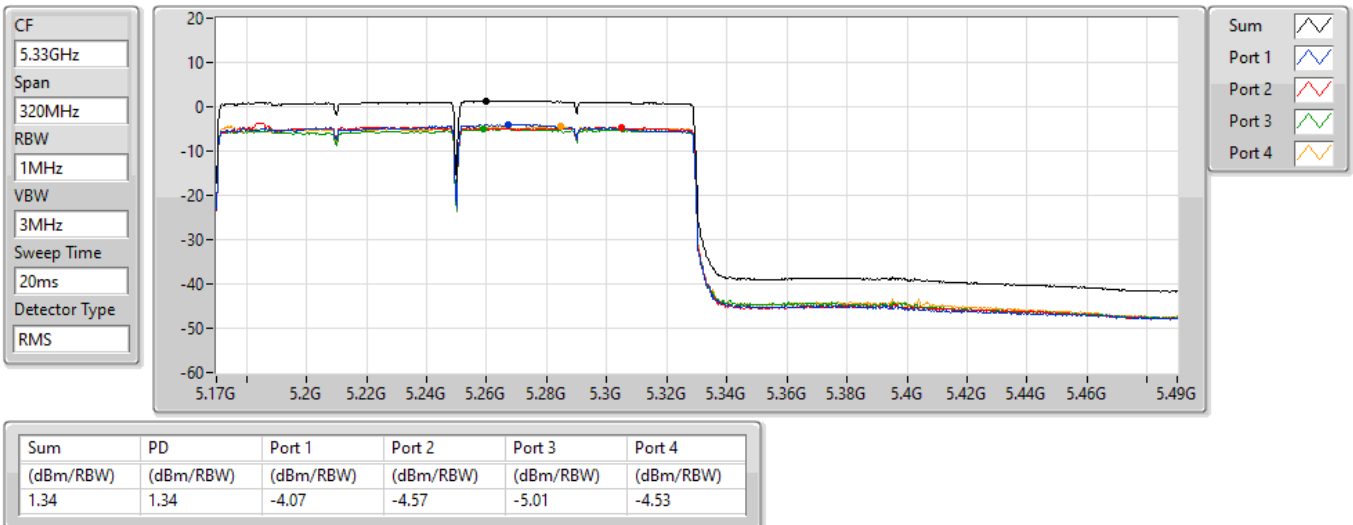


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

27/02/2022

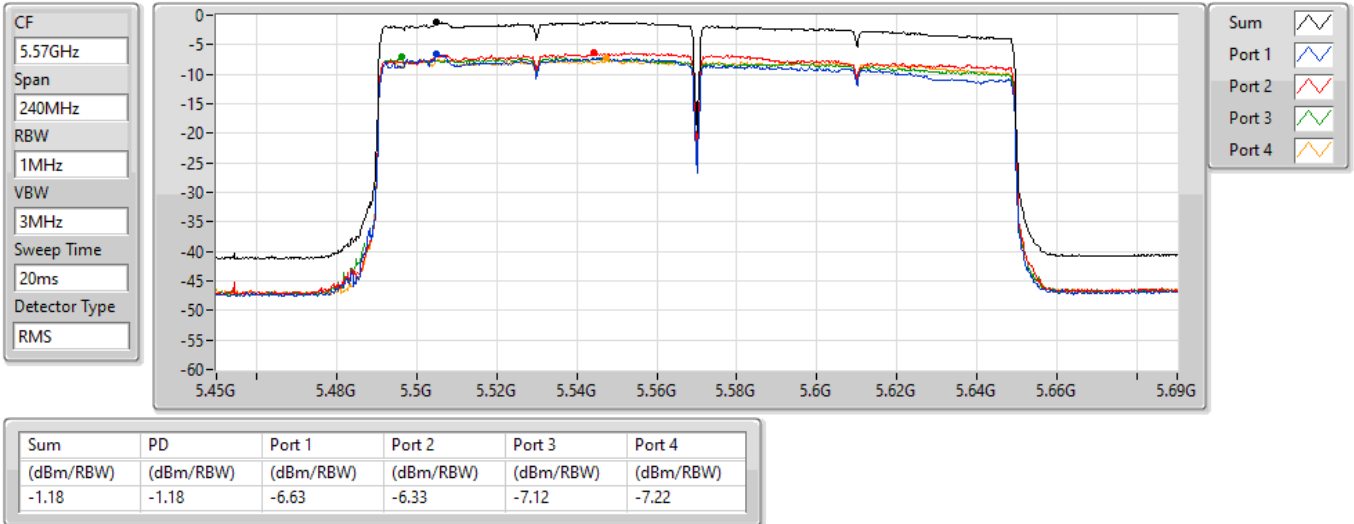


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5570MHz

27/02/2022





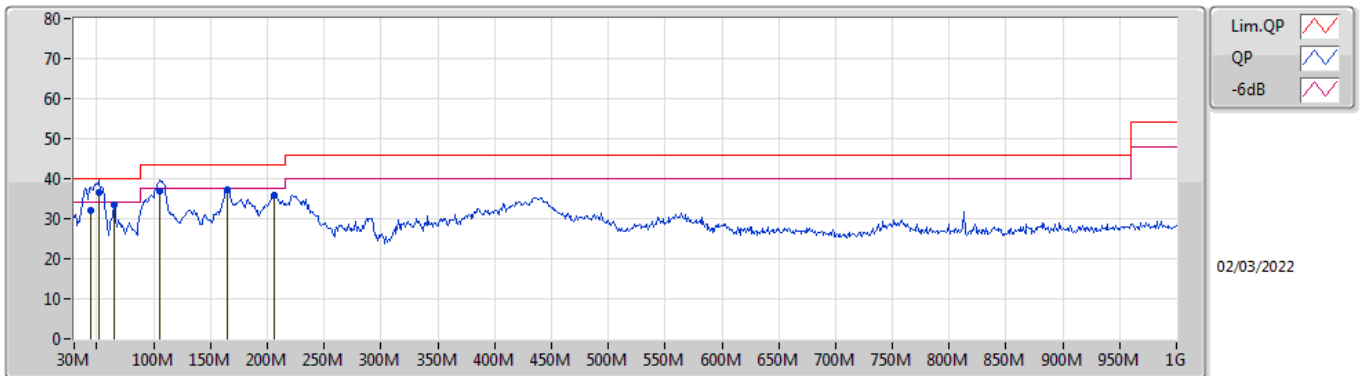
Radiated Emissions below 1GHz

Appendix E.1

Summary

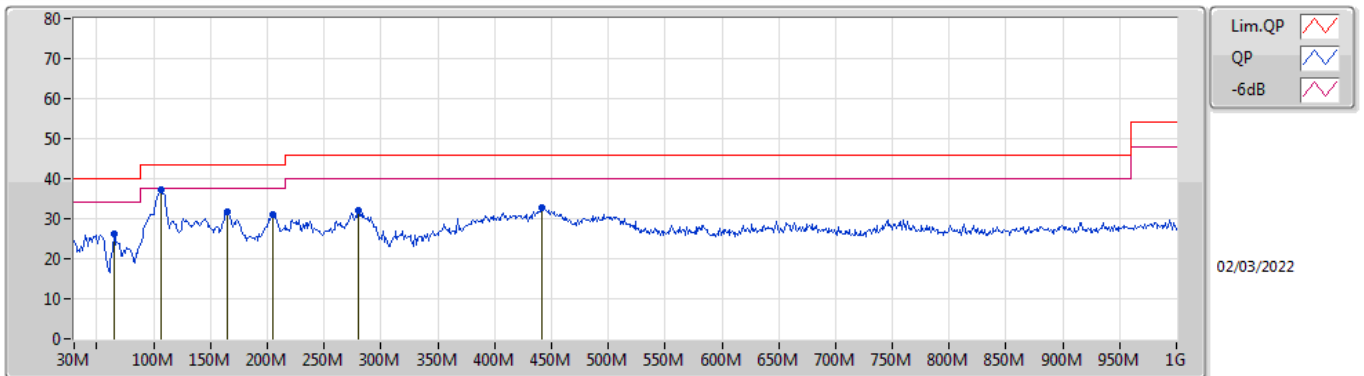
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	QP	51.34M	36.41	40.00	-3.59	Vertical

Mode 3



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	44.55M	32.24	40.00	-7.76	-15.49	3	Vertical	0	1.25	-	47.73	15.70	0.60	31.79
QP	51.34M	36.41	40.00	-3.59	-18.34	3	Vertical	359	1.00	"Worst"	54.75	12.87	0.63	31.84
PK	64.92M	33.44	40.00	-6.56	-19.78	3	Vertical	359	2.00	-	53.22	11.41	0.70	31.89
QP	105.66M	36.83	43.50	-6.67	-14.62	3	Vertical	36	1.00	-	51.45	16.45	0.83	31.90
PK	164.83M	37.34	43.50	-6.16	-16.06	3	Vertical	147	1.00	-	53.40	14.82	1.02	31.90
PK	206.54M	35.99	43.50	-7.51	-16.21	3	Vertical	360	1.25	-	52.20	14.48	1.21	31.90

Mode 3



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	64.92M	26.37	40.00	-13.63	-19.78	3	Horizontal	79	2.00	-	46.15	11.41	0.70	31.89
PK	106.63M	37.13	43.50	-6.37	-14.54	3	Horizontal	93	2.00	"Worst"	51.67	16.53	0.83	31.90
PK	164.83M	31.64	43.50	-11.86	-16.06	3	Horizontal	260	1.50	-	47.70	14.82	1.02	31.90
PK	204.6M	30.92	43.50	-12.58	-16.17	3	Horizontal	242	1.25	-	47.09	14.51	1.21	31.89
PK	280.26M	32.20	46.00	-13.80	-12.60	3	Horizontal	147	1.00	-	44.80	18.00	1.36	31.96
PK	441.28M	32.93	46.00	-13.07	-8.72	3	Horizontal	306	1.00	-	41.65	21.71	1.68	32.11

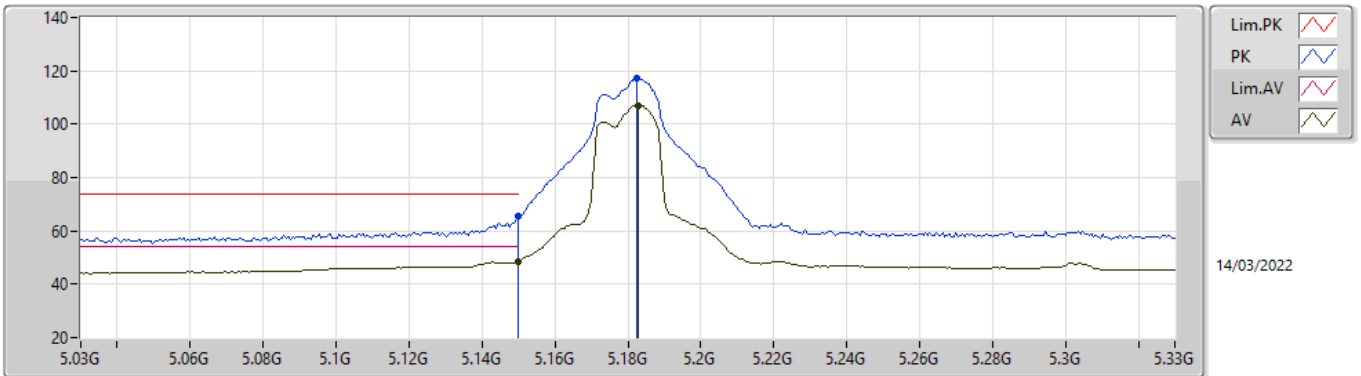


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	AV	5.12G	52.99	54.00	-1.01	3	Horizontal	119	1.28	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

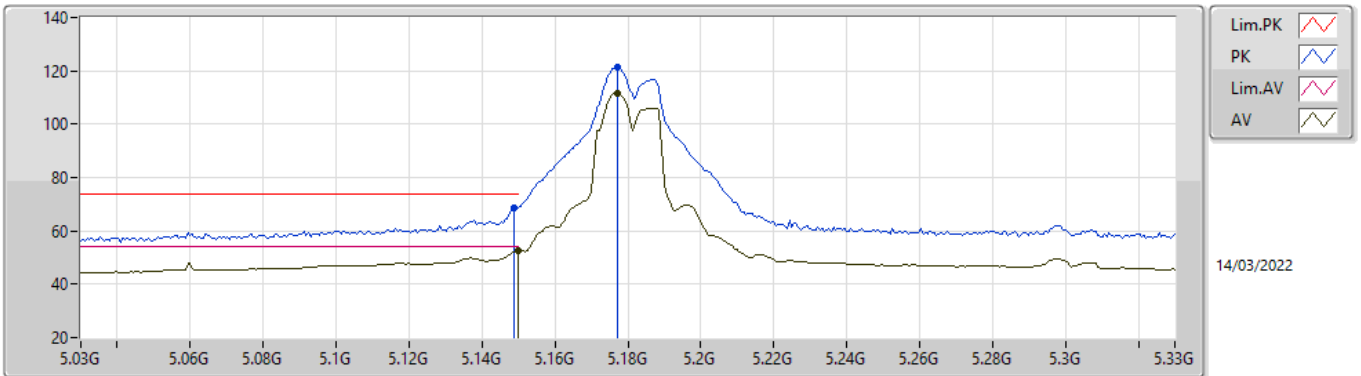


EUT X_4TX
Setting 21
04-D-K-5-10

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	65.69	74.00	-8.31	60.91	3	Vertical	350	2.73	-	32.90	5.05	33.17	
AV	5.15G	48.34	54.00	-5.66	43.56	3	Vertical	350	2.73	-	32.90	5.05	33.17	
PK	5.1824G	117.30	Inf	-Inf	112.43	3	Vertical	350	2.73	-	32.96	5.08	33.17	
AV	5.183G	107.04	Inf	-Inf	102.16	3	Vertical	350	2.73	-	32.97	5.08	33.17	

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

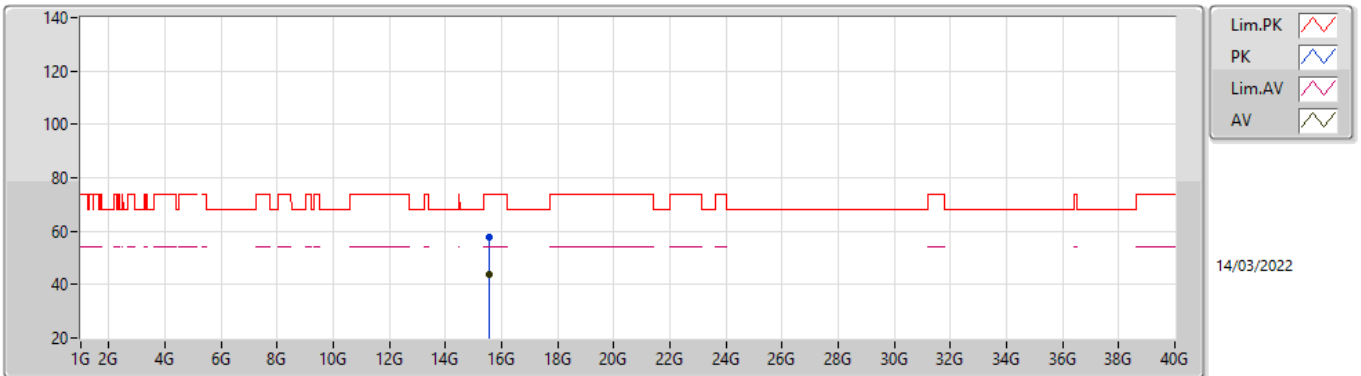


EUT X_4TX
Setting 21
04-D-K-5-10

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	5.1488G	68.71	74.00	-5.29	63.93	3	Horizontal	94	1.14	-	32.90	5.05	33.17	
AV	5.15G	52.69	54.00	-1.31	47.91	3	Horizontal	94	1.14	-	32.90	5.05	33.17	
PK	5.177G	121.39	Inf	-Inf	116.53	3	Horizontal	94	1.14	-	32.95	5.08	33.17	
AV	5.177G	111.44	Inf	-Inf	106.58	3	Horizontal	94	1.14	-	32.95	5.08	33.17	

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

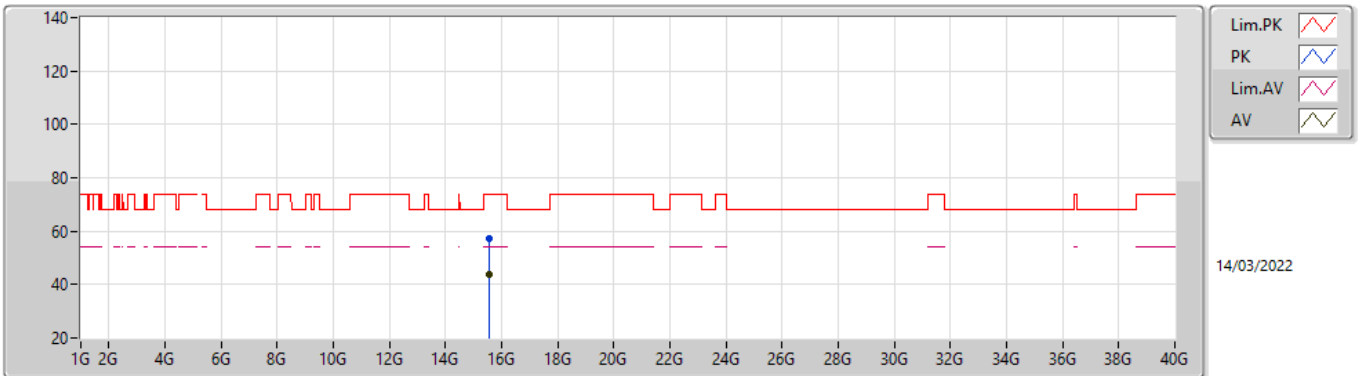


EUT_X_4TX
Setting 21
04-D-K-5

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	15.53548G	57.87	74.00	-16.13	45.16	3	Vertical	14	2.21	-	38.86	8.98	35.13
AV	15.54G	43.54	54.00	-10.46	30.84	3	Vertical	14	2.21	-	38.84	8.99	35.13

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

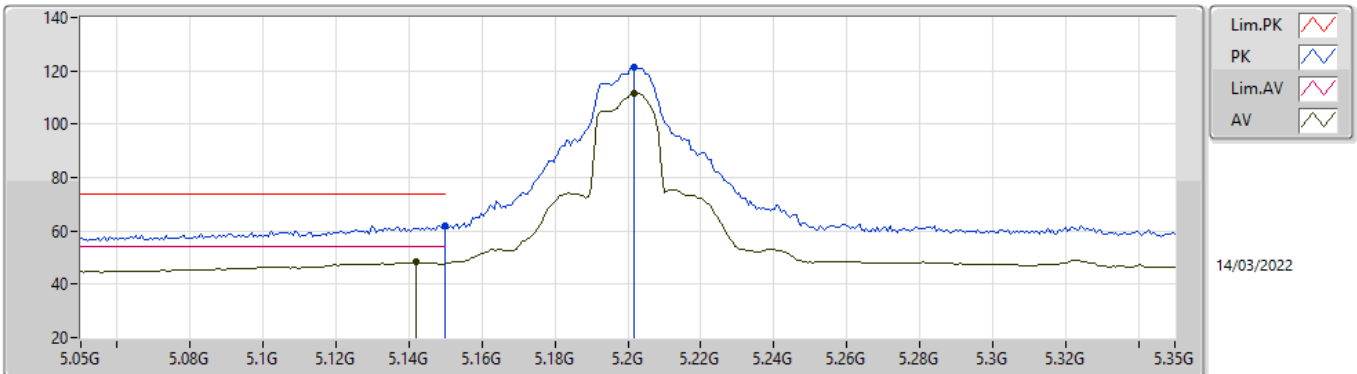


EUT_X_4TX
Setting 21
04-D-K-5

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	15.53712G	57.10	74.00	-16.90	44.40	3	Horizontal	116	2.04	-	38.85	8.98	35.13
AV	15.5399G	43.56	54.00	-10.44	30.87	3	Horizontal	116	2.04	-	38.84	8.98	35.13

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

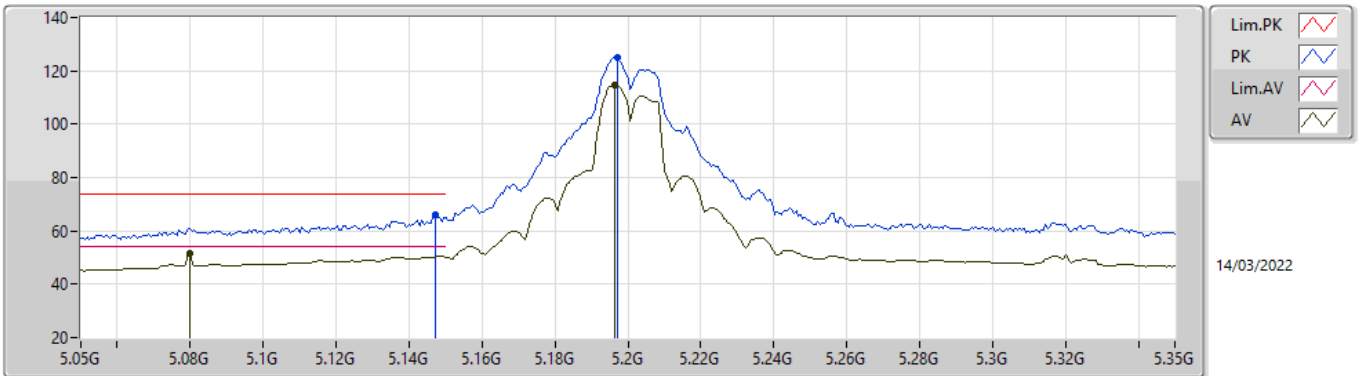


EUT X_4TX
Setting 24.5
04-D-K-5-10

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	62.04	74.00	-11.96	57.26	3	Vertical	350	2.55	-	32.90	5.05	33.17
AV	5.1418G	48.22	54.00	-5.78	43.42	3	Vertical	350	2.55	-	32.93	5.04	33.17
PK	5.2018G	121.15	Inf	-Inf	116.22	3	Vertical	350	2.55	-	33.00	5.10	33.17
AV	5.2018G	111.48	Inf	-Inf	106.55	3	Vertical	350	2.55	-	33.00	5.10	33.17

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

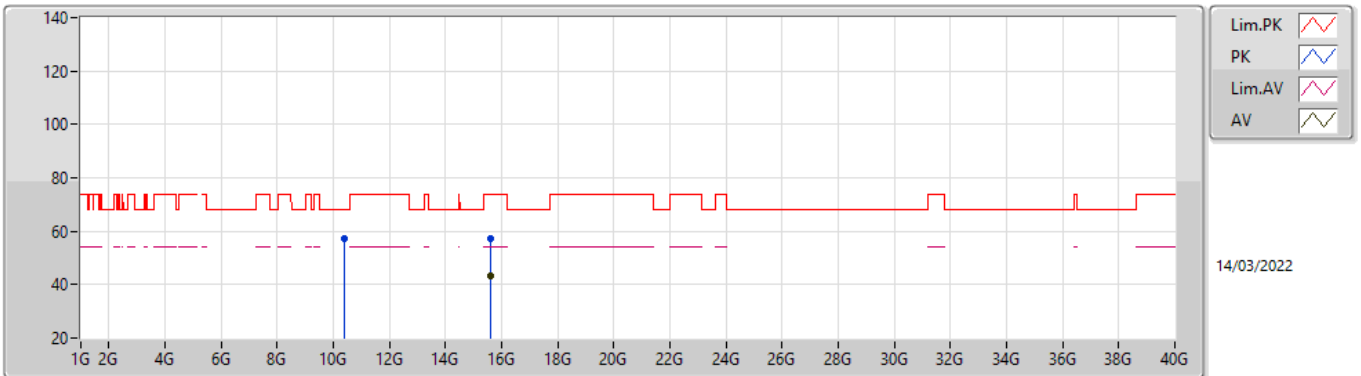


EUT X_4TX
Setting 24.5
04-D-K-5-10

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	66.15	74.00	-7.85	61.36	3	Horizontal	95	1.00	-	32.91	5.05	33.17	
AV	5.08G	51.72	54.00	-2.28	46.84	3	Horizontal	95	1.00	-	33.06	4.98	33.16	
PK	5.197G	125.09	Inf	-Inf	120.17	3	Horizontal	95	1.00	-	32.99	5.10	33.17	
AV	5.1964G	114.90	Inf	-Inf	109.98	3	Horizontal	95	1.00	-	32.99	5.10	33.17	

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

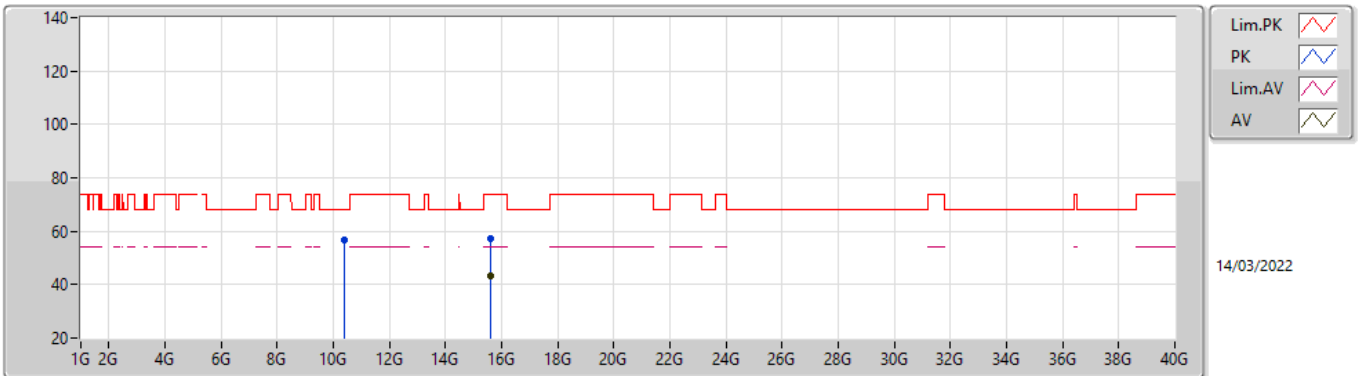


EUT_X_4TX
Setting 24.5
04-D-K-5

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	10.4G	57.39	68.20	-10.81	44.53	3	Vertical	349	2.17	-	39.00	7.88	34.02
PK	15.6035G	57.25	74.00	-16.75	44.80	3	Vertical	332	2.37	-	38.59	9.00	35.14
AV	15.59908G	43.39	54.00	-10.61	30.93	3	Vertical	332	2.37	-	38.60	9.00	35.14

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

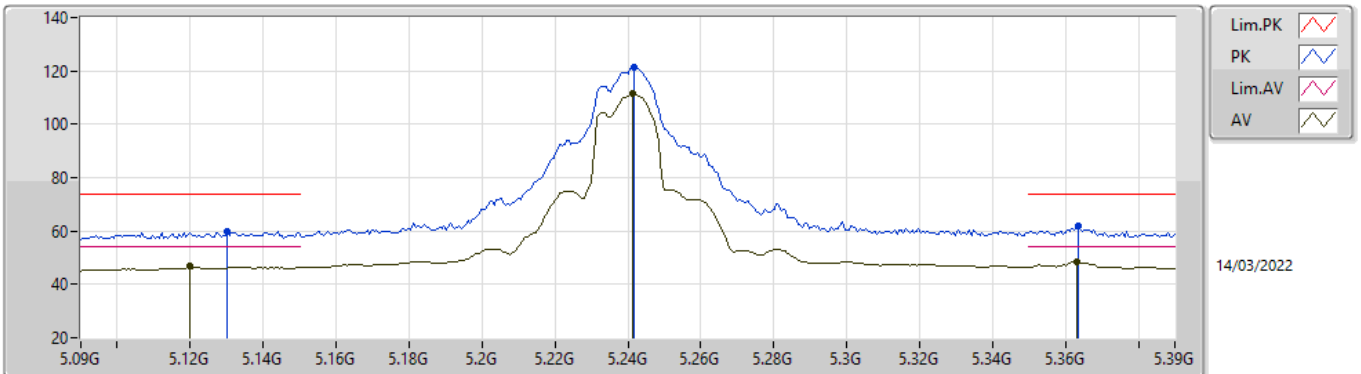


EUT_X_4TX
Setting 24.5
04-D-K-5

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	10.39986G	56.89	68.20	-11.31	44.03	3	Horizontal	331	1.66	-	39.00	7.88	34.02
PK	15.60388G	57.31	74.00	-16.69	44.86	3	Horizontal	360	2.31	-	38.59	9.00	35.14
AV	15.60224G	43.37	54.00	-10.63	30.92	3	Horizontal	360	2.31	-	38.59	9.00	35.14

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

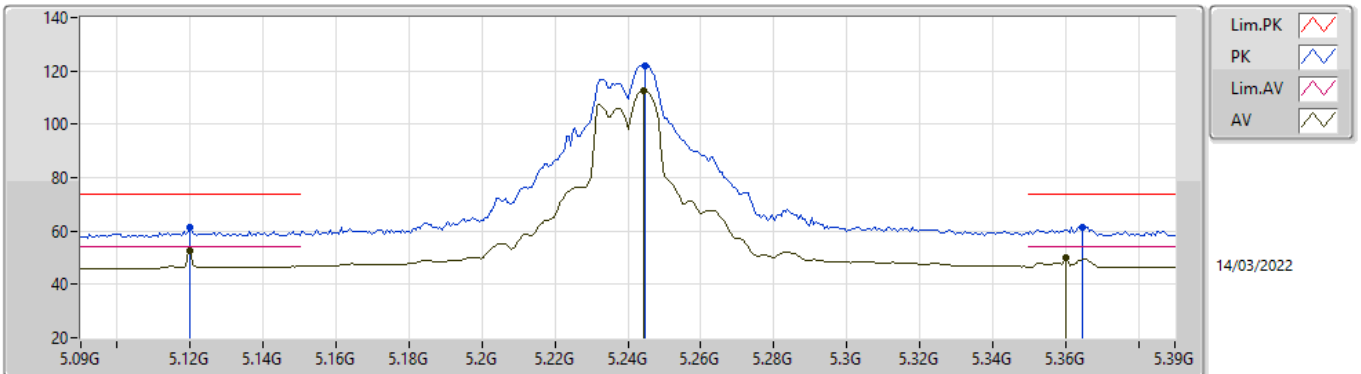


EUT_X_4TX
Setting 24
04-D-K-5-10

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	5.1302G	59.82	74.00	-14.18	54.98	3	Vertical	349	2.53	-	32.98	5.03	33.17
AV	5.12G	46.93	54.00	-7.07	42.05	3	Vertical	349	2.53	-	33.02	5.02	33.16
PK	5.2418G	121.41	Inf	-Inf	116.48	3	Vertical	349	2.53	-	33.00	5.10	33.17
AV	5.2412G	111.36	Inf	-Inf	106.43	3	Vertical	349	2.53	-	33.00	5.10	33.17
PK	5.3636G	61.92	74.00	-12.08	56.81	3	Vertical	349	2.53	-	33.18	5.10	33.17
AV	5.363G	48.41	54.00	-5.59	43.30	3	Vertical	349	2.53	-	33.18	5.10	33.17

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

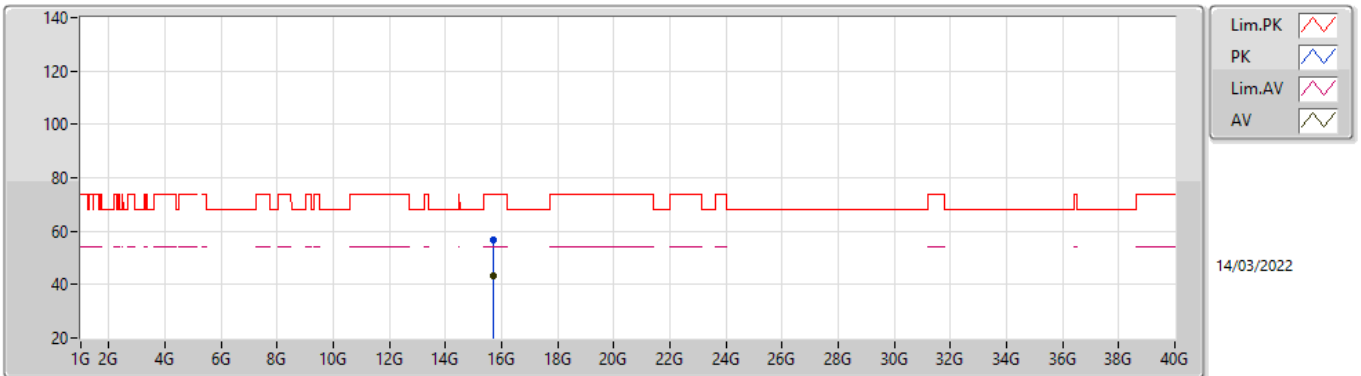


EUT_X_4TX
Setting 24
04-D-K-5-10

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	5.12G	61.40	74.00	-12.60	56.52	3	Horizontal	121	1.29	-	33.02	5.02	33.16
AV	5.12G	52.78	54.00	-1.22	47.90	3	Horizontal	121	1.29	-	33.02	5.02	33.16
PK	5.2448G	122.09	Inf	-Inf	117.16	3	Horizontal	121	1.29	-	33.00	5.10	33.17
AV	5.2442G	112.45	Inf	-Inf	107.52	3	Horizontal	121	1.29	-	33.00	5.10	33.17
PK	5.3648G	61.47	74.00	-12.53	56.35	3	Horizontal	121	1.29	-	33.19	5.10	33.17
AV	5.36G	49.77	54.00	-4.23	44.68	3	Horizontal	121	1.29	-	33.16	5.10	33.17

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

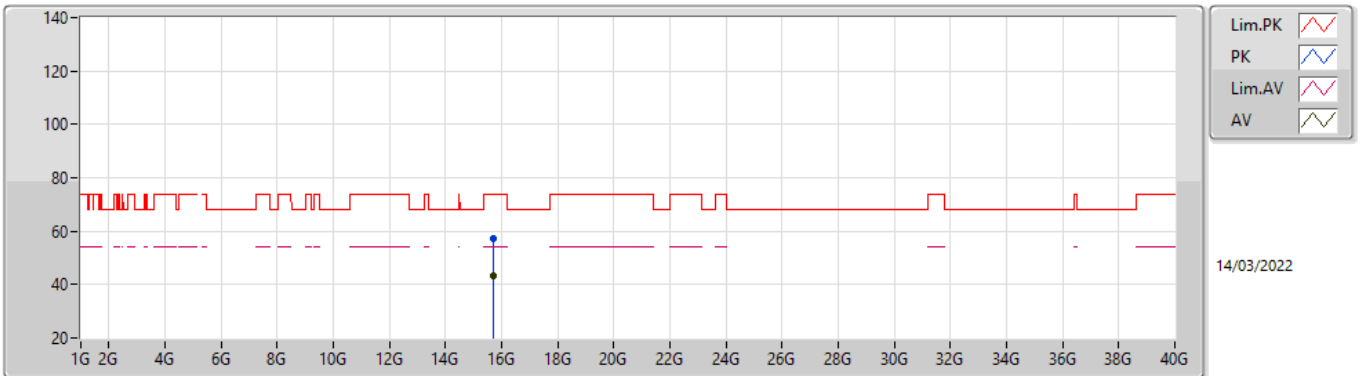


EUT_X_4TX
Setting 24
04-D-K-5

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	15.72314G	56.77	74.00	-17.23	44.49	3	Vertical	159	2.94	-	38.39	9.03	35.14
AV	15.72068G	43.12	54.00	-10.88	30.85	3	Vertical	159	2.94	-	38.38	9.03	35.14

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

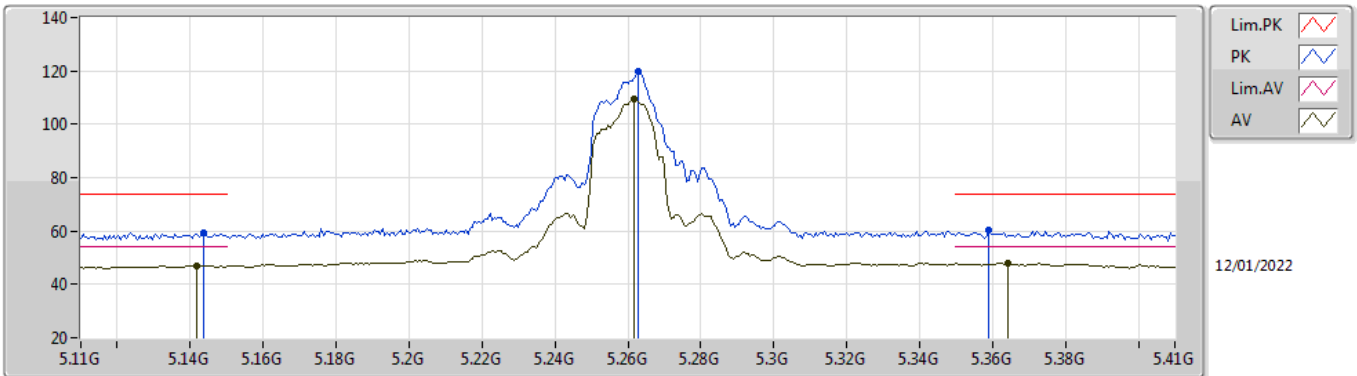


EUT_X_4TX
Setting 24
04-D-K-5

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	15.71576G	57.03	74.00	-16.97	44.78	3	Horizontal	88	1.33	-	38.36	9.03	35.14
AV	15.71892G	43.12	54.00	-10.88	30.85	3	Horizontal	88	1.33	-	38.38	9.03	35.14

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

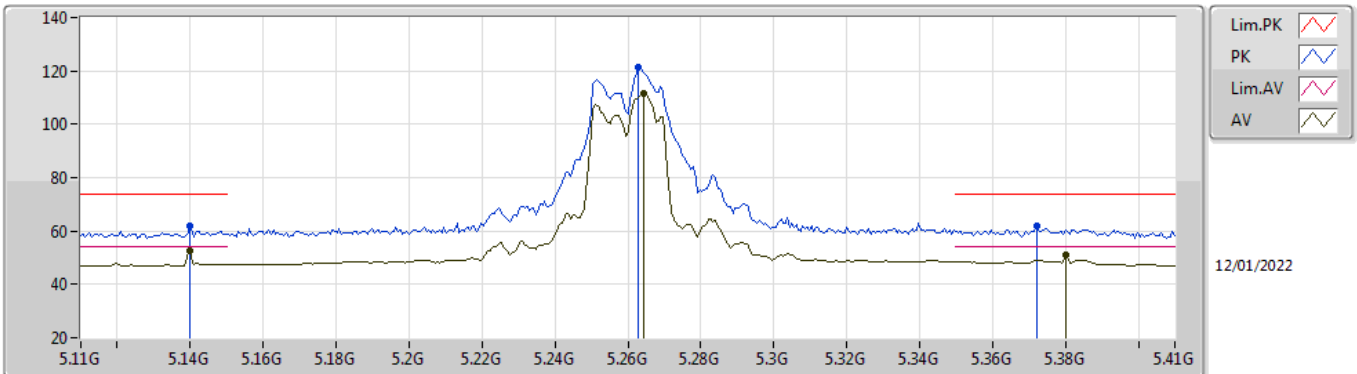


EUT X_4TX
Setting 21.5
06-D-S-5-10

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	5.1436G	59.47	74.00	-14.53	53.96	3	Vertical	347	2.64	-	31.74	5.74	31.97
AV	5.1418G	47.09	54.00	-6.91	41.57	3	Vertical	347	2.64	-	31.75	5.74	31.97
PK	5.263G	119.97	Inf	-Inf	115.10	3	Vertical	347	2.64	-	31.10	5.80	32.03
AV	5.2618G	109.49	Inf	-Inf	104.62	3	Vertical	347	2.64	-	31.10	5.80	32.03
PK	5.359G	60.32	74.00	-13.68	55.44	3	Vertical	347	2.64	-	31.15	5.80	32.07
AV	5.3644G	47.84	54.00	-6.16	42.92	3	Vertical	347	2.64	-	31.19	5.80	32.07

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

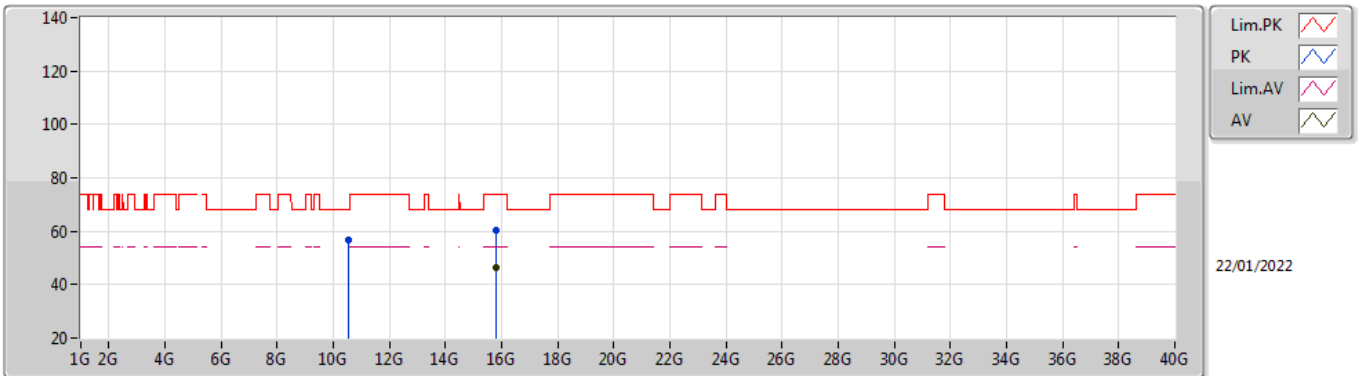


EUT_X_4TX
Setting 21.5
06-D-S-5-10

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	5.14G	61.84	74.00	-12.16	56.31	3	Horizontal	118	1.20	-	31.76	5.74	31.97
AV	5.14G	52.51	54.00	-1.49	46.98	3	Horizontal	118	1.20	-	31.76	5.74	31.97
PK	5.263G	121.59	Inf	-Inf	116.72	3	Horizontal	118	1.20	-	31.10	5.80	32.03
AV	5.2642G	111.32	Inf	-Inf	106.45	3	Horizontal	118	1.20	-	31.10	5.80	32.03
PK	5.3722G	61.69	74.00	-12.31	56.73	3	Horizontal	118	1.20	-	31.23	5.80	32.07
AV	5.38G	50.99	54.00	-3.01	45.99	3	Horizontal	118	1.20	-	31.28	5.80	32.08

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

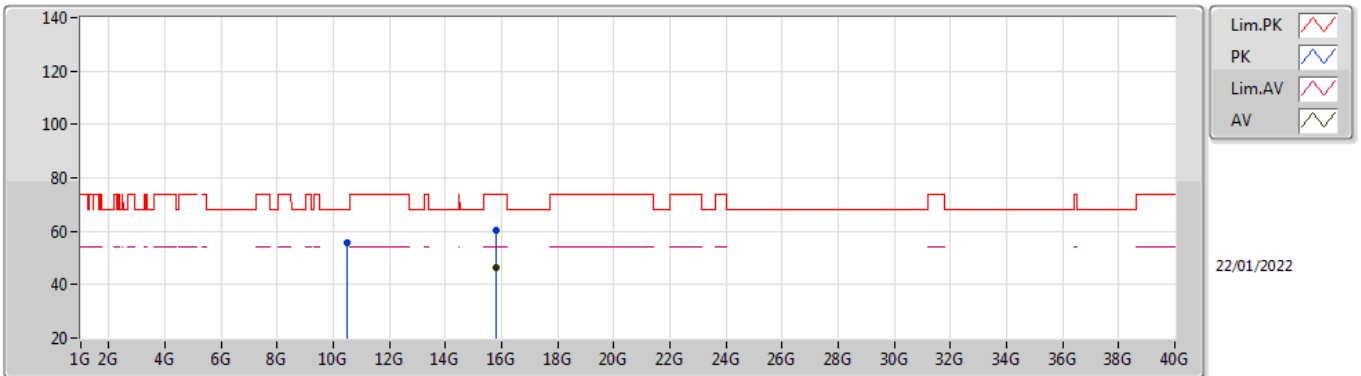


EUT X_4TX
Setting 21.5
06-F-B-4

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	10.52004G	56.93	68.20	-11.27	42.54	3	Vertical	338	1.80	-	39.62	8.91	34.14
PK	15.78172G	60.21	74.00	-13.79	44.28	3	Vertical	52	2.33	-	37.80	12.46	34.33
AV	15.78G	46.40	54.00	-7.60	30.47	3	Vertical	52	2.33	-	37.80	12.46	34.33

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

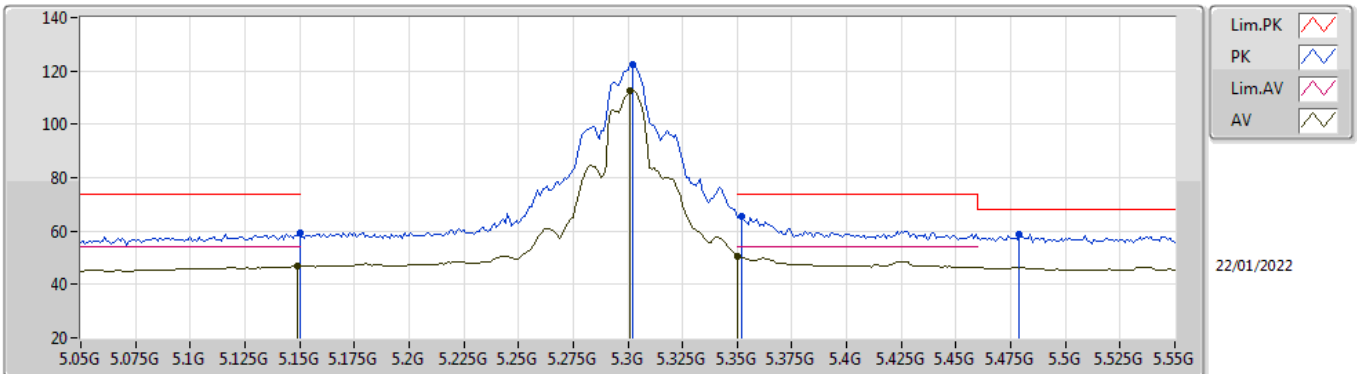


EUT X_4TX
Setting 21.5
06-F-B-4

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	10.5156G	55.73	68.20	-12.47	41.34	3	Horizontal	163	2.83	-	39.62	8.91	34.14
PK	15.78024G	60.11	74.00	-13.89	44.18	3	Horizontal	85	2.64	-	37.80	12.46	34.33
AV	15.78076G	46.47	54.00	-7.53	30.54	3	Horizontal	85	2.64	-	37.80	12.46	34.33

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

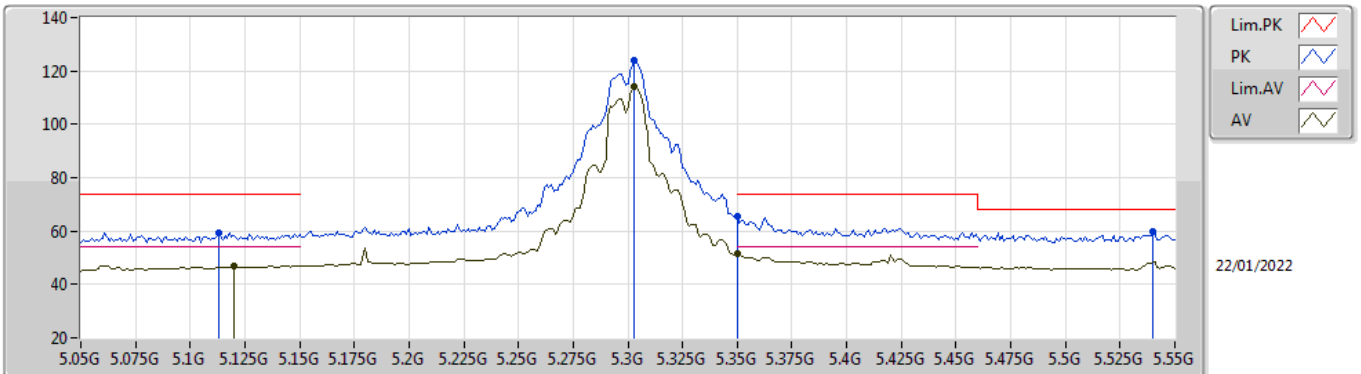


EUT X_4TX
Setting 25
06-D-S-5-10

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	59.32	74.00	-14.68	53.85	3	Vertical	349	2.61	-	31.70	5.75	31.98
AV	5.149G	46.76	54.00	-7.24	41.28	3	Vertical	349	2.61	-	31.71	5.75	31.98
PK	5.302G	122.48	Inf	-Inf	117.62	3	Vertical	349	2.61	-	31.10	5.80	32.04
AV	5.301G	112.63	Inf	-Inf	107.77	3	Vertical	349	2.61	-	31.10	5.80	32.04
PK	5.352G	65.46	74.00	-8.54	60.61	3	Vertical	349	2.61	-	31.11	5.80	32.06
AV	5.35G	50.67	54.00	-3.33	45.83	3	Vertical	349	2.61	-	31.10	5.80	32.06
PK	5.479G	58.57	68.20	-9.63	53.31	3	Vertical	349	2.61	-	31.50	5.88	32.12

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

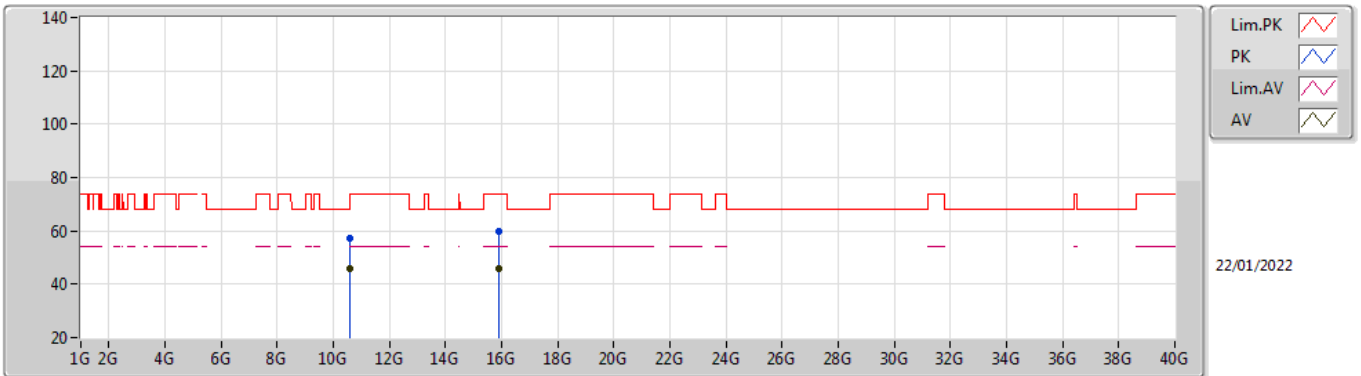


EUT_X_4TX
Setting 25
06-D-S-5-10

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	5.113G	59.43	74.00	-14.57	53.76	3	Horizontal	116	1.08	-	31.92	5.71	31.96
AV	5.12G	47.00	54.00	-7.00	41.36	3	Horizontal	116	1.08	-	31.88	5.72	31.96
PK	5.303G	123.91	Inf	-Inf	119.05	3	Horizontal	116	1.08	-	31.10	5.80	32.04
AV	5.303G	114.11	Inf	-Inf	109.25	3	Horizontal	116	1.08	-	31.10	5.80	32.04
PK	5.35G	65.63	74.00	-8.37	60.79	3	Horizontal	116	1.08	-	31.10	5.80	32.06
AV	5.35G	51.36	54.00	-2.64	46.52	3	Horizontal	116	1.08	-	31.10	5.80	32.06
PK	5.54G	59.60	68.20	-8.60	54.31	3	Horizontal	116	1.08	-	31.50	5.94	32.15

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

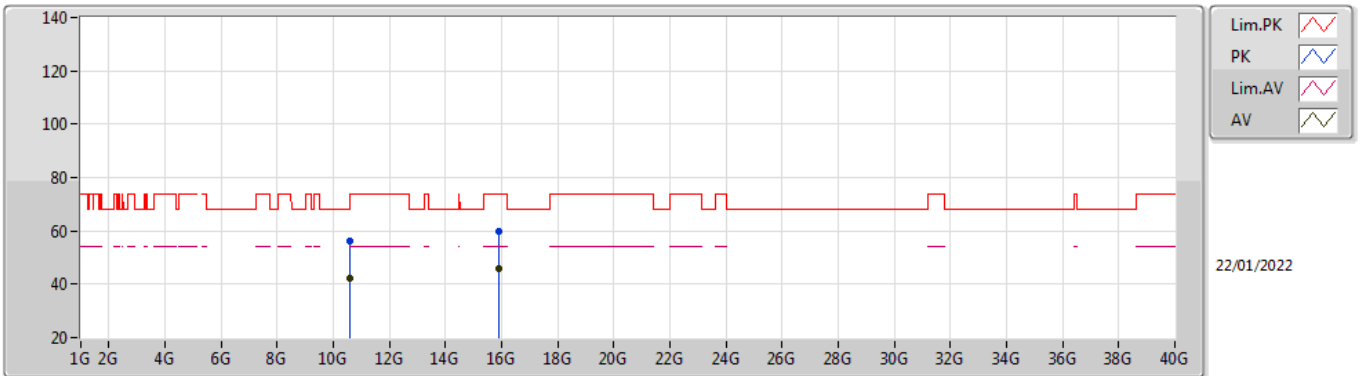


EUT_X_4TX
Setting 25
06-F-B-4

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	10.60008G	57.19	74.00	-16.81	42.69	3	Vertical	342	2.19	-	39.70	8.96	34.16	
AV	10.6G	46.06	54.00	-7.94	31.56	3	Vertical	342	2.19	-	39.70	8.96	34.16	
PK	15.8922G	59.79	74.00	-14.21	44.02	3	Vertical	14	2.91	-	37.62	12.53	34.38	
AV	15.90508G	45.83	54.00	-8.17	30.08	3	Vertical	14	2.91	-	37.59	12.54	34.38	

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

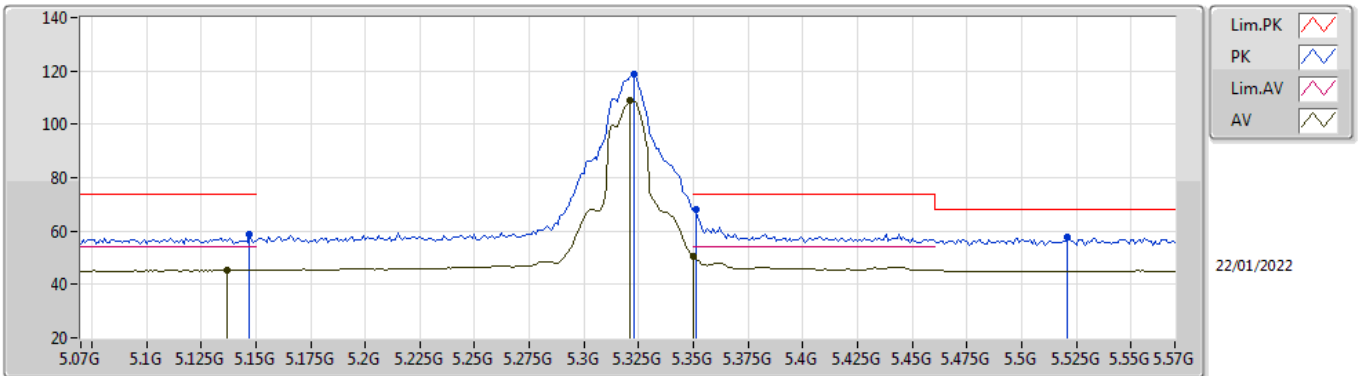


EUT_X_4TX
Setting 25
06-F-B-4

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	10.60508G	56.00	74.00	-18.00	41.51	3	Horizontal	303	1.00	-	39.69	8.96	34.16
AV	10.60008G	42.33	54.00	-11.67	27.83	3	Horizontal	303	1.00	-	39.70	8.96	34.16
PK	15.90268G	59.86	74.00	-14.14	44.11	3	Horizontal	195	1.67	-	37.59	12.54	34.38
AV	15.90844G	45.93	54.00	-8.07	30.19	3	Horizontal	195	1.67	-	37.58	12.54	34.38

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

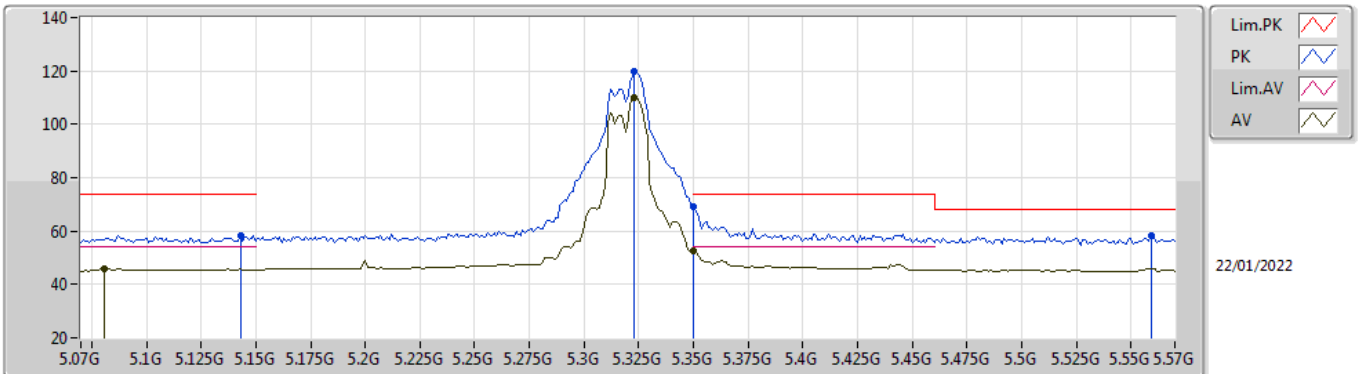


EUT_X_4TX
Setting 21.5
06-D-S-5-10

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	5.147G	58.74	74.00	-15.26	53.24	3	Vertical	348	2.48	-	31.72	5.75	31.97
AV	5.137G	45.42	54.00	-8.58	39.87	3	Vertical	348	2.48	-	31.78	5.74	31.97
PK	5.323G	118.85	Inf	-Inf	114.00	3	Vertical	348	2.48	-	31.10	5.80	32.05
AV	5.321G	108.95	Inf	-Inf	104.10	3	Vertical	348	2.48	-	31.10	5.80	32.05
PK	5.351G	68.24	74.00	-5.76	63.39	3	Vertical	348	2.48	-	31.11	5.80	32.06
AV	5.35G	50.52	54.00	-3.48	45.68	3	Vertical	348	2.48	-	31.10	5.80	32.06
PK	5.521G	57.55	68.20	-10.65	52.27	3	Vertical	348	2.48	-	31.50	5.92	32.14

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

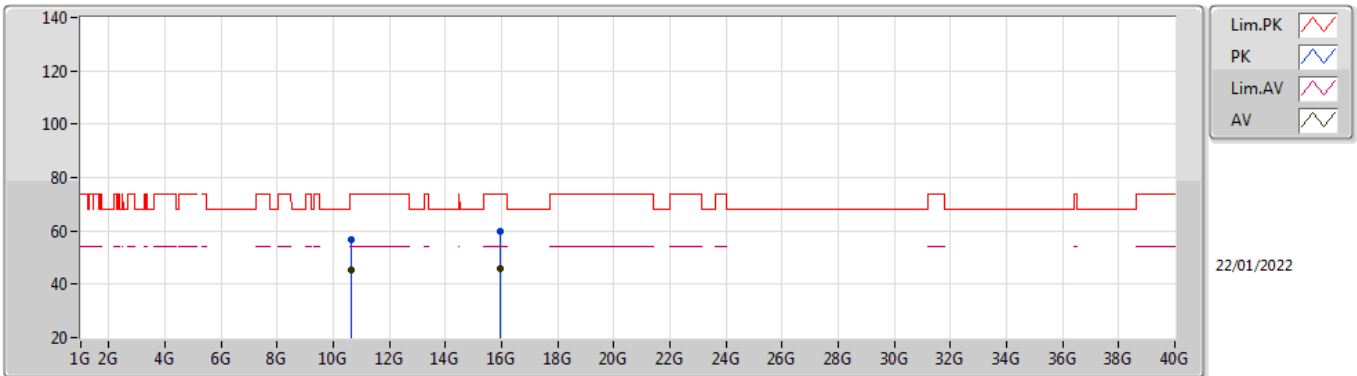


EUT_X_4TX
Setting 21.5
06-D-S-5-10

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	5.143G	58.41	74.00	-15.59	52.90	3	Horizontal	121	1.04	-	31.74	5.74	31.97
AV	5.081G	46.06	54.00	-7.94	40.52	3	Horizontal	121	1.04	-	31.81	5.68	31.95
PK	5.323G	119.91	Inf	-Inf	115.06	3	Horizontal	121	1.04	-	31.10	5.80	32.05
AV	5.323G	110.13	Inf	-Inf	105.28	3	Horizontal	121	1.04	-	31.10	5.80	32.05
PK	5.35G	68.90	74.00	-5.10	64.06	3	Horizontal	121	1.04	-	31.10	5.80	32.06
AV	5.35G	52.55	54.00	-1.45	47.71	3	Horizontal	121	1.04	-	31.10	5.80	32.06
PK	5.559G	58.14	68.20	-10.06	52.83	3	Horizontal	121	1.04	-	31.52	5.96	32.17

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

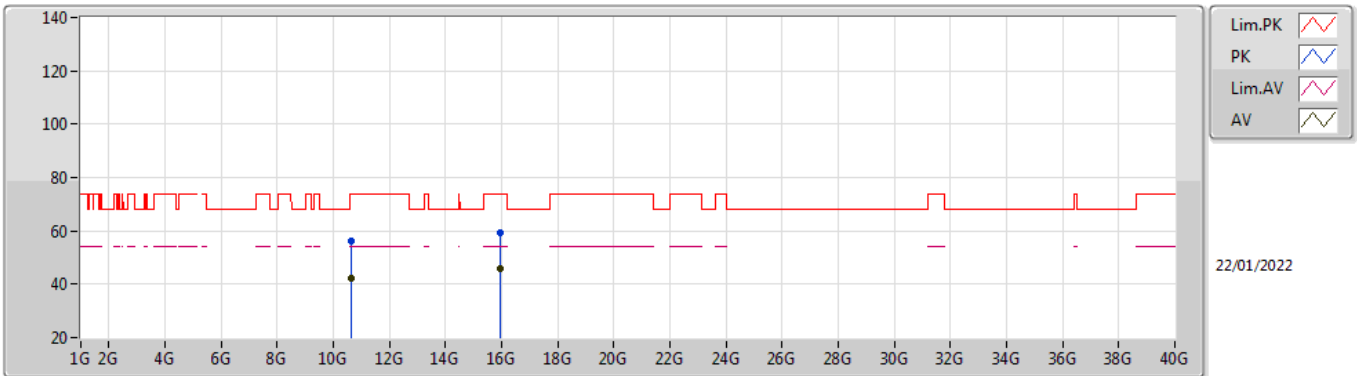


EUT_X_4TX
Setting 21.5
06-F-B-4

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	10.64016G	56.85	74.00	-17.15	42.38	3	Vertical	338	1.80	-	39.66	8.98	34.17
AV	10.63996G	45.19	54.00	-8.81	30.72	3	Vertical	338	1.80	-	39.66	8.98	34.17
PK	15.96272G	59.79	74.00	-14.21	44.15	3	Vertical	95	2.72	-	37.47	12.58	34.41
AV	15.9644G	45.61	54.00	-8.39	29.97	3	Vertical	95	2.72	-	37.47	12.58	34.41

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

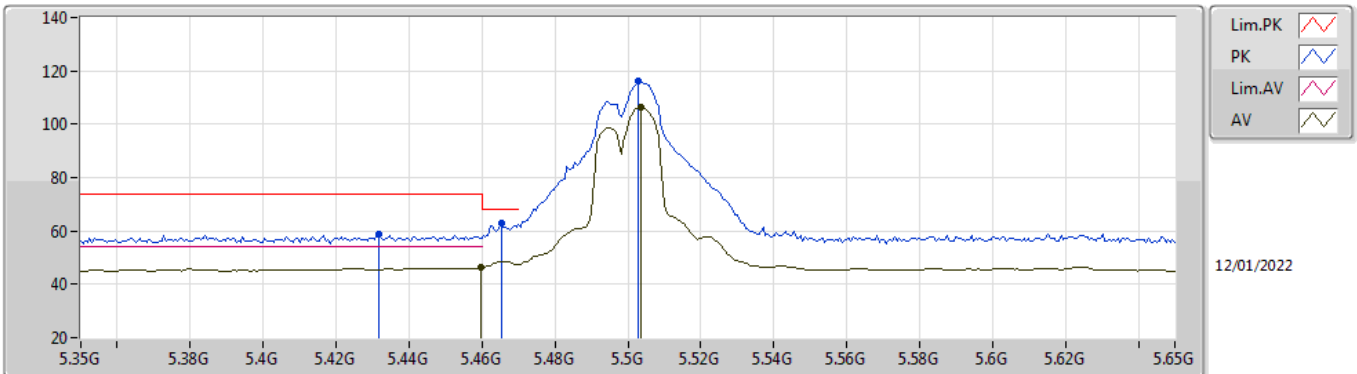


EUT_X_4TX
Setting 21.5
06-F-B-4

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	10.64032G	55.98	74.00	-18.02	41.51	3	Horizontal	131	1.02	-	39.66	8.98	34.17
AV	10.64028G	42.41	54.00	-11.59	27.94	3	Horizontal	131	1.02	-	39.66	8.98	34.17
PK	15.96772G	59.35	74.00	-14.65	43.72	3	Horizontal	211	2.72	-	37.46	12.58	34.41
AV	15.96752G	45.66	54.00	-8.34	30.03	3	Horizontal	211	2.72	-	37.46	12.58	34.41

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

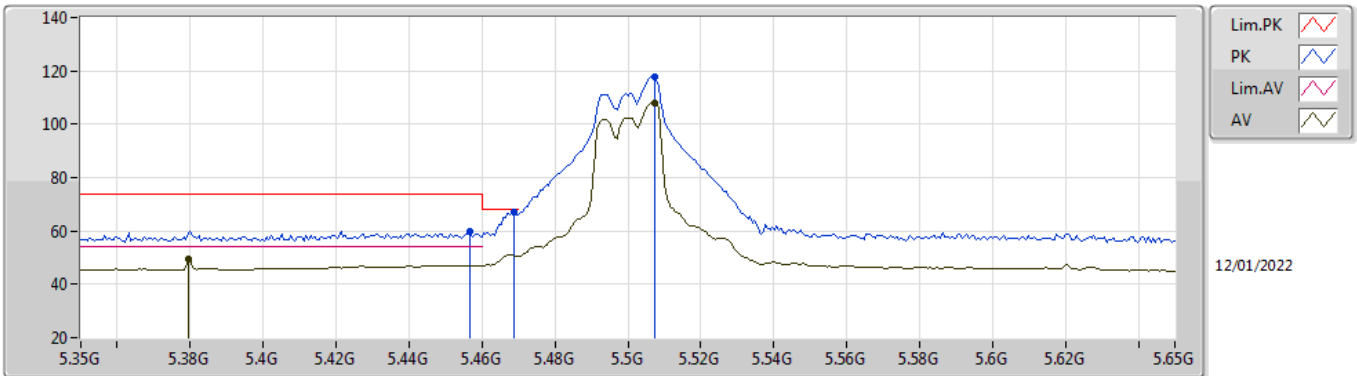


EUT_X_4TX
Setting 20.5
06-D-S-5-10

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	5.4316G	58.76	74.00	-15.24	53.57	3	Vertical	2	2.95	-	31.46	5.83	32.10	
PK	5.4652G	62.79	68.20	-5.41	57.53	3	Vertical	2	2.95	-	31.50	5.87	32.11	
AV	5.4598G	46.14	54.00	-7.86	40.89	3	Vertical	2	2.95	-	31.50	5.86	32.11	
PK	5.503G	115.98	Inf	-Inf	110.71	3	Vertical	2	2.95	-	31.50	5.90	32.13	
AV	5.5036G	106.22	Inf	-Inf	100.95	3	Vertical	2	2.95	-	31.50	5.90	32.13	

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

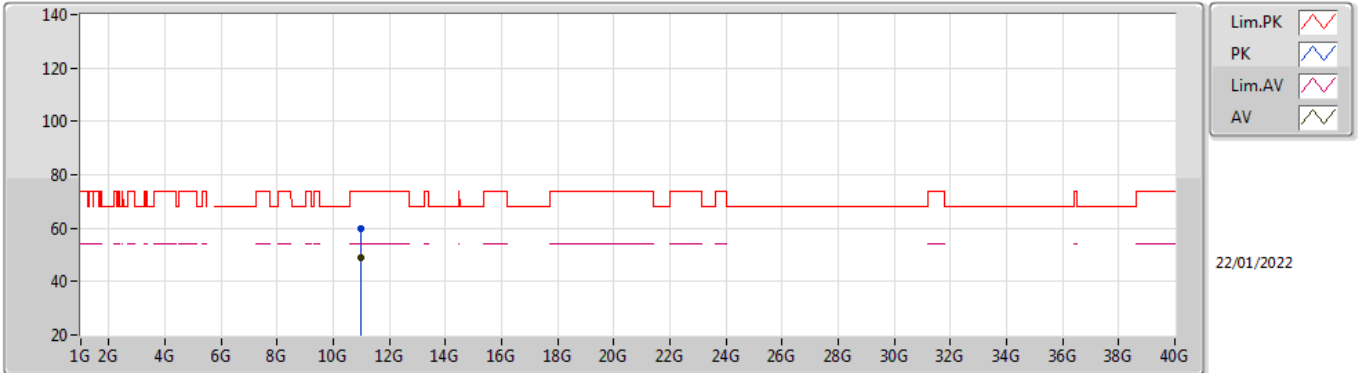


EUT_X_4TX
Setting 20.5
06-D-S-5-10

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)
AV	5.3794G	49.70	54.00	-4.30	44.70	3	Horizontal	125	1.99	-	31.28	5.80	32.08
PK	5.4568G	59.71	74.00	-14.29	54.46	3	Horizontal	125	1.99	-	31.50	5.86	32.11
PK	5.4688G	67.16	68.20	-1.04	61.91	3	Horizontal	125	1.99	-	31.50	5.87	32.12
PK	5.5072G	117.96	Inf	-Inf	112.68	3	Horizontal	125	1.99	-	31.50	5.91	32.13
AV	5.5072G	108.15	Inf	-Inf	102.87	3	Horizontal	125	1.99	-	31.50	5.91	32.13

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

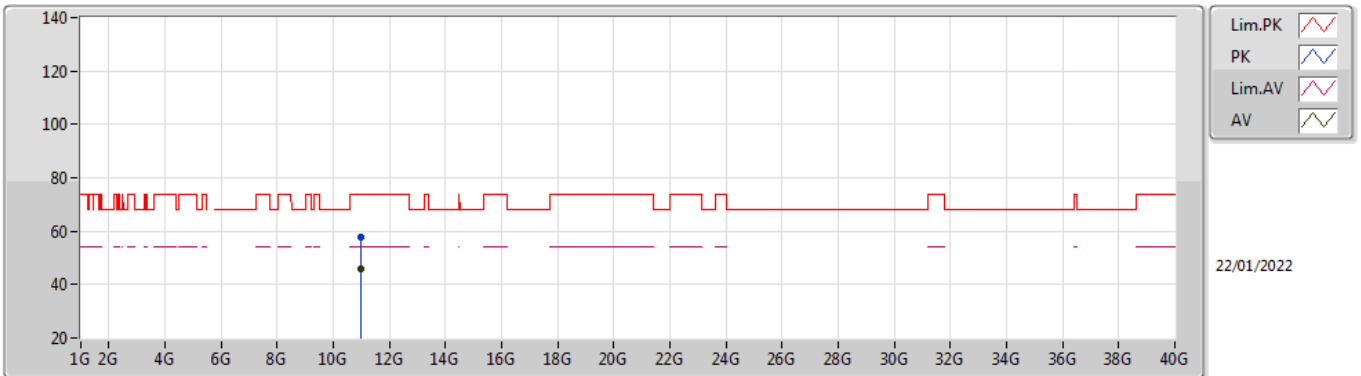


EUT_X_4TX
Setting 20.5
06-F-B-4

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	11.00008G	59.89	74.00	-14.11	44.72	3	Vertical	328	1.87	-	40.20	9.20	34.23	
AV	10.99996G	49.03	54.00	-4.97	33.86	3	Vertical	328	1.87	-	40.20	9.20	34.23	

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

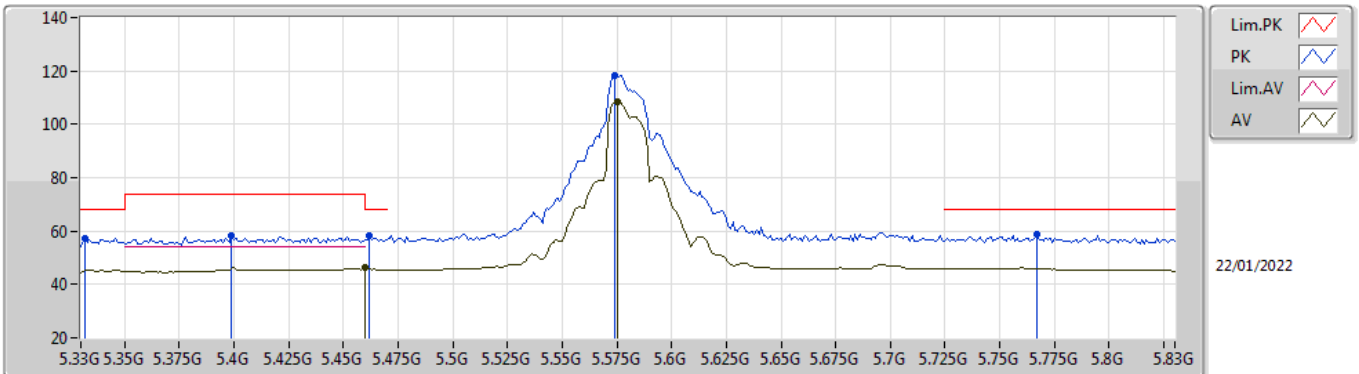


EUT X_4TX
Setting 20.5
06-F-B-4

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	10.99508G	57.54	74.00	-16.46	42.37	3	Horizontal	320	1.64	-	40.20	9.20	34.23
AV	11.00004G	45.74	54.00	-8.26	30.57	3	Horizontal	320	1.64	-	40.20	9.20	34.23

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

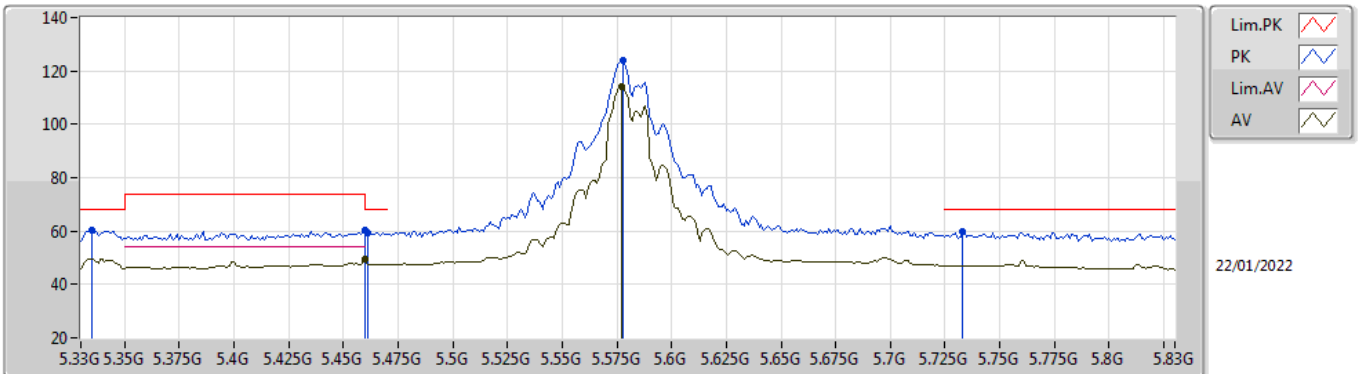


EUT_X_4TX
Setting 25
06-D-S-5-10

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	5.332G	57.40	68.20	-10.80	52.56	3	Vertical	98	1.79	-	31.10	5.80	32.06
PK	5.399G	58.37	74.00	-15.63	53.27	3	Vertical	98	1.79	-	31.39	5.80	32.09
PK	5.462G	58.22	68.20	-9.98	52.97	3	Vertical	98	1.79	-	31.50	5.86	32.11
AV	5.46G	46.48	54.00	-7.52	41.23	3	Vertical	98	1.79	-	31.50	5.86	32.11
PK	5.574G	118.32	Inf	-Inf	112.97	3	Vertical	98	1.79	-	31.55	5.97	32.17
AV	5.575G	108.59	Inf	-Inf	103.25	3	Vertical	98	1.79	-	31.55	5.97	32.18
PK	5.767G	58.56	68.20	-9.64	52.85	3	Vertical	98	1.79	-	32.00	6.00	32.29

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

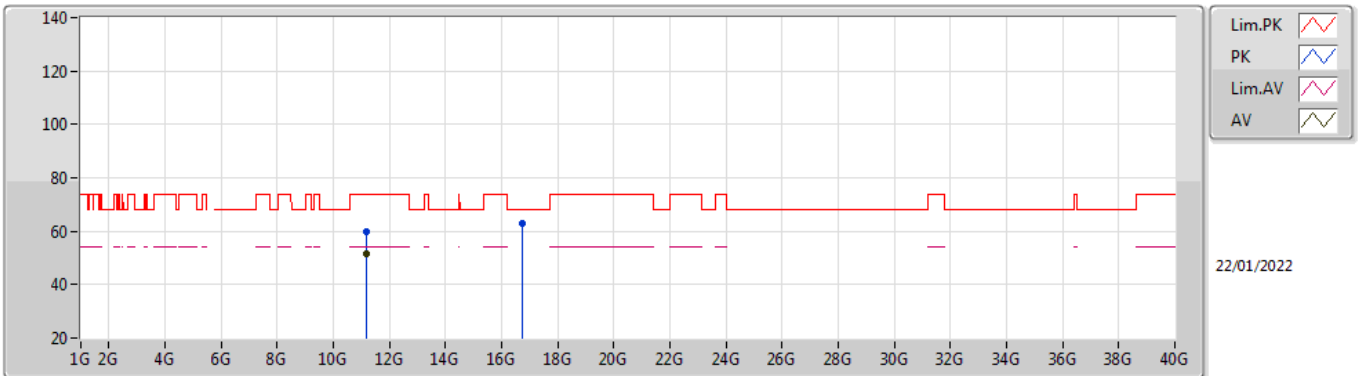


EUT X_4TX
Setting 25
06-D-S-5-10

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	5.335G	60.39	68.20	-7.81	55.55	3	Horizontal	95	1.00	-	31.10	5.80	32.06	
PK	5.46G	60.34	74.00	-13.66	55.09	3	Horizontal	95	1.00	-	31.50	5.86	32.11	
AV	5.46G	49.50	54.00	-4.50	44.25	3	Horizontal	95	1.00	-	31.50	5.86	32.11	
PK	5.461G	59.51	68.20	-8.69	54.26	3	Horizontal	95	1.00	-	31.50	5.86	32.11	
PK	5.578G	123.92	Inf	-Inf	118.56	3	Horizontal	95	1.00	-	31.56	5.98	32.18	
AV	5.577G	114.00	Inf	-Inf	108.65	3	Horizontal	95	1.00	-	31.55	5.98	32.18	
PK	5.733G	59.62	68.20	-8.58	53.96	3	Horizontal	95	1.00	-	31.93	6.00	32.27	

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

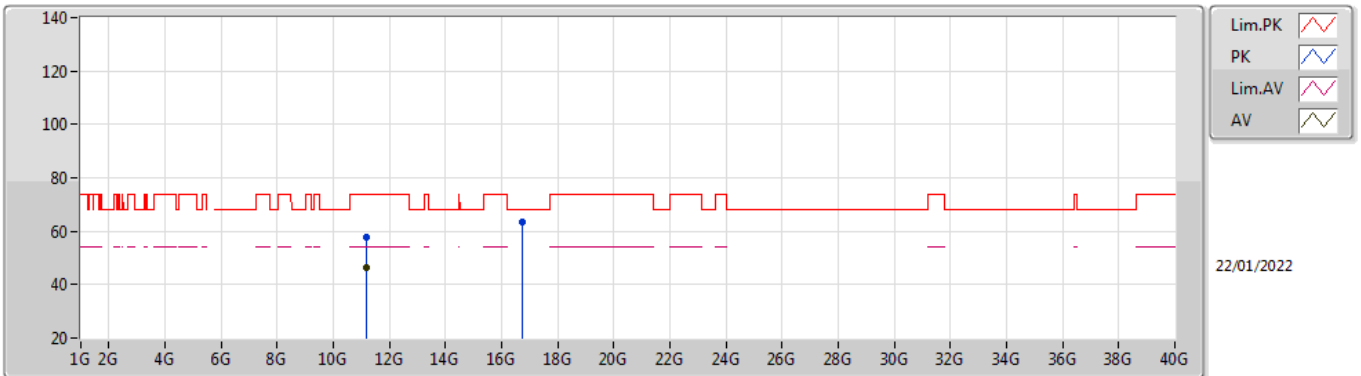


EUT_X_4TX
Setting 25
06-F-B-4

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	11.15994G	59.63	74.00	-14.37	44.91	3	Vertical	45	2.28	-	39.68	9.30	34.26
AV	11.16G	51.80	54.00	-2.20	37.08	3	Vertical	45	2.28	-	39.68	9.30	34.26
PK	16.72698G	62.72	68.20	-5.48	43.71	3	Vertical	359	2.34	-	40.06	13.44	34.49

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

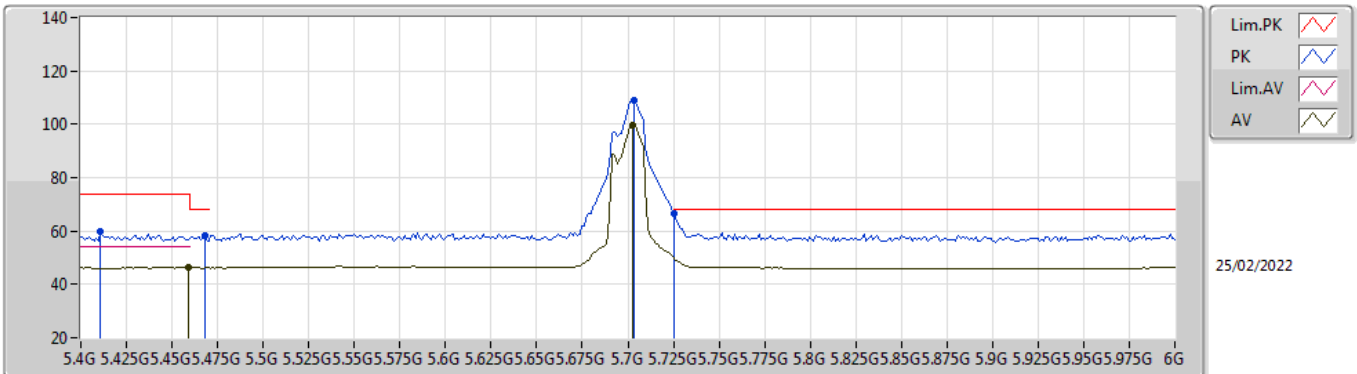


EUT_X_4TX
Setting 25
06-F-B-4

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	11.15988G	57.80	74.00	-16.20	43.08	3	Horizontal	43	1.64	-	39.68	9.30	34.26
AV	11.16G	46.49	54.00	-7.51	31.77	3	Horizontal	43	1.64	-	39.68	9.30	34.26
PK	16.74822G	63.54	68.20	-4.66	44.38	3	Horizontal	224	1.40	-	40.19	13.46	34.49

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

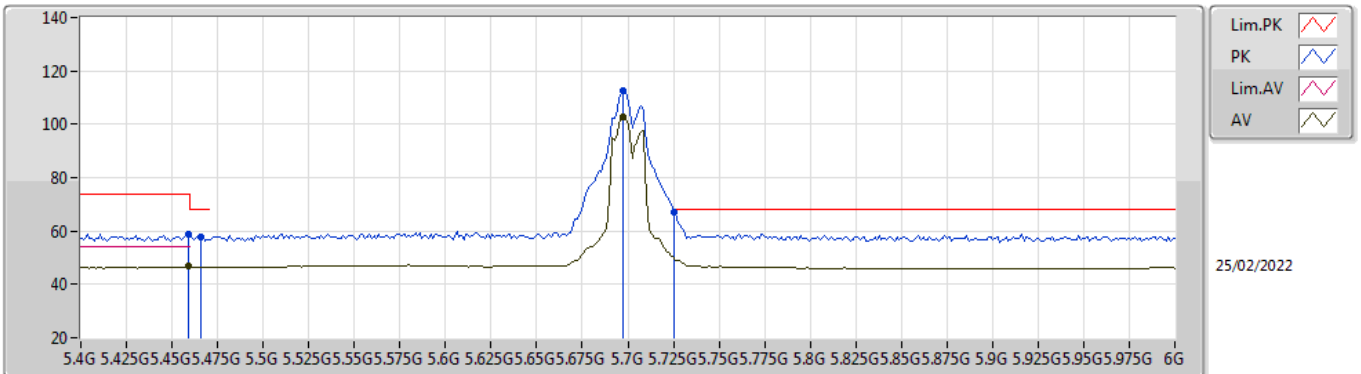


EUT_X_4TX
Setting 12
03-F-K-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4108G	59.77	74.00	-14.23	53.32	3	Vertical	10	2.59	-	34.58	7.22	35.35
PK	5.4684G	58.27	68.20	-9.93	51.74	3	Vertical	10	2.59	-	34.54	7.34	35.35
AV	5.4588G	46.44	54.00	-7.56	39.95	3	Vertical	10	2.59	-	34.52	7.32	35.35
PK	5.7036G	109.21	Inf	-Inf	102.87	3	Vertical	10	2.59	-	34.29	7.50	35.45
AV	5.7024G	99.74	Inf	-Inf	93.39	3	Vertical	10	2.59	-	34.30	7.50	35.45
PK	5.7252G	66.80	68.20	-1.40	60.54	3	Vertical	10	2.59	-	34.25	7.47	35.46

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

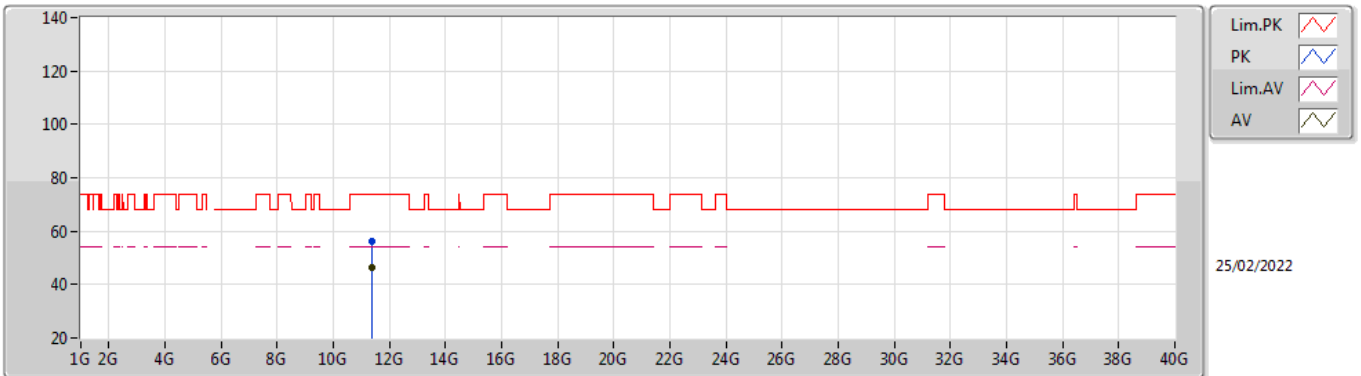


EUT_X_4TX
Setting 12
03-F-K-4-10

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	5.4588G	59.04	74.00	-14.96	52.55	3	Horizontal	94	1.00	-	34.52	7.32	35.35
AV	5.4588G	46.68	54.00	-7.32	40.19	3	Horizontal	94	1.00	-	34.52	7.32	35.35
PK	5.466G	57.72	68.20	-10.48	51.21	3	Horizontal	94	1.00	-	34.53	7.33	35.35
PK	5.6976G	112.48	Inf	-Inf	106.12	3	Horizontal	94	1.00	-	34.31	7.50	35.45
AV	5.6976G	102.87	Inf	-Inf	96.51	3	Horizontal	94	1.00	-	34.31	7.50	35.45
PK	5.7252G	66.98	68.20	-1.22	60.72	3	Horizontal	94	1.00	-	34.25	7.47	35.46

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

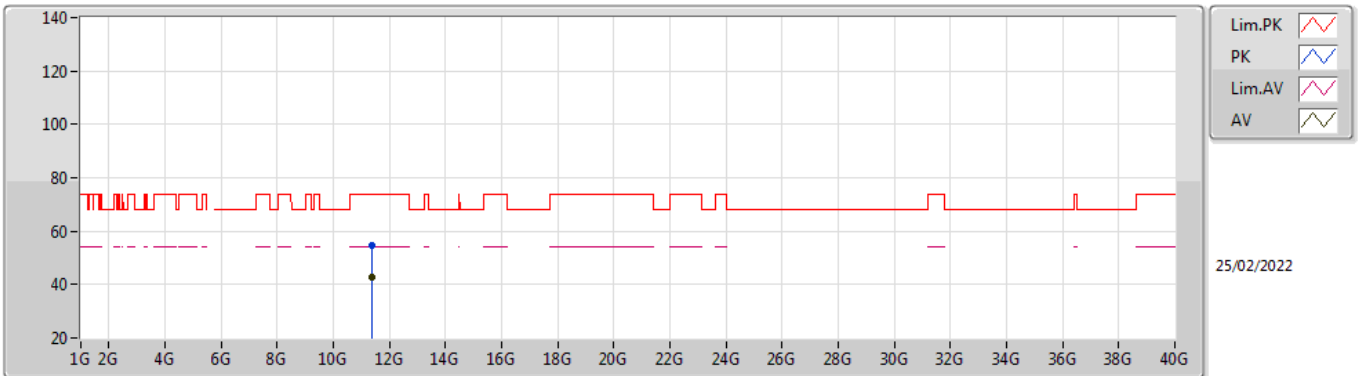


EUT_X_4TX
Setting 12
03-F-K-4

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	11.4G	56.17	74.00	-17.83	42.24	3	Vertical	324	1.65	-	38.80	10.62	35.49	
AV	11.39998G	46.49	54.00	-7.51	32.56	3	Vertical	324	1.65	-	38.80	10.62	35.49	

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

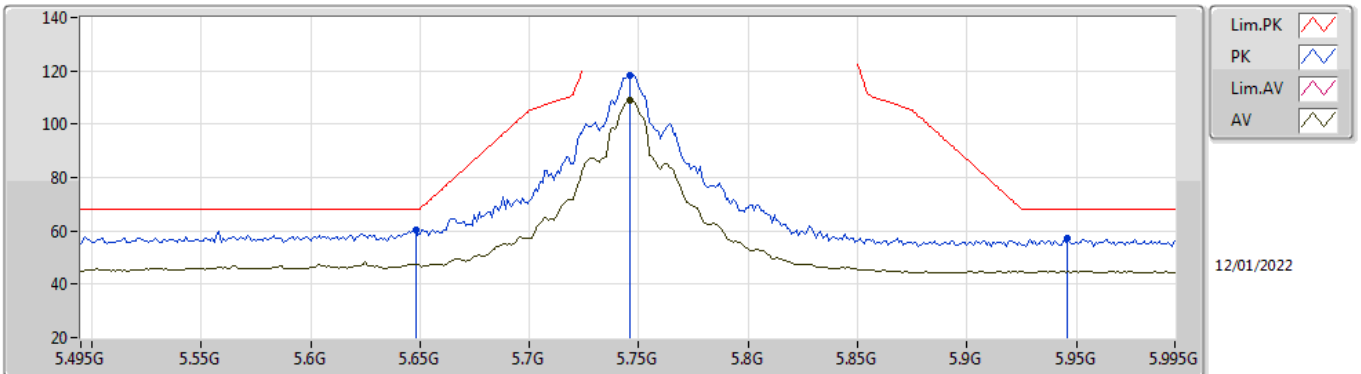


EUT X_4TX
Setting 12
03-F-K-4

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	11.39948G	54.73	74.00	-19.27	40.80	3	Horizontal	319	1.62	-	38.80	10.62	35.49
AV	11.4G	42.64	54.00	-11.36	28.71	3	Horizontal	319	1.62	-	38.80	10.62	35.49

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

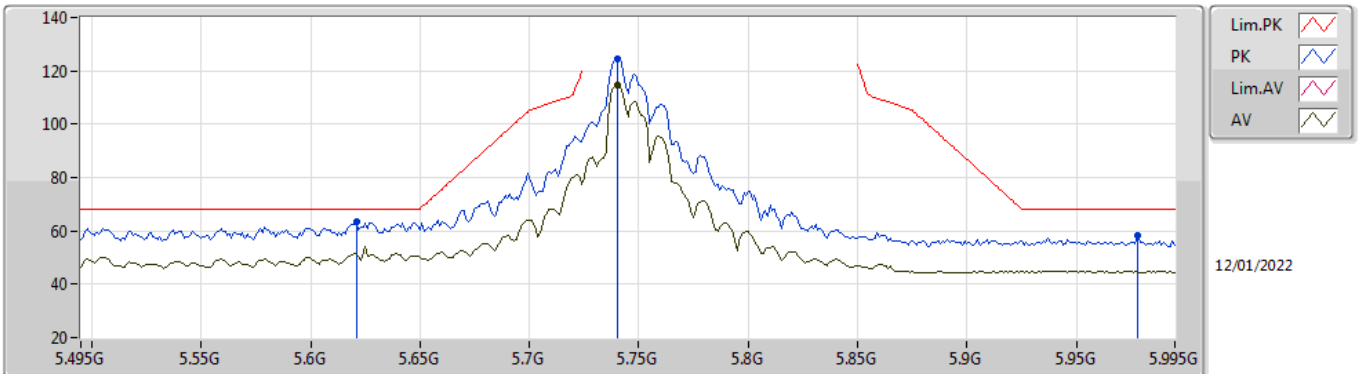


EUT X_4TX
Setting 25
06-D-S-5-10

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	60.40	68.20	-7.80	55.02	3	Vertical	74	1.80	-	31.60	6.00	32.22	
PK	5.746G	118.47	Inf	-Inf	112.77	3	Vertical	74	1.80	-	31.98	6.00	32.28	
AV	5.746G	109.03	Inf	-Inf	103.33	3	Vertical	74	1.80	-	31.98	6.00	32.28	
PK	5.946G	57.33	68.20	-10.87	51.47	3	Vertical	74	1.80	-	32.19	6.07	32.40	

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

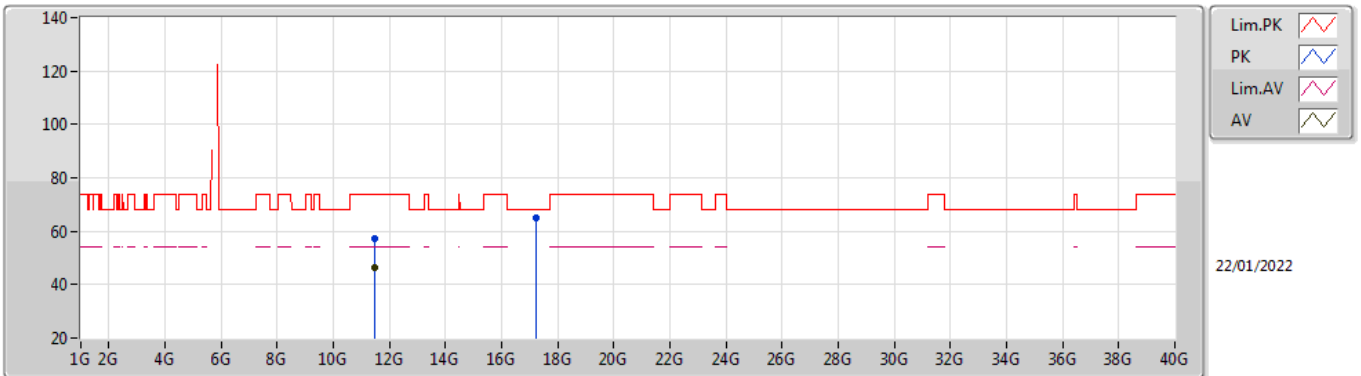


EUT X_4TX
Setting 25
06-D-S-5-10

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	5.621G	63.48	68.20	-4.72	58.08	3	Horizontal	92	2.22	-	31.60	6.00	32.20	
PK	5.74G	124.53	Inf	-Inf	118.84	3	Horizontal	92	2.22	-	31.96	6.00	32.27	
AV	5.74G	114.73	Inf	-Inf	109.04	3	Horizontal	92	2.22	-	31.96	6.00	32.27	
PK	5.978G	58.19	68.20	-10.01	52.32	3	Horizontal	92	2.22	-	32.20	6.09	32.42	

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

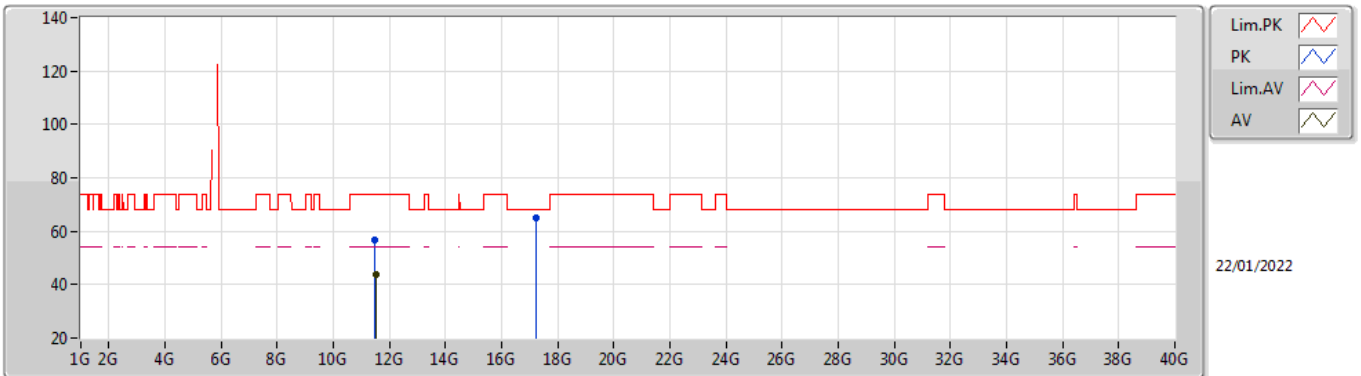


EUT_X_4TX
Setting 25
06-F-B-4

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	11.48982G	57.41	74.00	-16.59	42.61	3	Vertical	326	1.79	-	39.62	9.49	34.31	
AV	11.49G	46.47	54.00	-7.53	31.67	3	Vertical	326	1.79	-	39.62	9.49	34.31	
PK	17.24184G	65.04	68.20	-3.16	44.54	3	Vertical	1	1.80	-	41.07	14.03	34.60	

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

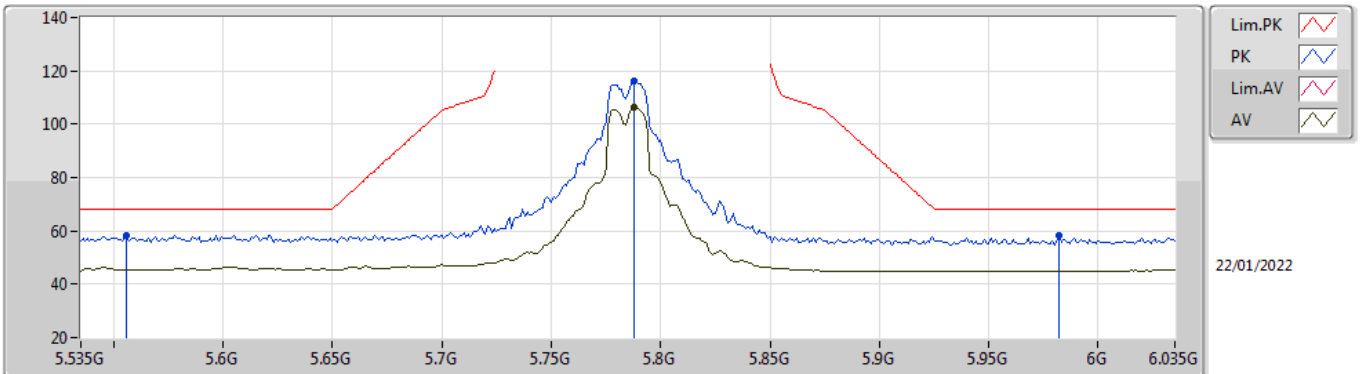


EUT X_4TX
Setting 25
06-F-B-4

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	11.48772G	56.77	74.00	-17.23	41.97	3	Horizontal	135	2.87	-	39.62	9.49	34.31	
AV	11.5005G	43.60	54.00	-10.40	28.81	3	Horizontal	135	2.87	-	39.60	9.50	34.31	
PK	17.23758G	64.86	68.20	-3.34	44.39	3	Horizontal	350	2.81	-	41.05	14.02	34.60	

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

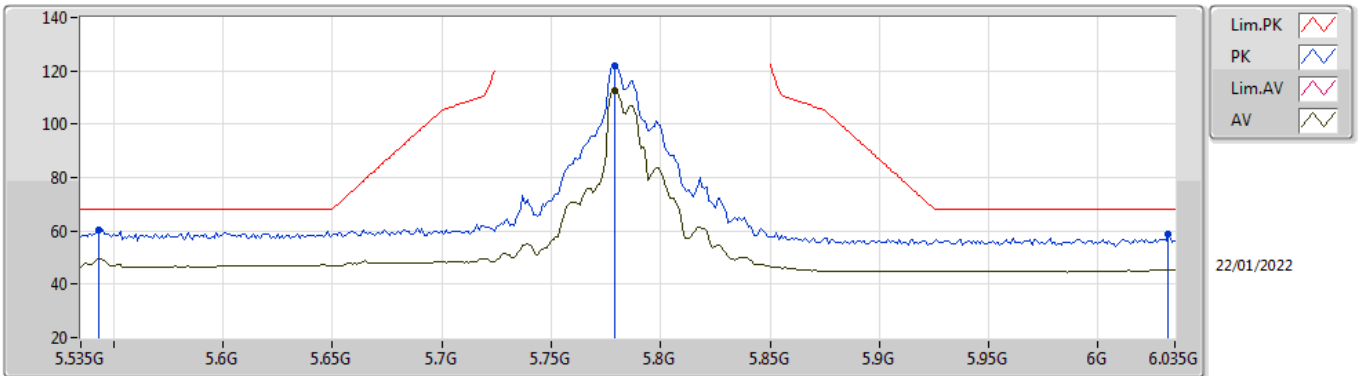


EUT_X_4TX
Setting 25
06-D-S-5-10

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	5.556G	58.47	68.20	-9.73	53.16	3	Vertical	100	1.23	-	31.51	5.96	32.16	
PK	5.788G	116.02	Inf	-Inf	110.32	3	Vertical	100	1.23	-	32.00	6.00	32.30	
AV	5.788G	106.36	Inf	-Inf	100.66	3	Vertical	100	1.23	-	32.00	6.00	32.30	
PK	5.982G	58.18	68.20	-10.02	52.31	3	Vertical	100	1.23	-	32.20	6.09	32.42	

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

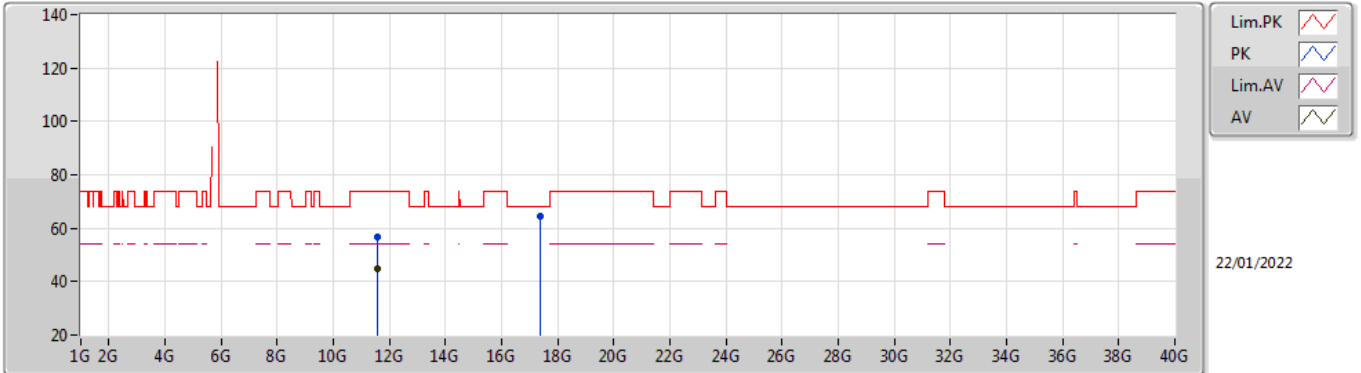


EUT_X_4TX
Setting 25
06-D-S-5-10

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	60.26	68.20	-7.94	54.98	3	Horizontal	97	1.80	-	31.50	5.94	32.16
PK	5.779G	121.81	Inf	-Inf	116.11	3	Horizontal	97	1.80	-	32.00	6.00	32.30
AV	5.779G	112.39	Inf	-Inf	106.69	3	Horizontal	97	1.80	-	32.00	6.00	32.30
PK	6.032G	58.95	68.20	-9.25	52.88	3	Horizontal	97	1.80	-	32.39	6.12	32.44

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

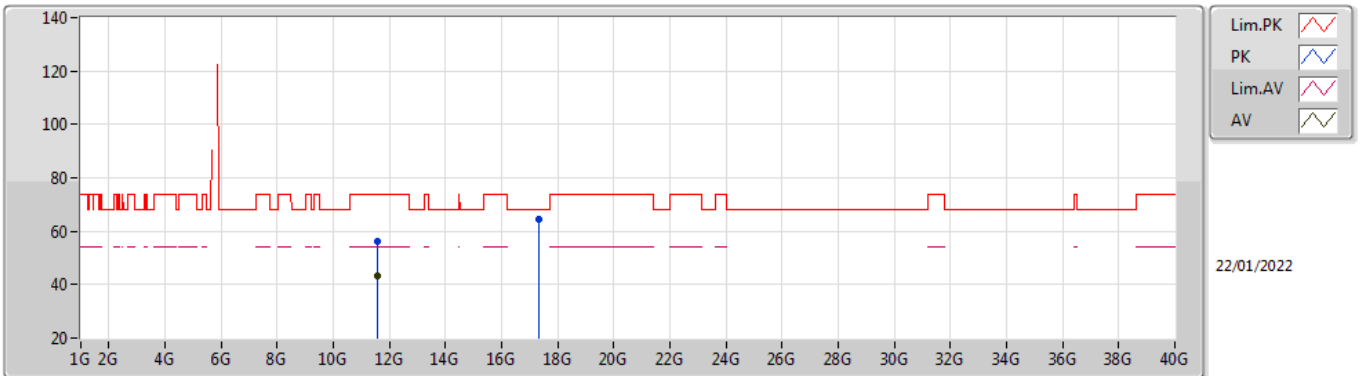


EUT_X_4TX
Setting 25
06-F-B-4

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	11.56976G	56.76	74.00	-17.24	41.99	3	Vertical	327	1.77	-	39.53	9.54	34.30
AV	11.56994G	44.71	54.00	-9.29	29.94	3	Vertical	327	1.77	-	39.53	9.54	34.30
PK	17.35938G	64.52	68.20	-3.68	43.12	3	Vertical	204	1.60	-	41.89	14.16	34.65

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

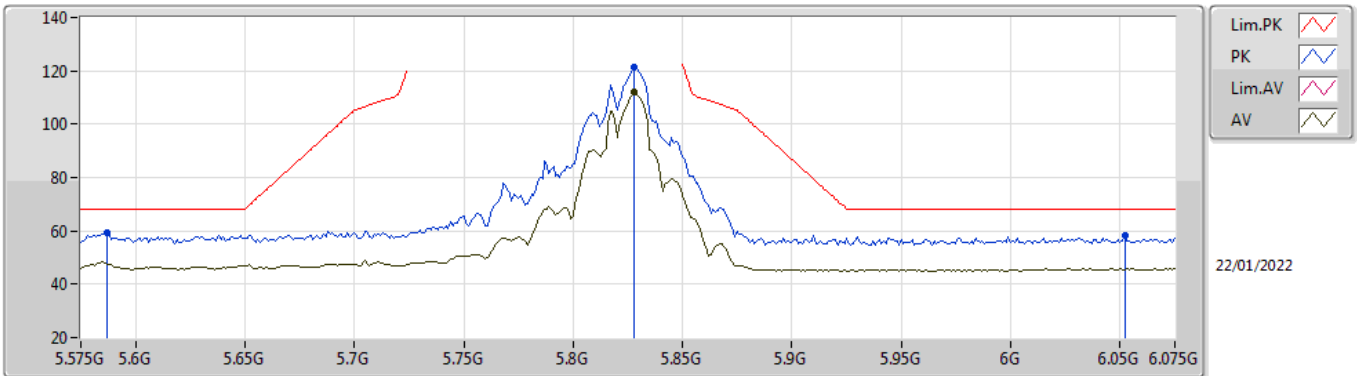


EUT X_4TX
Setting 25
06-F-B-4

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	11.57036G	56.05	74.00	-17.95	41.28	3	Horizontal	272	2.47	-	39.53	9.54	34.30
AV	11.56994G	43.06	54.00	-10.94	28.29	3	Horizontal	272	2.47	-	39.53	9.54	34.30
PK	17.35038G	64.73	68.20	-3.47	43.43	3	Horizontal	130	1.92	-	41.80	14.15	34.65

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

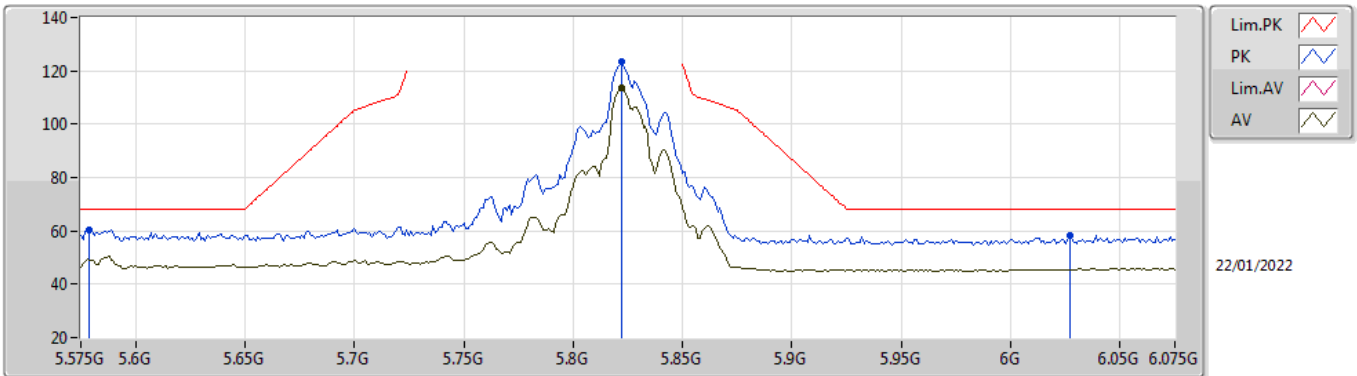


EUT_X_4TX
Setting 25
06-D-S-5-10

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	59.07	68.20	-9.13	53.69	3	Vertical	3	2.69	-	31.57	5.99	32.18	
PK	5.828G	121.63	Inf	-Inf	115.95	3	Vertical	3	2.69	-	32.00	6.01	32.33	
AV	5.828G	111.88	Inf	-Inf	106.20	3	Vertical	3	2.69	-	32.00	6.01	32.33	
PK	6.052G	58.31	68.20	-9.89	52.13	3	Vertical	3	2.69	-	32.50	6.13	32.45	

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

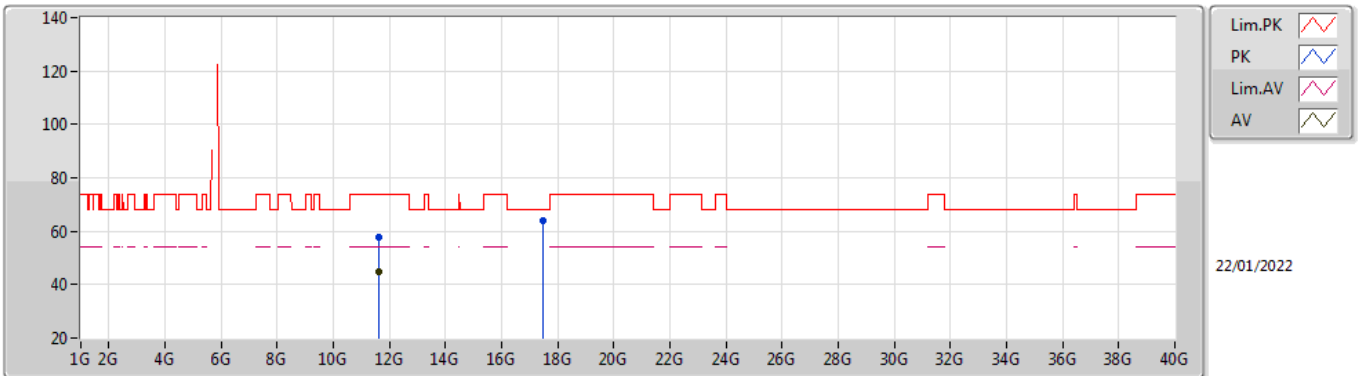


EUT X_4TX
Setting 25
06-D-S-5-10

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	5.579G	60.23	68.20	-7.97	54.87	3	Horizontal	102	2.53	-	31.56	5.98	32.18	
PK	5.822G	123.70	Inf	-Inf	118.01	3	Horizontal	102	2.53	-	32.00	6.01	32.32	
AV	5.822G	113.40	Inf	-Inf	107.71	3	Horizontal	102	2.53	-	32.00	6.01	32.32	
PK	6.027G	58.31	68.20	-9.89	52.28	3	Horizontal	102	2.53	-	32.36	6.11	32.44	

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

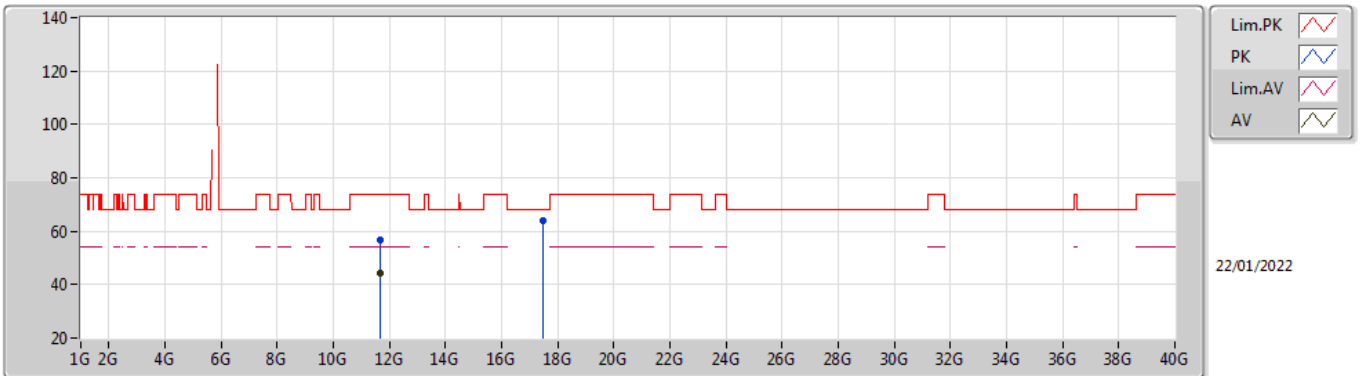


EUT_X_4TX
Setting 25
06-F-B-4

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	11.64436G	57.90	74.00	-16.10	43.22	3	Vertical	36	1.80	-	39.37	9.59	34.28
AV	11.6437G	44.74	54.00	-9.26	30.06	3	Vertical	36	1.80	-	39.37	9.59	34.28
PK	17.47092G	64.11	68.20	-4.09	41.65	3	Vertical	354	1.90	-	42.87	14.29	34.70

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

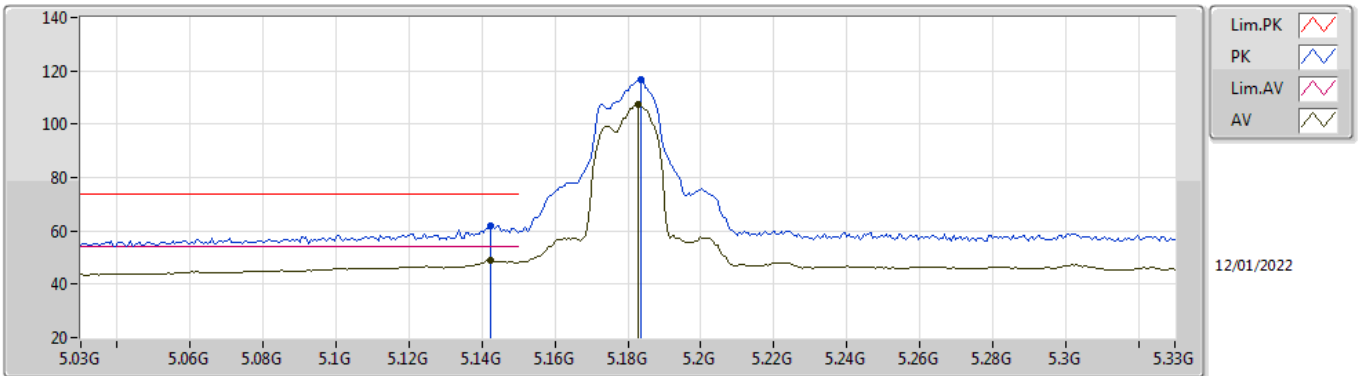


EUT X_4TX
Setting 25
06-F-B-4

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	11.65488G	56.82	74.00	-17.18	42.17	3	Horizontal	356	1.80	-	39.34	9.59	34.28
AV	11.65404G	44.13	54.00	-9.87	29.48	3	Horizontal	356	1.80	-	39.34	9.59	34.28
PK	17.48946G	64.04	68.20	-4.16	41.42	3	Horizontal	212	2.13	-	43.02	14.31	34.71

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

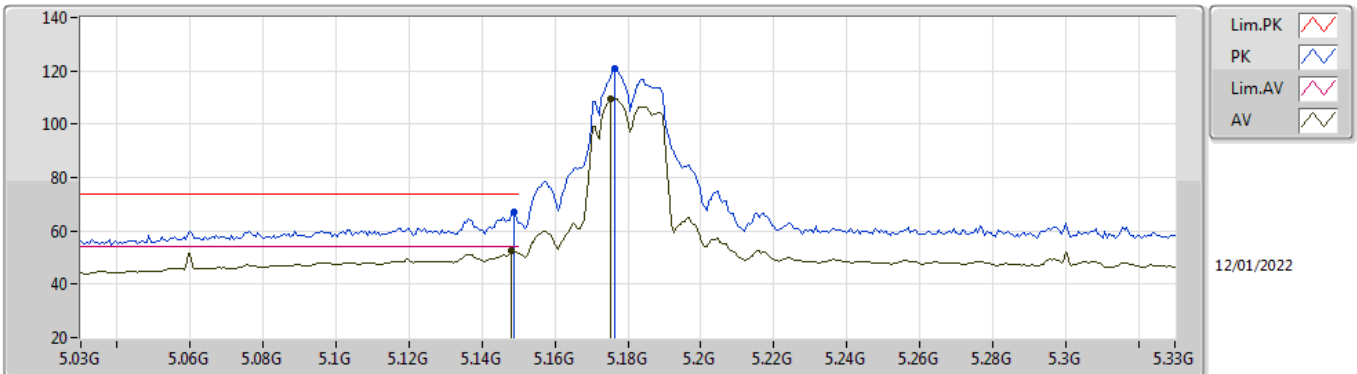


EUT_X_4TX
Setting 20
06-D-S-5-10

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	5.1422G	61.87	74.00	-12.13	56.35	3	Vertical	347	2.70	-	31.75	5.74	31.97	
AV	5.1422G	48.83	54.00	-5.17	43.31	3	Vertical	347	2.70	-	31.75	5.74	31.97	
PK	5.1836G	116.48	Inf	-Inf	111.19	3	Vertical	347	2.70	-	31.50	5.78	31.99	
AV	5.183G	107.20	Inf	-Inf	101.91	3	Vertical	347	2.70	-	31.50	5.78	31.99	

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

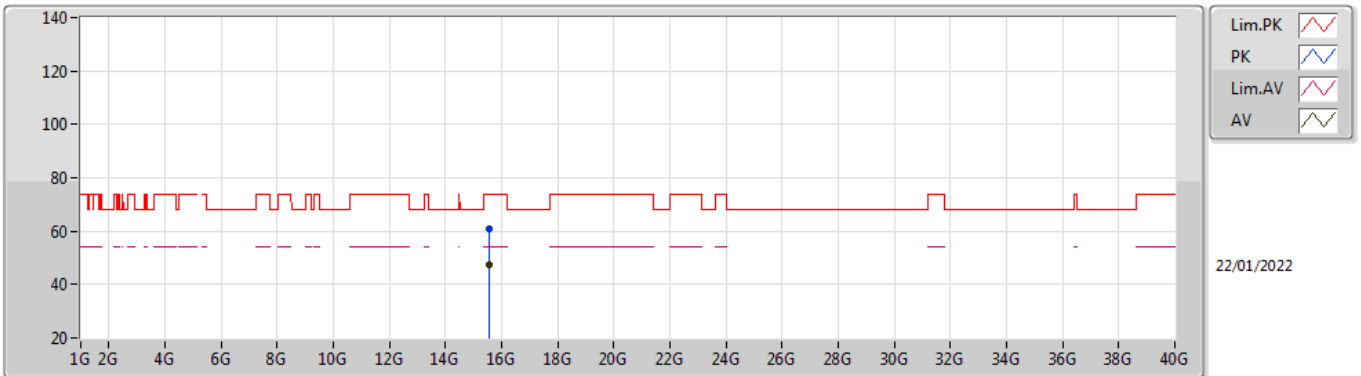


EUT X_4TX
Setting 20
06-D-S-5-10

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	5.1488G	66.96	74.00	-7.04	61.48	3	Horizontal	95	1.09	-	31.71	5.75	31.98	
AV	5.1482G	52.53	54.00	-1.47	47.05	3	Horizontal	95	1.09	-	31.71	5.75	31.98	
PK	5.1764G	120.80	Inf	-Inf	115.47	3	Horizontal	95	1.09	-	31.54	5.78	31.99	
AV	5.1752G	109.74	Inf	-Inf	104.40	3	Horizontal	95	1.09	-	31.55	5.78	31.99	

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

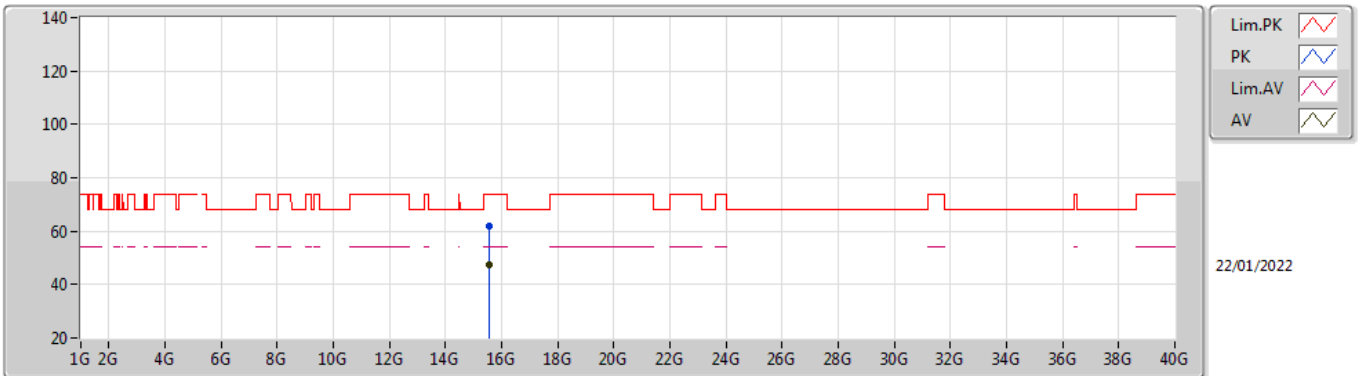


EUT X_4TX
Setting 20
06-D-S-5

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	15.54048G	60.76	74.00	-13.24	44.20	3	Vertical	301	1.08	-	38.50	12.30	34.24
AV	15.54004G	47.26	54.00	-6.74	30.70	3	Vertical	301	1.08	-	38.50	12.30	34.24

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

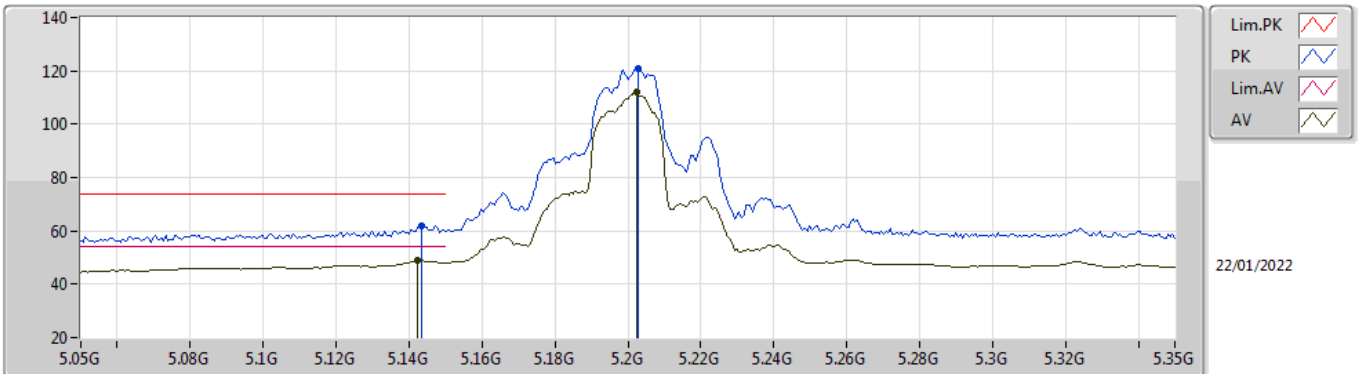


EUT X_4TX
Setting 20
06-D-S-5

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	15.54148G	62.13	74.00	-11.87	45.58	3	Horizontal	244	2.94	-	38.49	12.30	34.24
AV	15.54148G	47.24	54.00	-6.76	30.69	3	Horizontal	244	2.94	-	38.49	12.30	34.24

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

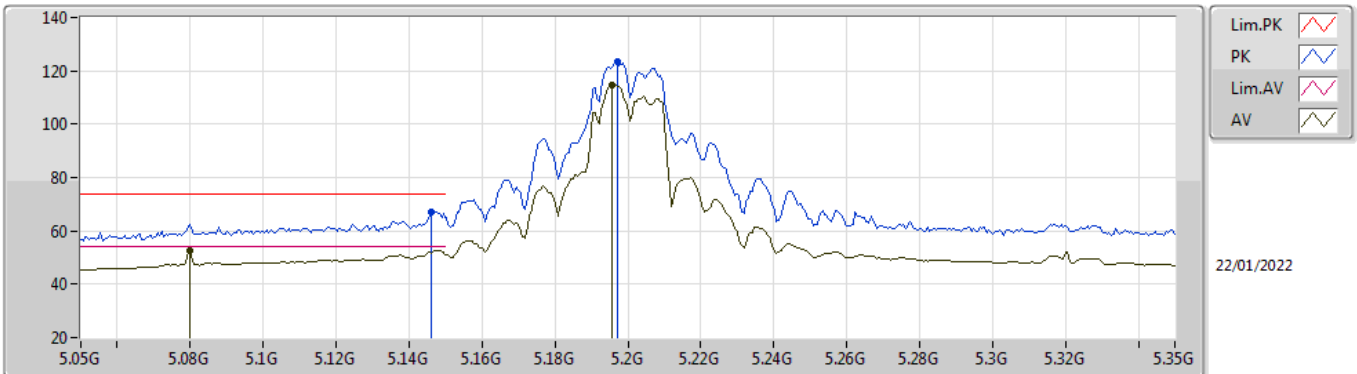


EUT_X_4TX
Setting 24.5
06-F-B-4-10

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	5.1436G	61.80	74.00	-12.20	56.29	3	Vertical	349	2.68	-	31.74	5.74	31.97	
AV	5.1424G	49.07	54.00	-4.93	43.55	3	Vertical	349	2.68	-	31.75	5.74	31.97	
PK	5.203G	121.05	Inf	-Inf	115.87	3	Vertical	349	2.68	-	31.38	5.80	32.00	
AV	5.2024G	112.05	Inf	-Inf	106.86	3	Vertical	349	2.68	-	31.39	5.80	32.00	

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

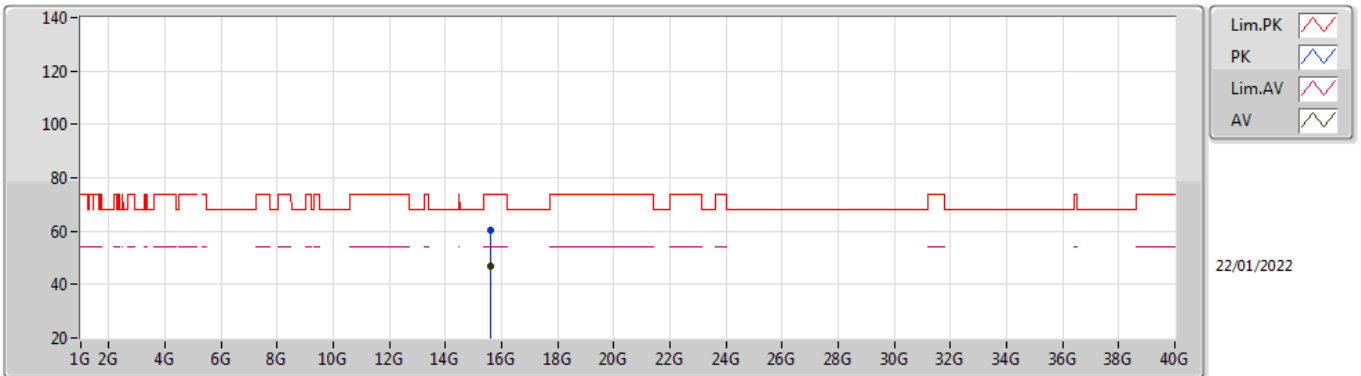


EUT X_4TX
Setting 24.5
06-F-B-4-10

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	5.146G	67.06	74.00	-6.94	61.56	3	Horizontal	94	1.01	-	31.72	5.75	31.97	
AV	5.08G	52.65	54.00	-1.35	47.12	3	Horizontal	94	1.01	-	31.80	5.68	31.95	
PK	5.197G	123.30	Inf	-Inf	118.08	3	Horizontal	94	1.01	-	31.42	5.80	32.00	
AV	5.1958G	114.76	Inf	-Inf	109.53	3	Horizontal	94	1.01	-	31.43	5.80	32.00	

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

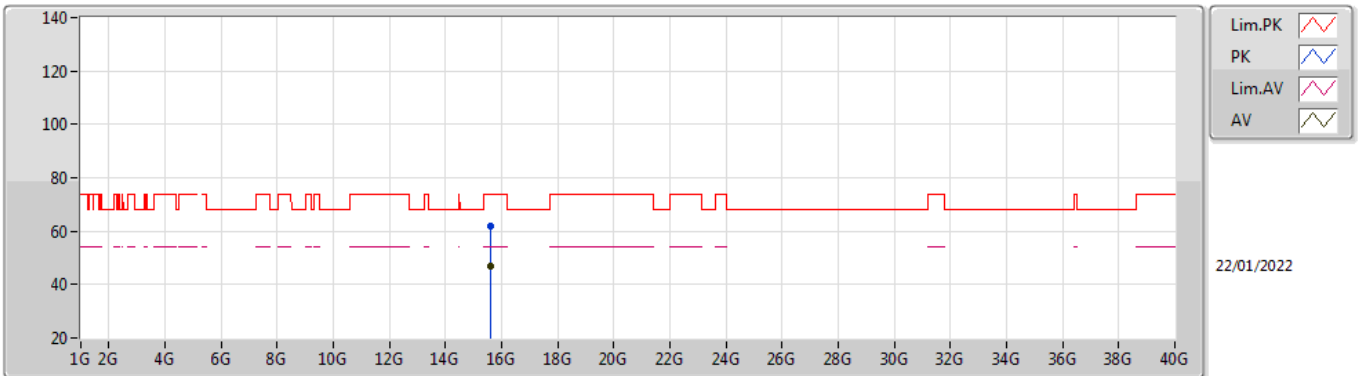


EUT_X_4TX
Setting 24.5
06-F-B-4

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	15.59936G	60.35	74.00	-13.65	44.07	3	Vertical	127	1.65	-	38.20	12.34	34.26
AV	15.60056G	47.05	54.00	-6.95	30.77	3	Vertical	127	1.65	-	38.20	12.34	34.26

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

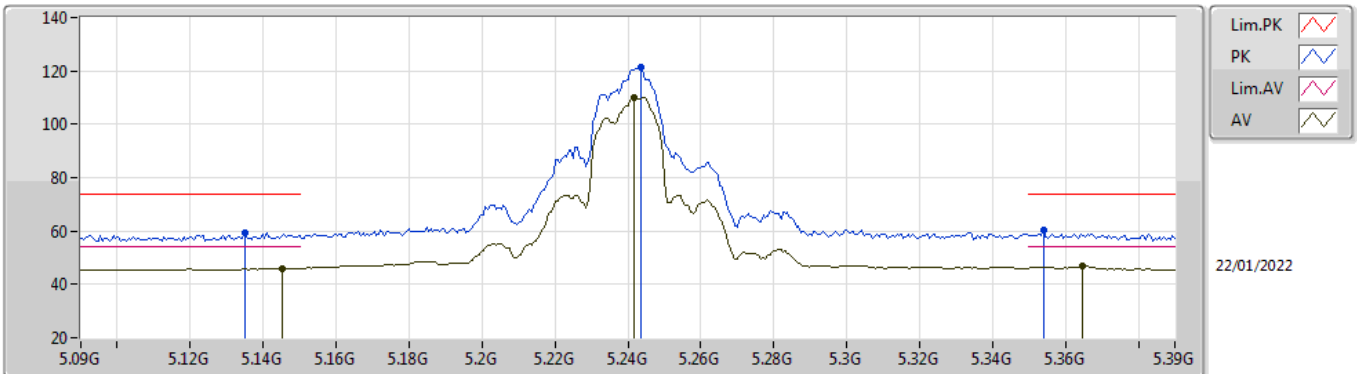


EUT_X_4TX
Setting 24.5
06-F-B-4

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	15.60296G	61.76	74.00	-12.24	45.49	3	Horizontal	123	1.33	-	38.19	12.34	34.26
AV	15.60204G	47.10	54.00	-6.90	30.83	3	Horizontal	123	1.33	-	38.19	12.34	34.26

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

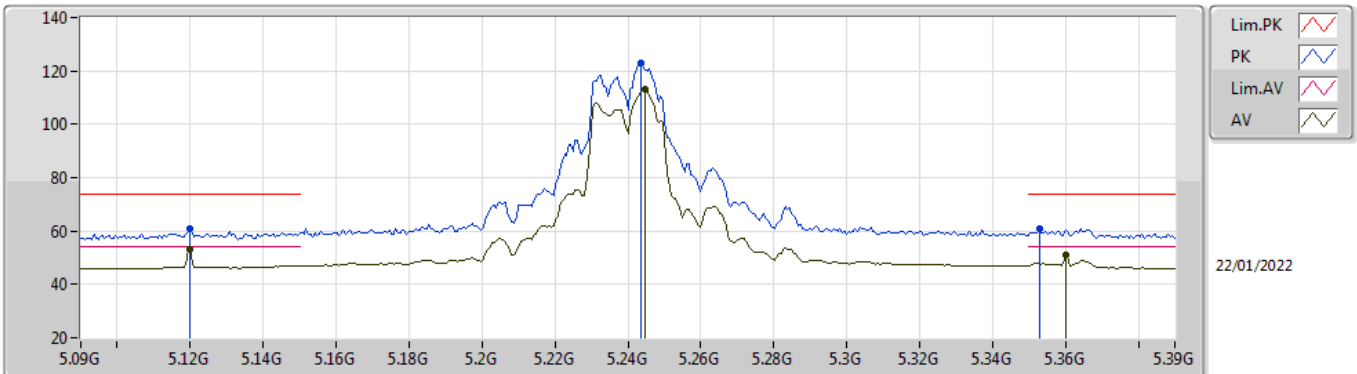


EUT X_4TX
Setting 23.5
06-F-B-4-10

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	5.135G	59.26	74.00	-14.74	53.70	3	Vertical	349	2.80	-	31.79	5.74	31.97
AV	5.145G	46.05	54.00	-7.95	40.54	3	Vertical	349	2.80	-	31.73	5.75	31.97
PK	5.243G	121.49	Inf	-Inf	116.57	3	Vertical	349	2.80	-	31.14	5.80	32.02
AV	5.2418G	110.21	Inf	-Inf	105.28	3	Vertical	349	2.80	-	31.15	5.80	32.02
PK	5.354G	60.17	74.00	-13.83	55.32	3	Vertical	349	2.80	-	31.12	5.80	32.07
AV	5.3648G	46.94	54.00	-7.06	42.02	3	Vertical	349	2.80	-	31.19	5.80	32.07

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

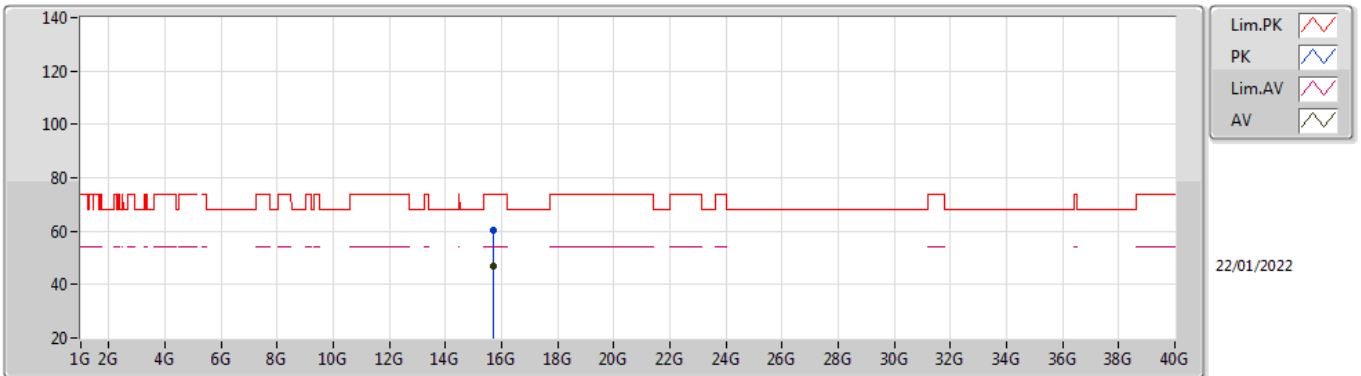


EUT X_4TX
Setting 23.5
06-F-B-4-10

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	5.12G	60.88	74.00	-13.12	55.24	3	Horizontal	119	1.28	-	31.88	5.72	31.96
AV	5.12G	52.99	54.00	-1.01	47.35	3	Horizontal	119	1.28	-	31.88	5.72	31.96
PK	5.2436G	123.03	Inf	-Inf	118.11	3	Horizontal	119	1.28	-	31.14	5.80	32.02
AV	5.2448G	112.91	Inf	-Inf	108.00	3	Horizontal	119	1.28	-	31.13	5.80	32.02
PK	5.3528G	60.65	74.00	-13.35	55.80	3	Horizontal	119	1.28	-	31.12	5.80	32.07
AV	5.36G	51.28	54.00	-2.72	46.39	3	Horizontal	119	1.28	-	31.16	5.80	32.07

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

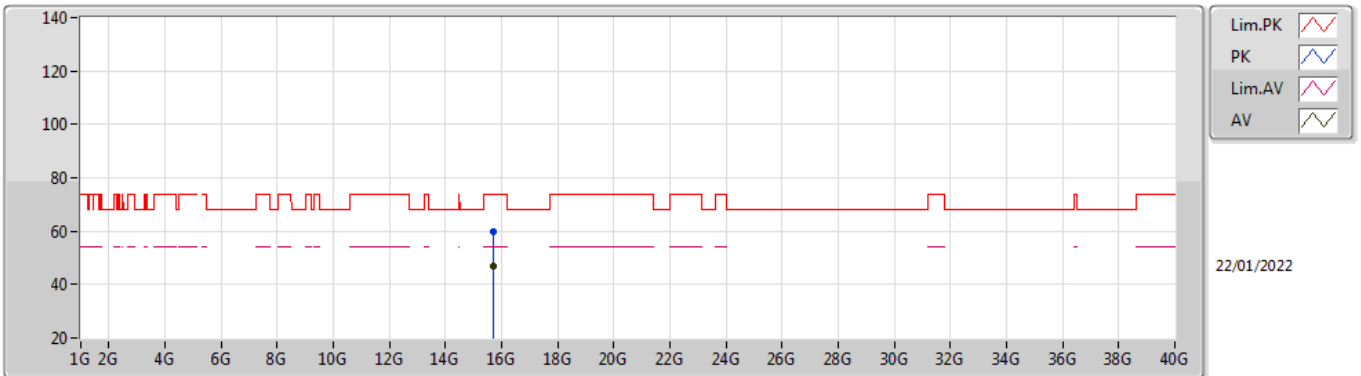


EUT X_4TX
Setting 23.5
06-F-B-4

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	15.72624G	60.15	74.00	-13.85	44.24	3	Vertical	43	1.29	-	37.80	12.42	34.31	
AV	15.72704G	46.75	54.00	-7.25	30.84	3	Vertical	43	1.29	-	37.80	12.42	34.31	

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

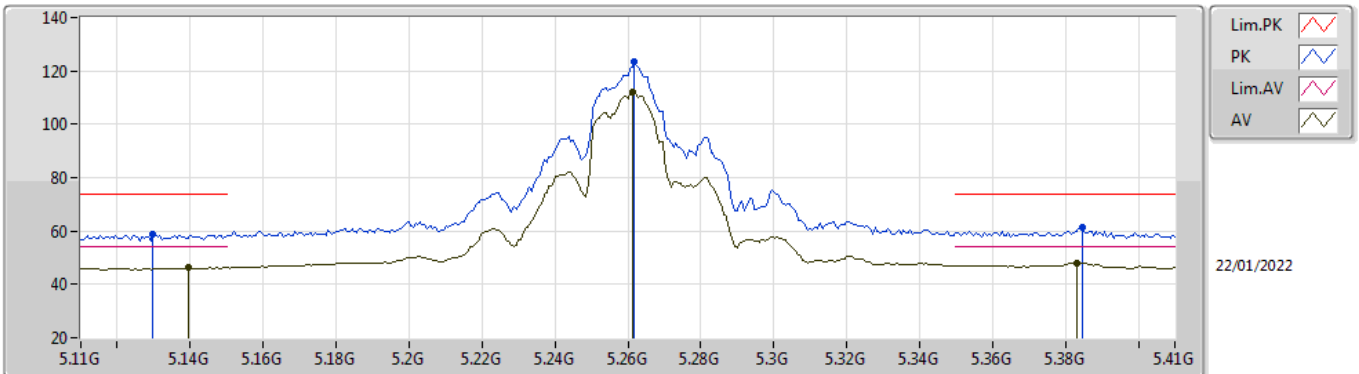


EUT X_4TX
Setting 23.5
06-F-B-4

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	15.72016G	59.97	74.00	-14.03	44.06	3	Horizontal	289	1.51	-	37.80	12.42	34.31
AV	15.72016G	46.71	54.00	-7.29	30.80	3	Horizontal	289	1.51	-	37.80	12.42	34.31

802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz_TnomVnom

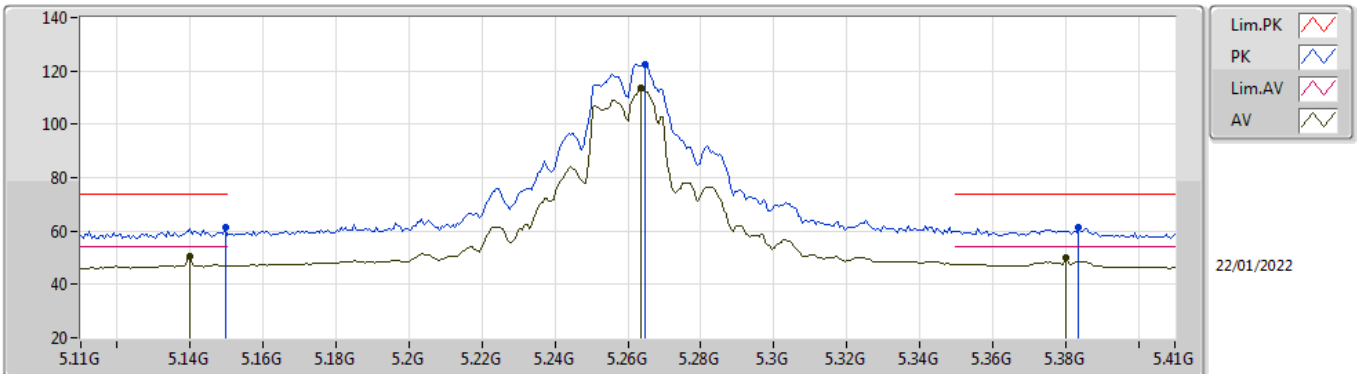


EUT X_4TX
Setting 25
06-F-B-4-10

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	5.1298G	58.85	74.00	-15.15	53.27	3	Vertical	347	2.52	-	31.82	5.73	31.97
AV	5.1394G	46.42	54.00	-7.58	40.89	3	Vertical	347	2.52	-	31.76	5.74	31.97
PK	5.2618G	123.29	Inf	-Inf	118.42	3	Vertical	347	2.52	-	31.10	5.80	32.03
AV	5.2612G	112.31	Inf	-Inf	107.43	3	Vertical	347	2.52	-	31.10	5.80	32.02
PK	5.3848G	61.57	74.00	-12.43	56.54	3	Vertical	347	2.52	-	31.31	5.80	32.08
AV	5.383G	47.88	54.00	-6.12	42.86	3	Vertical	347	2.52	-	31.30	5.80	32.08

802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz_TnomVnom

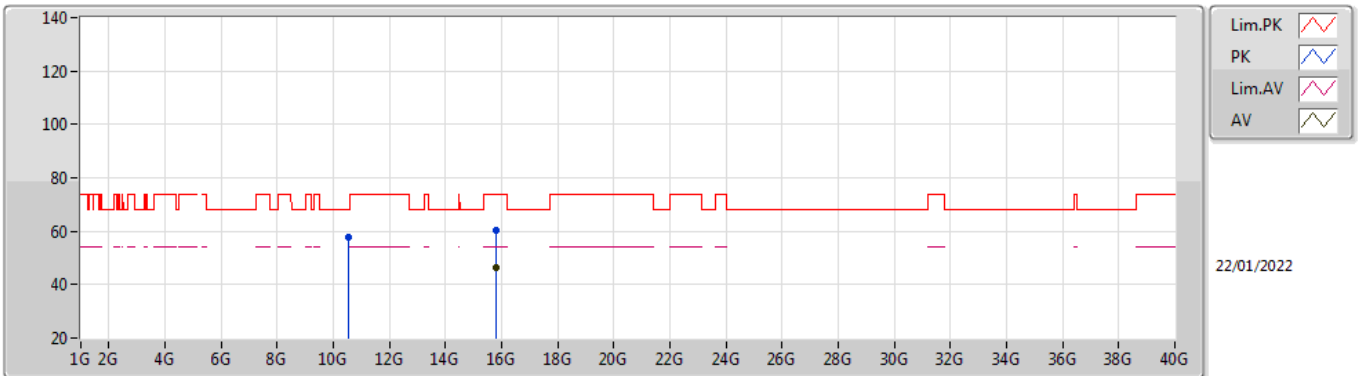


EUT X_4TX
Setting 25
06-F-B-4-10

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	61.26	74.00	-12.74	55.79	3	Horizontal	115	1.17	-	31.70	5.75	31.98
AV	5.14G	50.73	54.00	-3.27	45.20	3	Horizontal	115	1.17	-	31.76	5.74	31.97
PK	5.2648G	122.47	Inf	-Inf	117.60	3	Horizontal	115	1.17	-	31.10	5.80	32.03
AV	5.2636G	113.61	Inf	-Inf	108.74	3	Horizontal	115	1.17	-	31.10	5.80	32.03
PK	5.3836G	61.35	74.00	-12.65	56.33	3	Horizontal	115	1.17	-	31.30	5.80	32.08
AV	5.38G	49.94	54.00	-4.06	44.94	3	Horizontal	115	1.17	-	31.28	5.80	32.08

802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz_TnomVnom

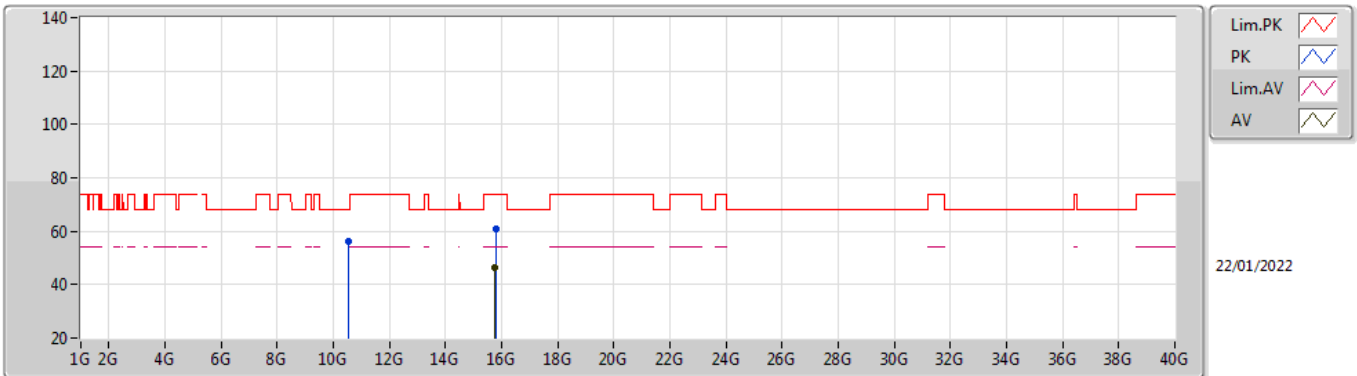


EUT X_4TX
Setting 25
06-F-B-4

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	10.52008G	57.76	68.20	-10.44	43.37	3	Vertical	339	1.80	-	39.62	8.91	34.14
PK	15.7866G	60.50	74.00	-13.50	44.57	3	Vertical	318	2.51	-	37.80	12.46	34.33
AV	15.78204G	46.52	54.00	-7.48	30.59	3	Vertical	318	2.51	-	37.80	12.46	34.33

802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz_TnomVnom

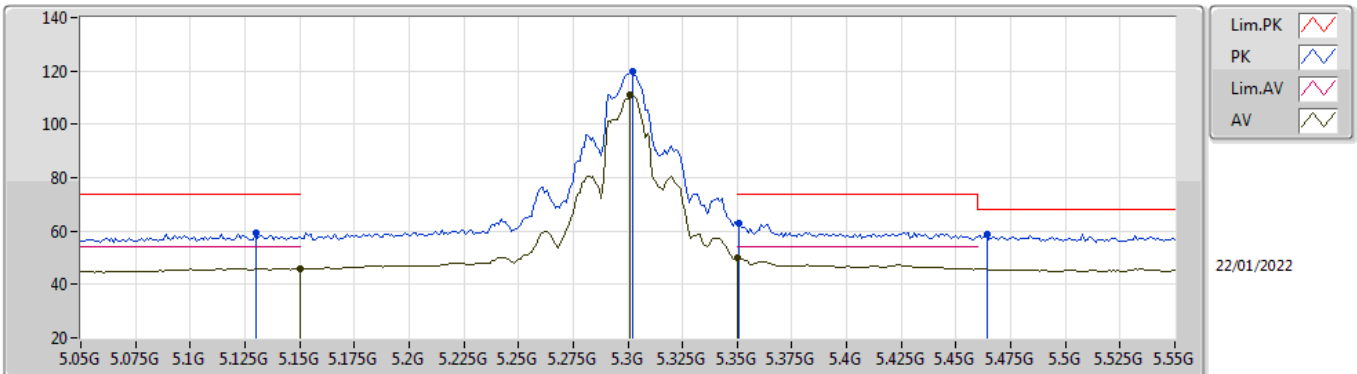


EUT X_4TX
Setting 25
06-F-B-4

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	10.52788G	56.02	68.20	-12.18	41.62	3	Horizontal	182	1.13	-	39.63	8.92	34.15
PK	15.77948G	60.68	74.00	-13.32	44.75	3	Horizontal	192	2.36	-	37.80	12.46	34.33
AV	15.77216G	46.47	54.00	-7.53	30.55	3	Horizontal	192	2.36	-	37.80	12.45	34.33

802.11ax HEW20_Nss1,(MCS0)_4TX

5300MHz_TnomVnom

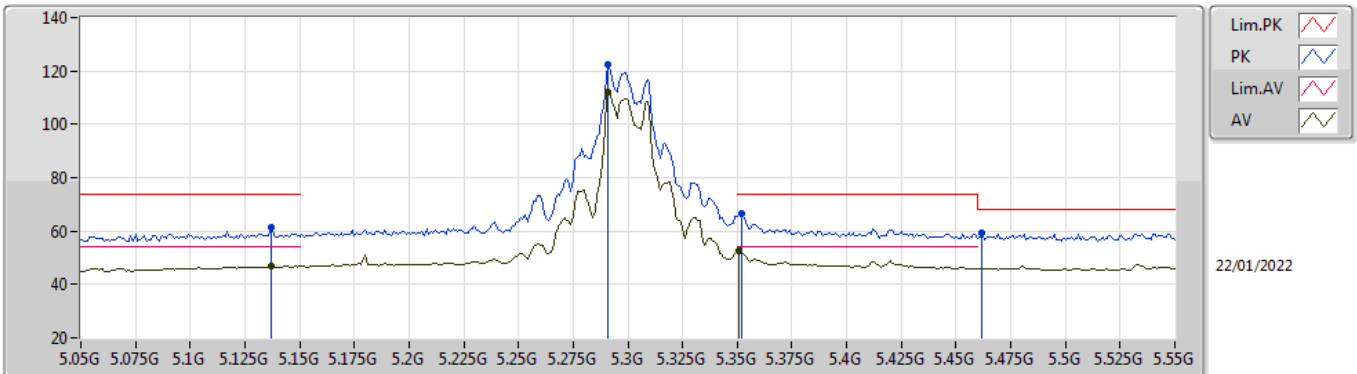


EUT X_4TX
Setting 24
06-F-B-4-10

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	5.13G	59.44	74.00	-14.56	53.86	3	Vertical	348	2.50	-	31.82	5.73	31.97
AV	5.15G	45.89	54.00	-8.11	40.42	3	Vertical	348	2.50	-	31.70	5.75	31.98
PK	5.302G	119.69	Inf	-Inf	114.83	3	Vertical	348	2.50	-	31.10	5.80	32.04
AV	5.301G	110.88	Inf	-Inf	106.02	3	Vertical	348	2.50	-	31.10	5.80	32.04
PK	5.351G	62.82	74.00	-11.18	57.97	3	Vertical	348	2.50	-	31.11	5.80	32.06
AV	5.35G	49.94	54.00	-4.06	45.10	3	Vertical	348	2.50	-	31.10	5.80	32.06
PK	5.464G	58.92	68.20	-9.28	53.67	3	Vertical	348	2.50	-	31.50	5.86	32.11

802.11ax HEW20_Nss1,(MCS0)_4TX

5300MHz_TnomVnom

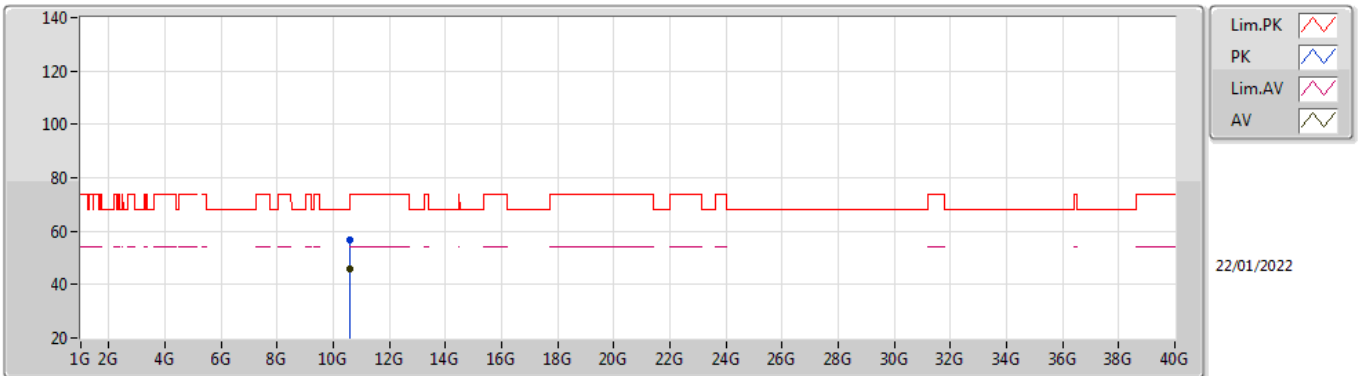


EUT X_4TX
Setting 24
06-F-B-4-10

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	5.137G	61.31	74.00	-12.69	55.76	3	Horizontal	83	1.47	-	31.78	5.74	31.97
AV	5.137G	46.83	54.00	-7.17	41.28	3	Horizontal	83	1.47	-	31.78	5.74	31.97
PK	5.291G	122.46	Inf	-Inf	117.60	3	Horizontal	83	1.47	-	31.10	5.80	32.04
AV	5.291G	112.29	Inf	-Inf	107.43	3	Horizontal	83	1.47	-	31.10	5.80	32.04
PK	5.352G	66.30	74.00	-7.70	61.45	3	Horizontal	83	1.47	-	31.11	5.80	32.06
AV	5.351G	52.80	54.00	-1.20	47.95	3	Horizontal	83	1.47	-	31.11	5.80	32.06
PK	5.462G	59.36	68.20	-8.84	54.11	3	Horizontal	83	1.47	-	31.50	5.86	32.11

802.11ax HEW20_Nss1,(MCS0)_4TX

5300MHz_TnomVnom

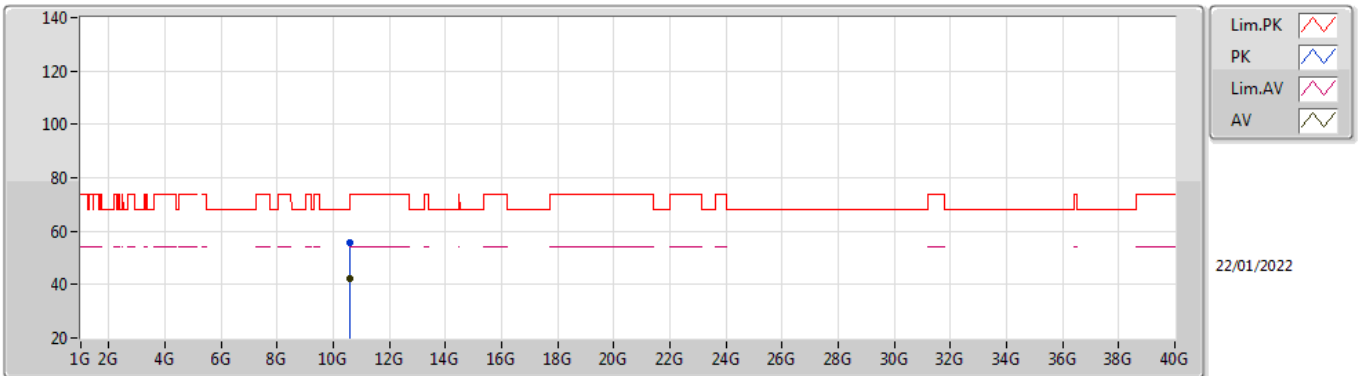


EUT X_4TX
Setting 24
06-F-B-4

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	10.60008G	56.80	74.00	-17.20	42.30	3	Vertical	332	2.20	-	39.70	8.96	34.16
AV	10.6G	45.85	54.00	-8.15	31.35	3	Vertical	332	2.20	-	39.70	8.96	34.16

802.11ax HEW20_Nss1,(MCS0)_4TX

5300MHz_TnomVnom

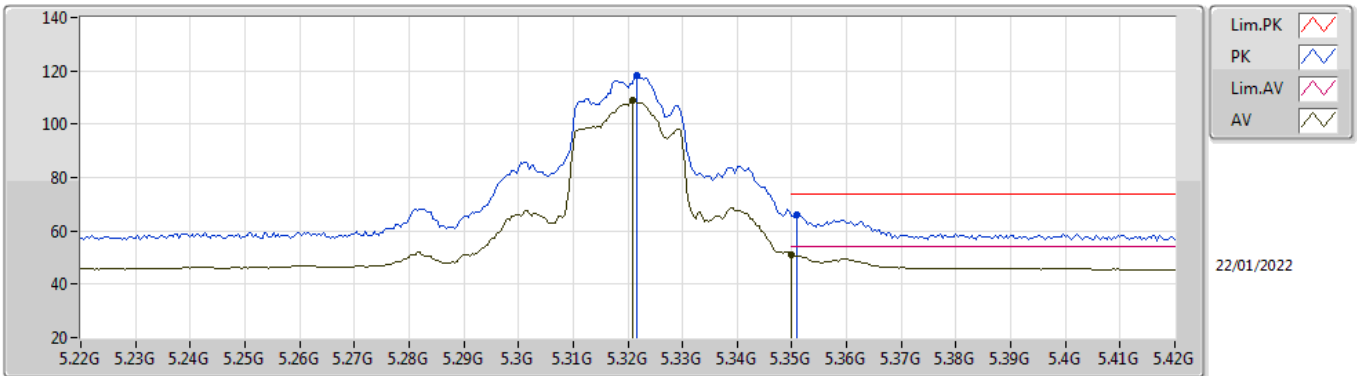


EUT X_4TX
Setting 24
06-F-B-4

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	10.60124G	55.94	74.00	-18.06	41.44	3	Horizontal	298	2.37	-	39.70	8.96	34.16
AV	10.60004G	42.12	54.00	-11.88	27.62	3	Horizontal	298	2.37	-	39.70	8.96	34.16

802.11ax HEW20_Nss1,(MCS0)_4TX

5320MHz_TnomVnom

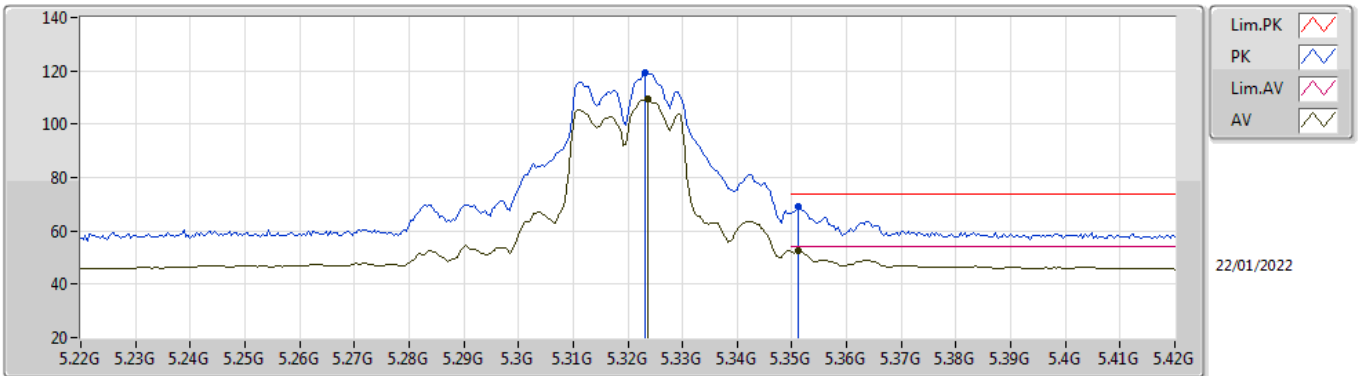


EUT X_4TX
Setting 21.5
06-F-B-4-10

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	5.3216G	118.06	Inf	-Inf	113.21	3	Vertical	350	2.37	-	31.10	5.80	32.05	
AV	5.3208G	109.05	Inf	-Inf	104.20	3	Vertical	350	2.37	-	31.10	5.80	32.05	
PK	5.3508G	65.84	74.00	-8.16	61.00	3	Vertical	350	2.37	-	31.10	5.80	32.06	
AV	5.35G	50.78	54.00	-3.22	45.94	3	Vertical	350	2.37	-	31.10	5.80	32.06	

802.11ax HEW20_Nss1,(MCS0)_4TX

5320MHz_TnomVnom

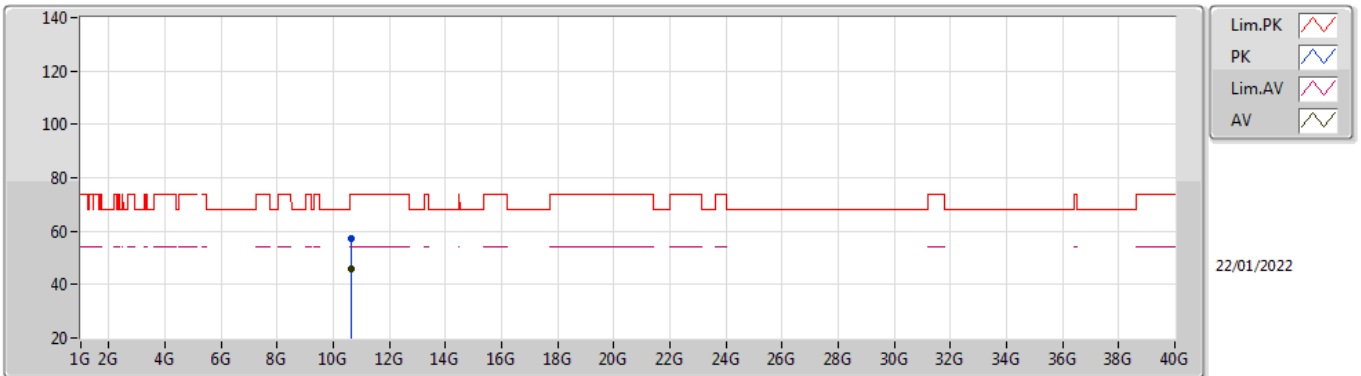


EUT X_4TX
Setting 21.5
06-F-B-4-10

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	5.3232G	119.53	Inf	-Inf	114.68	3	Horizontal	121	1.07	-	31.10	5.80	32.05	
AV	5.3236G	109.31	Inf	-Inf	104.46	3	Horizontal	121	1.07	-	31.10	5.80	32.05	
PK	5.3512G	68.93	74.00	-5.07	64.08	3	Horizontal	121	1.07	-	31.11	5.80	32.06	
AV	5.3512G	52.36	54.00	-1.64	47.51	3	Horizontal	121	1.07	-	31.11	5.80	32.06	

802.11ax HEW20_Nss1,(MCS0)_4TX

5320MHz_TnomVnom

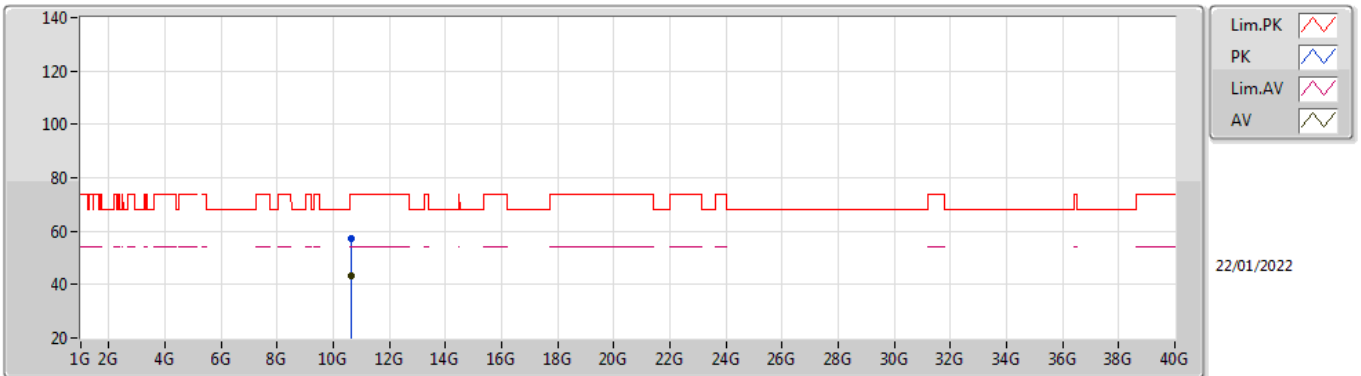


EUT X_4TX
Setting 21.5
06-F-B-4

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	10.64G	57.02	74.00	-16.98	42.55	3	Vertical	333	1.86	-	39.66	8.98	34.17
AV	10.64G	46.11	54.00	-7.89	31.64	3	Vertical	333	1.86	-	39.66	8.98	34.17

802.11ax HEW20_Nss1,(MCS0)_4TX

5320MHz_TnomVnom

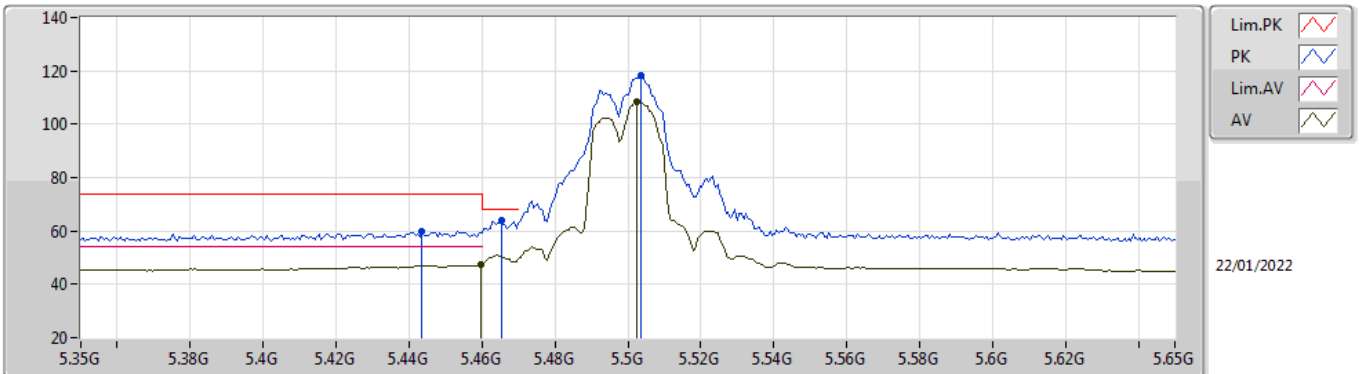


EUT X_4TX
Setting 21.5
06-F-B-4

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	10.64084G	57.19	74.00	-16.81	42.72	3	Horizontal	183	2.46	-	39.66	8.98	34.17
AV	10.64012G	43.11	54.00	-10.89	28.64	3	Horizontal	183	2.46	-	39.66	8.98	34.17

802.11ax HEW20_Nss1,(MCS0)_4TX

5500MHz_TnomVnom

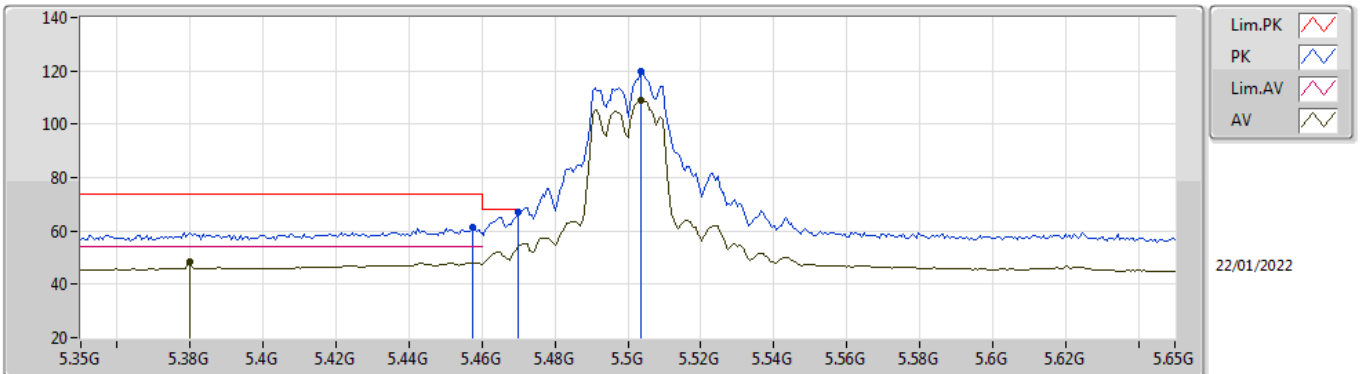


EUT_X_4TX
Setting 21
06-F-B-4-10

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	5.4436G	59.87	74.00	-14.13	54.65	3	Vertical	350	2.84	-	31.49	5.84	32.11	
PK	5.4652G	63.98	68.20	-4.22	58.72	3	Vertical	350	2.84	-	31.50	5.87	32.11	
AV	5.4598G	47.40	54.00	-6.60	42.15	3	Vertical	350	2.84	-	31.50	5.86	32.11	
PK	5.5036G	118.42	Inf	-Inf	113.15	3	Vertical	350	2.84	-	31.50	5.90	32.13	
AV	5.5024G	108.28	Inf	-Inf	103.01	3	Vertical	350	2.84	-	31.50	5.90	32.13	

802.11ax HEW20_Nss1,(MCS0)_4TX

5500MHz_TnomVnom

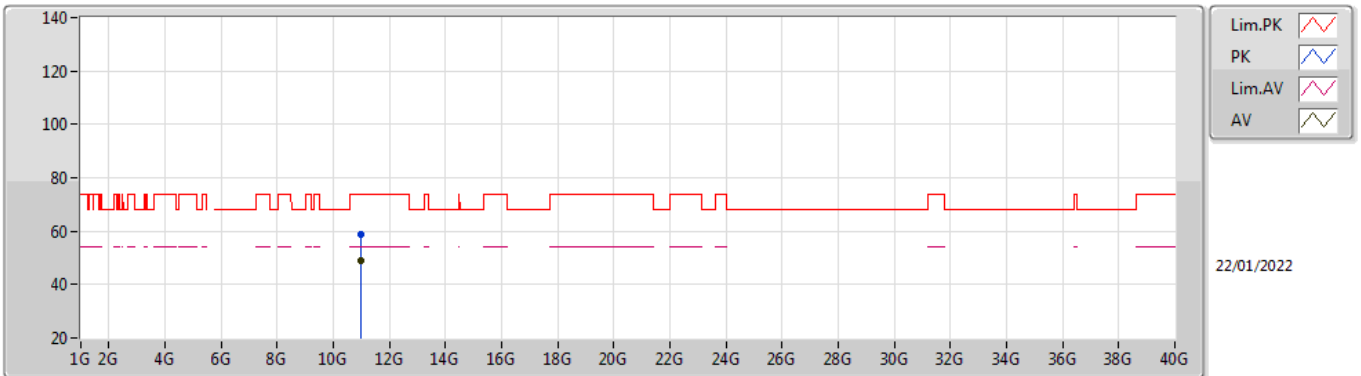


EUT X_4TX
Setting 21
06-F-B-4-10

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)	
AV	5.38G	48.45	54.00	-5.55	43.45	3	Horizontal	125	1.00	-	31.28	5.80	32.08	
PK	5.4574G	61.60	74.00	-12.40	56.35	3	Horizontal	125	1.00	-	31.50	5.86	32.11	
PK	5.47G	66.93	68.20	-1.27	61.68	3	Horizontal	125	1.00	-	31.50	5.87	32.12	
PK	5.5036G	119.59	Inf	-Inf	114.32	3	Horizontal	125	1.00	-	31.50	5.90	32.13	
AV	5.5036G	108.89	Inf	-Inf	103.62	3	Horizontal	125	1.00	-	31.50	5.90	32.13	

802.11ax HEW20_Nss1,(MCS0)_4TX

5500MHz_TnomVnom

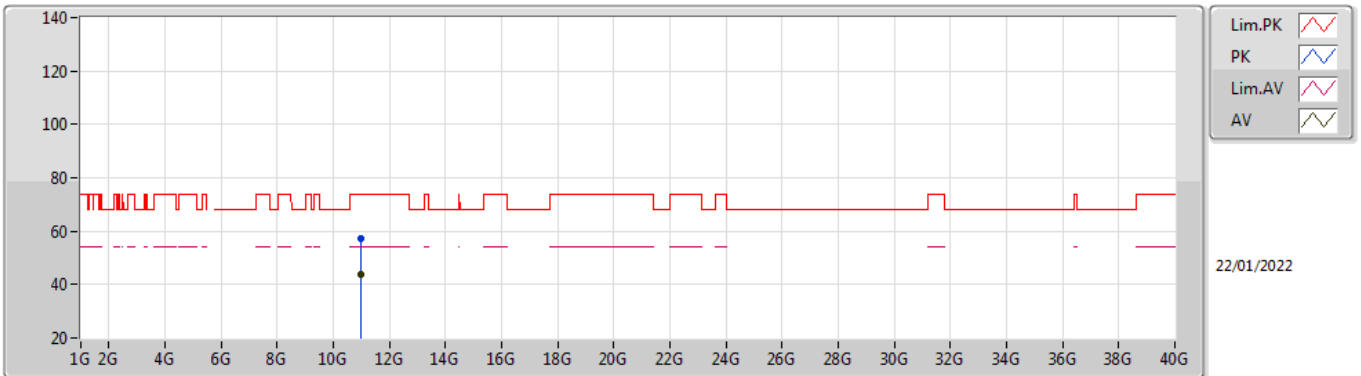


EUT X_4TX
Setting 21
06-F-B-4

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	10.99984G	58.83	74.00	-15.17	43.66	3	Vertical	327	1.77	-	40.20	9.20	34.23	
AV	11G	48.95	54.00	-5.05	33.78	3	Vertical	327	1.77	-	40.20	9.20	34.23	

802.11ax HEW20_Nss1,(MCS0)_4TX

5500MHz_TnomVnom

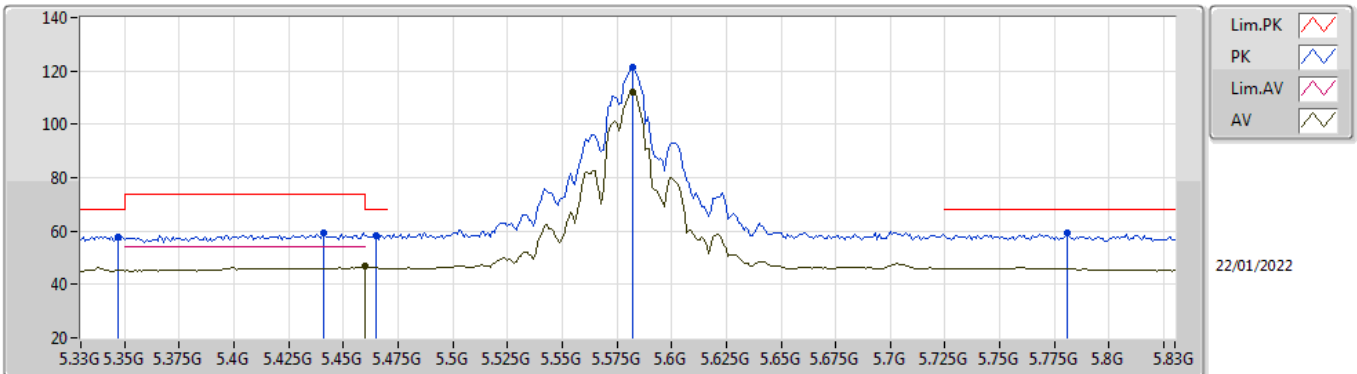


EUT X_4TX
Setting 21
06-F-B-4

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	10.99588G	57.20	74.00	-16.80	42.03	3	Horizontal	19	1.69	-	40.20	9.20	34.23	
AV	11G	43.74	54.00	-10.26	28.57	3	Horizontal	19	1.69	-	40.20	9.20	34.23	

802.11ax HEW20_Nss1,(MCS0)_4TX

5580MHz_TnomVnom

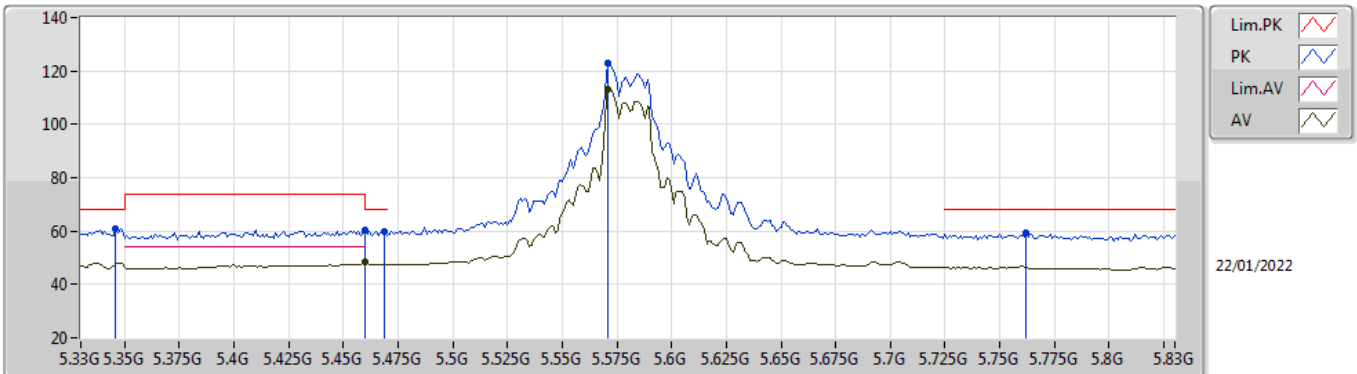


EUT X_4TX
Setting 25
06-F-B-4-10

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	5.347G	57.98	68.20	-10.22	53.14	3	Vertical	16	2.47	-	31.10	5.80	32.06	
PK	5.441G	59.47	74.00	-14.53	54.25	3	Vertical	16	2.47	-	31.48	5.84	32.10	
PK	5.465G	58.47	68.20	-9.73	53.22	3	Vertical	16	2.47	-	31.50	5.86	32.11	
AV	5.46G	46.65	54.00	-7.35	41.40	3	Vertical	16	2.47	-	31.50	5.86	32.11	
PK	5.582G	121.61	Inf	-Inf	116.25	3	Vertical	16	2.47	-	31.56	5.98	32.18	
AV	5.582G	111.89	Inf	-Inf	106.53	3	Vertical	16	2.47	-	31.56	5.98	32.18	
PK	5.781G	59.40	68.20	-8.80	53.70	3	Vertical	16	2.47	-	32.00	6.00	32.30	

802.11ax HEW20_Nss1,(MCS0)_4TX

5580MHz_TnomVnom

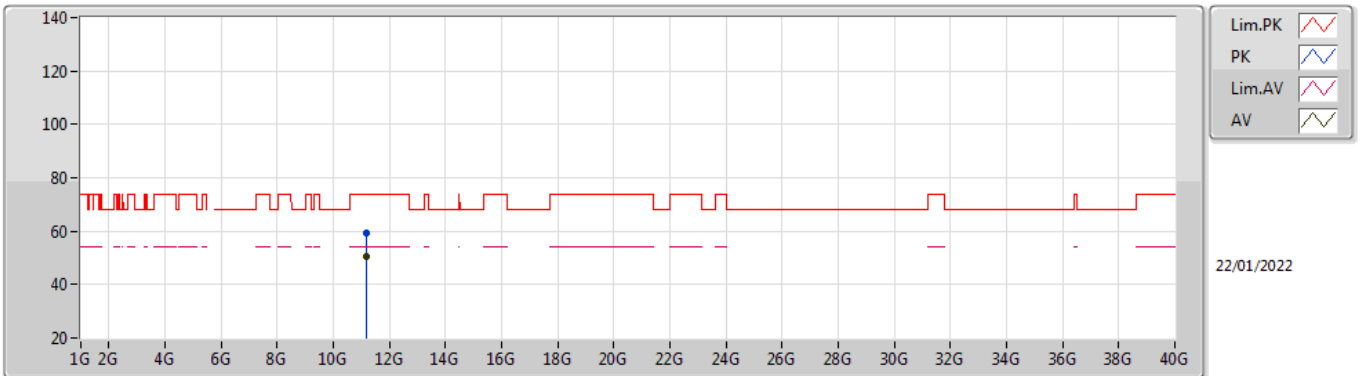


EUT X_4TX
Setting 25
06-F-B-4-10

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	5.346G	60.94	68.20	-7.26	56.10	3	Horizontal	80	1.35	-	31.10	5.80	32.06	
PK	5.46G	60.37	74.00	-13.63	55.12	3	Horizontal	80	1.35	-	31.50	5.86	32.11	
AV	5.46G	48.60	54.00	-5.40	43.35	3	Horizontal	80	1.35	-	31.50	5.86	32.11	
PK	5.469G	59.80	68.20	-8.40	54.55	3	Horizontal	80	1.35	-	31.50	5.87	32.12	
PK	5.571G	122.84	Inf	-Inf	117.50	3	Horizontal	80	1.35	-	31.54	5.97	32.17	
AV	5.571G	113.27	Inf	-Inf	107.93	3	Horizontal	80	1.35	-	31.54	5.97	32.17	
PK	5.762G	59.06	68.20	-9.14	53.35	3	Horizontal	80	1.35	-	32.00	6.00	32.29	

802.11ax HEW20_Nss1,(MCS0)_4TX

5580MHz_TnomVnom

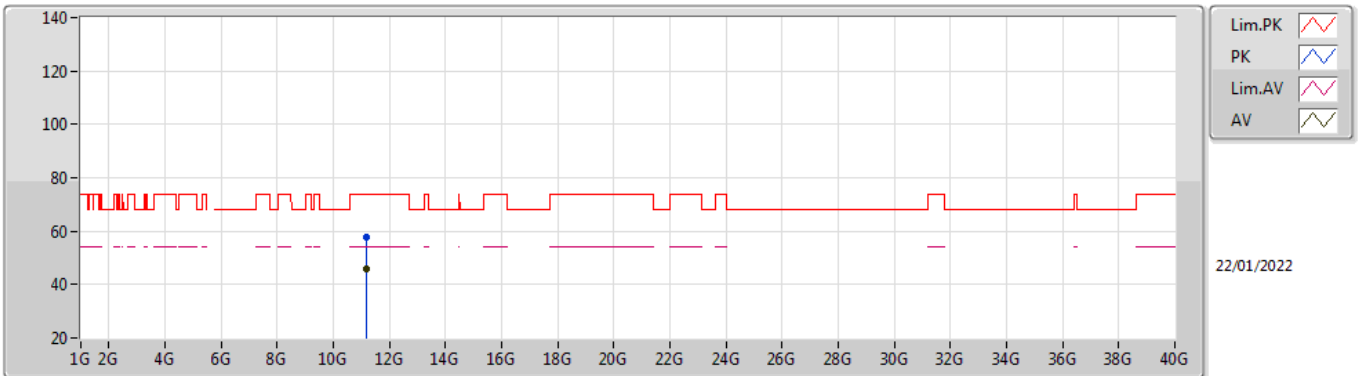


EUT X_4TX
Setting 25
06-F-B-4

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	11.15984G	59.17	74.00	-14.83	44.45	3	Vertical	41	2.17	-	39.68	9.30	34.26	
AV	11.16G	50.65	54.00	-3.35	35.93	3	Vertical	41	2.17	-	39.68	9.30	34.26	

802.11ax HEW20_Nss1,(MCS0)_4TX

5580MHz_TnomVnom

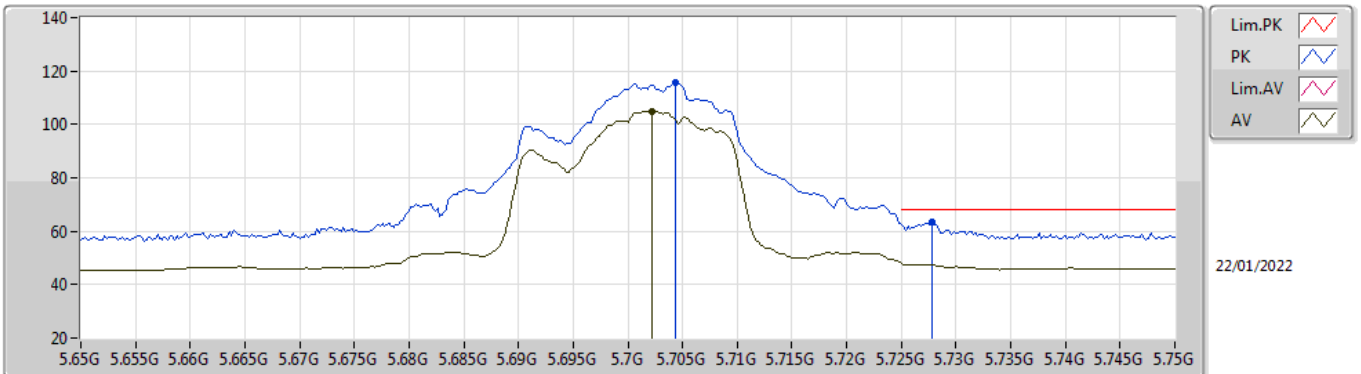


EUT X_4TX
Setting 25
06-F-B-4

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	11.1599G	57.62	74.00	-16.38	42.90	3	Horizontal	40	1.61	-	39.68	9.30	34.26
AV	11.16002G	46.12	54.00	-7.88	31.40	3	Horizontal	40	1.61	-	39.68	9.30	34.26

802.11ax HEW20_Nss1,(MCS0)_4TX

5700MHz_TnomVnom

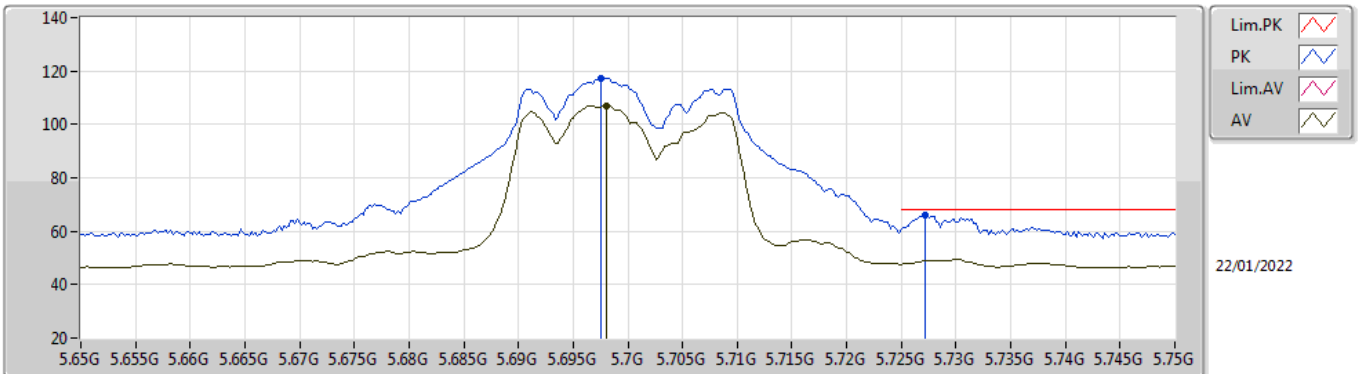


EUT_X_4TX
Setting 18.5
06-F-B-4-10

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	5.7044G	115.50	Inf	-Inf	109.93	3	Vertical	351	2.44	-	31.82	6.00	32.25	
AV	5.7022G	105.03	Inf	-Inf	99.47	3	Vertical	351	2.44	-	31.81	6.00	32.25	
PK	5.7278G	63.20	68.20	-5.00	57.56	3	Vertical	351	2.44	-	31.91	6.00	32.27	

802.11ax HEW20_Nss1,(MCS0)_4TX

5700MHz_TnomVnom

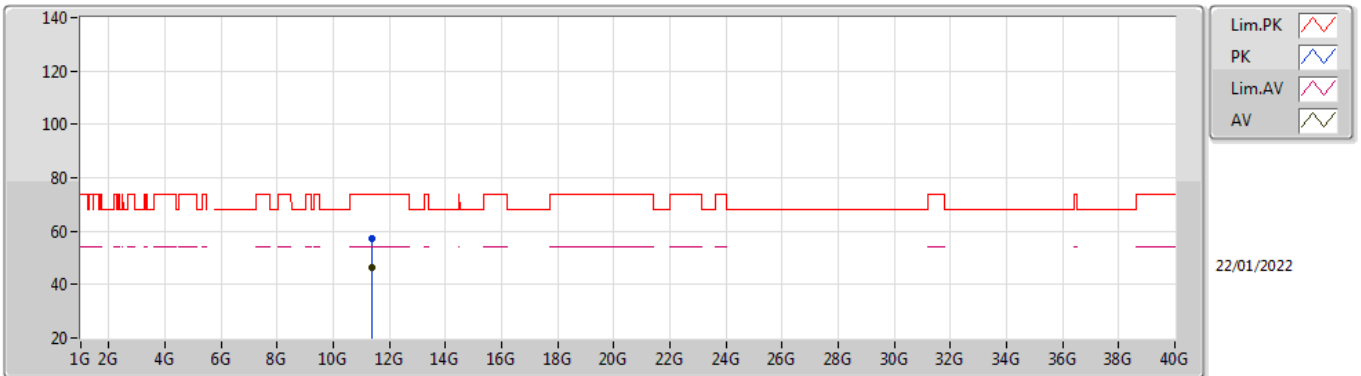


EUT_X_4TX
Setting 18.5
06-F-B-4-10

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	5.6976G	117.12	Inf	-Inf	111.58	3	Horizontal	96	1.00	-	31.79	6.00	32.25	
AV	5.698G	106.94	Inf	-Inf	101.40	3	Horizontal	96	1.00	-	31.79	6.00	32.25	
PK	5.7272G	65.81	68.20	-2.39	60.17	3	Horizontal	96	1.00	-	31.91	6.00	32.27	

802.11ax HEW20_Nss1,(MCS0)_4TX

5700MHz_TnomVnom



EUT X_4TX
Setting 18.5
06-F-B-4

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	11.40016G	57.21	74.00	-16.79	42.26	3	Vertical	324	1.62	-	39.80	9.44	34.29
AV	11.4G	46.29	54.00	-7.71	31.34	3	Vertical	324	1.62	-	39.80	9.44	34.29