



RADIO TEST REPORT

FCC ID : MSQ-RTAX5D00
Equipment : ROG Rapture Quad-band Gaming Router
Brand Name : ASUS
Model Name : GT-AXE16000
Applicant : ASUSTeK COMPUTER INC.
1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan
Manufacturer (1) : Datamax Electronics (DongGuan) Co., Ltd.
Niu Shan Foreign Economic Industrial Park, Dong Cheng District,
Dong Guan City, Guang Dong, China
Manufacturer (2) : Lukisen Electronic Corp.
3F.,No.236,Boai St., Shulin Dist.,New Taipei City 23845, Taiwan
Manufacturer (3) : Lih Rong Electronic Enterprise Co.,Ltd.
No. 486, Sec. 1, Wanshou Road, Guishan District, Taoyuan City,
Taiwan
Manufacturer (4) : ASKEY COMPUTER CORP.
5F,NO.119,JIANKANG RD., ZHONGHE DIST.,NEW TAIPEI CITY 23585,
TAIWAN, R.O.C.
Manufacturer (5) : ARCADYAN TECHNOLOGY (VIETNAM) CO.,LTD
NO.4-5-6, Thang long Industrial Park (Vinh Phuc), Thien Ke
commune,Binh Xuyen district,Vinh Phuc province,Vietnam
Standard : 47 CFR FCC Part 15.407

The product was received on Nov. 15, 2021, and testing was started from Nov. 15, 2021 and completed on Jan. 27, 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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History of this test report

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

Page Number : 3 of 43
Issued Date : Jan. 28, 2022
Report Version : 01



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Sam Chen

Report Producer: Wendy Pan



1 General Description

1.1 Information

1.1.1 RF General Information

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



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



Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ac HEW160-BF	160	4
5.25-5.35GHz	802.11ax HEW160	160	4
5.25-5.35GHz	802.11ax HEW160-BF	160	4
5.47-5.725GHz	802.11a	20	4
5.47-5.725GHz	802.11n HT20	20	4
5.47-5.725GHz	802.11n HT20-BF	20	4
5.47-5.725GHz	802.11ac VHT20	20	4
5.47-5.725GHz	802.11ac VHT20-BF	20	4
5.47-5.725GHz	802.11ax HEW20	20	4
5.47-5.725GHz	802.11ax HEW20-BF	20	4
5.47-5.725GHz	802.11n HT40	40	4
5.47-5.725GHz	802.11n HT40-BF	40	4
5.47-5.725GHz	802.11ac VHT40	40	4
5.47-5.725GHz	802.11ac VHT40-BF	40	4
5.47-5.725GHz	802.11ax HEW40	40	4
5.47-5.725GHz	802.11ax HEW40-BF	40	4
5.47-5.725GHz	802.11ac VHT80	80	4
5.47-5.725GHz	802.11ac VHT80-BF	80	4
5.47-5.725GHz	802.11ax HEW80	80	4
5.47-5.725GHz	802.11ax HEW80-BF	80	4
5.47-5.725GHz	802.11ac HEW160	160	4
5.47-5.725GHz	802.11ac HEW160-BF	160	4
5.47-5.725GHz	802.11ax HEW160	160	4
5.47-5.725GHz	802.11ax HEW160-BF	160	4
5.725-5.85GHz	802.11a	20	4
5.725-5.85GHz	802.11n HT20	20	4
5.725-5.85GHz	802.11n HT20-BF	20	4
5.725-5.85GHz	802.11ac VHT20	20	4
5.725-5.85GHz	802.11ac VHT20-BF	20	4
5.725-5.85GHz	802.11ax HEW20	20	4
5.725-5.85GHz	802.11ax HEW20-BF	20	4
5.725-5.85GHz	802.11n HT40	40	4
5.725-5.85GHz	802.11n HT40-BF	40	4
5.725-5.85GHz	802.11ac VHT40	40	4
5.725-5.85GHz	802.11ac VHT40-BF	40	4
5.725-5.85GHz	802.11ax HEW40	40	4
5.725-5.85GHz	802.11ax HEW40-BF	40	4
5.725-5.85GHz	802.11ac VHT80	80	4
5.725-5.85GHz	802.11ac VHT80-BF	80	4
5.725-5.85GHz	802.11ax HEW80	80	4



Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ax HEW80-BF	80	4

Note:

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


1.1.2 Antenna Information

Ant.	Port				Brand Name	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz UNII 1& UNII 2A	WLAN 5GHz UNII 2C& UNII 3	WLAN 6GHz					
1	2	2	-	-	WALSIN	RFPCA311406IMLB901	PCB	I-PEX	Note2
2	1	1	-	-	WALSIN	RFDPA181121IMLB901	Dipole	I-PEX	
3	4	4	-	-	WALSIN	RFDPA181121IMLB902	Dipole	I-PEX	
4	3	3	-	-	WALSIN	RFDPA181105IMLB901	Dipole	I-PEX	
5	-	-	4	-	WALSIN	RFPCA191412IM5B901	PCB	I-PEX	
6	-	-	3	-	WALSIN	RFDPA181108IM5B901	Dipole	I-PEX	
7	-	-	2	-	WALSIN	RFDPA181119IM5B901	Dipole	I-PEX	
8	-	-	1	-	WALSIN	RFDPA181125IM5B901	Dipole	I-PEX	
9	-	-	-	4	WALSIN	RFPCA170920IM6B901	PCB	I-PEX	
10	-	-	-	3	WALSIN	RFPCA222024IMLB901	PCB	I-PEX	
11	-	-	-	2	WALSIN	RFDPA181119IM6B901	Dipole	I-PEX	
12	-	-	-	1	WALSIN	RFDPA181110IM6B901	Dipole	I-PEX	

Note1: The above information was declared by manufacturer.

Note2:

Mode 1: 2G5GL-external antenna Vertical

Band (MHz)	2400-2483.5	5150-5250	5250-5350
Frequency (Hz)	2.45G	5.2G	5.3G
Ant. 1 Max Gain (dBi)	2.65	4.07	4.06
Ant. 2 Max Gain (dBi)	2.48	4.53	4.51
Ant. 3 Max Gain (dBi)	3.86	4.4	4.61
Ant. 4 Max Gain (dBi)	2.62	5.3	5.33
DG [1SS] (dBi)	4.65	5.99	6.25

Mode 2: 2G5GL-external antenna Horizontal

Band (MHz)	2400-2483.5	5150-5250	5250-5350
Frequency (Hz)	2.45G	5.2G	5.3G
Ant. 1 Max Gain (dBi)	2.65	4.07	4.06
Ant. 2 Max Gain (dBi)	4.51	5.02	5.28
Ant. 3 Max Gain (dBi)	3.89	3.87	3.47
Ant. 4 Max Gain (dBi)	3.72	5.28	5.32
DG [1SS] (dBi)	6.22	5.64	5.45

**Mode 3: 5GH-external antenna Vertical**

Band (MHz)	5470-5725	5725-5850
Frequency (Hz)	5.6G	5.785G
Ant. 1 Max Gain (dBi)	2.24	1.85
Ant. 2 Max Gain (dBi)	3.91	4.69
Ant. 3 Max Gain (dBi)	4.67	5.38
Ant. 4 Max Gain (dBi)	3.24	3.84
DG [1SS] (dBi)	6.24	6.26

Mode 4: 5GH-external antenna Horizontal

Band (MHz)	5470-5725	5725-5850
Frequency (Hz)	5.6G	5.785G
Ant. 1 Max Gain (dBi)	2.24	1.85
Ant. 2 Max Gain (dBi)	3.58	4.1
Ant. 3 Max Gain (dBi)	2.6	2.76
Ant. 4 Max Gain (dBi)	2.74	2.54
DG [1SS] (dBi)	3.62	4.12

Mode 5: 6G-external antenna Vertical

Band (MHz)	6175	6475	6695	6995
Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	3.38	2.11	1.82	2.74
Ant. 2 Max Gain (dBi)	1.44	2.37	3.17	4.47
Ant. 3 Max Gain (dBi)	4.13	3.01	3.54	4.44
Ant. 4 Max Gain (dBi)	4.46	4.4	4.49	4.91
DG [1SS] (dBi)	4.52	4.89	4.95	5.58
DG [2SS] (dBi)	4.46	4.4	4.49	4.91

Mode 6: 6G-external antenna Horizontal

Band (MHz)	6175	6475	6695	6995
Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	3.38	2.11	1.82	2.74
Ant. 2 Max Gain (dBi)	1.44	2.37	3.17	4.47
Ant. 3 Max Gain (dBi)	4.56	3.5	4.02	4.63
Ant. 4 Max Gain (dBi)	3.6	3.92	3.54	4.81
DG [1SS] (dBi)	3.84	3.98	2.78	3.35
DG [2SS] (dBi)	-	3.92	-	-

Note3: The directional gain is measured which follows the procedure of KDB 662911 D03.

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

Only the highest gain antenna was selected from each different antenna mode of antenna to test and record in this report.

For 2.4GHz function:**For IEEE 802.11b/g/n/VHT/ax (4TX/4RX):**

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

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

For 5GHz function:**For IEEE 802.11a/n/ac/ax (4TX/4RX):**

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

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

For 6GHz function:**For IEEE 802.11ax (4TX/4RX):**

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

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

1.1.3 Mode Test Duty Cycle

For UNII 1 and UNII 2A:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.948	0.23	2.066m	1k
802.11ax HEW20-BF	0.954	0.2	2.926m	1k
802.11ax HEW40-BF	0.962	0.17	4.36m	300
802.11ax HEW80-BF	0.959	0.18	4.826m	300
802.11ax HEW160-BF	0.963	0.16	5.323m	300

For UNII 2C and UNII 3:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.954	0.2	2.068m	1k
802.11ax HEW20-BF	0.959	0.18	2.926m	1k
802.11ax HEW40-BF	0.947	0.24	4.359m	300
802.11ax HEW80-BF	0.961	0.17	4.143m	300
802.11ax HEW160-BF	0.96	0.18	4.985m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz, n/ac/ax in 5GHz and ax in 6GHz.			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	Mtool 3.2.1.4, DOS[10.0.19043.1320]、LanTest20(version 2.0.0.2)			

Note: The above information was declared by manufacturer.

1.1.5 Table for Components Source Information

Component	Main Source	Second Source
5G pre filter	Brand: Qorvo Model: QPQ1904	-
DDR4	Brand: SAMSUNG Model: K4A4G165WF-BCTD	Brand: SAMSUNG Model: K4A8G165WC-BCWE

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT information

EUT	5G pre filter	DDR4
EUT 1	N/A	Main Source
EUT 2	V	Main Source
EUT 3	N/A	Second Source

Note: The EUT 1 was performed testing for all items.

The EUT 2 and EUT 3 were performed testing for Radiated Emissions.

1.1.7 Table for EUT Supports Function

Function	Support Type	Remark
AP Router	Master	Support 2.4GHz/5GHz/6GHz
Bridge	Slave without radar detection	Support 2.4GHz/5GHz
Repeater	Master	Support 2.4GHz/5GHz
Mesh	Master	Support 2.4GHz/5GHz/6GHz

Note: From the above, AP Router (Master) has been selected to test AC power-line conducted emissions and Emissions in Restricted Frequency Bands below 1GHz.

The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Brian Sun	19.2~20.2 / 63~65	Nov. 15, 2021~ Jan. 27, 2022
Radiated <1GHz	03CH06-CB	Stim Sung	22.7-23.8 / 55-58	Nov. 15, 2021~ Jan. 27, 2022
Radiated >1GHz	03CH06-CB	Stim Sung	22.7-23.8 / 55-58	Nov. 15, 2021~ Jan. 27, 2022
	03CH02-CB	Stim Sung	24.2-26.1 / 55-58	Nov. 15, 2021~ Jan. 27, 2022
Radiated Co-location	03CH05-CB	Stim Sung	23.5-24.6 / 55-59	Nov. 15, 2021~ Jan. 27, 2022
AC Conduction	CO01-CB	Peter Wu	20~21 / 58~60	Jan. 05, 2022



1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For UNII 1 and UNII 2A:

Mode
802.11a_Nss1,(6Mbps)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
802.11ax HEW20-BF_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
802.11ax HEW40-BF_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5270MHz
5310MHz
802.11ax HEW80-BF_Nss1,(MCS0)_4TX
5210MHz
5290MHz
802.11ax HEW160-BF_Nss1,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz

**For UNII 2C and UNII 3:**

Mode
802.11a_Nss1,(6Mbps)_4TX
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW20-BF_Nss1,(MCS0)_4TX
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW40-BF_Nss1,(MCS0)_4TX
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11ax HEW80-BF_Nss1,(MCS0)_4TX
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11ax HEW160-BF_Nss1,(MCS0)_4TX
5570MHz

Note1: There are two modes of EUT for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz. One is beamforming mode, and the other is non-beamforming mode, after evaluating, beamforming mode has been evaluated to be the worst case, so it was selected to test and record in this test report.

Note2: Evaluated HEW20/HEW40/HEW80/HEW160 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160 mode are the same or lower than HEW20/HEW40/HEW80/HEW160.



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT 1 + Adapter 1
2	EUT 1 + Adapter 3
3	EUT 1 + Adapter 4
For operating mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Output Power Power Spectral Density
Test Condition	Conducted measurement at transmit chains
Test Mode	1 EUT 1



The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
	1. The EUT was performed at X axis, Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Z axis for WLAN 2.4GHz, UNII 1 and UNII 2A, WLAN 6GHz and at X axis for UNII 2C and UNII 3. So the measurement will follow this same test configuration.
	2. The EUT has two types for setting the antenna. One is antenna in horizontal and the other is antenna in vertical, and the worst case was found at antenna in horizontal for 2.4GHz and antenna in vertical for 5GHz and 6GHz from Radiated emission above 1GHz test. So the measurement will follow this same test configuration.
	1 EUT 1 in Z axis + antenna in horizontal + Adapter 1 + WLAN 2.4GHz
	2 EUT 1 in Z axis + antenna in horizontal + Adapter 3 + WLAN 2.4GHz
	3 EUT 1 in Z axis + antenna in horizontal + Adapter 4 + WLAN 2.4GHz
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 ~ 6 will follow this same test mode.	
4	EUT 1 in Z axis + antenna in vertical + Adapter 1 + UNII 1 and UNII 2A
5	EUT 1 in X axis + antenna in vertical + Adapter 1 + UNII 2C and UNII 3
6	EUT 1 in Z axis + antenna in vertical + Adapter 1 + WLAN 6GHz
Mode 1 has been evaluated to be the worst case among Mode 1~6, thus measurement for Mode 7 ~ 8 will follow this same test mode.	
7	EUT 2 in Z axis + antenna in horizontal + Adapter 1 + WLAN 2.4GHz
8	EUT 3 in Z axis + antenna in horizontal + Adapter 1 + WLAN 2.4GHz
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	1. The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Z axis for UNII 1 and UNII 2A and at X axis for UNII 2C and UNII 3. So the measurement will follow this same test configuration.
	2. The EUT has two types for setting the antenna. One is antenna in horizontal and the other is antenna in vertical, and the worst case was found at antenna in vertical. So the measurement will follow this same test configuration.
	1 EUT 1 in Z axis + antenna in vertical for UNII 1 and UNII 2A
	2 EUT 1 in X axis + antenna in vertical for UNII 2C and UNII 3
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT 2 in X axis + antenna in vertical for UNII 2C and UNII 3



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	1. The EUT was performed at X axis, Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Z axis. So the measurement will follow this same test configuration. 2. The EUT has two types for setting the antenna. One is antenna in horizontal and the other is antenna in vertical, and the worst case was found at antenna in vertical from Radiated emission above 1GHz test. So the measurement will follow this same test configuration.
1	EUT 1 in Z axis + antenna in vertical + WLAN 2.4GHz + WLAN 5GHz (UNII 1/ UNII 2A)
Refer to Appendix G 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	EUT 1 + WLAN 2.4GHz + WLAN 5GHz (UNII 2C/ UNII 3) + WLAN 6GHz
2	EUT 1 + WLAN 5GHz (UNII 1/ UNII 2A) + WLAN 5GHz (UNII 2C/ UNII 3) + WLAN 6GHz
Refer to Sporton Test Report No.: FA1N0529 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:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

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

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS[10.0.19043.1320]、LanTest20(version 2.0.0.2).
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Router and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
Equipment Name	Brand Name	Model Name	Rating	Remark
Adapter 1	AcBel	ADD011	INPUT: 100-240V~ 1.7A, 50-60Hz OUTPUT: +19.5V, 3.33A, 65.0W MAX.	With the DC cable: Non-shielded, 1.5m
Adapter 2	AcBel	ADD011	INPUT: 100-240V~ 1.7A, 50-60Hz OUTPUT: +19.5V, 3.33A, 65.0W MAX.	With the DC cable: Non-shielded, 1.5m
Adapter 3	DELTA	ADP-65GD	INPUT: AC100-240V ~ 50-60Hz, 1.5A OUTPUT: +19V, 3.42A.	With the DC cable: Non-shielded, 1.8m
Adapter 4	DELTA	ADP-65DE B	INPUT: 100-240V~1.5A, 50-60Hz OUTPUT: 19.0V, 3.42A, 65.0W	With the DC cable: Non-shielded, 1.5m
Adapter 5	DELTA	ADP-65DE B	INPUT: 100-240V ~ 1.5A, 50-60Hz OUTPUT: 19.0V, 3.42A, 65.0W	With the DC cable: Non-shielded, 1.5m
Others				
RJ-45 cable*1: Non-shielded, 1.5m				
Power cord*1: Non-shielded, 0.9m				

Note: Refer to photographs of EUT for the detail information of difference between Adapter 1 & Adapter 2 and Adapter 4 & Adapter 5.



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	10G LAN PC	DELL	T3400	N/A
B	2.5G WAN PC	DELL	T3400	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G Low Band NB	DELL	E6430	N/A
E	Flash disk2.0	ADATA	C103	N/A
F	Flash disk3.0	Transcend	JetFlash-700	N/A
G	5G High Band NB	DELL	E6430	N/A
H	1G LAN NB	DELL	E6430	N/A
I	6G NB	DELL	E6430	N/A
J	6G Client	INTEL	AX210	N/A
K	1G LAN4 NB	DELL	E6430	N/A

For Radiated (below 1GHz) and Radiated (above 1GHz / Non-beamforming mode):

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

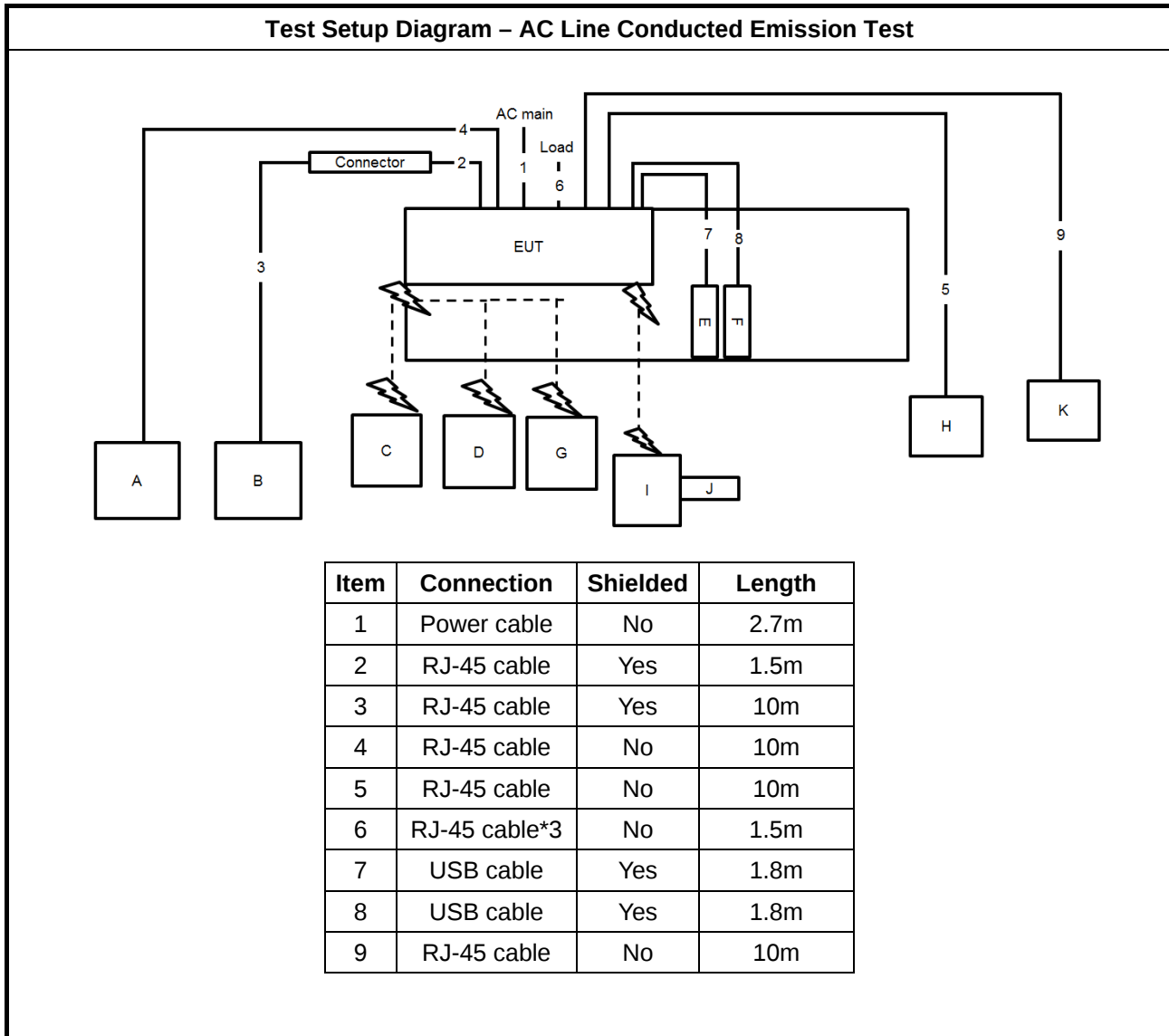
For Radiated (above 1GHz / Beamforming mode):

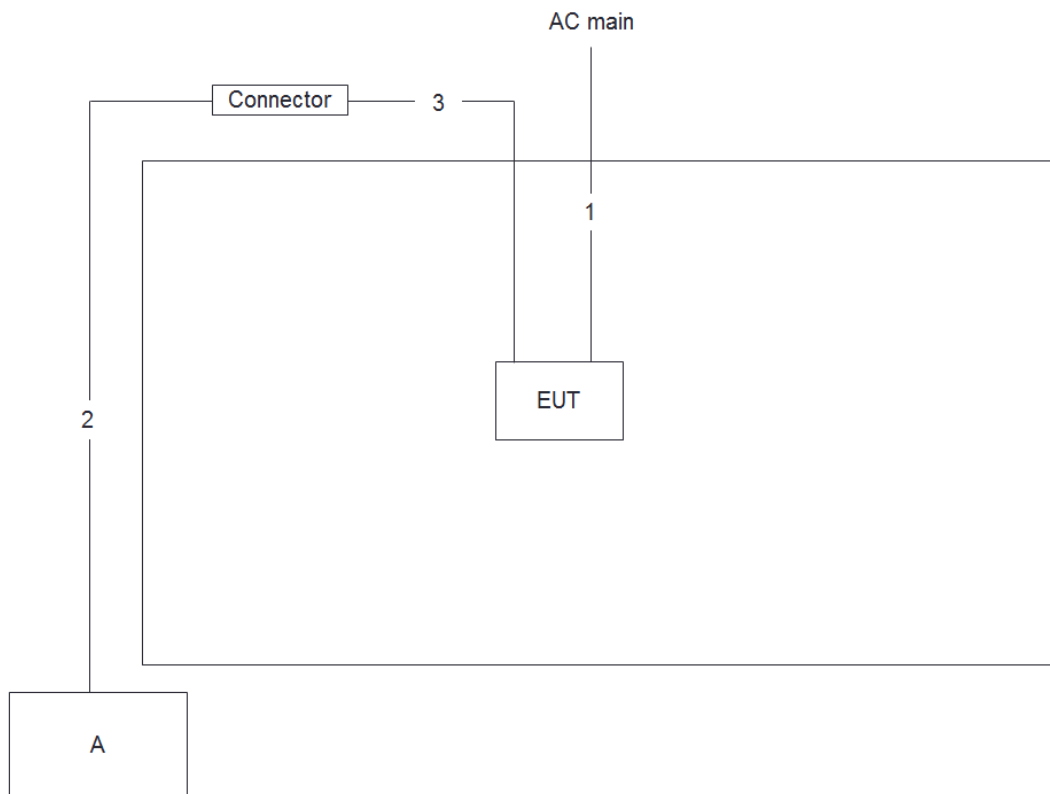
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	Router	ASUS	GT-AXE16000	MSQ-RTAX5D00

For RF Conducted:

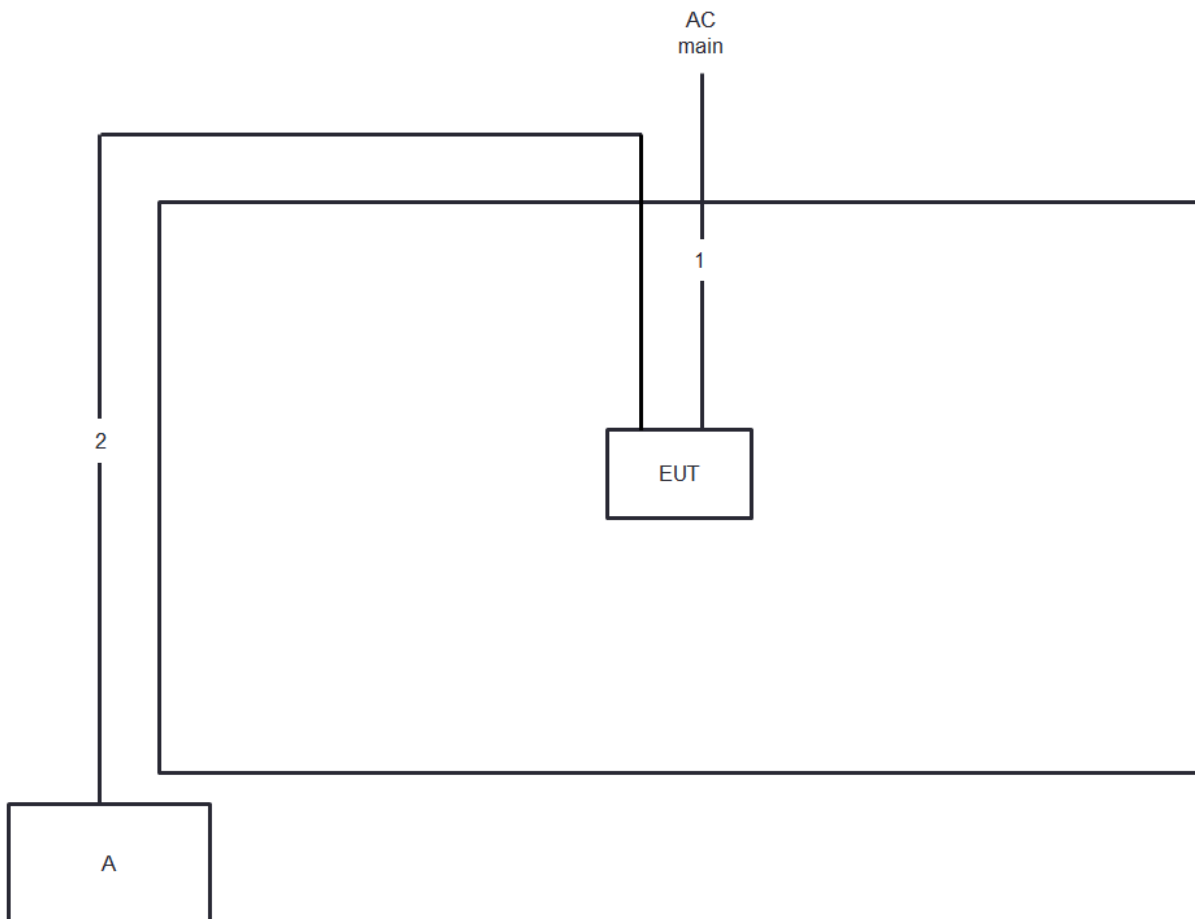
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram

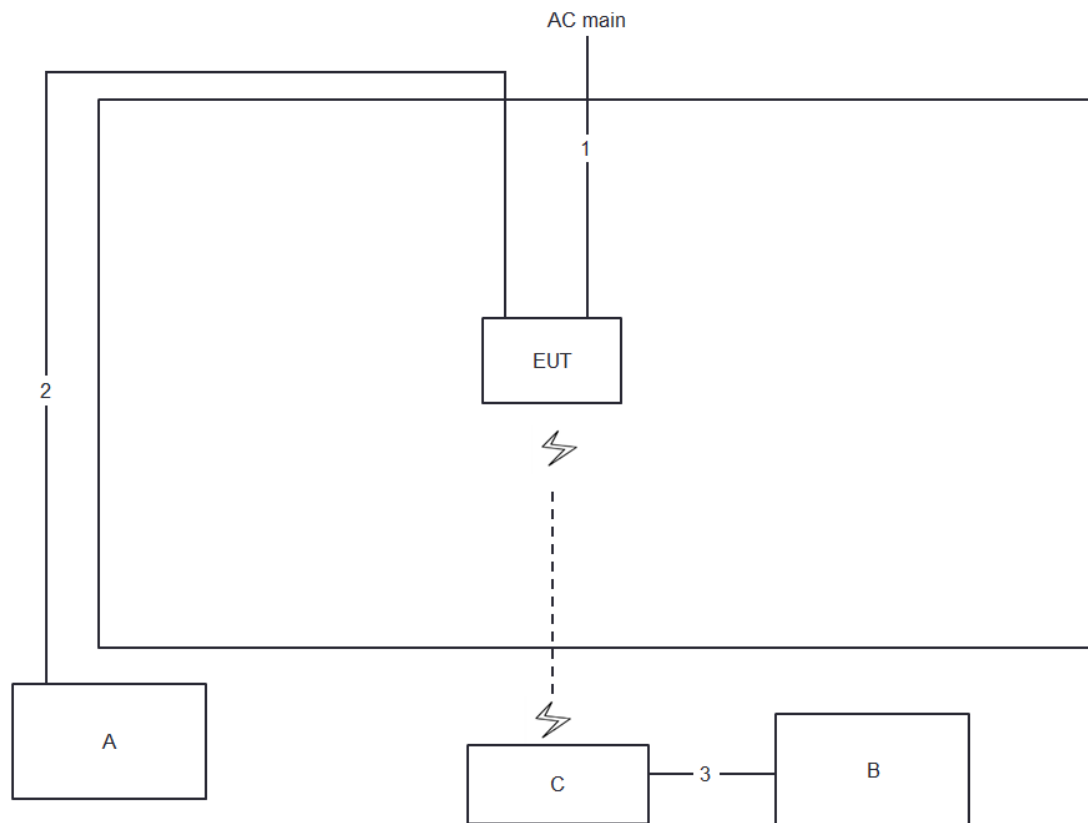


Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	2.4m
2	RJ-45 cable	Yes	10m
3	RJ-45 cable	Yes	1.5m

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


Item	Connection	Shielded	Length
1	Power cable	No	2.4m
2	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz / beamforming mode


Item	Connection	Shielded	Length
1	Power cable	No	2.4m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

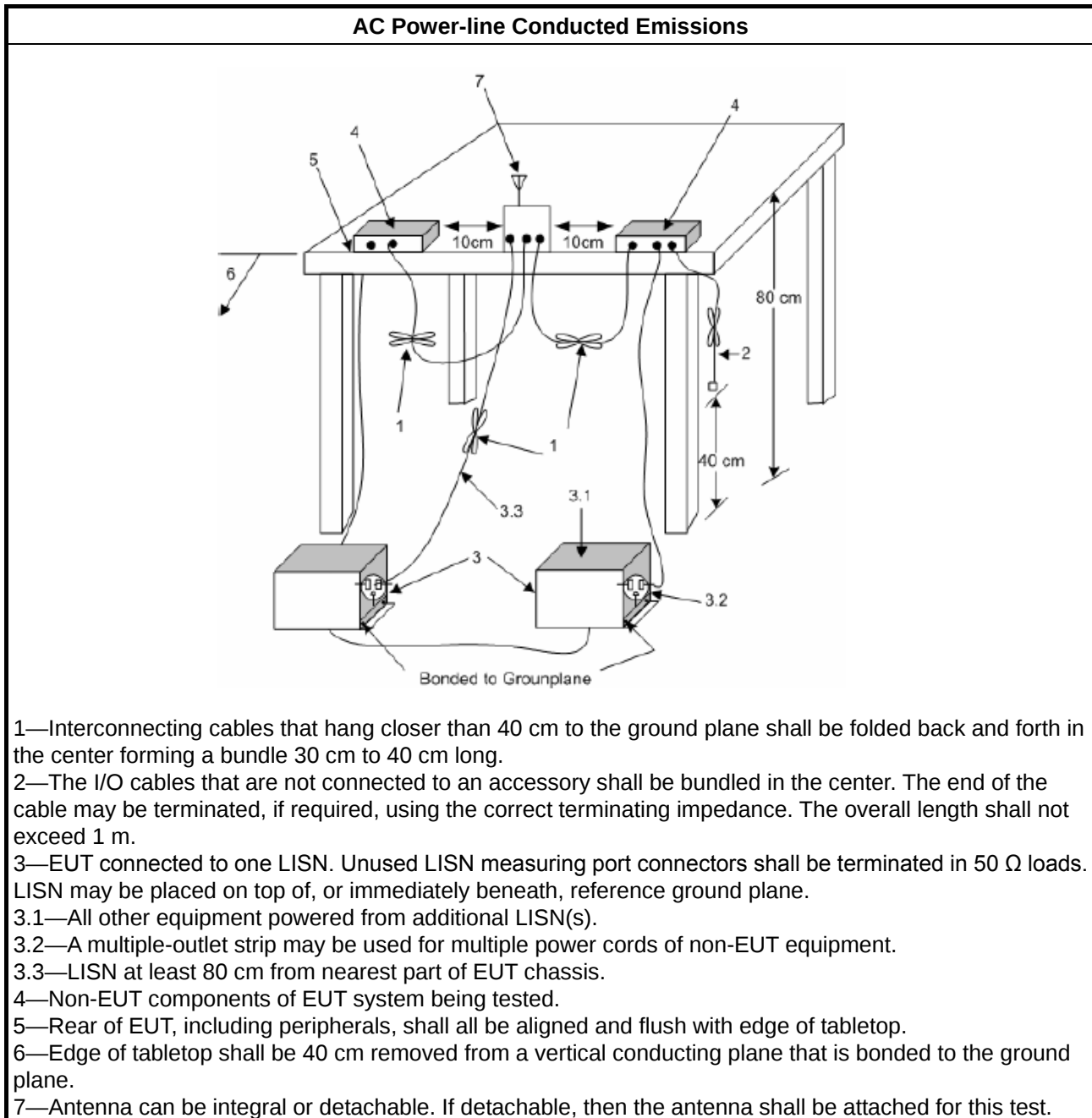
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

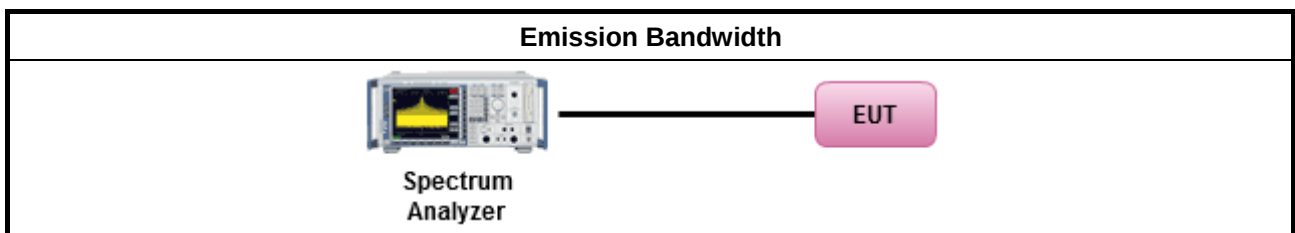
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup





3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Output Power

3.3.1 Limit

Maximum Output Power Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	- Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] - Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ - Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. - Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
Maximum EIRP Limit	
☐ For the 5.85-5.895 GHz band:	
	- Indoor AP & subordinate device < 36 dBm - Client device < 30 dBm
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	
☐ For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
☐ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the



lesser of 1 W.

P_{Out} = maximum conducted output power in dBm,

G_{TX} = the maximum transmitting antenna directional gain in dBi.

3.3.2 Measuring Instruments

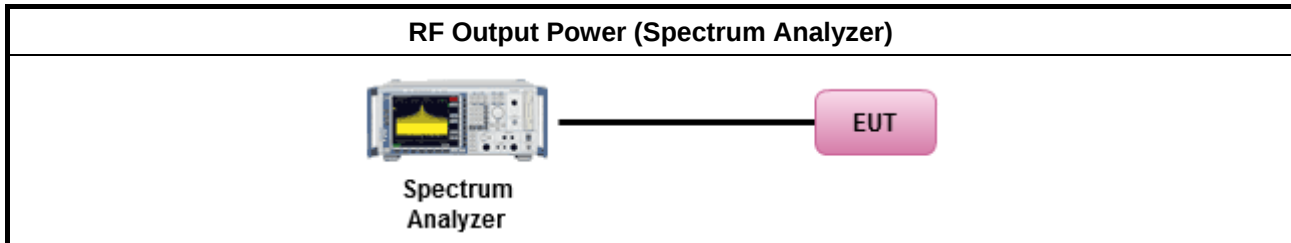
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

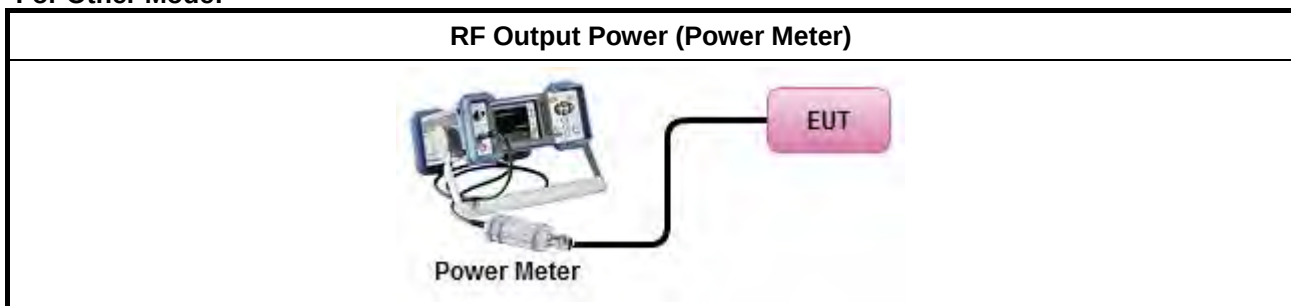
Test Method	
	Average over on/off periods with duty factor
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty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

3.3.4 Test Setup

For Straddle channel Mode:



For Other Mode:



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

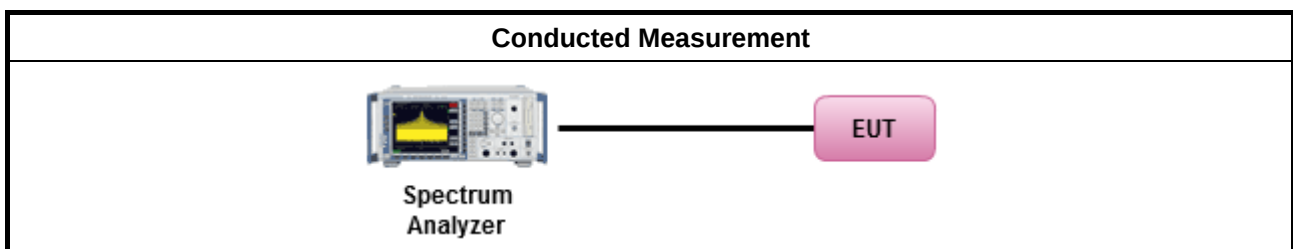
Refer a test equipment and calibration data table in this test report.

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

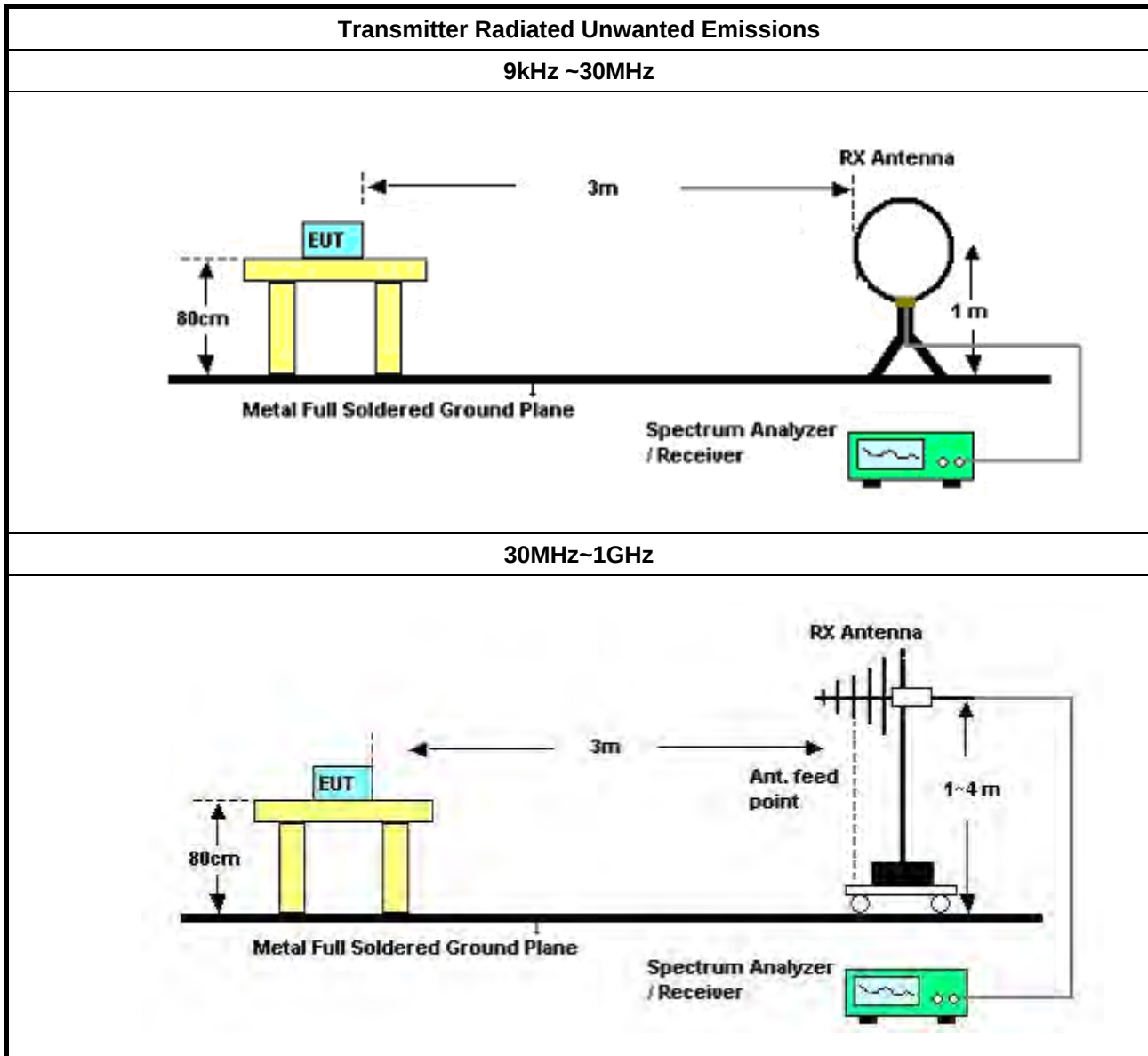
Refer a test equipment and calibration data table in this test report.

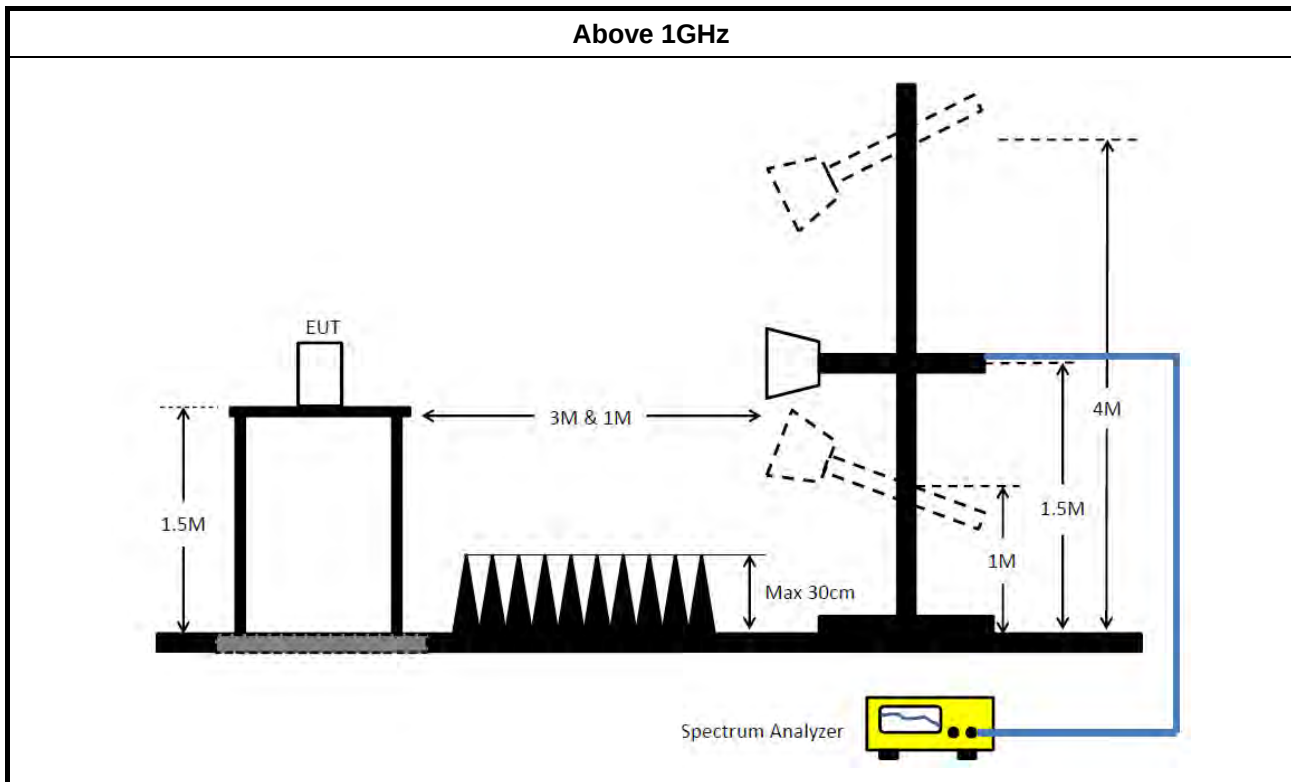


3.5.3 Test Procedures

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	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 22, 2021	Dec. 21, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 30, 2021	Jan. 29, 2022	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 07, 2021	Nov. 06, 2022	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Oct. 14, 2021	Oct. 13, 2022	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Nov. 10, 2020	Nov. 09, 2021	Radiation (03CH05-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 01, 2021	Sep. 30, 2022	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 31, 2021	Jul. 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	310N	187290	0.1MHz ~ 1GHz	Nov. 04, 2021	Nov. 03, 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)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 24, 2021	Dec. 23, 2022	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-05+24	30MHz~1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 31, 2020	Dec. 30, 2021	Conducted (TH03-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 15, 2021	Apr. 14, 2022	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR means Non-Calibration required.



Conducted Emissions at Powerline

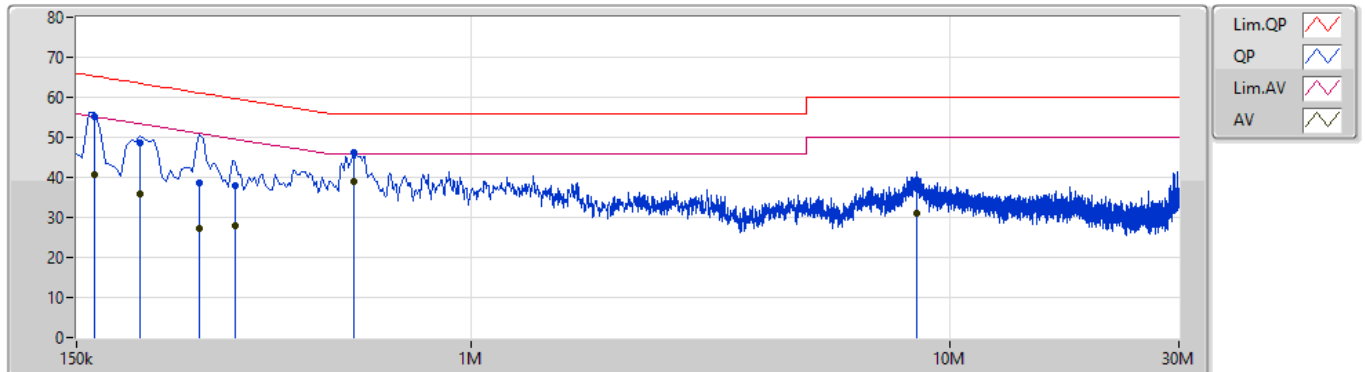
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	568.5k	38.95	46.00	-7.05	Line

Mode 2

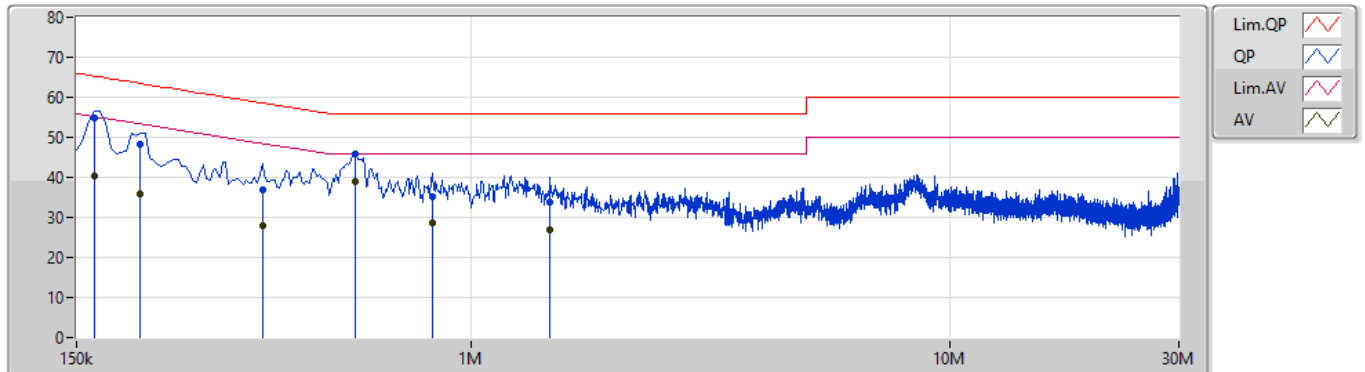
05/01/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	163.5k	55.07	65.27	-10.20	9.89	Line	-	45.18	0.04	0.04	9.81			
AV	163.5k	40.74	55.27	-14.53	9.89	Line	-	30.85	0.04	0.04	9.81			
QP	204k	48.65	63.44	-14.79	9.89	Line	-	38.76	0.04	0.04	9.81			
AV	204k	35.85	53.44	-17.59	9.89	Line	-	25.96	0.04	0.04	9.81			
QP	271.5k	38.58	61.07	-22.49	9.89	Line	-	28.69	0.04	0.04	9.81			
AV	271.5k	27.09	51.07	-23.98	9.89	Line	-	17.20	0.04	0.04	9.81			
QP	321k	37.85	59.67	-21.82	9.90	Line	-	27.95	0.04	0.04	9.82			
AV	321k	27.80	49.67	-21.87	9.90	Line	-	17.90	0.04	0.04	9.82			
QP	568.5k	46.04	56.00	-9.96	9.91	Line	-	36.13	0.05	0.04	9.82			
AV	568.5k	38.95	46.00	-7.05	9.91	Line	"Worst"	29.04	0.05	0.04	9.82			
QP	8.525M	37.32	60.00	-22.68	10.24	Line	-	27.08	0.20	0.15	9.89			
AV	8.525M	31.01	50.00	-18.99	10.24	Line	-	20.77	0.20	0.15	9.89			

Mode 2

05/01/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	163.5k	54.67	65.27	-10.60	9.88	Neutral	-	44.79	0.03	0.04	9.81			
AV	163.5k	40.33	55.27	-14.94	9.88	Neutral	-	30.45	0.03	0.04	9.81			
QP	204k	48.34	63.44	-15.10	9.88	Neutral	-	38.46	0.03	0.04	9.81			
AV	204k	35.85	53.44	-17.59	9.88	Neutral	-	25.97	0.03	0.04	9.81			
QP	366k	36.88	58.60	-21.72	9.89	Neutral	-	26.99	0.03	0.04	9.82			
AV	366k	27.86	48.60	-20.74	9.89	Neutral	-	17.97	0.03	0.04	9.82			
QP	573k	45.69	56.00	-10.31	9.90	Neutral	-	35.79	0.04	0.04	9.82			
AV	573k	38.94	46.00	-7.06	9.90	Neutral	"Worst"	29.04	0.04	0.04	9.82			
QP	829.5k	35.31	56.00	-20.69	9.92	Neutral	-	25.39	0.05	0.04	9.83			
AV	829.5k	28.72	46.00	-17.28	9.92	Neutral	-	18.80	0.05	0.04	9.83			
QP	1.46M	33.71	56.00	-22.29	9.94	Neutral	-	23.77	0.06	0.06	9.82			
AV	1.46M	26.76	46.00	-19.24	9.94	Neutral	-	16.82	0.06	0.06	9.82			

**For UNII 1 and UNII 2A:****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	36.6M	18.141M	18M1D1D	24.63M	17.331M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	25.11M	17.451M	17M5D1D	21.48M	16.912M

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

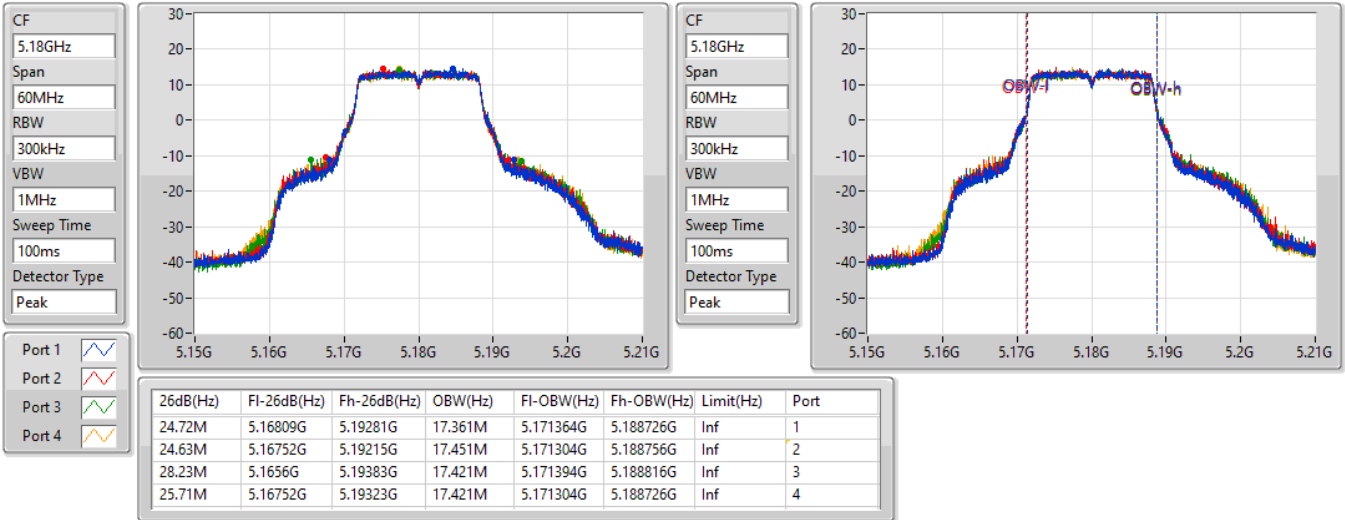
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	24.72M	17.361M	24.63M	17.451M	28.23M	17.421M	25.71M	17.421M
5200MHz	Pass	Inf	32.7M	17.631M	36.39M	17.781M	36.21M	17.901M	36.6M	18.141M
5240MHz	Pass	Inf	25.41M	17.331M	29.01M	17.421M	28.05M	17.331M	34.02M	17.421M
5260MHz	Pass	Inf	21.51M	17.121M	21.69M	17.061M	21.51M	16.972M	21.51M	16.912M
5300MHz	Pass	Inf	21.57M	17.121M	21.81M	17.091M	21.6M	16.972M	21.48M	16.942M
5320MHz	Pass	Inf	23.19M	17.451M	23.91M	17.421M	25.11M	17.301M	22.62M	17.271M

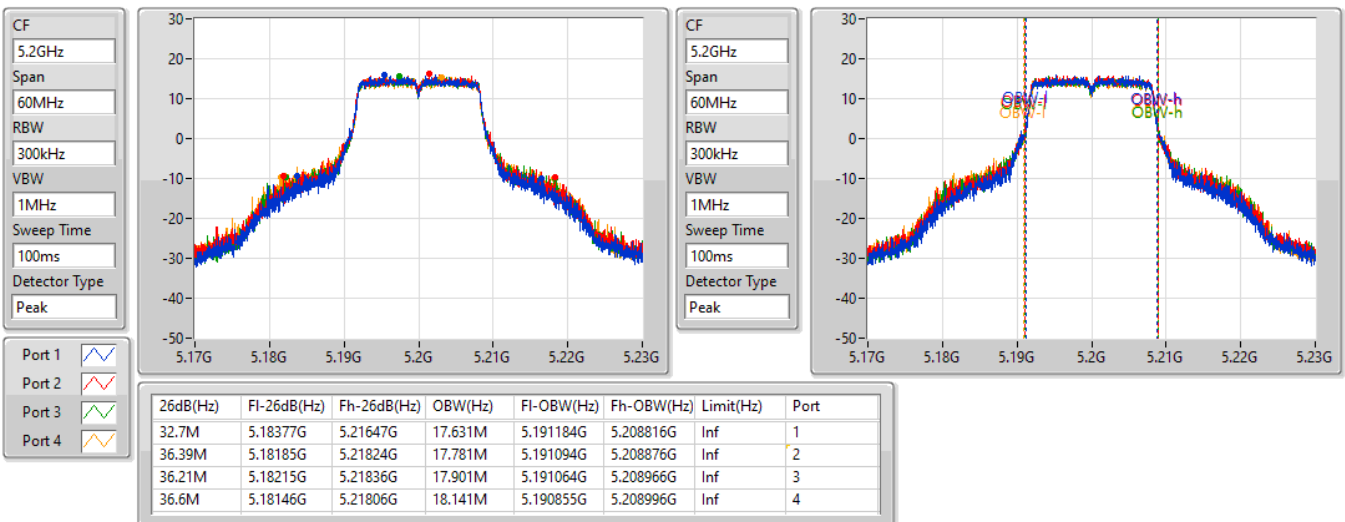
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX
EBW
5180MHz

29/12/2021

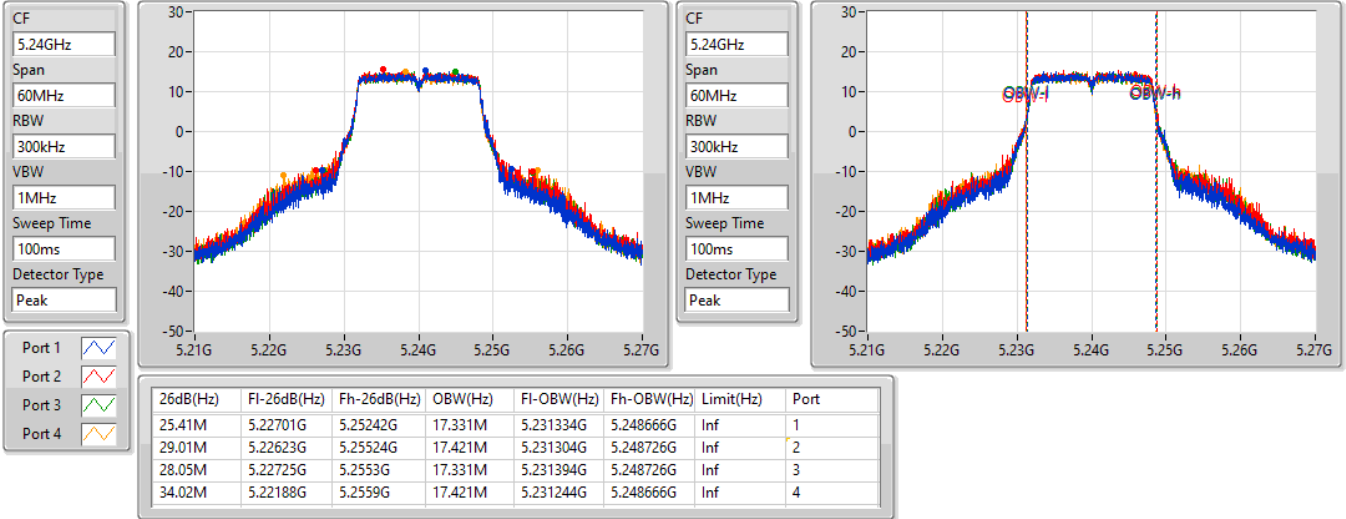

802.11a_Nss1,(6Mbps)_4TX
EBW
5200MHz

29/12/2021

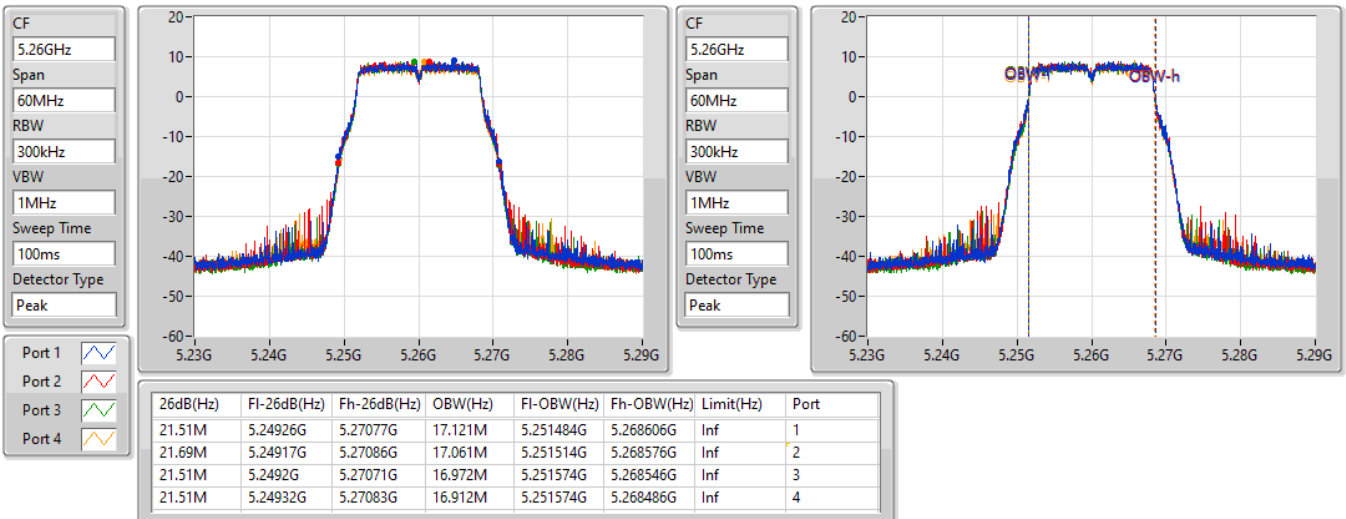


802.11a_Nss1,(6Mbps)_4TX
EBW
5240MHz

29/12/2021

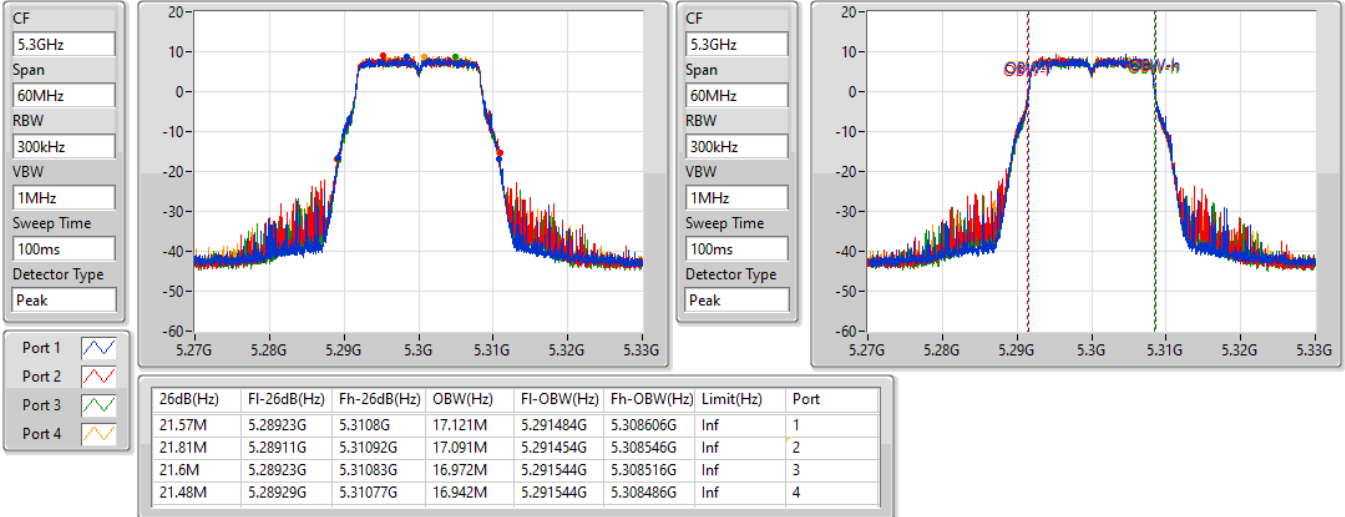

802.11a_Nss1,(6Mbps)_4TX
EBW
5260MHz

29/12/2021

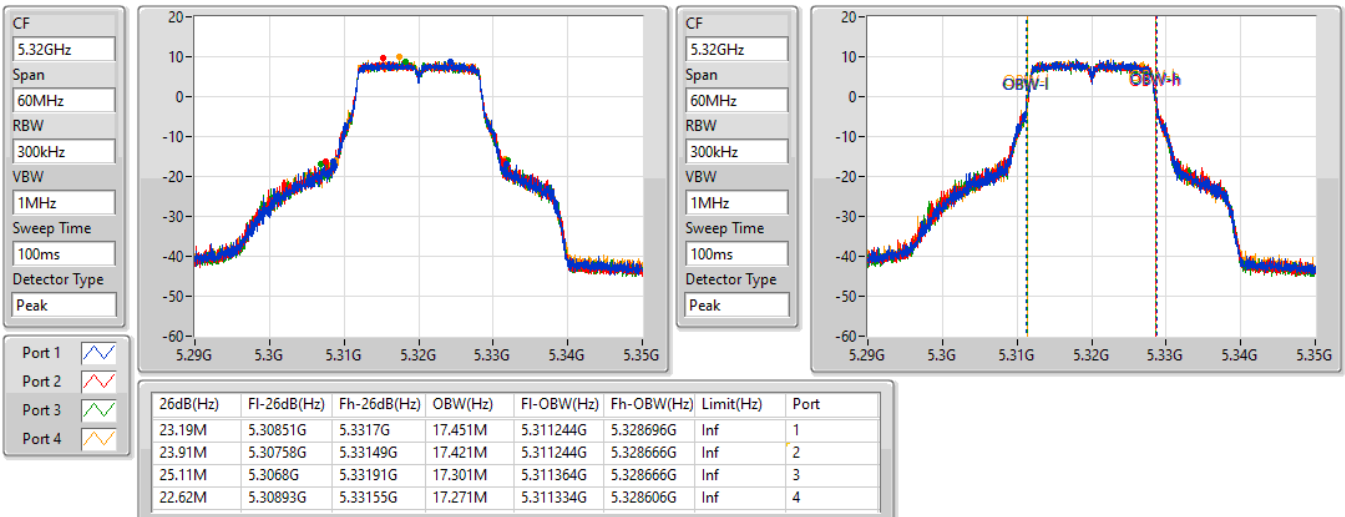


802.11a_Nss1,(6Mbps)_4TX
EBW
5300MHz

29/12/2021


802.11a_Nss1,(6Mbps)_4TX
EBW
5320MHz

29/12/2021



For UNII 1 and UNII 2A:

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	36.9M	19.37M	19M4D1D	25.95M	19.25M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	63.42M	38.561M	38M6D1D	43.08M	38.081M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	87M	77.961M	78M0D1D	85.68M	77.841M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	83.12M	78.521M	78M5D1D	82.32M	78.281M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.58M	19.28M	19M3D1D	21.48M	19.1M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	49.26M	38.141M	38M1D1D	40.38M	37.901M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	87.48M	77.961M	78M0D1D	84M	77.721M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	83.04M	78.441M	78M4D1D	82.48M	78.201M

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

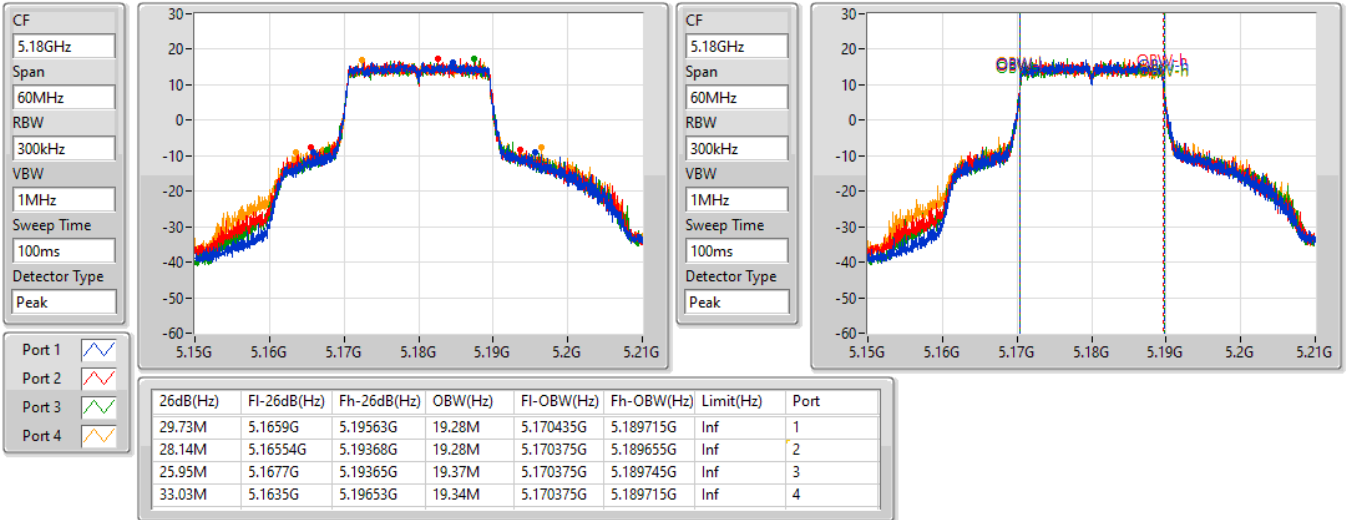
Result

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	29.73M	19.28M	28.14M	19.28M	25.95M	19.37M	33.03M	19.34M
5200MHz	Pass	Inf	32.73M	19.25M	30.54M	19.28M	33.57M	19.34M	34.65M	19.34M
5240MHz	Pass	Inf	26.7M	19.28M	28.56M	19.28M	29.85M	19.25M	36.9M	19.34M
5260MHz	Pass	Inf	21.84M	19.13M	21.48M	19.1M	21.75M	19.1M	21.75M	19.1M
5300MHz	Pass	Inf	21.93M	19.16M	21.84M	19.1M	21.57M	19.1M	21.69M	19.13M
5320MHz	Pass	Inf	25.83M	19.22M	24.63M	19.22M	27.51M	19.28M	29.58M	19.22M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	43.08M	38.081M	45.36M	38.141M	47.52M	38.201M	48.06M	38.261M
5230MHz	Pass	Inf	51.48M	38.201M	51.3M	38.141M	55.32M	38.381M	63.42M	38.561M
5270MHz	Pass	Inf	40.62M	37.901M	40.38M	37.961M	40.74M	37.961M	40.56M	38.021M
5310MHz	Pass	Inf	49.26M	38.141M	42.6M	38.141M	43.02M	38.141M	43.32M	38.141M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	86.76M	77.841M	86.04M	77.961M	85.68M	77.841M	87M	77.961M
5290MHz	Pass	Inf	84.6M	77.961M	85.32M	77.721M	84M	77.841M	87.48M	77.961M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	82.72M	78.281M	82.64M	78.441M	82.32M	78.361M	83.12M	78.521M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	83.04M	78.281M	82.88M	78.441M	82.48M	78.361M	82.72M	78.201M

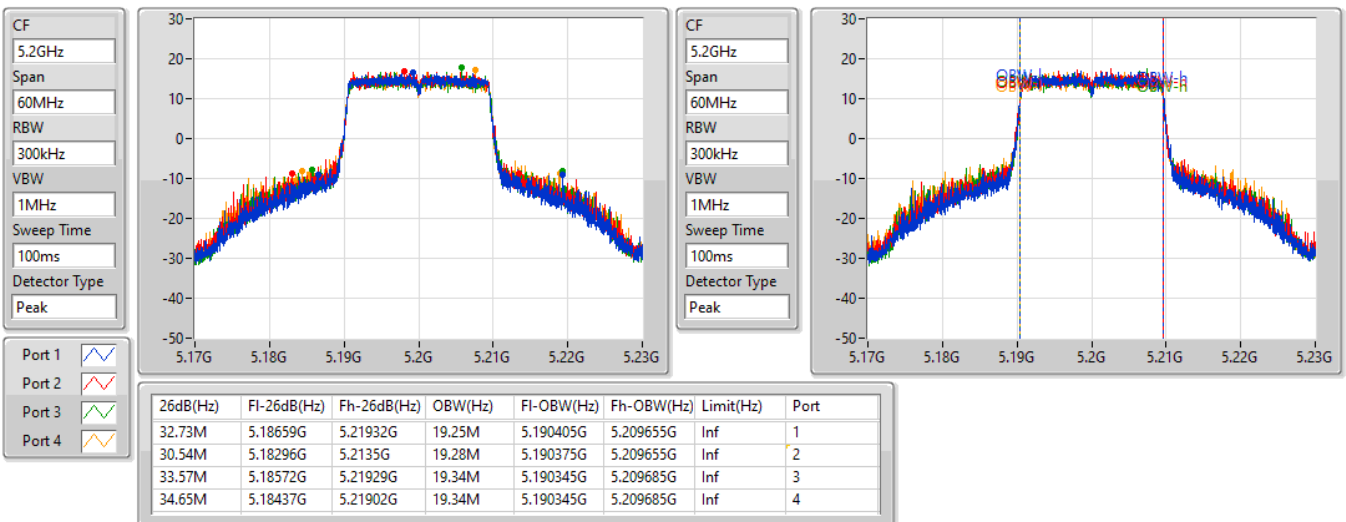
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

29/12/2021

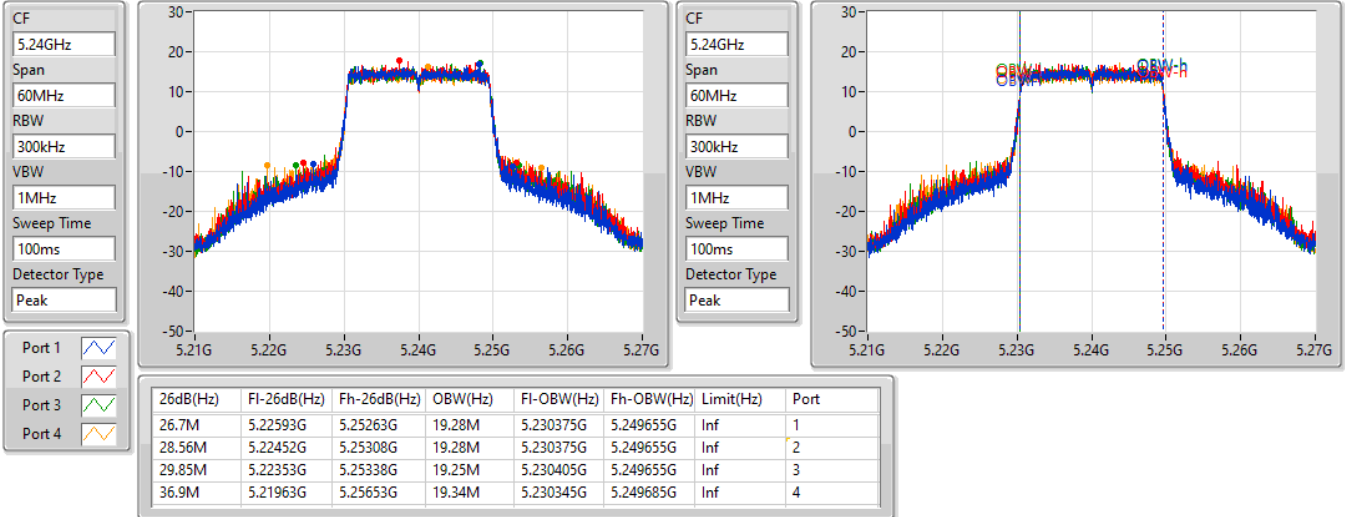

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5200MHz

29/12/2021

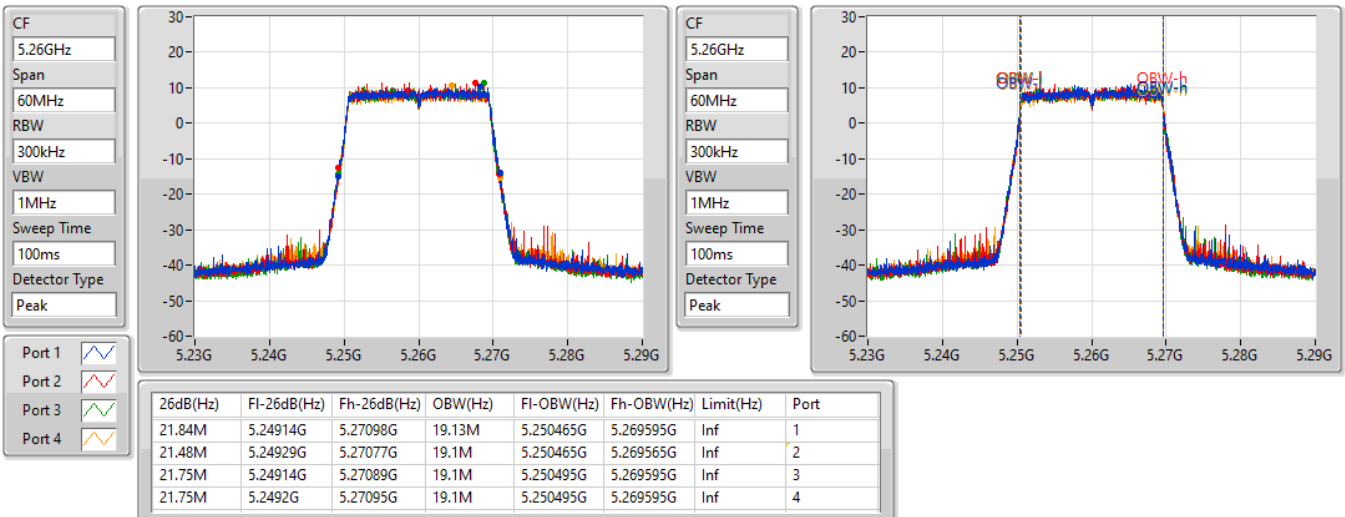


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5240MHz

29/12/2021

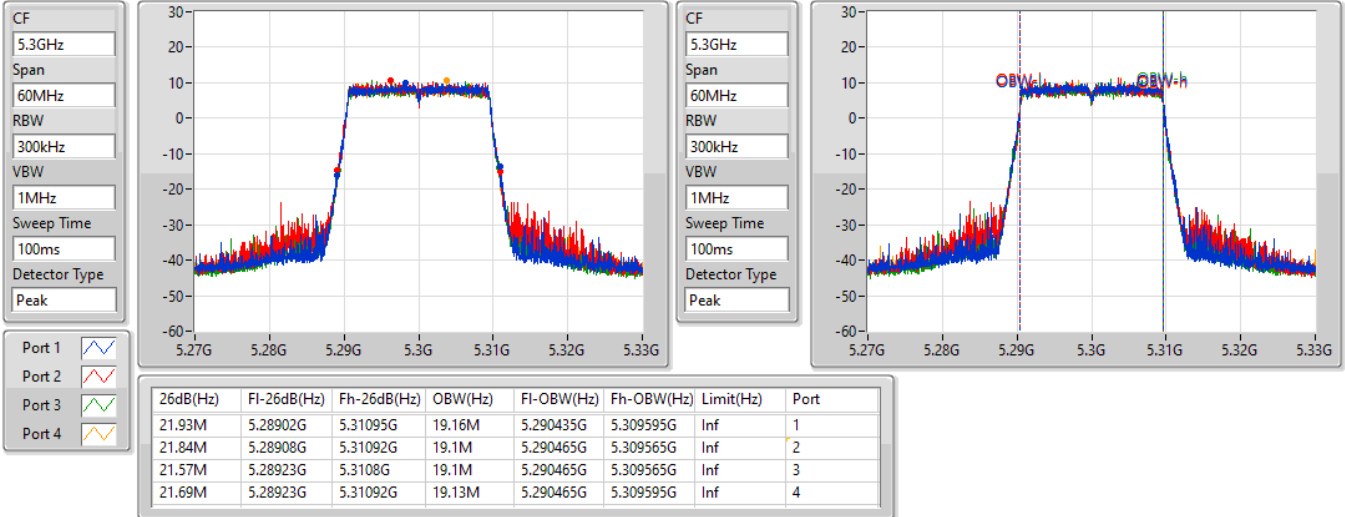

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5260MHz

30/12/2021

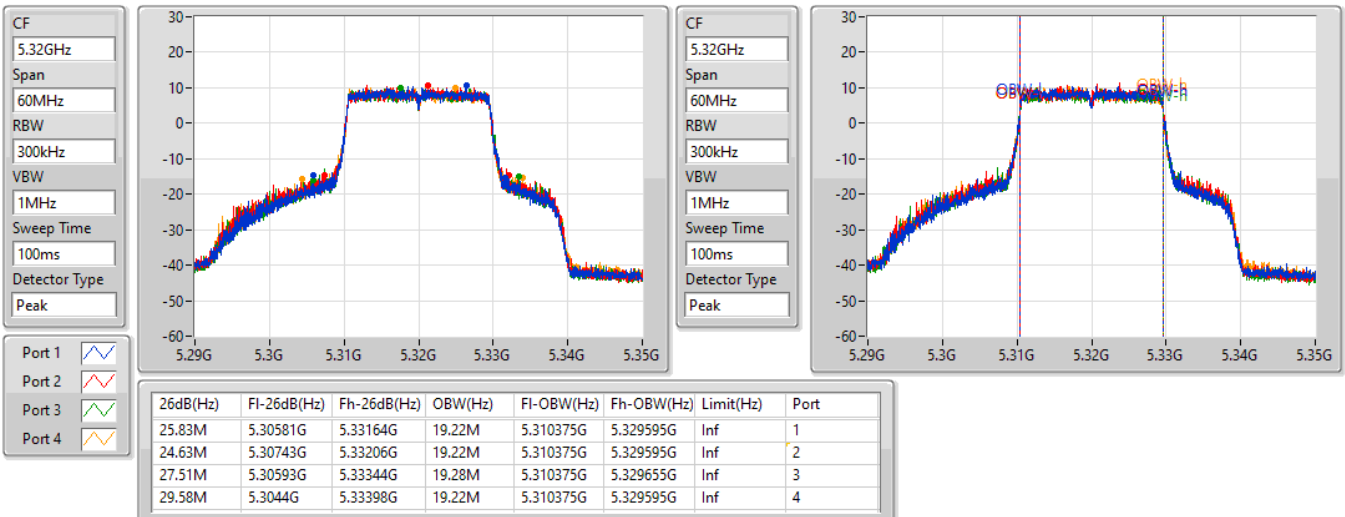


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5300MHz

30/12/2021

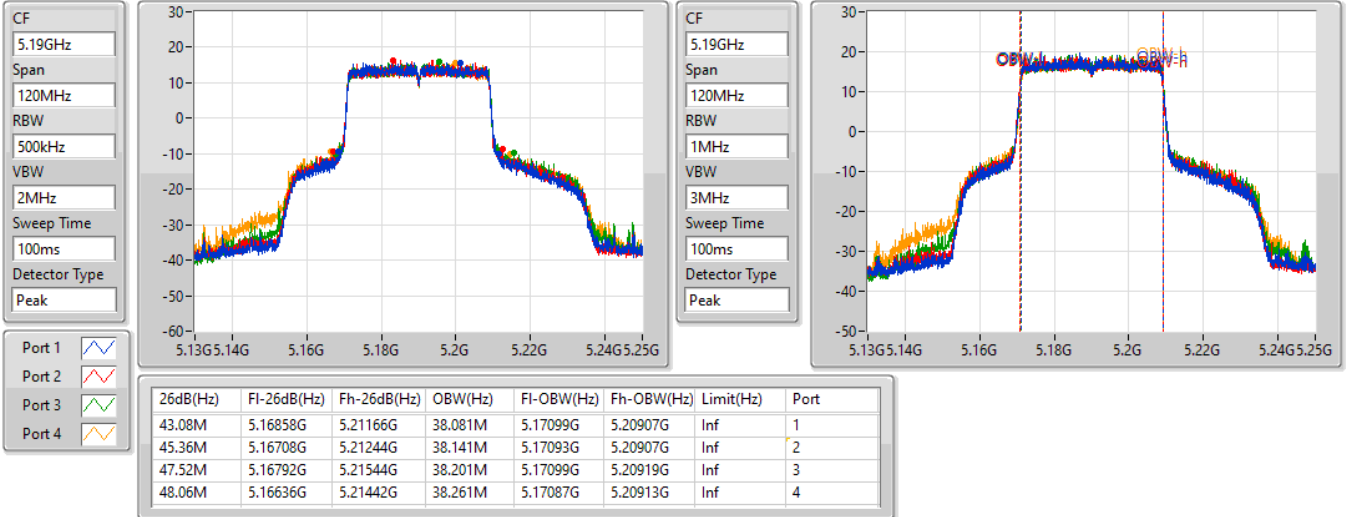

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5320MHz

30/12/2021

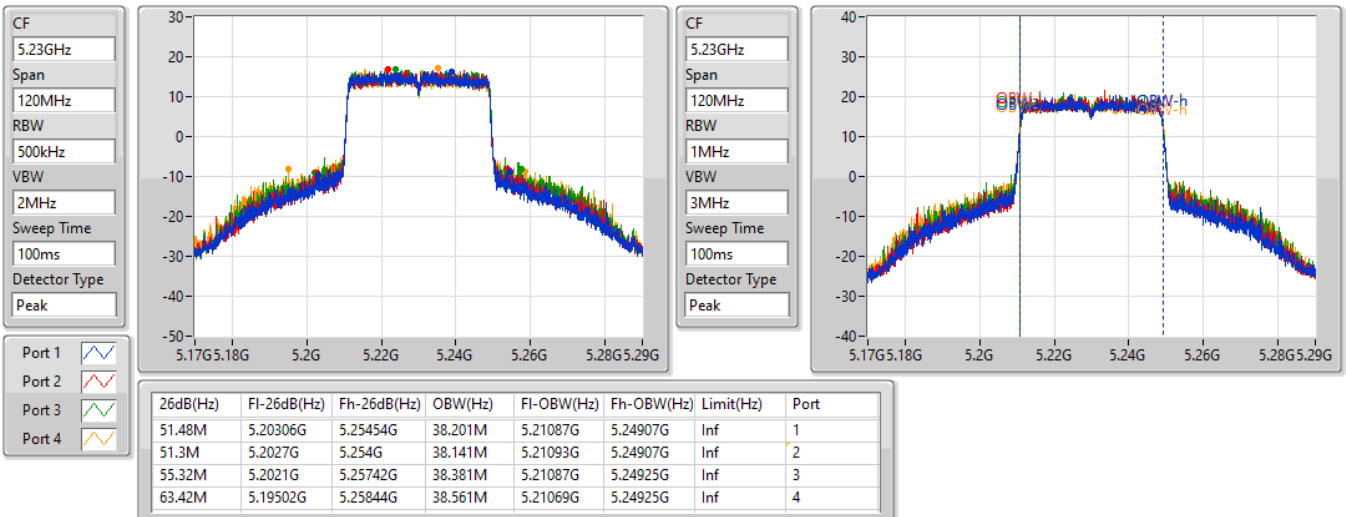


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5190MHz

30/12/2021

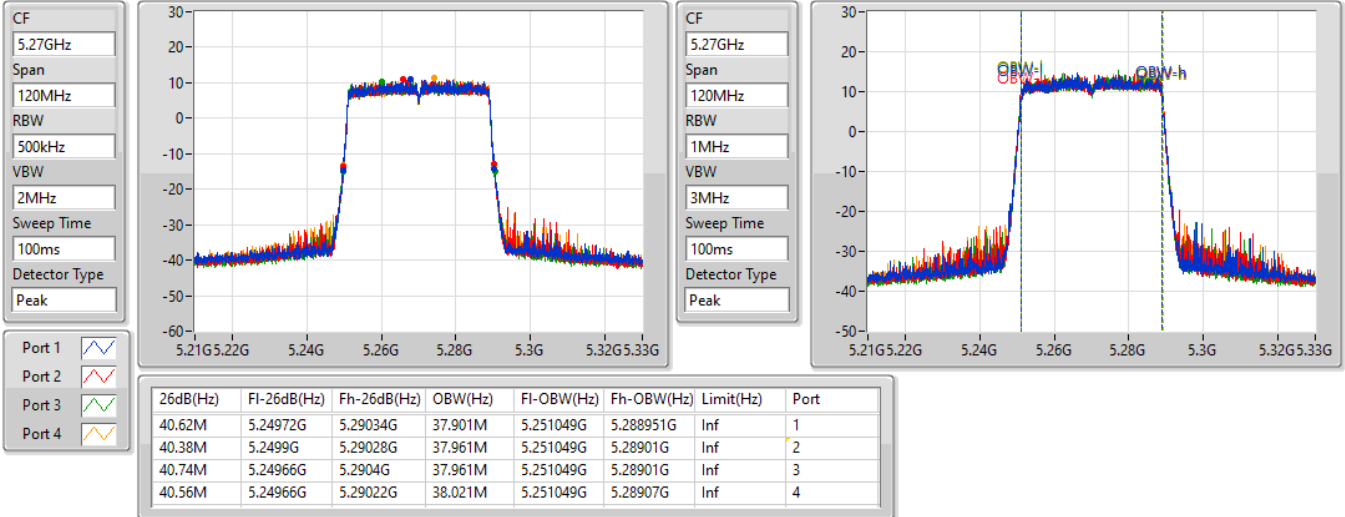

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5230MHz

30/12/2021

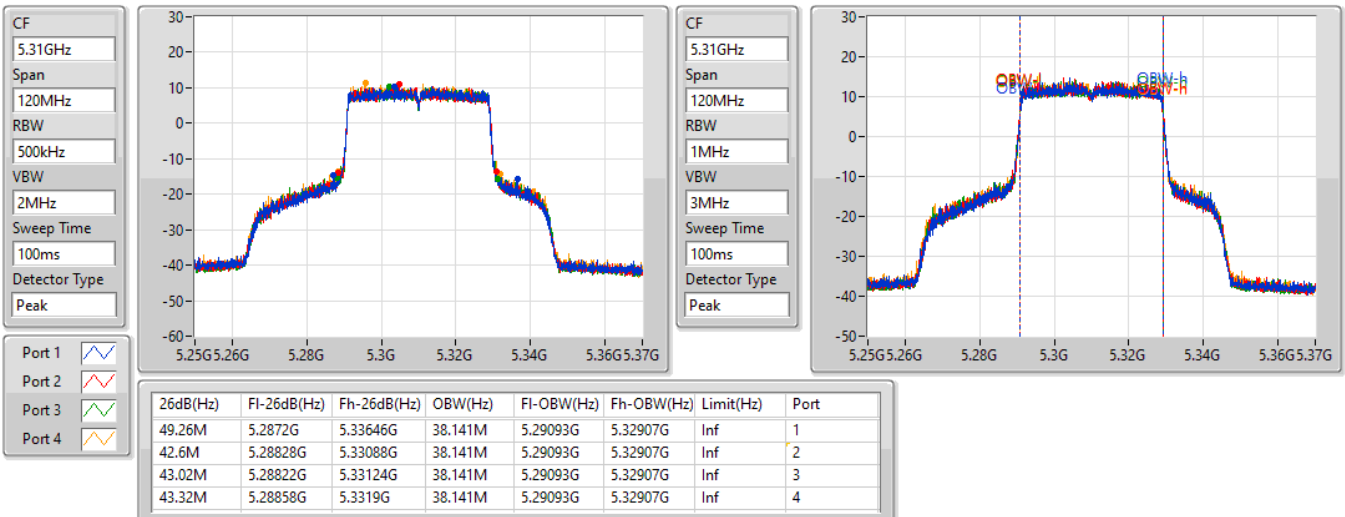


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5270MHz

30/12/2021

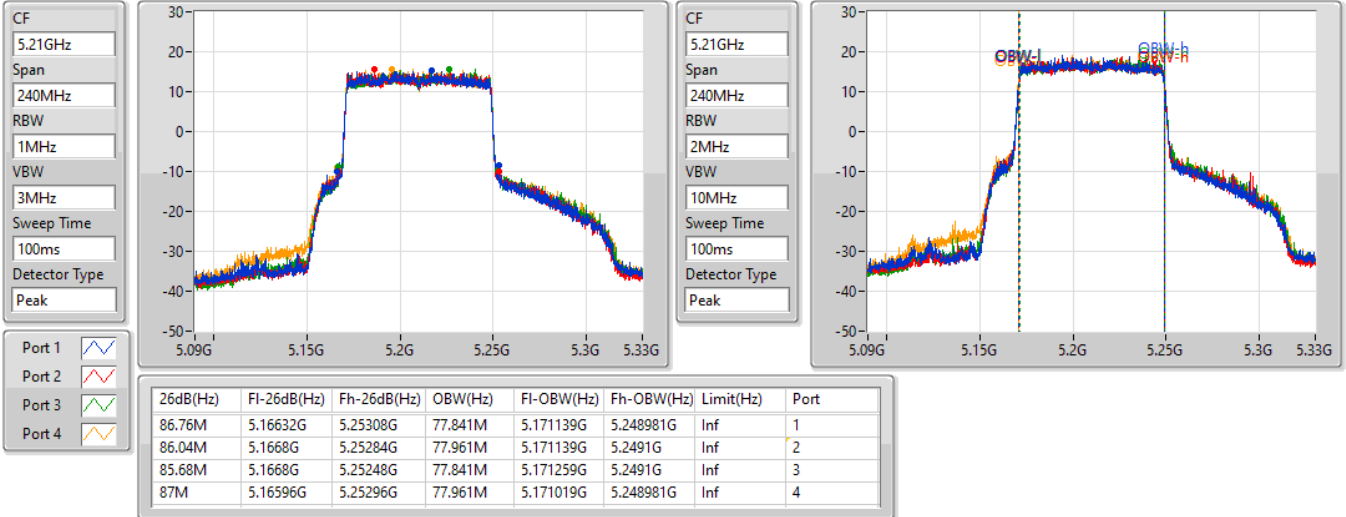

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5310MHz

30/12/2021

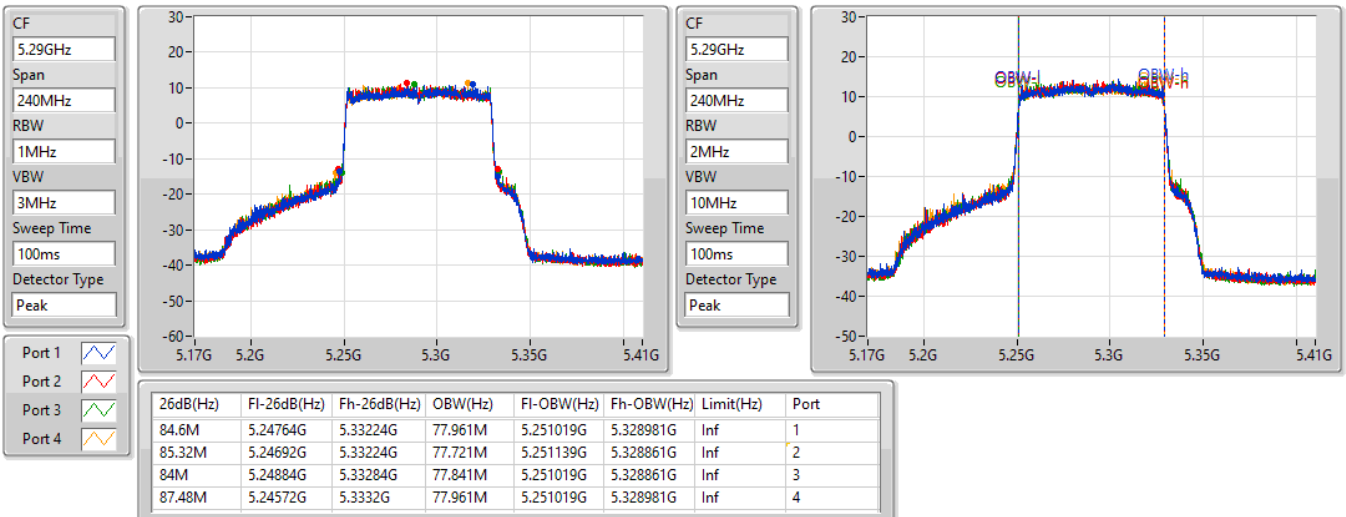


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5210MHz

30/12/2021

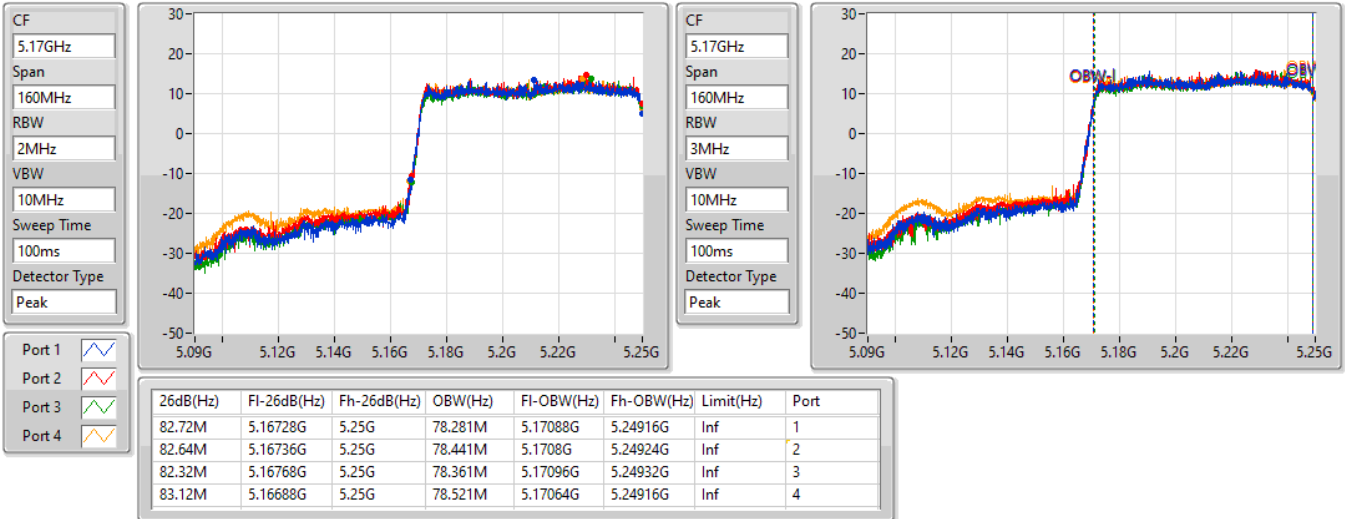

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5290MHz

30/12/2021

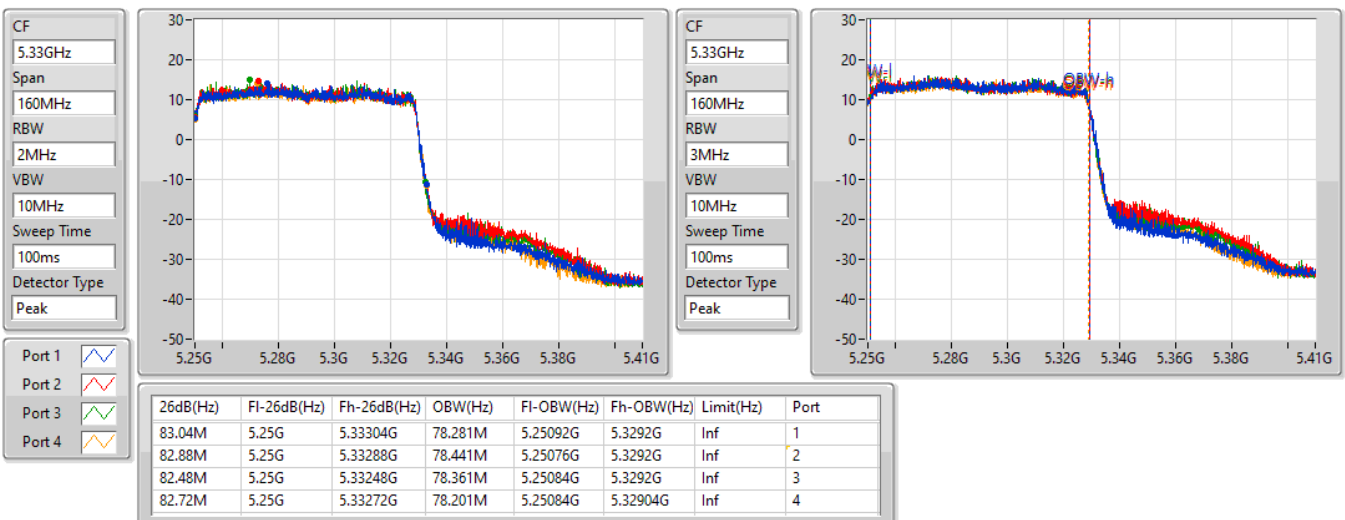


802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

30/12/2021


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

30/12/2021



For UNII 2C and UNII 3:

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	26.13M	17.451M	17M5D1D	15.555M	13.478M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.56M	18.111M	18M1D1D	3.2M	4.198M

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

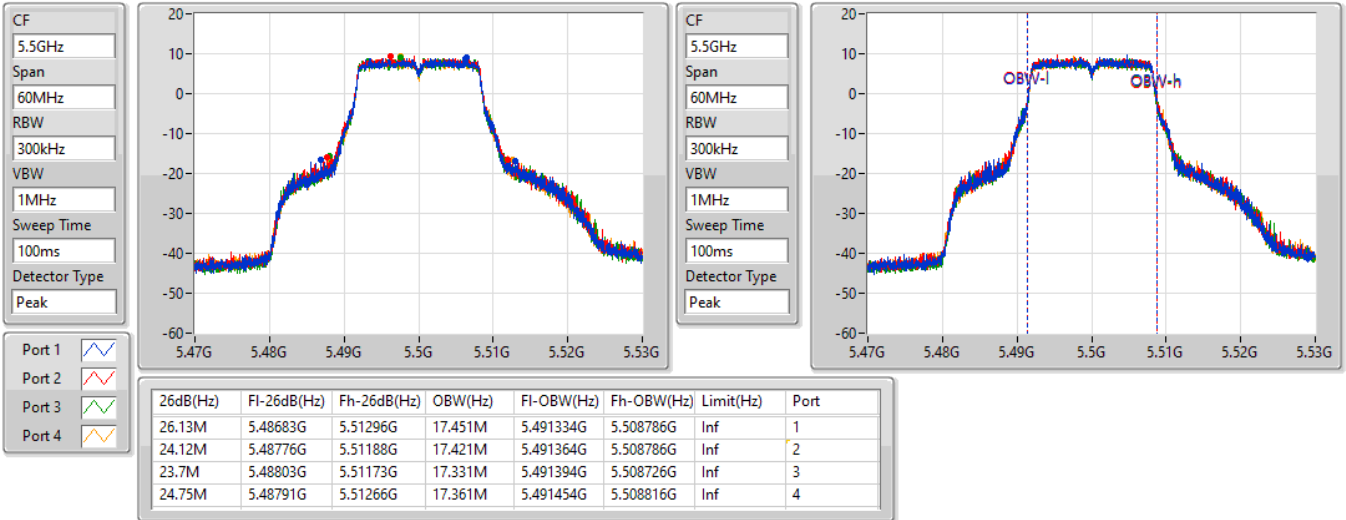
Result

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	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	26.13M	17.451M	24.12M	17.421M	23.7M	17.331M	24.75M	17.361M
5580MHz	Pass	Inf	21.69M	17.091M	21.57M	17.091M	21.54M	16.942M	21.51M	16.972M
5700MHz	Pass	Inf	21.75M	17.151M	21.6M	17.061M	21.63M	16.972M	21.51M	17.001M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.6M	13.583M	15.645M	13.538M	15.555M	13.478M	15.57M	13.478M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.2M	4.238M	3.2M	4.218M	3.2M	4.218M	3.2M	4.198M
5745MHz	Pass	500k	16.32M	17.781M	16.32M	17.991M	16.53M	17.691M	16.02M	17.811M
5785MHz	Pass	500k	16.32M	17.511M	16.56M	17.511M	16.53M	17.451M	16.32M	17.331M
5825MHz	Pass	500k	16.32M	17.811M	16.35M	18.111M	16.32M	17.901M	16.32M	17.781M

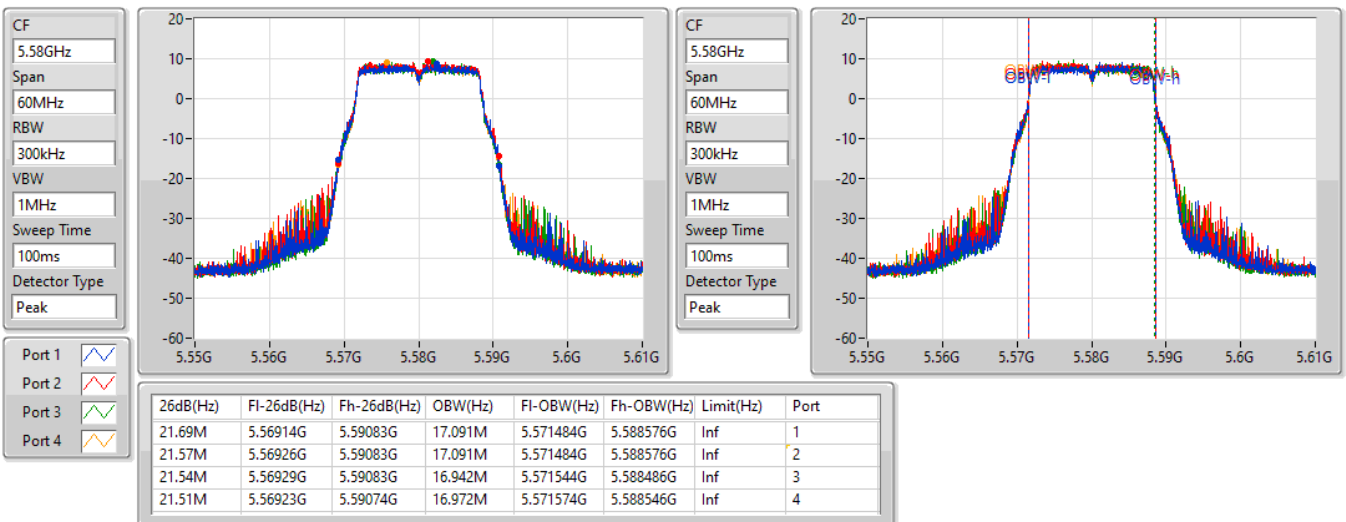
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX
EBW
5500MHz

30/12/2021

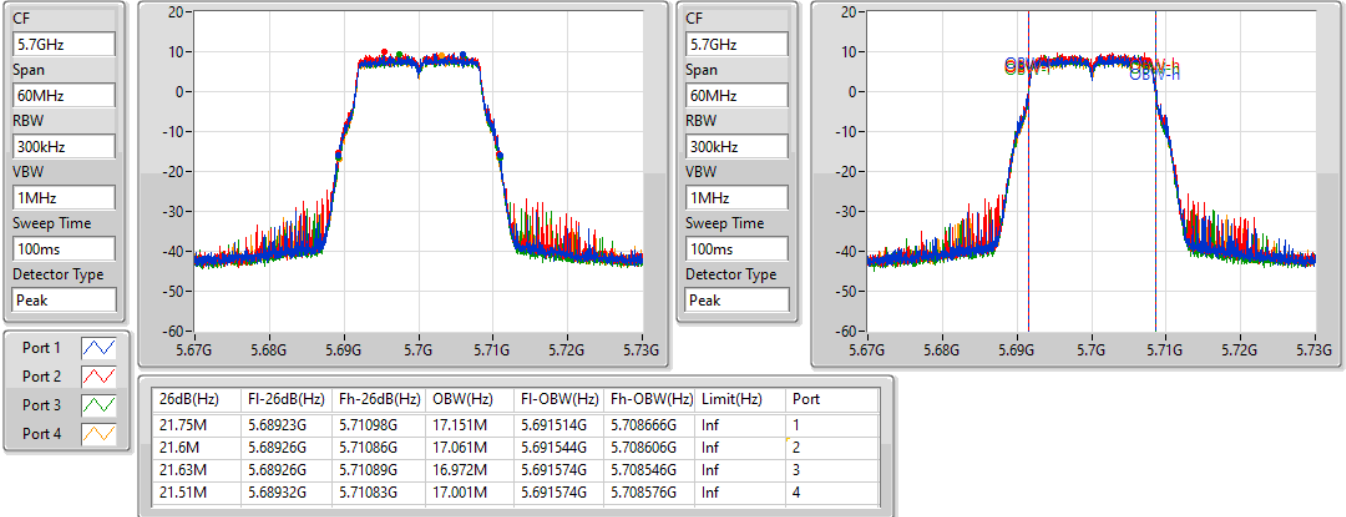

802.11a_Nss1,(6Mbps)_4TX
EBW
5580MHz

30/12/2021

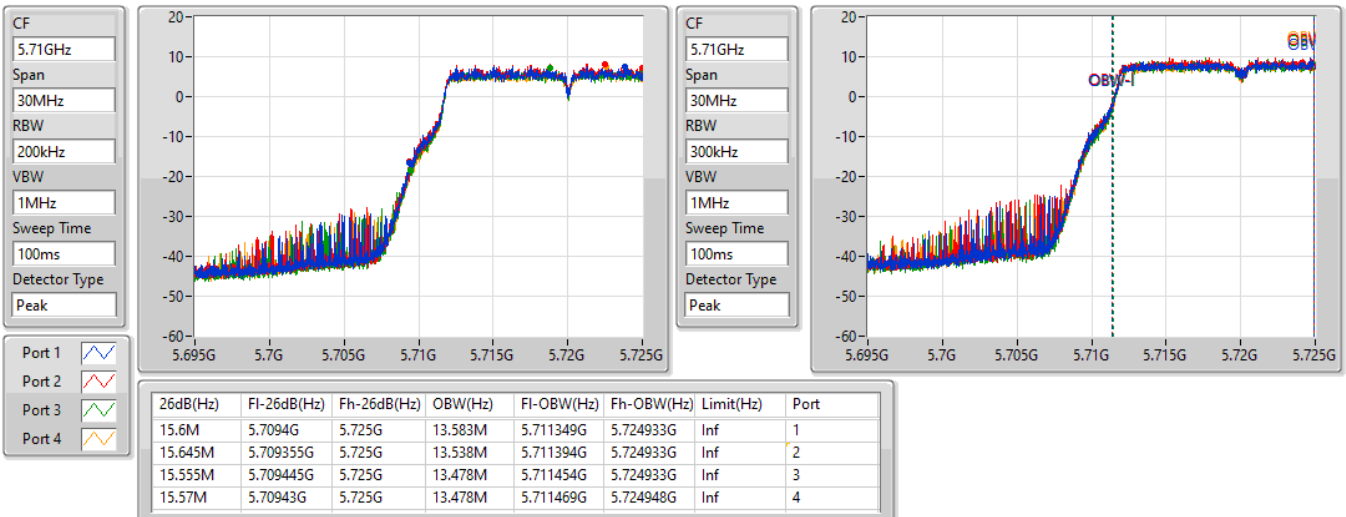


802.11a_Nss1,(6Mbps)_4TX
EBW
5700MHz

30/12/2021

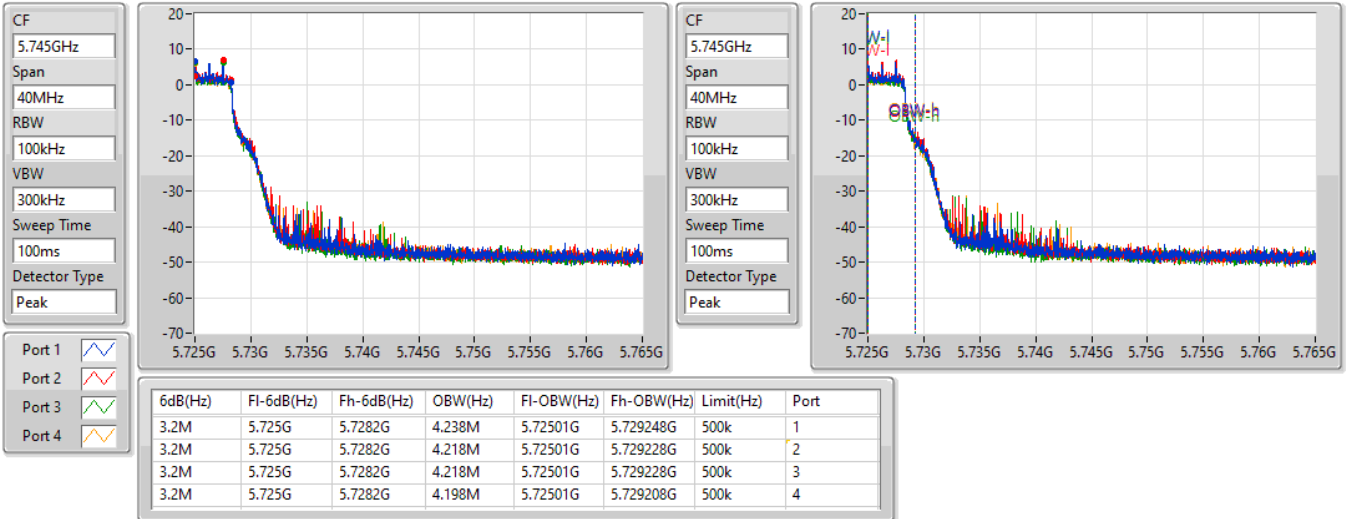

802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

30/12/2021

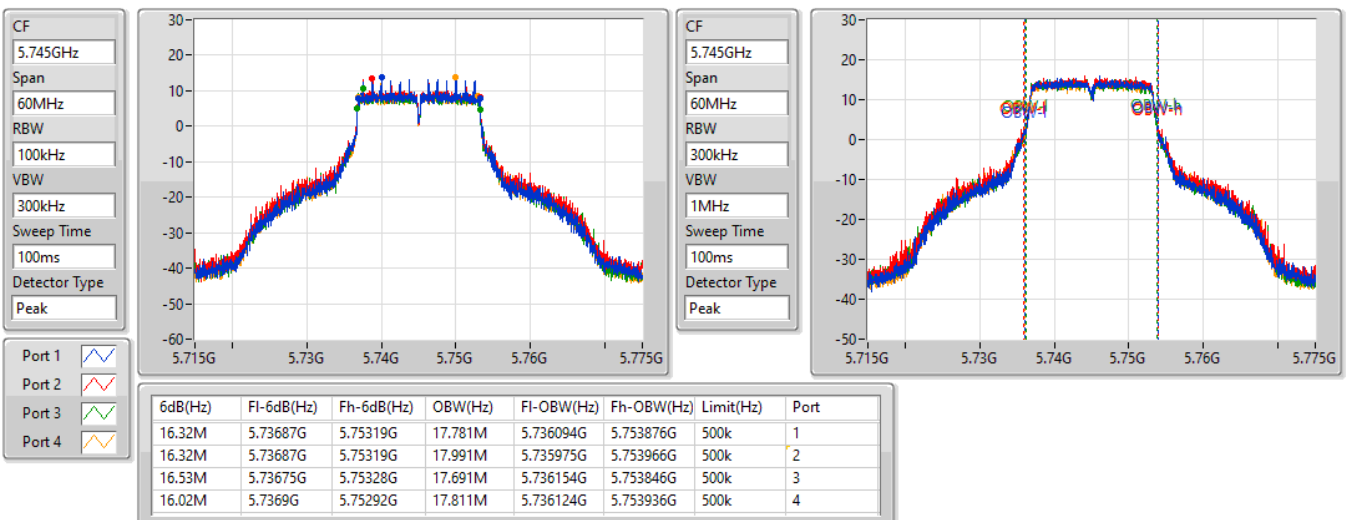


802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

30/12/2021

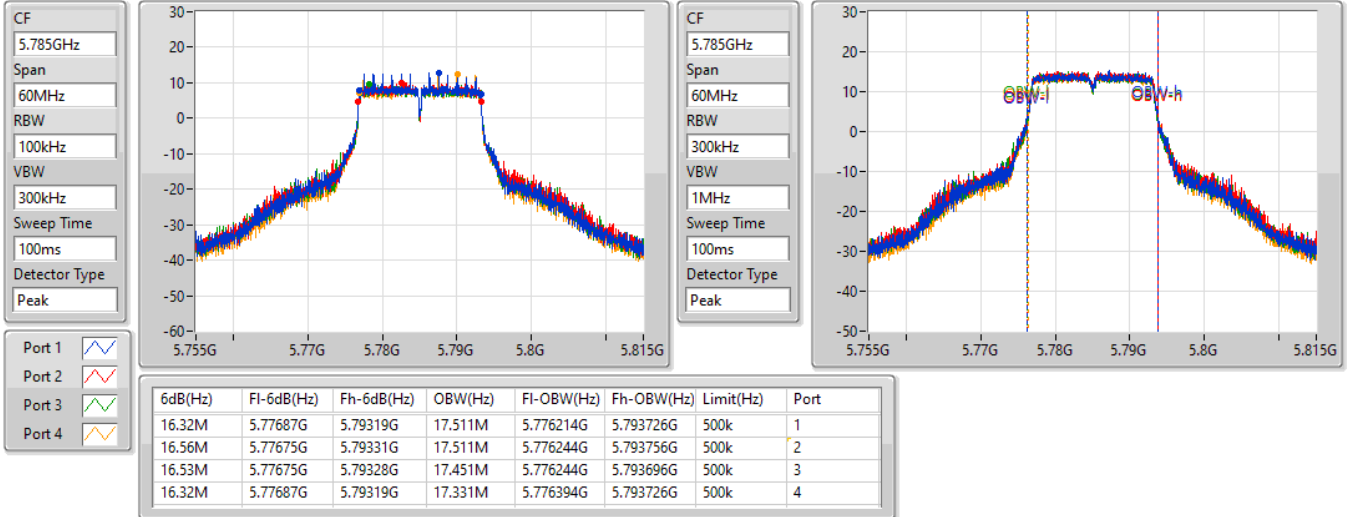

802.11a_Nss1,(6Mbps)_4TX
EBW
5745MHz

30/12/2021

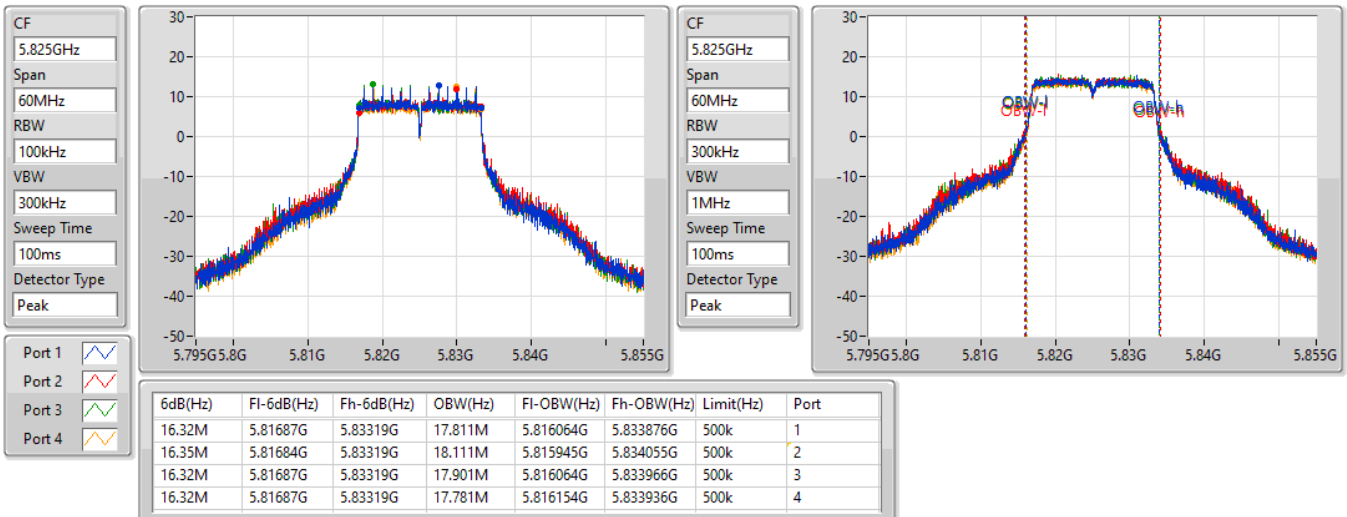


802.11a_Nss1,(6Mbps)_4TX
EBW
5785MHz

30/12/2021


802.11a_Nss1,(6Mbps)_4TX
EBW
5825MHz

30/12/2021



For UNII 2C and UNII 3:

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	27.39M	19.28M	19M3D1D	15.675M	14.513M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	49.26M	38.201M	38M2D1D	35.175M	33.793M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	93.12M	78.081M	78M1D1D	75.825M	73.388M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	164.88M	156.402M	156MD1D	164.16M	156.162M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.93M	19.46M	19M5D1D	4.46M	4.698M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.8M	38.321M	38M3D1D	3.76M	4.118M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	76.44M	78.321M	78M3D1D	3.72M	4.178M

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

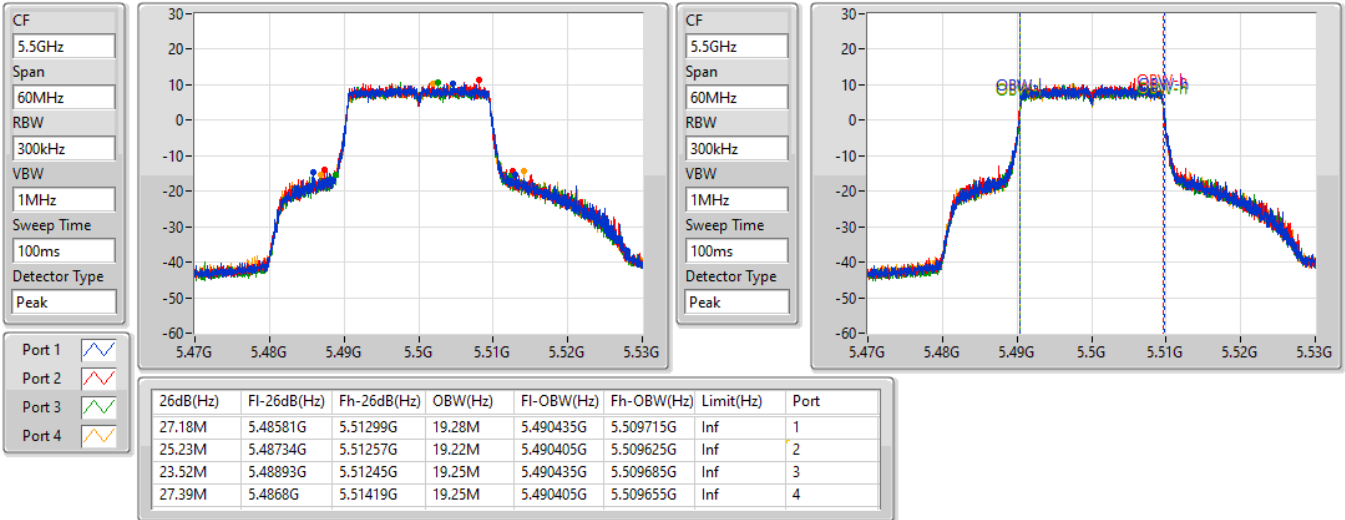
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	27.18M	19.28M	25.23M	19.22M	23.52M	19.25M	27.39M	19.25M
5580MHz	Pass	Inf	21.75M	19.07M	21.63M	19.13M	21.72M	19.1M	21.75M	19.1M
5700MHz	Pass	Inf	21.81M	19.13M	21.54M	19.1M	21.78M	19.1M	21.78M	19.13M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.72M	14.543M	15.675M	14.543M	15.72M	14.513M	15.87M	14.528M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	4.718M	4.52M	4.698M	4.5M	4.738M	4.46M	4.718M
5745MHz	Pass	500k	18.75M	19.31M	18.72M	19.34M	18.69M	19.37M	18.06M	19.31M
5785MHz	Pass	500k	18.84M	19.28M	18.81M	19.31M	18.87M	19.28M	18.93M	19.22M
5825MHz	Pass	500k	18.87M	19.4M	18.66M	19.46M	18.78M	19.4M	18.93M	19.34M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	Inf	46.14M	38.201M	46.8M	38.201M	45M	38.141M	49.26M	38.141M
5550MHz	Pass	Inf	40.68M	37.961M	40.44M	38.021M	40.62M	37.901M	40.38M	37.961M
5670MHz	Pass	Inf	40.8M	37.961M	40.62M	37.961M	40.38M	37.961M	40.62M	37.961M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.315M	33.793M	35.28M	33.828M	35.175M	33.793M	35.315M	33.863M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.9M	4.178M	3.86M	4.178M	4M	4.158M	3.76M	4.118M
5755MHz	Pass	500k	37.62M	38.261M	37.32M	38.261M	36.84M	38.261M	37.56M	38.321M
5795MHz	Pass	500k	37.8M	38.141M	37.62M	38.141M	37.08M	38.261M	37.56M	38.201M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	Inf	93.12M	77.961M	88.68M	78.081M	88.8M	77.841M	84.72M	77.961M
5610MHz	Pass	Inf	82.32M	77.601M	81.84M	77.721M	81.48M	77.601M	81.84M	77.481M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.975M	73.463M	75.9M	73.388M	75.825M	73.538M	76.2M	73.463M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.94M	4.198M	3.82M	4.178M	3.84M	4.178M	3.72M	4.178M
5775MHz	Pass	500k	76.08M	78.081M	76.44M	78.321M	76.32M	78.201M	75.48M	78.201M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5570MHz	Pass	Inf	164.64M	156.402M	164.88M	156.162M	164.16M	156.402M	164.64M	156.162M

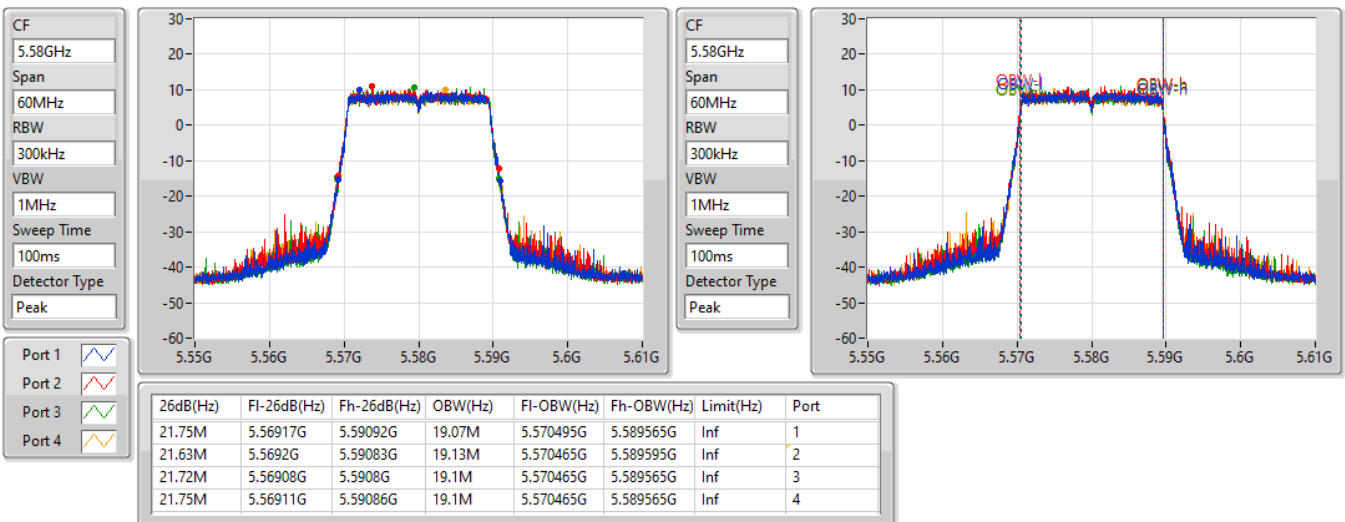
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

30/12/2021

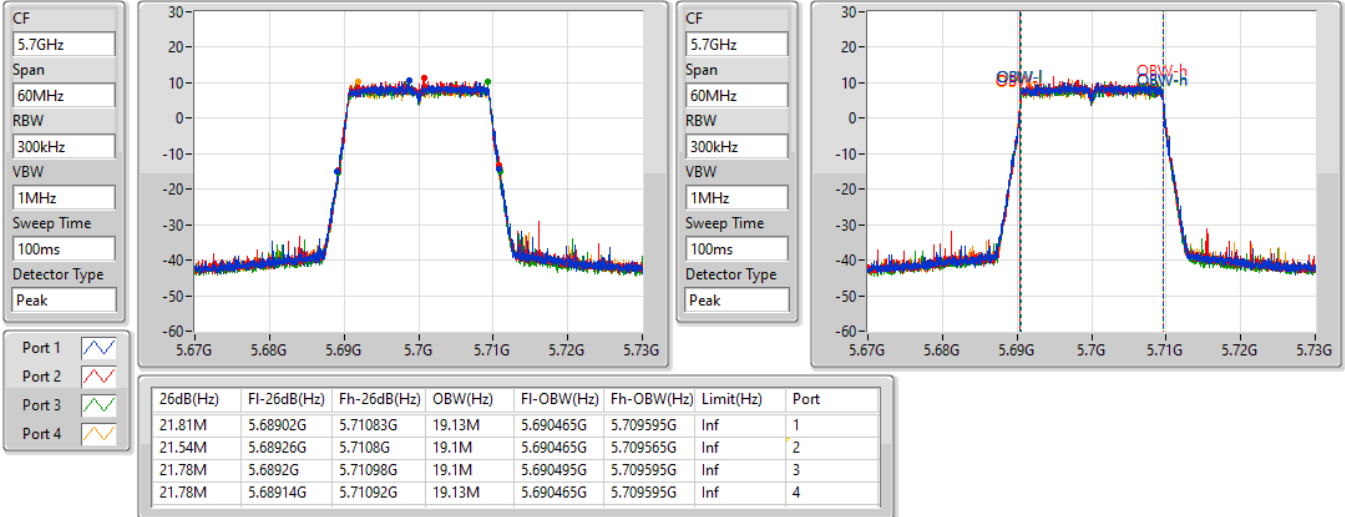

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5580MHz

30/12/2021

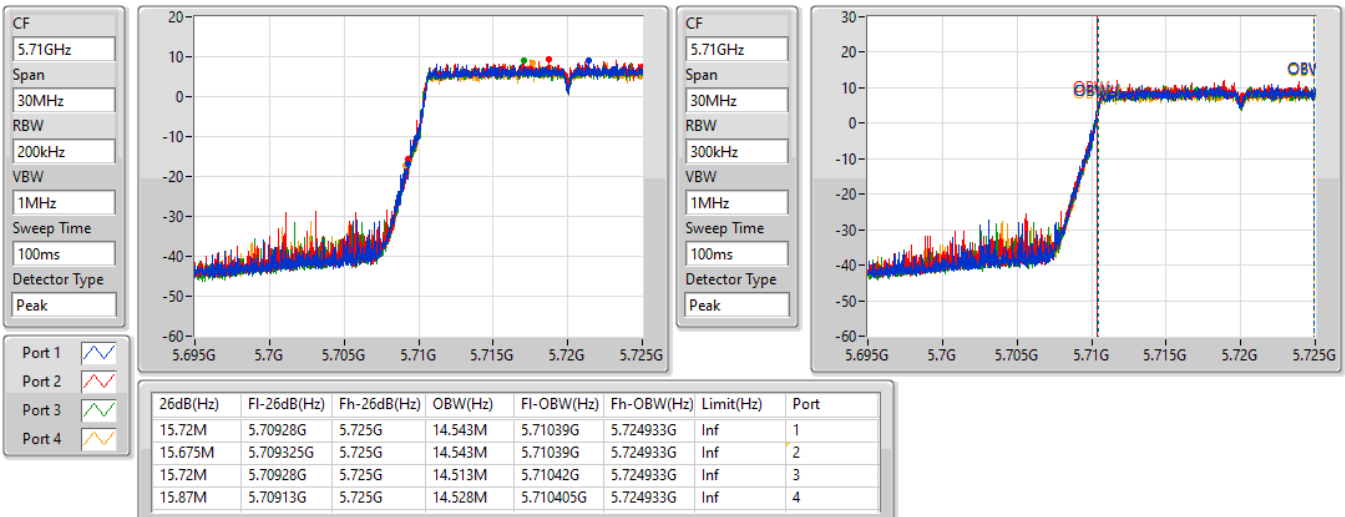


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5700MHz

30/12/2021

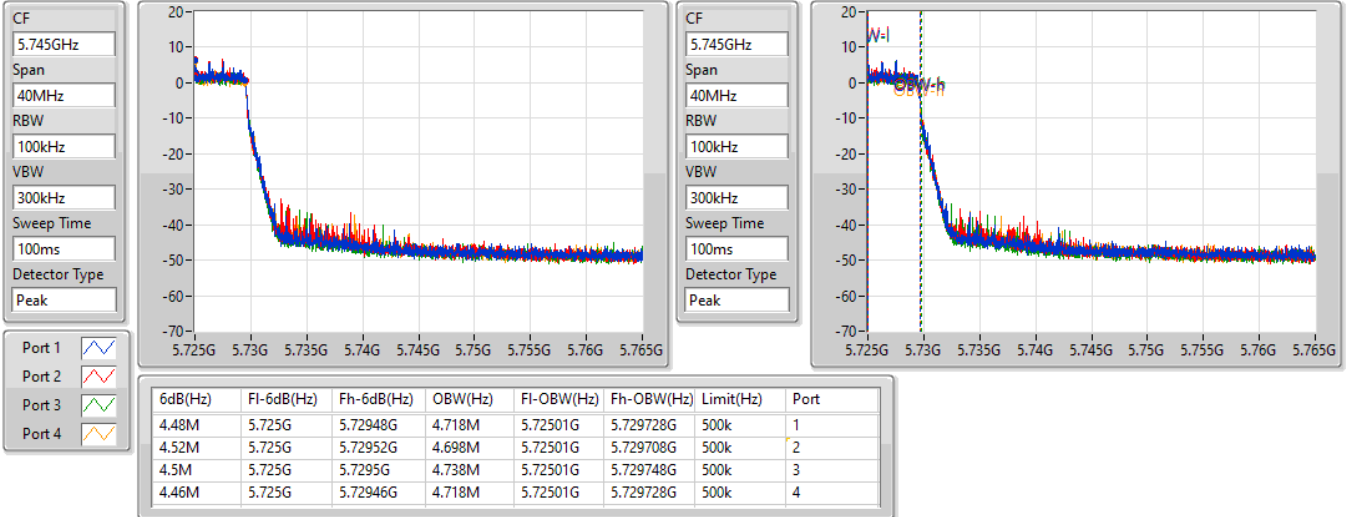

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

30/12/2021

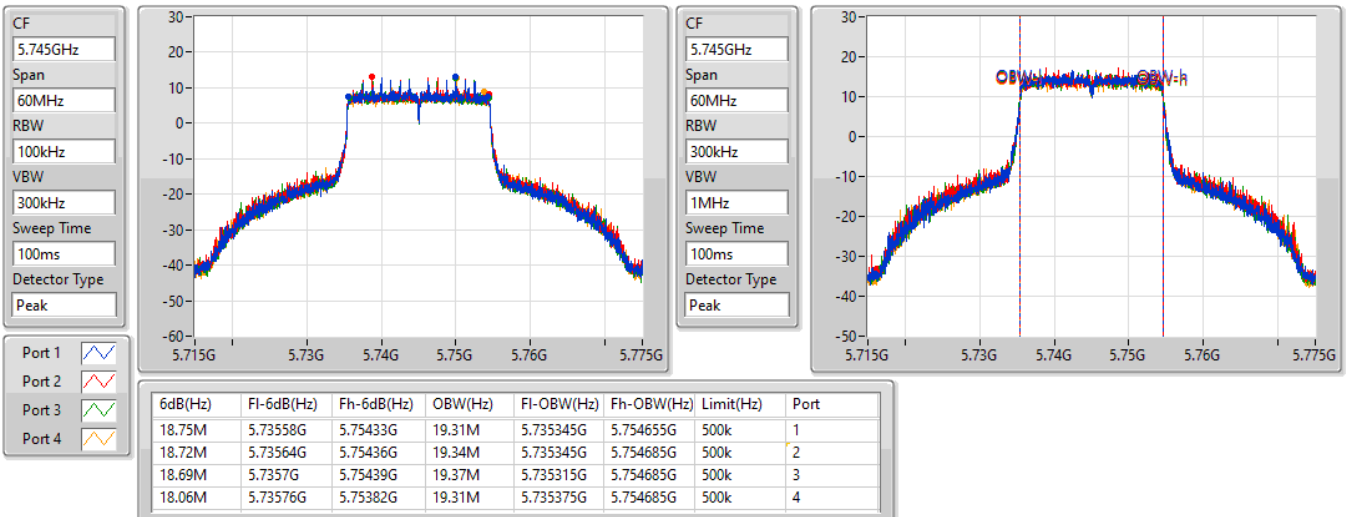


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

30/12/2021

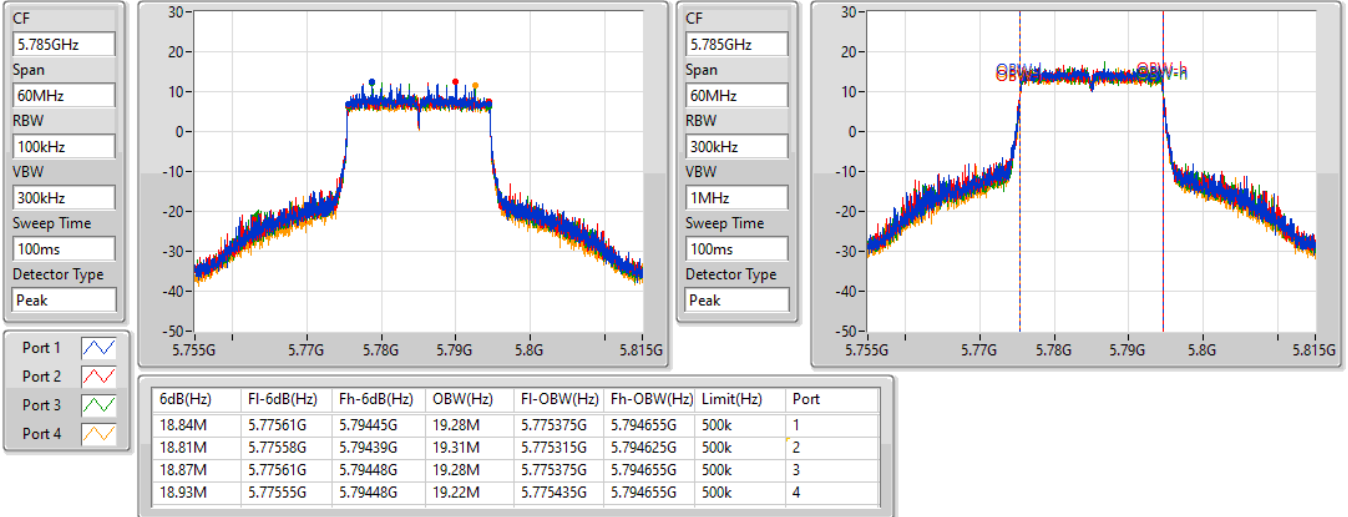

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5745MHz

30/12/2021

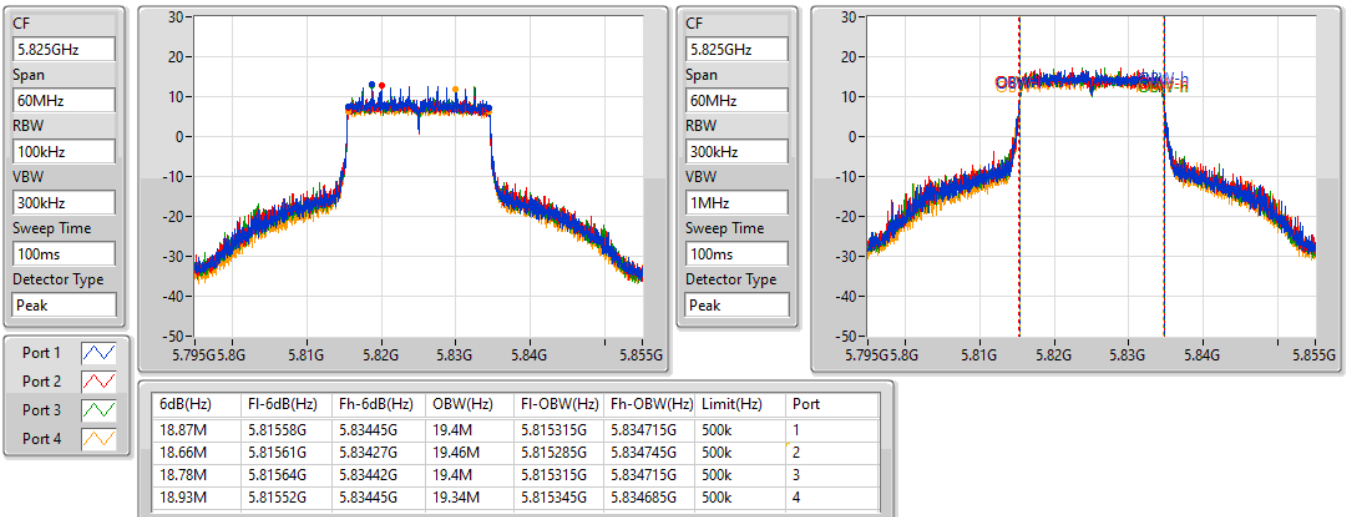


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5785MHz

30/12/2021

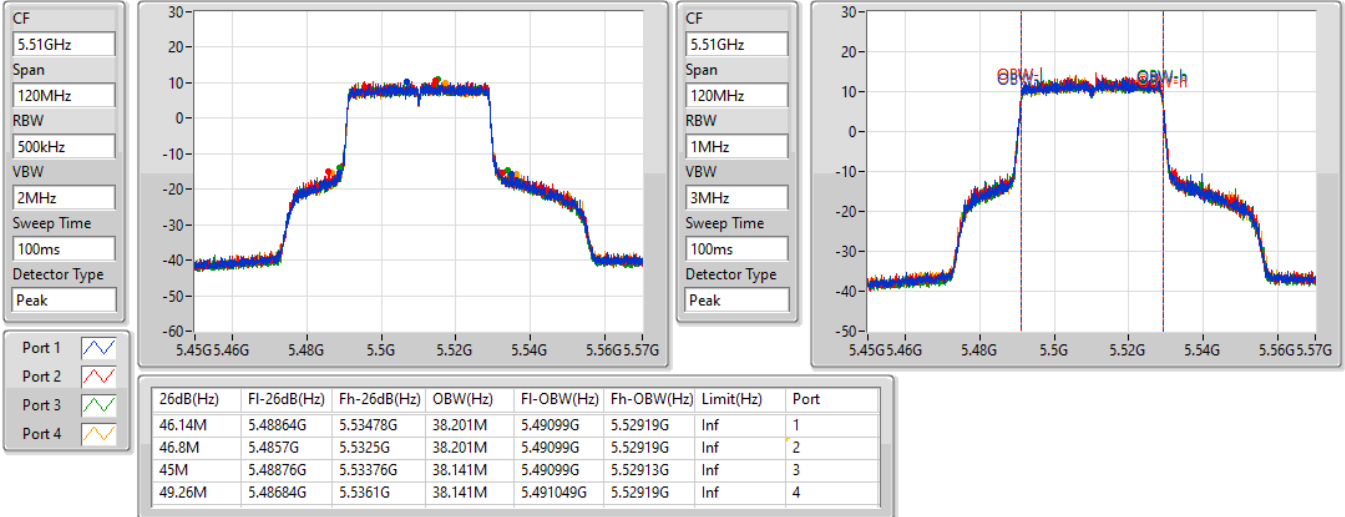

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5825MHz

30/12/2021

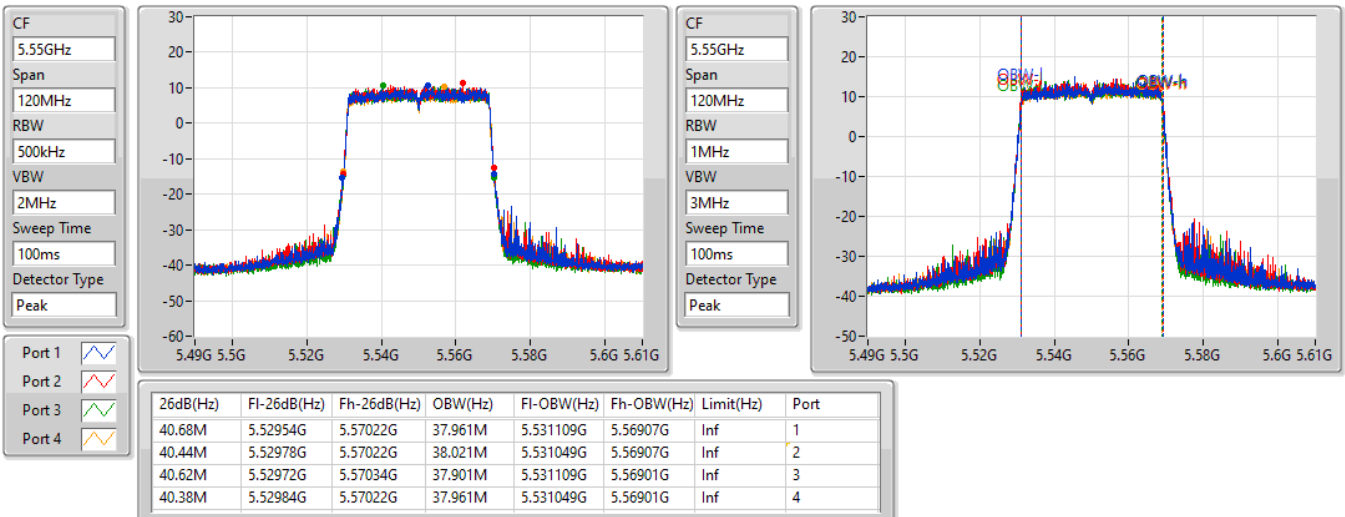


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5510MHz

30/12/2021

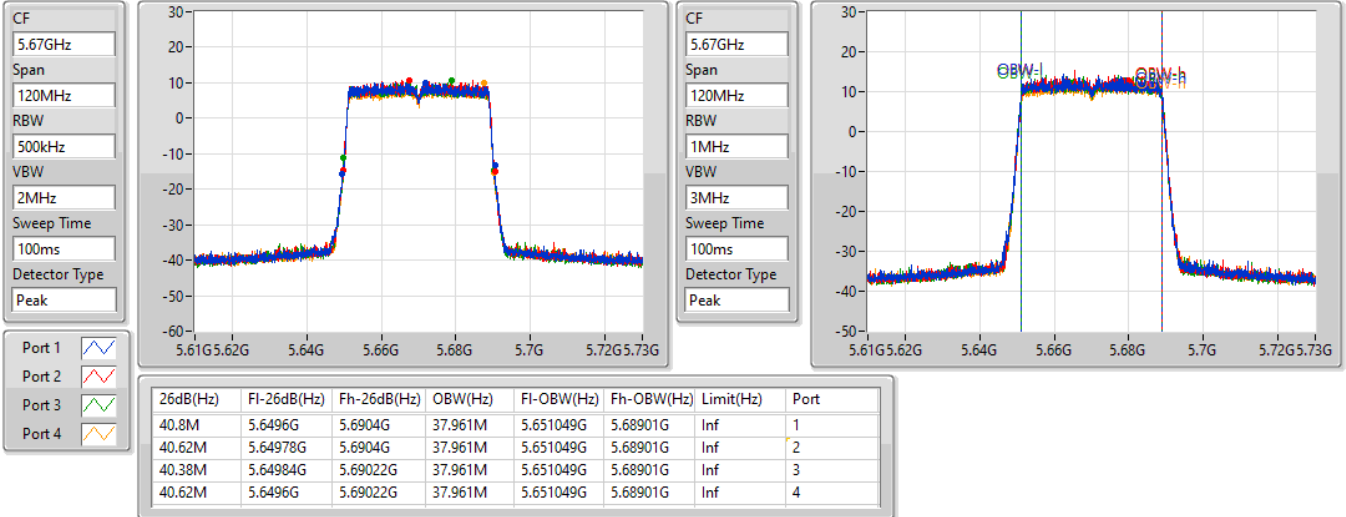

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5550MHz

30/12/2021

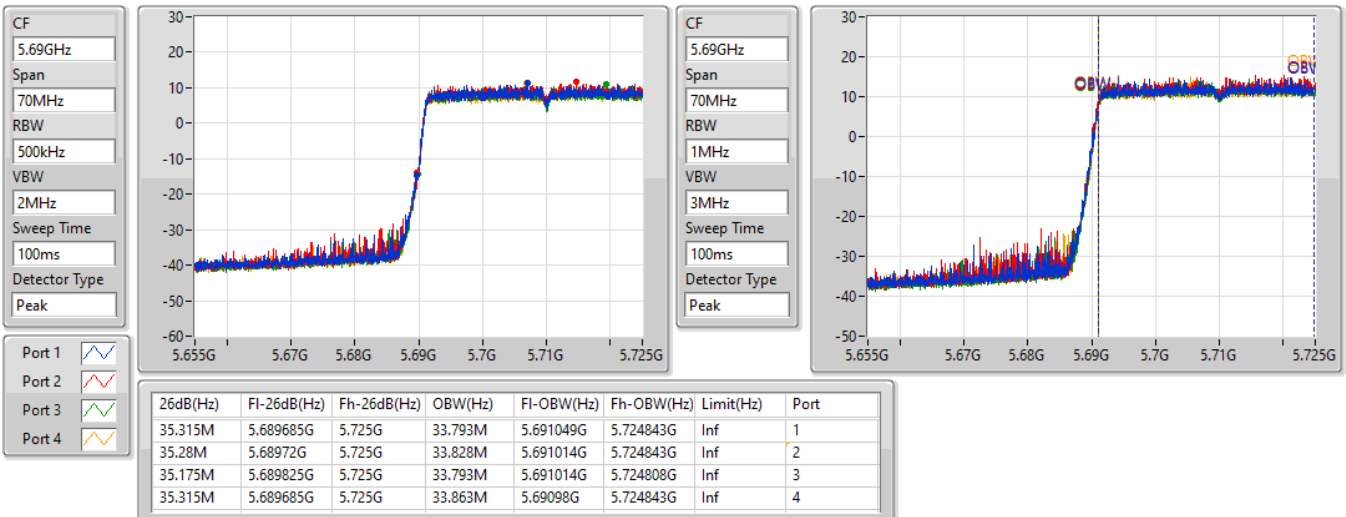


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5670MHz

30/12/2021

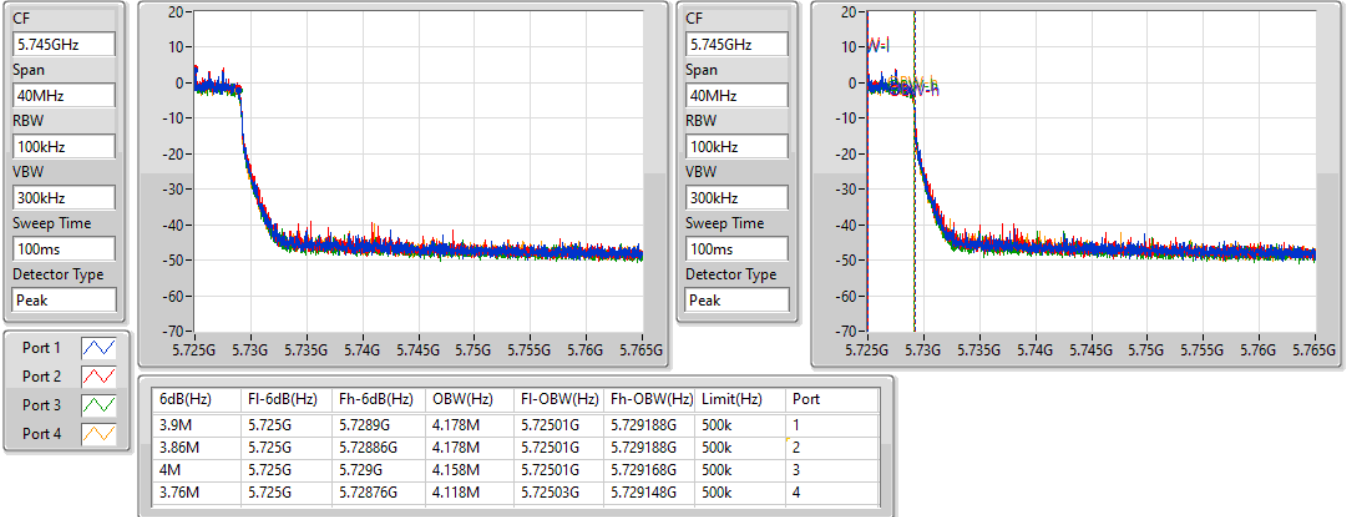

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

30/12/2021

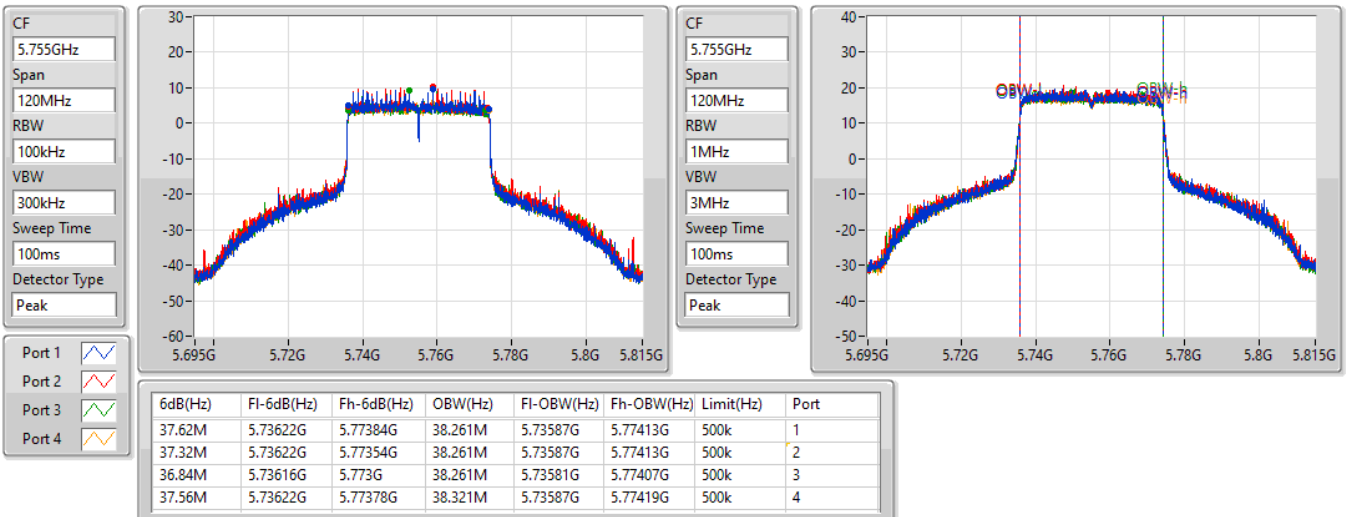


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

30/12/2021

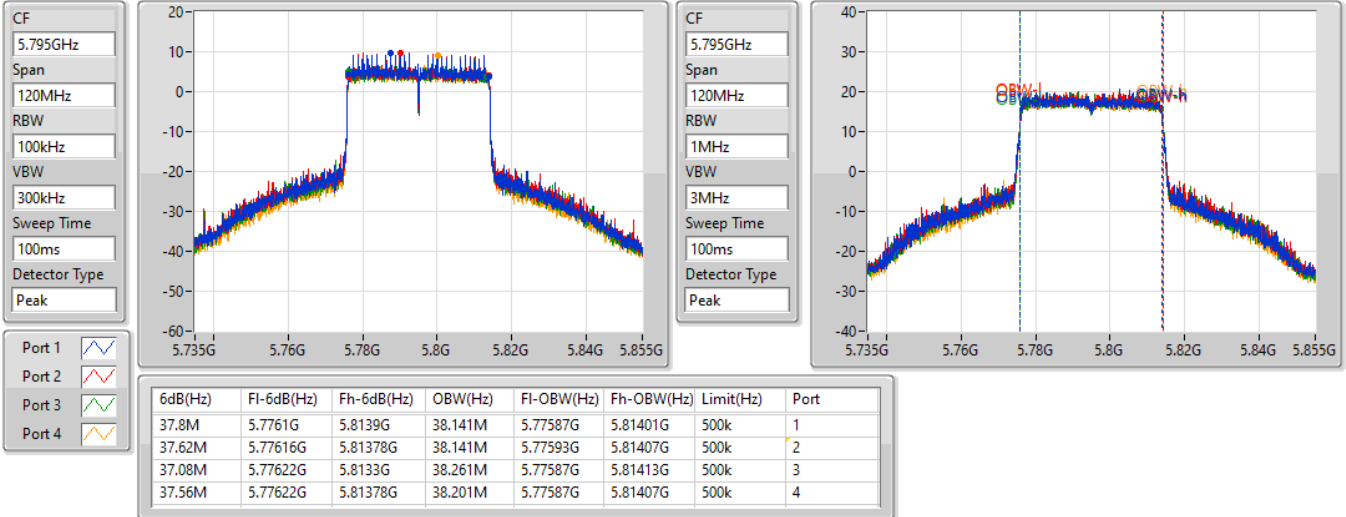

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5755MHz

30/12/2021

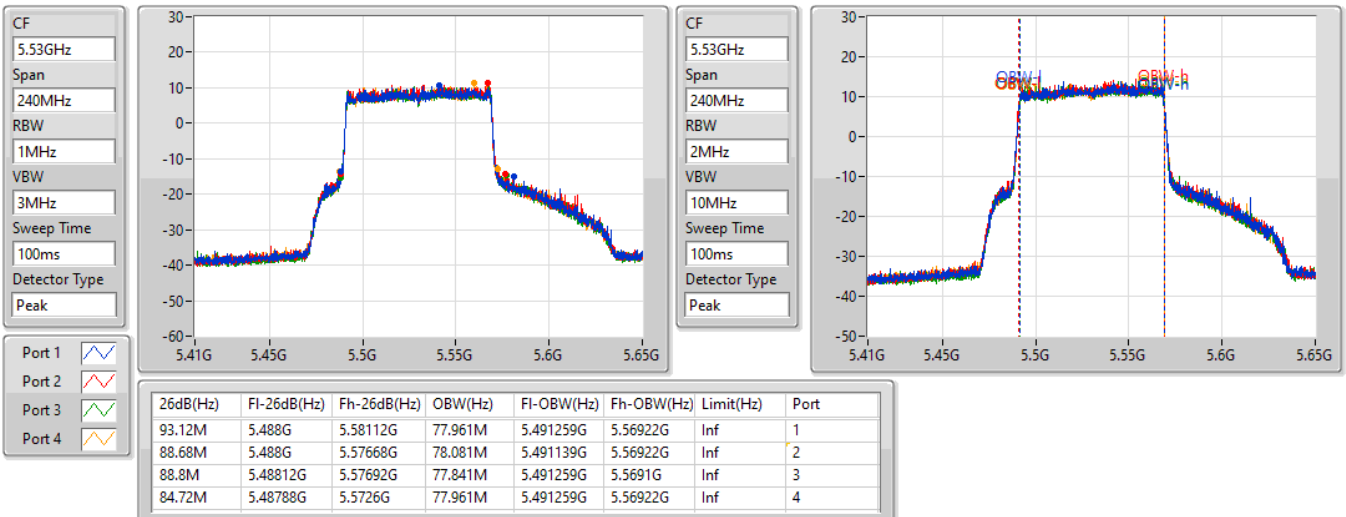


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5795MHz

30/12/2021

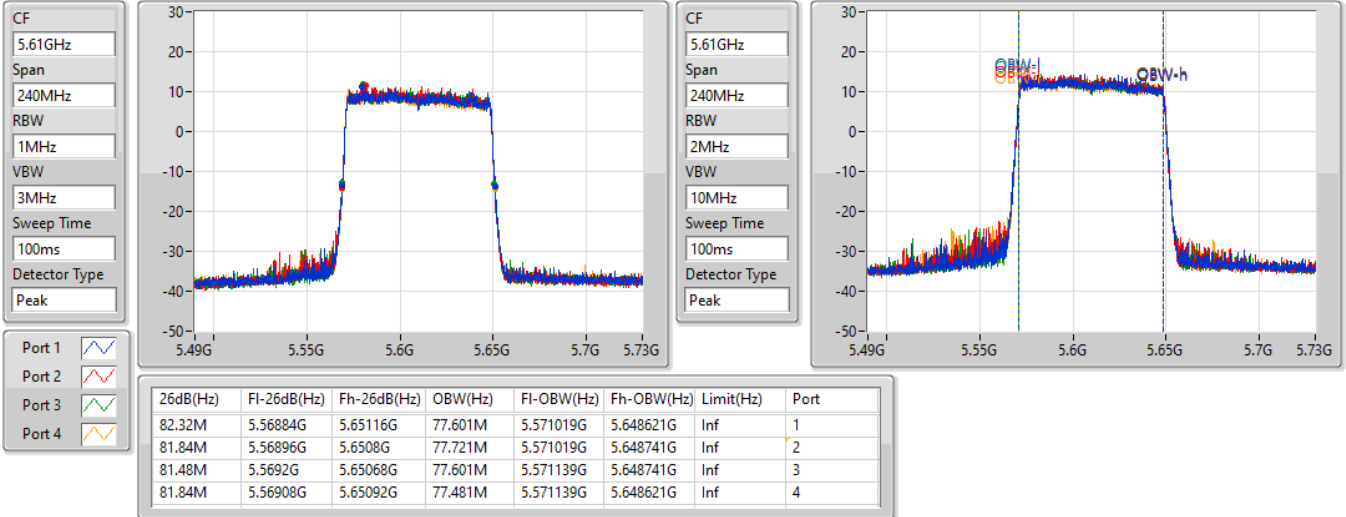

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5530MHz

30/12/2021

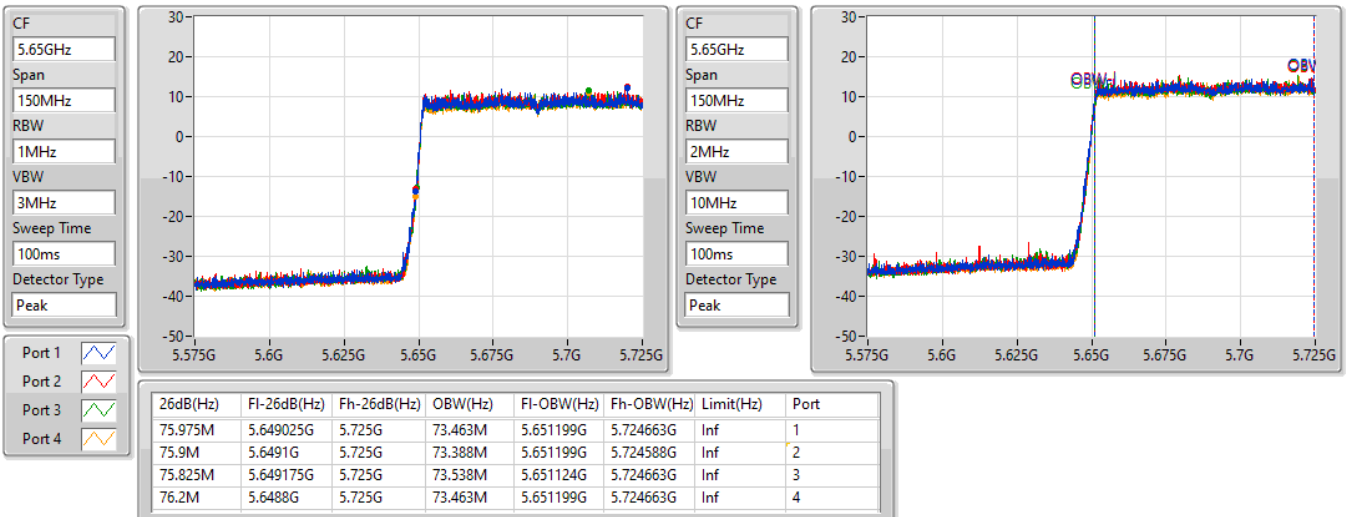


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5610MHz

30/12/2021

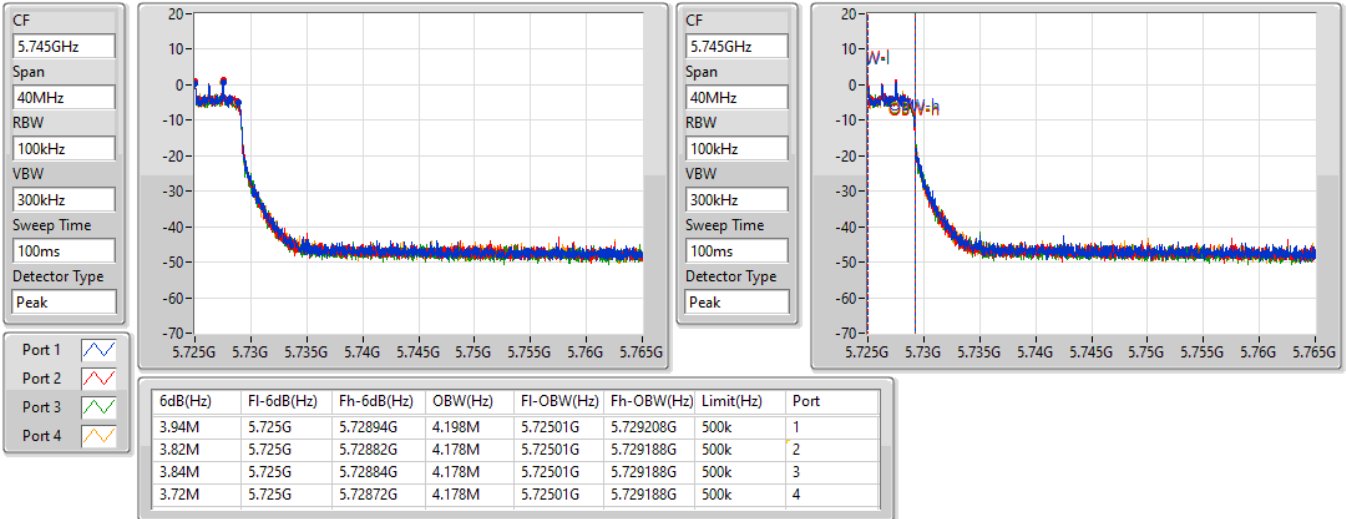

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

30/12/2021

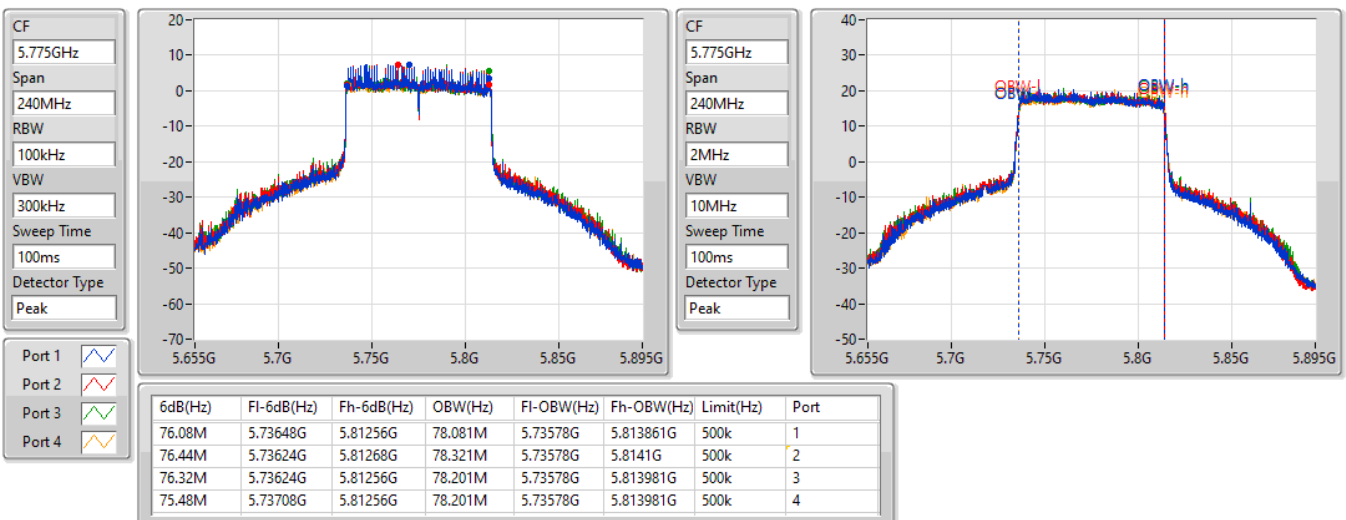


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

30/12/2021


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

30/12/2021

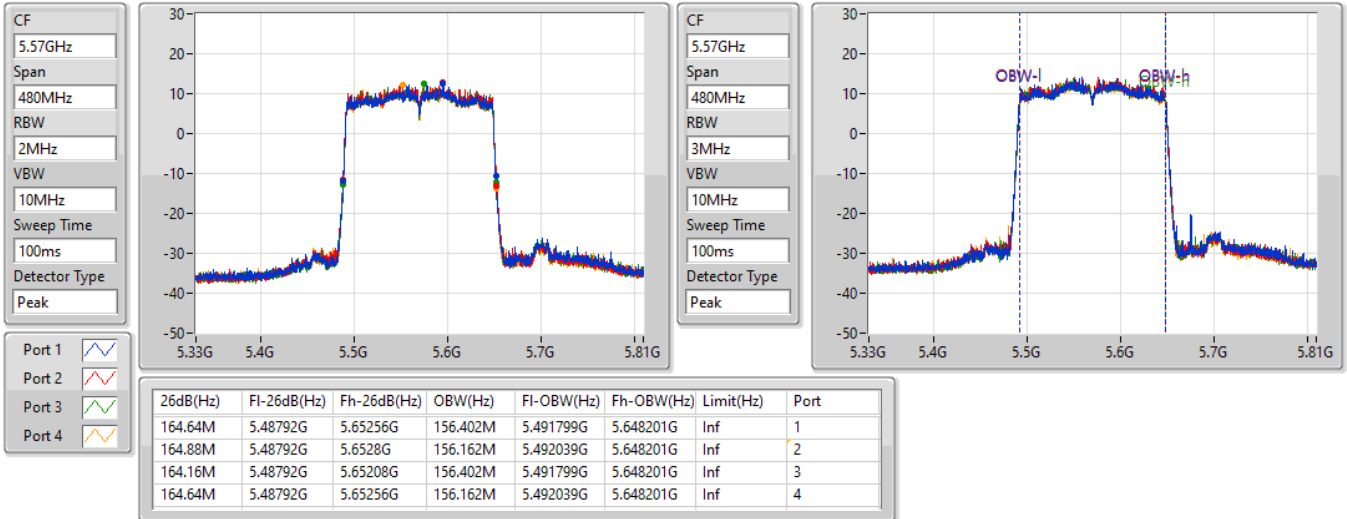


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

30/12/2021





Average Power_EUT 1

Appendix C.1

For UNII 1 and UNII 2A:

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.91	0.97949
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.65	0.23174



Average Power_EUT 1

Appendix C.1

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	5.30	23.00	23.07	22.77	22.74	28.92	30.00
5200MHz	Pass	5.30	24.03	24.08	23.75	23.69	29.91	30.00
5240MHz	Pass	5.30	23.65	23.99	23.77	23.61	29.78	30.00
5260MHz	Pass	5.33	17.82	17.70	17.15	17.43	23.55	23.98
5300MHz	Pass	5.33	17.60	17.72	17.54	17.65	23.65	23.98
5320MHz	Pass	5.33	17.54	17.51	17.50	17.61	23.56	23.98

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



Average Power_EUT 1

Appendix C.2

For UNII 1 and UNII 2A:

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.91	0.97949
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.97	0.99312
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	28.10	0.64565
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	22.67	0.18493
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.67	0.23281
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.71	0.23496
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.66	0.23227
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	23.03	0.20091

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.99	23.86	24.00	23.54	23.81	29.83	30.00
5200MHz	Pass	5.99	23.89	24.04	23.84	23.71	29.89	30.00
5240MHz	Pass	5.99	23.79	24.32	23.89	23.52	29.91	30.00
5260MHz	Pass	6.25	17.76	17.83	17.63	17.35	23.67	23.73
5300MHz	Pass	6.25	17.65	17.71	17.37	17.49	23.58	23.73
5320MHz	Pass	6.25	17.52	17.66	17.36	17.41	23.51	23.73
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.99	22.86	22.80	22.83	22.71	28.82	30.00
5230MHz	Pass	5.99	23.91	24.03	24.19	23.65	29.97	30.00
5270MHz	Pass	6.25	17.58	17.48	17.55	17.38	23.52	23.73
5310MHz	Pass	6.25	17.82	17.57	17.63	17.72	23.71	23.73
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.99	22.14	21.95	22.13	22.10	28.10	30.00
5290MHz	Pass	6.25	17.73	17.65	17.64	17.53	23.66	23.73
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.99	16.68	16.82	16.42	16.67	22.67	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	6.25	17.07	17.12	17.12	16.72	23.03	23.73

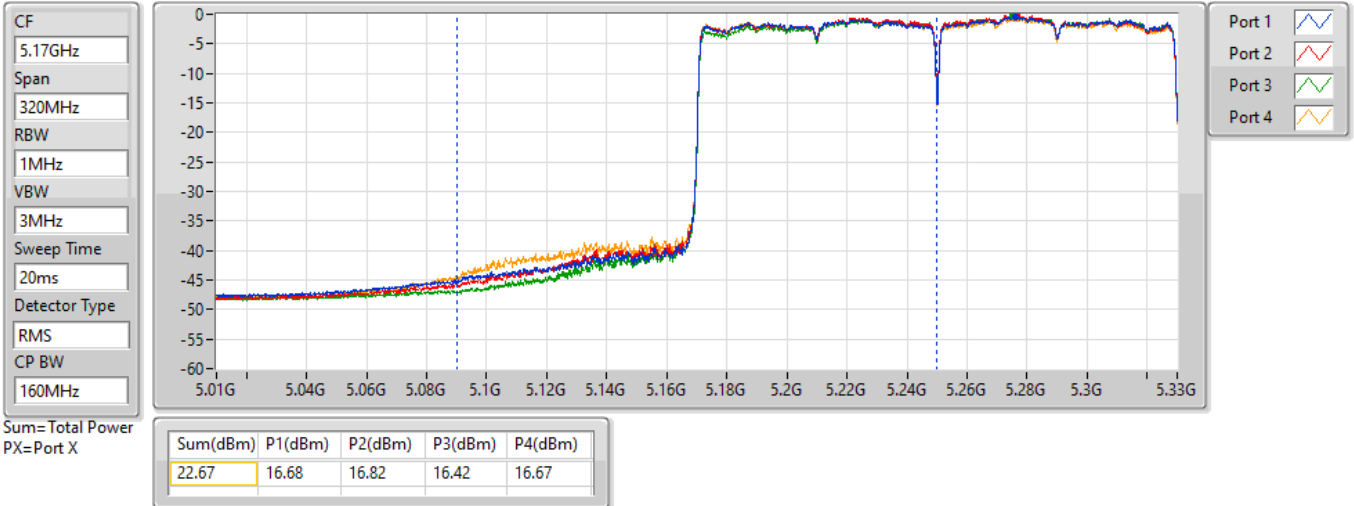
DG = Directional Gain; Port X = Port X output power

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

30/12/2021

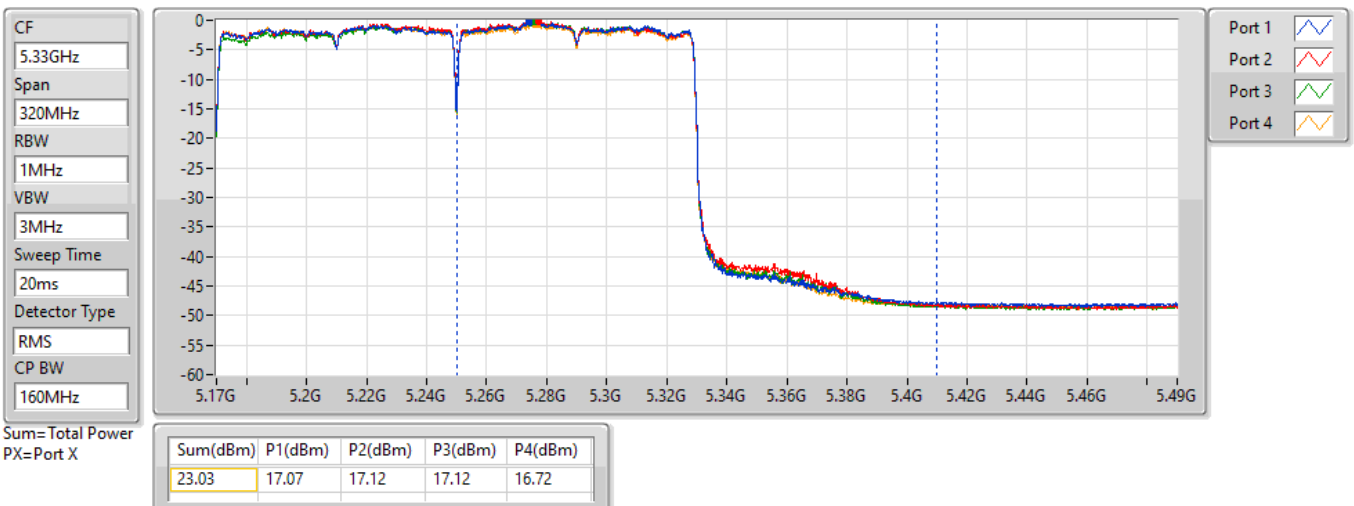


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

30/12/2021





Average Power_EUT 1

Appendix C.3

For UNII 2C and UNII 3:

Summary

Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.91	0.24604
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.94	0.98628



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	-	-	-	-	-	-	-	-
5500MHz	Pass	4.67	17.82	18.18	17.50	17.50	23.78	23.98
5580MHz	Pass	4.67	17.82	18.14	17.76	17.63	23.86	23.98
5700MHz	Pass	4.67	17.91	18.19	17.84	17.58	23.91	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.67	16.70	17.14	16.50	16.40	22.72	22.92
5720MHz Straddle 5.725-5.85GHz	Pass	5.38	10.90	11.25	10.45	10.44	16.79	30.00
5745MHz	Pass	5.38	24.07	24.19	23.62	23.78	29.94	30.00
5785MHz	Pass	5.38	23.94	24.12	23.80	23.48	29.86	30.00
5825MHz	Pass	5.38	23.73	24.07	23.86	23.38	29.79	30.00

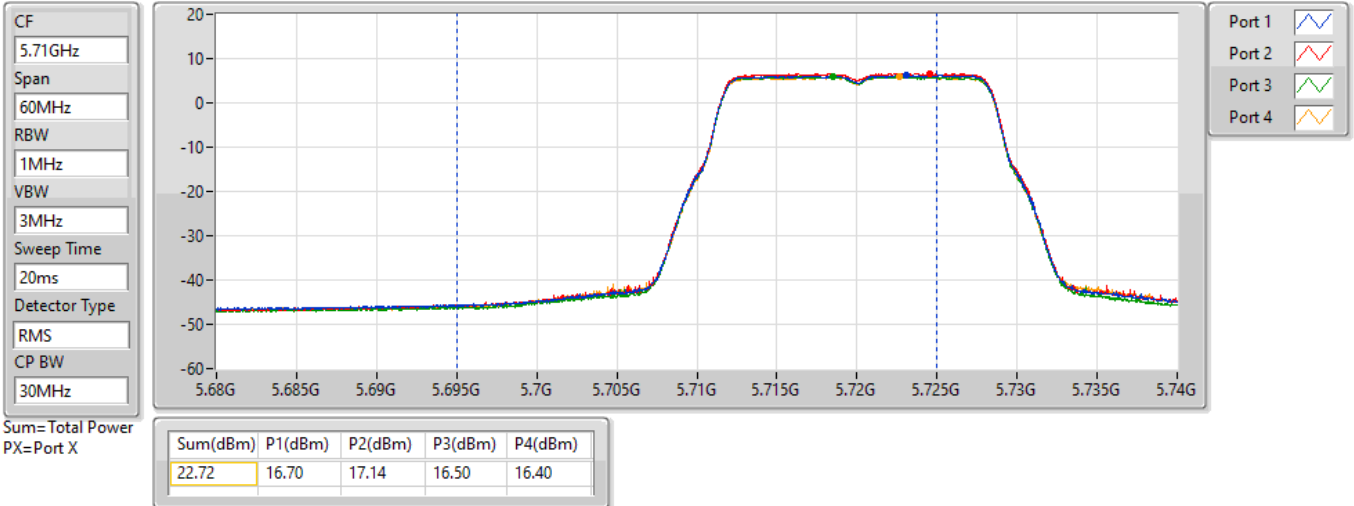
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

30/12/2021

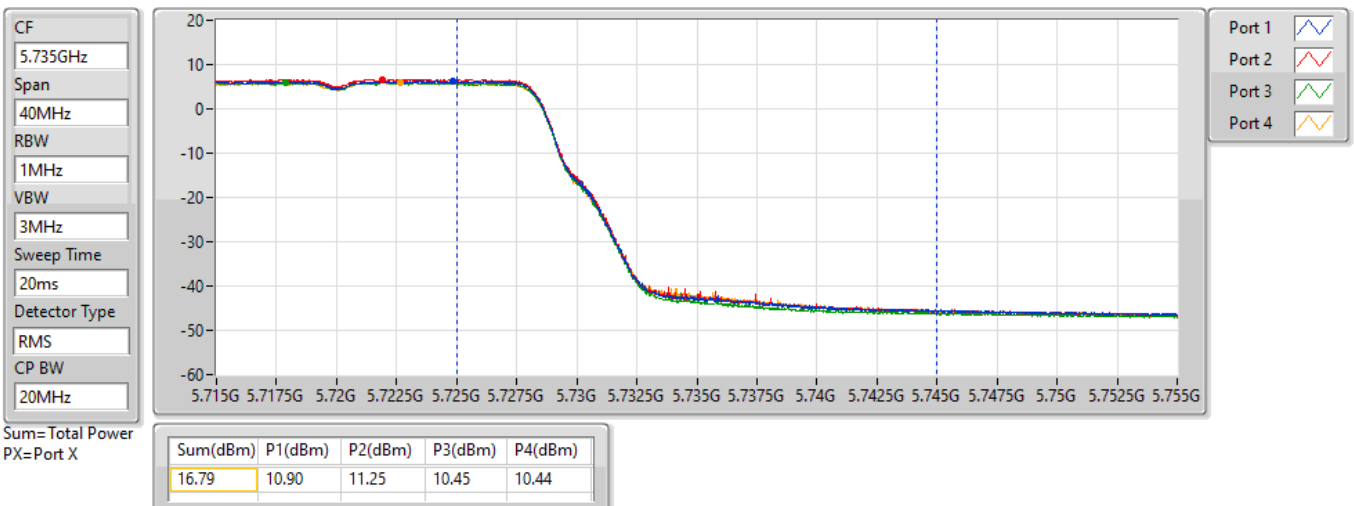


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

30/12/2021



For UNII 2C and UNII 3:

Summary

Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.59	0.22856
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.66	0.23227
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.53	0.22542
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	23.64	0.23121
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.69	0.93111
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.70	0.93325
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	29.63	0.91833

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	-	-	-	-	-	-	-	-
5500MHz	Pass	6.24	17.47	17.98	17.42	17.28	23.57	23.74
5580MHz	Pass	6.24	17.46	17.77	17.47	17.32	23.53	23.74
5700MHz	Pass	6.24	17.53	18.08	17.47	17.15	23.59	23.74
5720MHz Straddle 5.47-5.725GHz	Pass	6.24	16.64	17.04	16.42	16.18	22.60	22.71
5720MHz Straddle 5.725-5.85GHz	Pass	6.26	11.64	12.06	11.43	11.32	17.64	29.74
5745MHz	Pass	6.26	23.71	23.90	23.39	23.26	29.59	29.74
5785MHz	Pass	6.26	23.77	23.80	23.58	22.90	29.55	29.74
5825MHz	Pass	6.26	23.81	23.83	23.79	23.20	29.69	29.74
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5510MHz	Pass	6.24	17.73	17.75	17.61	17.47	23.66	23.74
5550MHz	Pass	6.24	17.56	17.81	17.57	17.41	23.61	23.74
5670MHz	Pass	6.24	17.57	17.99	17.47	16.96	23.53	23.74
5710MHz Straddle 5.47-5.725GHz	Pass	6.24	17.54	17.96	17.35	17.13	23.53	23.74
5710MHz Straddle 5.725-5.85GHz	Pass	6.26	8.36	8.77	8.07	8.04	14.34	29.74
5755MHz	Pass	6.26	23.64	23.85	23.33	23.30	29.56	29.74
5795MHz	Pass	6.26	23.95	23.90	23.48	23.35	29.70	29.74
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5530MHz	Pass	6.24	17.30	17.69	17.44	17.47	23.50	23.74
5610MHz	Pass	6.24	17.50	17.78	17.53	17.22	23.53	23.74
5690MHz Straddle 5.47-5.725GHz	Pass	6.24	17.48	17.91	17.42	17.08	23.50	23.74
5690MHz Straddle 5.725-5.85GHz	Pass	6.26	5.07	5.48	4.91	4.89	11.11	29.74
5775MHz	Pass	6.26	23.69	23.78	23.60	23.37	29.63	29.74
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5570MHz	Pass	6.24	17.48	17.81	17.82	17.34	23.64	23.74

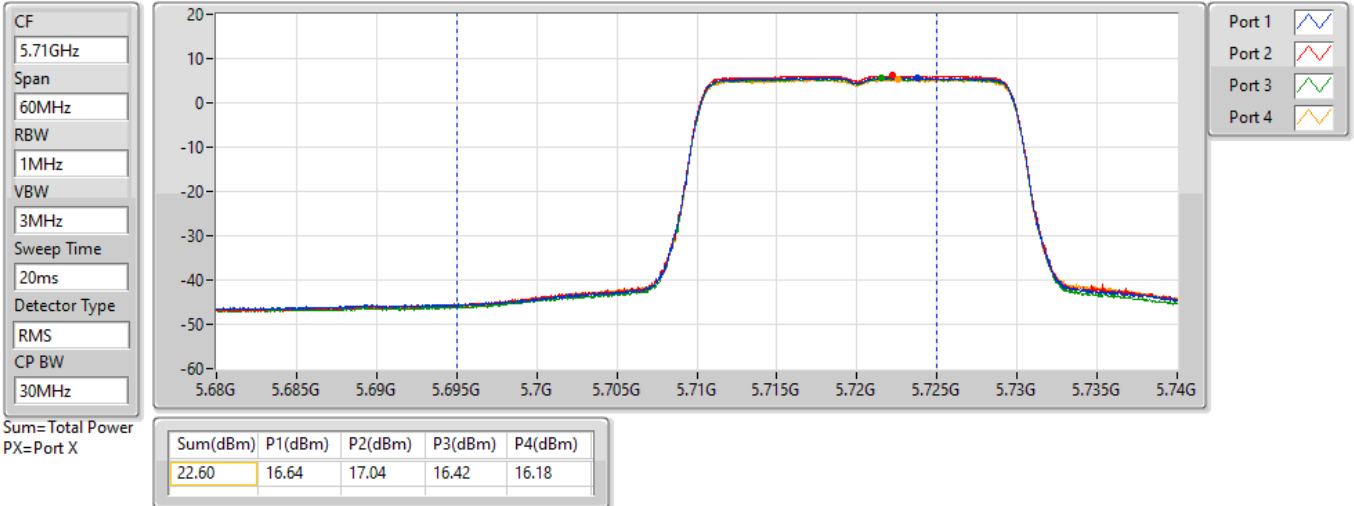
DG = Directional Gain; Port X = Port X output power

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

30/12/2021

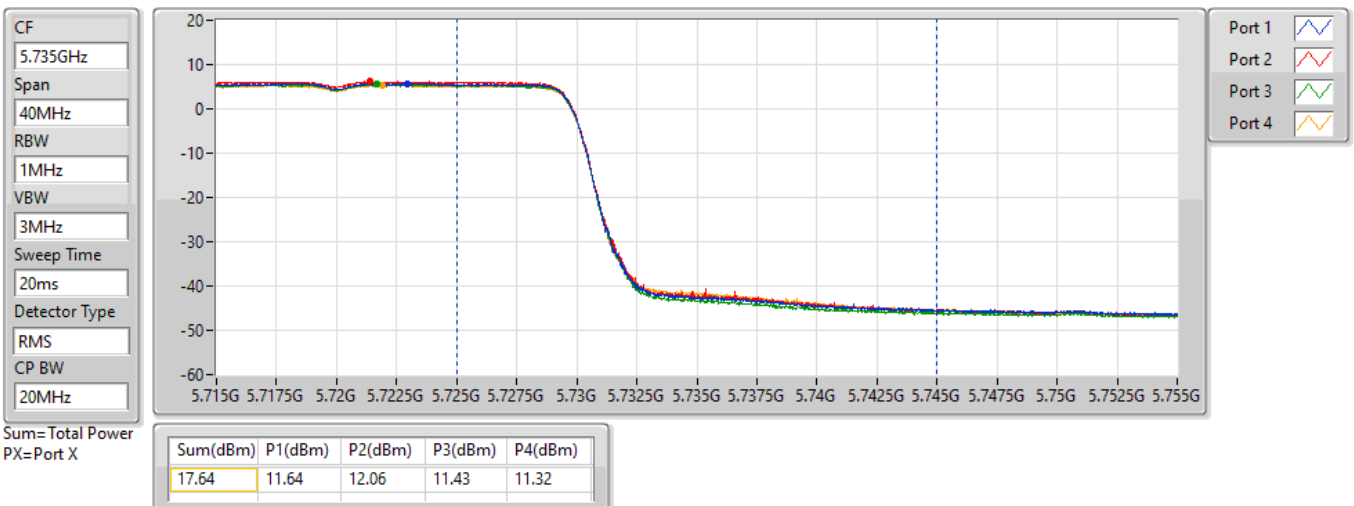


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

30/12/2021



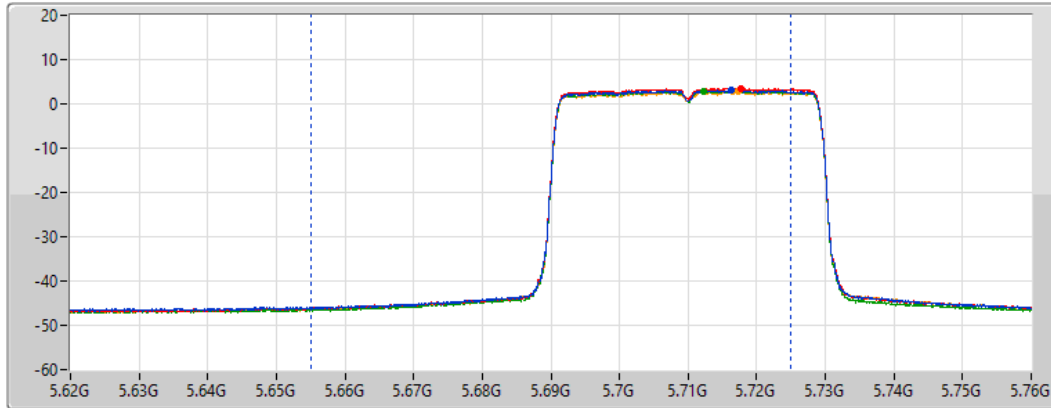
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

30/12/2021

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



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.53	17.54	17.96	17.35	17.13

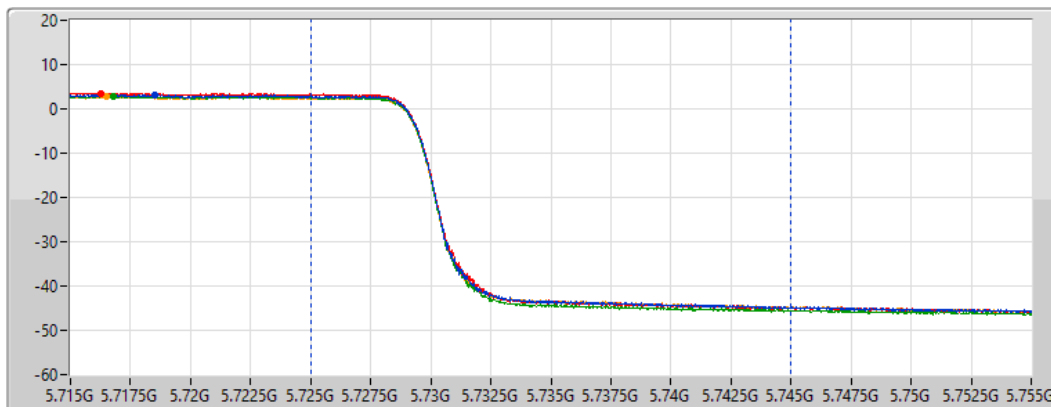
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

30/12/2021

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



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.34	8.36	8.77	8.07	8.04

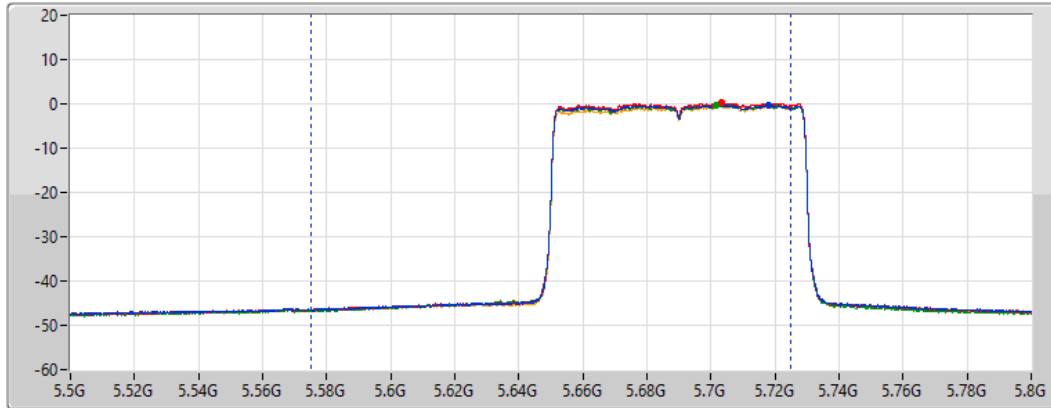
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

30/12/2021

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



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.50	17.48	17.91	17.42	17.08

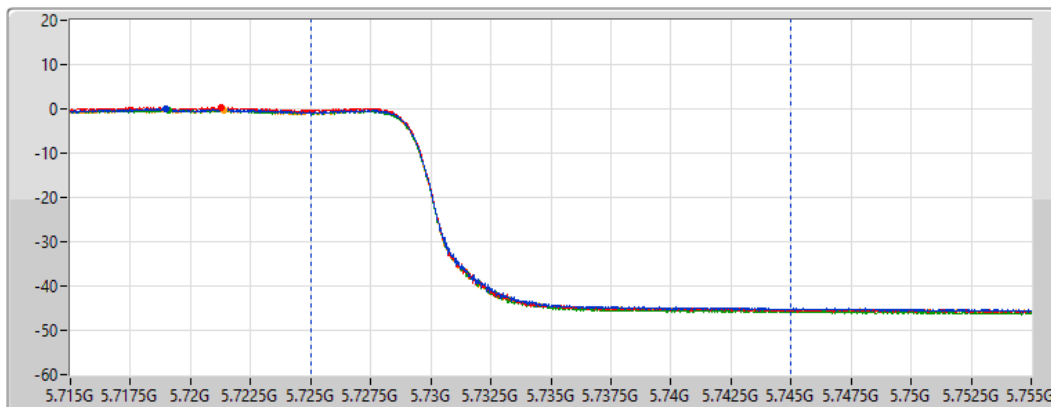
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

30/12/2021

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



Port 1
Port 2
Port 3
Port 4

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
11.11	5.07	5.48	4.91	4.89

For UNII 1 and UNII 2A:

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.75
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.54

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.99	9.84	9.98	9.75	9.72	15.70	17.00
5200MHz	Pass	5.99	10.84	11.06	10.66	10.72	16.75	17.00
5240MHz	Pass	5.99	10.48	10.93	10.60	10.38	16.50	17.00
5260MHz	Pass	6.25	4.76	4.64	4.68	4.34	10.50	10.75
5300MHz	Pass	6.25	4.59	4.66	4.53	4.74	10.54	10.75
5320MHz	Pass	6.25	4.55	4.61	4.43	4.77	10.52	10.75

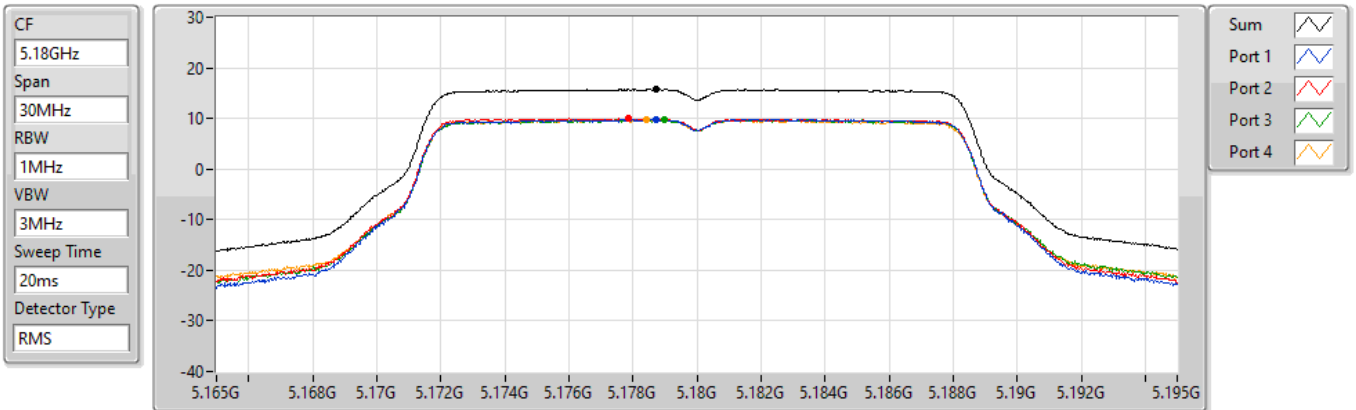
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

29/12/2021

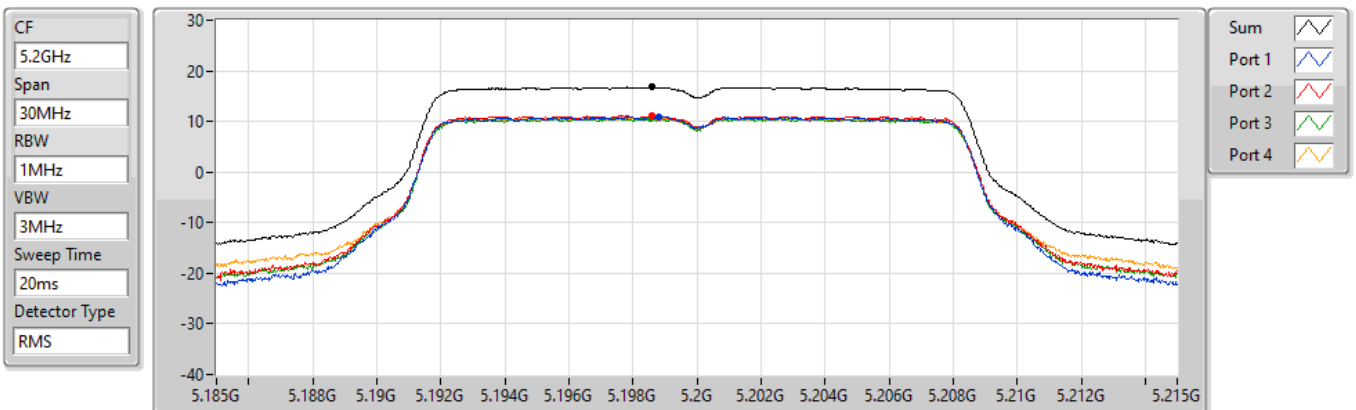


802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

29/12/2021

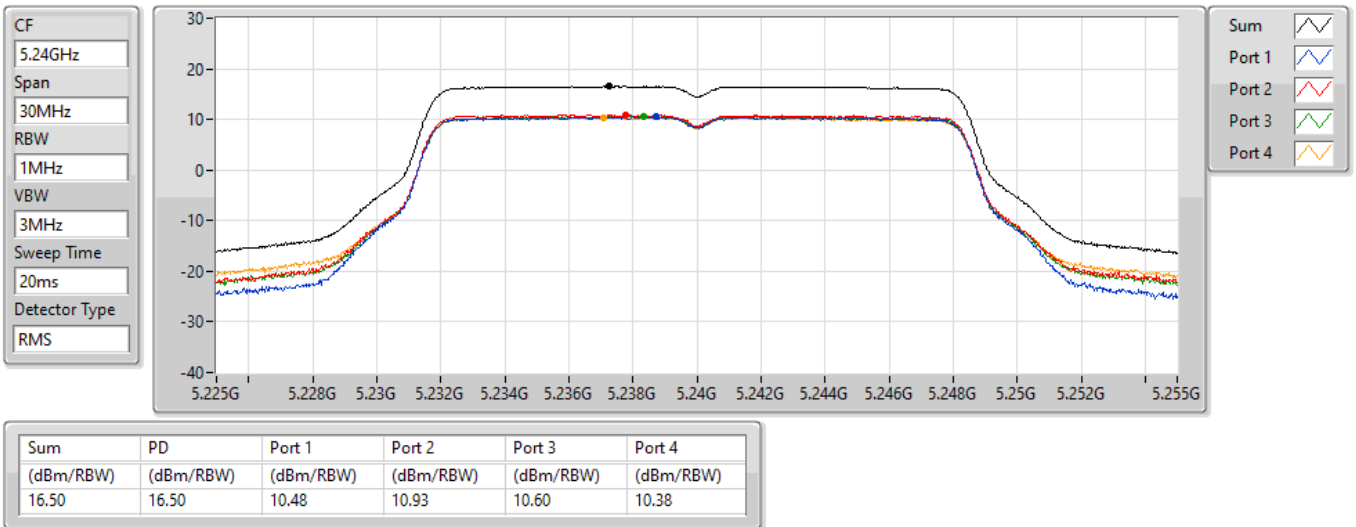


802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

29/12/2021

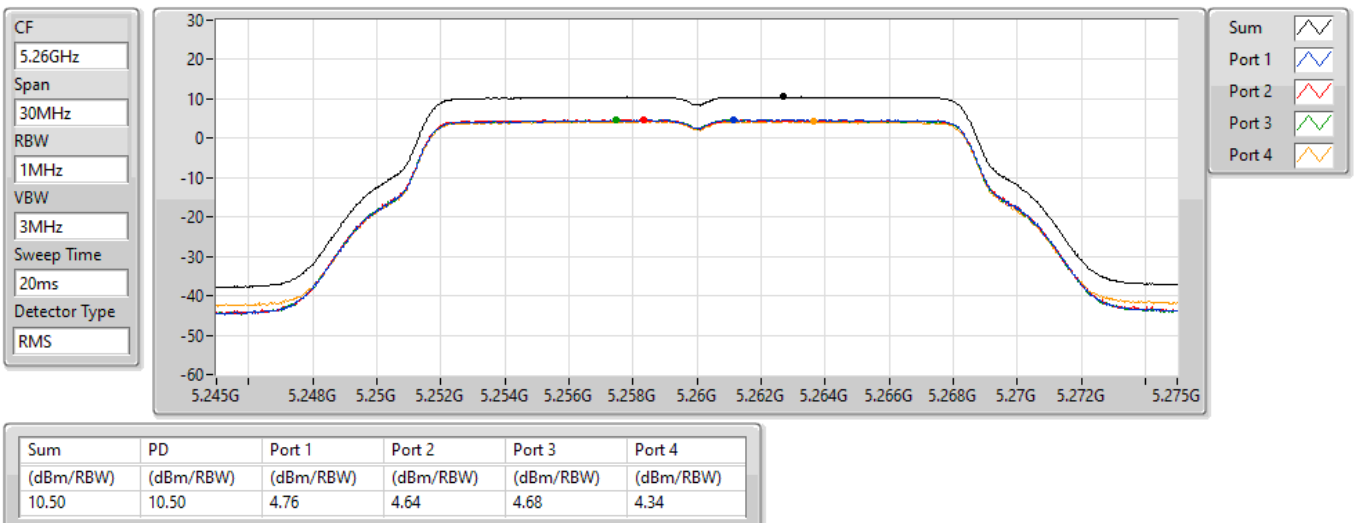


802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

29/12/2021

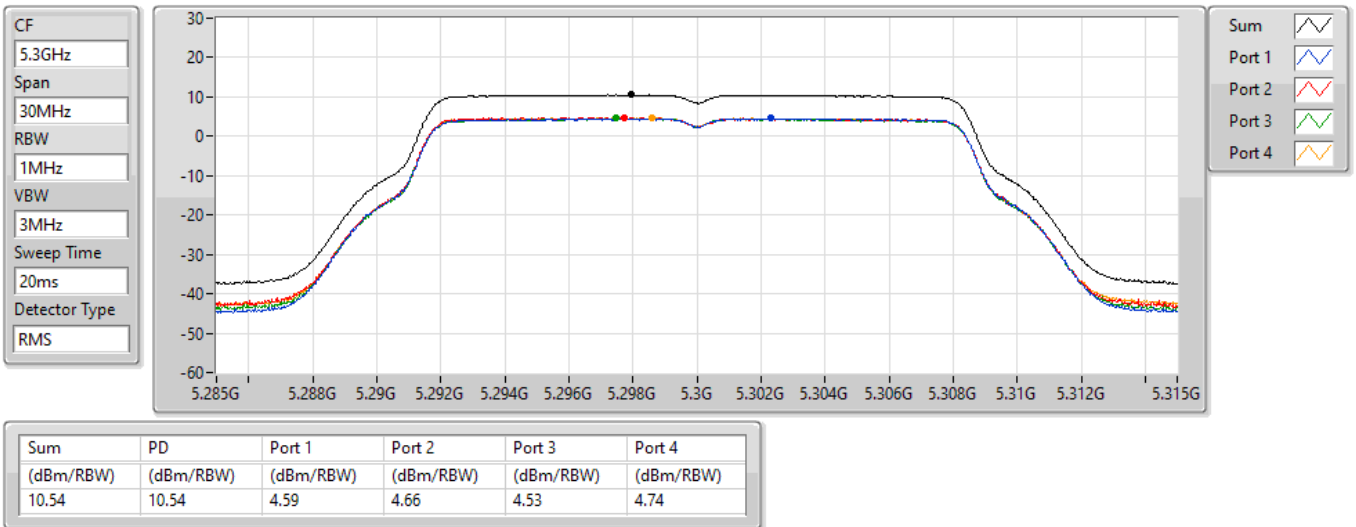


802.11a_Nss1,(6Mbps)_4TX

PSD

5300MHz

29/12/2021

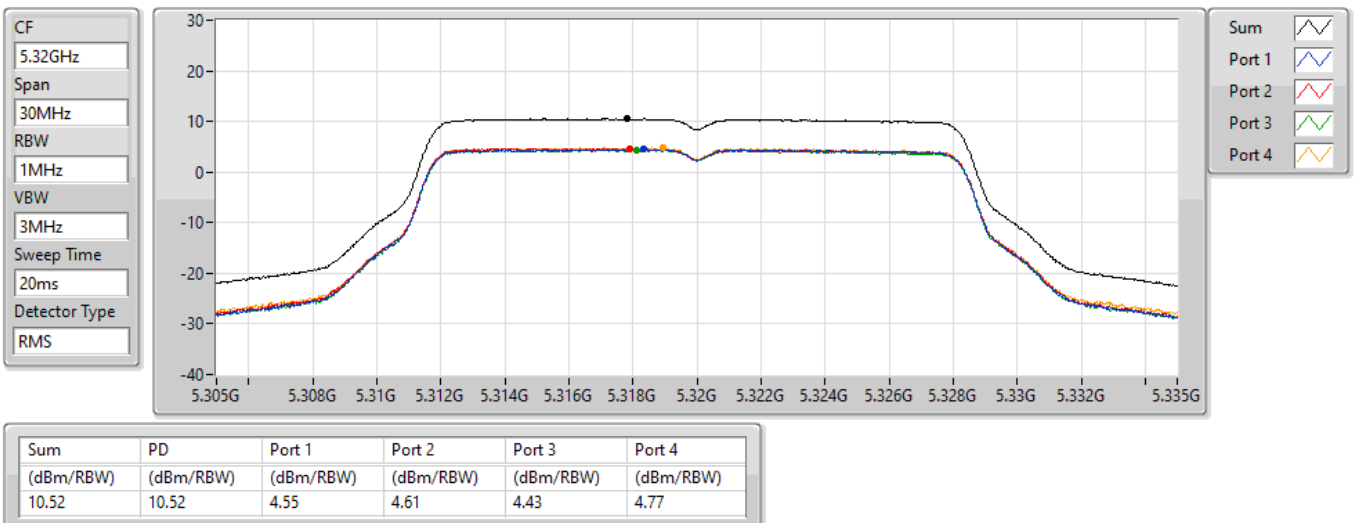


802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

29/12/2021



For UNII 1 and UNII 2A:

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	16.27
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	13.39
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	8.77
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	3.66
5.25-5.35GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.05
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.15
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.36
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	4.10

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.99	10.35	10.50	10.06	10.28	16.27	17.00
5200MHz	Pass	5.99	10.39	10.59	10.18	10.20	16.27	17.00
5240MHz	Pass	5.99	10.24	10.64	10.32	9.97	16.22	17.00
5260MHz	Pass	6.25	4.26	4.25	4.05	3.66	10.05	10.75
5300MHz	Pass	6.25	4.08	4.20	3.77	3.95	9.92	10.75
5320MHz	Pass	6.25	4.05	4.19	3.89	3.88	9.96	10.75
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.99	6.47	6.41	6.56	6.37	12.39	17.00
5230MHz	Pass	5.99	7.48	7.68	7.67	7.13	13.39	17.00
5270MHz	Pass	6.25	1.23	1.29	1.10	0.97	7.07	10.75
5310MHz	Pass	6.25	1.15	1.26	1.09	1.42	7.15	10.75
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.99	3.02	2.68	2.96	2.88	8.77	17.00
5290MHz	Pass	6.25	-1.53	-1.40	-1.44	-1.75	4.36	10.75
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.99	-2.30	-1.98	-2.39	-2.48	3.66	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	6.25	-1.97	-1.72	-1.61	-2.13	4.10	10.75

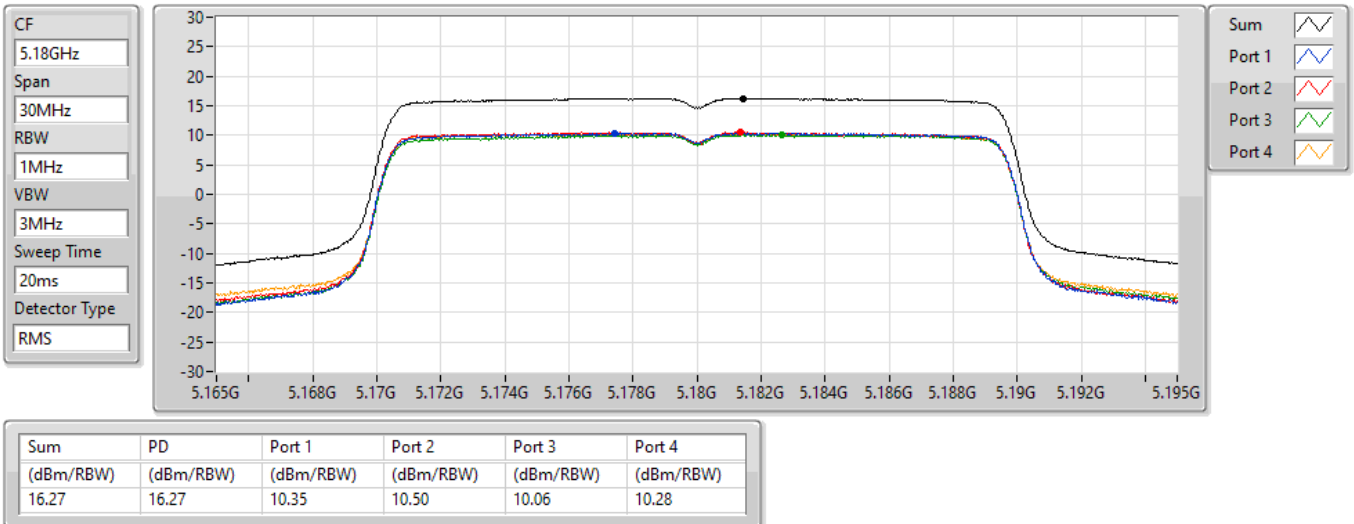
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

29/12/2021

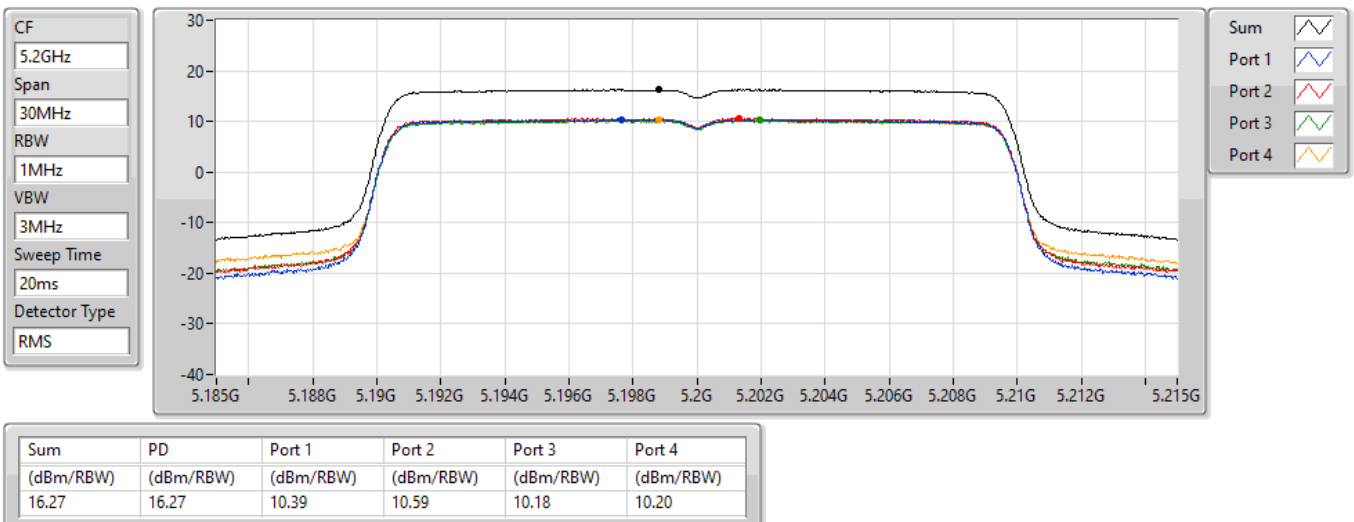


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

29/12/2021

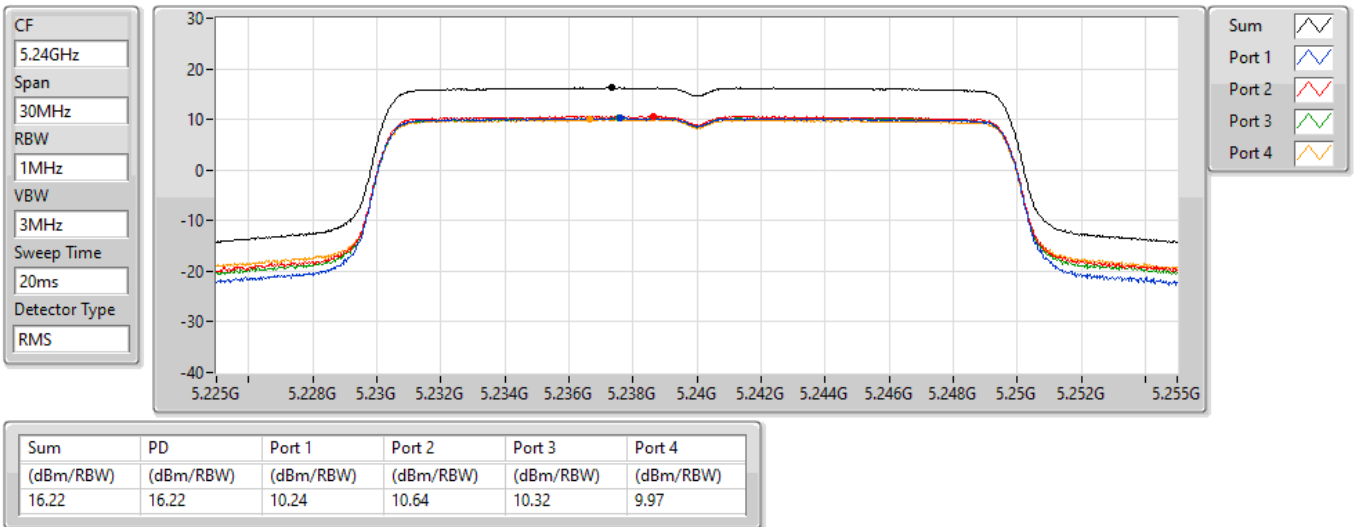


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

29/12/2021

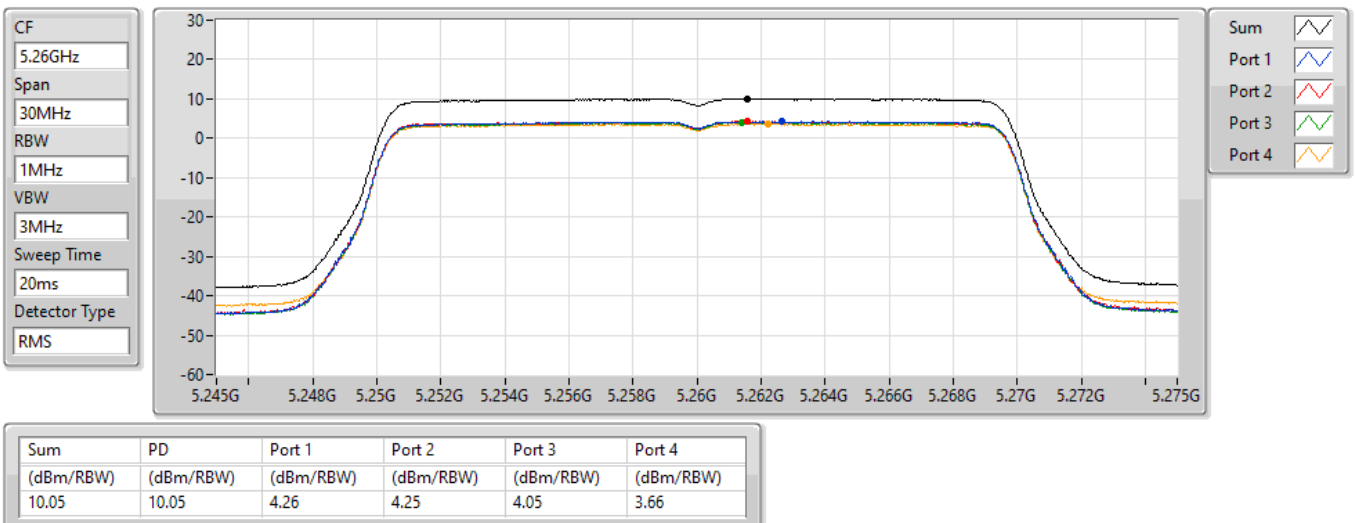


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

30/12/2021

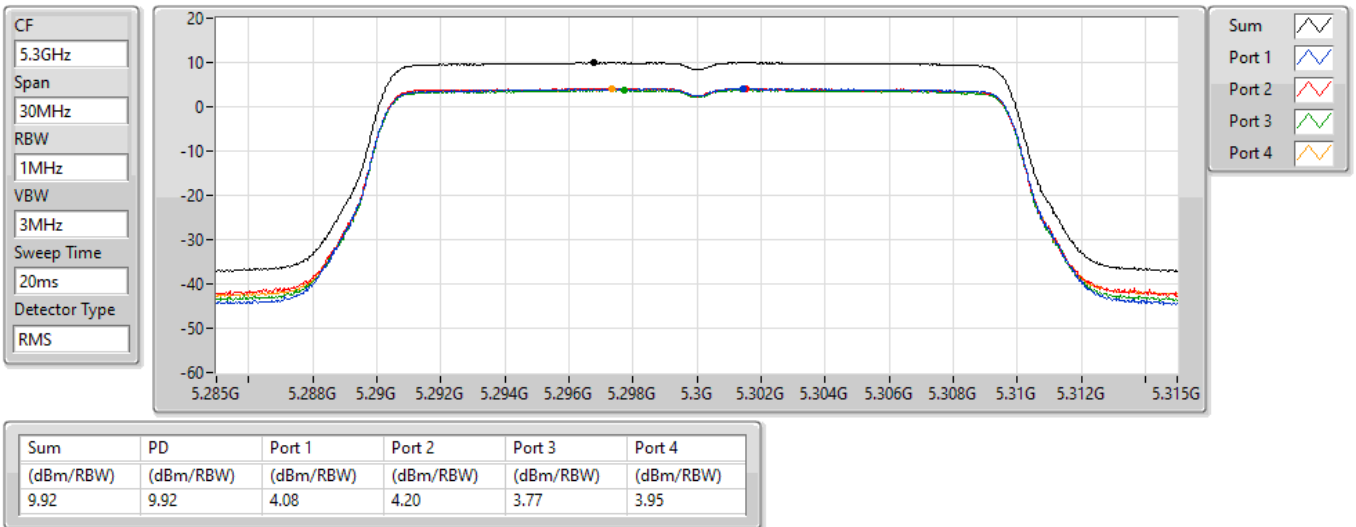


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

30/12/2021

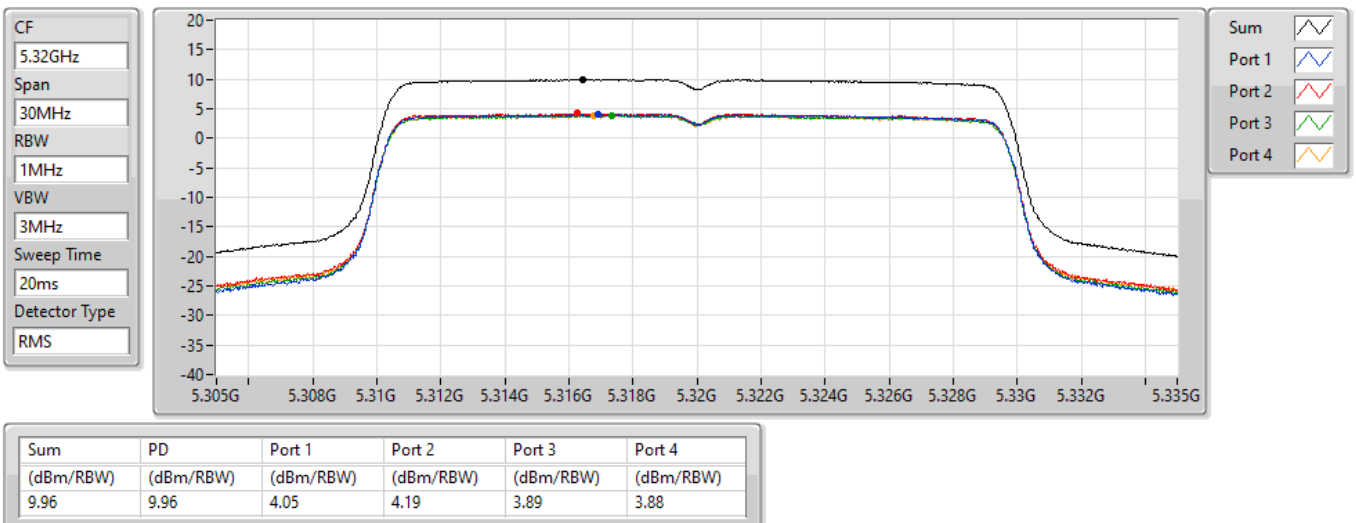


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

30/12/2021

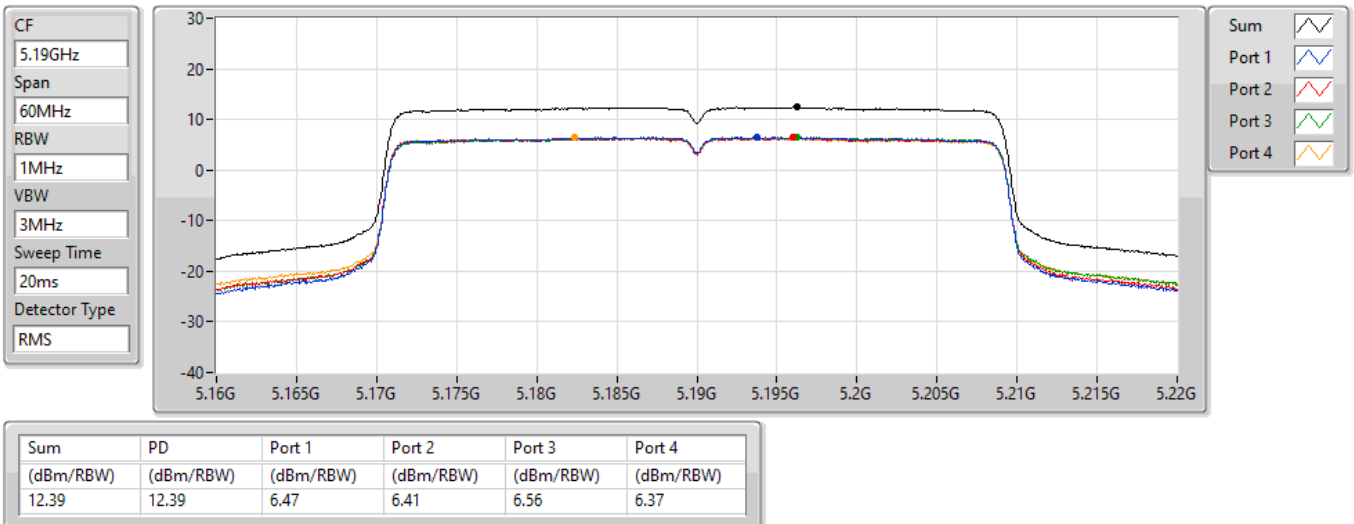


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

30/12/2021

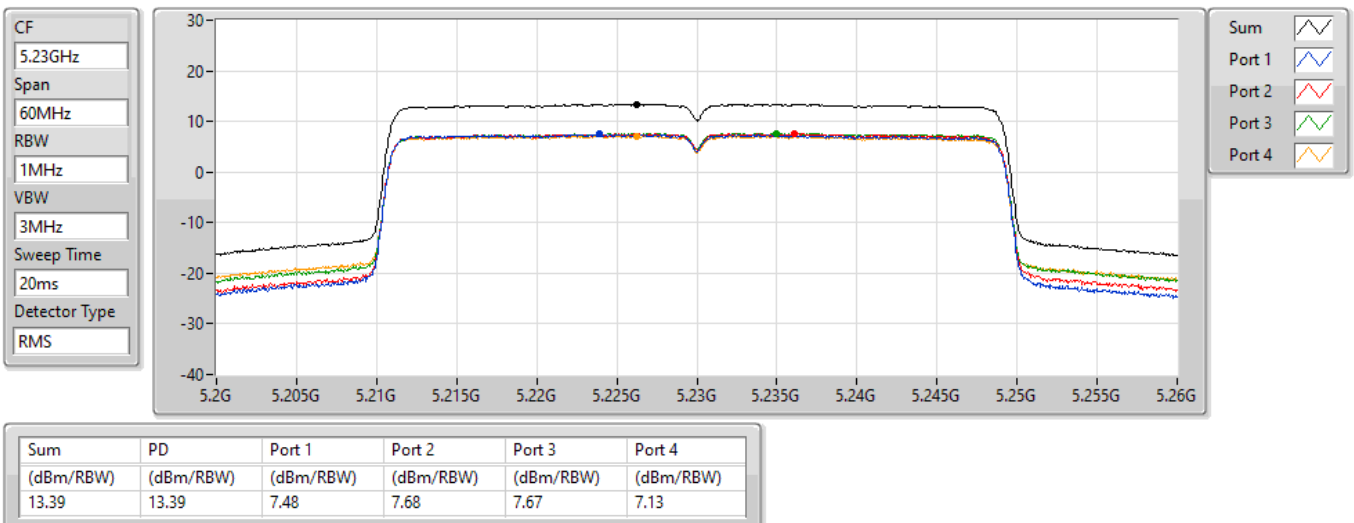


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

30/12/2021

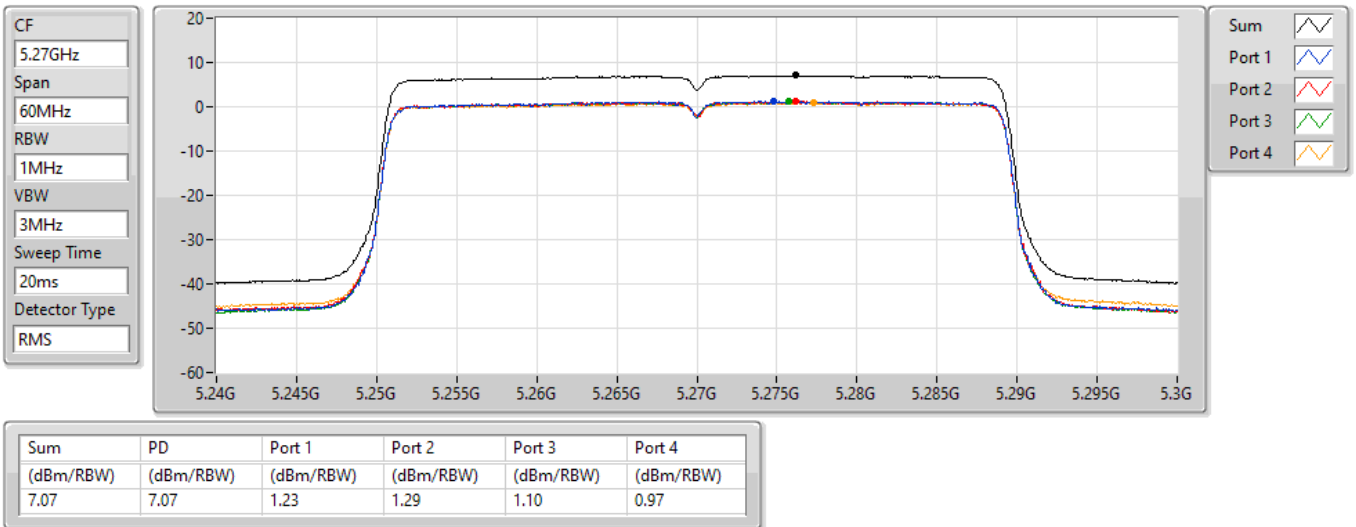


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

30/12/2021

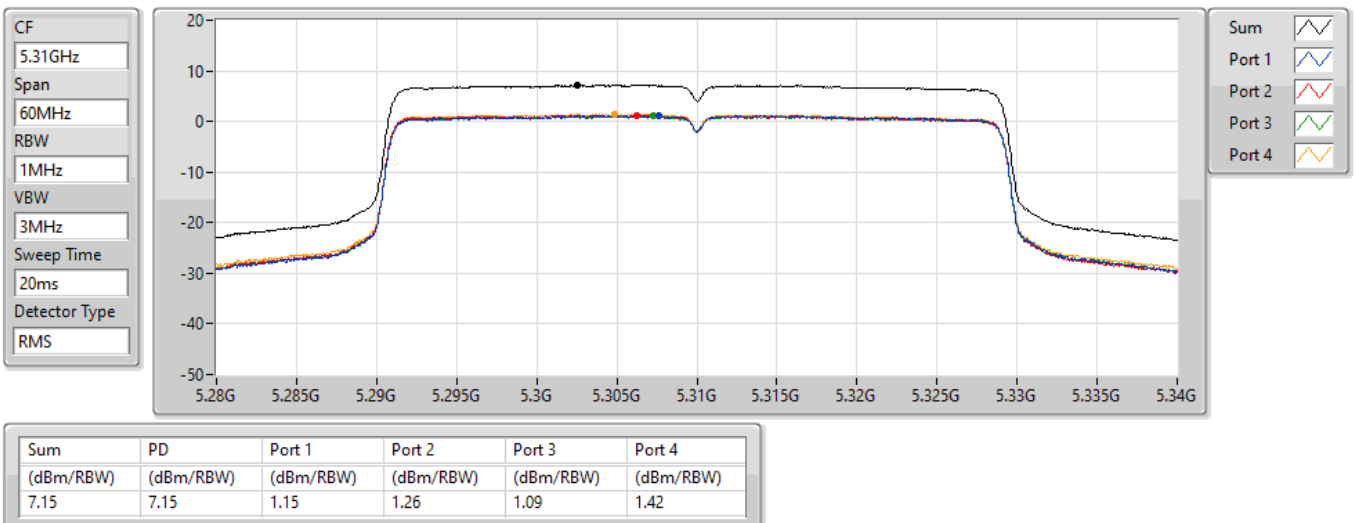


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

30/12/2021

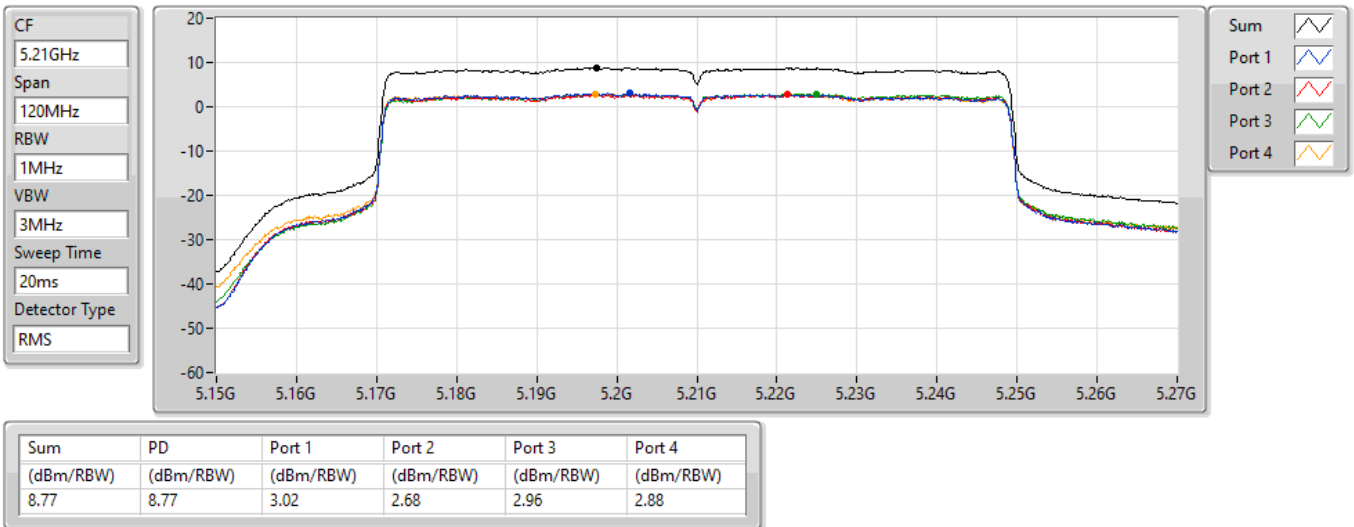


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

30/12/2021

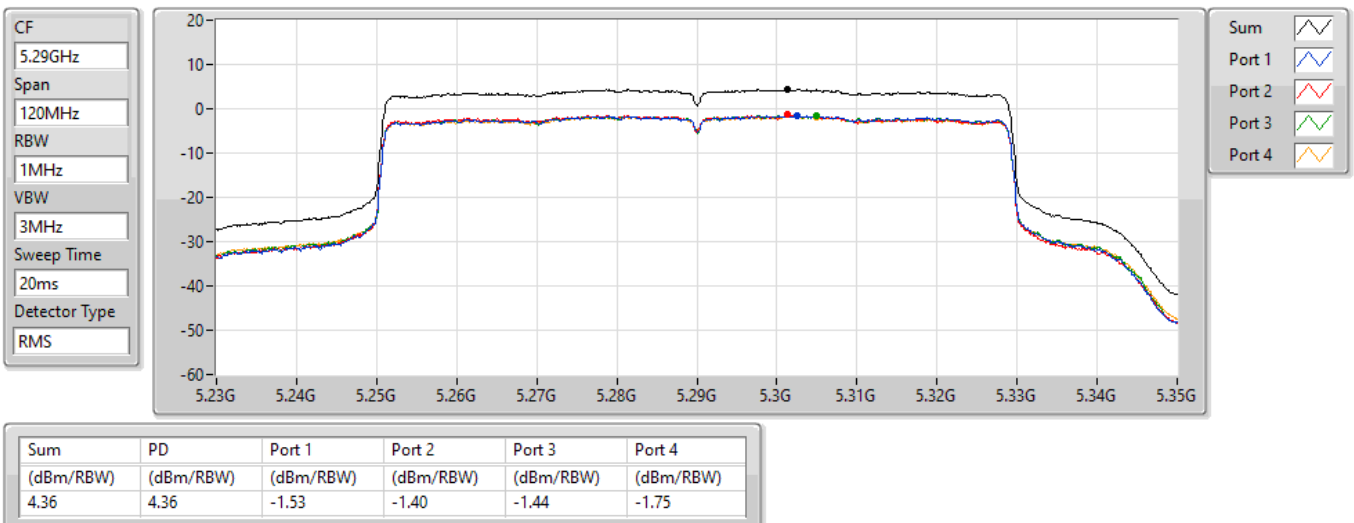


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

30/12/2021

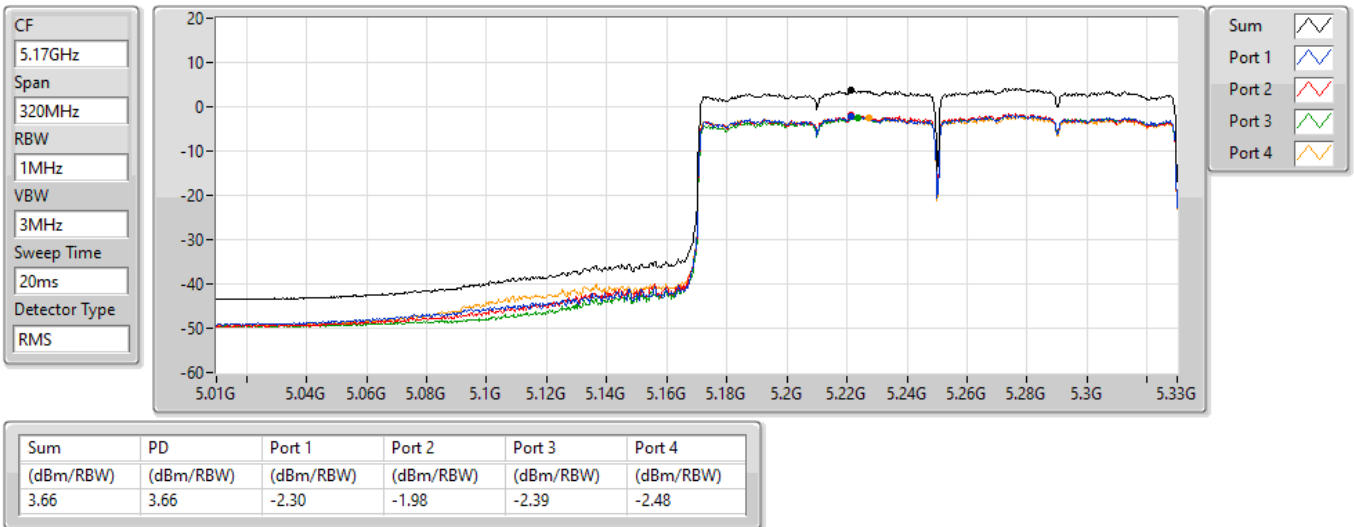


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5250MHz Straddle 5.15-5.25GHz

PSD

30/12/2021

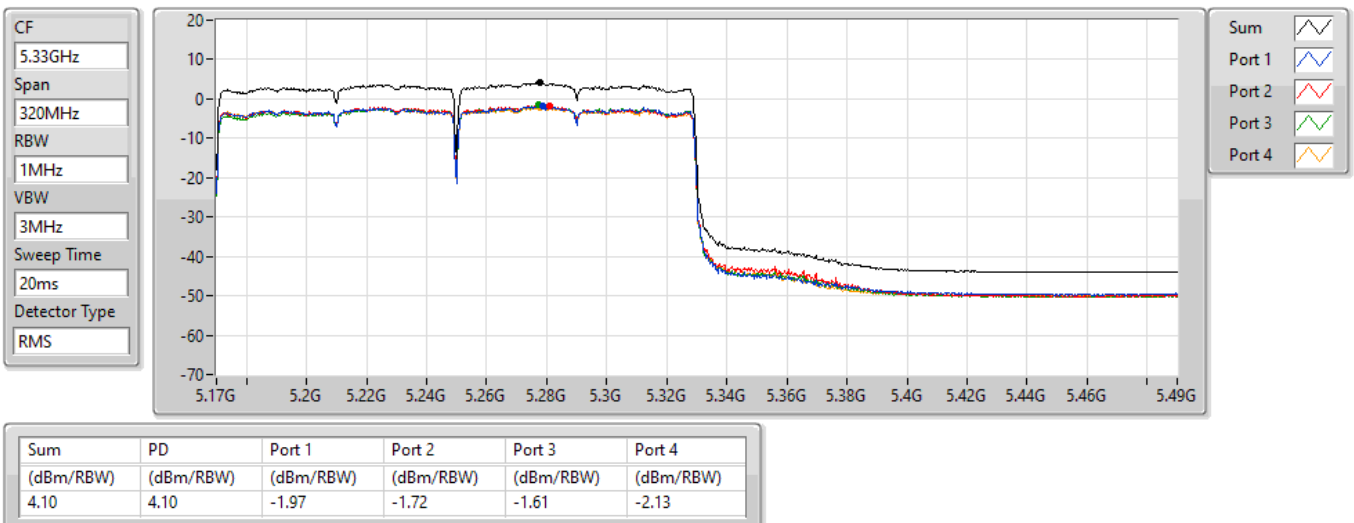


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5250MHz Straddle 5.25-5.35GHz

PSD

30/12/2021



For UNII 2C and UNII 3:

Summary

Mode	PD (dBm/RBW)
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.65
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.24

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	-	-	-	-	-	-	-	-
5500MHz	Pass	6.24	4.58	4.82	4.40	4.39	10.46	10.76
5580MHz	Pass	6.24	4.51	4.90	4.56	4.49	10.55	10.76
5700MHz	Pass	6.24	4.68	5.18	4.59	4.41	10.65	10.76
5720MHz Straddle 5.47-5.725GHz	Pass	6.24	4.71	5.13	4.47	4.39	10.59	10.76
5720MHz Straddle 5.725-5.85GHz	Pass	6.26	3.15	3.48	2.71	2.76	8.98	29.74
5745MHz	Pass	6.26	9.31	9.77	9.13	9.17	15.24	29.74
5785MHz	Pass	6.26	9.13	9.42	9.01	8.88	14.99	29.74
5825MHz	Pass	6.26	9.16	9.38	9.08	8.73	15.01	29.74

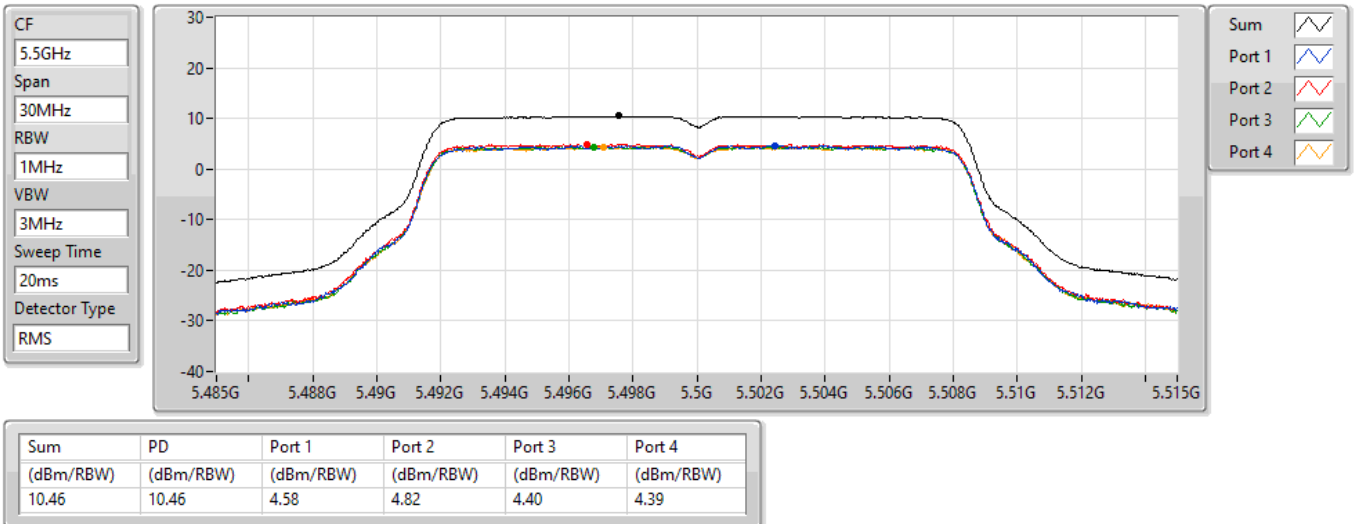
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

30/12/2021

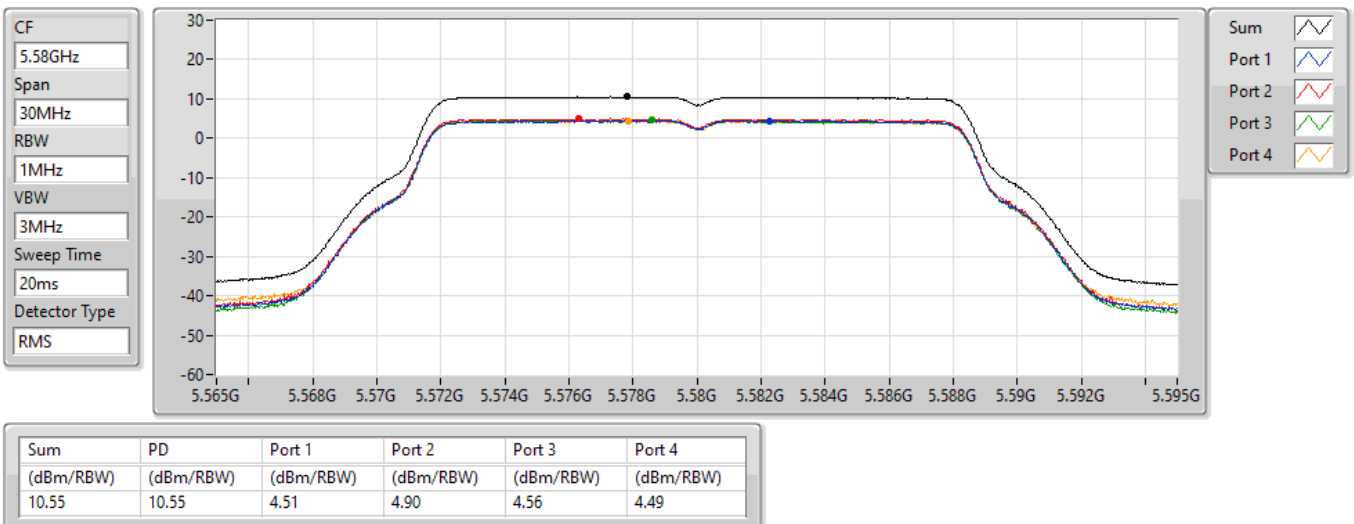


802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

30/12/2021

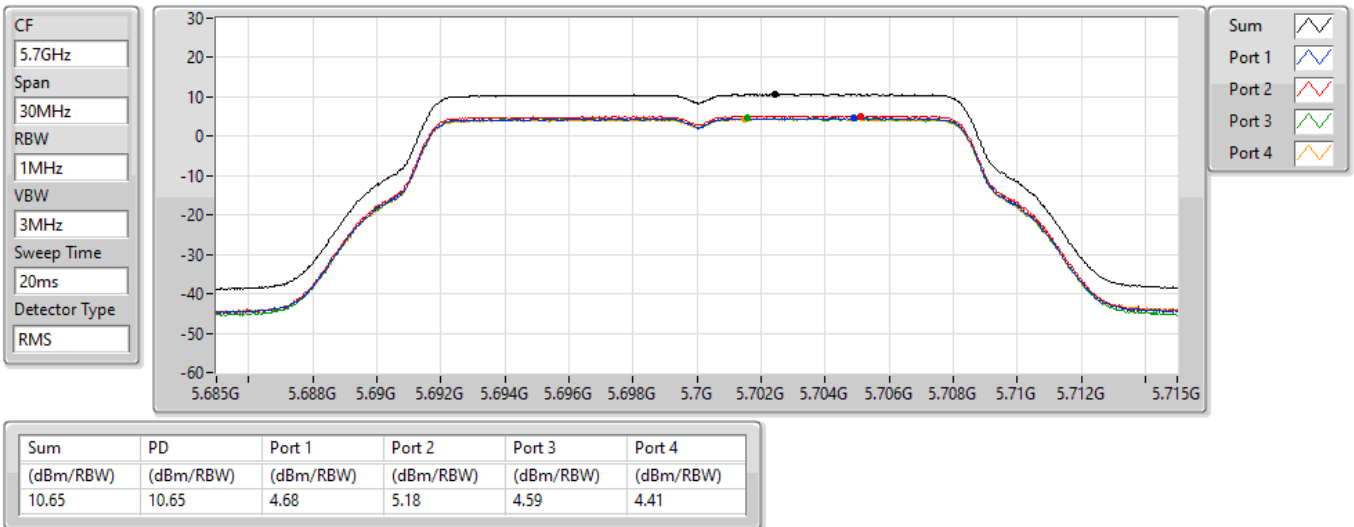


802.11a_Nss1,(6Mbps)_4TX

PSD

5700MHz

30/12/2021

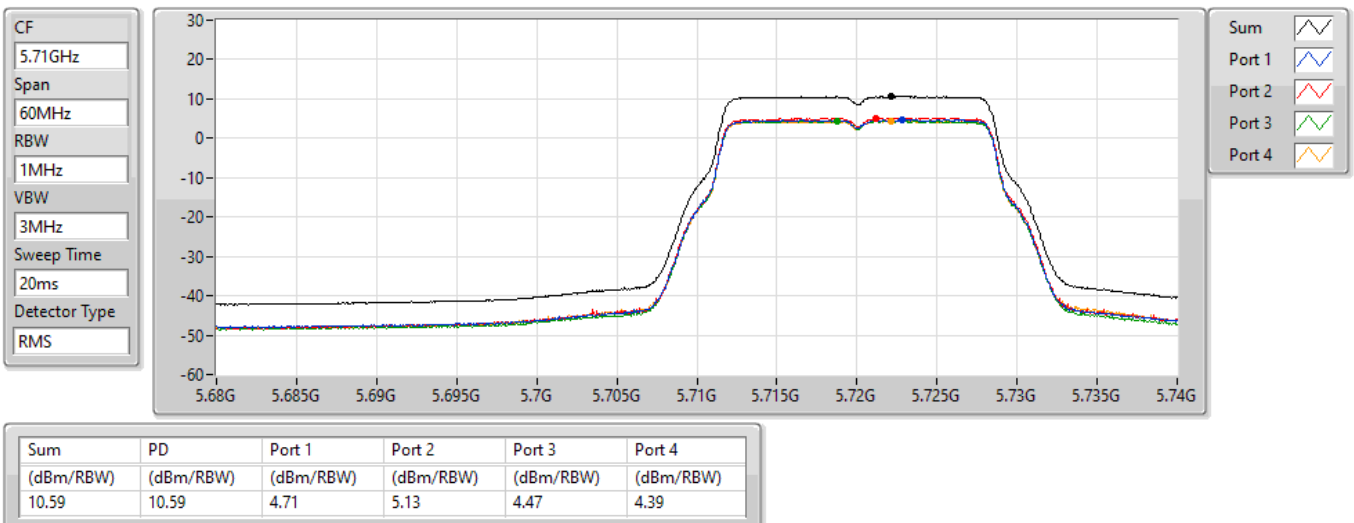


802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

30/12/2021

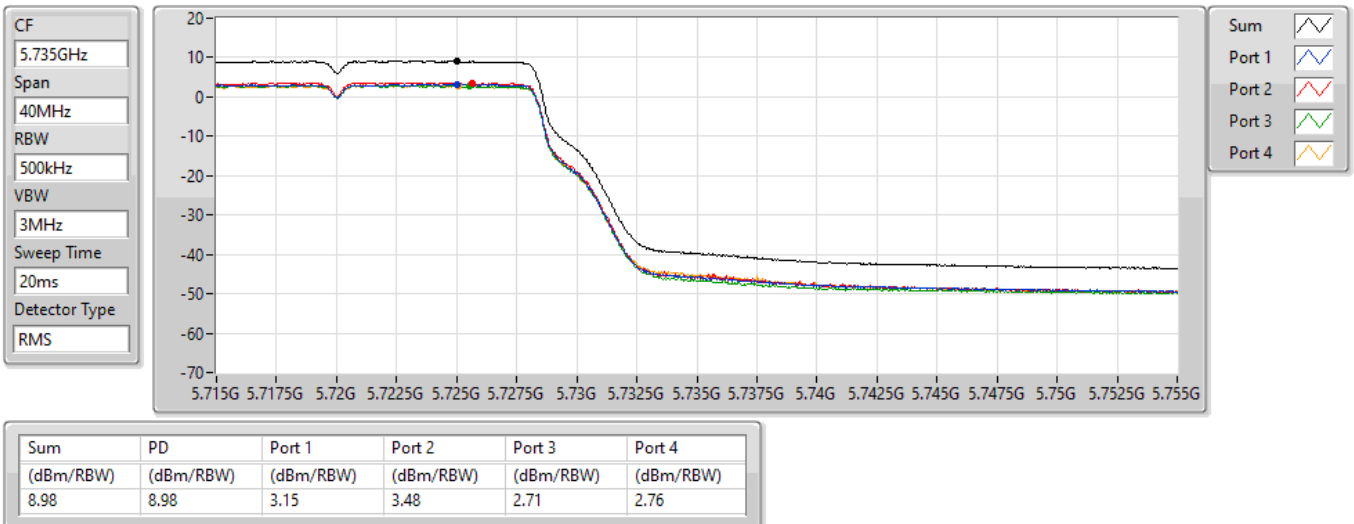


802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

30/12/2021

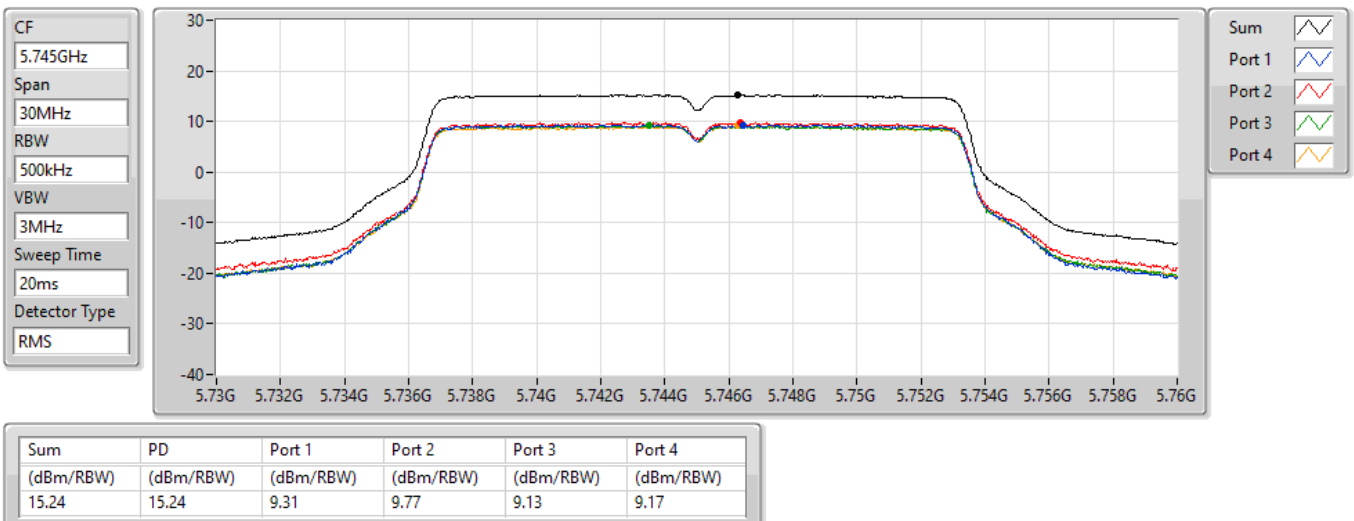


802.11a_Nss1,(6Mbps)_4TX

5745MHz

PSD

30/12/2021

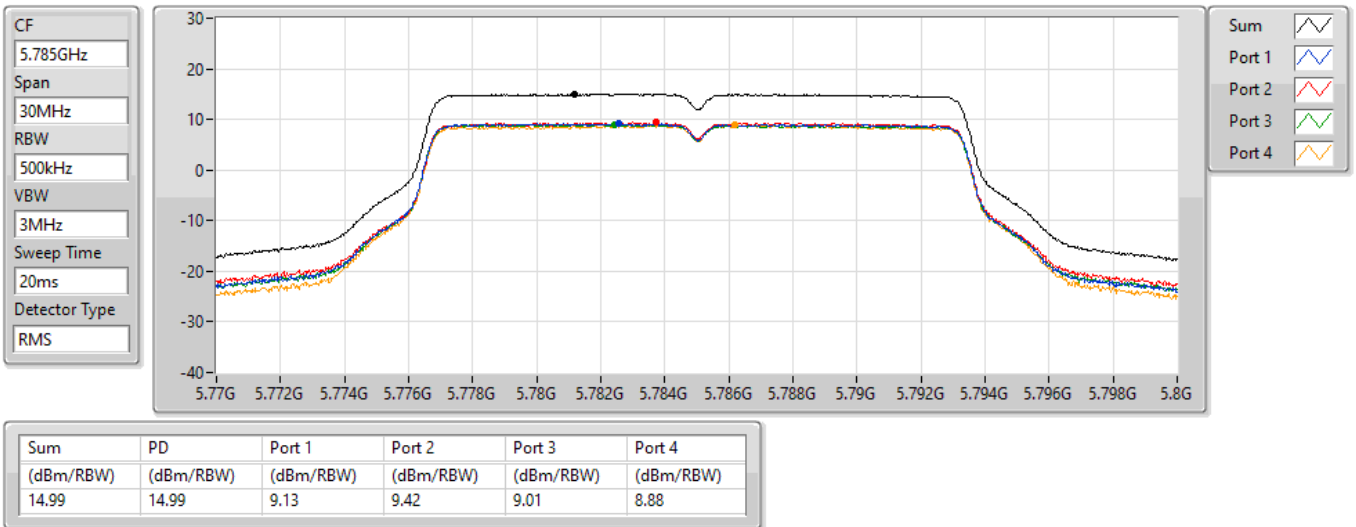


802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

30/12/2021

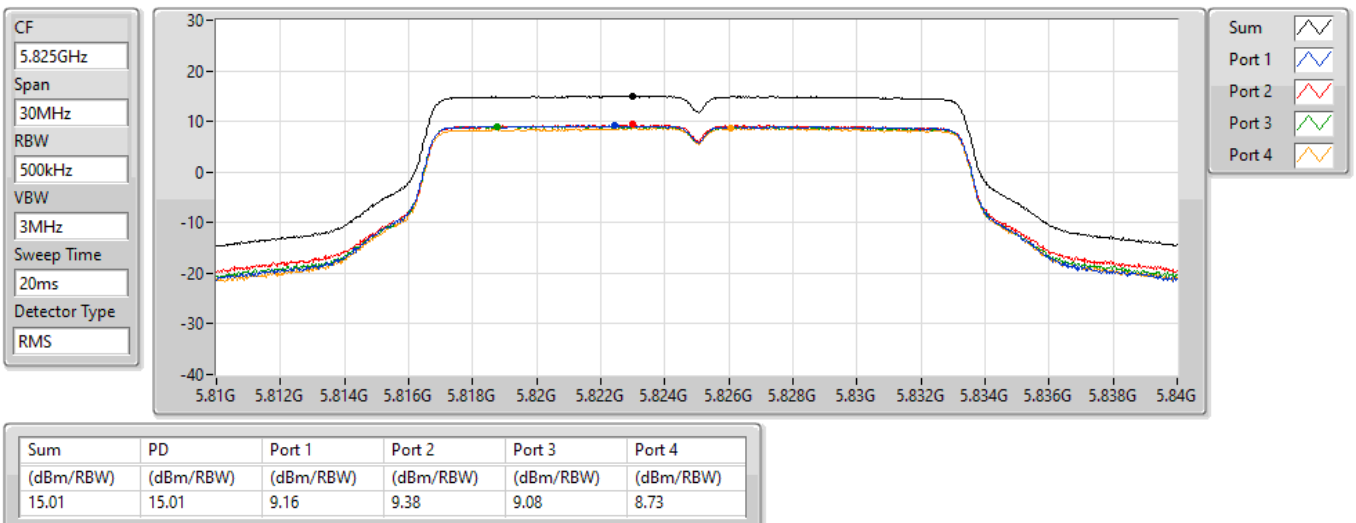


802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

30/12/2021



For UNII 2C and UNII 3:

Summary

Mode	PD (dBm/RBW)
5.47-5.725GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.08
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.48
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.35
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	2.01
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	14.46
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	11.53
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	8.70

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	-	-	-	-	-	-	-	-
5500MHz	Pass	6.24	3.78	4.27	3.65	3.79	9.80	10.76
5580MHz	Pass	6.24	3.61	4.19	3.72	3.60	9.72	10.76
5700MHz	Pass	6.24	3.93	4.32	3.73	3.68	9.86	10.76
5720MHz Straddle 5.47-5.725GHz	Pass	6.24	4.20	4.58	3.96	3.81	10.08	10.76
5720MHz Straddle 5.725-5.85GHz	Pass	6.26	2.55	3.11	2.41	2.23	8.53	29.74
5745MHz	Pass	6.26	8.56	8.89	8.30	8.19	14.36	29.74
5785MHz	Pass	6.26	8.58	8.50	8.33	8.10	14.30	29.74
5825MHz	Pass	6.26	8.85	8.72	8.67	8.08	14.46	29.74
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5510MHz	Pass	6.24	1.17	1.41	1.11	1.03	7.12	10.76
5550MHz	Pass	6.24	1.03	1.50	0.98	0.85	7.02	10.76
5670MHz	Pass	6.24	1.02	1.29	0.90	0.55	6.89	10.76
5710MHz Straddle 5.47-5.725GHz	Pass	6.24	1.66	2.04	1.42	1.22	7.48	10.76
5710MHz Straddle 5.725-5.85GHz	Pass	6.26	-0.16	0.36	-0.37	-0.33	5.80	29.74
5755MHz	Pass	6.26	5.88	5.81	5.50	5.37	11.53	29.74
5795MHz	Pass	6.26	5.79	5.82	5.58	5.30	11.53	29.74
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5530MHz	Pass	6.24	-2.00	-1.69	-1.99	-2.11	3.93	10.76
5610MHz	Pass	6.24	-1.57	-1.28	-1.59	-1.85	4.35	10.76
5690MHz Straddle 5.47-5.725GHz	Pass	6.24	-1.59	-1.23	-1.70	-1.84	4.32	10.76
5690MHz Straddle 5.725-5.85GHz	Pass	6.26	-3.15	-2.73	-3.31	-3.28	2.83	29.74
5775MHz	Pass	6.26	2.89	3.09	2.97	2.42	8.70	29.74
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5570MHz	Pass	6.24	-3.83	-3.75	-3.73	-4.14	2.01	10.76

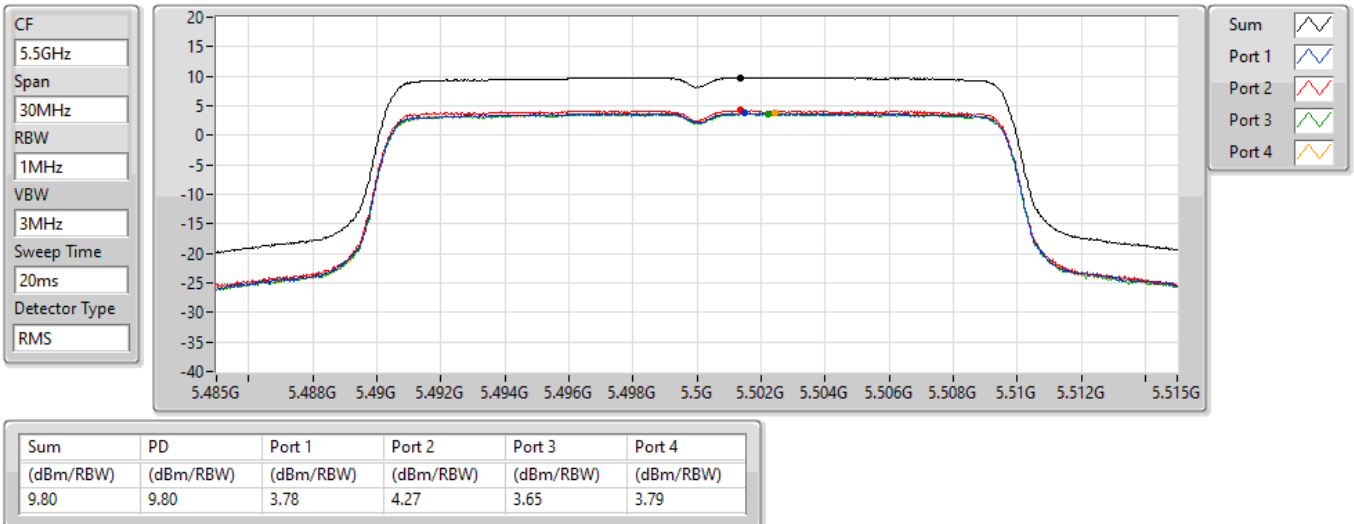
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

30/12/2021

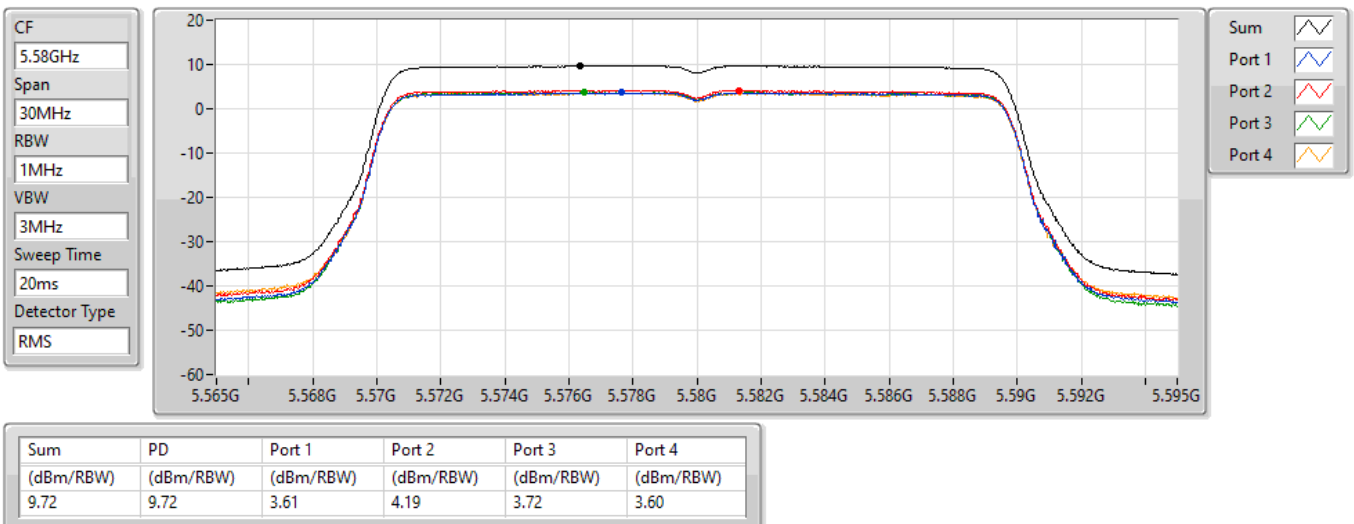


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

30/12/2021

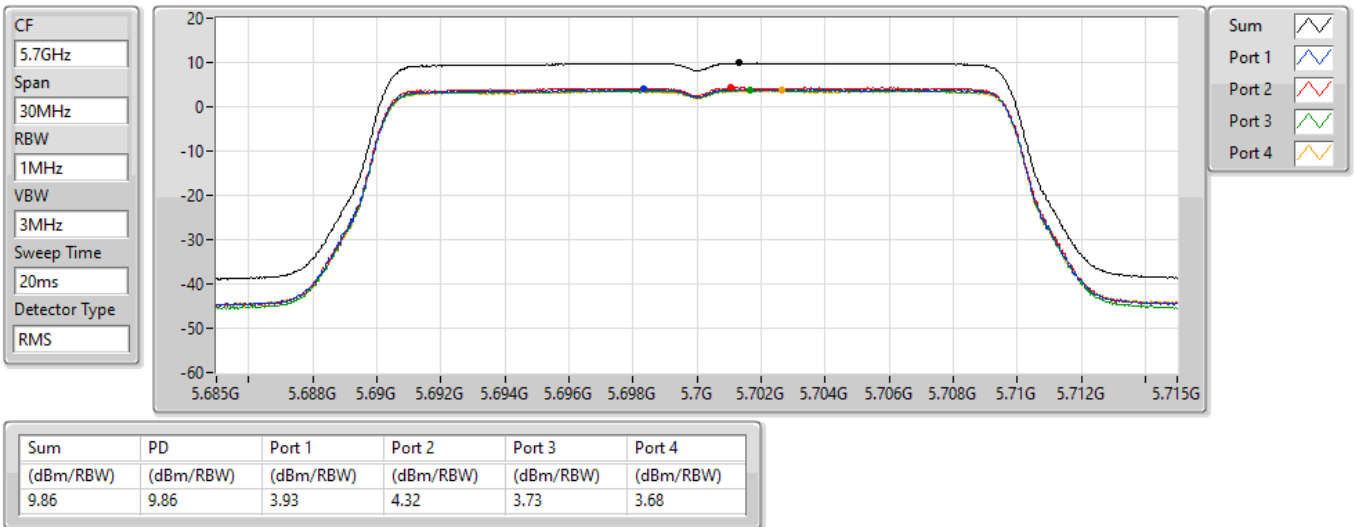


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

30/12/2021

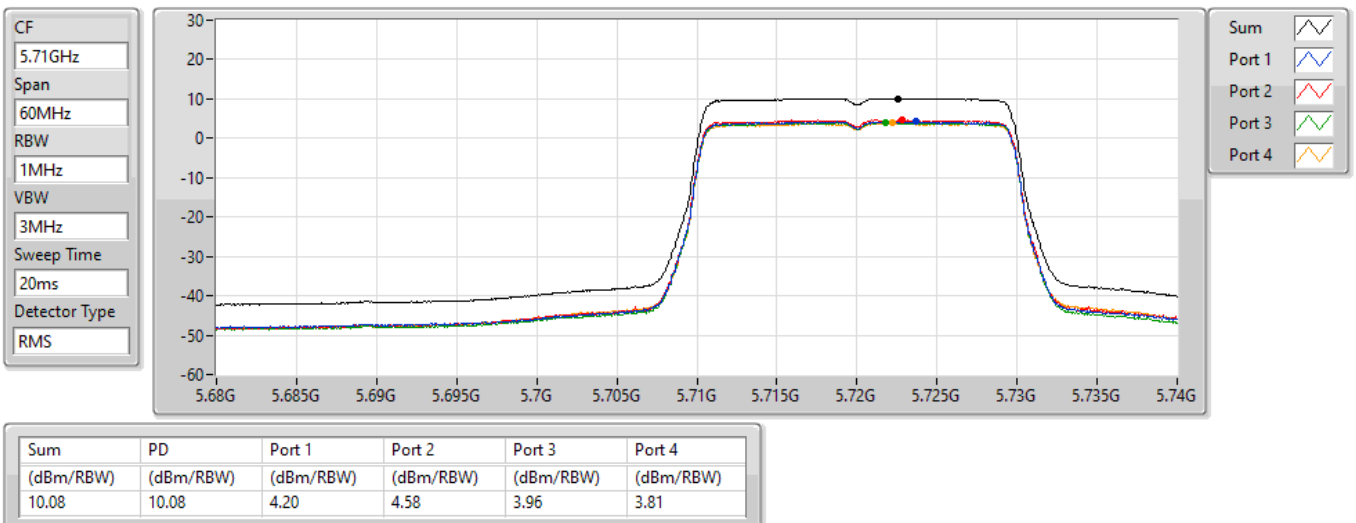


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

30/12/2021

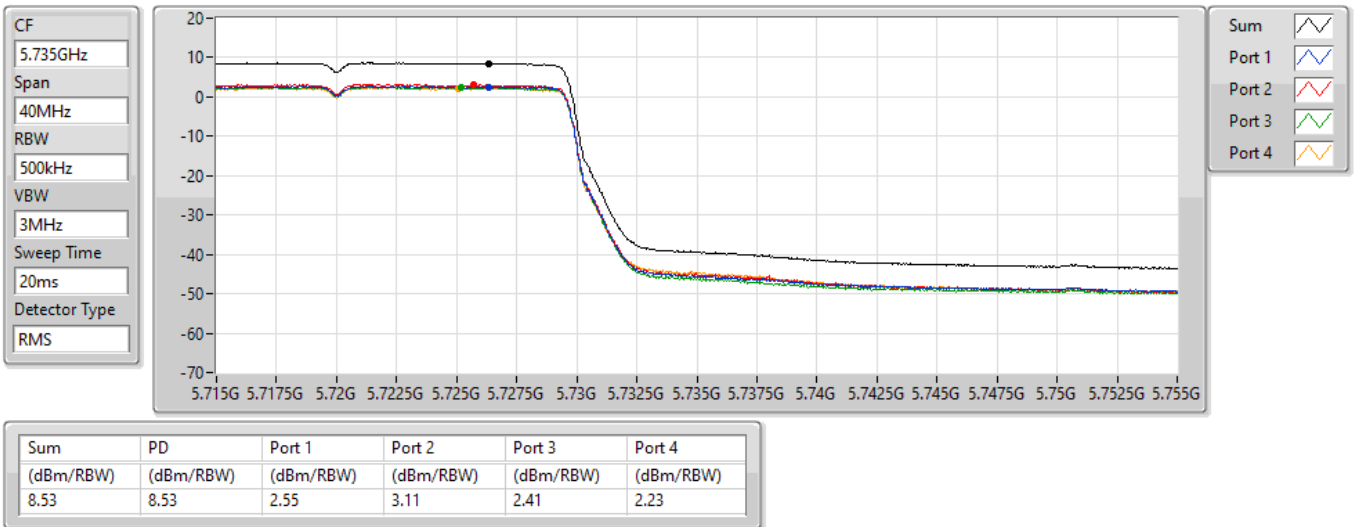


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

30/12/2021

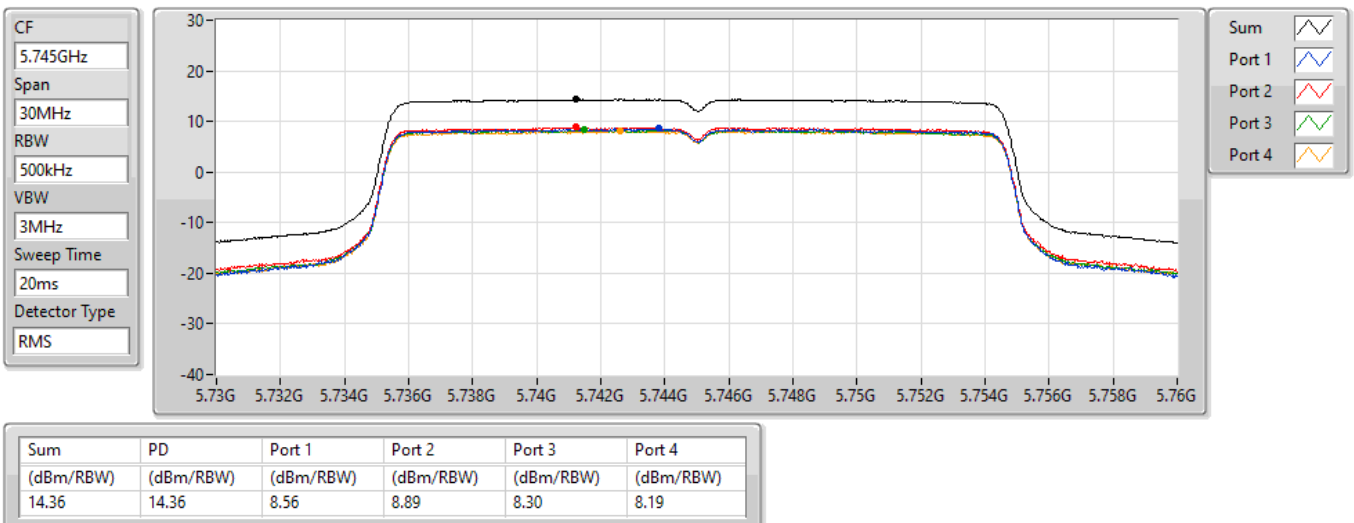


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

30/12/2021

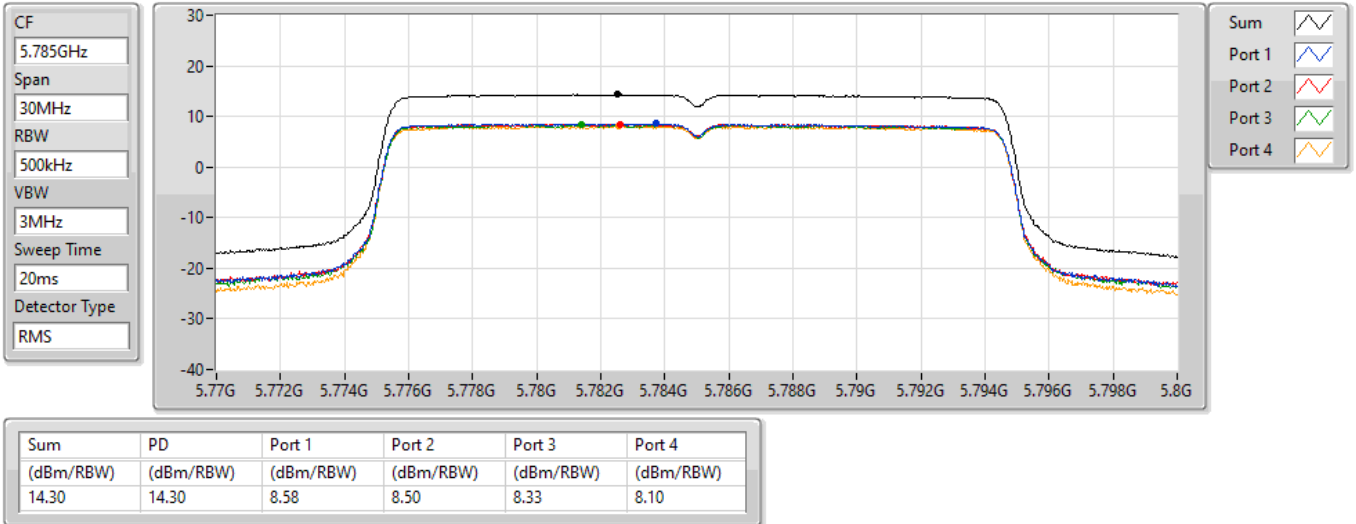


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

30/12/2021

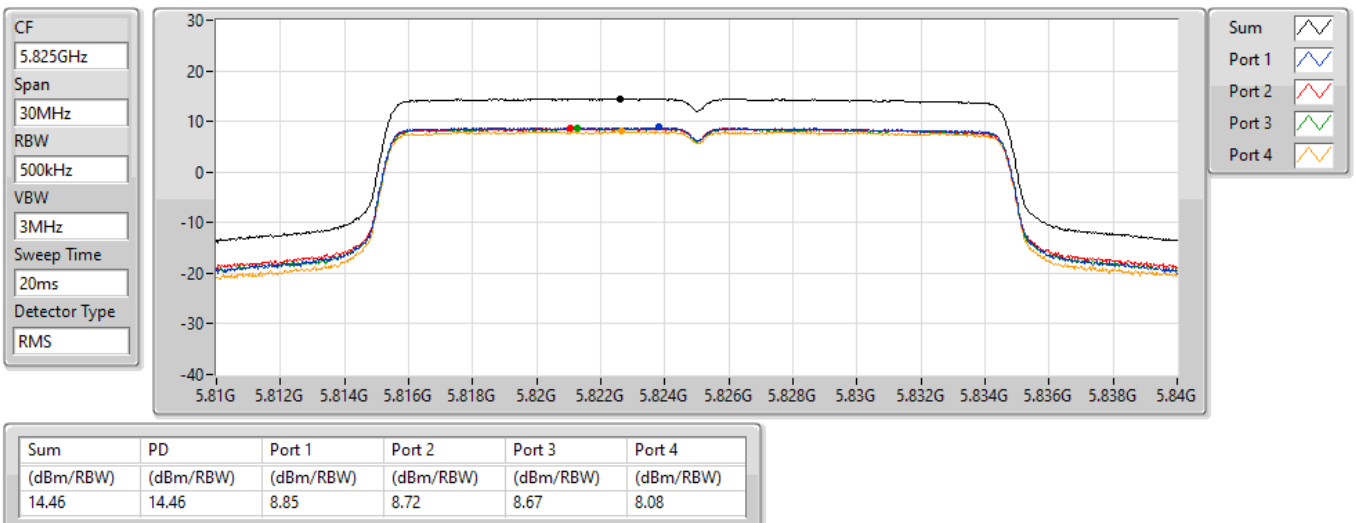


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

30/12/2021

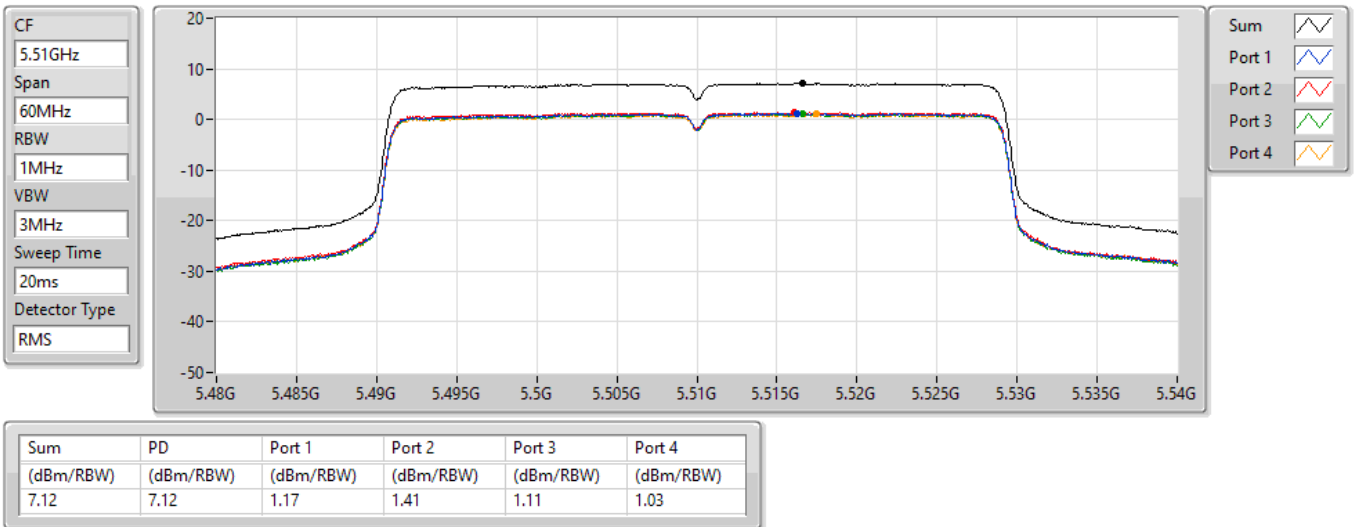


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

30/12/2021

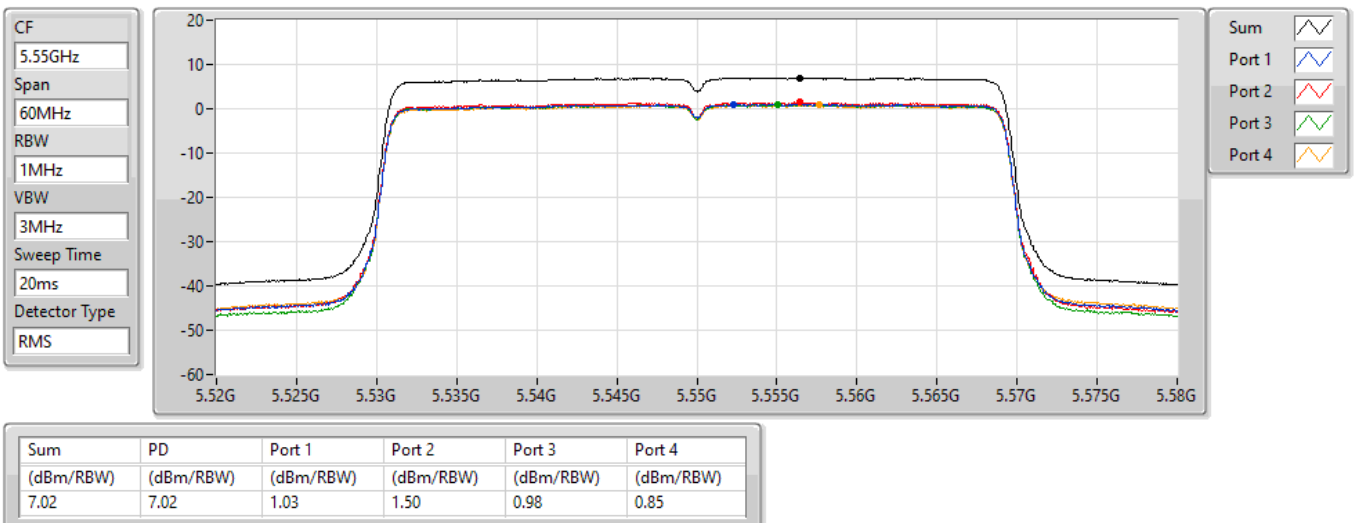


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

30/12/2021

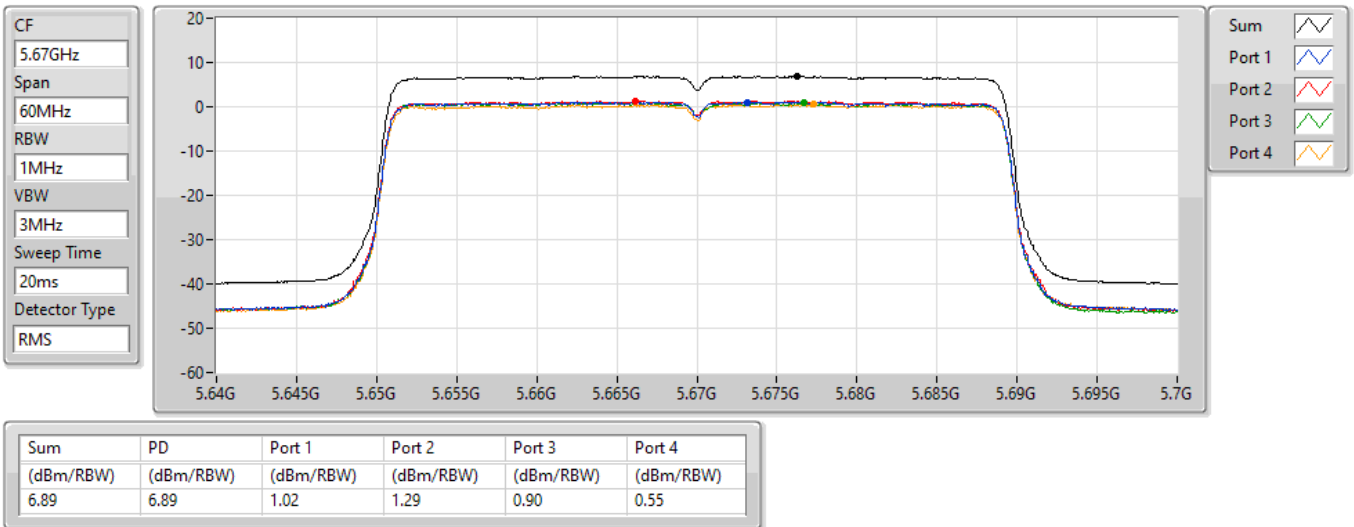


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

30/12/2021

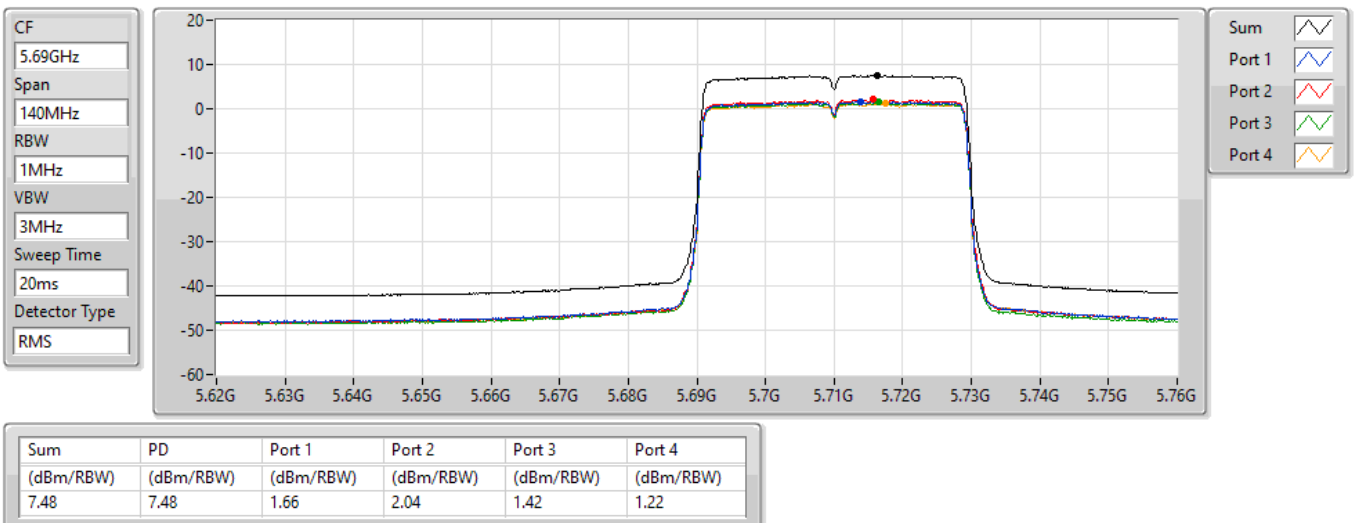


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

30/12/2021

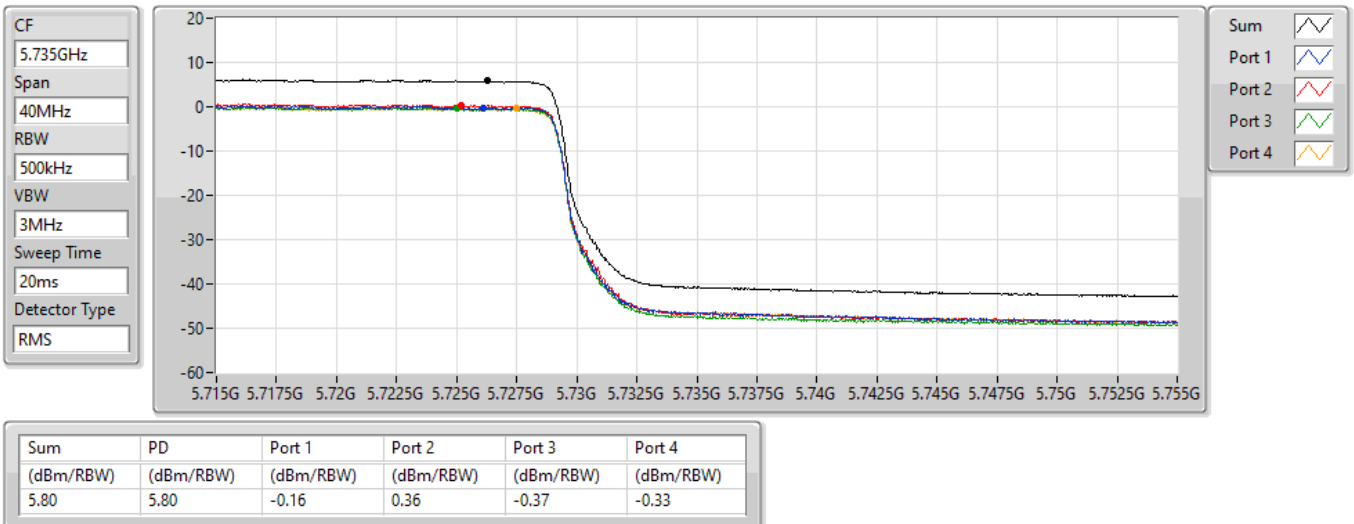


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

30/12/2021

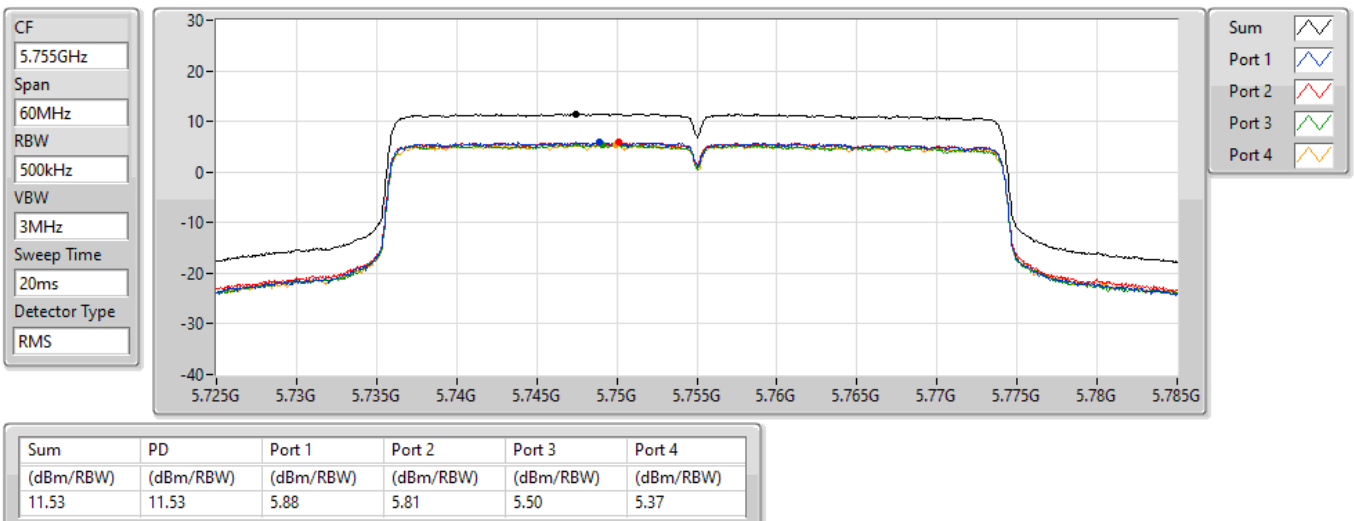


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

30/12/2021

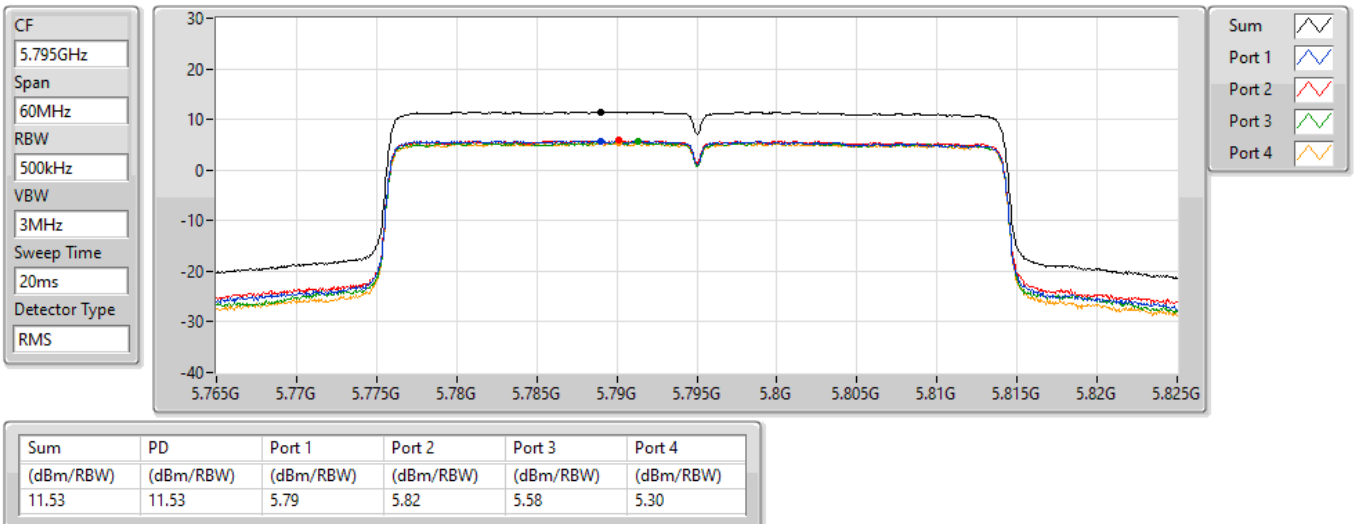


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

30/12/2021

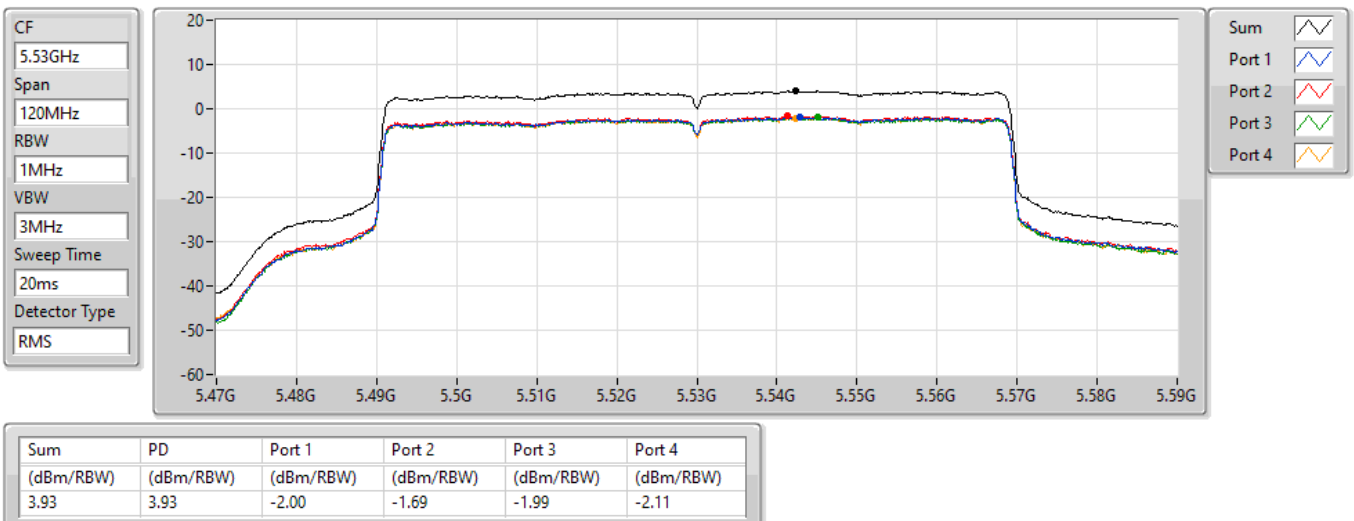


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

30/12/2021

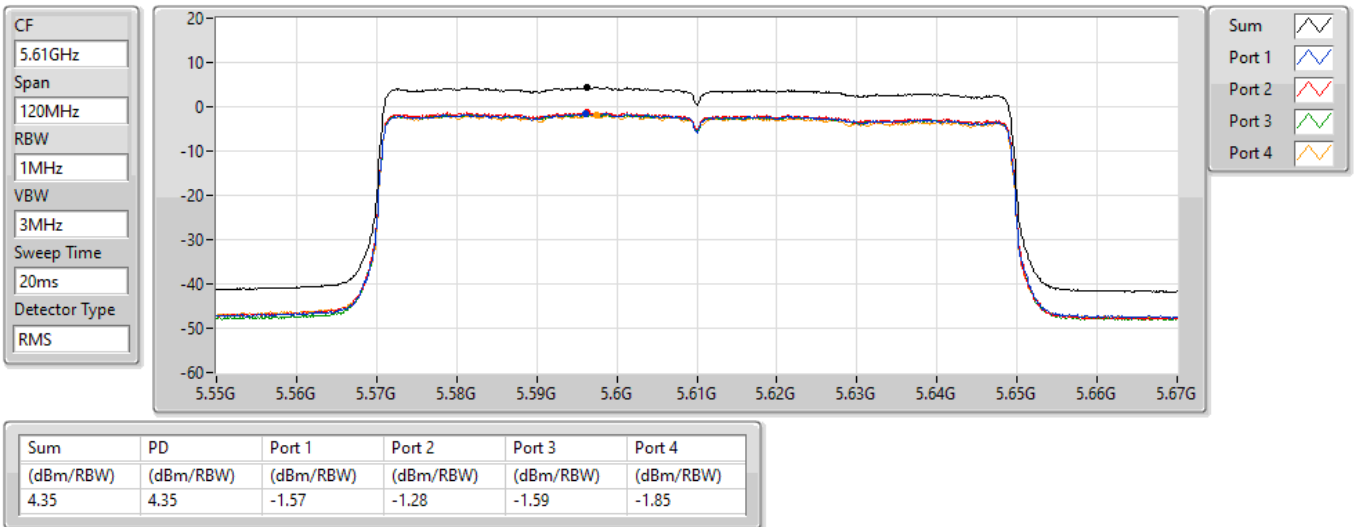


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

30/12/2021

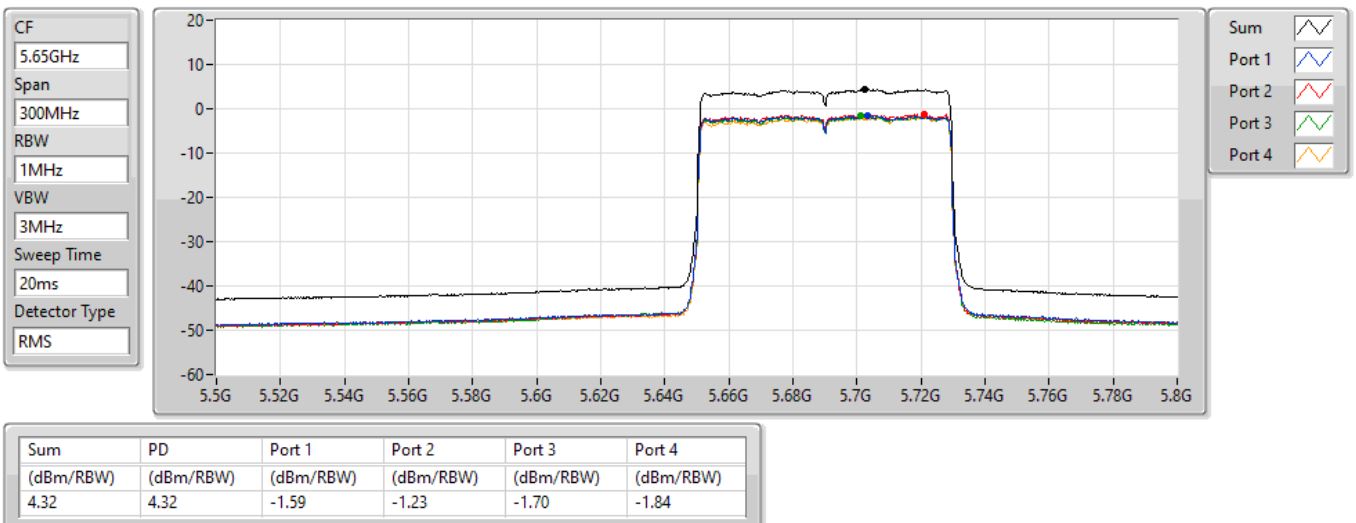


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

30/12/2021

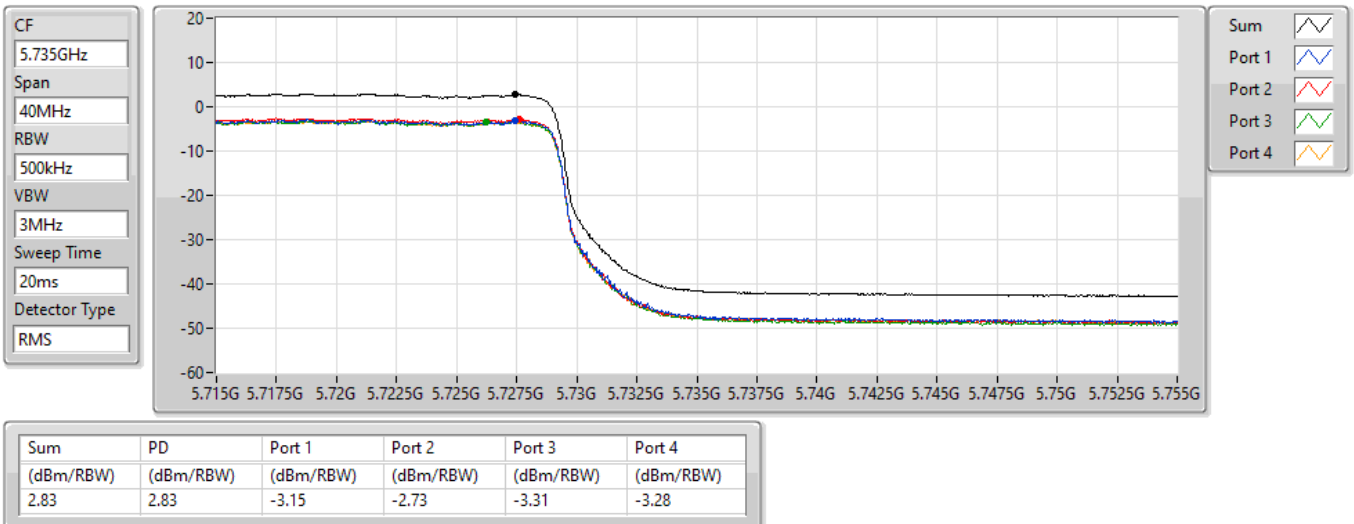


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

30/12/2021

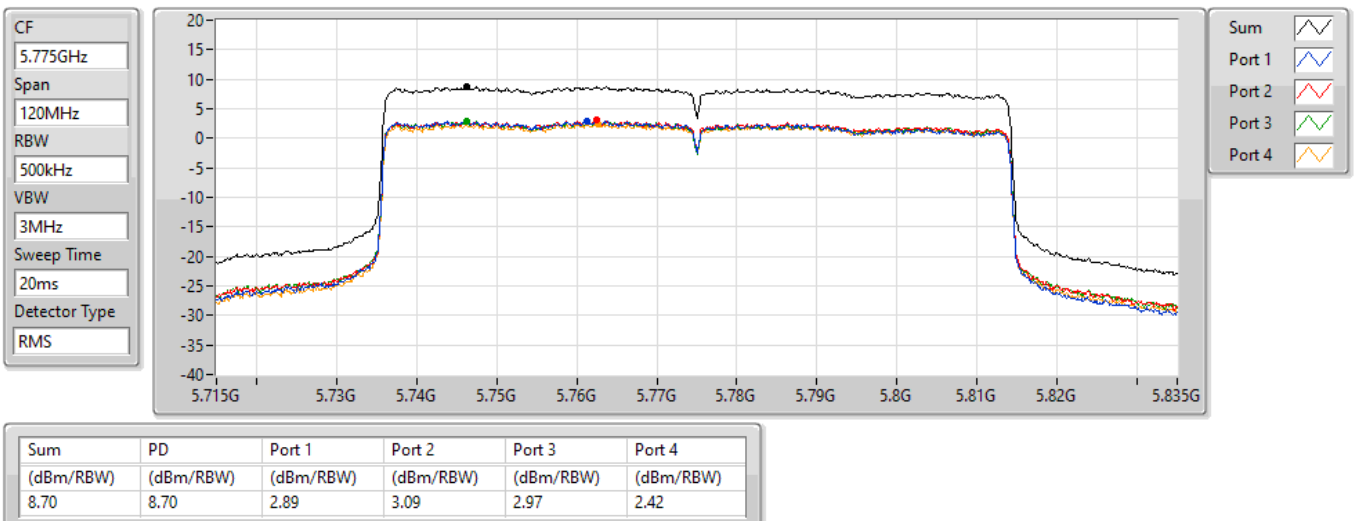


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

30/12/2021

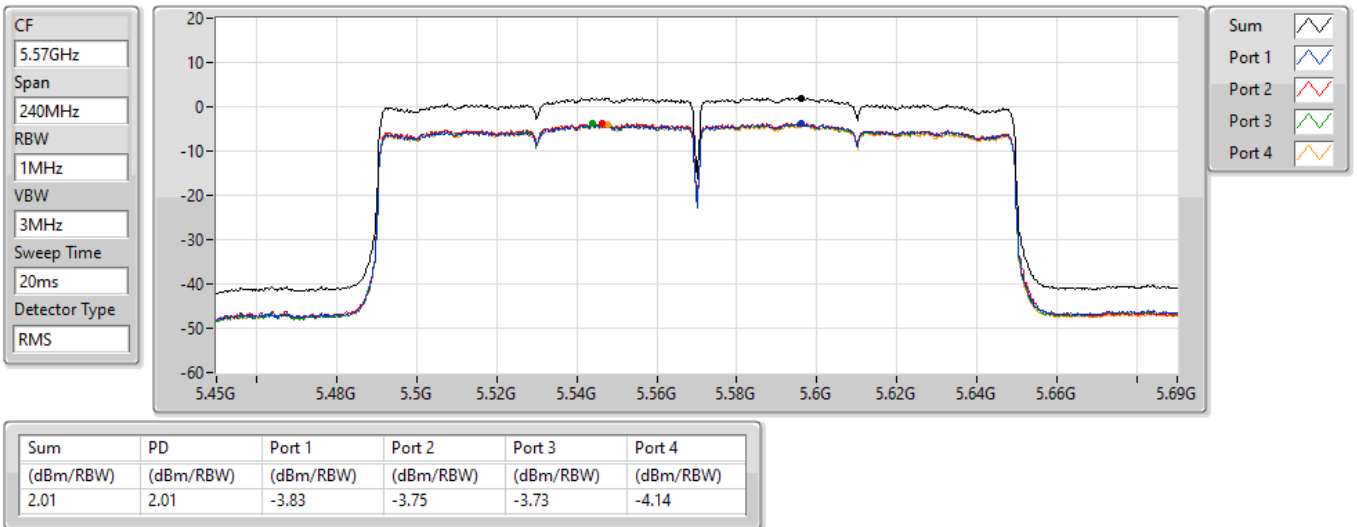


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5570MHz

PSD

30/12/2021





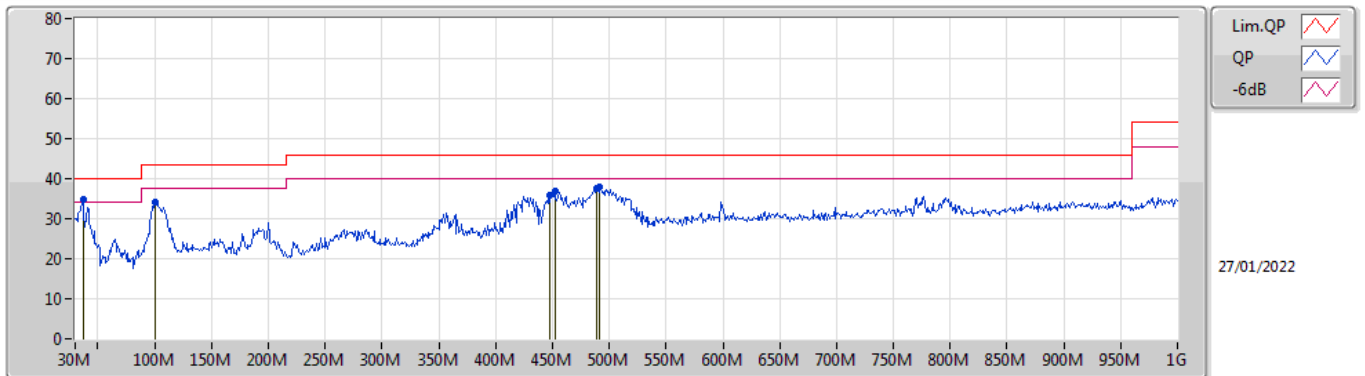
Radiated Emissions below 1GHz

Appendix E.1

Summary

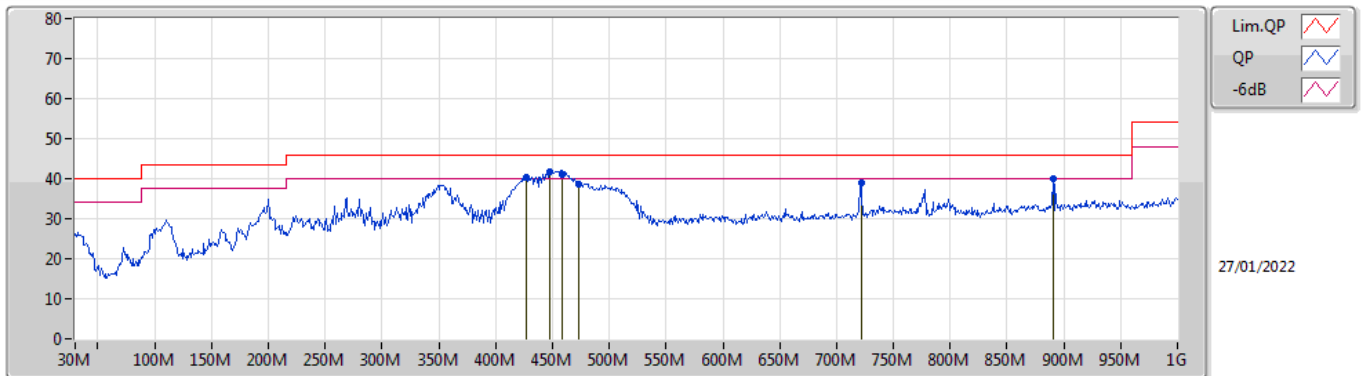
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	447.1M	41.86	46.00	-4.14	Horizontal

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	36.79M	34.77	40.00	-5.23	-9.81	3	Vertical	89	1.00	"Worst"	44.58	20.84	1.80	32.45
PK	100.81M	34.11	43.50	-9.39	-13.14	3	Vertical	243	1.00	-	47.25	16.80	2.40	32.34
PK	447.1M	35.96	46.00	-10.04	-5.11	3	Vertical	180	1.00	-	41.07	22.46	4.59	32.16
PK	451.95M	36.86	46.00	-9.14	-5.01	3	Vertical	164	1.00	-	41.87	22.53	4.61	32.15
PK	488.81M	37.65	46.00	-8.35	-4.13	3	Vertical	248	1.00	-	41.78	23.29	4.76	32.18
PK	491.72M	37.81	46.00	-8.19	-4.10	3	Vertical	232	1.00	-	41.91	23.31	4.77	32.18

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	426.73M	40.40	46.00	-5.60	-5.38	3	Horizontal	308	1.00	-	45.78	22.35	4.51	32.24
PK	447.1M	41.86	46.00	-4.14	-5.11	3	Horizontal	308	1.00	"Worst"	46.97	22.46	4.59	32.16
QP	458.74M	41.09	46.00	-4.91	-4.87	3	Horizontal	0	1.00	-	45.96	22.66	4.63	32.16
PK	473.29M	38.79	46.00	-7.21	-4.47	3	Horizontal	0	1.00	-	43.26	23.01	4.69	32.17
PK	721.61M	38.98	46.00	-7.02	-1.22	3	Horizontal	4	1.00	-	40.20	25.13	5.69	32.04
PK	890.39M	39.87	46.00	-6.13	1.16	3	Horizontal	26	1.00	-	38.71	26.26	6.44	31.54



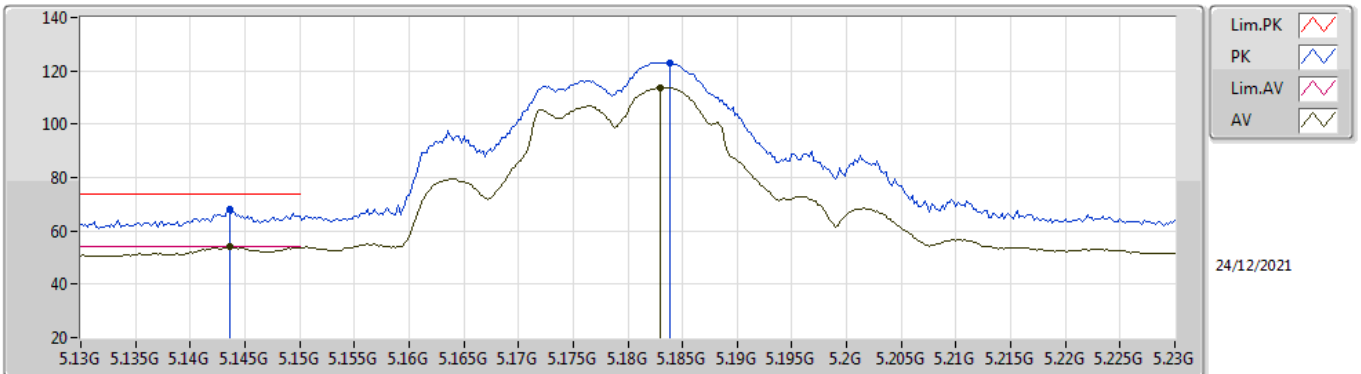
For UNII 1 and UNII 2A:

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	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1.(6Mbps)_4TX	Pass	AV	5.1436G	53.97	54.00	-0.03	3	Vertical	121	1.80	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

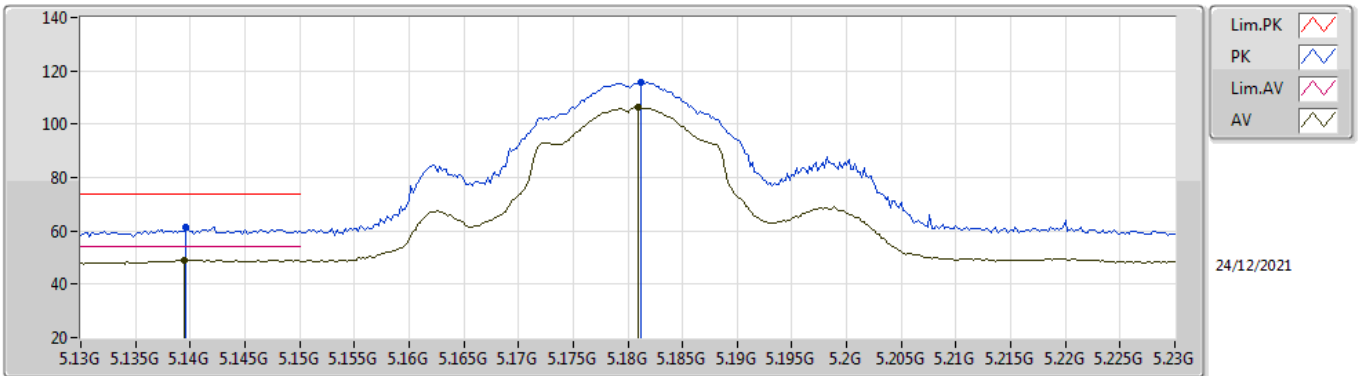


EUT_Z_4TX
Setting 94
06-D-S-8-13

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	68.10	74.00	-5.90	62.59	3	Vertical	121	1.80	-	31.74	5.74	31.97	
AV	5.1436G	53.97	54.00	-0.03	48.46	3	Vertical	121	1.80	-	31.74	5.74	31.97	
PK	5.1838G	123.08	Inf	-Inf	117.79	3	Vertical	121	1.80	-	31.50	5.78	31.99	
AV	5.183G	113.84	Inf	-Inf	108.55	3	Vertical	121	1.80	-	31.50	5.78	31.99	

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

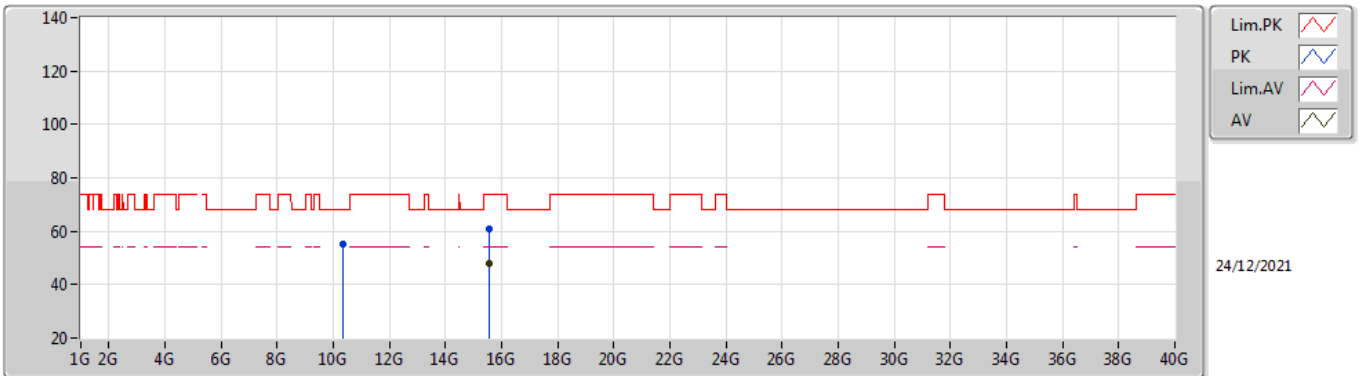


EUT_Z_4TX
Setting 94
06-D-S-8-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1396G	61.28	74.00	-12.72	55.75	3	Horizontal	49	2.08	-	31.76	5.74	31.97	
AV	5.1394G	49.15	54.00	-4.85	43.62	3	Horizontal	49	2.08	-	31.76	5.74	31.97	
PK	5.1812G	115.76	Inf	-Inf	110.46	3	Horizontal	49	2.08	-	31.51	5.78	31.99	
AV	5.181G	106.24	Inf	-Inf	100.94	3	Horizontal	49	2.08	-	31.51	5.78	31.99	

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

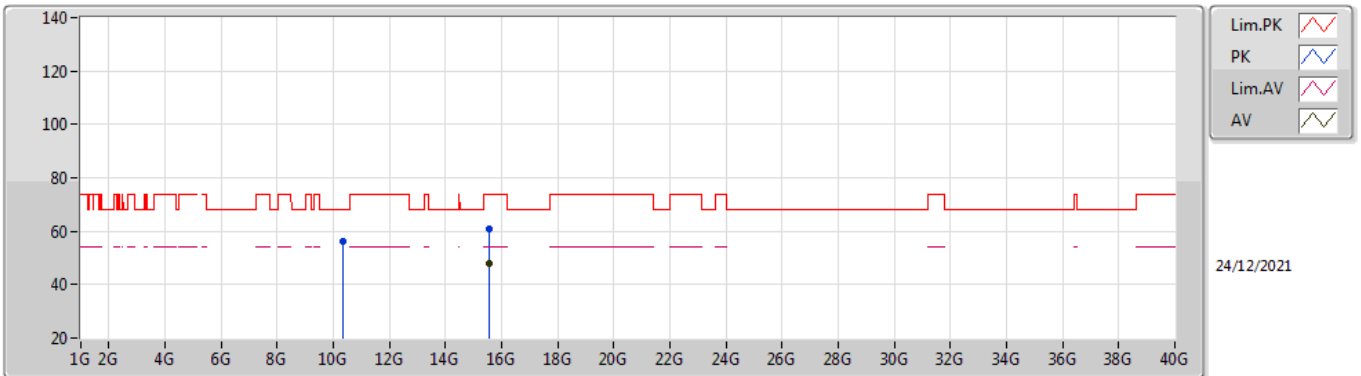


EUT_Z_4TX
Setting 94
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.36238G	55.40	68.20	-12.80	41.20	3	Vertical	51	2.73	-	39.42	8.82	34.04
PK	15.53888G	61.01	74.00	-12.99	44.44	3	Vertical	139	1.40	-	38.51	12.30	34.24
AV	15.54146G	47.84	54.00	-6.16	31.29	3	Vertical	139	1.40	-	38.49	12.30	34.24

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

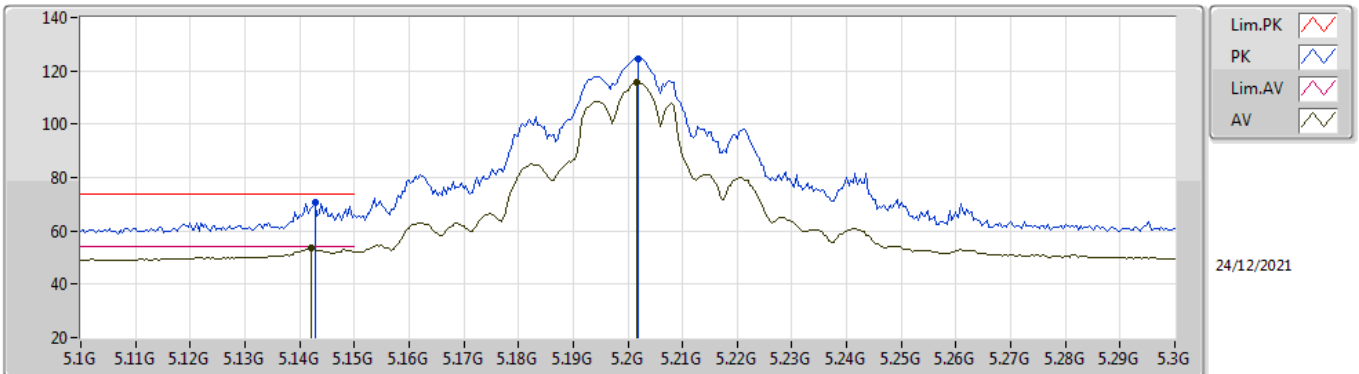


EUT_Z_4TX
Setting 94
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	10.35812G	55.95	68.20	-12.25	41.75	3	Horizontal	217	1.80	-	39.42	8.81	34.03	
PK	15.53726G	60.96	74.00	-13.04	44.38	3	Horizontal	143	1.99	-	38.51	12.30	34.23	
AV	15.5372G	47.85	54.00	-6.15	31.27	3	Horizontal	143	1.99	-	38.51	12.30	34.23	

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

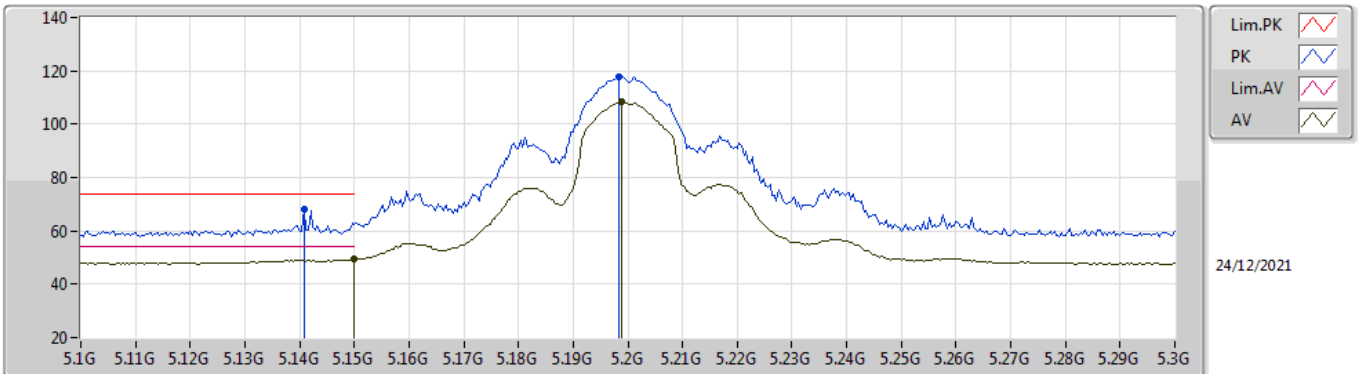


EUT_Z_4TX
Setting 104
06-D-S-8-13

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	5.1428G	70.69	74.00	-3.31	65.18	3	Vertical	124	1.80	-	31.74	5.74	31.97	
AV	5.142G	53.58	54.00	-0.42	48.06	3	Vertical	124	1.80	-	31.75	5.74	31.97	
PK	5.202G	124.62	Inf	-Inf	119.43	3	Vertical	124	1.80	-	31.39	5.80	32.00	
AV	5.2016G	115.44	Inf	-Inf	110.25	3	Vertical	124	1.80	-	31.39	5.80	32.00	

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

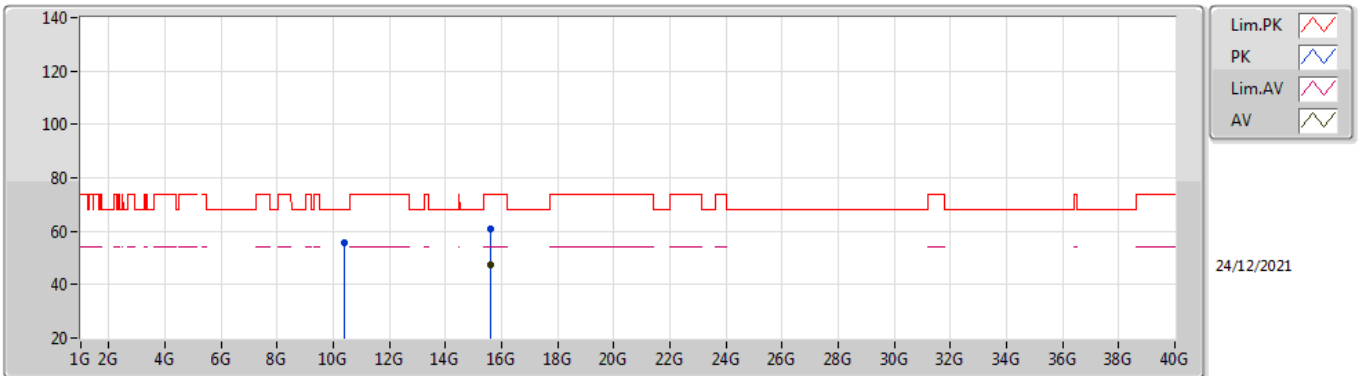


EUT_Z_4TX
Setting 104
06-D-S-8-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1408G	68.00	74.00	-6.00	62.47	3	Horizontal	50	2.35	-	31.76	5.74	31.97	
AV	5.15G	49.28	54.00	-4.72	43.81	3	Horizontal	50	2.35	-	31.70	5.75	31.98	
PK	5.1984G	117.65	Inf	-Inf	112.44	3	Horizontal	50	2.35	-	31.41	5.80	32.00	
AV	5.1988G	108.20	Inf	-Inf	102.99	3	Horizontal	50	2.35	-	31.41	5.80	32.00	

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

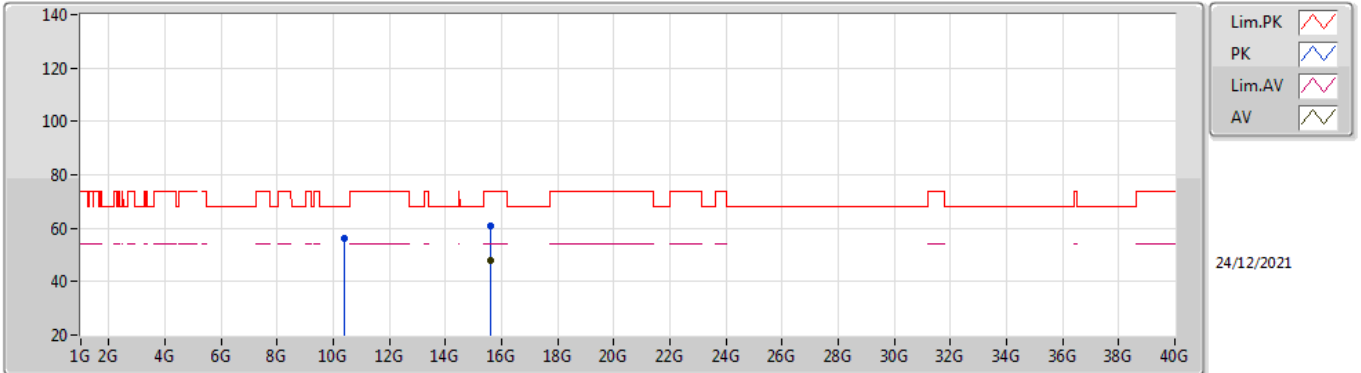


EUT_Z_4TX
Setting 104
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.40366G	55.93	68.20	-12.27	41.66	3	Vertical	340	2.50	-	39.50	8.84	34.07
PK	15.60008G	60.83	74.00	-13.17	44.55	3	Vertical	165	2.18	-	38.20	12.34	34.26
AV	15.5975G	47.55	54.00	-6.45	31.26	3	Vertical	165	2.18	-	38.21	12.34	34.26

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

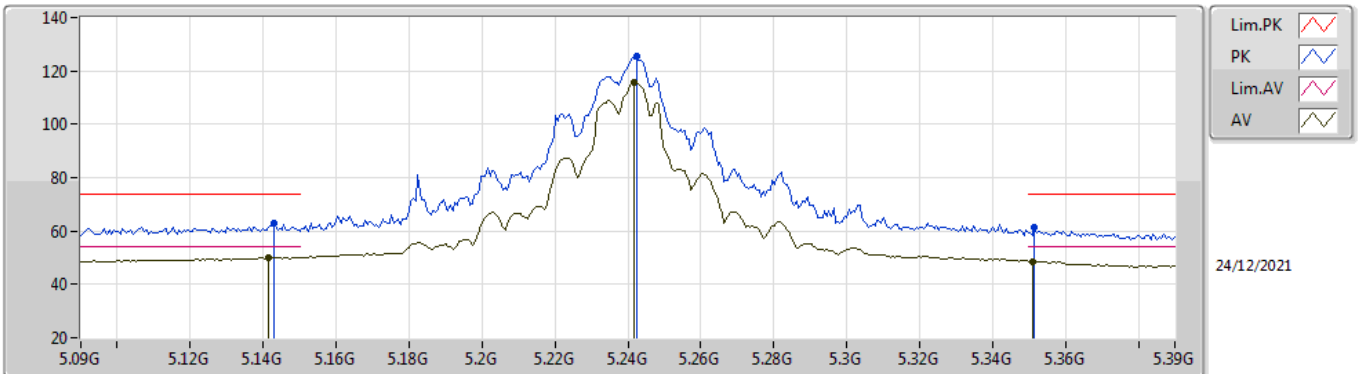


EUT_Z_4TX
Setting 104
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	10.3956G	56.15	68.20	-12.05	41.88	3	Horizontal	305	1.61	-	39.49	8.84	34.06	
PK	15.60054G	60.99	74.00	-13.01	44.71	3	Horizontal	287	1.12	-	38.20	12.34	34.26	
AV	15.59658G	47.69	54.00	-6.31	31.39	3	Horizontal	287	1.12	-	38.22	12.34	34.26	

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

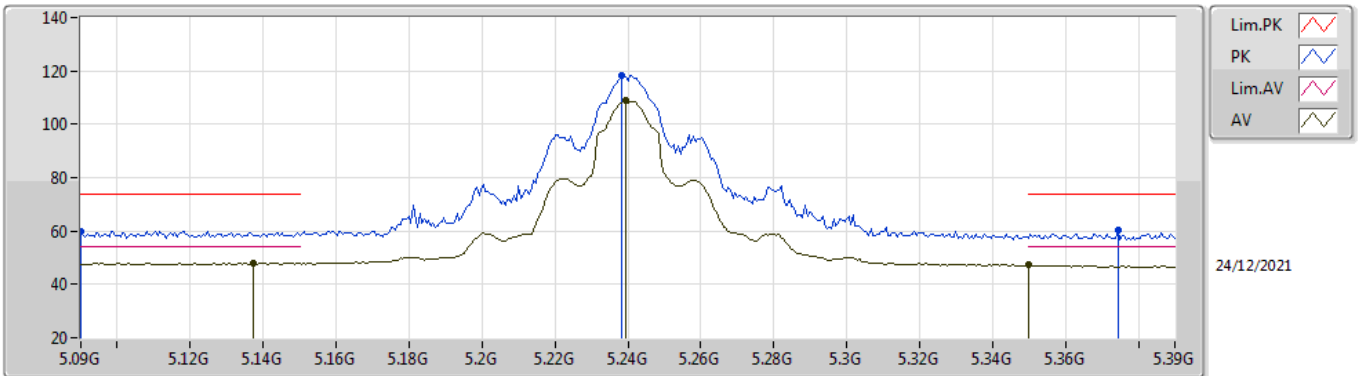


EUT_Z_4TX
Setting 108
06-D-S-8-13

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	5.1428G	63.08	74.00	-10.92	57.57	3	Vertical	123	1.79	-	31.74	5.74	31.97
AV	5.1416G	50.10	54.00	-3.90	44.58	3	Vertical	123	1.79	-	31.75	5.74	31.97
PK	5.2424G	125.31	Inf	-Inf	120.38	3	Vertical	123	1.79	-	31.15	5.80	32.02
AV	5.2418G	115.79	Inf	-Inf	110.86	3	Vertical	123	1.79	-	31.15	5.80	32.02
PK	5.3516G	61.61	74.00	-12.39	56.76	3	Vertical	123	1.79	-	31.11	5.80	32.06
AV	5.351G	48.52	54.00	-5.48	43.67	3	Vertical	123	1.79	-	31.11	5.80	32.06

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

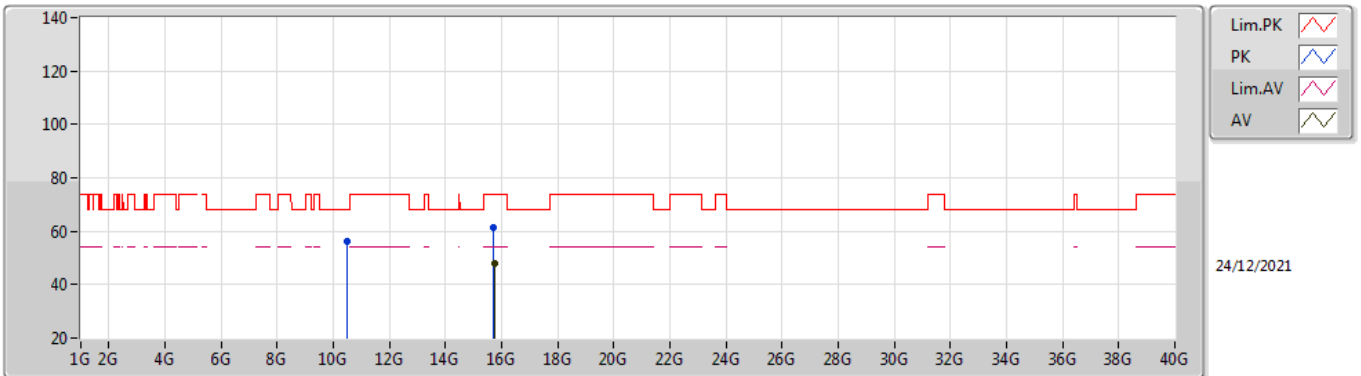


EUT_Z_4TX
Setting 108
06-D-S-8-13

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	5.09G	59.90	74.00	-14.10	54.26	3	Horizontal	50	2.18	-	31.90	5.69	31.95
AV	5.1374G	48.01	54.00	-5.99	42.46	3	Horizontal	50	2.18	-	31.78	5.74	31.97
PK	5.2382G	118.28	Inf	-Inf	113.32	3	Horizontal	50	2.18	-	31.17	5.80	32.01
AV	5.2394G	108.74	Inf	-Inf	103.80	3	Horizontal	50	2.18	-	31.16	5.80	32.02
PK	5.3744G	60.50	74.00	-13.50	55.52	3	Horizontal	50	2.18	-	31.25	5.80	32.07
AV	5.35G	47.21	54.00	-6.79	42.37	3	Horizontal	50	2.18	-	31.10	5.80	32.06

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

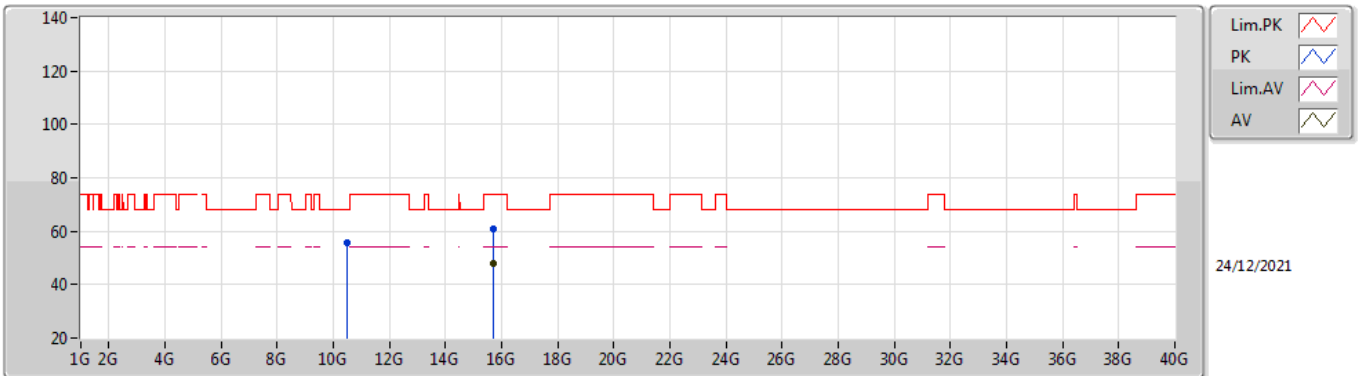


EUT_Z_4TX
Setting 108
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	10.48296G	56.06	68.20	-12.14	41.72	3	Vertical	330	2.27	-	39.58	8.89	34.13	
PK	15.7198G	61.13	74.00	-12.87	45.22	3	Vertical	96	2.65	-	37.80	12.42	34.31	
AV	15.7355G	47.70	54.00	-6.30	31.78	3	Vertical	96	2.65	-	37.80	12.43	34.31	

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

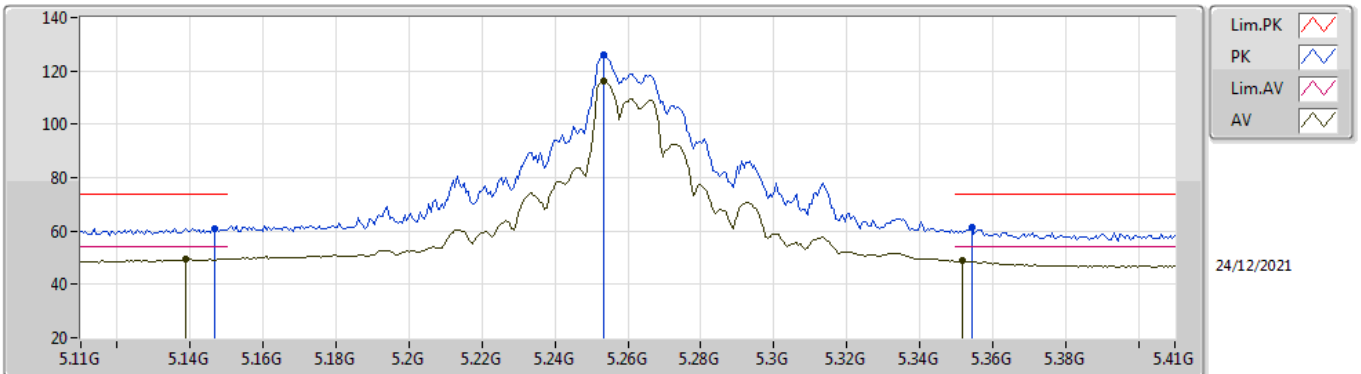


EUT_Z_4TX
Setting 108
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.48048G	55.70	68.20	-12.50	41.36	3	Horizontal	93	2.18	-	39.58	8.89	34.13
PK	15.7122G	60.66	74.00	-13.34	44.75	3	Horizontal	232	1.80	-	37.80	12.41	34.30
AV	15.717G	47.74	54.00	-6.26	31.83	3	Horizontal	232	1.80	-	37.80	12.42	34.31

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

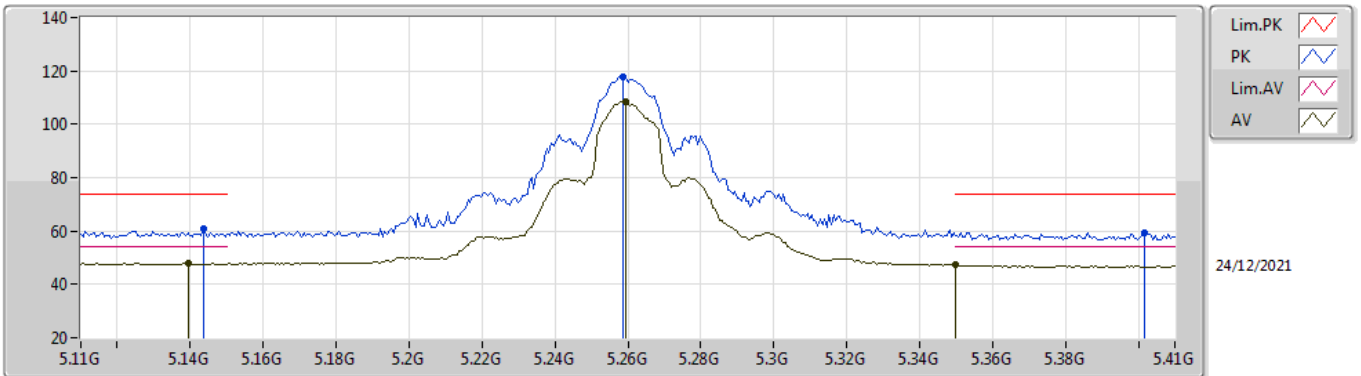


EUT_Z_4TX
Setting 108
06-D-S-8-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1466G	61.01	74.00	-12.99	55.51	3	Vertical	30	1.79	-	31.72	5.75	31.97	
AV	5.1388G	49.60	54.00	-4.40	44.06	3	Vertical	30	1.79	-	31.77	5.74	31.97	
PK	5.2534G	125.94	Inf	-Inf	121.06	3	Vertical	30	1.79	-	31.10	5.80	32.02	
AV	5.2534G	116.11	Inf	-Inf	111.23	3	Vertical	30	1.79	-	31.10	5.80	32.02	
PK	5.3542G	61.14	74.00	-12.86	56.28	3	Vertical	30	1.79	-	31.13	5.80	32.07	
AV	5.3518G	48.85	54.00	-5.15	44.00	3	Vertical	30	1.79	-	31.11	5.80	32.06	

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

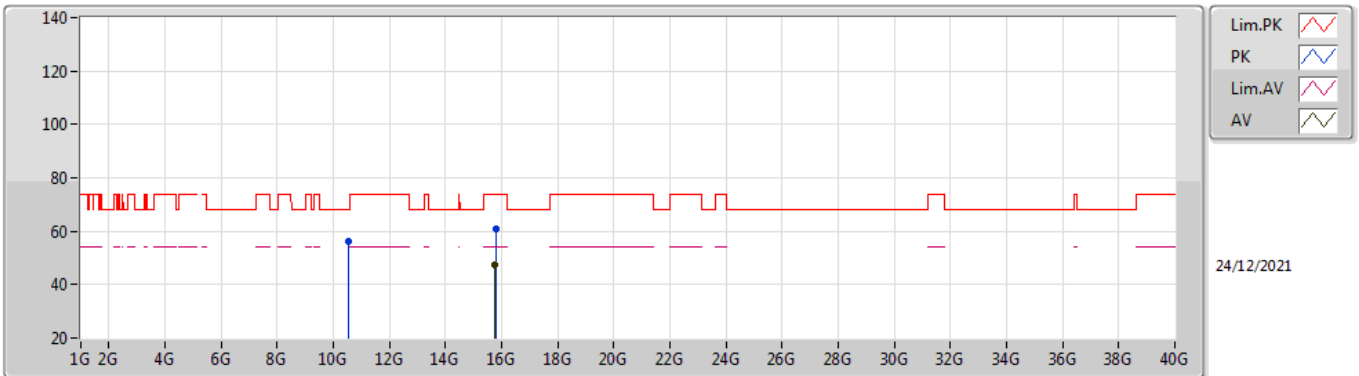


EUT_Z_4TX
Setting 108
06-D-S-8-13

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	60.67	74.00	-13.33	55.16	3	Horizontal	52	2.39	-	31.74	5.74	31.97
AV	5.1394G	47.93	54.00	-6.07	42.40	3	Horizontal	52	2.39	-	31.76	5.74	31.97
PK	5.2588G	117.98	Inf	-Inf	113.10	3	Horizontal	52	2.39	-	31.10	5.80	32.02
AV	5.2594G	108.55	Inf	-Inf	103.67	3	Horizontal	52	2.39	-	31.10	5.80	32.02
PK	5.4016G	59.53	74.00	-14.47	54.42	3	Horizontal	52	2.39	-	31.40	5.80	32.09
AV	5.35G	47.30	54.00	-6.70	42.46	3	Horizontal	52	2.39	-	31.10	5.80	32.06

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

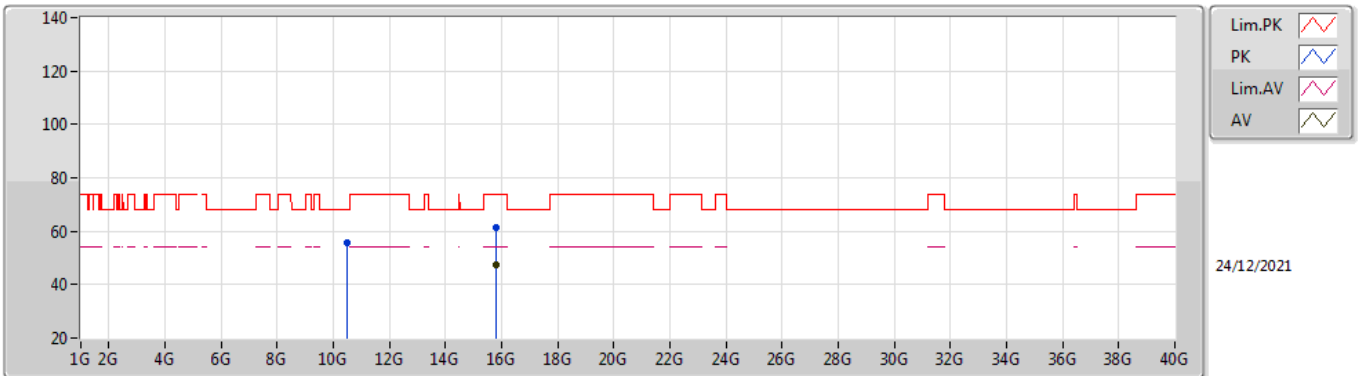


EUT_Z_4TX
Setting 108
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.52336G	56.34	68.20	-11.86	41.95	3	Vertical	108	1.57	-	39.62	8.91	34.14
PK	15.78402G	60.74	74.00	-13.26	44.81	3	Vertical	59	1.59	-	37.80	12.46	34.33
AV	15.77758G	47.67	54.00	-6.33	31.74	3	Vertical	59	1.59	-	37.80	12.46	34.33

802.11a_Nss1,(6Mbps)_4TX

5260MHz_TnomVnom

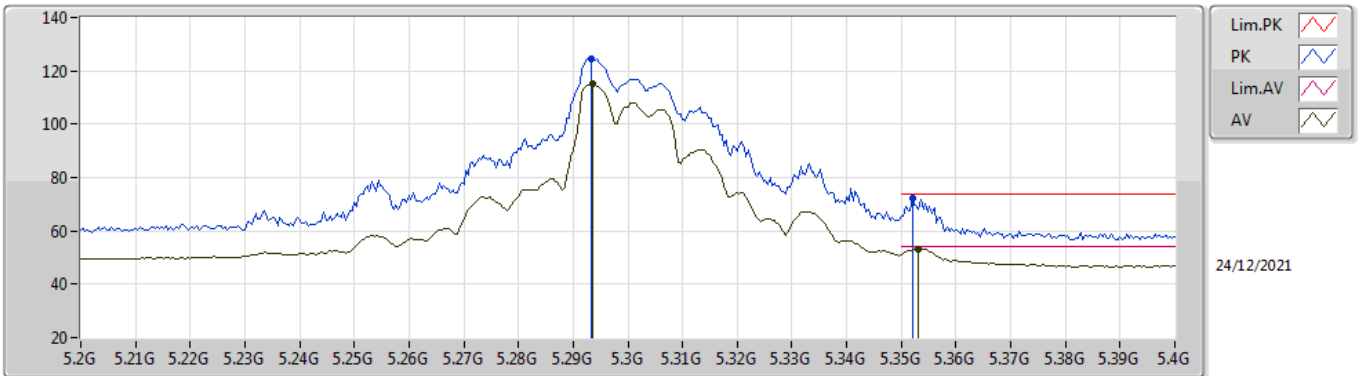


EUT_Z_4TX
Setting 108
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.5162G	55.84	68.20	-12.36	41.45	3	Horizontal	339	1.47	-	39.62	8.91	34.14
PK	15.78074G	61.15	74.00	-12.85	45.22	3	Horizontal	85	2.17	-	37.80	12.46	34.33
AV	15.78004G	47.57	54.00	-6.43	31.64	3	Horizontal	85	2.17	-	37.80	12.46	34.33

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

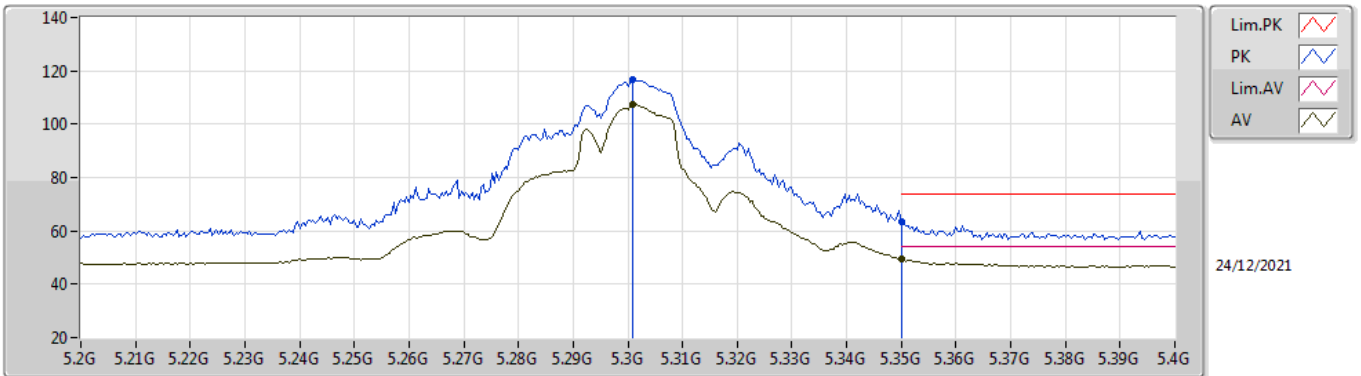


EUT_Z_4TX
Setting 104
06-D-S-8-13

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	5.2932G	124.63	Inf	-Inf	119.77	3	Vertical	30	1.68	-	31.10	5.80	32.04	
AV	5.2936G	115.07	Inf	-Inf	110.21	3	Vertical	30	1.68	-	31.10	5.80	32.04	
PK	5.352G	71.99	74.00	-2.01	67.14	3	Vertical	30	1.68	-	31.11	5.80	32.06	
AV	5.3532G	53.34	54.00	-0.66	48.49	3	Vertical	30	1.68	-	31.12	5.80	32.07	

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

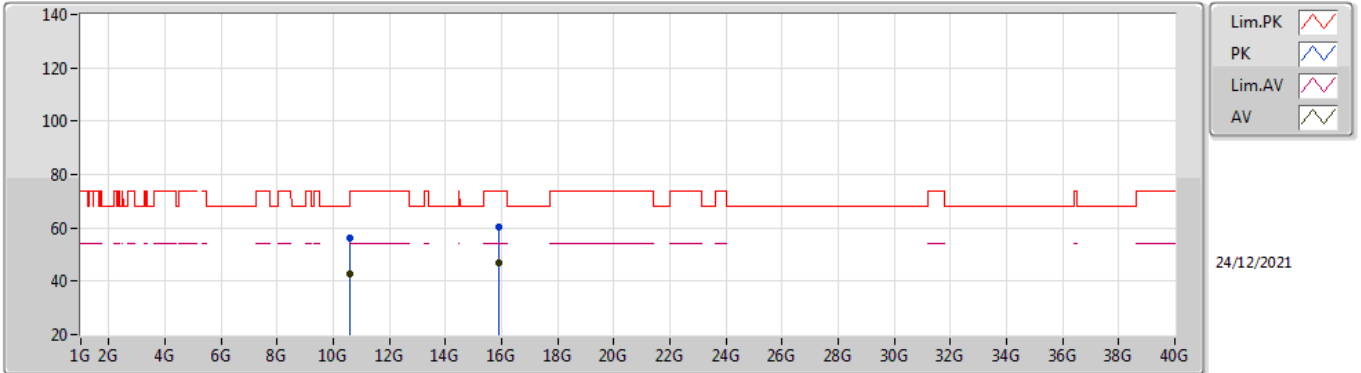


EUT_Z_4TX
Setting 104
06-D-S-8-13

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	5.3008G	116.57	Inf	-Inf	111.71	3	Horizontal	36	1.89	-	31.10	5.80	32.04	
AV	5.3008G	107.42	Inf	-Inf	102.56	3	Horizontal	36	1.89	-	31.10	5.80	32.04	
PK	5.35G	63.42	74.00	-10.58	58.58	3	Horizontal	36	1.89	-	31.10	5.80	32.06	
AV	5.35G	49.26	54.00	-4.74	44.42	3	Horizontal	36	1.89	-	31.10	5.80	32.06	

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

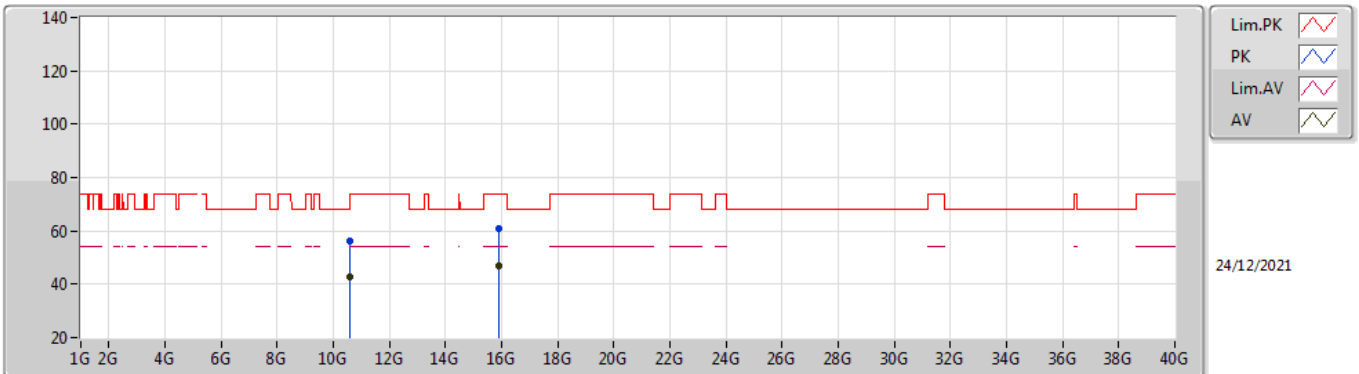


EUT_Z_4TX
Setting 104
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.59638G	56.39	68.20	-11.81	41.89	3	Vertical	59	1.39	-	39.70	8.96	34.16
AV	10.60002G	42.82	54.00	-11.18	28.32	3	Vertical	59	1.39	-	39.70	8.96	34.16
PK	15.89962G	60.38	74.00	-13.62	44.63	3	Vertical	312	2.51	-	37.60	12.53	34.38
AV	15.90198G	47.02	54.00	-6.98	31.26	3	Vertical	312	2.51	-	37.60	12.54	34.38

802.11a_Nss1,(6Mbps)_4TX

5300MHz_TnomVnom

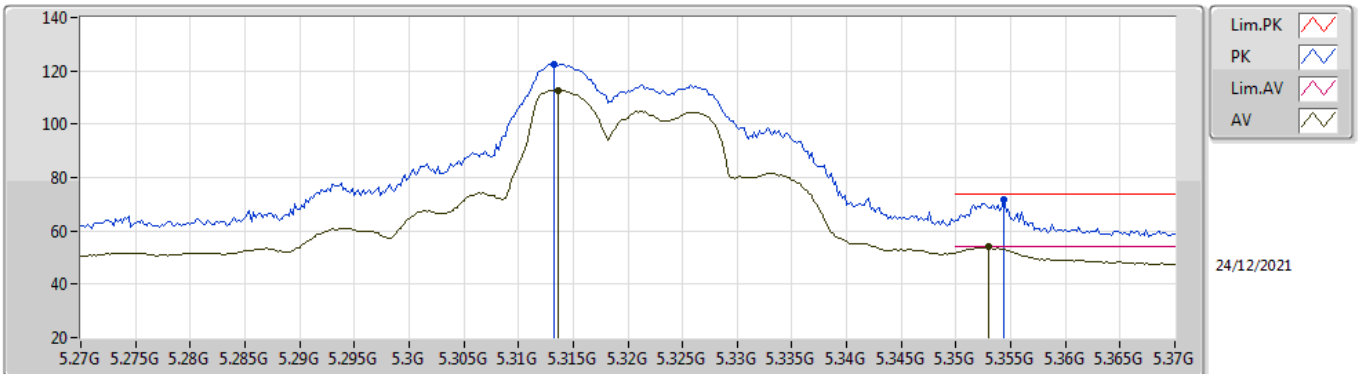


EUT_Z_4TX
Setting 104
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.60346G	55.95	74.00	-18.05	41.45	3	Horizontal	84	1.58	-	39.70	8.96	34.16
AV	10.6016G	42.82	54.00	-11.18	28.32	3	Horizontal	84	1.58	-	39.70	8.96	34.16
PK	15.90324G	60.73	74.00	-13.27	44.98	3	Horizontal	28	2.18	-	37.59	12.54	34.38
AV	15.9021G	46.96	54.00	-7.04	31.20	3	Horizontal	28	2.18	-	37.60	12.54	34.38

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

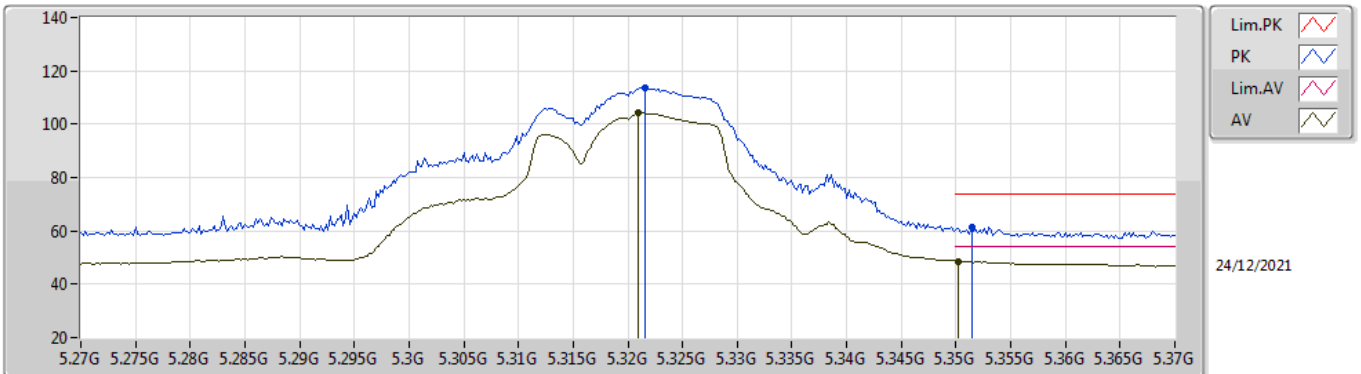


EUT_Z_4TX
Setting 96
06-D-S-8-13

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	5.3132G	122.54	Inf	-Inf	117.69	3	Vertical	31	1.64	-	31.10	5.80	32.05	
AV	5.3136G	112.75	Inf	-Inf	107.90	3	Vertical	31	1.64	-	31.10	5.80	32.05	
PK	5.3544G	71.54	74.00	-2.46	66.68	3	Vertical	31	1.64	-	31.13	5.80	32.07	
AV	5.353G	53.96	54.00	-0.04	49.11	3	Vertical	31	1.64	-	31.12	5.80	32.07	

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

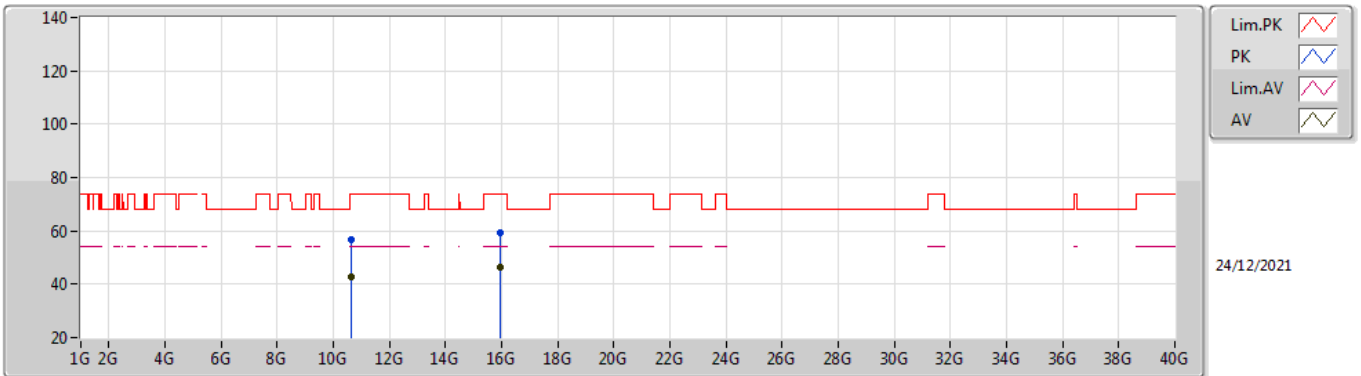


EUT_Z_4TX
Setting 96
06-D-S-8-13

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	113.85	Inf	-Inf	109.00	3	Horizontal	37	1.80	-	31.10	5.80	32.05	
AV	5.321G	104.15	Inf	-Inf	99.30	3	Horizontal	37	1.80	-	31.10	5.80	32.05	
PK	5.3514G	61.36	74.00	-12.64	56.51	3	Horizontal	37	1.80	-	31.11	5.80	32.06	
AV	5.3502G	48.63	54.00	-5.37	43.79	3	Horizontal	37	1.80	-	31.10	5.80	32.06	

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom

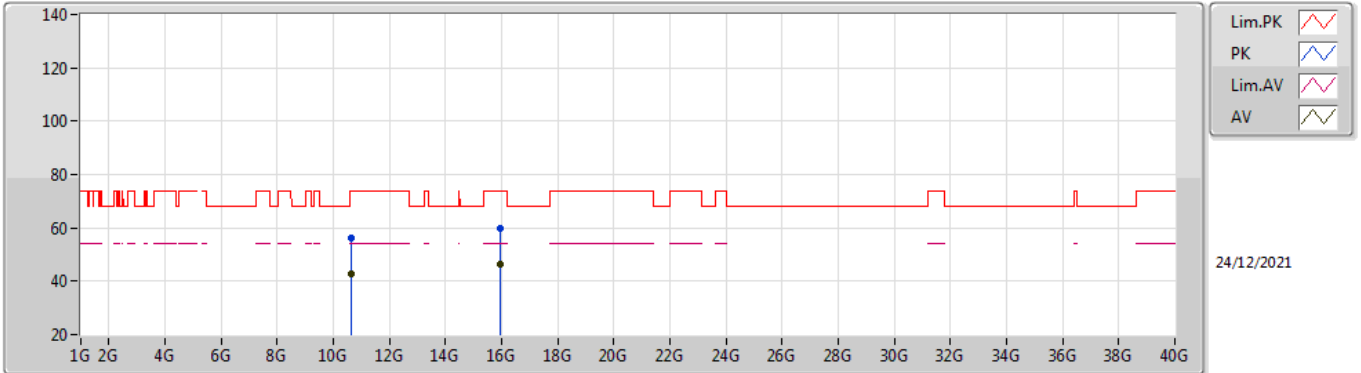


EUT_Z_4TX
Setting 96
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.6379G	56.51	74.00	-17.49	42.03	3	Vertical	356	2.92	-	39.66	8.98	34.16
AV	10.6437G	42.66	54.00	-11.34	28.18	3	Vertical	356	2.92	-	39.66	8.99	34.17
PK	15.95784G	59.30	74.00	-14.70	43.65	3	Vertical	43	1.22	-	37.48	12.57	34.40
AV	15.96084G	46.58	54.00	-7.42	30.93	3	Vertical	43	1.22	-	37.48	12.57	34.40

802.11a_Nss1,(6Mbps)_4TX

5320MHz_TnomVnom



EUT_Z_4TX
Setting 96
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.64048G	55.96	74.00	-18.04	41.49	3	Horizontal	46	2.34	-	39.66	8.98	34.17
AV	10.64318G	42.66	54.00	-11.34	28.18	3	Horizontal	46	2.34	-	39.66	8.99	34.17
PK	15.9646G	60.00	74.00	-14.00	44.36	3	Horizontal	120	2.81	-	37.47	12.58	34.41
AV	15.9552G	46.60	54.00	-7.40	30.94	3	Horizontal	120	2.81	-	37.49	12.57	34.40



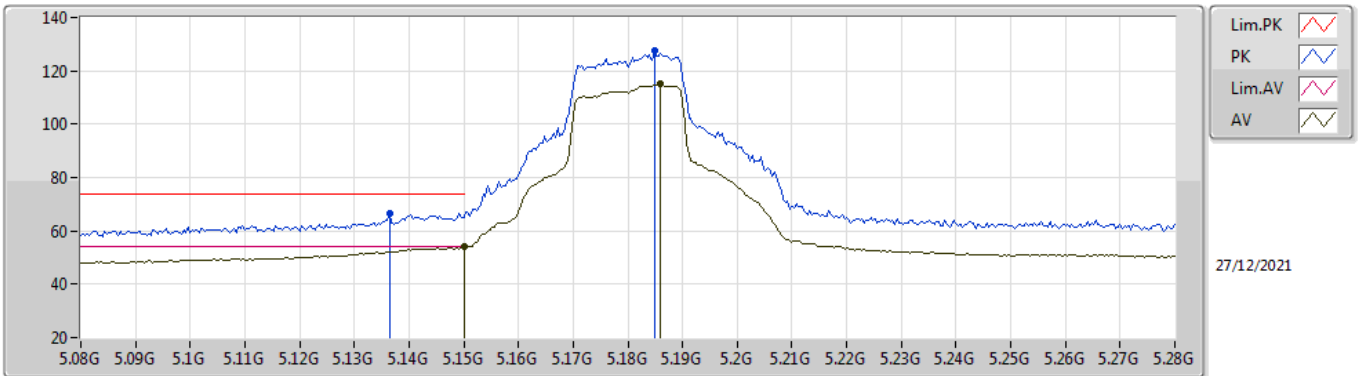
For UNII 1 and UNII 2A:

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	AV	5.35G	53.97	54.00	-0.03	3	Vertical	123	1.80	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

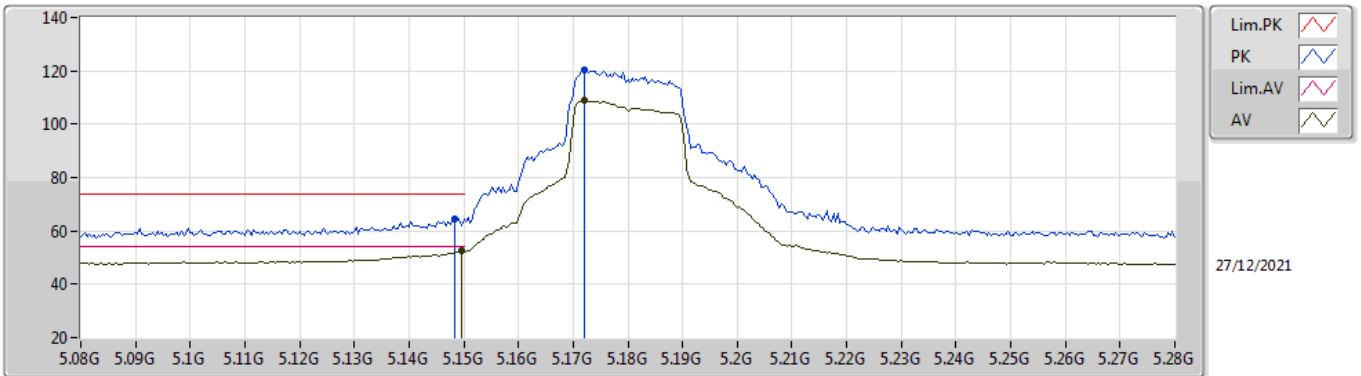


EUT_Z_4TX
Setting 97
06-F-S-5-13

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	5.1364G	66.71	74.00	-7.29	61.16	3	Vertical	238	1.74	-	31.78	5.74	31.97	
AV	5.15G	53.90	54.00	-0.10	48.43	3	Vertical	238	1.74	-	31.70	5.75	31.98	
PK	5.1848G	127.40	Inf	-Inf	122.12	3	Vertical	238	1.74	-	31.49	5.78	31.99	
AV	5.186G	114.98	Inf	-Inf	109.70	3	Vertical	238	1.74	-	31.48	5.79	31.99	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

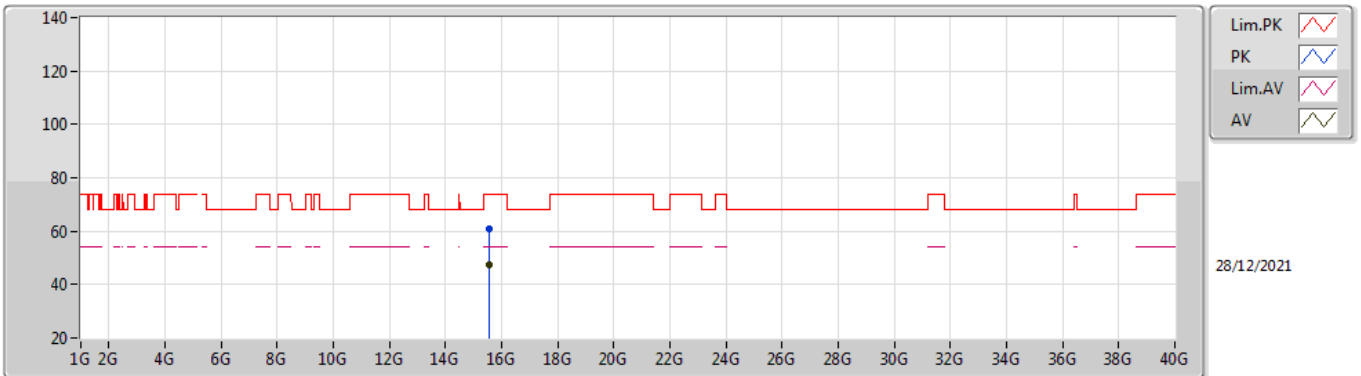


EUT_Z_4TX
Setting 97
06-F-S-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1484G	64.62	74.00	-9.38	59.14	3	Horizontal	322	1.07	-	31.71	5.75	31.98	
AV	5.1496G	52.33	54.00	-1.67	46.86	3	Horizontal	322	1.07	-	31.70	5.75	31.98	
PK	5.172G	120.16	Inf	-Inf	114.81	3	Horizontal	322	1.07	-	31.57	5.77	31.99	
AV	5.172G	108.92	Inf	-Inf	103.57	3	Horizontal	322	1.07	-	31.57	5.77	31.99	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

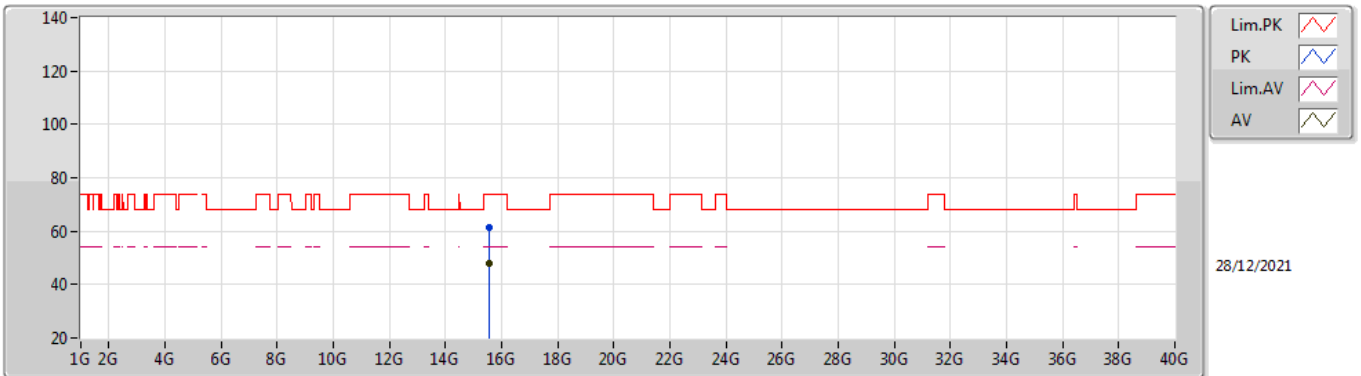


EUT_Z_4TX
Setting 97
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.53504G	61.05	74.00	-12.95	44.46	3	Vertical	79	1.18	-	38.52	12.30	34.23	
AV	15.53846G	47.67	54.00	-6.33	31.10	3	Vertical	79	1.18	-	38.51	12.30	34.24	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

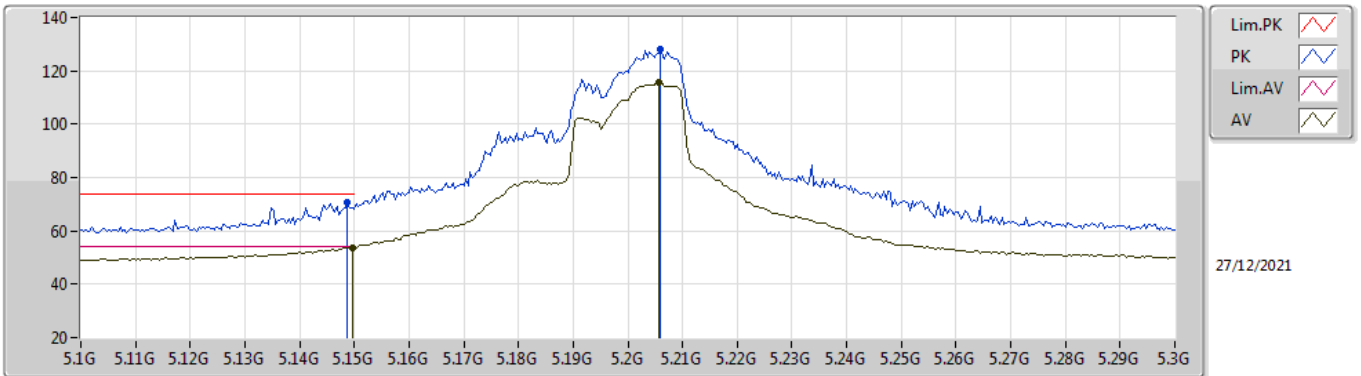


EUT_Z_4TX
Setting 97
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.54346G	61.18	74.00	-12.82	44.64	3	Horizontal	252	2.85	-	38.48	12.30	34.24
AV	15.54348G	48.04	54.00	-5.96	31.50	3	Horizontal	252	2.85	-	38.48	12.30	34.24

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

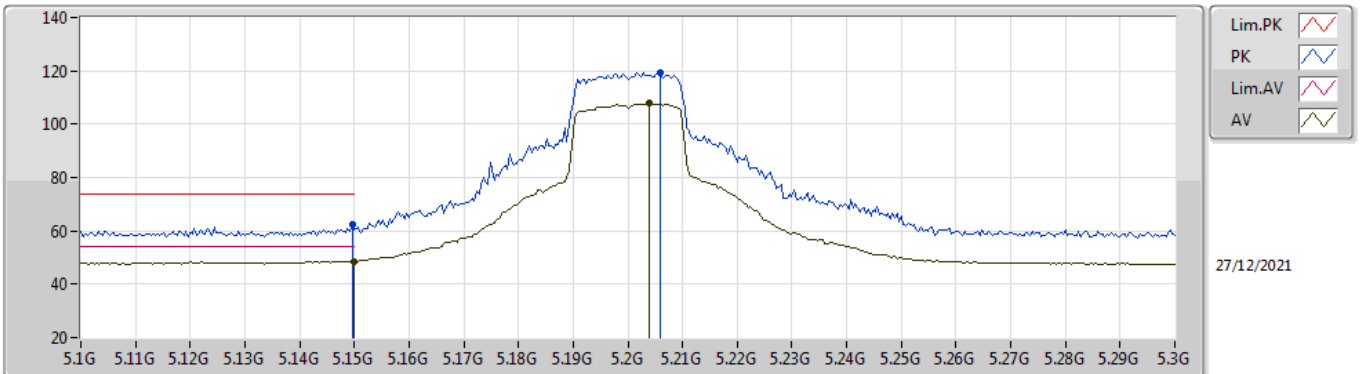


EUT_Z_4TX
Setting 98
06-F-S-5-13

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	70.74	74.00	-3.26	65.26	3	Vertical	53.4	1.80	-	31.71	5.75	31.98	
AV	5.1496G	53.83	54.00	-0.17	48.36	3	Vertical	53.4	1.80	-	31.70	5.75	31.98	
PK	5.206G	128.18	Inf	-Inf	123.02	3	Vertical	53.4	1.80	-	31.36	5.80	32.00	
AV	5.2056G	115.88	Inf	-Inf	110.71	3	Vertical	53.4	1.80	-	31.37	5.80	32.00	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

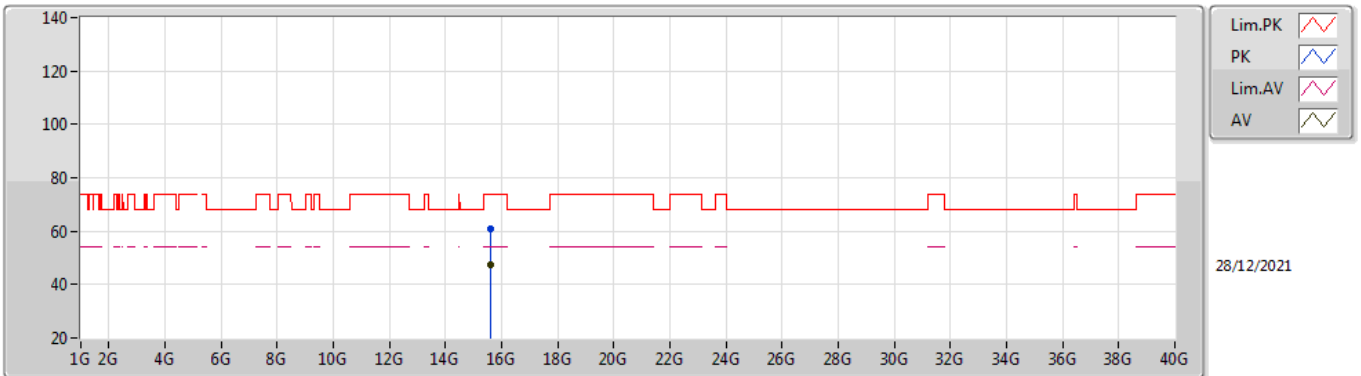


EUT_Z_4TX
Setting 98
06-F-S-5-13

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	62.35	74.00	-11.65	56.88	3	Horizontal	36	1.56	-	31.70	5.75	31.98	
AV	5.15G	48.63	54.00	-5.37	43.16	3	Horizontal	36	1.56	-	31.70	5.75	31.98	
PK	5.206G	119.40	Inf	-Inf	114.24	3	Horizontal	36	1.56	-	31.36	5.80	32.00	
AV	5.204G	107.68	Inf	-Inf	102.50	3	Horizontal	36	1.56	-	31.38	5.80	32.00	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

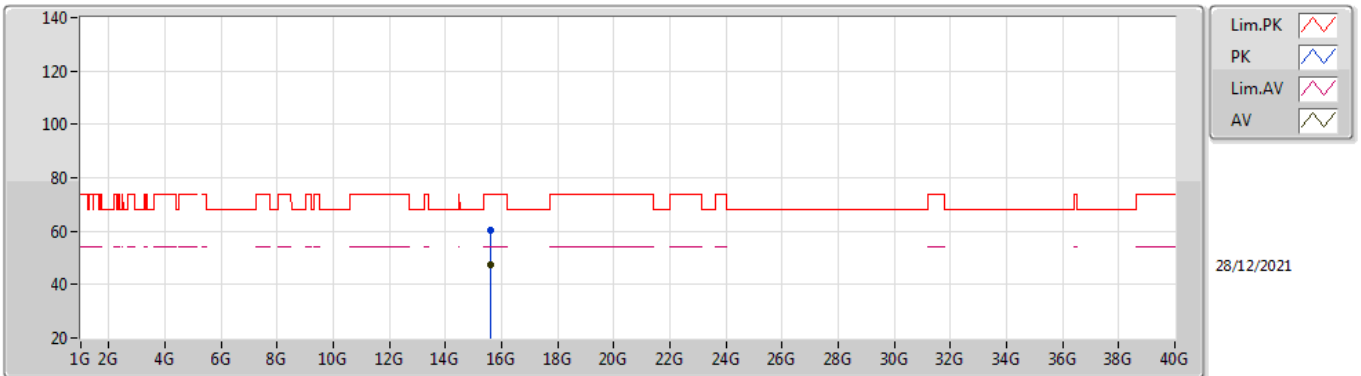


EUT_Z_4TX
Setting 98
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.59838G	60.67	74.00	-13.33	44.38	3	Vertical	121	2.55	-	38.21	12.34	34.26
AV	15.60424G	47.37	54.00	-6.63	31.11	3	Vertical	121	2.55	-	38.18	12.34	34.26

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

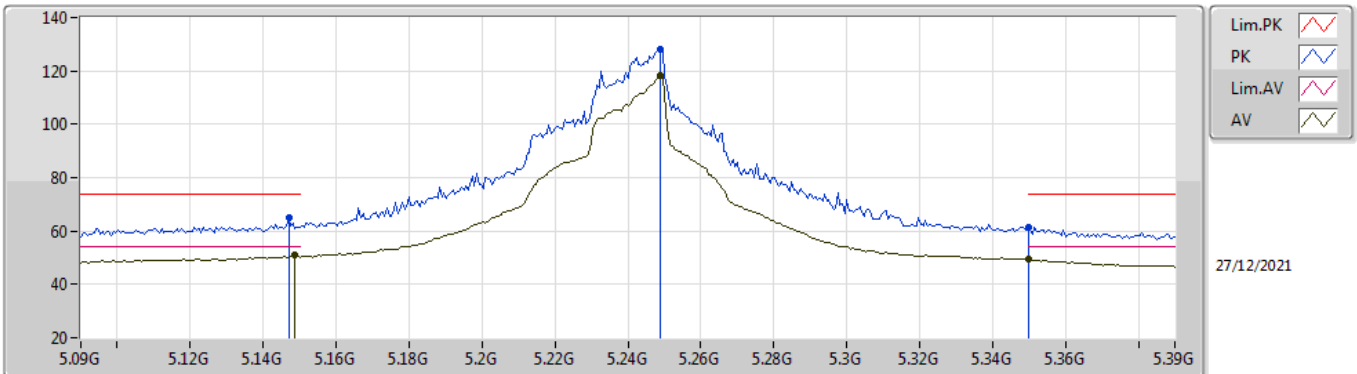


EUT_Z_4TX
Setting 98
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.59652G	60.31	74.00	-13.69	44.01	3	Horizontal	28	1.20	-	38.22	12.34	34.26
AV	15.59764G	47.39	54.00	-6.61	31.10	3	Horizontal	28	1.20	-	38.21	12.34	34.26

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

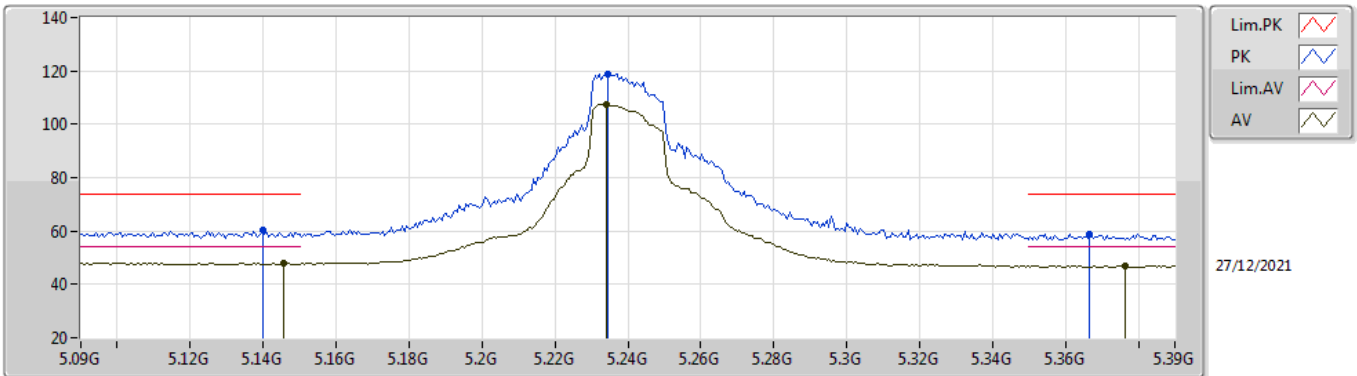


EUT_Z_4TX
Setting 108
06-F-S-5-13

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	65.12	74.00	-8.88	59.62	3	Vertical	122	1.80	-	31.72	5.75	31.97
AV	5.1488G	50.80	54.00	-3.20	45.32	3	Vertical	122	1.80	-	31.71	5.75	31.98
PK	5.249G	127.86	Inf	-Inf	122.97	3	Vertical	122	1.80	-	31.11	5.80	32.02
AV	5.249G	118.04	Inf	-Inf	113.15	3	Vertical	122	1.80	-	31.11	5.80	32.02
PK	5.35G	61.44	74.00	-12.56	56.60	3	Vertical	122	1.80	-	31.10	5.80	32.06
AV	5.35G	49.38	54.00	-4.62	44.54	3	Vertical	122	1.80	-	31.10	5.80	32.06

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

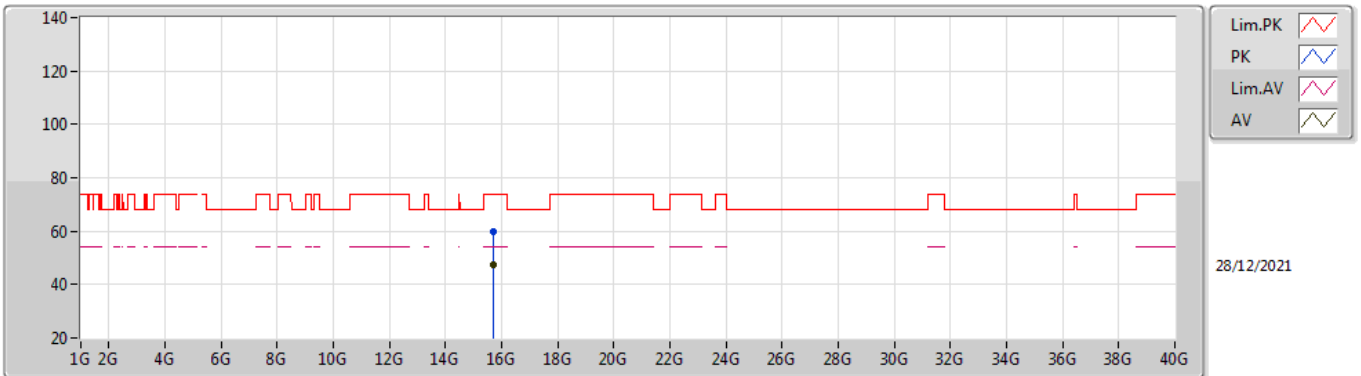


EUT_Z_4TX
Setting 108
06-F-S-5-13

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	5.1398G	60.09	74.00	-13.91	54.56	3	Horizontal	225	1.80	-	31.76	5.74	31.97
AV	5.1458G	48.17	54.00	-5.83	42.66	3	Horizontal	225	1.80	-	31.73	5.75	31.97
PK	5.2346G	118.71	Inf	-Inf	113.73	3	Horizontal	225	1.80	-	31.19	5.80	32.01
AV	5.234G	107.46	Inf	-Inf	102.47	3	Horizontal	225	1.80	-	31.20	5.80	32.01
PK	5.3666G	58.99	74.00	-15.01	54.06	3	Horizontal	225	1.80	-	31.20	5.80	32.07
AV	5.3762G	47.00	54.00	-7.00	42.02	3	Horizontal	225	1.80	-	31.26	5.80	32.08

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

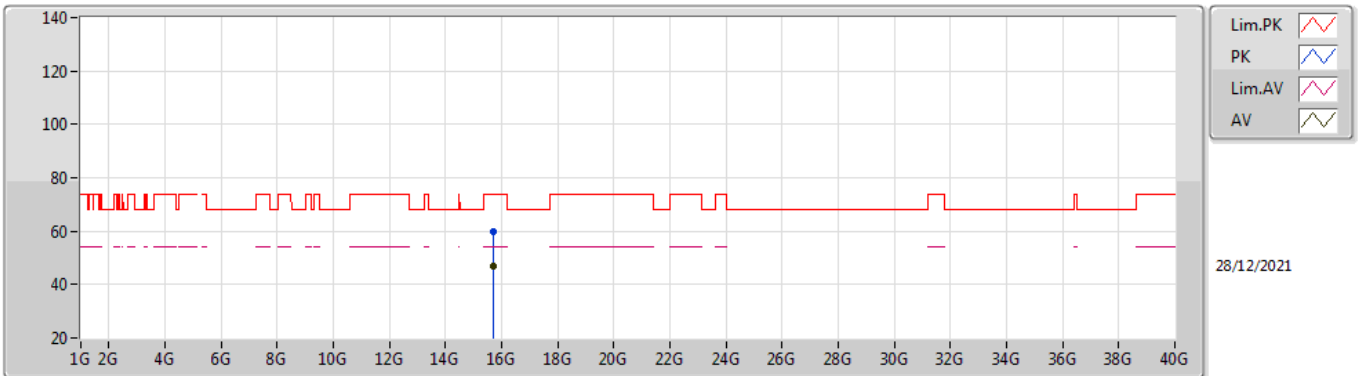


EUT_Z_4TX
Setting 108
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.72412G	59.88	74.00	-14.12	43.97	3	Vertical	224	2.16	-	37.80	12.42	34.31
AV	15.7166G	47.16	54.00	-6.84	31.25	3	Vertical	224	2.16	-	37.80	12.42	34.31

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

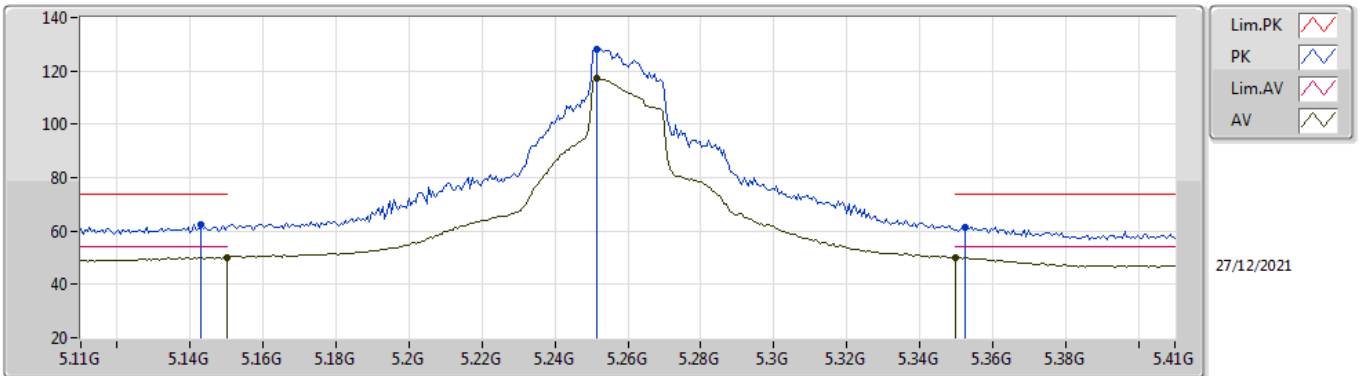


EUT_Z_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.7151G	59.88	74.00	-14.12	43.98	3	Horizontal	287	2.60	-	37.80	12.41	34.31	
AV	15.725G	47.08	54.00	-6.92	31.17	3	Horizontal	287	2.60	-	37.80	12.42	34.31	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5260MHz_TnomVnom

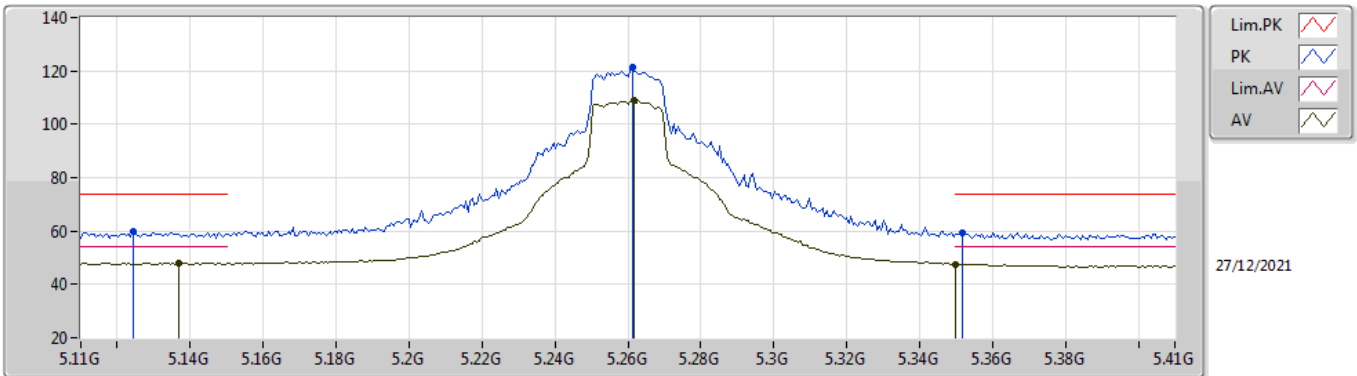


EUT_Z_4TX
Setting 108
06-F-S-5-13

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	62.66	74.00	-11.34	57.15	3	Vertical	122	1.80	-	31.74	5.74	31.97
AV	5.15G	50.18	54.00	-3.82	44.71	3	Vertical	122	1.80	-	31.70	5.75	31.98
PK	5.2516G	128.02	Inf	-Inf	123.14	3	Vertical	122	1.80	-	31.10	5.80	32.02
AV	5.2516G	117.35	Inf	-Inf	112.47	3	Vertical	122	1.80	-	31.10	5.80	32.02
PK	5.3524G	61.40	74.00	-12.60	56.56	3	Vertical	122	1.80	-	31.11	5.80	32.07
AV	5.35G	49.98	54.00	-4.02	45.14	3	Vertical	122	1.80	-	31.10	5.80	32.06

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5260MHz_TnomVnom

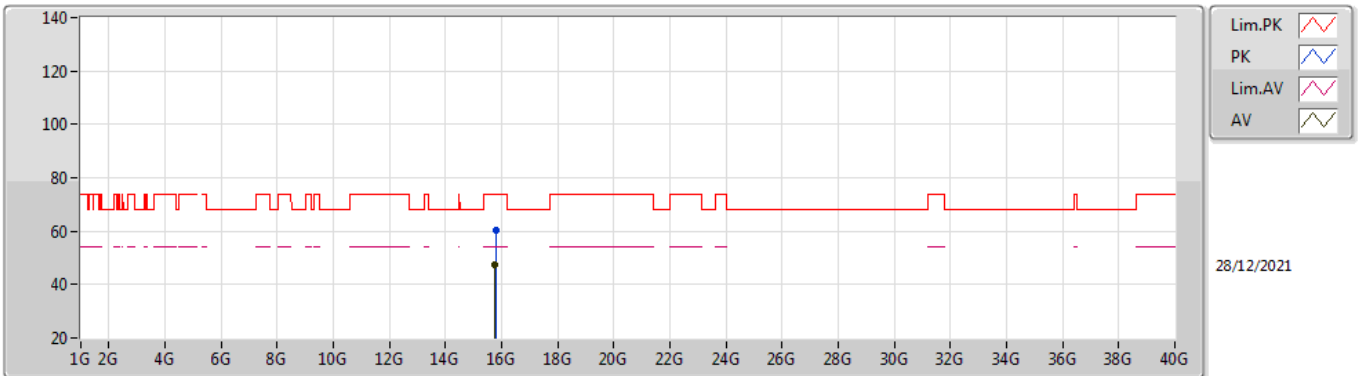


EUT_Z_4TX
Setting 108
06-F-S-5-13

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	5.1244G	59.75	74.00	-14.25	54.14	3	Horizontal	37	1.42	-	31.85	5.72	31.96
AV	5.137G	48.17	54.00	-5.83	42.62	3	Horizontal	37	1.42	-	31.78	5.74	31.97
PK	5.2612G	121.27	Inf	-Inf	116.39	3	Horizontal	37	1.42	-	31.10	5.80	32.02
AV	5.2618G	109.15	Inf	-Inf	104.28	3	Horizontal	37	1.42	-	31.10	5.80	32.03
PK	5.3518G	59.51	74.00	-14.49	54.66	3	Horizontal	37	1.42	-	31.11	5.80	32.06
AV	5.35G	47.57	54.00	-6.43	42.73	3	Horizontal	37	1.42	-	31.10	5.80	32.06

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5260MHz_TnomVnom

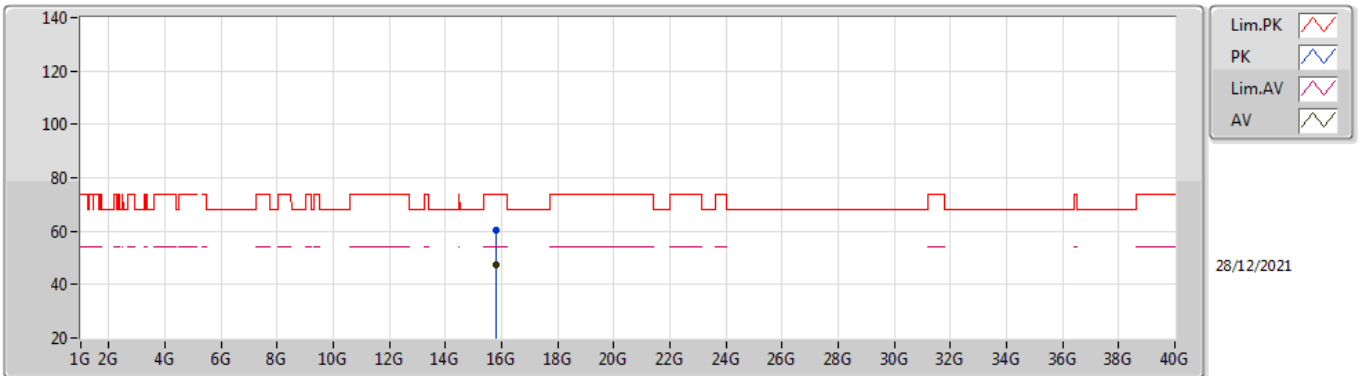


EUT_Z_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.78238G	60.18	74.00	-13.82	44.25	3	Vertical	74	2.77	-	37.80	12.46	34.33	
AV	15.77774G	47.41	54.00	-6.59	31.48	3	Vertical	74	2.77	-	37.80	12.46	34.33	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5260MHz_TnomVnom

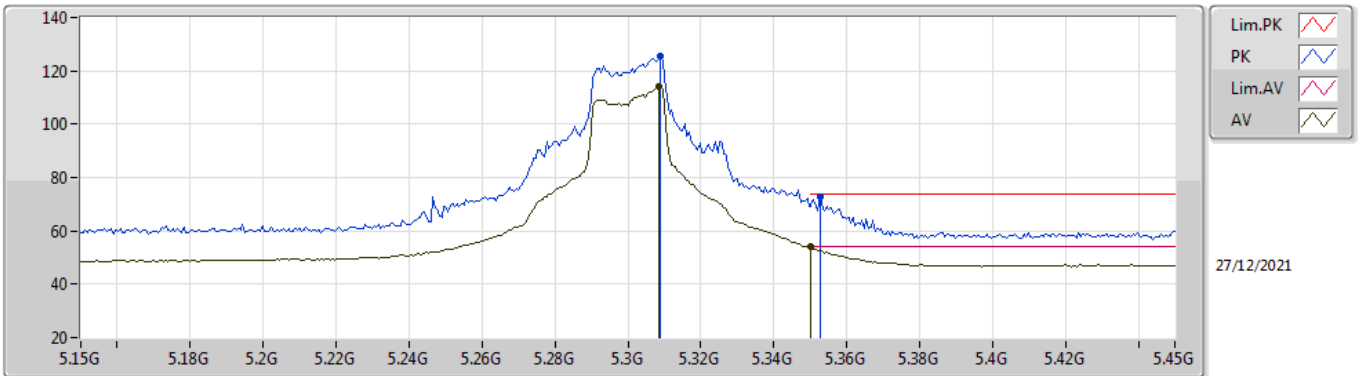


EUT_Z_4TX
Setting 108
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.77938G	60.32	74.00	-13.68	44.39	3	Horizontal	90	1.96	-	37.80	12.46	34.33
AV	15.78346G	47.54	54.00	-6.46	31.61	3	Horizontal	90	1.96	-	37.80	12.46	34.33

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5300MHz_TnomVnom

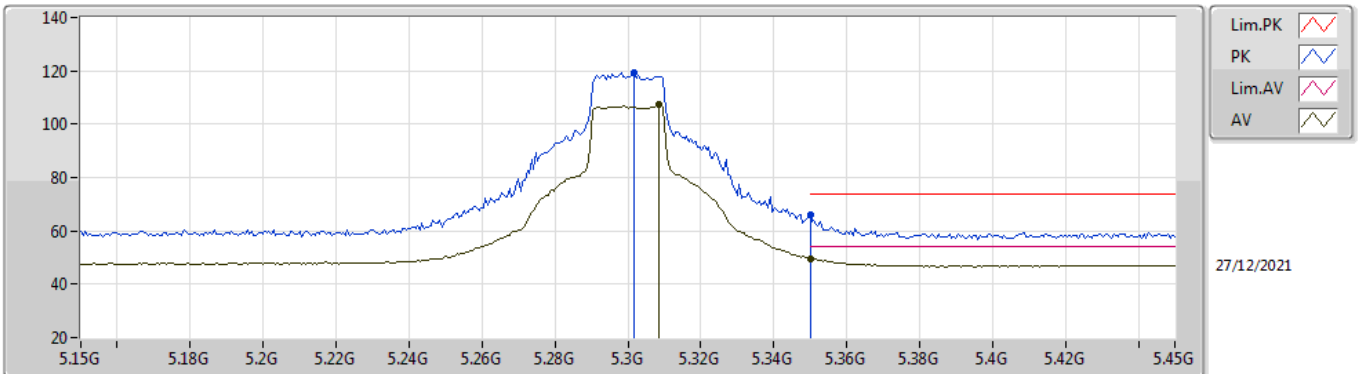


EUT_Z_4TX
Setting 100
06-F-S-5-13

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	5.309G	125.56	Inf	-Inf	120.71	3	Vertical	24.9	1.80	-	31.10	5.80	32.05	
AV	5.3084G	114.28	Inf	-Inf	109.43	3	Vertical	24.9	1.80	-	31.10	5.80	32.05	
PK	5.3528G	72.59	74.00	-1.41	67.74	3	Vertical	24.9	1.80	-	31.12	5.80	32.07	
AV	5.35G	53.88	54.00	-0.12	49.04	3	Vertical	24.9	1.80	-	31.10	5.80	32.06	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5300MHz_TnomVnom

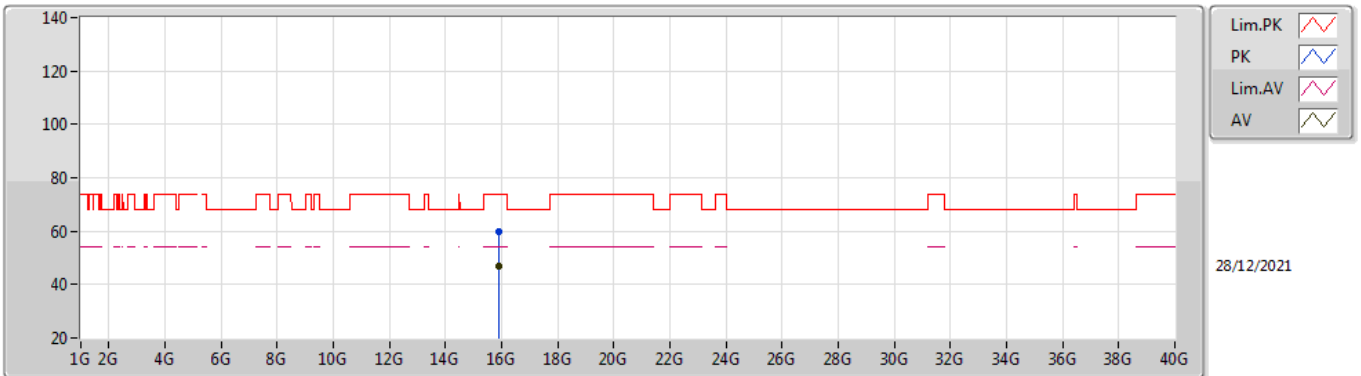


EUT_Z_4TX
Setting 100
06-F-S-5-13

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	5.3018G	119.35	Inf	-Inf	114.49	3	Horizontal	36	1.62	-	31.10	5.80	32.04	
AV	5.3084G	107.35	Inf	-Inf	102.50	3	Horizontal	36	1.62	-	31.10	5.80	32.05	
PK	5.35G	66.03	74.00	-7.97	61.19	3	Horizontal	36	1.62	-	31.10	5.80	32.06	
AV	5.35G	49.53	54.00	-4.47	44.69	3	Horizontal	36	1.62	-	31.10	5.80	32.06	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5300MHz_TnomVnom

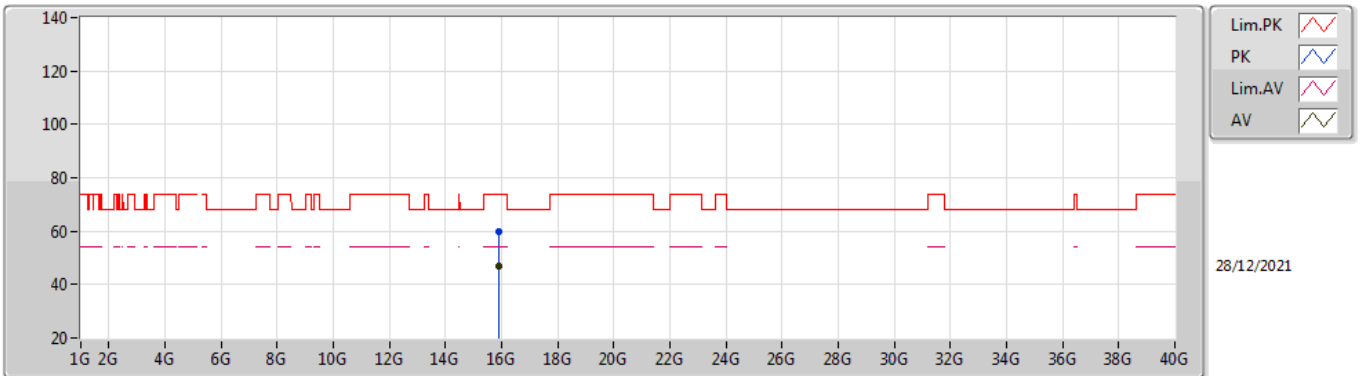


EUT_Z_4TX
Setting 100
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.89984G	59.81	74.00	-14.19	44.06	3	Vertical	292	1.42	-	37.60	12.53	34.38
AV	15.90116G	46.83	54.00	-7.17	31.07	3	Vertical	292	1.42	-	37.60	12.54	34.38

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5300MHz_TnomVnom

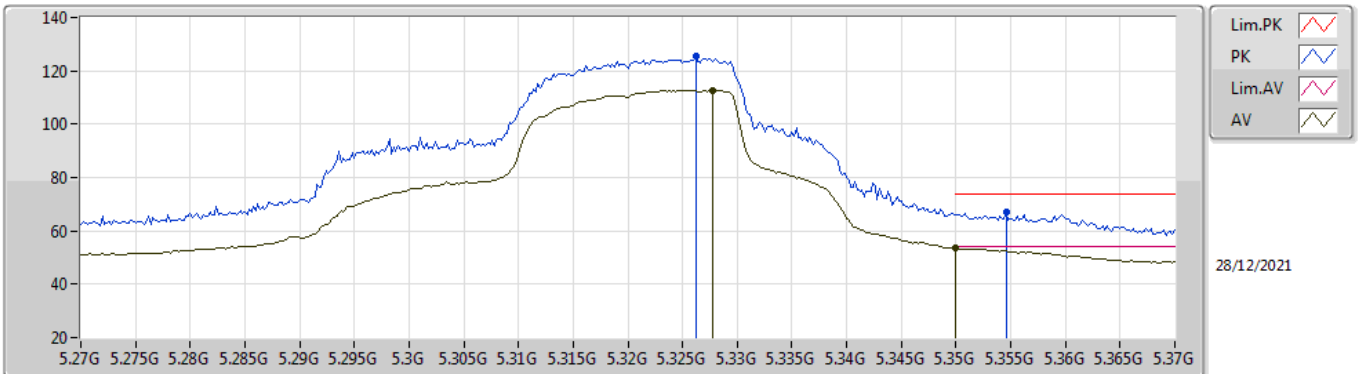


EUT_Z_4TX
Setting 100
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.89934G	60.00	74.00	-14.00	44.25	3	Horizontal	21	3.00	-	37.60	12.53	34.38
AV	15.9022G	46.98	54.00	-7.02	31.22	3	Horizontal	21	3.00	-	37.60	12.54	34.38

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5320MHz_TnomVnom

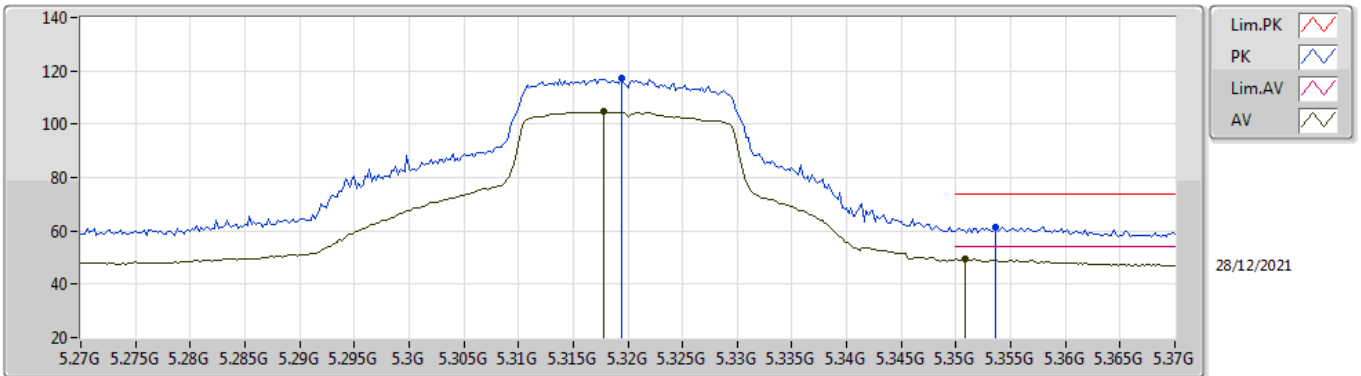


EUT_Z_4TX
Setting 96
06-F-S-5-13

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	5.3262G	125.35	Inf	-Inf	120.50	3	Vertical	236	1.80	-	31.10	5.80	32.05
AV	5.3278G	112.61	Inf	-Inf	107.76	3	Vertical	236	1.80	-	31.10	5.80	32.05
PK	5.3546G	67.29	74.00	-6.71	62.43	3	Vertical	236	1.80	-	31.13	5.80	32.07
AV	5.35G	53.80	54.00	-0.20	48.96	3	Vertical	236	1.80	-	31.10	5.80	32.06

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5320MHz_TnomVnom

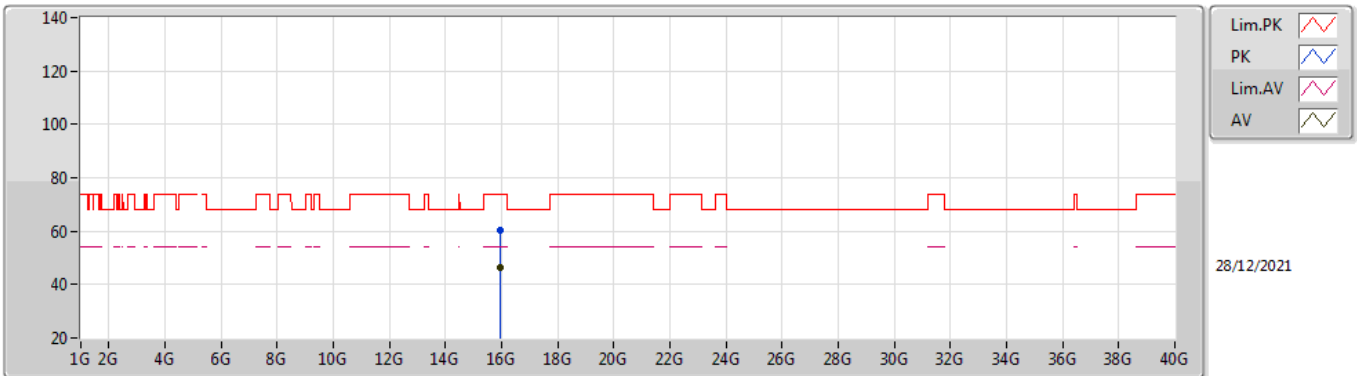


EUT_Z_4TX
Setting 96
06-F-S-5-13

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	5.3194G	117.32	Inf	-Inf	112.47	3	Horizontal	36.8	1.80	-	31.10	5.80	32.05	
AV	5.3178G	104.58	Inf	-Inf	99.73	3	Horizontal	36.8	1.80	-	31.10	5.80	32.05	
PK	5.3536G	61.26	74.00	-12.74	56.41	3	Horizontal	36.8	1.80	-	31.12	5.80	32.07	
AV	5.3508G	49.35	54.00	-4.65	44.51	3	Horizontal	36.8	1.80	-	31.10	5.80	32.06	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5320MHz_TnomVnom

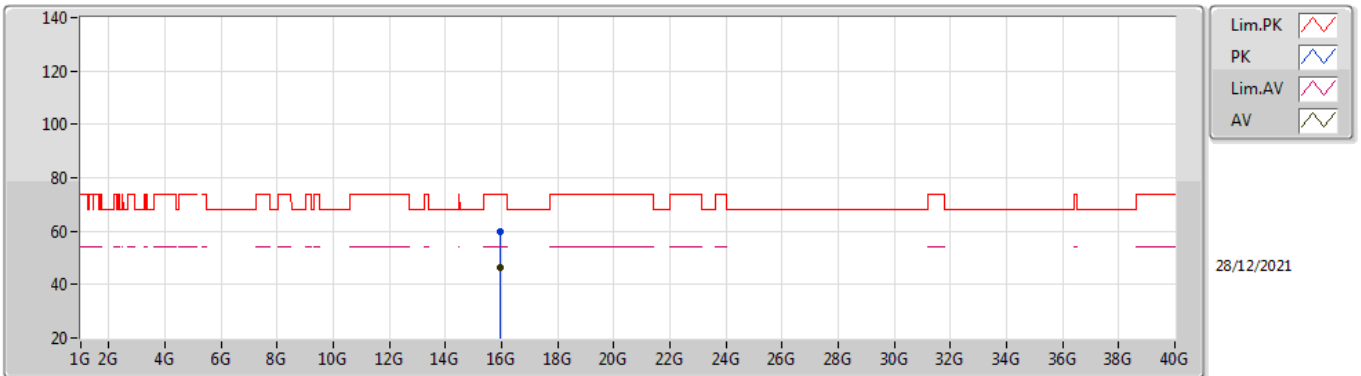


EUT_Z_4TX
Setting 96
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.96008G	60.16	74.00	-13.84	44.51	3	Vertical	210	2.19	-	37.48	12.57	34.40	
AV	15.9584G	46.39	54.00	-7.61	30.74	3	Vertical	210	2.19	-	37.48	12.57	34.40	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5320MHz_TnomVnom

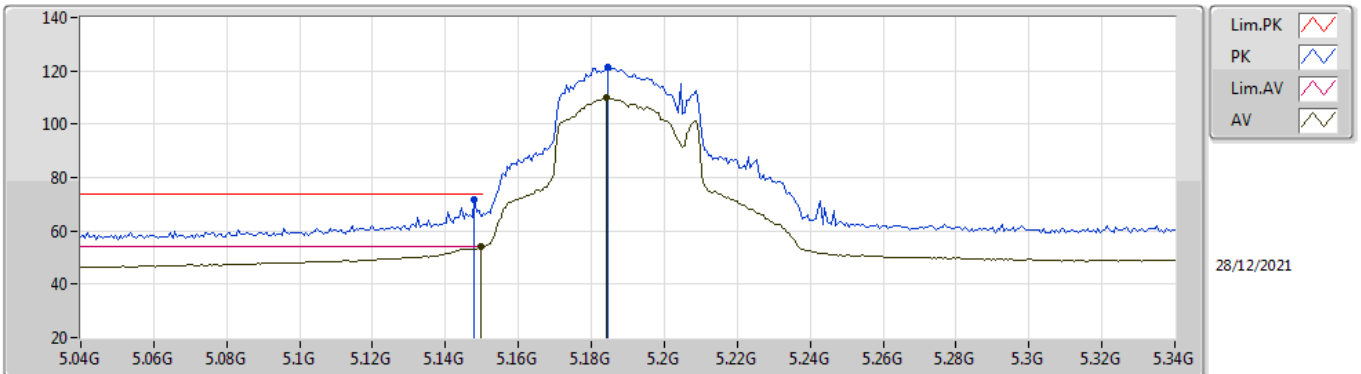


EUT_Z_4TX
Setting 96
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.96364G	59.83	74.00	-14.17	44.19	3	Horizontal	89	2.28	-	37.47	12.58	34.41	
AV	15.9565G	46.41	54.00	-7.59	30.75	3	Horizontal	89	2.28	-	37.49	12.57	34.40	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

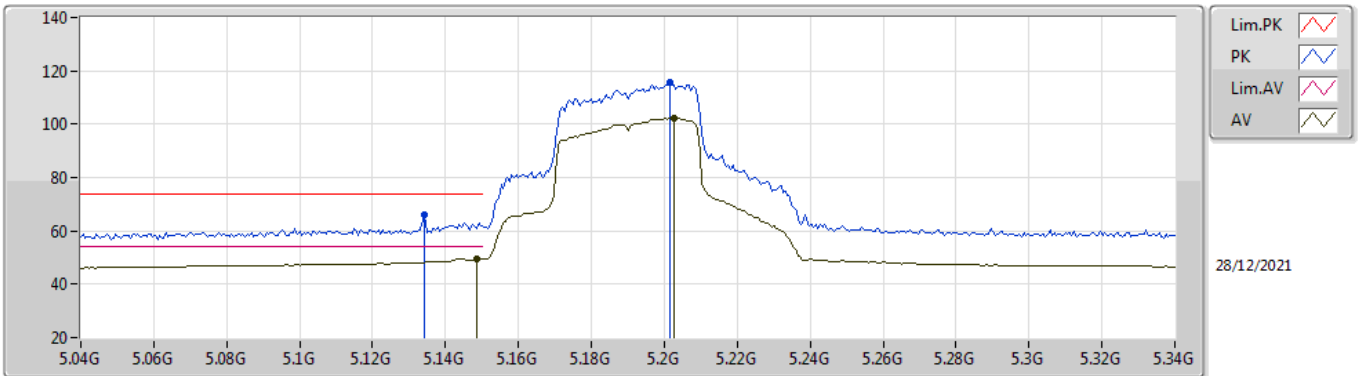


EUT_Z_4TX
Setting 92
06-F-S-5-13

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	5.148G	71.75	74.00	-2.25	66.27	3	Vertical	8	1.80	-	31.71	5.75	31.98	
AV	5.1498G	53.89	54.00	-0.11	48.42	3	Vertical	8	1.80	-	31.70	5.75	31.98	
PK	5.1846G	121.41	Inf	-Inf	116.13	3	Vertical	8	1.80	-	31.49	5.78	31.99	
AV	5.184G	109.77	Inf	-Inf	104.48	3	Vertical	8	1.80	-	31.50	5.78	31.99	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

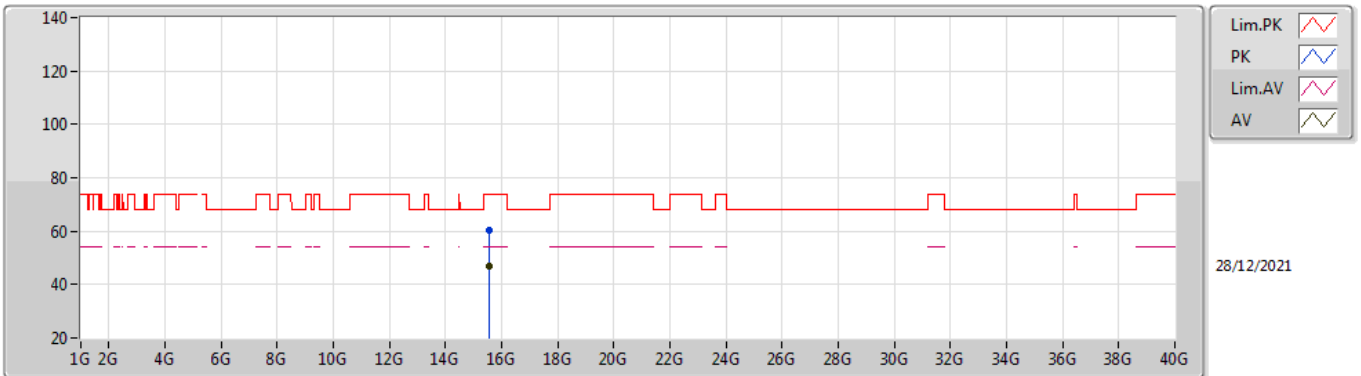


EUT_Z_4TX
Setting 92
06-F-S-5-13

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	5.1342G	65.79	74.00	-8.21	60.24	3	Horizontal	37	1.54	-	31.79	5.73	31.97	
AV	5.1486G	49.63	54.00	-4.37	44.15	3	Horizontal	37	1.54	-	31.71	5.75	31.98	
PK	5.2014G	115.44	Inf	-Inf	110.25	3	Horizontal	37	1.54	-	31.39	5.80	32.00	
AV	5.2026G	102.22	Inf	-Inf	97.04	3	Horizontal	37	1.54	-	31.38	5.80	32.00	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

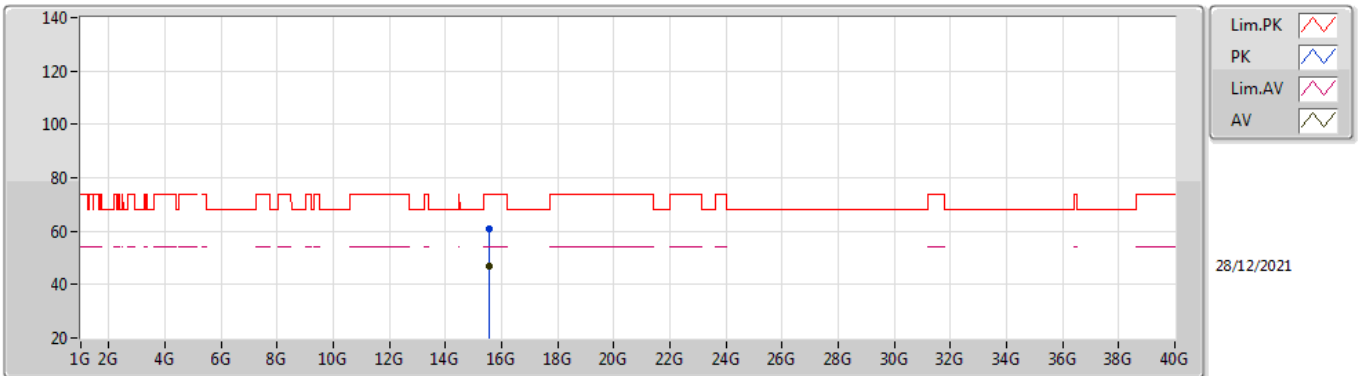


EUT_Z_4TX
Setting 92
06-F-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5654G	60.13	74.00	-13.87	43.69	3	Vertical	176	2.67	-	38.37	12.32	34.25
AV	15.56714G	46.75	54.00	-7.25	30.32	3	Vertical	176	2.67	-	38.36	12.32	34.25

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

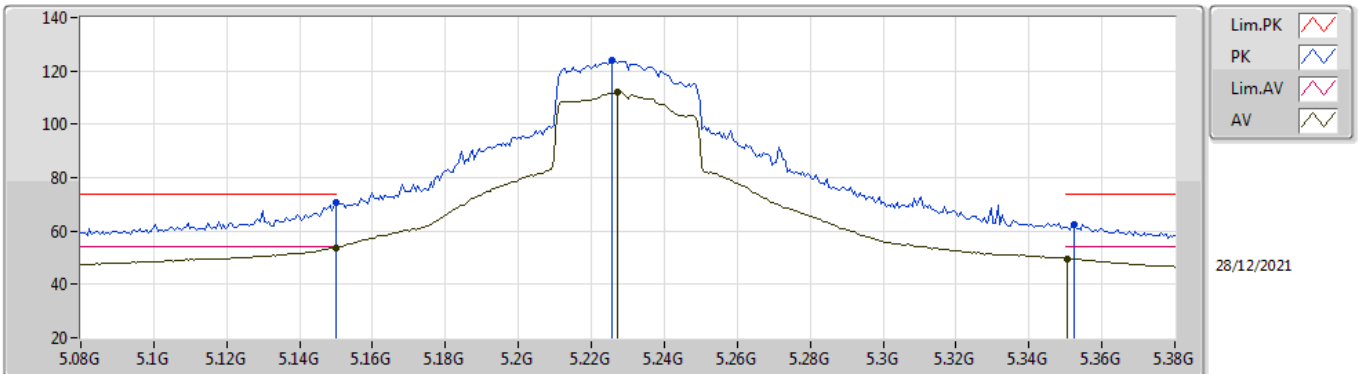


EUT_Z_4TX
Setting 92
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.56954G	60.77	74.00	-13.23	44.35	3	Horizontal	289	1.28	-	38.35	12.32	34.25
AV	15.56794G	46.67	54.00	-7.33	30.24	3	Horizontal	289	1.28	-	38.36	12.32	34.25

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

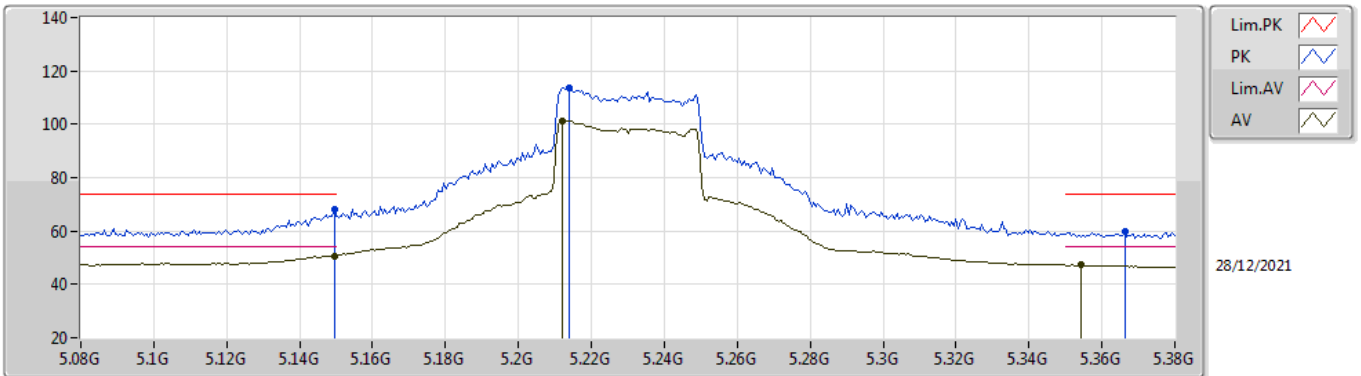


EUT_Z_4TX
Setting 96
06-F-S-5-13

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	70.92	74.00	-3.08	65.45	3	Vertical	225	1.78	-	31.70	5.75	31.98
AV	5.15G	53.82	54.00	-0.18	48.35	3	Vertical	225	1.78	-	31.70	5.75	31.98
PK	5.2258G	123.91	Inf	-Inf	118.87	3	Vertical	225	1.78	-	31.25	5.80	32.01
AV	5.227G	111.99	Inf	-Inf	106.96	3	Vertical	225	1.78	-	31.24	5.80	32.01
PK	5.3524G	62.37	74.00	-11.63	57.53	3	Vertical	225	1.78	-	31.11	5.80	32.07
AV	5.3506G	49.56	54.00	-4.44	44.72	3	Vertical	225	1.78	-	31.10	5.80	32.06

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

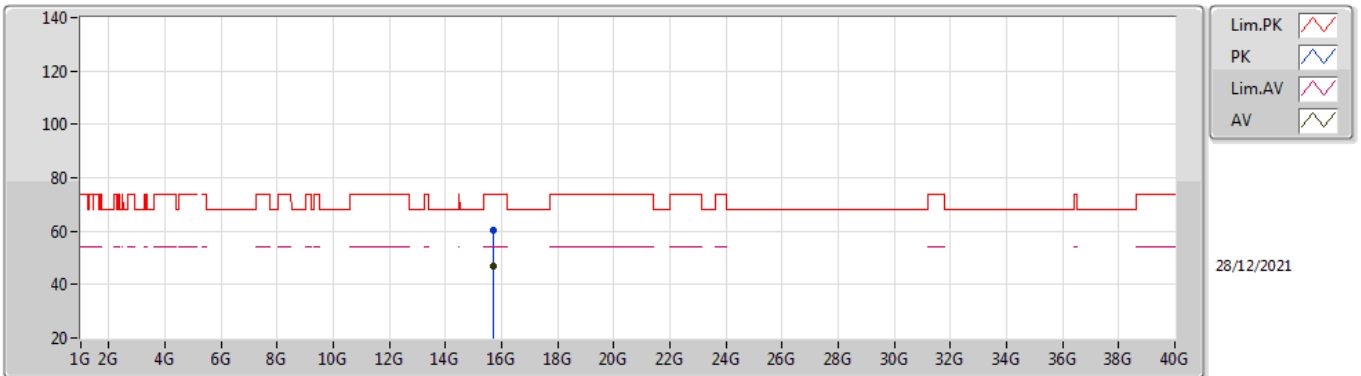


EUT_Z_4TX
Setting 96
06-F-S-5-13

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	68.26	74.00	-5.74	62.79	3	Horizontal	35.8	1.80	-	31.70	5.75	31.98
AV	5.1496G	50.72	54.00	-3.28	45.25	3	Horizontal	35.8	1.80	-	31.70	5.75	31.98
PK	5.2138G	113.81	Inf	-Inf	108.69	3	Horizontal	35.8	1.80	-	31.32	5.80	32.00
AV	5.212G	101.39	Inf	-Inf	96.26	3	Horizontal	35.8	1.80	-	31.33	5.80	32.00
PK	5.3662G	60.01	74.00	-13.99	55.08	3	Horizontal	35.8	1.80	-	31.20	5.80	32.07
AV	5.3542G	47.22	54.00	-6.78	42.36	3	Horizontal	35.8	1.80	-	31.13	5.80	32.07

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

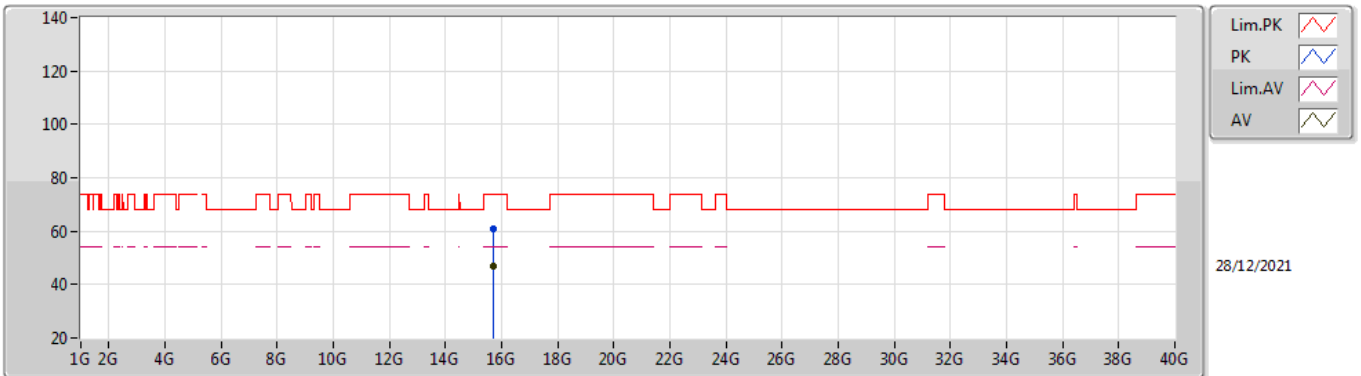


EUT_Z_4TX
Setting 96
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.69466G	60.33	74.00	-13.67	44.41	3	Vertical	75	1.47	-	37.82	12.40	34.30	
AV	15.69392G	46.80	54.00	-7.20	30.88	3	Vertical	75	1.47	-	37.82	12.40	34.30	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

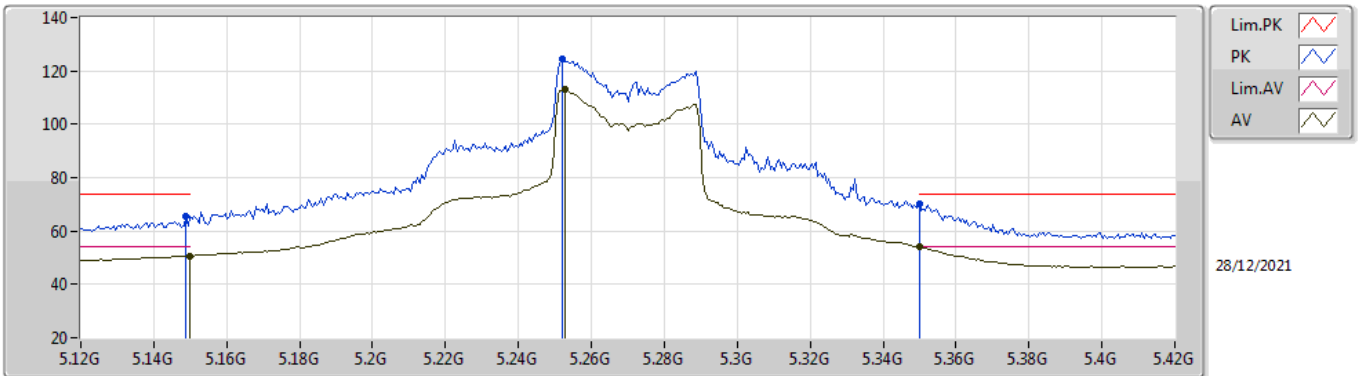


EUT_Z_4TX
Setting 96
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.68546G	60.70	74.00	-13.30	44.73	3	Horizontal	94	2.54	-	37.86	12.40	34.29	
AV	15.6904G	47.03	54.00	-6.97	31.09	3	Horizontal	94	2.54	-	37.84	12.40	34.30	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5270MHz_TnomVnom

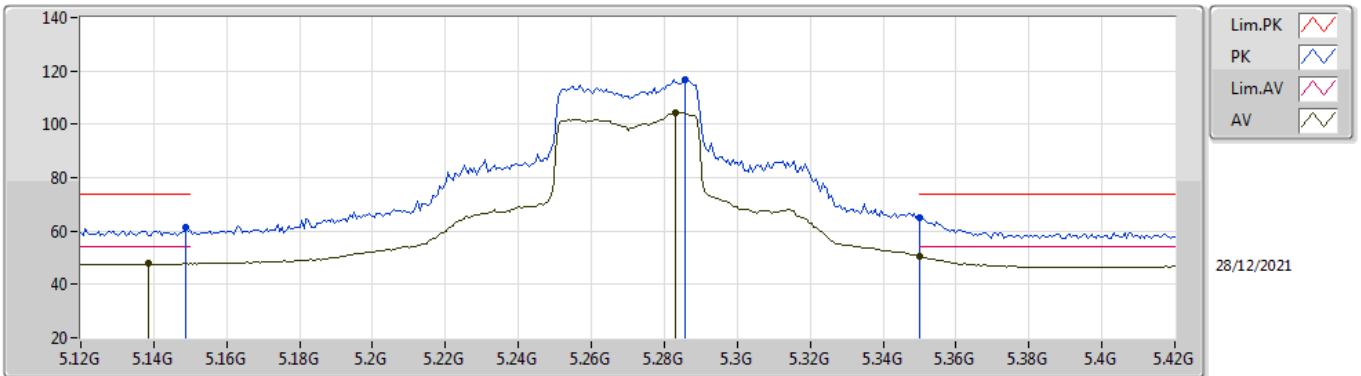


EUT_Z_4TX
Setting 94
06-F-S-5-13

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	65.45	74.00	-8.55	59.97	3	Vertical	123	1.80	-	31.71	5.75	31.98
AV	5.15G	50.72	54.00	-3.28	45.25	3	Vertical	123	1.80	-	31.70	5.75	31.98
PK	5.252G	124.44	Inf	-Inf	119.56	3	Vertical	123	1.80	-	31.10	5.80	32.02
AV	5.2526G	112.85	Inf	-Inf	107.97	3	Vertical	123	1.80	-	31.10	5.80	32.02
PK	5.35G	69.93	74.00	-4.07	65.09	3	Vertical	123	1.80	-	31.10	5.80	32.06
AV	5.35G	53.97	54.00	-0.03	49.13	3	Vertical	123	1.80	-	31.10	5.80	32.06

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5270MHz_TnomVnom

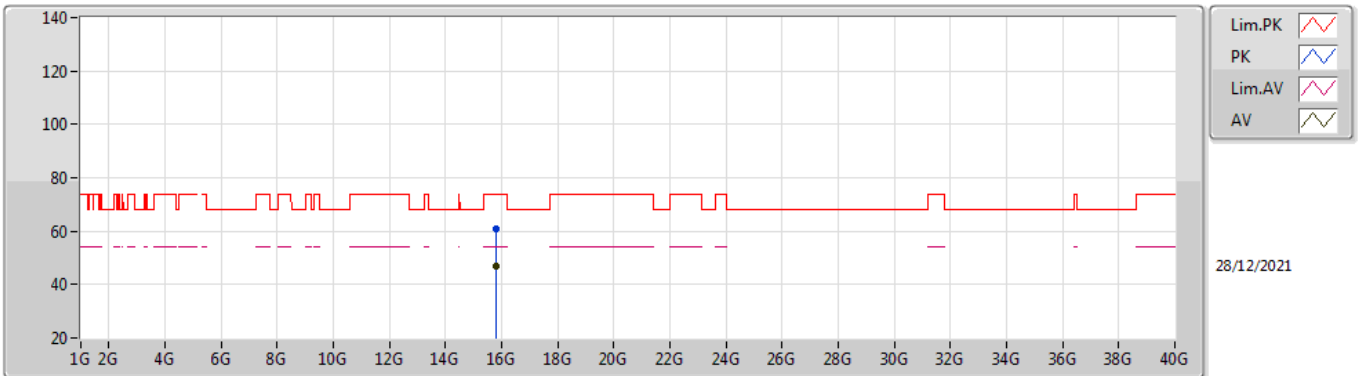


EUT_Z_4TX
Setting 94
06-F-S-5-13

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	61.13	74.00	-12.87	55.65	3	Horizontal	35	1.61	-	31.71	5.75	31.98
AV	5.1386G	47.73	54.00	-6.27	42.19	3	Horizontal	35	1.61	-	31.77	5.74	31.97
PK	5.2856G	116.77	Inf	-Inf	111.91	3	Horizontal	35	1.61	-	31.10	5.80	32.04
AV	5.2832G	104.38	Inf	-Inf	99.51	3	Horizontal	35	1.61	-	31.10	5.80	32.03
PK	5.35G	64.80	74.00	-9.20	59.96	3	Horizontal	35	1.61	-	31.10	5.80	32.06
AV	5.35G	50.26	54.00	-3.74	45.42	3	Horizontal	35	1.61	-	31.10	5.80	32.06

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5270MHz_TnomVnom

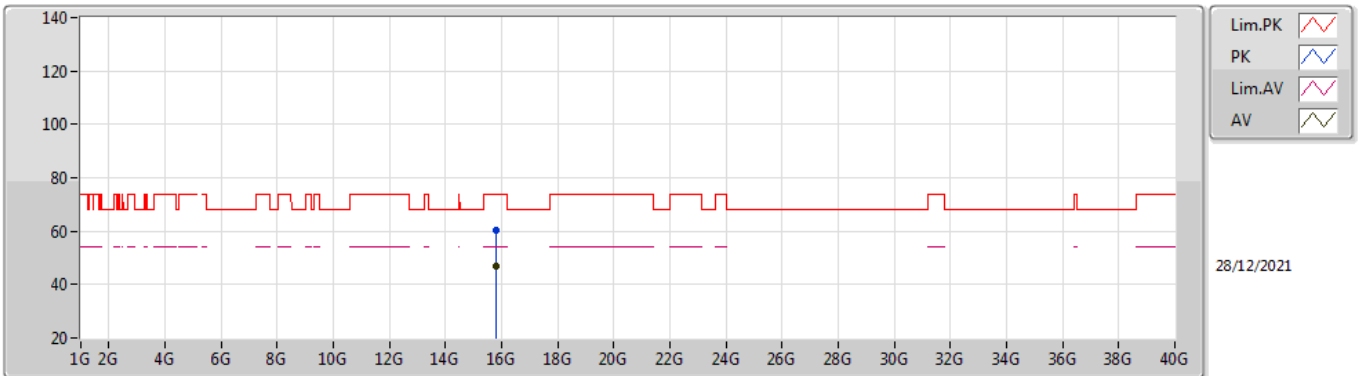


EUT_Z_4TX
Setting 94
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.81298G	60.75	74.00	-13.25	44.85	3	Vertical	307	1.07	-	37.77	12.48	34.35
AV	15.80626G	46.66	54.00	-7.34	30.74	3	Vertical	307	1.07	-	37.79	12.47	34.34

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5270MHz_TnomVnom

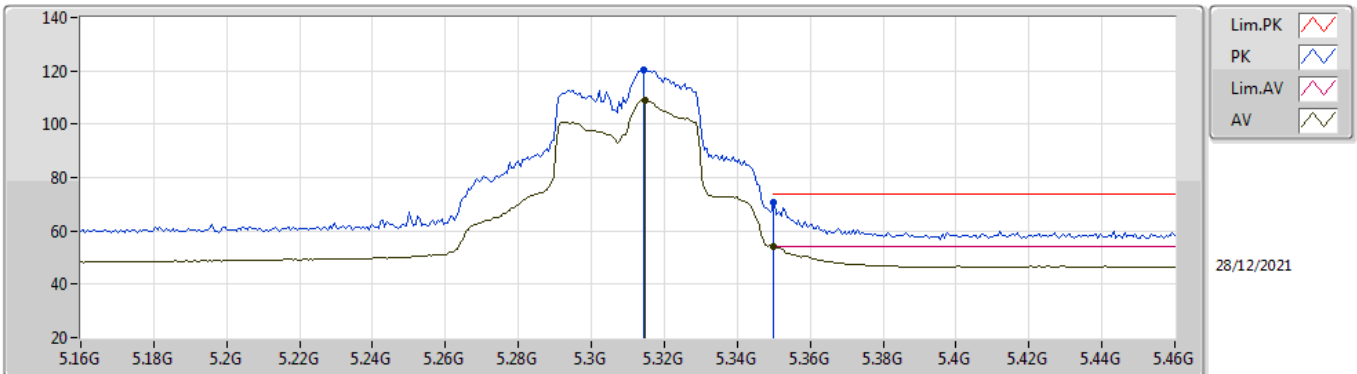


EUT_Z_4TX
Setting 94
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.8108G	60.16	74.00	-13.84	44.24	3	Horizontal	211	3.00	-	37.78	12.48	34.34
AV	15.8051G	46.74	54.00	-7.26	30.82	3	Horizontal	211	3.00	-	37.79	12.47	34.34

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5310MHz_TnomVnom

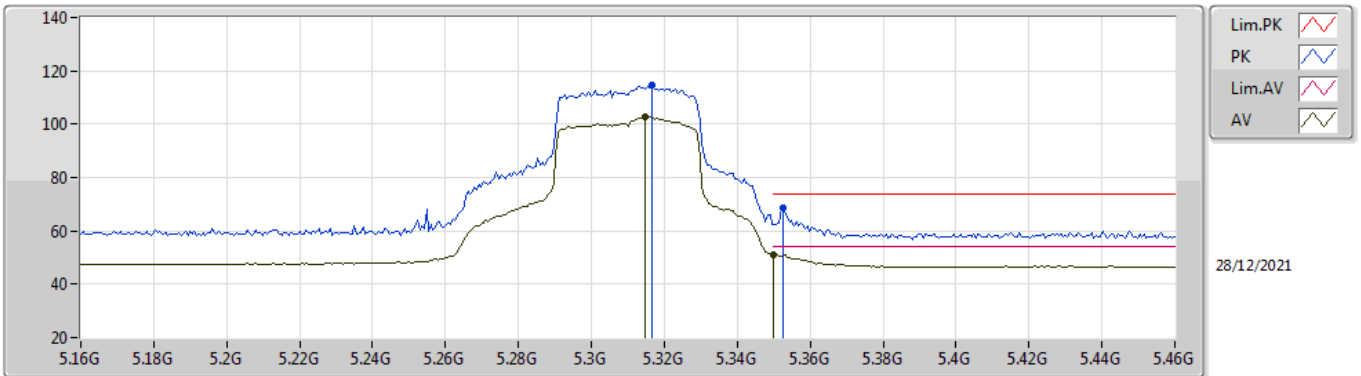


EUT_Z_4TX
Setting 90
06-F-S-5-13

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	5.3142G	120.55	Inf	-Inf	115.70	3	Vertical	6	1.80	-	31.10	5.80	32.05
AV	5.3148G	108.91	Inf	-Inf	104.06	3	Vertical	6	1.80	-	31.10	5.80	32.05
PK	5.35G	70.89	74.00	-3.11	66.05	3	Vertical	6	1.80	-	31.10	5.80	32.06
AV	5.35G	53.97	54.00	-0.03	49.13	3	Vertical	6	1.80	-	31.10	5.80	32.06

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5310MHz_TnomVnom

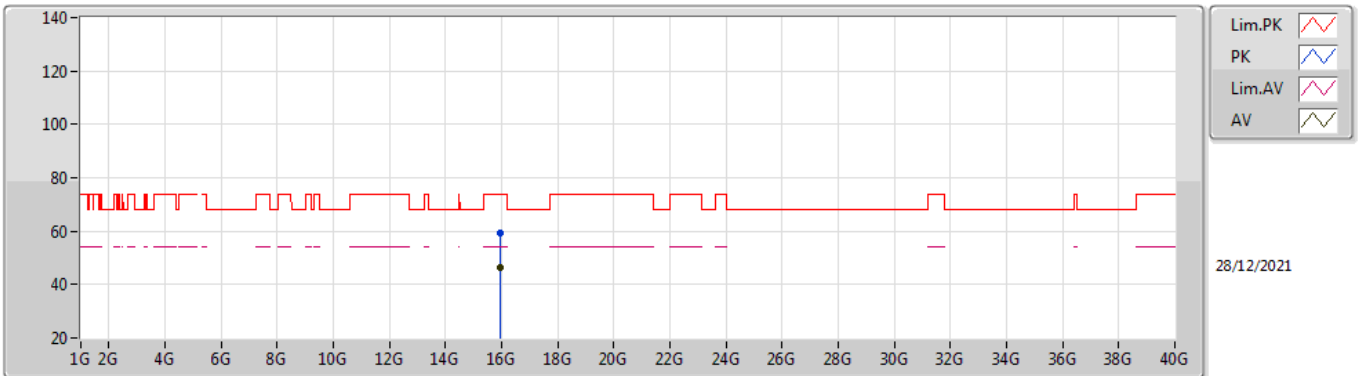


EUT_Z_4TX
Setting 90
06-F-S-5-13

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	5.3166G	114.80	Inf	-Inf	109.95	3	Horizontal	38	1.40	-	31.10	5.80	32.05	
AV	5.3148G	102.90	Inf	-Inf	98.05	3	Horizontal	38	1.40	-	31.10	5.80	32.05	
PK	5.3526G	68.74	74.00	-5.26	63.89	3	Horizontal	38	1.40	-	31.12	5.80	32.07	
AV	5.35G	51.08	54.00	-2.92	46.24	3	Horizontal	38	1.40	-	31.10	5.80	32.06	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5310MHz_TnomVnom

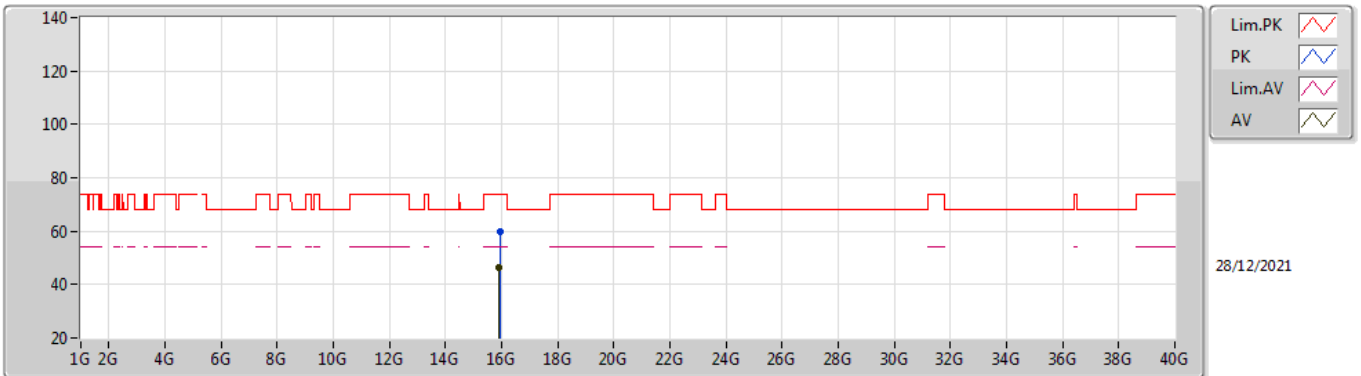


EUT_Z_4TX
Setting 90
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.92804G	59.42	74.00	-14.58	43.72	3	Vertical	69	1.95	-	37.54	12.55	34.39
AV	15.93172G	46.15	54.00	-7.85	30.44	3	Vertical	69	1.95	-	37.54	12.56	34.39

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5310MHz_TnomVnom

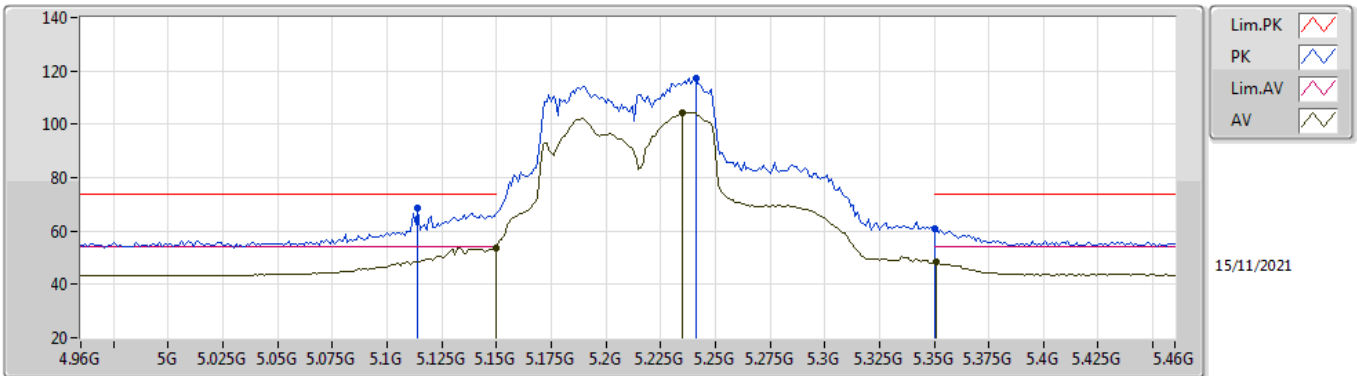


EUT_Z_4TX
Setting 90
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.9298G	59.81	74.00	-14.19	44.11	3	Horizontal	313	2.37	-	37.54	12.55	34.39
AV	15.92516G	46.30	54.00	-7.70	30.59	3	Horizontal	313	2.37	-	37.55	12.55	34.39

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

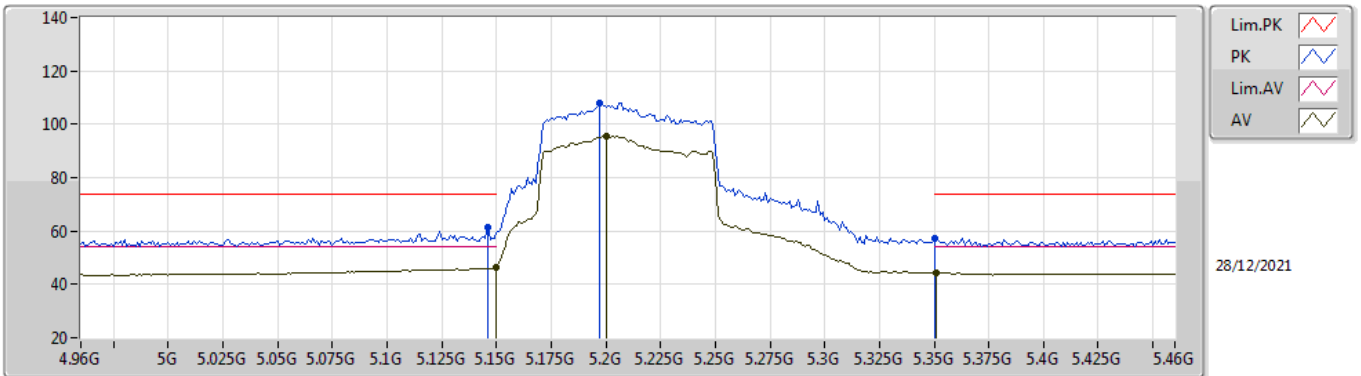


EUT_Z_4TX
Setting 90
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.114G	68.64	74.00	-5.36	62.97	3	Vertical	329.2	1.79	-	31.92	5.71	31.96
AV	5.15G	53.79	54.00	-0.21	48.32	3	Vertical	329.2	1.79	-	31.70	5.75	31.98
PK	5.241G	117.23	Inf	-Inf	112.30	3	Vertical	329.2	1.79	-	31.15	5.80	32.02
AV	5.235G	104.37	Inf	-Inf	99.39	3	Vertical	329.2	1.79	-	31.19	5.80	32.01
PK	5.35G	60.63	74.00	-13.37	55.79	3	Vertical	329.2	1.79	-	31.10	5.80	32.06
AV	5.351G	48.26	54.00	-5.74	43.41	3	Vertical	329.2	1.79	-	31.11	5.80	32.06

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

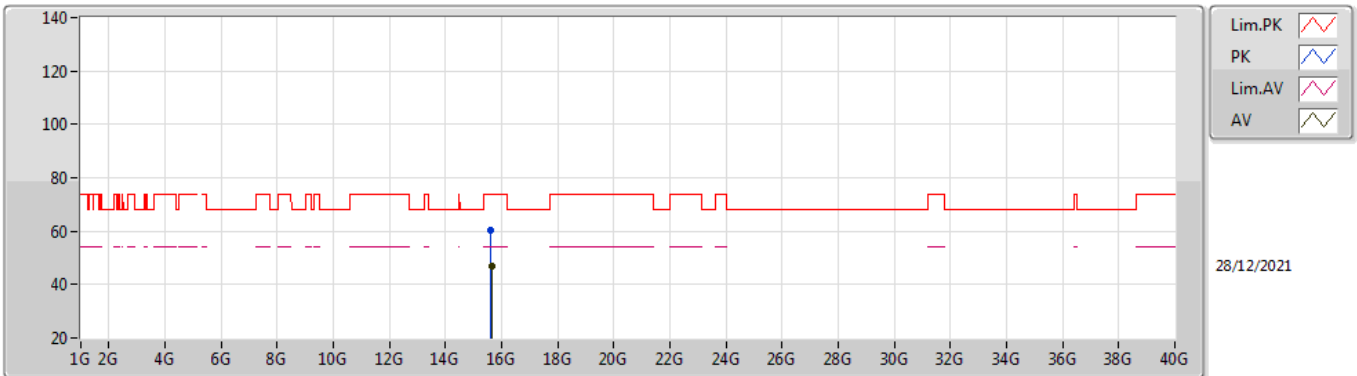


EUT_Z_4TX
Setting 90
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.146G	61.27	74.00	-12.73	55.77	3	Horizontal	37.7	2.02	-	31.72	5.75	31.97
AV	5.15G	46.54	54.00	-7.46	41.07	3	Horizontal	37.7	2.02	-	31.70	5.75	31.98
PK	5.197G	107.90	Inf	-Inf	102.68	3	Horizontal	37.7	2.02	-	31.42	5.80	32.00
AV	5.2G	95.34	Inf	-Inf	90.14	3	Horizontal	37.7	2.02	-	31.40	5.80	32.00
PK	5.35G	57.03	74.00	-16.97	52.19	3	Horizontal	37.7	2.02	-	31.10	5.80	32.06
AV	5.351G	44.38	54.00	-9.62	39.53	3	Horizontal	37.7	2.02	-	31.11	5.80	32.06

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

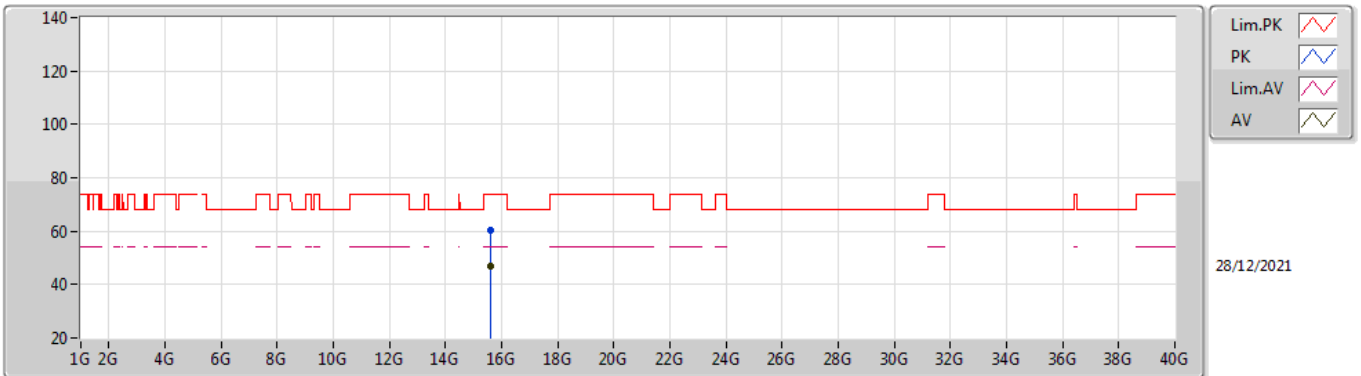


EUT_Z_4TX
Setting 90
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.6253G	60.45	74.00	-13.55	44.26	3	Vertical	168	1.19	-	38.10	12.36	34.27	
AV	15.6325G	46.79	54.00	-7.21	30.63	3	Vertical	168	1.19	-	38.07	12.36	34.27	

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

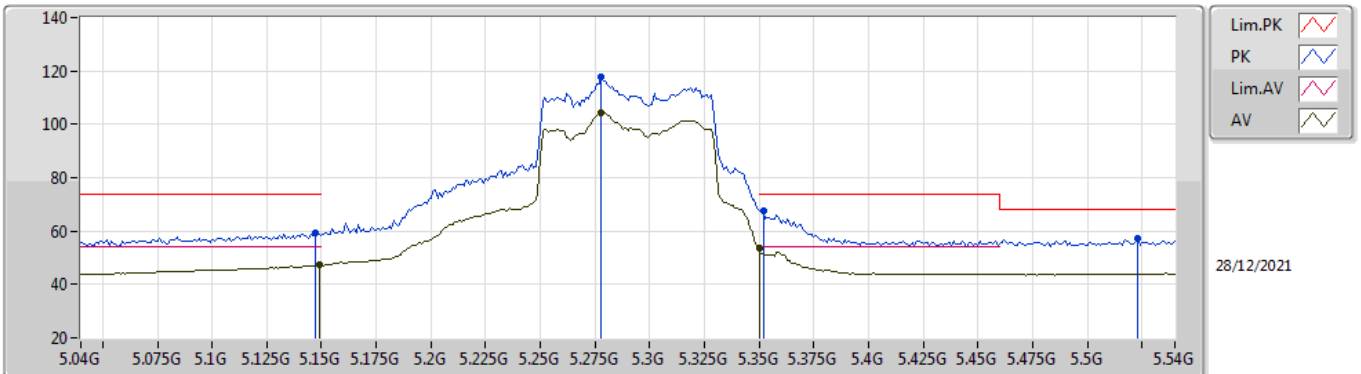


EUT_Z_4TX
Setting 90
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.6278G	60.55	74.00	-13.45	44.37	3	Horizontal	156	2.19	-	38.09	12.36	34.27
AV	15.62846G	46.84	54.00	-7.16	30.66	3	Horizontal	156	2.19	-	38.09	12.36	34.27

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5290MHz_TnomVnom

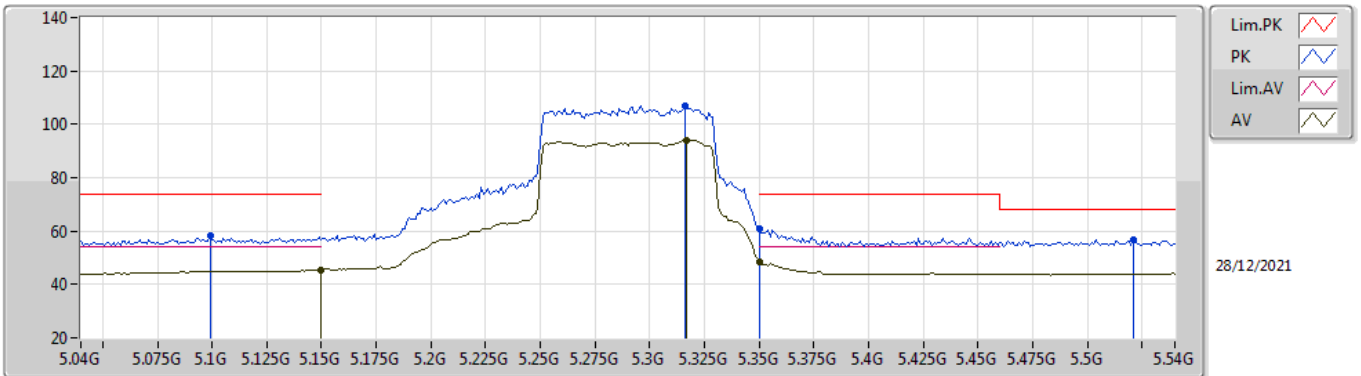


EUT_Z_4TX
Setting 91
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.147G	59.41	74.00	-14.59	53.91	3	Vertical	28.3	1.80	-	31.72	5.75	31.97
AV	5.149G	47.23	54.00	-6.77	41.75	3	Vertical	28.3	1.80	-	31.71	5.75	31.98
PK	5.278G	117.72	Inf	-Inf	112.85	3	Vertical	28.3	1.80	-	31.10	5.80	32.03
AV	5.278G	104.39	Inf	-Inf	99.52	3	Vertical	28.3	1.80	-	31.10	5.80	32.03
PK	5.352G	67.68	74.00	-6.32	62.83	3	Vertical	28.3	1.80	-	31.11	5.80	32.06
AV	5.35G	53.78	54.00	-0.22	48.94	3	Vertical	28.3	1.80	-	31.10	5.80	32.06
PK	5.523G	57.14	68.20	-11.06	51.86	3	Vertical	28.3	1.80	-	31.50	5.92	32.14

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5290MHz_TnomVnom

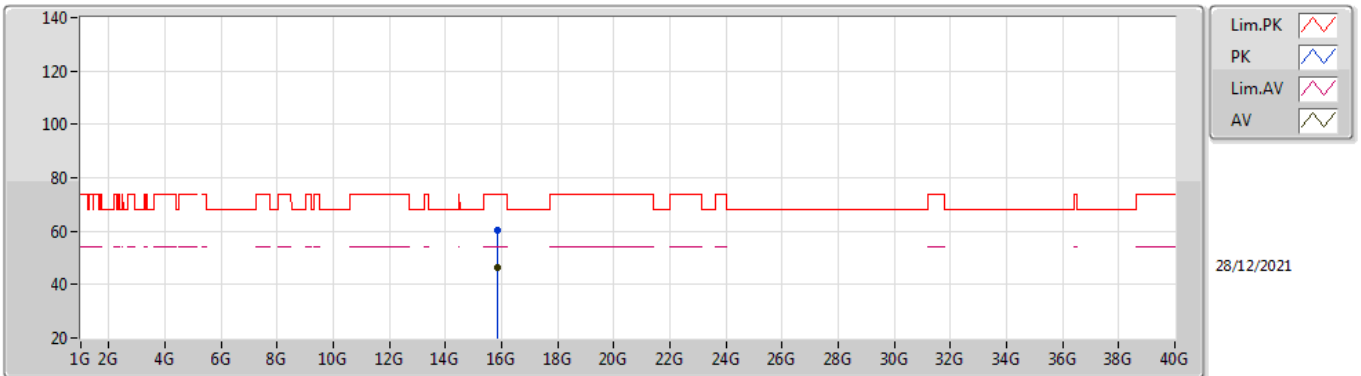


EUT_Z_4TX
Setting 91
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.099G	58.49	74.00	-15.51	52.75	3	Horizontal	39	2.72	-	31.99	5.70	31.95
AV	5.15G	45.45	54.00	-8.55	39.98	3	Horizontal	39	2.72	-	31.70	5.75	31.98
PK	5.316G	107.03	Inf	-Inf	102.18	3	Horizontal	39	2.72	-	31.10	5.80	32.05
AV	5.317G	94.17	Inf	-Inf	89.32	3	Horizontal	39	2.72	-	31.10	5.80	32.05
PK	5.35G	61.09	74.00	-12.91	56.25	3	Horizontal	39	2.72	-	31.10	5.80	32.06
AV	5.35G	48.59	54.00	-5.41	43.75	3	Horizontal	39	2.72	-	31.10	5.80	32.06
PK	5.521G	56.53	68.20	-11.67	51.25	3	Horizontal	39	2.72	-	31.50	5.92	32.14

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5290MHz_TnomVnom

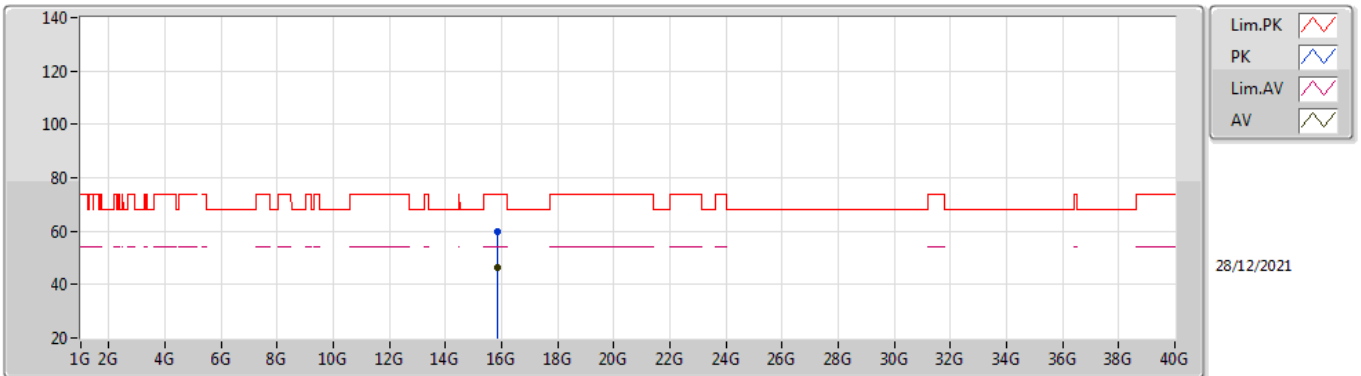


EUT_Z_4TX
Setting 91
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.87356G	60.14	74.00	-13.86	44.34	3	Vertical	223	2.61	-	37.65	12.52	34.37
AV	15.86554G	46.59	54.00	-7.41	30.78	3	Vertical	223	2.61	-	37.67	12.51	34.37

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5290MHz_TnomVnom

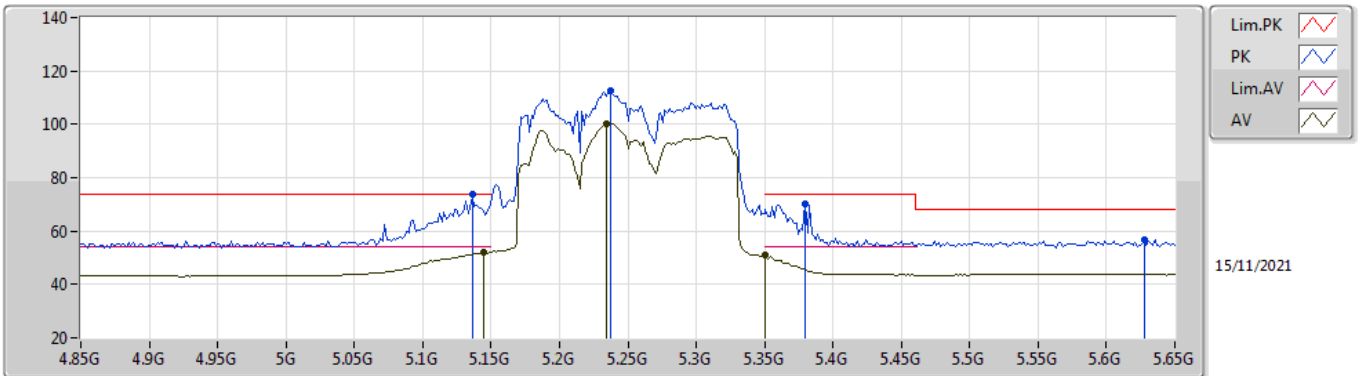


EUT_Z_4TX
Setting 91
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.87462G	60.07	74.00	-13.93	44.27	3	Horizontal	149	1.29	-	37.65	12.52	34.37	
AV	15.87206G	46.50	54.00	-7.50	30.69	3	Horizontal	149	1.29	-	37.66	12.52	34.37	

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5250MHz Straddle 5.25-5.35GHz_TnomVnom

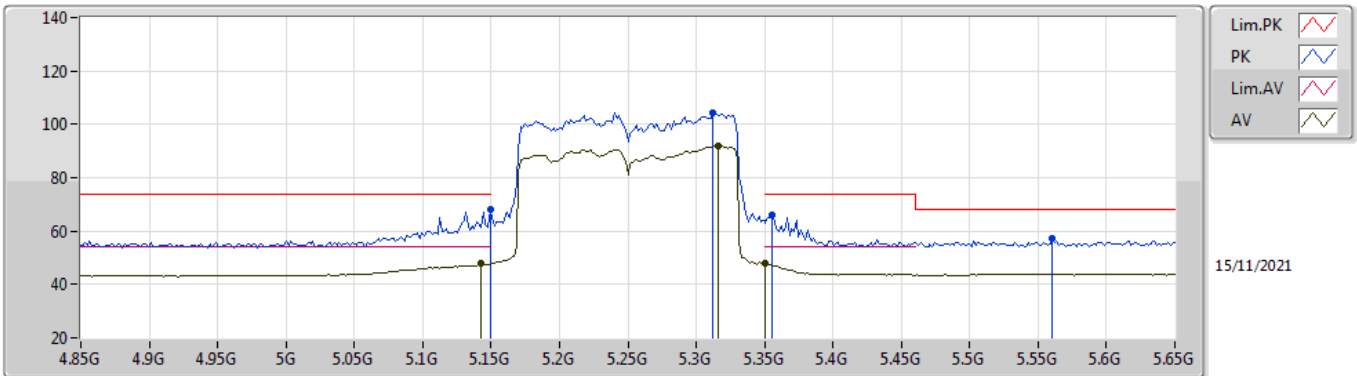


EUT_Z_4TX
Setting 78
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1364G	73.76	74.00	-0.24	68.21	3	Vertical	329.3	1.80	-	31.78	5.74	31.97
AV	5.1444G	51.87	54.00	-2.13	46.37	3	Vertical	329.3	1.80	-	31.73	5.74	31.97
PK	5.2372G	112.34	Inf	-Inf	107.37	3	Vertical	329.3	1.80	-	31.18	5.80	32.01
AV	5.234G	100.16	Inf	-Inf	95.17	3	Vertical	329.3	1.80	-	31.20	5.80	32.01
PK	5.3796G	70.25	74.00	-3.75	65.25	3	Vertical	329.3	1.80	-	31.28	5.80	32.08
AV	5.35G	50.87	54.00	-3.13	46.03	3	Vertical	329.3	1.80	-	31.10	5.80	32.06
PK	5.6276G	56.96	68.20	-11.24	51.57	3	Vertical	329.3	1.80	-	31.60	6.00	32.21

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5250MHz Straddle 5.25-5.35GHz_TnomVnom

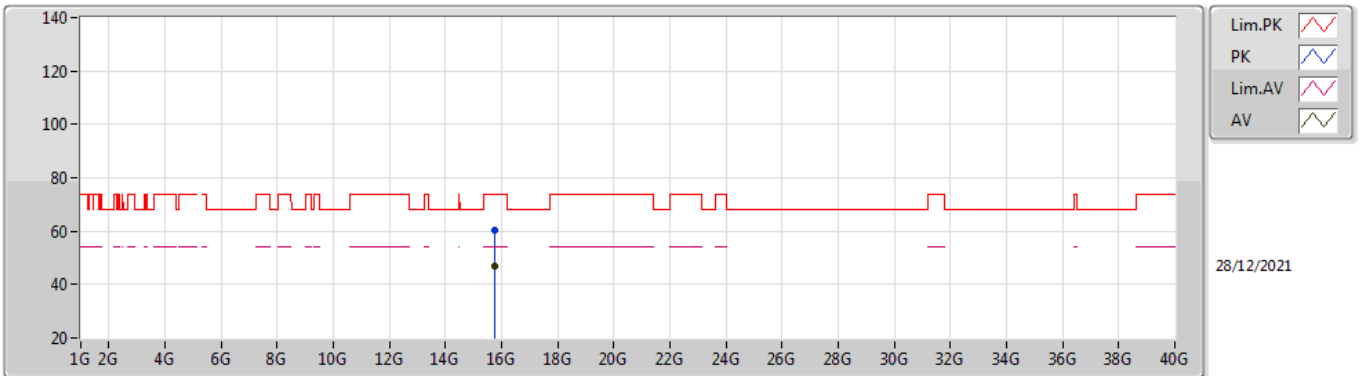


EUT_Z_4TX
Setting 78
06-F-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1492G	68.29	74.00	-5.71	62.82	3	Horizontal	29.1	1.88	-	31.70	5.75	31.98
AV	5.1428G	47.83	54.00	-6.17	42.32	3	Horizontal	29.1	1.88	-	31.74	5.74	31.97
PK	5.3124G	104.51	Inf	-Inf	99.66	3	Horizontal	29.1	1.88	-	31.10	5.80	32.05
AV	5.3156G	91.97	Inf	-Inf	87.12	3	Horizontal	29.1	1.88	-	31.10	5.80	32.05
PK	5.3556G	65.97	74.00	-8.03	61.11	3	Horizontal	29.1	1.88	-	31.13	5.80	32.07
AV	5.3508G	47.76	54.00	-6.24	42.92	3	Horizontal	29.1	1.88	-	31.10	5.80	32.06
PK	5.5604G	57.06	68.20	-11.14	51.75	3	Horizontal	29.1	1.88	-	31.52	5.96	32.17

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5250MHz Straddle 5.25-5.35GHz_TnomVnom

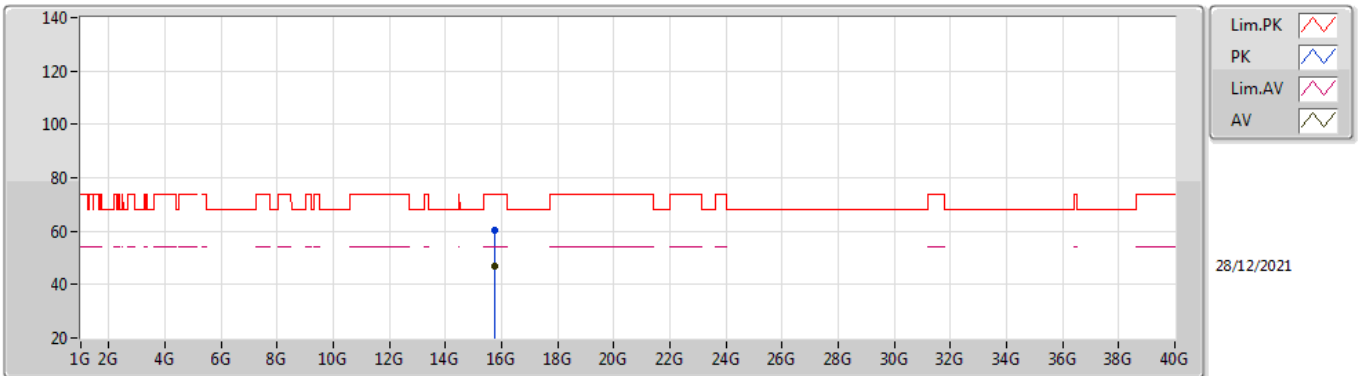


EUT_Z_4TX
Setting 78
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.748G	60.09	74.00	-13.91	44.17	3	Vertical	144	2.34	-	37.80	12.44	34.32
AV	15.75372G	46.86	54.00	-7.14	30.94	3	Vertical	144	2.34	-	37.80	12.44	34.32

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5250MHz Straddle 5.25-5.35GHz_TnomVnom



EUT_Z_4TX
Setting 78
06-F-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.74706G	60.20	74.00	-13.80	44.28	3	Horizontal	319	1.09	-	37.80	12.44	34.32
AV	15.75052G	46.84	54.00	-7.16	30.92	3	Horizontal	319	1.09	-	37.80	12.44	34.32

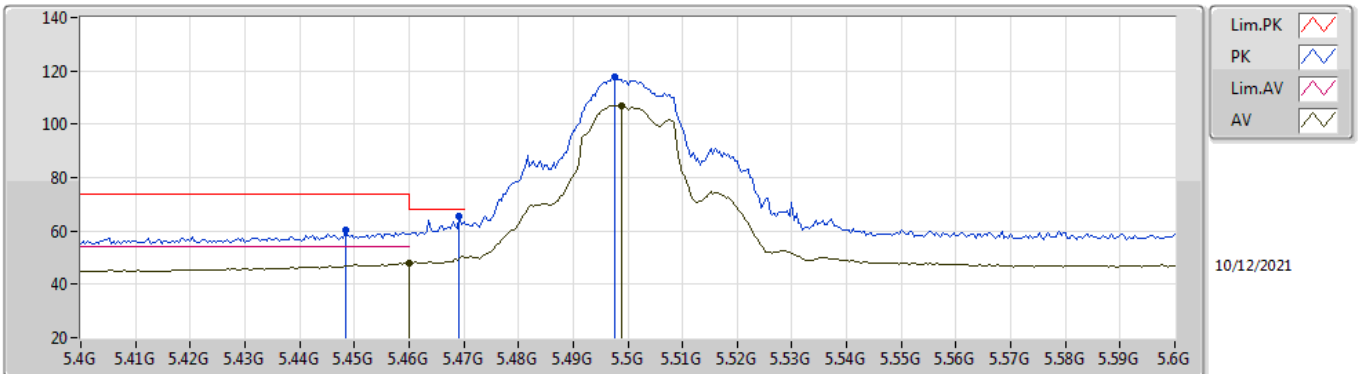
For UNII 2C and UNII 3:

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	PK	5.7296G	67.97	68.20	-0.23	3	Horizontal	88	1.07	-

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

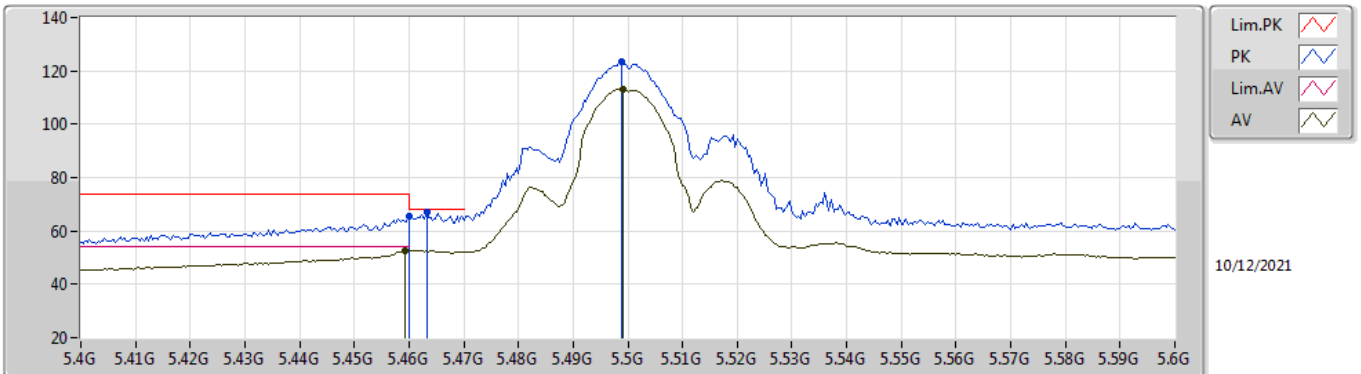


EUT X_4TX
Setting 99
06-F-S-5-13

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	5.4484G	60.26	74.00	-13.74	55.02	3	Vertical	148	2.58	-	31.50	5.85	32.11	
PK	5.4692G	65.76	68.20	-2.44	60.51	3	Vertical	148	2.58	-	31.50	5.87	32.12	
AV	5.46G	48.10	54.00	-5.90	42.85	3	Vertical	148	2.58	-	31.50	5.86	32.11	
PK	5.4976G	117.90	Inf	-Inf	112.63	3	Vertical	148	2.58	-	31.50	5.90	32.13	
AV	5.4988G	107.07	Inf	-Inf	101.80	3	Vertical	148	2.58	-	31.50	5.90	32.13	

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

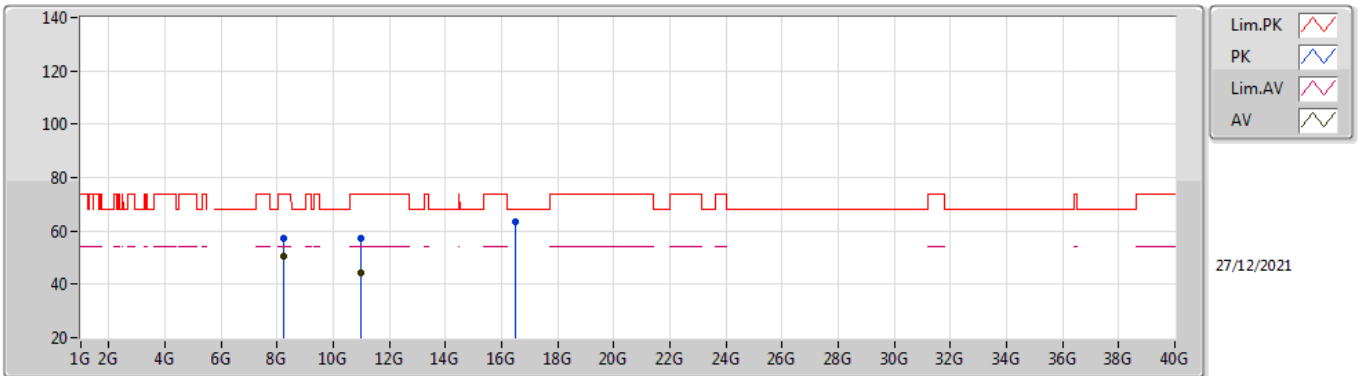


EUT X_4TX
Setting 99
06-F-S-5-13

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	5.46G	65.59	74.00	-8.41	60.34	3	Horizontal	289	1.56	-	31.50	5.86	32.11	
AV	5.4592G	52.55	54.00	-1.45	47.30	3	Horizontal	289	1.56	-	31.50	5.86	32.11	
PK	5.4632G	66.87	68.20	-1.33	61.62	3	Horizontal	289	1.56	-	31.50	5.86	32.11	
PK	5.4988G	123.21	Inf	-Inf	117.94	3	Horizontal	289	1.56	-	31.50	5.90	32.13	
AV	5.4992G	113.36	Inf	-Inf	108.09	3	Horizontal	289	1.56	-	31.50	5.90	32.13	

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

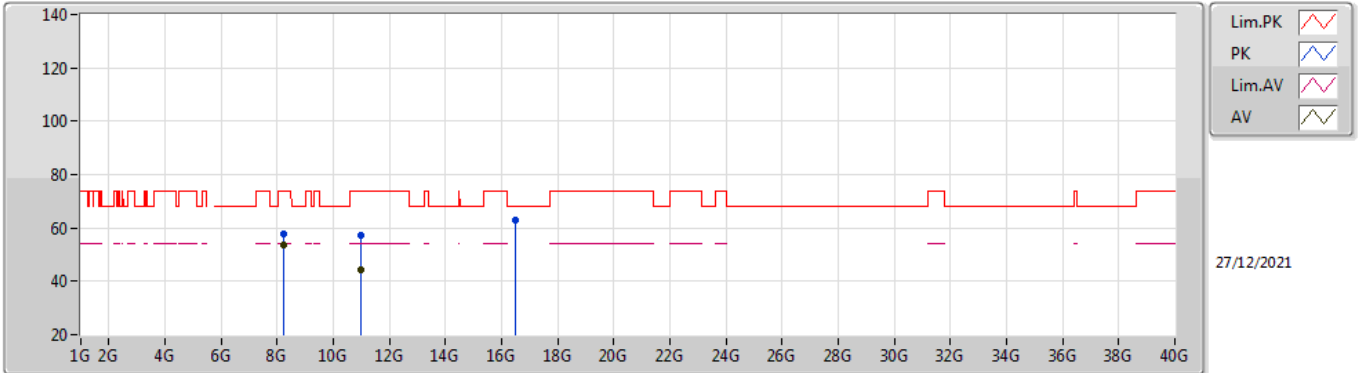


EUT_X_4TX
Setting 99
06-F-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	8.25004G	57.40	74.00	-16.60	47.45	3	Vertical	159	1.37	-	36.40	7.57	34.02	
AV	8.25008G	50.31	54.00	-3.69	40.36	3	Vertical	159	1.37	-	36.40	7.57	34.02	
PK	11.0019G	57.31	74.00	-16.69	42.15	3	Vertical	360	2.91	-	40.19	9.20	34.23	
AV	11.0032G	44.40	54.00	-9.60	29.24	3	Vertical	360	2.91	-	40.19	9.20	34.23	
PK	16.50168G	63.21	68.20	-4.99	44.91	3	Vertical	192	1.80	-	39.60	13.18	34.48	

802.11a_Nss1,(6Mbps)_4TX

5500MHz_TnomVnom

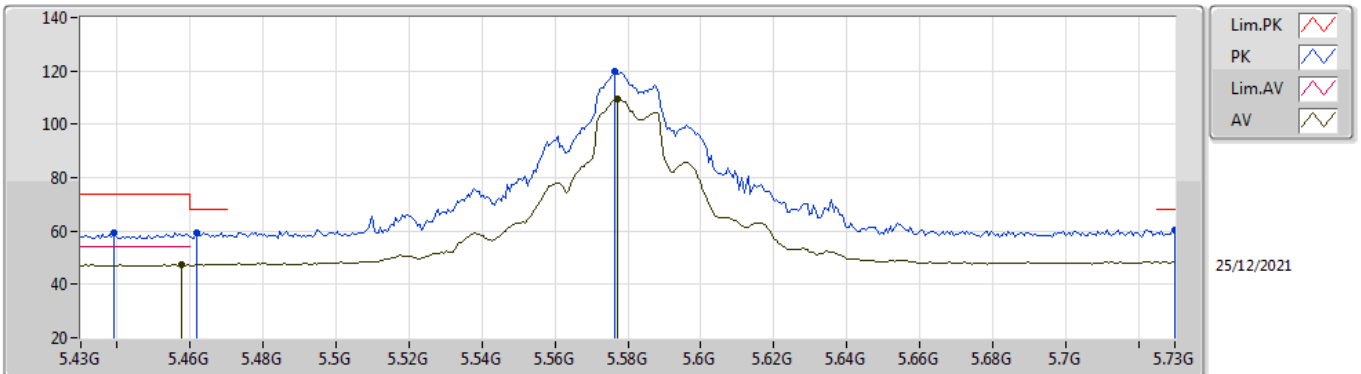


EUT X_4TX
Setting 99
06-F-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	8.25008G	57.59	74.00	-16.41	47.64	3	Horizontal	325	2.17	-	36.40	7.57	34.02	
AV	8.25004G	53.71	54.00	-0.29	43.76	3	Horizontal	325	2.17	-	36.40	7.57	34.02	
PK	11.00438G	57.37	74.00	-16.63	42.22	3	Horizontal	71	2.68	-	40.18	9.20	34.23	
AV	11.00126G	44.40	54.00	-9.60	29.24	3	Horizontal	71	2.68	-	40.19	9.20	34.23	
PK	16.51608G	63.04	68.20	-5.16	44.71	3	Horizontal	83	2.26	-	39.62	13.19	34.48	

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

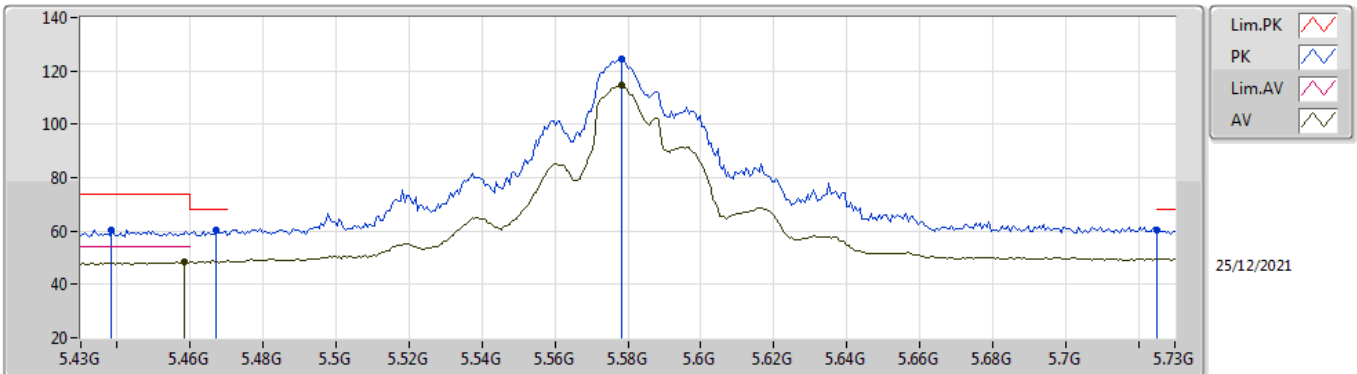


EUT_X_4TX
Setting 108
06-D-S-5-13

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	5.439G	59.35	74.00	-14.65	54.13	3	Vertical	150	2.34	-	31.48	5.84	32.10	
PK	5.4618G	59.30	68.20	-8.90	54.05	3	Vertical	150	2.34	-	31.50	5.86	32.11	
AV	5.4576G	47.39	54.00	-6.61	42.14	3	Vertical	150	2.34	-	31.50	5.86	32.11	
PK	5.5764G	119.75	Inf	-Inf	114.40	3	Vertical	150	2.34	-	31.55	5.98	32.18	
AV	5.577G	109.34	Inf	-Inf	103.99	3	Vertical	150	2.34	-	31.55	5.98	32.18	
PK	5.73G	60.57	68.20	-7.63	54.92	3	Vertical	150	2.34	-	31.92	6.00	32.27	

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

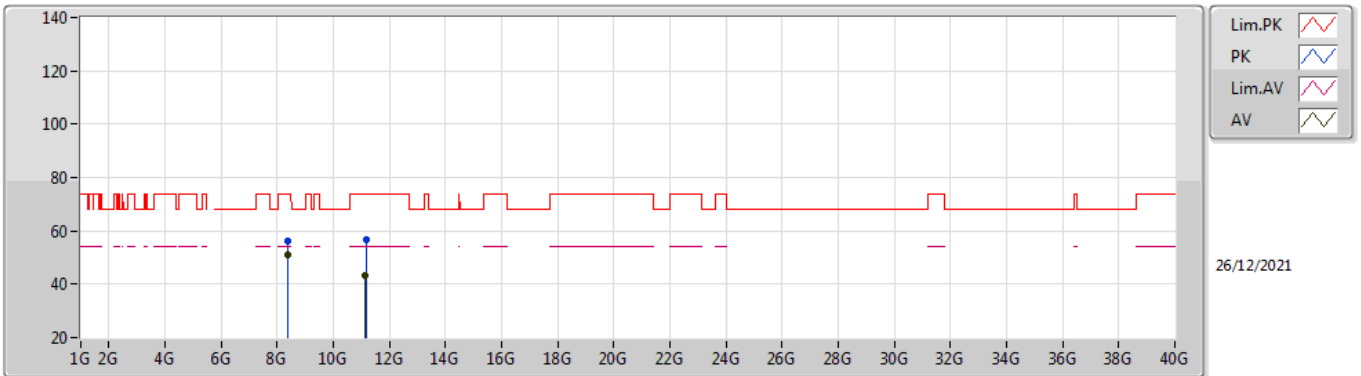


EUT_X_4TX
Setting 108
06-D-S-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.4384G	60.59	74.00	-13.41	55.37	3	Horizontal	286	2.72	-	31.48	5.84	32.10	
PK	5.4672G	60.39	68.20	-7.81	55.14	3	Horizontal	286	2.72	-	31.50	5.87	32.12	
AV	5.4582G	48.43	54.00	-5.57	43.18	3	Horizontal	286	2.72	-	31.50	5.86	32.11	
PK	5.5782G	124.30	Inf	-Inf	118.94	3	Horizontal	286	2.72	-	31.56	5.98	32.18	
AV	5.5782G	114.69	Inf	-Inf	109.33	3	Horizontal	286	2.72	-	31.56	5.98	32.18	
PK	5.7252G	60.38	68.20	-7.82	54.75	3	Horizontal	286	2.72	-	31.90	6.00	32.27	

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

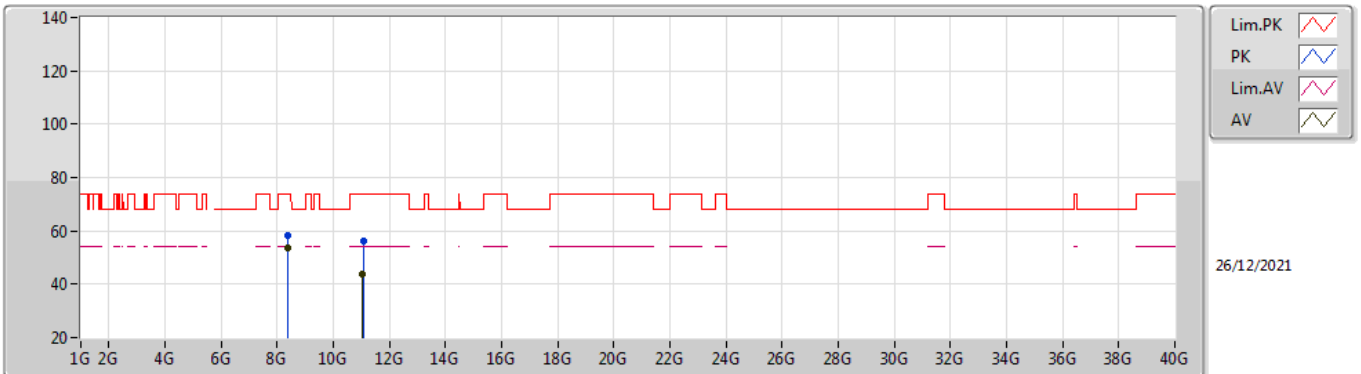


EUT_X_4TX
Setting 108
06-D-S-5

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	8.37006G	56.24	74.00	-17.76	46.55	3	Vertical	10	1.99	-	36.20	7.51	34.02	
AV	8.37001G	51.08	54.00	-2.92	41.39	3	Vertical	10	1.99	-	36.20	7.51	34.02	
PK	11.1672G	56.83	74.00	-17.17	42.12	3	Vertical	100	1.49	-	39.67	9.30	34.26	
AV	11.1504G	43.08	54.00	-10.92	28.34	3	Vertical	100	1.49	-	39.70	9.29	34.25	

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TnomVnom

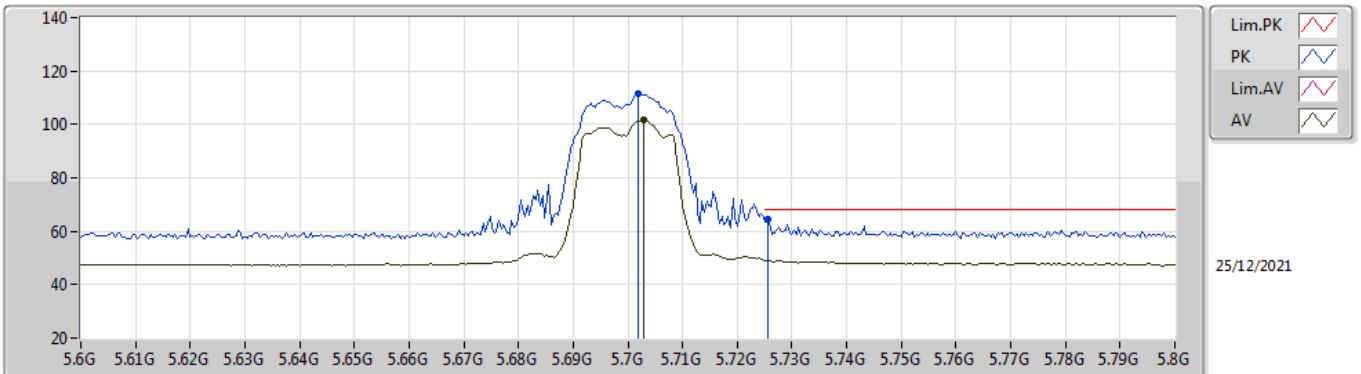


EUT_X_4TX
Setting 108
06-D-S-5

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	8.37004G	58.28	74.00	-15.72	48.59	3	Horizontal	106	1.25	-	36.20	7.51	34.02	
AV	8.37003G	53.60	54.00	-0.40	43.91	3	Horizontal	106	1.25	-	36.20	7.51	34.02	
PK	11.0832G	56.01	74.00	-17.99	41.13	3	Horizontal	181	1.40	-	39.87	9.25	34.24	
AV	11.0304G	44.02	54.00	-9.98	28.95	3	Horizontal	181	1.40	-	40.08	9.22	34.23	

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

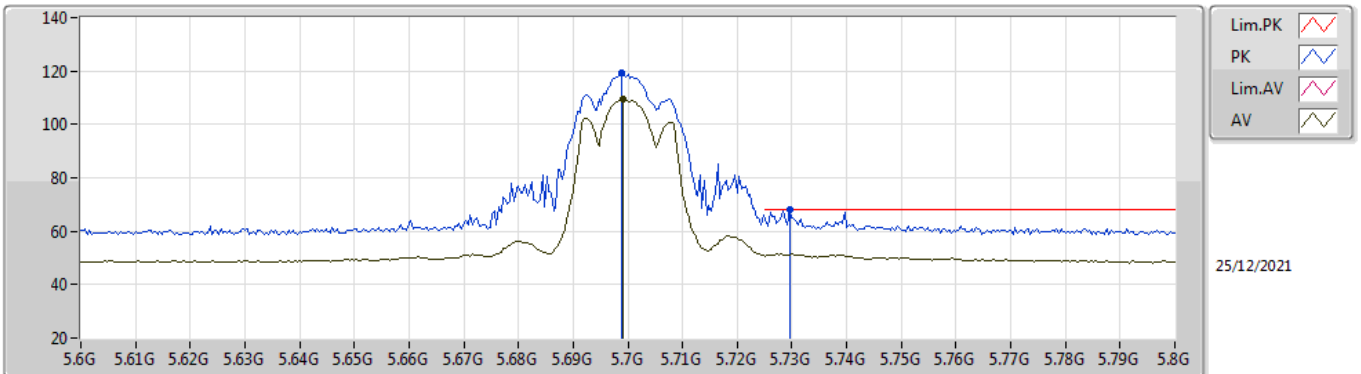


EUT X_4TX
Setting 81
06-D-S-5-13

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	5.702G	111.49	Inf	-Inf	105.93	3	Vertical	144	2.90	-	31.81	6.00	32.25	
AV	5.7028G	101.58	Inf	-Inf	96.02	3	Vertical	144	2.90	-	31.81	6.00	32.25	
PK	5.7256G	64.48	68.20	-3.72	58.85	3	Vertical	144	2.90	-	31.90	6.00	32.27	

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

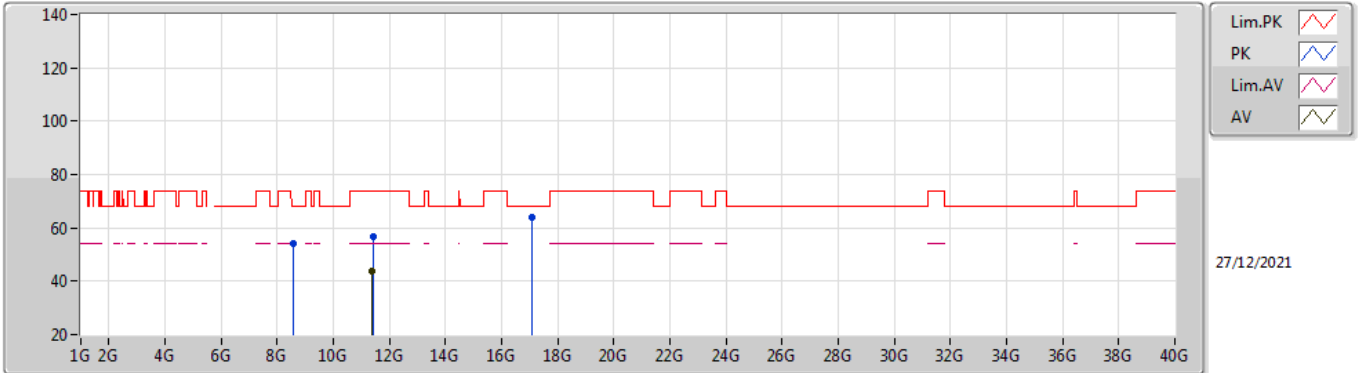


EUT_X_4TX
Setting 81
06-D-S-5-13

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	5.6988G	119.08	Inf	-Inf	113.53	3	Horizontal	88	1.07	-	31.80	6.00	32.25	
AV	5.6992G	109.55	Inf	-Inf	104.00	3	Horizontal	88	1.07	-	31.80	6.00	32.25	
PK	5.7296G	67.97	68.20	-0.23	62.32	3	Horizontal	88	1.07	-	31.92	6.00	32.27	

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

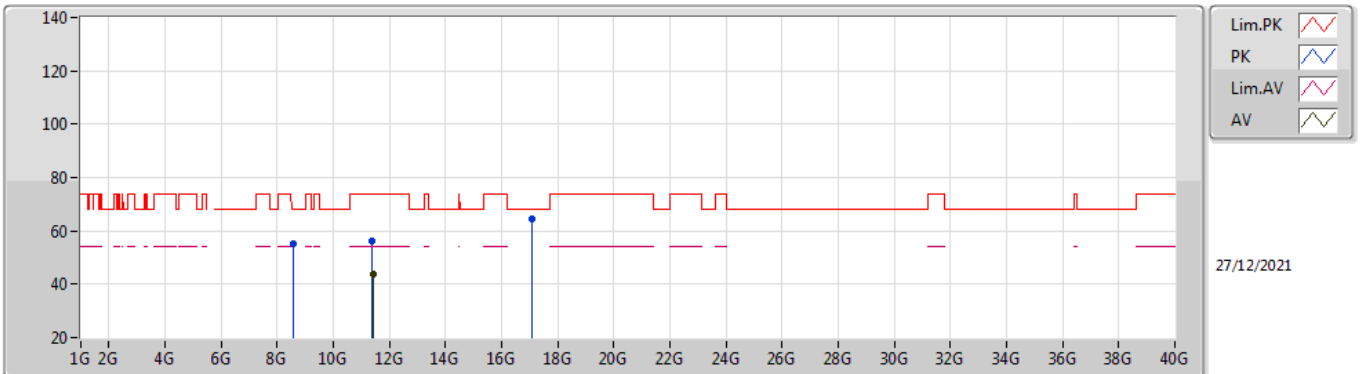


EUT_X_4TX
Setting 81
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	8.55G	53.92	68.20	-14.28	43.35	3	Vertical	94	1.94	-	37.00	7.57	34.00	
PK	11.40414G	56.68	74.00	-17.32	41.74	3	Vertical	354	1.07	-	39.79	9.44	34.29	
AV	11.395G	43.77	54.00	-10.23	28.83	3	Vertical	354	1.07	-	39.79	9.44	34.29	
PK	17.10408G	63.99	68.20	-4.21	44.05	3	Vertical	160	1.62	-	40.61	13.87	34.54	

802.11a_Nss1,(6Mbps)_4TX

5700MHz_TnomVnom

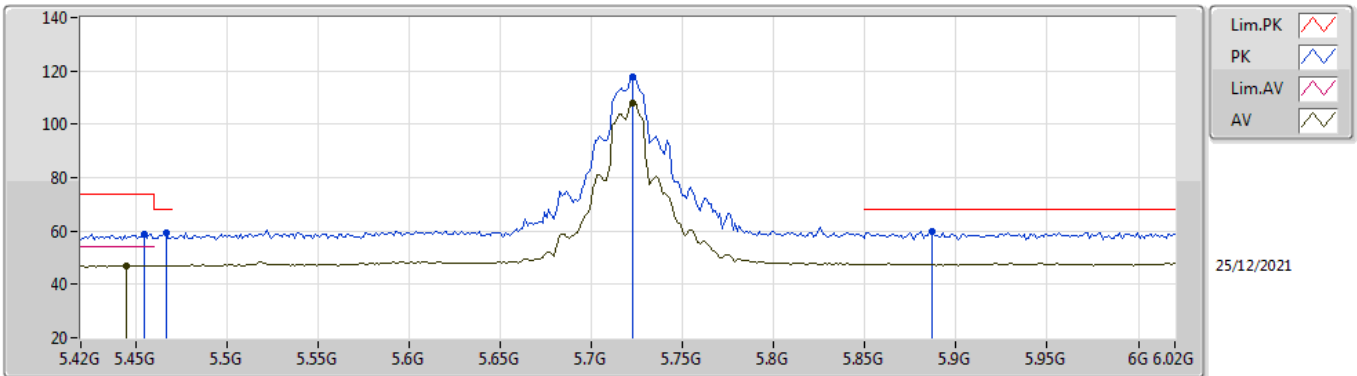


EUT_X_4TX
Setting 81
06-D-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	8.55006G	55.02	68.20	-13.18	44.44	3	Horizontal	245	1.80	-	37.00	7.58	34.00	
PK	11.39634G	56.44	74.00	-17.56	41.50	3	Horizontal	335	2.55	-	39.79	9.44	34.29	
AV	11.4018G	43.69	54.00	-10.31	28.74	3	Horizontal	335	2.55	-	39.80	9.44	34.29	
PK	17.10254G	64.51	68.20	-3.69	44.57	3	Horizontal	133	1.05	-	40.61	13.87	34.54	

802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

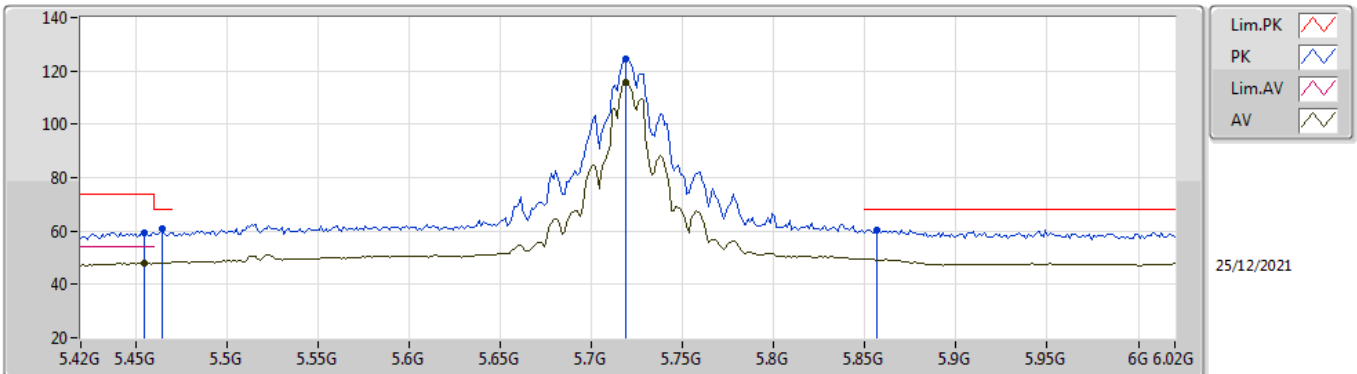


EUT_X_4TX
Setting 108
06-D-S-5-13

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	5.4548G	58.71	74.00	-15.29	53.47	3	Vertical	146	3.00	-	31.50	5.85	32.11	
AV	5.4452G	47.10	54.00	-6.90	41.87	3	Vertical	146	3.00	-	31.49	5.85	32.11	
PK	5.4668G	59.06	68.20	-9.14	53.81	3	Vertical	146	3.00	-	31.50	5.87	32.12	
PK	5.7224G	118.01	Inf	-Inf	112.38	3	Vertical	146	3.00	-	31.89	6.00	32.26	
AV	5.7224G	107.92	Inf	-Inf	102.29	3	Vertical	146	3.00	-	31.89	6.00	32.26	
PK	5.8868G	59.93	68.20	-8.27	54.18	3	Vertical	146	3.00	-	32.07	6.04	32.36	

802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom



EUT X_4TX
Setting 108
06-D-S-5-13

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	5.4548G	59.52	74.00	-14.48	54.28	3	Horizontal	86	1.09	-	31.50	5.85	32.11
AV	5.4548G	48.07	54.00	-5.93	42.83	3	Horizontal	86	1.09	-	31.50	5.85	32.11
PK	5.4644G	60.61	68.20	-7.59	55.36	3	Horizontal	86	1.09	-	31.50	5.86	32.11
PK	5.7188G	124.74	Inf	-Inf	119.12	3	Horizontal	86	1.09	-	31.88	6.00	32.26
AV	5.7188G	115.77	Inf	-Inf	110.15	3	Horizontal	86	1.09	-	31.88	6.00	32.26
PK	5.8568G	60.55	68.20	-7.65	54.85	3	Horizontal	86	1.09	-	32.01	6.03	32.34