

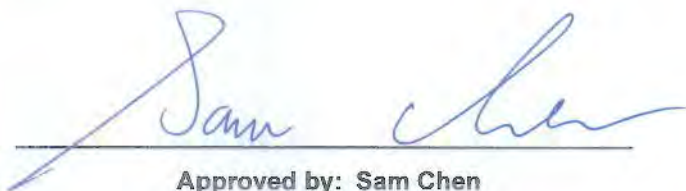


RADIO TEST REPORT

FCC ID : G954981X
Equipment : DOCSIS Cable Gateway
Brand Name : Technicolor
Model Name : CGM4981COM, CGM4981COX
Applicant : Technicolor Connected Home USA LLC
4855 Peachtree Industrial Blvd. Norcross, GA
30092
Manufacturer : Technicolor Connected Home USA LLC
4855 Peachtree Industrial Blvd. Norcross, GA
30092
Standard : 47 CFR FCC Part 15.407

The product was received on Jul. 14, 2021, and testing was started from Aug. 30, 2021 and completed on Sep. 17, 2021. 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.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Information.....	5
1.2 Applicable Standards	10
1.3 Testing Location Information	10
1.4 Measurement Uncertainty	11
2 Test Configuration of EUT	12
2.1 Test Channel Mode	12
2.2 The Worst Case Measurement Configuration.....	14
2.3 EUT Operation during Test	16
2.4 Accessories	16
2.5 Support Equipment.....	17
2.6 Test Setup Diagram	18
3 Transmitter Test Result	22
3.1 AC Power-line Conducted Emissions	22
3.2 Emission Bandwidth	24
3.3 Maximum Output Power	25
3.4 Power Spectral Density	27
3.5 Unwanted Emissions.....	30
4 Test Equipment and Calibration Data	35
Appendix A. Test Results of AC Power-line Conducted Emissions	
Appendix B. Test Results of Emission Bandwidth	
Appendix C. Test Results of Maximum Output Power	
Appendix D. Test Results of Power Spectral Density	
Appendix E. Test Results of Unwanted Emissions	
Appendix F. Test Results of Radiated Emission Co-location	
Appendix G. Test Photos	
Photographs of EUT v01	



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. 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]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11n HT20-BF	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11ax HEW20	20	4TX
5.15-5.25GHz	802.11ax HEW20-BF	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11n HT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ax HEW40	40	4TX
5.15-5.25GHz	802.11ax HEW40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.15-5.25GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW80-BF	80	4TX
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11n HT20-BF	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20-BF	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX
5.725-5.85GHz	802.11ax HEW20-BF	20	4TX
5.725-5.85GHz	802.11n HT40	40	4TX



Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11n HT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40-BF	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ax HEW40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80-BF	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80-BF	80	4TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40, HEW80 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 2.4 GHz	WLAN 5 GHz	WLAN 6E	Zigbee	Bluetooth					
1	1	4	-	-	-	Airgain	N03TCAFB-PK1-B165U	PCB	I-PEX	Note 1
2	2	3	-	-	-	Airgain	N03TCAFE-PK1-G140U	PCB	I-PEX	
3	3	2	-	-	-	Airgain	N03TCAFN-PK1-R150U	PCB	I-PEX	
4	4	1	-	-	-	Airgain	N03TCAFG-PK1-A230U	PCB	I-PEX	
5	-	-	1	-	-	Airgain	N06TCAFC-PK1-B105U	PCB	I-PEX	
6	-	-	2	-	-	Airgain	N06TCAFH-PK1-G200U	PCB	I-PEX	
7	-	-	3	-	-	Airgain	N06TCAFJ-PK1-R150U	PCB	I-PEX	
8	-	-	4	1	-	Airgain	N04TCAFD-PK1-A150U	PCB	I-PEX	
9	-	-	-	2	-	Airgain	N01TCAFM-PK1-W230U	PCB	I-PEX	
10	-	-	-	-	1	Airgain	N01TCAFM-PK1-W190U	PCB	I-PEX	

Note1:

Ant.	Port					Antenna Gain (dBi)							
	WLAN 2.4 GHz	WLAN 5GHz	WLAN 6E	Zigbee	Bluetooth	WLAN 2.4 GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 6E	Zigbee	Bluetooth
1	1	4	-	-	-	2.7	2.59	2.85	2.34	3.5	-	-	-
2	2	3	-	-	-	3.12	2.05	2.62	2.3	3.12	-	-	-
3	3	2	-	-	-	2.57	2.71	1.98	1.87	3.08	-	-	-
4	4	1	-	-	-	2.2	2.18	2.7	2.08	2.02	-	-	-
5	-	-	1	-	-	-	-	-	-	-	3.7	-	-
6	-	-	2	-	-	-	-	-	-	-	4.1	-	-
7	-	-	3	-	-	-	-	-	-	-	3.7	-	-
8	-	-	4	1	-	-	-	-	-	-	5.5	4.8	-
9	-	-	-	2	-	-	-	-	-	-	-	2.5	-
10	-	-	-	-	1	-	-	-	-	-	-	-	4.1

Directional Gain (dBi)					
Band (MHz)	2400-2483.5	5150-5250	5250-5350	5470-5725	5725-5850
Frequency (Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	2.7	2.59	2.85	2.34	3.5
Ant. 2 Max Gain (dBi)	3.12	2.05	2.62	2.3	3.12
Ant. 3 Max Gain (dBi)	2.57	2.71	1.98	1.87	3.08
Ant. 4 Max Gain (dBi)	2.2	2.18	2.7	2.08	2.02
Max Gain (dBi)	3.12	2.71	2.85	2.34	3.5
DG [1SS] (dBi)	5.45	4.96	3.99	4.1	4.82
DG [2SS] (dBi)	3.12	2.71	2.85	2.34	3.5
DG [4SS] (dBi)	0.1	-0.52	-0.64	-1.23	-0.43

Note2: The above information was declared by manufacturer.

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

The EUT enables WLAN 2.4GHz, 5GHz UNII 1, UNII 3, Zigbee and Bluetooth function only.

For WLAN 2.4GHz function:

For IEEE 802.11b/g/n/VHT/ax mode (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 WLAN 5GHz function:

For IEEE 802.11a/n/ac/ax mode (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 WLAN 6E function:

For IEEE 802.11ax mode (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 Zigbee function (1TX/1RX):

The EUT supports the Ant.8 and Ant.9 with TX and RX diversity functions.

Both Ant.8 (Port 1) and Ant.9 (Port 2) support transmit and receive functions, but only one of them will be used at one time.

All test results will be recorded in the report.

For Bluetooth function (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.948	0.23	2.065m	1k
802.11ax HEW20	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20-BF	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.968	0.14	781.25u	3k
802.11ax HEW40-BF	0.968	0.14	781.25u	3k
802.11ax HEW80	0.913	0.4	291.25u	10k
802.11ax HEW80-BF	0.913	0.4	291.25u	10k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	Mtool (ver.3.2.1.4) \ DOS [ver 6.1.7601]			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

Model Name	Description
CGM4981COM	All the models are identical, the difference model served as marketing strategy.
CGM4981COX	

Note 1: From the above models, model: CGM4981COM was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

- ♦ FCC KDB 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	Serway Li	22.1~22.7 / 73~76	Sep. 06, 2021~ Sep. 17, 2021
Radiated<1GHz	10CH01-CB	Peter Wu	23~24 / 58~59	Sep. 16, 2021
Radiated>1GHz	03CH02-CB	Brian Sun	24.4~25.5 / 55-58	Aug. 30, 2021~ Sep. 17, 2021
Radiated Co-Location	10CH01-CB	Brian Sun	23~24 / 58~59	Sep. 16, 2021
AC Conduction	CO01-CB	Peter Wu	21~23 / 55~57	Sep. 16, 2021

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	Test Site No.	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	CO01-CB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	10CH01-CB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	10CH01-CB	Confidence levels of 95%
Radiated Emissions 1GHz ~ 40GHz	5.0 dB	10CH01-CB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	03CH02-CB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	03CH02-CB	Confidence levels of 95%
Conducted Emission	2.5 dB	TH03-CB	Confidence levels of 95%
Output Power Measurement	1.3 dB	TH03-CB	Confidence levels of 95%
Power Density Measurement	2.5 dB	TH03-CB	Confidence levels of 95%
Bandwidth Measurement	0.9%	TH03-CB	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

<Non-beamforming Mode>

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	100
5200MHz	98
5240MHz	98
5745MHz	101
5785MHz	101
5825MHz	103
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	96
5200MHz	97
5240MHz	97
5745MHz	100
5785MHz	100
5825MHz	102
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	80
5230MHz	95
5755MHz	99
5795MHz	99
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	79
5775MHz	96

**<Beamforming Mode>**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	94
5200MHz	97
5240MHz	97
5745MHz	100
5785MHz	98
5825MHz	96
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	96
5230MHz	95
5755MHz	99
5795MHz	99
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	95
5775MHz	98

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

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	Normal Link (WLAN) + CTX (Zigbee)+CTX (Bluetooth) - EUT + Adapter 1
2	Normal Link (WLAN) + CTX (Zigbee)+CTX (Bluetooth) - EUT + Adapter 2
3	Normal Link (WLAN) + CTX (Zigbee)+CTX (Bluetooth) - EUT + Adapter 3
For operating mode 1 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	Normal Link (WLAN) + CTX (Zigbee)+CTX (Bluetooth) - EUT + Adapter 1
2	Normal Link (WLAN) + CTX (Zigbee)+CTX (Bluetooth) - EUT + Adapter 2
3	Normal Link (WLAN) + CTX (Zigbee)+CTX (Bluetooth) - EUT + Adapter 3
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX



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	WLAN 2.4GHz+WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz+WLAN 5GHz+ Zigbee (Ant.9) +Bluetooth
2	WLAN 2.4GHz+WLAN 5GHz+ Zigbee (Ant.8) +Bluetooth
Refer to Sporton Test Report No.: FA171403 for Co-location RF Exposure Evaluation.	

Note1: The manufacturer declares that the Type-C port can not be used by end-user. It is generally used for updating FW.

Note2: The EUT can only be used in Y axis position.



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 [ver 6.1.7601].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN module and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter 1	AcBel	ADK002	INPUT: 100-120V~50/60Hz, 1.5A OUTPUT: 12.0V, 4.6A
Adapter 2	Delta	ADH-55AW BK	INPUT: 100-120V~50/60Hz, 1.2A OUTPUT: 12.0V, 4.6A
Adapter 3	Netbit	NBC56A120460VU	INPUT: 100-120V~50/60Hz, 1.5A OUTPUT: 12.0V, 4.6A



2.5 Support Equipment

For AC Conduction and Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	Phone1	SAMPO	HT-B 907WL	N/A
E	Phone2	SAMPO	HT-B 907WL	N/A
F	Terminal system	HUAWEI	SmartAX ma5633	N/A
G	Server	HUAWEI	N/A	N/A
H	Terminal system NB	DELL	INSPIRON 3576	N/A
I	2.5G PC	DELL	T3400	N/A
J	6G NB	DELL	AX210	N/A
K	MOCA	N/A	N/A	N/A
L	MOCA NB	DELL	E6430	N/A
N	Type-C Dongle	Transcend	16GB	N/A

For Radiated (above 1GHz):

For Non-beamforming mode:

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

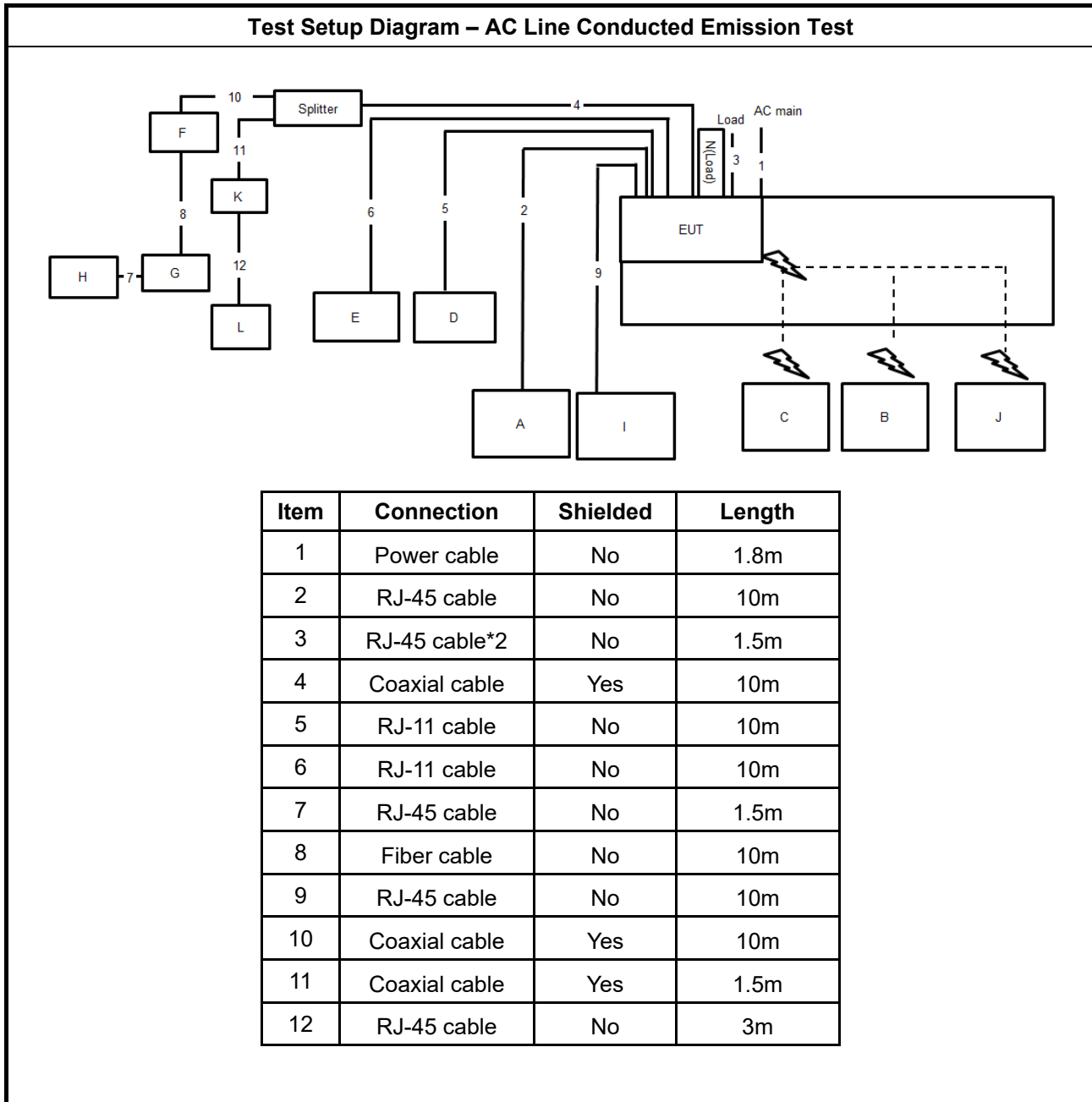
For Beamforming mode:

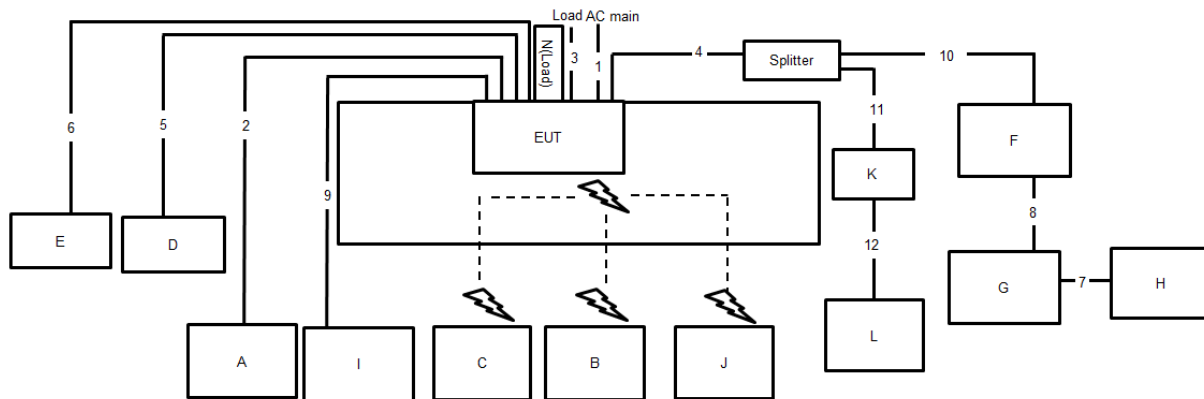
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	WLAN module	Intel	AX210NGW	PD9AX210NG
C	Notebook	DELL	E4300	N/A

For RF Conducted:

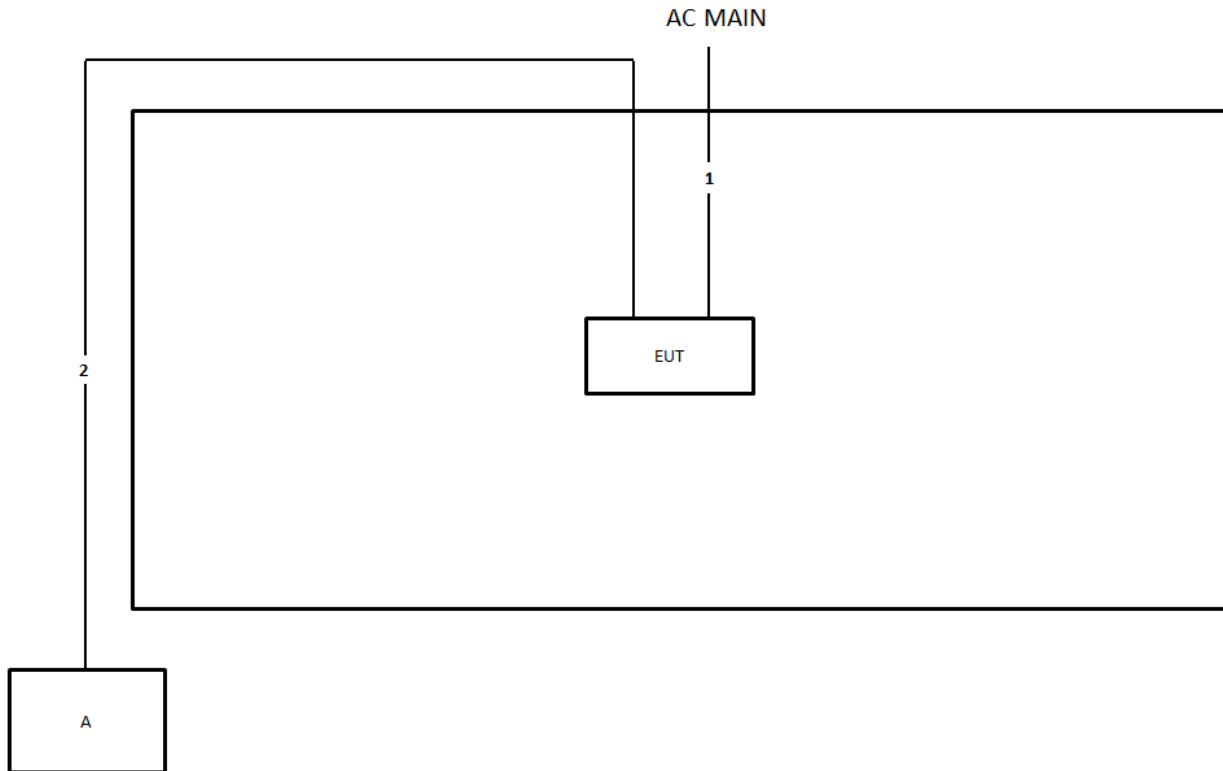
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram

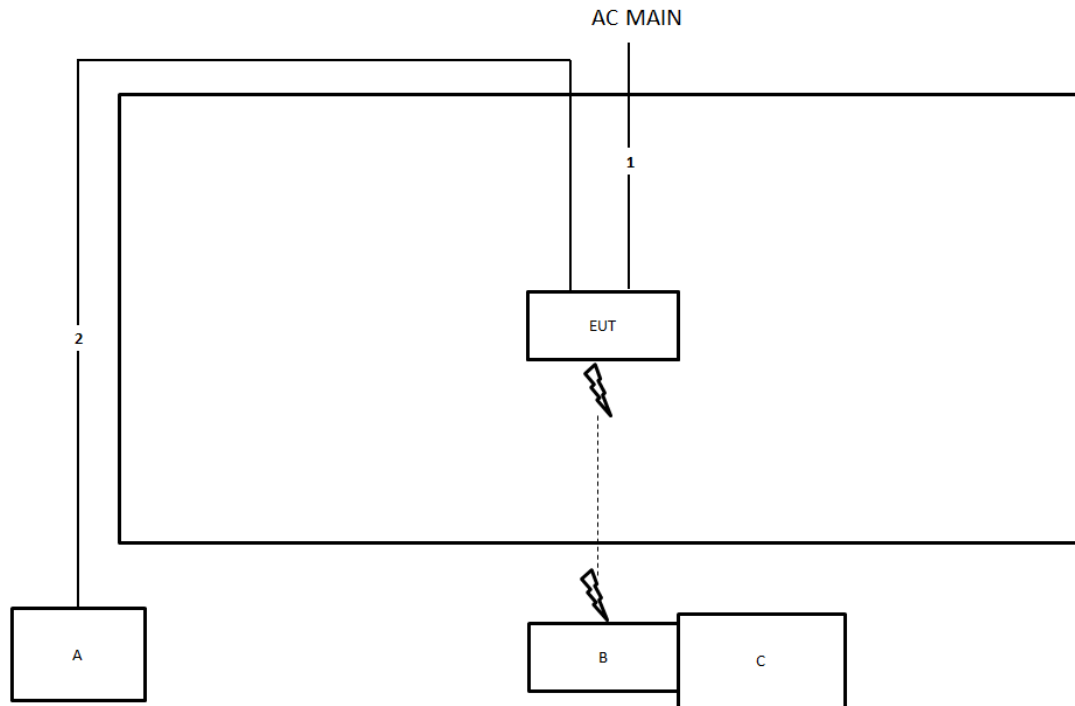


Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable*2	No	1.5m
4	Coaxial cable	Yes	10m
5	RJ-11 cable	No	10m
6	RJ-11 cable	No	10m
7	RJ-45 cable	No	1.5m
8	Fiber cable	No	10m
9	RJ-45 cable	No	10m
10	Coaxial cable	Yes	10m
11	Coaxial cable	Yes	1.5m
12	RJ-45 cable	No	3m

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


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

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


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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

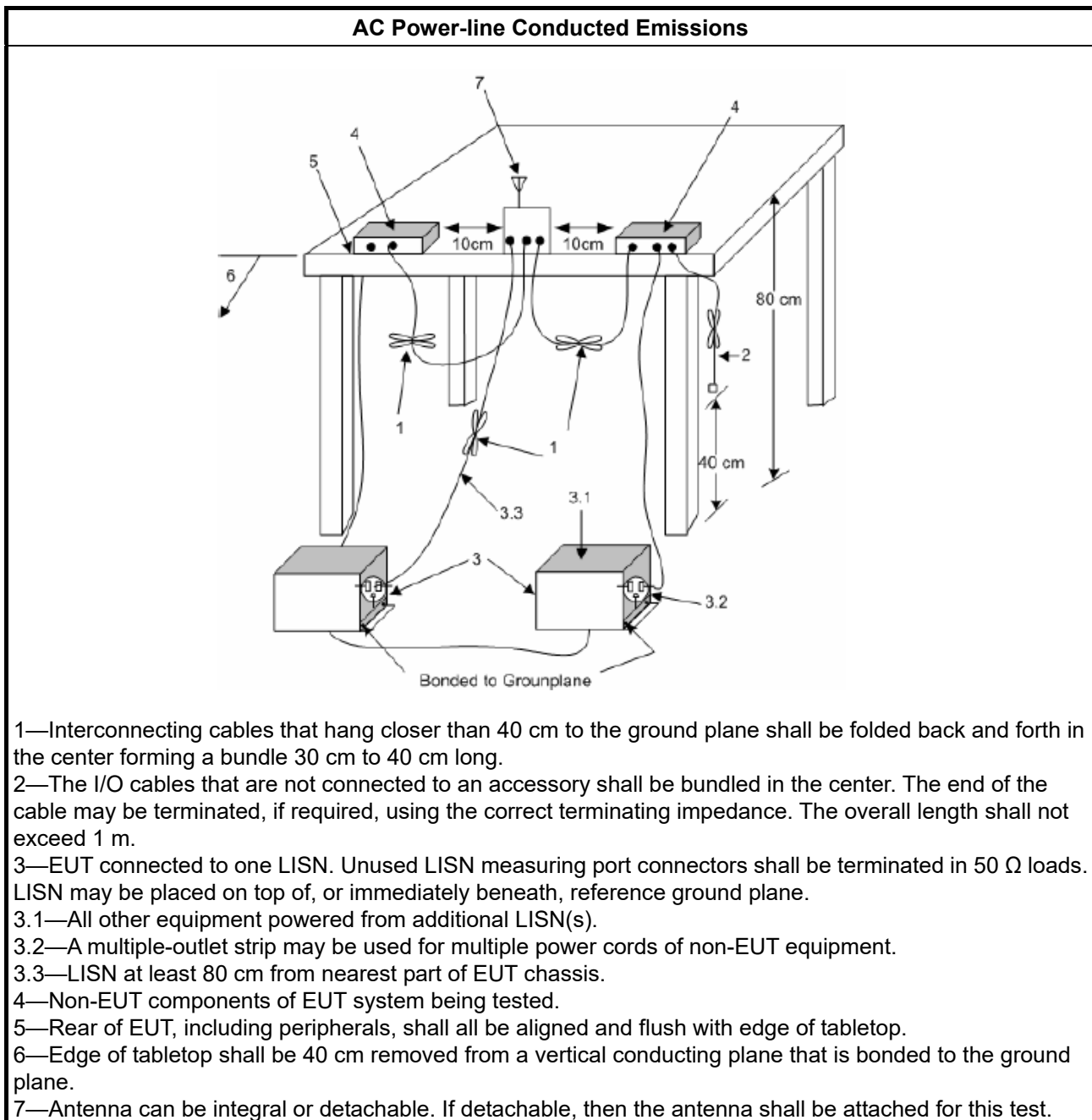
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

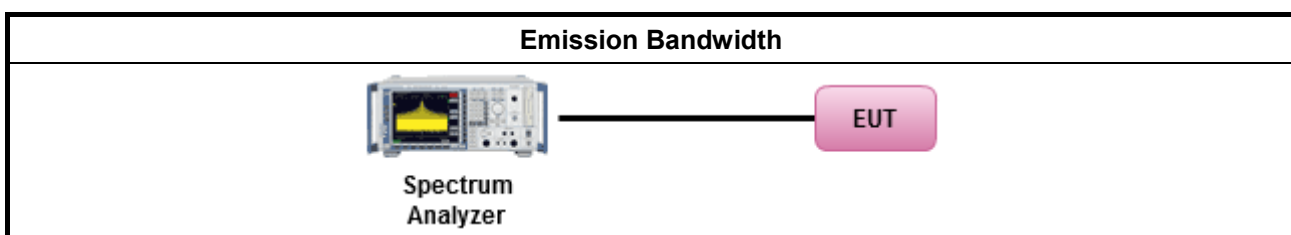
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as FCC KDB 789033, 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.

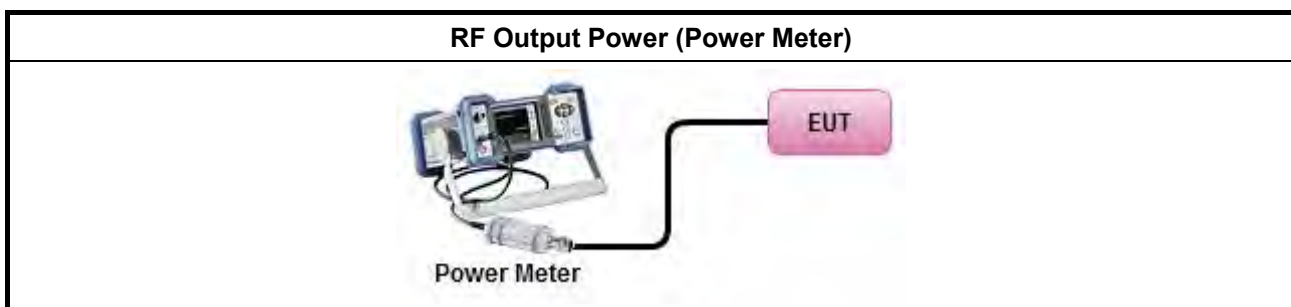
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
Average over on/off periods with duty factor	
☐	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, 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, 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]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☐ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
EIRP Power Spectral Density Limit	
☐ For the 5.85-5.895 GHz band:	
	- Indoor AP & subordinate device < 20dBm/MHz - Client device < 14dBm/MHz
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; $-13 - 0.716 (\theta - 8)$ dBW/MHz for $8^\circ \leq \theta < 40^\circ$ $-35.9 - 1.22 (\theta - 40)$ dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that the 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.

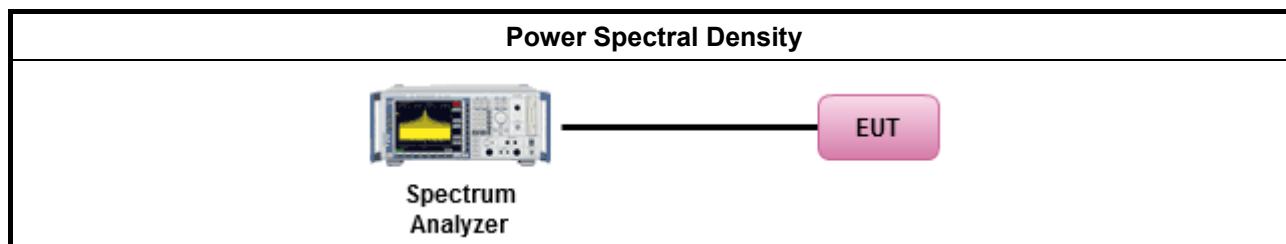
3.4.2 Measuring Instruments

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

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).	

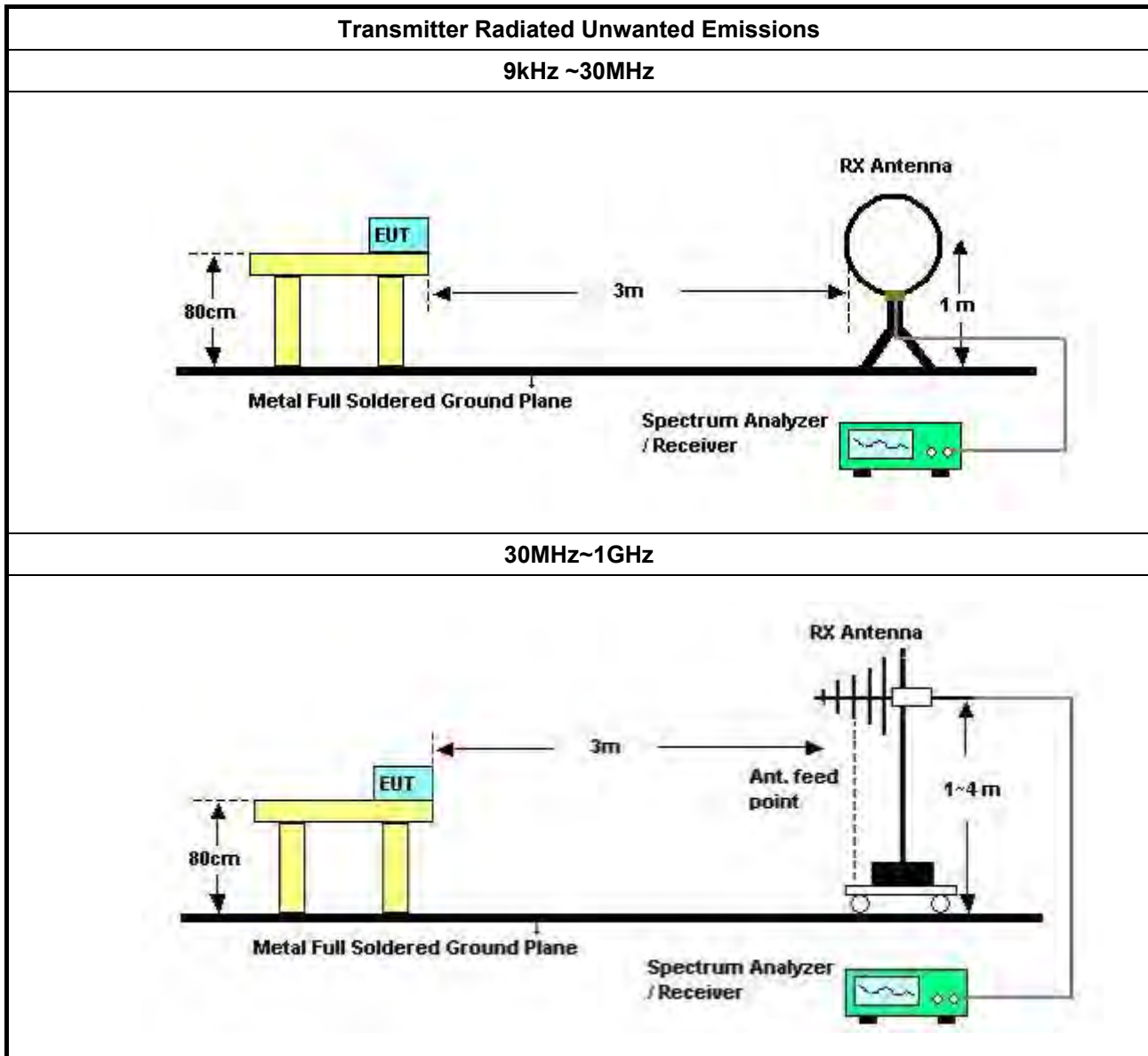
3.5.2 Measuring Instruments

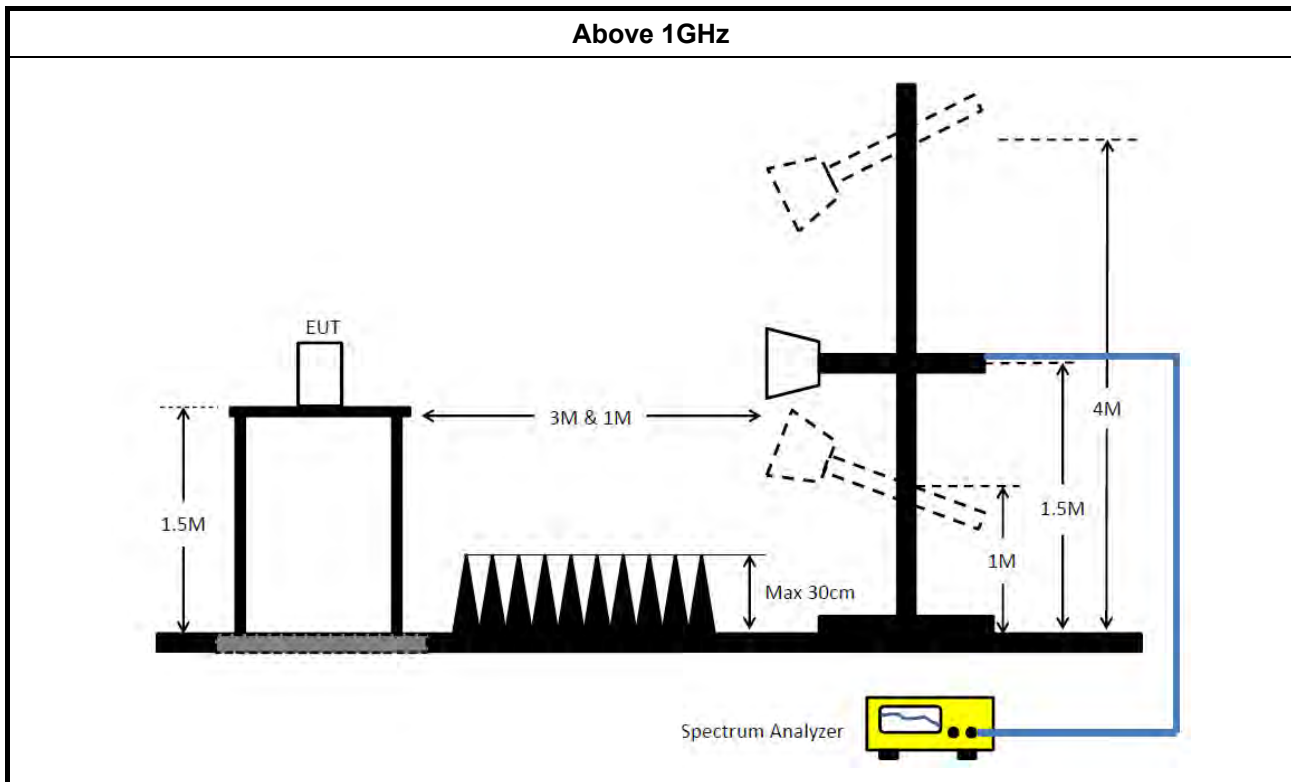
Refer a test equipment and calibration data table in this test report.

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, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033, 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, clause G)5) measurement procedure peak limit.
☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.	
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Jan. 06, 2021	Jan. 05, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 30, 2021	Jan. 29, 2022	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 28, 2021	Jan. 27, 2022	Radiation (10CH01-CB)
10m Semi Anechoic Chamber VSWR	TDK	SAC-10M	10CH01-CB	1GHz ~18GHz 3m	Mar. 12, 2021	Mar. 11, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
High Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
Bilog Antenna with 6dB Attenuator	Chase & EMCI	CBL6111A &N-6-06	1543 &AT-N0609	30MHz ~ 1GHz	Jul. 01, 2021	Jun. 30, 2022	Radiation (10CH01-CB)
EMI Test Receiver	Rohde&Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (10CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 03, 2021	May 02, 2022	Radiation (10CH01-CB)
Horn Antenna	ESCO	3117	00081283	1GHz ~ 18GHz	Nov. 23, 2020	Nov. 22, 2021	Radiation (10CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 18, 2021	Jun. 17, 2022	Radiation (10CH01-CB)
Amplifier	Agilent	8449B	3008A02660	1GHz ~ 26.5GHz	May 20, 2021	May 19, 2022	Radiation (10CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (10CH01-CB)
CABLE (1~40G)	TITAN	T318E	high cable-02	1GHz ~ 40GHz	Mar. 17, 2021	Mar. 16, 2022	Radiation (10CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (10CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (10CH01-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	BBHA9170507	15GHz ~ 40GHz	Jun. 18, 2021	Jun. 17, 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. 15, 2020	Oct. 14, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	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)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 31, 2020	Dec. 30, 2021	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. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 05, 2020	Oct. 04, 2021	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

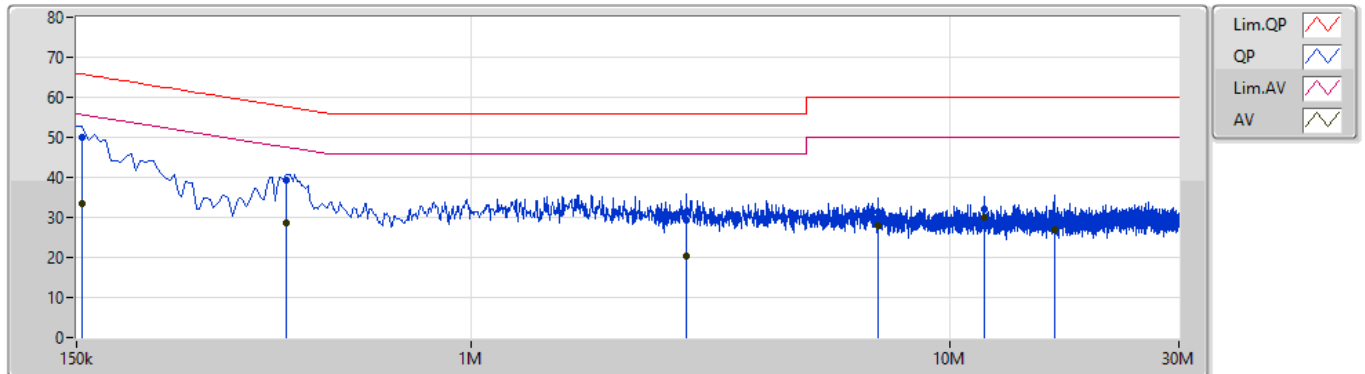
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150k	52.16	66.00	-13.84	Neutral

Mode 1

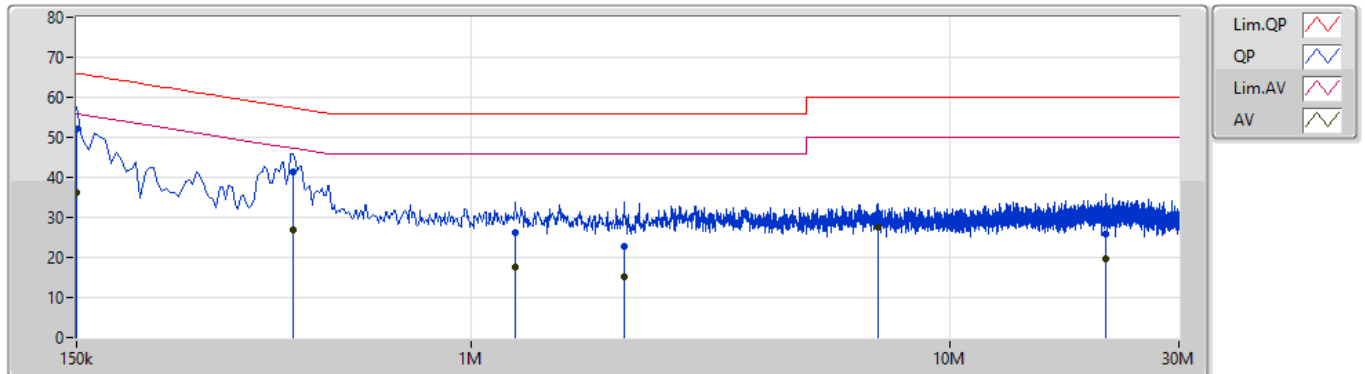
16/09/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	154.5k	49.95	65.75	-15.80	9.89	Line	"Worst"	40.06	0.04	0.04	9.81			
AV	154.5k	33.31	55.75	-22.44	9.89	Line	-	23.42	0.04	0.04	9.81			
QP	411k	39.44	57.63	-18.19	9.90	Line	-	29.54	0.04	0.04	9.82			
AV	411k	28.63	47.63	-19.00	9.90	Line	-	18.73	0.04	0.04	9.82			
QP	2.805M	29.43	56.00	-26.57	10.04	Line	-	19.39	0.11	0.09	9.84			
AV	2.805M	20.31	46.00	-25.69	10.04	Line	-	10.27	0.11	0.09	9.84			
QP	7.058M	31.41	60.00	-28.59	10.22	Line	-	21.19	0.19	0.14	9.89			
AV	7.058M	27.95	50.00	-22.05	10.22	Line	-	17.73	0.19	0.14	9.89			
QP	11.76M	31.99	60.00	-28.01	10.30	Line	-	21.69	0.24	0.16	9.90			
AV	11.76M	29.84	50.00	-20.16	10.30	Line	-	19.54	0.24	0.16	9.90			
QP	16.467M	29.25	60.00	-30.75	10.42	Line	-	18.83	0.29	0.19	9.94			
AV	16.467M	26.77	50.00	-23.23	10.42	Line	-	16.35	0.29	0.19	9.94			

Mode 1

16/09/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	52.16	66.00	-13.84	9.88	Neutral	"Worst"	42.28	0.03	0.04	9.81			
AV	150k	36.07	56.00	-19.93	9.88	Neutral	-	26.19	0.03	0.04	9.81			
QP	424.5k	41.47	57.36	-15.89	9.89	Neutral	-	31.58	0.03	0.04	9.82			
AV	424.5k	26.80	47.36	-20.56	9.89	Neutral	-	16.91	0.03	0.04	9.82			
QP	1.235M	26.37	56.00	-29.63	9.94	Neutral	-	16.43	0.06	0.05	9.83			
AV	1.235M	17.54	46.00	-28.46	9.94	Neutral	-	7.60	0.06	0.05	9.83			
QP	2.085M	22.61	56.00	-33.39	9.96	Neutral	-	12.65	0.07	0.07	9.82			
AV	2.085M	15.01	46.00	-30.99	9.96	Neutral	-	5.05	0.07	0.07	9.82			
QP	7.058M	30.89	60.00	-29.11	10.19	Neutral	-	20.70	0.16	0.14	9.89			
AV	7.058M	27.45	50.00	-22.55	10.19	Neutral	-	17.26	0.16	0.14	9.89			
QP	21.174M	26.02	60.00	-33.98	10.55	Neutral	-	15.47	0.31	0.24	10.00			
AV	21.174M	19.52	50.00	-30.48	10.55	Neutral	-	8.97	0.31	0.24	10.00			

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	37.95M	18.681M	18M7D1D	28.35M	17.751M
802.11ax HEW20_Nss1,(MCS0)_4TX	43.68M	19.61M	19M6D1D	25.29M	19.28M
802.11ax HEW40_Nss1,(MCS0)_4TX	75.72M	39.28M	39M3D1D	41.34M	38.081M
802.11ax HEW80_Nss1,(MCS0)_4TX	88.68M	77.721M	77M7D1D	81.84M	77.601M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.53M	41.949M	41M9D1D	16.29M	19.52M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.02M	42.399M	42M4D1D	18.63M	19.67M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.8M	49.715M	49M7D1D	37.32M	40.3M
802.11ax HEW80_Nss1,(MCS0)_4TX	76.68M	79.4M	79M4D1D	75.12M	78.561M

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

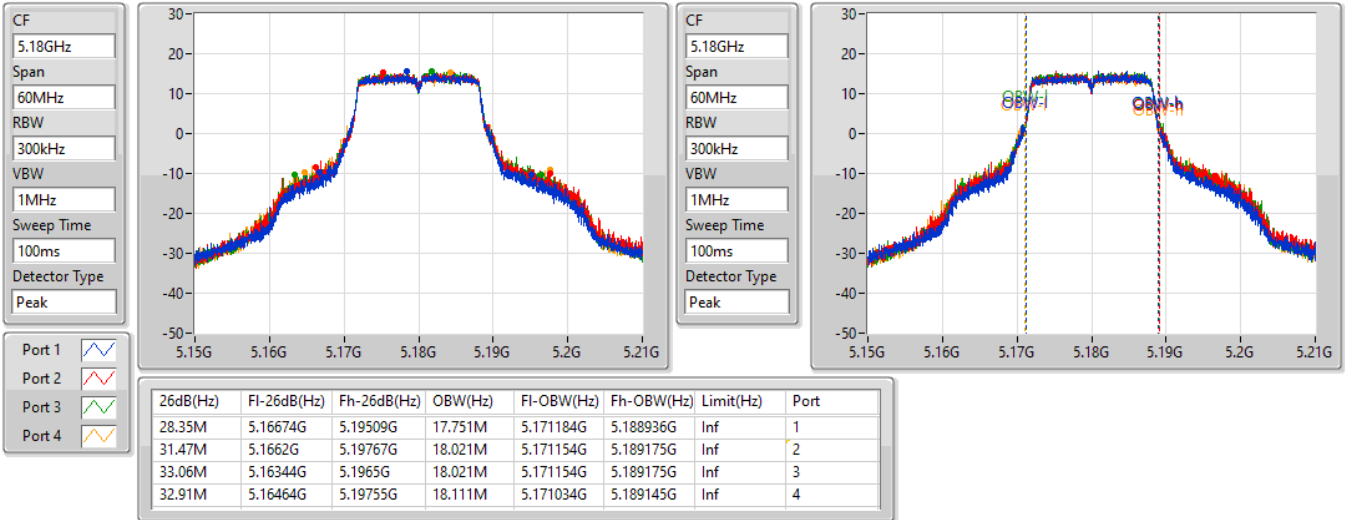
Result

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	28.35M	17.751M	31.47M	18.021M	33.06M	18.021M	32.91M	18.111M
5200MHz	Pass	Inf	33.24M	17.961M	36.54M	18.291M	37.95M	18.291M	37.8M	18.051M
5240MHz	Pass	Inf	36.75M	18.051M	37.74M	18.621M	37.59M	18.681M	36.54M	18.291M
5745MHz	Pass	500k	16.32M	19.52M	16.35M	20.18M	16.32M	20.51M	16.35M	21.679M
5785MHz	Pass	500k	16.32M	20.48M	16.53M	22.279M	16.32M	22.519M	16.47M	22.609M
5825MHz	Pass	500k	16.29M	21.589M	16.35M	41.949M	16.29M	24.438M	16.35M	25.577M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	28.95M	19.28M	25.29M	19.31M	25.83M	19.28M	26.31M	19.28M
5200MHz	Pass	Inf	38.88M	19.46M	40.83M	19.46M	36.54M	19.46M	35.73M	19.46M
5240MHz	Pass	Inf	36.24M	19.52M	43.68M	19.61M	37.47M	19.49M	37.71M	19.49M
5745MHz	Pass	500k	18.93M	19.67M	18.9M	19.91M	18.84M	19.91M	18.87M	20.36M
5785MHz	Pass	500k	19.02M	20.03M	18.63M	21.229M	18.84M	22.969M	18.84M	22.849M
5825MHz	Pass	500k	18.96M	21.499M	18.72M	42.399M	18.81M	24.588M	18.72M	25.877M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	42.66M	38.081M	41.34M	38.081M	41.34M	38.081M	42.84M	38.141M
5230MHz	Pass	Inf	75.72M	39.28M	62.58M	38.921M	66M	38.681M	59.22M	38.501M
5755MHz	Pass	500k	37.8M	40.3M	37.5M	40.42M	37.56M	42.219M	37.68M	45.577M
5795MHz	Pass	500k	37.74M	41.619M	37.5M	46.537M	37.62M	49.475M	37.32M	49.715M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	88.68M	77.721M	84.72M	77.721M	83.52M	77.601M	81.84M	77.721M
5775MHz	Pass	500k	75.48M	78.681M	75.12M	78.561M	76.68M	78.801M	75.12M	79.4M

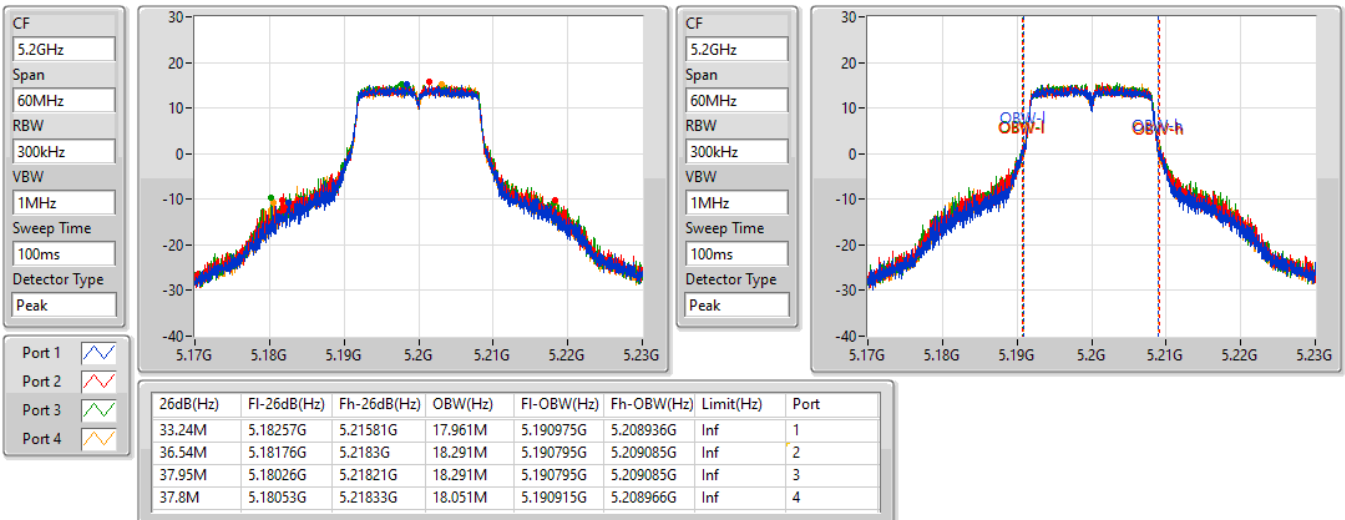
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX
EBW
5180MHz

07/09/2021

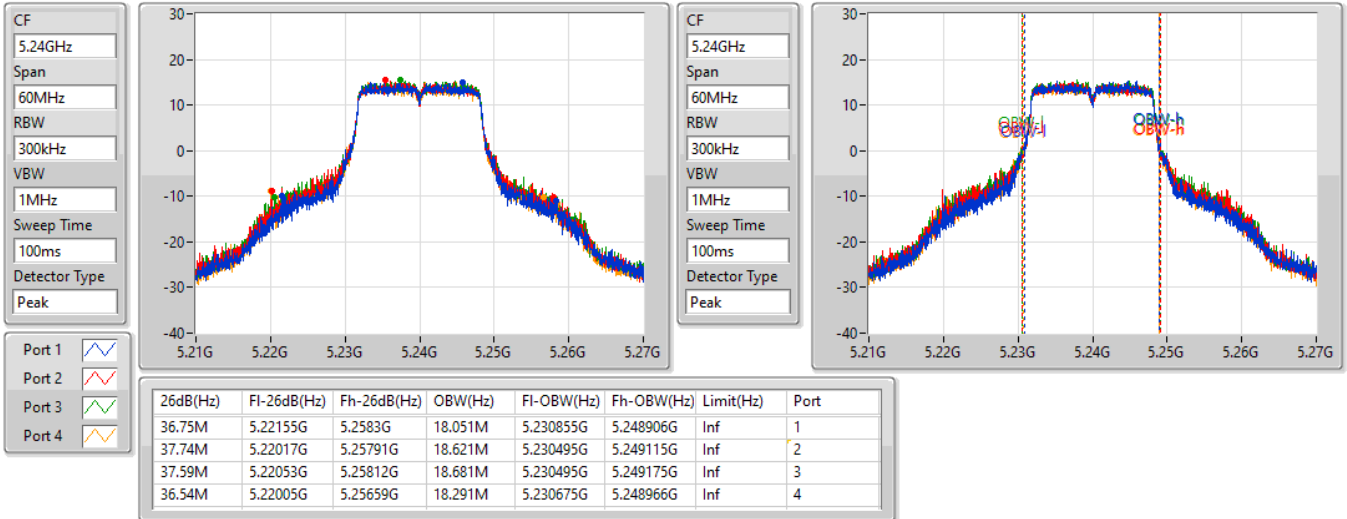

802.11a_Nss1,(6Mbps)_4TX
EBW
5200MHz

07/09/2021

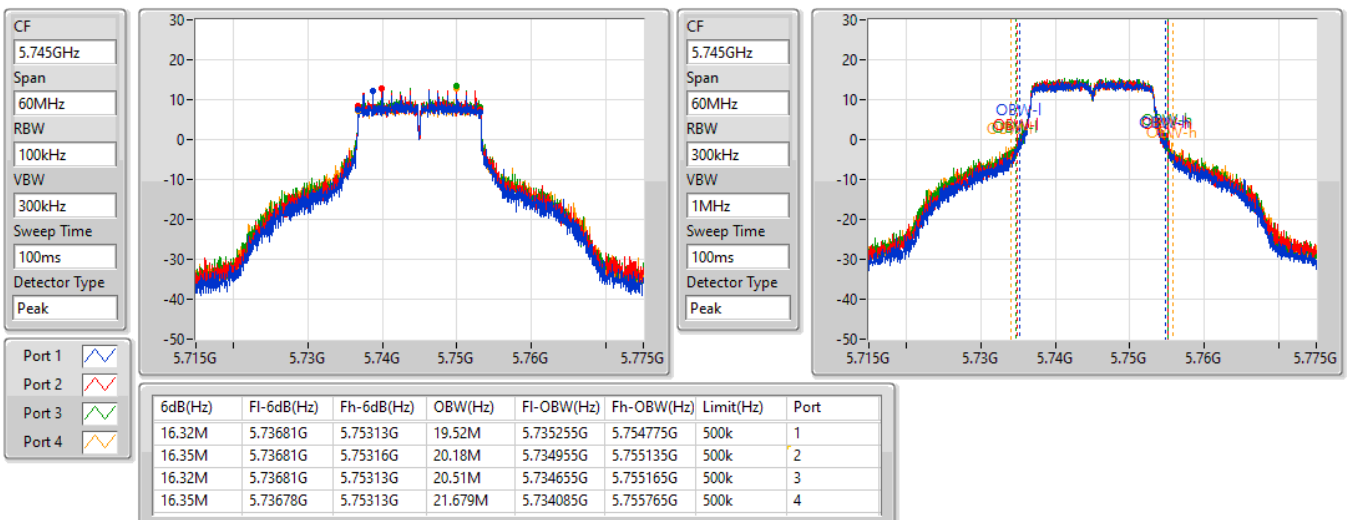


802.11a_Nss1,(6Mbps)_4TX
EBW
5240MHz

07/09/2021

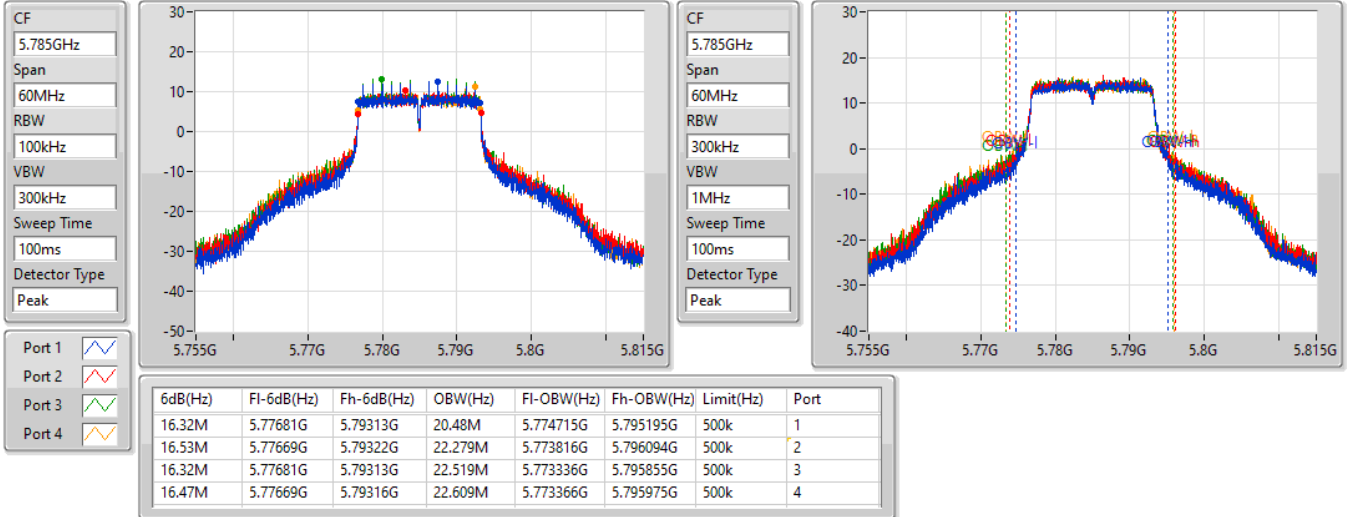

802.11a_Nss1,(6Mbps)_4TX
EBW
5745MHz

07/09/2021

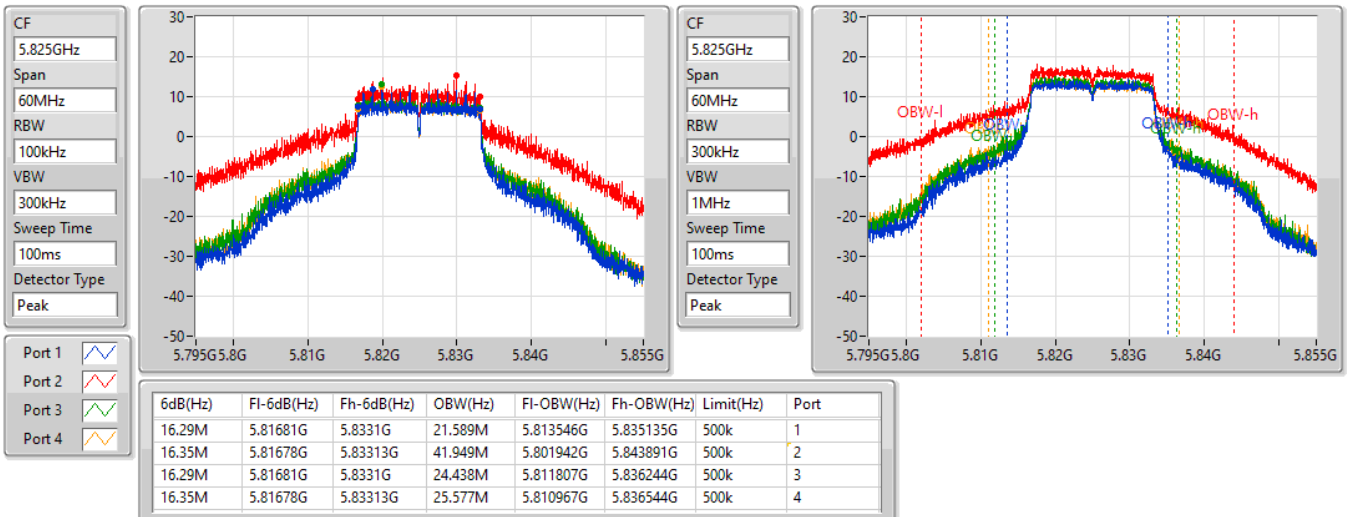


802.11a_Nss1,(6Mbps)_4TX
EBW
5785MHz

07/09/2021

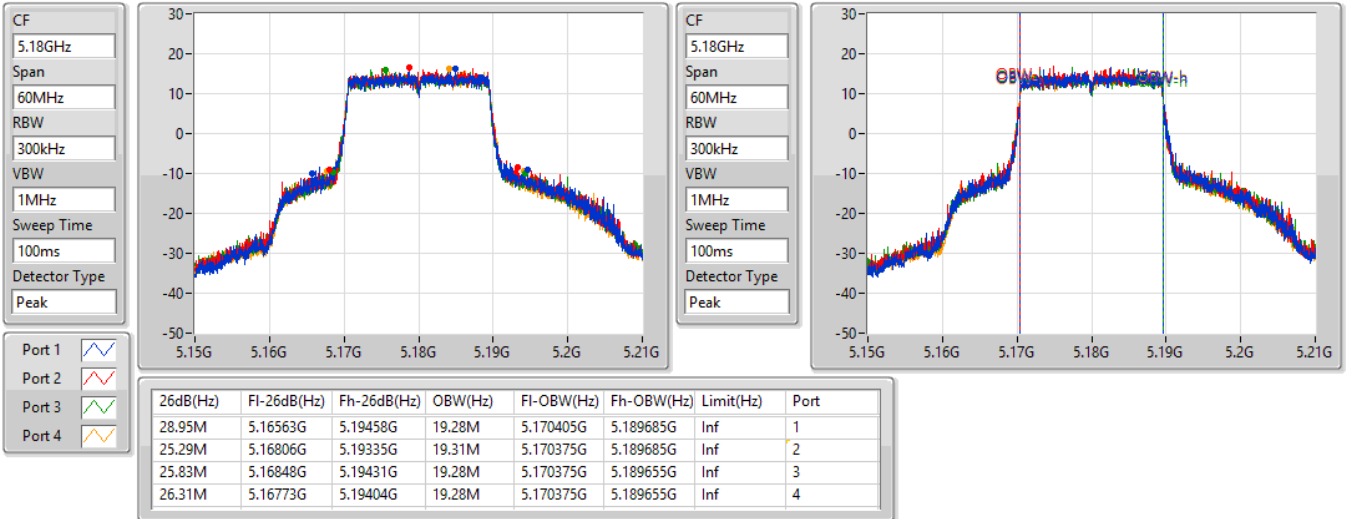

802.11a_Nss1,(6Mbps)_4TX
EBW
5825MHz

07/09/2021



802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5180MHz

07/09/2021

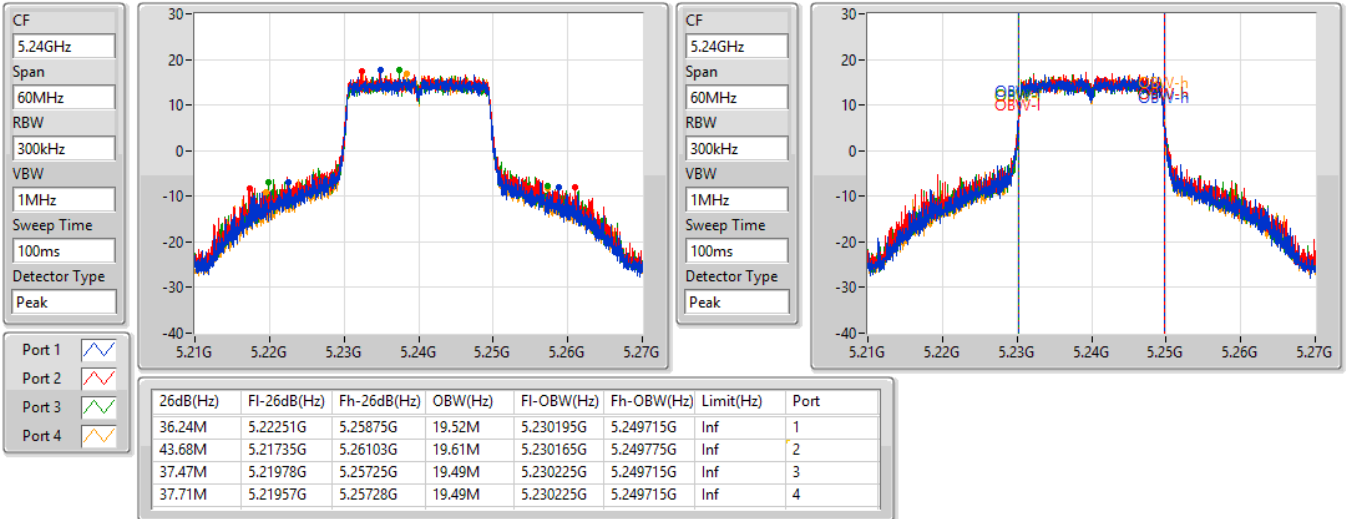

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5200MHz

07/09/2021

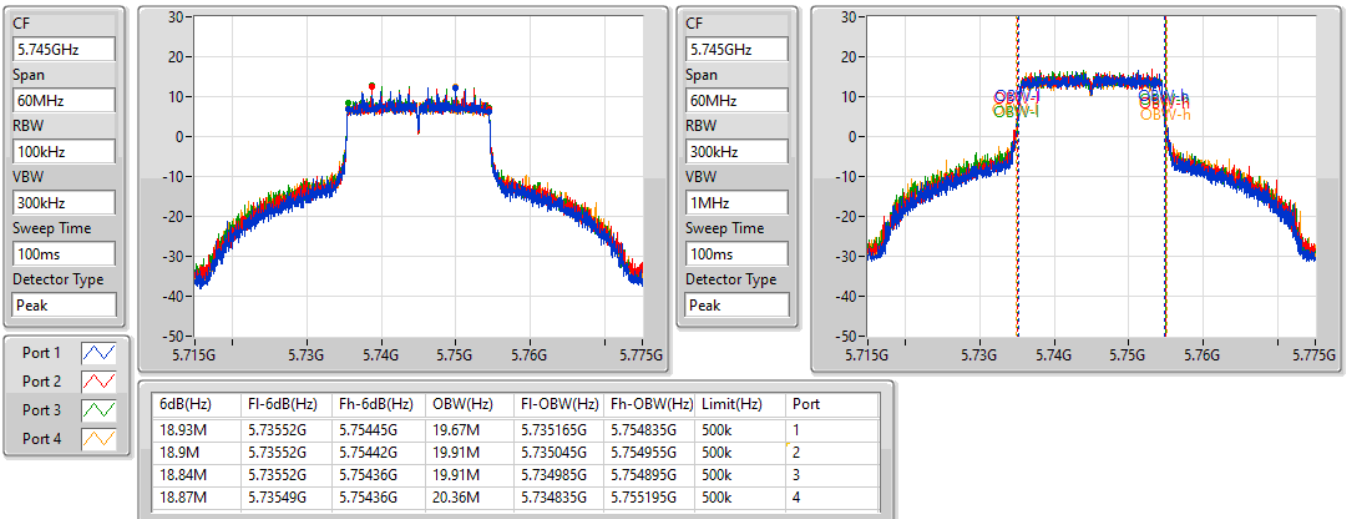


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5240MHz

07/09/2021


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5745MHz

07/09/2021

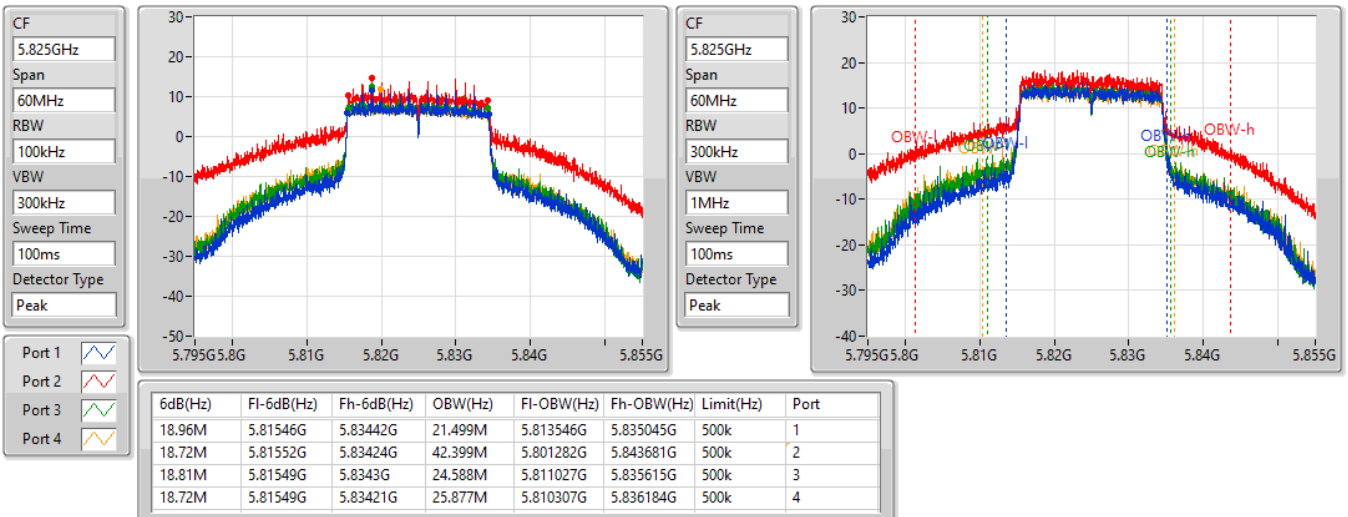


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5785MHz

07/09/2021


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5825MHz

07/09/2021

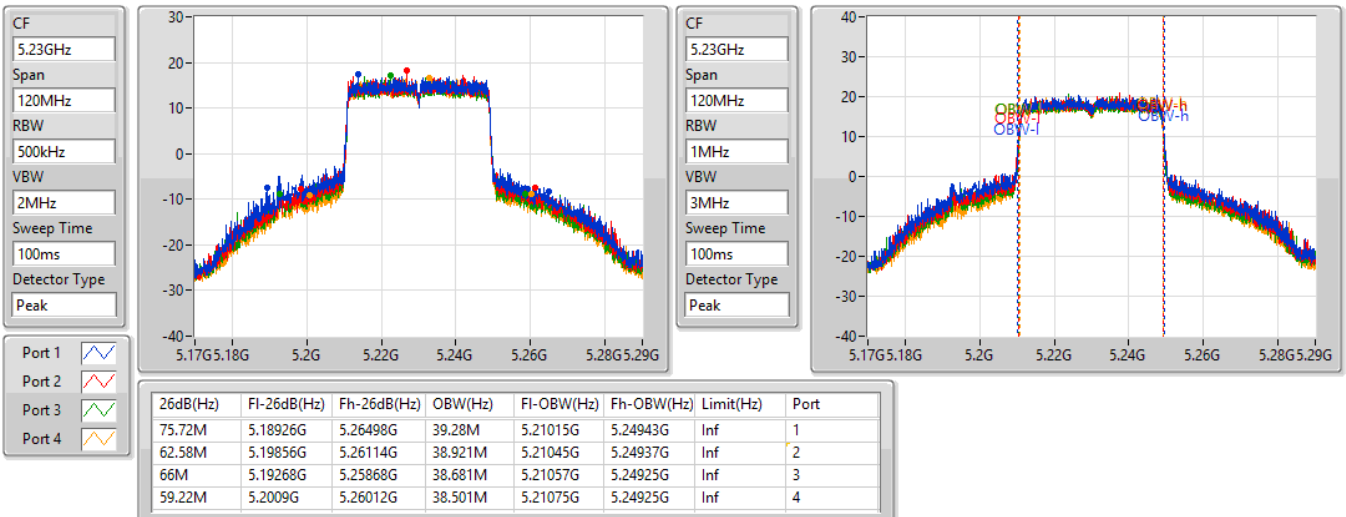


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5190MHz

07/09/2021

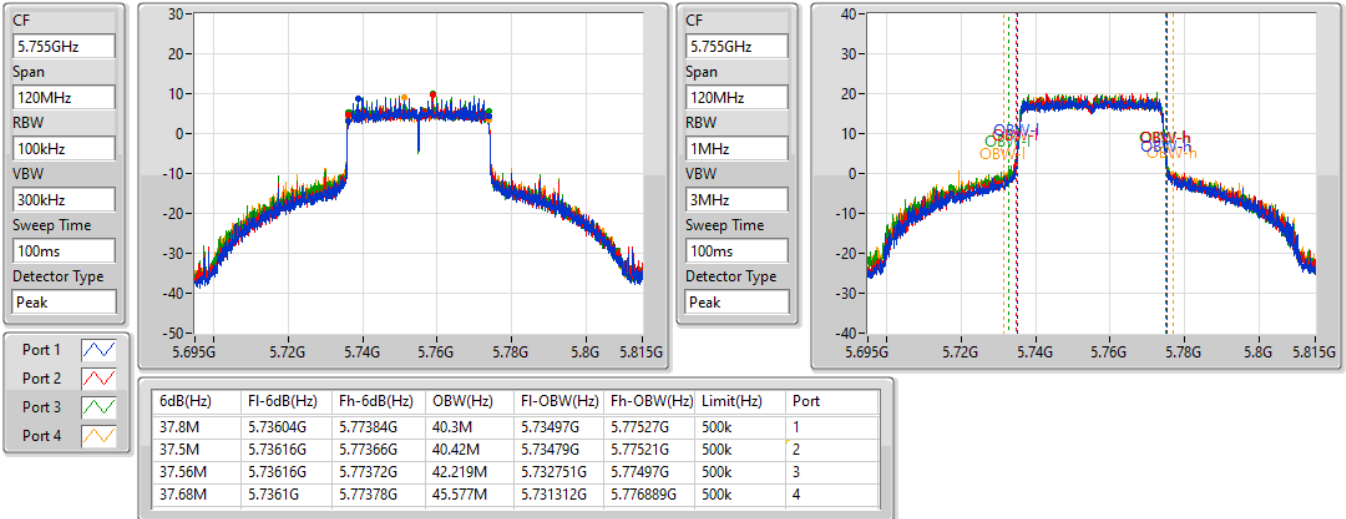

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5230MHz

07/09/2021

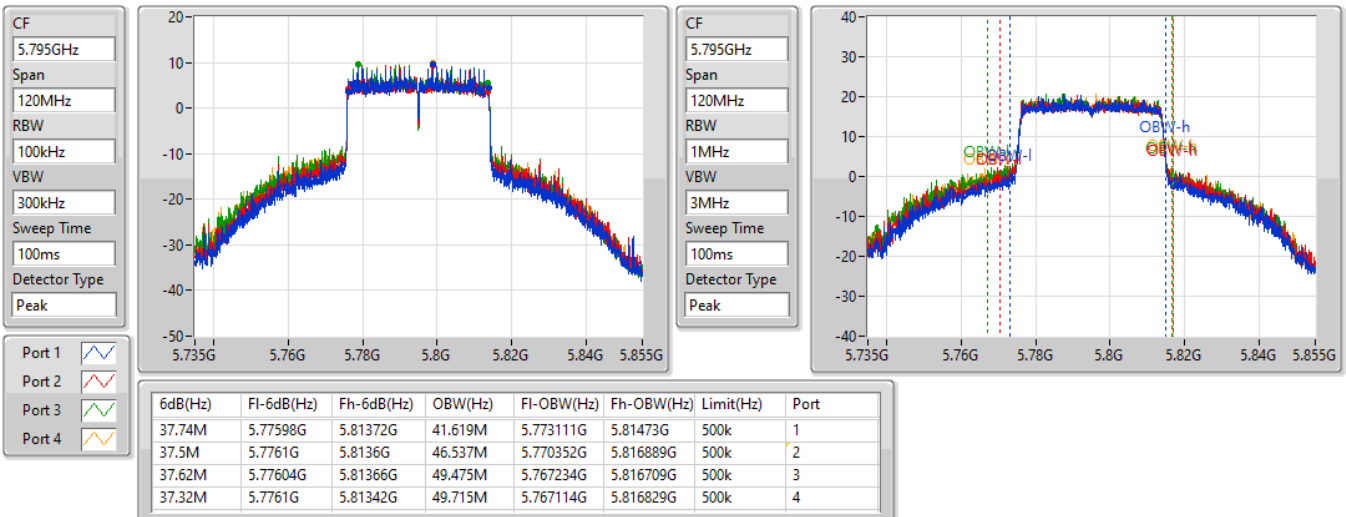


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5755MHz

07/09/2021

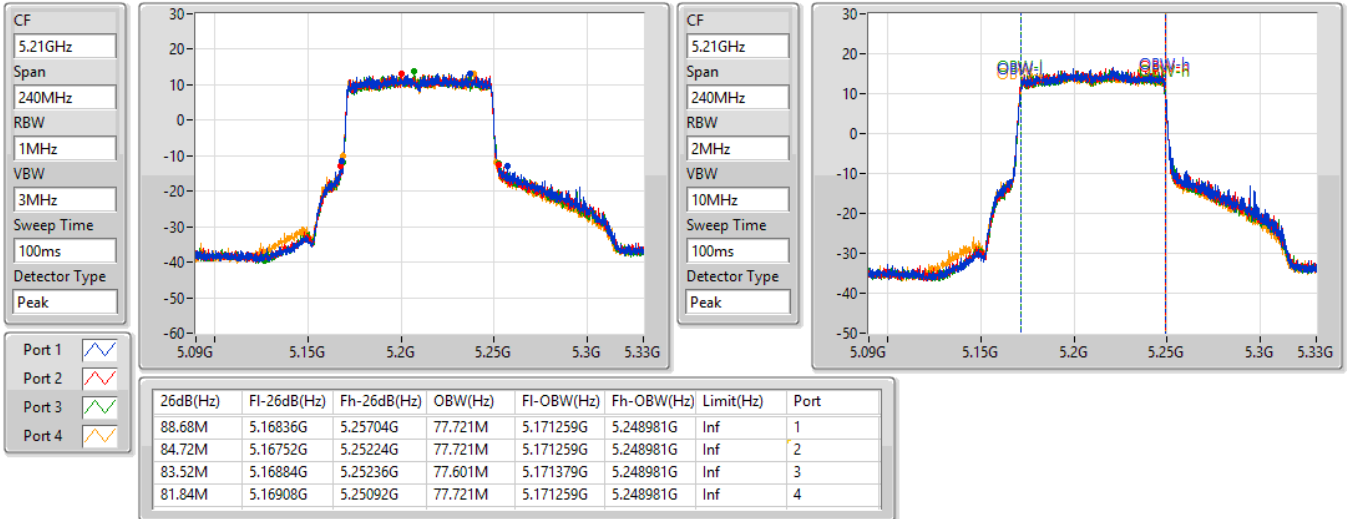

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5795MHz

07/09/2021

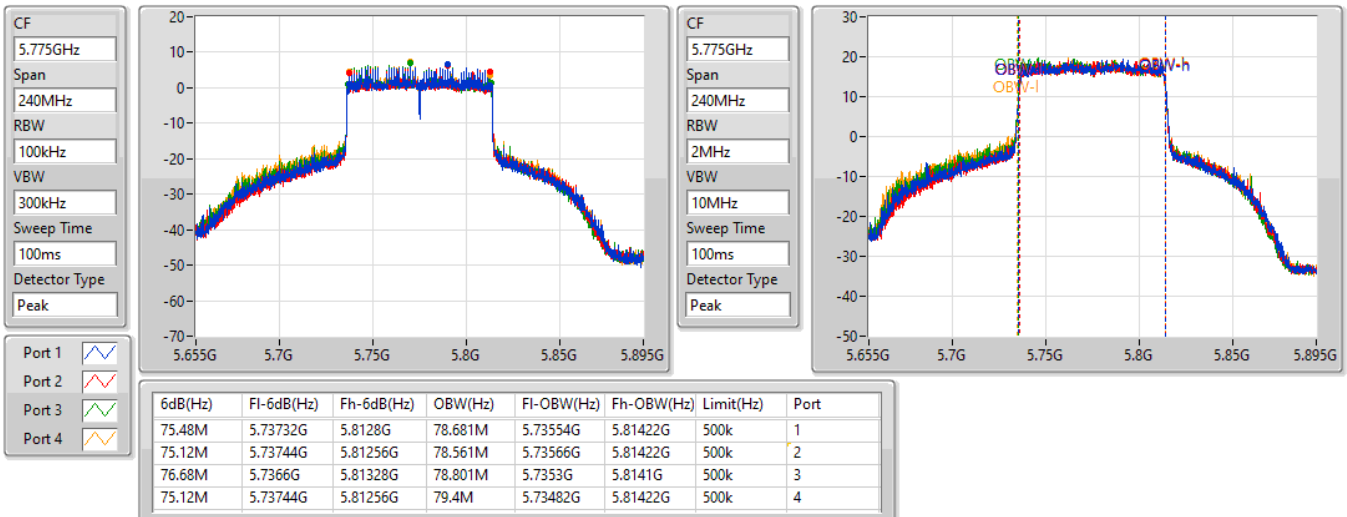


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5210MHz

07/09/2021


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5775MHz

07/09/2021



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	43.74M	20.18M	20M2D1D	22.98M	19.25M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	73.38M	39.64M	39M6D1D	49.5M	38.261M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	117.6M	78.561M	78M6D1D	98.16M	78.081M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.96M	21.079M	21M1D1D	18.78M	19.43M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.8M	47.976M	48M0D1D	37.32M	40.48M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	76.8M	87.556M	87M6D1D	75.96M	79.16M

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

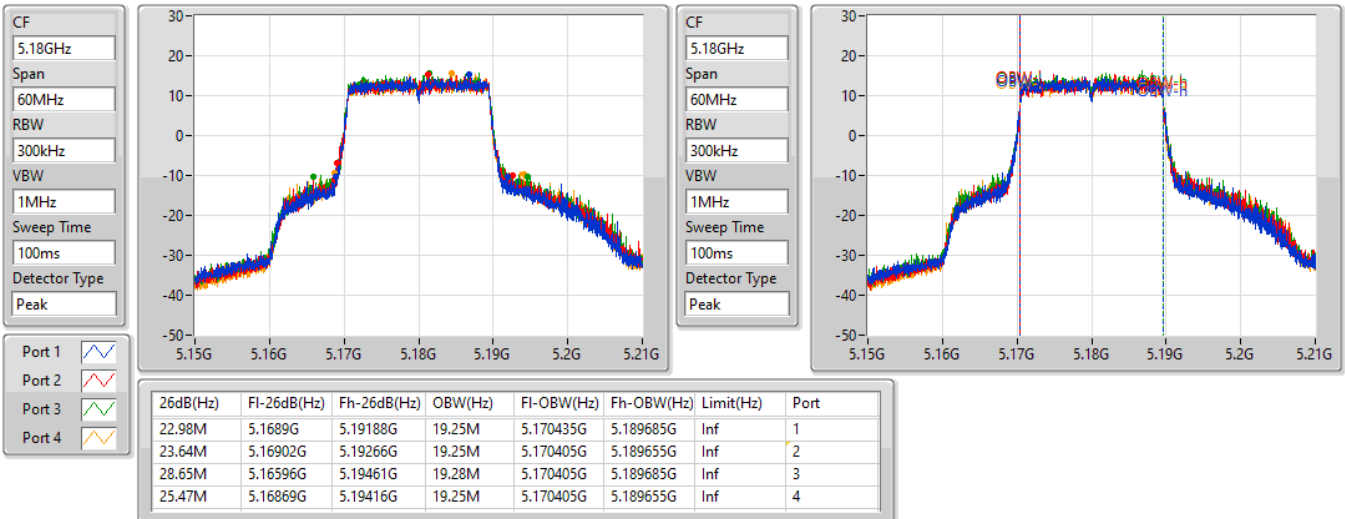
Result

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	22.98M	19.25M	23.64M	19.25M	28.65M	19.28M	25.47M	19.25M
5200MHz	Pass	Inf	40.74M	19.49M	41.85M	19.7M	37.8M	19.73M	39.42M	19.52M
5240MHz	Pass	Inf	34.59M	19.58M	43.74M	20.18M	42.18M	20M	42.42M	19.94M
5745MHz	Pass	500k	18.9M	19.7M	18.87M	19.88M	18.87M	19.94M	18.78M	20.84M
5785MHz	Pass	500k	18.9M	19.73M	18.96M	20.06M	18.84M	20.51M	18.9M	21.079M
5825MHz	Pass	500k	18.9M	19.43M	18.93M	19.61M	18.78M	19.85M	18.81M	20.27M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	52.74M	38.261M	49.5M	38.261M	61.86M	38.381M	67.44M	38.441M
5230MHz	Pass	Inf	65.4M	38.561M	67.2M	38.921M	69.3M	39.1M	73.38M	39.64M
5755MHz	Pass	500k	37.5M	40.48M	37.8M	40.66M	37.56M	41.559M	37.68M	47.136M
5795MHz	Pass	500k	37.8M	40.66M	37.32M	44.018M	37.8M	47.976M	37.68M	47.016M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	98.16M	78.081M	111.12M	78.081M	106.2M	78.321M	117.6M	78.561M
5775MHz	Pass	500k	76.68M	79.52M	76.8M	79.16M	76.2M	83.838M	75.96M	87.556M

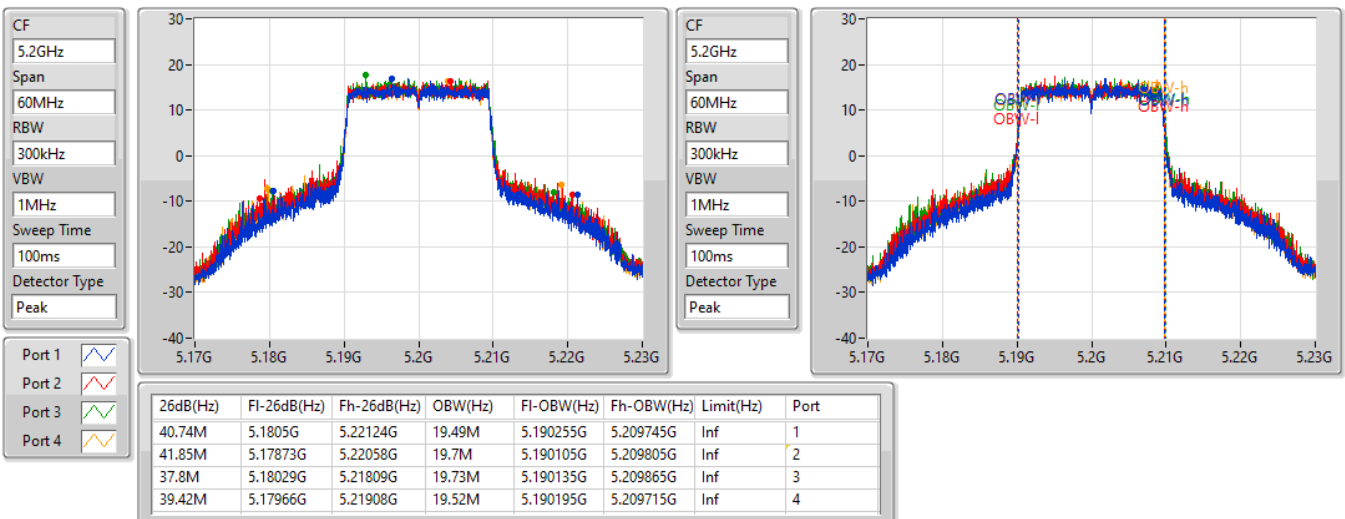
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

13/09/2021

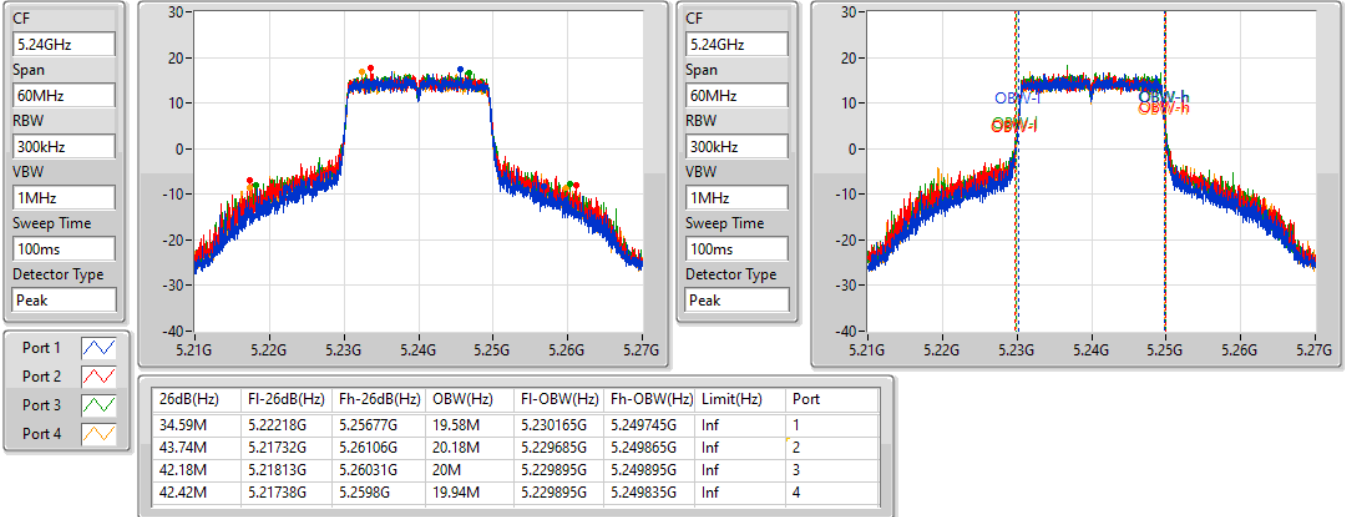

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5200MHz

13/09/2021

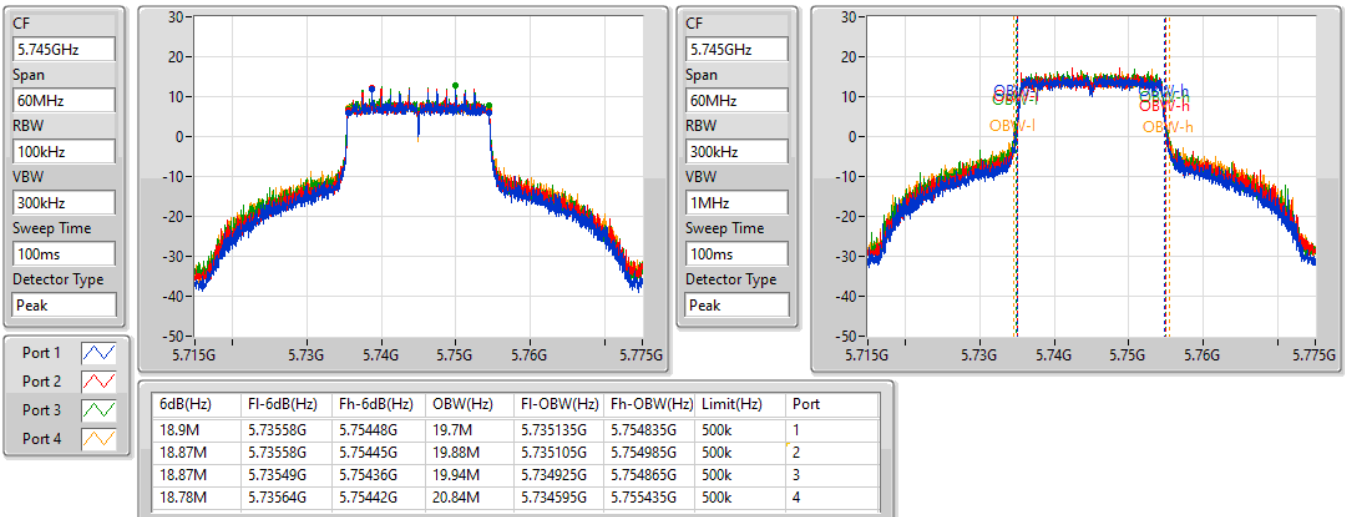


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5240MHz

13/09/2021


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

13/09/2021

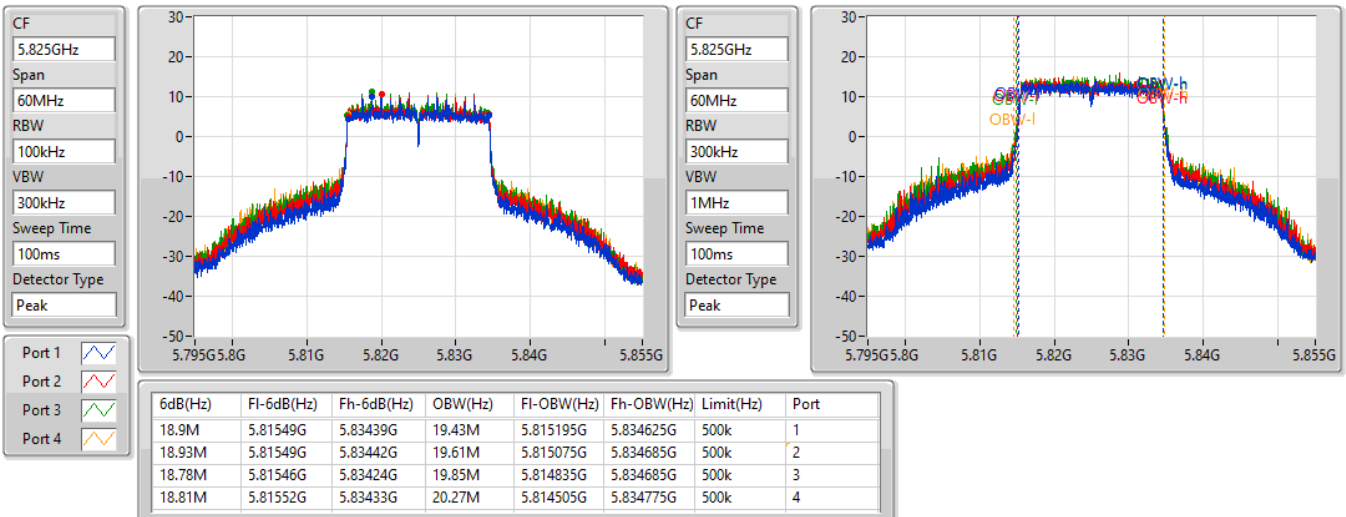


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5785MHz

13/09/2021

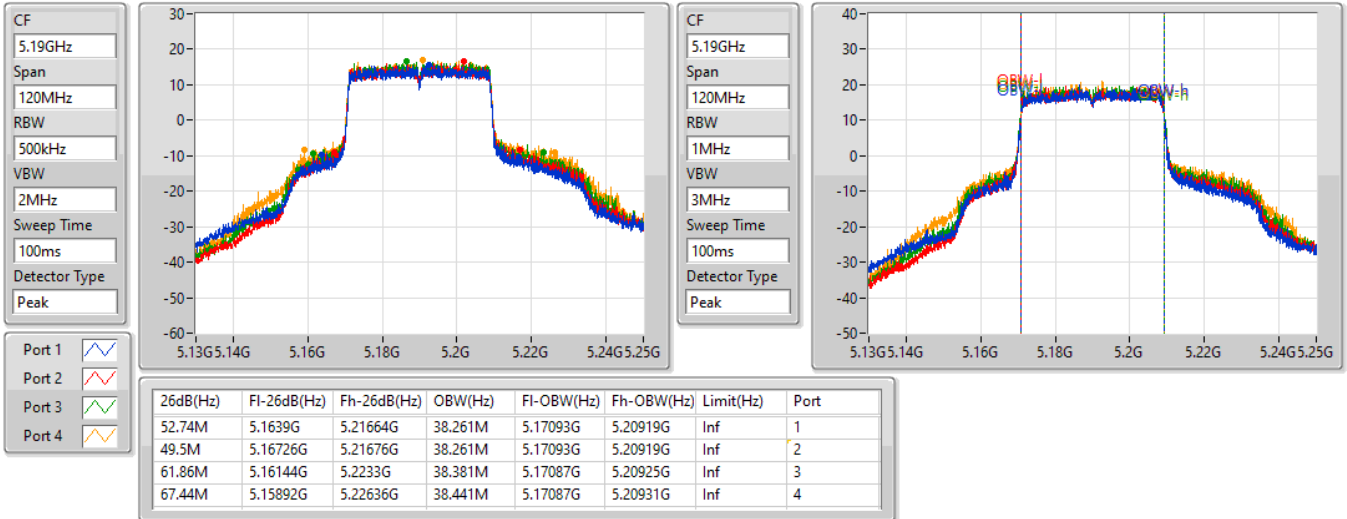

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5825MHz

13/09/2021

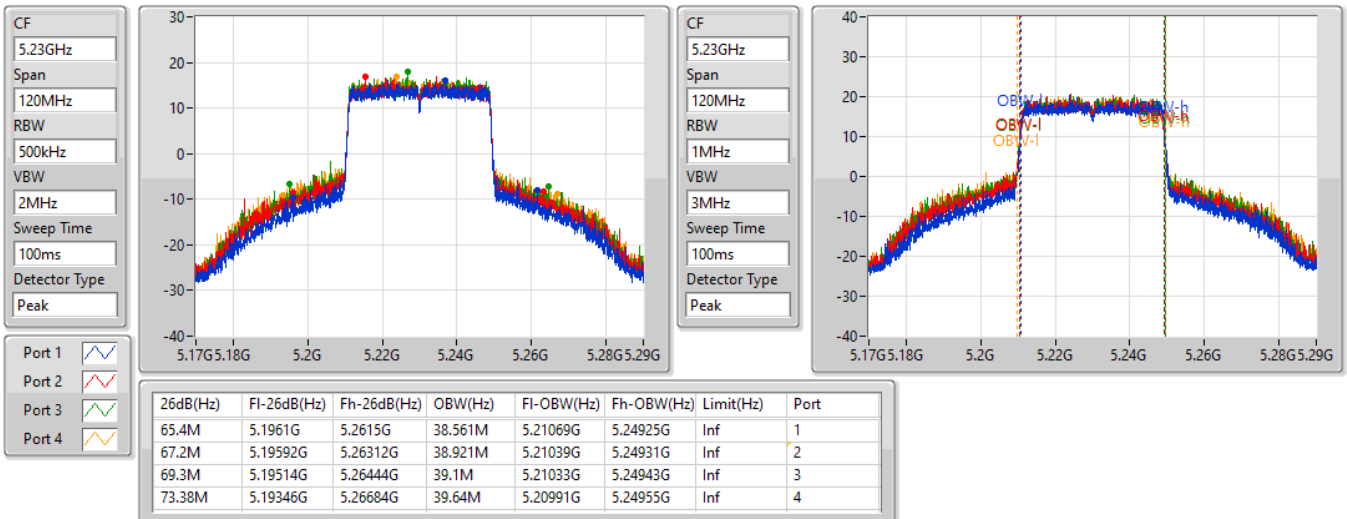


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5190MHz

13/09/2021

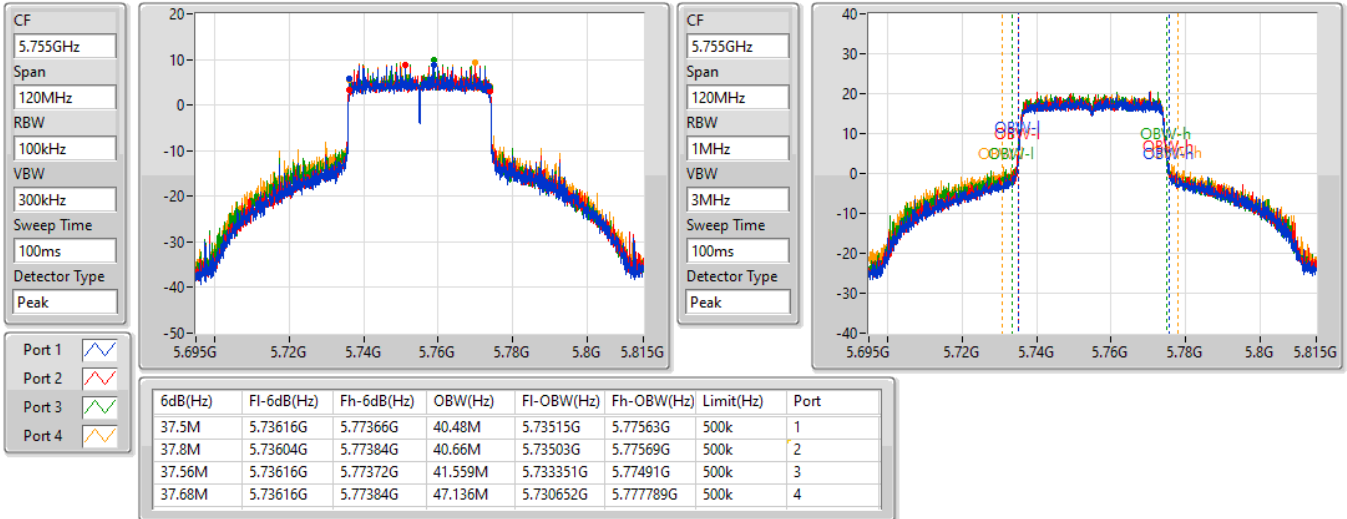

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5230MHz

13/09/2021

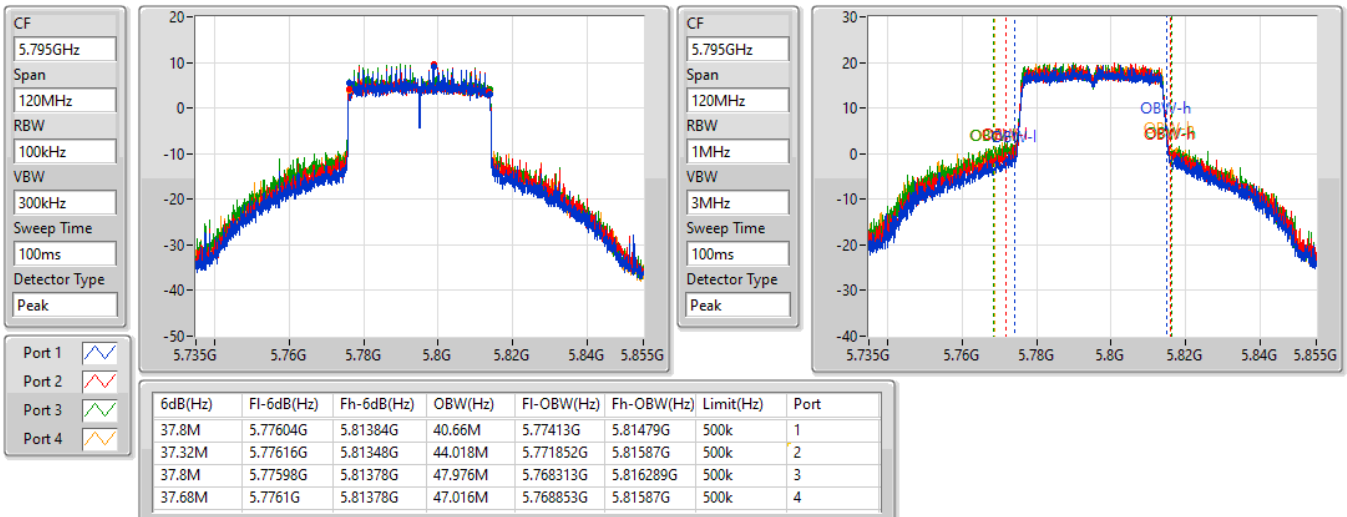


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5755MHz

13/09/2021

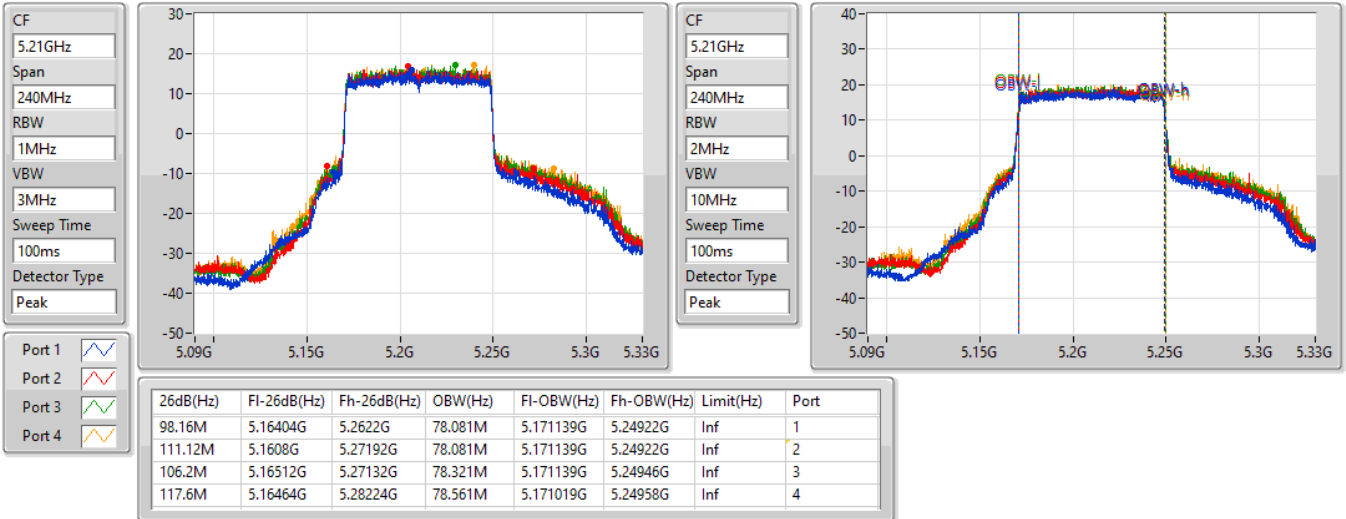

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5795MHz

13/09/2021

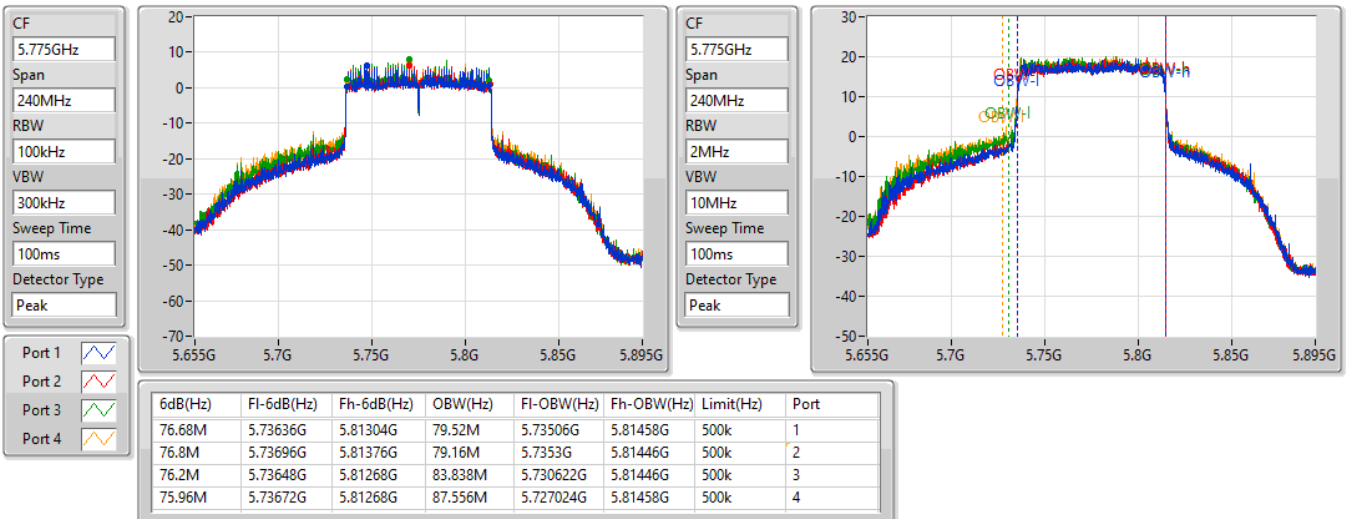


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5210MHz

13/09/2021


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

13/09/2021





Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.91	0.97949
802.11ax HEW20_Nss1,(MCS0)_4TX	29.85	0.96605
802.11ax HEW40_Nss1,(MCS0)_4TX	29.80	0.95499
802.11ax HEW80_Nss1,(MCS0)_4TX	25.50	0.35481
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.93	0.98401
802.11ax HEW20_Nss1,(MCS0)_4TX	29.84	0.96383
802.11ax HEW40_Nss1,(MCS0)_4TX	29.95	0.98855
802.11ax HEW80_Nss1,(MCS0)_4TX	29.22	0.83560



Average Power

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	2.71	23.86	23.95	23.94	23.82	29.91	30.00
5200MHz	Pass	2.71	23.75	23.90	23.97	23.68	29.85	30.00
5240MHz	Pass	2.71	23.75	23.80	24.05	23.56	29.81	30.00
5745MHz	Pass	3.50	23.36	23.75	23.97	23.47	29.66	30.00
5785MHz	Pass	3.50	23.65	23.94	24.07	23.91	29.92	30.00
5825MHz	Pass	3.50	22.95	25.58	23.48	23.05	29.93	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.71	23.28	23.44	23.02	23.12	29.24	30.00
5200MHz	Pass	2.71	23.59	24.18	23.73	23.81	29.85	30.00
5240MHz	Pass	2.71	23.69	24.05	23.77	23.65	29.81	30.00
5745MHz	Pass	3.50	23.32	23.65	23.82	23.38	29.57	30.00
5785MHz	Pass	3.50	23.69	23.82	23.94	23.83	29.84	30.00
5825MHz	Pass	3.50	22.83	25.44	23.41	22.97	29.82	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.71	20.28	20.05	19.50	19.80	25.94	30.00
5230MHz	Pass	2.71	24.23	23.89	23.47	23.48	29.80	30.00
5755MHz	Pass	3.50	23.80	23.86	24.10	23.97	29.95	30.00
5795MHz	Pass	3.50	23.76	23.79	24.03	23.99	29.91	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.71	19.62	19.67	19.35	19.28	25.50	30.00
5775MHz	Pass	3.50	23.13	23.07	23.34	23.27	29.22	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.93	0.98401
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.78	0.95060
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	29.45	0.88105
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.59	0.90991
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.92	0.98175
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	29.85	0.96605

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	4.96	22.25	22.47	22.87	22.39	28.52	30.00
5200MHz	Pass	4.96	23.75	23.82	24.21	23.83	29.93	30.00
5240MHz	Pass	4.96	23.60	23.99	24.21	23.68	29.90	30.00
5745MHz	Pass	4.82	23.17	23.42	24.06	23.57	29.59	30.00
5785MHz	Pass	4.82	23.31	23.51	23.71	23.62	29.56	30.00
5825MHz	Pass	4.82	21.71	22.18	22.49	22.33	28.21	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.96	23.05	23.25	23.58	23.76	29.44	30.00
5230MHz	Pass	4.96	23.43	23.66	23.99	23.94	29.78	30.00
5755MHz	Pass	4.82	23.59	23.83	24.20	23.95	29.92	30.00
5795MHz	Pass	4.82	23.50	23.74	24.17	24.02	29.89	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.96	22.93	23.31	23.82	23.61	29.45	30.00
5775MHz	Pass	4.82	23.47	23.54	24.19	24.09	29.85	30.00

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.73
802.11ax HEW20_Nss1,(MCS0)_4TX	16.25
802.11ax HEW40_Nss1,(MCS0)_4TX	13.36
802.11ax HEW80_Nss1,(MCS0)_4TX	6.60
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.26
802.11ax HEW20_Nss1,(MCS0)_4TX	14.47
802.11ax HEW40_Nss1,(MCS0)_4TX	11.84
802.11ax HEW80_Nss1,(MCS0)_4TX	8.46

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.96	10.72	10.95	10.95	10.68	16.73	17.00
5200MHz	Pass	4.96	10.59	10.81	11.09	10.58	16.71	17.00
5240MHz	Pass	4.96	10.62	10.86	11.00	10.34	16.65	17.00
5745MHz	Pass	4.82	8.86	8.98	9.31	8.86	14.90	30.00
5785MHz	Pass	4.82	9.10	9.19	9.50	9.26	15.13	30.00
5825MHz	Pass	4.82	8.30	10.84	9.10	8.55	15.26	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.96	9.39	9.68	9.20	9.31	15.35	17.00
5200MHz	Pass	4.96	10.07	10.39	10.16	10.11	16.14	17.00
5240MHz	Pass	4.96	10.15	10.61	10.19	10.24	16.25	17.00
5745MHz	Pass	4.82	8.07	8.34	8.48	8.10	14.18	30.00
5785MHz	Pass	4.82	8.34	8.53	8.80	8.61	14.47	30.00
5825MHz	Pass	4.82	7.61	10.04	8.25	7.77	14.46	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.96	3.86	4.00	3.38	3.51	9.63	17.00
5230MHz	Pass	4.96	7.70	7.64	7.20	7.19	13.36	17.00
5755MHz	Pass	4.82	5.69	6.00	5.95	5.71	11.75	30.00
5795MHz	Pass	4.82	5.73	5.74	6.08	5.95	11.84	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.96	0.78	0.80	0.48	0.51	6.60	17.00
5775MHz	Pass	4.82	2.39	2.50	2.61	2.73	8.46	30.00

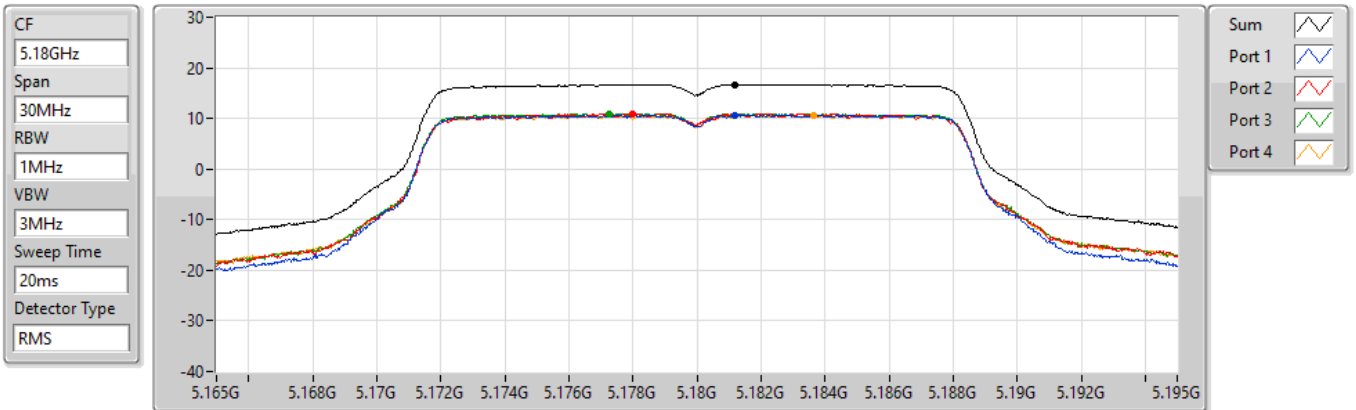
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

07/09/2021

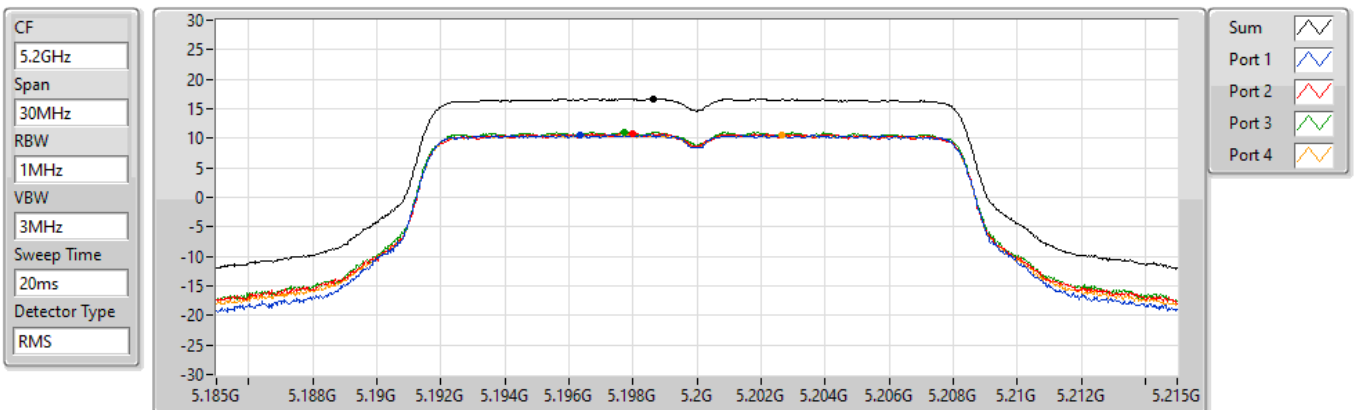


802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

07/09/2021

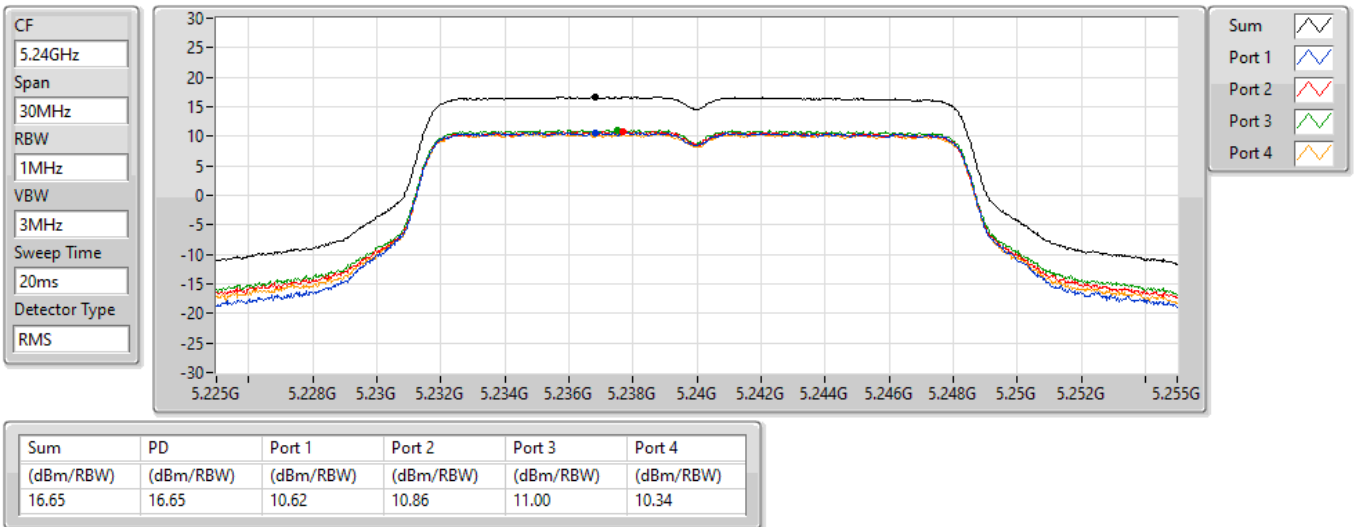


802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

07/09/2021

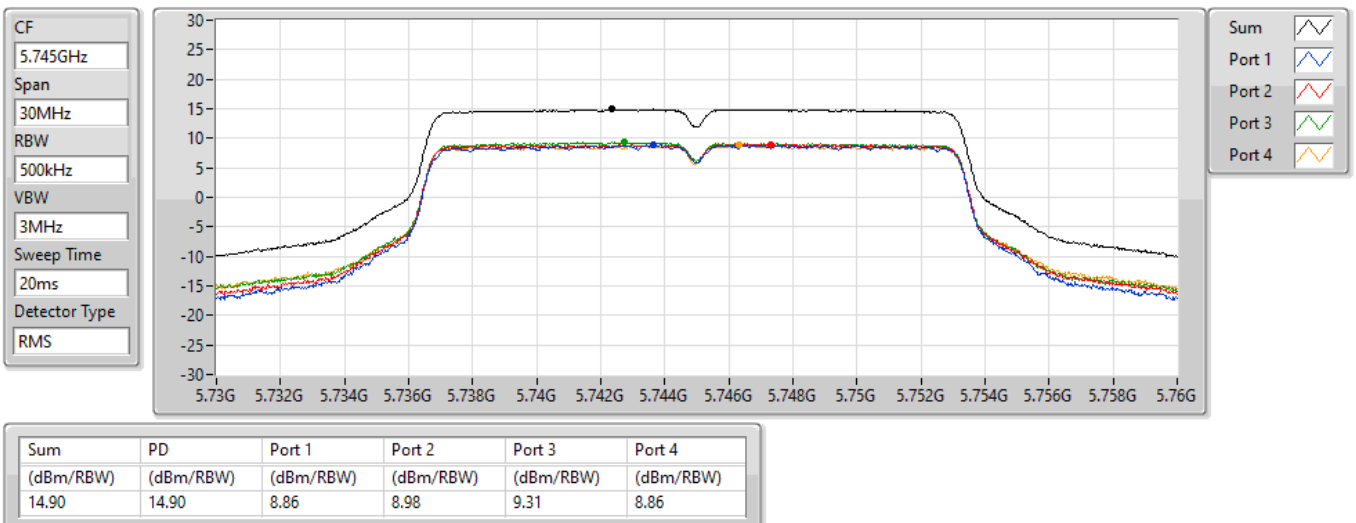


802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

07/09/2021

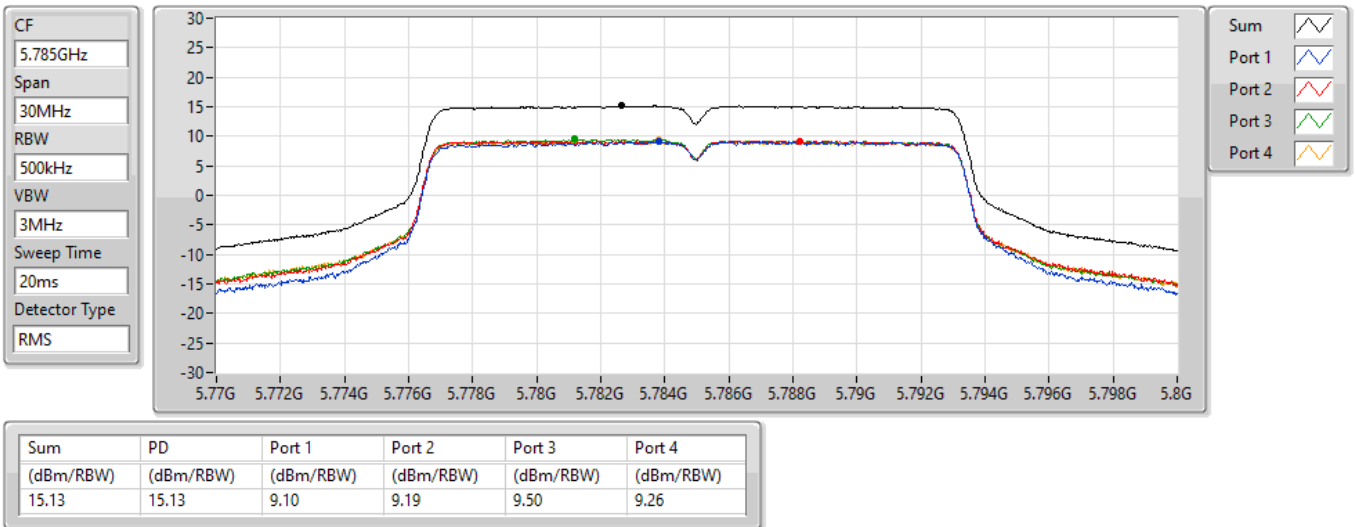


802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

07/09/2021

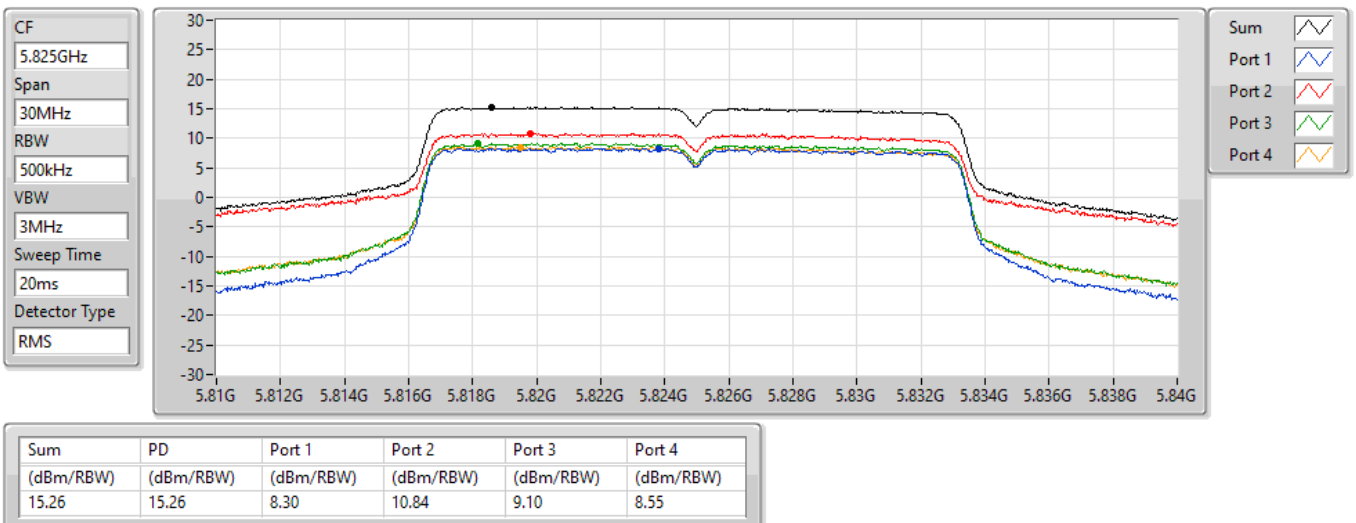


802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

07/09/2021

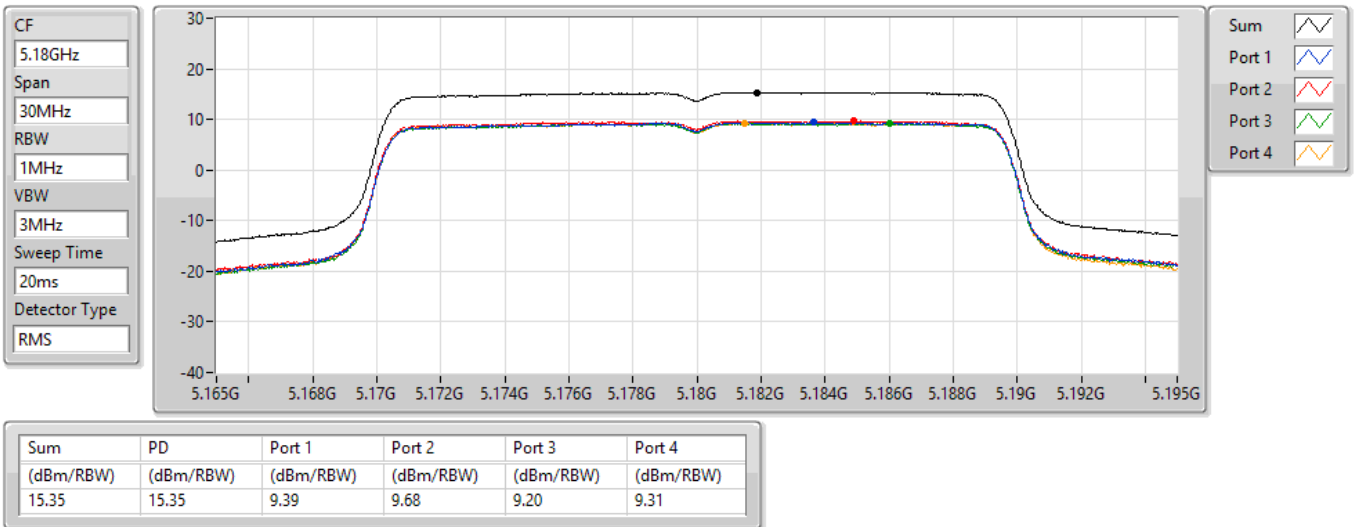


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

07/09/2021

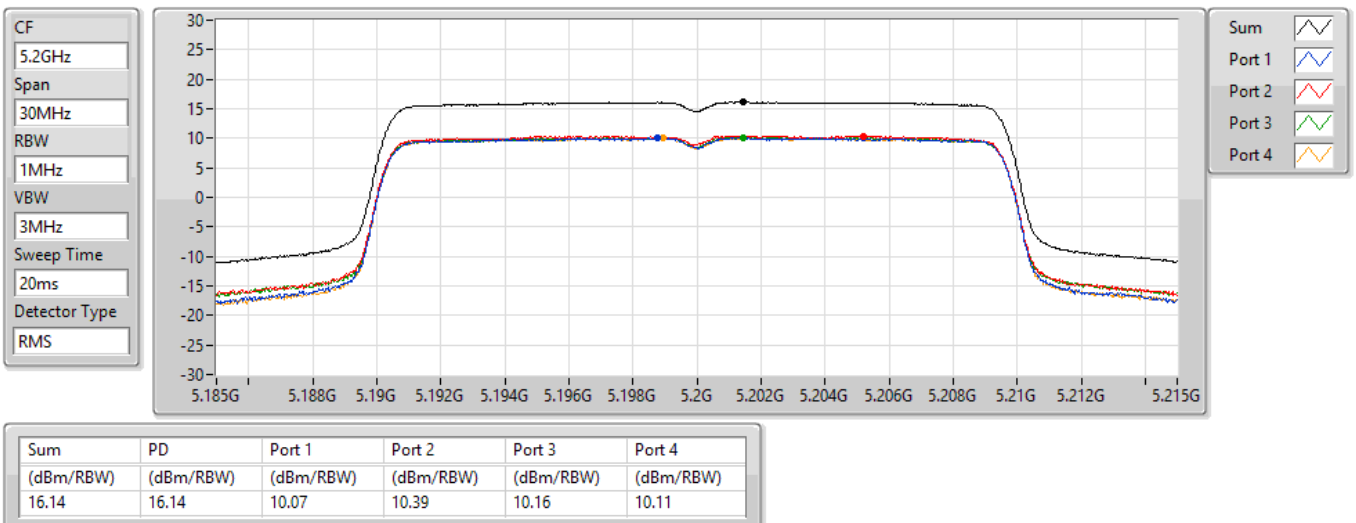


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

07/09/2021

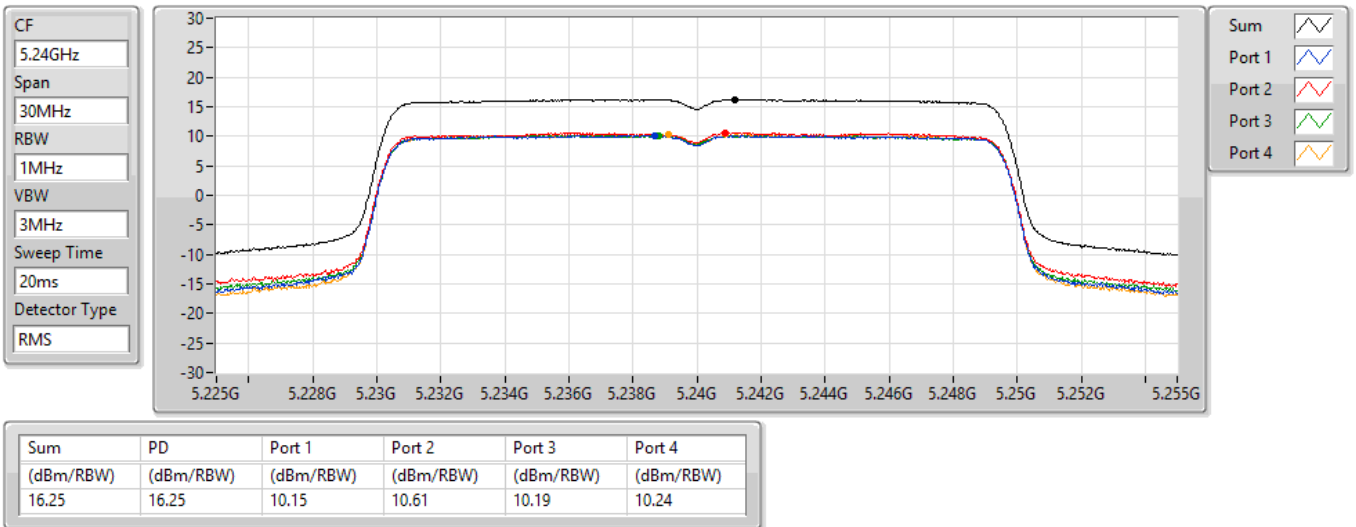


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

07/09/2021

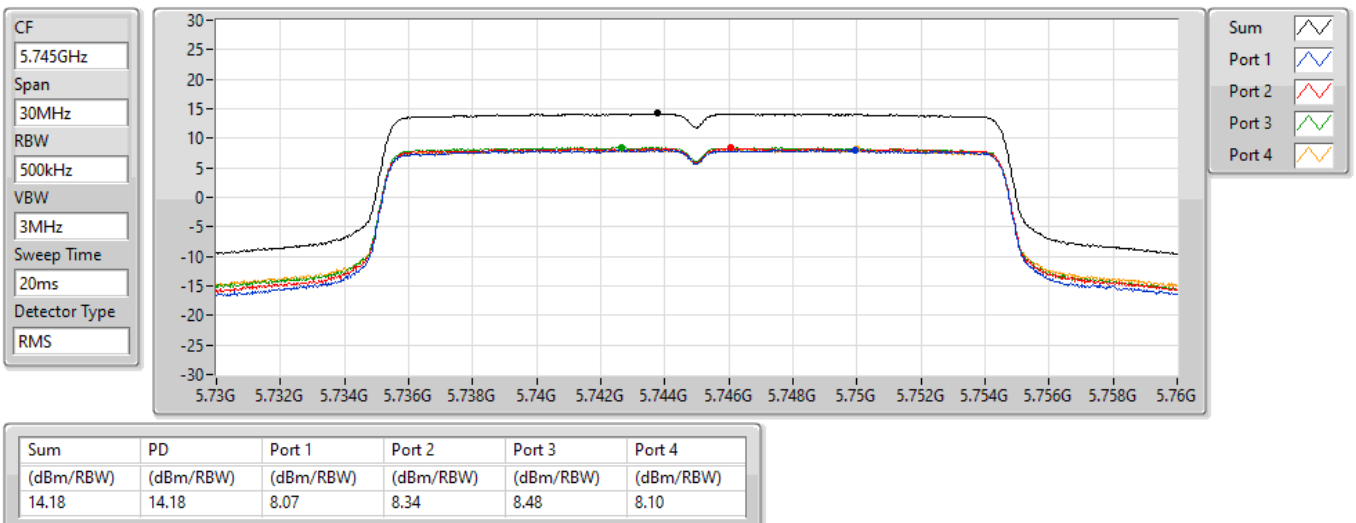


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

07/09/2021

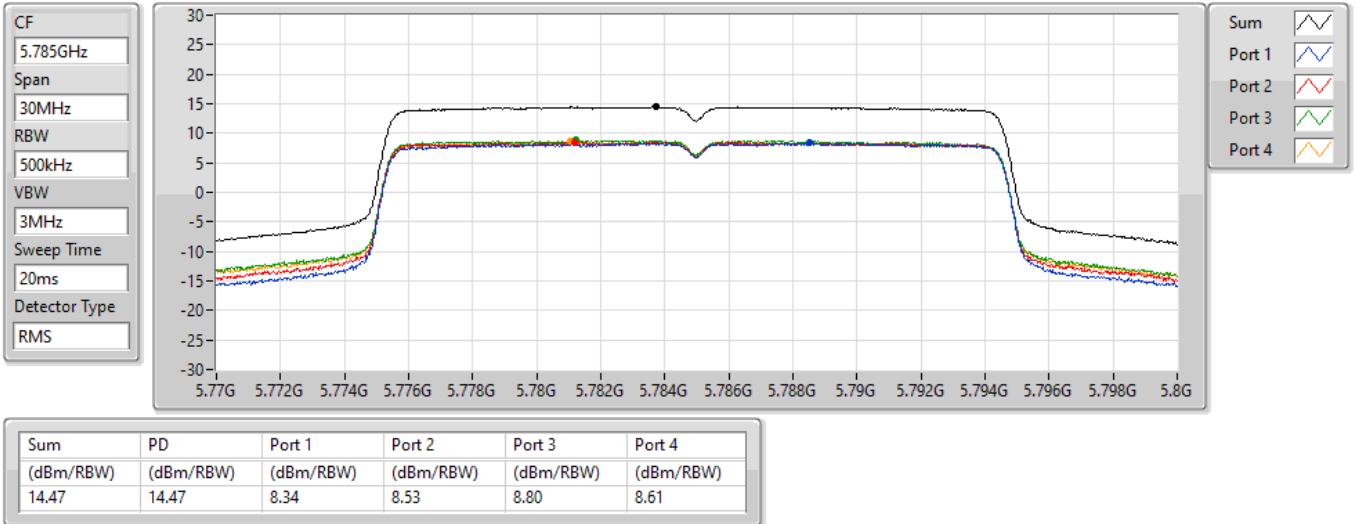


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

07/09/2021

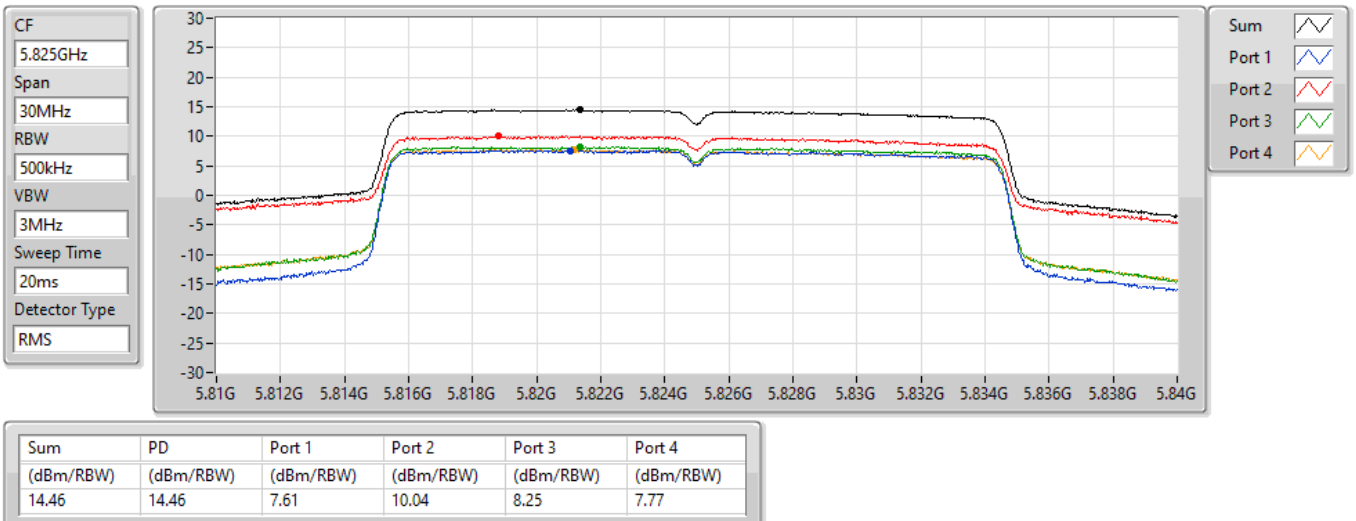


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

07/09/2021

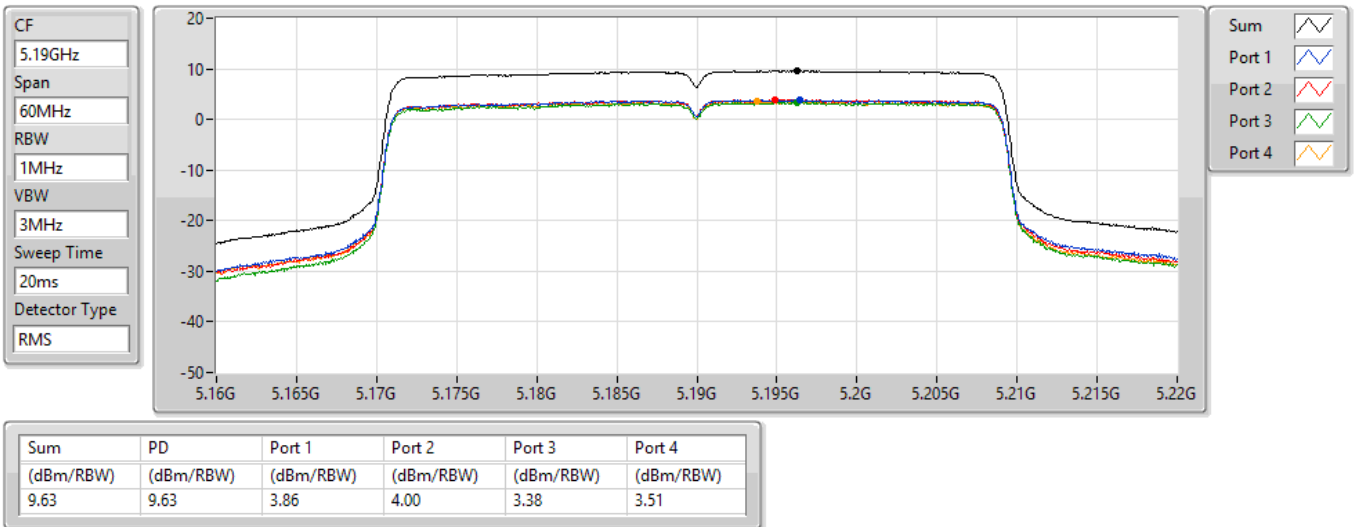


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

07/09/2021

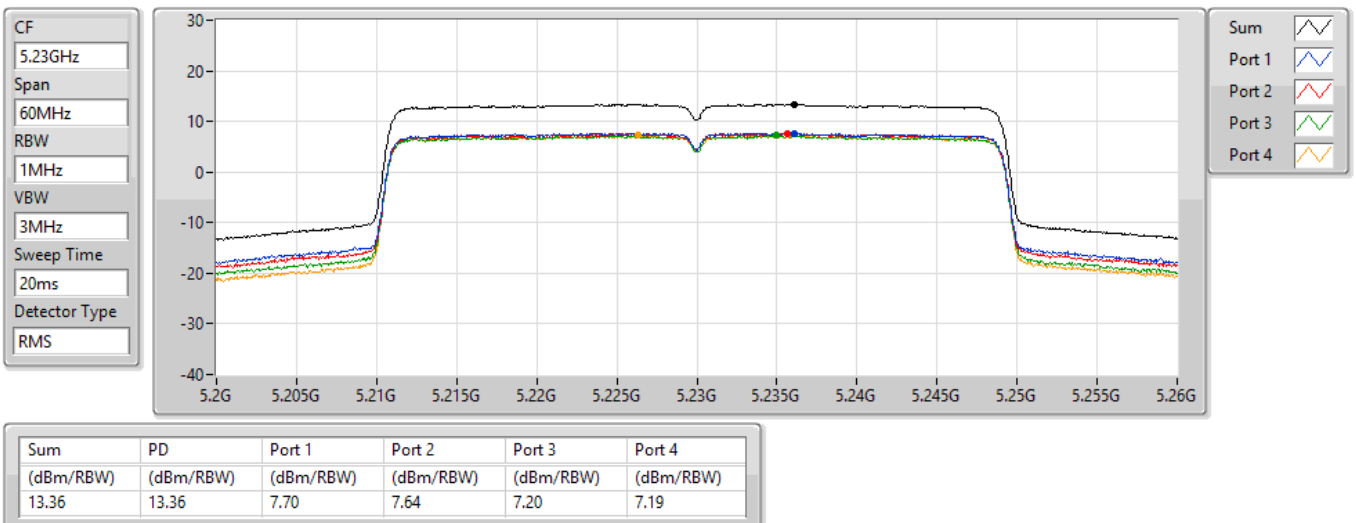


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

07/09/2021

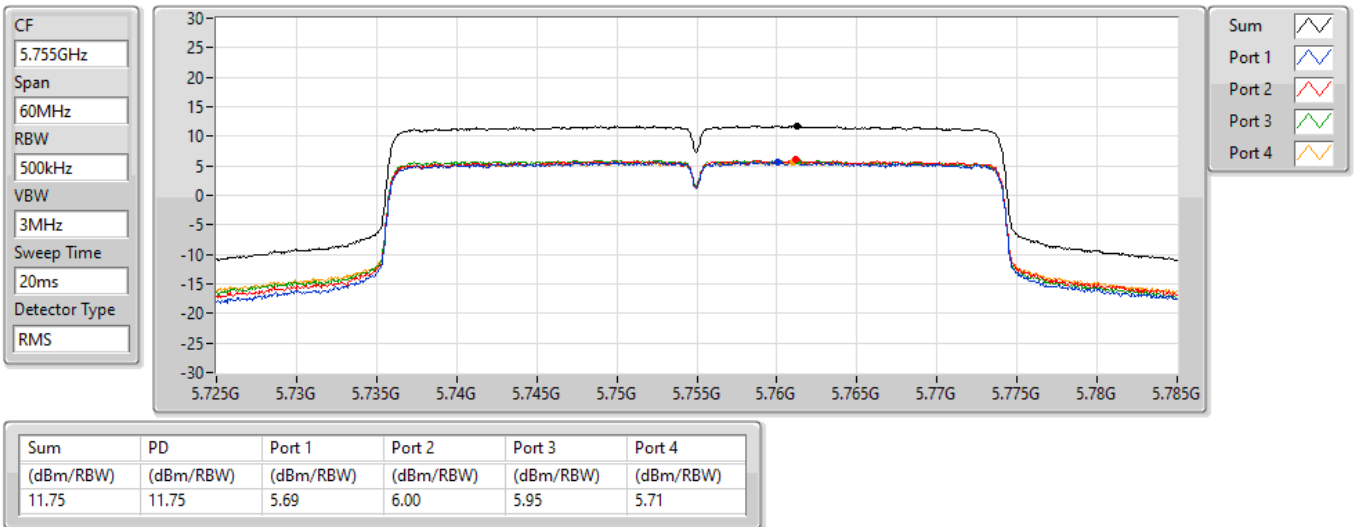


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

07/09/2021

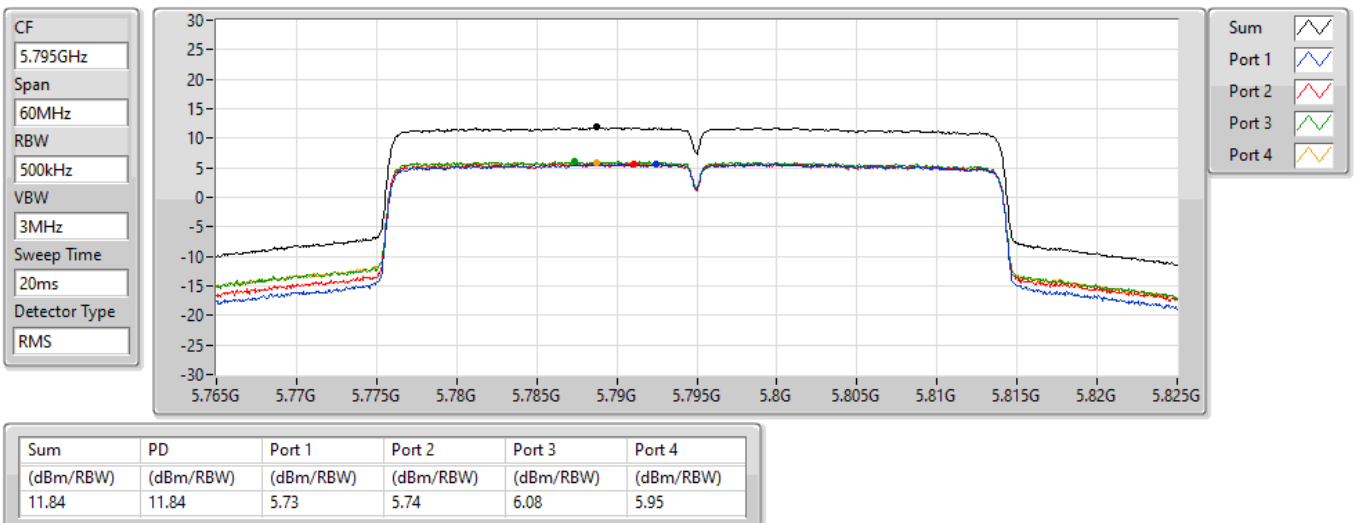


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

07/09/2021

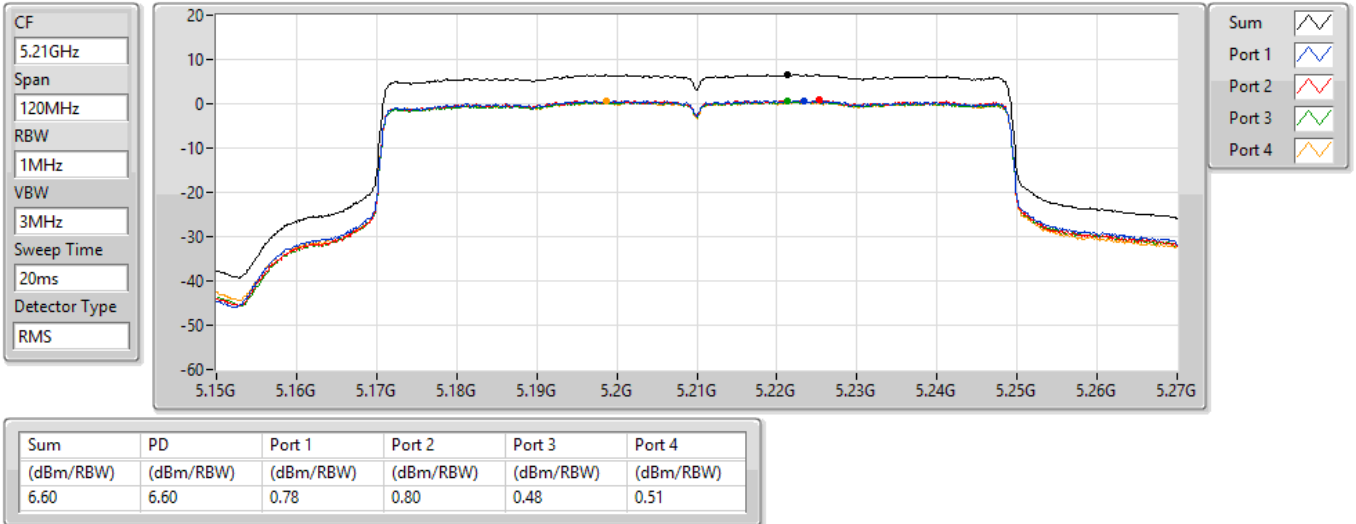


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

07/09/2021

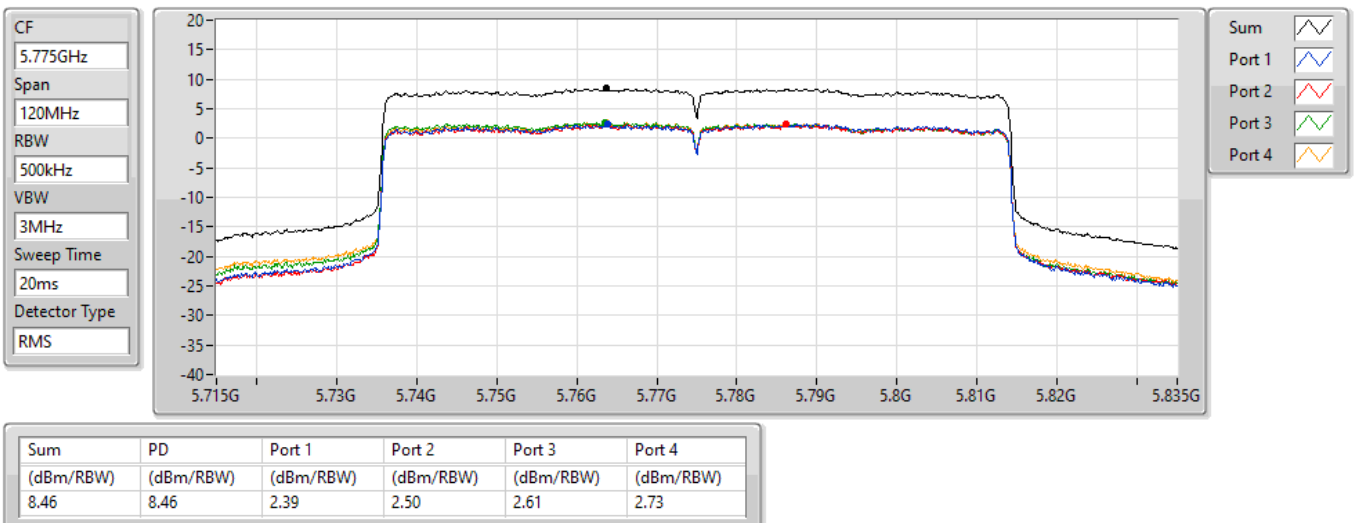


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

07/09/2021



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	16.11
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	13.07
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	10.21
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	14.09
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	11.62
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	8.84

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	4.96	8.67	8.52	9.06	8.43	14.56	17.00
5200MHz	Pass	4.96	9.88	10.15	10.50	10.05	16.08	17.00
5240MHz	Pass	4.96	9.90	10.24	10.58	9.96	16.11	17.00
5745MHz	Pass	4.82	7.70	8.14	8.58	8.13	14.09	30.00
5785MHz	Pass	4.82	7.65	7.97	8.49	8.32	14.07	30.00
5825MHz	Pass	4.82	6.38	6.91	7.47	7.09	12.87	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.96	6.56	6.75	7.18	7.38	12.90	17.00
5230MHz	Pass	4.96	6.60	7.02	7.43	7.34	13.07	17.00
5755MHz	Pass	4.82	5.18	5.69	5.91	5.85	11.62	30.00
5795MHz	Pass	4.82	5.38	5.55	5.96	5.83	11.60	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.96	3.78	4.23	4.62	4.56	10.21	17.00
5775MHz	Pass	4.82	2.62	2.65	3.39	3.17	8.84	30.00

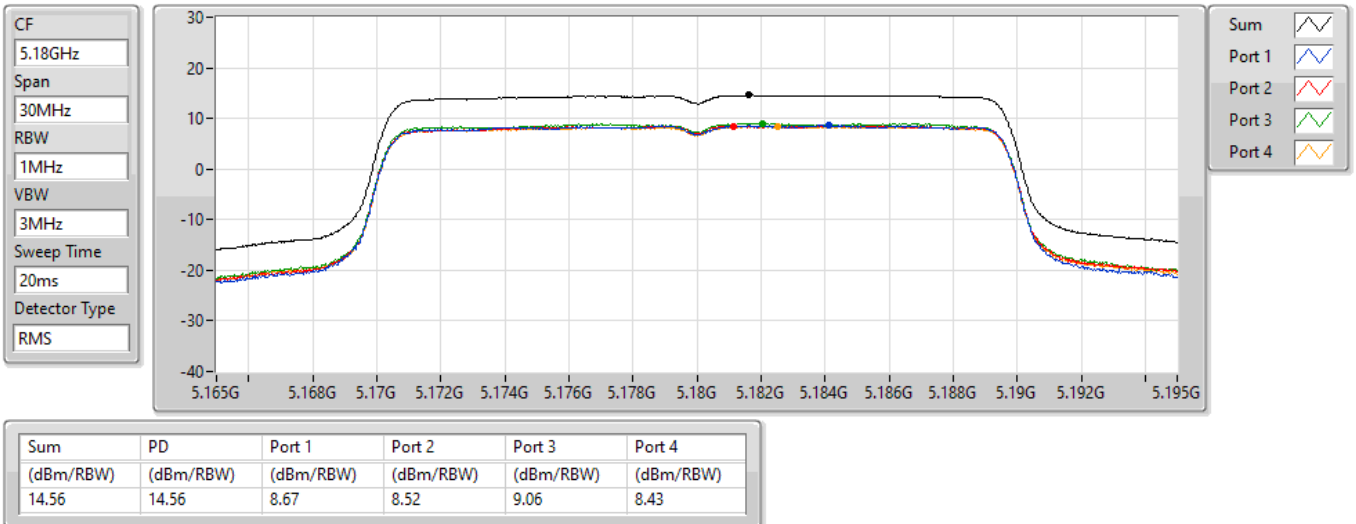
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

13/09/2021

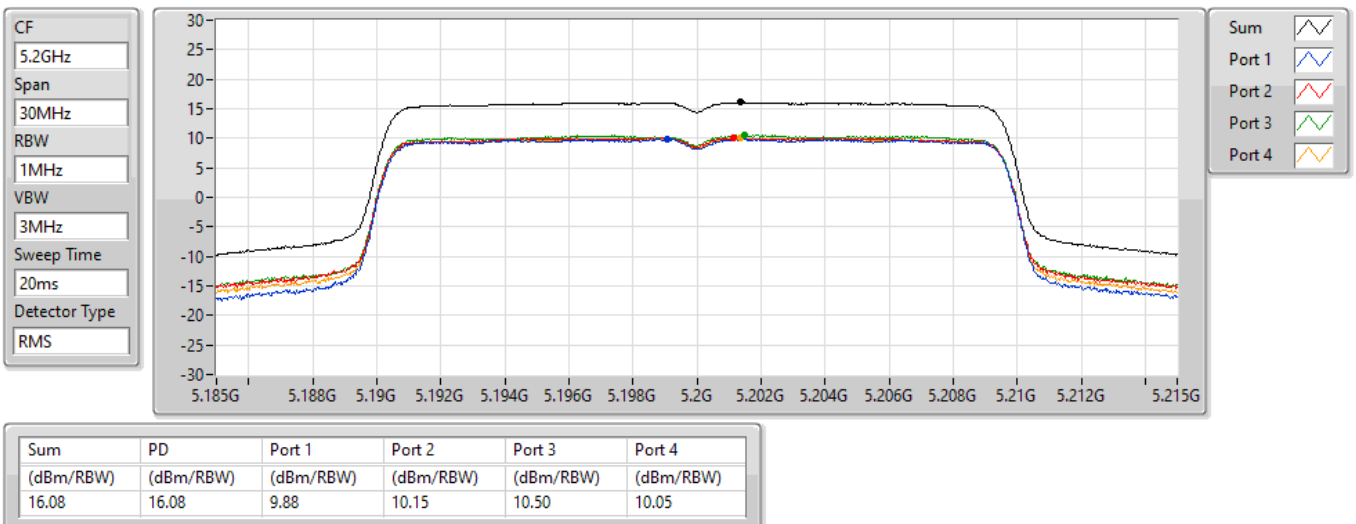


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

13/09/2021

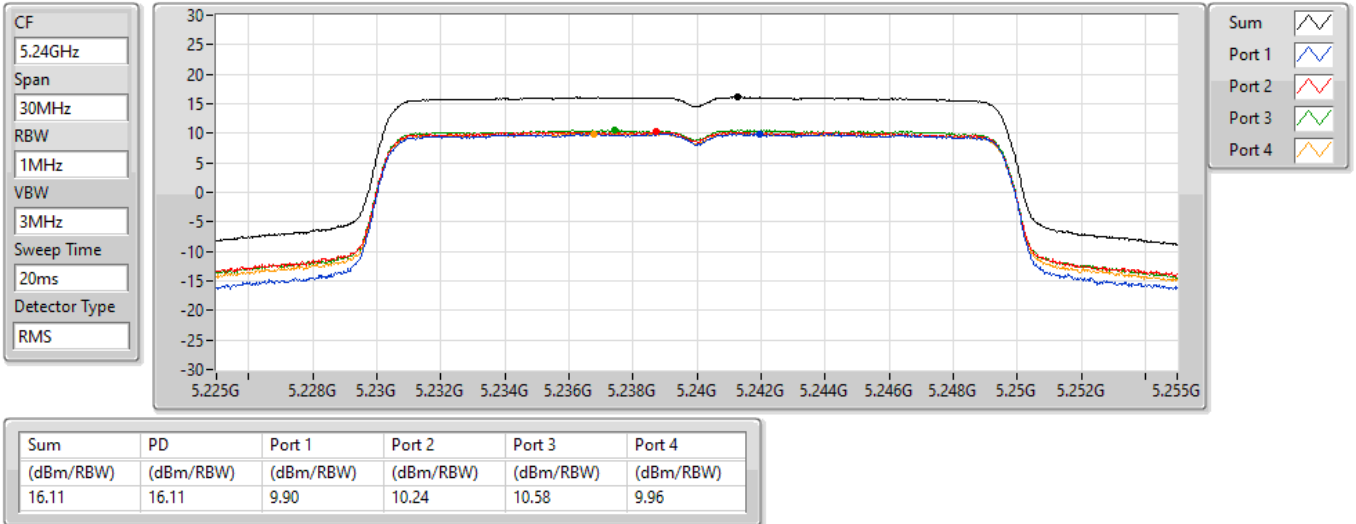


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

13/09/2021

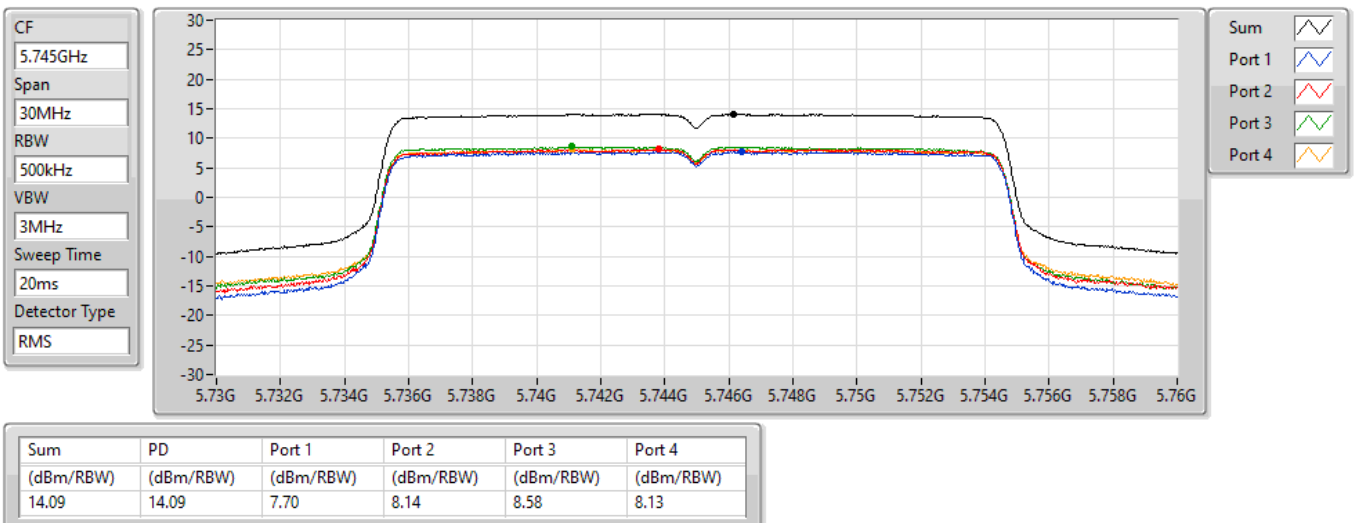


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

13/09/2021

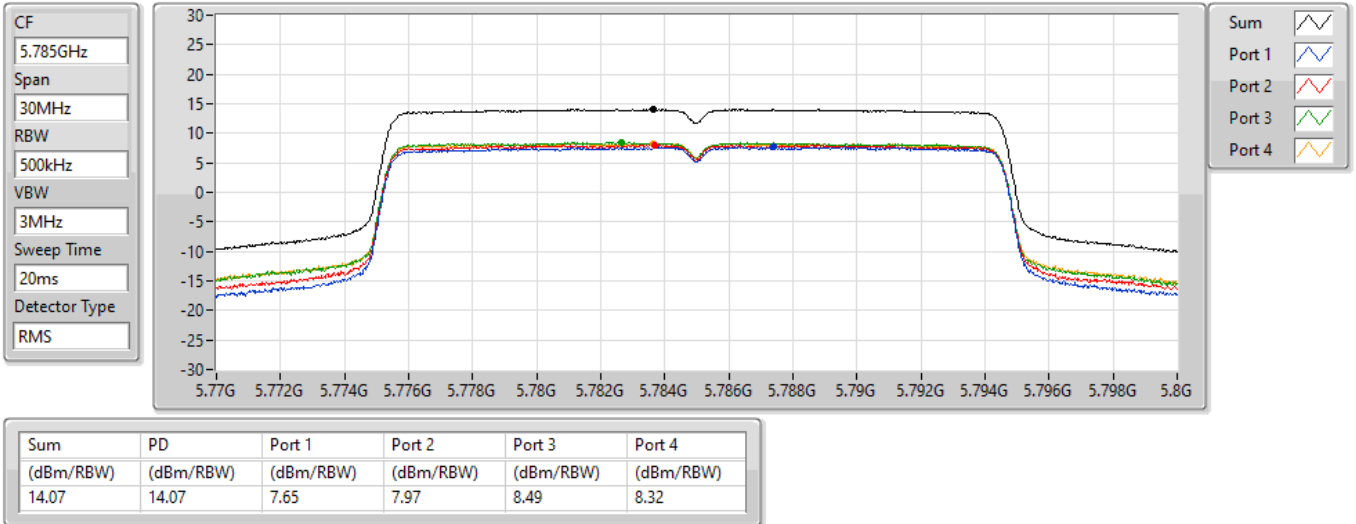


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

13/09/2021

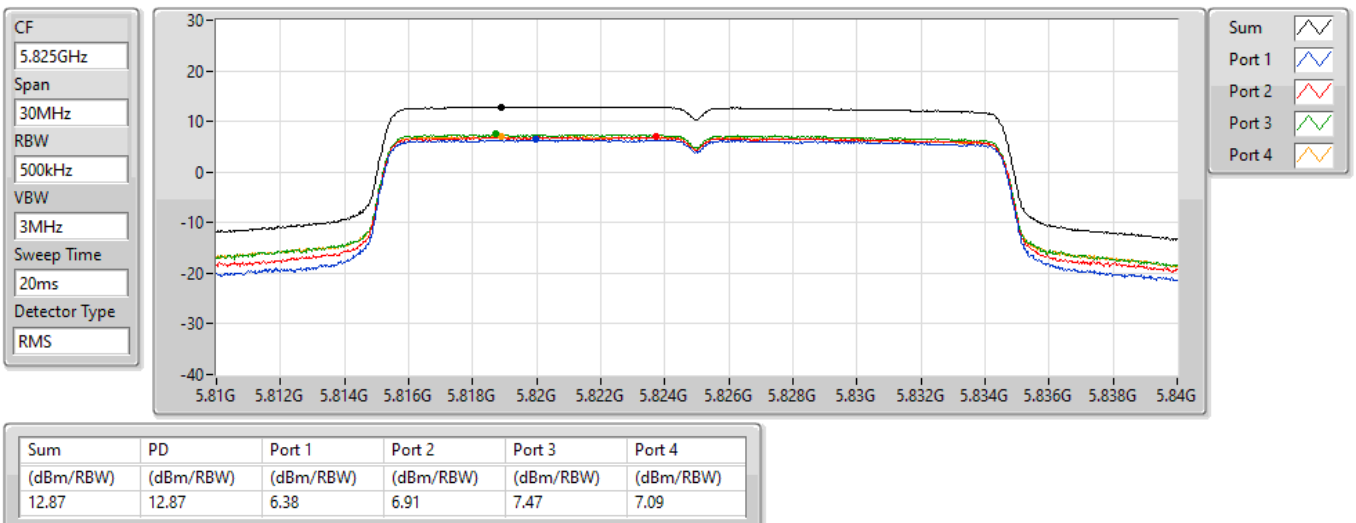


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

13/09/2021

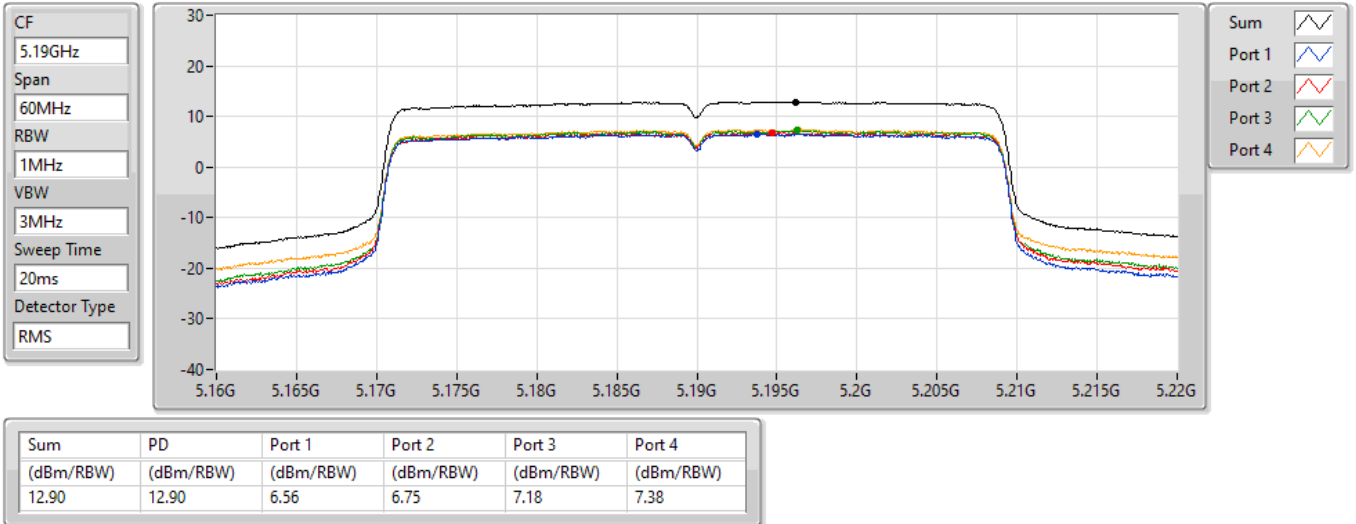


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

13/09/2021

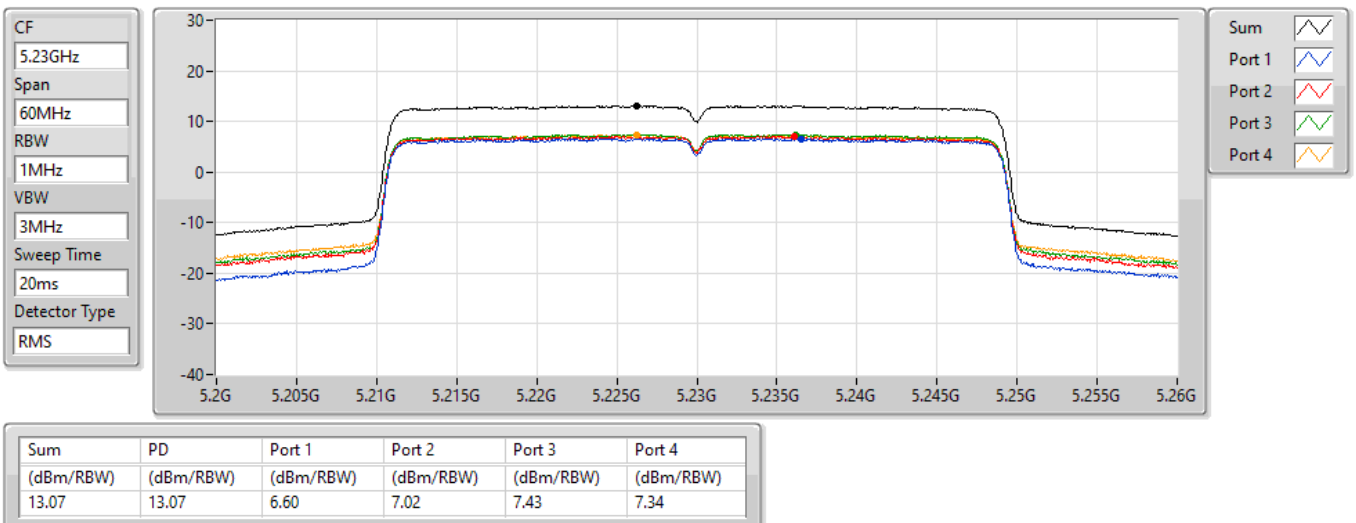


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

13/09/2021

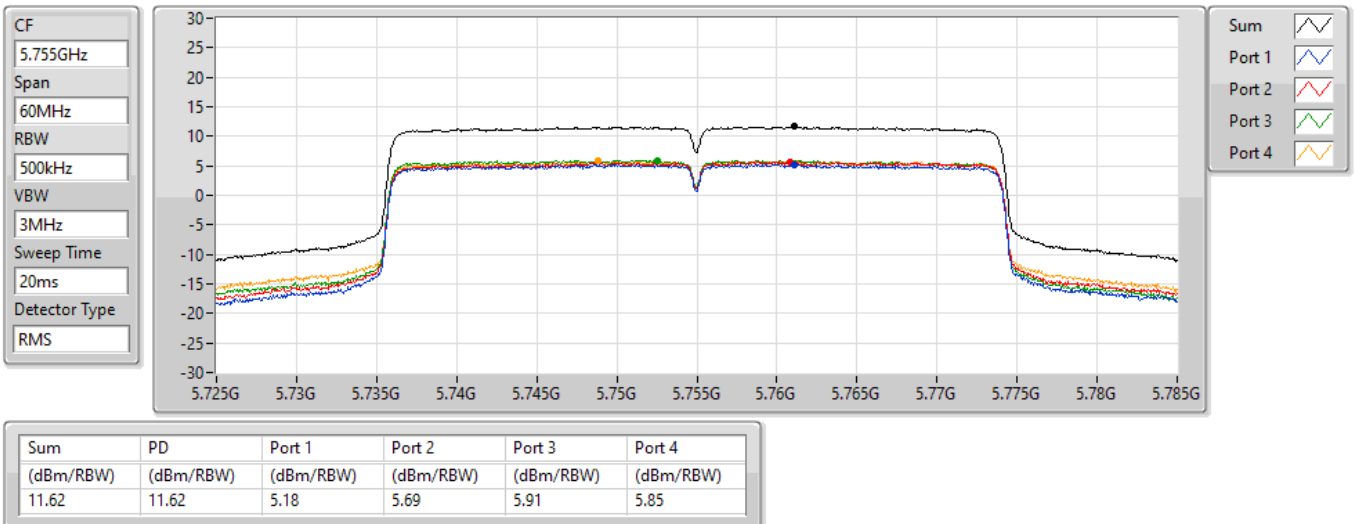


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

13/09/2021

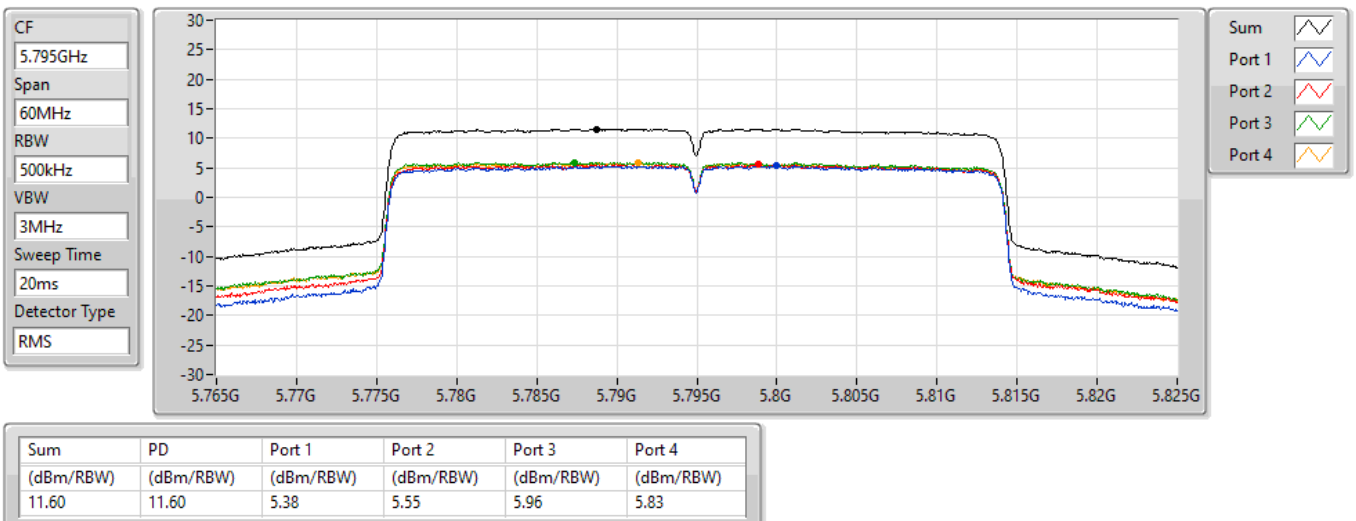


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

13/09/2021

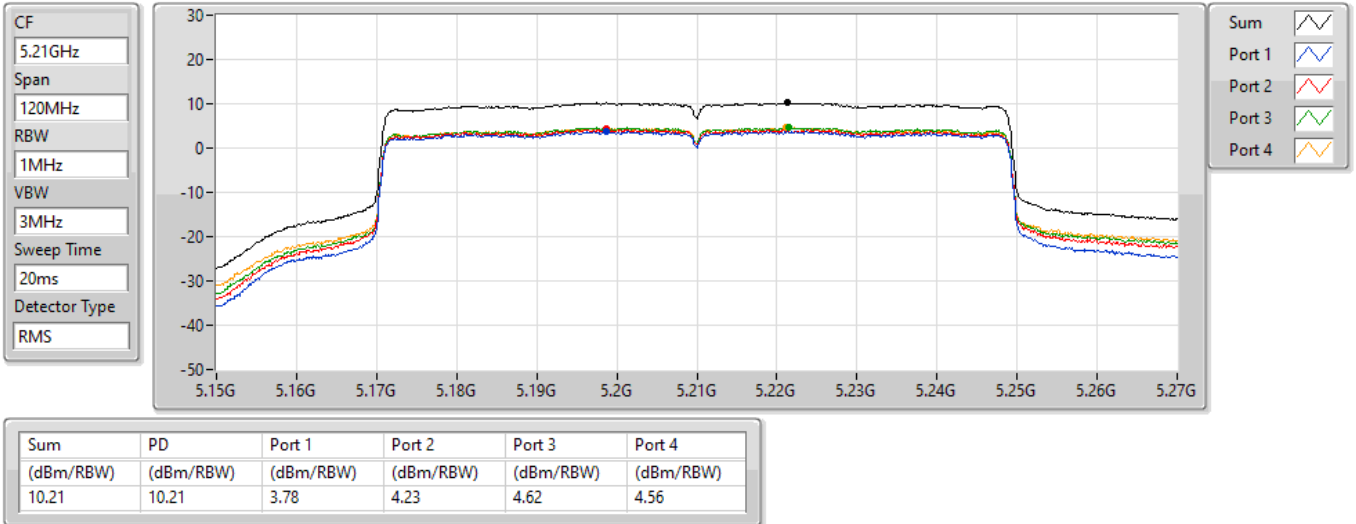


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

13/09/2021

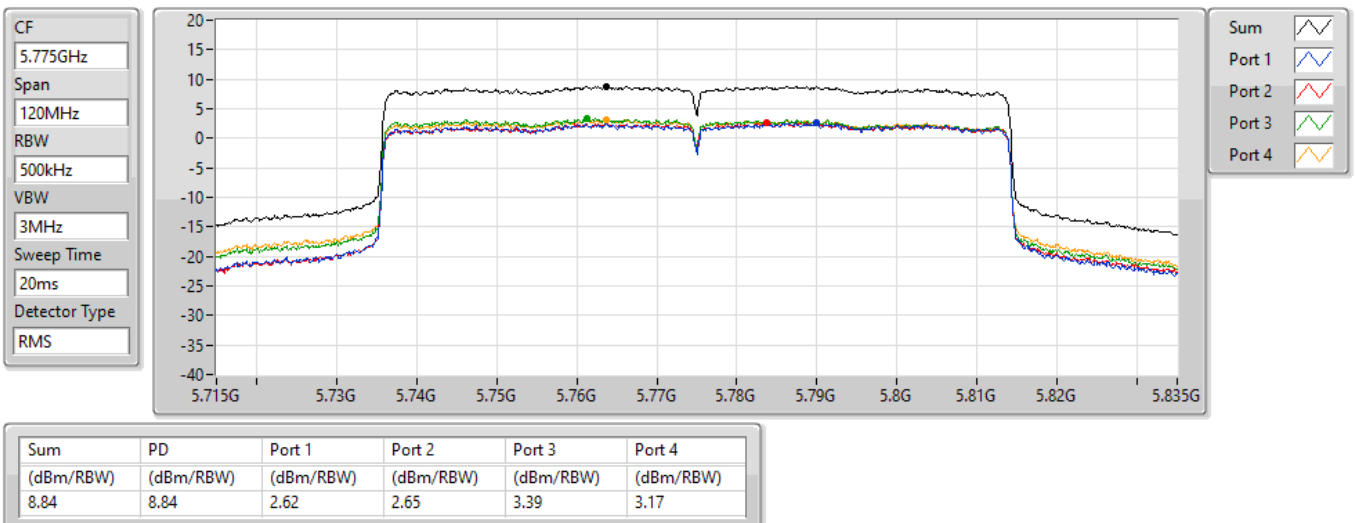


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

13/09/2021





Radiated Emissions below 1GHz

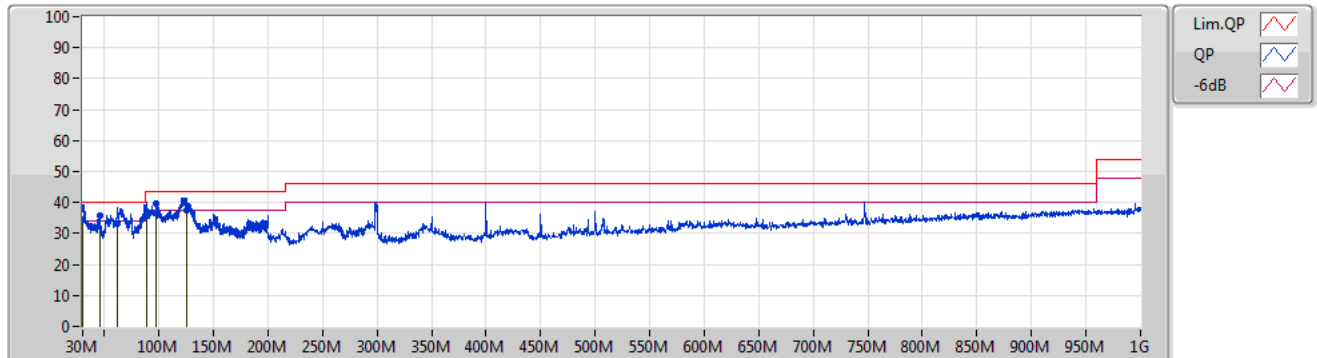
Appendix E.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	46.07M	35.95	40.00	-4.05	Vertical

16/09/2021

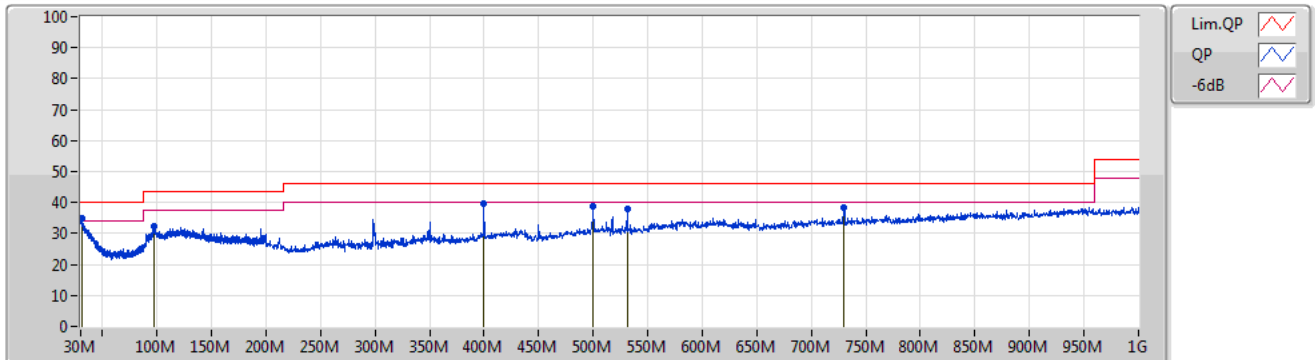
Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
QP	30M	34.30	40.00	-5.70	-3.09	3	Vertical	43	1.00	-	37.39	23.79	1.00	27.88
PK	46.07M	35.95	40.00	-4.05	-11.20	3	Vertical	247	1.00	"Worst"	47.15	15.31	1.42	27.93
QP	62.05M	33.30	40.00	-6.70	-13.64	3	Vertical	97	2.00	-	46.94	12.44	1.74	27.82
QP	88.23M	36.08	43.50	-7.42	-11.14	3	Vertical	58	4.00	-	47.22	14.51	2.20	27.85
PK	97.49M	39.45	43.50	-4.05	-9.10	3	Vertical	54	2.00	-	48.55	16.37	2.35	27.82
QP	125.03M	37.55	43.50	-5.95	-6.71	3	Vertical	193	1.00	-	44.26	18.12	2.78	27.61

16/09/2021

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	31.45M	34.85	40.00	-5.15	-3.65	3	Horizontal	213	1.00	"Worst"	38.50	23.18	1.06	27.89
PK	97.07M	32.31	43.50	-11.19	-9.19	3	Horizontal	359	1.00	-	41.50	16.29	2.34	27.82
PK	400M	39.78	46.00	-6.22	-6.81	3	Horizontal	294	4.00	-	46.59	16.23	4.30	27.34
PK	500M	38.63	46.00	-7.37	-5.58	3	Horizontal	297	2.00	-	44.21	17.52	4.80	27.90
PK	531.6M	38.12	46.00	-7.88	-5.04	3	Horizontal	359	2.00	-	43.16	17.88	4.99	27.91
PK	729.6M	38.40	46.00	-7.60	-1.00	3	Horizontal	9	2.00	-	39.40	20.70	5.92	27.62

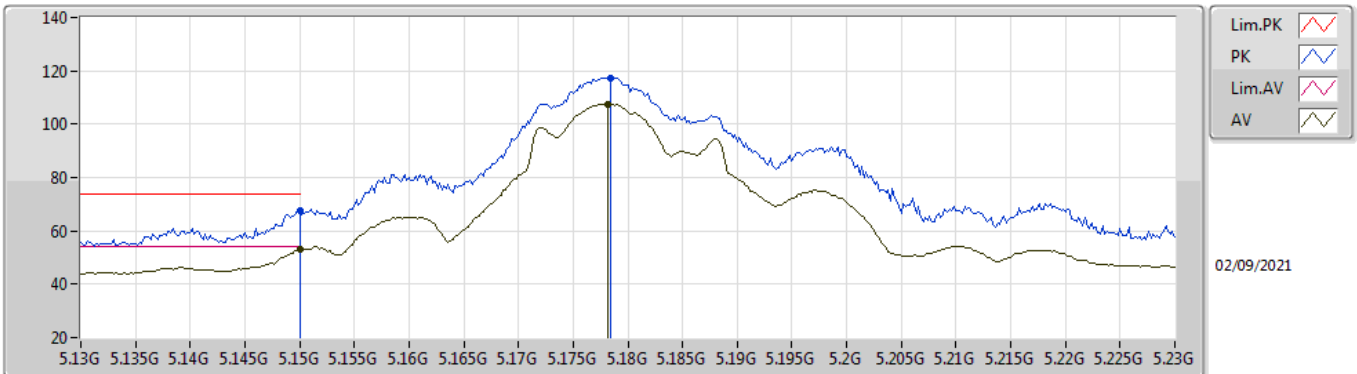


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1.(MCS0)_4TX	Pass	AV	5.148G	53.97	54.00	-0.03	3	Horizontal	1	2.74	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

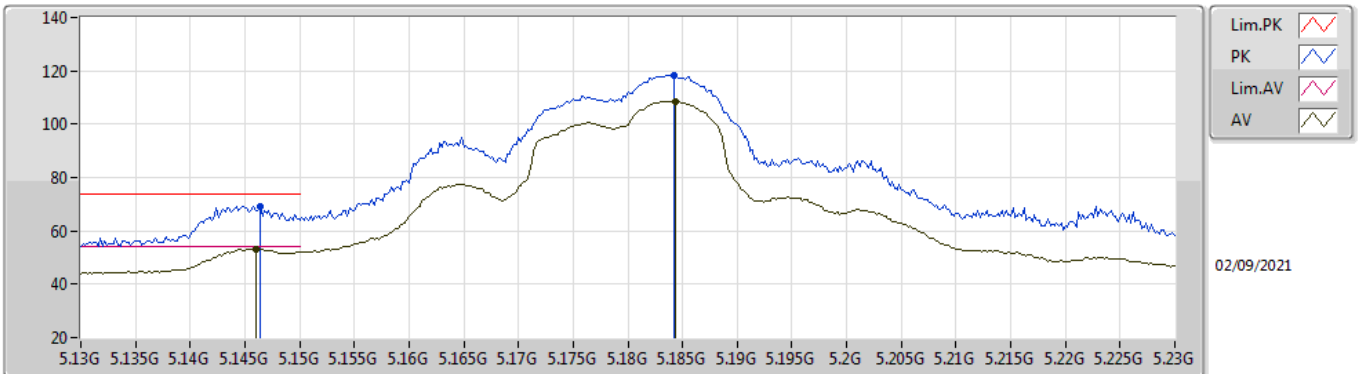


EUT Y_4TX
Setting 100
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.15G	67.77	74.00	-6.23	61.42	3	Vertical	187	1.43	-	33.50	5.00	32.15	
AV	5.15G	53.11	54.00	-0.89	46.76	3	Vertical	187	1.43	-	33.50	5.00	32.15	
PK	5.1784G	117.34	Inf	-Inf	110.93	3	Vertical	187	1.43	-	33.50	5.06	32.15	
AV	5.1782G	107.65	Inf	-Inf	101.24	3	Vertical	187	1.43	-	33.50	5.06	32.15	

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

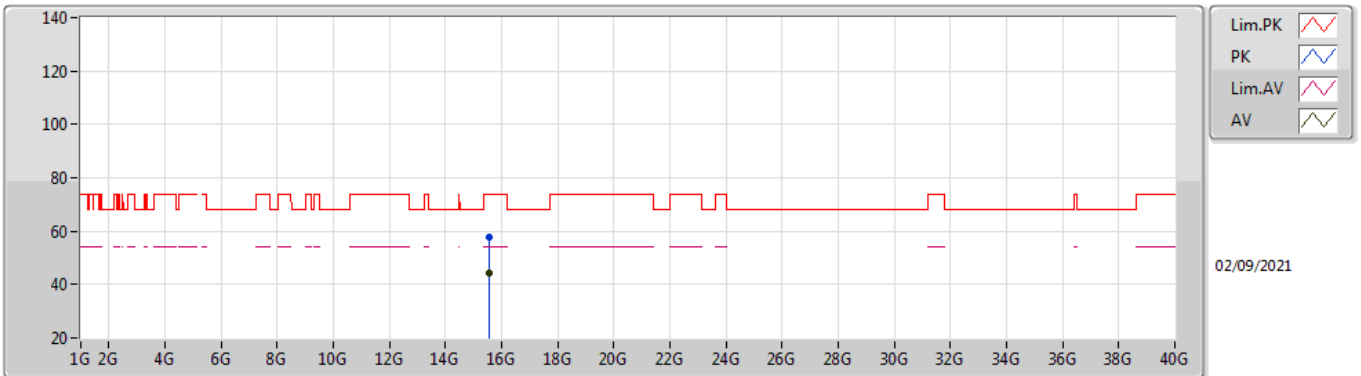


EUT_V_4TX
Setting 100
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1464G	69.34	74.00	-4.66	63.00	3	Horizontal	291	1.91	-	33.50	4.99	32.15
AV	5.146G	53.31	54.00	-0.69	46.97	3	Horizontal	291	1.91	-	33.50	4.99	32.15
PK	5.1842G	118.51	Inf	-Inf	112.09	3	Horizontal	291	1.91	-	33.50	5.07	32.15
AV	5.1844G	108.64	Inf	-Inf	102.22	3	Horizontal	291	1.91	-	33.50	5.07	32.15

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

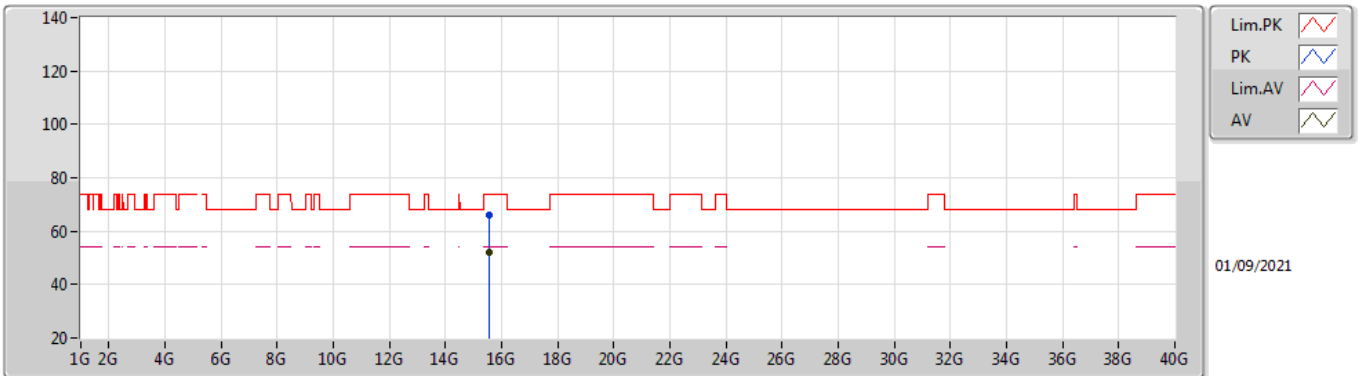


EUT Y_4TX
Setting 100
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.5419G	57.62	74.00	-16.38	44.01	3	Vertical	205	1.80	-	37.77	9.04	33.20
AV	15.5406G	44.06	54.00	-9.94	30.44	3	Vertical	205	1.80	-	37.78	9.04	33.20

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

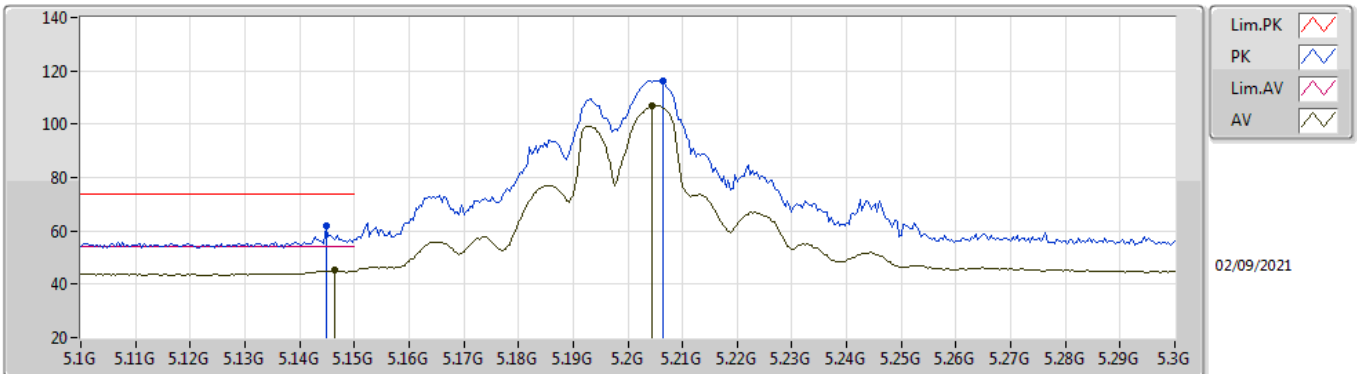


EUT Y_4TX
Setting 100
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.5339G	66.10	74.00	-7.90	52.45	3	Horizontal	39	1.68	-	37.80	9.04	33.19
AV	15.5343G	51.91	54.00	-2.09	38.26	3	Horizontal	39	1.68	-	37.80	9.04	33.19

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

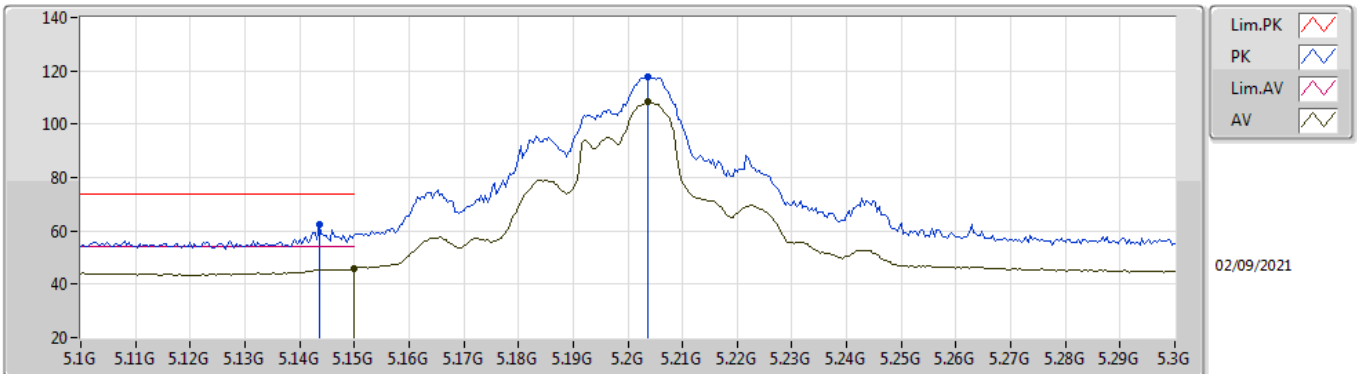


EUT_Y_4TX
Setting 100
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1448G	61.77	74.00	-12.23	55.43	3	Vertical	168	1.65	-	33.50	4.99	32.15
AV	5.1464G	45.45	54.00	-8.55	39.11	3	Vertical	168	1.65	-	33.50	4.99	32.15
PK	5.2064G	116.39	Inf	-Inf	109.93	3	Vertical	168	1.65	-	33.51	5.10	32.15
AV	5.2044G	107.09	Inf	-Inf	100.63	3	Vertical	168	1.65	-	33.51	5.10	32.15

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

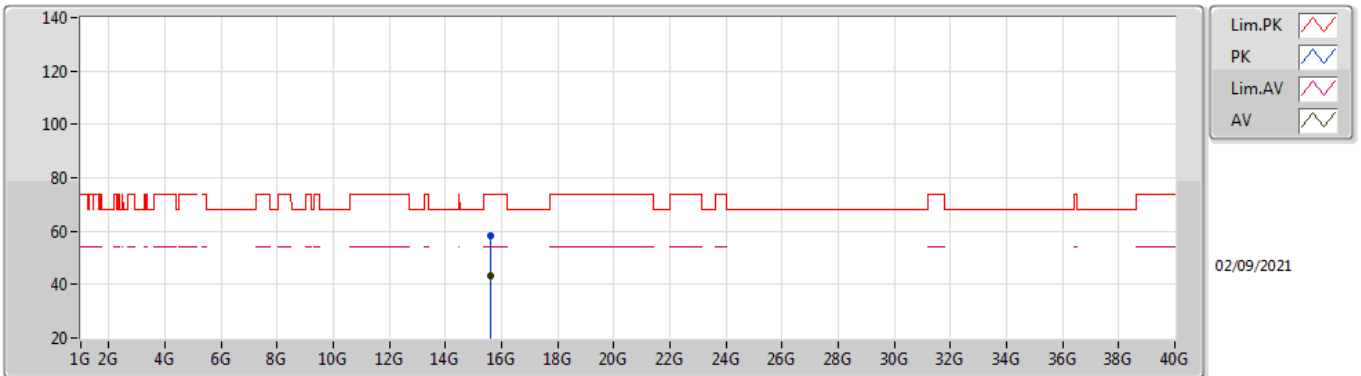


EUT_Y_4TX
Setting 100
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1436G	62.32	74.00	-11.68	55.98	3	Horizontal	291	1.53	-	33.50	4.99	32.15	
AV	5.15G	45.63	54.00	-8.37	39.28	3	Horizontal	291	1.53	-	33.50	5.00	32.15	
PK	5.2036G	117.70	Inf	-Inf	111.24	3	Horizontal	291	1.53	-	33.51	5.10	32.15	
AV	5.2036G	108.34	Inf	-Inf	101.88	3	Horizontal	291	1.53	-	33.51	5.10	32.15	

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

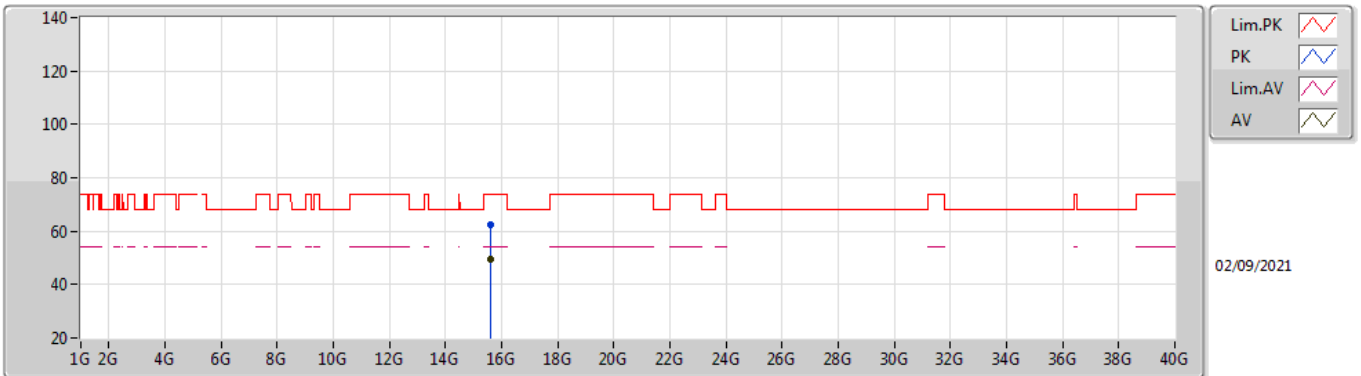


EUT Y_4TX
Setting 100
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.6004G	58.42	74.00	-15.58	45.03	3	Vertical	203	1.62	-	37.60	9.06	33.27	
AV	15.5999G	43.41	54.00	-10.59	30.02	3	Vertical	203	1.62	-	37.60	9.06	33.27	

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

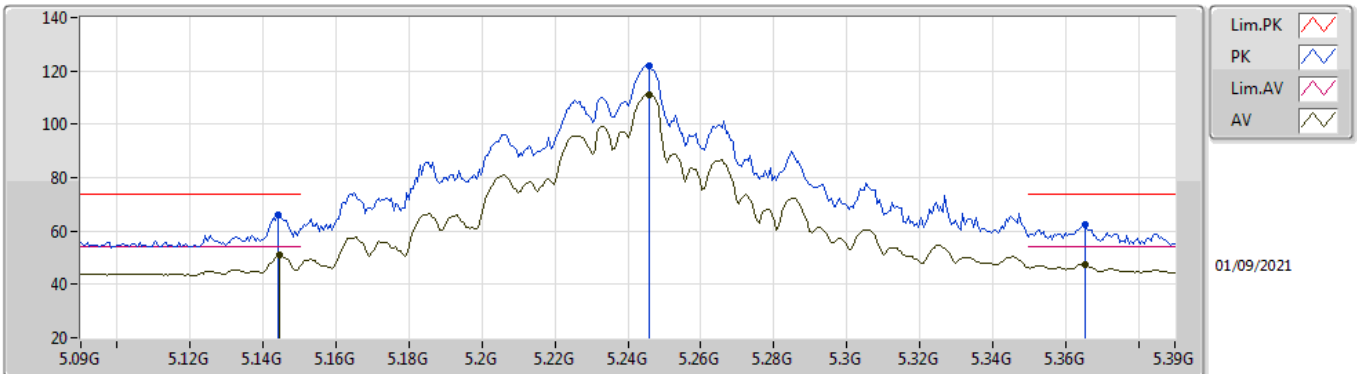


EUT Y_4TX
Setting 100
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.5969G	62.54	74.00	-11.46	49.13	3	Horizontal	37	1.72	-	37.61	9.06	33.26	
AV	15.5948G	49.30	54.00	-4.70	35.88	3	Horizontal	37	1.72	-	37.62	9.06	33.26	

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

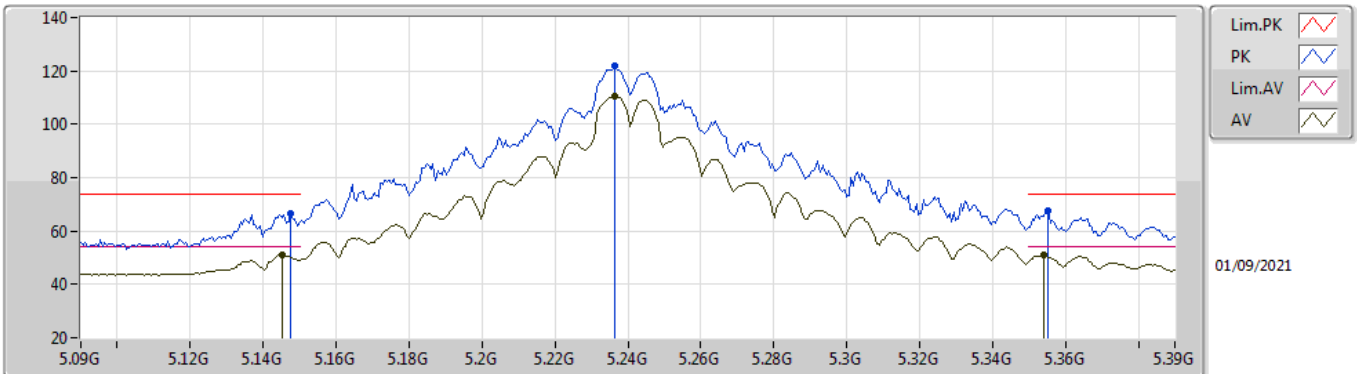


EUT V_4TX
Setting 105
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.144G	66.00	74.00	-8.00	59.66	3	Vertical	166	1.90	-	33.50	4.99	32.15
AV	5.1446G	50.83	54.00	-3.17	44.49	3	Vertical	166	1.90	-	33.50	4.99	32.15
PK	5.246G	122.13	Inf	-Inf	115.61	3	Vertical	166	1.90	-	33.59	5.08	32.15
AV	5.246G	111.03	Inf	-Inf	104.51	3	Vertical	166	1.90	-	33.59	5.08	32.15
PK	5.3654G	62.35	74.00	-11.65	55.74	3	Vertical	166	1.90	-	33.73	5.02	32.14
AV	5.3654G	47.58	54.00	-6.42	40.97	3	Vertical	166	1.90	-	33.73	5.02	32.14

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

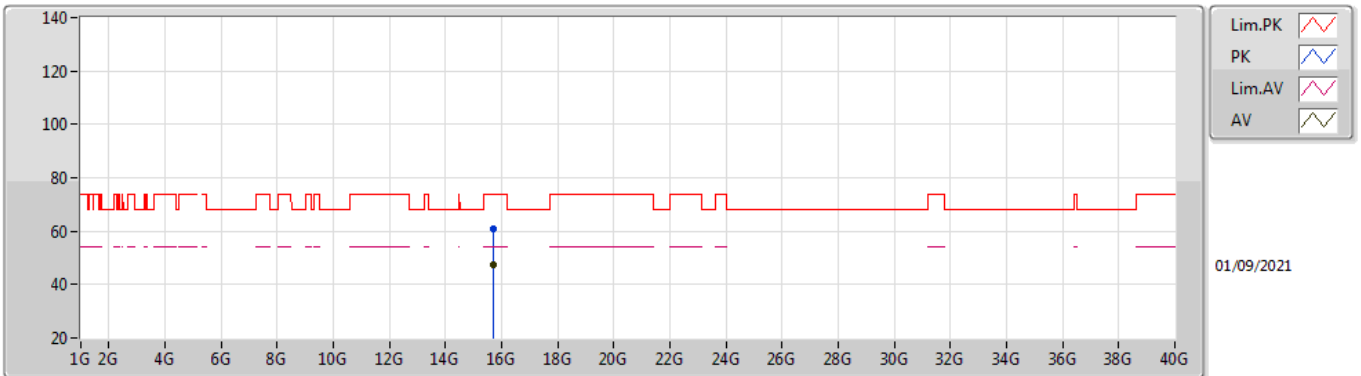


EUT V_4TX
Setting 105
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1476G	66.35	74.00	-7.65	60.00	3	Horizontal	231	1.72	-	33.50	5.00	32.15
AV	5.1452G	51.11	54.00	-2.89	44.77	3	Horizontal	231	1.72	-	33.50	4.99	32.15
PK	5.2364G	121.78	Inf	-Inf	115.28	3	Horizontal	231	1.72	-	33.57	5.08	32.15
AV	5.2364G	110.52	Inf	-Inf	104.02	3	Horizontal	231	1.72	-	33.57	5.08	32.15
PK	5.3552G	67.59	74.00	-6.41	61.00	3	Horizontal	231	1.72	-	33.71	5.02	32.14
AV	5.354G	50.81	54.00	-3.19	44.22	3	Horizontal	231	1.72	-	33.71	5.02	32.14

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

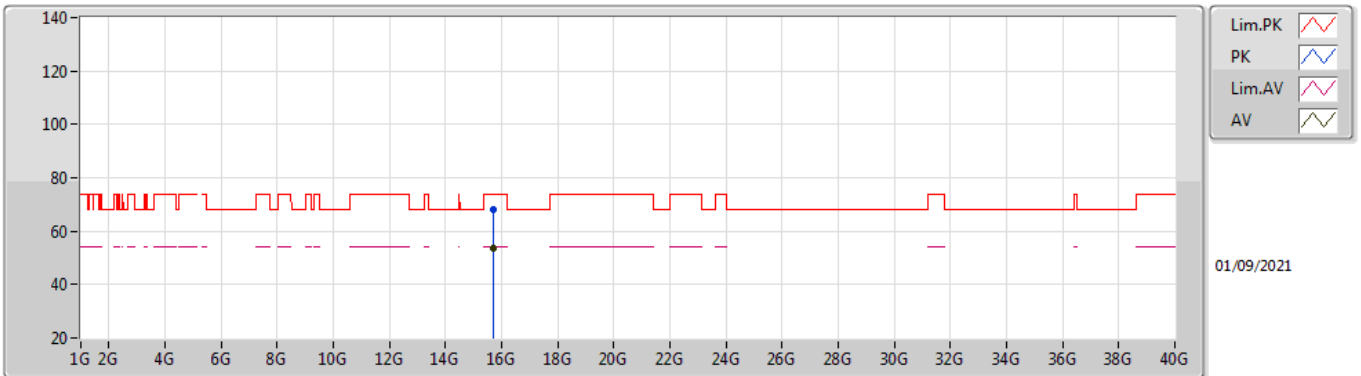


EUT Y_4TX
Setting 105
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.7143G	60.61	74.00	-13.39	47.51	3	Vertical	354	1.91	-	37.40	9.10	33.40
AV	15.7204G	47.54	54.00	-6.46	34.45	3	Vertical	354	1.91	-	37.40	9.10	33.41

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

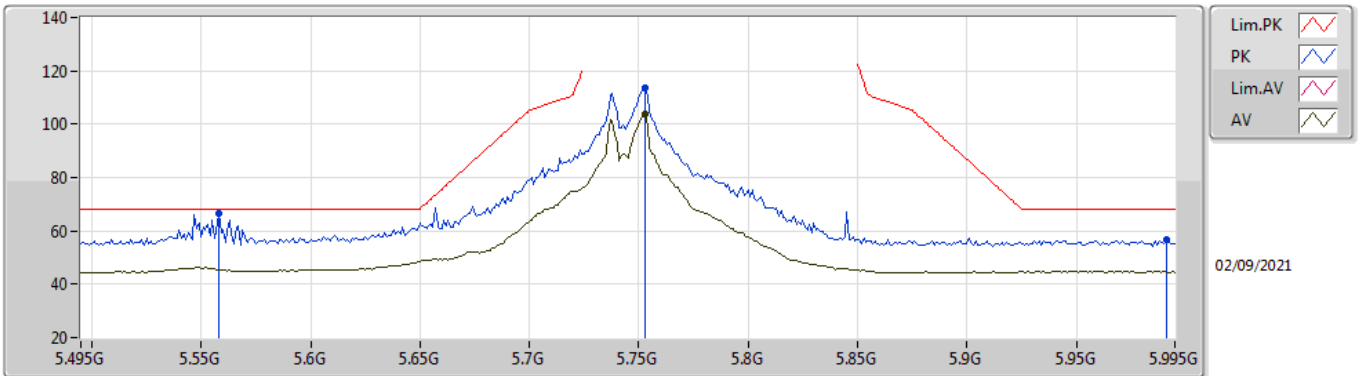


EUT Y_4TX
Setting 105
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.7136G	68.20	74.00	-5.80	55.10	3	Horizontal	44	2.45	-	37.40	9.10	33.40
AV	15.7146G	53.84	54.00	-0.16	40.74	3	Horizontal	44	2.45	-	37.40	9.10	33.40

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

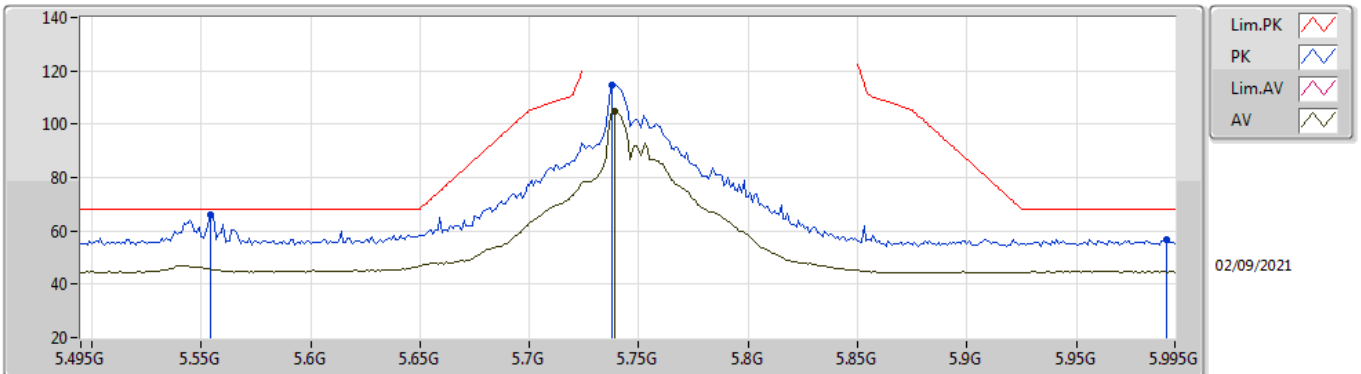


EUT Y_4TX
Setting 103
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.558G	66.58	68.20	-1.62	59.65	3	Vertical	256	1.80	-	33.90	5.16	32.13
PK	5.753G	113.65	Inf	-Inf	106.96	3	Vertical	256	1.80	-	33.79	5.05	32.15
AV	5.753G	103.99	Inf	-Inf	97.30	3	Vertical	256	1.80	-	33.79	5.05	32.15
PK	5.991G	56.66	68.20	-11.54	49.15	3	Vertical	256	1.80	-	34.10	5.57	32.16

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

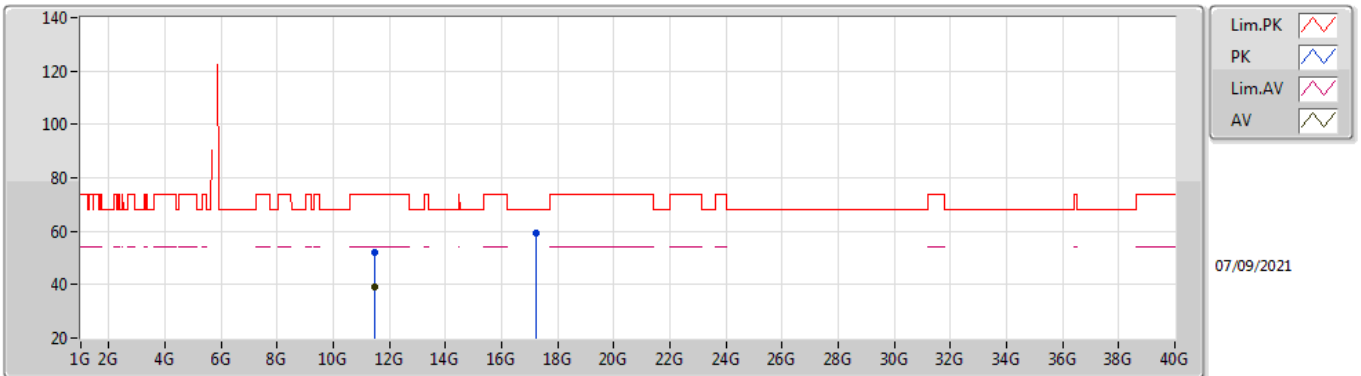


EUT Y_4TX
Setting 103
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.554G	66.08	68.20	-2.12	59.16	3	Horizontal	192	1.75	-	33.90	5.15	32.13	
PK	5.738G	114.79	Inf	-Inf	108.09	3	Horizontal	192	1.75	-	33.78	5.06	32.14	
AV	5.739G	104.74	Inf	-Inf	98.04	3	Horizontal	192	1.75	-	33.78	5.06	32.14	
PK	5.991G	56.81	68.20	-11.39	49.30	3	Horizontal	192	1.75	-	34.10	5.57	32.16	

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

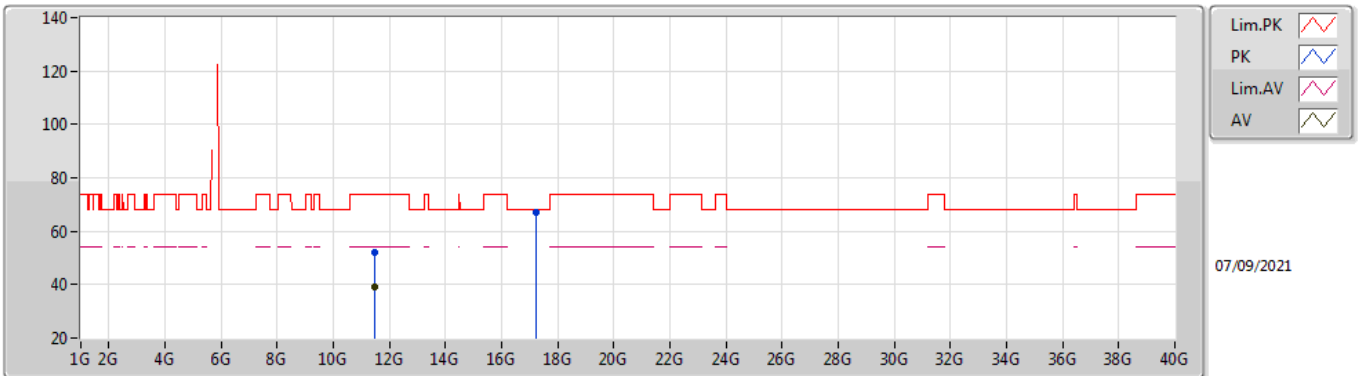


EUT Y_4TX
Setting 103
02-B-S-8

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	11.48798G	52.04	74.00	-21.96	38.66	3	Vertical	84	2.89	-	38.98	7.62	33.22
AV	11.49066G	39.03	54.00	-14.97	25.65	3	Vertical	84	2.89	-	38.98	7.62	33.22
PK	17.23684G	59.52	68.20	-8.68	41.36	3	Vertical	279	1.72	-	42.11	9.32	33.27

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

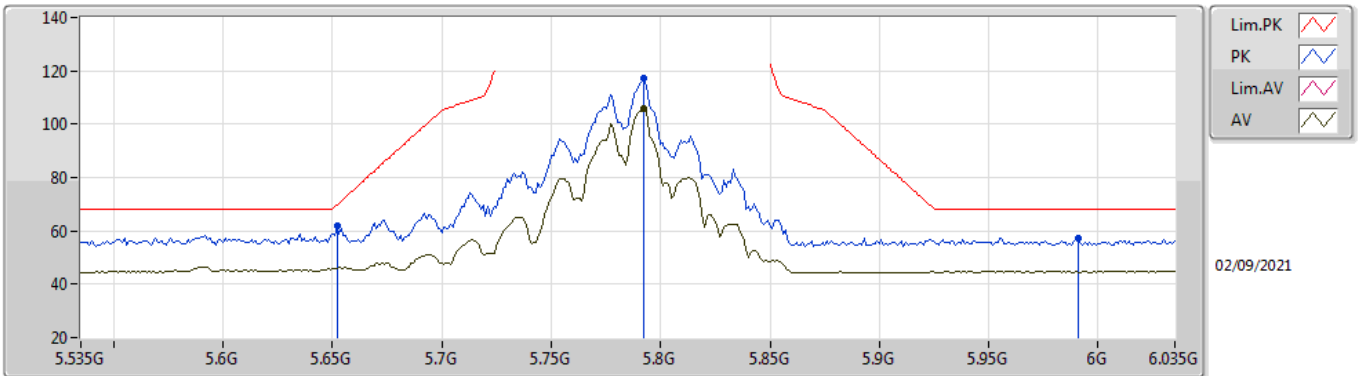


EUT Y_4TX
Setting 103
02-B-S-8

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	11.49016G	52.26	74.00	-21.74	38.88	3	Horizontal	286	2.10	-	38.98	7.62	33.22	
AV	11.48564G	39.16	54.00	-14.84	25.79	3	Horizontal	286	2.10	-	38.97	7.62	33.22	
PK	17.23824G	67.27	68.20	-0.93	49.11	3	Horizontal	14	1.85	-	42.11	9.32	33.27	

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

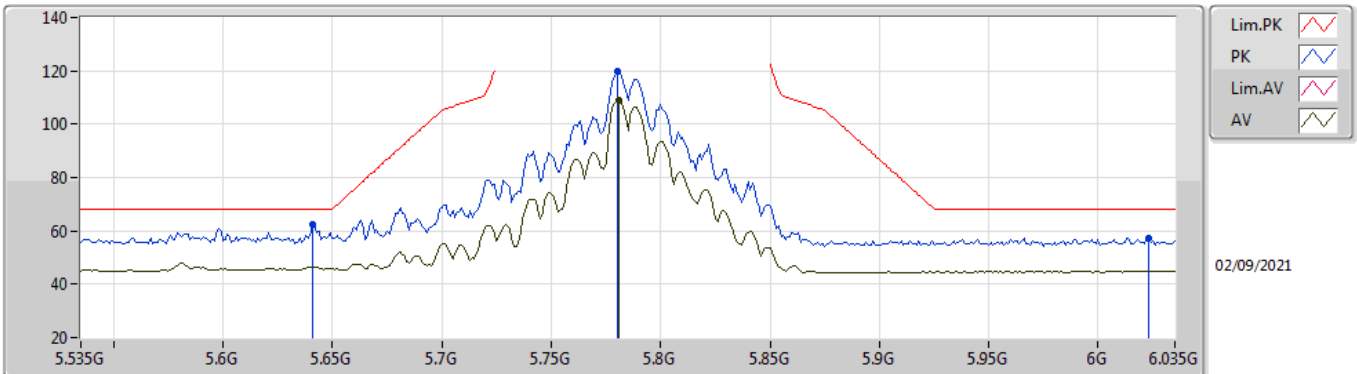


EUT Y_4TX
Setting 104
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.652G	61.73	69.68	-7.95	54.92	3	Vertical	254	1.80	-	33.80	5.15	32.14	
PK	5.792G	117.03	Inf	-Inf	110.45	3	Vertical	254	1.80	-	33.72	5.01	32.15	
AV	5.792G	105.88	Inf	-Inf	99.30	3	Vertical	254	1.80	-	33.72	5.01	32.15	
PK	5.991G	57.22	68.20	-10.98	49.71	3	Vertical	254	1.80	-	34.10	5.57	32.16	

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

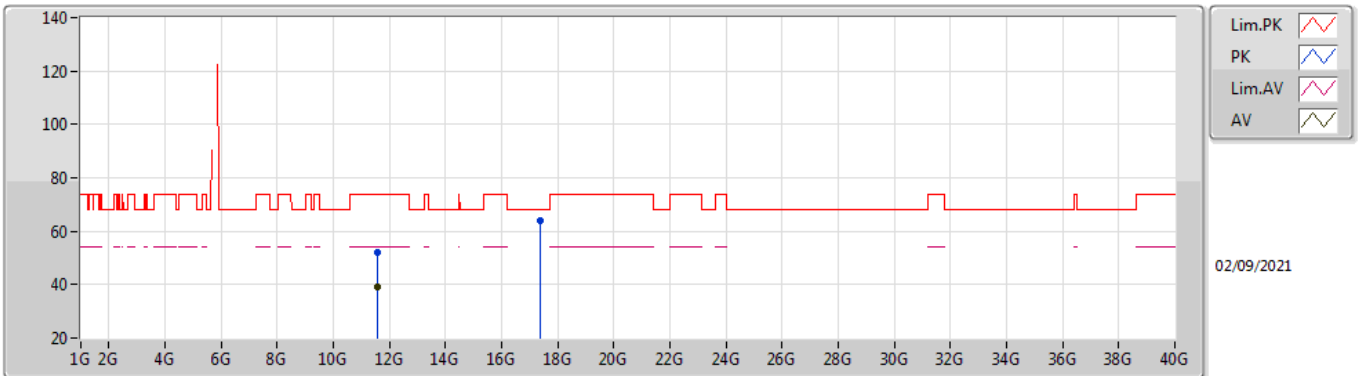


EUT Y_4TX
Setting 104
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.641G	62.47	68.20	-5.73	55.63	3	Horizontal	180	2.06	-	33.82	5.16	32.14
PK	5.78G	119.57	Inf	-Inf	112.96	3	Horizontal	180	2.06	-	33.74	5.02	32.15
AV	5.781G	108.88	Inf	-Inf	102.27	3	Horizontal	180	2.06	-	33.74	5.02	32.15
PK	6.023G	57.31	68.20	-10.89	49.71	3	Horizontal	180	2.06	-	34.19	5.57	32.16

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

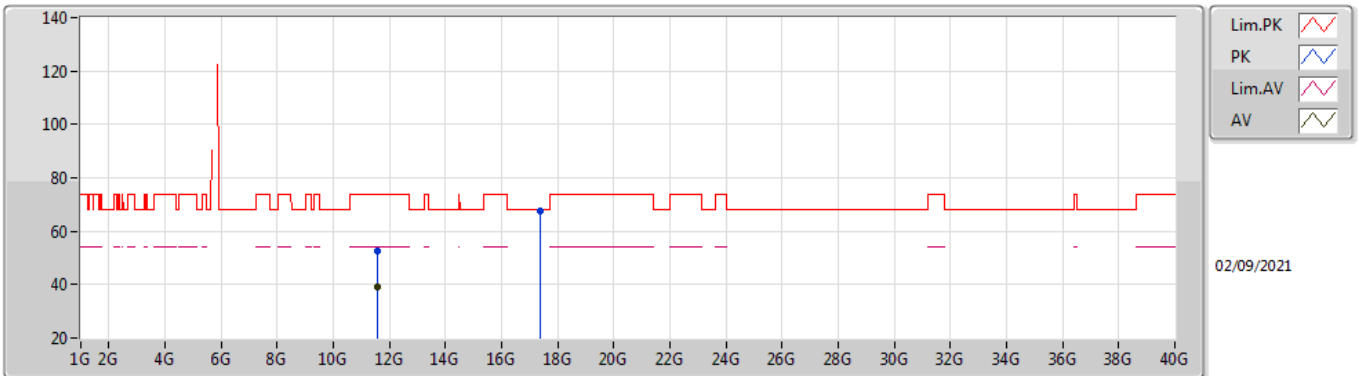


EUT Y_4TX
Setting 104
02-B-S-8

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	11.5668G	52.05	74.00	-21.95	38.44	3	Vertical	64	1.40	-	39.20	7.65	33.24
AV	11.57244G	39.20	54.00	-14.80	25.57	3	Vertical	64	1.40	-	39.22	7.65	33.24
PK	17.35392G	64.15	68.20	-4.05	45.22	3	Vertical	89	2.30	-	42.73	9.34	33.14

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

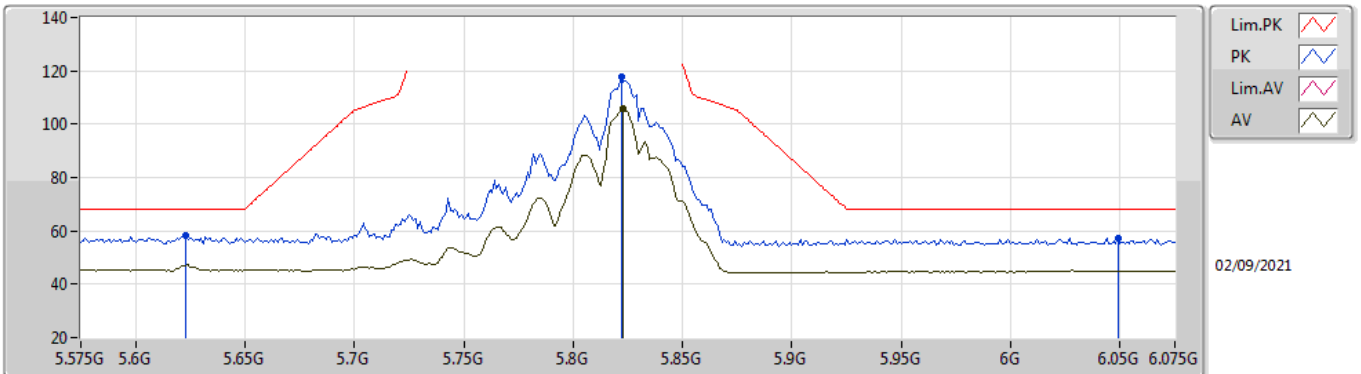


EUT Y_4TX
Setting 104
02-B-S-8

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	11.5737G	52.56	74.00	-21.44	38.93	3	Horizontal	51	2.91	-	39.22	7.65	33.24	
AV	11.56582G	39.24	54.00	-14.76	25.63	3	Horizontal	51	2.91	-	39.20	7.65	33.24	
PK	17.3592G	67.73	68.20	-0.47	48.75	3	Horizontal	6	1.85	-	42.77	9.34	33.13	

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

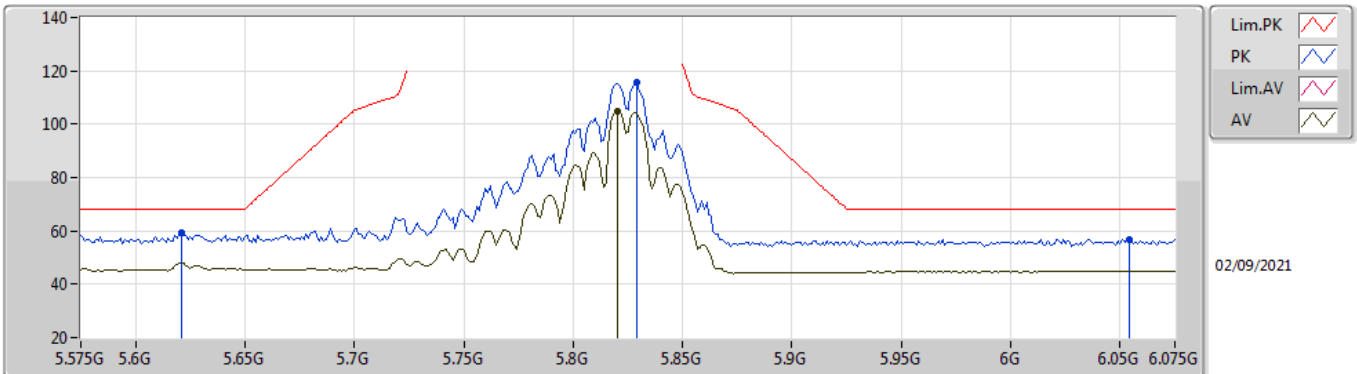


EUT_Y_4TX
Setting 104
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.623G	58.04	68.20	-10.16	51.15	3	Vertical	338	2.64	-	33.85	5.18	32.14	
PK	5.822G	117.57	Inf	-Inf	110.91	3	Vertical	338	2.64	-	33.74	5.07	32.15	
AV	5.823G	105.74	Inf	-Inf	99.07	3	Vertical	338	2.64	-	33.75	5.07	32.15	
PK	6.049G	57.09	68.20	-11.11	49.42	3	Vertical	338	2.64	-	34.30	5.53	32.16	

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

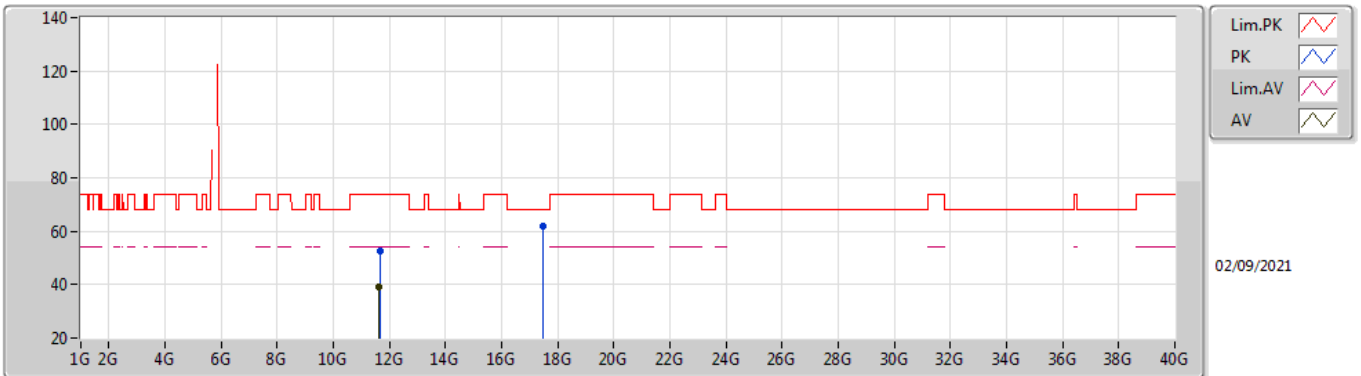


EUT_V_4TX
Setting 104
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.621G	59.17	68.20	-9.03	52.27	3	Horizontal	177	2.05	-	33.86	5.18	32.14
PK	5.829G	115.55	Inf	-Inf	108.85	3	Horizontal	177	2.05	-	33.76	5.09	32.15
AV	5.82G	105.00	Inf	-Inf	98.35	3	Horizontal	177	2.05	-	33.74	5.06	32.15
PK	6.054G	56.87	68.20	-11.33	49.20	3	Horizontal	177	2.05	-	34.31	5.52	32.16

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

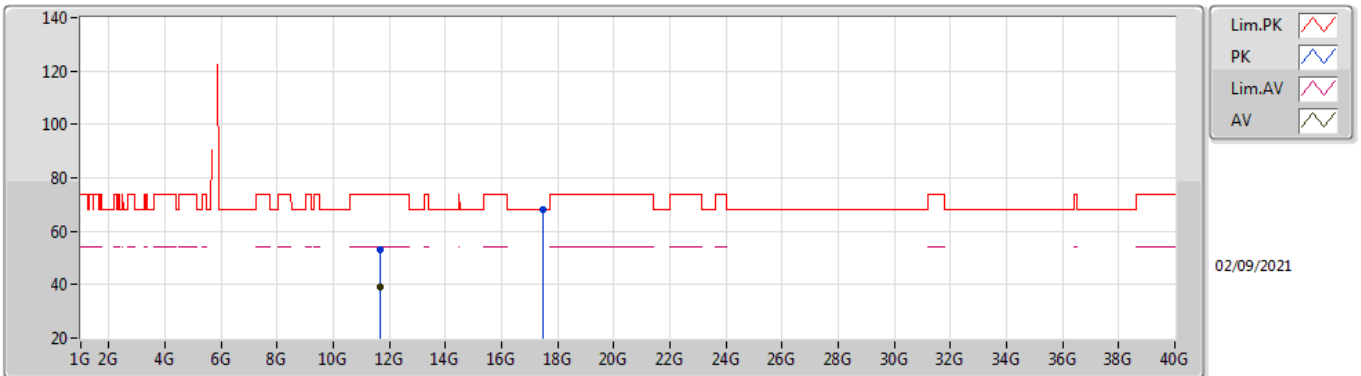


EUT Y_4TX
Setting 104
02-B-S-8

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	11.65038G	52.80	74.00	-21.20	39.03	3	Vertical	277	2.78	-	39.35	7.68	33.26	
AV	11.64552G	39.19	54.00	-14.81	25.42	3	Vertical	277	2.78	-	39.35	7.68	33.26	
PK	17.4752G	61.77	68.20	-6.43	41.79	3	Vertical	286	1.80	-	43.63	9.35	33.00	

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

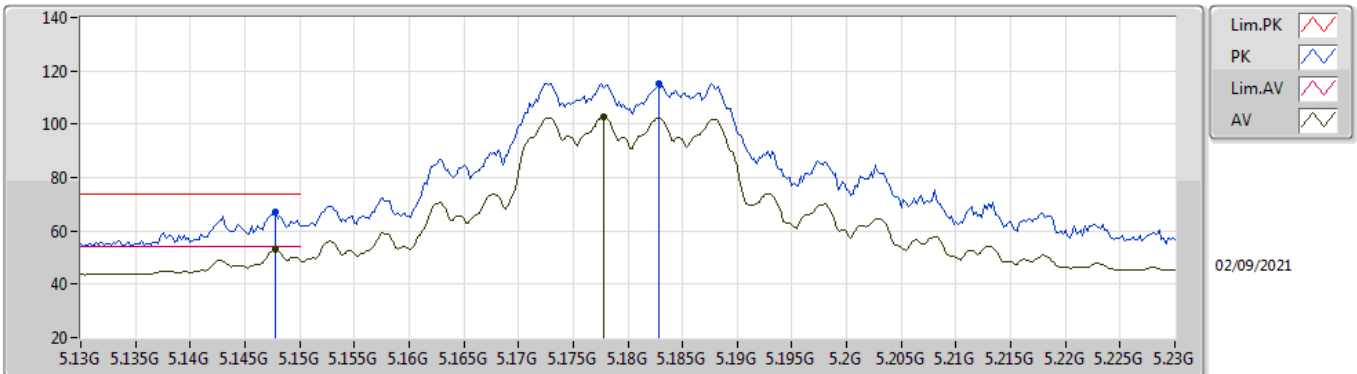


EUT Y_4TX
Setting 104
02-B-S-8

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	11.65188G	52.87	74.00	-21.13	39.10	3	Horizontal	293	1.14	-	39.35	7.68	33.26
AV	11.65108G	39.15	54.00	-14.85	25.38	3	Horizontal	293	1.14	-	39.35	7.68	33.26
PK	17.4782G	67.90	68.20	-0.30	47.89	3	Horizontal	6	1.80	-	43.65	9.35	32.99

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

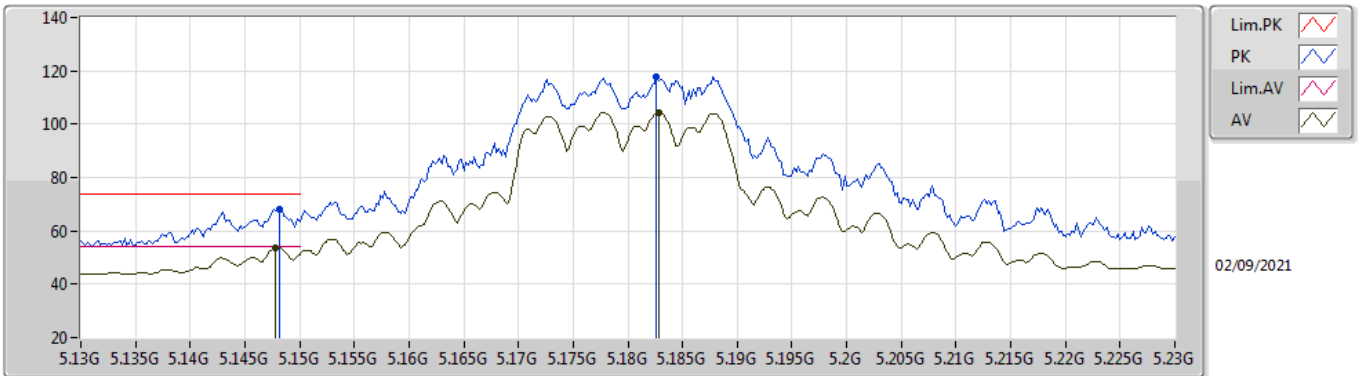


EUT Y_4TX
Setting 96
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1478G	66.96	74.00	-7.04	60.61	3	Vertical	206	1.85	-	33.50	5.00	32.15
AV	5.1478G	52.91	54.00	-1.09	46.56	3	Vertical	206	1.85	-	33.50	5.00	32.15
PK	5.1828G	115.19	Inf	-Inf	108.77	3	Vertical	206	1.85	-	33.50	5.07	32.15
AV	5.1778G	102.98	Inf	-Inf	96.57	3	Vertical	206	1.85	-	33.50	5.06	32.15

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

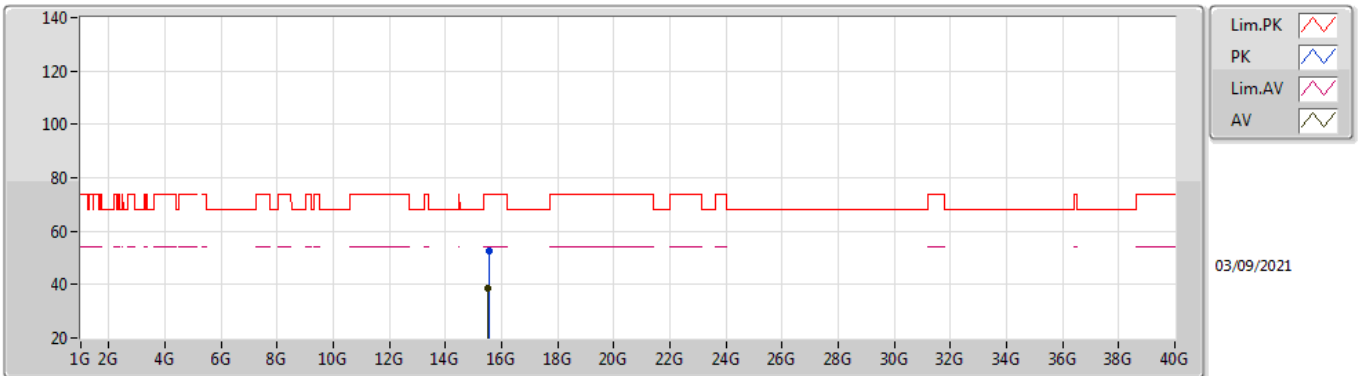


EUT Y_4TX
Setting 96
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1482G	68.27	74.00	-5.73	61.92	3	Horizontal	302	1.91	-	33.50	5.00	32.15
AV	5.1478G	53.86	54.00	-0.14	47.51	3	Horizontal	302	1.91	-	33.50	5.00	32.15
PK	5.1826G	117.88	Inf	-Inf	111.46	3	Horizontal	302	1.91	-	33.50	5.07	32.15
AV	5.1828G	104.51	Inf	-Inf	98.09	3	Horizontal	302	1.91	-	33.50	5.07	32.15

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

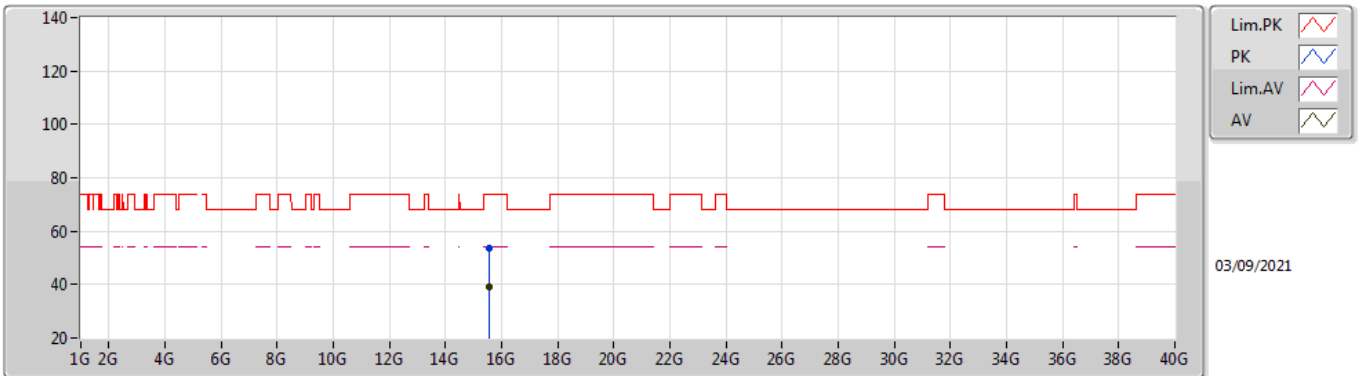


EUT Y_4TX
Setting 96
02-B-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.53752G	52.35	74.00	-21.65	38.71	3	Vertical	358	2.66	-	37.79	9.04	33.19
AV	15.53G	38.60	54.00	-15.40	24.94	3	Vertical	358	2.66	-	37.81	9.04	33.19

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

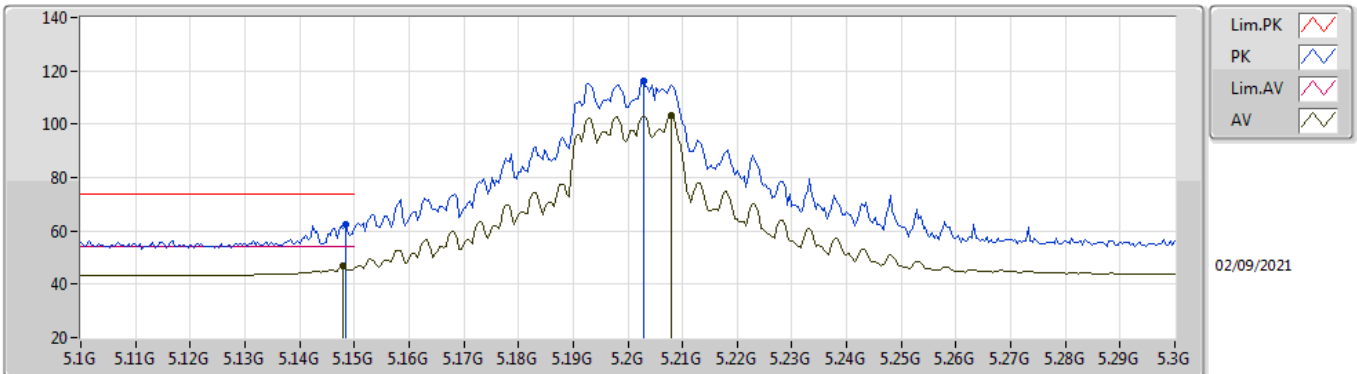


EUT Y_4TX
Setting 96
02-B-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.54496G	53.61	74.00	-20.39	40.00	3	Horizontal	285	1.90	-	37.77	9.04	33.20
AV	15.5452G	38.92	54.00	-15.08	25.32	3	Horizontal	285	1.90	-	37.76	9.04	33.20

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

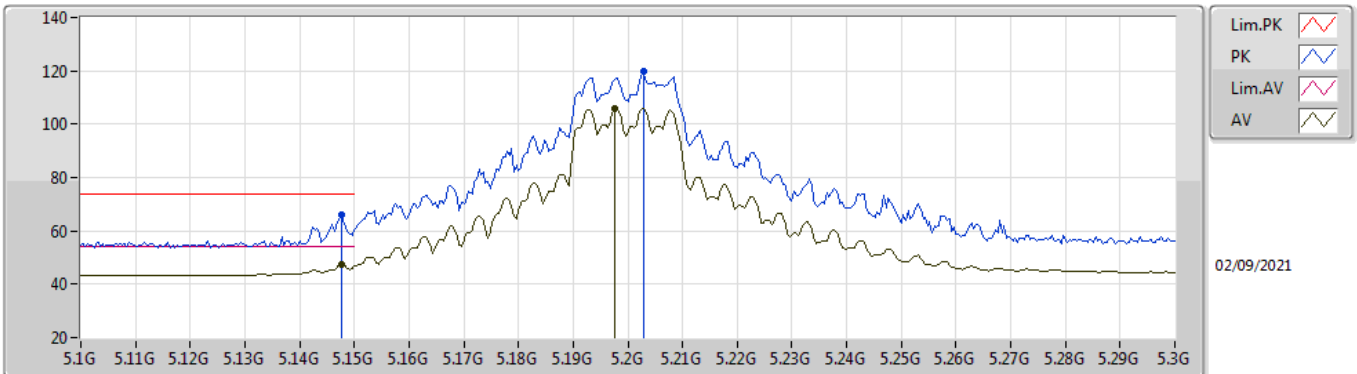


EUT Y_4TX
Setting 100
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1484G	62.26	74.00	-11.74	55.91	3	Vertical	307	1.35	-	33.50	5.00	32.15	
AV	5.148G	46.70	54.00	-7.30	40.35	3	Vertical	307	1.35	-	33.50	5.00	32.15	
PK	5.2028G	116.14	Inf	-Inf	109.68	3	Vertical	307	1.35	-	33.51	5.10	32.15	
AV	5.208G	103.52	Inf	-Inf	97.05	3	Vertical	307	1.35	-	33.52	5.10	32.15	

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

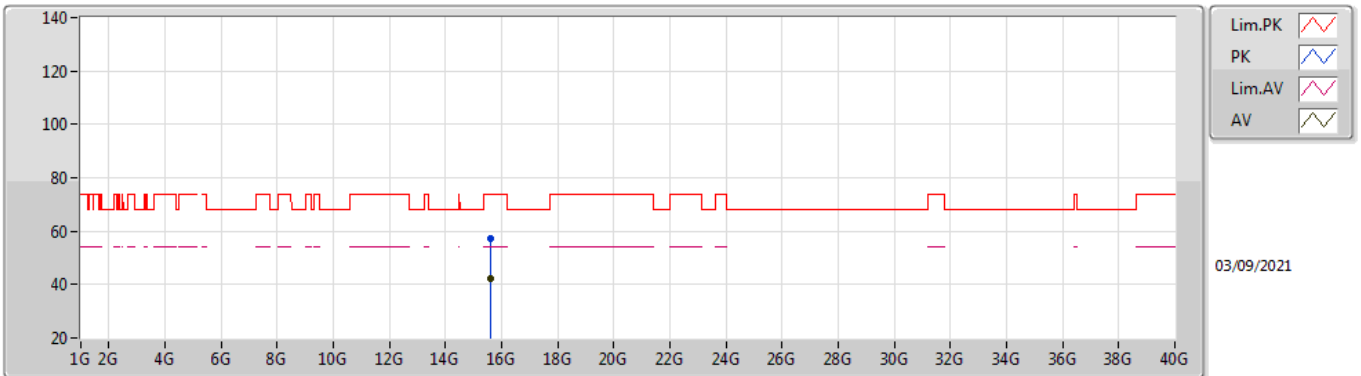


EUT Y_4TX
Setting 100
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1476G	66.08	74.00	-7.92	59.73	3	Horizontal	303	2.09	-	33.50	5.00	32.15	
AV	5.1476G	47.37	54.00	-6.63	41.02	3	Horizontal	303	2.09	-	33.50	5.00	32.15	
PK	5.2028G	119.92	Inf	-Inf	113.46	3	Horizontal	303	2.09	-	33.51	5.10	32.15	
AV	5.1976G	105.67	Inf	-Inf	99.22	3	Horizontal	303	2.09	-	33.50	5.10	32.15	

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

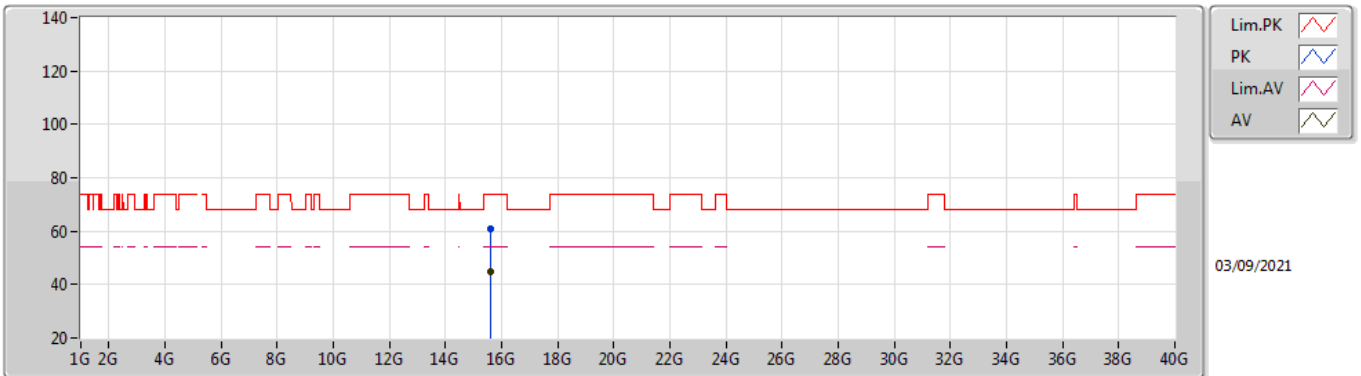


EUT Y_4TX
Setting 100
02-B-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.6008G	57.21	74.00	-16.79	43.82	3	Vertical	207	1.80	-	37.60	9.06	33.27
AV	15.6008G	42.09	54.00	-11.91	28.70	3	Vertical	207	1.80	-	37.60	9.06	33.27

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

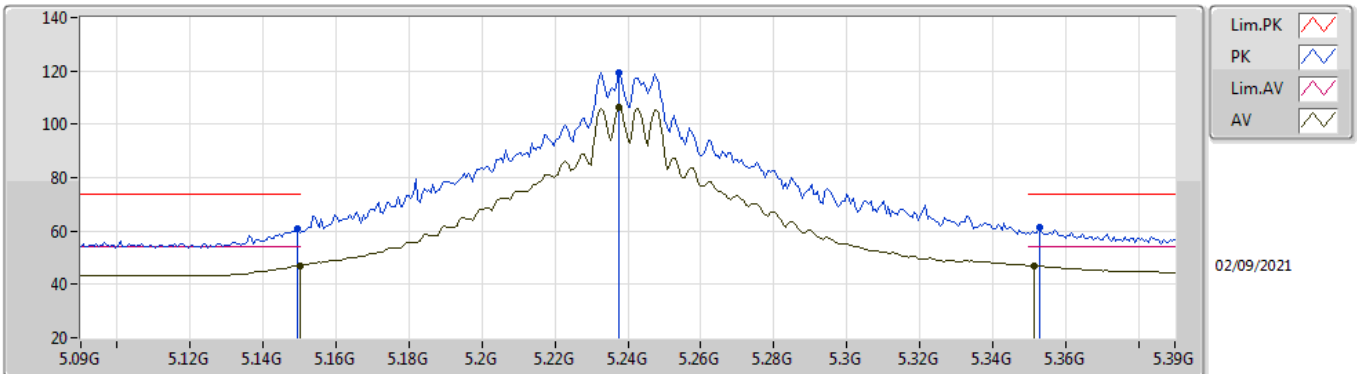


EUT Y_4TX
Setting 100
02-B-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.60488G	60.86	74.00	-13.14	47.48	3	Horizontal	48	1.74	-	37.59	9.06	33.27
AV	15.60499G	44.67	54.00	-9.33	31.29	3	Horizontal	48	1.74	-	37.59	9.06	33.27

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

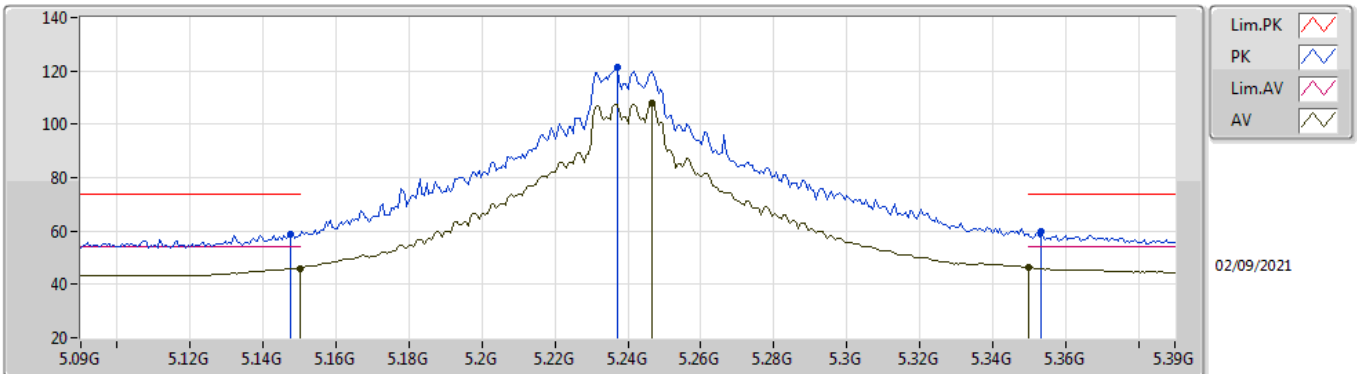


EUT V_4TX
Setting 105
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1494G	60.94	74.00	-13.06	54.59	3	Vertical	263	2.14	-	33.50	5.00	32.15
AV	5.15G	47.07	54.00	-6.93	40.72	3	Vertical	263	2.14	-	33.50	5.00	32.15
PK	5.2376G	119.19	Inf	-Inf	112.68	3	Vertical	263	2.14	-	33.58	5.08	32.15
AV	5.2376G	106.36	Inf	-Inf	99.85	3	Vertical	263	2.14	-	33.58	5.08	32.15
PK	5.3528G	61.22	74.00	-12.78	54.63	3	Vertical	263	2.14	-	33.71	5.02	32.14
AV	5.3516G	46.93	54.00	-7.07	40.35	3	Vertical	263	2.14	-	33.70	5.02	32.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

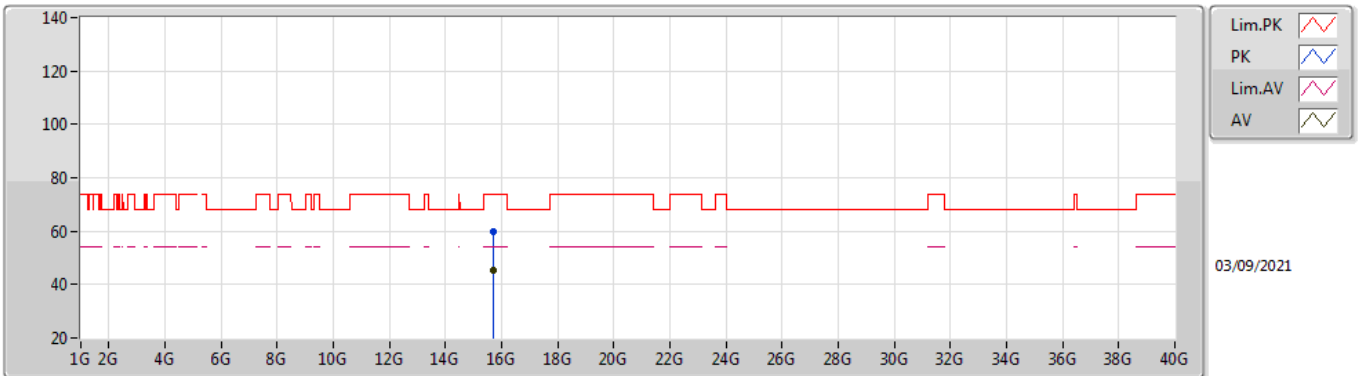


EUT V_4TX
Setting 105
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1476G	59.00	74.00	-15.00	52.65	3	Horizontal	234	1.88	-	33.50	5.00	32.15
AV	5.15G	46.05	54.00	-7.95	39.70	3	Horizontal	234	1.88	-	33.50	5.00	32.15
PK	5.237G	121.22	Inf	-Inf	114.72	3	Horizontal	234	1.88	-	33.57	5.08	32.15
AV	5.2466G	107.69	Inf	-Inf	101.17	3	Horizontal	234	1.88	-	33.59	5.08	32.15
PK	5.3534G	59.94	74.00	-14.06	53.35	3	Horizontal	234	1.88	-	33.71	5.02	32.14
AV	5.35G	46.22	54.00	-7.78	39.64	3	Horizontal	234	1.88	-	33.70	5.02	32.14

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

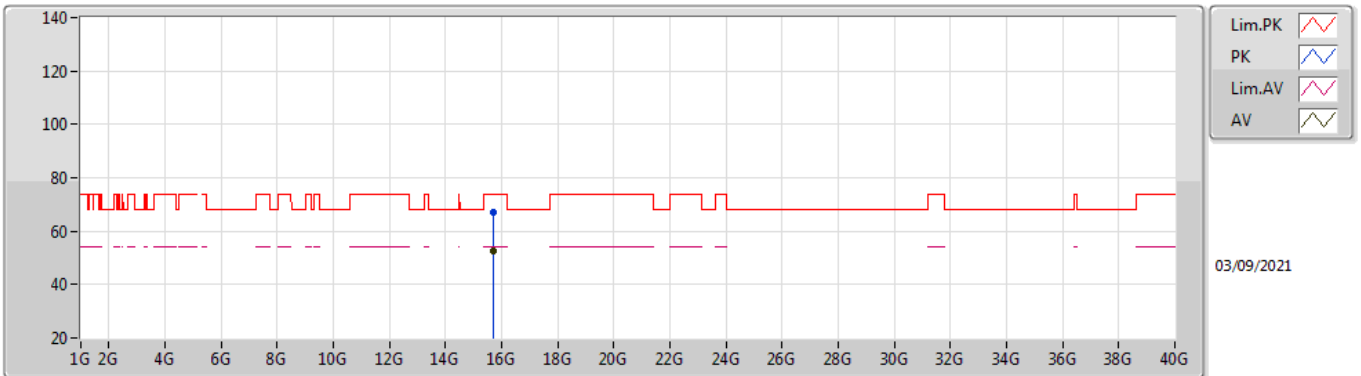


EUT Y_4TX
Setting 105
02-B-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.72272G	59.91	74.00	-14.09	46.82	3	Vertical	207	1.80	-	37.40	9.10	33.41	
AV	15.71992G	45.45	54.00	-8.55	32.36	3	Vertical	207	1.80	-	37.40	9.10	33.41	

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

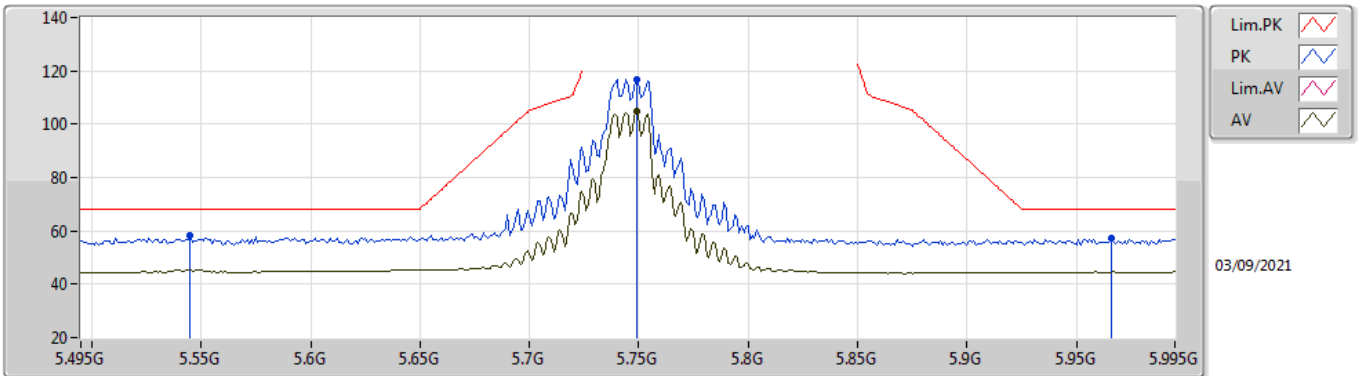


EUT Y_4TX
Setting 105
02-B-B-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.7224G	67.25	74.00	-6.75	54.16	3	Horizontal	50	2.45	-	37.40	9.10	33.41	
AV	15.72216G	52.38	54.00	-1.62	39.29	3	Horizontal	50	2.45	-	37.40	9.10	33.41	

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

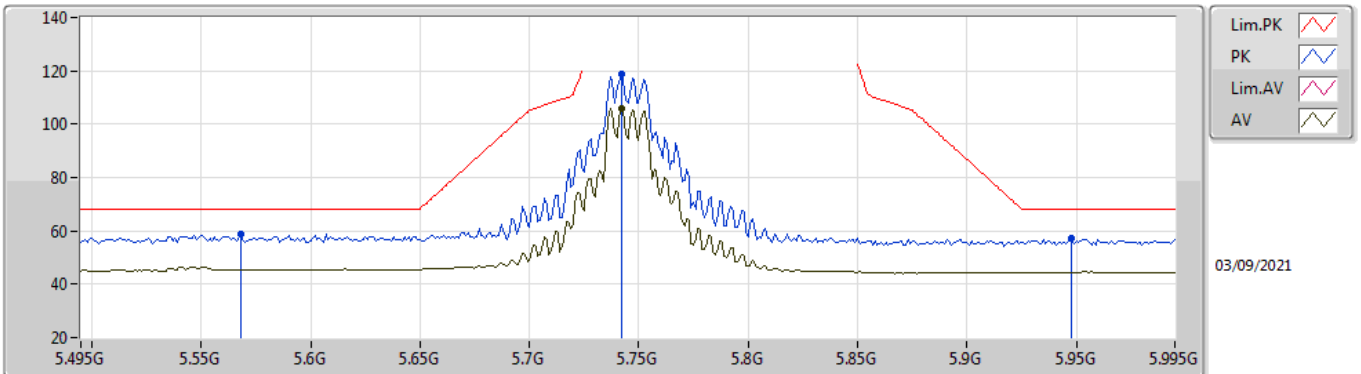


EUT Y_4TX
Setting 100
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.545G	58.20	68.20	-10.00	51.28	3	Vertical	290	1.48	-	33.90	5.15	32.13	
PK	5.749G	116.70	Inf	-Inf	109.99	3	Vertical	290	1.48	-	33.80	5.05	32.14	
AV	5.749G	104.88	Inf	-Inf	98.17	3	Vertical	290	1.48	-	33.80	5.05	32.14	
PK	5.966G	57.41	68.20	-10.79	49.97	3	Vertical	290	1.48	-	34.10	5.50	32.16	

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

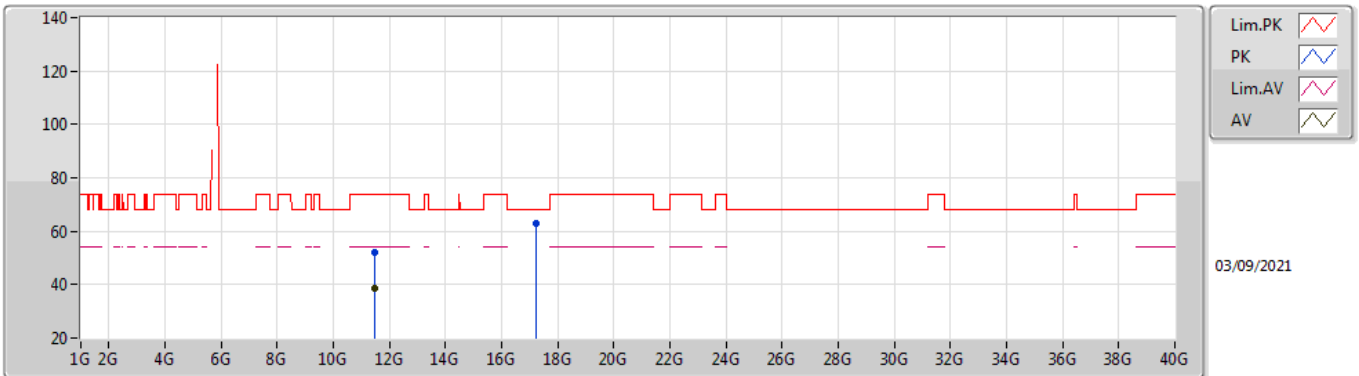


EUT Y_4TX
Setting 100
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.568G	58.68	68.20	-9.52	51.74	3	Horizontal	178	1.75	-	33.90	5.17	32.13	
PK	5.742G	118.96	Inf	-Inf	112.26	3	Horizontal	178	1.75	-	33.78	5.06	32.14	
AV	5.742G	105.92	Inf	-Inf	99.22	3	Horizontal	178	1.75	-	33.78	5.06	32.14	
PK	5.948G	57.29	68.20	-10.91	49.91	3	Horizontal	178	1.75	-	34.10	5.44	32.16	

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

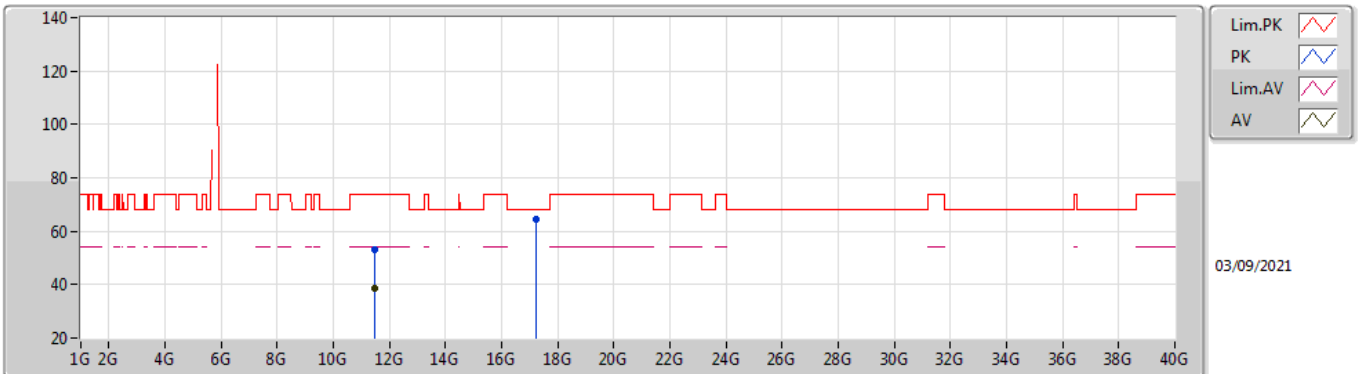


EUT Y_4TX
Setting 100
02-B-S-8

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	11.49036G	52.26	74.00	-21.74	38.88	3	Vertical	266	1.85	-	38.98	7.62	33.22	
AV	11.485G	38.56	54.00	-15.44	25.19	3	Vertical	266	1.85	-	38.97	7.62	33.22	
PK	17.23766G	62.75	68.20	-5.45	44.59	3	Vertical	184	2.86	-	42.11	9.32	33.27	

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

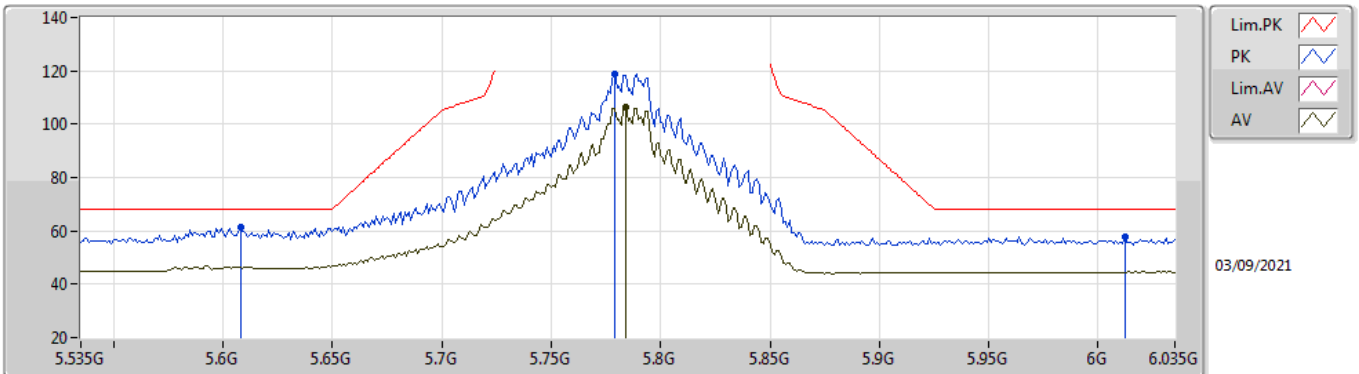


EUT Y_4TX
Setting 100
02-B-S-8

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	11.49046G	53.26	74.00	-20.74	39.88	3	Horizontal	294	2.19	-	38.98	7.62	33.22	
AV	11.48516G	38.56	54.00	-15.44	25.19	3	Horizontal	294	2.19	-	38.97	7.62	33.22	
PK	17.23412G	64.70	68.20	-3.50	46.55	3	Horizontal	73	1.40	-	42.10	9.32	33.27	

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

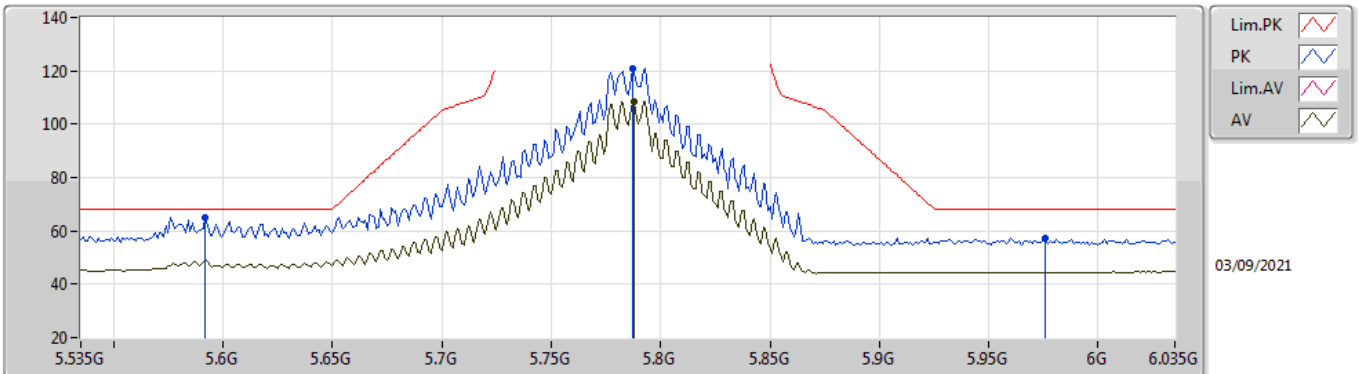


EUT Y_4TX
Setting 106
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.608G	61.34	68.20	-6.86	54.41	3	Vertical	248	1.89	-	33.88	5.19	32.14	
PK	5.779G	118.88	Inf	-Inf	112.27	3	Vertical	248	1.89	-	33.74	5.02	32.15	
AV	5.784G	106.19	Inf	-Inf	99.59	3	Vertical	248	1.89	-	33.73	5.02	32.15	
PK	6.012G	57.57	68.20	-10.63	50.00	3	Vertical	248	1.89	-	34.15	5.58	32.16	

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

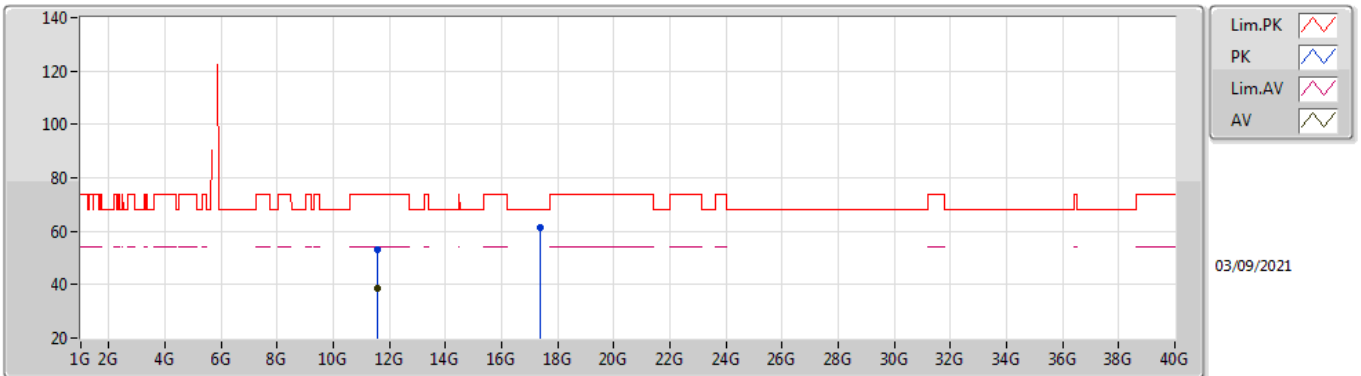


EUT Y_4TX
Setting 106
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.592G	64.86	68.20	-3.34	57.91	3	Horizontal	183	1.47	-	33.90	5.19	32.14	
PK	5.787G	121.12	Inf	-Inf	114.53	3	Horizontal	183	1.47	-	33.73	5.01	32.15	
AV	5.788G	108.52	Inf	-Inf	101.94	3	Horizontal	183	1.47	-	33.72	5.01	32.15	
PK	5.976G	57.34	68.20	-10.86	49.87	3	Horizontal	183	1.47	-	34.10	5.53	32.16	

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

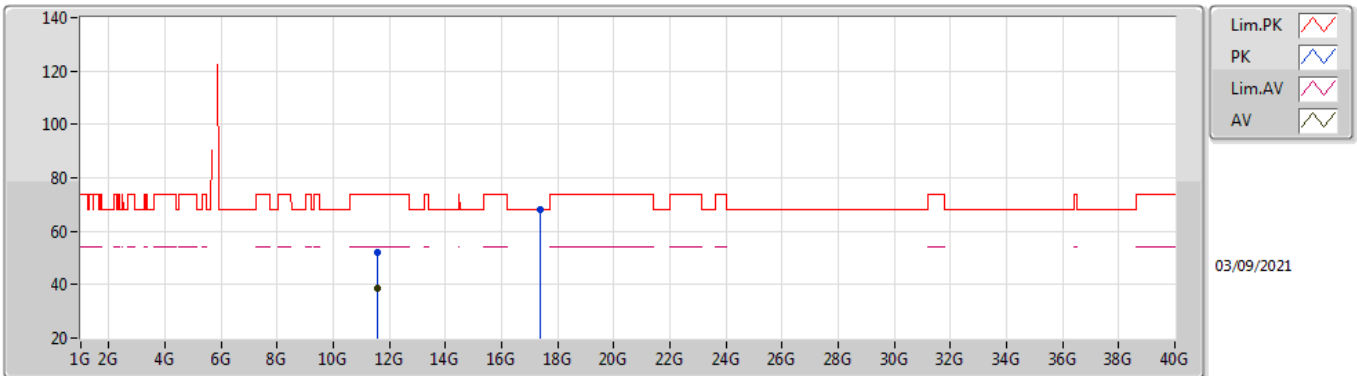


EUT Y_4TX
Setting 106
02-B-S-8

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	11.57026G	53.20	74.00	-20.80	39.58	3	Vertical	78	2.29	-	39.21	7.65	33.24
AV	11.56766G	38.72	54.00	-15.28	25.11	3	Vertical	78	2.29	-	39.20	7.65	33.24
PK	17.3624G	61.22	68.20	-6.98	42.21	3	Vertical	18	1.79	-	42.80	9.34	33.13

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

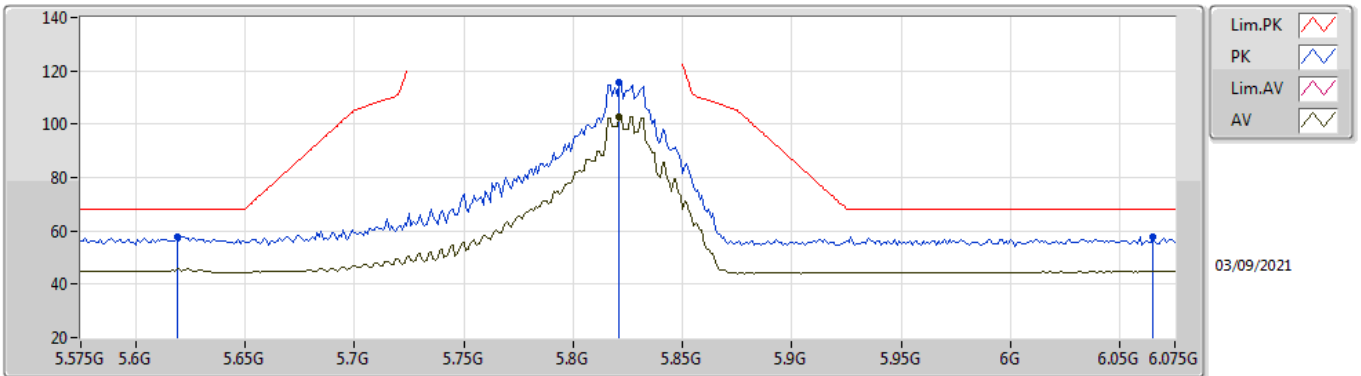


EUT Y_4TX
Setting 106
02-B-S-8

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	11.56866G	52.31	74.00	-21.69	38.69	3	Horizontal	318	1.22	-	39.21	7.65	33.24
AV	11.56926G	38.63	54.00	-15.37	25.01	3	Horizontal	318	1.22	-	39.21	7.65	33.24
PK	17.3577G	68.11	68.20	-0.09	49.14	3	Horizontal	13	1.80	-	42.76	9.34	33.13

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

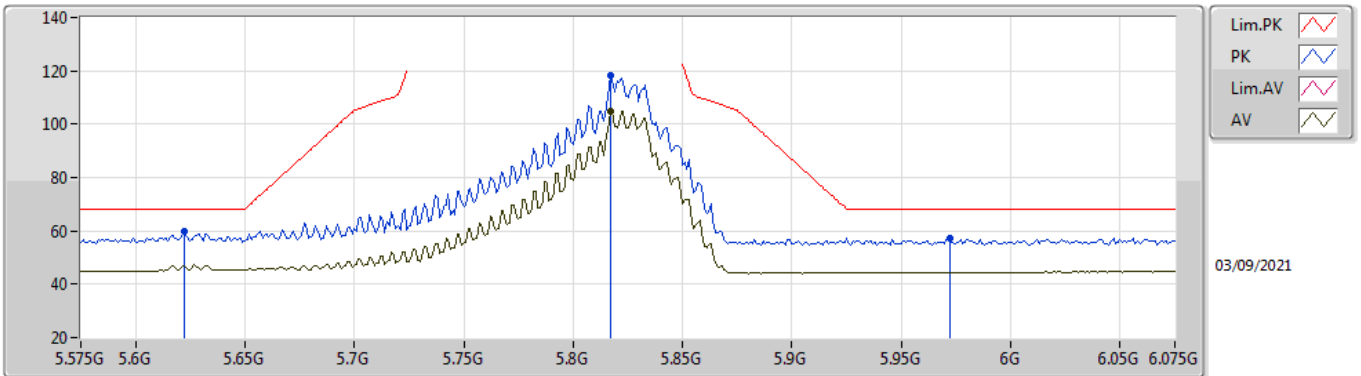


EUT Y_4TX
Setting 108
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.619G	58.01	68.20	-10.19	51.11	3	Vertical	235	2.77	-	33.86	5.18	32.14
PK	5.821G	115.52	Inf	-Inf	108.87	3	Vertical	235	2.77	-	33.74	5.06	32.15
AV	5.821G	103.00	Inf	-Inf	96.35	3	Vertical	235	2.77	-	33.74	5.06	32.15
PK	6.065G	57.79	68.20	-10.41	50.12	3	Vertical	235	2.77	-	34.33	5.50	32.16

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

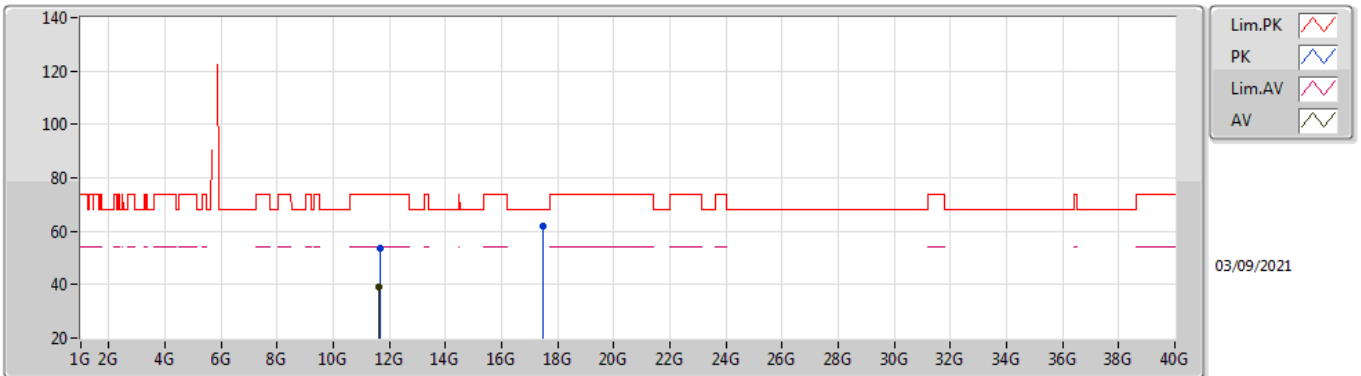


EUT Y_4TX
Setting 108
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.622G	59.79	68.20	-8.41	52.89	3	Horizontal	353	1.69	-	33.86	5.18	32.14	
PK	5.817G	118.09	Inf	-Inf	111.46	3	Horizontal	353	1.69	-	33.73	5.05	32.15	
AV	5.817G	104.89	Inf	-Inf	98.26	3	Horizontal	353	1.69	-	33.73	5.05	32.15	
PK	5.972G	57.43	68.20	-10.77	49.97	3	Horizontal	353	1.69	-	34.10	5.52	32.16	

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

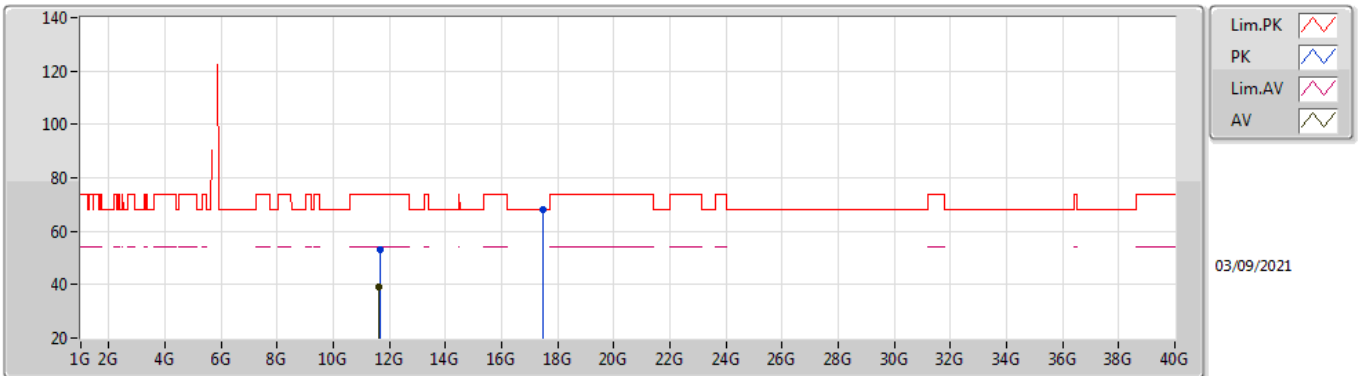


EUT Y_4TX
Setting 108
02-B-S-8

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	11.64832G	53.63	74.00	-20.37	39.86	3	Vertical	225	2.68	-	39.35	7.68	33.26
AV	11.64566G	39.08	54.00	-14.92	25.31	3	Vertical	225	2.68	-	39.35	7.68	33.26
PK	17.4756G	61.82	68.20	-6.38	41.84	3	Vertical	20	1.84	-	43.63	9.35	33.00

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

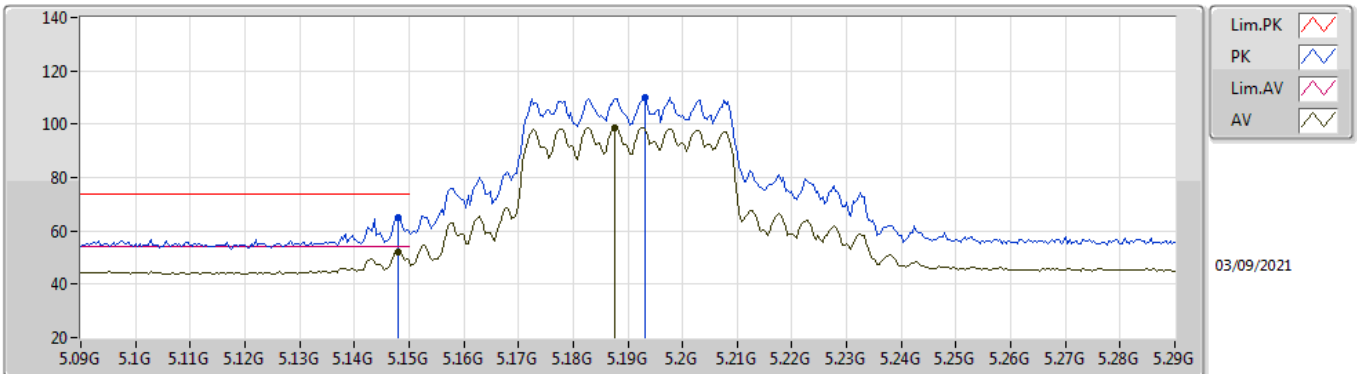


EUT Y_4TX
Setting 108
02-B-S-8

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	11.64974G	53.03	74.00	-20.97	39.26	3	Horizontal	65	2.00	-	39.35	7.68	33.26	
AV	11.64544G	39.10	54.00	-14.90	25.33	3	Horizontal	65	2.00	-	39.35	7.68	33.26	
PK	17.4778G	67.91	68.20	-0.29	47.92	3	Horizontal	12	1.82	-	43.64	9.35	33.00	

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

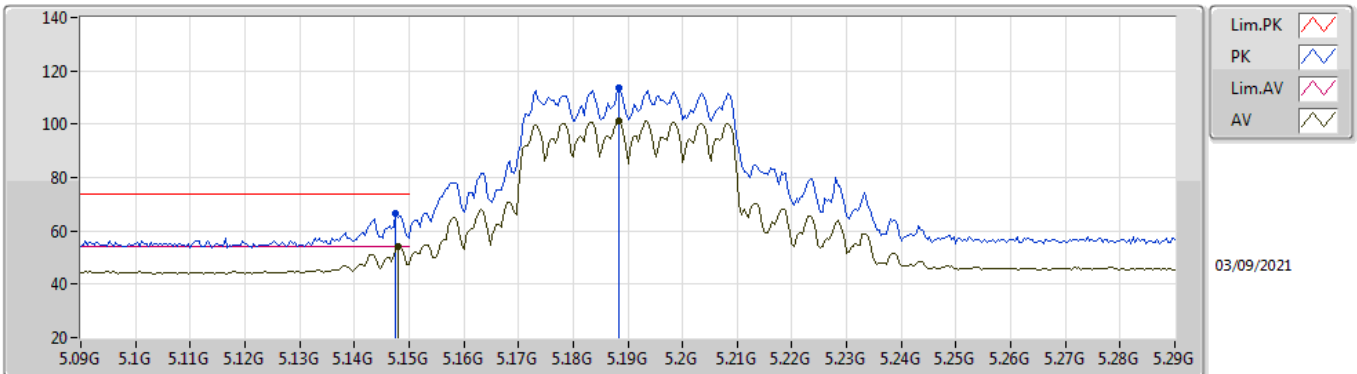


EUT Y_4TX
Setting 80
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.148G	65.04	74.00	-8.96	58.69	3	Vertical	268	2.36	-	33.50	5.00	32.15	
AV	5.148G	52.24	54.00	-1.76	45.89	3	Vertical	268	2.36	-	33.50	5.00	32.15	
PK	5.1932G	109.92	Inf	-Inf	103.48	3	Vertical	268	2.36	-	33.50	5.09	32.15	
AV	5.1876G	98.85	Inf	-Inf	92.42	3	Vertical	268	2.36	-	33.50	5.08	32.15	

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

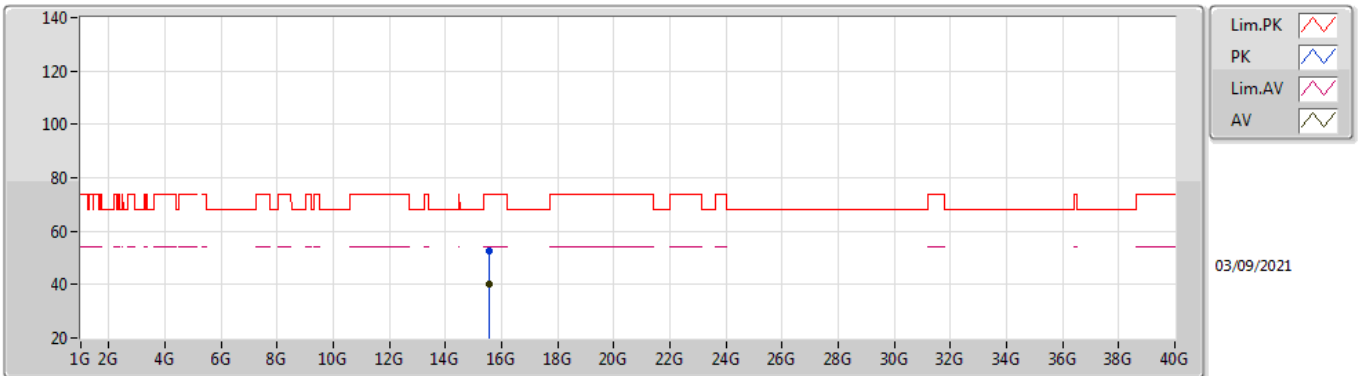


EUT Y_4TX
Setting 80
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1476G	66.56	74.00	-7.44	60.21	3	Horizontal	1	2.74	-	33.50	5.00	32.15
AV	5.148G	53.97	54.00	-0.03	47.62	3	Horizontal	1	2.74	-	33.50	5.00	32.15
PK	5.1884G	113.59	Inf	-Inf	107.16	3	Horizontal	1	2.74	-	33.50	5.08	32.15
AV	5.1884G	101.03	Inf	-Inf	94.60	3	Horizontal	1	2.74	-	33.50	5.08	32.15

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

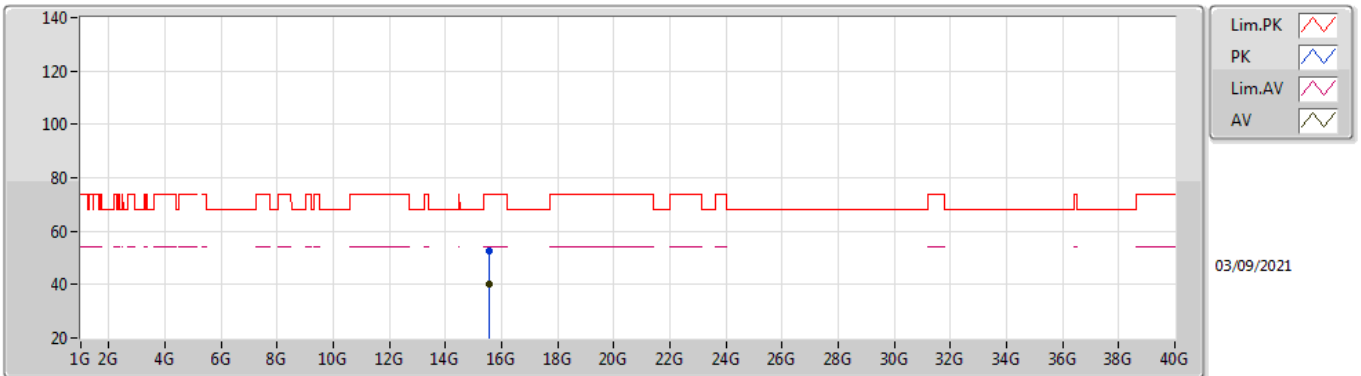


EUT Y_4TX
Setting 80
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.56724G	52.68	74.00	-21.32	39.16	3	Vertical	356	2.89	-	37.70	9.05	33.23	
AV	15.56952G	40.03	54.00	-13.97	26.52	3	Vertical	356	2.89	-	37.69	9.05	33.23	

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

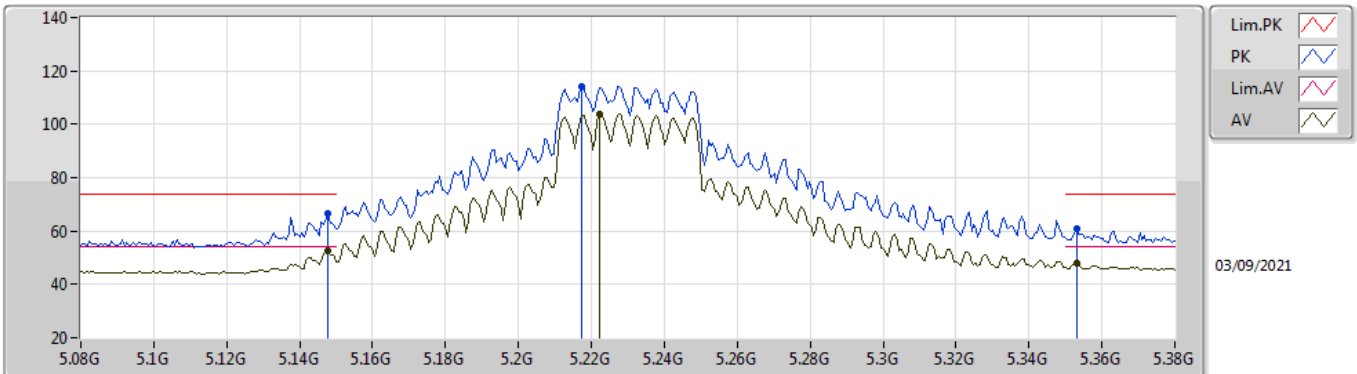


EUT Y_4TX
Setting 80
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.56624G	52.50	74.00	-21.50	38.98	3	Horizontal	207	1.33	-	37.70	9.05	33.23
AV	15.56852G	40.36	54.00	-13.64	26.85	3	Horizontal	207	1.33	-	37.69	9.05	33.23

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

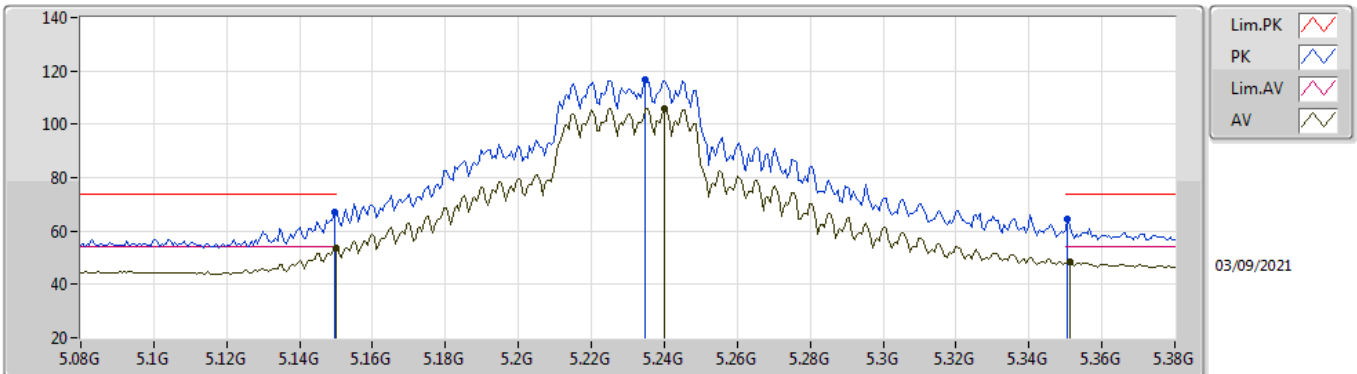


EUT_V_4TX
Setting 98
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1478G	66.36	74.00	-7.64	60.01	3	Vertical	262	2.33	-	33.50	5.00	32.15	
AV	5.1478G	52.73	54.00	-1.27	46.38	3	Vertical	262	2.33	-	33.50	5.00	32.15	
PK	5.2174G	114.27	Inf	-Inf	107.80	3	Vertical	262	2.33	-	33.53	5.09	32.15	
AV	5.2222G	103.71	Inf	-Inf	97.23	3	Vertical	262	2.33	-	33.54	5.09	32.15	
PK	5.353G	60.69	74.00	-13.31	54.10	3	Vertical	262	2.33	-	33.71	5.02	32.14	
AV	5.353G	47.69	54.00	-6.31	41.10	3	Vertical	262	2.33	-	33.71	5.02	32.14	

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

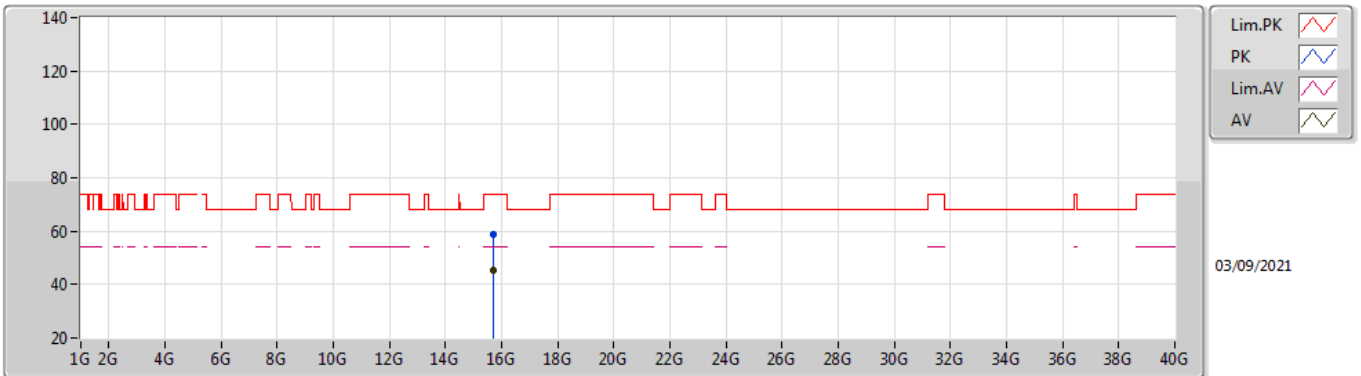


EUT V_4TX
Setting 98
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	67.27	74.00	-6.73	60.92	3	Horizontal	162	2.66	-	33.50	5.00	32.15
AV	5.15G	53.83	54.00	-0.17	47.48	3	Horizontal	162	2.66	-	33.50	5.00	32.15
PK	5.2348G	116.75	Inf	-Inf	110.25	3	Horizontal	162	2.66	-	33.57	5.08	32.15
AV	5.2402G	106.02	Inf	-Inf	99.51	3	Horizontal	162	2.66	-	33.58	5.08	32.15
PK	5.3506G	64.60	74.00	-9.40	58.02	3	Horizontal	162	2.66	-	33.70	5.02	32.14
AV	5.3512G	48.57	54.00	-5.43	41.99	3	Horizontal	162	2.66	-	33.70	5.02	32.14

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

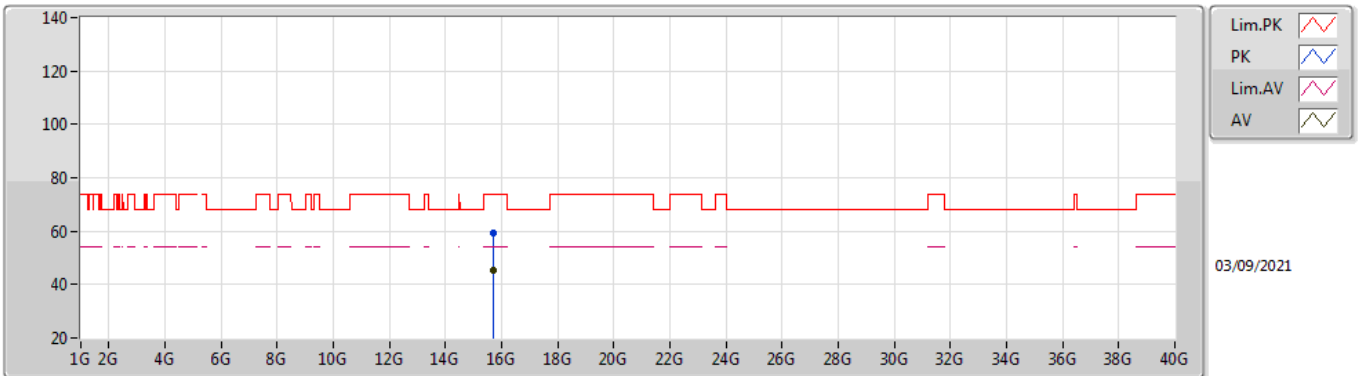


EUT Y_4TX
Setting 98
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.6891G	58.59	74.00	-15.41	45.45	3	Vertical	140	1.46	-	37.42	9.09	33.37
AV	15.69G	45.12	54.00	-8.88	31.98	3	Vertical	140	1.46	-	37.42	9.09	33.37

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

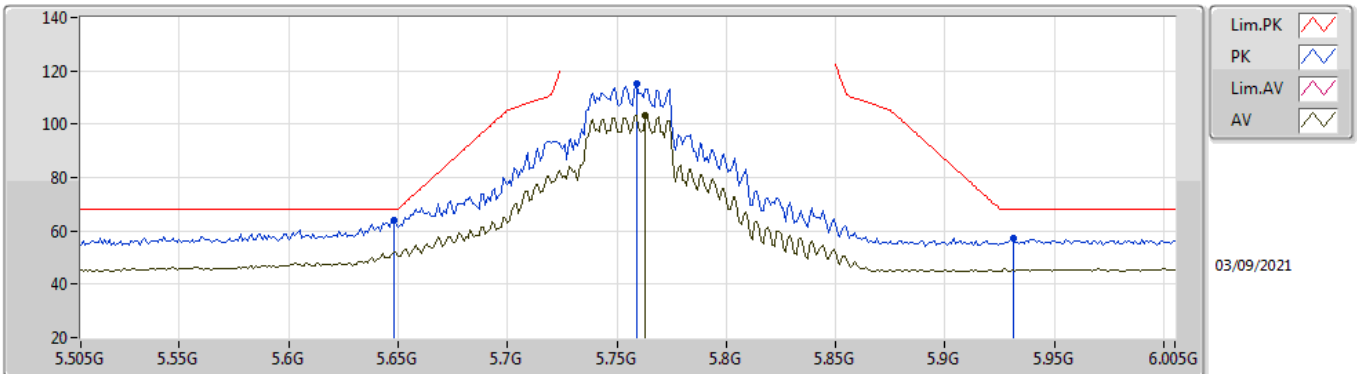


EUT Y_4TX
Setting 98
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.68904G	59.25	74.00	-14.75	46.11	3	Horizontal	343	2.38	-	37.42	9.09	33.37	
AV	15.68976G	45.15	54.00	-8.85	32.01	3	Horizontal	343	2.38	-	37.42	9.09	33.37	

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

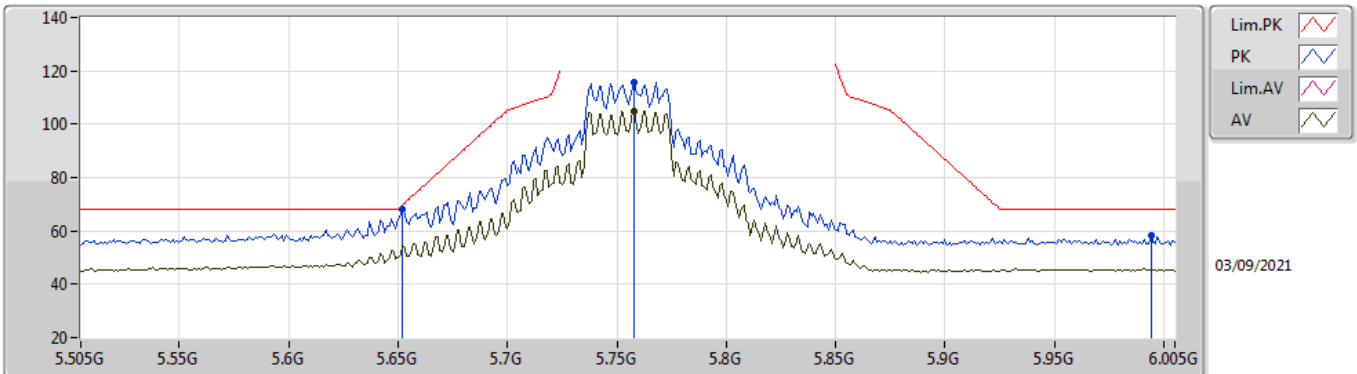


EUT Y_4TX
Setting 103
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.648G	64.13	68.20	-4.07	57.32	3	Vertical	253	1.80	-	33.80	5.15	32.14	
PK	5.759G	115.37	Inf	-Inf	108.70	3	Vertical	253	1.80	-	33.78	5.04	32.15	
AV	5.763G	103.25	Inf	-Inf	96.59	3	Vertical	253	1.80	-	33.77	5.04	32.15	
PK	5.931G	57.24	68.20	-10.96	49.95	3	Vertical	253	1.80	-	34.06	5.39	32.16	

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

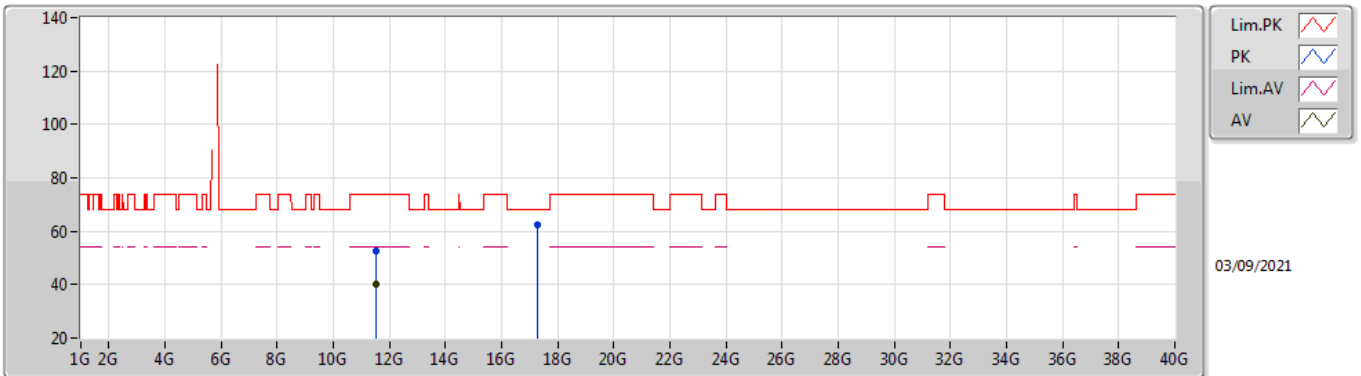


EUT_V_4TX
Setting 103
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.652G	68.28	69.68	-1.40	61.47	3	Horizontal	351	1.80	-	33.80	5.15	32.14	
PK	5.758G	115.84	Inf	-Inf	109.17	3	Horizontal	351	1.80	-	33.78	5.04	32.15	
AV	5.758G	105.07	Inf	-Inf	98.40	3	Horizontal	351	1.80	-	33.78	5.04	32.15	
PK	5.994G	58.37	68.20	-9.83	50.85	3	Horizontal	351	1.80	-	34.10	5.58	32.16	

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

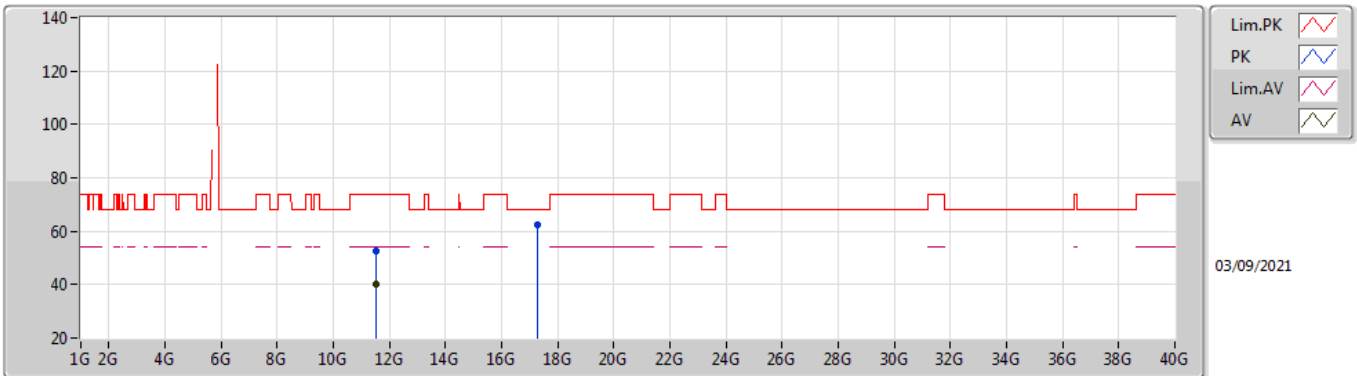


EUT Y_4TX
Setting 103
02-B-S-8

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	11.50764G	52.39	74.00	-21.61	38.96	3	Vertical	166	1.10	-	39.02	7.63	33.22	
AV	11.50812G	40.22	54.00	-13.78	26.79	3	Vertical	166	1.10	-	39.02	7.63	33.22	
PK	17.2624G	62.36	68.20	-5.84	44.08	3	Vertical	183	1.71	-	42.19	9.33	33.24	

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

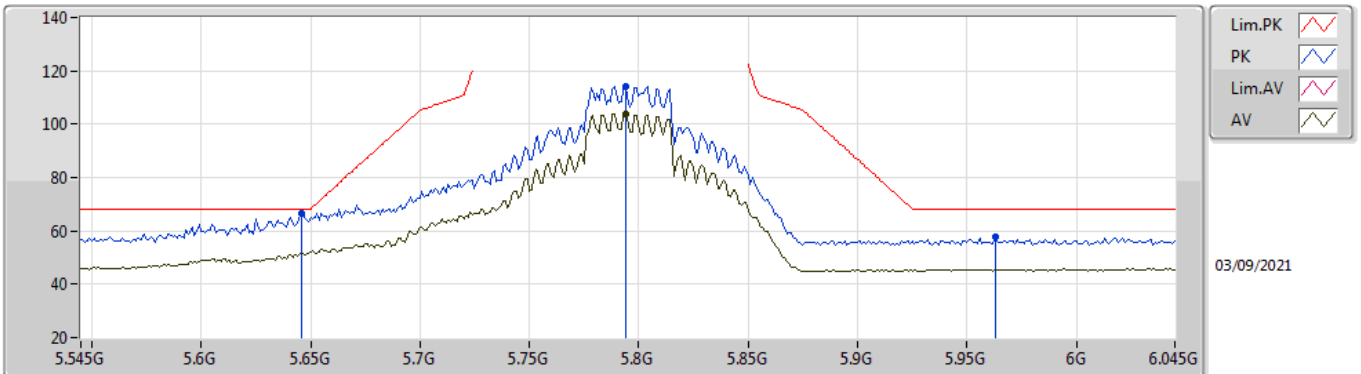


EUT Y_4TX
Setting 103
02-B-S-8

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	11.5076G	52.73	74.00	-21.27	39.30	3	Horizontal	43	2.60	-	39.02	7.63	33.22	
AV	11.513G	39.97	54.00	-14.03	26.52	3	Horizontal	43	2.60	-	39.04	7.63	33.22	
PK	17.26958G	62.16	68.20	-6.04	43.85	3	Horizontal	215	2.26	-	42.21	9.33	33.23	

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

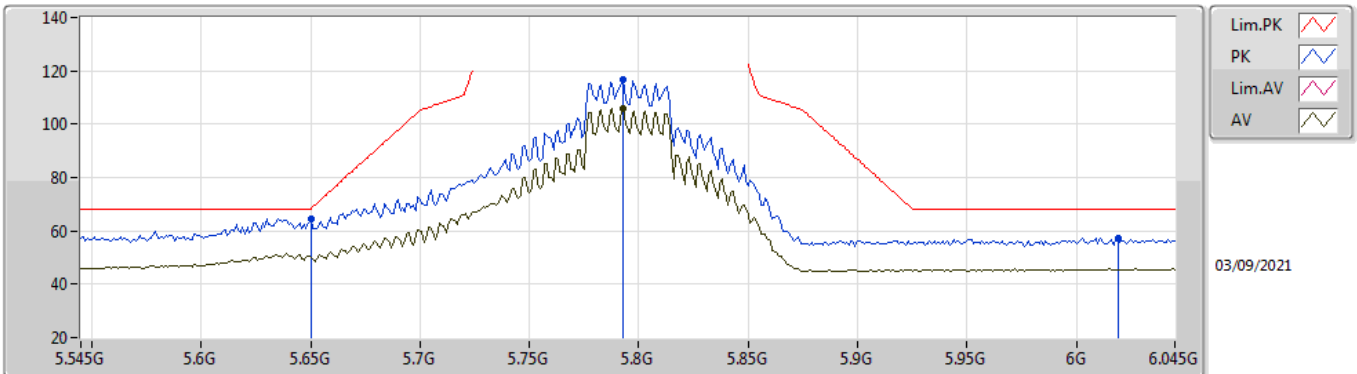


EUT Y_4TX
Setting 105
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.646G	66.34	68.20	-1.86	59.52	3	Vertical	249	1.80	-	33.81	5.15	32.14	
PK	5.794G	114.22	Inf	-Inf	107.65	3	Vertical	249	1.80	-	33.71	5.01	32.15	
AV	5.794G	103.73	Inf	-Inf	97.16	3	Vertical	249	1.80	-	33.71	5.01	32.15	
PK	5.963G	57.84	68.20	-10.36	50.41	3	Vertical	249	1.80	-	34.10	5.49	32.16	

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

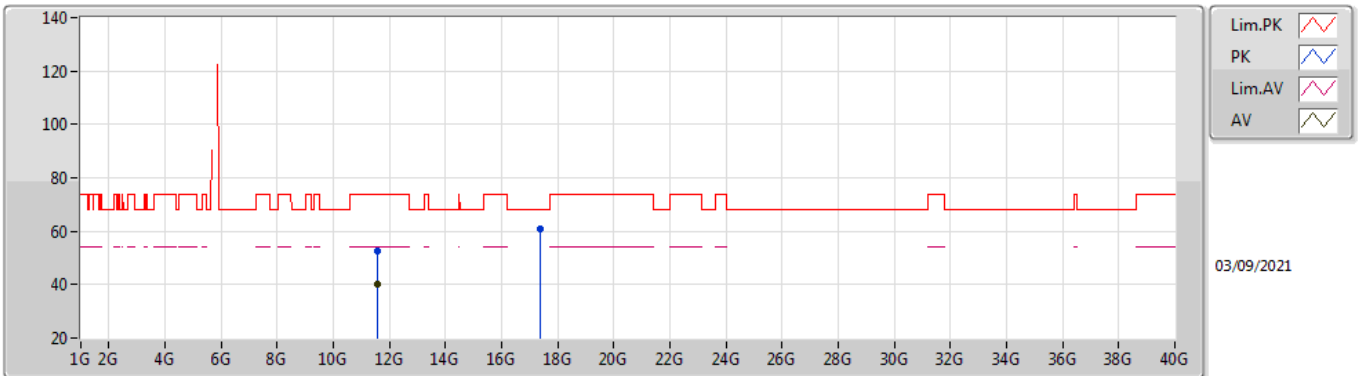


EUT Y_4TX
Setting 105
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.65G	64.73	68.20	-3.47	57.92	3	Horizontal	354	1.62	-	33.80	5.15	32.14	
PK	5.793G	116.98	Inf	-Inf	110.41	3	Horizontal	354	1.62	-	33.71	5.01	32.15	
AV	5.793G	106.06	Inf	-Inf	99.49	3	Horizontal	354	1.62	-	33.71	5.01	32.15	
PK	6.019G	57.24	68.20	-10.96	49.65	3	Horizontal	354	1.62	-	34.18	5.57	32.16	

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

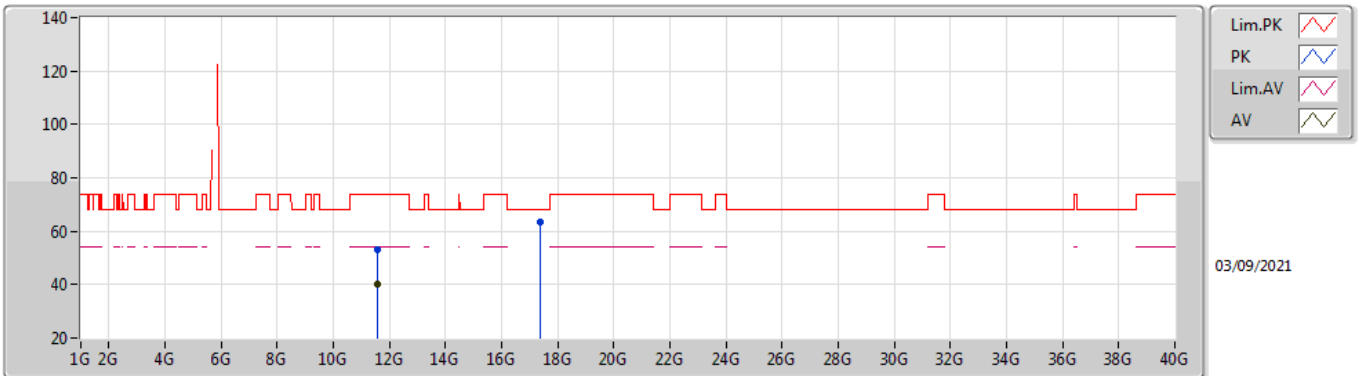


EUT Y_4TX
Setting 105
02-B-S-8

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	11.59454G	52.56	74.00	-21.44	38.86	3	Vertical	50	1.38	-	39.28	7.66	33.24
AV	11.5925G	40.32	54.00	-13.68	26.62	3	Vertical	50	1.38	-	39.28	7.66	33.24
PK	17.3857G	60.95	68.20	-7.25	41.72	3	Vertical	131	1.70	-	42.99	9.34	33.10

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

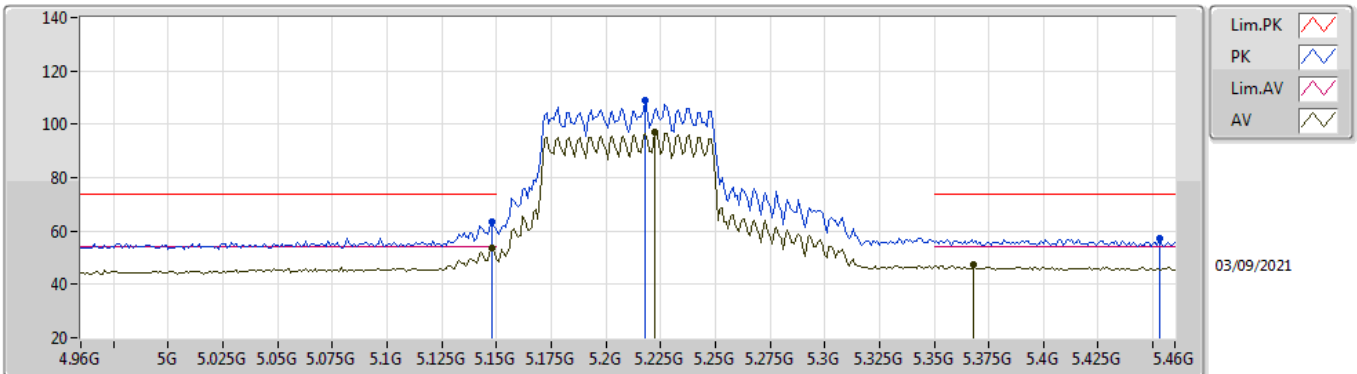


EUT Y_4TX
Setting 105
02-B-S-8

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	11.59196G	52.90	74.00	-21.10	39.20	3	Horizontal	270	1.18	-	39.28	7.66	33.24
AV	11.58746G	40.28	54.00	-13.72	26.60	3	Horizontal	270	1.18	-	39.26	7.66	33.24
PK	17.38564G	63.50	68.20	-4.70	44.27	3	Horizontal	324	1.16	-	42.99	9.34	33.10

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

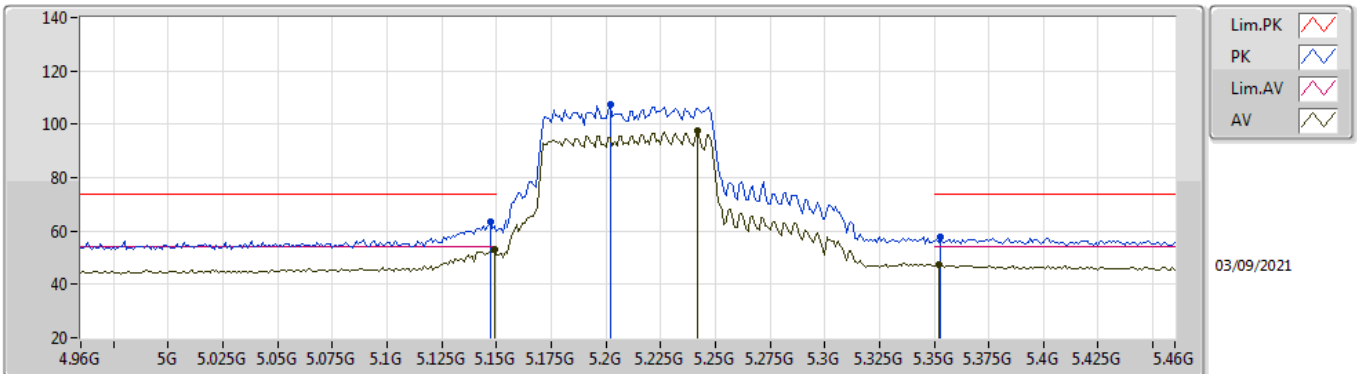


EUT_V_4TX
Setting 79
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.148G	63.42	74.00	-10.58	57.07	3	Vertical	264	2.33	-	33.50	5.00	32.15
AV	5.148G	53.74	54.00	-0.26	47.39	3	Vertical	264	2.33	-	33.50	5.00	32.15
PK	5.218G	108.75	Inf	-Inf	102.27	3	Vertical	264	2.33	-	33.54	5.09	32.15
AV	5.222G	97.10	Inf	-Inf	90.62	3	Vertical	264	2.33	-	33.54	5.09	32.15
PK	5.453G	57.01	74.00	-16.99	50.19	3	Vertical	264	2.33	-	33.90	5.05	32.13
AV	5.368G	47.17	54.00	-6.83	40.55	3	Vertical	264	2.33	-	33.74	5.02	32.14

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

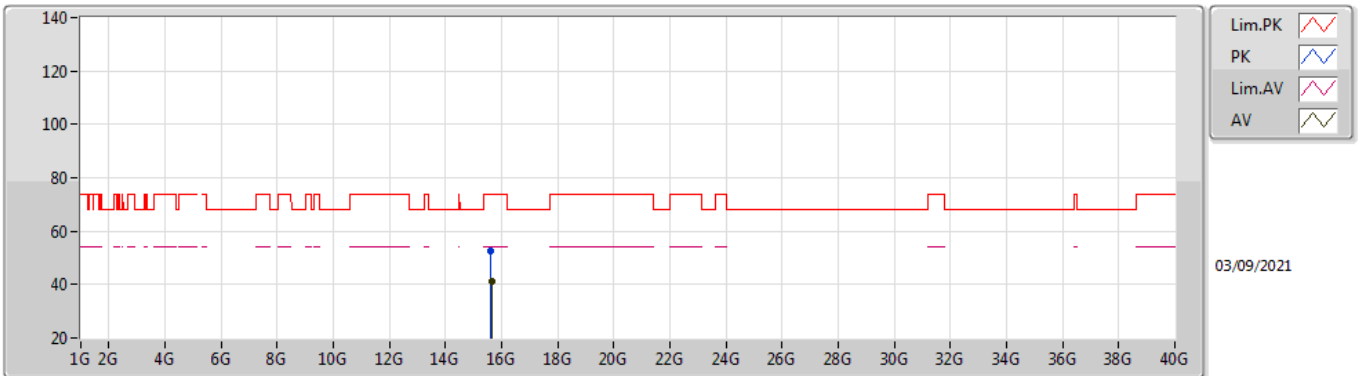


EUT_V_4TX
Setting 79
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.147G	63.49	74.00	-10.51	57.15	3	Horizontal	236	1.80	-	33.50	4.99	32.15
AV	5.149G	53.07	54.00	-0.93	46.72	3	Horizontal	236	1.80	-	33.50	5.00	32.15
PK	5.202G	107.17	Inf	-Inf	100.72	3	Horizontal	236	1.80	-	33.50	5.10	32.15
AV	5.242G	97.35	Inf	-Inf	90.84	3	Horizontal	236	1.80	-	33.58	5.08	32.15
PK	5.353G	57.60	74.00	-16.40	51.01	3	Horizontal	236	1.80	-	33.71	5.02	32.14
AV	5.352G	47.45	54.00	-6.55	40.87	3	Horizontal	236	1.80	-	33.70	5.02	32.14

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

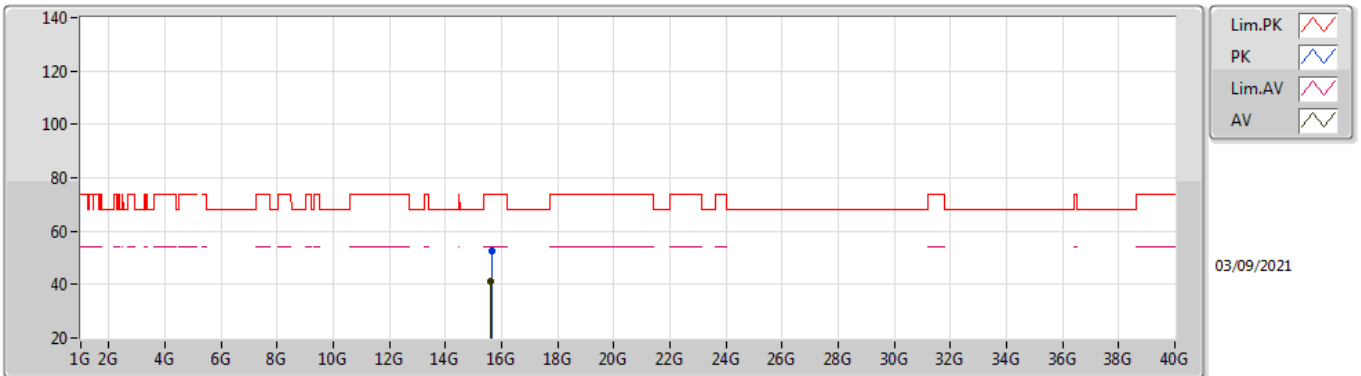


EUT Y_4TX
Setting 79
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.6273G	52.69	74.00	-21.31	39.37	3	Vertical	307	1.00	-	37.55	9.07	33.30	
AV	15.63324G	41.36	54.00	-12.64	28.07	3	Vertical	307	1.00	-	37.53	9.07	33.31	

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

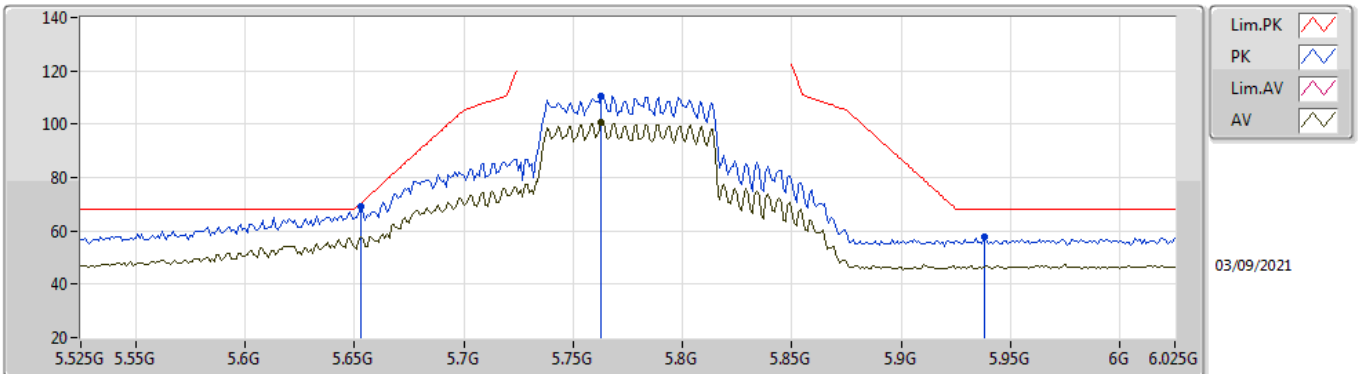


EUT Y_4TX
Setting 79
02-B-S-8

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.63346G	52.45	74.00	-21.55	39.16	3	Horizontal	108	1.13	-	37.53	9.07	33.31
AV	15.63094G	41.39	54.00	-12.61	28.08	3	Horizontal	108	1.13	-	37.54	9.07	33.30

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

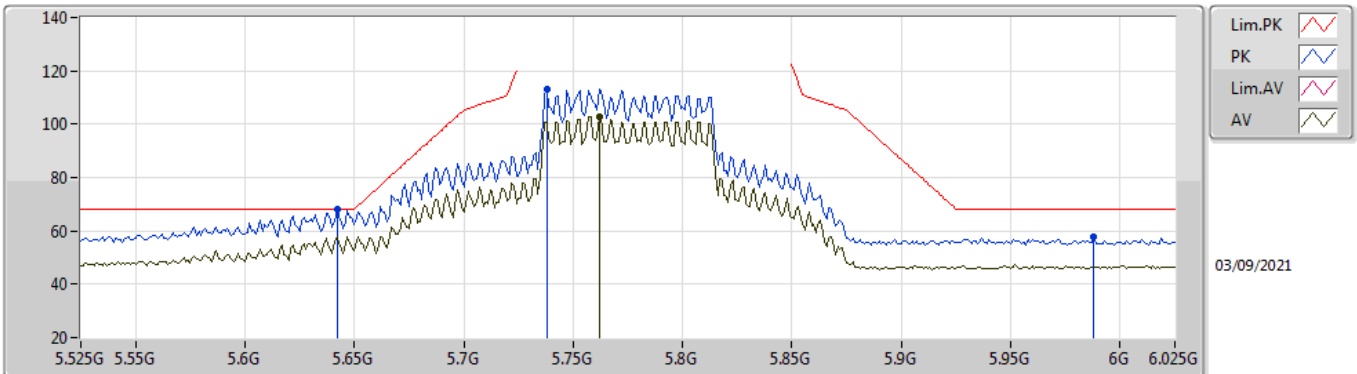


EUT Y_4TX
Setting 96
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.653G	69.12	70.42	-1.30	62.32	3	Vertical	253	1.80	-	33.79	5.15	32.14	
PK	5.763G	110.74	Inf	-Inf	104.08	3	Vertical	253	1.80	-	33.77	5.04	32.15	
AV	5.763G	100.69	Inf	-Inf	94.03	3	Vertical	253	1.80	-	33.77	5.04	32.15	
PK	5.938G	57.52	68.20	-10.68	50.19	3	Vertical	253	1.80	-	34.08	5.41	32.16	

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

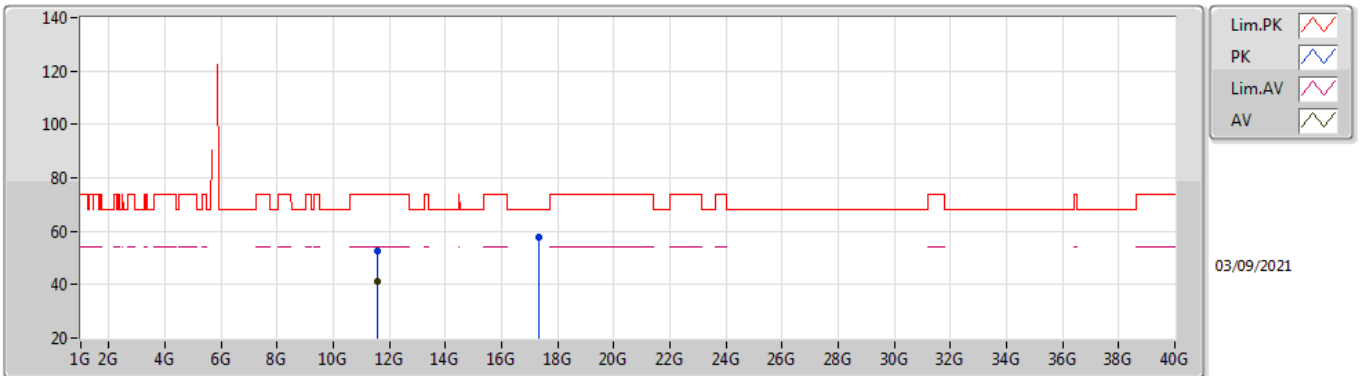


EUT Y_4TX
Setting 96
02-B-S-8-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.642G	68.13	68.20	-0.07	61.29	3	Horizontal	357	1.80	-	33.82	5.16	32.14
PK	5.738G	113.24	Inf	-Inf	106.54	3	Horizontal	357	1.80	-	33.78	5.06	32.14
AV	5.762G	102.77	Inf	-Inf	96.10	3	Horizontal	357	1.80	-	33.78	5.04	32.15
PK	5.988G	57.54	68.20	-10.66	50.04	3	Horizontal	357	1.80	-	34.10	5.56	32.16

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

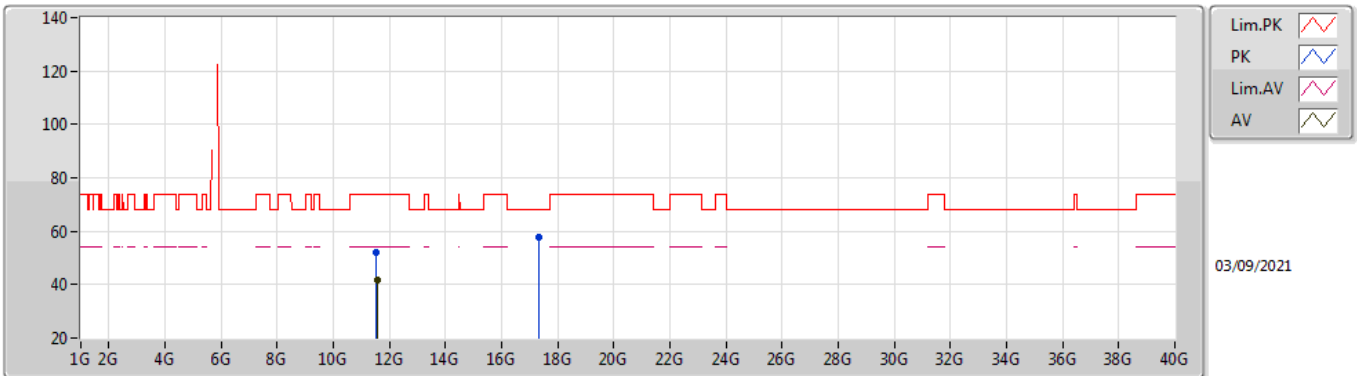


EUT Y_4TX
Setting 96
02-B-S-8

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	11.55402G	52.38	74.00	-21.62	38.81	3	Vertical	85	2.09	-	39.16	7.64	33.23	
AV	11.5512G	41.41	54.00	-12.59	27.85	3	Vertical	85	2.09	-	39.15	7.64	33.23	
PK	17.32532G	57.70	68.20	-10.50	39.04	3	Vertical	139	1.88	-	42.50	9.33	33.17	

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom



EUT Y_4TX
Setting 96
02-B-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	11.54836G	52.29	74.00	-21.71	38.73	3	Horizontal	26	1.13	-	39.15	7.64	33.23
AV	11.54938G	41.81	54.00	-12.19	28.25	3	Horizontal	26	1.13	-	39.15	7.64	33.23
PK	17.32604G	57.76	68.20	-10.44	39.09	3	Horizontal	307	1.69	-	42.51	9.33	33.17

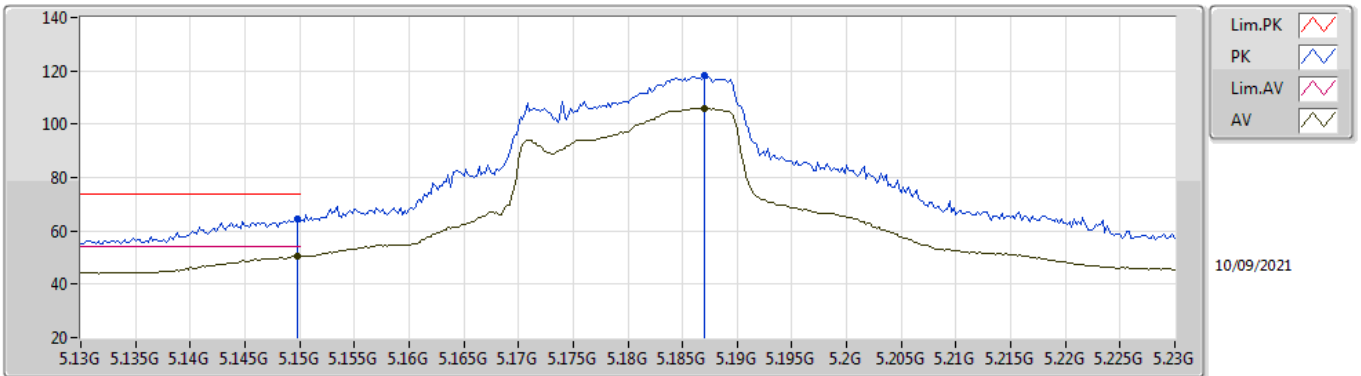


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	PK	17.3533G	68.19	68.20	-0.01	3	Horizontal	12	1.80	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

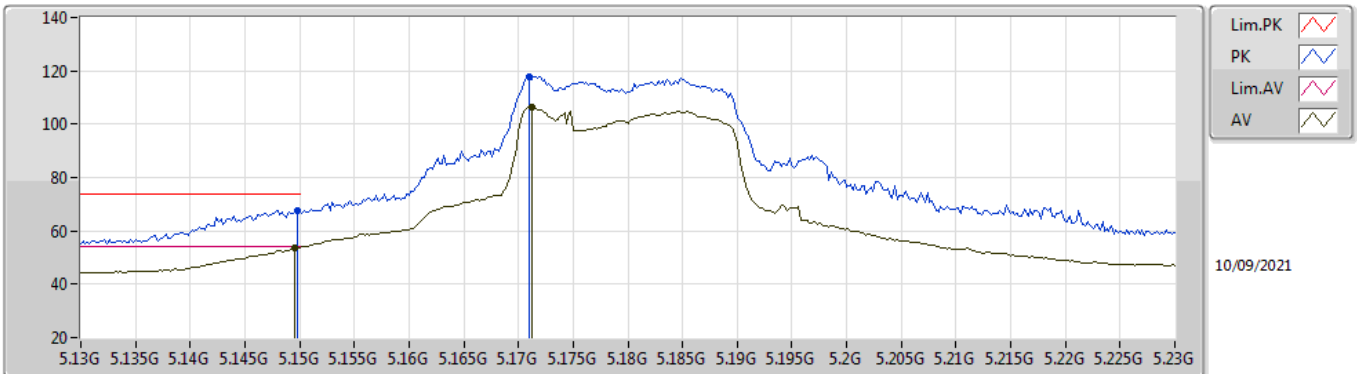


EUT Y_4TX
Setting 94
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1498G	64.23	74.00	-9.77	57.88	3	Vertical	122	1.80	-	33.50	5.00	32.15	
AV	5.1498G	50.36	54.00	-3.64	44.01	3	Vertical	122	1.80	-	33.50	5.00	32.15	
PK	5.187G	118.23	Inf	-Inf	111.81	3	Vertical	122	1.80	-	33.50	5.07	32.15	
AV	5.187G	105.95	Inf	-Inf	99.53	3	Vertical	122	1.80	-	33.50	5.07	32.15	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

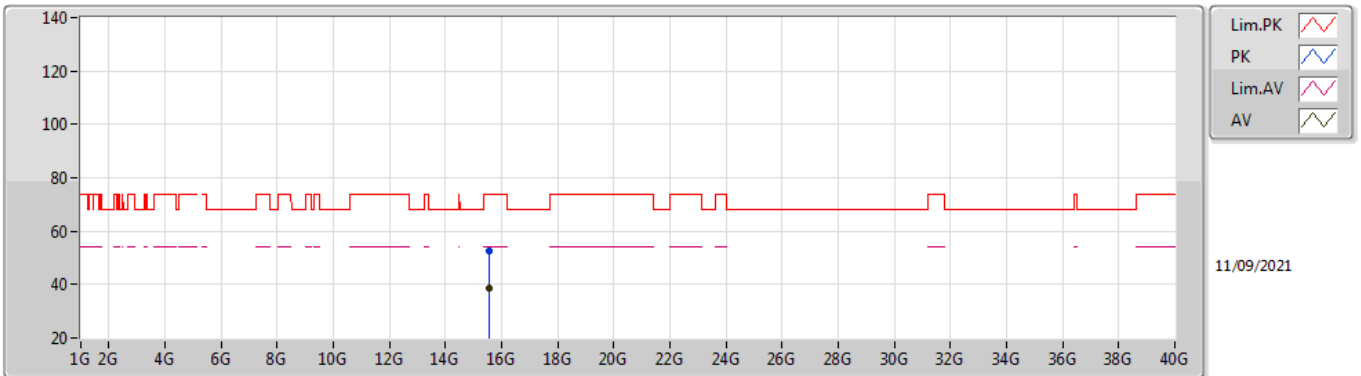


EUT Y_4TX
Setting 94
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1498G	67.71	74.00	-6.29	61.36	3	Horizontal	233	1.48	-	33.50	5.00	32.15	
AV	5.1496G	53.71	54.00	-0.29	47.36	3	Horizontal	233	1.48	-	33.50	5.00	32.15	
PK	5.171G	118.00	Inf	-Inf	111.61	3	Horizontal	233	1.48	-	33.50	5.04	32.15	
AV	5.1712G	106.30	Inf	-Inf	99.91	3	Horizontal	233	1.48	-	33.50	5.04	32.15	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

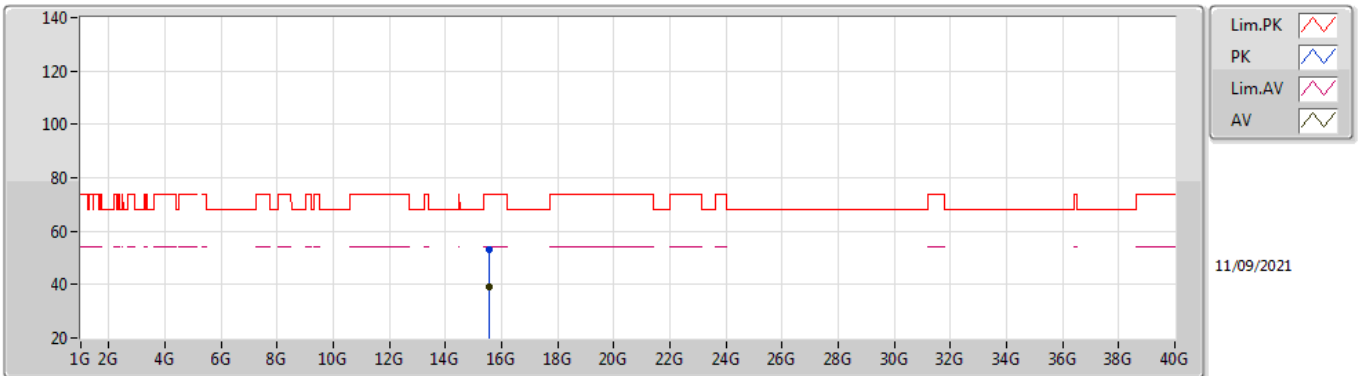


EUT Y_4TX
Setting 94
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.5521G	52.78	74.00	-21.22	39.21	3	Vertical	60	1.80	-	37.74	9.04	33.21	
AV	15.5403G	38.84	54.00	-15.16	25.22	3	Vertical	60	1.80	-	37.78	9.04	33.20	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

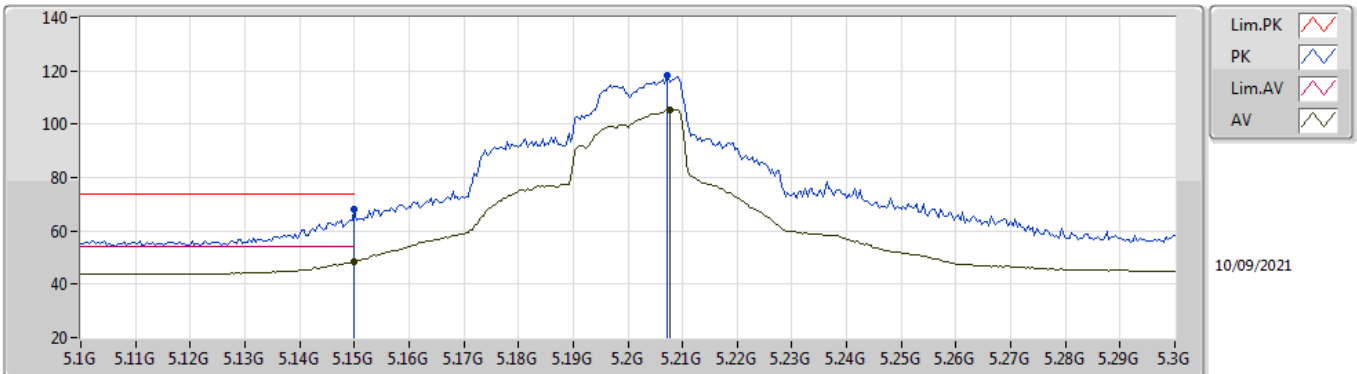


EUT Y_4TX
Setting 94
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.5542G	52.95	74.00	-21.05	39.38	3	Horizontal	249	1.01	-	37.74	9.04	33.21	
AV	15.5556G	38.95	54.00	-15.05	25.40	3	Horizontal	249	1.01	-	37.73	9.04	33.22	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

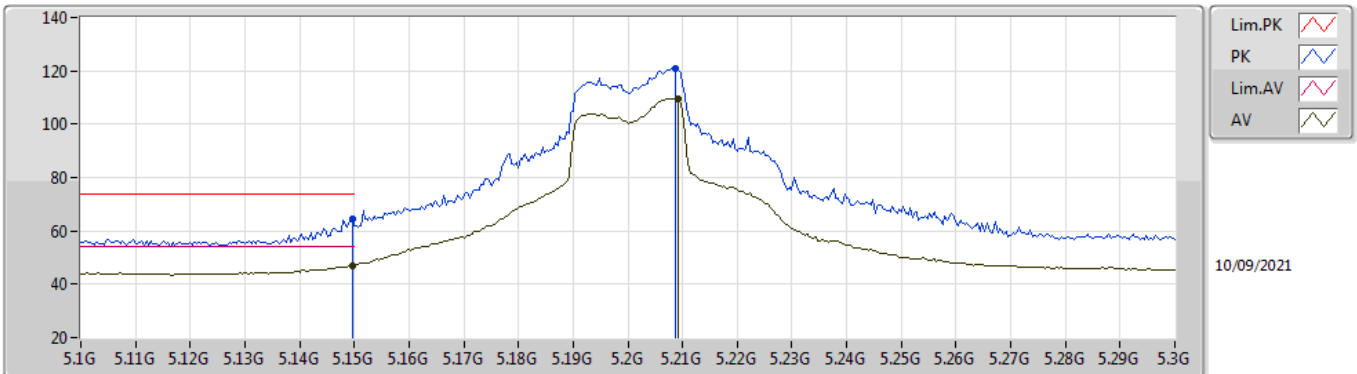


EUT Y_4TX
Setting 101
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	68.09	74.00	-5.91	61.74	3	Vertical	193	1.19	-	33.50	5.00	32.15
AV	5.15G	48.70	54.00	-5.30	42.35	3	Vertical	193	1.19	-	33.50	5.00	32.15
PK	5.2072G	118.26	Inf	-Inf	111.80	3	Vertical	193	1.19	-	33.51	5.10	32.15
AV	5.2076G	105.38	Inf	-Inf	98.91	3	Vertical	193	1.19	-	33.52	5.10	32.15

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

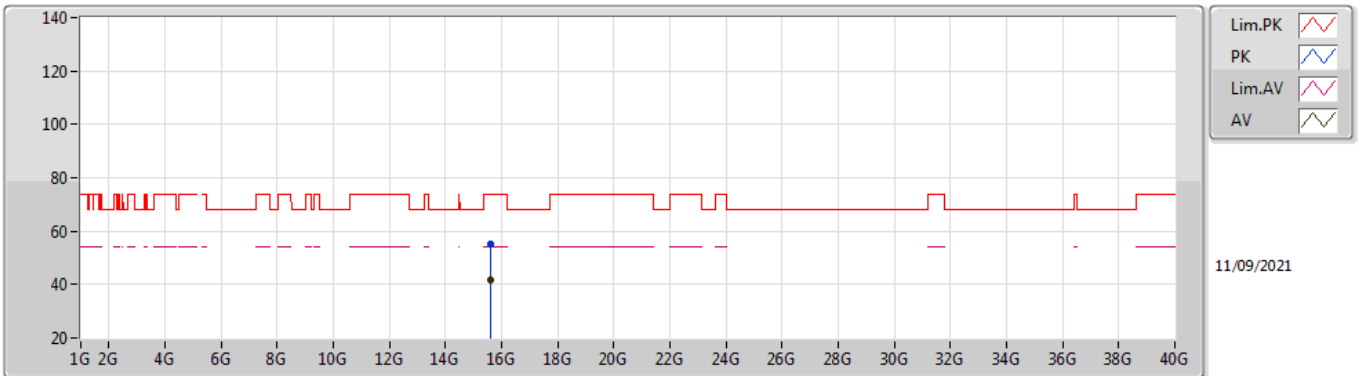


EUT_Y_4TX
Setting 101
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	64.50	74.00	-9.50	58.15	3	Horizontal	185	1.84	-	33.50	5.00	32.15
AV	5.1496G	47.00	54.00	-7.00	40.65	3	Horizontal	185	1.84	-	33.50	5.00	32.15
PK	5.2088G	121.04	Inf	-Inf	114.57	3	Horizontal	185	1.84	-	33.52	5.10	32.15
AV	5.2092G	109.70	Inf	-Inf	103.23	3	Horizontal	185	1.84	-	33.52	5.10	32.15

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

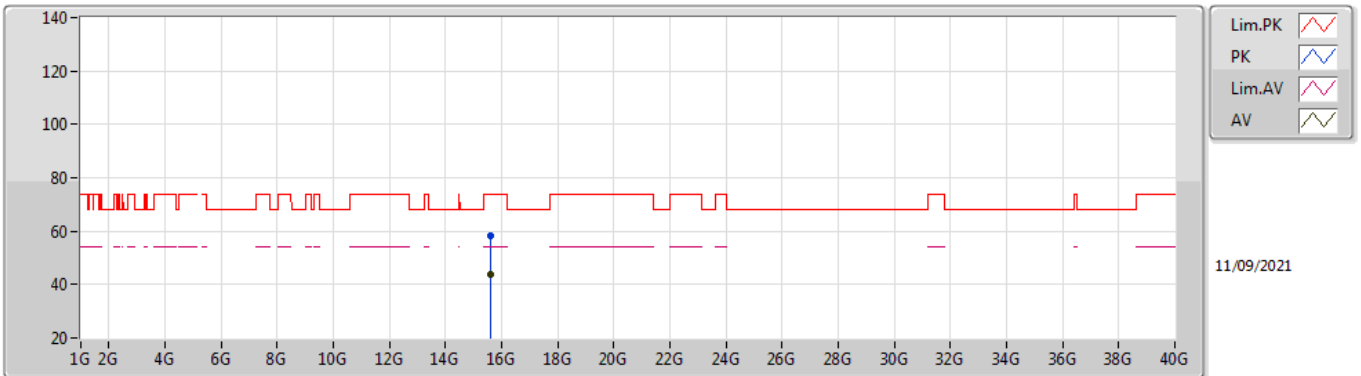


EUT Y_4TX
Setting 101
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.5887G	55.27	74.00	-18.73	41.83	3	Vertical	260	1.78	-	37.63	9.06	33.25
AV	15.5925G	41.50	54.00	-12.50	28.08	3	Vertical	260	1.78	-	37.62	9.06	33.26

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

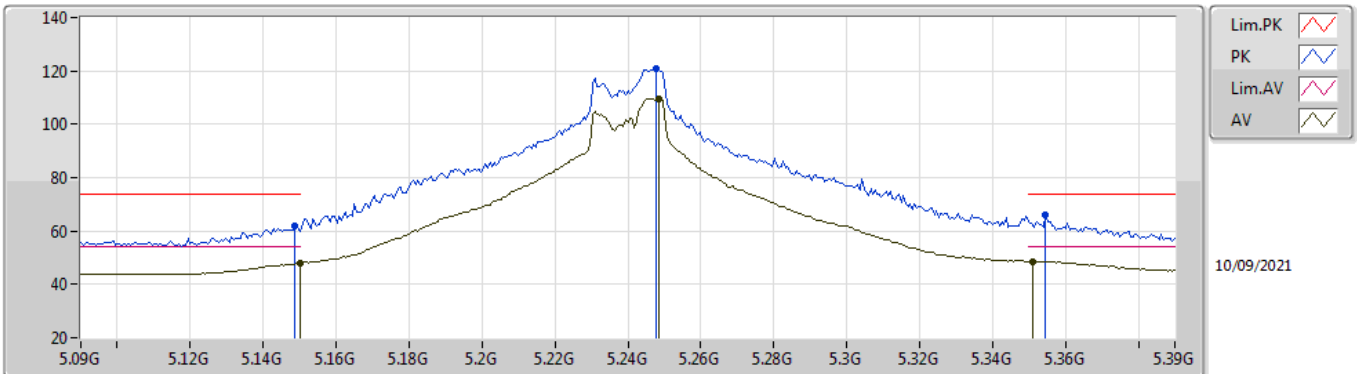


EUT Y_4TX
Setting 101
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.616G	58.08	74.00	-15.92	44.73	3	Horizontal	256	1.58	-	37.57	9.07	33.29
AV	15.5997G	43.67	54.00	-10.33	30.28	3	Horizontal	256	1.58	-	37.60	9.06	33.27

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

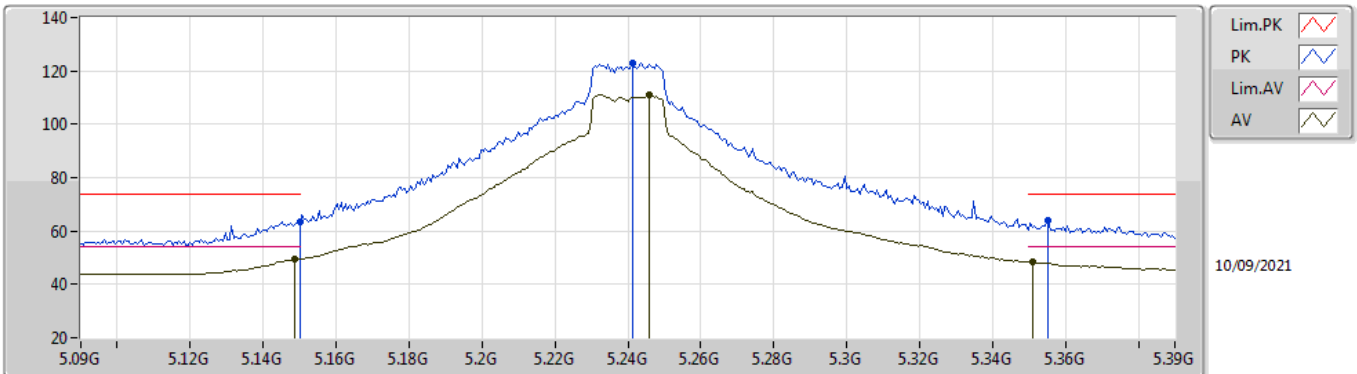


EUT V_4TX
Setting 108
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1488G	62.01	74.00	-11.99	55.66	3	Vertical	360	1.64	-	33.50	5.00	32.15
AV	5.15G	47.80	54.00	-6.20	41.45	3	Vertical	360	1.64	-	33.50	5.00	32.15
PK	5.2478G	120.96	Inf	-Inf	114.43	3	Vertical	360	1.64	-	33.60	5.08	32.15
AV	5.2484G	109.73	Inf	-Inf	103.20	3	Vertical	360	1.64	-	33.60	5.08	32.15
PK	5.3546G	65.90	74.00	-8.10	59.31	3	Vertical	360	1.64	-	33.71	5.02	32.14
AV	5.351G	48.64	54.00	-5.36	42.06	3	Vertical	360	1.64	-	33.70	5.02	32.14

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

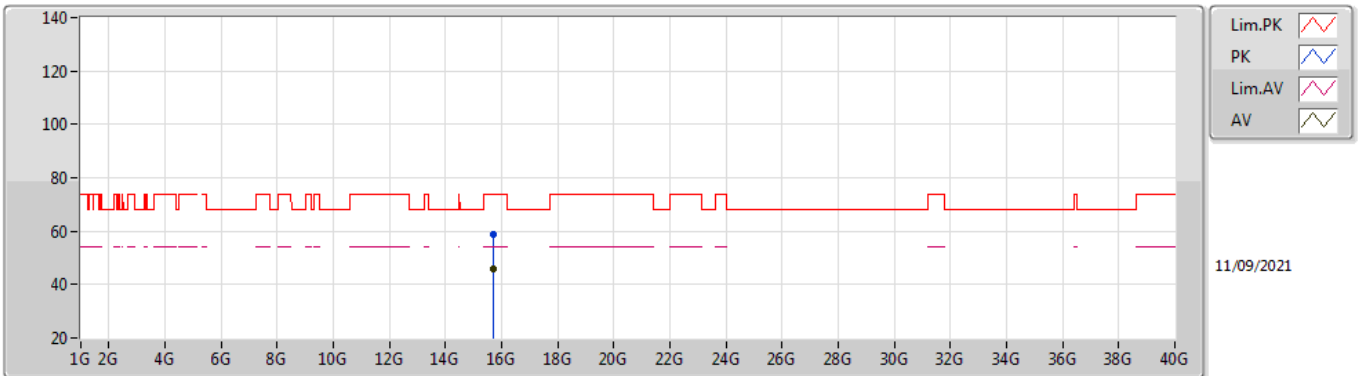


EUT V_4TX
Setting 108
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	63.44	74.00	-10.56	57.09	3	Horizontal	180	1.96	-	33.50	5.00	32.15
AV	5.1488G	49.48	54.00	-4.52	43.13	3	Horizontal	180	1.96	-	33.50	5.00	32.15
PK	5.2412G	122.98	Inf	-Inf	116.47	3	Horizontal	180	1.96	-	33.58	5.08	32.15
AV	5.246G	111.11	Inf	-Inf	104.59	3	Horizontal	180	1.96	-	33.59	5.08	32.15
PK	5.3552G	64.19	74.00	-9.81	57.60	3	Horizontal	180	1.96	-	33.71	5.02	32.14
AV	5.351G	48.37	54.00	-5.63	41.79	3	Horizontal	180	1.96	-	33.70	5.02	32.14

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

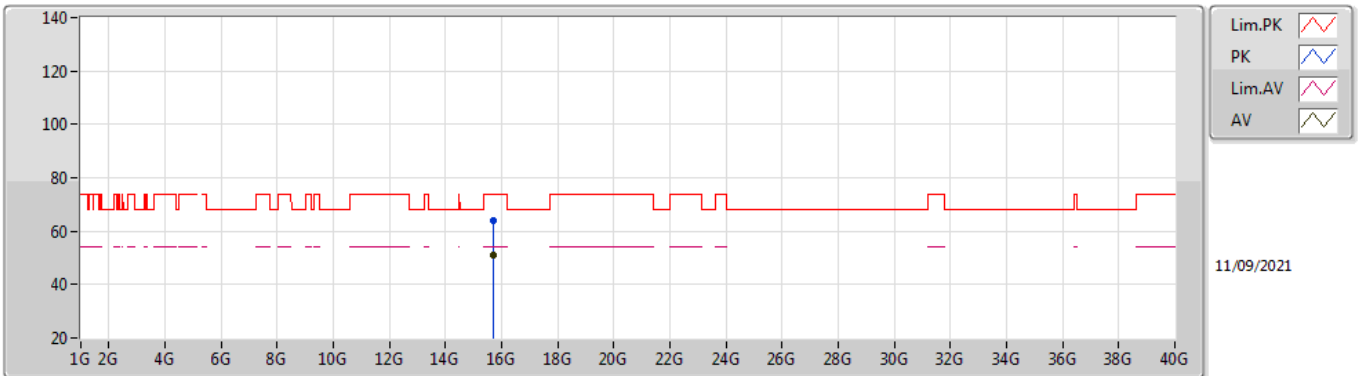


EUT Y_4TX
Setting 108
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.6981G	59.04	74.00	-14.96	45.93	3	Vertical	257	1.61	-	37.40	9.09	33.38	
AV	15.7215G	45.61	54.00	-8.39	32.52	3	Vertical	257	1.61	-	37.40	9.10	33.41	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

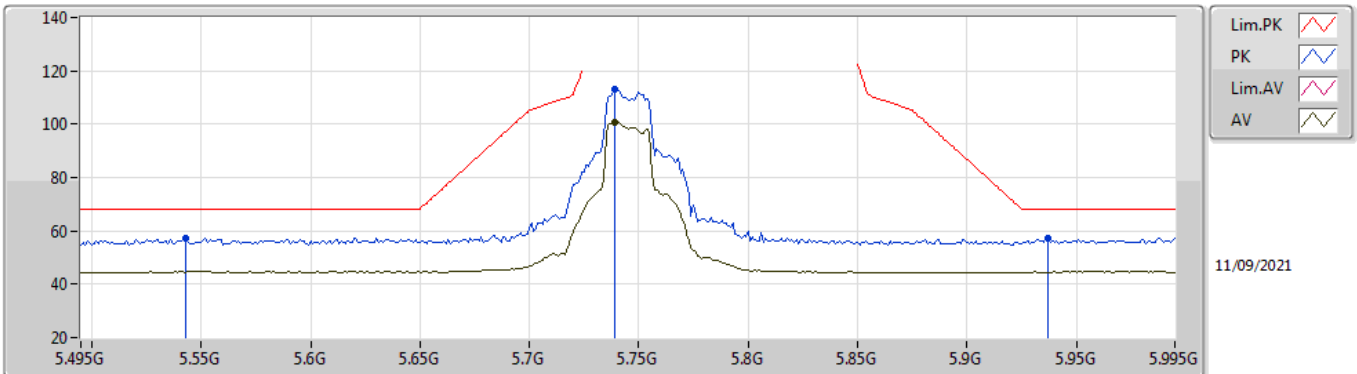


EUT Y_4TX
Setting 108
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.7203G	64.13	74.00	-9.87	51.04	3	Horizontal	262	1.80	-	37.40	9.10	33.41
AV	15.7212G	51.16	54.00	-2.84	38.07	3	Horizontal	262	1.80	-	37.40	9.10	33.41

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

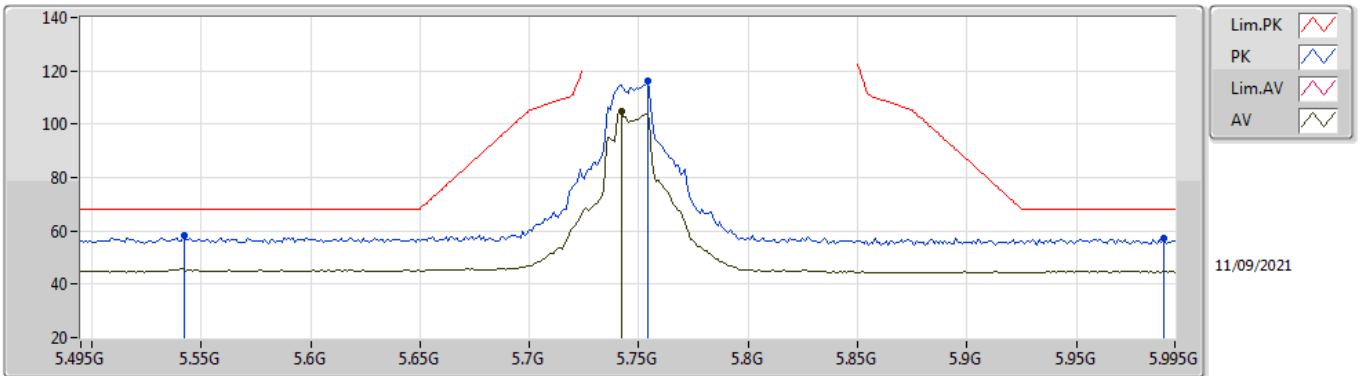


EUT Y_4TX
Setting 100
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.543G	57.33	68.20	-10.87	50.42	3	Vertical	113	1.80	-	33.90	5.14	32.13	
PK	5.739G	112.99	Inf	-Inf	106.29	3	Vertical	113	1.80	-	33.78	5.06	32.14	
AV	5.739G	100.85	Inf	-Inf	94.15	3	Vertical	113	1.80	-	33.78	5.06	32.14	
PK	5.937G	57.20	68.20	-11.00	49.88	3	Vertical	113	1.80	-	34.07	5.41	32.16	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

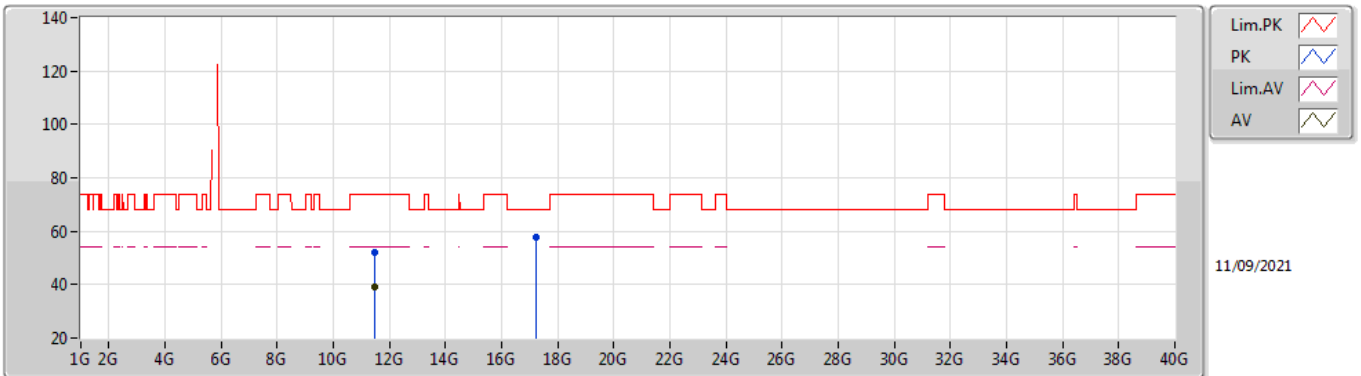


EUT Y_4TX
Setting 100
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.542G	58.30	68.20	-9.90	51.39	3	Horizontal	281	1.80	-	33.90	5.14	32.13
PK	5.754G	116.04	Inf	-Inf	109.35	3	Horizontal	281	1.80	-	33.79	5.05	32.15
AV	5.742G	104.78	Inf	-Inf	98.08	3	Horizontal	281	1.80	-	33.78	5.06	32.14
PK	5.99G	57.33	68.20	-10.87	49.82	3	Horizontal	281	1.80	-	34.10	5.57	32.16

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

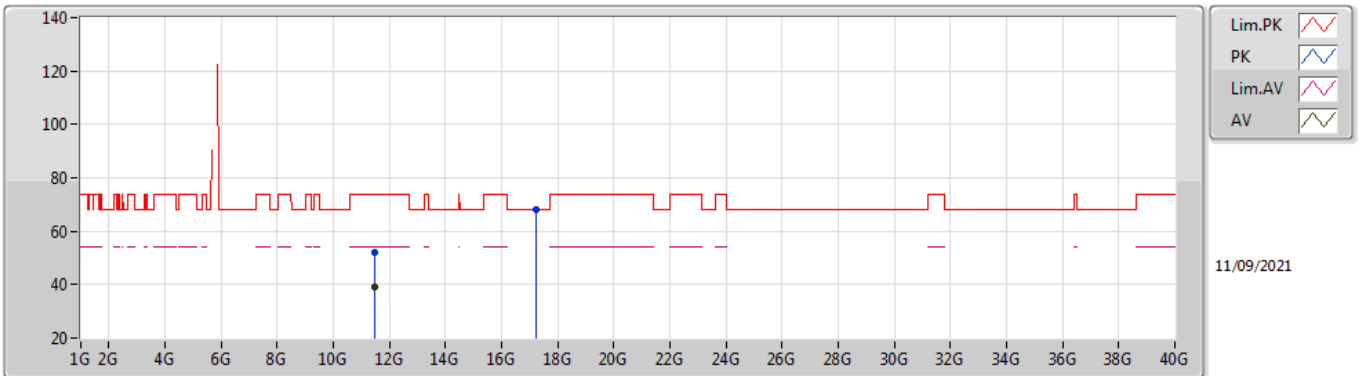


EUT Y_4TX
Setting 100
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.49204G	52.26	74.00	-21.74	38.88	3	Vertical	282	2.88	-	38.98	7.62	33.22	
AV	11.49222G	39.12	54.00	-14.88	25.74	3	Vertical	282	2.88	-	38.98	7.62	33.22	
PK	17.23836G	57.65	68.20	-10.55	39.48	3	Vertical	87	1.88	-	42.12	9.32	33.27	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

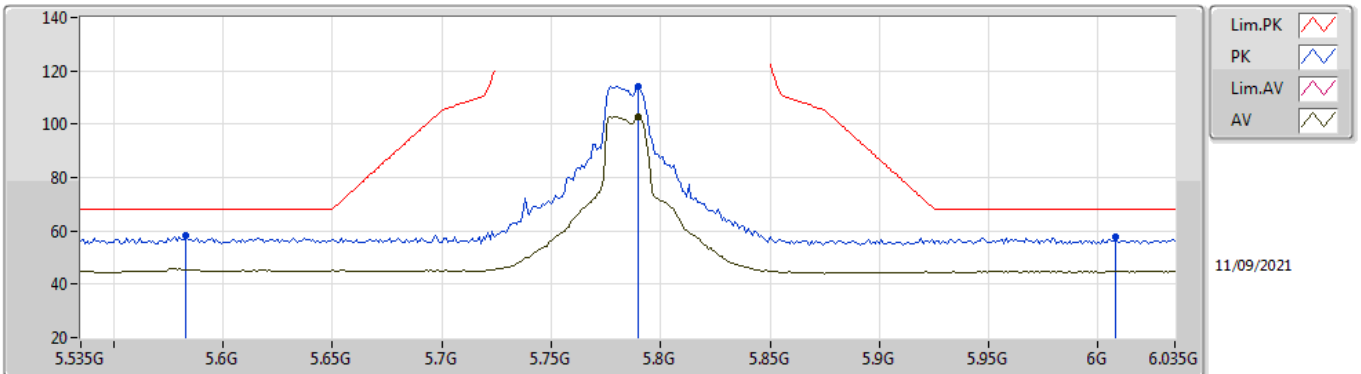


EUT Y_4TX
Setting 100
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.4943G	52.05	74.00	-21.95	38.66	3	Horizontal	13	1.18	-	38.99	7.62	33.22	
AV	11.49072G	38.98	54.00	-15.02	25.60	3	Horizontal	13	1.18	-	38.98	7.62	33.22	
PK	17.2257G	68.00	68.20	-0.20	49.88	3	Horizontal	14	1.80	-	42.08	9.32	33.28	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

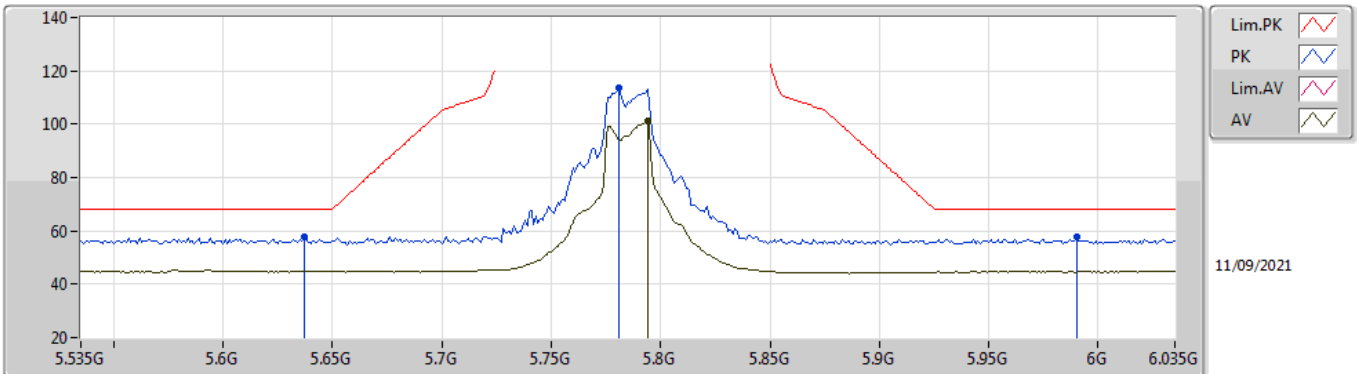


EUT Y_4TX
Setting 98
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.583G	58.20	68.20	-10.00	51.25	3	Vertical	244	1.89	-	33.90	5.18	32.13	
PK	5.79G	114.32	Inf	-Inf	107.74	3	Vertical	244	1.89	-	33.72	5.01	32.15	
AV	5.79G	103.00	Inf	-Inf	96.42	3	Vertical	244	1.89	-	33.72	5.01	32.15	
PK	6.008G	57.52	68.20	-10.68	49.96	3	Vertical	244	1.89	-	34.13	5.59	32.16	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

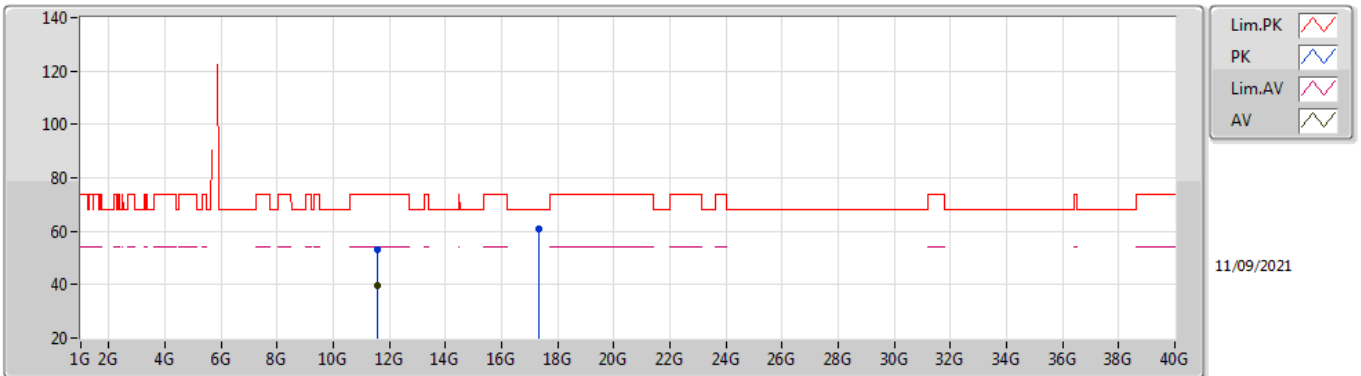


EUT Y_4TX
Setting 98
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.637G	57.76	68.20	-10.44	50.91	3	Horizontal	268	1.80	-	33.83	5.16	32.14
PK	5.781G	113.37	Inf	-Inf	106.76	3	Horizontal	268	1.80	-	33.74	5.02	32.15
AV	5.794G	101.04	Inf	-Inf	94.47	3	Horizontal	268	1.80	-	33.71	5.01	32.15
PK	5.99G	57.54	68.20	-10.66	50.03	3	Horizontal	268	1.80	-	34.10	5.57	32.16

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

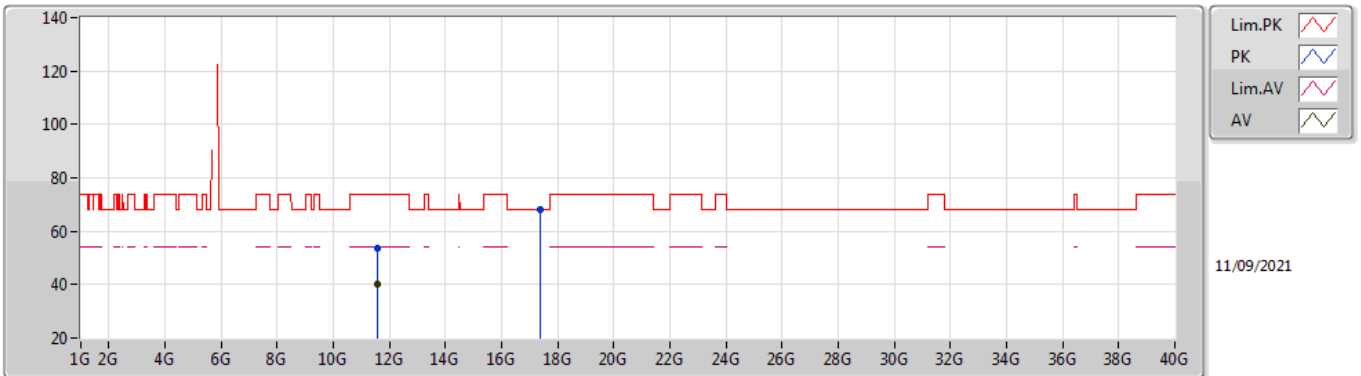


EUT Y_4TX
Setting 98
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57296G	52.90	74.00	-21.10	39.27	3	Vertical	103	2.50	-	39.22	7.65	33.24
AV	11.56746G	39.40	54.00	-14.60	25.79	3	Vertical	103	2.50	-	39.20	7.65	33.24
PK	17.347G	60.71	68.20	-7.49	41.84	3	Vertical	20	1.69	-	42.68	9.33	33.14

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

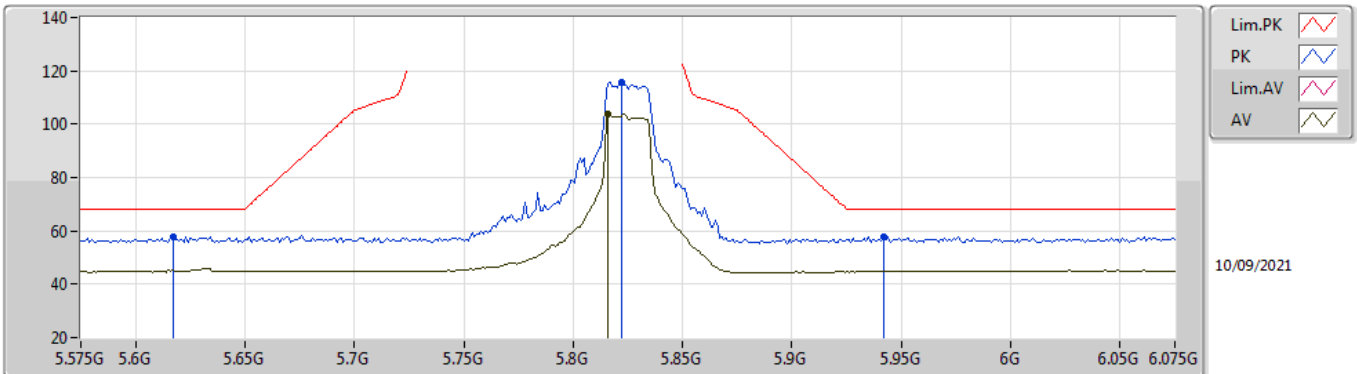


EUT Y_4TX
Setting 98
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.572G	53.40	74.00	-20.60	39.77	3	Horizontal	30	1.81	-	39.22	7.65	33.24
AV	11.5601G	40.17	54.00	-13.83	26.58	3	Horizontal	30	1.81	-	39.18	7.65	33.24
PK	17.3533G	68.19	68.20	-0.01	49.26	3	Horizontal	12	1.80	-	42.73	9.34	33.14

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

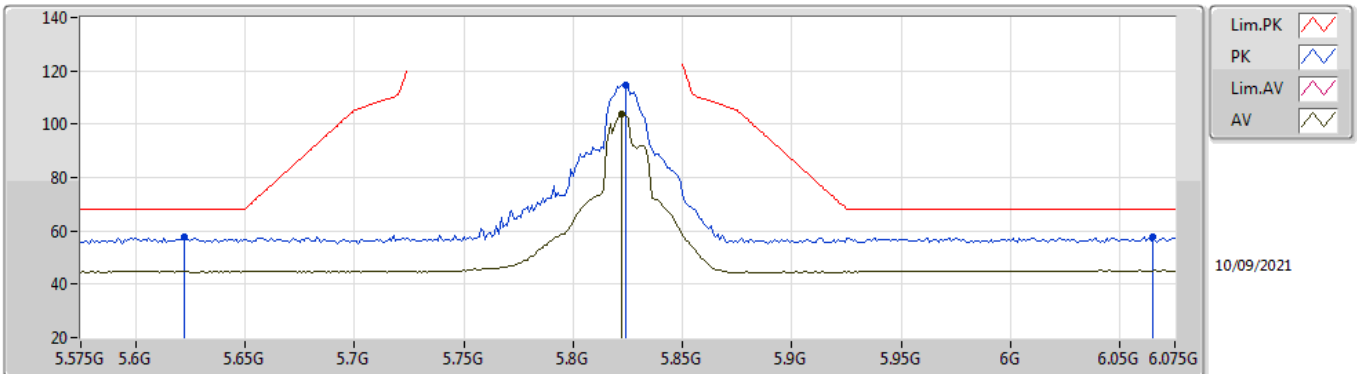


EUT Y_4TX
Setting 96
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.617G	57.94	68.20	-10.26	51.03	3	Vertical	177	1.79	-	33.87	5.18	32.14	
PK	5.822G	115.69	Inf	-Inf	109.03	3	Vertical	177	1.79	-	33.74	5.07	32.15	
AV	5.816G	103.82	Inf	-Inf	97.19	3	Vertical	177	1.79	-	33.73	5.05	32.15	
PK	5.942G	57.88	68.20	-10.32	50.53	3	Vertical	177	1.79	-	34.08	5.43	32.16	

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

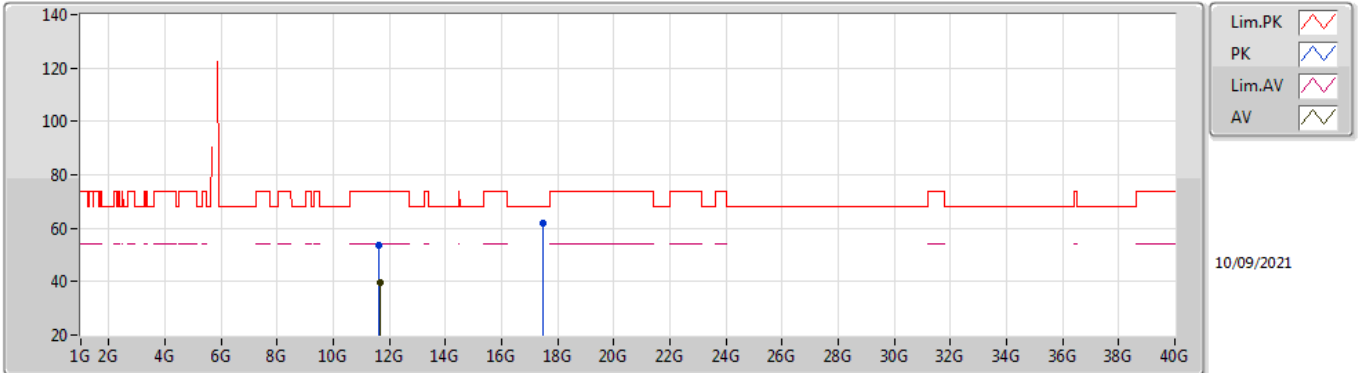


EUT Y_4TX
Setting 96
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.622G	57.90	68.20	-10.30	51.00	3	Horizontal	30	1.80	-	33.86	5.18	32.14
PK	5.824G	114.67	Inf	-Inf	108.00	3	Horizontal	30	1.80	-	33.75	5.07	32.15
AV	5.822G	103.70	Inf	-Inf	97.04	3	Horizontal	30	1.80	-	33.74	5.07	32.15
PK	6.065G	57.79	68.20	-10.41	50.12	3	Horizontal	30	1.80	-	34.33	5.50	32.16

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

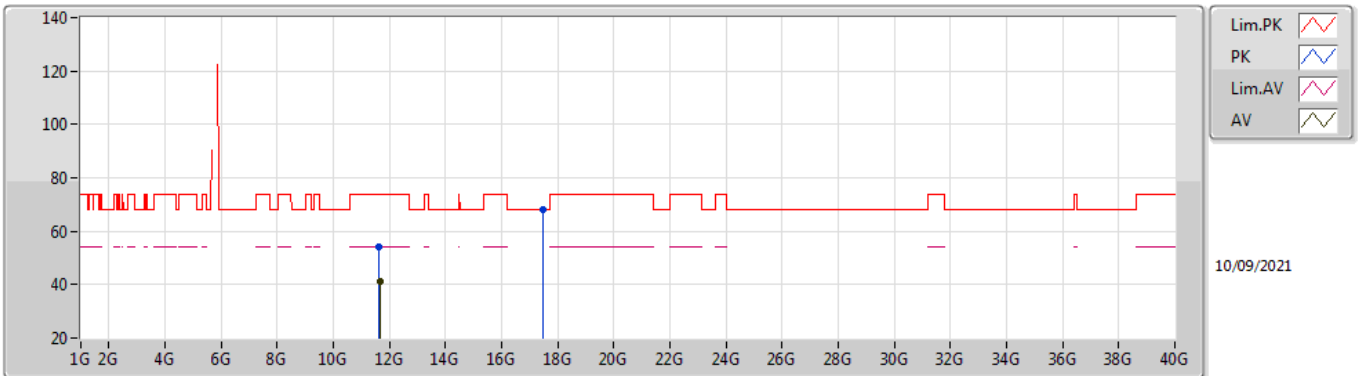


EUT Y_4TX
Setting 96
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6462G	53.54	74.00	-20.46	39.77	3	Vertical	344	1.80	-	39.35	7.68	33.26
AV	11.6567G	39.74	54.00	-14.26	25.96	3	Vertical	344	1.80	-	39.36	7.68	33.26
PK	17.4903G	61.96	68.20	-6.24	41.86	3	Vertical	215	2.22	-	43.73	9.35	32.98

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

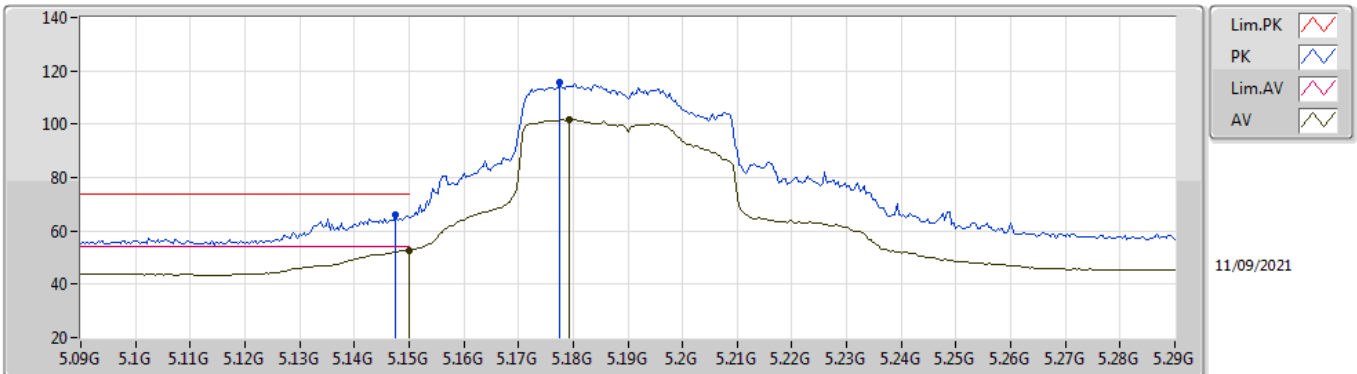


EUT Y_4TX
Setting 96
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.64528G	54.38	74.00	-19.62	40.61	3	Horizontal	23	1.80	-	39.35	7.68	33.26
AV	11.6508G	41.08	54.00	-12.92	27.31	3	Horizontal	23	1.80	-	39.35	7.68	33.26
PK	17.4833G	68.16	68.20	-0.04	48.12	3	Horizontal	46	2.32	-	43.68	9.35	32.99

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

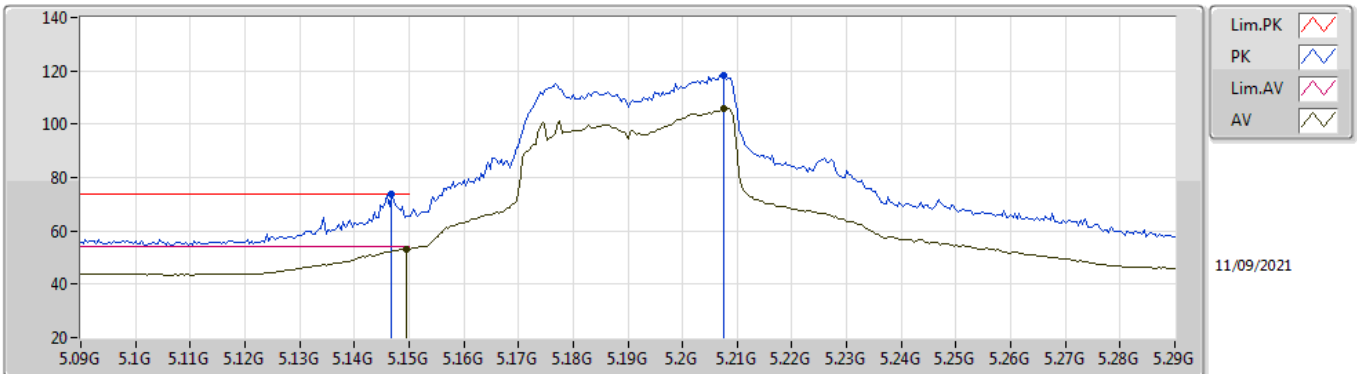


EUT Y_4TX
Setting 96
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1476G	65.93	74.00	-8.07	59.58	3	Vertical	304	1.80	-	33.50	5.00	32.15	
AV	5.15G	52.63	54.00	-1.37	46.28	3	Vertical	304	1.80	-	33.50	5.00	32.15	
PK	5.1776G	115.88	Inf	-Inf	109.47	3	Vertical	304	1.80	-	33.50	5.06	32.15	
AV	5.1792G	101.61	Inf	-Inf	95.20	3	Vertical	304	1.80	-	33.50	5.06	32.15	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

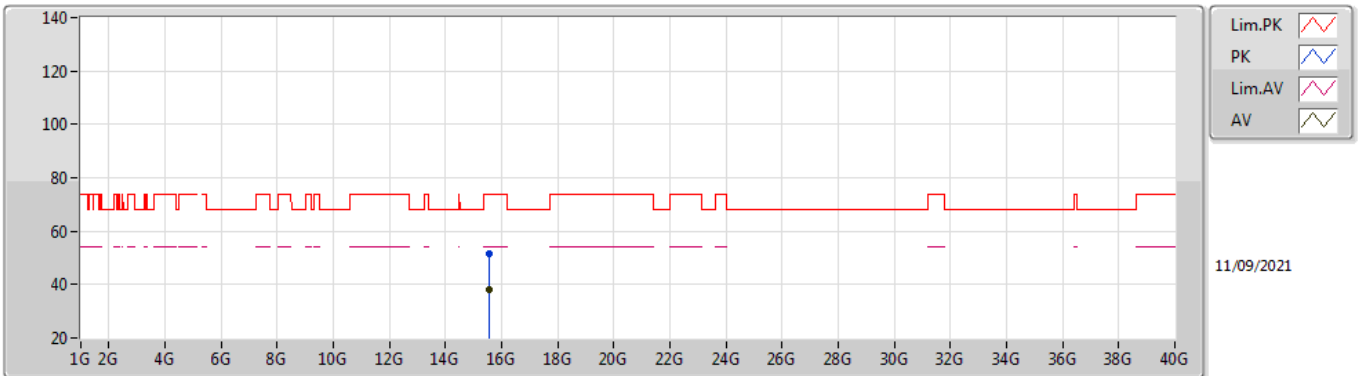


EUT_Y_4TX
Setting 96
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1468G	73.84	74.00	-0.16	67.50	3	Horizontal	233	2.05	-	33.50	4.99	32.15
AV	5.1496G	53.32	54.00	-0.68	46.97	3	Horizontal	233	2.05	-	33.50	5.00	32.15
PK	5.2076G	118.30	Inf	-Inf	111.83	3	Horizontal	233	2.05	-	33.52	5.10	32.15
AV	5.2076G	105.95	Inf	-Inf	99.48	3	Horizontal	233	2.05	-	33.52	5.10	32.15

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

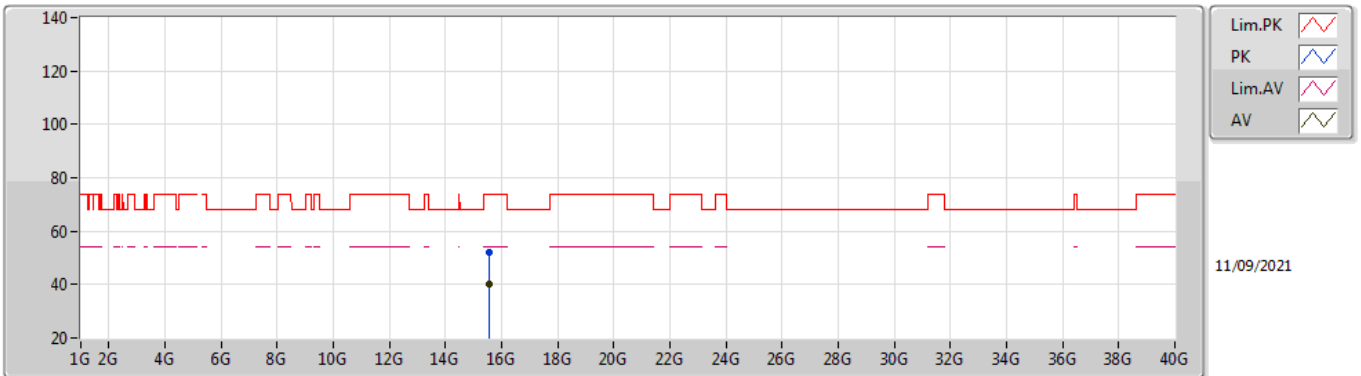


EUT Y_4TX
Setting 96
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.5713G	51.73	74.00	-22.27	38.22	3	Vertical	63	2.39	-	37.69	9.05	33.23
AV	15.5693G	38.03	54.00	-15.97	24.52	3	Vertical	63	2.39	-	37.69	9.05	33.23

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

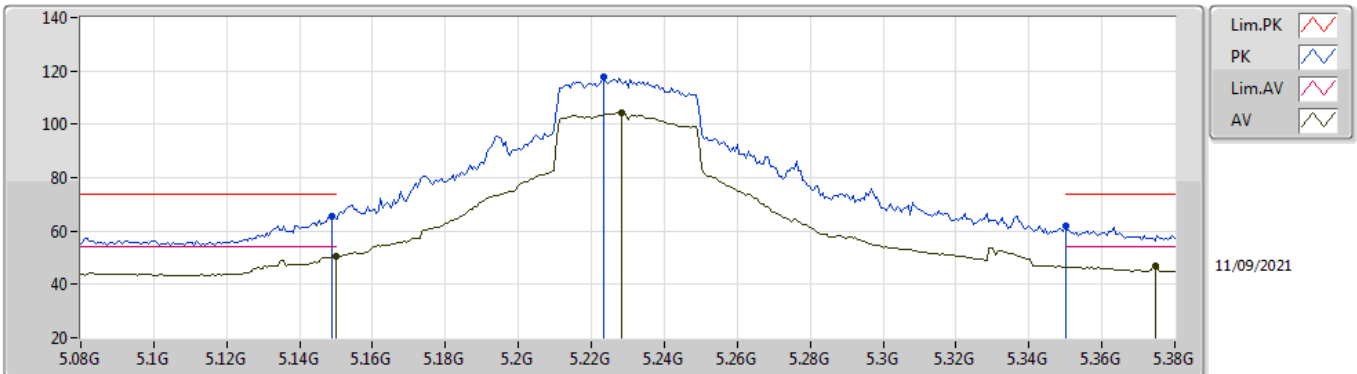


EUT Y_4TX
Setting 96
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.5704G	52.11	74.00	-21.89	38.60	3	Horizontal	354	2.62	-	37.69	9.05	33.23	
AV	15.5741G	40.06	54.00	-13.94	26.57	3	Horizontal	354	2.62	-	37.68	9.05	33.24	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

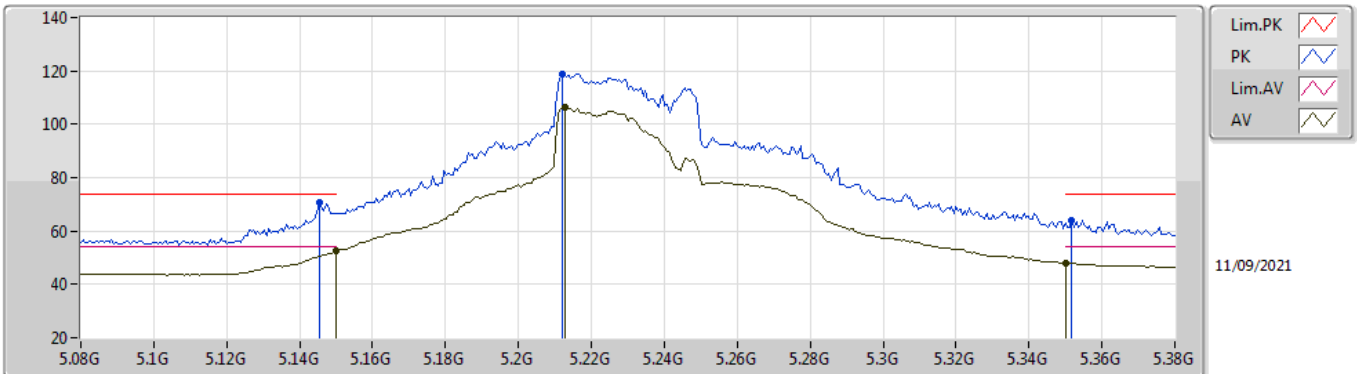


EUT V_4TX
Setting 106
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.149G	65.71	74.00	-8.29	59.36	3	Vertical	306	1.56	-	33.50	5.00	32.15
AV	5.15G	50.65	54.00	-3.35	44.30	3	Vertical	306	1.56	-	33.50	5.00	32.15
PK	5.2234G	117.99	Inf	-Inf	111.50	3	Vertical	306	1.56	-	33.55	5.09	32.15
AV	5.2282G	104.08	Inf	-Inf	97.58	3	Vertical	306	1.56	-	33.56	5.09	32.15
PK	5.35G	61.87	74.00	-12.13	55.28	3	Vertical	306	1.56	-	33.70	5.03	32.14
AV	5.3746G	46.99	54.00	-7.01	40.37	3	Vertical	306	1.56	-	33.75	5.01	32.14

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

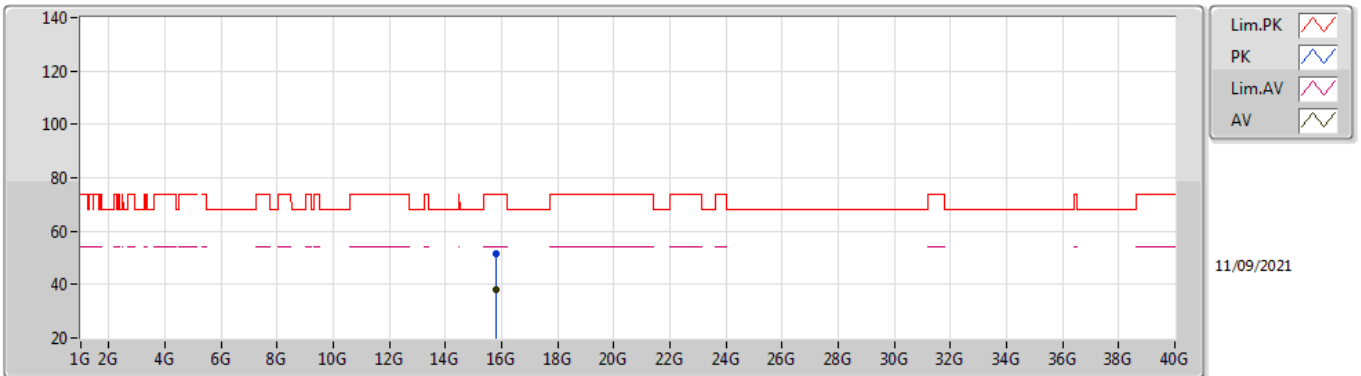


EUT Y_4TX
Setting 106
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1454G	70.72	74.00	-3.28	64.38	3	Horizontal	235	1.98	-	33.50	4.99	32.15
AV	5.15G	52.41	54.00	-1.59	46.06	3	Horizontal	235	1.98	-	33.50	5.00	32.15
PK	5.212G	118.74	Inf	-Inf	112.28	3	Horizontal	235	1.98	-	33.52	5.09	32.15
AV	5.2126G	106.19	Inf	-Inf	99.72	3	Horizontal	235	1.98	-	33.53	5.09	32.15
PK	5.3518G	64.01	74.00	-9.99	57.43	3	Horizontal	235	1.98	-	33.70	5.02	32.14
AV	5.35G	47.93	54.00	-6.07	41.34	3	Horizontal	235	1.98	-	33.70	5.03	32.14

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

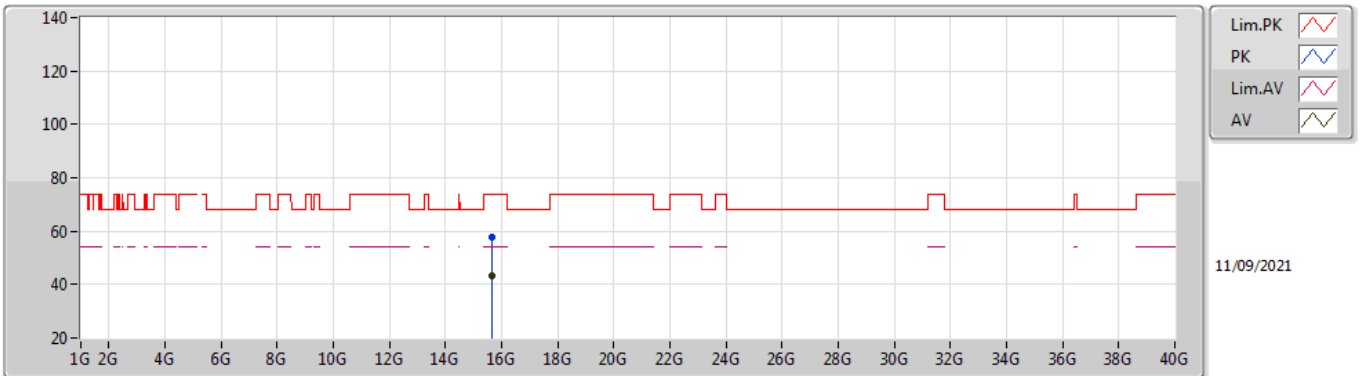


EUT Y_4TX
Setting 106
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.80988G	51.31	74.00	-22.69	38.29	3	Vertical	316	2.11	-	37.41	9.13	33.52
AV	15.78336G	38.23	54.00	-15.77	25.19	3	Vertical	316	2.11	-	37.40	9.12	33.48

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

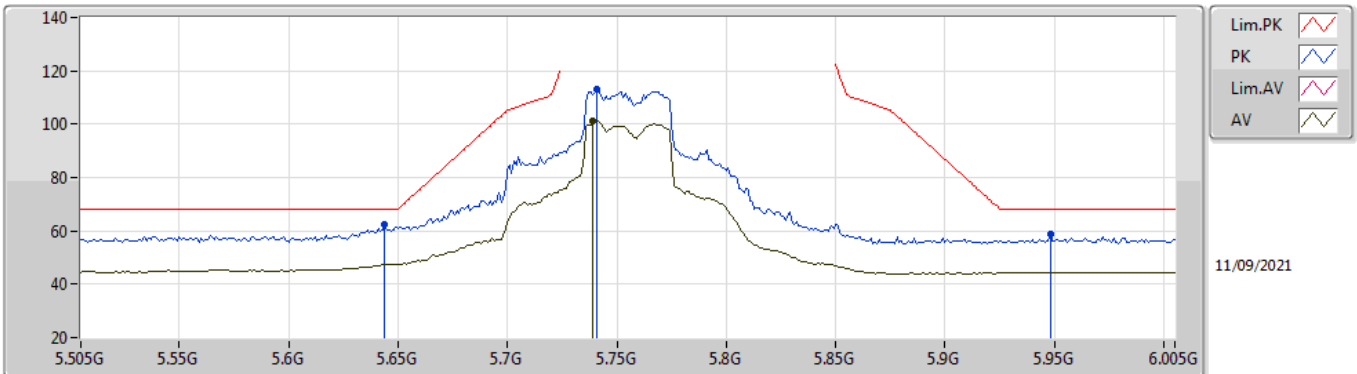


EUT Y_4TX
Setting 106
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.66084G	57.68	74.00	-16.32	44.46	3	Horizontal	264	1.80	-	37.48	9.08	33.34
AV	15.66708G	43.41	54.00	-10.59	30.21	3	Horizontal	264	1.80	-	37.47	9.08	33.35

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

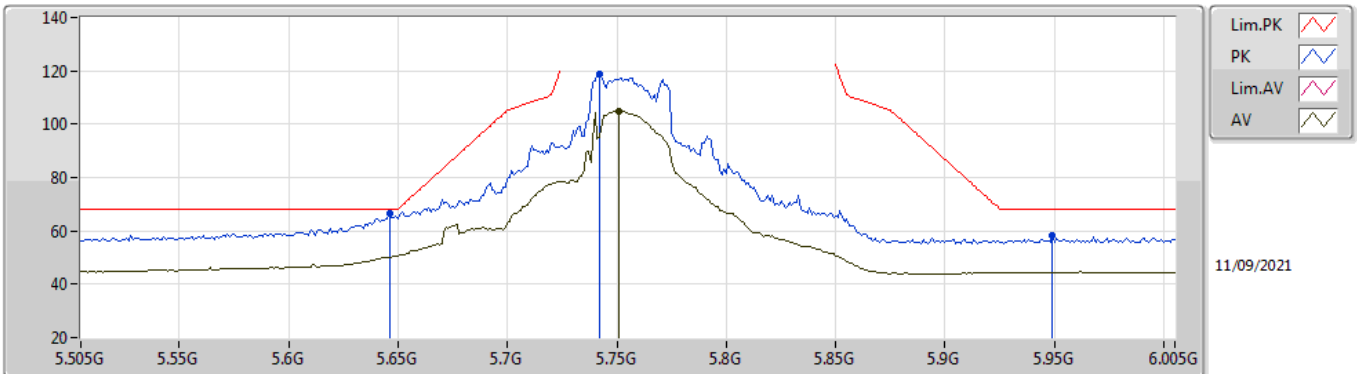


EUT_Y_4TX
Setting 107
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.644G	62.43	68.20	-5.77	55.60	3	Vertical	284	1.75	-	33.81	5.16	32.14	
PK	5.741G	113.12	Inf	-Inf	106.42	3	Vertical	284	1.75	-	33.78	5.06	32.14	
AV	5.739G	101.32	Inf	-Inf	94.62	3	Vertical	284	1.75	-	33.78	5.06	32.14	
PK	5.948G	58.61	68.20	-9.59	51.23	3	Vertical	284	1.75	-	34.10	5.44	32.16	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

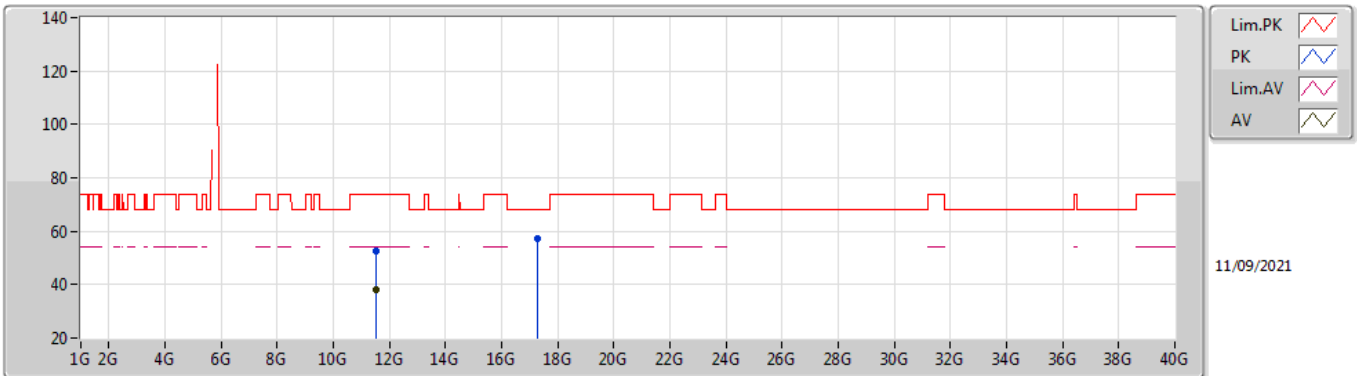


EUT_V_4TX
Setting 107
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.646G	66.40	68.20	-1.80	59.58	3	Horizontal	280	1.61	-	33.81	5.15	32.14	
PK	5.742G	118.84	Inf	-Inf	112.14	3	Horizontal	280	1.61	-	33.78	5.06	32.14	
AV	5.751G	104.81	Inf	-Inf	98.11	3	Horizontal	280	1.61	-	33.80	5.05	32.15	
PK	5.949G	58.09	68.20	-10.11	50.70	3	Horizontal	280	1.61	-	34.10	5.45	32.16	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

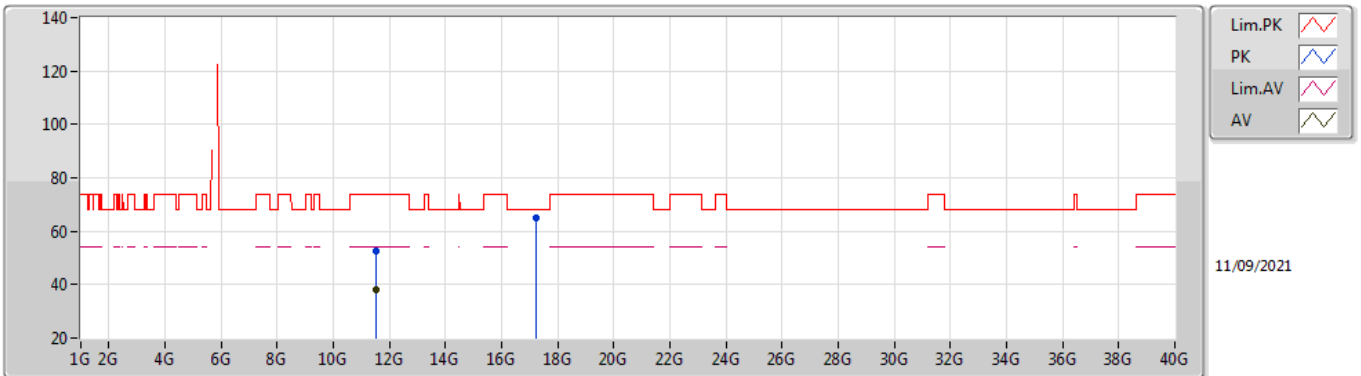


EUT Y_4TX
Setting 107
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.51294G	52.40	74.00	-21.60	38.95	3	Vertical	182	2.01	-	39.04	7.63	33.22
AV	11.5111G	38.24	54.00	-15.76	24.80	3	Vertical	182	2.01	-	39.03	7.63	33.22
PK	17.26512G	57.20	68.20	-11.00	38.91	3	Vertical	164	2.06	-	42.20	9.33	33.24

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

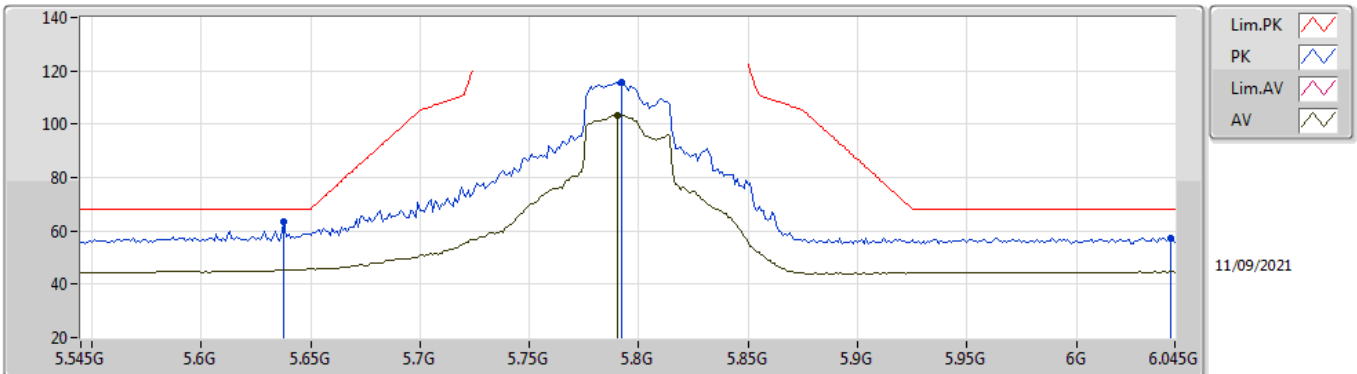


EUT Y_4TX
Setting 107
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5079G	52.65	74.00	-21.35	39.22	3	Horizontal	242	1.56	-	39.02	7.63	33.22
AV	11.51288G	38.28	54.00	-15.72	24.83	3	Horizontal	242	1.56	-	39.04	7.63	33.22
PK	17.25324G	65.05	68.20	-3.15	46.81	3	Horizontal	43	1.80	-	42.16	9.33	33.25

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

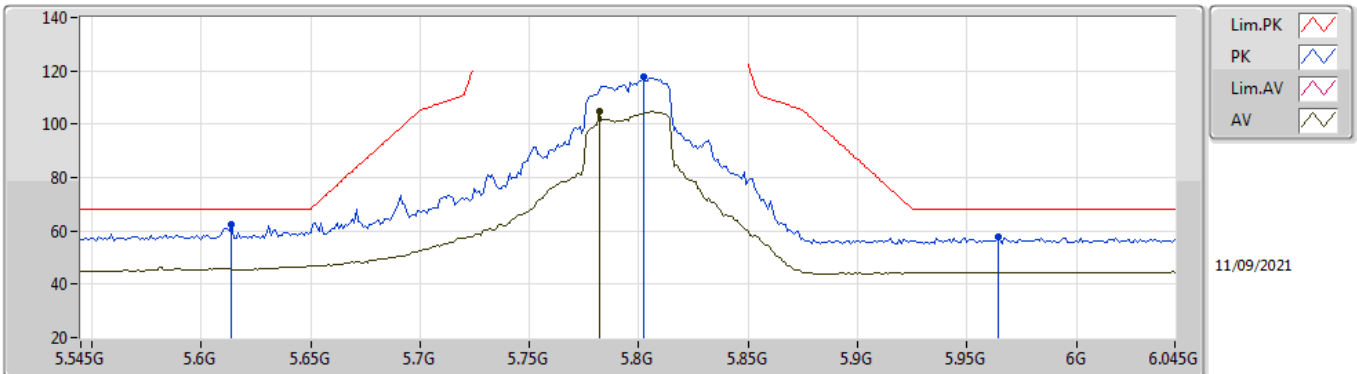


EUT Y_4TX
Setting 107
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.638G	63.70	68.20	-4.50	56.86	3	Vertical	310.4	1.81	-	33.82	5.16	32.14
PK	5.792G	115.77	Inf	-Inf	109.19	3	Vertical	310.4	1.81	-	33.72	5.01	32.15
AV	5.79G	103.52	Inf	-Inf	96.94	3	Vertical	310.4	1.81	-	33.72	5.01	32.15
PK	6.043G	57.44	68.20	-10.76	49.79	3	Vertical	310.4	1.81	-	34.27	5.54	32.16

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

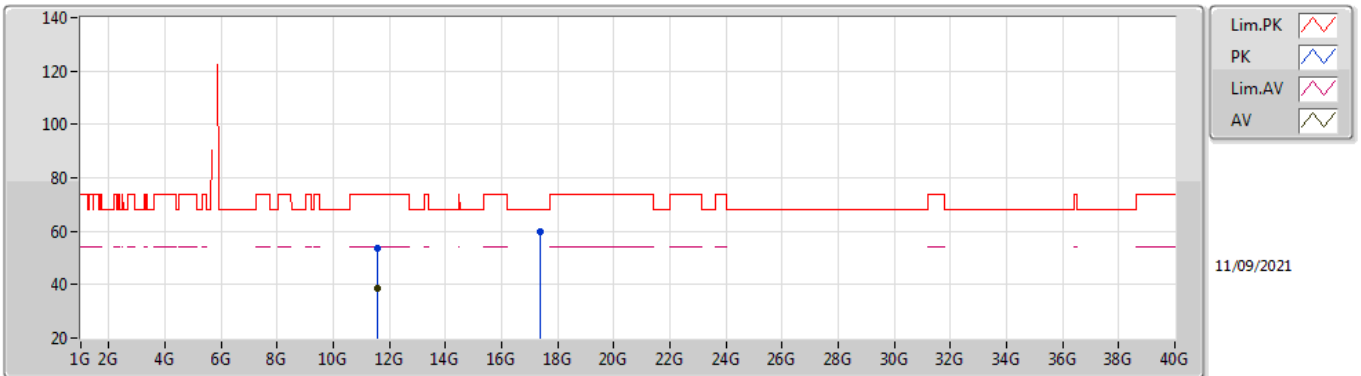


EUT Y_4TX
Setting 107
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.614G	62.23	68.20	-5.97	55.31	3	Horizontal	278	1.67	-	33.87	5.19	32.14	
PK	5.802G	117.51	Inf	-Inf	110.95	3	Horizontal	278	1.67	-	33.70	5.01	32.15	
AV	5.782G	104.98	Inf	-Inf	98.37	3	Horizontal	278	1.67	-	33.74	5.02	32.15	
PK	5.964G	57.94	68.20	-10.26	50.51	3	Horizontal	278	1.67	-	34.10	5.49	32.16	

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

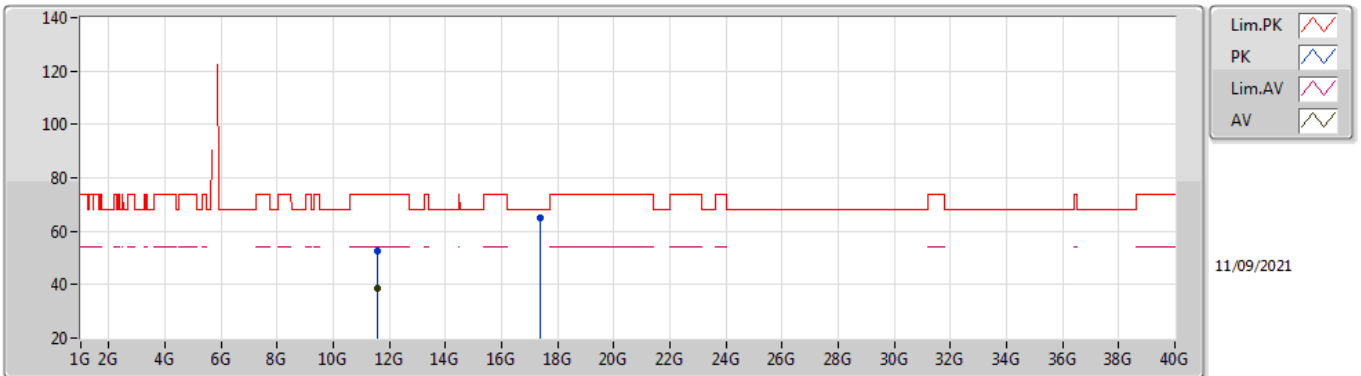


EUT Y_4TX
Setting 107
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.58918G	53.58	74.00	-20.42	39.89	3	Vertical	340	2.75	-	39.27	7.66	33.24
AV	11.58954G	38.54	54.00	-15.46	24.85	3	Vertical	340	2.75	-	39.27	7.66	33.24
PK	17.37096G	59.75	68.20	-8.45	40.66	3	Vertical	219	1.80	-	42.87	9.34	33.12

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

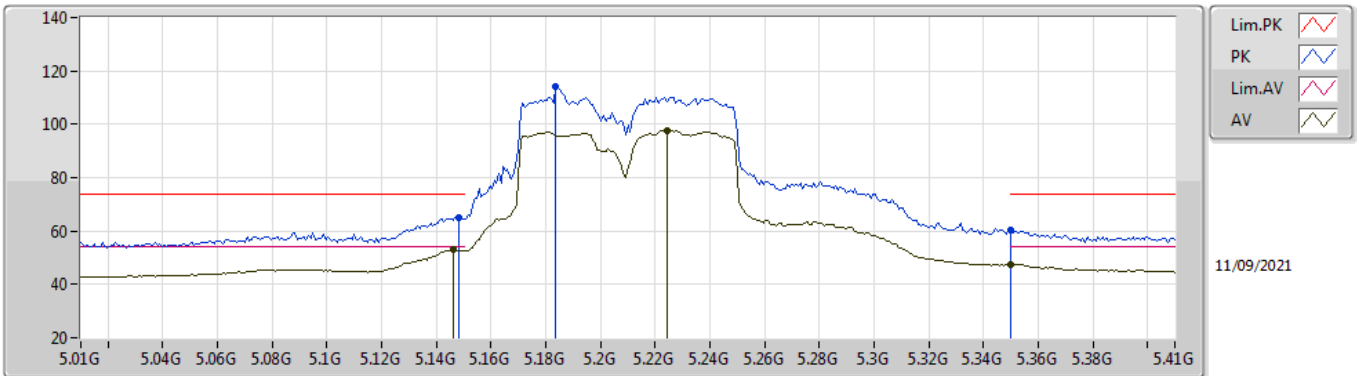


EUT Y_4TX
Setting 107
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5949G	52.73	74.00	-21.27	39.03	3	Horizontal	109	1.23	-	39.28	7.66	33.24
AV	11.58582G	38.58	54.00	-15.42	24.90	3	Horizontal	109	1.23	-	39.26	7.66	33.24
PK	17.39484G	64.95	68.20	-3.25	45.64	3	Horizontal	12	1.78	-	43.06	9.34	33.09

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

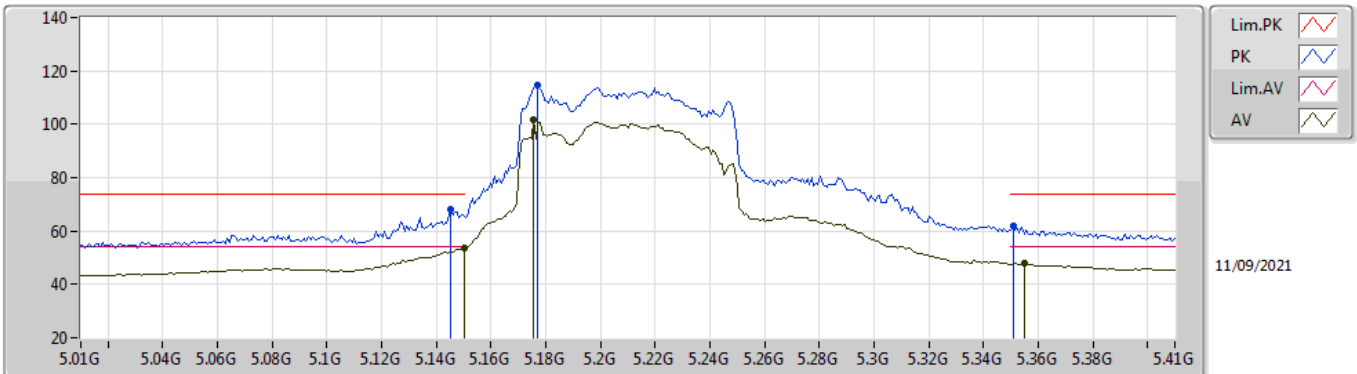


EUT_Y_4TX
Setting 95
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1484G	65.18	74.00	-8.82	58.83	3	Vertical	303	1.77	-	33.50	5.00	32.15
AV	5.146G	52.85	54.00	-1.15	46.51	3	Vertical	303	1.77	-	33.50	4.99	32.15
PK	5.1836G	114.13	Inf	-Inf	107.71	3	Vertical	303	1.77	-	33.50	5.07	32.15
AV	5.2244G	97.75	Inf	-Inf	91.26	3	Vertical	303	1.77	-	33.55	5.09	32.15
PK	5.35G	60.32	74.00	-13.68	53.73	3	Vertical	303	1.77	-	33.70	5.03	32.14
AV	5.35G	47.67	54.00	-6.33	41.08	3	Vertical	303	1.77	-	33.70	5.03	32.14

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

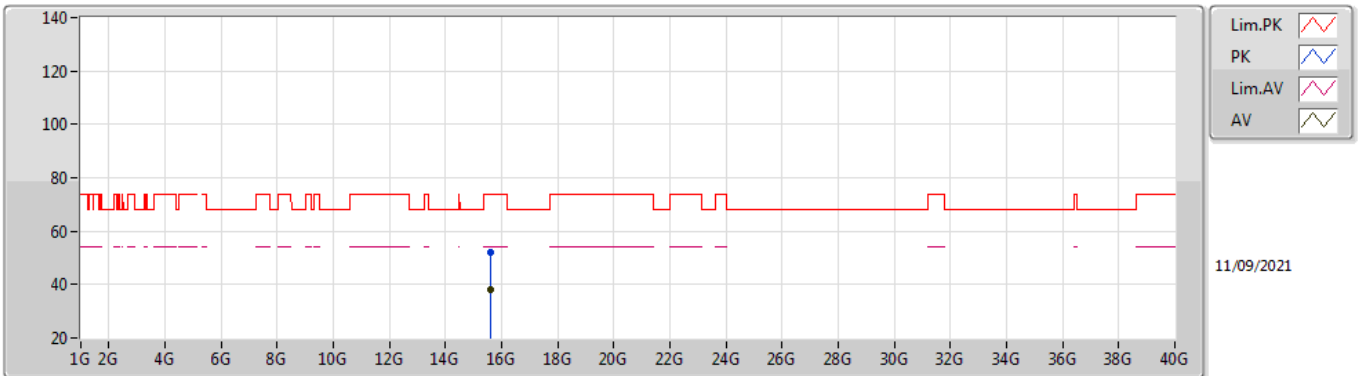


EUT_V_4TX
Setting 95
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1452G	67.91	74.00	-6.09	61.57	3	Horizontal	237.4	2.35	-	33.50	4.99	32.15
AV	5.15G	53.72	54.00	-0.28	47.37	3	Horizontal	237.4	2.35	-	33.50	5.00	32.15
PK	5.1772G	114.80	Inf	-Inf	108.40	3	Horizontal	237.4	2.35	-	33.50	5.05	32.15
AV	5.1756G	101.51	Inf	-Inf	95.11	3	Horizontal	237.4	2.35	-	33.50	5.05	32.15
PK	5.3508G	61.74	74.00	-12.26	55.16	3	Horizontal	237.4	2.35	-	33.70	5.02	32.14
AV	5.3548G	47.69	54.00	-6.31	41.10	3	Horizontal	237.4	2.35	-	33.71	5.02	32.14

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

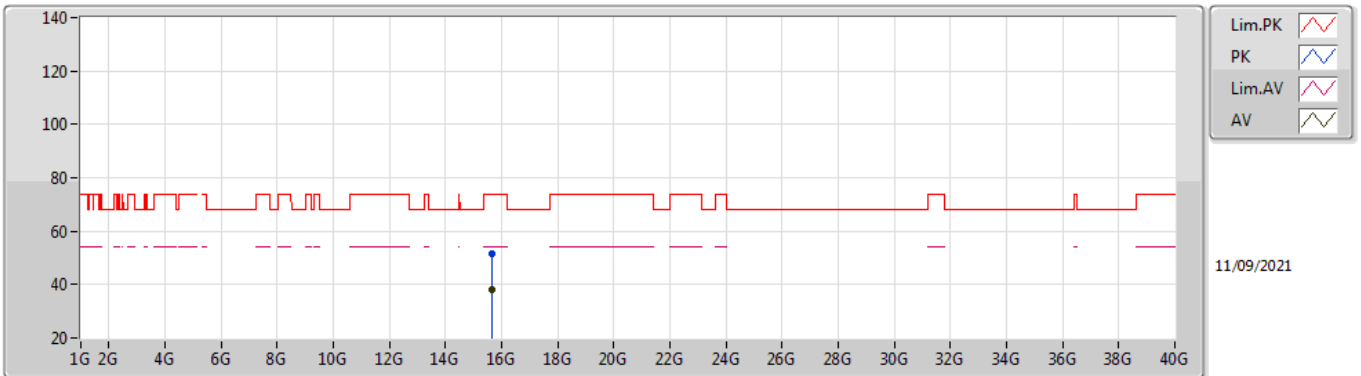


EUT Y_4TX
Setting 95
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.62638G	51.83	74.00	-22.17	38.51	3	Vertical	189	1.93	-	37.55	9.07	33.30
AV	15.62546G	37.95	54.00	-16.05	24.63	3	Vertical	189	1.93	-	37.55	9.07	33.30

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

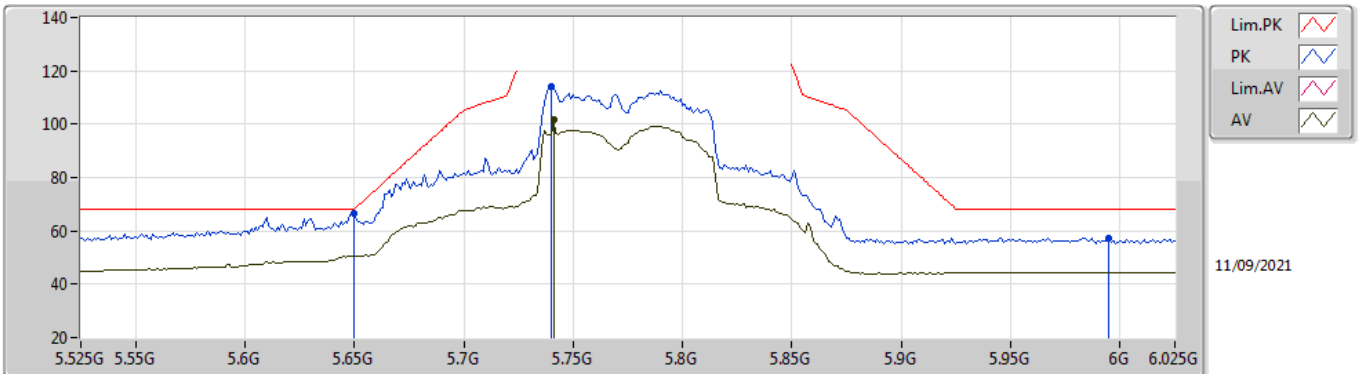


EUT Y_4TX
Setting 95
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.63302G	51.69	74.00	-22.31	38.40	3	Horizontal	130	1.49	-	37.53	9.07	33.31	
AV	15.63452G	37.89	54.00	-16.11	24.60	3	Horizontal	130	1.49	-	37.53	9.07	33.31	

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

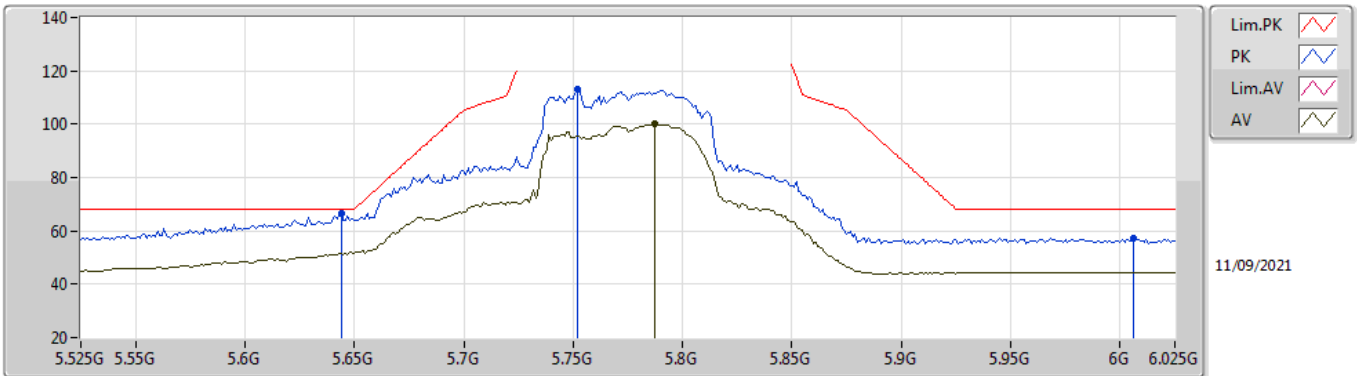


EUT Y_4TX
Setting 103
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65G	66.55	68.20	-1.65	59.74	3	Vertical	312	1.63	-	33.80	5.15	32.14
PK	5.74G	113.92	Inf	-Inf	107.22	3	Vertical	312	1.63	-	33.78	5.06	32.14
AV	5.741G	101.48	Inf	-Inf	94.78	3	Vertical	312	1.63	-	33.78	5.06	32.14
PK	5.995G	57.23	68.20	-10.97	49.70	3	Vertical	312	1.63	-	34.10	5.59	32.16

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

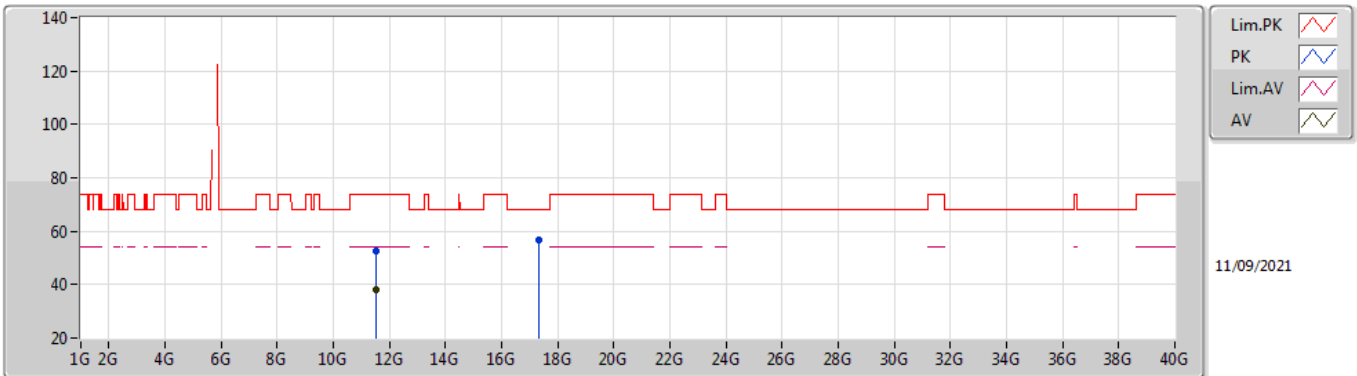


EUT Y_4TX
Setting 103
02-B-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.644G	66.77	68.20	-1.43	59.94	3	Horizontal	6.3	2.08	-	33.81	5.16	32.14	
PK	5.752G	113.05	Inf	-Inf	106.35	3	Horizontal	6.3	2.08	-	33.80	5.05	32.15	
AV	5.787G	100.01	Inf	-Inf	93.42	3	Horizontal	6.3	2.08	-	33.73	5.01	32.15	
PK	6.006G	57.46	68.20	-10.74	49.91	3	Horizontal	6.3	2.08	-	34.12	5.59	32.16	

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

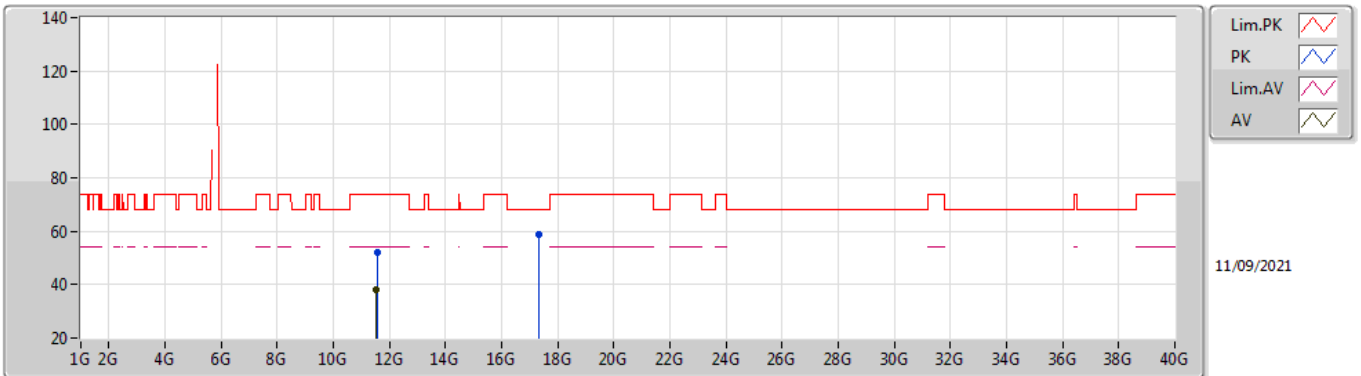


EUT Y_4TX
Setting 103
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.54814G	52.47	74.00	-21.53	38.92	3	Vertical	197	1.67	-	39.14	7.64	33.23
AV	11.5466G	38.06	54.00	-15.94	24.51	3	Vertical	197	1.67	-	39.14	7.64	33.23
PK	17.33736G	56.91	68.20	-11.29	38.14	3	Vertical	228	2.38	-	42.60	9.33	33.16

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5775MHz_TnomVnom



EUT Y_4TX
Setting 103
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.55032G	52.10	74.00	-21.90	38.54	3	Horizontal	38	1.48	-	39.15	7.64	33.23
AV	11.54668G	38.16	54.00	-15.84	24.61	3	Horizontal	38	1.48	-	39.14	7.64	33.23
PK	17.3376G	58.64	68.20	-9.56	39.87	3	Horizontal	32	1.80	-	42.60	9.33	33.16

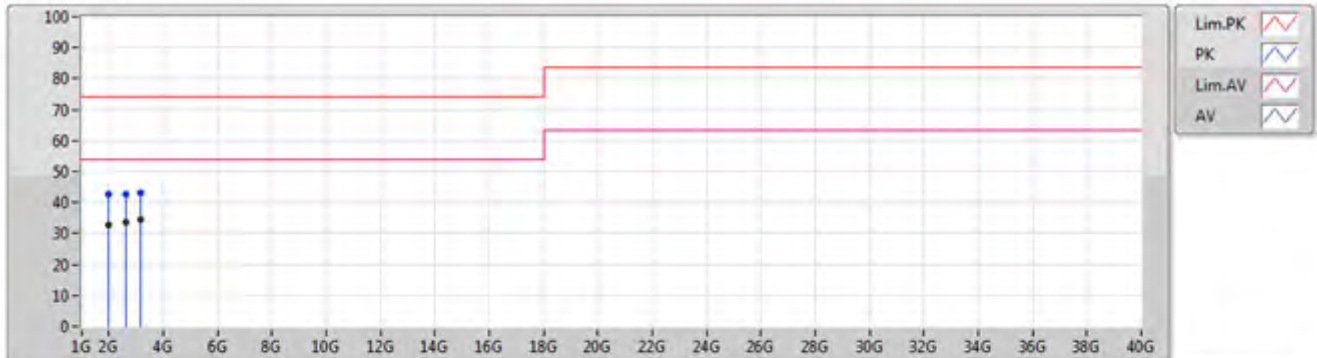


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	3.14238G	35.24	54.00	-18.76	Horizontal

Mode 1

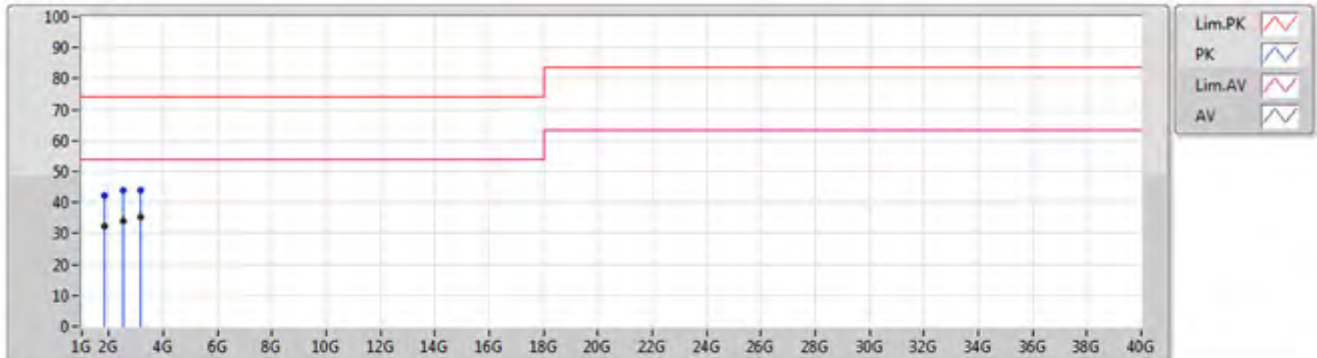
16/09/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	1.9715G	42.46	74.00	-31.54	0.69	3	Vertical	41	3.00	-	41.77	30.89	5.67	35.87
AV	1.9715G	32.89	54.00	-21.11	0.69	3	Vertical	41	3.00	-	32.20	30.89	5.67	35.87
PK	2.63125G	42.46	74.00	-31.54	2.67	3	Vertical	18	1.00	-	39.79	32.46	6.43	36.22
AV	2.63125G	33.77	54.00	-20.23	2.67	3	Vertical	18	1.00	-	31.10	32.46	6.43	36.22
PK	3.175G	42.98	74.00	-31.02	3.83	3	Vertical	360	2.00	-	39.15	33.05	6.97	36.19
AV	3.175G	34.63	54.00	-19.37	3.83	3	Vertical	360	2.00	"Worst"	30.80	33.05	6.97	36.19

Mode 1

16/09/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	1.83013G	42.43	74.00	-31.57	0.28	3	Horizontal	8	2.00	-	42.15	30.70	5.53	35.95
AV	1.83013G	32.48	54.00	-21.52	0.28	3	Horizontal	8	2.00	-	32.20	30.70	5.53	35.95
PK	2.52975G	43.91	74.00	-30.09	2.63	3	Horizontal	67	1.00	-	41.28	32.50	6.33	36.20
AV	2.52975G	34.13	54.00	-19.87	2.63	3	Horizontal	67	1.00	-	31.50	32.50	6.33	36.20
PK	3.14238G	43.88	74.00	-30.12	3.84	3	Horizontal	127	3.00	-	40.04	33.10	6.94	36.20
AV	3.14238G	35.24	54.00	-18.76	3.84	3	Horizontal	127	3.00	"Worst"	31.40	33.10	6.94	36.20