Testing Laboratory
3787

RADIO TEST REPORT

FCC ID	:	O2U-FW7881
Equipment	:	CBN 5G NR Fixed Wireless Router
Brand Name	:	CBN
Model Name	:	FW7881
Applicant	:	Compal Broadband Networks, Inc. 13F-1, No.1 Taiyuan 1st ST. Zhubei City, Hsinchu County 30288, Taiwan
Manufacturer	:	Compal Broadband Networks, Inc. 13F-1, No.1 Taiyuan 1st ST. Zhubei City, Hsinchu County 30288, Taiwan
Standard	:	47 CFR FCC Part 15.407

The product was received on Sep. 12, 2022, and testing was started from Sep. 21, 2022 and completed on Oct. 31, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR282902AB	01	Initial issue of report	Nov. 11, 2022

Summary of Test Result

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

Declaration of Conformity:
1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results. 2. The measurement uncertainty please refer to report "Measurement Uncertainty".
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Vicky Huang

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), VHT20, ax (HEW20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), VHT40, ax (HEW40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	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
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 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- HEW20, HEW40 and 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	Support	Gain (dBi)
1	-	Lynwave	ALX22P-011AA1-00	Dipole	I-Pex	WWAN (617-960)(1710-2690)MHz	4.9
2	-	Lynwave	ALX22P-011AA6-00	Dipole	I-Pex	WWAN (617-960)(1710-2690)MHz	5.6
3	-	Lynwave	ALX21P-122AA0-00	Dipole	I-Pex	WWAN (1452-2690)(3000-4200) (5150-5925)MHz	5.6
4	-	Lynwave	ALX21P-122AA1-00	Dipole	I-Pex	WWAN (1452-2690)(3000-4200) (5150-5925)MHz	5.4
5	-	Lynwave	ALX21P-091AA4-00	Dipole	I-Pex	Zero wait	4.5
6	-	Lynwave	ALX21P-101AA2-00	Dipole	I-Pex	GPS	4.3
7	-	Lynwave	ALX21P-151AA0-A	Dipole	I-Pex	WWAN 3300-5000MHz	4.3
8	-	Lynwave		Dipole	I-Pex	WWAN 3300-5000MHz	5.2
9	2	Lynwave	ALX21P-221AA1-A	Dipole	I-Pex	WLAN 2.4GHz+ WLAN 5GHz	Note1
10	1	Lynwave		Dipole	I-Pex	WLAN 2.4GHz+ WLAN 5GHz	Note1
11	3	Lynwave	ALX21P-221AA2-A	Dipole	I-Pex	WLAN 2.4GHz+ WLAN 5GHz	Note1
12	4	Lynwave		Dipole	I-Pex	WLAN 2.4GHz+ WLAN 5GHz	Note1

Note1:

Ant.	Antenna Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3
9	3.78	3.44	2.93	3.89	4.93
10	3.54	4.09	4.35	4.99	5.82
11	2.96	4.48	3.51	2.81	3.46
12	3.55	5.29	4.52	4.63	5.75

Ant.	Directional Gain (dBi)														
	WLAN 2.4GHz			WLAN 5GHz											
	2.45GHz			UNII 1			UNII 2A			UNII 2C			UNII 3		
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
9	6.8	3.79	3.78	5.65	5.29	5.29	5.45	4.52	4.52	6.45	4.99	4.99	6.22	5.82	5.82
10															
11															
12															

Note 2: The above information(excepting antenna 9~12 gain) was declared by manufacturer.

Note 3. The antenna 5 which has the receiving function only is used for zero wait.
Note 4: The EUT has twelve antennas.
Note 5: The antenna 9~12 gain and directional gain are measured which follow the procedure of KDB 662911 D03
Note 6: The EUT doesn't enable the DFS band in this application.

For 2.4GHz function:
For IEEE 802.11b/g/n/VHT/ax (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For 5GHz function:
For IEEE 802.11a/n/ac/ax (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.96	0.18	1.398m	1k
802.11ax HEW20	0.947	0.24	1.02m	1k
802.11ax HEW40	0.904	0.44	540u	3k
802.11ax HEW80	0.837	0.77	288.75u	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 11n/VHT/ax in 2.4GHz and n/ VHT /ax in 5GHz.			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
	☒	Point-to-multipoint	☐	Point-to-point
Channel Puncturing Function	☐	Supported	☒	Unsupported
Test Software Version	QATool_v0.0.2.15			

Note1: The above information was declared by manufacturer.
Note2: This device contains WWAN module FCC ID: ZMOFG360NA. The WWAN function supports LTE Band 2, 41 and 5G NR n2, NR n41, NR n66, NR n71.

1.1.5 Table for EUT supports functions

Function
AP Router
Mesh

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Jay Lo	23.4~24.5 / 54~61	Sep. 27, 2022~ Sep. 30, 2022
Radiated (below 1GHz)	03CH03-CB	Chris Lee	23.1~24.3 / 56~59	Sep. 21, 2022~ Oct. 24, 2022
Radiated (above 1GHz)	03CH06-CB	Chris Lee	22.4~24.4 / 56~60	Sep. 21, 2022~ Oct. 24, 2022
Radiated (co-location)	03CH01-CB	Chris Lee	23.2~23.7 / 57~60	Oct. 31, 2022
AC Conduction	CO02-CB	Tim Chen	22~23 / 55~56	Oct. 25, 2022

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For non-beamforming mode:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	19
5200MHz	19.5
5240MHz	19.5
5745MHz	21.5
5785MHz	22.5
5825MHz	22
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	16.5
5200MHz	21
5240MHz	20.5
5745MHz	21.5
5785MHz	22
5825MHz	22
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	14
5230MHz	20.5
5755MHz	22
5795MHz	22.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	12.5
5775MHz	20

For beamforming mode:

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	16.5
5200MHz	21
5240MHz	20.5
5745MHz	21.5
5785MHz	22
5825MHz	21.5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	14
5230MHz	20.5
5755MHz	21.5
5795MHz	22.5
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	12.5
5775MHz	20

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.
- The EUT supports non-beamforming and beamforming modes, after evaluating, the non-beamforming mode has been evaluated to be the worst case, so it was selected to test. The beamforming mode evaluates the output power only.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	EUT+WLAN 2.4GHz+Adapter
2	EUT+WLAN 5GHz+Adapter
For operating mode 1 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
For 2.4GHz: The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Y axis from Emissions in Restricted Frequency Bands above 1GHz. So the measurement will follow this same test configuration. For 5GHz The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Z axis from Unwanted Emissions above 1GHz. So the measurement will follow this same test configuration.	
1	EUT at Y-axis +WLAN 2.4GHz+Adapter
2	EUT at Z-axis +WLAN 5GHz+ Adapter
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found as below. So the measurement will follow this same test configuration.	
1	EUT at Z-axis

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
The EUT was performed at X axis, Y axis and Z axis position. The worst case was found at Z axis, so it was selected to perform test and its test result was written in the report.	
1	EUT at Z-axis + WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT +WLAN 2.4GHz + WLAN 5GHz + WWAN LTE/5GHz
Refer to Sporton Test Report No.: FA282902 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN XP were executed.
The program was executed as follows:
1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Wireless AP 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	Frecom	F30L7-120250SPAU	INPUT: 100-240V ~ 50/60Hz, 0.8A OUTPUT: 12.0V, 2.5A, 30.0W

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	PP13S	N/A
B	Flash disk3.0	Transcend	639205 7755	N/A

For Radiated:

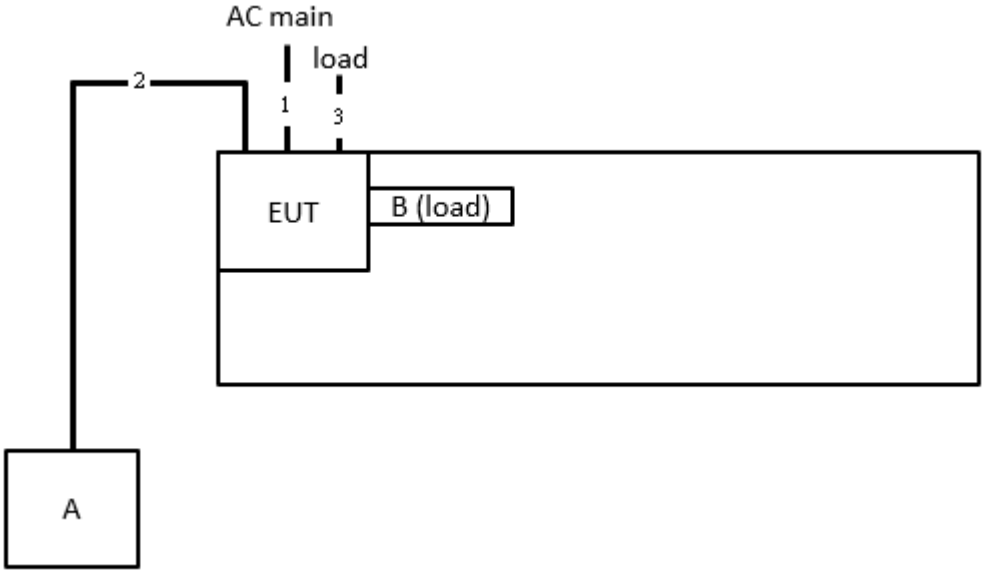
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	Lenovo	L440	N/A

For RF Conducted:

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

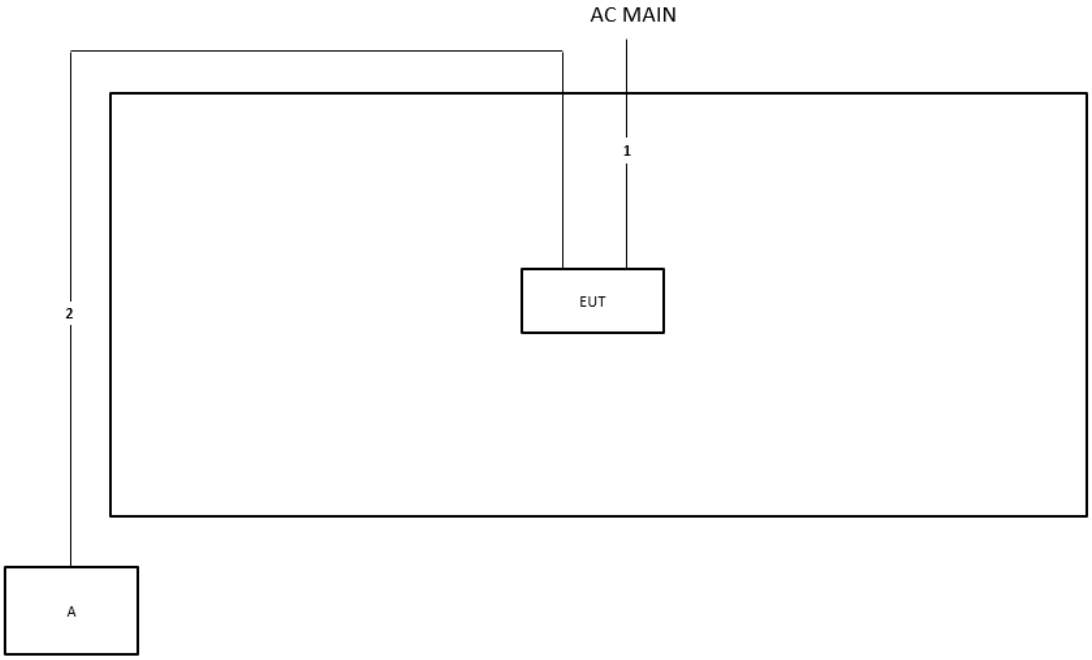
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



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

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	Power cable	No	2m
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

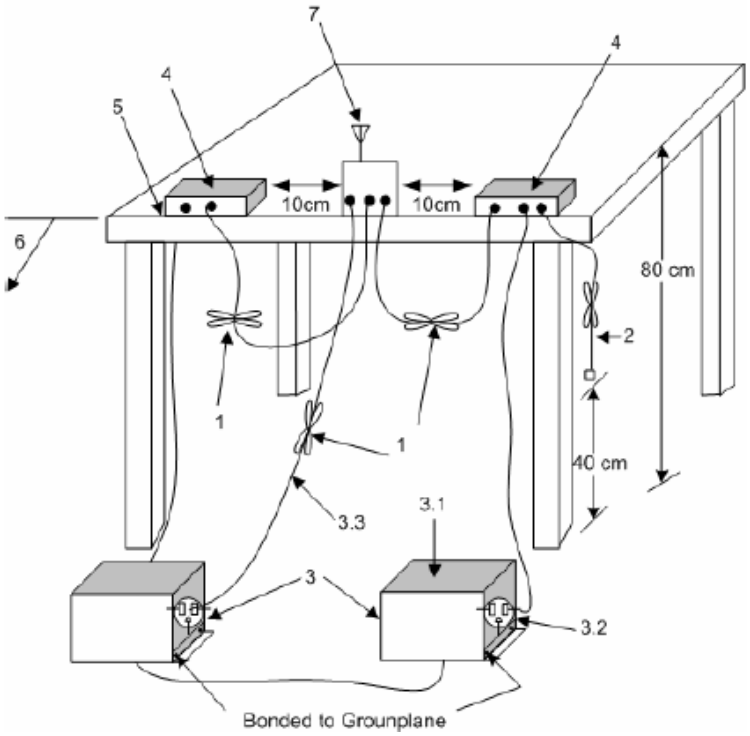
Refer a test equipment and calibration data table in this test report.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☐	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 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 ≥ 500kHz.

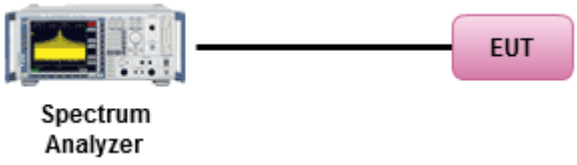
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


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.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

Conducted Measurement (Power Meter)


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.
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° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40° -35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45°
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

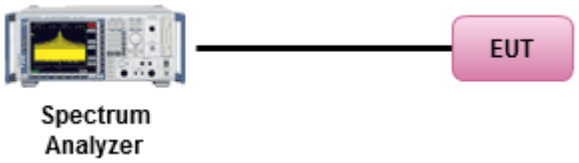
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Conducted Measurement


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.

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).

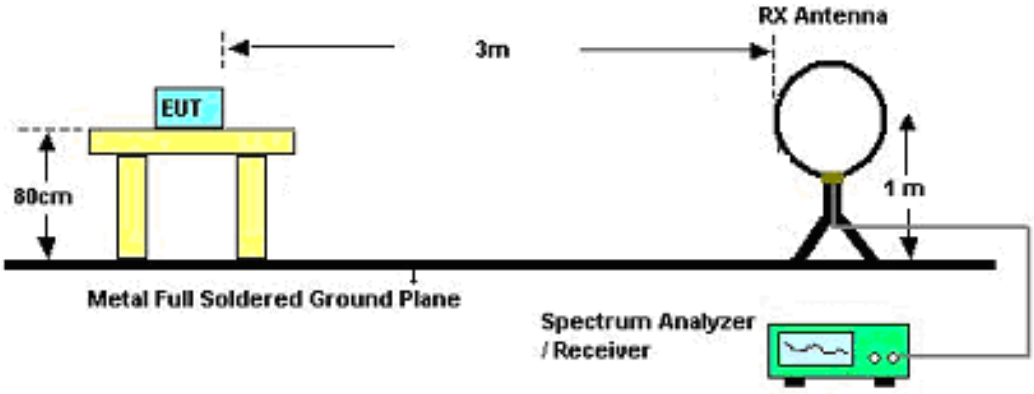
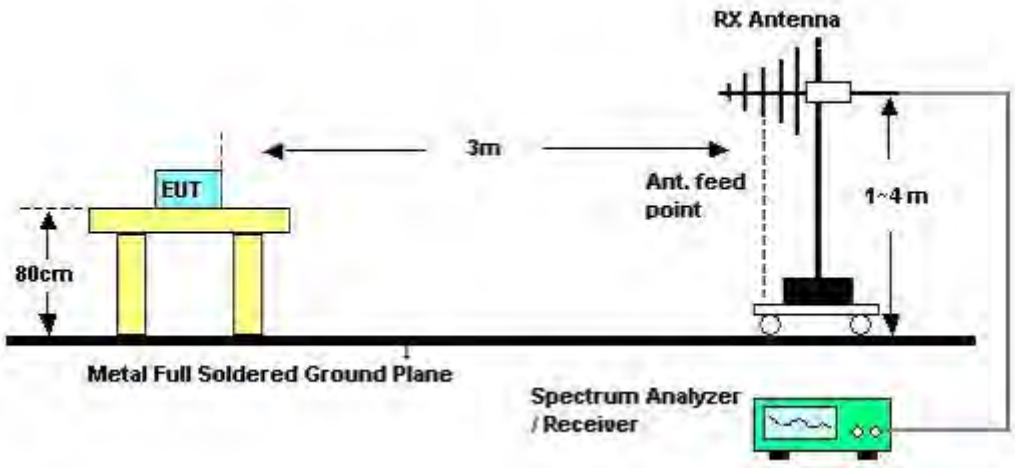
3.5.2 Measuring Instruments

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

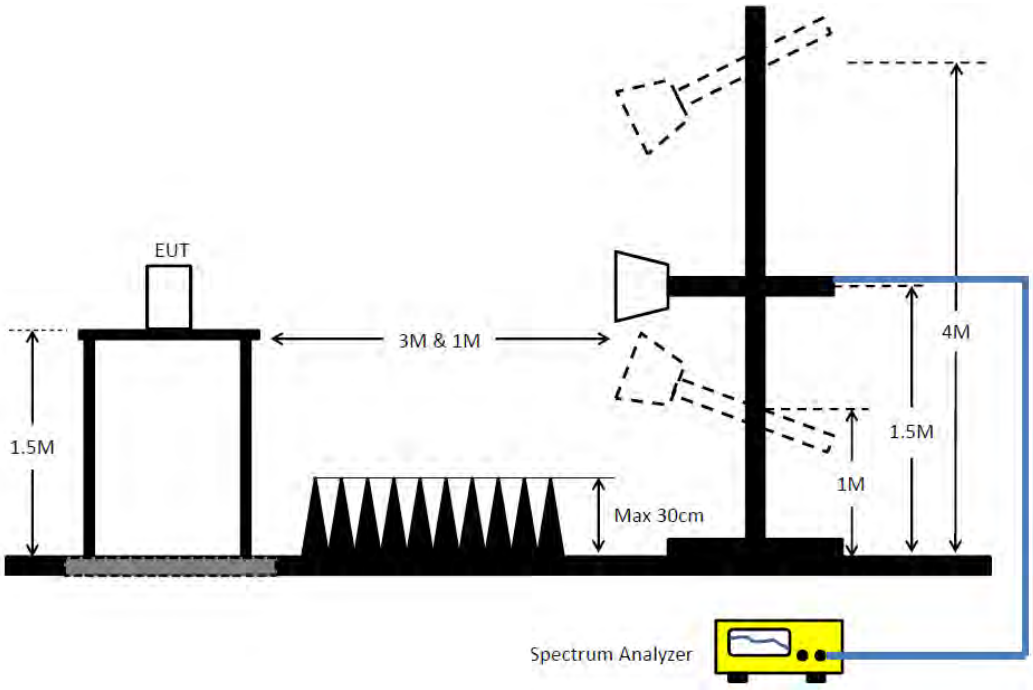
3.5.3 Test Procedures

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 ≥ 98 or duty factor].		
▪ For the transmitter unwanted emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.	
	▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
		☒ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
		☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
▪ For radiated measurement.		
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	
▪ The any unwanted emissions level shall not exceed the fundamental emission level.		
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.		

3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Jan. 07, 2022	Jan. 06, 2023	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 22, 2021	Dec. 21, 2022	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 06, 2022	May 05, 2023	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 26, 2022	Jan. 25, 2023	Radiation (03CH03-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 21, 2022	Feb. 20, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 10, 2022	Jan. 09, 2023	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 10, 2022	Jun. 09, 2023	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBEAK	BBHA9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH02-CB)

Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSP	100593	9kHz~40GHz	Apr. 08, 2022	Apr. 07, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 01, 2021	Sep. 30, 2022	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Sep. 30, 2022	Sep. 29, 2023	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120 D	BBHA 9120D-1292	1GHz~18GHz	Aug. 09, 2022	Aug. 08, 2023	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBEAK	BBHA9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug 02, 2022	Aug 01, 2023	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 24, 2021	Dec. 23, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-67	1GHz~18GHz	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-67	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)

RF Cable-high	Woken	RG402	High Cable-05+67	1GHz~18GHz	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+67	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2021	Nov. 05, 2022	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 19, 2022	May 18, 2023	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 15, 2022	Aug. 14, 2023	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 25, 2021	Oct. 24, 2022	Conducted (TH02-CB)

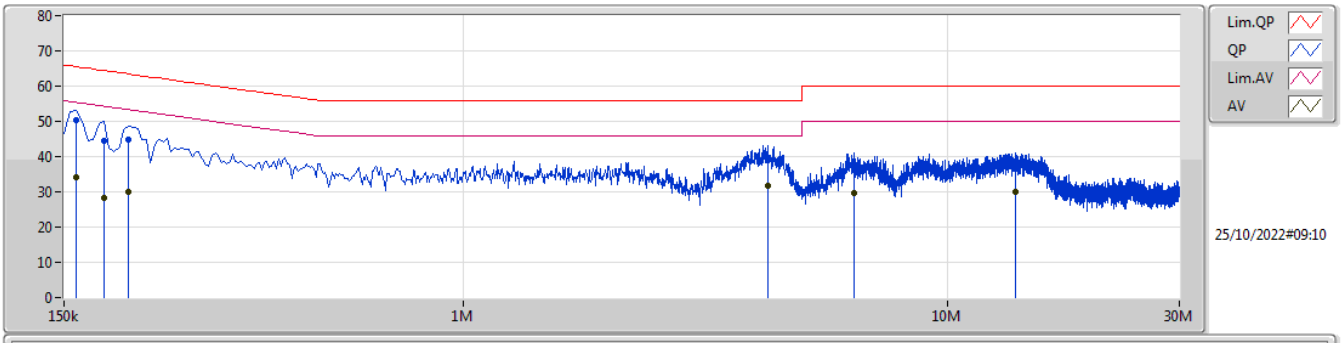
RF Cable-high	Woken	RG402	SWI-02-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	SWI-02-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

Note: Calibration Interval of instruments listed above is one year.
NCR means Non-Calibration required.

Summary

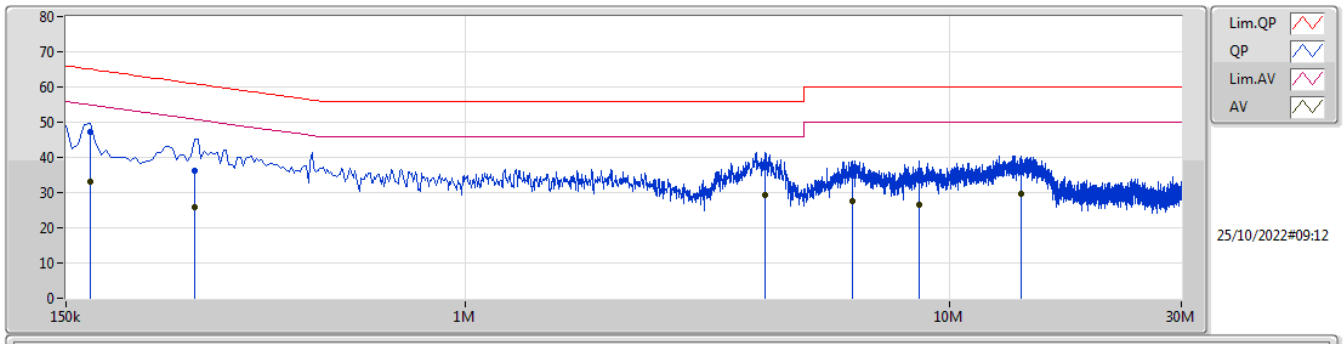
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	4.25M	31.64	46.00	-14.36	Line

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	50.41	65.52	-15.11	10.30	Line	-	40.11	0.12	0.09	10.09
AV	159k	34.21	55.52	-21.31	10.30	Line	-	23.91	0.12	0.09	10.09
QP	181.5k	44.58	64.41	-19.83	10.29	Line	-	34.29	0.12	0.10	10.07
AV	181.5k	28.28	54.41	-26.13	10.29	Line	-	17.99	0.12	0.10	10.07
QP	204k	44.82	63.44	-18.62	10.29	Line	-	34.53	0.12	0.11	10.06
AV	204k	30.05	53.44	-23.39	10.29	Line	-	19.76	0.12	0.11	10.06
QP	4.25M	39.01	56.00	-16.99	10.29	Line	-	28.72	0.24	0.20	9.85
AV	4.25M	31.64	46.00	-14.36	10.29	Line	"Worst"	21.35	0.24	0.20	9.85
QP	6.401M	36.34	60.00	-23.66	10.38	Line	-	25.96	0.29	0.21	9.88
AV	6.401M	29.60	50.00	-20.40	10.38	Line	-	19.22	0.29	0.21	9.88
QP	13.785M	36.67	60.00	-23.33	10.55	Line	-	26.12	0.36	0.24	9.95
AV	13.785M	30.07	50.00	-19.93	10.55	Line	-	19.52	0.36	0.24	9.95

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	168k	47.26	65.06	-17.80	10.33	Neutral	-	36.93	0.16	0.09	10.08
AV	168k	32.95	55.06	-22.11	10.33	Neutral	-	22.62	0.16	0.09	10.08
QP	276k	36.15	60.93	-24.78	10.33	Neutral	-	25.82	0.16	0.13	10.04
AV	276k	25.72	50.93	-25.21	10.33	Neutral	-	15.39	0.16	0.13	10.04
QP	4.16M	37.24	56.00	-18.76	10.26	Neutral	-	26.98	0.22	0.20	9.84
AV	4.16M	29.29	46.00	-16.71	10.26	Neutral	"Worst"	19.03	0.22	0.20	9.84
QP	6.275M	34.88	60.00	-25.12	10.33	Neutral	-	24.55	0.25	0.20	9.88
AV	6.275M	27.70	50.00	-22.30	10.33	Neutral	-	17.37	0.25	0.20	9.88
QP	8.628M	33.39	60.00	-26.61	10.40	Neutral	-	22.99	0.28	0.21	9.91
AV	8.628M	26.51	50.00	-23.49	10.40	Neutral	-	16.11	0.28	0.21	9.91
QP	14.015M	35.96	60.00	-24.04	10.49	Neutral	-	25.47	0.30	0.24	9.95
AV	14.015M	29.61	50.00	-20.39	10.49	Neutral	-	19.12	0.30	0.24	9.95

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	32.73M	17.954M	18M0D1D	24.84M	16.688M
802.11ax HEW20_Nss1,(MCS0)_4TX	41.28M	21.11M	21M1D1D	21.99M	18.867M
802.11ax HEW40_Nss1,(MCS0)_4TX	65.34M	40.958M	41M0D1D	39.54M	37.531M
802.11ax HEW80_Nss1,(MCS0)_4TX	80.16M	76.783M	76M8D1D	80.16M	76.735M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	15.12M	24.499M	24M5D1D	13.86M	16.926M
802.11ax HEW20_Nss1,(MCS0)_4TX	17.58M	24.59M	24M6D1D	15.06M	19.197M
802.11ax HEW40_Nss1,(MCS0)_4TX	35.34M	42.542M	42M5D1D	32.52M	38.56M
802.11ax HEW80_Nss1,(MCS0)_4TX	75.12M	77.612M	77M6D1D	73.68M	77.107M

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

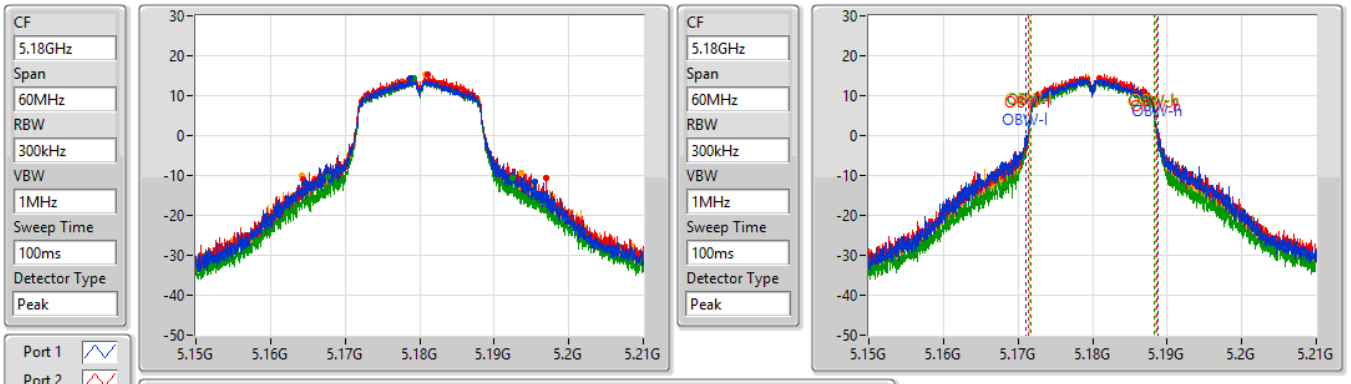
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	30.84M	17.711M	32.52M	17.104M	24.84M	16.688M	29.43M	16.915M
5200MHz	Pass	Inf	32.64M	17.954M	32.73M	17.435M	27.15M	16.75M	30.96M	17.055M
5240MHz	Pass	Inf	31.56M	17.188M	31.29M	17.164M	25.62M	16.699M	29.01M	16.84M
5745MHz	Pass	500k	15.09M	16.991M	15.09M	17.443M	15M	16.926M	13.86M	17.248M
5785MHz	Pass	500k	15.03M	17.12M	15.09M	17.477M	15M	16.989M	15M	17.358M
5825MHz	Pass	500k	15M	21.558M	15.12M	24.499M	15M	20.601M	15.03M	22.502M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.61M	18.93M	22.89M	18.948M	22.83M	18.9M	21.99M	18.988M
5200MHz	Pass	Inf	41.28M	21.11M	36.18M	19.738M	35.88M	19.526M	35.7M	19.333M
5240MHz	Pass	Inf	32.34M	19.013M	30M	18.966M	30.06M	18.931M	28.98M	18.867M
5745MHz	Pass	500k	16.35M	19.197M	16.23M	19.514M	15.63M	19.207M	15.06M	19.392M
5785MHz	Pass	500k	16.29M	19.263M	16.44M	19.532M	15.72M	19.206M	16.32M	19.434M
5825MHz	Pass	500k	15.09M	21.627M	17.58M	24.59M	16.26M	20.294M	16.26M	22.476M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.54M	37.633M	39.66M	37.574M	39.54M	37.531M	39.6M	37.545M
5230MHz	Pass	Inf	65.28M	40.958M	65.34M	38.58M	64.62M	38.483M	55.5M	38.205M
5755MHz	Pass	500k	35.1M	38.56M	35.04M	42.21M	35.34M	38.876M	35.1M	39.827M
5795MHz	Pass	500k	35.28M	39.41M	32.52M	42.542M	33.3M	38.862M	35.04M	40.775M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	80.16M	76.736M	80.16M	76.77M	80.16M	76.735M	80.16M	76.783M
5775MHz	Pass	500k	75M	77.342M	73.68M	77.612M	75.12M	77.107M	75.12M	77.436M

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

802.11a_Nss1,(6Mbps)_4TX EBW

5180MHz

27/09/2022

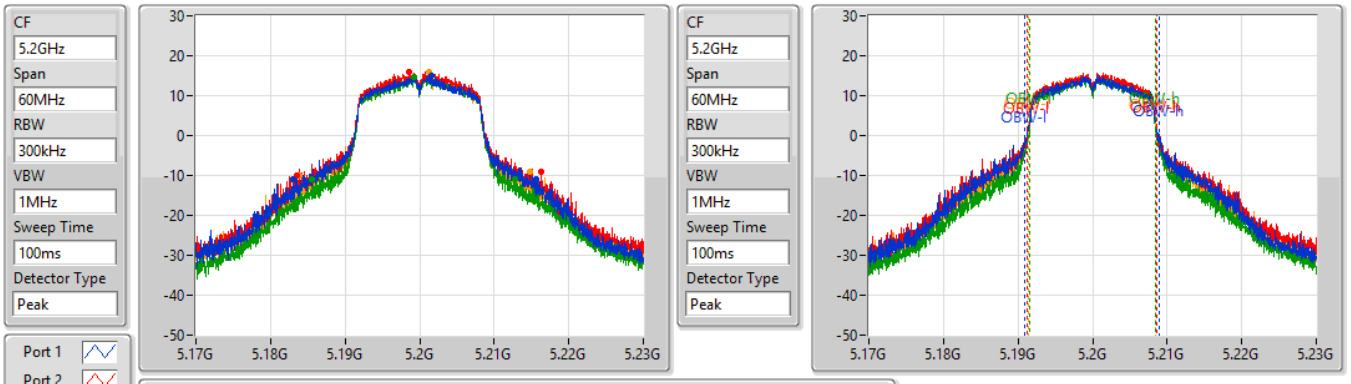


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.84M	5.16464G	5.19548G	17.711M	5.171013G	5.188725G	Inf	1
32.52M	5.16443G	5.19695G	17.104M	5.17146G	5.188565G	Inf	2
24.84M	5.16767G	5.19251G	16.688M	5.171667G	5.188354G	Inf	3
29.43M	5.16416G	5.19359G	16.915M	5.171537G	5.188452G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

27/09/2022

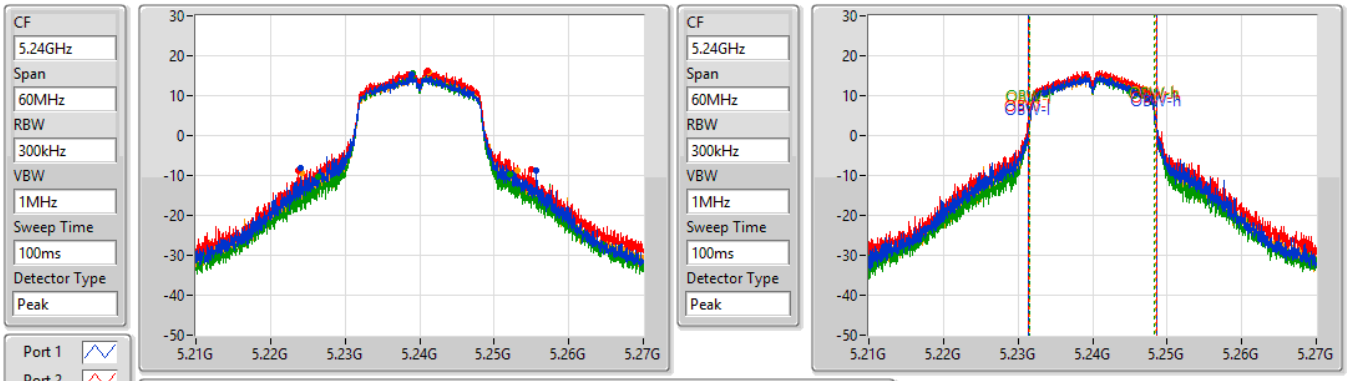


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.64M	5.18299G	5.21563G	17.954M	5.190914G	5.208868G	Inf	1
32.73M	5.18362G	5.21635G	17.435M	5.191225G	5.208661G	Inf	2
27.15M	5.18557G	5.21272G	16.75M	5.191636G	5.208386G	Inf	3
30.96M	5.1838G	5.21476G	17.055M	5.19142G	5.208475G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

27/09/2022

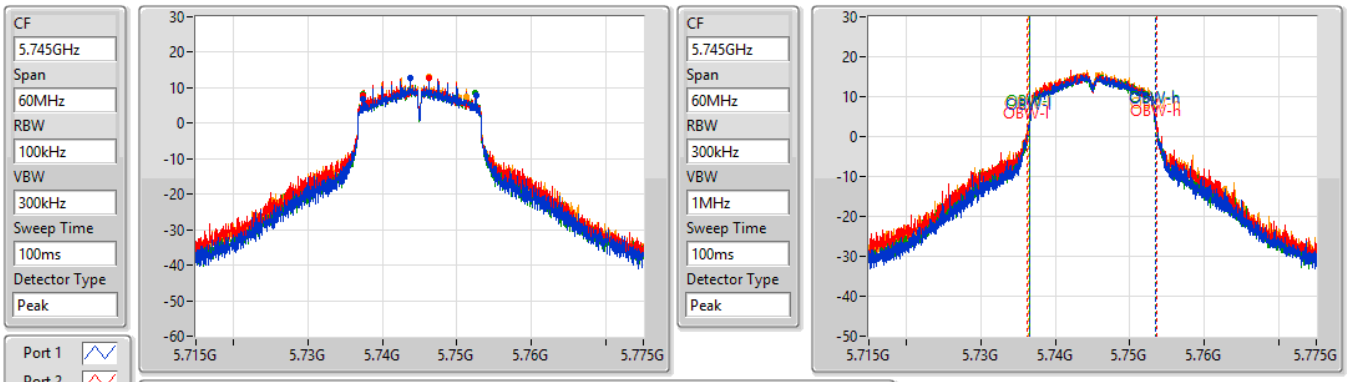


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.56M	5.22407G	5.25563G	17.188M	5.231353G	5.248541G	Inf	1
31.29M	5.22374G	5.25503G	17.164M	5.231364G	5.248528G	Inf	2
25.62M	5.22644G	5.25206G	16.699M	5.231613G	5.248312G	Inf	3
29.01M	5.22413G	5.25314G	16.84M	5.231557G	5.248397G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

27/09/2022

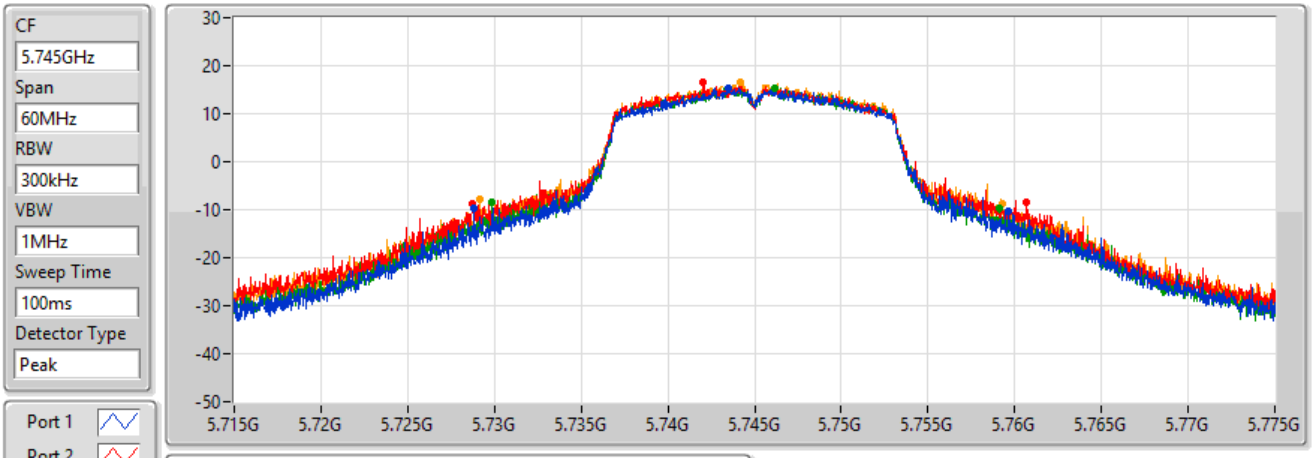


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.09M	5.73744G	5.75253G	16.991M	5.736496G	5.753487G	500k	1
15.09M	5.73744G	5.75253G	17.443M	5.736176G	5.753619G	500k	2
15M	5.73747G	5.75247G	16.926M	5.736501G	5.753426G	500k	3
13.86M	5.73744G	5.7513G	17.248M	5.736315G	5.753564G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

27/09/2022

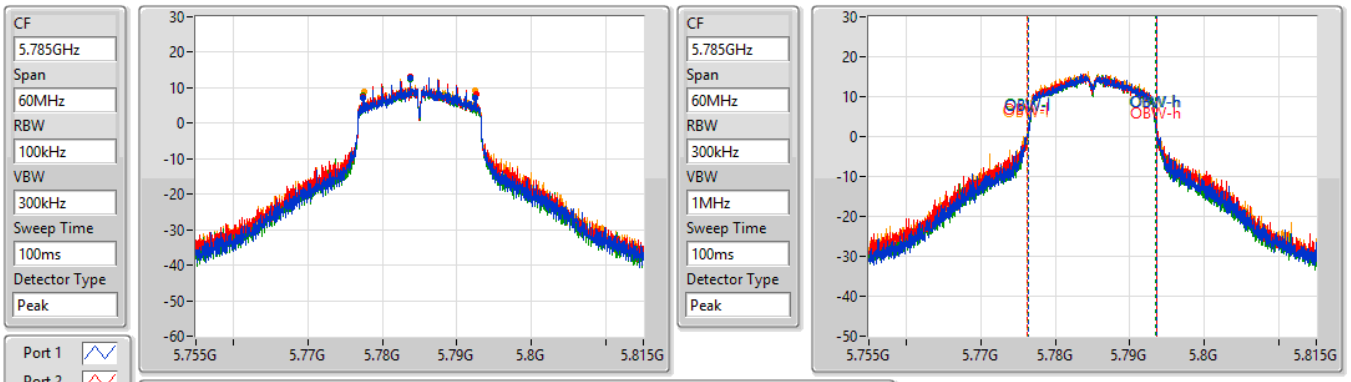


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
30.84M	5.72883G	5.75967G	Inf	1
31.95M	5.72874G	5.76069G	Inf	2
29.31M	5.72982G	5.75913G	Inf	3
30.15M	5.72913G	5.75928G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

27/09/2022

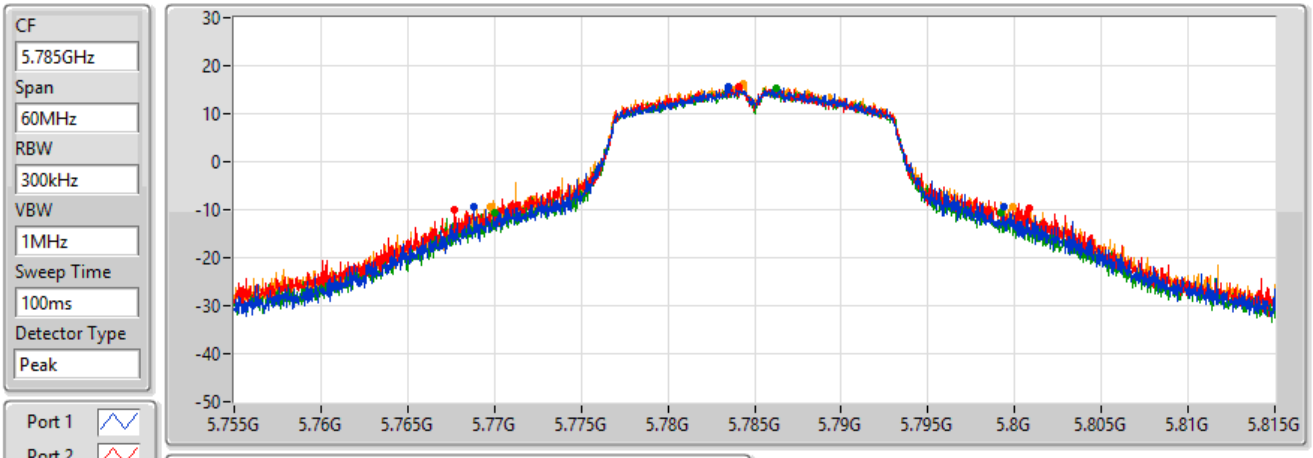


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.03M	5.77744G	5.79247G	17.12M	5.776409G	5.793529G	500k	1
15.09M	5.77744G	5.79253G	17.477M	5.776174G	5.793651G	500k	2
15M	5.77747G	5.79247G	16.989M	5.776458G	5.793447G	500k	3
15M	5.7775G	5.7925G	17.358M	5.77626G	5.793617G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

27/09/2022

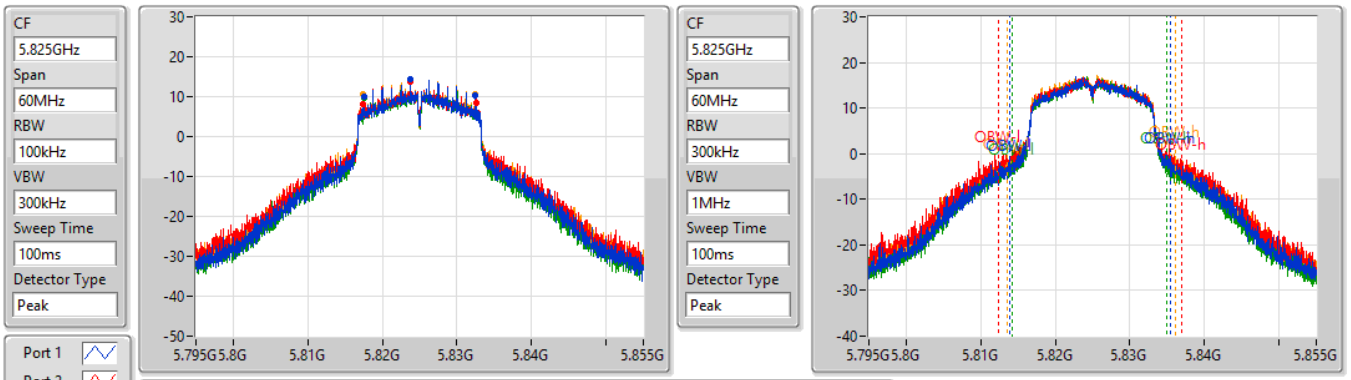


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
30.54M	5.7688G	5.79934G	Inf	1
33.12M	5.76769G	5.80081G	Inf	2
29.22M	5.77G	5.79922G	Inf	3
30.15M	5.76973G	5.79988G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

27/09/2022

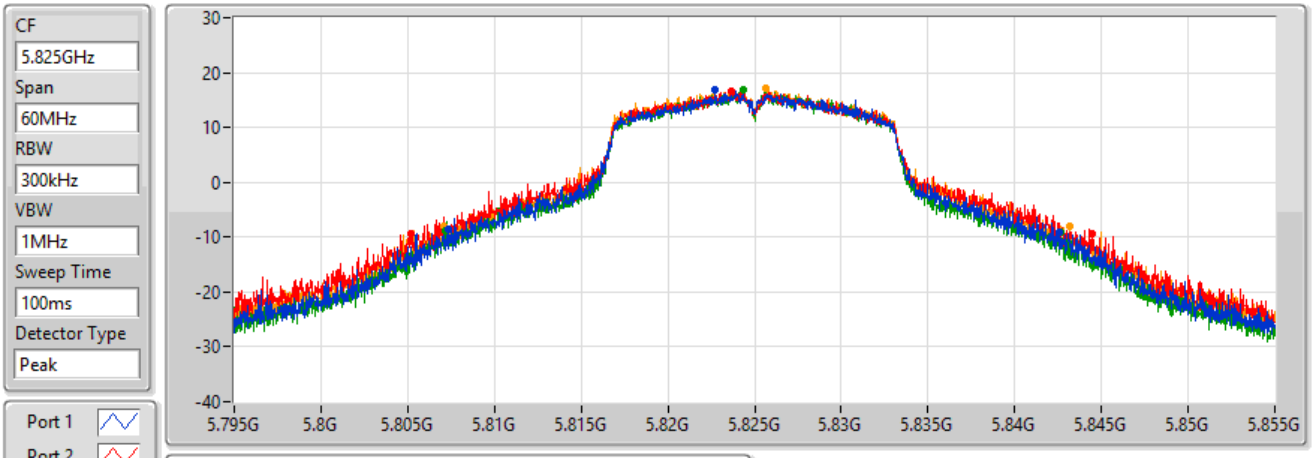


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	5.8175G	5.8325G	21.558M	5.813955G	5.835514G	500k	1
15.12M	5.81744G	5.83256G	24.499M	5.812447G	5.836946G	500k	2
15M	5.8175G	5.8325G	20.601M	5.81428G	5.834881G	500k	3
15.03M	5.81747G	5.8325G	22.502M	5.813614G	5.836116G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

27/09/2022

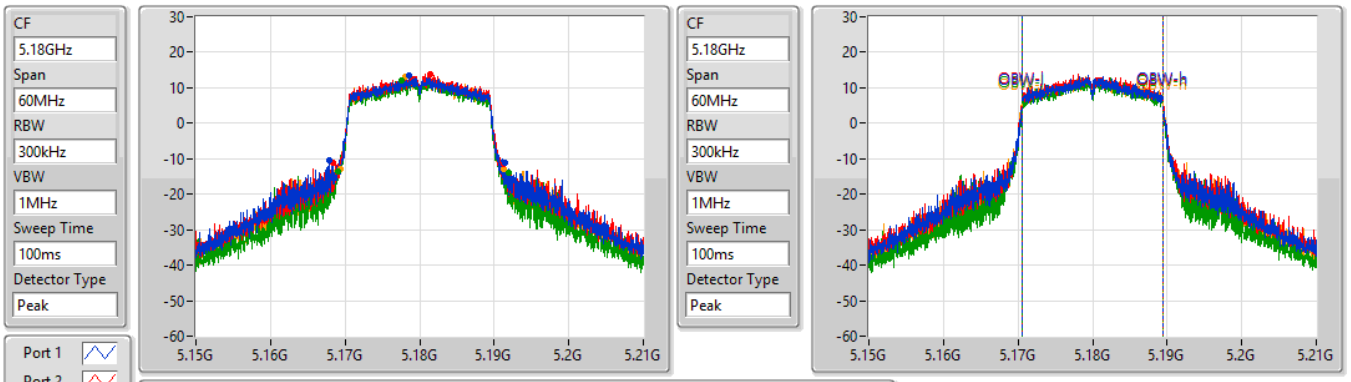


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
35.22M	5.80733G	5.84255G	Inf	1
39.27M	5.80523G	5.8445G	Inf	2
35.49M	5.80715G	5.84264G	Inf	3
36.12M	5.80706G	5.84318G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5180MHz

27/09/2022



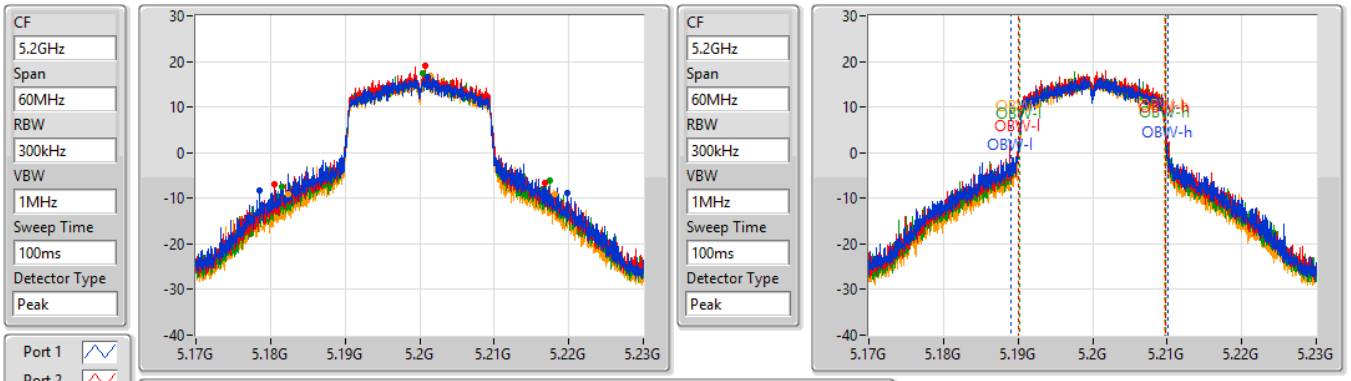
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.61M	5.16782G	5.19143G	18.93M	5.170527G	5.189457G	Inf	1
22.89M	5.16842G	5.19131G	18.948M	5.170521G	5.189469G	Inf	2
22.83M	5.16905G	5.19188G	18.9M	5.17055G	5.18945G	Inf	3
21.99M	5.16932G	5.19131G	18.988M	5.170494G	5.189482G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5200MHz

27/09/2022



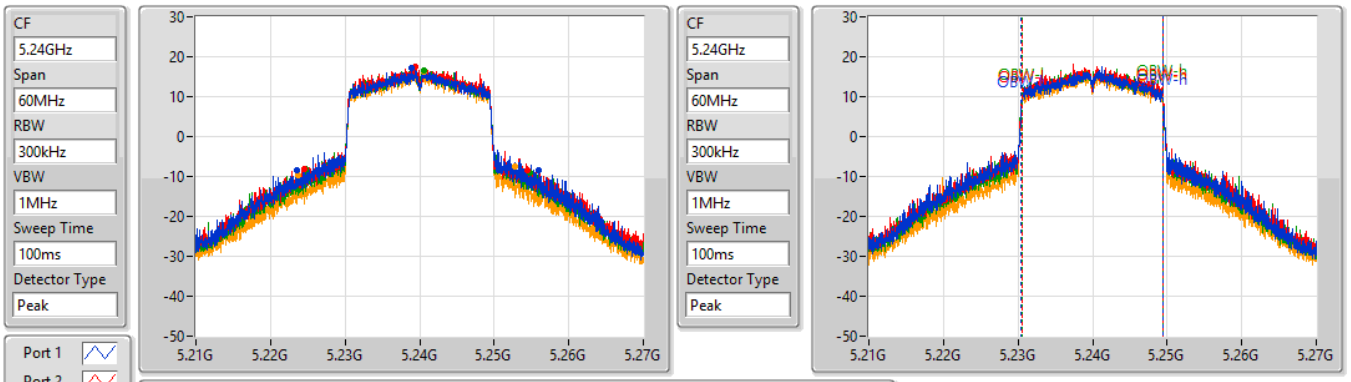
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.28M	5.17849G	5.21977G	21.11M	5.189026G	5.210136G	Inf	1
36.18M	5.18059G	5.21677G	19.738M	5.190038G	5.209776G	Inf	2
35.88M	5.18155G	5.21743G	19.526M	5.190212G	5.209738G	Inf	3
35.7M	5.18245G	5.21815G	19.333M	5.190288G	5.209621G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5240MHz

27/09/2022

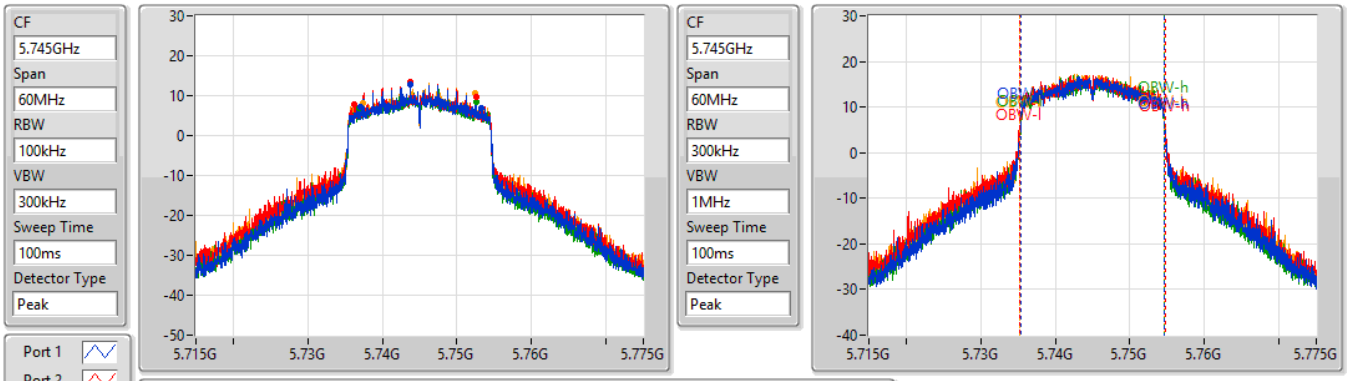


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.34M	5.22359G	5.25593G	19.013M	5.230469G	5.249481G	Inf	1
30M	5.22449G	5.25449G	18.966M	5.230494G	5.249459G	Inf	2
30.06M	5.2247G	5.25476G	18.931M	5.230512G	5.249443G	Inf	3
28.98M	5.22374G	5.25272G	18.867M	5.230551G	5.249418G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5745MHz

27/09/2022

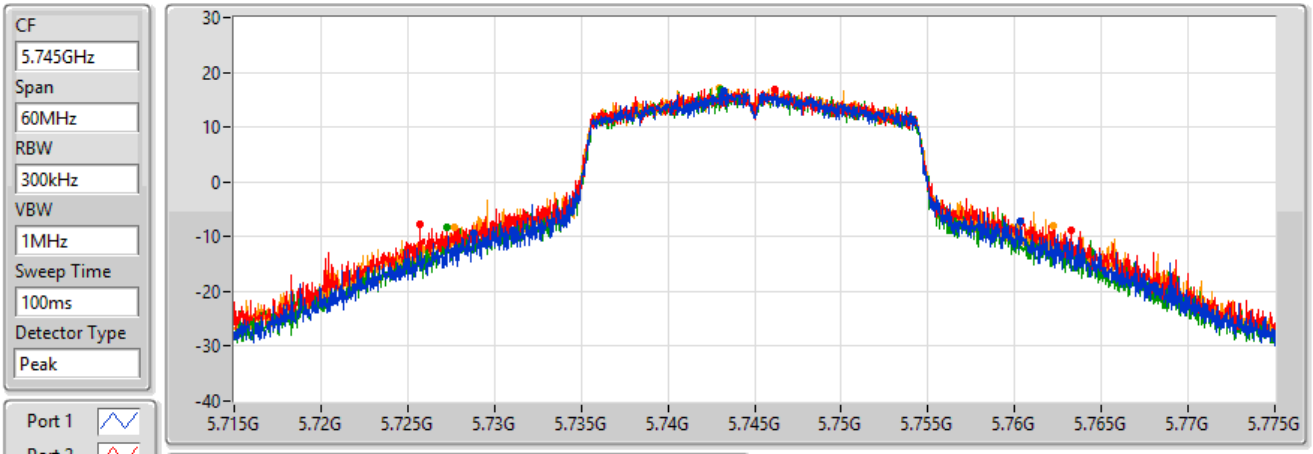


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.73699G	5.75334G	19.197M	5.735392G	5.754589G	500k	1
16.23M	5.7363G	5.75253G	19.514M	5.735197G	5.754711G	500k	2
15.63M	5.7369G	5.75253G	19.207M	5.73537G	5.754577G	500k	3
15.06M	5.73744G	5.7525G	19.392M	5.735277G	5.754669G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5745MHz

27/09/2022

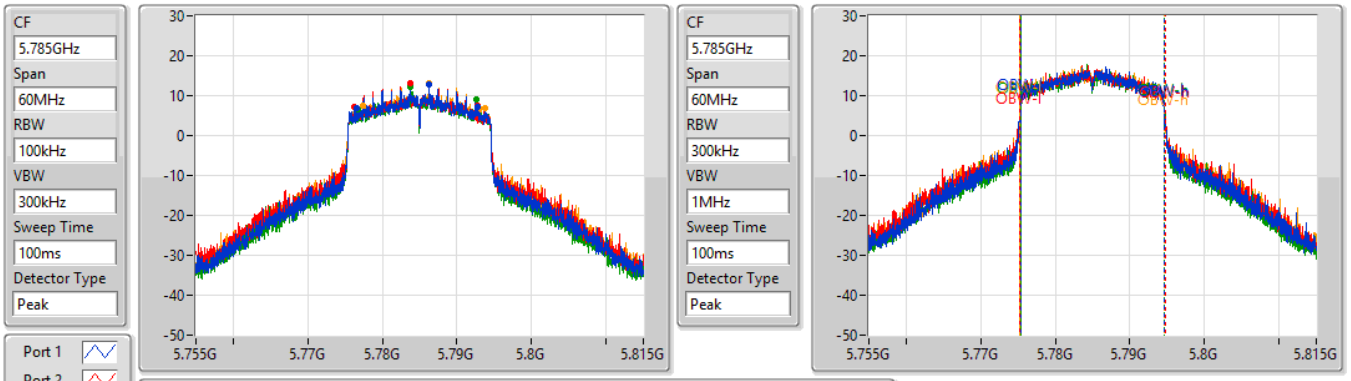


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
31.53M	5.72883G	5.76036G	Inf	1
37.59M	5.72571G	5.7633G	Inf	2
33M	5.7273G	5.7603G	Inf	3
34.59M	5.72766G	5.76225G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5785MHz

27/09/2022

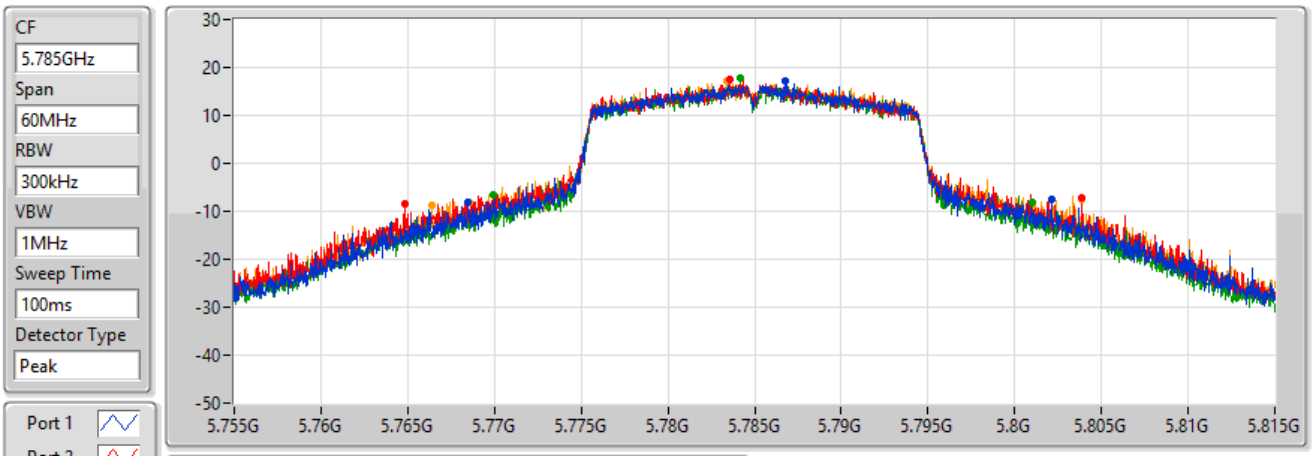


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.77654G	5.79283G	19.263M	5.775339G	5.794602G	500k	1
16.44M	5.7763G	5.79274G	19.532M	5.775168G	5.7947G	500k	2
15.72M	5.77681G	5.79253G	19.206M	5.7753995G	5.794601G	500k	3
16.32M	5.77744G	5.79376G	19.434M	5.775255G	5.794689G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5785MHz

27/09/2022

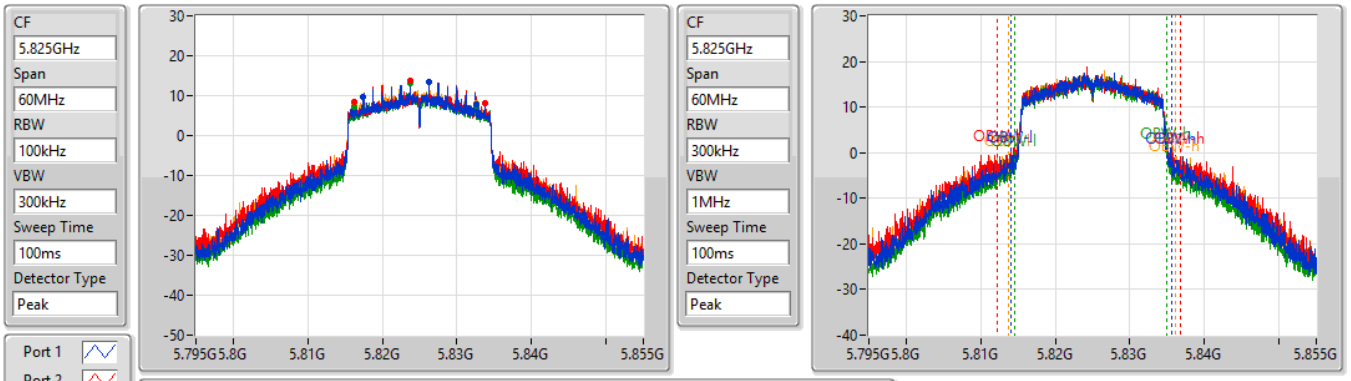


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
33.6M	5.7685G	5.8021G	Inf	1
39.06M	5.76484G	5.8039G	Inf	2
31.11M	5.76991G	5.80102G	Inf	3
37.5M	5.7664G	5.8039G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5825MHz

27/09/2022

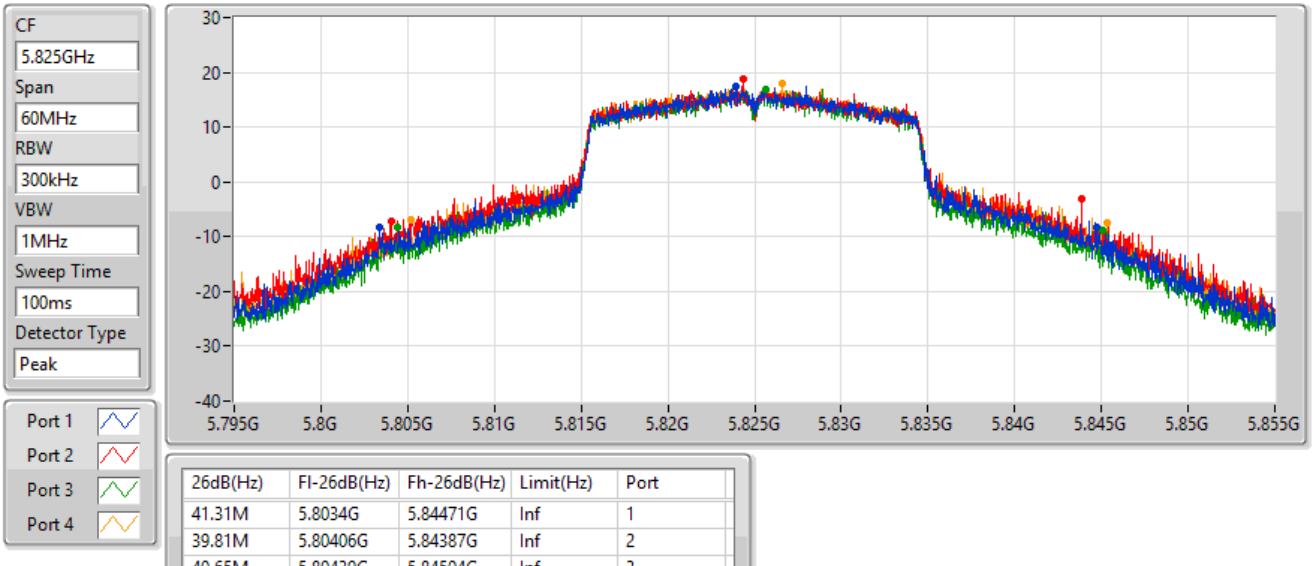


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.09M	5.81747G	5.83256G	21.627M	5.81401G	5.835637G	500k	1
17.58M	5.81624G	5.83382G	24.59M	5.812139G	5.83673G	500k	2
16.26M	5.8163G	5.83256G	20.294M	5.814625G	5.834919G	500k	3
16.26M	5.8163G	5.83256G	22.476M	5.813663G	5.836139G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5825MHz

27/09/2022

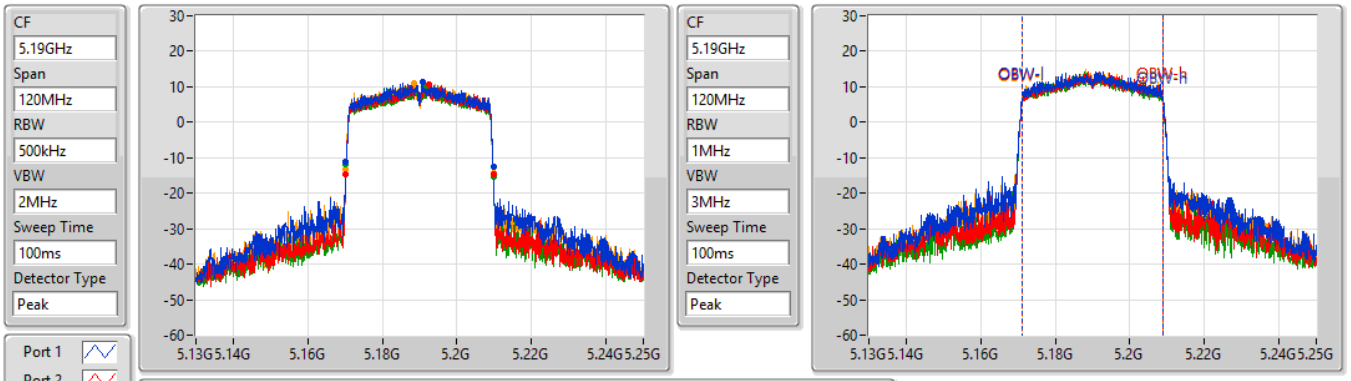


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
41.31M	5.8034G	5.84471G	Inf	1
39.81M	5.80406G	5.84387G	Inf	2
40.65M	5.80439G	5.84504G	Inf	3
40.17M	5.80517G	5.84534G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5190MHz

27/09/2022

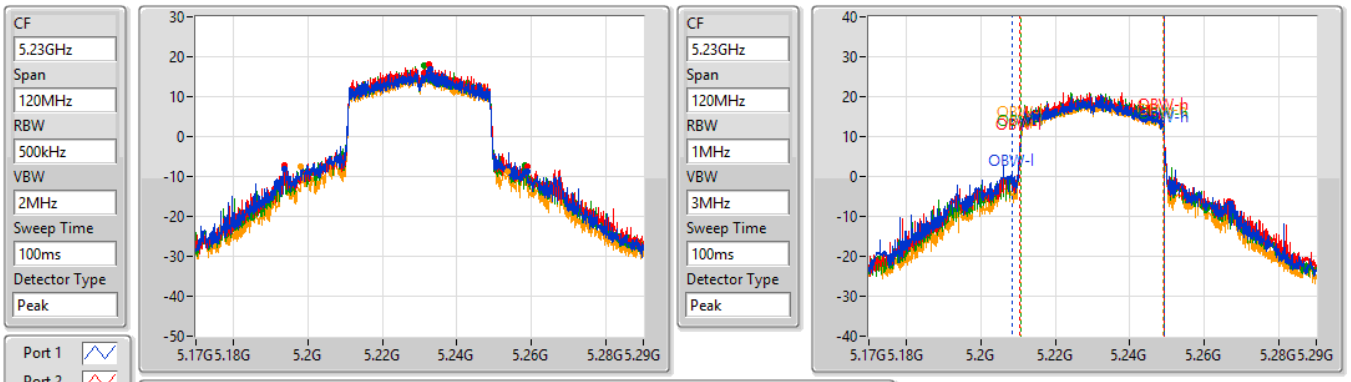


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.54M	5.17026G	5.2098G	37.633M	5.171204G	5.208838G	Inf	1
39.66M	5.1702G	5.20986G	37.574M	5.171197G	5.208771G	Inf	2
39.54M	5.17026G	5.2098G	37.531M	5.1712445G	5.208776G	Inf	3
39.6M	5.17026G	5.20986G	37.545M	5.17125G	5.208795G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5230MHz

27/09/2022

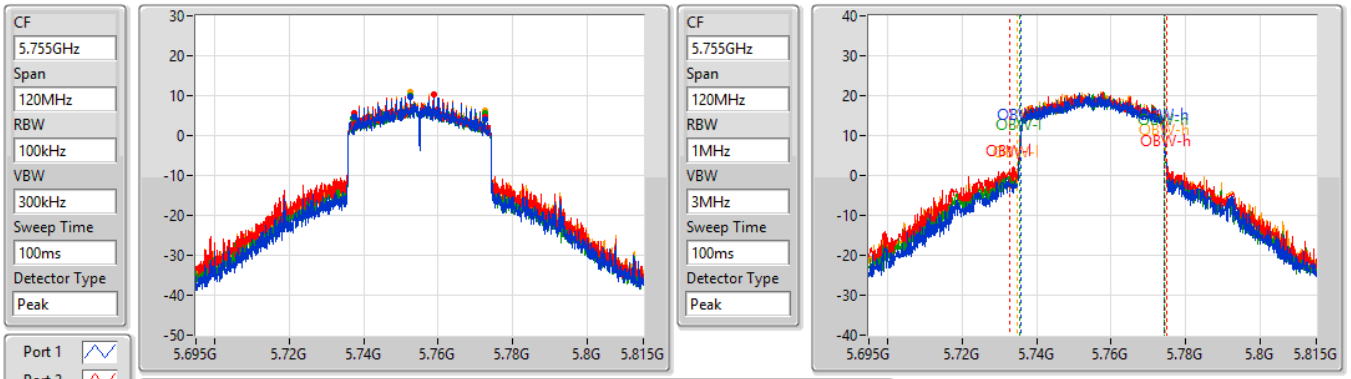


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
65.28M	5.19358G	5.25886G	40.958M	5.208286G	5.249243G	Inf	1
65.34M	5.19358G	5.25892G	38.58M	5.210554G	5.249134G	Inf	2
64.62M	5.19364G	5.25826G	38.483M	5.210629G	5.249112G	Inf	3
55.5M	5.19814G	5.25364G	38.205M	5.210831G	5.249036G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5755MHz

27/09/2022

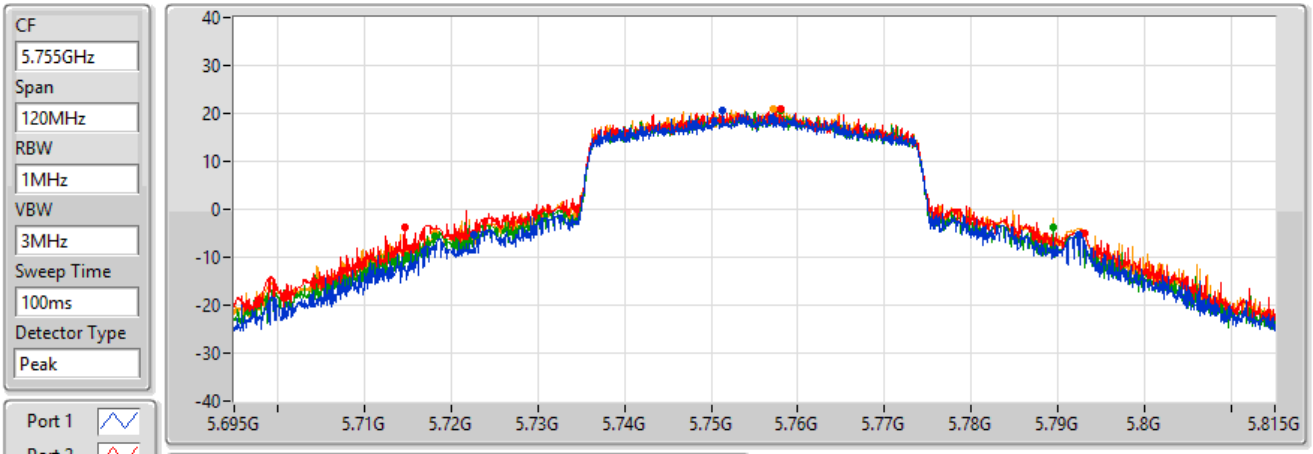


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	5.73748G	5.77258G	38.56M	5.73569G	5.77425G	500k	1
35.04M	5.73748G	5.77252G	42.21M	5.732612G	5.774823G	500k	2
35.34M	5.73718G	5.77252G	38.876M	5.73537G	5.774246G	500k	3
35.1M	5.73742G	5.77252G	39.827M	5.734731G	5.774558G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5755MHz

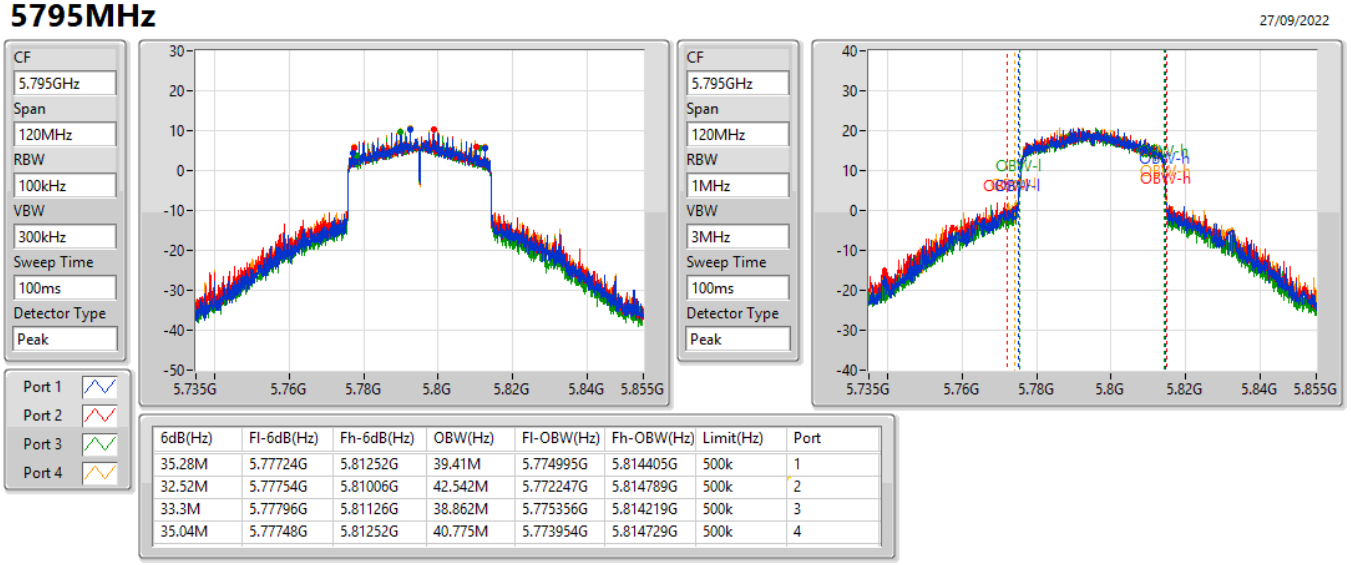
27/09/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
69.72M	5.7226G	5.79232G	Inf	1
78.3M	5.71474G	5.79304G	Inf	2
71.22M	5.71822G	5.78944G	Inf	3
74.82M	5.71822G	5.79304G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

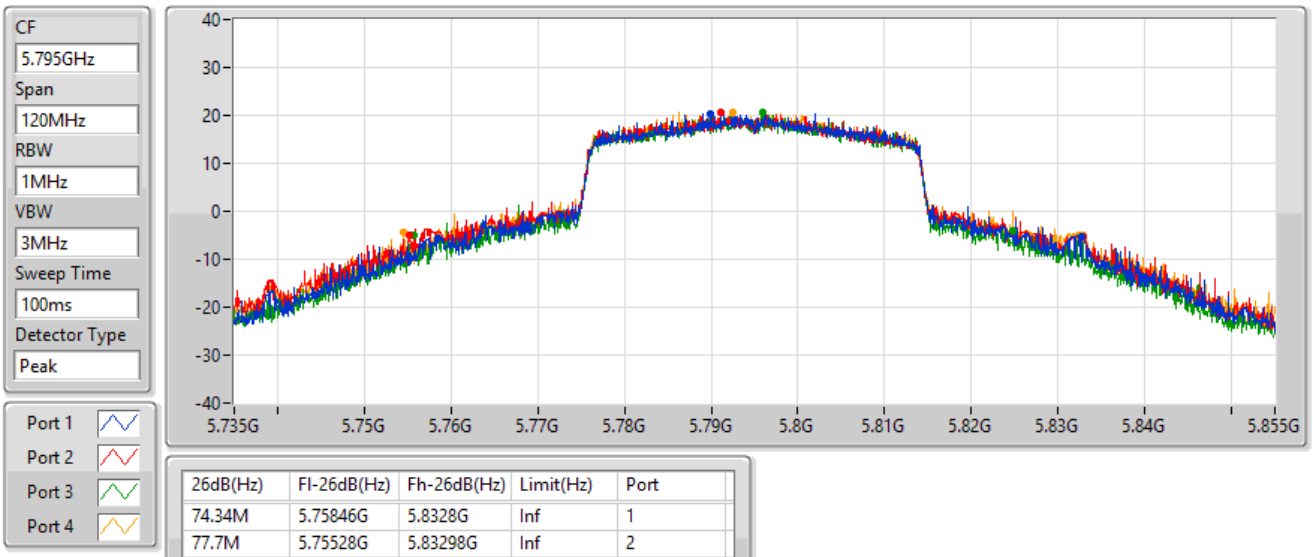
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.28M	5.77724G	5.81252G	39.41M	5.774995G	5.814405G	500k	1
32.52M	5.77754G	5.81006G	42.542M	5.772247G	5.814789G	500k	2
33.3M	5.777796G	5.81126G	38.862M	5.7753356G	5.814219G	500k	3
35.04M	5.77748G	5.81252G	40.775M	5.773954G	5.814729G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5795MHz

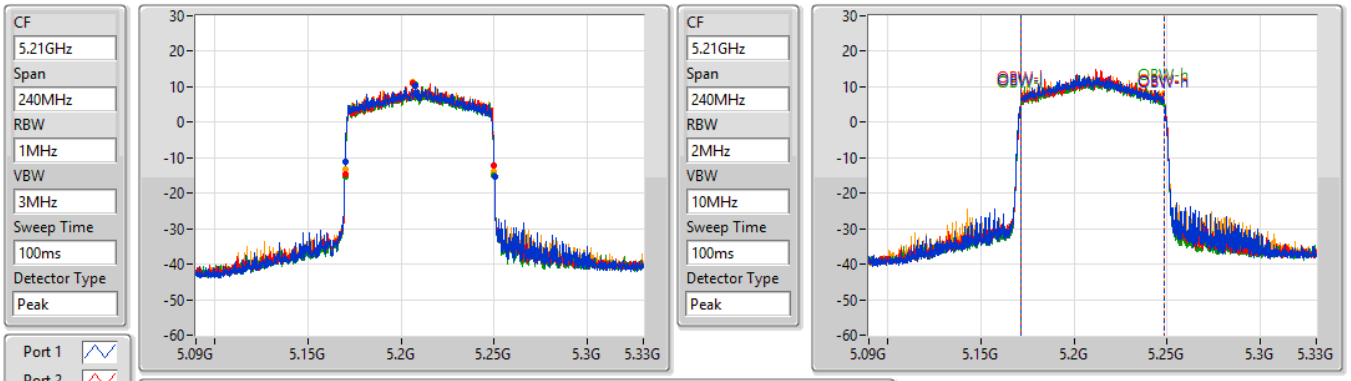


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
74.34M	5.75846G	5.8328G	Inf	1
77.7M	5.75528G	5.83298G	Inf	2
69M	5.75576G	5.82476G	Inf	3
78.36M	5.75456G	5.83292G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5210MHz

27/09/2022

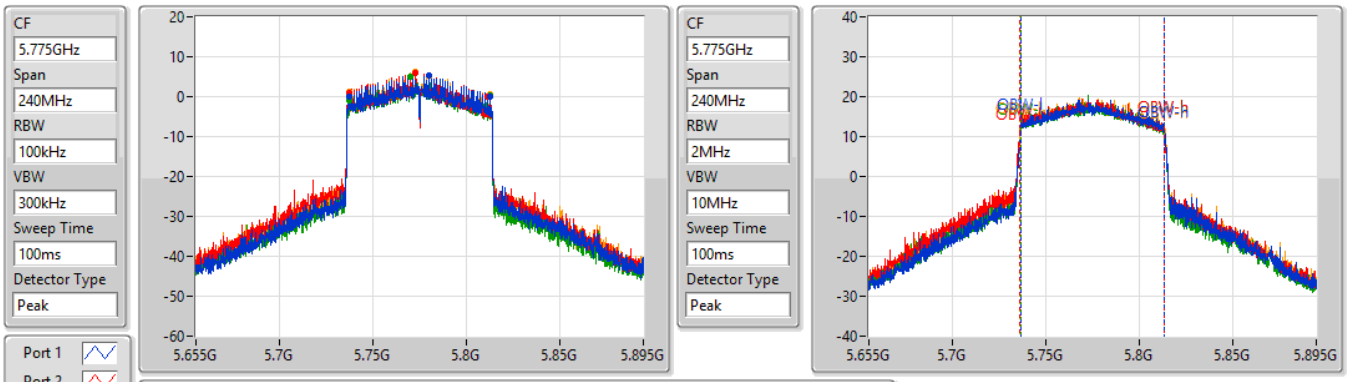


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.16M	5.17004G	5.2502G	76.736M	5.171542G	5.248278G	Inf	1
80.16M	5.16992G	5.25008G	76.77M	5.171598G	5.248368G	Inf	2
80.16M	5.16992G	5.25008G	76.735M	5.17167G	5.248405G	Inf	3
80.16M	5.16992G	5.25008G	76.783M	5.171626G	5.248409G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5775MHz

27/09/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75M	5.73744G	5.81244G	77.342M	5.736285G	5.813627G	500k	1
73.68M	5.73756G	5.81124G	77.612M	5.735935G	5.813547G	500k	2
75.12M	5.73744G	5.81256G	77.107M	5.736261G	5.813368G	500k	3
75.12M	5.73744G	5.81256G	77.436M	5.736133G	5.813569G	500k	4

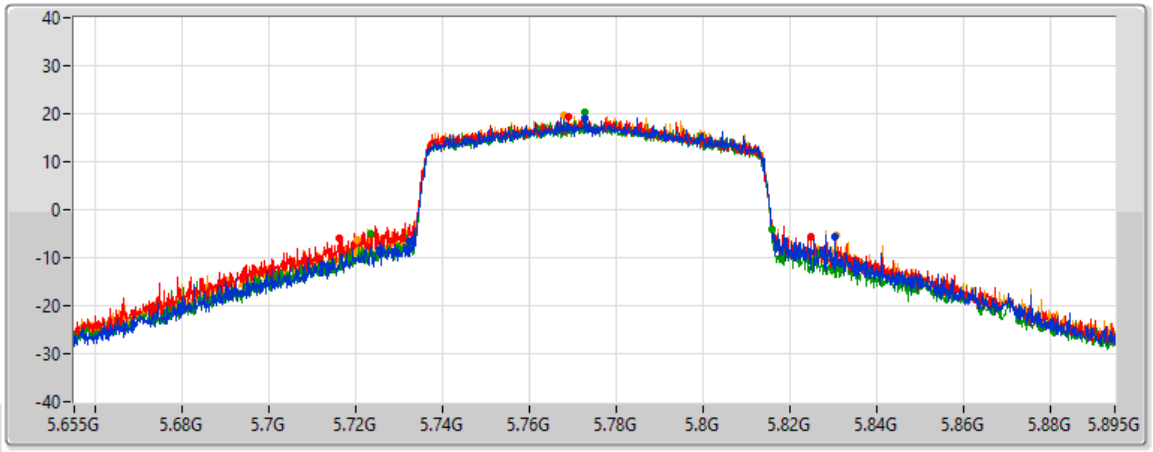
802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5775MHz

27/09/2022

CF
5.775GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak

Port 1
Port 2
Port 3
Port 4



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
98.04M	5.73252G	5.83056G	Inf	1
108.6M	5.7162G	5.8248G	Inf	2
92.4M	5.72352G	5.81592G	Inf	3
110.64M	5.72016G	5.8308G	Inf	4

For non-beamforming mode:
Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	28.88	0.77268
802.11ax HEW20_Nss1,(MCS0)_4TX	29.27	0.84528
802.11ax HEW40_Nss1,(MCS0)_4TX	29.29	0.84918
802.11ax HEW80_Nss1,(MCS0)_4TX	21.53	0.14223
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.94	0.98628
802.11ax HEW20_Nss1,(MCS0)_4TX	29.93	0.98401
802.11ax HEW40_Nss1,(MCS0)_4TX	29.92	0.98175
802.11ax HEW80_Nss1,(MCS0)_4TX	27.84	0.60814

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.29	22.40	23.13	21.87	22.33	28.48	30.00
5200MHz	Pass	5.29	22.63	23.61	22.31	22.77	28.88	30.00
5240MHz	Pass	5.29	22.23	23.44	22.09	22.29	28.57	30.00
5745MHz	Pass	5.82	23.50	23.93	23.58	24.13	29.81	30.00
5785MHz	Pass	5.82	23.71	23.85	23.59	24.15	29.85	30.00
5825MHz	Pass	5.82	23.77	23.94	23.76	24.20	29.94	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.29	19.54	20.19	18.84	19.43	25.55	30.00
5200MHz	Pass	5.29	22.98	23.70	23.35	22.76	29.23	30.00
5240MHz	Pass	5.29	23.03	23.84	23.46	22.56	29.27	30.00
5745MHz	Pass	5.82	23.33	23.74	23.28	23.83	29.57	30.00
5785MHz	Pass	5.82	24.06	23.54	23.18	23.73	29.66	30.00
5825MHz	Pass	5.82	23.79	24.02	23.68	24.14	29.93	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.29	17.34	16.87	16.48	17.27	23.02	30.00
5230MHz	Pass	5.29	23.08	23.85	23.49	22.57	29.29	30.00
5755MHz	Pass	5.82	23.76	24.03	23.66	24.13	29.92	30.00
5795MHz	Pass	5.82	23.60	23.67	23.60	23.88	29.71	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.29	15.60	15.50	15.02	15.87	21.53	30.00
5775MHz	Pass	5.82	21.60	22.25	21.38	21.98	27.84	30.00

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

For beamforming mode:
Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.27	0.84528
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.29	0.84918
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	21.53	0.14223
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.66	0.92470
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.71	0.93541
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	27.84	0.60814

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.65	19.54	20.19	18.84	19.43	25.55	30.00
5200MHz	Pass	5.65	22.98	23.70	23.35	22.76	29.23	30.00
5240MHz	Pass	5.65	23.03	23.84	23.46	22.56	29.27	30.00
5745MHz	Pass	6.22	23.33	23.74	23.28	23.83	29.57	29.78
5785MHz	Pass	6.22	24.06	23.54	23.18	23.73	29.66	29.78
5825MHz	Pass	6.22	23.38	23.57	23.13	23.68	29.47	29.78
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.65	17.34	16.87	16.48	17.27	23.02	30.00
5230MHz	Pass	5.65	23.08	23.85	23.49	22.57	29.29	30.00
5755MHz	Pass	6.22	23.41	23.65	23.34	23.91	29.60	29.78
5795MHz	Pass	6.22	23.60	23.67	23.60	23.88	29.71	29.78
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.65	15.60	15.50	15.02	15.87	21.53	30.00
5775MHz	Pass	6.22	21.60	22.25	21.38	21.98	27.84	29.78

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.89
802.11ax HEW20_Nss1,(MCS0)_4TX	16.83
802.11ax HEW40_Nss1,(MCS0)_4TX	13.95
802.11ax HEW80_Nss1,(MCS0)_4TX	3.65
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.57
802.11ax HEW20_Nss1,(MCS0)_4TX	15.87
802.11ax HEW40_Nss1,(MCS0)_4TX	13.05
802.11ax HEW80_Nss1,(MCS0)_4TX	8.35

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

Result

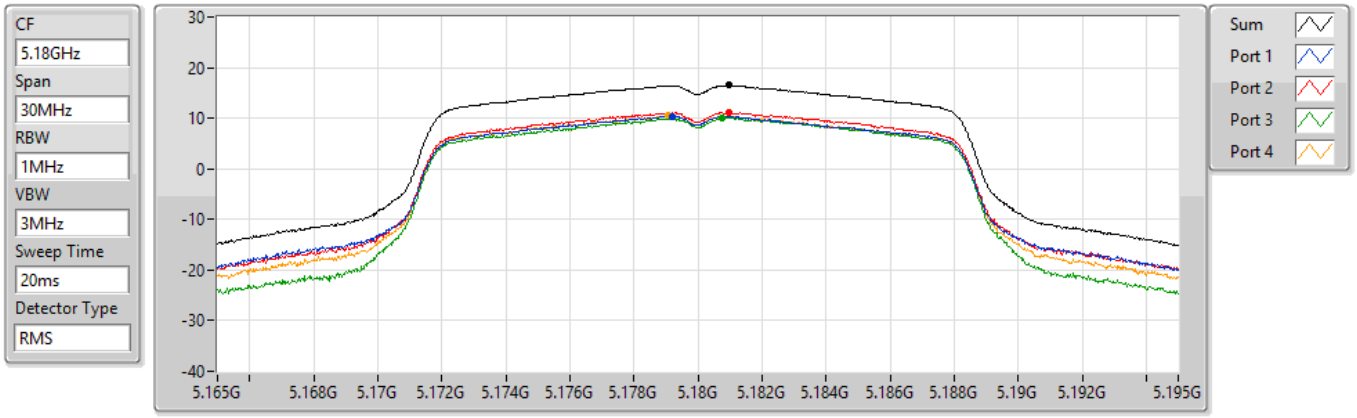
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.65	10.42	11.16	10.13	10.51	16.54	17.00
5200MHz	Pass	5.65	10.78	11.60	10.51	10.92	16.89	17.00
5240MHz	Pass	5.65	10.49	11.93	10.43	10.57	16.83	17.00
5745MHz	Pass	6.22	10.19	10.40	10.22	10.96	16.35	29.78
5785MHz	Pass	6.22	10.40	10.42	10.27	10.90	16.45	29.78
5825MHz	Pass	6.22	10.50	10.61	10.46	10.93	16.57	29.78
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.65	7.03	7.74	6.45	7.02	13.00	17.00
5200MHz	Pass	5.65	10.52	11.27	10.90	10.43	16.67	17.00
5240MHz	Pass	5.65	10.69	11.52	11.30	10.16	16.83	17.00
5745MHz	Pass	6.22	9.49	10.03	9.55	10.06	15.66	29.78
5785MHz	Pass	6.22	9.43	9.61	9.20	9.80	15.35	29.78
5825MHz	Pass	6.22	9.80	9.98	9.74	10.28	15.87	29.78
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.65	2.15	1.86	1.37	2.21	7.64	17.00
5230MHz	Pass	5.65	7.83	8.81	8.34	7.25	13.95	17.00
5755MHz	Pass	6.22	7.31	7.28	6.98	7.52	13.05	29.78
5795MHz	Pass	6.22	6.89	6.96	6.64	7.32	12.81	29.78
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.65	-2.26	-2.22	-2.81	-1.89	3.65	17.00
5775MHz	Pass	6.22	2.24	2.60	2.06	2.90	8.35	29.78

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

802.11a_Nss1,(6Mbps)_4TX PSD

5180MHz

27/09/2022

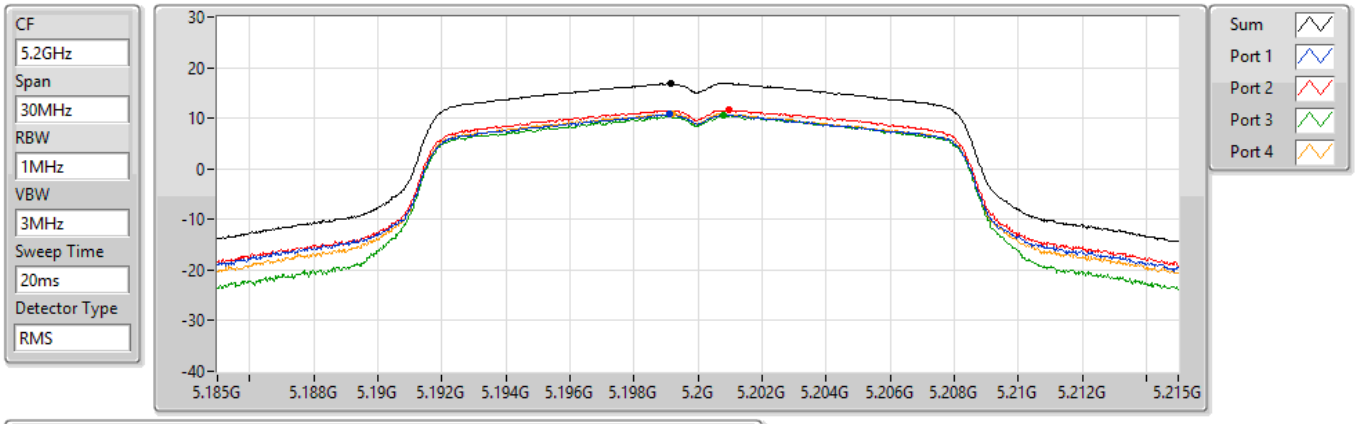


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.54	16.54	10.42	11.16	10.13	10.51

802.11a_Nss1,(6Mbps)_4TX PSD

5200MHz

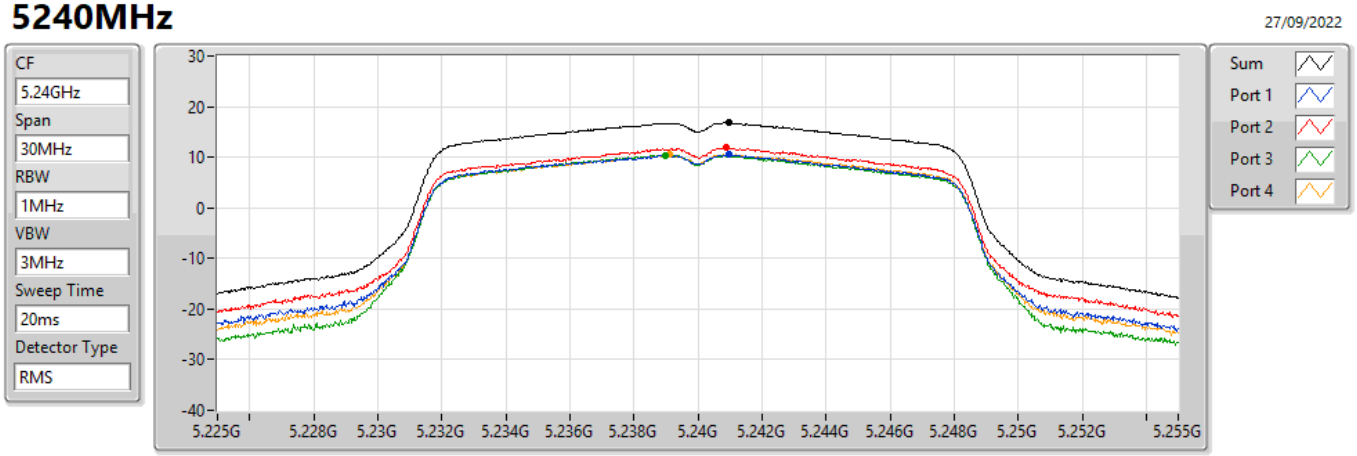
27/09/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.89	16.89	10.78	11.60	10.51	10.92

802.11a_Nss1,(6Mbps)_4TX PSD

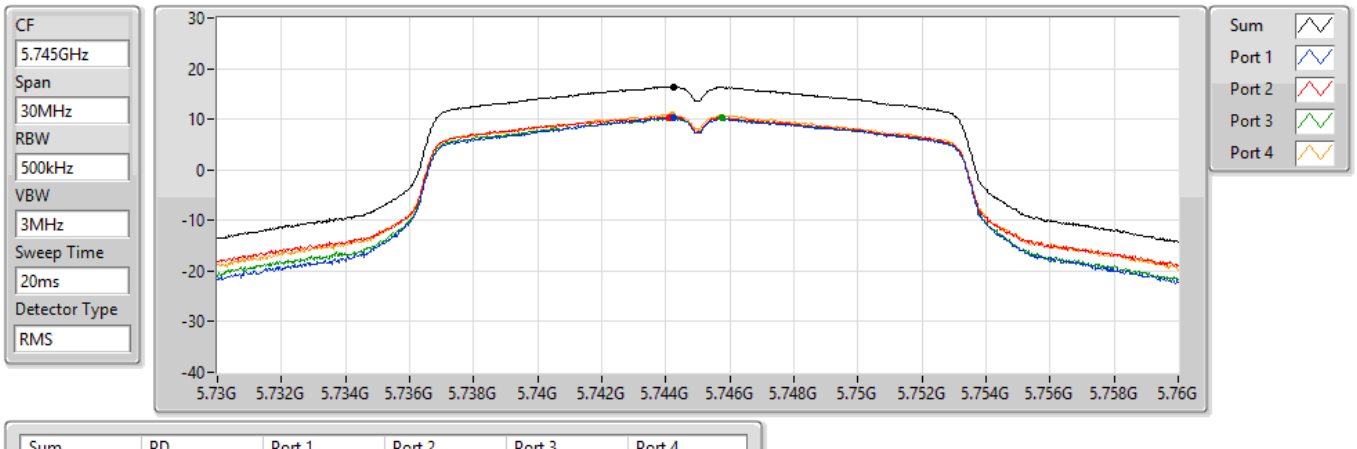
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.83	16.83	10.49	11.93	10.43	10.57

802.11a_Nss1,(6Mbps)_4TX PSD

5745MHz

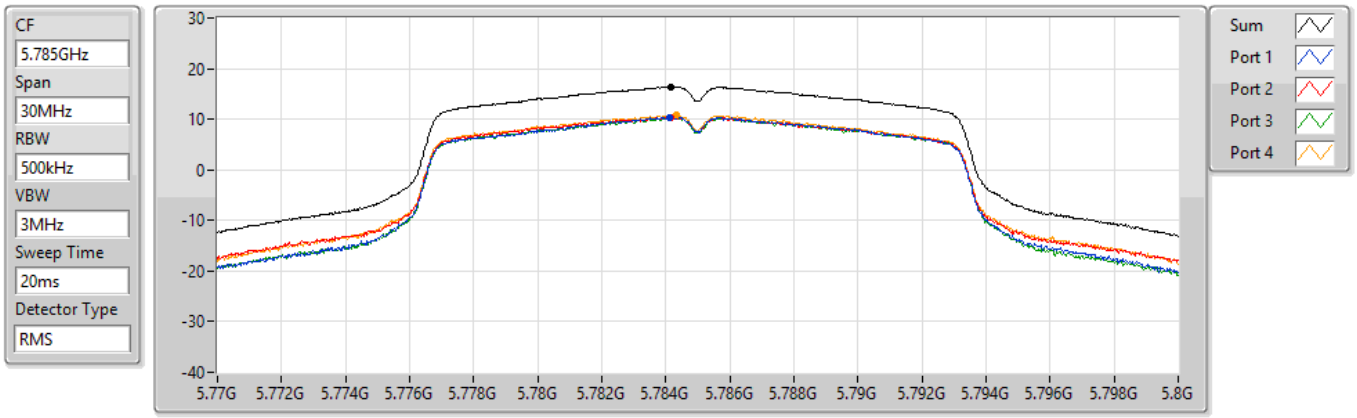


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.35	16.35	10.19	10.40	10.22	10.96

802.11a_Nss1,(6Mbps)_4TX PSD

5785MHz

27/09/2022

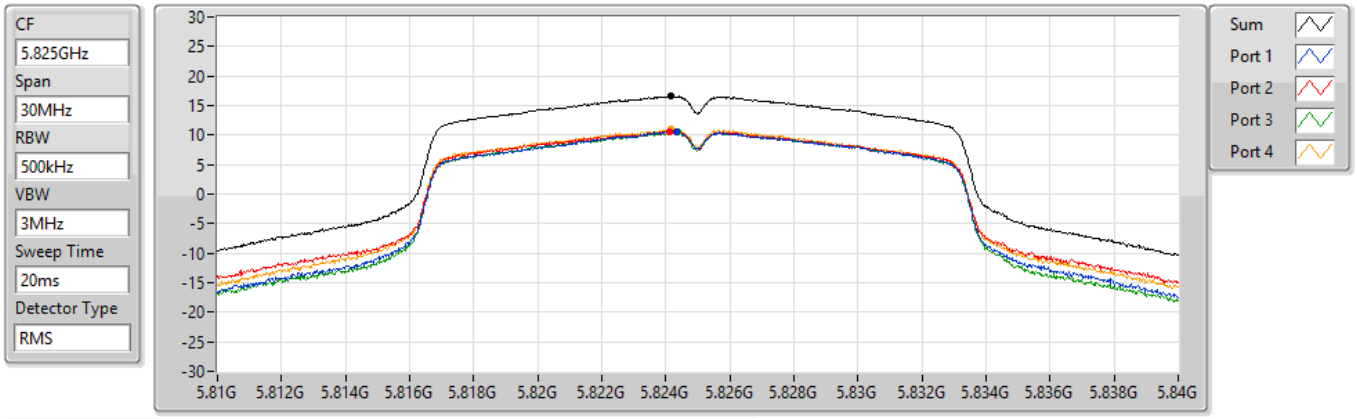


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.45	16.45	10.40	10.42	10.27	10.90

802.11a_Nss1,(6Mbps)_4TX PSD

5825MHz

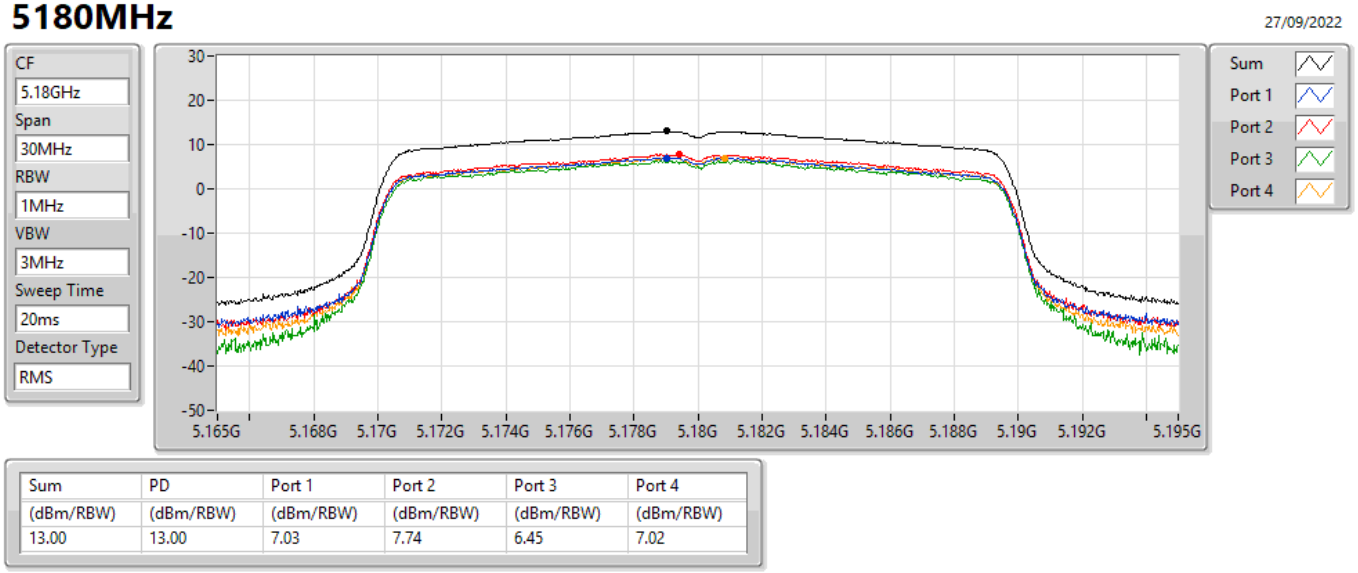
27/09/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.57	16.57	10.50	10.61	10.46	10.93

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

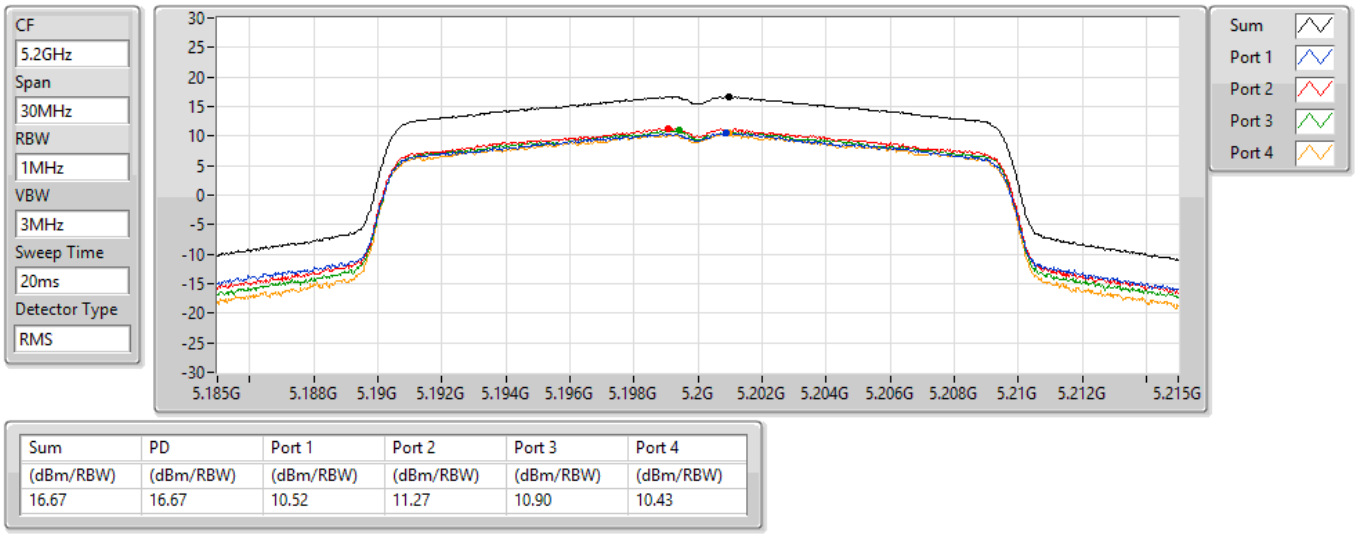
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.00	13.00	7.03	7.74	6.45	7.02

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5200MHz

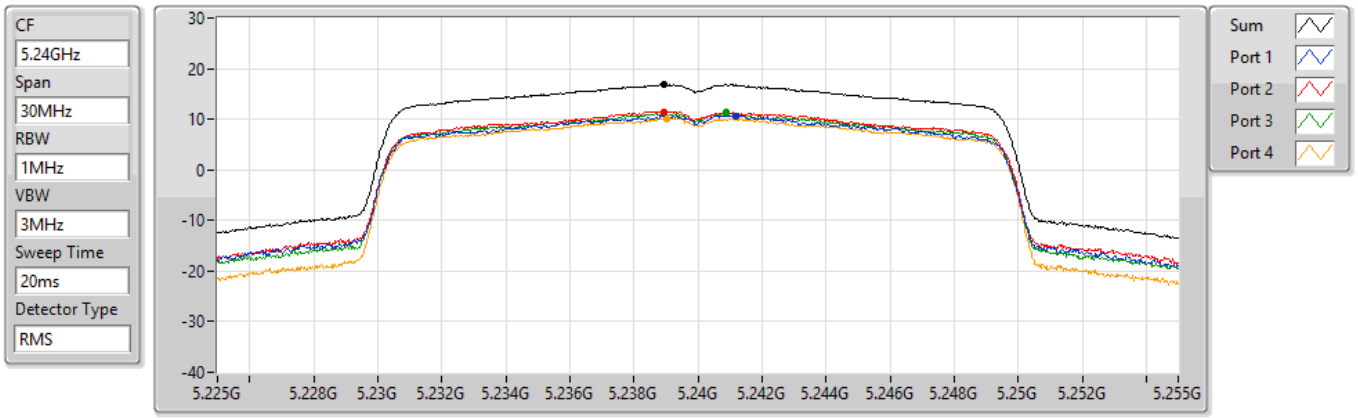


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.67	16.67	10.52	11.27	10.90	10.43

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5240MHz

27/09/2022

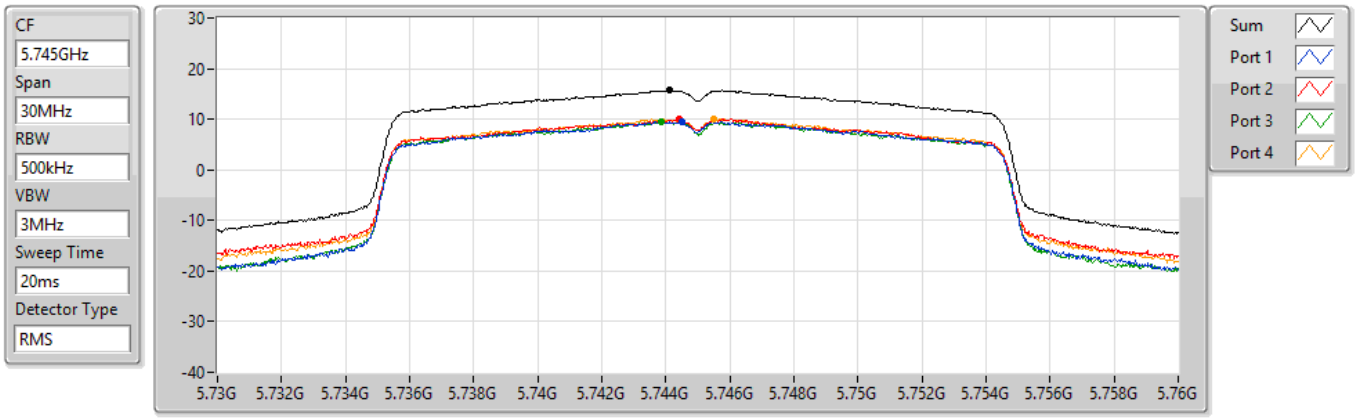


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.83	16.83	10.69	11.52	11.30	10.16

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5745MHz

27/09/2022

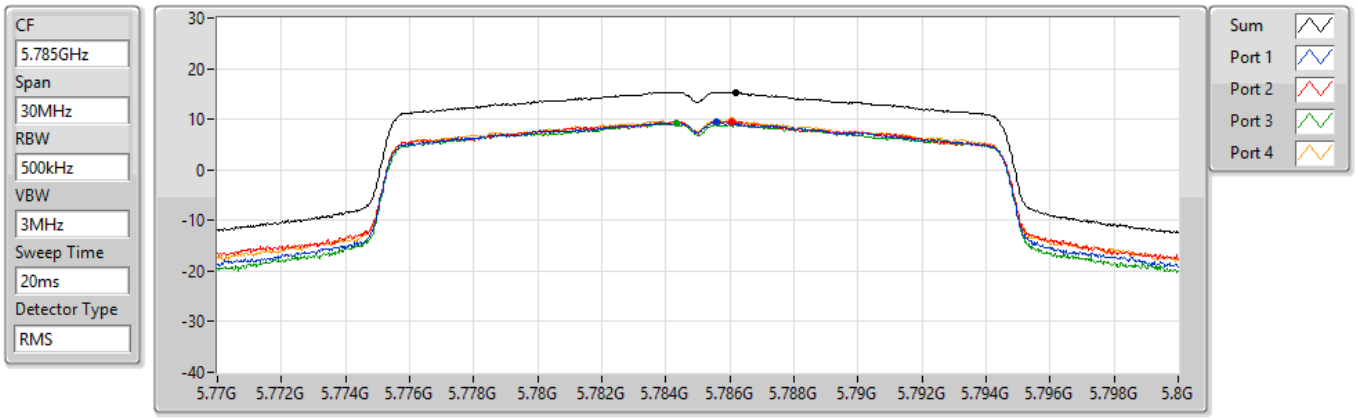


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.66	15.66	9.49	10.03	9.55	10.06

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5785MHz

27/09/2022

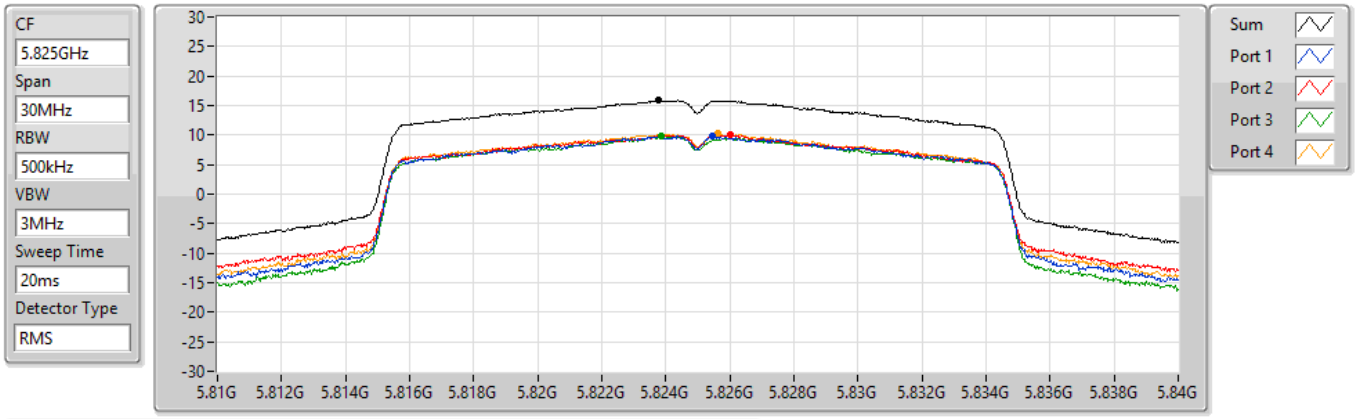


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.35	15.35	9.43	9.61	9.20	9.80

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5825MHz

27/09/2022

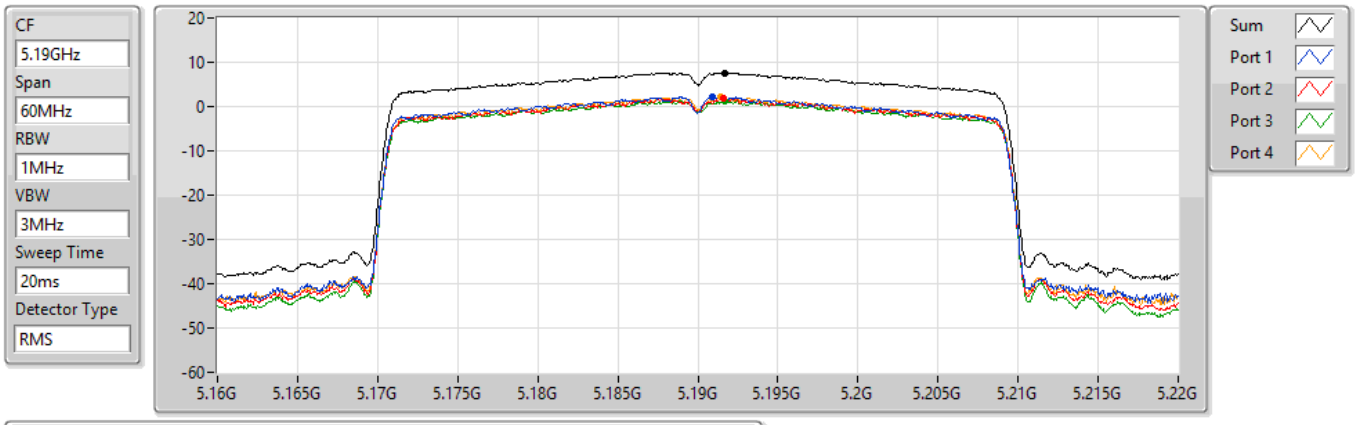


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.87	15.87	9.80	9.98	9.74	10.28

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5190MHz

27/09/2022

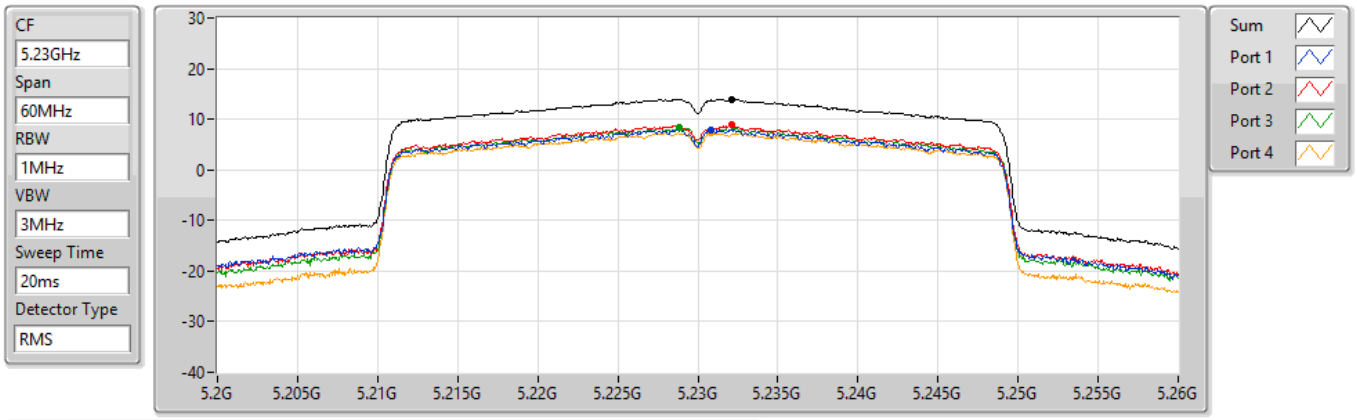


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.64	7.64	2.15	1.86	1.37	2.21

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5230MHz

27/09/2022

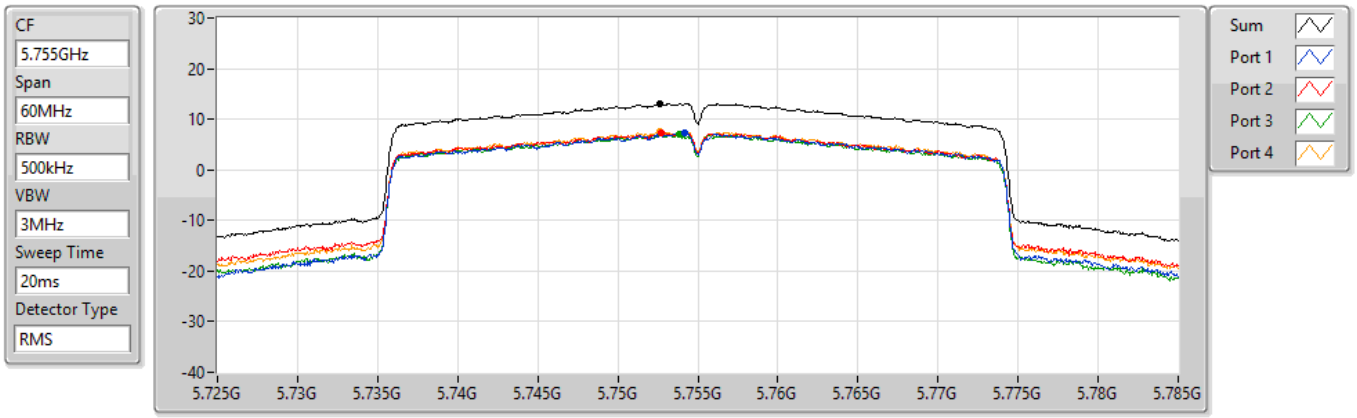


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.95	13.95	7.83	8.81	8.34	7.25

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5755MHz

27/09/2022

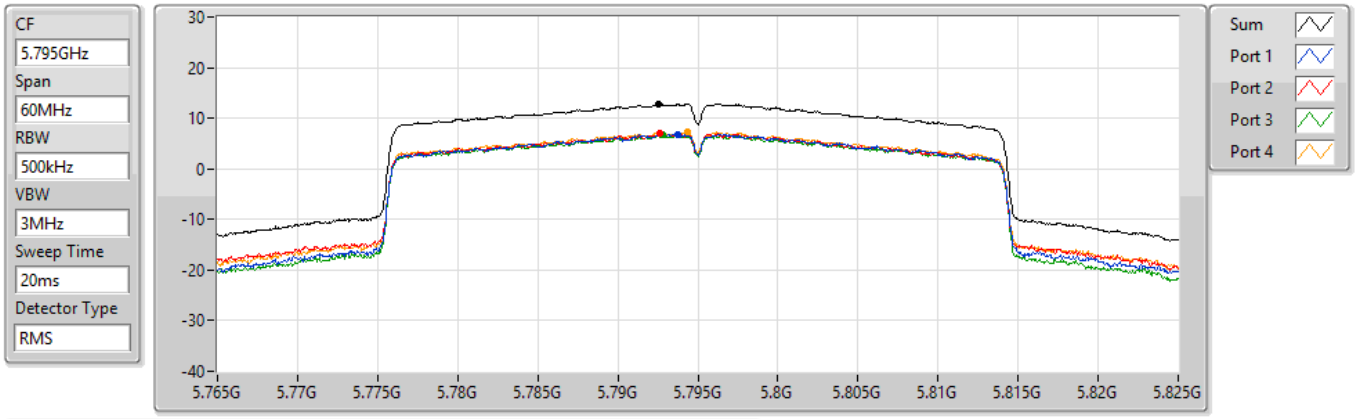


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.05	13.05	7.31	7.28	6.98	7.52

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5795MHz

27/09/2022

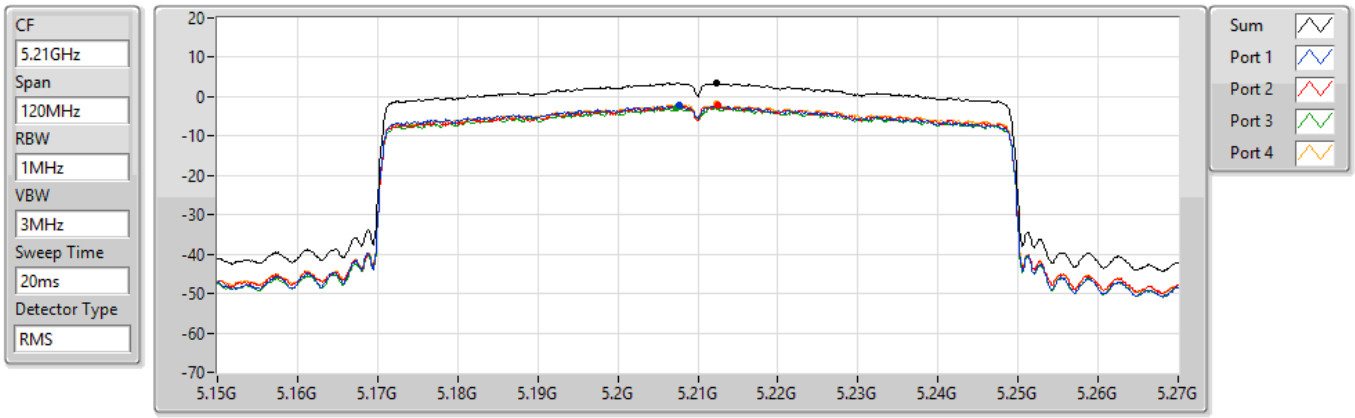


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.81	12.81	6.89	6.96	6.64	7.32

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5210MHz

27/09/2022

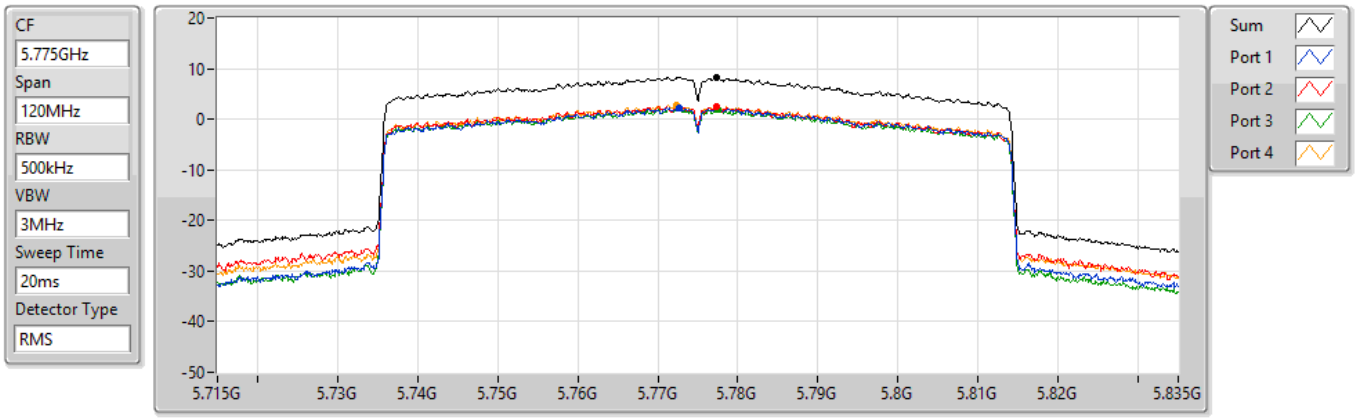


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.65	3.65	-2.26	-2.22	-2.81	-1.89

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5775MHz

27/09/2022

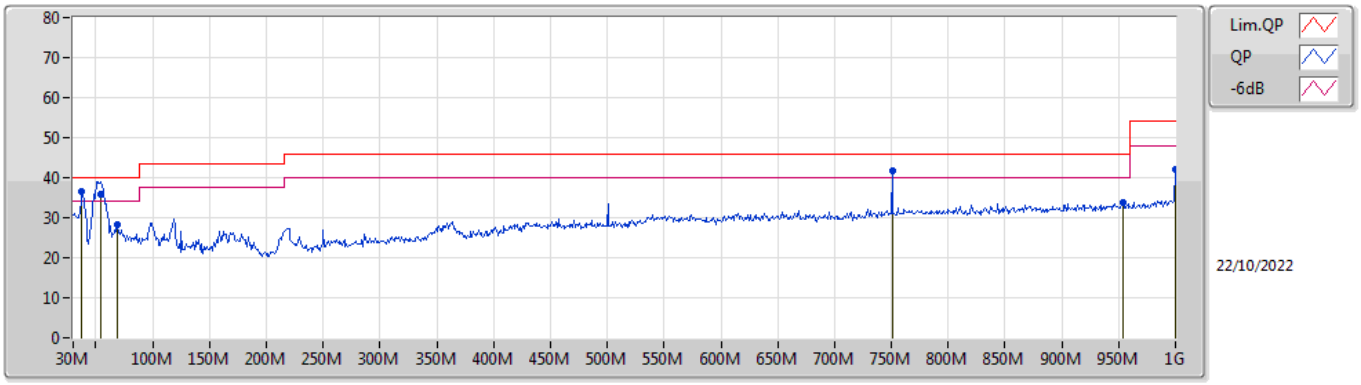


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.35	8.35	2.24	2.60	2.06	2.90

Summary

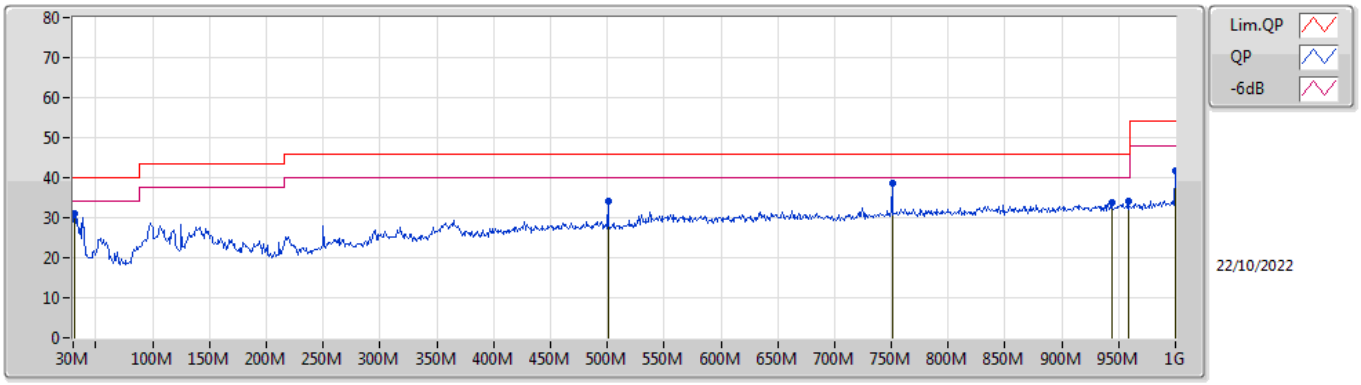
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	37.76M	36.64	40.00	-3.36	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	37.76M	36.64	40.00	-3.36	-7.20	3	Vertical	339	1.00	"Worst"	43.84	20.45	0.81	28.46
QP	54.25M	35.96	40.00	-4.04	-14.64	3	Vertical	360	1.00	-	50.60	12.89	0.96	28.49
PK	68.8M	28.21	40.00	-11.79	-15.13	3	Vertical	187	2.00	-	43.34	12.31	1.09	28.53
PK	750.71M	41.67	46.00	-4.33	0.31	3	Vertical	189	1.25	-	41.36	25.70	3.62	29.01
PK	953.44M	33.82	46.00	-12.18	2.41	3	Vertical	130	1.00	-	31.41	26.78	4.19	28.56
PK	1G	42.05	74.00	-31.95	3.23	3	Vertical	133	1.00	-	38.82	27.19	4.28	28.24

Mode 1



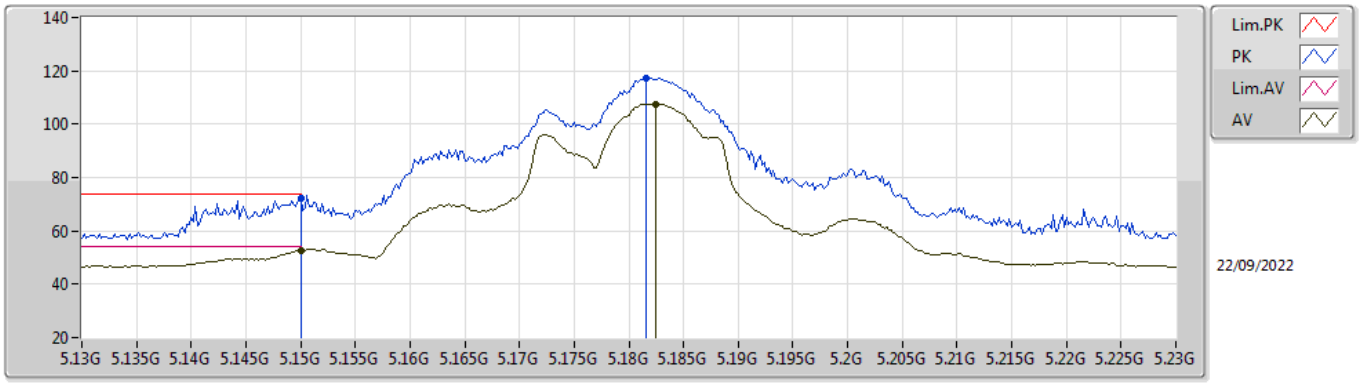
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	30.97M	31.12	40.00	-8.88	-3.22	3	Horizontal	243	1.50	-	34.34	24.50	0.75	28.47
PK	500.45M	34.06	46.00	-11.94	-2.99	3	Horizontal	233	2.00	-	37.05	23.21	2.96	29.16
PK	750.71M	38.77	46.00	-7.23	0.31	3	Horizontal	150	1.25	"Worst"	38.46	25.70	3.62	29.01
PK	943.74M	33.74	46.00	-12.26	2.23	3	Horizontal	343	2.00	-	31.51	26.66	4.16	28.59
PK	958.29M	34.31	46.00	-11.69	2.51	3	Horizontal	255	1.00	-	31.80	26.83	4.20	28.52
PK	1G	41.62	74.00	-32.38	3.23	3	Horizontal	158	1.50	-	38.39	27.19	4.28	28.24

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	AV	5.1488G	53.99	54.00	-0.01	3	Vertical	190	1.06	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

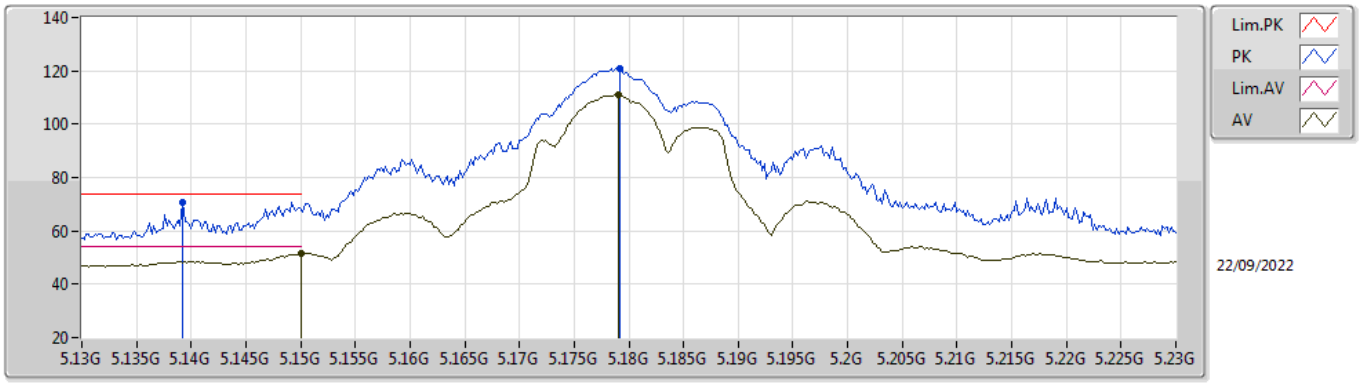


EUT Z_4TX
Setting 19
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	72.05	74.00	-1.95	67.06	3	Vertical	147	1.80	-	31.90	5.55	32.46
AV	5.15G	52.74	54.00	-1.26	47.75	3	Vertical	147	1.80	-	31.90	5.55	32.46
PK	5.1816G	117.33	Inf	-Inf	112.37	3	Vertical	147	1.80	-	31.84	5.58	32.46
AV	5.1824G	107.65	Inf	-Inf	102.69	3	Vertical	147	1.80	-	31.84	5.58	32.46

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

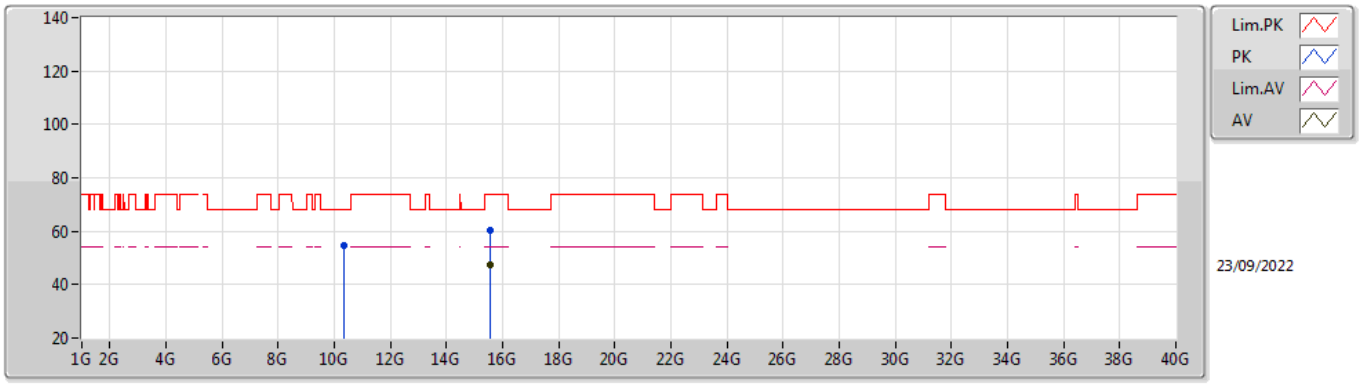


EUT Z_4TX
Setting 19
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1392G	70.59	74.00	-3.41	65.59	3	Horizontal	55	1.87	-	31.92	5.54	32.46
AV	5.15G	51.47	54.00	-2.53	46.48	3	Horizontal	55	1.87	-	31.90	5.55	32.46
PK	5.1792G	121.05	Inf	-Inf	116.09	3	Horizontal	55	1.87	-	31.84	5.58	32.46
AV	5.179G	111.02	Inf	-Inf	106.06	3	Horizontal	55	1.87	-	31.84	5.58	32.46

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

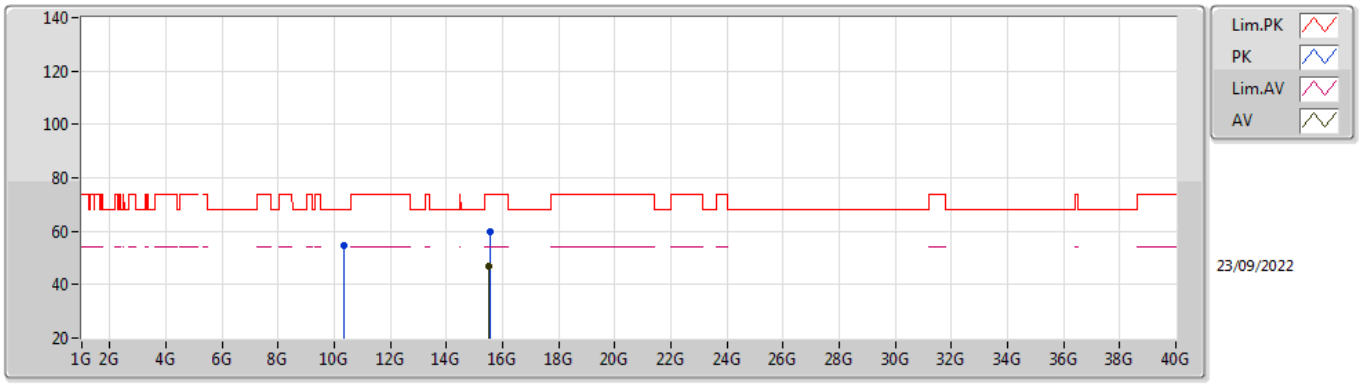


EUT Z_4TX
Setting 19
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.35982G	54.69	68.20	-13.51	40.83	3	Vertical	58	1.24	-	39.94	8.52	34.60
PK	15.54012G	60.13	74.00	-13.87	46.26	3	Vertical	277	1.40	-	38.46	10.23	34.82
AV	15.5394G	47.16	54.00	-6.84	33.29	3	Vertical	277	1.40	-	38.46	10.23	34.82

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TnomVnom

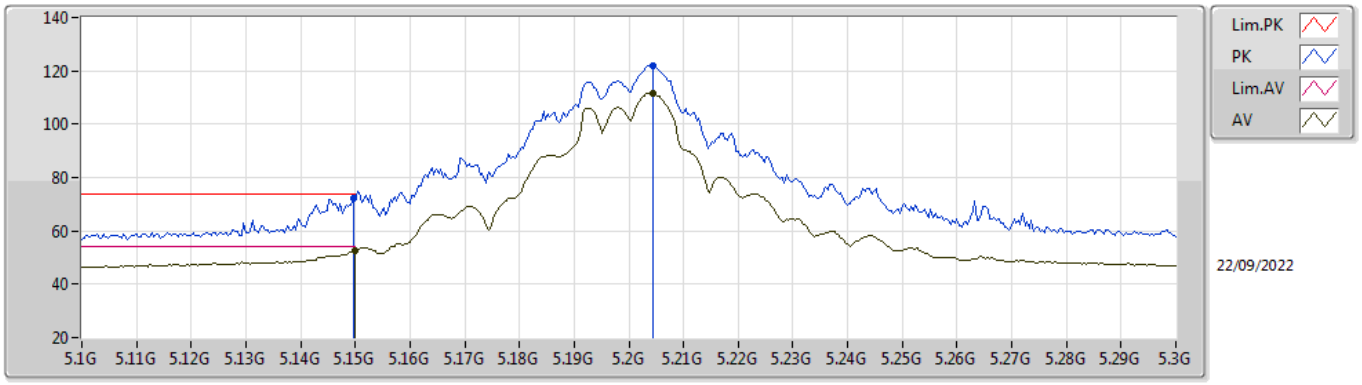


EUT Z_4TX
Setting 19
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.36036G	54.72	68.20	-13.48	40.86	3	Horizontal	66	2.09	-	39.94	8.52	34.60
PK	15.546G	59.88	74.00	-14.12	46.05	3	Horizontal	123	1.33	-	38.42	10.23	34.82
AV	15.53052G	46.99	54.00	-7.01	33.06	3	Horizontal	123	1.33	-	38.52	10.23	34.82

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

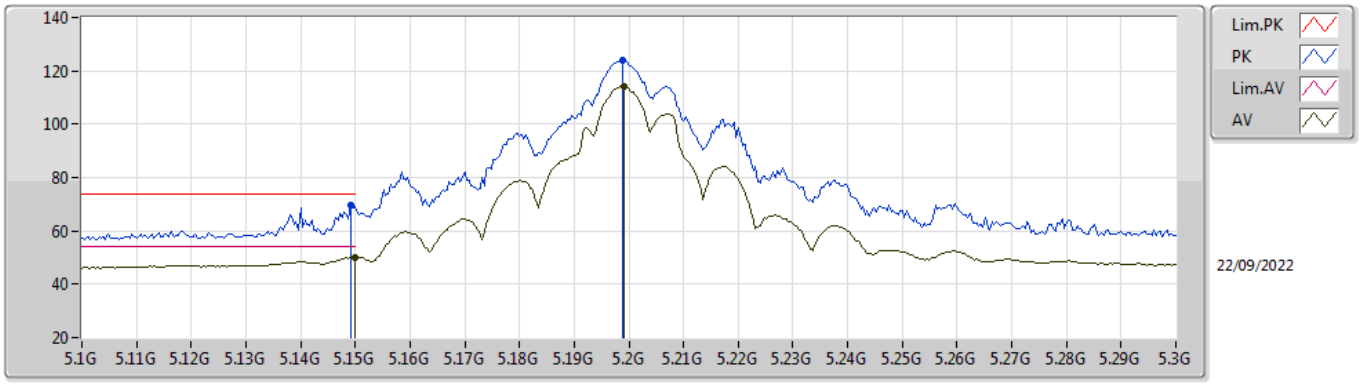


EUT Z_4TX
Setting 24
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1496G	72.09	74.00	-1.91	67.10	3	Vertical	225	2.04	-	31.90	5.55	32.46
AV	5.15G	52.76	54.00	-1.24	47.77	3	Vertical	225	2.04	-	31.90	5.55	32.46
PK	5.2044G	122.08	Inf	-Inf	117.16	3	Vertical	225	2.04	-	31.78	5.60	32.46
AV	5.2044G	111.62	Inf	-Inf	106.70	3	Vertical	225	2.04	-	31.78	5.60	32.46

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

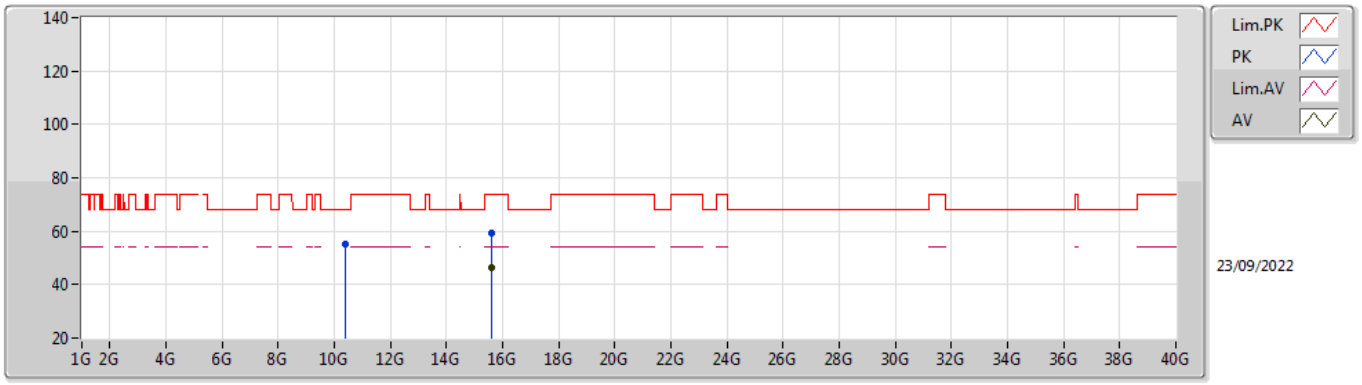


EUT Z_4TX
Setting 24
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1492G	69.82	74.00	-4.18	64.83	3	Horizontal	53	1.80	-	31.90	5.55	32.46
AV	5.15G	50.07	54.00	-3.93	45.08	3	Horizontal	53	1.80	-	31.90	5.55	32.46
PK	5.1988G	124.08	Inf	-Inf	119.14	3	Horizontal	53	1.80	-	31.80	5.60	32.46
AV	5.1992G	114.16	Inf	-Inf	109.22	3	Horizontal	53	1.80	-	31.80	5.60	32.46

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

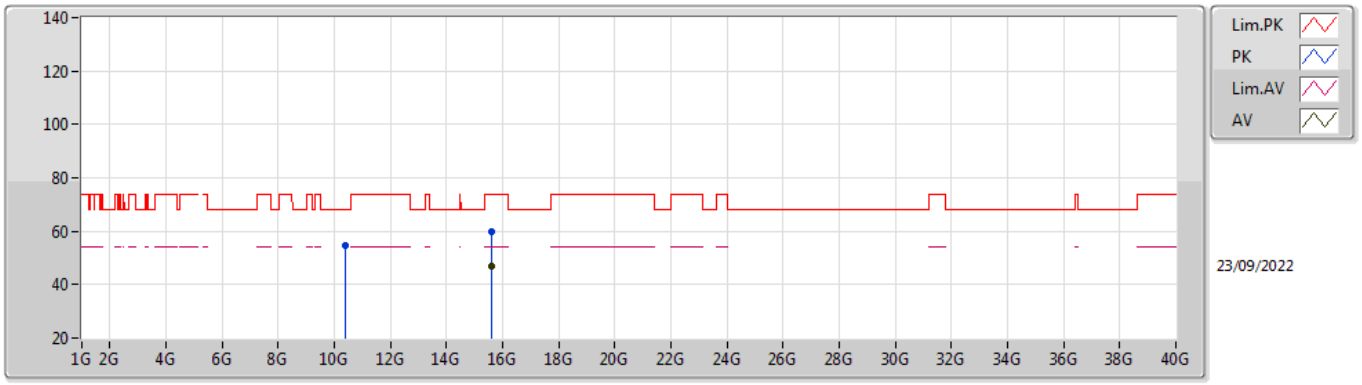


EUT Z_4TX
Setting 24
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.39016G	55.22	68.20	-12.98	41.25	3	Vertical	37	1.29	-	40.06	8.53	34.62
PK	15.59718G	59.36	74.00	-14.64	45.81	3	Vertical	221	1.25	-	38.12	10.24	34.81
AV	15.58626G	46.49	54.00	-7.51	32.88	3	Vertical	221	1.25	-	38.18	10.24	34.81

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TnomVnom

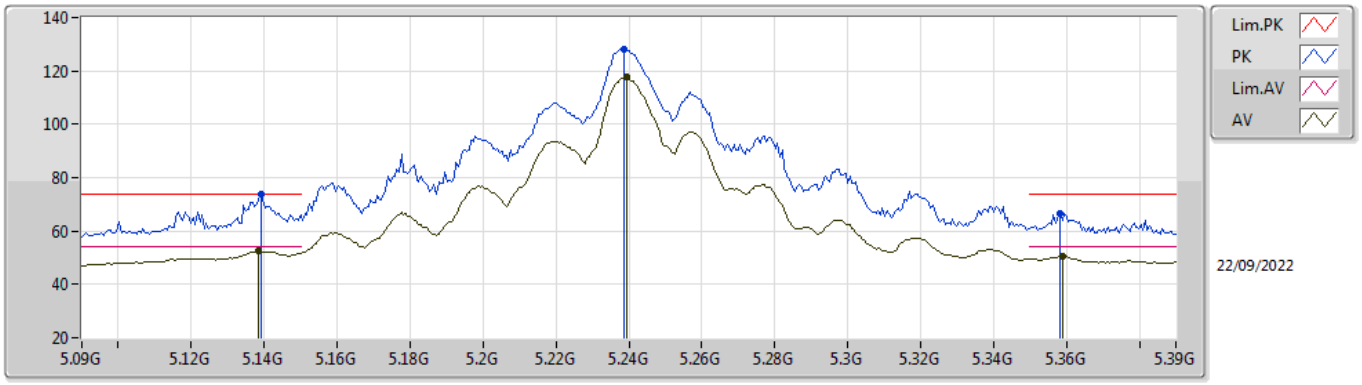


EUT Z_4TX
Setting 24
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.39052G	54.83	68.20	-13.37	40.86	3	Horizontal	11	1.39	-	40.06	8.53	34.62
PK	15.59694G	59.87	74.00	-14.13	46.32	3	Horizontal	220	2.12	-	38.12	10.24	34.81
AV	15.5901G	46.68	54.00	-7.32	33.09	3	Horizontal	220	2.12	-	38.16	10.24	34.81

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

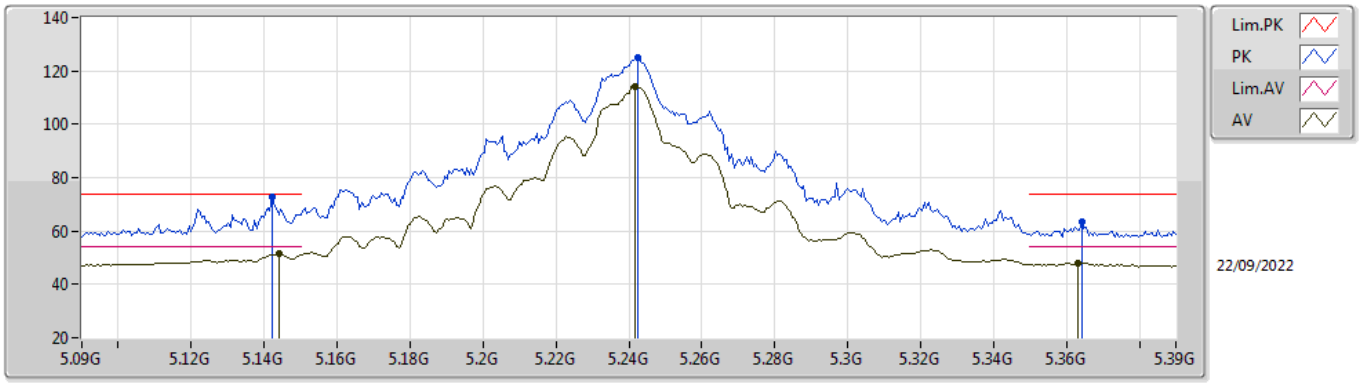


EUT Z_4TX
Setting 30
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1392G	73.90	74.00	-0.10	68.90	3	Vertical	186	1.06	-	31.92	5.54	32.46
AV	5.1386G	52.47	54.00	-1.53	47.47	3	Vertical	186	1.06	-	31.92	5.54	32.46
PK	5.2388G	127.95	Inf	-Inf	123.16	3	Vertical	186	1.06	-	31.64	5.62	32.47
AV	5.2394G	117.96	Inf	-Inf	113.17	3	Vertical	186	1.06	-	31.64	5.62	32.47
PK	5.3582G	66.75	74.00	-7.25	62.22	3	Vertical	186	1.06	-	31.33	5.68	32.48
AV	5.3588G	50.46	54.00	-3.54	45.92	3	Vertical	186	1.06	-	31.34	5.68	32.48

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

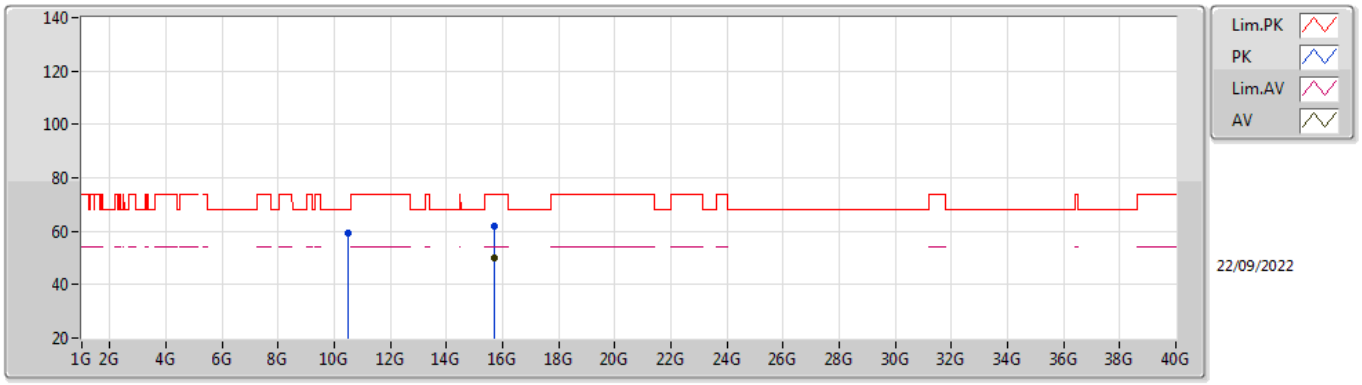


EUT Z_4TX
Setting 30
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1422G	72.85	74.00	-1.15	67.85	3	Horizontal	250	1.80	-	31.92	5.54	32.46
AV	5.144G	51.60	54.00	-2.40	46.61	3	Horizontal	250	1.80	-	31.91	5.54	32.46
PK	5.2424G	125.13	Inf	-Inf	120.35	3	Horizontal	250	1.80	-	31.63	5.62	32.47
AV	5.2418G	114.39	Inf	-Inf	109.61	3	Horizontal	250	1.80	-	31.63	5.62	32.47
PK	5.3642G	63.58	74.00	-10.42	59.02	3	Horizontal	250	1.80	-	31.36	5.68	32.48
AV	5.363G	48.01	54.00	-5.99	43.46	3	Horizontal	250	1.80	-	31.35	5.68	32.48

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

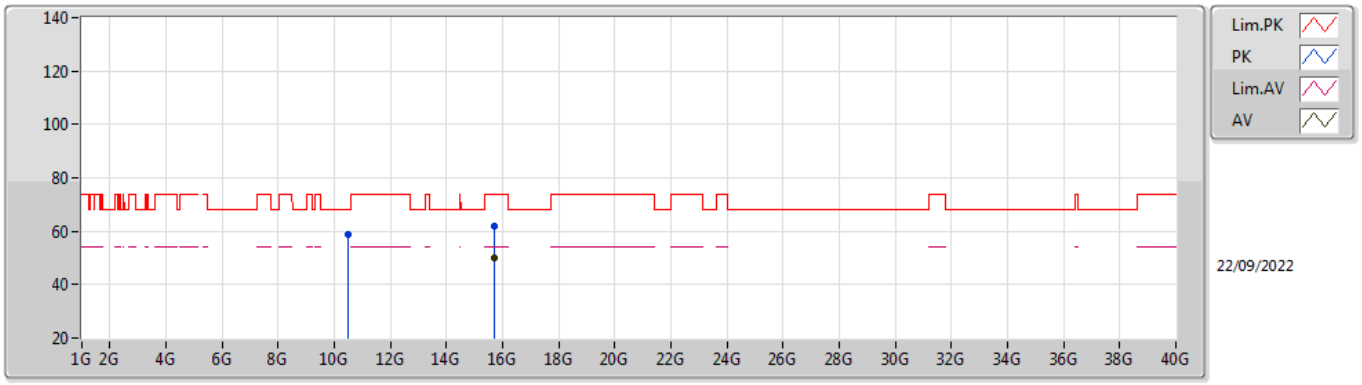


EUT Z_4TX
Setting 30
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4808G	59.17	68.20	-9.03	45.09	3	Vertical	232	2.64	-	40.18	8.59	34.69
PK	15.7216G	61.89	74.00	-12.11	48.54	3	Vertical	76	2.79	-	37.90	10.26	34.81
AV	15.7216G	49.82	54.00	-4.18	36.47	3	Vertical	76	2.79	-	37.90	10.26	34.81

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TnomVnom

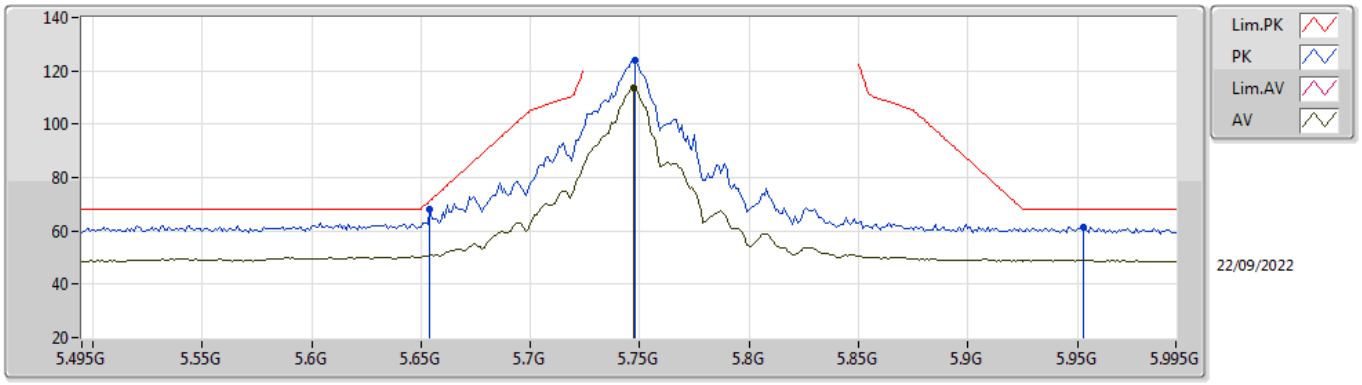


EUT Z_4TX
Setting 30
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4776G	58.73	68.20	-9.47	44.64	3	Horizontal	288	1.76	-	40.18	8.59	34.68
PK	15.7216G	62.05	74.00	-11.95	48.70	3	Horizontal	57	1.80	-	37.90	10.26	34.81
AV	15.7216G	50.25	54.00	-3.75	36.90	3	Horizontal	57	1.80	-	37.90	10.26	34.81

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

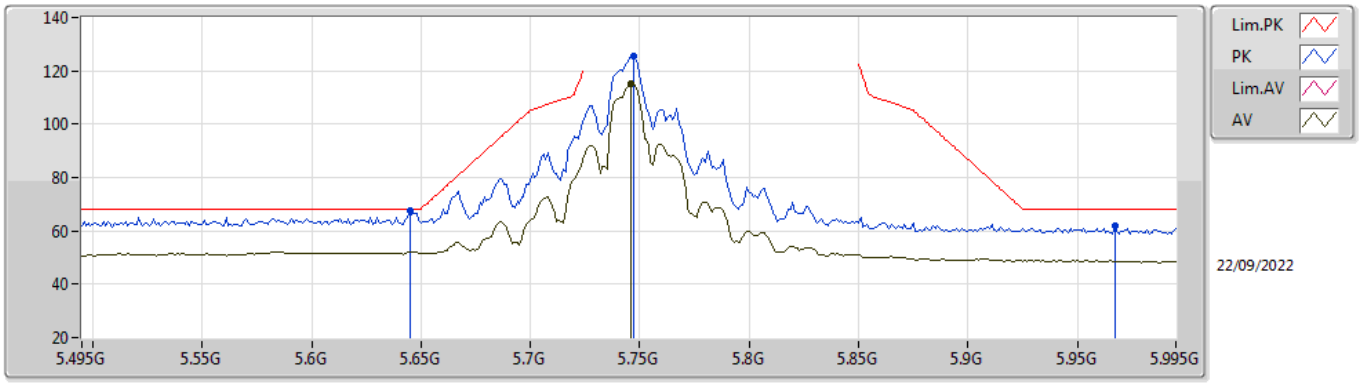


EUT Z_4TX
Setting 29.5
06-E-C-6-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.654G	68.11	71.16	-3.05	62.84	3	Vertical	246	1.80	-	31.82	5.90	32.45
PK	5.748G	123.71	Inf	-Inf	118.04	3	Vertical	246	1.80	-	32.19	5.90	32.42
AV	5.747G	113.67	Inf	-Inf	108.00	3	Vertical	246	1.80	-	32.19	5.90	32.42
PK	5.953G	61.57	68.20	-6.63	55.29	3	Vertical	246	1.80	-	32.59	6.05	32.36

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

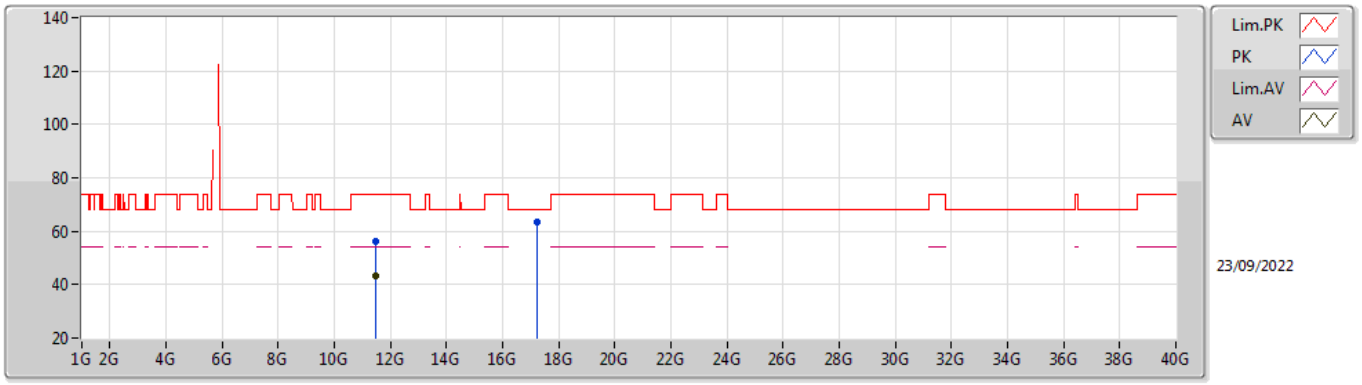


EUT Z_4TX
Setting 29.5
06-E-C-6-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.645G	67.43	68.20	-0.77	62.17	3	Horizontal	282	1.80	-	31.81	5.90	32.45
PK	5.747G	125.61	Inf	-Inf	119.94	3	Horizontal	282	1.80	-	32.19	5.90	32.42
AV	5.746G	115.38	Inf	-Inf	109.72	3	Horizontal	282	1.80	-	32.18	5.90	32.42
PK	5.967G	62.15	68.20	-6.05	55.86	3	Horizontal	282	1.80	-	32.57	6.07	32.35

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

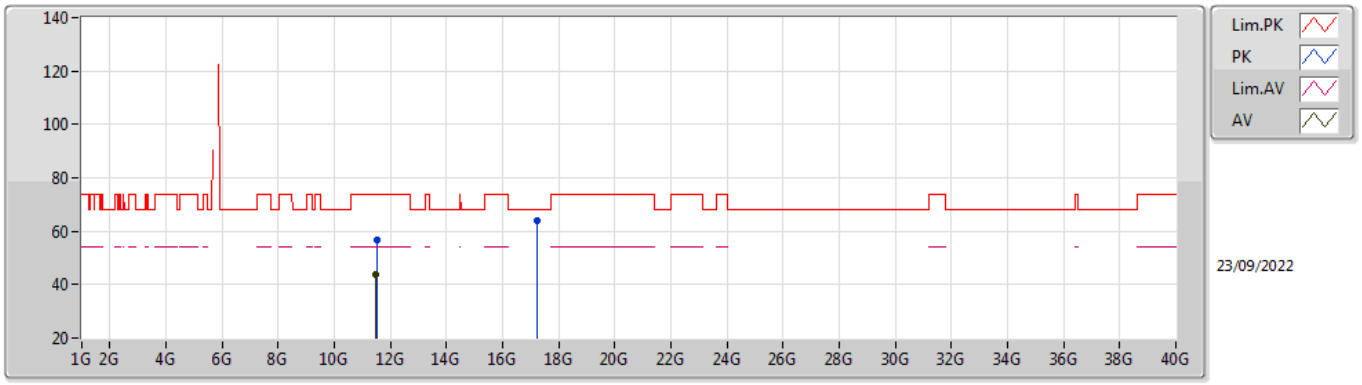


EUT Z_4TX
Setting 29.5
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.49396G	56.15	74.00	-17.85	41.48	3	Vertical	85	1.61	-	40.10	9.20	34.63
AV	11.47692G	43.41	54.00	-10.59	28.75	3	Vertical	85	1.61	-	40.10	9.19	34.63
PK	17.2395G	63.20	68.20	-5.00	46.24	3	Vertical	20	1.91	-	41.38	10.61	35.03

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TnomVnom

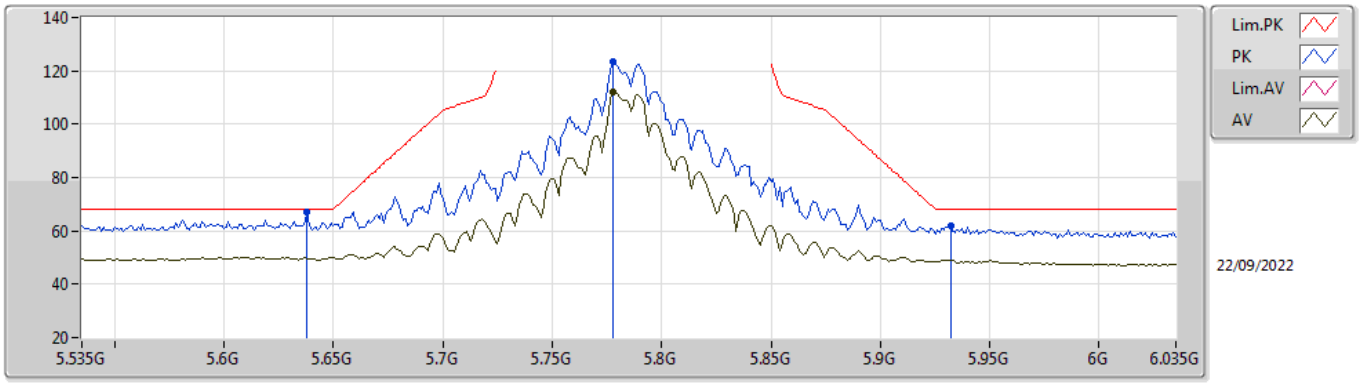


EUT Z_4TX
Setting 29.5
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.50338G	56.53	74.00	-17.47	41.87	3	Horizontal	327	2.91	-	40.09	9.20	34.63
AV	11.4822G	43.69	54.00	-10.31	29.03	3	Horizontal	327	2.91	-	40.10	9.19	34.63
PK	17.23476G	64.03	68.20	-4.17	47.08	3	Horizontal	47	2.20	-	41.37	10.61	35.03

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

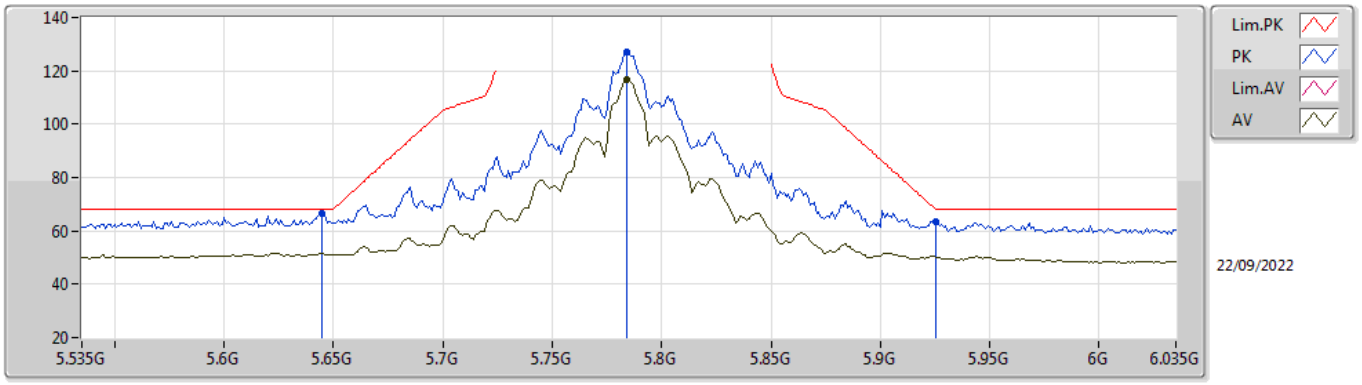


EUT Z_4TX
Setting 30
06-E-C-6-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.638G	67.16	68.20	-1.04	61.90	3	Vertical	247	2.43	-	31.82	5.90	32.46
PK	5.778G	123.34	Inf	-Inf	117.59	3	Vertical	247	2.43	-	32.26	5.90	32.41
AV	5.778G	112.26	Inf	-Inf	106.51	3	Vertical	247	2.43	-	32.26	5.90	32.41
PK	5.932G	62.10	68.20	-6.10	55.83	3	Vertical	247	2.43	-	32.60	6.03	32.36

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

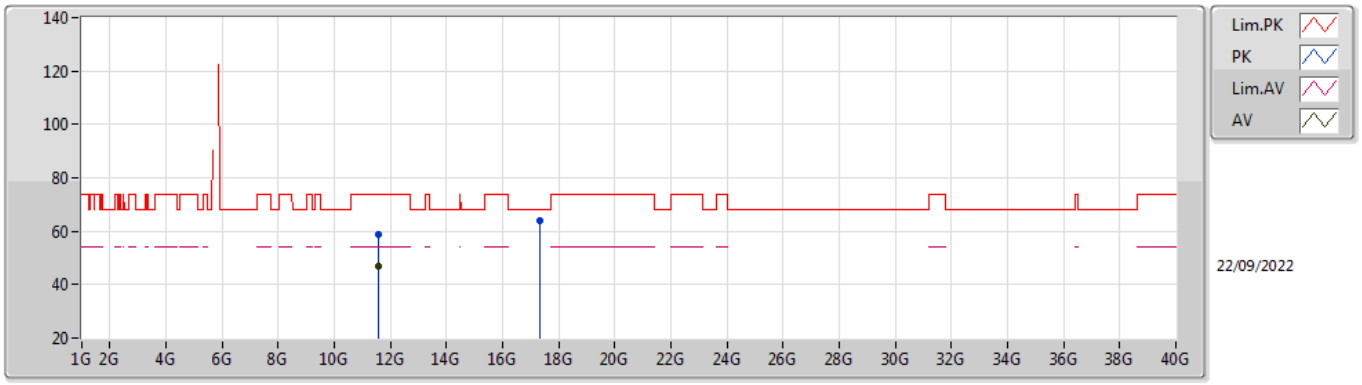


EUT Z_4TX
Setting 30
06-E-C-6-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.645G	66.32	68.20	-1.88	61.06	3	Horizontal	275	1.80	-	31.81	5.90	32.45
PK	5.784G	127.14	Inf	-Inf	121.38	3	Horizontal	275	1.80	-	32.27	5.90	32.41
AV	5.784G	116.78	Inf	-Inf	111.02	3	Horizontal	275	1.80	-	32.27	5.90	32.41
PK	5.925G	63.56	68.20	-4.64	57.29	3	Horizontal	275	1.80	-	32.60	6.03	32.36

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

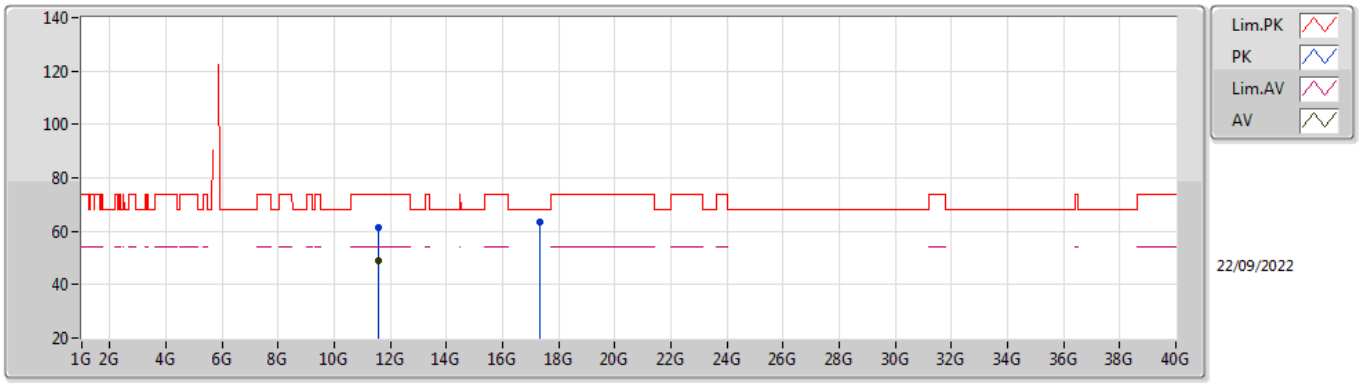


EUT Z_4TX
Setting 30
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.566G	59.04	74.00	-14.96	44.47	3	Vertical	158	1.80	-	39.97	9.24	34.64
AV	11.5652G	46.65	54.00	-7.35	32.08	3	Vertical	158	1.80	-	39.97	9.24	34.64
PK	17.3463G	63.71	68.20	-4.49	46.28	3	Vertical	5	2.33	-	41.96	10.64	35.17

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TnomVnom

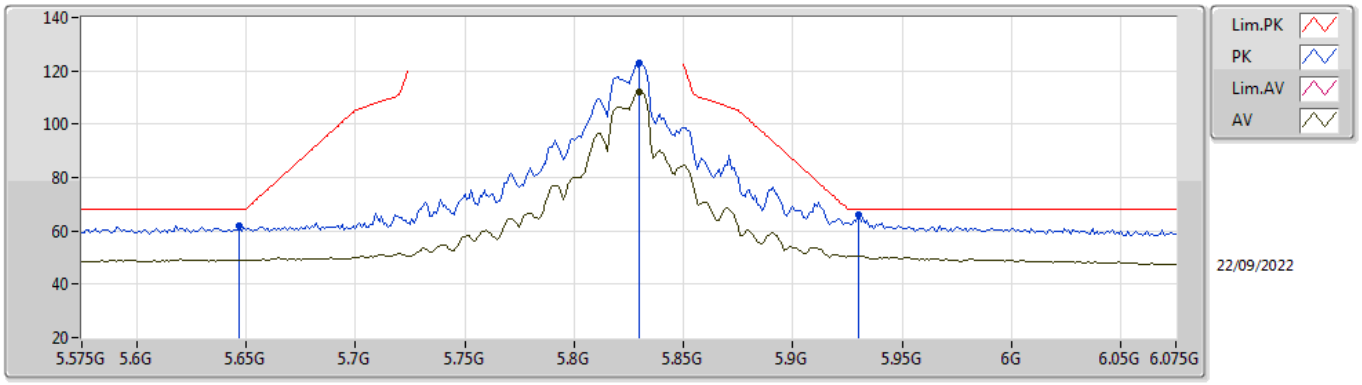


EUT Z_4TX
Setting 30
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5644G	61.23	74.00	-12.77	46.66	3	Horizontal	232	1.80	-	39.97	9.24	34.64
AV	11.5668G	49.09	54.00	-4.91	34.52	3	Horizontal	232	1.80	-	39.97	9.24	34.64
PK	17.35044G	63.35	68.20	-4.85	45.88	3	Horizontal	177	1.77	-	42.00	10.64	35.17

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

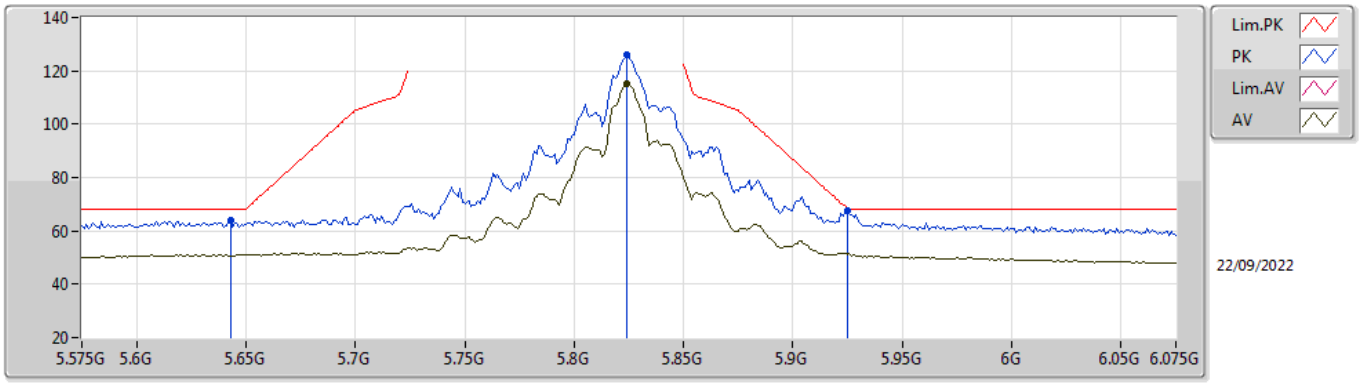


EUT Z_4TX
Setting 30
06-E-C-6-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.647G	61.80	68.20	-6.40	56.54	3	Vertical	242	1.87	-	31.81	5.90	32.45
PK	5.83G	122.99	Inf	-Inf	117.15	3	Vertical	242	1.87	-	32.30	5.93	32.39
AV	5.83G	112.31	Inf	-Inf	106.47	3	Vertical	242	1.87	-	32.30	5.93	32.39
PK	5.93G	66.05	68.20	-2.15	59.78	3	Vertical	242	1.87	-	32.60	6.03	32.36

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

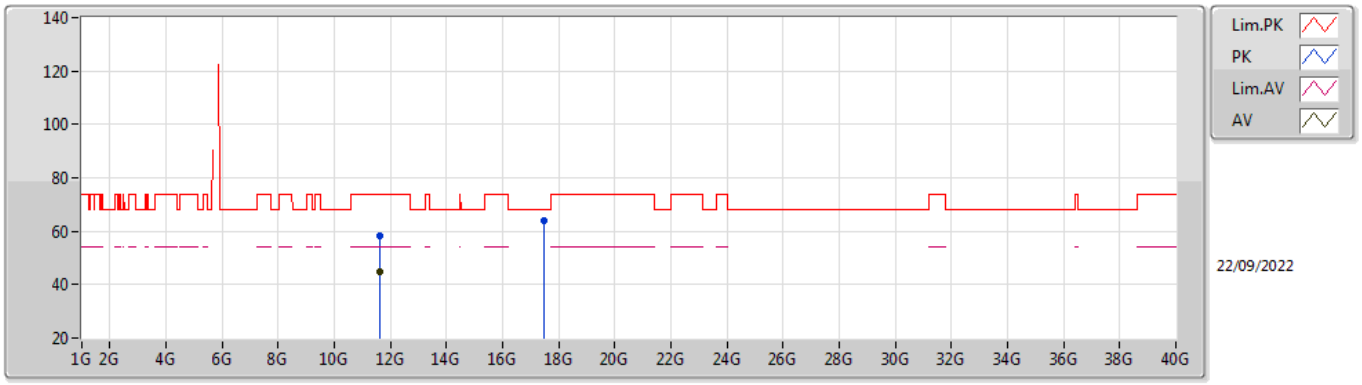


EUT Z_4TX
Setting 30
06-E-C-6-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.643G	64.19	68.20	-4.01	58.93	3	Horizontal	276	1.78	-	31.81	5.90	32.45
PK	5.824G	125.81	Inf	-Inf	119.99	3	Horizontal	276	1.78	-	32.30	5.92	32.40
AV	5.824G	115.41	Inf	-Inf	109.59	3	Horizontal	276	1.78	-	32.30	5.92	32.40
PK	5.925G	67.35	68.20	-0.85	61.08	3	Horizontal	276	1.78	-	32.60	6.03	32.36

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

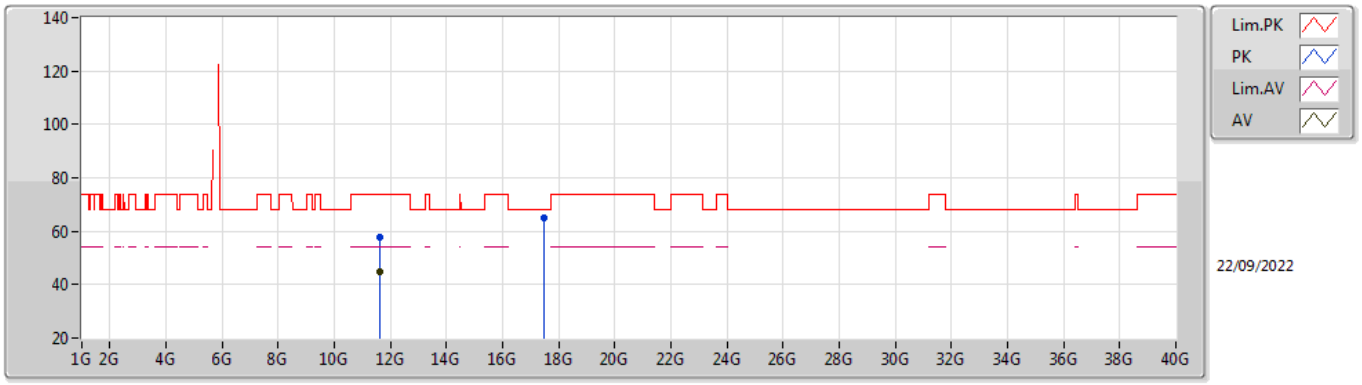


EUT Z_4TX
Setting 30
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.646G	58.40	74.00	-15.60	44.13	3	Vertical	313	1.80	-	39.62	9.29	34.64
AV	11.6452G	44.83	54.00	-9.17	30.55	3	Vertical	313	1.80	-	39.63	9.29	34.64
PK	17.46954G	63.99	68.20	-4.21	45.44	3	Vertical	310	2.39	-	43.20	10.67	35.32

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TnomVnom

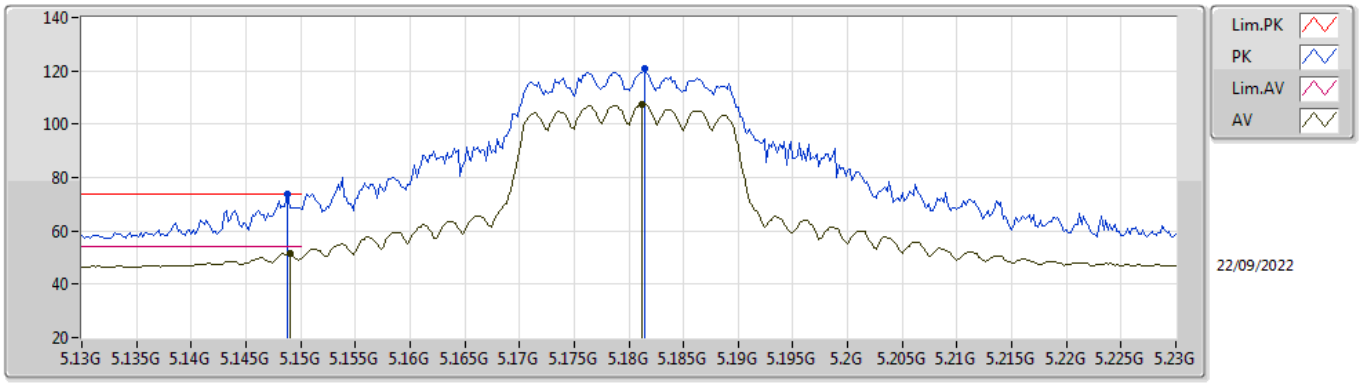


EUT Z_4TX
Setting 30
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6444G	57.99	74.00	-16.01	43.71	3	Horizontal	55	2.37	-	39.63	9.29	34.64
AV	11.6444G	44.67	54.00	-9.33	30.39	3	Horizontal	55	2.37	-	39.63	9.29	34.64
PK	17.47296G	64.85	68.20	-3.35	46.28	3	Horizontal	98	1.80	-	43.23	10.67	35.33

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

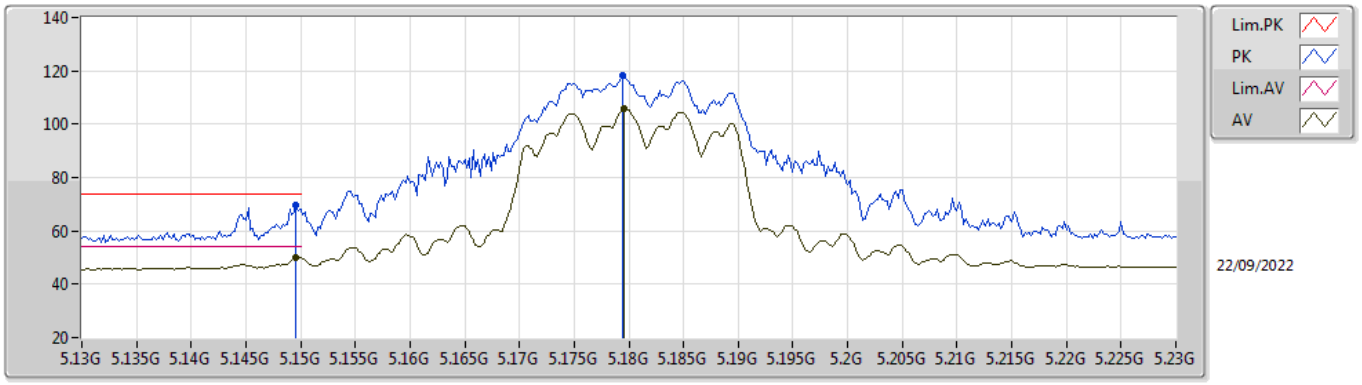


EUT Z_4TX
Setting 16.5
06-E-C-6-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1488G	73.72	74.00	-0.28	68.73	3	Vertical	192	1.01	-	31.90	5.55	32.46
AV	5.149G	51.40	54.00	-2.60	46.41	3	Vertical	192	1.01	-	31.90	5.55	32.46
PK	5.1814G	120.95	Inf	-Inf	115.99	3	Vertical	192	1.01	-	31.84	5.58	32.46
AV	5.1812G	107.61	Inf	-Inf	102.65	3	Vertical	192	1.01	-	31.84	5.58	32.46

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

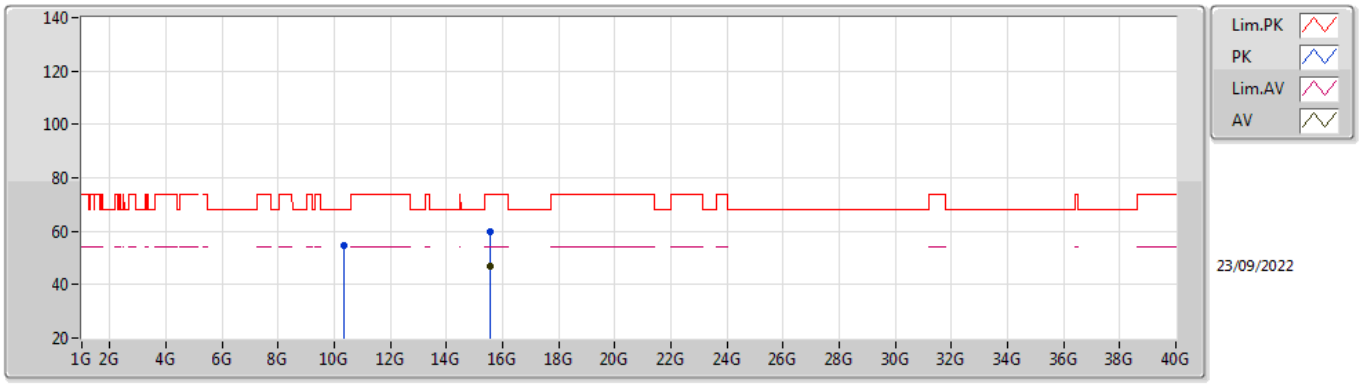


EUT Z_4TX
Setting 16.5
06-E-C-6-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1496G	69.45	74.00	-4.55	64.46	3	Horizontal	56	1.78	-	31.90	5.55	32.46
AV	5.1496G	50.01	54.00	-3.99	45.02	3	Horizontal	56	1.78	-	31.90	5.55	32.46
PK	5.1794G	118.16	Inf	-Inf	113.20	3	Horizontal	56	1.78	-	31.84	5.58	32.46
AV	5.1796G	105.91	Inf	-Inf	100.95	3	Horizontal	56	1.78	-	31.84	5.58	32.46

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

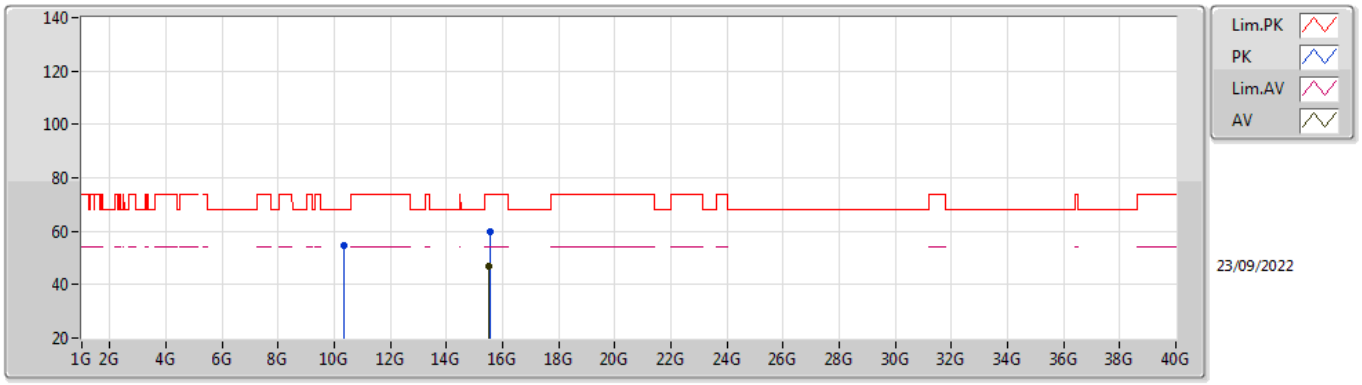


EUT Z_4TX
Setting 16.5
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.34728G	54.55	68.20	-13.65	40.74	3	Vertical	287	1.62	-	39.89	8.51	34.59
PK	15.54414G	59.65	74.00	-14.35	45.80	3	Vertical	93	1.08	-	38.44	10.23	34.82
AV	15.55338G	46.82	54.00	-7.18	33.03	3	Vertical	93	1.08	-	38.38	10.23	34.82

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TnomVnom

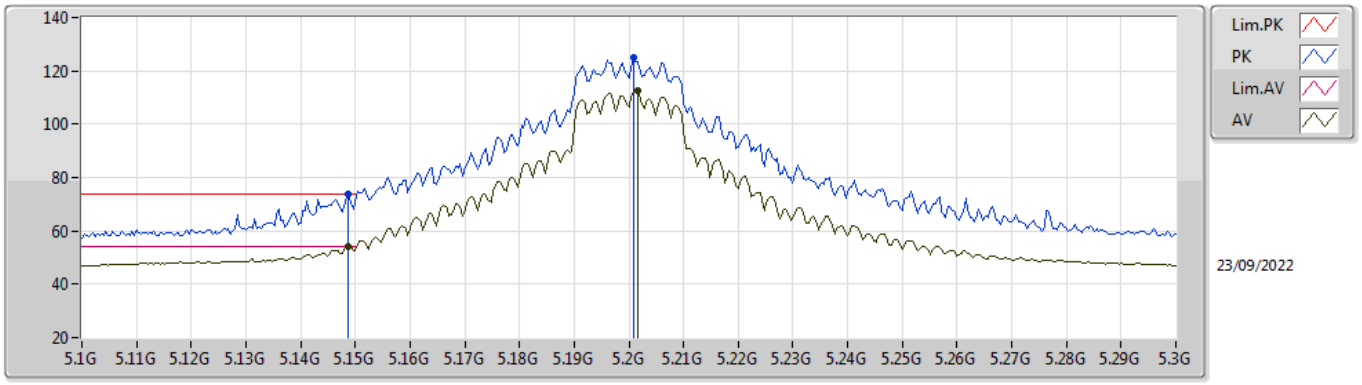


EUT Z_4TX
Setting 16.5
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.34944G	54.65	68.20	-13.55	40.83	3	Horizontal	217	2.85	-	39.90	8.51	34.59
PK	15.53418G	59.89	74.00	-14.11	45.99	3	Horizontal	125	2.80	-	38.49	10.23	34.82
AV	15.5313G	46.92	54.00	-7.08	33.00	3	Horizontal	125	2.80	-	38.51	10.23	34.82

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

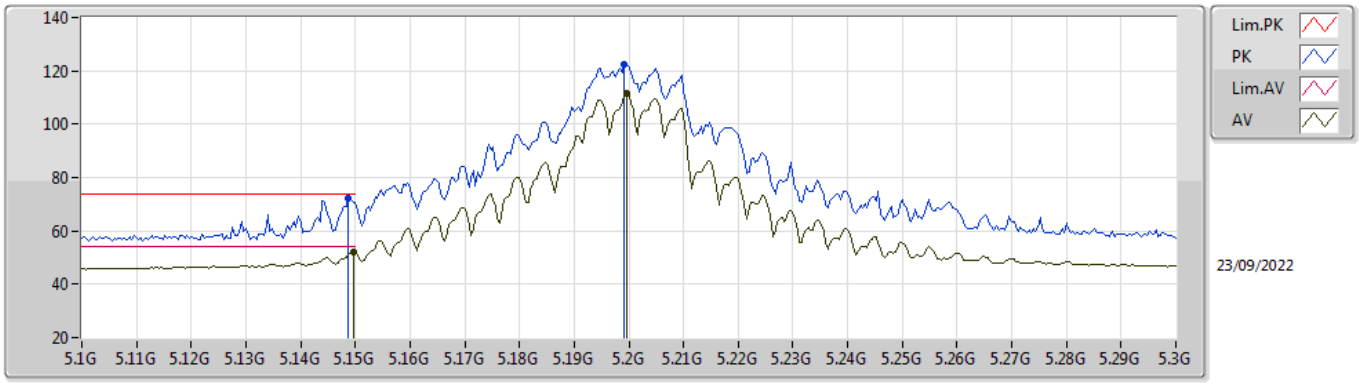


EUT Z_4TX
Setting 23.5
06-E-C-6-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1488G	73.98	74.00	-0.02	68.99	3	Vertical	190	1.06	-	31.90	5.55	32.46
AV	5.1488G	53.99	54.00	-0.01	49.00	3	Vertical	190	1.06	-	31.90	5.55	32.46
PK	5.2008G	125.14	Inf	-Inf	120.20	3	Vertical	190	1.06	-	31.80	5.60	32.46
AV	5.2016G	112.77	Inf	-Inf	107.84	3	Vertical	190	1.06	-	31.79	5.60	32.46

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

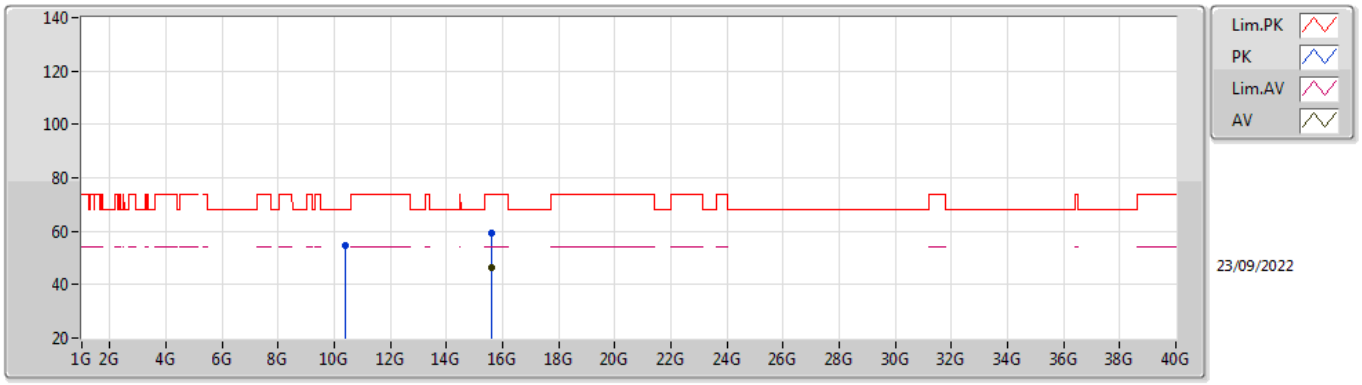


EUT Z_4TX
Setting 23.5
06-E-C-6-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1488G	72.49	74.00	-1.51	67.50	3	Horizontal	60	1.80	-	31.90	5.55	32.46
AV	5.1496G	52.31	54.00	-1.69	47.32	3	Horizontal	60	1.80	-	31.90	5.55	32.46
PK	5.1992G	122.27	Inf	-Inf	117.33	3	Horizontal	60	1.80	-	31.80	5.60	32.46
AV	5.1996G	111.34	Inf	-Inf	106.40	3	Horizontal	60	1.80	-	31.80	5.60	32.46

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

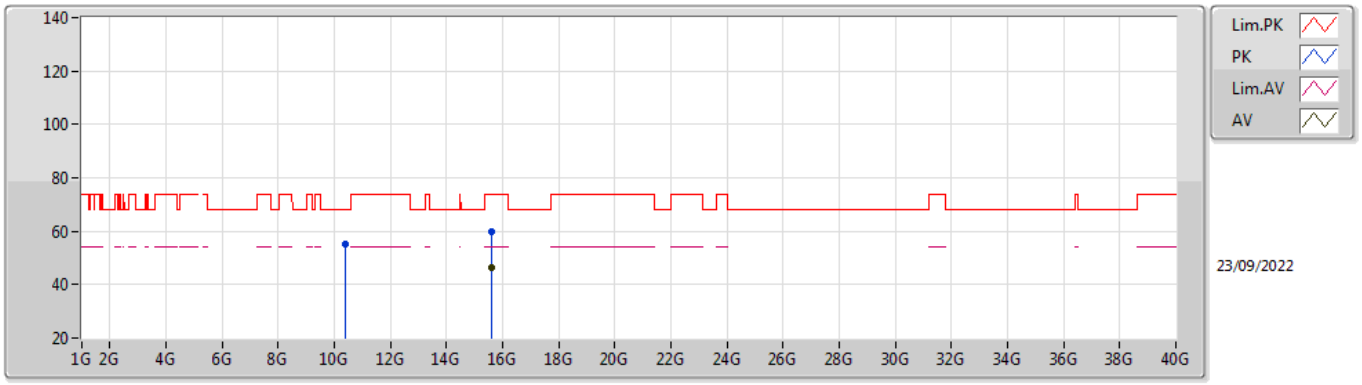


EUT Z_4TX
Setting 23.5
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.39298G	54.86	68.20	-13.34	40.88	3	Vertical	140	2.76	-	40.07	8.54	34.63
PK	15.58734G	59.47	74.00	-14.53	45.86	3	Vertical	355	1.31	-	38.18	10.24	34.81
AV	15.58998G	46.47	54.00	-7.53	32.88	3	Vertical	355	1.31	-	38.16	10.24	34.81

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TnomVnom

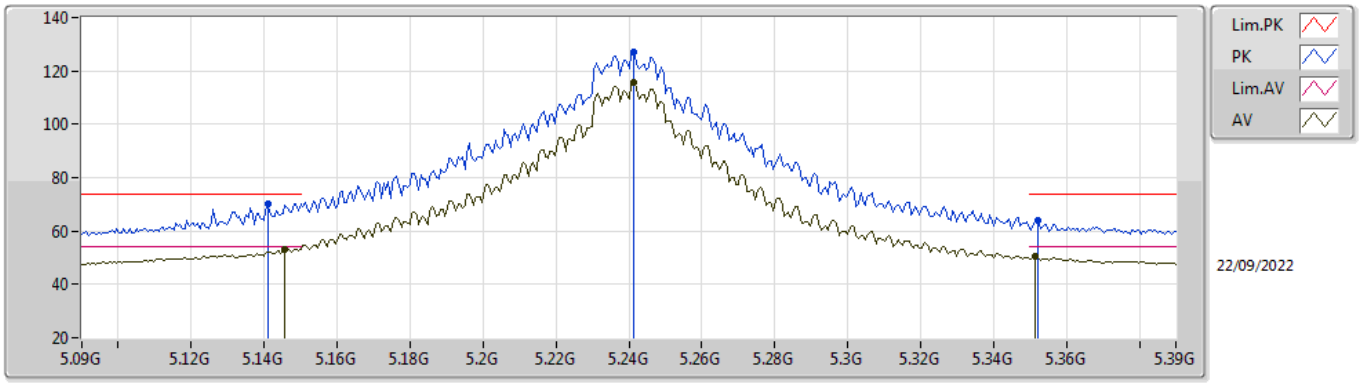


EUT Z_4TX
Setting 23.5
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.38974G	55.40	68.20	-12.80	41.43	3	Horizontal	93	2.73	-	40.06	8.53	34.62
PK	15.60978G	59.95	74.00	-14.05	46.44	3	Horizontal	262	1.75	-	38.08	10.24	34.81
AV	15.58632G	46.51	54.00	-7.49	32.90	3	Horizontal	262	1.75	-	38.18	10.24	34.81

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

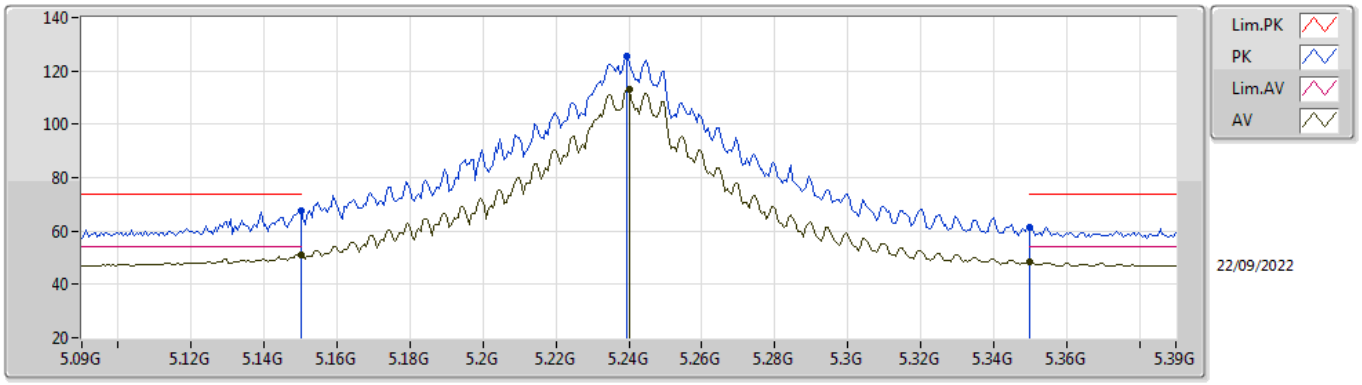


EUT Z_4TX
Setting 30
06-E-C-6-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.141G	70.42	74.00	-3.58	65.42	3	Vertical	188	1.04	-	31.92	5.54	32.46
AV	5.1458G	53.32	54.00	-0.68	48.32	3	Vertical	188	1.04	-	31.91	5.55	32.46
PK	5.2412G	127.16	Inf	-Inf	122.37	3	Vertical	188	1.04	-	31.64	5.62	32.47
AV	5.2412G	115.69	Inf	-Inf	110.90	3	Vertical	188	1.04	-	31.64	5.62	32.47
PK	5.3522G	63.95	74.00	-10.05	59.44	3	Vertical	188	1.04	-	31.31	5.68	32.48
AV	5.3516G	50.74	54.00	-3.26	46.23	3	Vertical	188	1.04	-	31.31	5.68	32.48

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

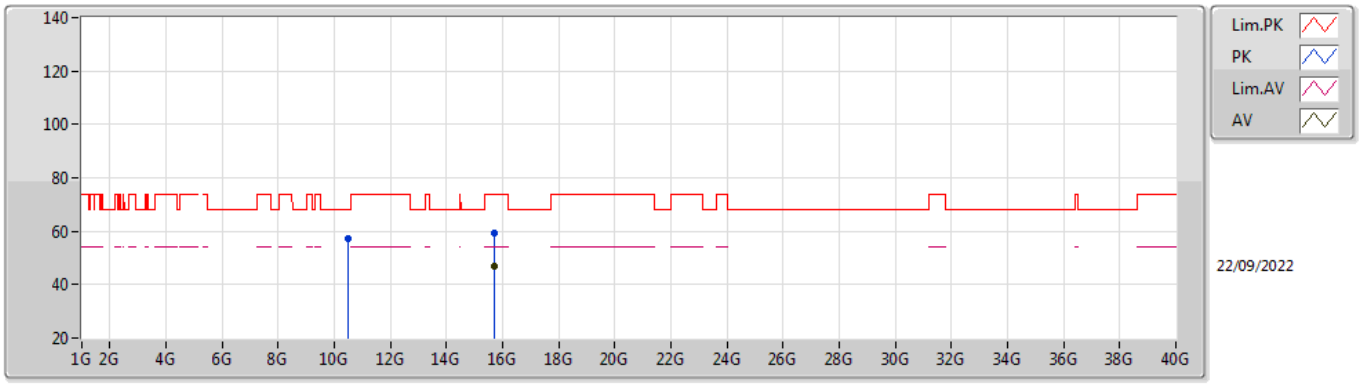


EUT Z_4TX
Setting 30
06-E-C-6-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	67.43	74.00	-6.57	62.44	3	Horizontal	248	1.75	-	31.90	5.55	32.46
AV	5.15G	51.05	54.00	-2.95	46.06	3	Horizontal	248	1.75	-	31.90	5.55	32.46
PK	5.2394G	125.38	Inf	-Inf	120.59	3	Horizontal	248	1.75	-	31.64	5.62	32.47
AV	5.24G	113.08	Inf	-Inf	108.29	3	Horizontal	248	1.75	-	31.64	5.62	32.47
PK	5.35G	61.32	74.00	-12.68	56.82	3	Horizontal	248	1.75	-	31.30	5.68	32.48
AV	5.35G	48.26	54.00	-5.74	43.76	3	Horizontal	248	1.75	-	31.30	5.68	32.48

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

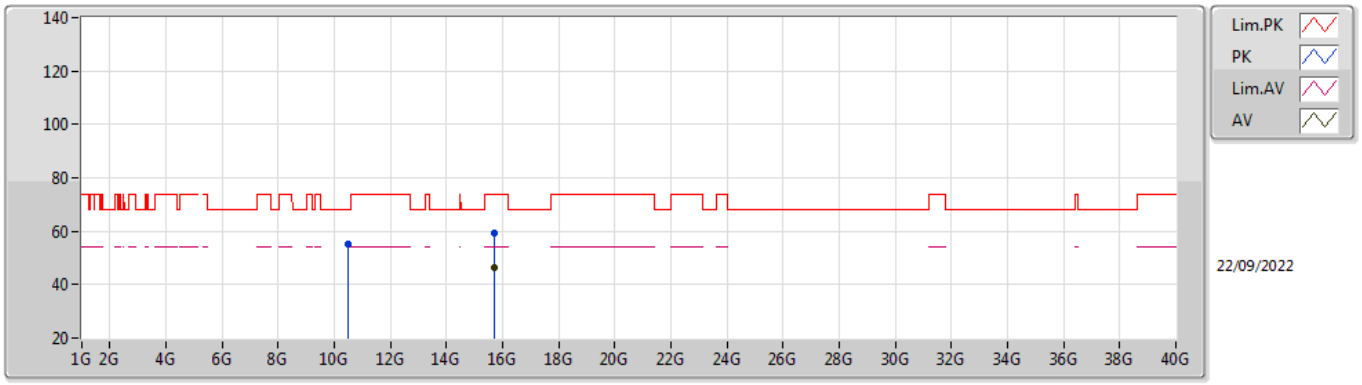


EUT Z_4TX
Setting 30
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.48096G	57.00	68.20	-11.20	42.92	3	Vertical	275	1.83	-	40.18	8.59	34.69
PK	15.7134G	59.40	74.00	-14.60	46.05	3	Vertical	98	1.80	-	37.90	10.26	34.81
AV	15.71838G	46.97	54.00	-7.03	33.62	3	Vertical	98	1.80	-	37.90	10.26	34.81

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TnomVnom

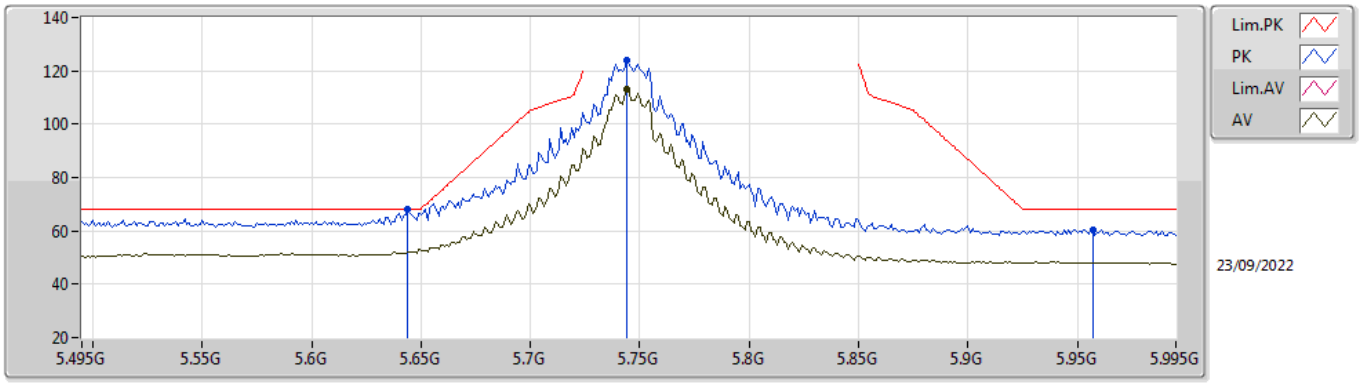


EUT Z_4TX
Setting 30
06-E-C-6

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.48114G	55.16	68.20	-13.04	41.08	3	Horizontal	128	2.22	-	40.18	8.59	34.69
PK	15.71922G	59.25	74.00	-14.75	45.90	3	Horizontal	10	1.93	-	37.90	10.26	34.81
AV	15.71832G	46.53	54.00	-7.47	33.18	3	Horizontal	10	1.93	-	37.90	10.26	34.81

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

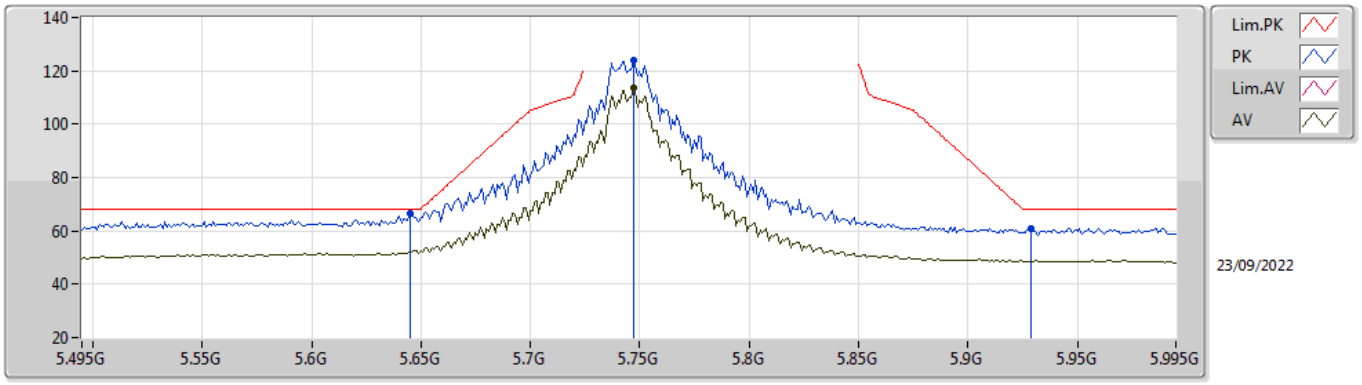


EUT Z_4TX
Setting 30
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.644G	67.86	68.20	-0.34	62.60	3	Vertical	186	1.73	-	31.81	5.90	32.45
PK	5.744G	124.19	Inf	-Inf	118.53	3	Vertical	186	1.73	-	32.18	5.90	32.42
AV	5.744G	112.92	Inf	-Inf	107.26	3	Vertical	186	1.73	-	32.18	5.90	32.42
PK	5.957G	60.45	68.20	-7.75	54.15	3	Vertical	186	1.73	-	32.59	6.06	32.35

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

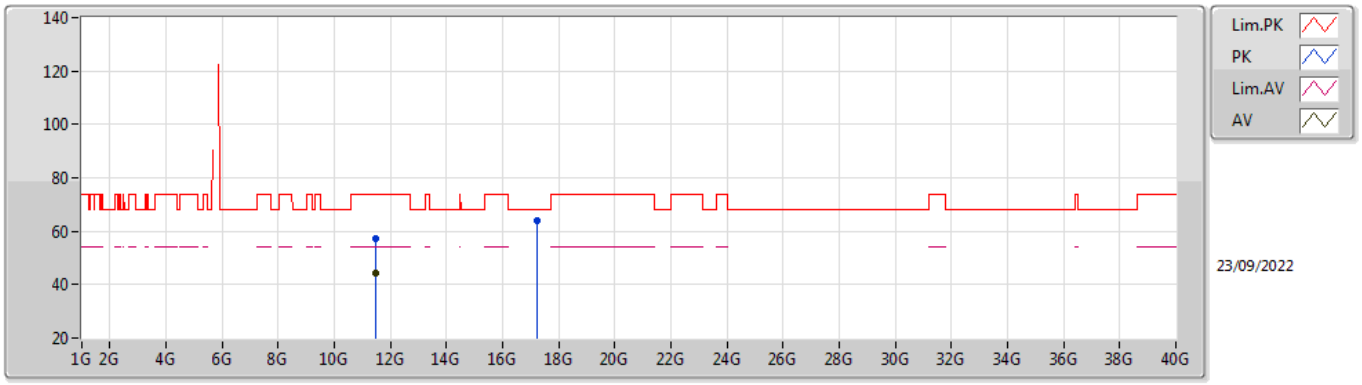


EUT Z_4TX
Setting 30
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.645G	66.72	68.20	-1.48	61.46	3	Horizontal	275	1.80	-	31.81	5.90	32.45
PK	5.747G	124.20	Inf	-Inf	118.53	3	Horizontal	275	1.80	-	32.19	5.90	32.42
AV	5.747G	113.42	Inf	-Inf	107.75	3	Horizontal	275	1.80	-	32.19	5.90	32.42
PK	5.929G	61.02	68.20	-7.18	54.75	3	Horizontal	275	1.80	-	32.60	6.03	32.36

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

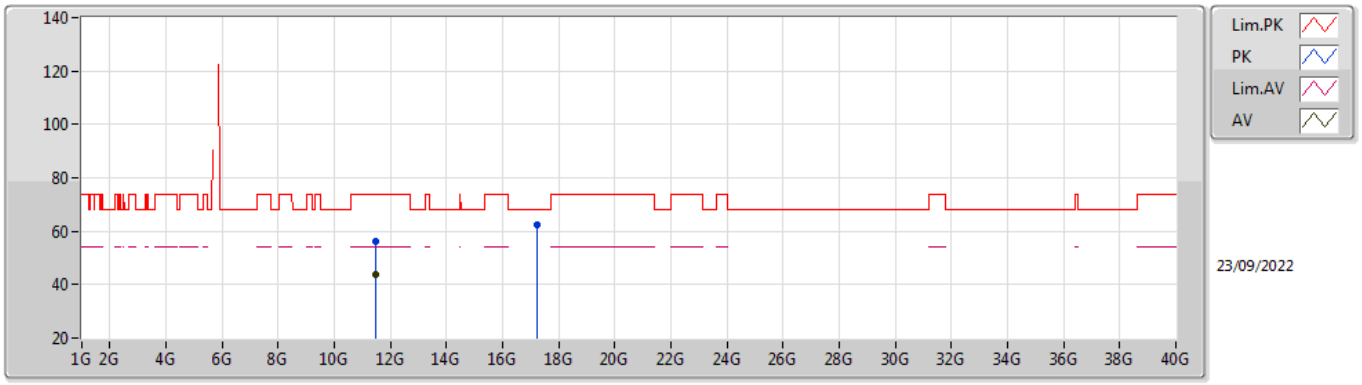


EUT Z_4TX
Setting 30
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.49432G	57.44	74.00	-16.56	42.77	3	Vertical	298	2.12	-	40.10	9.20	34.63
AV	11.49164G	44.23	54.00	-9.77	29.57	3	Vertical	298	2.12	-	40.10	9.19	34.63
PK	17.23944G	63.81	68.20	-4.39	46.85	3	Vertical	22	1.80	-	41.38	10.61	35.03

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TnomVnom

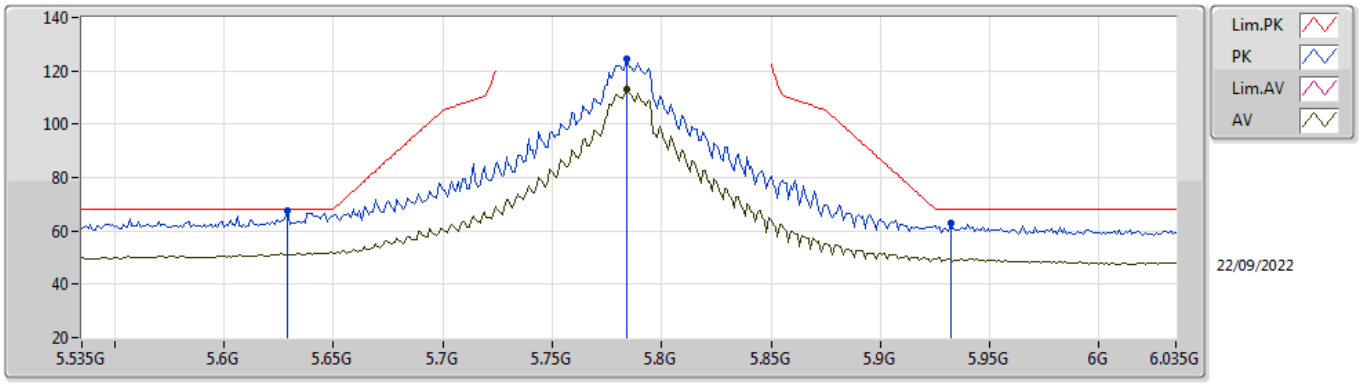


EUT Z_4TX
Setting 30
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.48644G	56.43	74.00	-17.57	41.77	3	Horizontal	344	1.95	-	40.10	9.19	34.63
AV	11.48268G	43.73	54.00	-10.27	29.07	3	Horizontal	344	1.95	-	40.10	9.19	34.63
PK	17.23732G	62.61	68.20	-5.59	45.66	3	Horizontal	31	2.81	-	41.37	10.61	35.03

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

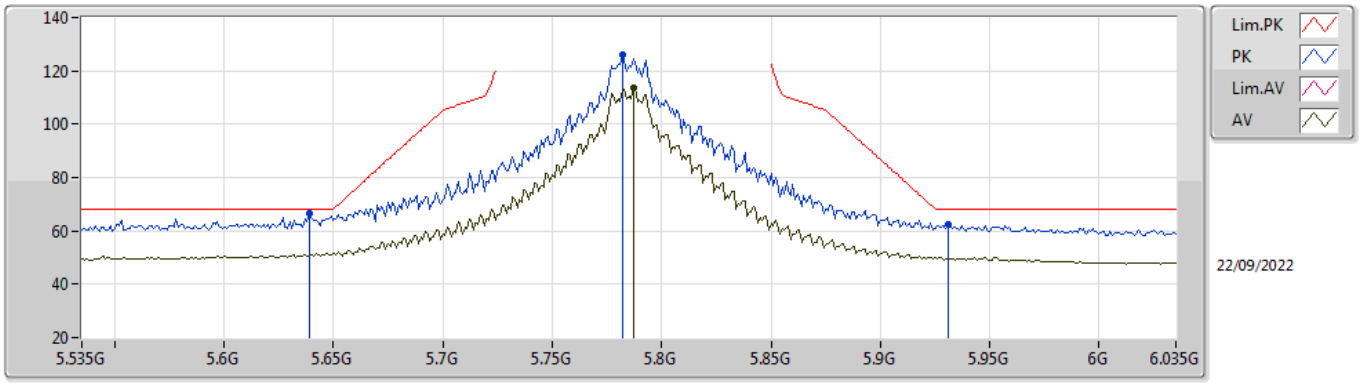


EUT Z_4TX
Setting 30
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.629G	67.44	68.20	-0.76	62.16	3	Vertical	186	1.80	-	31.84	5.90	32.46
PK	5.784G	124.59	Inf	-Inf	118.83	3	Vertical	186	1.80	-	32.27	5.90	32.41
AV	5.784G	113.22	Inf	-Inf	107.46	3	Vertical	186	1.80	-	32.27	5.90	32.41
PK	5.932G	62.71	68.20	-5.49	56.44	3	Vertical	186	1.80	-	32.60	6.03	32.36

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

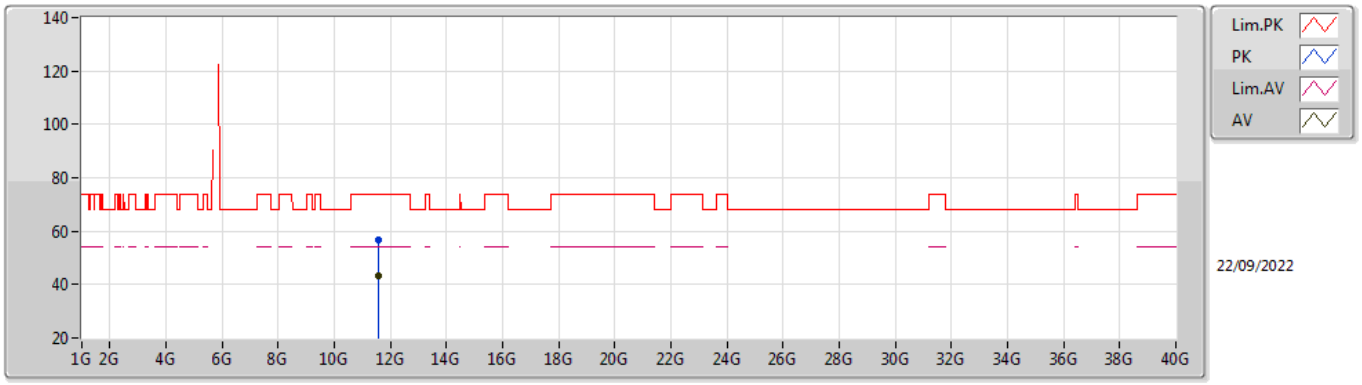


EUT Z_4TX
Setting 30
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.639G	66.32	68.20	-1.88	61.06	3	Horizontal	274	1.80	-	31.82	5.90	32.46
PK	5.782G	125.93	Inf	-Inf	120.18	3	Horizontal	274	1.80	-	32.26	5.90	32.41
AV	5.787G	113.81	Inf	-Inf	108.05	3	Horizontal	274	1.80	-	32.27	5.90	32.41
PK	5.931G	62.30	68.20	-5.90	56.03	3	Horizontal	274	1.80	-	32.60	6.03	32.36

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

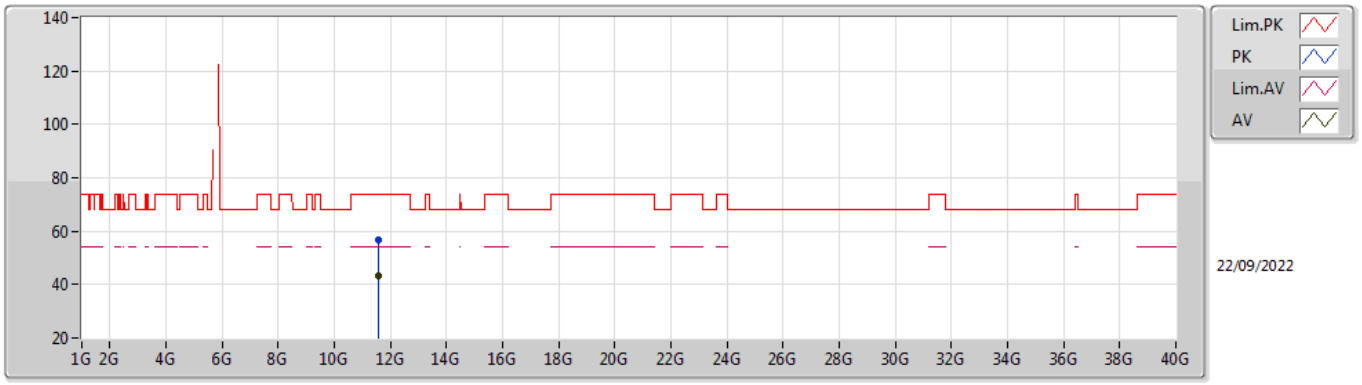


EUT Z_4TX
Setting 30
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5687G	56.58	74.00	-17.42	42.02	3	Vertical	263	2.91	-	39.96	9.24	34.64
AV	11.5723G	43.02	54.00	-10.98	28.46	3	Vertical	263	2.91	-	39.96	9.24	34.64

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TnomVnom

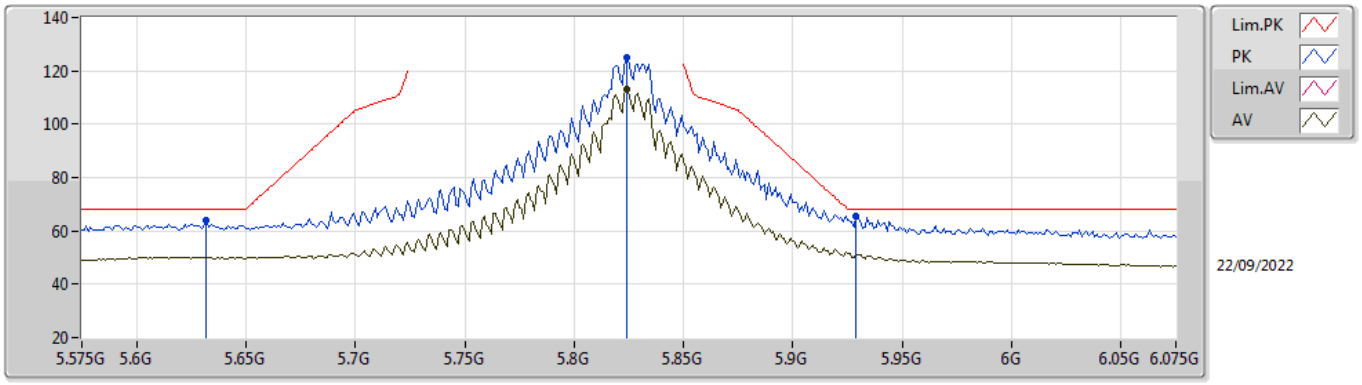


EUT Z_4TX
Setting 30
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.56904G	56.78	74.00	-17.22	42.22	3	Horizontal	0	1.16	-	39.96	9.24	34.64
AV	11.56954G	43.02	54.00	-10.98	28.46	3	Horizontal	0	1.16	-	39.96	9.24	34.64

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

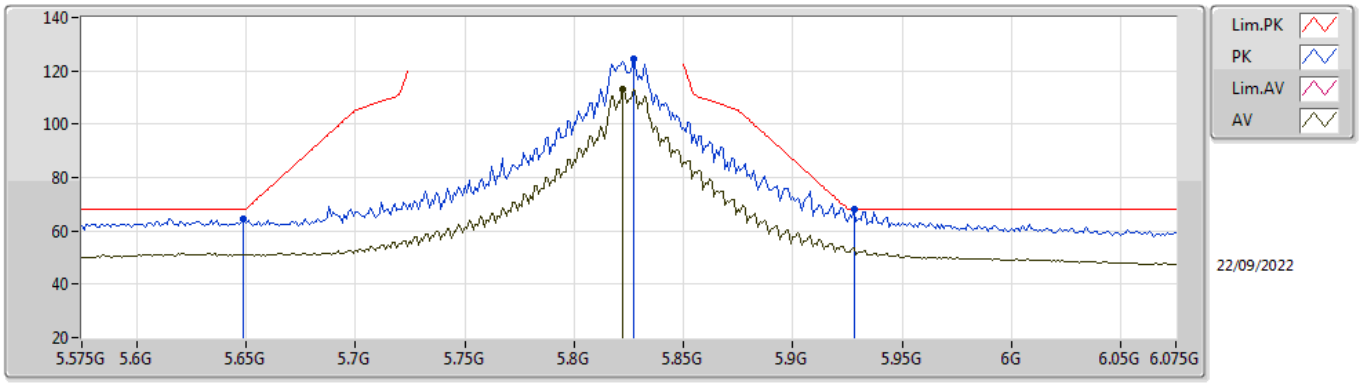


EUT Z_4TX
Setting 30
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.632G	64.13	68.20	-4.07	58.85	3	Vertical	244	2.40	-	31.84	5.90	32.46
PK	5.824G	124.83	Inf	-Inf	119.01	3	Vertical	244	2.40	-	32.30	5.92	32.40
AV	5.824G	113.28	Inf	-Inf	107.46	3	Vertical	244	2.40	-	32.30	5.92	32.40
PK	5.929G	65.75	68.20	-2.45	59.48	3	Vertical	244	2.40	-	32.60	6.03	32.36

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

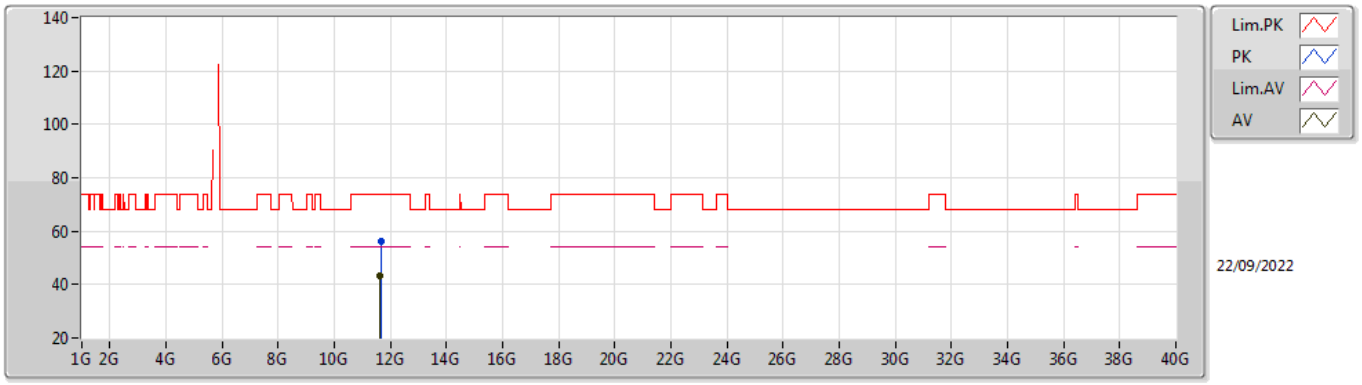


EUT Z_4TX
Setting 30
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.649G	64.59	68.20	-3.61	59.34	3	Horizontal	278	1.80	-	31.80	5.90	32.45
PK	5.827G	124.24	Inf	-Inf	118.41	3	Horizontal	278	1.80	-	32.30	5.93	32.40
AV	5.822G	113.15	Inf	-Inf	107.33	3	Horizontal	278	1.80	-	32.30	5.92	32.40
PK	5.928G	67.85	68.20	-0.35	61.58	3	Horizontal	278	1.80	-	32.60	6.03	32.36

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

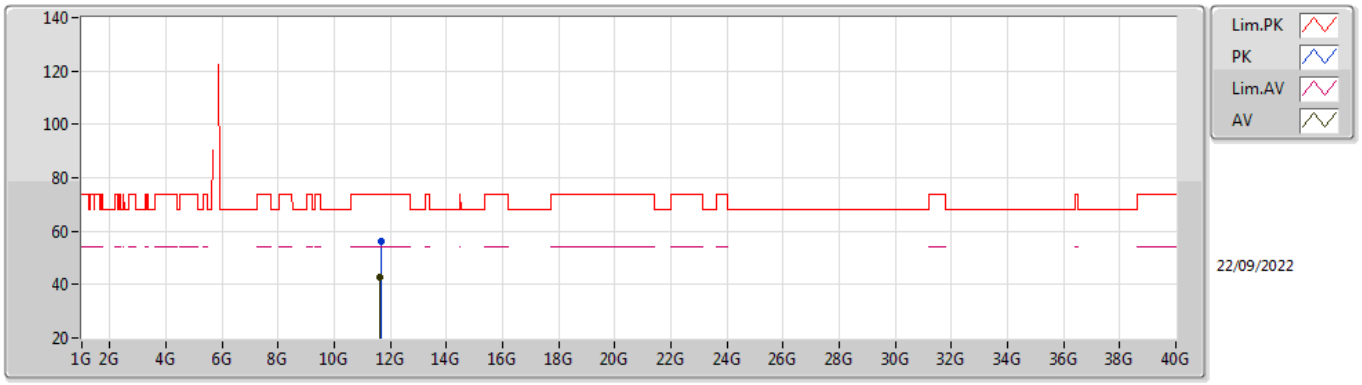


EUT Z_4TX
Setting 30
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.64842G	56.40	74.00	-17.60	42.14	3	Vertical	167	2.89	-	39.61	9.29	34.64
AV	11.64506G	43.08	54.00	-10.92	28.80	3	Vertical	167	2.89	-	39.63	9.29	34.64

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TnomVnom

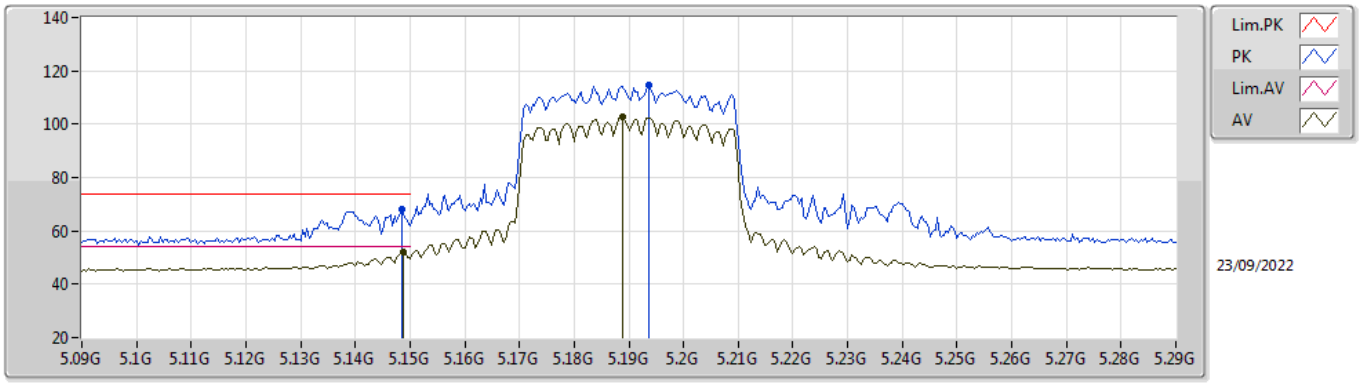


EUT Z_4TX
Setting 30
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.64802G	56.14	74.00	-17.86	41.88	3	Horizontal	27	1.76	-	39.61	9.29	34.64
AV	11.64516G	42.87	54.00	-11.13	28.59	3	Horizontal	27	1.76	-	39.63	9.29	34.64

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

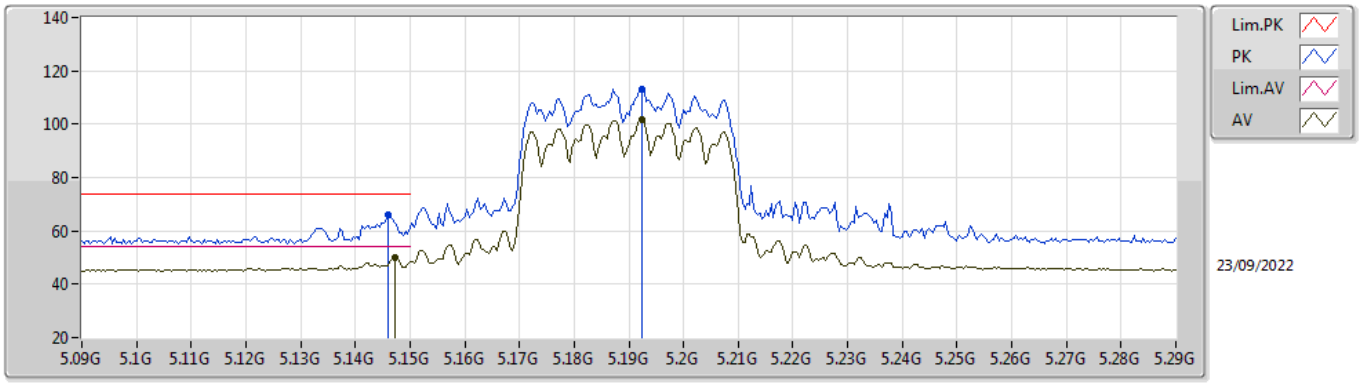


EUT Z_4TX
Setting 14
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1484G	68.30	74.00	-5.70	63.31	3	Vertical	187	1.05	-	31.90	5.55	32.46
AV	5.1488G	52.00	54.00	-2.00	47.01	3	Vertical	187	1.05	-	31.90	5.55	32.46
PK	5.1936G	114.48	Inf	-Inf	109.54	3	Vertical	187	1.05	-	31.81	5.59	32.46
AV	5.1888G	102.81	Inf	-Inf	97.86	3	Vertical	187	1.05	-	31.82	5.59	32.46

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

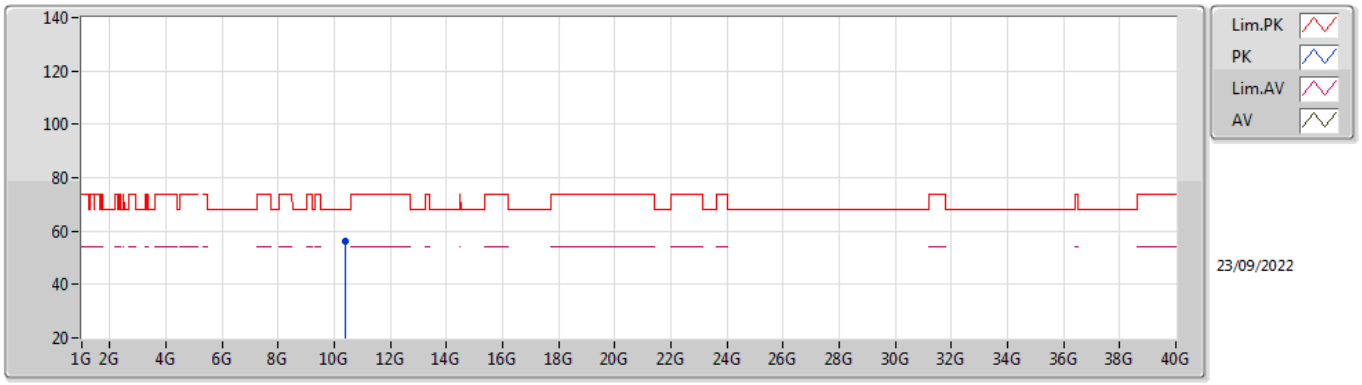


EUT Z_4TX
Setting 14
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.146G	66.23	74.00	-7.77	61.23	3	Horizontal	55	1.80	-	31.91	5.55	32.46
AV	5.1472G	49.89	54.00	-4.11	44.89	3	Horizontal	55	1.80	-	31.91	5.55	32.46
PK	5.1924G	113.33	Inf	-Inf	108.38	3	Horizontal	55	1.80	-	31.82	5.59	32.46
AV	5.1924G	101.63	Inf	-Inf	96.68	3	Horizontal	55	1.80	-	31.82	5.59	32.46

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

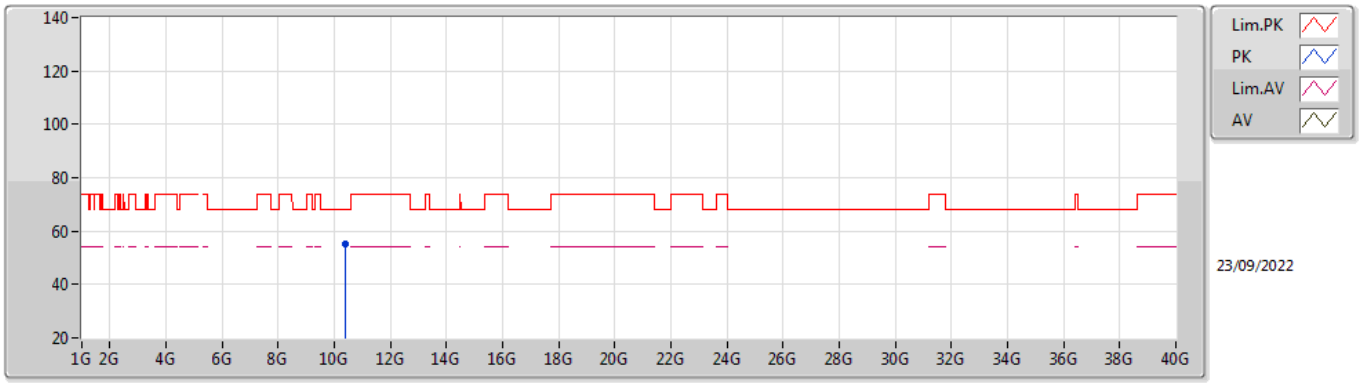


EUT Z_4TX
Setting 14
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.38308G	56.00	68.20	-12.20	42.06	3	Vertical	358	1.90	-	40.03	8.53	34.62

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TnomVnom

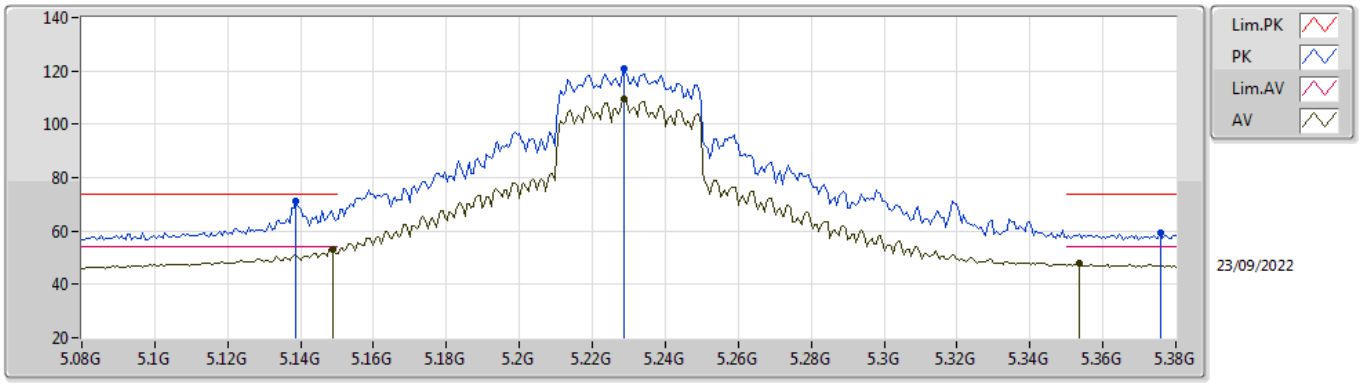


EUT Z_4TX
Setting 14
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.37984G	55.32	68.20	-12.88	41.39	3	Horizontal	279	1.07	-	40.02	8.53	34.62

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

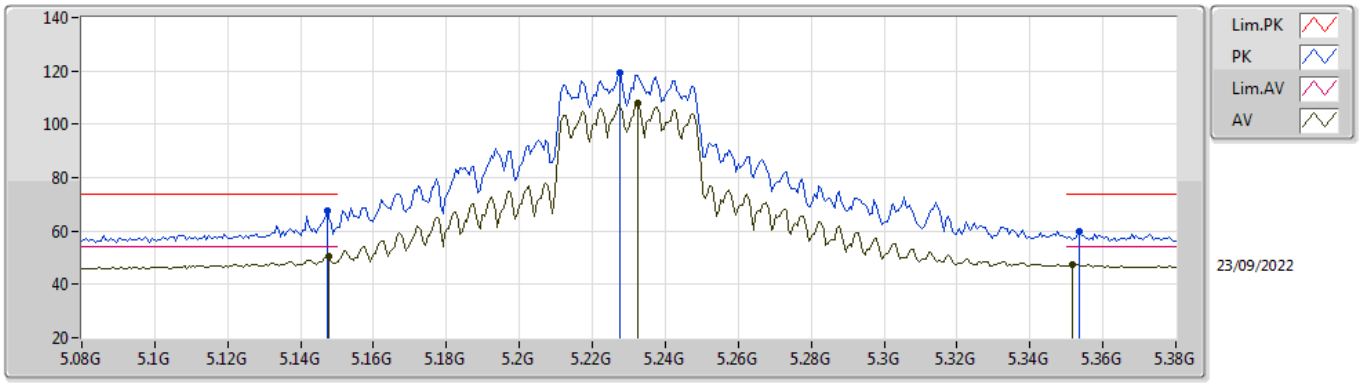


EUT Z_4TX
Setting 20.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1388G	71.43	74.00	-2.57	66.43	3	Vertical	188	1.13	-	31.92	5.54	32.46
AV	5.149G	53.16	54.00	-0.84	48.17	3	Vertical	188	1.13	-	31.90	5.55	32.46
PK	5.2288G	120.95	Inf	-Inf	116.13	3	Vertical	188	1.13	-	31.68	5.61	32.47
AV	5.2288G	109.25	Inf	-Inf	104.43	3	Vertical	188	1.13	-	31.68	5.61	32.47
PK	5.3758G	59.07	74.00	-14.93	54.47	3	Vertical	188	1.13	-	31.40	5.69	32.49
AV	5.3536G	47.78	54.00	-6.22	43.27	3	Vertical	188	1.13	-	31.31	5.68	32.48

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

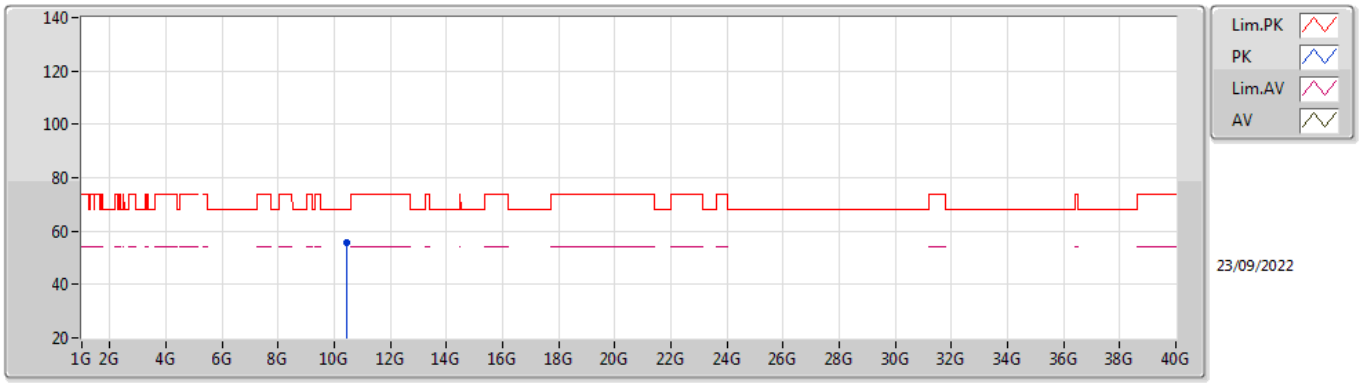


EUT Z_4TX
Setting 20.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1472G	67.75	74.00	-6.25	62.75	3	Horizontal	56	1.89	-	31.91	5.55	32.46
AV	5.1478G	50.51	54.00	-3.49	45.52	3	Horizontal	56	1.89	-	31.90	5.55	32.46
PK	5.2276G	119.51	Inf	-Inf	114.68	3	Horizontal	56	1.89	-	31.69	5.61	32.47
AV	5.2324G	107.70	Inf	-Inf	102.88	3	Horizontal	56	1.89	-	31.67	5.62	32.47
PK	5.3536G	59.88	74.00	-14.12	55.37	3	Horizontal	56	1.89	-	31.31	5.68	32.48
AV	5.3518G	47.45	54.00	-6.55	42.94	3	Horizontal	56	1.89	-	31.31	5.68	32.48

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

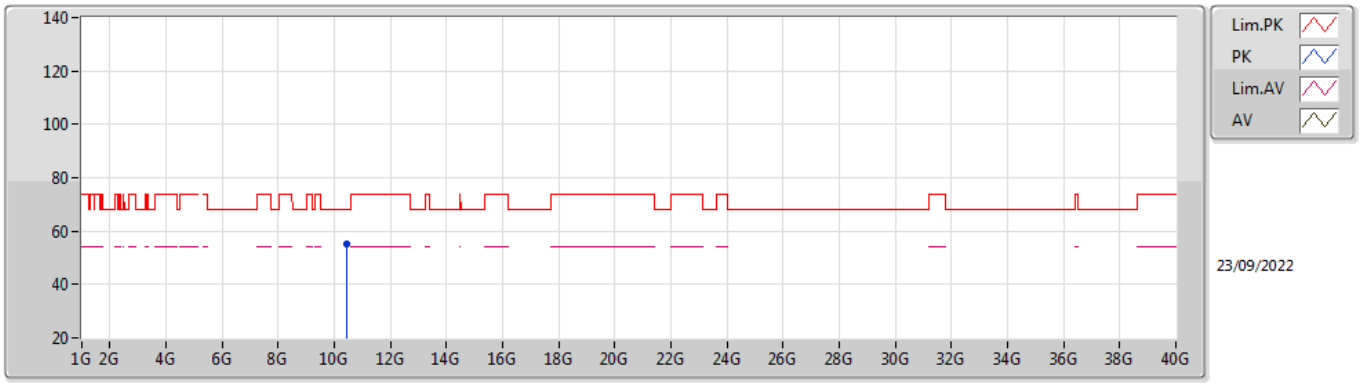


EUT Z_4TX
Setting 20.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.45896G	55.90	68.20	-12.30	41.83	3	Vertical	24	1.91	-	40.16	8.58	34.67

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TnomVnom

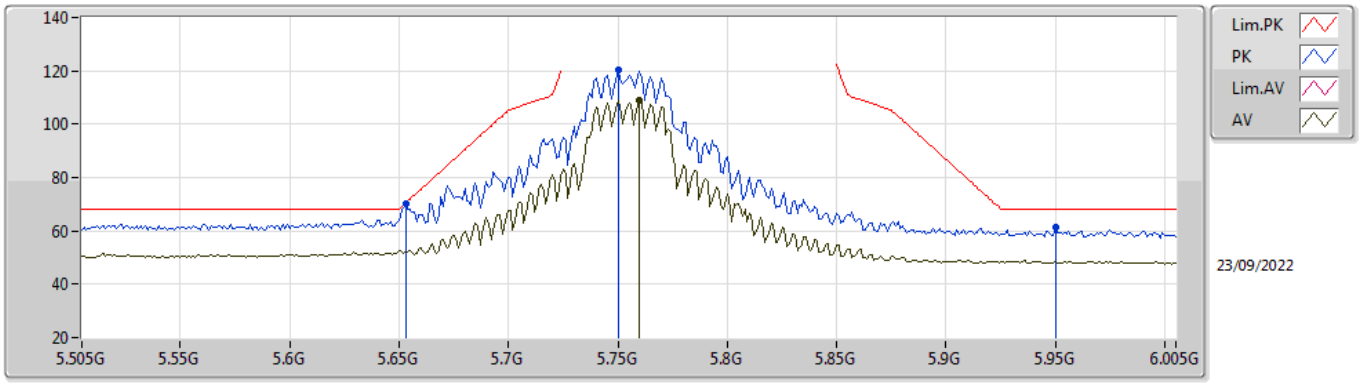


EUT Z_4TX
Setting 20.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.46146G	55.27	68.20	-12.93	41.20	3	Horizontal	59	2.78	-	40.16	8.58	34.67

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

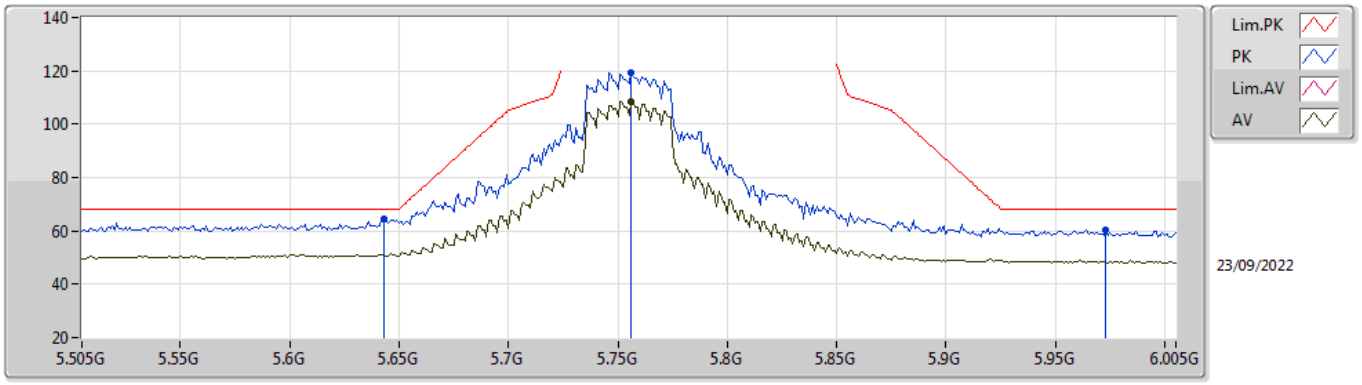


EUT Z_4TX
Setting 22
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.653G	70.27	70.42	-0.15	65.01	3	Vertical	186	1.80	-	31.81	5.90	32.45
PK	5.75G	120.51	Inf	-Inf	114.83	3	Vertical	186	1.80	-	32.20	5.90	32.42
AV	5.76G	109.06	Inf	-Inf	103.36	3	Vertical	186	1.80	-	32.22	5.90	32.42
PK	5.95G	61.25	68.20	-6.95	54.96	3	Vertical	186	1.80	-	32.60	6.05	32.36

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

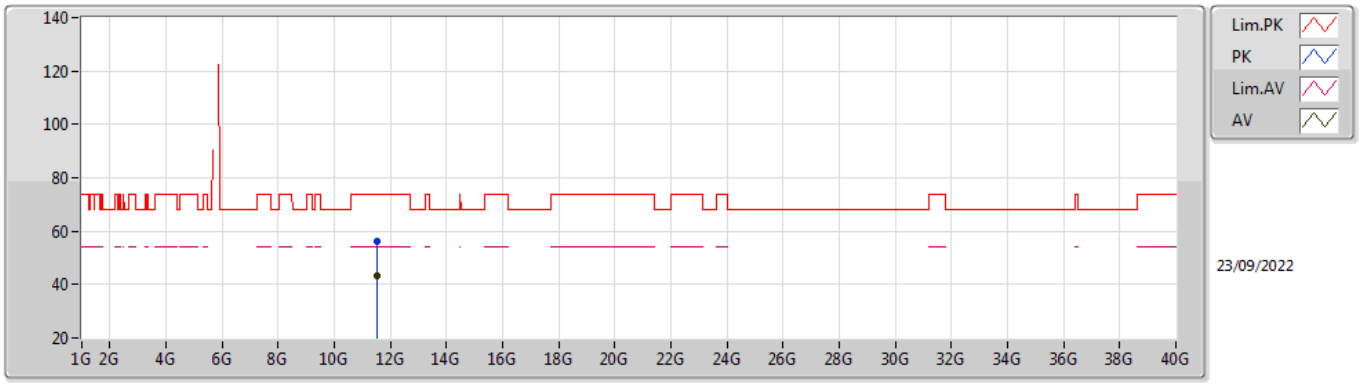


EUT Z_4TX
Setting 22
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.643G	64.30	68.20	-3.90	59.04	3	Horizontal	276	1.80	-	31.81	5.90	32.45
PK	5.756G	119.45	Inf	-Inf	113.76	3	Horizontal	276	1.80	-	32.21	5.90	32.42
AV	5.756G	108.64	Inf	-Inf	102.95	3	Horizontal	276	1.80	-	32.21	5.90	32.42
PK	5.973G	60.35	68.20	-7.85	54.08	3	Horizontal	276	1.80	-	32.55	6.07	32.35

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

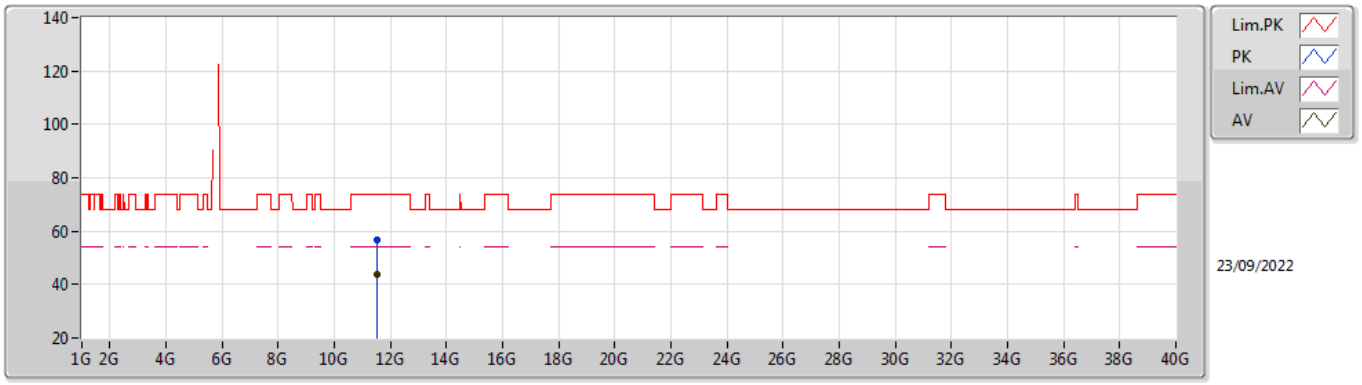


EUT Z_4TX
Setting 22
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.50878G	56.21	74.00	-17.79	41.55	3	Vertical	5	1.52	-	40.08	9.21	34.63
AV	11.5122G	43.53	54.00	-10.47	28.87	3	Vertical	5	1.52	-	40.08	9.21	34.63

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TnomVnom

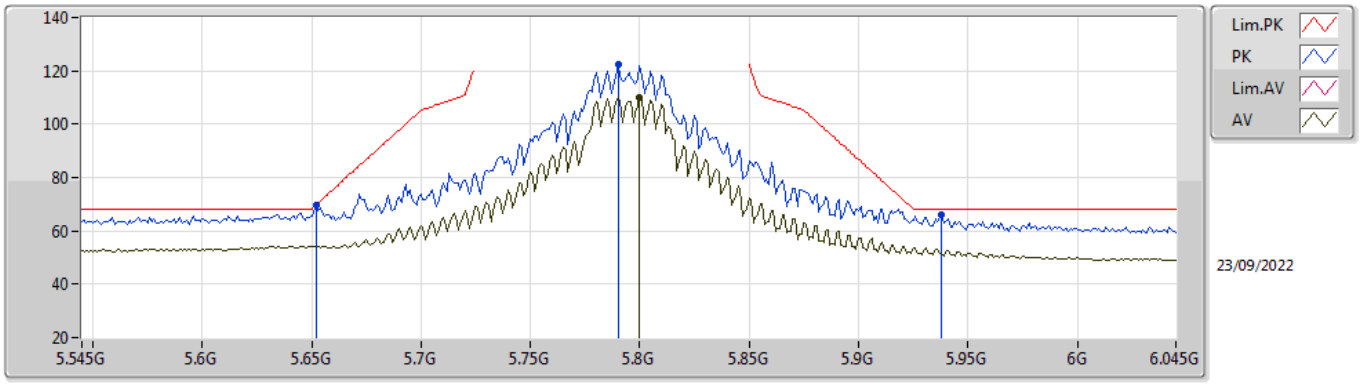


EUT Z_4TX
Setting 22
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.51362G	56.95	74.00	-17.05	42.30	3	Horizontal	89	2.09	-	40.07	9.21	34.63
AV	11.511G	43.62	54.00	-10.38	28.96	3	Horizontal	89	2.09	-	40.08	9.21	34.63

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

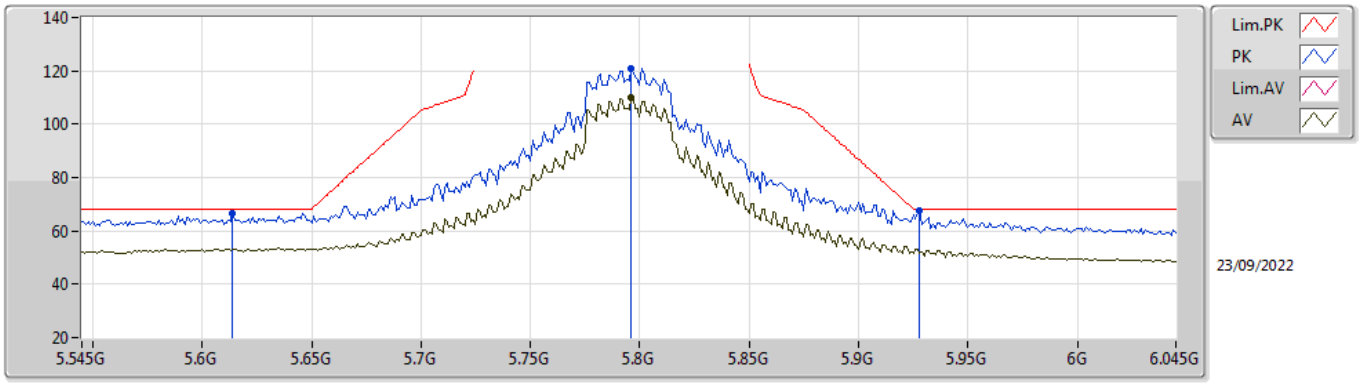


EUT Z_4TX
Setting 26.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.652G	69.56	69.68	-0.12	64.30	3	Vertical	184	1.80	-	31.81	5.90	32.45
PK	5.79G	122.31	Inf	-Inf	116.54	3	Vertical	184	1.80	-	32.28	5.90	32.41
AV	5.8G	110.16	Inf	-Inf	104.36	3	Vertical	184	1.80	-	32.30	5.90	32.40
PK	5.938G	65.91	68.20	-2.29	59.63	3	Vertical	184	1.80	-	32.60	6.04	32.36

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

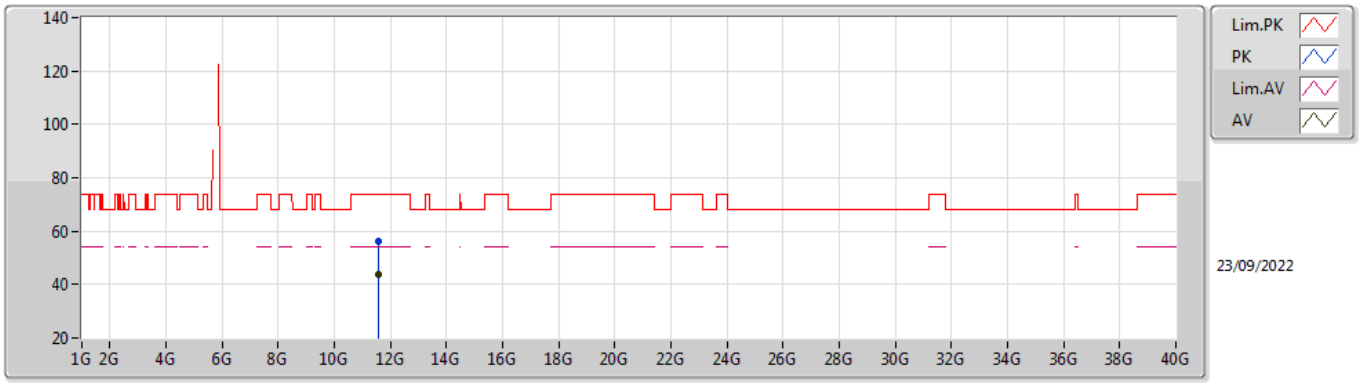


EUT Z_4TX
Setting 26.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.614G	66.44	68.20	-1.76	61.13	3	Horizontal	280	1.80	-	31.87	5.90	32.46
PK	5.796G	121.10	Inf	-Inf	115.32	3	Horizontal	280	1.80	-	32.29	5.90	32.41
AV	5.796G	109.97	Inf	-Inf	104.19	3	Horizontal	280	1.80	-	32.29	5.90	32.41
PK	5.928G	67.38	68.20	-0.82	61.11	3	Horizontal	280	1.80	-	32.60	6.03	32.36

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

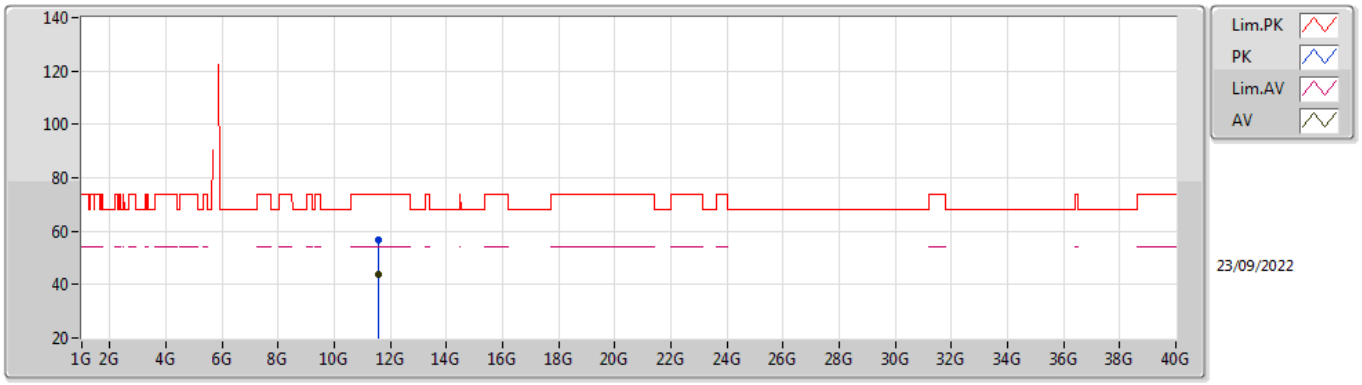


EUT Z_4TX
Setting 26.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.59372G	56.22	74.00	-17.78	41.69	3	Vertical	209	2.74	-	39.91	9.26	34.64
AV	11.59486G	43.83	54.00	-10.17	29.30	3	Vertical	209	2.74	-	39.91	9.26	34.64

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TnomVnom

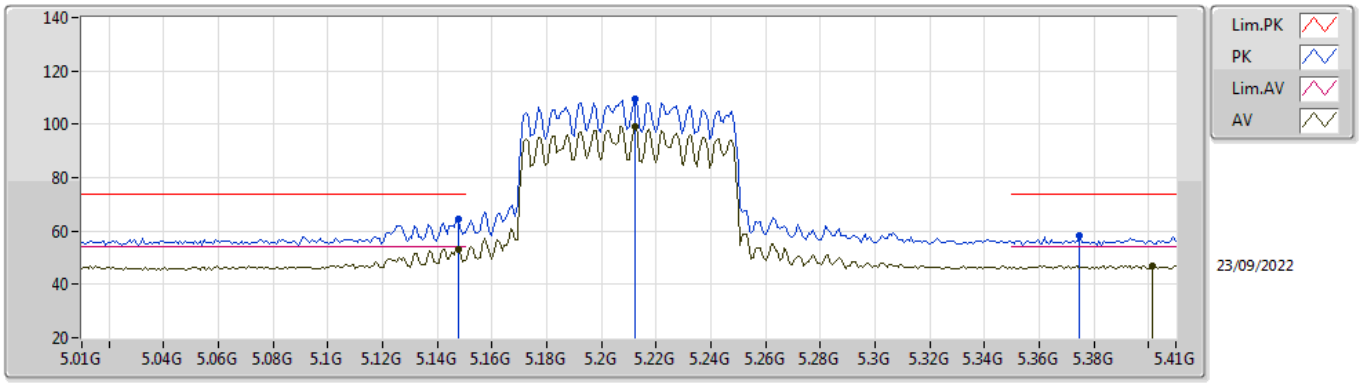


EUT Z_4TX
Setting 26.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5936G	56.68	74.00	-17.32	42.15	3	Horizontal	340	1.65	-	39.91	9.26	34.64
AV	11.58654G	43.82	54.00	-10.18	29.28	3	Horizontal	340	1.65	-	39.93	9.25	34.64

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

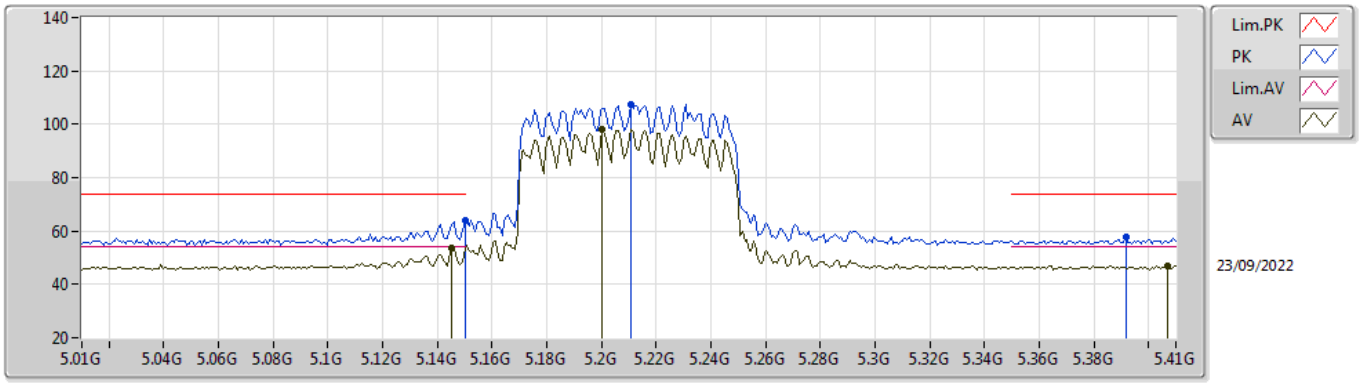


EUT Z_4TX
Setting 12.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1476G	64.28	74.00	-9.72	59.29	3	Vertical	181	1.80	-	31.90	5.55	32.46
AV	5.1476G	53.33	54.00	-0.67	48.34	3	Vertical	181	1.80	-	31.90	5.55	32.46
PK	5.2124G	109.32	Inf	-Inf	104.43	3	Vertical	181	1.80	-	31.75	5.61	32.47
AV	5.2124G	99.39	Inf	-Inf	94.50	3	Vertical	181	1.80	-	31.75	5.61	32.47
PK	5.3748G	58.10	74.00	-15.90	53.49	3	Vertical	181	1.80	-	31.40	5.69	32.48
AV	5.4012G	47.13	54.00	-6.87	42.42	3	Vertical	181	1.80	-	31.50	5.70	32.49

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

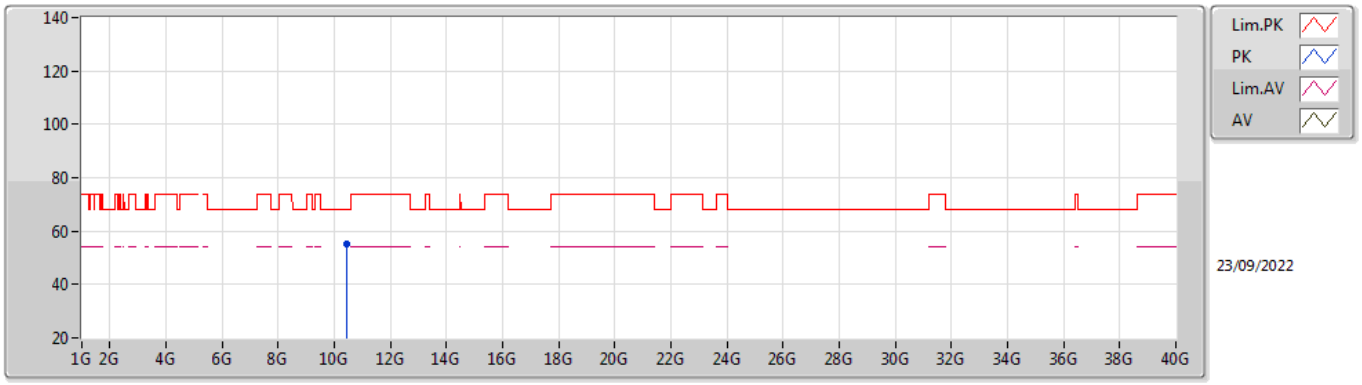


EUT Z_4TX
Setting 12.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	63.72	74.00	-10.28	58.73	3	Horizontal	248	1.80	-	31.90	5.55	32.46
AV	5.1452G	53.85	54.00	-0.15	48.85	3	Horizontal	248	1.80	-	31.91	5.55	32.46
PK	5.2108G	107.47	Inf	-Inf	102.57	3	Horizontal	248	1.80	-	31.76	5.61	32.47
AV	5.2004G	98.13	Inf	-Inf	93.19	3	Horizontal	248	1.80	-	31.80	5.60	32.46
PK	5.3916G	57.52	74.00	-16.48	52.84	3	Horizontal	248	1.80	-	31.47	5.70	32.49
AV	5.4068G	47.06	54.00	-6.94	42.31	3	Horizontal	248	1.80	-	31.53	5.71	32.49

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

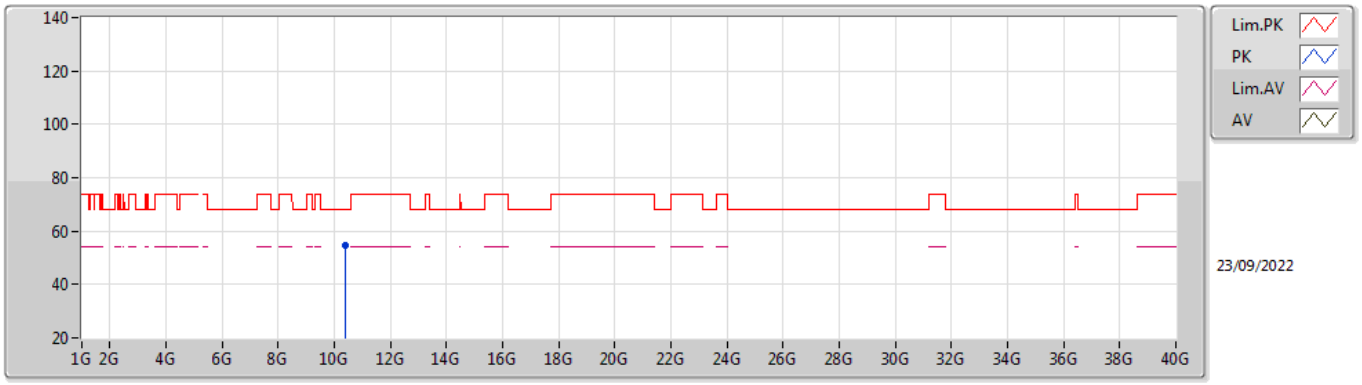


EUT Z_4TX
Setting 12.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.42034G	55.25	68.20	-12.95	41.22	3	Vertical	70	2.08	-	40.12	8.55	34.64

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TnomVnom

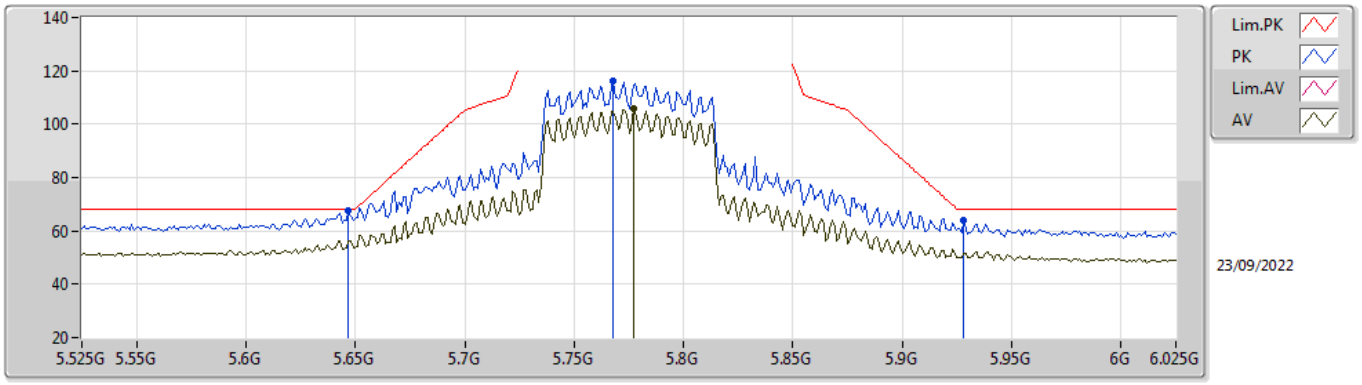


EUT Z_4TX
Setting 12.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.41718G	54.86	68.20	-13.34	40.83	3	Horizontal	50	2.43	-	40.12	8.55	34.64

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

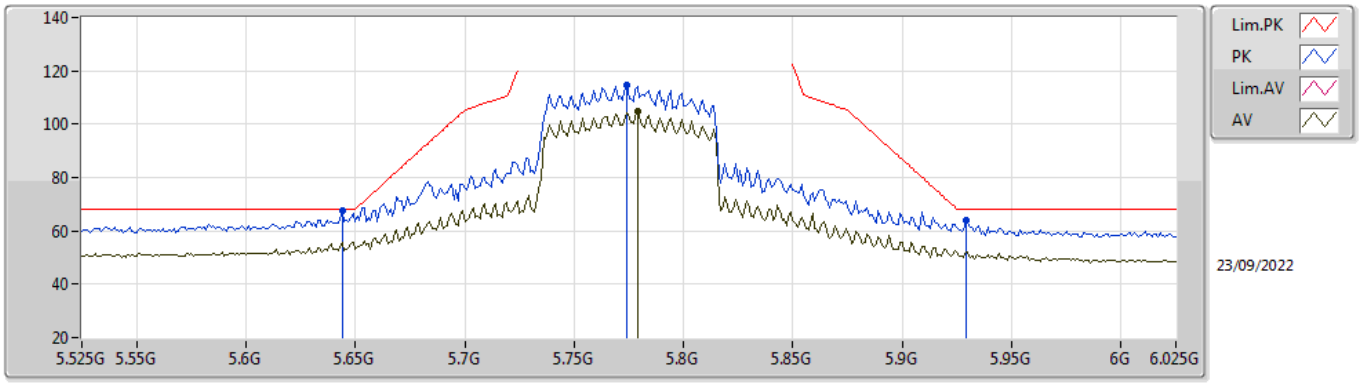


EUT Z_4TX
Setting 20
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.647G	67.76	68.20	-0.44	62.50	3	Vertical	184	1.80	-	31.81	5.90	32.45
PK	5.768G	116.17	Inf	-Inf	110.44	3	Vertical	184	1.80	-	32.24	5.90	32.41
AV	5.777G	105.92	Inf	-Inf	100.18	3	Vertical	184	1.80	-	32.25	5.90	32.41
PK	5.928G	63.84	68.20	-4.36	57.57	3	Vertical	184	1.80	-	32.60	6.03	32.36

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

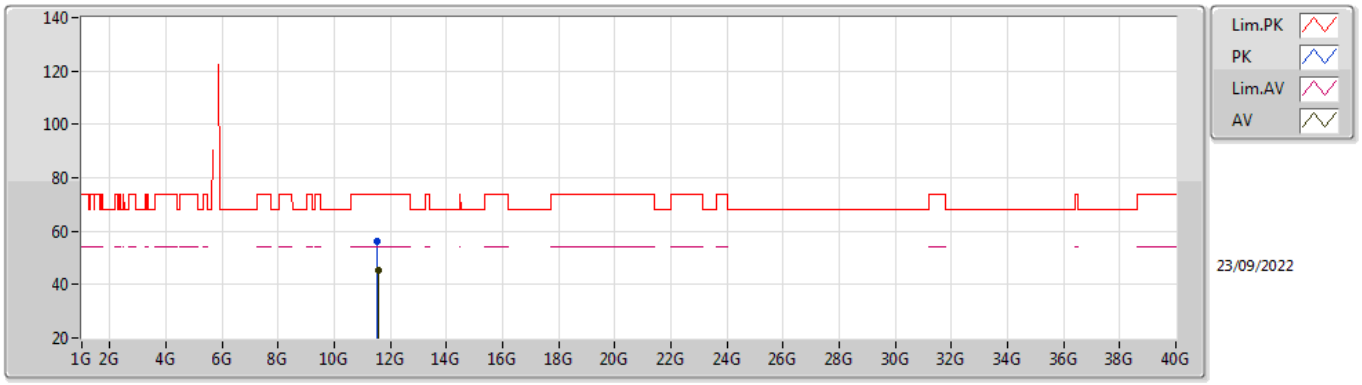


EUT Z_4TX
Setting 20
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.644G	67.40	68.20	-0.80	62.14	3	Horizontal	281	1.80	-	31.81	5.90	32.45
PK	5.774G	114.90	Inf	-Inf	109.16	3	Horizontal	281	1.80	-	32.25	5.90	32.41
AV	5.779G	104.74	Inf	-Inf	98.99	3	Horizontal	281	1.80	-	32.26	5.90	32.41
PK	5.929G	63.81	68.20	-4.39	57.54	3	Horizontal	281	1.80	-	32.60	6.03	32.36

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom

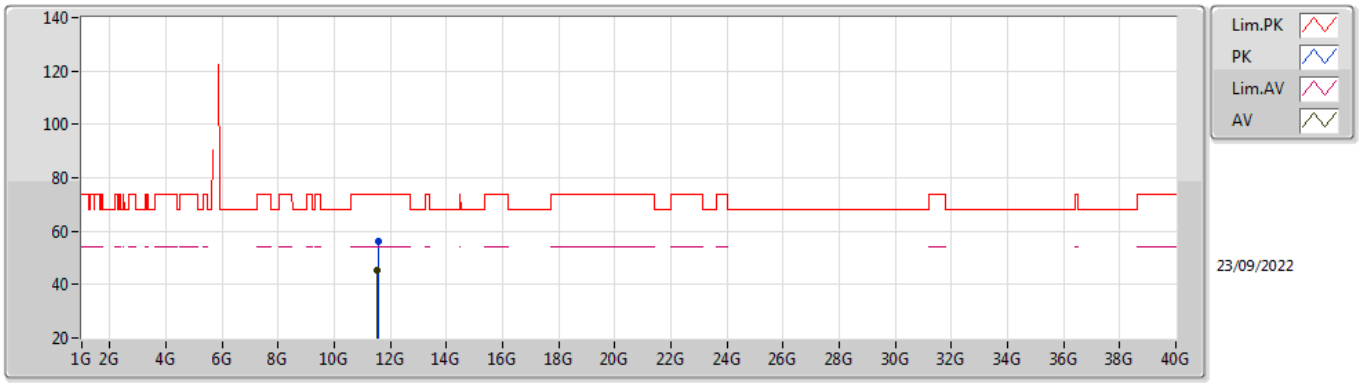


EUT Z_4TX
Setting 20
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5452G	56.13	74.00	-17.87	41.52	3	Vertical	278	1.38	-	40.01	9.23	34.63
AV	11.553G	45.46	54.00	-8.54	30.88	3	Vertical	278	1.38	-	39.99	9.23	34.64

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TnomVnom



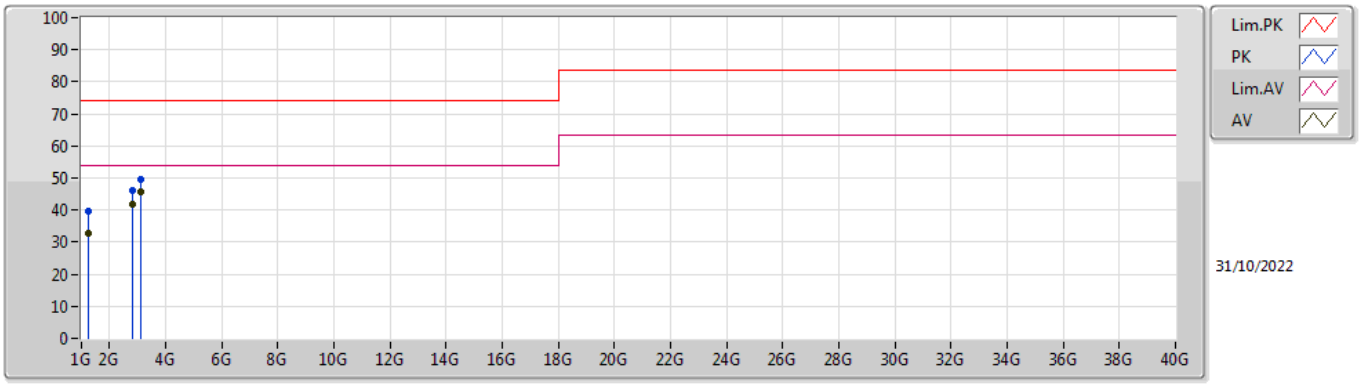
EUT Z_4TX
Setting 20
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.55486G	56.30	74.00	-17.70	41.72	3	Horizontal	290	1.32	-	39.99	9.23	34.64
AV	11.54616G	45.56	54.00	-8.44	30.95	3	Horizontal	290	1.32	-	40.01	9.23	34.63

Summary

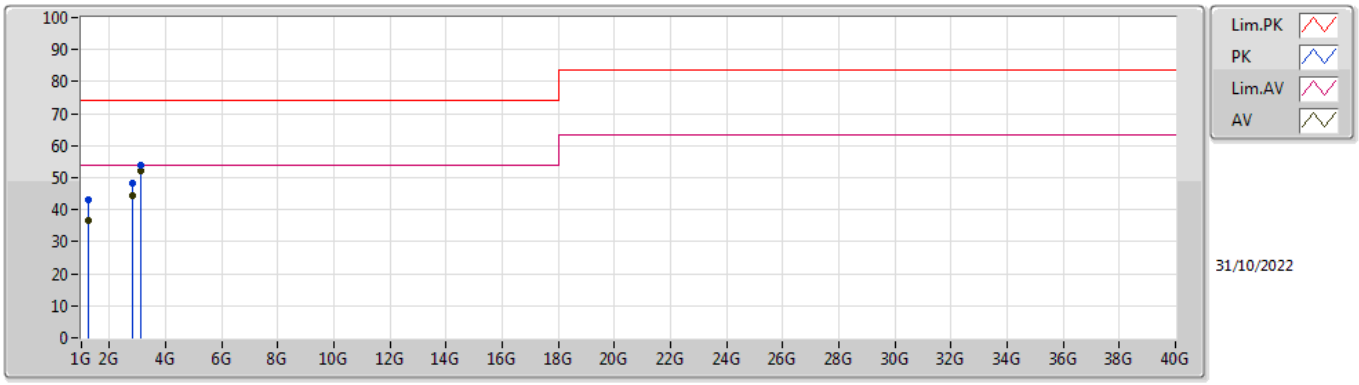
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	3.12498G	51.94	54.00	-2.06	Horizontal

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.2499G	39.83	74.00	-34.17	-5.39	3	Vertical	146	1.80	-	45.22	25.60	3.05	34.04
AV	1.25004G	32.68	54.00	-21.32	-5.38	3	Vertical	146	1.80	-	38.06	25.60	3.05	34.03
PK	2.81253G	46.21	74.00	-27.79	-0.35	3	Vertical	146	1.80	-	46.56	28.45	4.41	33.21
AV	2.81247G	41.81	54.00	-12.19	-0.35	3	Vertical	146	1.80	-	42.16	28.45	4.41	33.21
PK	3.12487G	49.54	74.00	-24.46	1.23	3	Vertical	299	1.01	-	48.31	29.80	4.66	33.23
AV	3.12499G	45.77	54.00	-8.23	1.23	3	Vertical	299	1.01	"Worst"	44.54	29.80	4.66	33.23

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.24992G	43.00	74.00	-31.00	-5.39	3	Horizontal	174	1.44	-	48.39	25.60	3.05	34.04
AV	1.24998G	36.83	54.00	-17.17	-5.39	3	Horizontal	174	1.44	-	42.22	25.60	3.05	34.04
PK	2.81255G	48.16	74.00	-25.84	-0.35	3	Horizontal	247	1.79	-	48.51	28.45	4.41	33.21
AV	2.8125G	44.28	54.00	-9.72	-0.35	3	Horizontal	246	1.80	-	44.63	28.45	4.41	33.21
PK	3.12499G	54.08	74.00	-19.92	1.23	3	Horizontal	247	1.01	-	52.85	29.80	4.66	33.23
AV	3.12498G	51.94	54.00	-2.06	1.23	3	Horizontal	246	1.01	"Worst"	50.71	29.80	4.66	33.23