Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	XHG-FX20
Equipment	:	AX1800 Router
Brand Name	:	JEXtream
Model Name	:	FX20
Applicant	:	Franklin Technology Inc. 906 JEI Platz, 186, Gasan digital 1-ro, Gumcheon-Gu, Seoul, South Korea, 08502
Manufacturer	:	Franklin Technology Inc. 906 JEI Platz, 186, Gasan digital 1-ro, Gumcheon-Gu, Seoul, South Korea, 08502
Standard	:	47 CFR FCC Part 15.407

The product was received on Apr. 29, 2022, and testing was started from May 02, 2022 and completed on May 11, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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

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History of this test report

Report No.	Version	Description	Issued Date
FR241329AB	01	Initial issue of report	Jun. 02, 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: Wendy Pan

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2
5.15-5.25GHz	802.11n HT20	20	2
5.15-5.25GHz	802.11ac VHT20	20	2
5.15-5.25GHz	802.11ax HEW20	20	2
5.15-5.25GHz	802.11n HT40	40	2
5.15-5.25GHz	802.11ac VHT40	40	2
5.15-5.25GHz	802.11ax HEW40	40	2
5.15-5.25GHz	802.11ac VHT80	80	2
5.15-5.25GHz	802.11ax HEW80	80	2
5.725-5.85GHz	802.11a	20	2
5.725-5.85GHz	802.11n HT20	20	2
5.725-5.85GHz	802.11ac VHT20	20	2
5.725-5.85GHz	802.11ax HEW20	20	2
5.725-5.85GHz	802.11n HT40	40	2
5.725-5.85GHz	802.11ac VHT40	40	2
5.725-5.85GHz	802.11ax HEW40	40	2
5.725-5.85GHz	802.11ac VHT80	80	2
5.725-5.85GHz	802.11ax HEW80	80	2

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

1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)		
	WLAN 2.4GHz	WLAN 5GHz					WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 3
1	2	1	Hutec	HMWD1-B100U	Dipole	I-PEX	4.20	4.02	4.74
2	1	2	Hutec	HMWD1-B100U	Dipole	I-PEX	4.20	4.02	4.74

Note1: The above information was declared by manufacturer.

For 2.4GHz function:

For IEEE 802.11b/g/n/ax mode (2TX/2RX):

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac/ax mode (2TX/2RX):

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

Port 1 and Port 2 could transmit/receive simultaneously.

Note 2: Directional gain information

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

Ex.

Directional Gain (NSS1) formula : $Directional Gain = 10 \cdot \log\left[\frac{\sum_{i=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{i,k}\right\}^2}{N_{ANT}}\right]$

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

$gj,k = (Nss1(g1,1) + Nss1(g1,2))^2$

$DG = 10 \log[(Nss1(g1,1) + Nss1(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$

Where ;

2.4G：G1 = 4.2 dBi ; G2 = 4.2 dBi ; DG = 7.21 dBi

5G B1：G1 = 4.02 dBi ; G2 = 4.02 dBi ; DG = 7.03 dBi

5G B4：G1 = 4.74 dBi ; G2 = 4.74 dBi ; DG = 7.75 dBi

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.929	0.32	1.361m	1k
802.11ax HEW20	0.909	0.41	987.5u	3k
802.11ax HEW40	0.837	0.77	521.25u	3k
802.11ax HEW80	0.736	1.33	280u	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
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	Tera Term Version: 4.105			

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

- FCC KDB 662911 D01 v02r01
- FCC KDB 412172 D01 v01r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Serway Lee	22.8~24.1 / 65~71	May 11, 2022
Radiated below 1GHz and Radiated Co-location	10CH01-CB	Allen Chung	21~22 / 55~56	May 02, 2022
Radiated above 1GHz	03CH02-CB	RJ Huang	24.2-26.1 / 55-58	May 06, 2022 ~ May 09, 2022
AC Conduction	CO01-CB	Joe Chu	20~22 / 60~62	May 02, 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)	5.0 dB	Confidence levels of 95%
Radiated Emissions below 1GHz	4.9 dB	Confidence levels of 95%
Radiated Emissions 1GHz ~ 40GHz (Co-location)	4.0 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	15.25
5200MHz	15.75
5240MHz	17
5745MHz	19.75
5785MHz	19.75
5825MHz	19.50
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	15.5
5200MHz	15.5
5240MHz	16.5
5745MHz	20
5785MHz	20
5825MHz	20
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	16.75
5230MHz	17.75
5755MHz	20.25
5795MHz	20.25
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	16.75
5775MHz	20.25

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT in X axis - Normal Link
2	EUT in Y axis - Normal Link
3	EUT in Z axis - Normal Link
For operating mode 2 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 in Y axis for harmonic and EUT in X axis for bandedge

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 for Emissions in Restricted Frequency Bands above 1GHz test, and the worst case was found as below. So the measurement will follow this same test configuration.
1	EUT in Y axis WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA241329 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Power	Brand Holder	Model	Rating
Adapter	Shenzhen ACT Industrial Co.,Ltd	APS-M018120150W-G	Input: 100-240V~50/60Hz, 0.6A, Max. Output: 12V, 1.5A
Others			
Stand*1 RJ-45 cable*1: Non-shielded, 1m.			

2.5 Support Equipment

For AC Conduction and Radiated (below 1GHz):

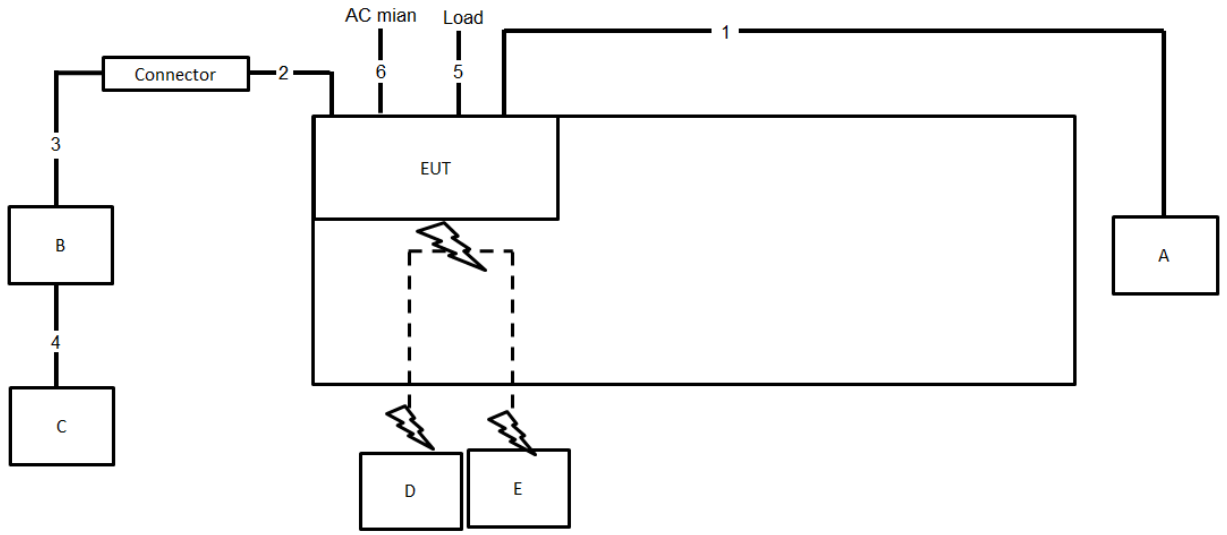
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN PC	DELL	T3400	N/A
B	AP router(WAN)	TP-LINK	Archer AX10	TE7AX10
C	AP NB	DELL	E6430	N/A
D	2.4G NB	DELL	E6430	N/A
E	5G NB	DELL	E6430	N/A

For Radiated (above 1GHz) and RF Conducted:

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

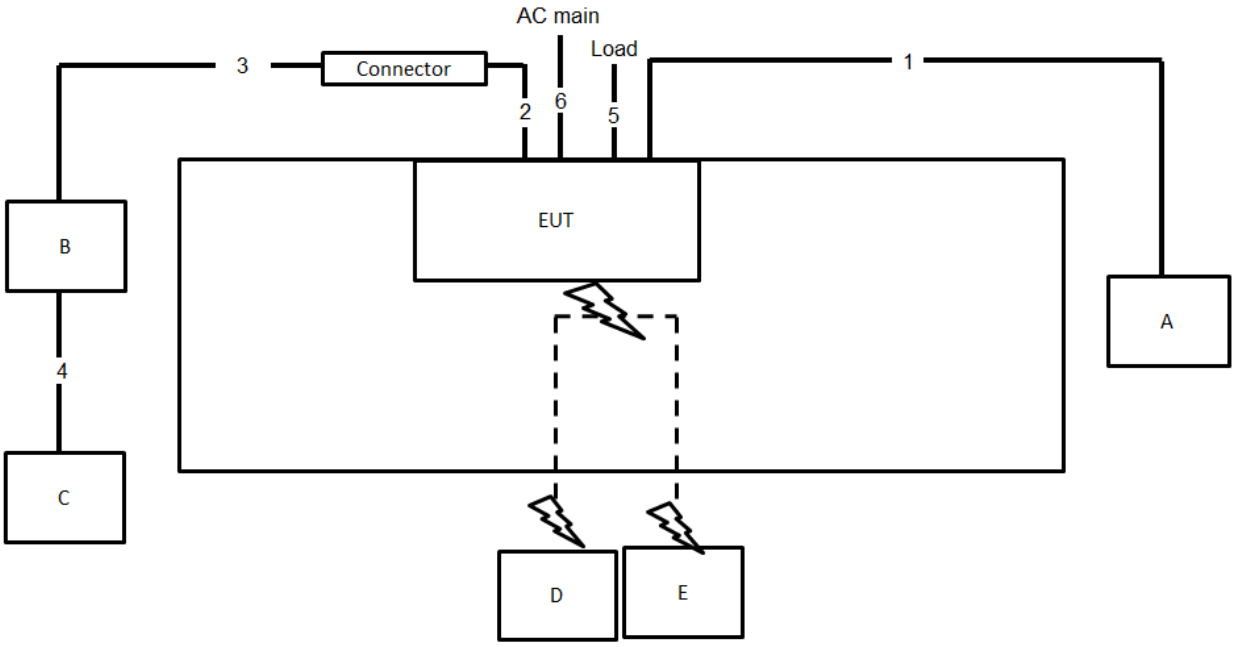
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



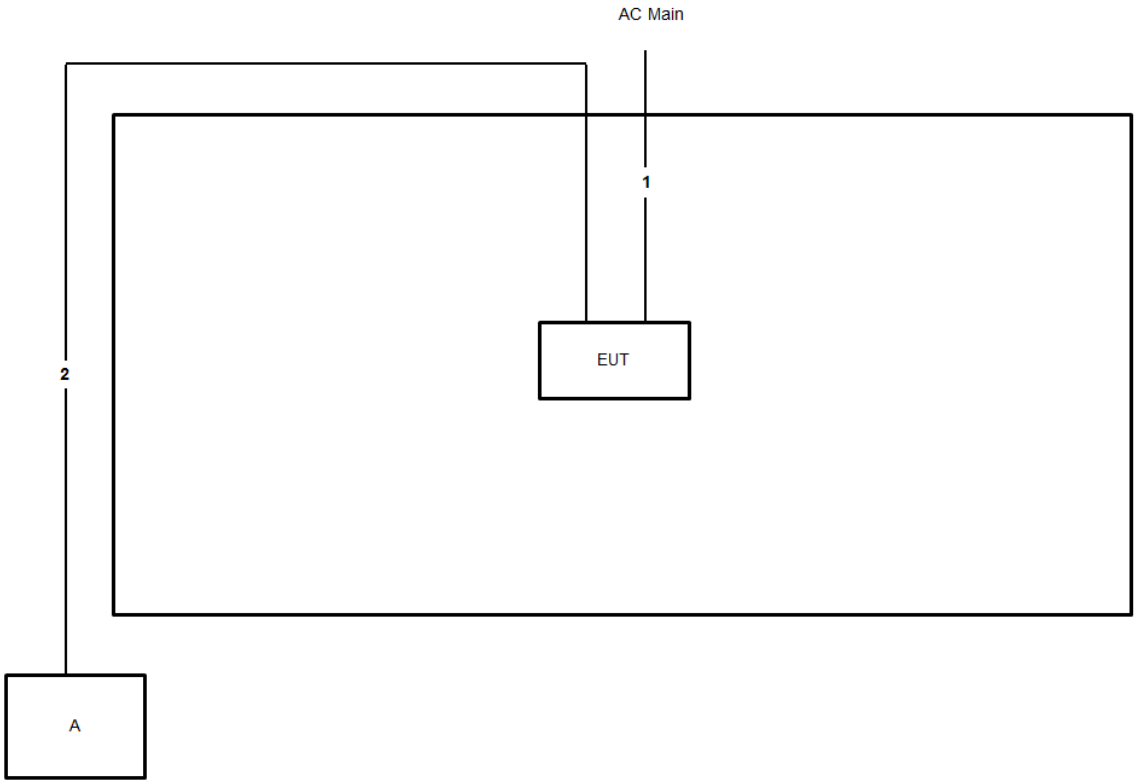
Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	1.5m
5	RJ-45 cable*3	No	3m
6	Power cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	1.5m
5	RJ-45 cable*3	No	3m
6	Power cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

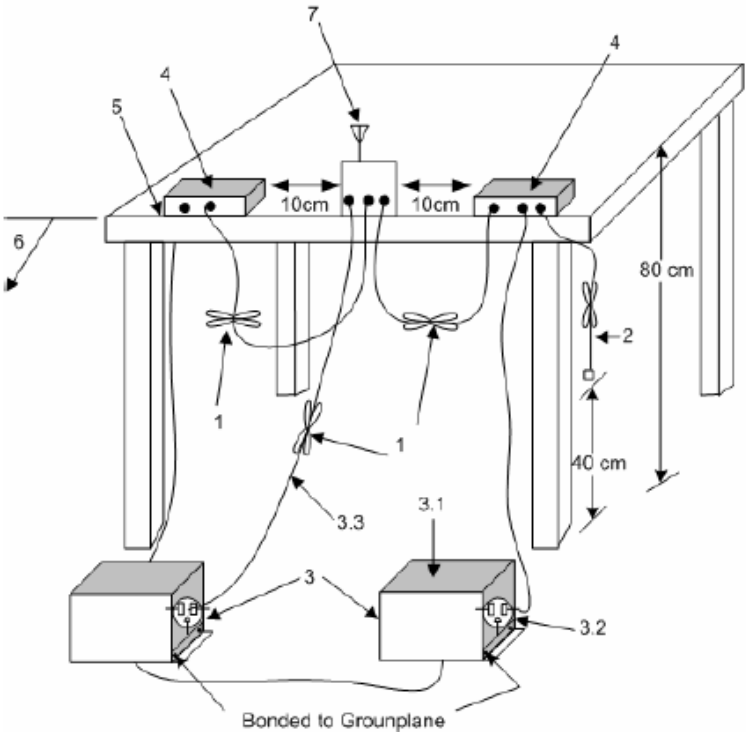
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

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.
☐	For the 5.85-5.895 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.

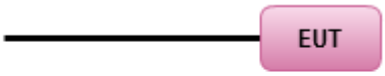
3.2.2 Measuring Instruments

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
 Spectrum Analyzer  EUT

3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Output Power

3.3.1 Limit

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

	lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
	Average over on/off periods with duty factor
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
☒	For conducted measurement.
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (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.
EIRP Power Spectral Density Limit	
☐	For the 5.85-5.895 GHz band:
	▪ Indoor AP & subordinate device < 20dBm/MHz
	▪ Client device < 14dBm/MHz
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
	▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for 0° ≤ 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

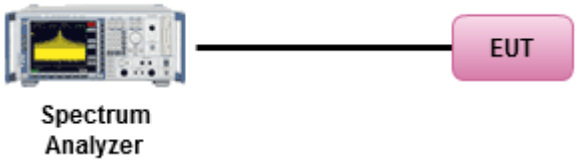
Refer a test equipment and calibration data table in this test report.

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]) $EIRP_{total} = PPSD_{total} + DG$
☐	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.

Test Method	
	▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

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.
☐ 5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz. (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

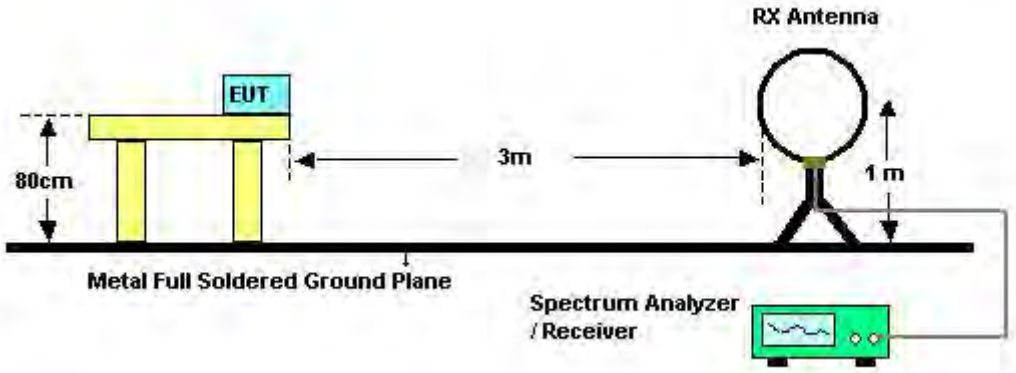
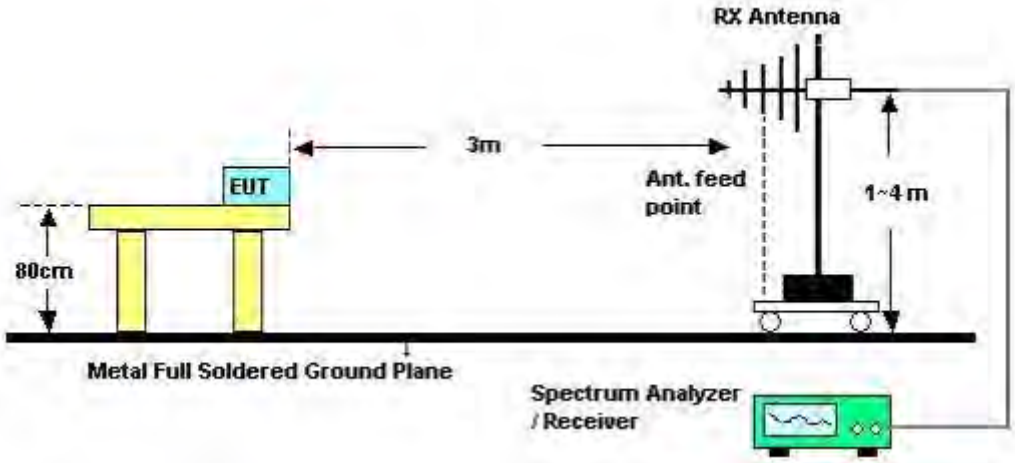
3.5.2 Measuring Instruments

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

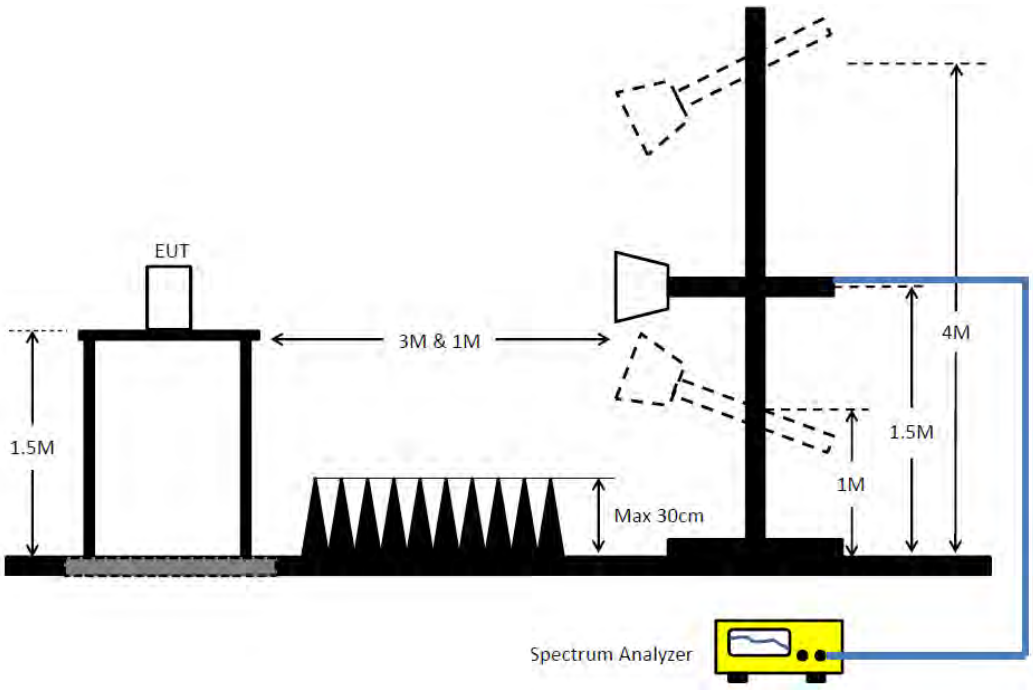
3.5.3 Test Procedures

Test Method		
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).		
▪ The average emission levels shall be measured in [duty cycle ≥ 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
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 18, 2022	Mar. 17, 2023	Radiation (10CH01-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 27, 2022	Jan. 26, 2023	Radiation (10CH01-CB)
10m Semi Anechoic Chamber VSWR	TDK	SAC-10M	10CH01-CB	1GHz ~18GHz 3m	Mar. 11, 2022	Mar. 10, 2023	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 11, 2022	Mar. 10, 2023	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 11, 2022	Mar. 10, 2023	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 19, 2021	Oct. 18, 2022	Radiation (10CH01-CB)
High Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 19, 2021	Oct. 18, 2022	Radiation (10CH01-CB)
Bilog Antenna with 6dB Attenuator	Chase & EMCI	CBL6111A &N-6-06	1543 &AT-N0609	30MHz ~ 1GHz	Jul. 01, 2021	Jun. 30, 2022	Radiation (10CH01-CB)
EMI Test Receiver	Rohde&Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (10CH01-CB)
Spectrum Analyzer	Rohde&Schwarz	FSV30	101026	9kHz ~ 30GHz	Apr. 22, 2022	Apr. 21, 2023	Radiation (10CH01-CB)
Horn Antenna	ESCO	3117	00081283	1GHz ~ 18GHz	Nov. 25, 2021	Nov. 24, 2022	Radiation (10CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (10CH01-CB)
Amplifier	Agilent	8449B	3008A02660	1GHz ~ 26.5GHz	May 20, 2021	May 19, 2022	Radiation (10CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (10CH01-CB)
CABLE	TITAN	T318E	high cable-02	1GHz ~ 18GHz	Mar. 16, 2022	Mar. 15, 2023	Radiation (10CH01-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (10CH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (10CH01-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (10CH01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (10CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
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)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	SWI-01-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 21, 2022	Feb. 20, 2023	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 21, 2022	Feb. 20, 2023	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

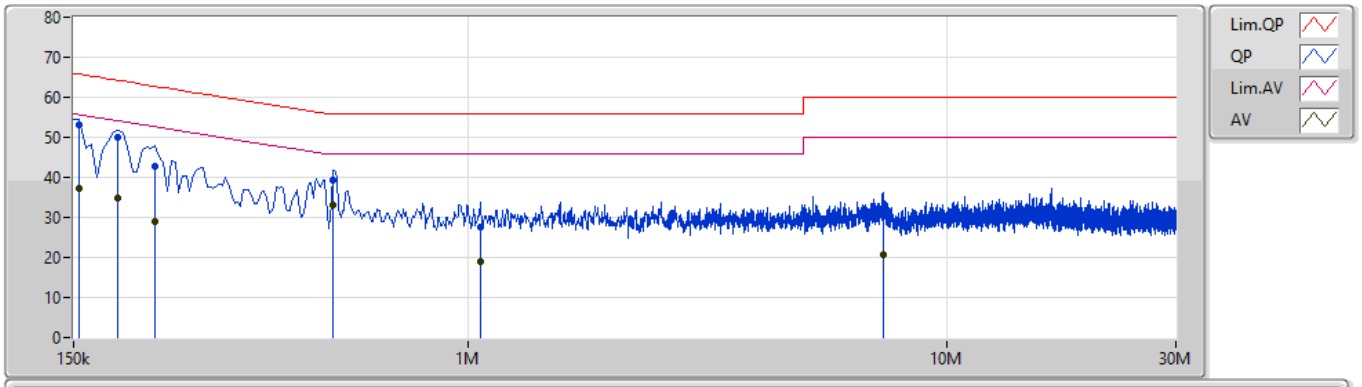
N.C.R. means Non-Calibration required.

Summary

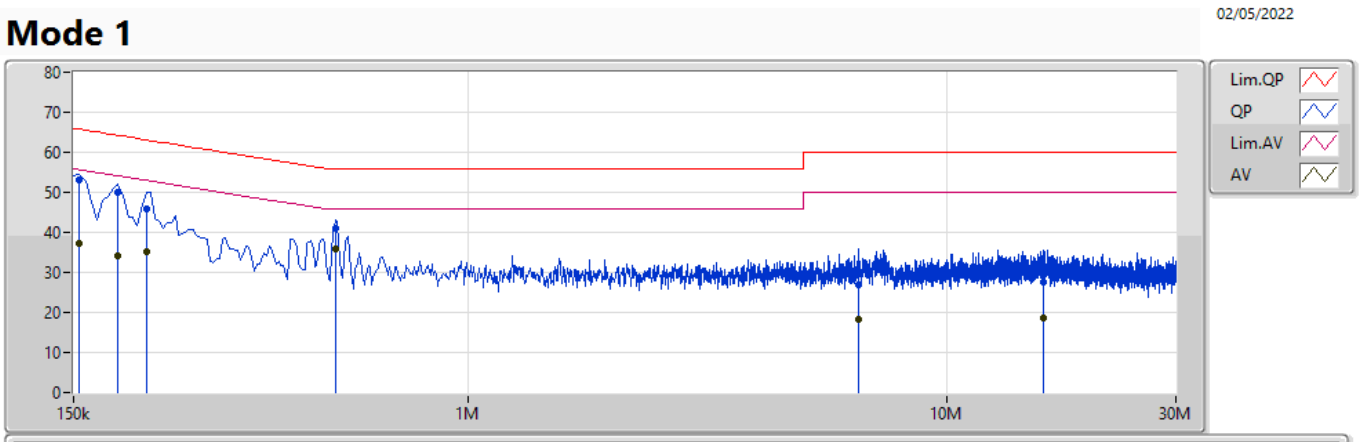
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	528k	36.01	46.00	-9.99	Neutral

Mode 1

02/05/2022



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	53.20	65.75	-12.55	9.97	Line	"Worst"	43.23	0.06	0.02	9.89
AV	154.5k	37.21	55.75	-18.54	9.97	Line	-	27.24	0.06	0.02	9.89
QP	186k	50.03	64.20	-14.17	9.97	Line	-	40.06	0.06	0.02	9.89
AV	186k	34.72	54.20	-19.48	9.97	Line	-	24.75	0.06	0.02	9.89
QP	222k	42.88	62.75	-19.87	9.97	Line	-	32.91	0.06	0.02	9.89
AV	222k	28.84	52.75	-23.91	9.97	Line	-	18.87	0.06	0.02	9.89
QP	523.5k	39.39	56.00	-16.61	9.97	Line	-	29.42	0.06	0.02	9.89
AV	523.5k	32.98	46.00	-13.02	9.97	Line	-	23.01	0.06	0.02	9.89
QP	1.059M	27.62	56.00	-28.38	9.98	Line	-	17.64	0.07	0.02	9.89
AV	1.059M	19.03	46.00	-26.97	9.98	Line	-	9.05	0.07	0.02	9.89
QP	7.341M	30.23	60.00	-29.77	10.16	Line	-	20.07	0.19	0.07	9.90
AV	7.341M	20.60	50.00	-29.40	10.16	Line	-	10.44	0.19	0.07	9.90



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	53.05	65.75	-12.70	9.98	Neutral	-	43.07	0.07	0.02	9.89
AV	154.5k	37.23	55.75	-18.52	9.98	Neutral	-	27.25	0.07	0.02	9.89
QP	186k	49.89	64.20	-14.31	9.98	Neutral	-	39.91	0.07	0.02	9.89
AV	186k	33.98	54.20	-20.22	9.98	Neutral	-	24.00	0.07	0.02	9.89
QP	213k	45.92	63.09	-17.17	9.98	Neutral	-	35.94	0.07	0.02	9.89
AV	213k	35.03	53.09	-18.06	9.98	Neutral	-	25.05	0.07	0.02	9.89
QP	528k	41.04	56.00	-14.96	9.98	Neutral	-	31.06	0.07	0.02	9.89
AV	528k	36.01	46.00	-9.99	9.98	Neutral	"Worst"	26.03	0.07	0.02	9.89
QP	6.531M	27.00	60.00	-33.00	10.16	Neutral	-	16.84	0.19	0.07	9.90
AV	6.531M	18.36	50.00	-31.64	10.16	Neutral	-	8.20	0.19	0.07	9.90
QP	15.828M	27.70	60.00	-32.30	10.33	Neutral	-	17.37	0.28	0.11	9.94
AV	15.828M	18.56	50.00	-31.44	10.33	Neutral	-	8.23	0.28	0.11	9.94

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)_2TX	22.44M	16.942M	16M9D1D	21.75M	16.702M
802.11ax HEW20_Nss1,(MCS0)_2TX	23.88M	19.25M	19M2D1D	22.38M	19.04M
802.11ax HEW40_Nss1,(MCS0)_2TX	43.56M	38.501M	38M5D1D	42.96M	38.261M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.6M	77.361M	77M4D1D	81.6M	77.241M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.32M	17.211M	17M2D1D	16.26M	16.912M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.84M	19.37M	19M4D1D	18.48M	19.07M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.74M	38.741M	38M7D1D	37.44M	38.621M
802.11ax HEW80_Nss1,(MCS0)_2TX	75.84M	77.721M	77M7D1D	75.84M	77.721M

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

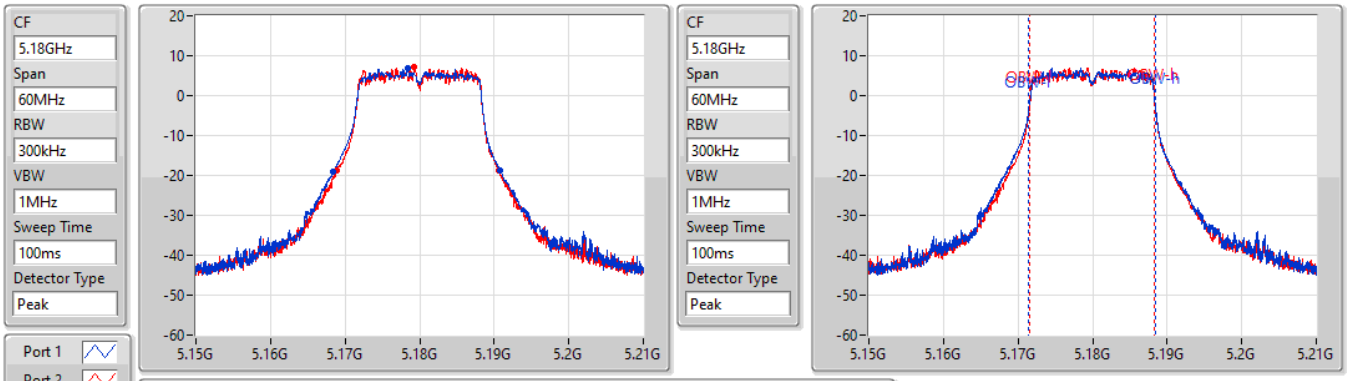
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	22.38M	16.912M	21.75M	16.702M
5200MHz	Pass	Inf	22.29M	16.912M	21.81M	16.702M
5240MHz	Pass	Inf	22.44M	16.942M	21.75M	16.702M
5745MHz	Pass	500k	16.26M	17.181M	16.32M	16.912M
5785MHz	Pass	500k	16.32M	17.211M	16.26M	16.912M
5825MHz	Pass	500k	16.29M	17.151M	16.32M	16.912M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	23.85M	19.25M	22.5M	19.04M
5200MHz	Pass	Inf	23.88M	19.25M	22.41M	19.04M
5240MHz	Pass	Inf	23.85M	19.25M	22.38M	19.04M
5745MHz	Pass	500k	18.48M	19.34M	18.84M	19.07M
5785MHz	Pass	500k	18.69M	19.37M	18.81M	19.1M
5825MHz	Pass	500k	18.84M	19.31M	18.81M	19.13M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	42.96M	38.261M	43.38M	38.381M
5230MHz	Pass	Inf	43.08M	38.381M	43.56M	38.501M
5755MHz	Pass	500k	37.44M	38.621M	37.74M	38.741M
5795MHz	Pass	500k	37.74M	38.621M	37.68M	38.741M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.6M	77.361M	81.6M	77.241M
5775MHz	Pass	500k	75.84M	77.721M	75.84M	77.721M

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)_2TX EBW

5180MHz

11/05/2022

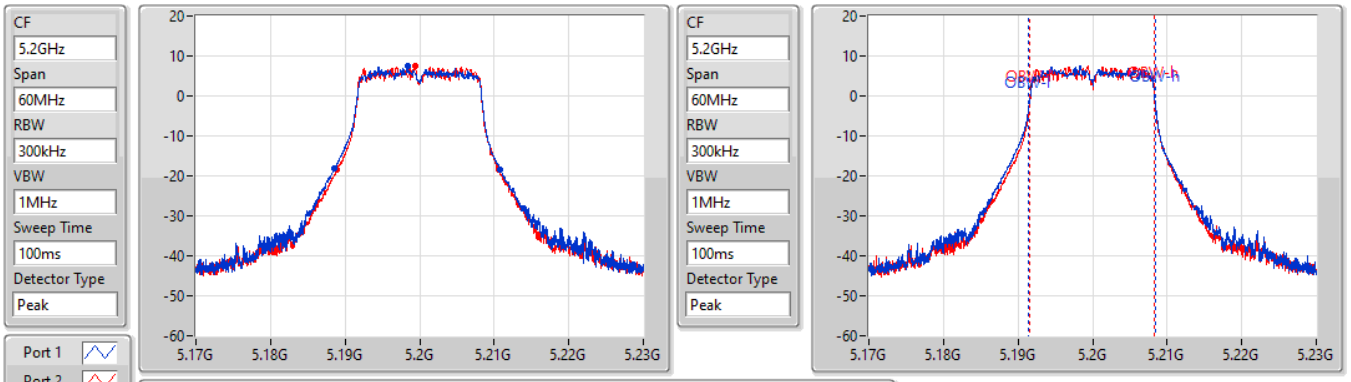


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.38M	5.16845G	5.19083G	16.912M	5.171454G	5.188366G	Inf	1
21.75M	5.1689G	5.19065G	16.702M	5.171604G	5.188306G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

11/05/2022

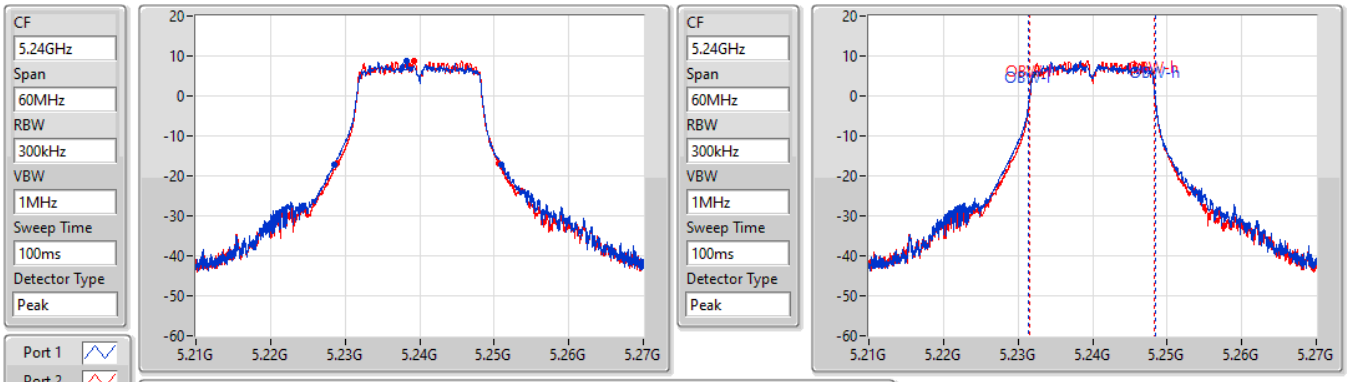


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.29M	5.18854G	5.21083G	16.912M	5.191454G	5.208366G	Inf	1
21.81M	5.18887G	5.21068G	16.702M	5.191604G	5.208306G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

11/05/2022

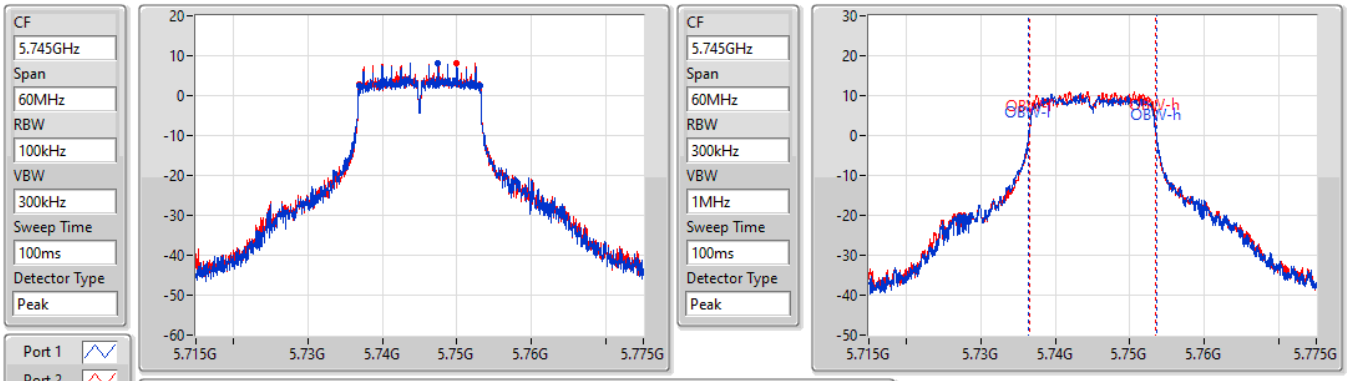


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.44M	5.22848G	5.25092G	16.942M	5.231454G	5.248396G	Inf	1
21.75M	5.2289G	5.25065G	16.702M	5.231604G	5.248306G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

11/05/2022

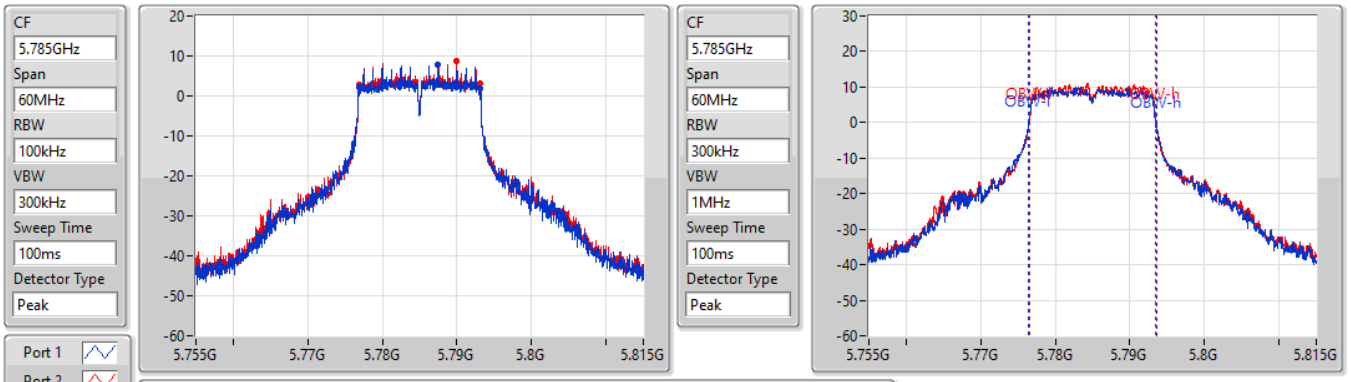


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.26M	5.73687G	5.75313G	17.181M	5.736394G	5.753576G	500k	1
16.32M	5.73684G	5.75316G	16.912M	5.736514G	5.753426G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

11/05/2022

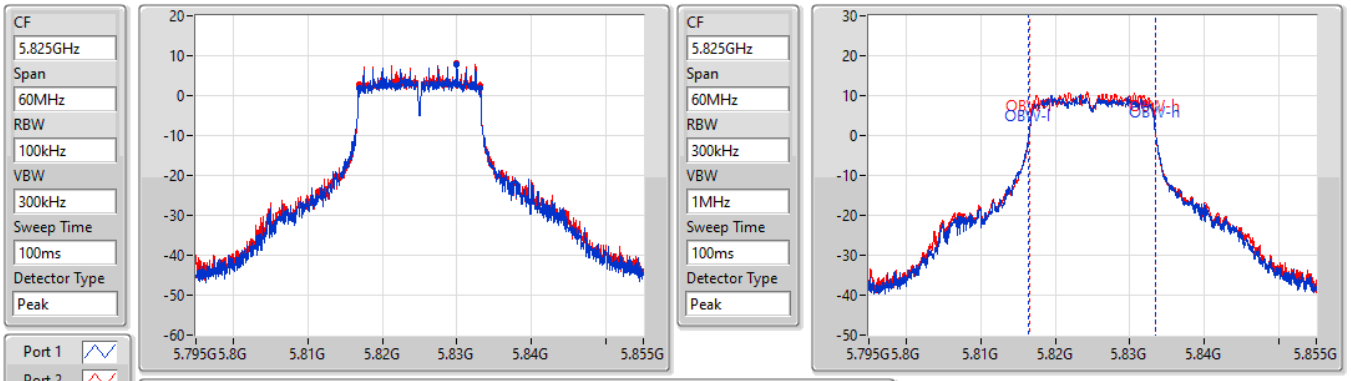


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.77684G	5.79316G	17.211M	5.776364G	5.793576G	500k	1
16.26M	5.77687G	5.79313G	16.912M	5.776514G	5.793426G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

11/05/2022

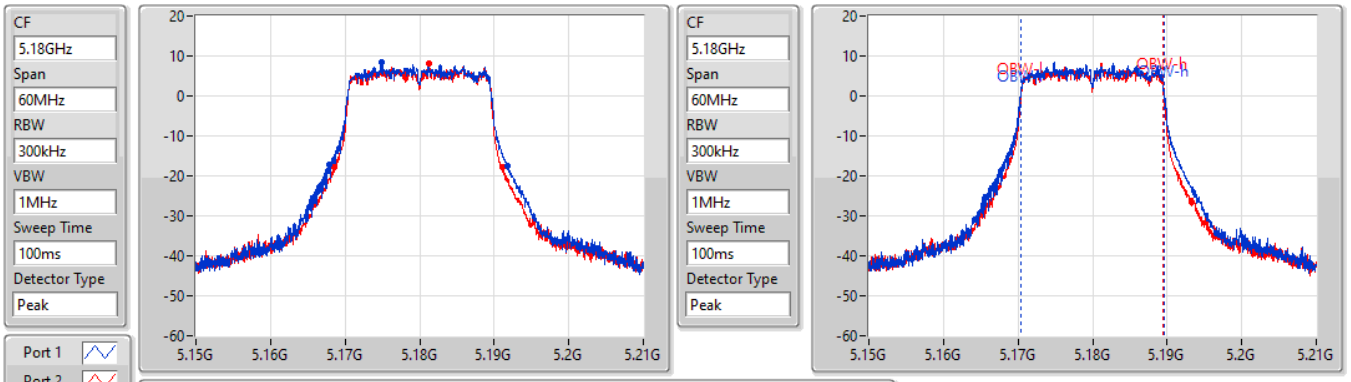


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.81684G	5.83313G	17.151M	5.816364G	5.833516G	500k	1
16.32M	5.81684G	5.83316G	16.912M	5.816514G	5.833426G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5180MHz

11/05/2022

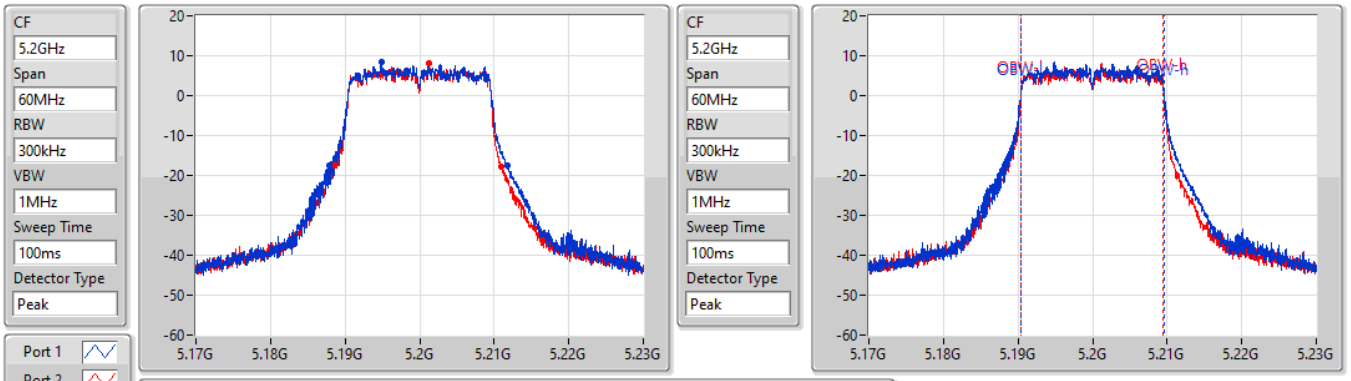


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.85M	5.16791G	5.19176G	19.25M	5.170345G	5.189595G	Inf	1
22.5M	5.16854G	5.19104G	19.04M	5.170465G	5.189505G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5200MHz

11/05/2022

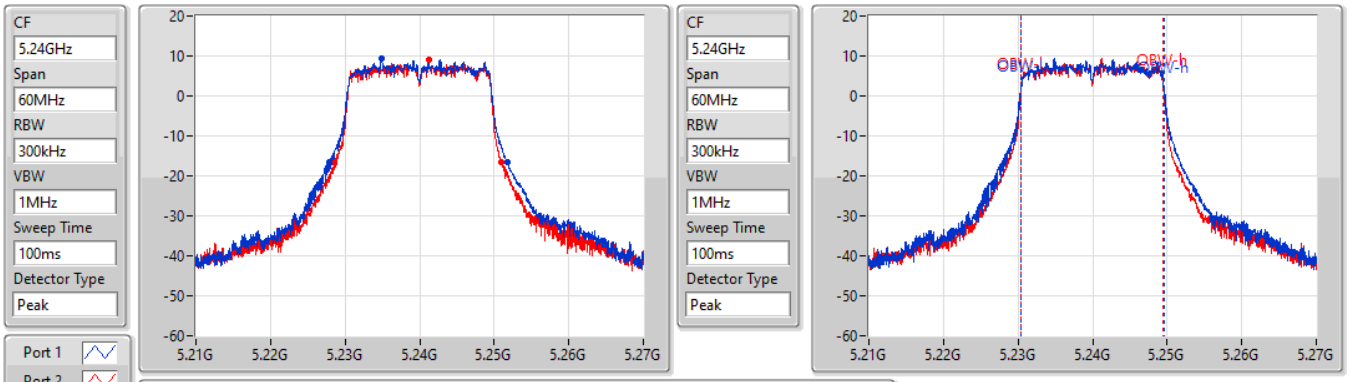


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.88M	5.18785G	5.21173G	19.25M	5.190345G	5.209595G	Inf	1
22.41M	5.1886G	5.21101G	19.04M	5.190465G	5.209505G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5240MHz

11/05/2022

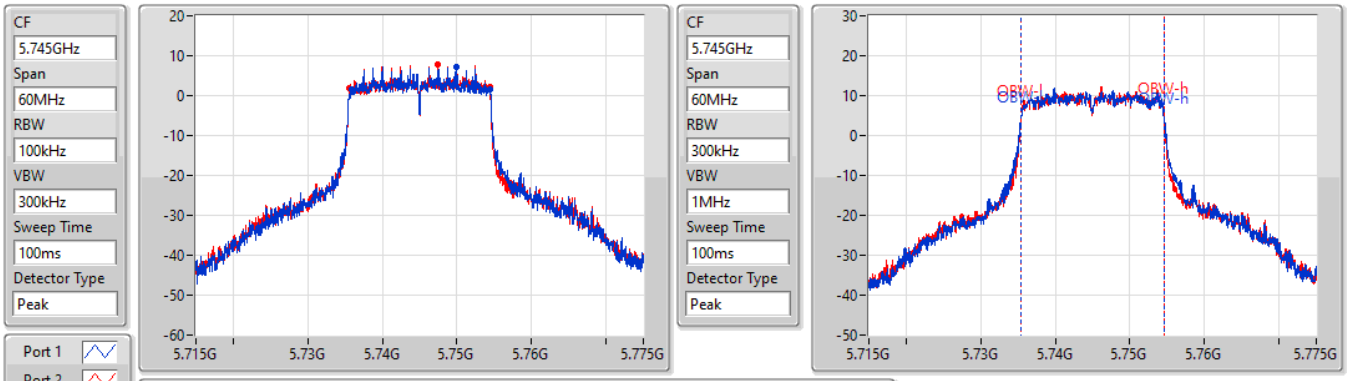


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.85M	5.22785G	5.2517G	19.25M	5.230345G	5.249595G	Inf	1
22.38M	5.22863G	5.25101G	19.04M	5.230465G	5.249505G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5745MHz

11/05/2022

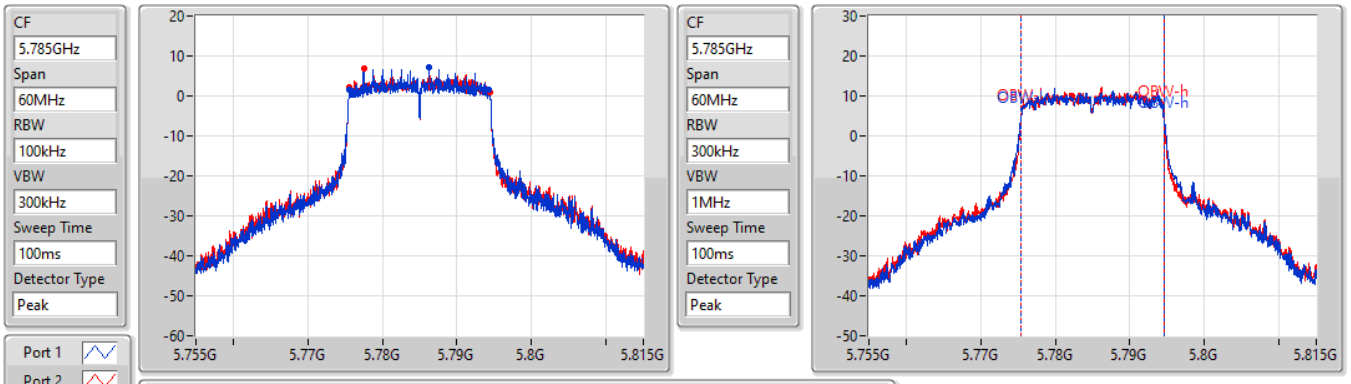


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.48M	5.73591G	5.75439G	19.34M	5.735345G	5.754685G	500k	1
18.84M	5.73558G	5.75442G	19.07M	5.735465G	5.754535G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5785MHz

11/05/2022

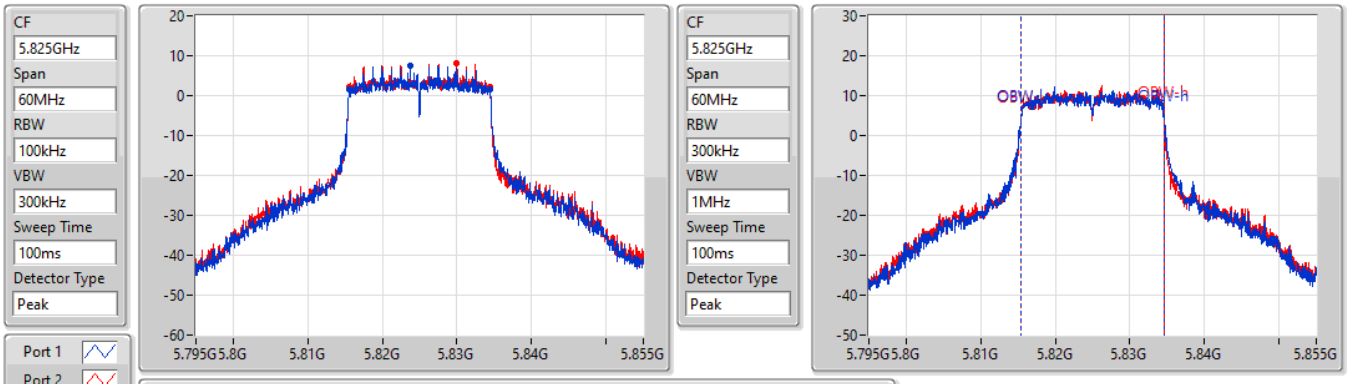


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.69M	5.77552G	5.79421G	19.37M	5.775315G	5.794685G	500k	1
18.81M	5.77564G	5.79445G	19.1M	5.7754435G	5.794535G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5825MHz

11/05/2022

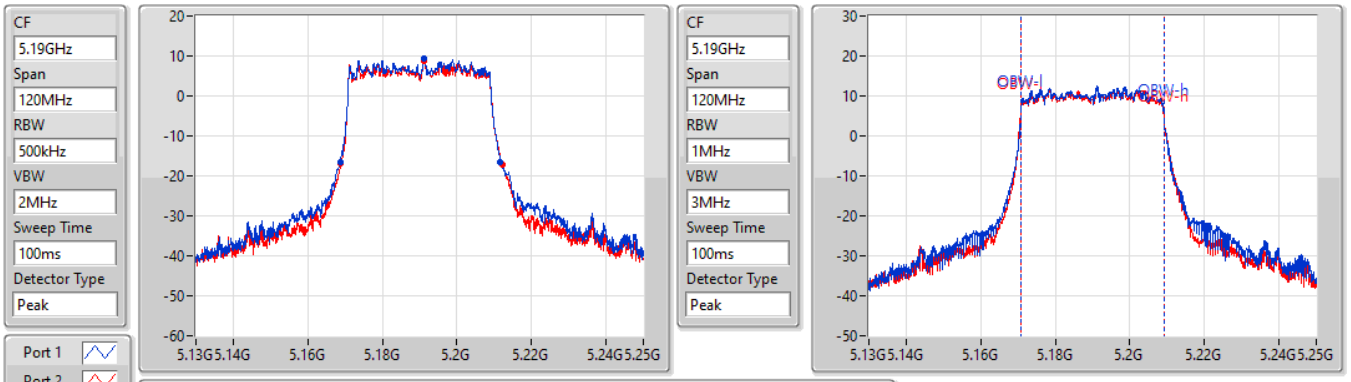


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.84M	5.81555G	5.83439G	19.31M	5.815345G	5.834655G	500k	1
18.81M	5.81558G	5.83439G	19.13M	5.815405G	5.834535G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5190MHz

11/05/2022

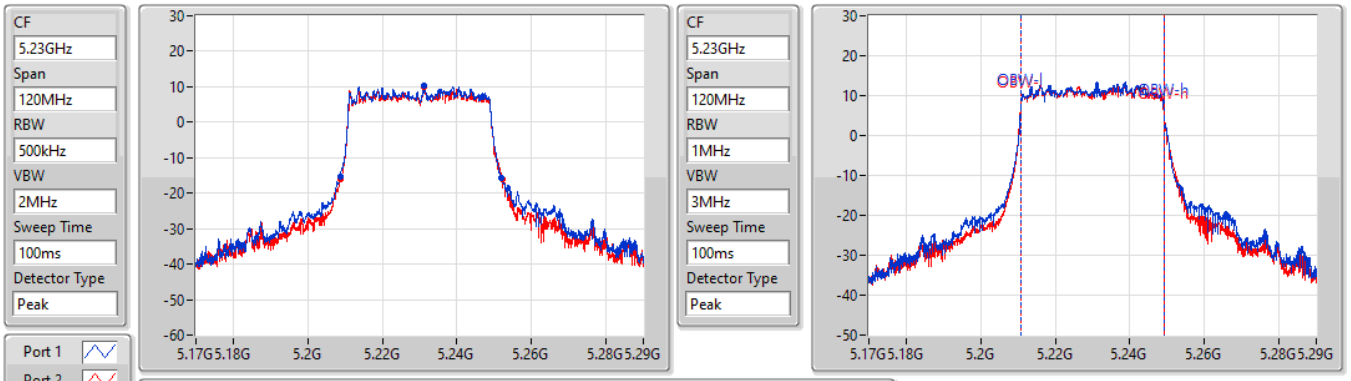


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.96M	5.16876G	5.21172G	38.261M	5.17087G	5.20913G	Inf	1
43.38M	5.16894G	5.21232G	38.381M	5.17081G	5.20919G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5230MHz

11/05/2022

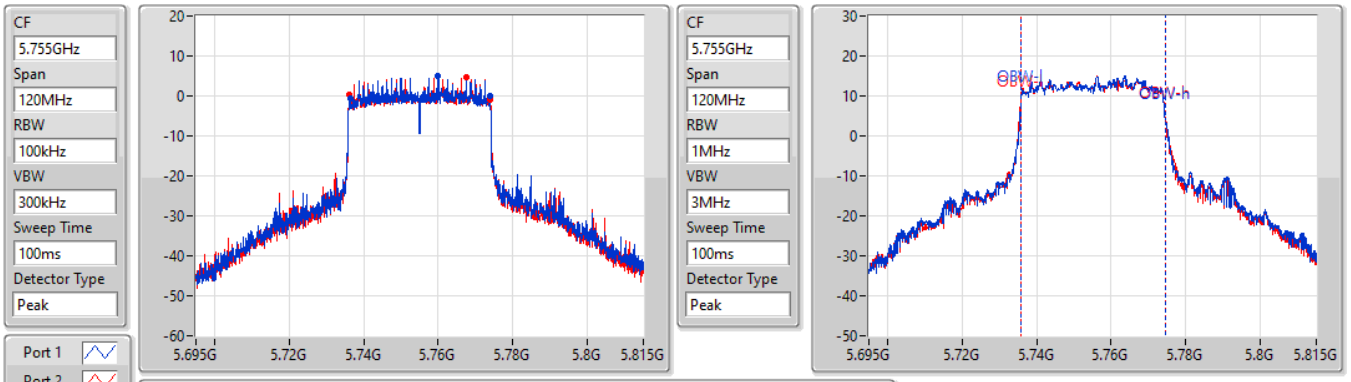


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.08M	5.2087G	5.25178G	38.381M	5.21081G	5.24919G	Inf	1
43.56M	5.20882G	5.25238G	38.501M	5.21075G	5.24925G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5755MHz

11/05/2022

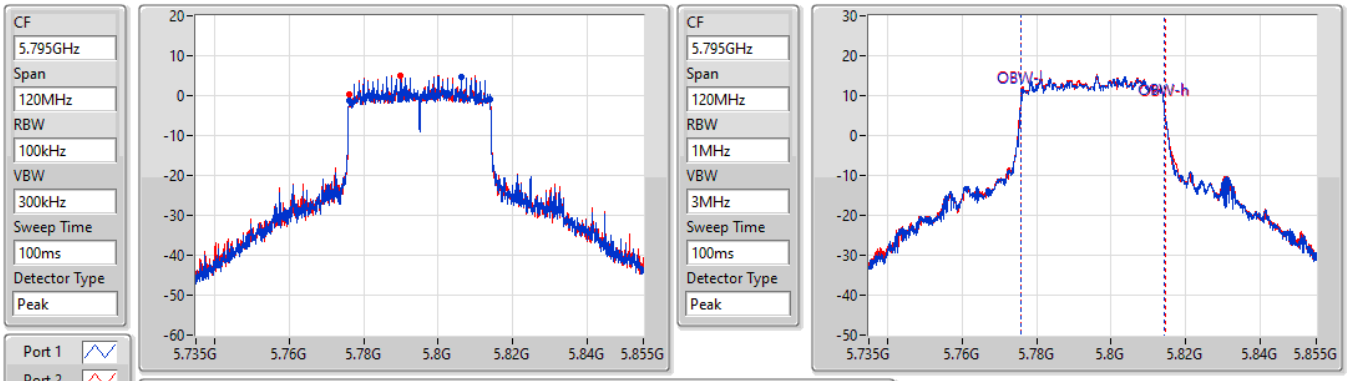


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.44M	5.73634G	5.77378G	38.621M	5.73581G	5.77443G	500k	1
37.74M	5.7361G	5.77384G	38.741M	5.73569G	5.77443G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5795MHz

11/05/2022

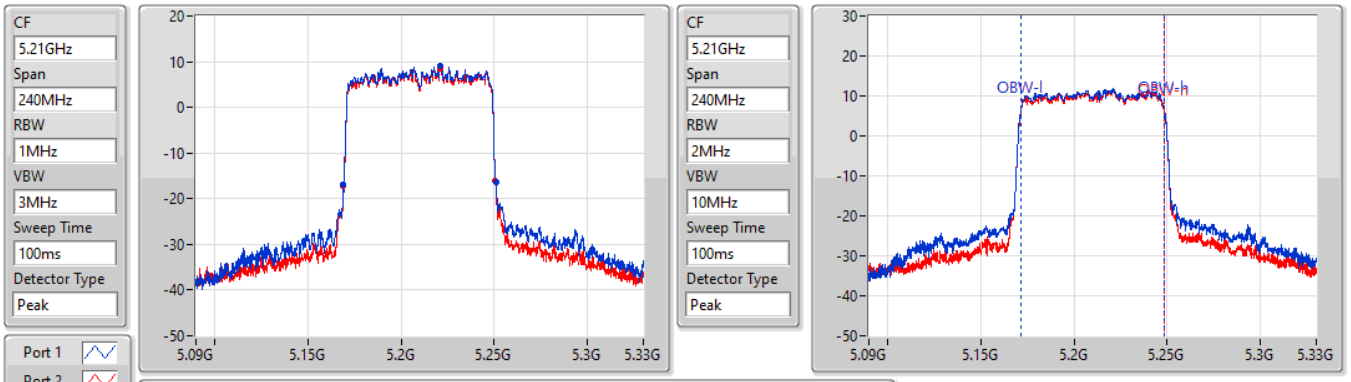


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.74M	5.7761G	5.81384G	38.621M	5.77575G	5.81437G	500k	1
37.68M	5.7761G	5.81378G	38.741M	5.77569G	5.81443G	500k	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5210MHz

11/05/2022

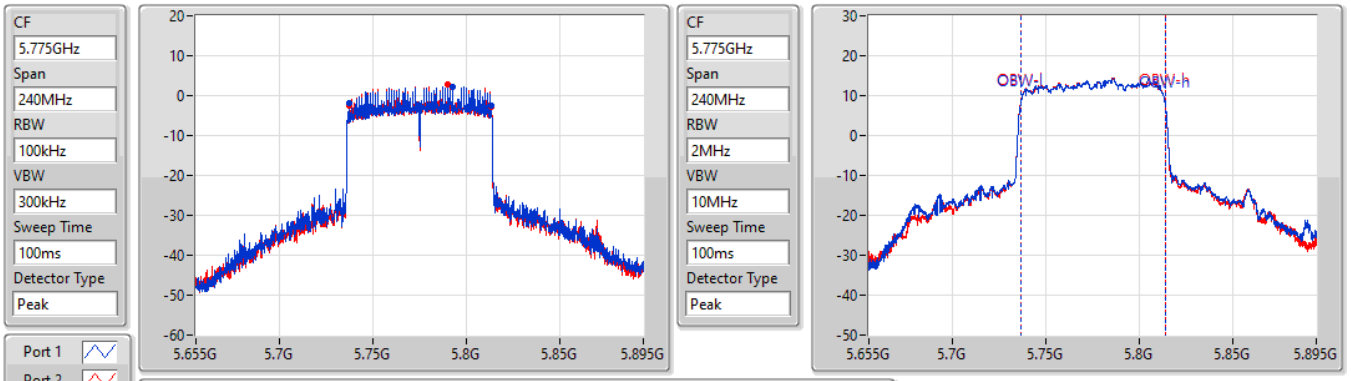


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.6M	5.1692G	5.2508G	77.361M	5.171379G	5.248741G	Inf	1
81.6M	5.16908G	5.25068G	77.241M	5.171499G	5.248741G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5775MHz

11/05/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.84M	5.73744G	5.81328G	77.721M	5.736259G	5.813981G	500k	1
75.84M	5.73744G	5.81328G	77.721M	5.736259G	5.813981G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	20.24	0.10568
802.11ax HEW20_Nss1,(MCS0)_2TX	19.39	0.08690
802.11ax HEW40_Nss1,(MCS0)_2TX	20.37	0.10889
802.11ax HEW80_Nss1,(MCS0)_2TX	19.40	0.08710
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.20	0.16596
802.11ax HEW20_Nss1,(MCS0)_2TX	22.24	0.16749
802.11ax HEW40_Nss1,(MCS0)_2TX	22.19	0.16558
802.11ax HEW80_Nss1,(MCS0)_2TX	22.10	0.16218

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	4.02	15.49	15.27	18.39	30.00
5200MHz	Pass	4.02	15.94	15.66	18.81	30.00
5240MHz	Pass	4.02	17.24	17.21	20.24	30.00
5745MHz	Pass	4.74	18.84	19.11	21.99	30.00
5785MHz	Pass	4.74	18.95	19.41	22.20	30.00
5825MHz	Pass	4.74	18.78	19.23	22.02	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	4.02	15.39	15.08	18.25	30.00
5200MHz	Pass	4.02	15.29	15.06	18.19	30.00
5240MHz	Pass	4.02	16.43	16.32	19.39	30.00
5745MHz	Pass	4.74	18.87	19.13	22.01	30.00
5785MHz	Pass	4.74	18.81	19.26	22.05	30.00
5825MHz	Pass	4.74	19.02	19.43	22.24	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	4.02	16.67	16.05	19.38	30.00
5230MHz	Pass	4.02	17.58	17.12	20.37	30.00
5755MHz	Pass	4.74	19.07	19.03	22.06	30.00
5795MHz	Pass	4.74	19.09	19.27	22.19	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	4.02	16.64	16.12	19.40	30.00
5775MHz	Pass	4.74	19.06	19.11	22.10	30.00

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	7.50
802.11ax HEW20_Nss1,(MCS0)_2TX	6.19
802.11ax HEW40_Nss1,(MCS0)_2TX	4.34
802.11ax HEW80_Nss1,(MCS0)_2TX	0.53
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	7.75
802.11ax HEW20_Nss1,(MCS0)_2TX	7.48
802.11ax HEW40_Nss1,(MCS0)_2TX	4.66
802.11ax HEW80_Nss1,(MCS0)_2TX	1.88

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

Result

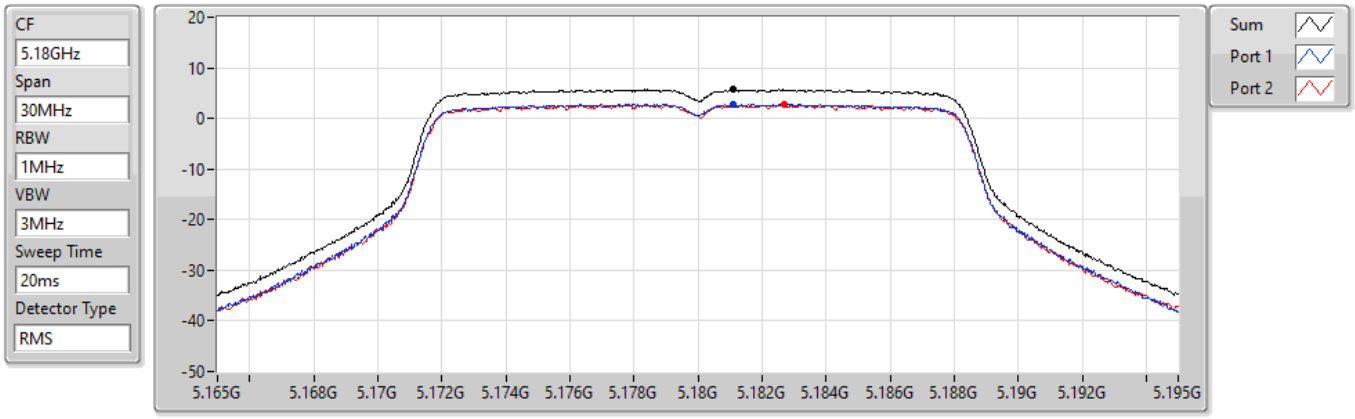
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.03	2.77	2.74	5.72	15.97
5200MHz	Pass	7.03	3.40	3.18	6.17	15.97
5240MHz	Pass	7.03	4.55	4.50	7.50	15.97
5745MHz	Pass	7.75	4.67	4.93	7.70	28.25
5785MHz	Pass	7.75	4.61	5.11	7.75	28.25
5825MHz	Pass	7.75	4.55	5.05	7.72	28.25
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.03	2.18	1.97	5.04	15.97
5200MHz	Pass	7.03	2.21	1.89	5.03	15.97
5240MHz	Pass	7.03	3.37	3.20	6.19	15.97
5745MHz	Pass	7.75	4.31	4.41	7.16	28.25
5785MHz	Pass	7.75	4.14	4.73	7.30	28.25
5825MHz	Pass	7.75	4.32	4.93	7.48	28.25
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	7.03	0.99	0.17	3.47	15.97
5230MHz	Pass	7.03	1.64	1.26	4.34	15.97
5755MHz	Pass	7.75	1.69	1.46	4.47	28.25
5795MHz	Pass	7.75	1.73	1.79	4.66	28.25
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	7.03	-2.04	-2.49	0.53	15.97
5775MHz	Pass	7.75	-1.03	-0.88	1.88	28.25

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)_2TX PSD

5180MHz

11/05/2022

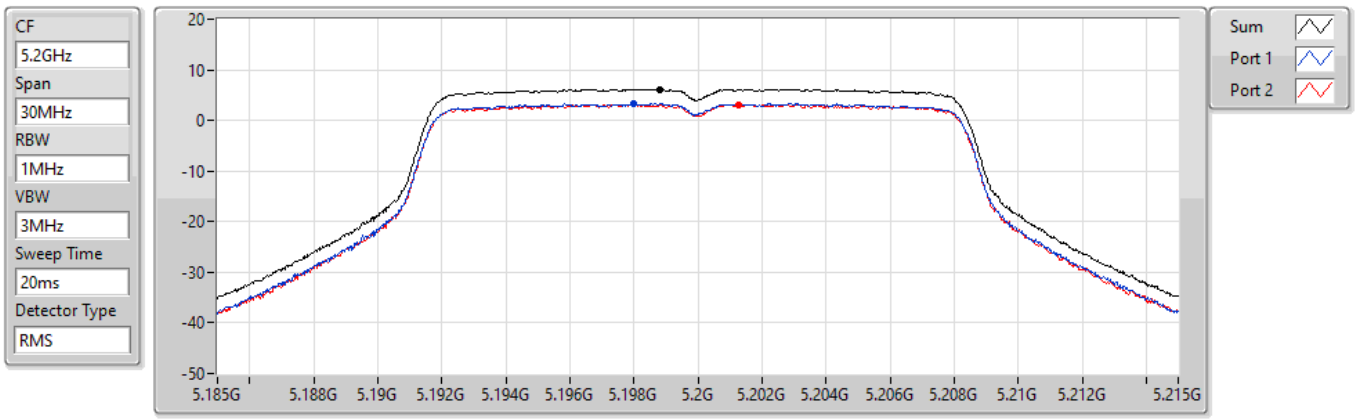


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.72	5.72	2.77	2.74

802.11a_Nss1,(6Mbps)_2TX PSD

5200MHz

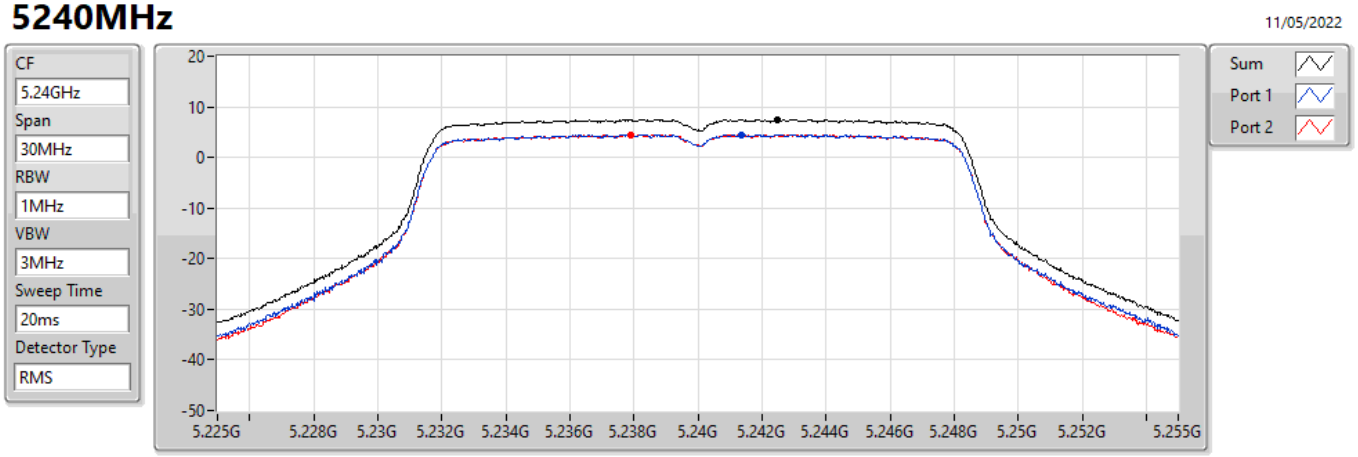
11/05/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.17	6.17	3.40	3.18

802.11a_Nss1,(6Mbps)_2TX PSD

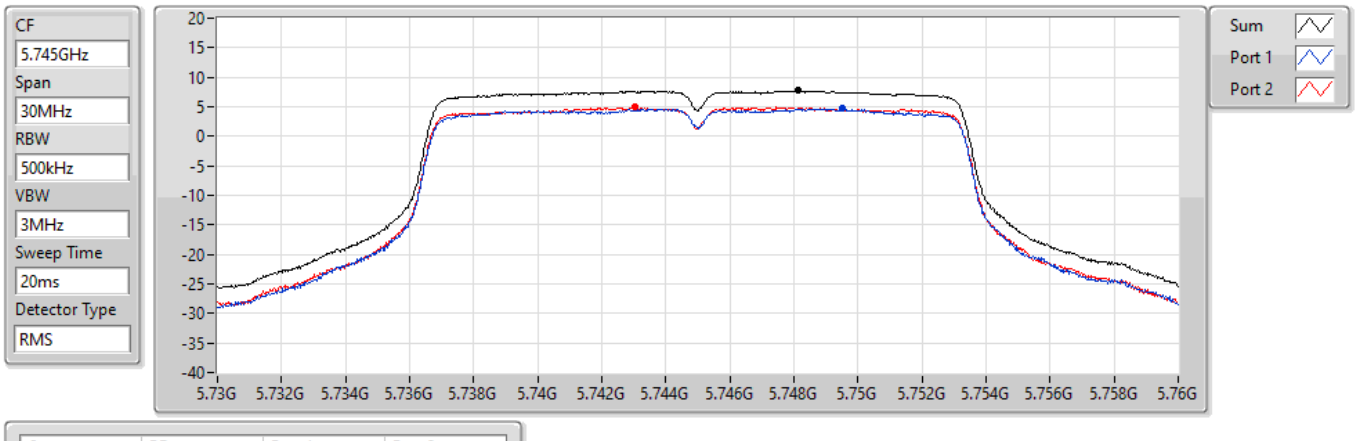
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.50	7.50	4.55	4.50

802.11a_Nss1,(6Mbps)_2TX PSD

5745MHz

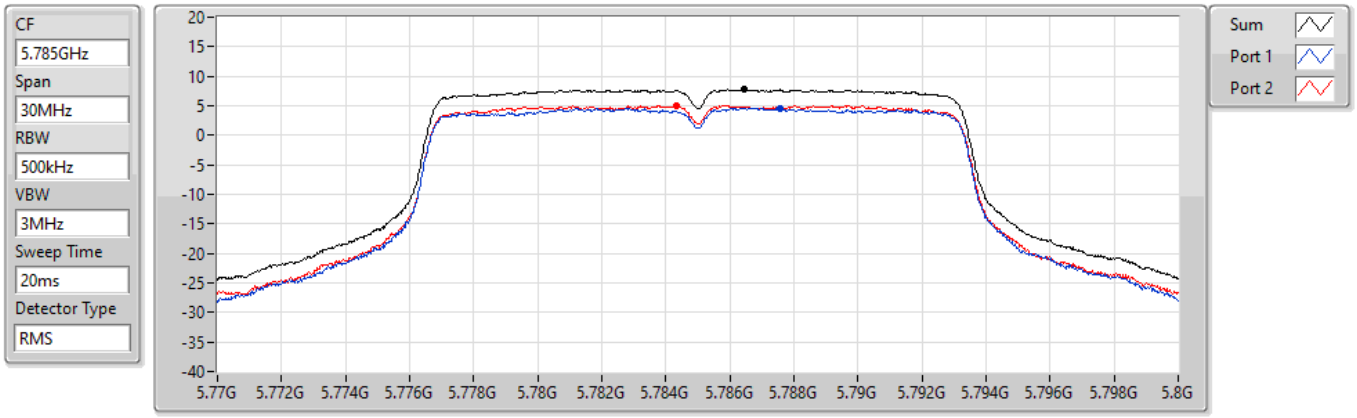


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.70	7.70	4.67	4.93

802.11a_Nss1,(6Mbps)_2TX PSD

5785MHz

11/05/2022

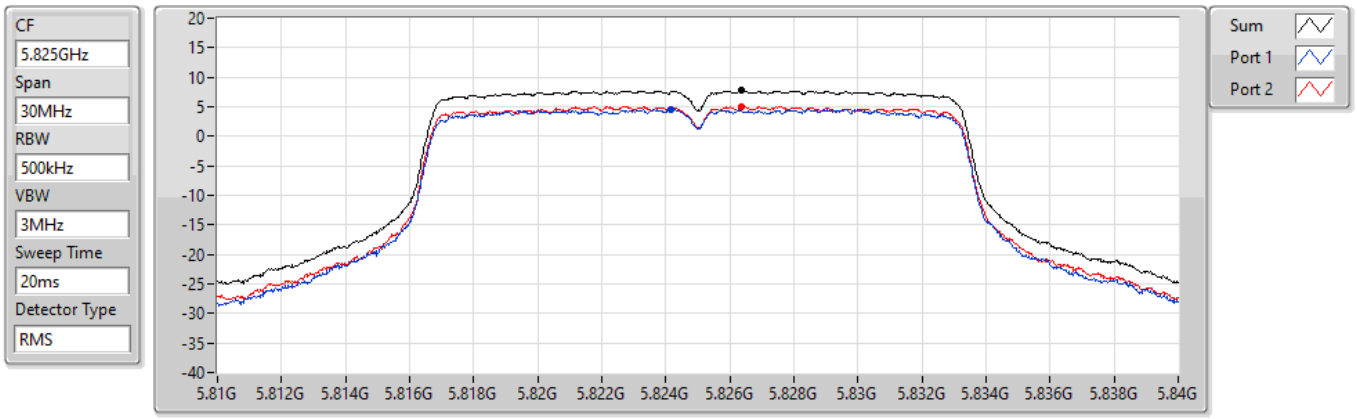


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.75	7.75	4.61	5.11

802.11a_Nss1,(6Mbps)_2TX PSD

5825MHz

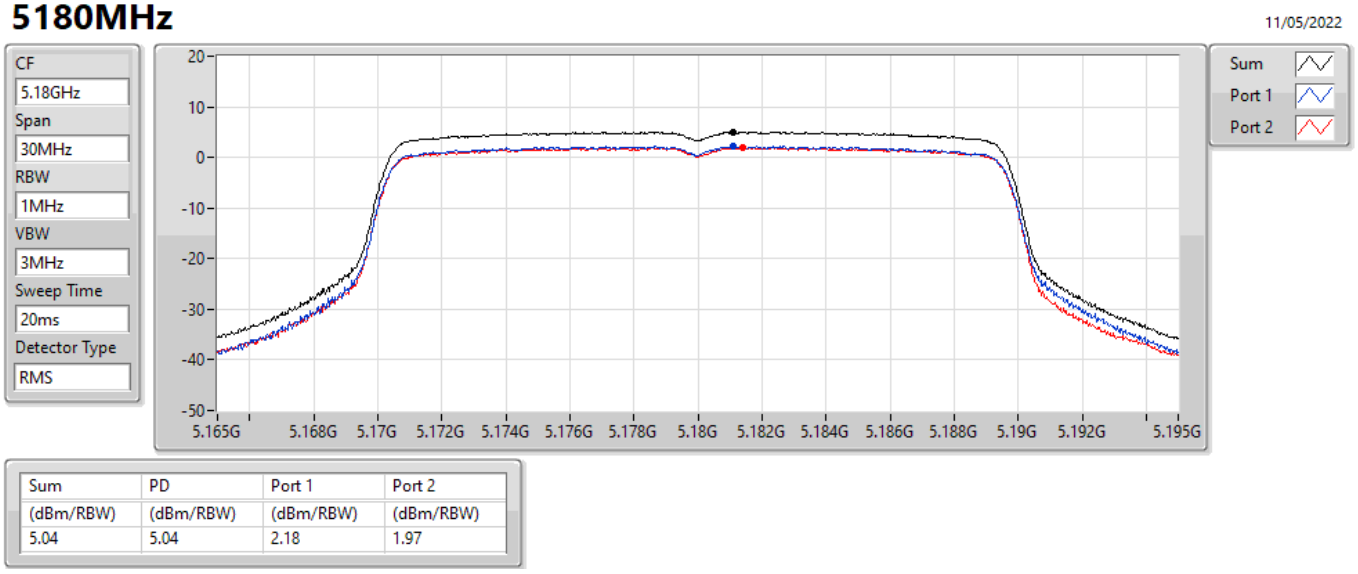
11/05/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.72	7.72	4.55	5.05

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

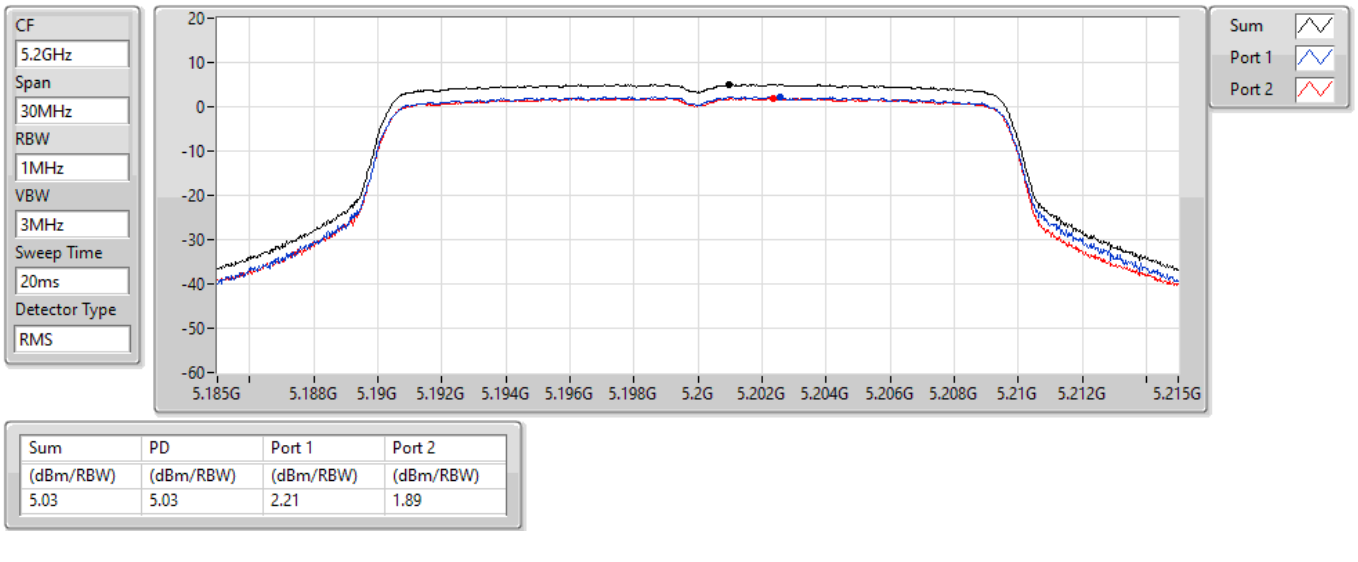
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.04	5.04	2.18	1.97

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

5200MHz

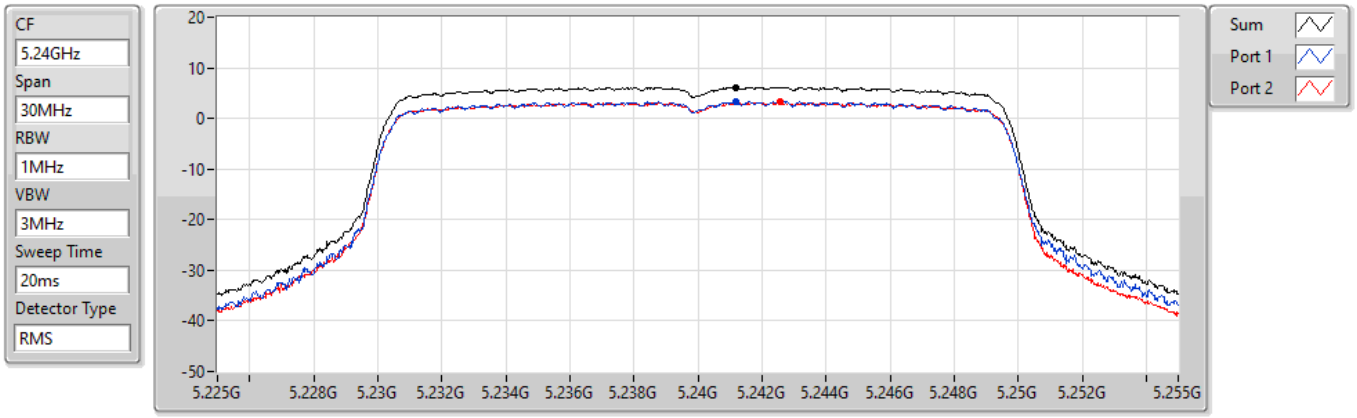


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.03	5.03	2.21	1.89

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

5240MHz

11/05/2022

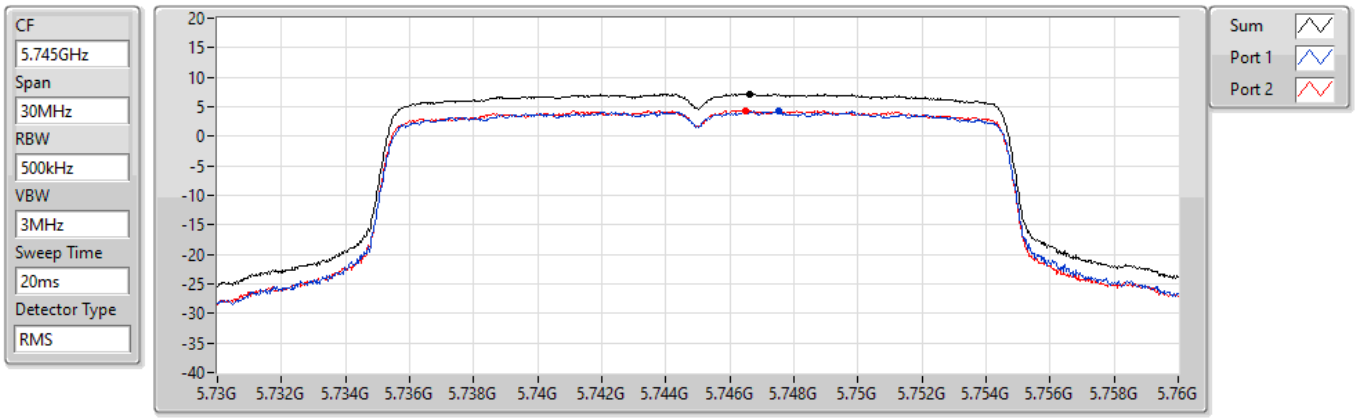


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.19	6.19	3.37	3.20

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

5745MHz

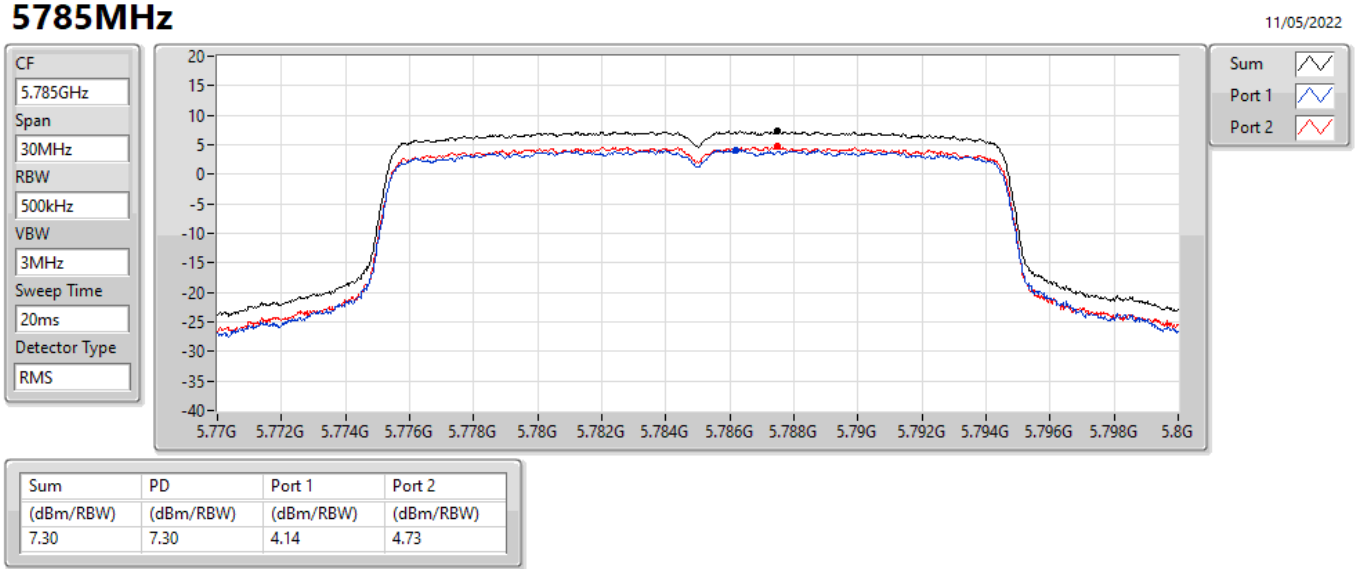
11/05/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.16	7.16	4.31	4.41

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

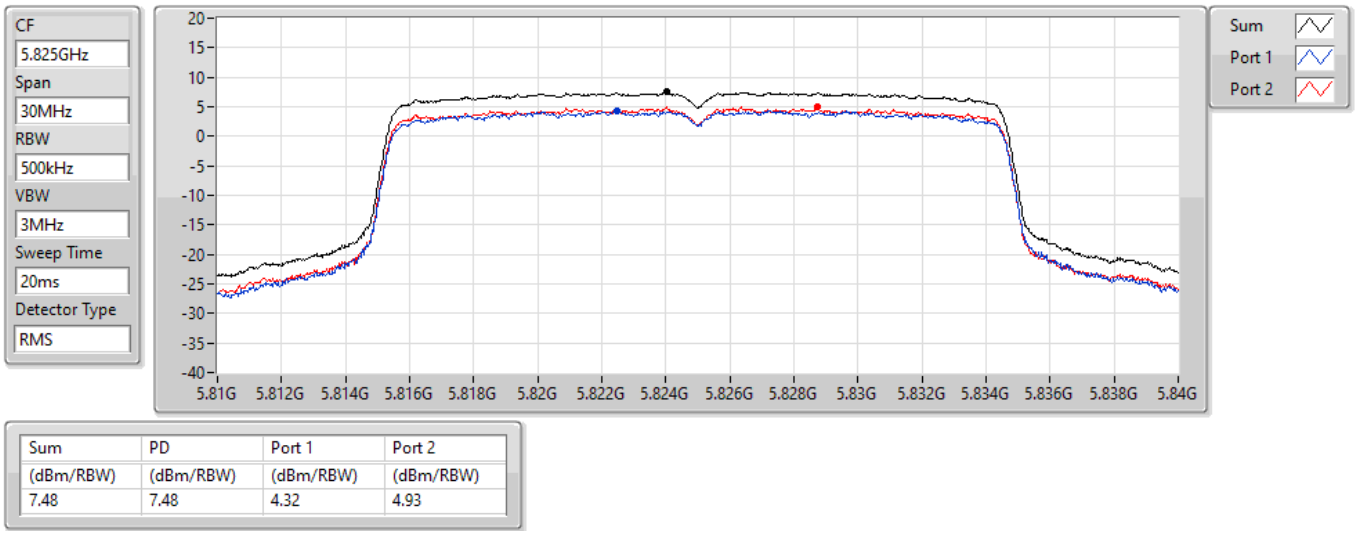
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.30	7.30	4.14	4.73

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

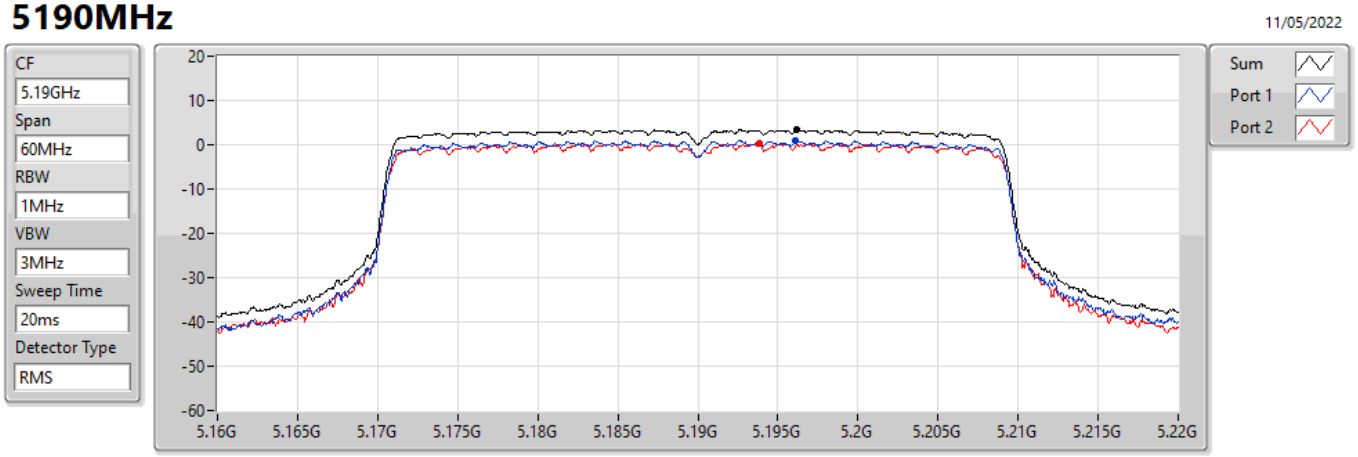
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.48	7.48	4.32	4.93

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

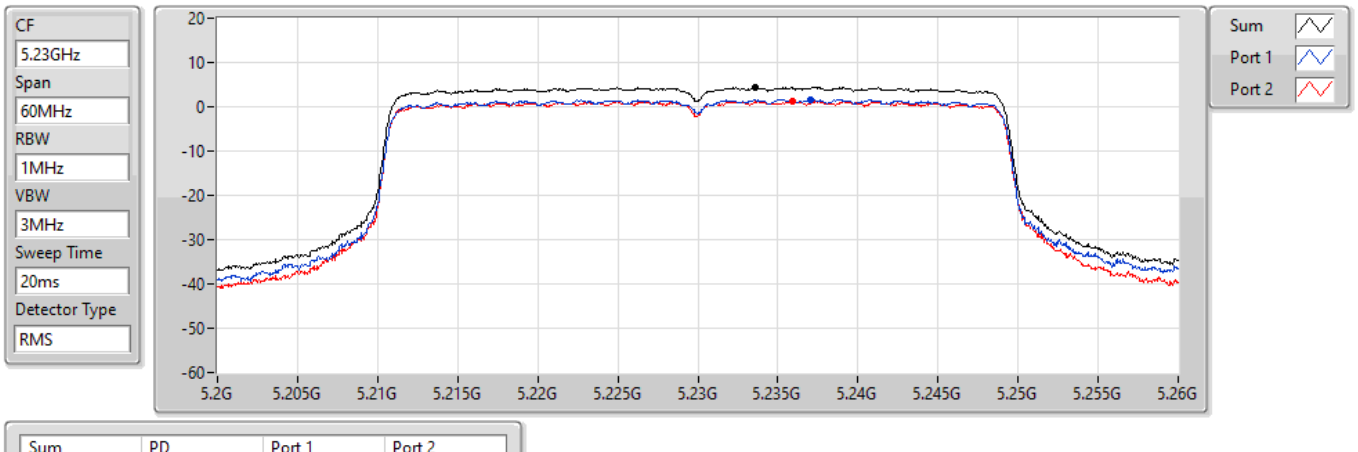
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.47	3.47	0.99	0.17

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

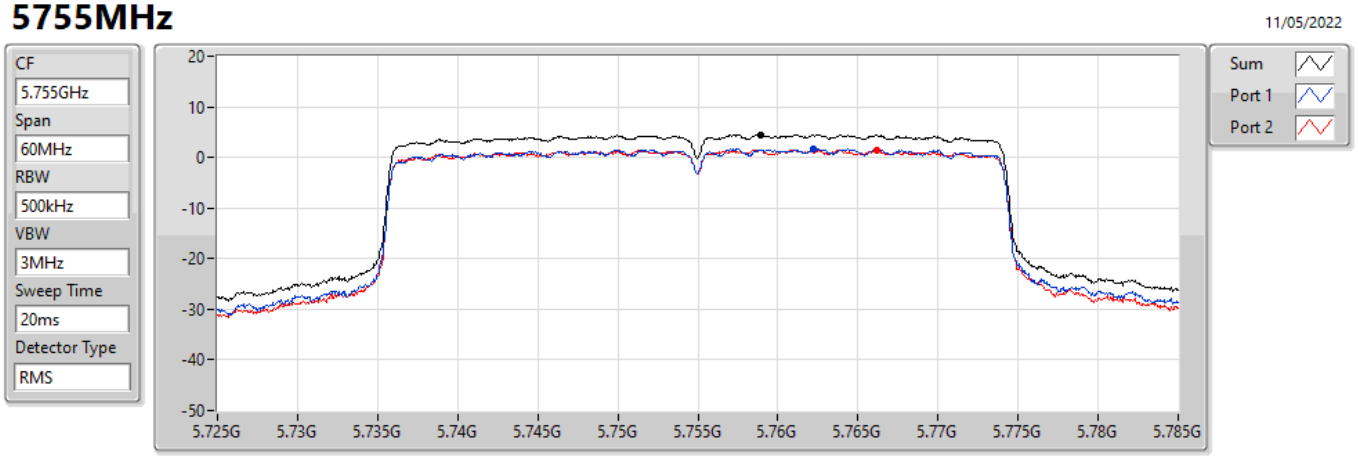
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.34	4.34	1.64	1.26

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

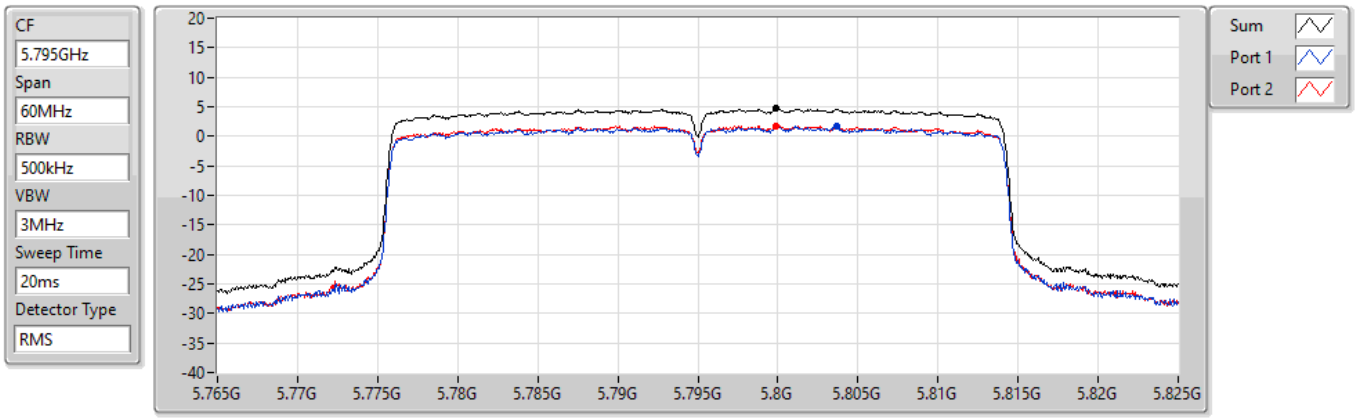
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.47	4.47	1.69	1.46

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

5795MHz



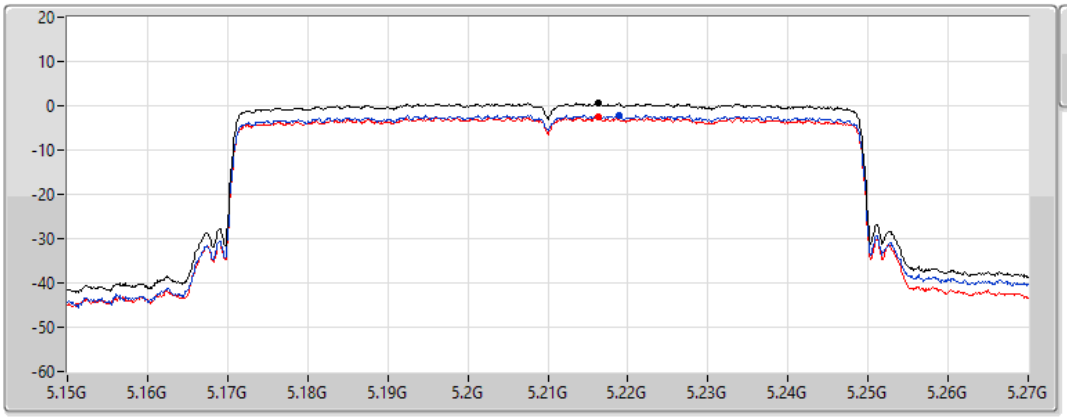
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.66	4.66	1.73	1.79

802.11ax HEW80_Nss1,(MCS0)_2TX PSD

5210MHz

11/05/2022

CF	5.21GHz
Span	120MHz
RBW	1MHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS



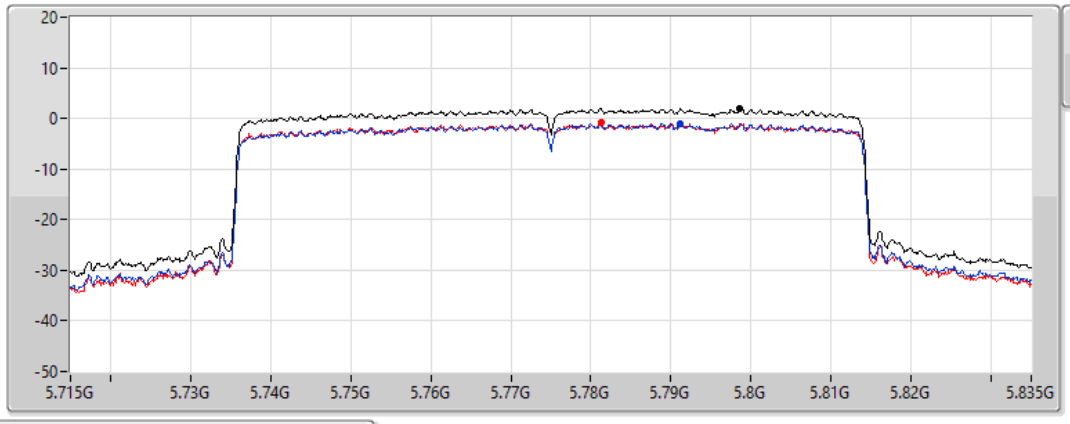
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.53	0.53	-2.04	-2.49

802.11ax HEW80_Nss1,(MCS0)_2TX PSD

5775MHz

11/05/2022

CF	5.775GHz
Span	120MHz
RBW	500kHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS



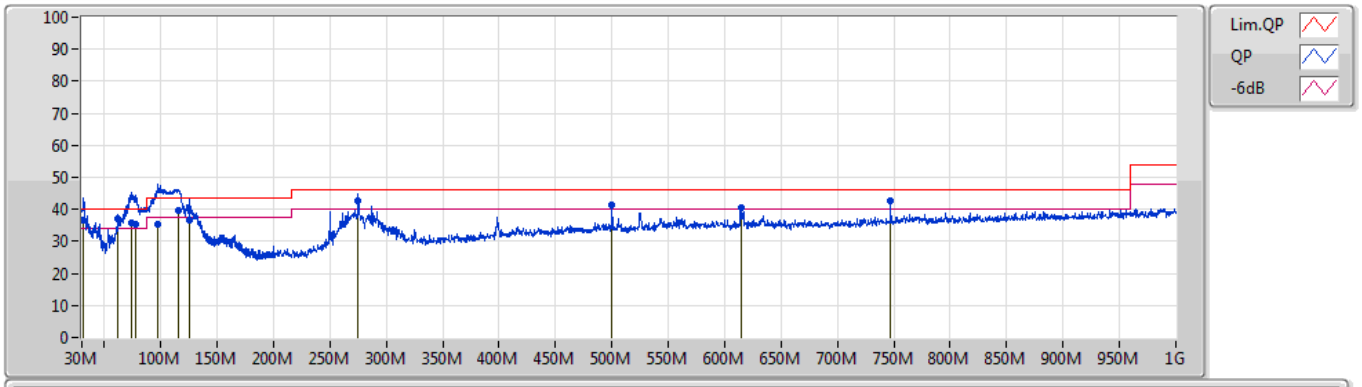
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.88	1.88	-1.03	-0.88

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	QP	62.3M	36.96	40.00	-3.04	Vertical

Mode 2

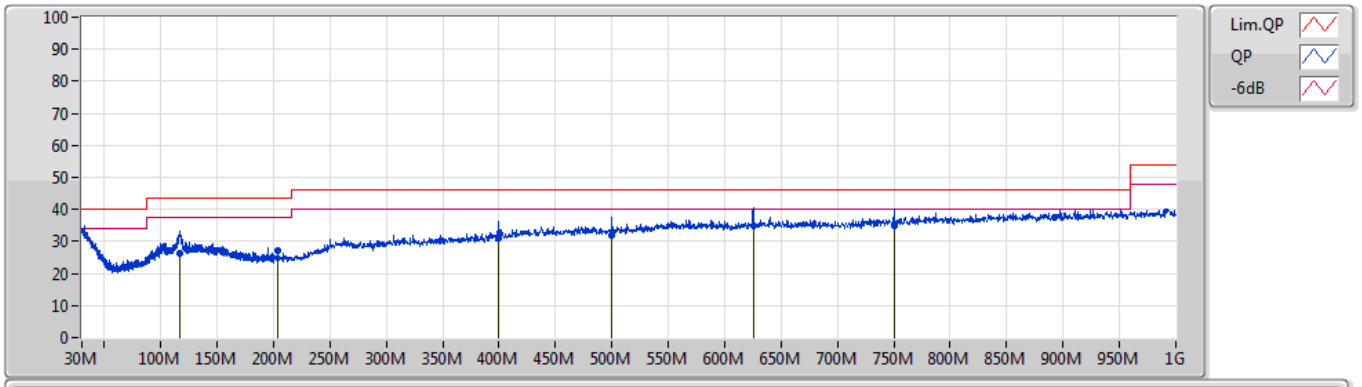
02/05/2022



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
QP	31.62M	36.70	40.00	-3.30	-3.60	3	Vertical	342	1.00	-	40.30	23.60	0.69	27.89
QP	62.3M	36.96	40.00	-3.04	-14.85	3	Vertical	342	1.00	"Worst"	51.81	12.01	0.97	27.83
QP	73.86M	35.59	40.00	-4.41	-14.07	3	Vertical	230	1.00	-	49.66	12.65	1.06	27.78
QP	77.69M	35.43	40.00	-4.57	-13.72	3	Vertical	266	1.00	-	49.15	13.02	1.09	27.83
QP	96.98M	35.45	43.50	-8.05	-10.94	3	Vertical	108	2.00	-	46.39	15.66	1.22	27.82
PK	115.94M	39.51	43.50	-3.99	-9.02	3	Vertical	42	1.00	-	48.53	17.31	1.34	27.67
PK	125.03M	36.83	43.50	-6.67	-8.57	3	Vertical	293	3.00	-	45.40	17.64	1.40	27.61
QP	275.2M	42.50	46.00	-3.50	-5.60	3	Vertical	42	1.00	-	48.10	18.62	2.13	26.35
PK	500M	41.36	46.00	-4.64	-1.70	3	Vertical	2	1.00	-	43.06	23.26	2.94	27.90
PK	614.4M	40.60	46.00	-5.40	-0.02	3	Vertical	355	1.00	-	40.62	24.49	3.29	27.80
PK	746.8M	42.86	46.00	-3.14	1.49	3	Vertical	29	1.00	-	41.37	25.41	3.67	27.59

Mode 2

02/05/2022



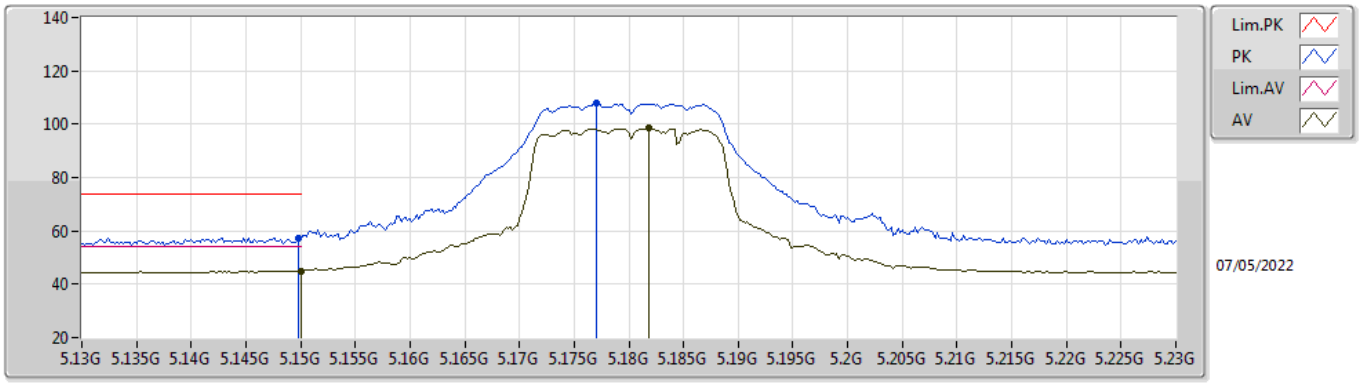
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	116.7M	26.41	43.50	-17.09	-15.75	3	Horizontal	121	1.00	-	42.16	10.57	1.35	27.67
PK	203.6M	27.34	43.50	-16.16	-8.81	3	Horizontal	77	1.00	-	36.15	15.94	1.81	26.56
PK	400M	31.02	46.00	-14.98	-8.49	3	Horizontal	353	1.00	-	39.51	16.23	2.62	27.34
PK	500M	31.69	46.00	-14.31	-7.44	3	Horizontal	147	1.00	-	39.13	17.52	2.94	27.90
PK	625.2M	35.02	46.00	-10.98	-5.39	3	Horizontal	360	1.00	"Worst"	40.41	19.05	3.34	27.78
PK	750M	34.90	46.00	-11.10	-3.52	3	Horizontal	200	1.00	-	38.42	20.39	3.68	27.59

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)_2TX	Pass	AV	15.5975G	53.99	54.00	-0.01	3	Vertical	169	1.72	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

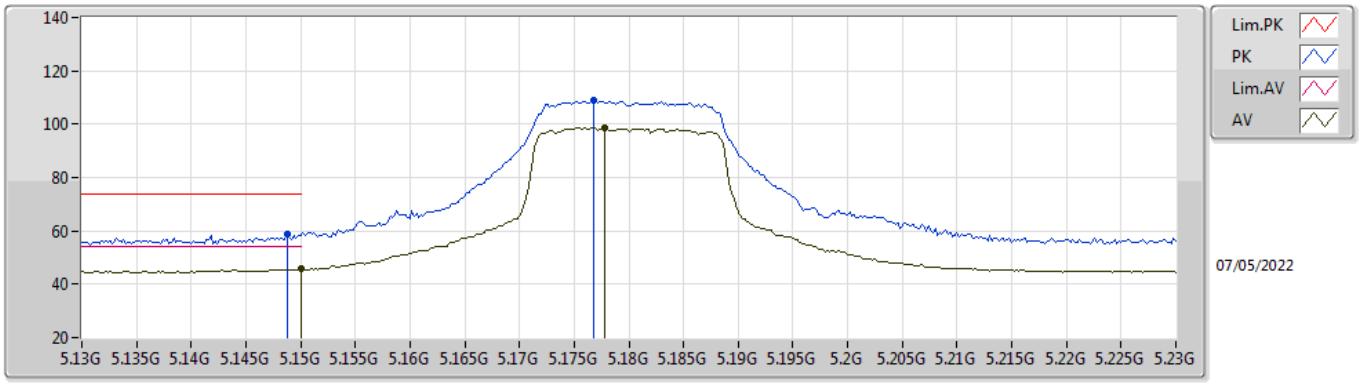


EUT X_2TX
Setting 15.25
02-B-K-5-10

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	5.1498G	57.45	74.00	-16.55	50.75	3	Vertical	213	2.68	-	33.60	5.25	32.15
AV	5.15G	45.08	54.00	-8.92	38.38	3	Vertical	213	2.68	-	33.60	5.25	32.15
PK	5.177G	108.09	Inf	-Inf	101.31	3	Vertical	213	2.68	-	33.65	5.28	32.15
AV	5.1818G	98.70	Inf	-Inf	91.91	3	Vertical	213	2.68	-	33.66	5.28	32.15

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

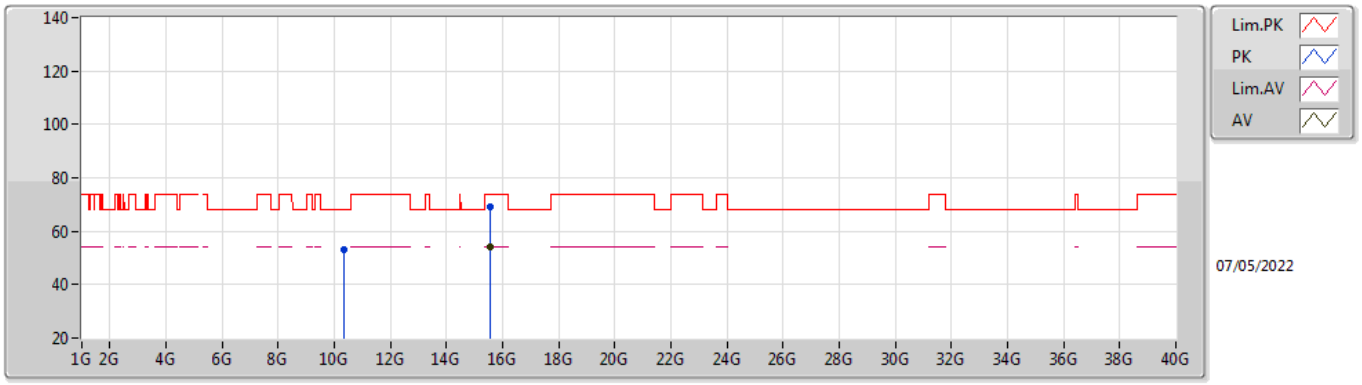


EUT X_2TX
Setting 15.25
02-B-K-5-10

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	5.1488G	58.55	74.00	-15.45	51.85	3	Horizontal	251	1.37	-	33.60	5.25	32.15
AV	5.15G	45.82	54.00	-8.18	39.12	3	Horizontal	251	1.37	-	33.60	5.25	32.15
PK	5.1768G	109.00	Inf	-Inf	102.22	3	Horizontal	251	1.37	-	33.65	5.28	32.15
AV	5.1778G	98.82	Inf	-Inf	92.03	3	Horizontal	251	1.37	-	33.66	5.28	32.15

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

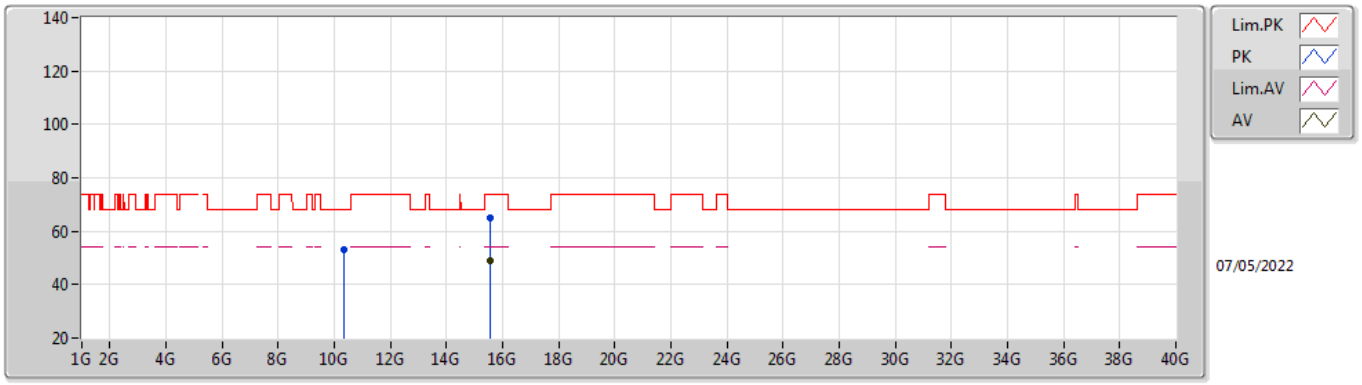


EUT Y_2TX
Setting 15.25
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.3615G	53.33	68.20	-14.87	40.21	3	Vertical	221	1.80	-	38.64	7.44	32.96
PK	15.5397G	69.35	74.00	-4.65	54.90	3	Vertical	171	1.79	-	37.86	9.79	33.20
AV	15.5415G	53.94	54.00	-0.06	39.50	3	Vertical	171	1.79	-	37.85	9.79	33.20

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

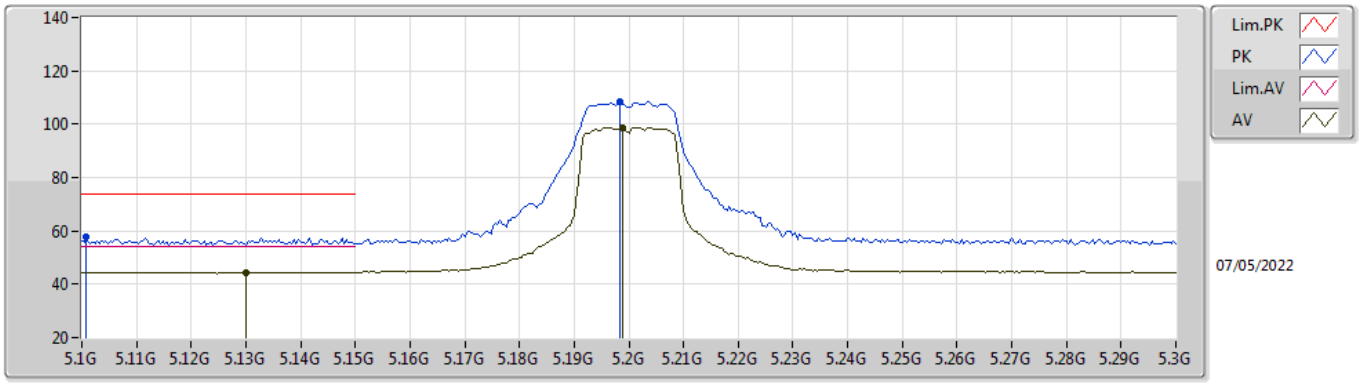


EUT Y_2TX
Setting 15.25
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.3677G	53.27	68.20	-14.93	40.15	3	Horizontal	252	1.80	-	38.63	7.45	32.96
PK	15.5398G	65.09	74.00	-8.91	50.64	3	Horizontal	169	1.71	-	37.86	9.79	33.20
AV	15.5399G	49.04	54.00	-4.96	34.59	3	Horizontal	169	1.71	-	37.86	9.79	33.20

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

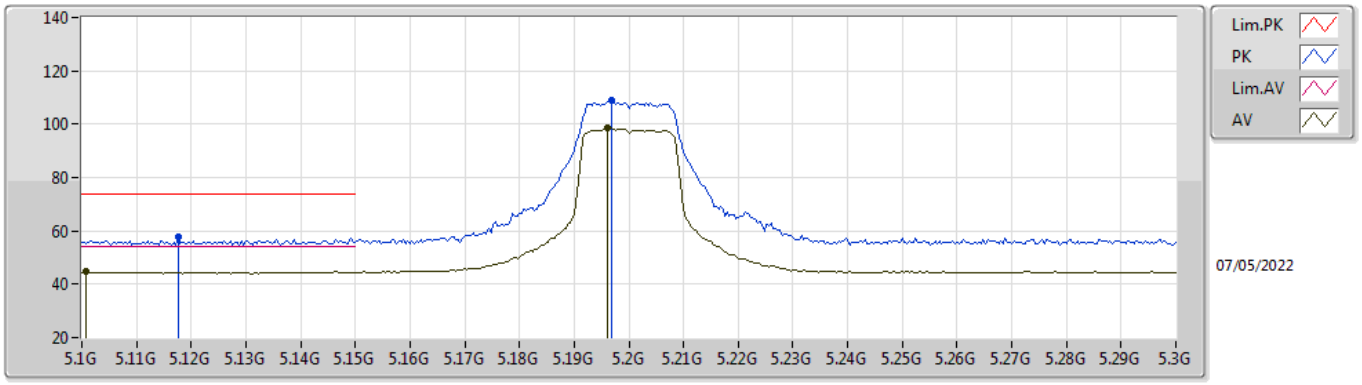


EUT X_2TX
Setting 15.75
02-B-K-5-10

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	5.1008G	57.54	74.00	-16.46	50.99	3	Vertical	246	1.05	-	33.50	5.20	32.15
AV	5.13G	44.53	54.00	-9.47	37.89	3	Vertical	246	1.05	-	33.56	5.23	32.15
PK	5.1984G	108.66	Inf	-Inf	101.81	3	Vertical	246	1.05	-	33.70	5.30	32.15
AV	5.1988G	98.82	Inf	-Inf	91.97	3	Vertical	246	1.05	-	33.70	5.30	32.15

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

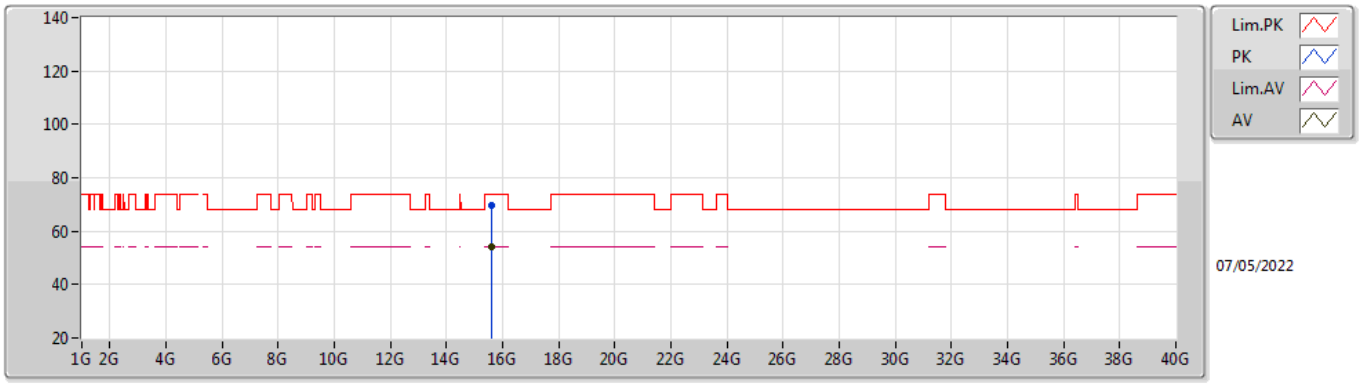


EUT X_2TX
Setting 15.75
02-B-K-5-10

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	5.1176G	57.91	74.00	-16.09	51.30	3	Horizontal	247	2.58	-	33.54	5.22	32.15
AV	5.1008G	44.61	54.00	-9.39	38.06	3	Horizontal	247	2.58	-	33.50	5.20	32.15
PK	5.1968G	109.05	Inf	-Inf	102.21	3	Horizontal	247	2.58	-	33.69	5.30	32.15
AV	5.196G	98.68	Inf	-Inf	91.84	3	Horizontal	247	2.58	-	33.69	5.30	32.15

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

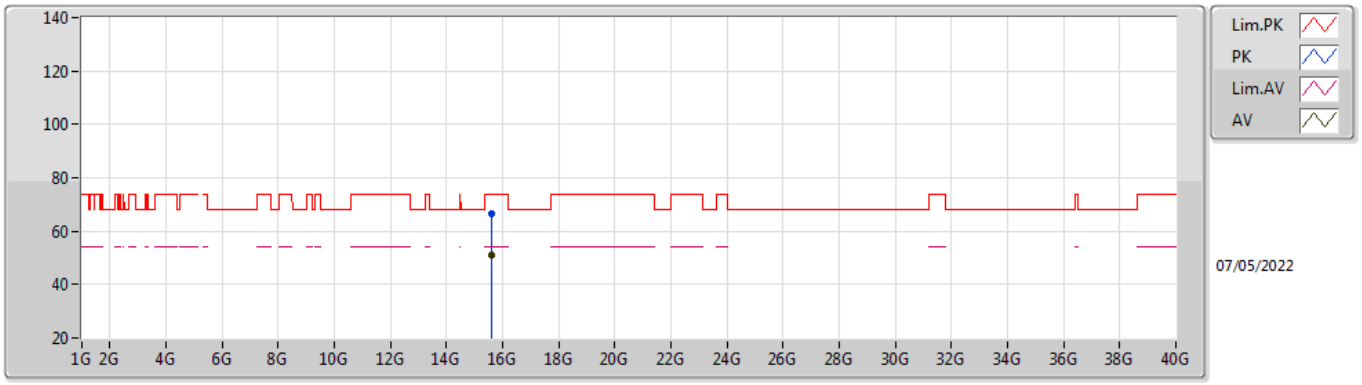


EUT Y_2TX
Setting 15.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5997G	69.77	74.00	-4.23	55.72	3	Vertical	168	1.88	-	37.50	9.82	33.27
AV	15.5999G	53.90	54.00	-0.10	39.85	3	Vertical	168	1.88	-	37.50	9.82	33.27

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

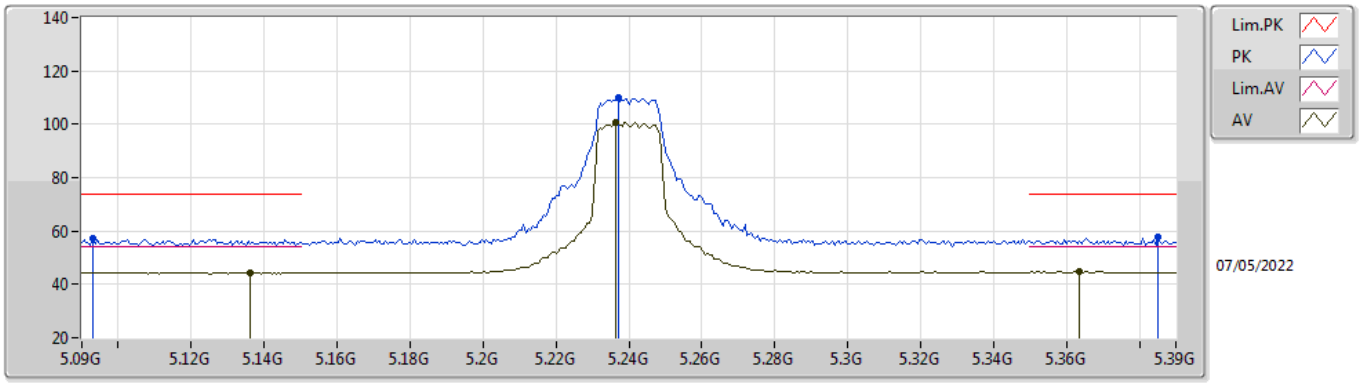


EUT Y_2TX
Setting 15.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5997G	66.56	74.00	-7.44	52.51	3	Horizontal	175	1.68	-	37.50	9.82	33.27
AV	15.6049G	50.91	54.00	-3.09	36.86	3	Horizontal	175	1.68	-	37.50	9.82	33.27

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

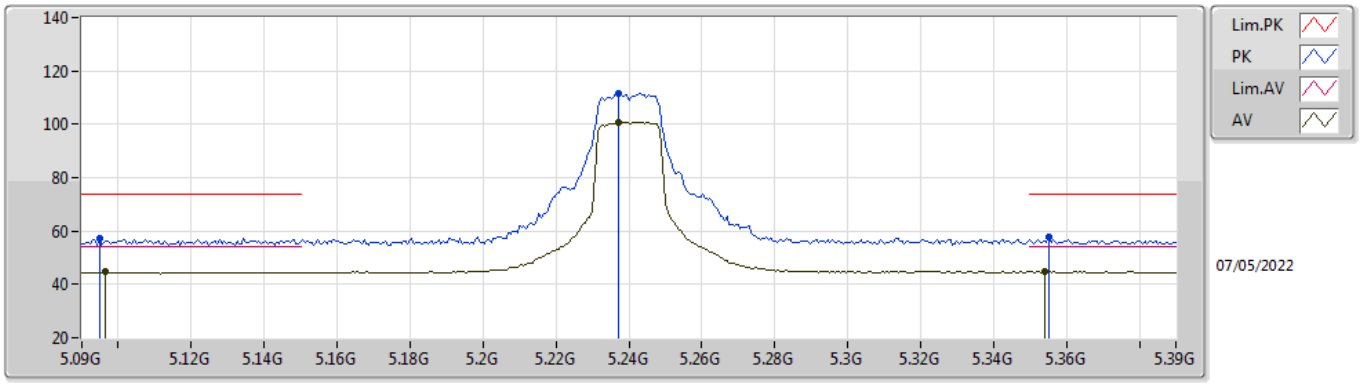


EUT X_2TX
Setting 17
02-B-K-5-10

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	5.093G	57.37	74.00	-16.63	50.83	3	Vertical	212	2.63	-	33.50	5.19	32.15
AV	5.1362G	44.51	54.00	-9.49	37.85	3	Vertical	212	2.63	-	33.57	5.24	32.15
PK	5.237G	110.13	Inf	-Inf	103.26	3	Vertical	212	2.63	-	33.70	5.32	32.15
AV	5.2364G	100.47	Inf	-Inf	93.60	3	Vertical	212	2.63	-	33.70	5.32	32.15
PK	5.3852G	57.76	74.00	-16.24	50.54	3	Vertical	212	2.63	-	33.97	5.39	32.14
AV	5.3636G	44.66	54.00	-9.34	37.49	3	Vertical	212	2.63	-	33.93	5.38	32.14

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

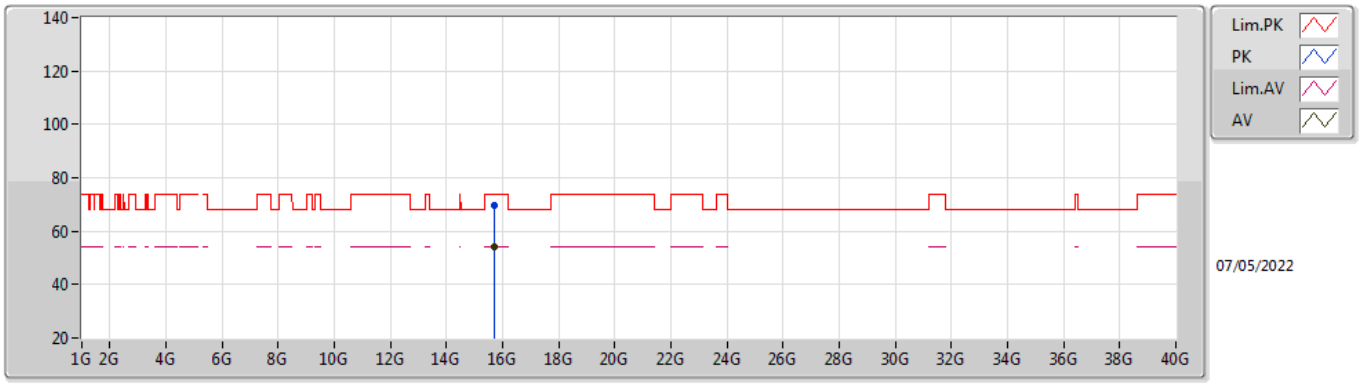


EUT X_2TX
Setting 17
02-B-K-5-10

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	5.0948G	57.05	74.00	-16.95	50.51	3	Horizontal	254	1.40	-	33.50	5.19	32.15
AV	5.0966G	44.70	54.00	-9.30	38.15	3	Horizontal	254	1.40	-	33.50	5.20	32.15
PK	5.237G	111.49	Inf	-Inf	104.62	3	Horizontal	254	1.40	-	33.70	5.32	32.15
AV	5.237G	100.92	Inf	-Inf	94.05	3	Horizontal	254	1.40	-	33.70	5.32	32.15
PK	5.3552G	57.83	74.00	-16.17	50.68	3	Horizontal	254	1.40	-	33.91	5.38	32.14
AV	5.354G	44.78	54.00	-9.22	37.63	3	Horizontal	254	1.40	-	33.91	5.38	32.14

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

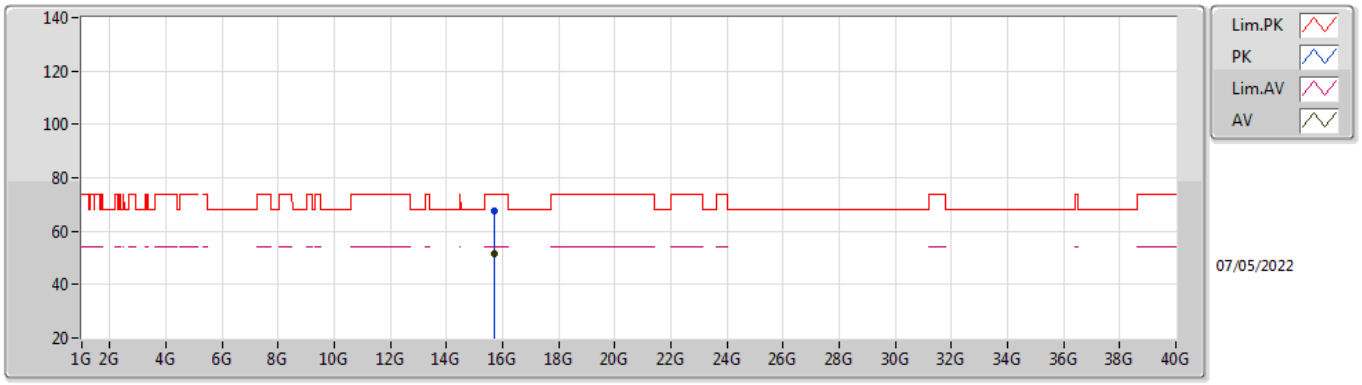


EUT Y_2TX
Setting 17
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.7197G	69.90	74.00	-4.10	55.94	3	Vertical	170	1.80	-	37.50	9.87	33.41
AV	15.7176G	53.90	54.00	-0.10	39.94	3	Vertical	170	1.80	-	37.50	9.87	33.41

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

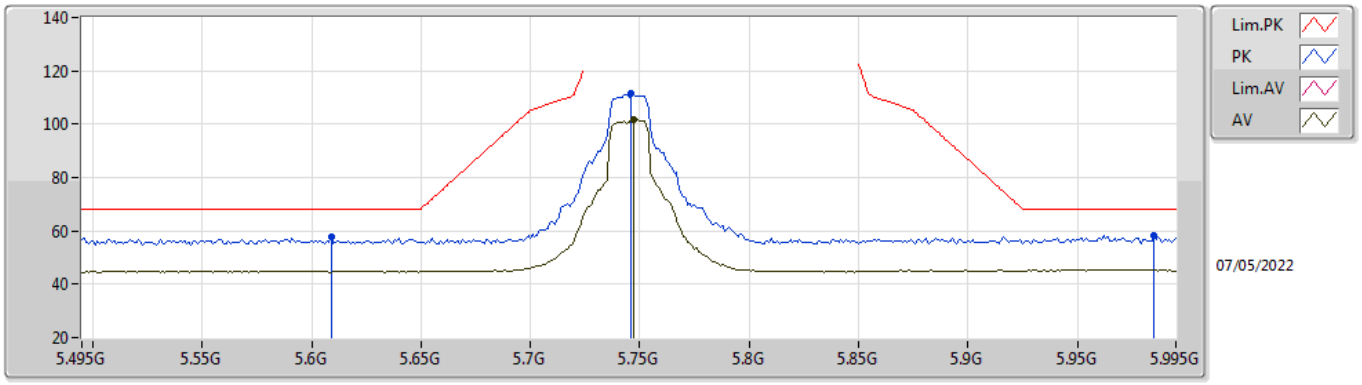


EUT Y_2TX
Setting 17
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.7197G	67.51	74.00	-6.49	53.55	3	Horizontal	175	1.71	-	37.50	9.87	33.41
AV	15.7215G	51.57	54.00	-2.43	37.61	3	Horizontal	175	1.71	-	37.50	9.87	33.41

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

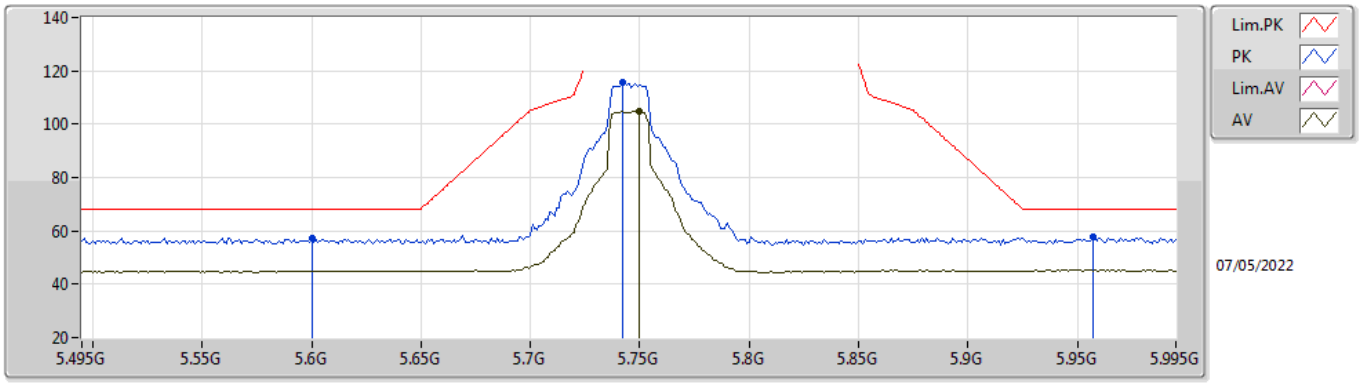


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	5.609G	57.51	68.20	-10.69	50.17	3	Vertical	34	1.02	-	33.88	5.60	32.14
PK	5.746G	111.48	Inf	-Inf	104.21	3	Vertical	34	1.02	-	33.81	5.60	32.14
AV	5.747G	101.94	Inf	-Inf	94.67	3	Vertical	34	1.02	-	33.81	5.60	32.14
PK	5.985G	58.33	68.20	-9.87	50.50	3	Vertical	34	1.02	-	34.20	5.79	32.16

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

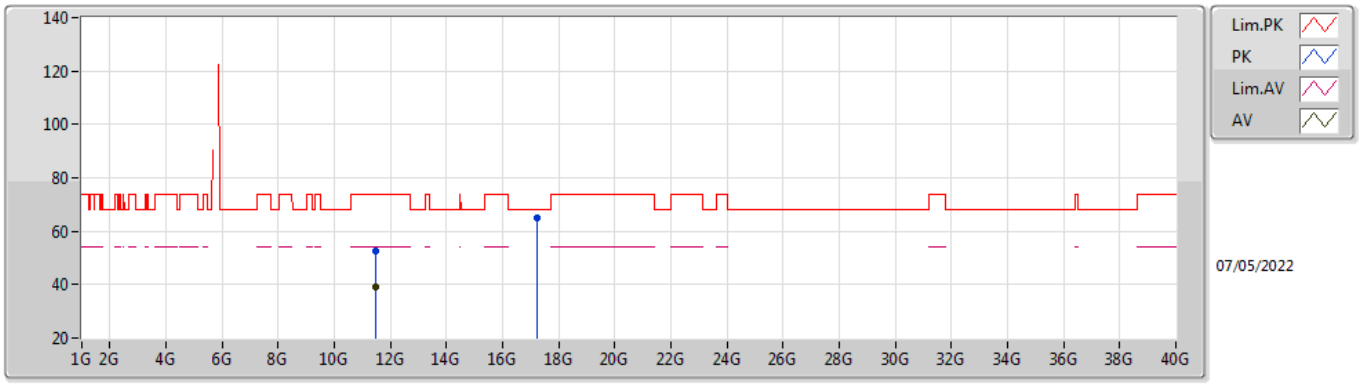


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	5.6G	57.45	68.20	-10.75	50.09	3	Horizontal	254	2.92	-	33.90	5.60	32.14
PK	5.742G	115.85	Inf	-Inf	108.57	3	Horizontal	254	2.92	-	33.82	5.60	32.14
AV	5.75G	104.99	Inf	-Inf	97.73	3	Horizontal	254	2.92	-	33.80	5.60	32.14
PK	5.957G	57.60	68.20	-10.60	49.80	3	Horizontal	254	2.92	-	34.20	5.76	32.16

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

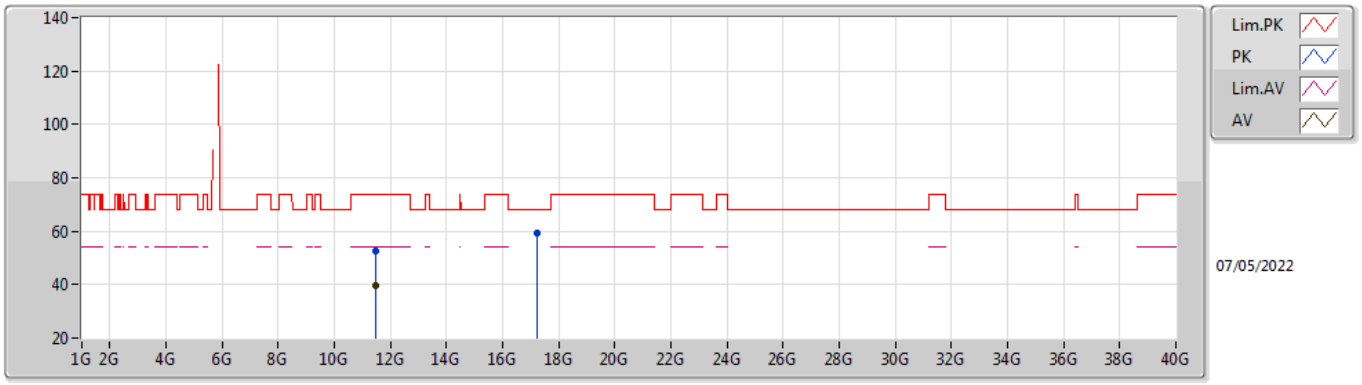


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4996G	52.55	74.00	-21.45	38.87	3	Vertical	46	2.41	-	39.00	7.90	33.22
AV	11.489G	39.27	54.00	-14.73	25.61	3	Vertical	46	2.41	-	38.98	7.90	33.22
PK	17.2349G	65.10	68.20	-3.10	45.58	3	Vertical	230	1.80	-	42.17	10.62	33.27

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

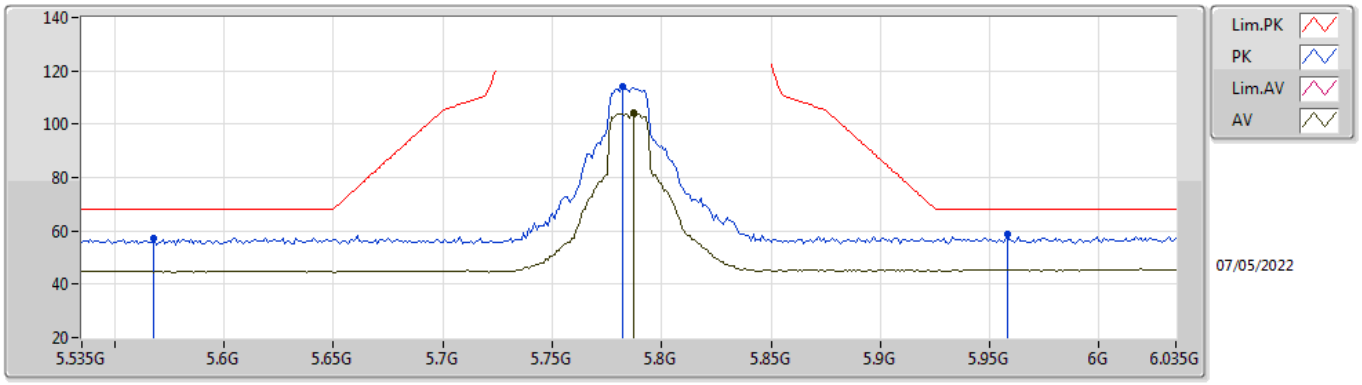


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4917G	52.34	74.00	-21.66	38.68	3	Horizontal	20	1.67	-	38.98	7.90	33.22
AV	11.4924G	39.62	54.00	-14.38	25.96	3	Horizontal	20	1.67	-	38.98	7.90	33.22
PK	17.2185G	59.41	68.20	-8.79	40.00	3	Horizontal	319	1.62	-	42.09	10.61	33.29

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

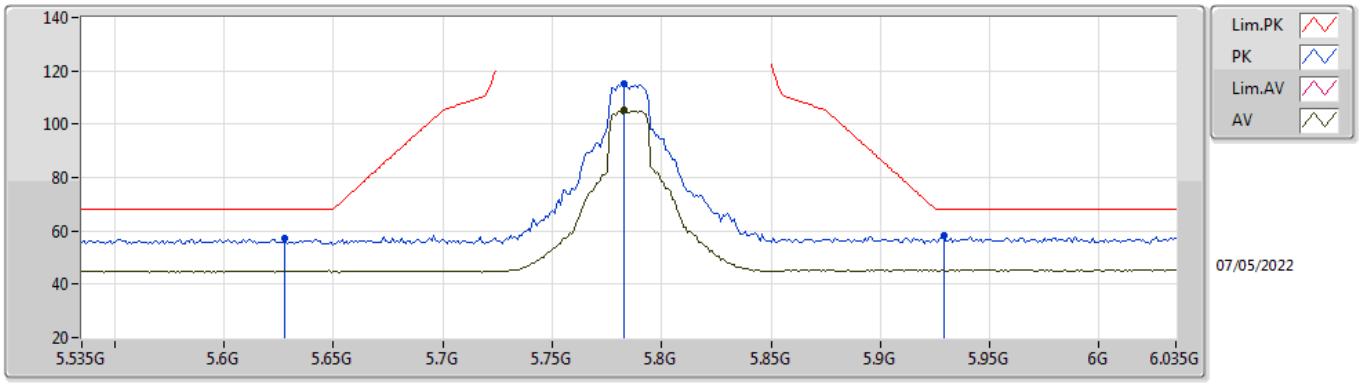


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	5.568G	57.43	68.20	-10.77	50.03	3	Vertical	213	1.00	-	33.96	5.57	32.13
PK	5.782G	113.99	Inf	-Inf	106.74	3	Vertical	213	1.00	-	33.80	5.60	32.15
AV	5.787G	104.22	Inf	-Inf	96.97	3	Vertical	213	1.00	-	33.80	5.60	32.15
PK	5.958G	58.61	68.20	-9.59	50.81	3	Vertical	213	1.00	-	34.20	5.76	32.16

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

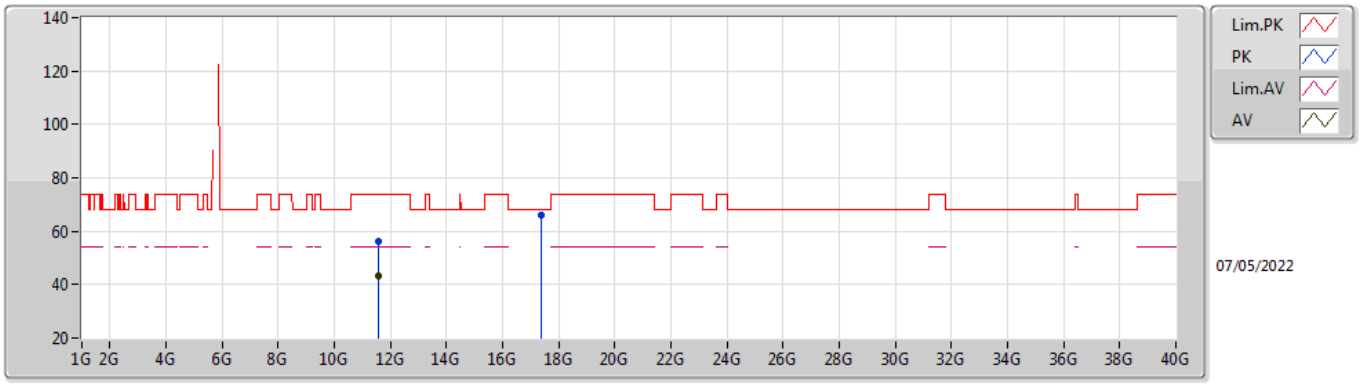


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	5.628G	57.24	68.20	-10.96	49.94	3	Horizontal	115	2.91	-	33.84	5.60	32.14
PK	5.783G	115.04	Inf	-Inf	107.79	3	Horizontal	115	2.91	-	33.80	5.60	32.15
AV	5.783G	105.13	Inf	-Inf	97.88	3	Horizontal	115	2.91	-	33.80	5.60	32.15
PK	5.929G	58.03	68.20	-10.17	50.30	3	Horizontal	115	2.91	-	34.16	5.73	32.16

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

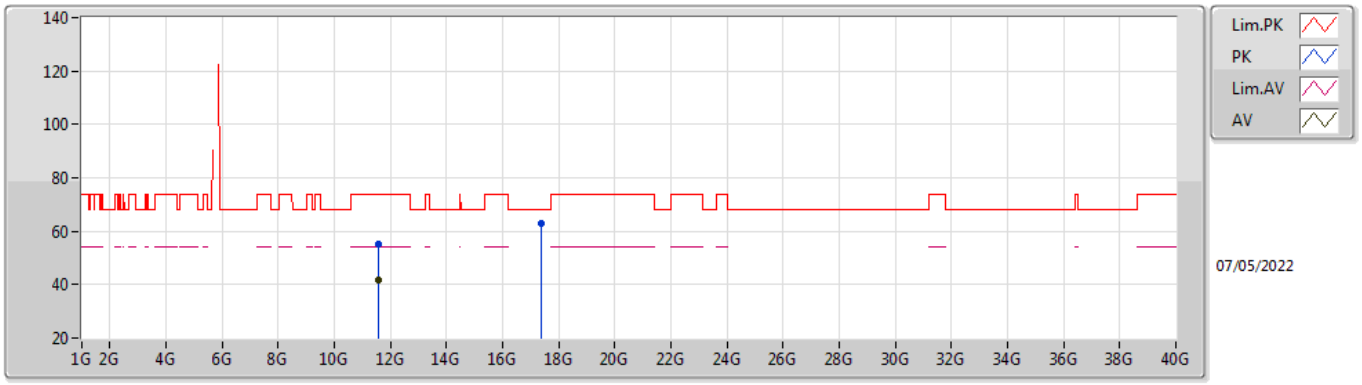


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5723G	56.07	74.00	-17.93	42.16	3	Vertical	191	1.80	-	39.22	7.93	33.24
AV	11.5725G	43.05	54.00	-10.95	29.14	3	Vertical	191	1.80	-	39.22	7.93	33.24
PK	17.3551G	66.05	68.20	-2.15	45.68	3	Vertical	228	1.77	-	42.83	10.68	33.14

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

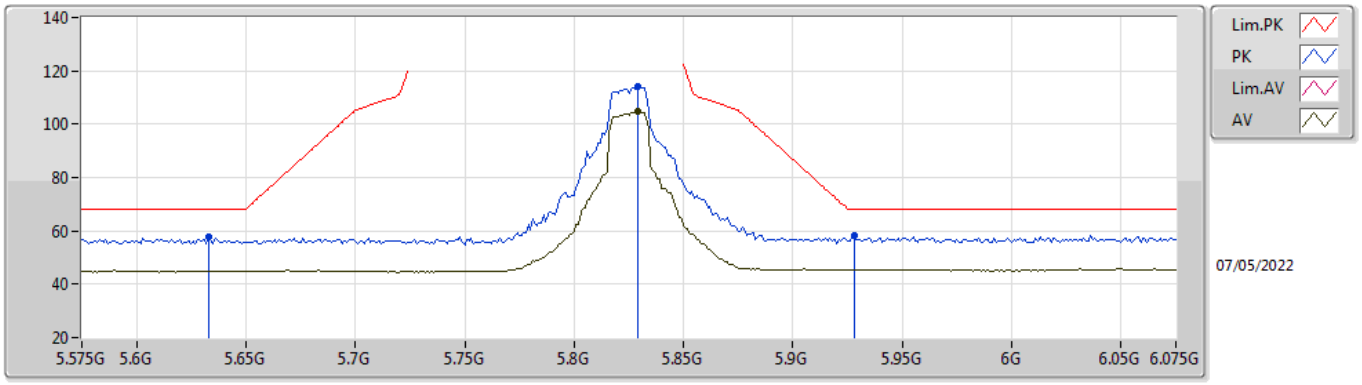


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5747G	54.99	74.00	-19.01	41.08	3	Horizontal	188	1.80	-	39.22	7.93	33.24
AV	11.5695G	41.75	54.00	-12.25	27.85	3	Horizontal	188	1.80	-	39.21	7.93	33.24
PK	17.3552G	63.08	68.20	-5.12	42.71	3	Horizontal	214	1.57	-	42.83	10.68	33.14

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

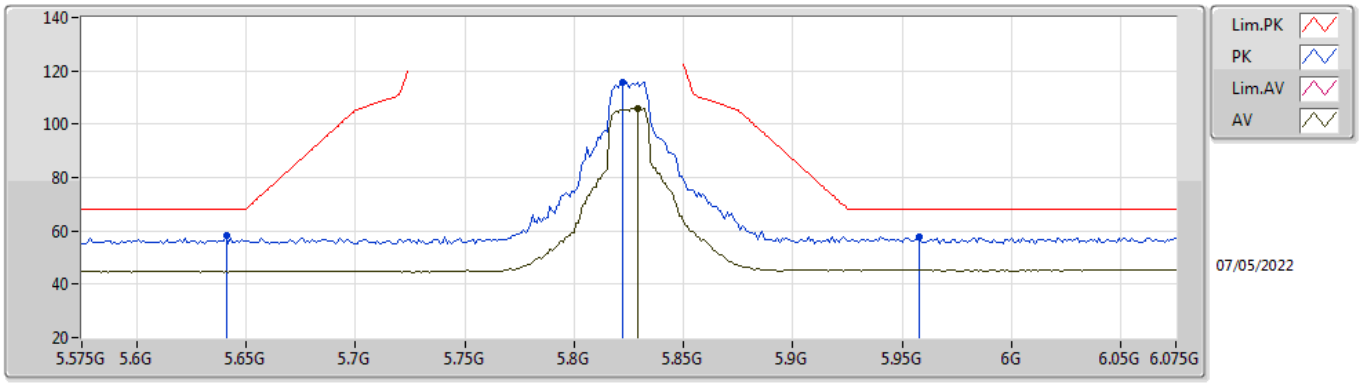


EUT X_2TX
Setting 24
02-B-K-5-10

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	5.633G	57.74	68.20	-10.46	50.45	3	Vertical	242	1.14	-	33.83	5.60	32.14
PK	5.829G	113.94	Inf	-Inf	106.66	3	Vertical	242	1.14	-	33.80	5.63	32.15
AV	5.829G	104.59	Inf	-Inf	97.31	3	Vertical	242	1.14	-	33.80	5.63	32.15
PK	5.928G	58.26	68.20	-9.94	50.53	3	Vertical	242	1.14	-	34.16	5.73	32.16

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

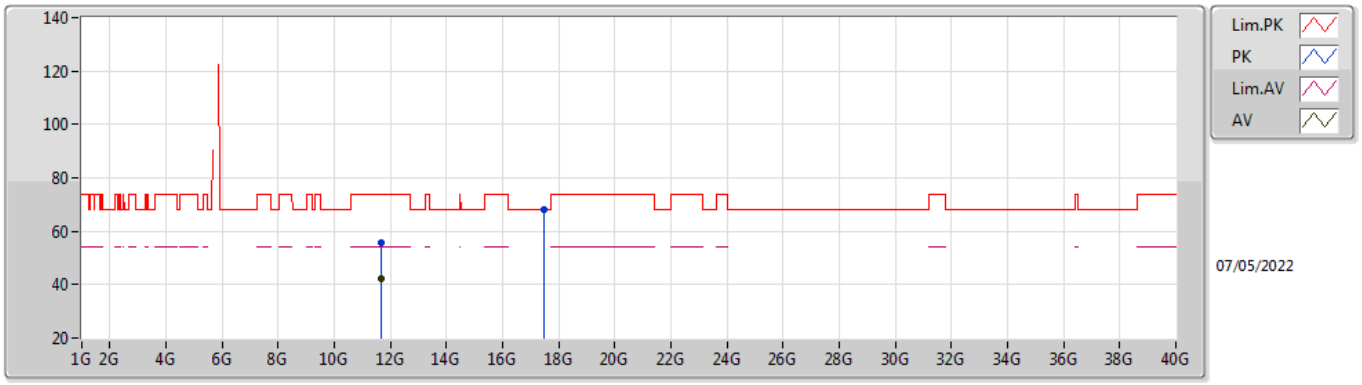


EUT X_2TX
Setting 24
02-B-K-5-10

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	5.641G	58.25	68.20	-9.95	50.97	3	Horizontal	114	2.53	-	33.82	5.60	32.14
PK	5.822G	115.84	Inf	-Inf	108.57	3	Horizontal	114	2.53	-	33.80	5.62	32.15
AV	5.829G	105.96	Inf	-Inf	98.68	3	Horizontal	114	2.53	-	33.80	5.63	32.15
PK	5.958G	57.96	68.20	-10.24	50.16	3	Horizontal	114	2.53	-	34.20	5.76	32.16

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

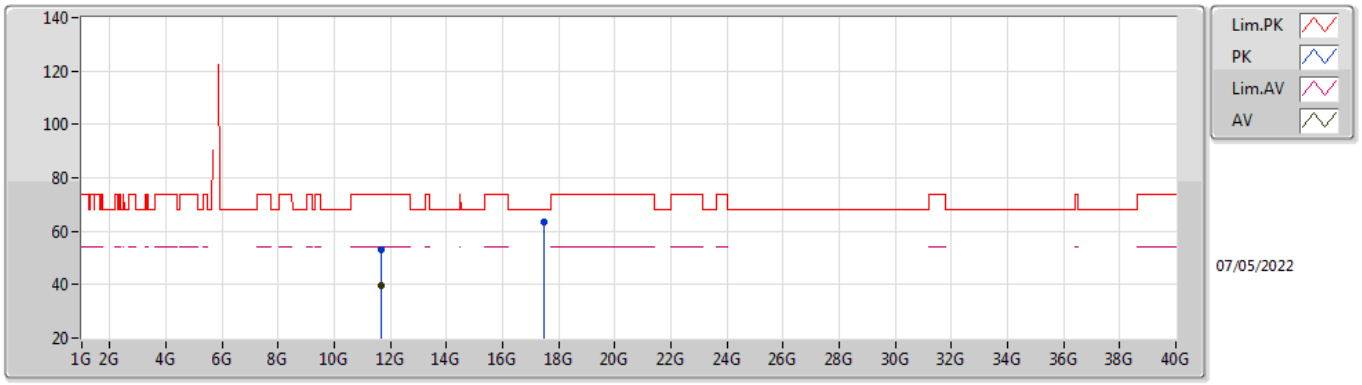


EUT Y_2TX
Setting 24
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6558G	55.44	74.00	-18.56	41.33	3	Vertical	160	1.72	-	39.41	7.96	33.26
AV	11.6511G	42.16	54.00	-11.84	28.06	3	Vertical	160	1.72	-	39.40	7.96	33.26
PK	17.478G	67.97	68.20	-0.23	46.51	3	Vertical	225	1.67	-	43.72	10.74	33.00

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

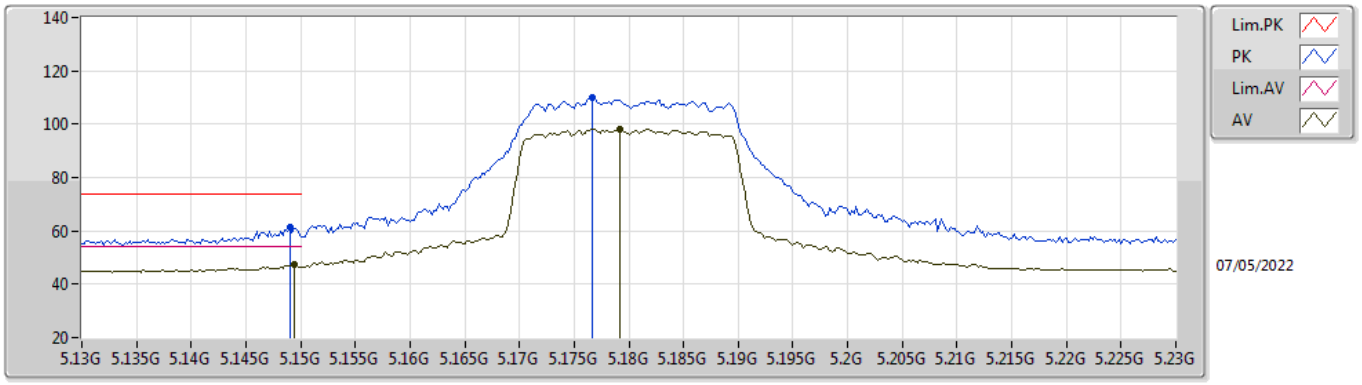


EUT Y_2TX
Setting 24
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6502G	53.24	74.00	-20.76	39.14	3	Horizontal	262	1.80	-	39.40	7.96	33.26
AV	11.6581G	39.76	54.00	-14.24	25.64	3	Horizontal	262	1.80	-	39.42	7.96	33.26
PK	17.4782G	63.54	68.20	-4.66	42.06	3	Horizontal	213	1.62	-	43.73	10.74	32.99

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

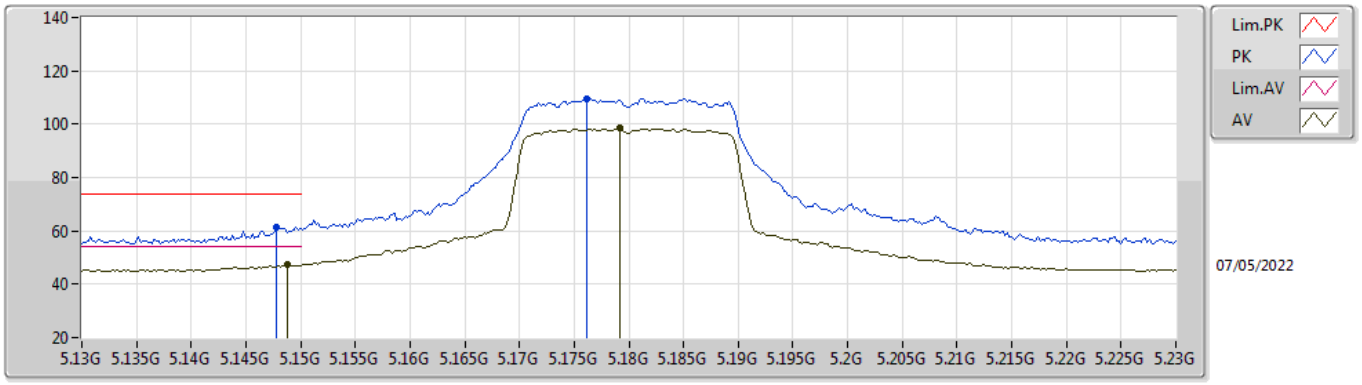


EUT X_2TX
Setting 15.5
02-B-K-5-10

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	5.149G	61.18	74.00	-12.82	54.48	3	Vertical	214	2.29	-	33.60	5.25	32.15
AV	5.1494G	47.42	54.00	-6.58	40.72	3	Vertical	214	2.29	-	33.60	5.25	32.15
PK	5.1766G	110.05	Inf	-Inf	103.27	3	Vertical	214	2.29	-	33.65	5.28	32.15
AV	5.1792G	98.32	Inf	-Inf	91.53	3	Vertical	214	2.29	-	33.66	5.28	32.15

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

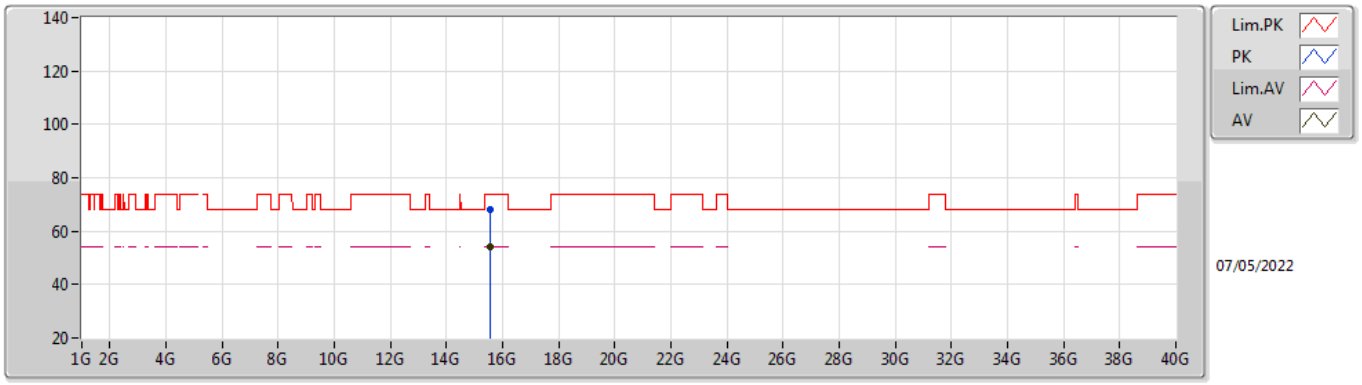


EUT X_2TX
Setting 15.5
02-B-K-5-10

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	5.1478G	61.19	74.00	-12.81	54.49	3	Horizontal	253	1.26	-	33.60	5.25	32.15
AV	5.1488G	47.18	54.00	-6.82	40.48	3	Horizontal	253	1.26	-	33.60	5.25	32.15
PK	5.1762G	109.74	Inf	-Inf	102.96	3	Horizontal	253	1.26	-	33.65	5.28	32.15
AV	5.1792G	98.49	Inf	-Inf	91.70	3	Horizontal	253	1.26	-	33.66	5.28	32.15

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

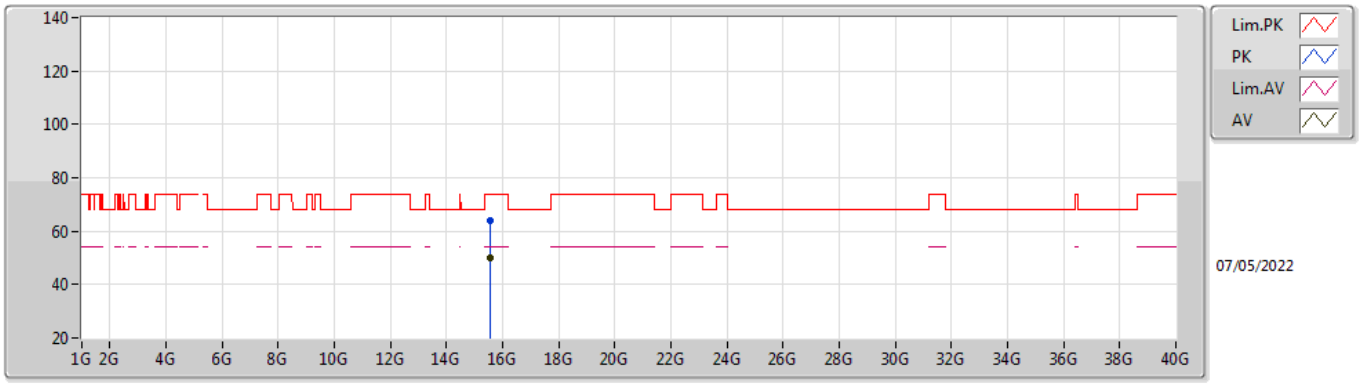


EUT Y_2TX
Setting 15.5
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5413G	68.22	74.00	-5.78	53.78	3	Vertical	168	1.80	-	37.85	9.79	33.20
AV	15.5375G	53.94	54.00	-0.06	39.47	3	Vertical	168	1.80	-	37.87	9.79	33.19

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

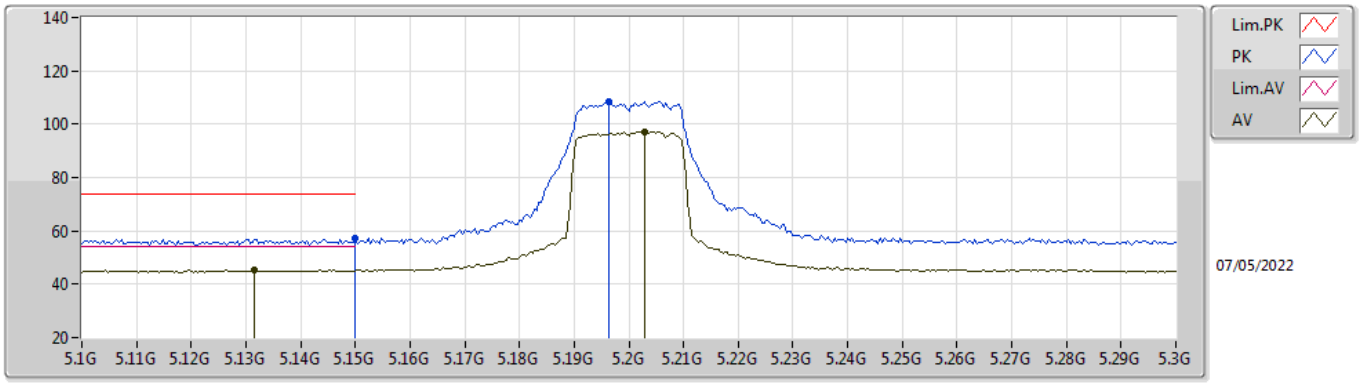


EUT Y_2TX
Setting 15.5
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5412G	64.01	74.00	-9.99	49.57	3	Horizontal	166	1.67	-	37.85	9.79	33.20
AV	15.5376G	49.88	54.00	-4.12	35.41	3	Horizontal	166	1.67	-	37.87	9.79	33.19

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

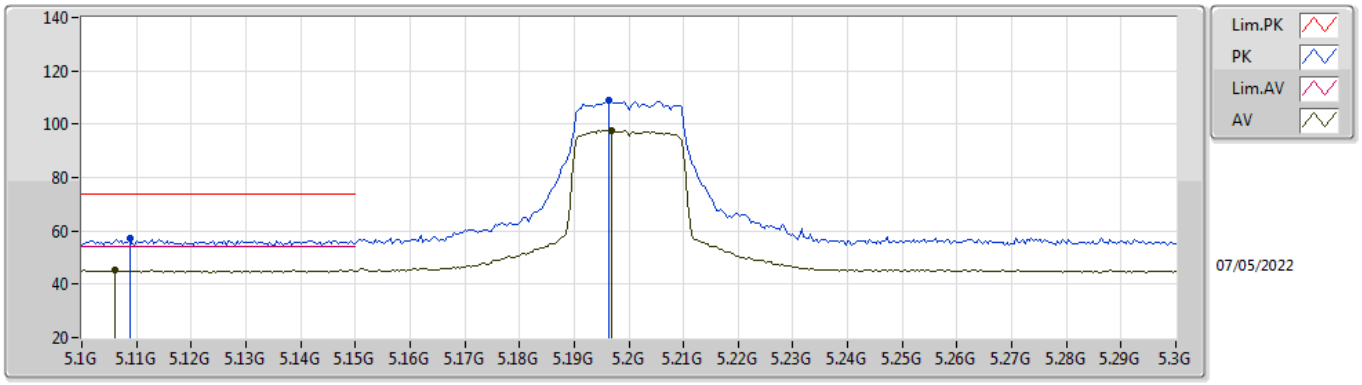


EUT X_2TX
Setting 15.5
02-B-K-5-10

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	57.12	74.00	-16.88	50.42	3	Vertical	245	1.03	-	33.60	5.25	32.15
AV	5.1316G	45.17	54.00	-8.83	38.53	3	Vertical	245	1.03	-	33.56	5.23	32.15
PK	5.1964G	108.50	Inf	-Inf	101.66	3	Vertical	245	1.03	-	33.69	5.30	32.15
AV	5.2028G	97.19	Inf	-Inf	90.34	3	Vertical	245	1.03	-	33.70	5.30	32.15

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

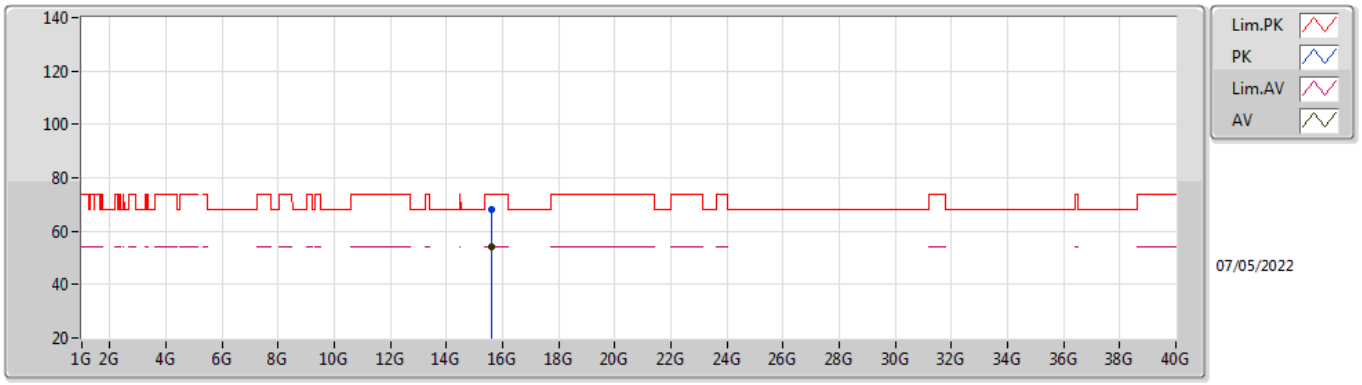


EUT X_2TX
Setting 15.5
02-B-K-5-10

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	5.1088G	57.28	74.00	-16.72	50.70	3	Horizontal	246	1.77	-	33.52	5.21	32.15
AV	5.106G	45.36	54.00	-8.64	38.79	3	Horizontal	246	1.77	-	33.51	5.21	32.15
PK	5.1964G	109.05	Inf	-Inf	102.21	3	Horizontal	246	1.77	-	33.69	5.30	32.15
AV	5.1968G	97.80	Inf	-Inf	90.96	3	Horizontal	246	1.77	-	33.69	5.30	32.15

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

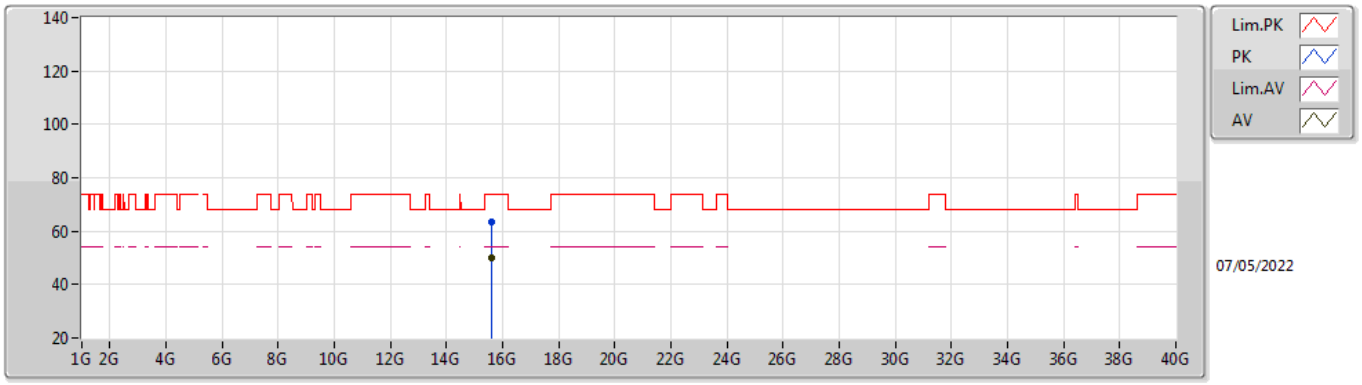


EUT Y_2TX
Setting 15.5
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.6012G	68.22	74.00	-5.78	54.17	3	Vertical	169	1.72	-	37.50	9.82	33.27
AV	15.5975G	53.99	54.00	-0.01	39.92	3	Vertical	169	1.72	-	37.52	9.82	33.27

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

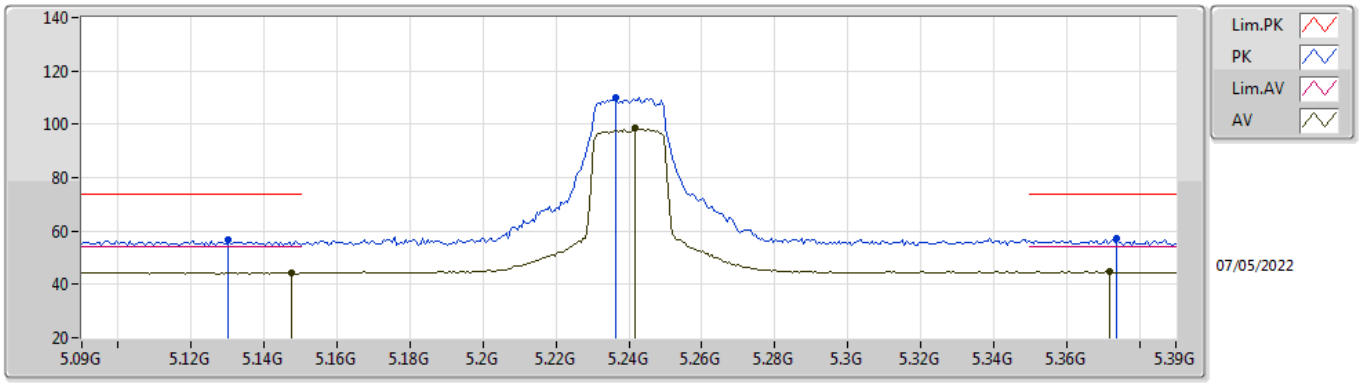


EUT Y_2TX
Setting 15.5
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.6011G	63.65	74.00	-10.35	49.60	3	Horizontal	167	1.69	-	37.50	9.82	33.27
AV	15.5974G	49.78	54.00	-4.22	35.70	3	Horizontal	167	1.69	-	37.52	9.82	33.26

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

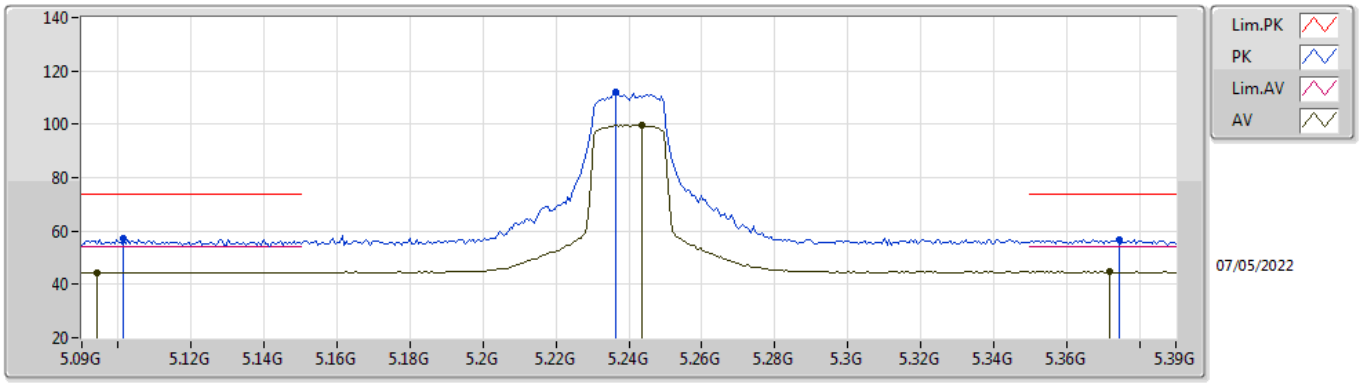


EUT X_2TX
Setting 16.5
02-B-K-5-10

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	5.1302G	56.48	74.00	-17.52	49.84	3	Vertical	212	2.40	-	33.56	5.23	32.15
AV	5.1476G	44.48	54.00	-9.52	37.78	3	Vertical	212	2.40	-	33.60	5.25	32.15
PK	5.2364G	110.24	Inf	-Inf	103.37	3	Vertical	212	2.40	-	33.70	5.32	32.15
AV	5.2418G	98.37	Inf	-Inf	91.50	3	Vertical	212	2.40	-	33.70	5.32	32.15
PK	5.3738G	57.11	74.00	-16.89	49.91	3	Vertical	212	2.40	-	33.95	5.39	32.14
AV	5.372G	44.69	54.00	-9.31	37.50	3	Vertical	212	2.40	-	33.94	5.39	32.14

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

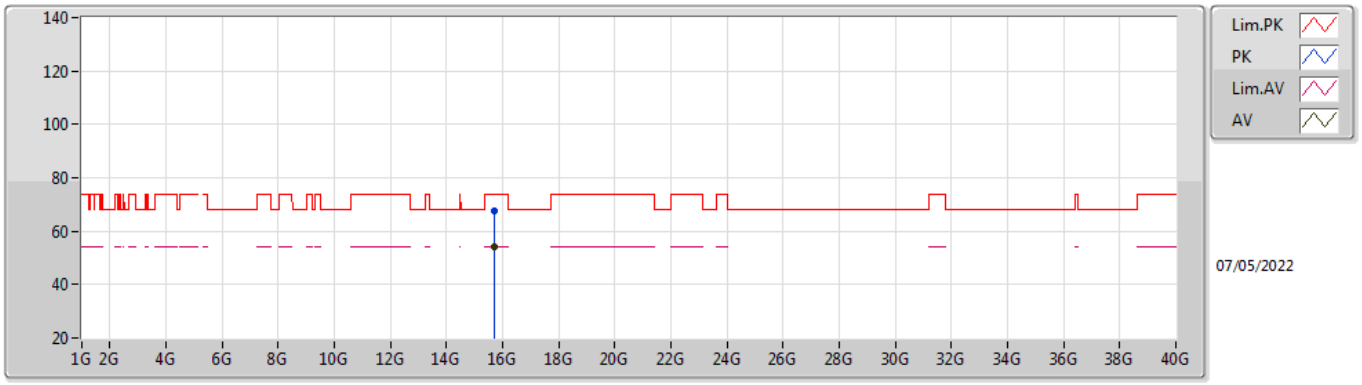


EUT X_2TX
Setting 16.5
02-B-K-5-10

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	5.1014G	57.00	74.00	-17.00	50.45	3	Horizontal	254	1.41	-	33.50	5.20	32.15
AV	5.0942G	44.56	54.00	-9.44	38.02	3	Horizontal	254	1.41	-	33.50	5.19	32.15
PK	5.2364G	111.86	Inf	-Inf	104.99	3	Horizontal	254	1.41	-	33.70	5.32	32.15
AV	5.2436G	99.86	Inf	-Inf	92.99	3	Horizontal	254	1.41	-	33.70	5.32	32.15
PK	5.3744G	56.86	74.00	-17.14	49.66	3	Horizontal	254	1.41	-	33.95	5.39	32.14
AV	5.372G	44.80	54.00	-9.20	37.61	3	Horizontal	254	1.41	-	33.94	5.39	32.14

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

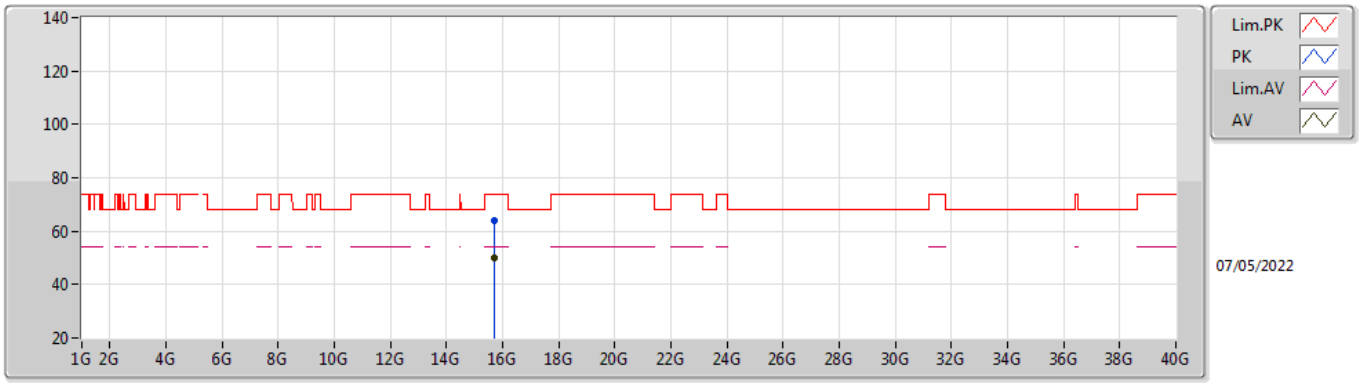


EUT Y_2TX
Setting 16.5
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.7213G	67.78	74.00	-6.22	53.82	3	Vertical	169	1.72	-	37.50	9.87	33.41
AV	15.7211G	53.97	54.00	-0.03	40.01	3	Vertical	169	1.72	-	37.50	9.87	33.41

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

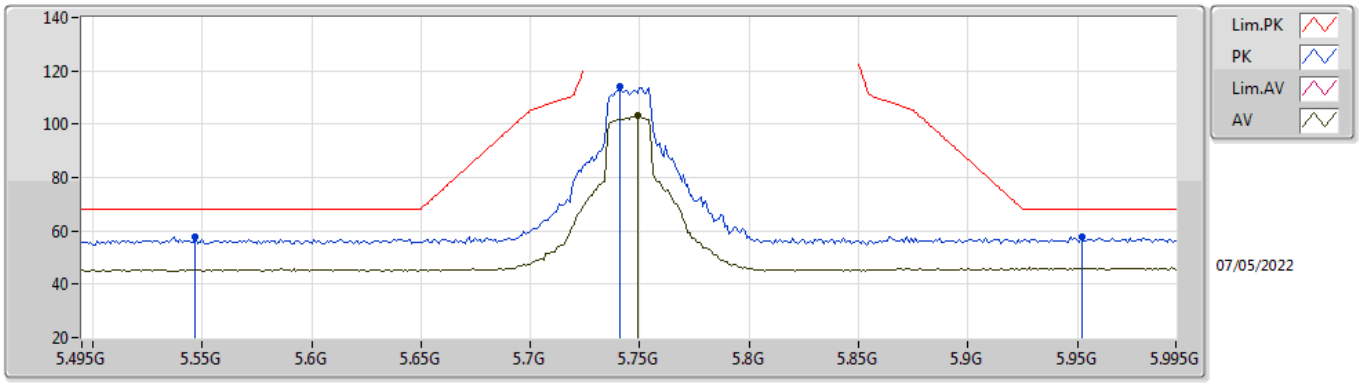


EUT Y_2TX
Setting 16.5
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.7213G	63.98	74.00	-10.02	50.02	3	Horizontal	165	2.06	-	37.50	9.87	33.41
AV	15.7174G	49.76	54.00	-4.24	35.80	3	Horizontal	165	2.06	-	37.50	9.87	33.41

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

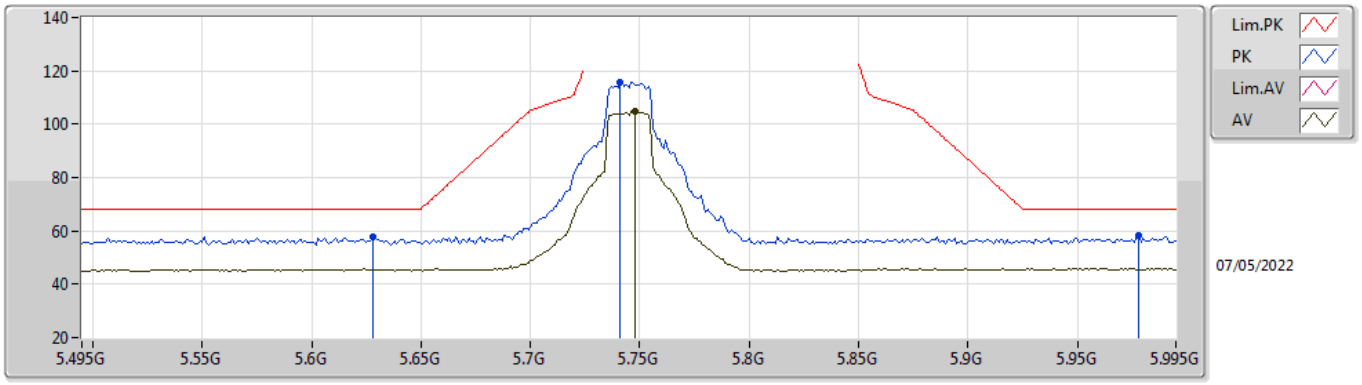


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	5.547G	57.54	68.20	-10.66	50.12	3	Vertical	236	2.18	-	34.00	5.55	32.13
PK	5.741G	113.88	Inf	-Inf	106.60	3	Vertical	236	2.18	-	33.82	5.60	32.14
AV	5.749G	103.03	Inf	-Inf	95.77	3	Vertical	236	2.18	-	33.80	5.60	32.14
PK	5.952G	57.83	68.20	-10.37	50.04	3	Vertical	236	2.18	-	34.20	5.75	32.16

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

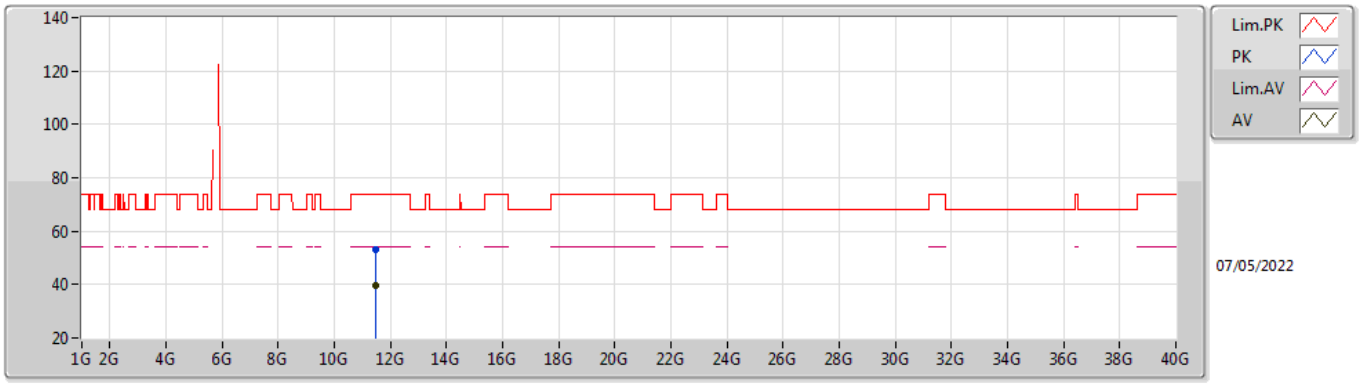


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	5.628G	57.62	68.20	-10.58	50.32	3	Horizontal	254	2.92	-	33.84	5.60	32.14
PK	5.741G	115.93	Inf	-Inf	108.65	3	Horizontal	254	2.92	-	33.82	5.60	32.14
AV	5.748G	104.81	Inf	-Inf	97.55	3	Horizontal	254	2.92	-	33.80	5.60	32.14
PK	5.978G	58.40	68.20	-9.80	50.58	3	Horizontal	254	2.92	-	34.20	5.78	32.16

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

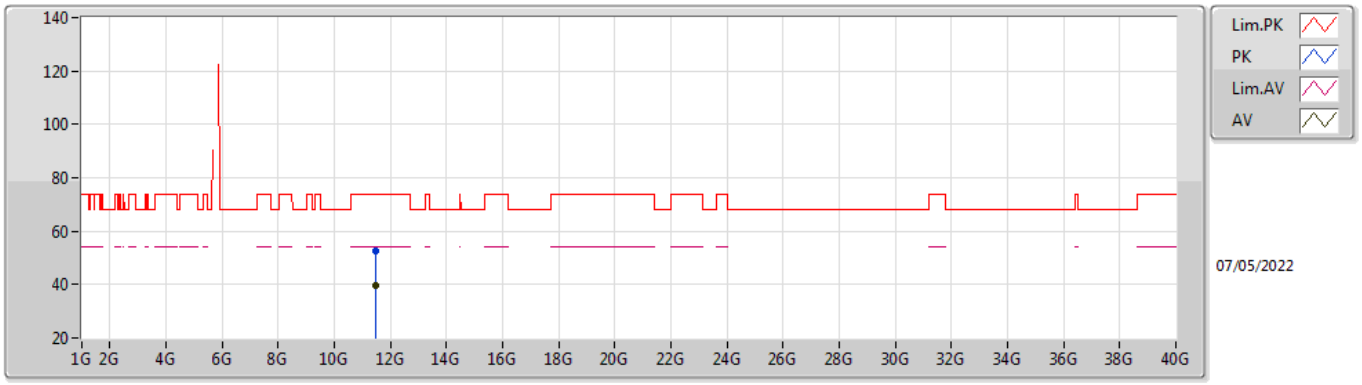


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.48808G	52.92	74.00	-21.08	39.26	3	Vertical	205	1.39	-	38.98	7.90	33.22
AV	11.48836G	39.87	54.00	-14.13	26.21	3	Vertical	205	1.39	-	38.98	7.90	33.22

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

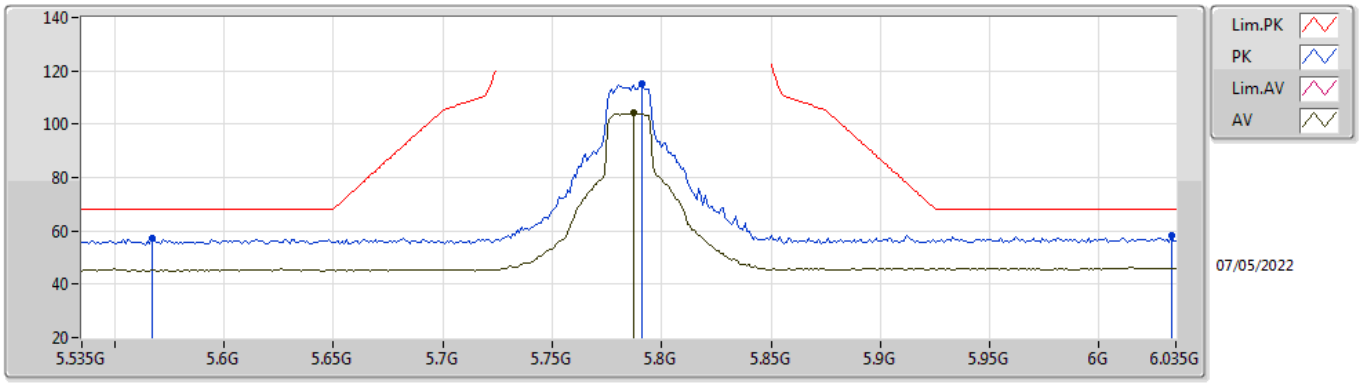


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.48976G	52.60	74.00	-21.40	38.94	3	Horizontal	15	2.57	-	38.98	7.90	33.22
AV	11.48508G	39.78	54.00	-14.22	26.14	3	Horizontal	15	2.57	-	38.97	7.89	33.22

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

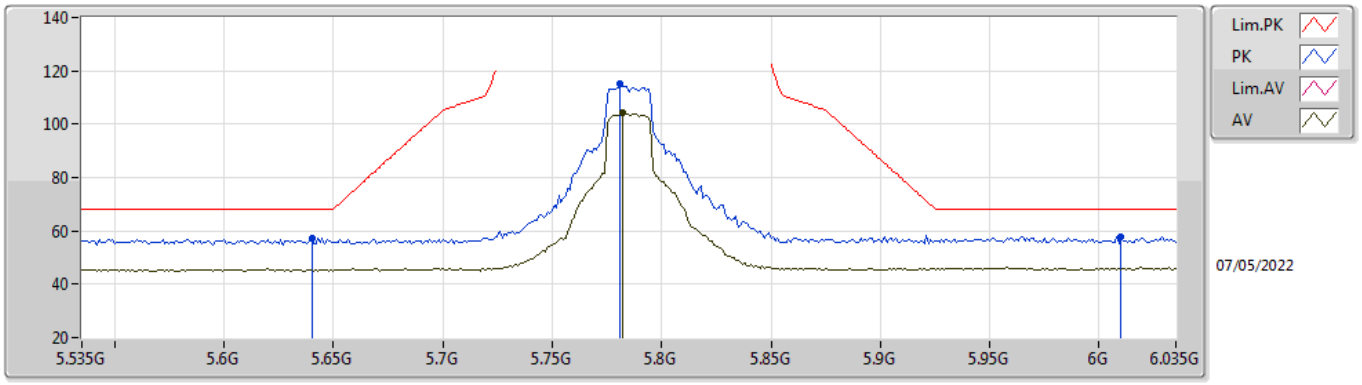


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	5.567G	57.24	68.20	-10.96	49.83	3	Vertical	203	2.36	-	33.97	5.57	32.13
PK	5.791G	115.03	Inf	-Inf	107.78	3	Vertical	203	2.36	-	33.80	5.60	32.15
AV	5.787G	104.16	Inf	-Inf	96.91	3	Vertical	203	2.36	-	33.80	5.60	32.15
PK	6.033G	58.02	68.20	-10.18	50.11	3	Vertical	203	2.36	-	34.27	5.80	32.16

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

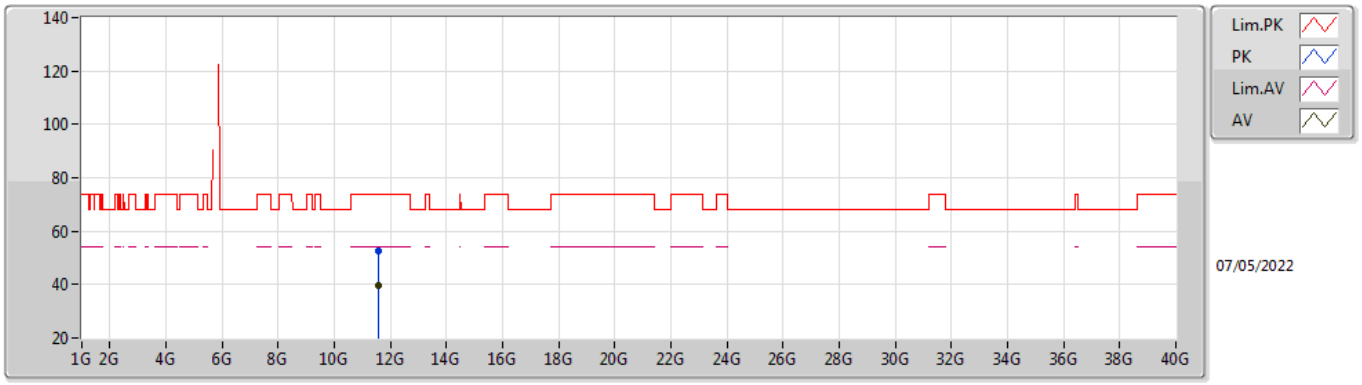


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	5.64G	57.41	68.20	-10.79	50.13	3	Horizontal	111	2.66	-	33.82	5.60	32.14
PK	5.781G	115.00	Inf	-Inf	107.75	3	Horizontal	111	2.66	-	33.80	5.60	32.15
AV	5.782G	104.19	Inf	-Inf	96.94	3	Horizontal	111	2.66	-	33.80	5.60	32.15
PK	6.01G	57.75	68.20	-10.45	49.89	3	Horizontal	111	2.66	-	34.22	5.80	32.16

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

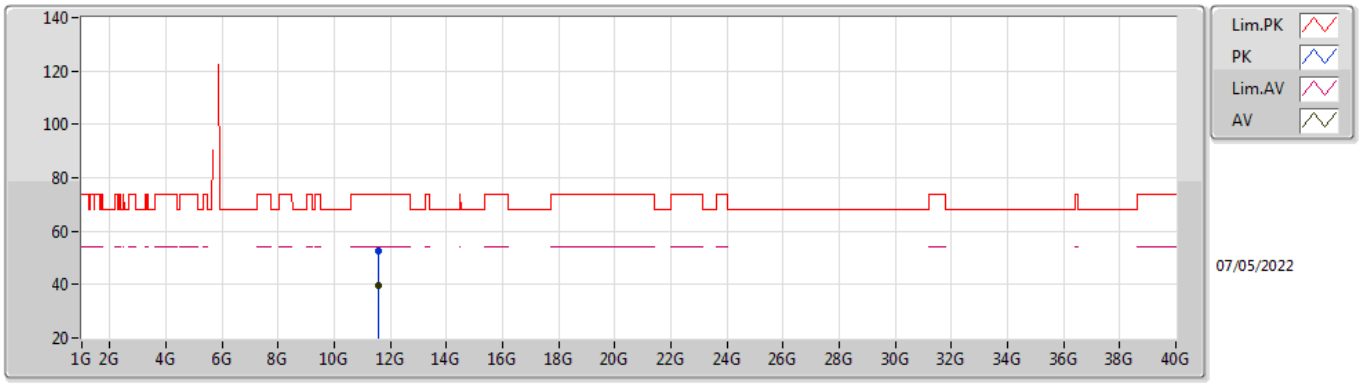


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5722G	52.66	74.00	-21.34	38.75	3	Vertical	24	1.92	-	39.22	7.93	33.24
AV	11.57178G	39.85	54.00	-14.15	25.94	3	Vertical	24	1.92	-	39.22	7.93	33.24

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

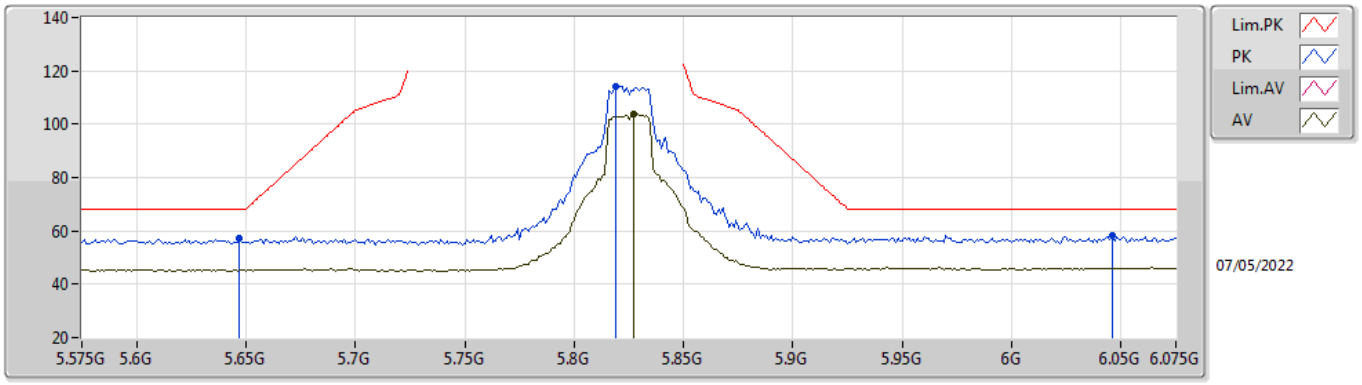


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.57144G	52.76	74.00	-21.24	38.86	3	Horizontal	110	1.38	-	39.21	7.93	33.24
AV	11.57326G	39.86	54.00	-14.14	25.95	3	Horizontal	110	1.38	-	39.22	7.93	33.24

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

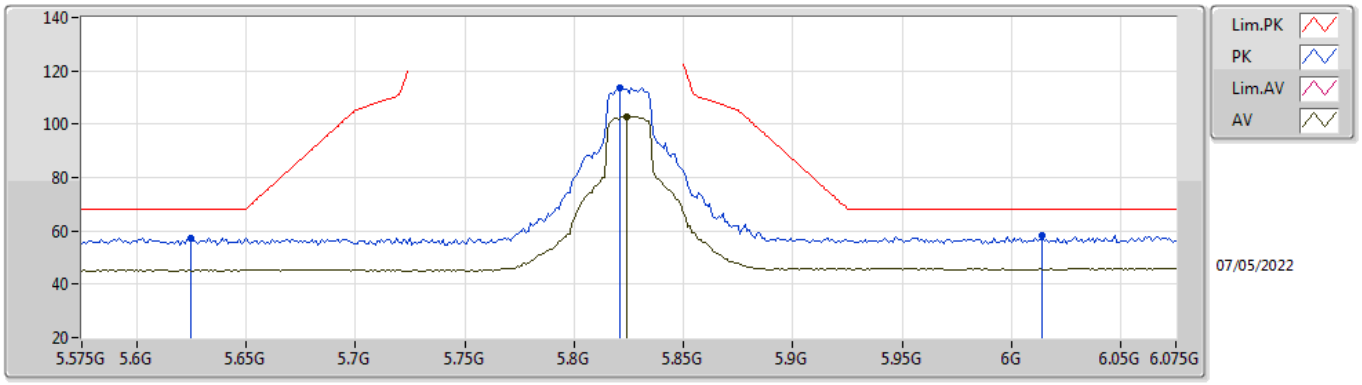


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	57.09	68.20	-11.11	49.82	3	Vertical	207	2.24	-	33.81	5.60	32.14
PK	5.819G	114.31	Inf	-Inf	107.04	3	Vertical	207	2.24	-	33.80	5.62	32.15
AV	5.827G	103.61	Inf	-Inf	96.33	3	Vertical	207	2.24	-	33.80	5.63	32.15
PK	6.046G	58.40	68.20	-9.80	50.47	3	Vertical	207	2.24	-	34.29	5.80	32.16

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

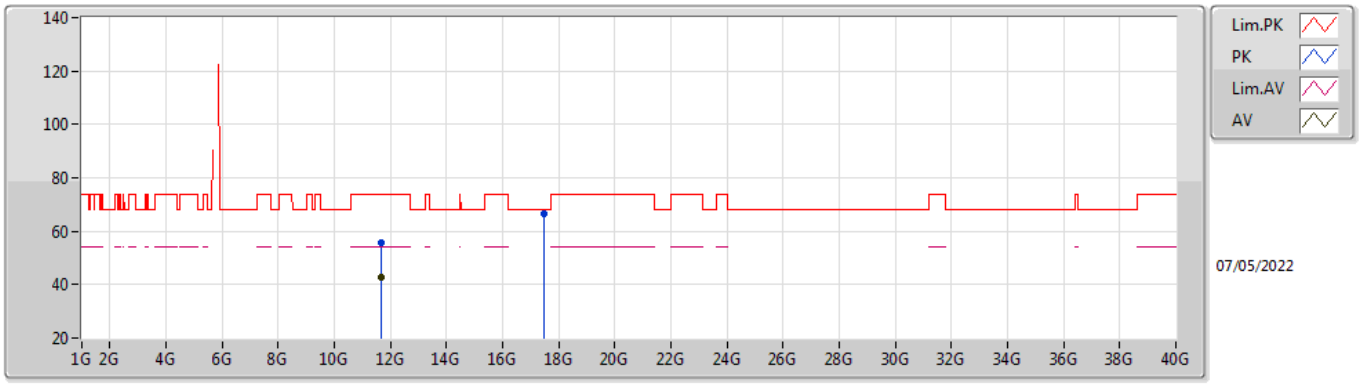


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	5.625G	57.49	68.20	-10.71	50.18	3	Horizontal	213	2.94	-	33.85	5.60	32.14
PK	5.821G	113.77	Inf	-Inf	106.50	3	Horizontal	213	2.94	-	33.80	5.62	32.15
AV	5.824G	102.91	Inf	-Inf	95.64	3	Horizontal	213	2.94	-	33.80	5.62	32.15
PK	6.014G	58.14	68.20	-10.06	50.27	3	Horizontal	213	2.94	-	34.23	5.80	32.16

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

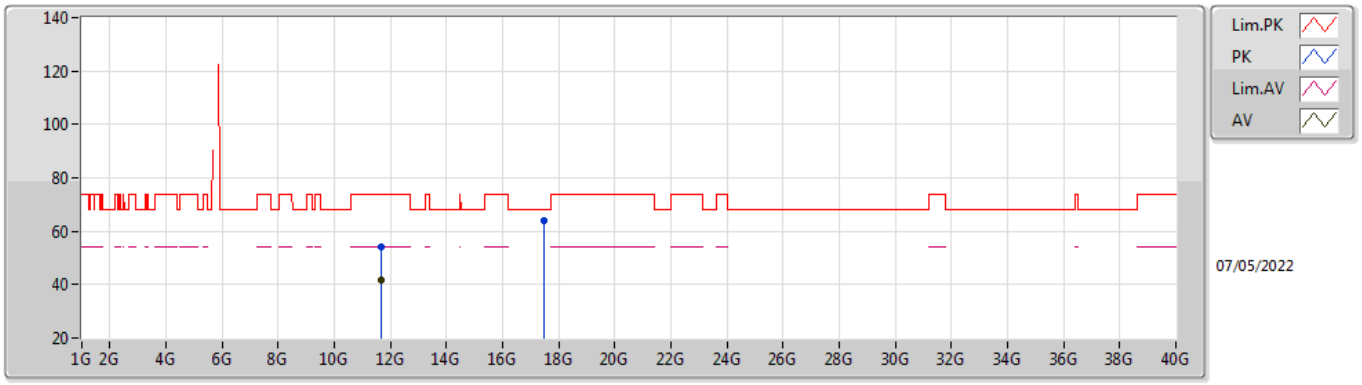


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6504G	55.44	74.00	-18.56	41.34	3	Vertical	148	1.79	-	39.40	7.96	33.26
AV	11.6511G	42.53	54.00	-11.47	28.43	3	Vertical	148	1.79	-	39.40	7.96	33.26
PK	17.4777G	66.72	68.20	-1.48	45.26	3	Vertical	225	1.67	-	43.72	10.74	33.00

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

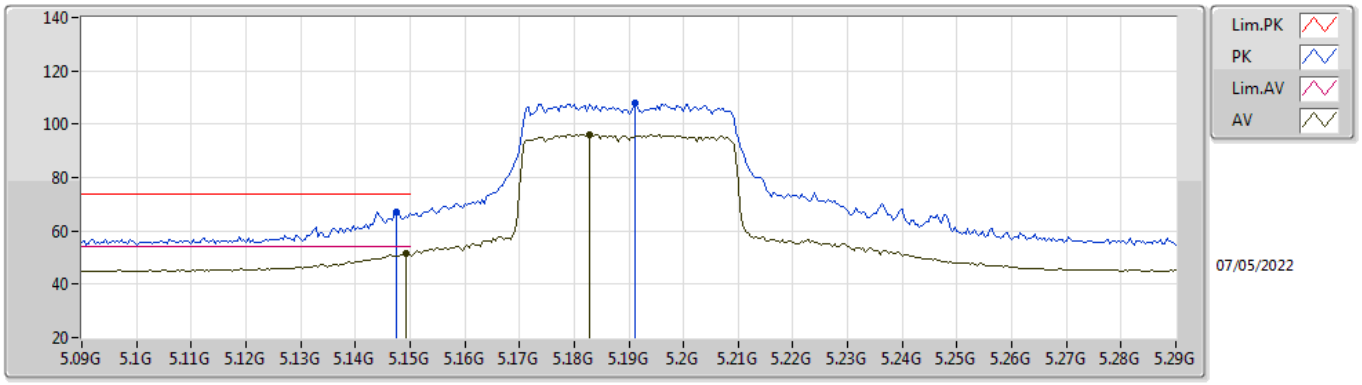


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6476G	53.90	74.00	-20.10	39.80	3	Horizontal	92	1.80	-	39.40	7.96	33.26
AV	11.6502G	41.80	54.00	-12.20	27.70	3	Horizontal	92	1.80	-	39.40	7.96	33.26
PK	17.4783G	64.16	68.20	-4.04	42.68	3	Horizontal	210	1.64	-	43.73	10.74	32.99

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

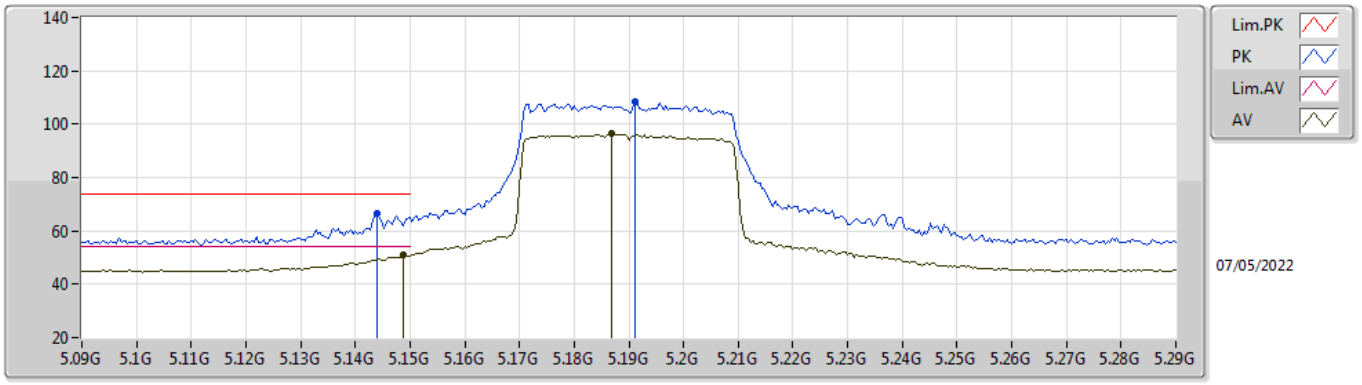


EUT X_2TX
Setting 16.75
02-B-K-5-10

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	67.24	74.00	-6.76	60.54	3	Vertical	215	2.30	-	33.60	5.25	32.15
AV	5.1492G	51.62	54.00	-2.38	44.92	3	Vertical	215	2.30	-	33.60	5.25	32.15
PK	5.1912G	107.84	Inf	-Inf	101.02	3	Vertical	215	2.30	-	33.68	5.29	32.15
AV	5.1828G	96.24	Inf	-Inf	89.44	3	Vertical	215	2.30	-	33.67	5.28	32.15

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

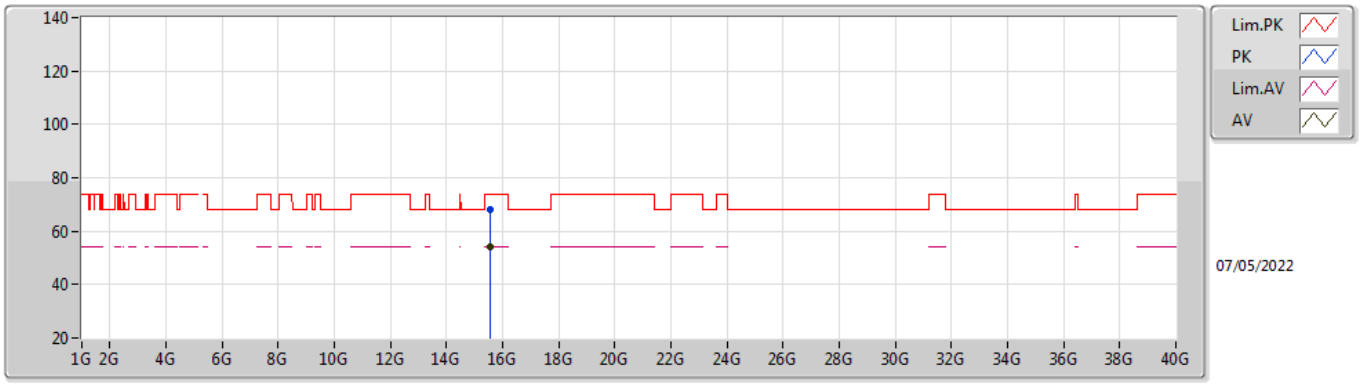


EUT X_2TX
Setting 16.75
02-B-K-5-10

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	5.144G	66.47	74.00	-7.53	59.79	3	Horizontal	253	2.70	-	33.59	5.24	32.15
AV	5.1488G	50.85	54.00	-3.15	44.15	3	Horizontal	253	2.70	-	33.60	5.25	32.15
PK	5.1912G	108.28	Inf	-Inf	101.46	3	Horizontal	253	2.70	-	33.68	5.29	32.15
AV	5.1868G	96.32	Inf	-Inf	89.51	3	Horizontal	253	2.70	-	33.67	5.29	32.15

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

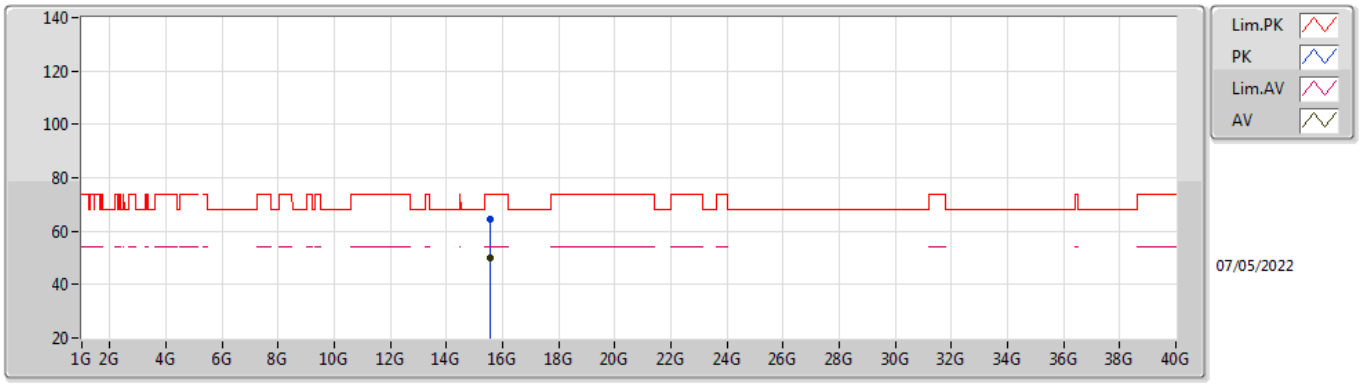


EUT Y_2TX
Setting 16.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.58008G	67.85	74.00	-6.15	53.66	3	Vertical	167	1.82	-	37.62	9.81	33.24
AV	15.57096G	53.95	54.00	-0.05	39.70	3	Vertical	167	1.82	-	37.67	9.81	33.23

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

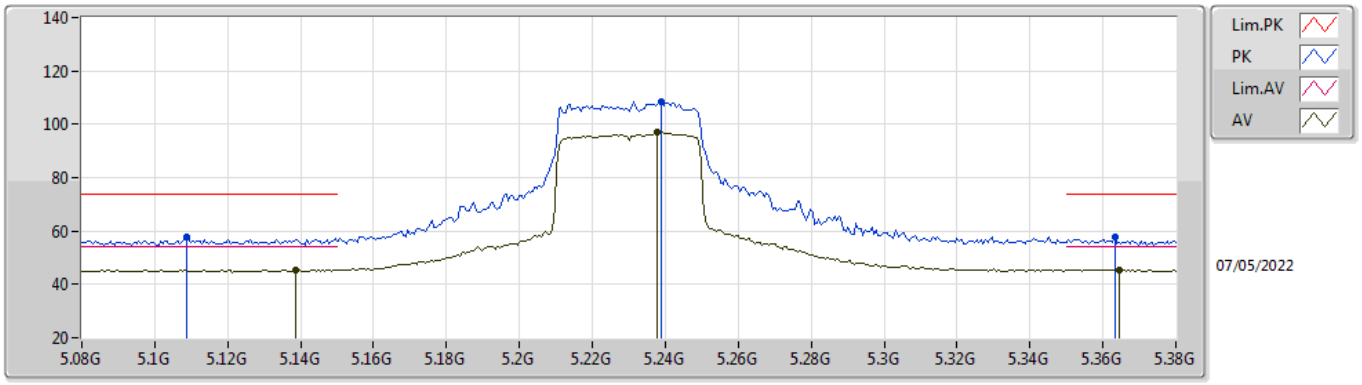


EUT Y_2TX
Setting 16.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5802G	64.62	74.00	-9.38	50.43	3	Horizontal	167	1.67	-	37.62	9.81	33.24
AV	15.56976G	49.97	54.00	-4.03	35.71	3	Horizontal	167	1.67	-	37.68	9.81	33.23

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

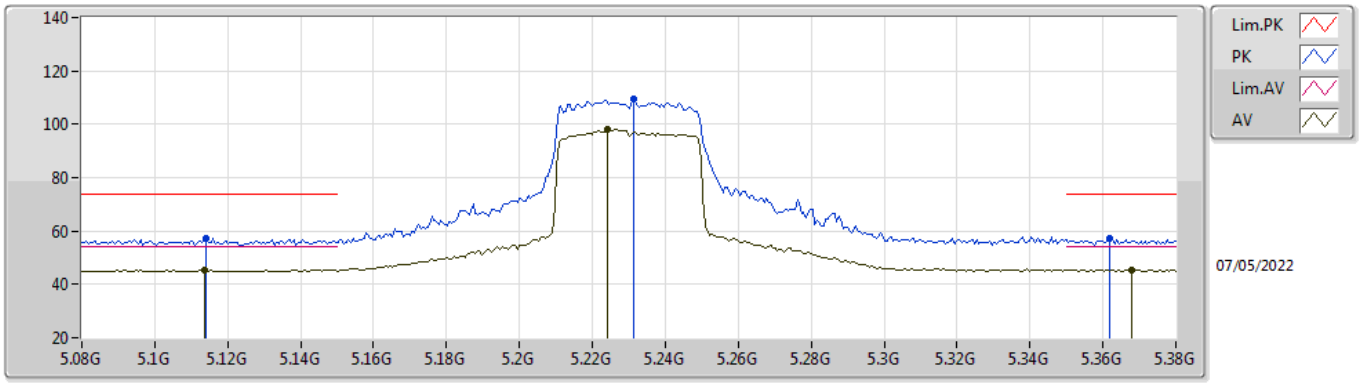


EUT X_2TX
Setting 17.75
02-B-K-5-10

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	5.1088G	57.55	74.00	-16.45	50.97	3	Vertical	224	1.03	-	33.52	5.21	32.15
AV	5.1388G	45.51	54.00	-8.49	38.84	3	Vertical	224	1.03	-	33.58	5.24	32.15
PK	5.239G	108.45	Inf	-Inf	101.58	3	Vertical	224	1.03	-	33.70	5.32	32.15
AV	5.2378G	96.92	Inf	-Inf	90.05	3	Vertical	224	1.03	-	33.70	5.32	32.15
PK	5.3632G	57.58	74.00	-16.42	50.41	3	Vertical	224	1.03	-	33.93	5.38	32.14
AV	5.3644G	45.41	54.00	-8.59	38.24	3	Vertical	224	1.03	-	33.93	5.38	32.14

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

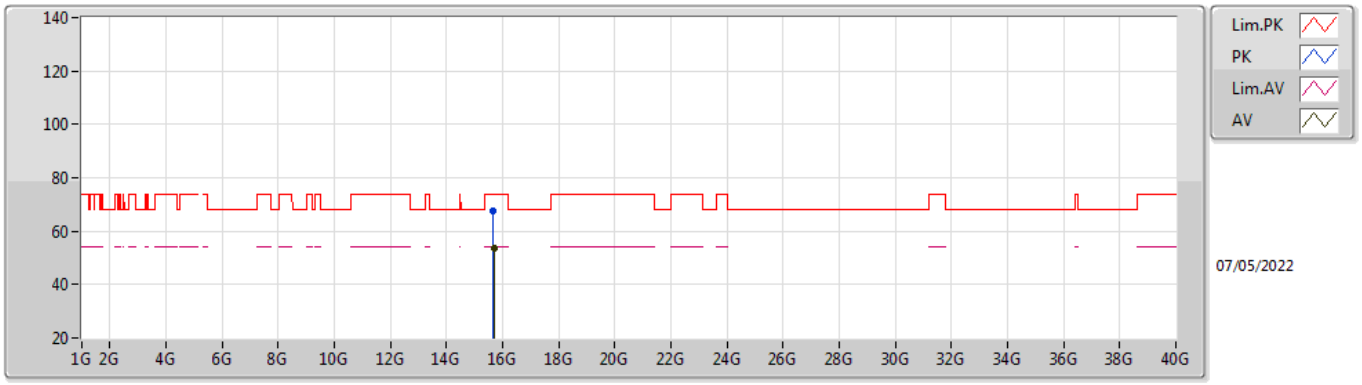


EUT X_2TX
Setting 17.75
02-B-K-5-10

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	5.1142G	57.22	74.00	-16.78	50.63	3	Horizontal	250	1.09	-	33.53	5.21	32.15
AV	5.1136G	45.53	54.00	-8.47	38.94	3	Horizontal	250	1.09	-	33.53	5.21	32.15
PK	5.2312G	109.68	Inf	-Inf	102.81	3	Horizontal	250	1.09	-	33.70	5.32	32.15
AV	5.224G	98.05	Inf	-Inf	91.19	3	Horizontal	250	1.09	-	33.70	5.31	32.15
PK	5.362G	57.32	74.00	-16.68	50.16	3	Horizontal	250	1.09	-	33.92	5.38	32.14
AV	5.368G	45.47	54.00	-8.53	38.29	3	Horizontal	250	1.09	-	33.94	5.38	32.14

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

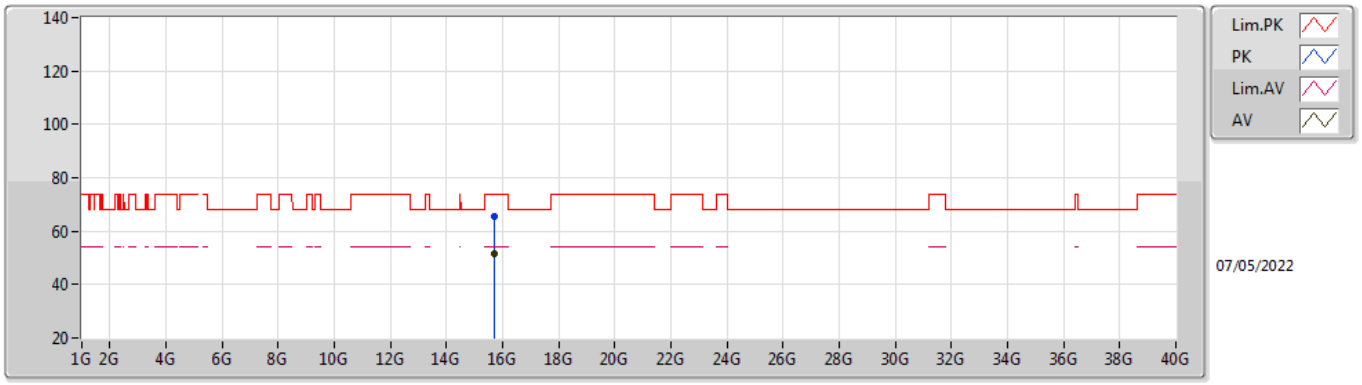


EUT Y_2TX
Setting 17.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.67992G	67.64	74.00	-6.36	53.64	3	Vertical	167	1.80	-	37.50	9.86	33.36
AV	15.68988G	53.76	54.00	-0.24	39.77	3	Vertical	167	1.80	-	37.50	9.86	33.37

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

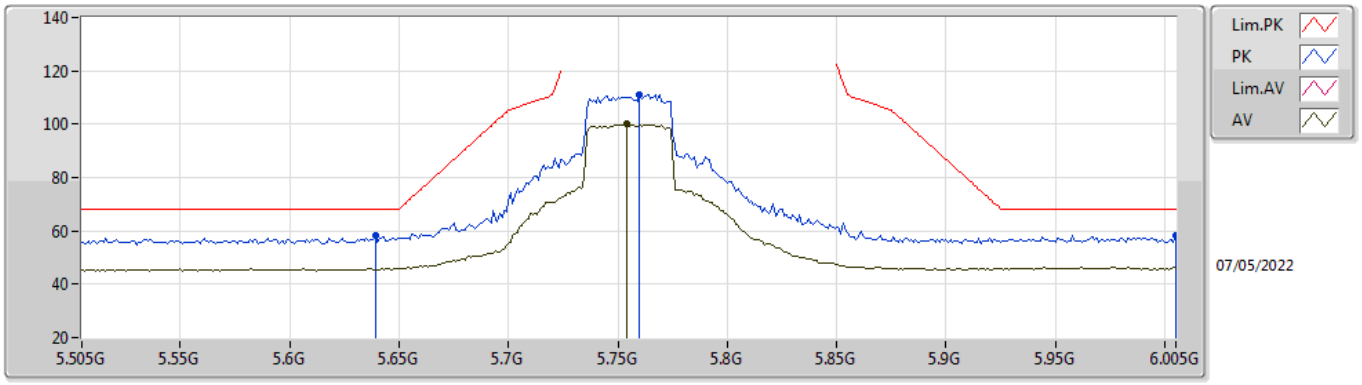


EUT Y_2TX
Setting 17.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.69192G	65.40	74.00	-8.60	51.42	3	Horizontal	173	1.69	-	37.50	9.86	33.38
AV	15.69084G	51.47	54.00	-2.53	37.49	3	Horizontal	173	1.69	-	37.50	9.86	33.38

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

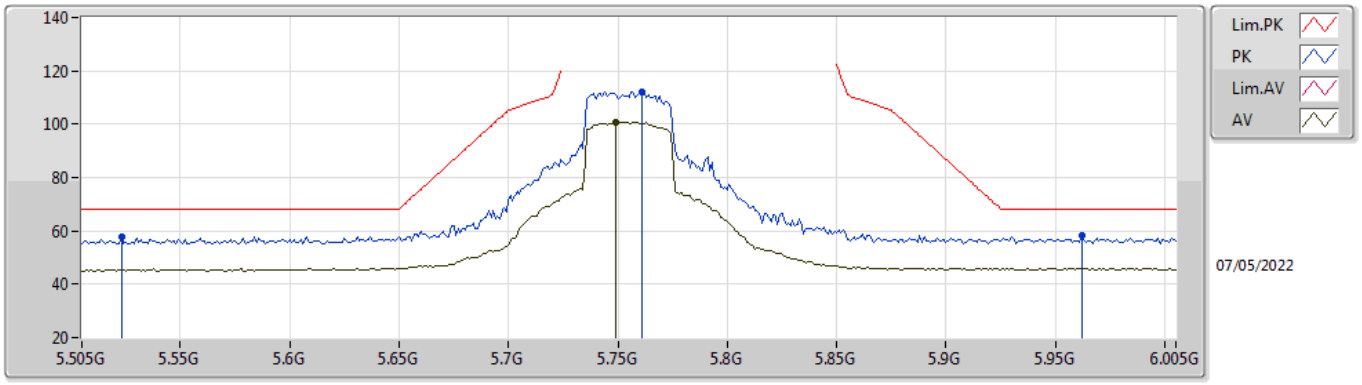


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	58.22	68.20	-9.98	50.94	3	Vertical	248	1.05	-	33.82	5.60	32.14
PK	5.76G	111.23	Inf	-Inf	103.98	3	Vertical	248	1.05	-	33.80	5.60	32.15
AV	5.754G	99.94	Inf	-Inf	92.69	3	Vertical	248	1.05	-	33.80	5.60	32.15
PK	6.005G	58.15	68.20	-10.05	50.30	3	Vertical	248	1.05	-	34.21	5.80	32.16

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

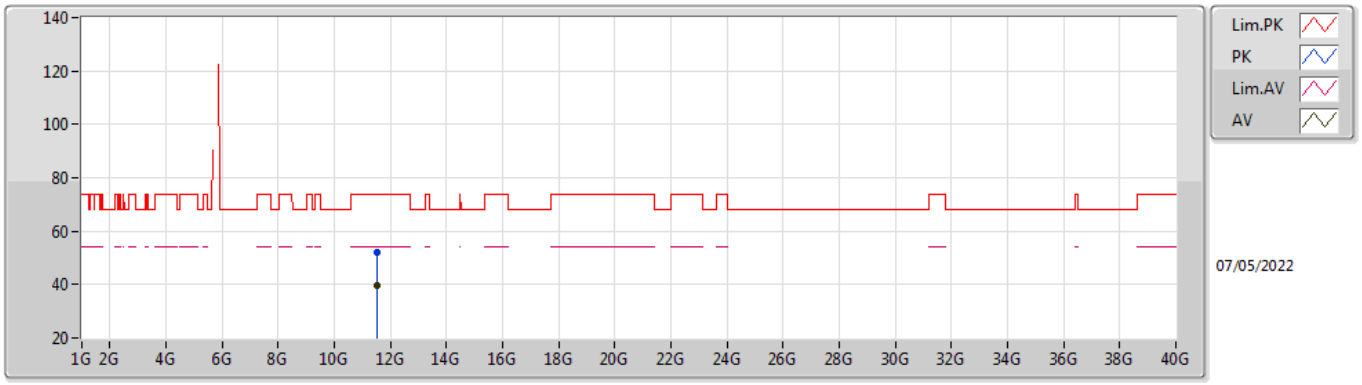


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	5.523G	57.92	68.20	-10.28	50.53	3	Horizontal	258	2.80	-	34.00	5.52	32.13
PK	5.761G	112.32	Inf	-Inf	105.07	3	Horizontal	258	2.80	-	33.80	5.60	32.15
AV	5.749G	100.91	Inf	-Inf	93.65	3	Horizontal	258	2.80	-	33.80	5.60	32.14
PK	5.962G	58.38	68.20	-9.82	50.58	3	Horizontal	258	2.80	-	34.20	5.76	32.16

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

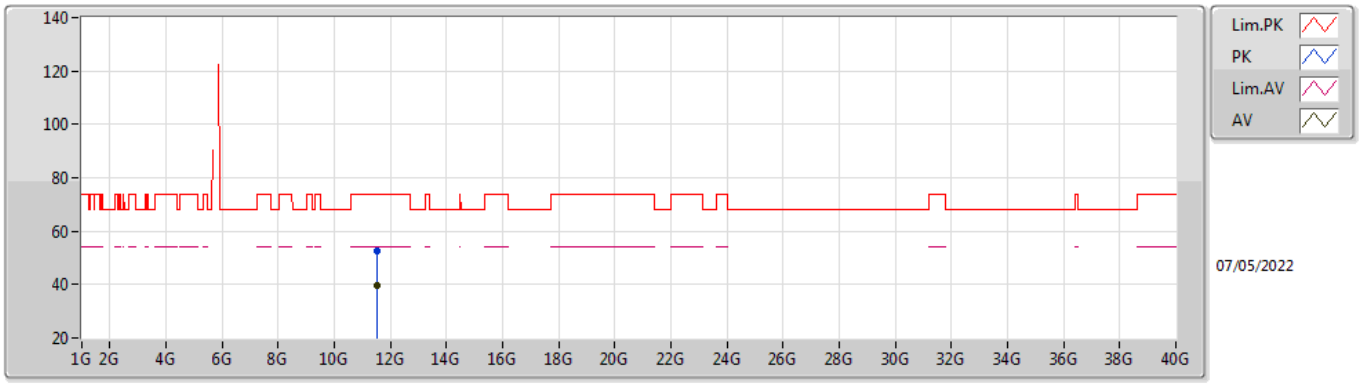


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.51496G	52.18	74.00	-21.82	38.45	3	Vertical	92	1.55	-	39.04	7.91	33.22
AV	11.51278G	39.49	54.00	-14.51	25.76	3	Vertical	92	1.55	-	39.04	7.91	33.22

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

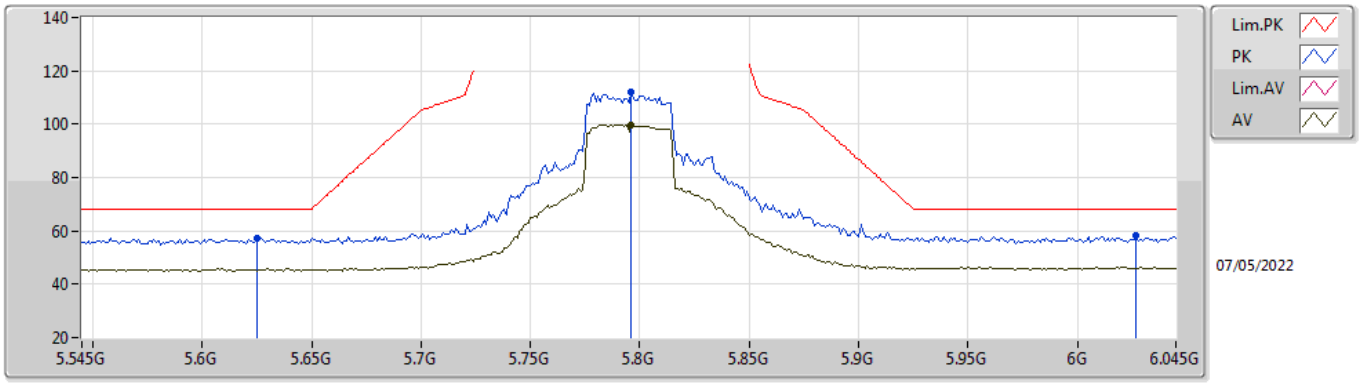


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5088G	52.68	74.00	-21.32	38.97	3	Horizontal	172	2.80	-	39.03	7.90	33.22
AV	11.51278G	39.56	54.00	-14.44	25.83	3	Horizontal	172	2.80	-	39.04	7.91	33.22

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

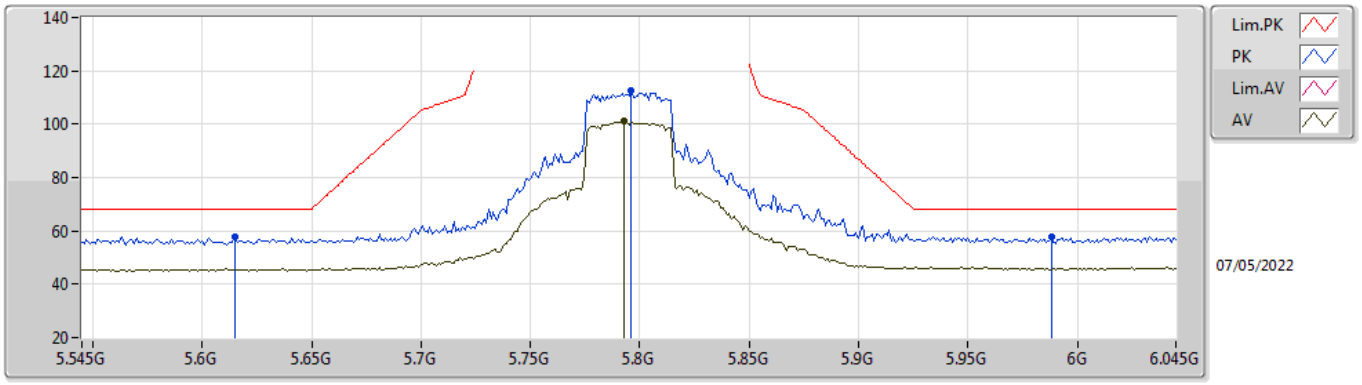


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	5.625G	57.43	68.20	-10.77	50.12	3	Vertical	210	1.00	-	33.85	5.60	32.14
PK	5.796G	112.11	Inf	-Inf	104.86	3	Vertical	210	1.00	-	33.80	5.60	32.15
AV	5.796G	99.67	Inf	-Inf	92.42	3	Vertical	210	1.00	-	33.80	5.60	32.15
PK	6.027G	58.10	68.20	-10.10	50.21	3	Vertical	210	1.00	-	34.25	5.80	32.16

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

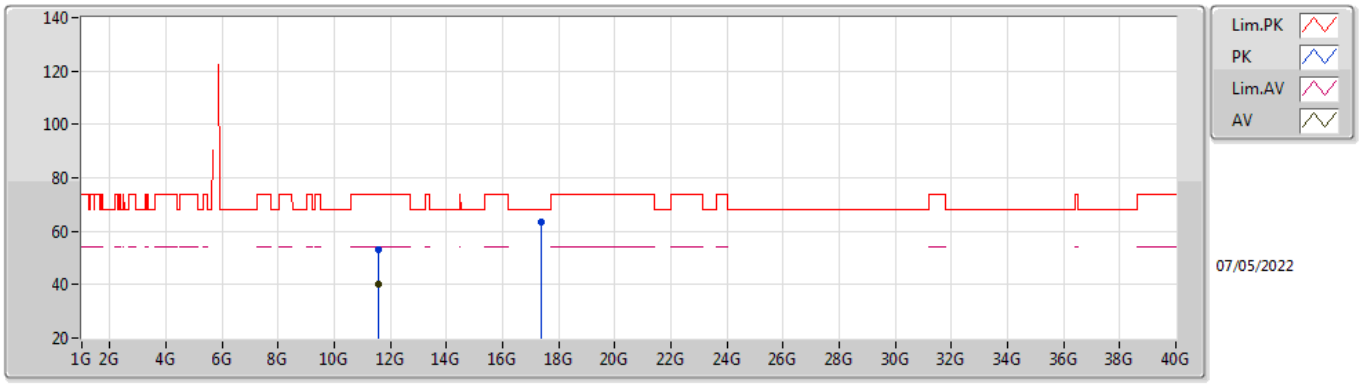


EUT X_2TX
Setting 24.75
02-B-K-5-10

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	5.615G	57.74	68.20	-10.46	50.41	3	Horizontal	111	2.48	-	33.87	5.60	32.14
PK	5.796G	112.67	Inf	-Inf	105.42	3	Horizontal	111	2.48	-	33.80	5.60	32.15
AV	5.793G	101.12	Inf	-Inf	93.87	3	Horizontal	111	2.48	-	33.80	5.60	32.15
PK	5.988G	57.86	68.20	-10.34	50.03	3	Horizontal	111	2.48	-	34.20	5.79	32.16

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

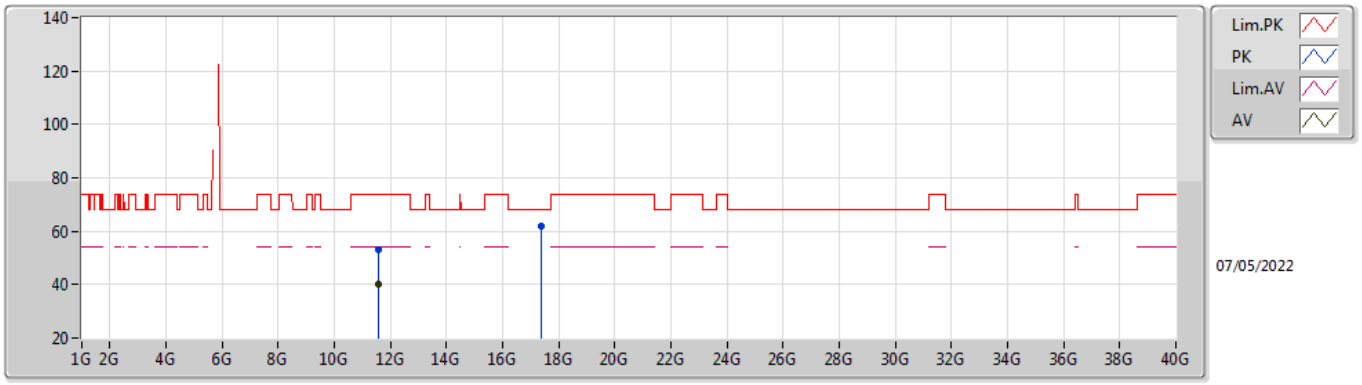


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.59186G	53.09	74.00	-20.91	39.11	3	Vertical	321	2.33	-	39.28	7.94	33.24
AV	11.58908G	40.38	54.00	-13.62	26.41	3	Vertical	321	2.33	-	39.27	7.94	33.24
PK	17.39736G	63.46	68.20	-4.74	42.77	3	Vertical	222	1.54	-	43.08	10.70	33.09

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

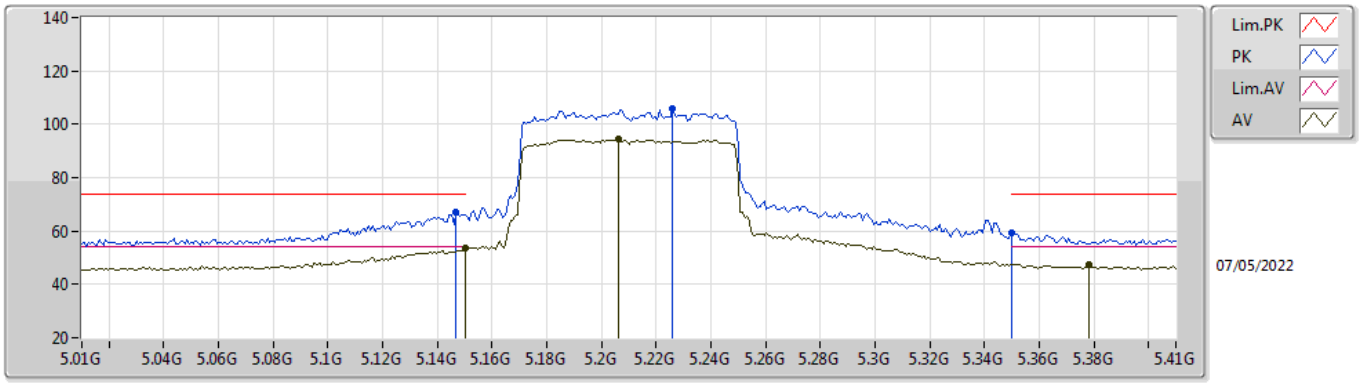


EUT Y_2TX
Setting 24.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5894G	53.29	74.00	-20.71	39.32	3	Horizontal	311	1.33	-	39.27	7.94	33.24
AV	11.5924G	40.23	54.00	-13.77	26.25	3	Horizontal	311	1.33	-	39.28	7.94	33.24
PK	17.38476G	61.94	68.20	-6.26	41.34	3	Horizontal	202	1.72	-	43.01	10.69	33.10

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

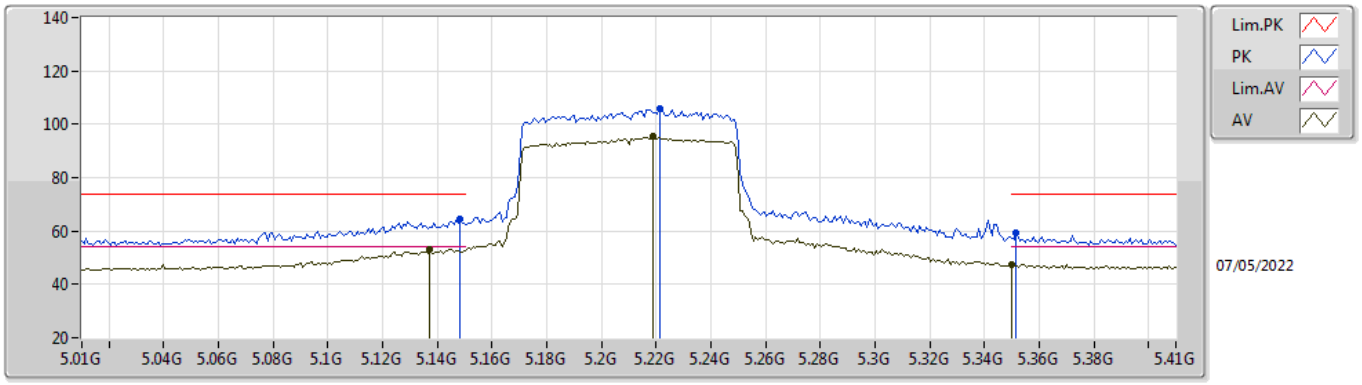


EUT X_2TX
Setting 16.75
02-B-K-5-10

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	5.1468G	67.16	74.00	-6.84	60.47	3	Vertical	254	1.04	-	33.59	5.25	32.15
AV	5.15G	53.78	54.00	-0.22	47.08	3	Vertical	254	1.04	-	33.60	5.25	32.15
PK	5.226G	105.95	Inf	-Inf	99.09	3	Vertical	254	1.04	-	33.70	5.31	32.15
AV	5.206G	94.29	Inf	-Inf	87.44	3	Vertical	254	1.04	-	33.70	5.30	32.15
PK	5.35G	59.25	74.00	-14.75	52.12	3	Vertical	254	1.04	-	33.90	5.37	32.14
AV	5.378G	47.34	54.00	-6.66	40.13	3	Vertical	254	1.04	-	33.96	5.39	32.14

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

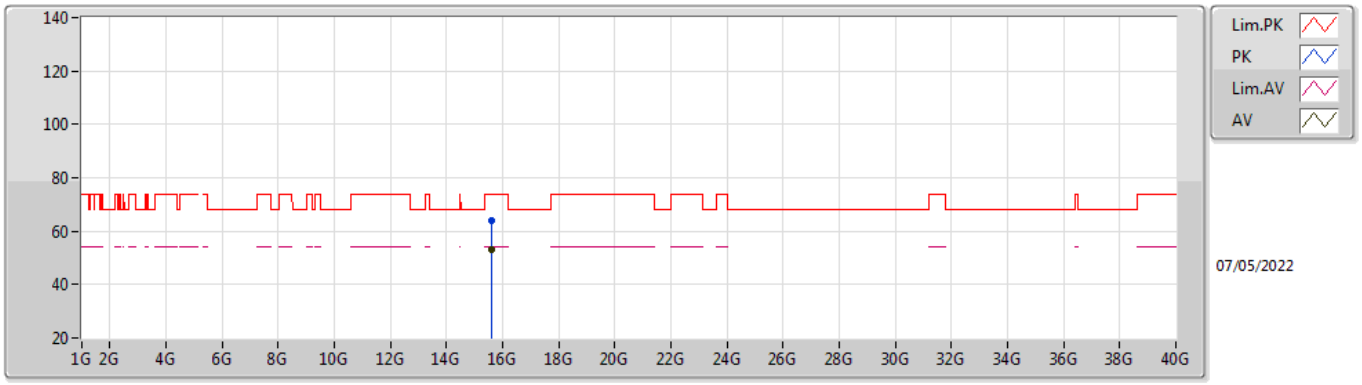


EUT X_2TX
Setting 16.75
02-B-K-5-10

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	64.35	74.00	-9.65	57.65	3	Horizontal	252	1.32	-	33.60	5.25	32.15
AV	5.1372G	53.24	54.00	-0.76	46.58	3	Horizontal	252	1.32	-	33.57	5.24	32.15
PK	5.2212G	105.89	Inf	-Inf	99.03	3	Horizontal	252	1.32	-	33.70	5.31	32.15
AV	5.2188G	95.32	Inf	-Inf	88.46	3	Horizontal	252	1.32	-	33.70	5.31	32.15
PK	5.3516G	59.08	74.00	-14.92	51.94	3	Horizontal	252	1.32	-	33.90	5.38	32.14
AV	5.35G	47.53	54.00	-6.47	40.39	3	Horizontal	252	1.32	-	33.90	5.38	32.14

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

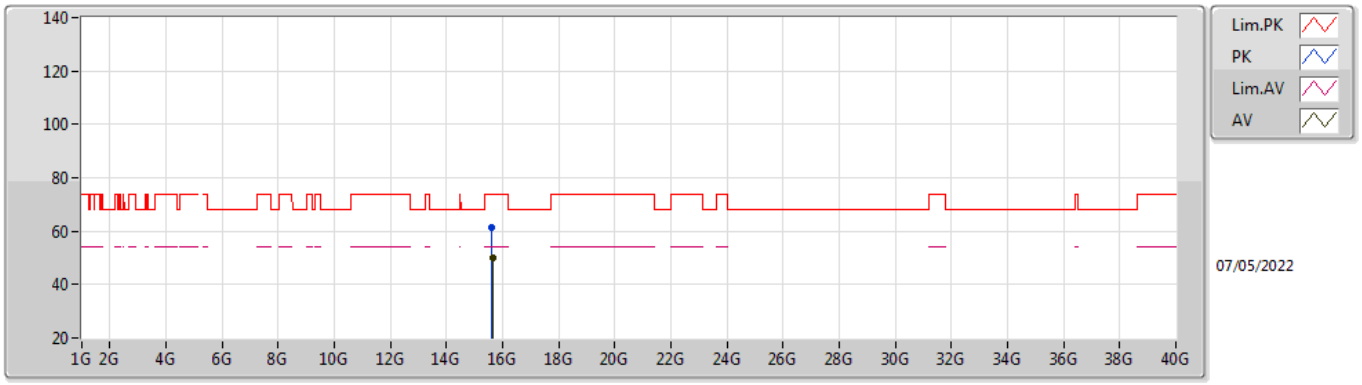


EUT Y_2TX
Setting 16.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.6072G	63.86	74.00	-10.14	49.82	3	Vertical	170	1.87	-	37.50	9.82	33.28
AV	15.621G	53.08	54.00	-0.92	39.04	3	Vertical	170	1.87	-	37.50	9.83	33.29

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

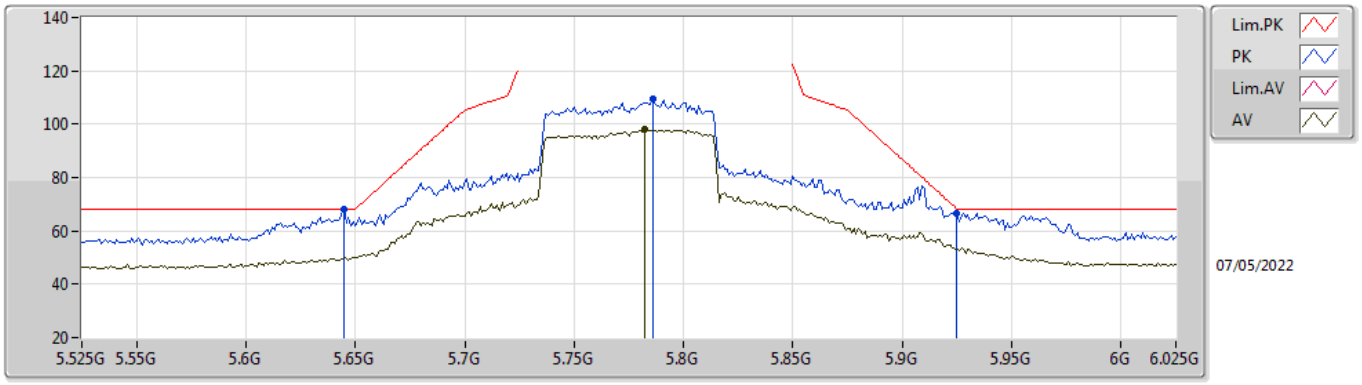


EUT Y_2TX
Setting 16.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.6194G	61.27	74.00	-12.73	47.23	3	Horizontal	174	1.67	-	37.50	9.83	33.29
AV	15.663G	50.05	54.00	-3.95	36.04	3	Horizontal	174	1.67	-	37.50	9.85	33.34

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom

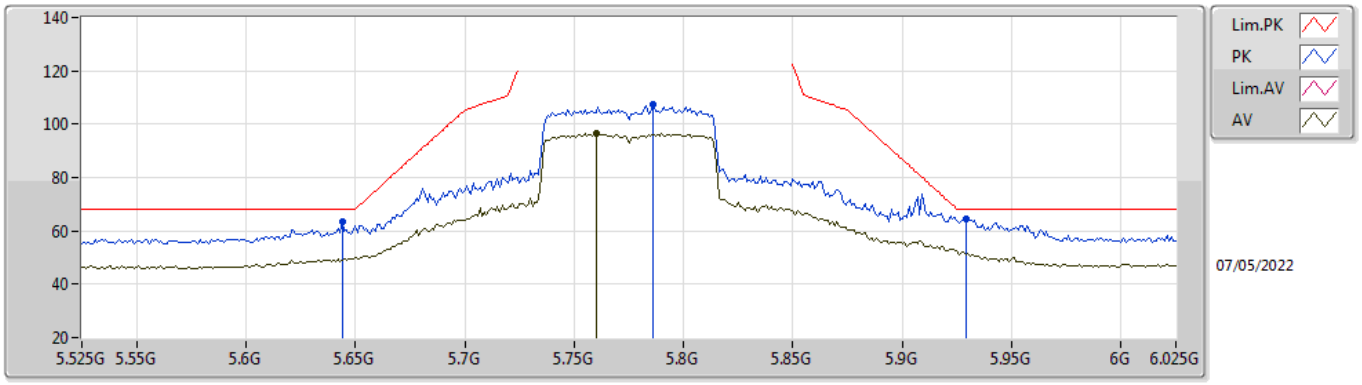


EUT X_2TX
Setting 22.75
02-B-K-5-10

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	67.96	68.20	-0.24	60.69	3	Vertical	213	1.00	-	33.81	5.60	32.14
PK	5.786G	109.49	Inf	-Inf	102.24	3	Vertical	213	1.00	-	33.80	5.60	32.15
AV	5.782G	98.10	Inf	-Inf	90.85	3	Vertical	213	1.00	-	33.80	5.60	32.15
PK	5.925G	66.73	68.20	-1.47	59.02	3	Vertical	213	1.00	-	34.15	5.72	32.16

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom

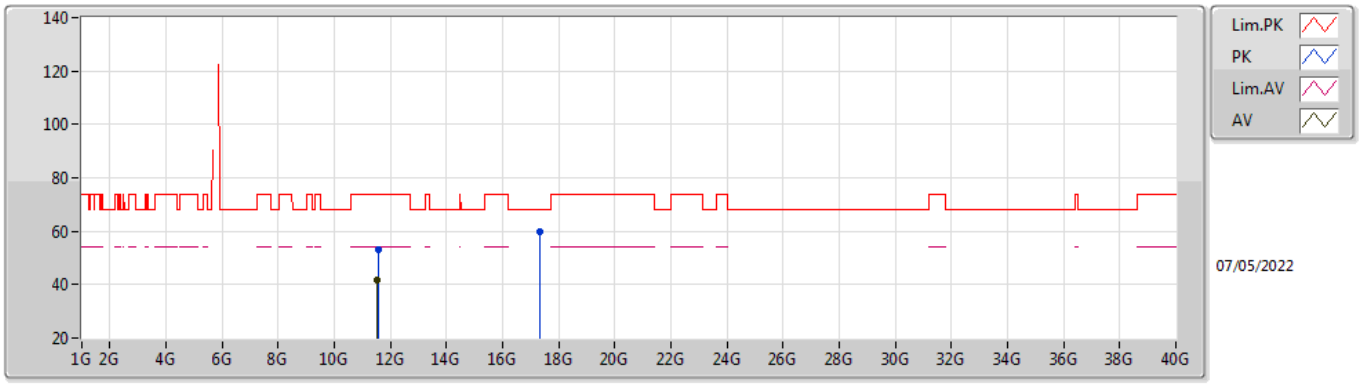


EUT X_2TX
Setting 22.75
02-B-K-5-10

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	63.41	68.20	-4.79	56.14	3	Horizontal	109	2.21	-	33.81	5.60	32.14
PK	5.786G	107.38	Inf	-Inf	100.13	3	Horizontal	109	2.21	-	33.80	5.60	32.15
AV	5.76G	96.68	Inf	-Inf	89.43	3	Horizontal	109	2.21	-	33.80	5.60	32.15
PK	5.929G	64.72	68.20	-3.48	56.99	3	Horizontal	109	2.21	-	34.16	5.73	32.16

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom

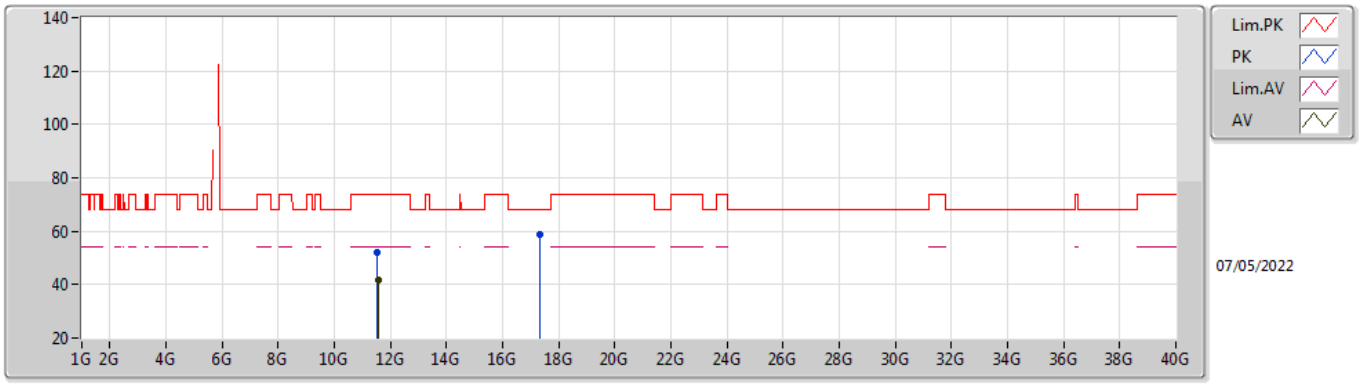


EUT Y_2TX
Setting 22.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.54958G	52.89	74.00	-21.11	39.05	3	Vertical	178	1.61	-	39.15	7.92	33.23
AV	11.5476G	41.77	54.00	-12.23	27.94	3	Vertical	178	1.61	-	39.14	7.92	33.23
PK	17.32704G	59.78	68.20	-8.42	39.63	3	Vertical	46	1.90	-	42.66	10.66	33.17

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom



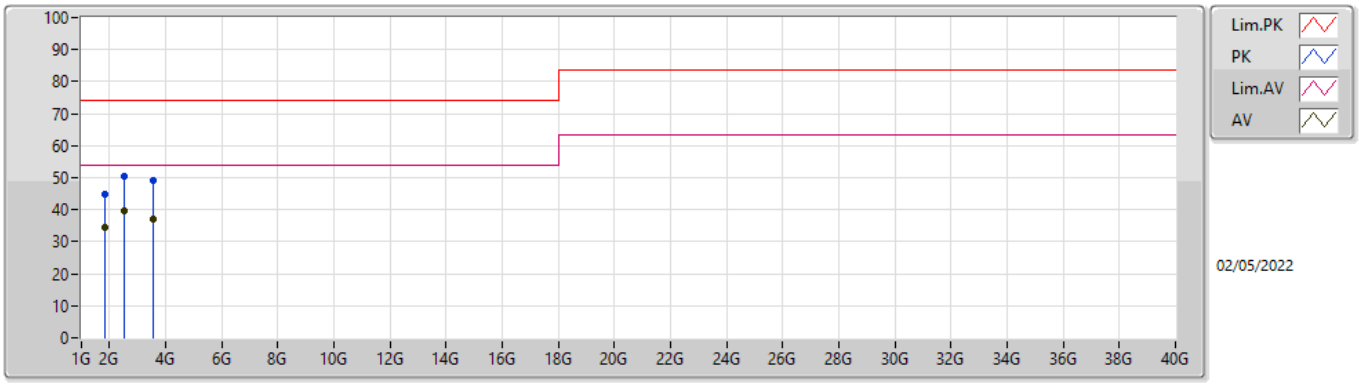
EUT Y_2TX
Setting 22.75
02-B-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.54844G	52.17	74.00	-21.83	38.33	3	Horizontal	271	1.40	-	39.15	7.92	33.23
AV	11.55236G	41.67	54.00	-12.33	27.82	3	Horizontal	271	1.40	-	39.16	7.92	33.23
PK	17.326G	58.96	68.20	-9.24	38.81	3	Horizontal	126	1.81	-	42.66	10.66	33.17

Summary

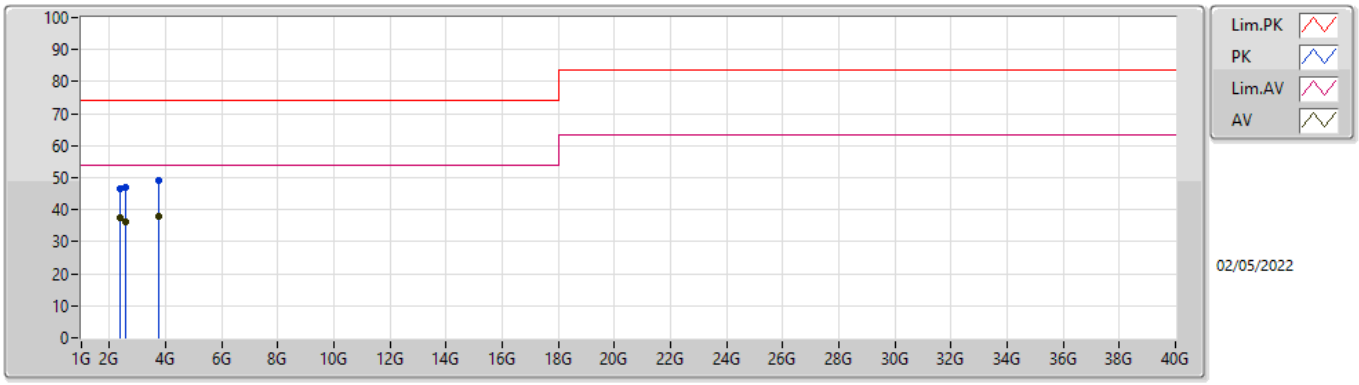
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	2.5215G	39.73	54.00	-14.27	Vertical

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)		(dBuV)	(dB)	(dB)	(dB)
PK	1.8245G	44.86	74.00	-29.14	0.69	3	Vertical	170	3.00	-	44.17	30.60	6.04	35.95
AV	1.8245G	34.44	54.00	-19.56	0.69	3	Vertical	170	3.00	-	33.75	30.60	6.04	35.95
PK	2.5215G	50.40	74.00	-23.60	3.84	3	Vertical	300	1.00	-	46.56	32.60	7.44	36.20
AV	2.5215G	39.73	54.00	-14.27	3.84	3	Vertical	300	1.00	"Worst"	35.89	32.60	7.44	36.20
PK	3.55G	48.99	74.00	-25.01	6.71	3	Vertical	249	1.00	-	42.28	32.80	9.93	36.02
AV	3.55G	36.98	54.00	-17.02	6.71	3	Vertical	249	1.00	-	30.27	32.80	9.93	36.02

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)		(dBuV)	(dB)	(dB)	(dB)
PK	2.3855G	46.65	74.00	-27.35	3.29	3	Horizontal	305	1.00	-	43.36	32.25	7.16	36.12
AV	2.3855G	37.66	54.00	-16.34	3.29	3	Horizontal	305	1.00	-	34.37	32.25	7.16	36.12
PK	2.564G	46.82	74.00	-27.18	3.95	3	Horizontal	41	3.00	-	42.87	32.63	7.53	36.21
AV	2.564G	36.14	54.00	-17.86	3.95	3	Horizontal	41	3.00	-	32.19	32.63	7.53	36.21
PK	3.754G	49.01	74.00	-24.99	7.83	3	Horizontal	151	2.00	-	41.18	33.51	10.30	35.98
AV	3.754G	37.94	54.00	-16.06	7.83	3	Horizontal	151	2.00	"Worst"	30.11	33.51	10.30	35.98