Testing Laboratory
3787

RADIO TEST REPORT

FCC ID	:	2ARXK-VHC25
Equipment	:	Wireless Edge Server
Brand Name	:	VeeaHub
Model Name	:	VHC25,VHC20
Applicant	:	Veea Inc. 164 E 83rd Street, NEW YORK,United States, 10028
Manufacturer	:	Veea Inc. 164 E 83rd Street, NEW YORK,United States, 10028
Standard	:	47 CFR FCC Part 15.407

The product was received on Aug. 09, 2021, and testing was started from Aug. 11, 2021 and completed on Dec. 03, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR172726AE	01	Initial issue of report	Jan. 13, 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:

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

Comments and Explanations:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Wendy Pan

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11n HT40-BF	40	2
5.725-5.85GHz	802.11ac VHT40	40	2
5.725-5.85GHz	802.11ac VHT40-BF	40	2
5.725-5.85GHz	802.11ax HEW40	40	2
5.725-5.85GHz	802.11ax HEW40-BF	40	2
5.725-5.85GHz	802.11ac VHT80	80	2
5.725-5.85GHz	802.11ac VHT80-BF	80	2
5.725-5.85GHz	802.11ax HEW80	80	2
5.725-5.85GHz	802.11ax HEW80-BF	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.	Brand Name	Model Name	Antenna Type	Connector	Gain (dBi)
1	WNC	VHC25	PIFA	I-PEX	Note 1
2	WNC	VHC25	PIFA	I-PEX	
3	WNC	VHC25	PIFA	I-PEX	
4	WNC	VHC25	PIFA	I-PEX	

Note 1:

Ant.	Port					Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz UNII-3	WLAN 5GHz UNII-1	Bluetooth BR/EDR	Bluetooth LE or IEEE802.15.4	WLAN 2.4GHz	WLAN 5GHz UNII-3	WLAN 5GHz UNII-1	Bluetooth BR/EDR	Bluetooth LE or IEEE802.15.4
1	-	-	2	1	-	-	-	3.6	2.3	-
2	1	2	-	-	-	2.2	3.3	-	-	-
3	-	-	1	-	1	-	-	3.5	-	1.9
4	2	1	-	-	-	1.8	3.4	-	-	-

Note 2: The above information was declared by manufacturer.

Note 3: 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	$Directional Gain = 10 \cdot \log\left[\frac{\sum_{i=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{i,k}\right\}^2}{N_{ANT}}\right]$
BF	$Directional Gain = 10 \cdot \log\left[\frac{\sum_{i=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{i,k}\right\}^2}{N_{ANT}}\right]$	$Directional Gain = 10 \cdot \log\left[\frac{\sum_{i=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{i,k}\right\}^2}{N_{ANT}}\right]$

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

gj,k =(Nss1(g1,1) + Nss1(g1,2) + Nss1(g1,3) + Nss1(g1,4))^2

DG = 10 log[(Nss1(g1,1) + Nss1(g1,2) + Nss1(g1,3) + Nss1(g1,4))^2 / N_{ANT}] => 10 log[($10^{G1/20}$ + $10^{G2/20}$ + $10^{G3/20}$ + $10^{G4/20}$)^2 / N_{ANT}]

Where ;

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

2.4GHz DG = 5.01 dBi

5 GHz U-NII-1 DG = 6.56 dBi

5 GHz U-NII-3 DG = 6.36 dBi

For 2.4GHz:

For IEEE 802.11b/g/n/VHT/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 UNII-1 / UNII-3:

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.

Bluetooth / IEEE802.15.4 (1TX/1RX):

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

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.957	0.19	1.976m	1k
802.11ax HEW20	0.954	0.2	5.445m	300
802.11ax HEW40	0.96	0.18	5.446m	300
802.11ax HEW80	0.959	0.18	5.446m	300

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

1.1.4 EUT Operational Condition

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

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

Model Name	Description
VHC25	All the model names are identical, the difference model names served as marketing strategy.
VHC20	

Note1: From the above models, model: VHC25 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.1.6 Table for EUT Operation Information

Operation Mode	Description
1	WLAN 2.4GHz + 5GHz Low Band + 5GHz High Band + Bluetooth BR/EDR + IEEE 802.15.4
2	WLAN 2.4GHz + 5GHz Low Band + 5GHz High Band + Bluetooth BR/EDR + Bluetooth LE

Note: The above information was declared by manufacturer.

1.1.7 Table for EUT support function

Function
AP
Mesh

Note1: AP mode was selected as representative mode for AC power-line conducted emissions and Emissions in Restricted Frequency Bands below 1GHz test and its data was recorded in this report.

Note2: 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	Caster Chang	23.2~24.2 / 53~55	Aug. 13, 2021 ~ Sep. 18, 2021
Radiated<1GHz	10CH01-CB	Peter Wu	23~24 / 58~59	Aug. 30, 2021 ~ Dec. 03, 2021
Radiated>1GHz	03CH04-CB	RJ Huang	24.6-25.7 / 55-58	Aug. 11, 2021 ~ Sep. 09, 2021
Radiated Co-Location	03CH06-CB	RJ Huang	25.8-28.2 / 56-59	Aug. 11, 2021 ~ Sep. 09, 2021
AC Conduction	CO01-CB	Ryo Fan	22~23 / 65~67	Aug. 27, 2021

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emissions below 1GHz	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

<For Non-Beamforming Mode>

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	44
5200MHz	53
5240MHz	47
5745MHz	60
5785MHz	60
5825MHz	60
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	44
5200MHz	52
5240MHz	50
5745MHz	60
5785MHz	60
5825MHz	60
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	41
5230MHz	48
5755MHz	45
5795MHz	60
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	40
5775MHz	43

<For Beamforming Mode>

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	44
5200MHz	52
5240MHz	50
5745MHz	60
5785MHz	60
5825MHz	60
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	41
5230MHz	48
5755MHz	45
5795MHz	60
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	40
5775MHz	43

Note:
- Evaluated HEW20/HEW40/HEW80 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80 mode are the same or lower than HEW20/HEW40/HEW80.
- The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	Normal Link – AP mode (WLAN 2.4GHz + 5GHz Low Band + 5GHz High Band) + CTX (Bluetooth BR/EDR + IEEE 802.15.4) + Adapter
2	Normal Link – AP mode (WLAN 2.4GHz + 5GHz Low Band + 5GHz High Band) + CTX (Bluetooth BR/EDR + Bluetooth LE) + Adapter
For operating mode 1 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT in Z axis Normal Link – AP mode (WLAN 2.4GHz + 5GHz Low Band + 5GHz High Band) + CTX (Bluetooth BR/EDR + IEEE 802.15.4) + Adapter
2	EUT in Z axis Normal Link – AP mode (WLAN 2.4GHz + 5GHz Low Band + 5GHz High Band) + CTX (Bluetooth BR/EDR + Bluetooth LE) + Adapter
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 ~ 4 will follow this same test mode.	
3	EUT in Y axis Normal Link – AP mode (WLAN 2.4GHz + 5GHz Low Band + 5GHz High Band) + CTX (Bluetooth BR/EDR + IEEE 802.15.4) + Adapter
4	EUT in X axis Normal Link – AP mode (WLAN 2.4GHz + 5GHz Low Band + 5GHz High Band) + CTX (Bluetooth BR/EDR + IEEE 802.15.4) + Adapter
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	The EUT was performed at X axis, Y axis and Z axis position t, and the worst case was found at Z axis. So the measurement will follow this same test configuration.
	EUT in Z axis CTX

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	The EUT was performed at X axis, Y axis and Z axis position t, and the worst case was found at Z axis. So the measurement will follow this same test configuration.
1	Normal Link – AP mode (WLAN 2.4GHz + 5GHz Low Band + 5GHz High Band) + CTX (Bluetooth BR/EDR + IEEE 802.15.4) + Adapter
2	Normal Link – AP mode (WLAN 2.4GHz + 5GHz Low Band + 5GHz High Band) + CTX (Bluetooth BR/EDR + Bluetooth LE) + Adapter
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 + 5GHz Low Band + 5GHz High Band + Bluetooth BR/EDR + IEEE 802.15.4
2	WLAN 2.4GHz + 5GHz Low Band + 5GHz High Band + Bluetooth BR/EDR + Bluetooth LE
Refer to Sporton Test Report No.: FA172726 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used in Z axis position.

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter	Veea	VHC25-30A	Input: 100-240V~50/60Hz, 1.0A Max Output: 12V, 2.5A
Other			
RJ-45 cable*1: Non-shielded, 1.8m			

2.5 Support Equipment

For AC Conduction and Radiated (below 1GHz):

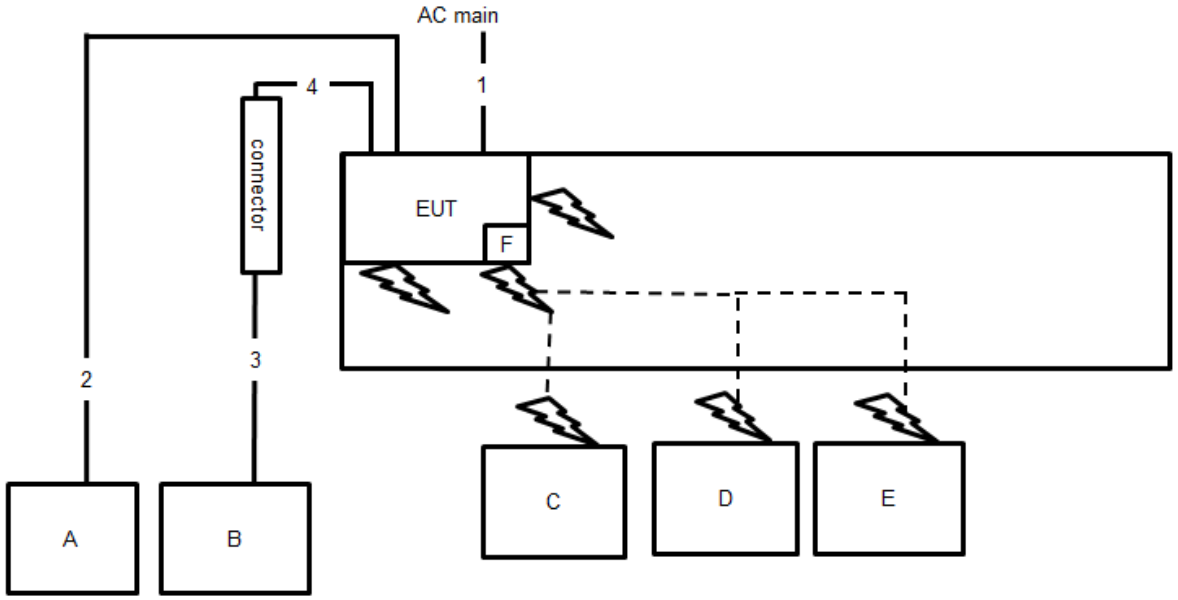
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E6430	N/A
B	WAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5GL NB	DELL	E6430	N/A
E	5GH NB	DELL	E6431	N/A
F	Micro SD Card	Transcend	TS16GUSDHC10	N/A

For Radiated (above 1GHz) and RF Conducted:

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

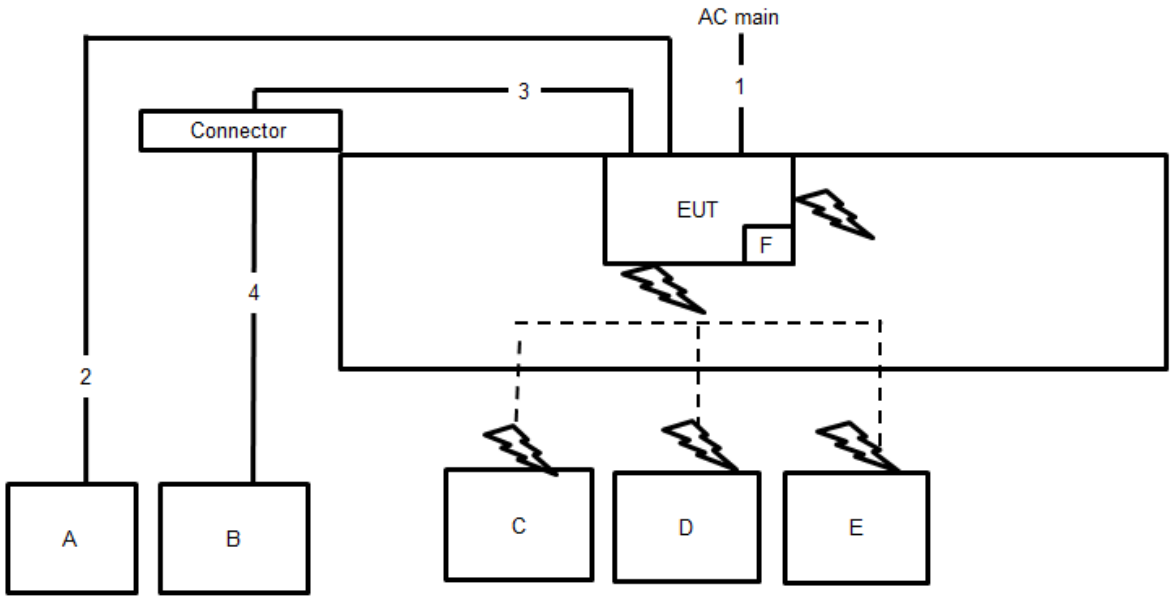
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



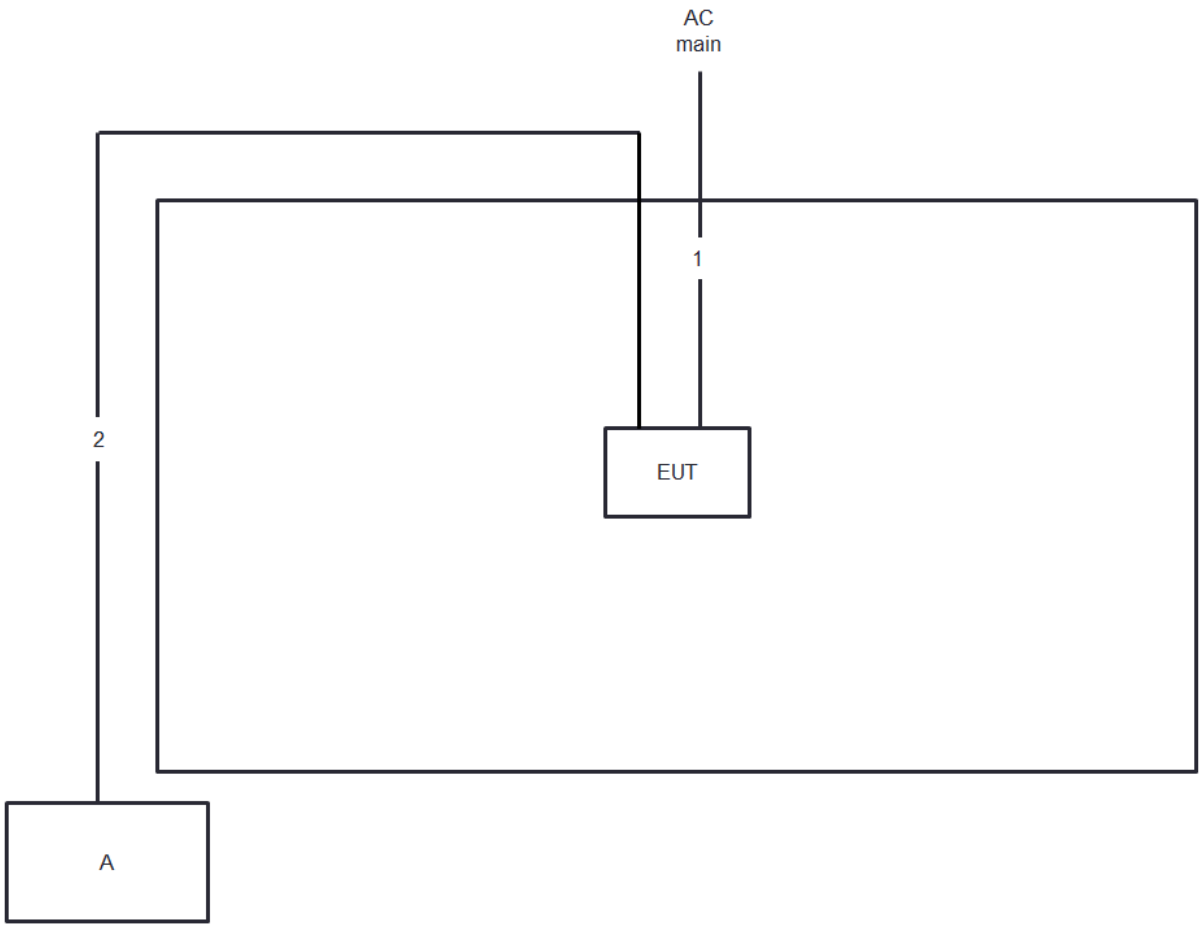
Item	Connection	Shielded	Length
1	Power cable	No	1.6m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	1.8m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.6m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.8m
4	RJ-45 cable	No	10m

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

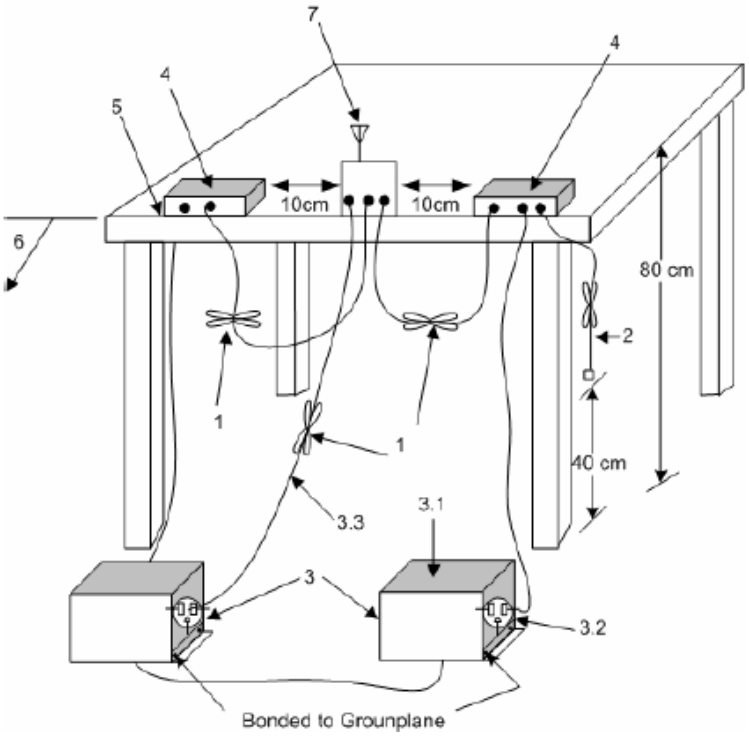
Refer a test equipment and calibration data table in this test report.

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, 6 dB emission bandwidth ≥ 500kHz.
☐	For the 5.85-5.895 GHz band, 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.

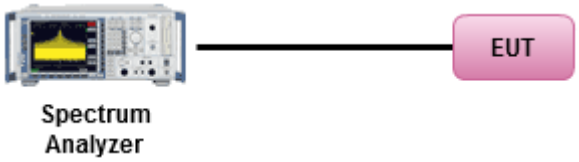
3.2.2 Measuring Instruments

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, clause C for EBW and clause D for OBW measurement.
	☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
	☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Output Power

3.3.1 Limit

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

RF Output Power (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.

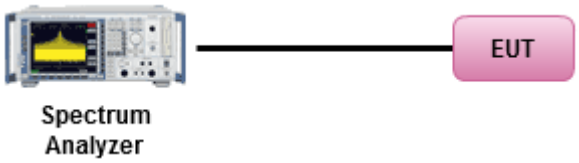
3.4.2 Measuring Instruments

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

3.4.4 Test Setup

Power Spectral Density


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).	

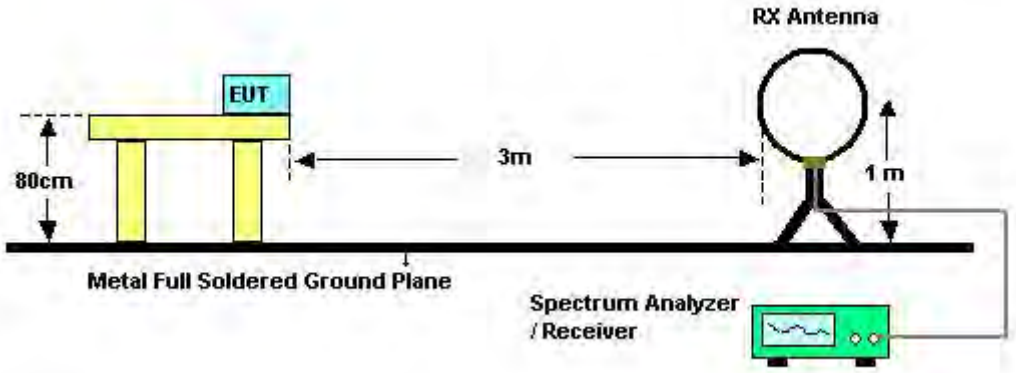
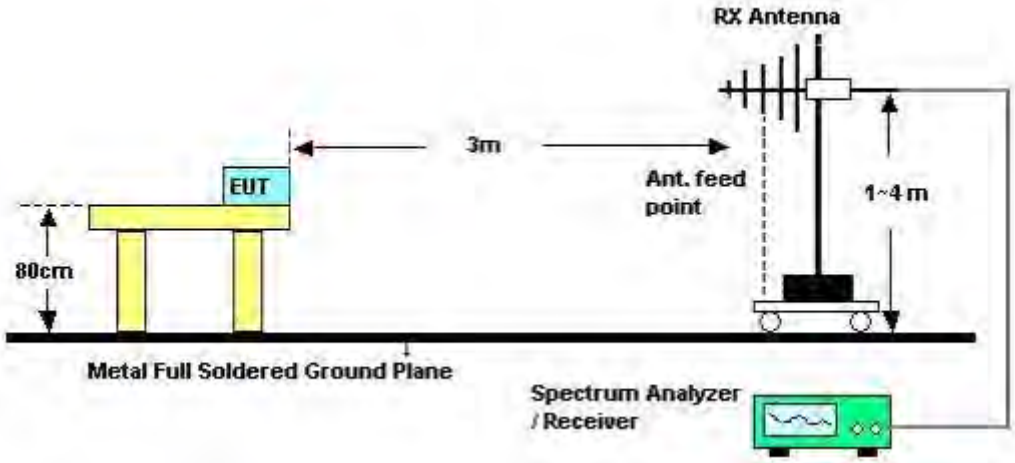
3.5.2 Measuring Instruments

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

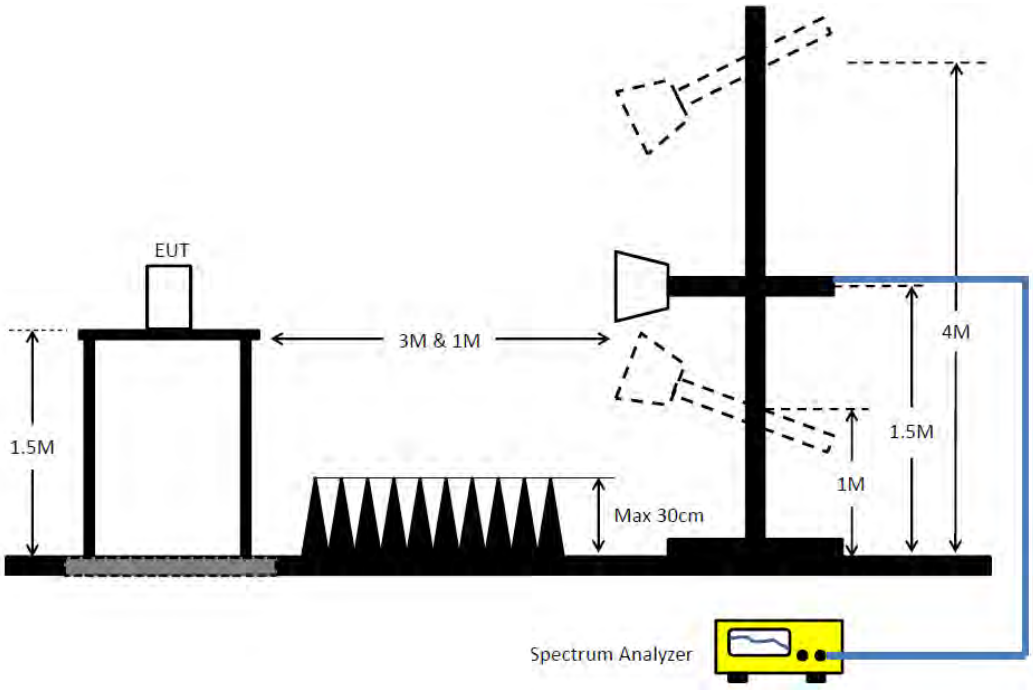
3.5.3 Test Procedures

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

3.5.4 Test Setup

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	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Jan. 06, 2021	Jan. 05, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 30, 2021	Jan. 29, 2022	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 28, 2021	Jan. 27, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
High Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
Bilog Antenna with 6dB Attenuator	Chase & EMCI	CBL6111A &N-6-06	1543 &AT-N0609	30MHz ~ 1GHz	Jul. 01, 2021	Jun. 30, 2022	Radiation (10CH01-CB)
EMI Test Receiver	Rohde&Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (10CH01-CB)
Spectrum Analyzer	Rohde&Schwarz	FSV30	101026	9kHz ~ 30GHz	Mar. 08, 2021	Mar. 07, 2022	Radiation (10CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (10CH01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (10CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 25, 2021	Feb. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 23, 2020	Oct. 22, 2021	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 18, 2021	Jun. 17, 2022	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH04-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Feb. 19, 2021	Feb. 18, 2022	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Nov. 05, 2020	Nov. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2020	Oct. 01, 2021	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Sep. 21, 2020	Sep. 20, 2021	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 18, 2021	Jun. 17, 2022	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 06, 2021	May 05, 2022	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 15, 2020	Dec. 14, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	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. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	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.

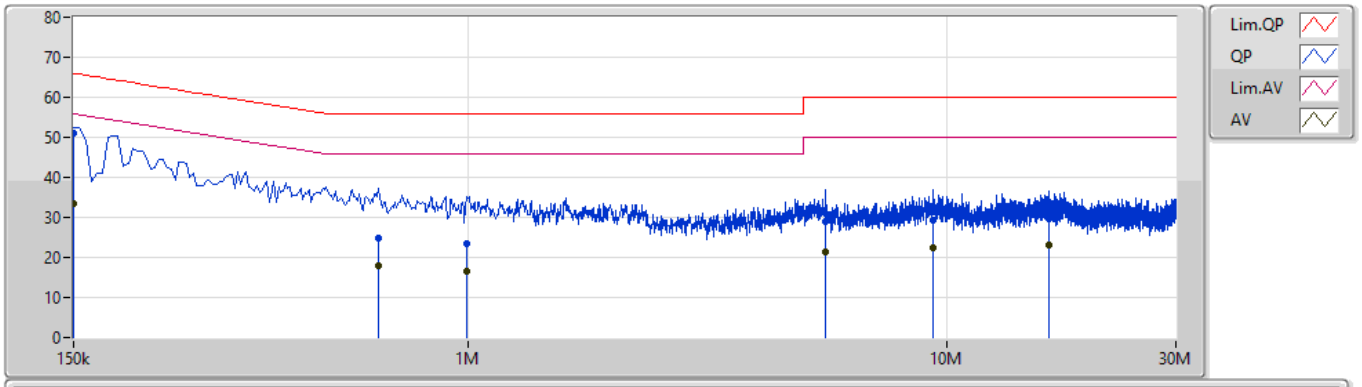
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150k	50.89	66.00	-15.11	Line

Mode 1

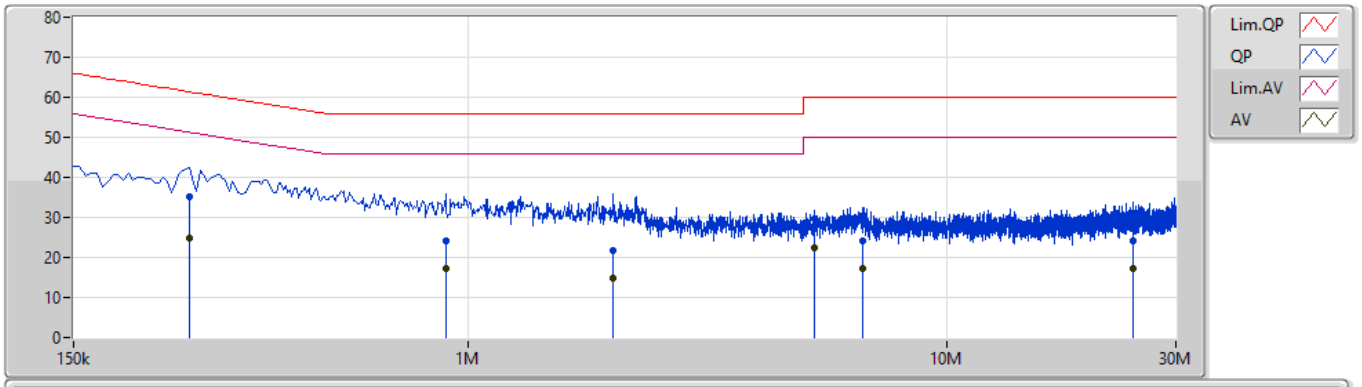
27/08/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	50.89	66.00	-15.11	9.89	Line	"Worst"	41.00	0.04	0.04	9.81
AV	150k	33.54	56.00	-22.46	9.89	Line	-	23.65	0.04	0.04	9.81
QP	649.5k	24.86	56.00	-31.14	9.92	Line	-	14.94	0.05	0.04	9.83
AV	649.5k	18.06	46.00	-27.94	9.92	Line	-	8.14	0.05	0.04	9.83
QP	996k	23.35	56.00	-32.65	9.93	Line	-	13.42	0.06	0.04	9.83
AV	996k	16.65	46.00	-29.35	9.93	Line	-	6.72	0.06	0.04	9.83
QP	5.568M	28.96	60.00	-31.04	10.17	Line	-	18.79	0.16	0.13	9.88
AV	5.568M	21.51	50.00	-28.49	10.17	Line	-	11.34	0.16	0.13	9.88
QP	9.339M	29.39	60.00	-30.61	10.27	Line	-	19.12	0.21	0.16	9.90
AV	9.339M	22.25	50.00	-27.75	10.27	Line	-	11.98	0.21	0.16	9.90
QP	16.292M	29.64	60.00	-30.36	10.41	Line	-	19.23	0.29	0.18	9.94
AV	16.292M	22.95	50.00	-27.05	10.41	Line	-	12.54	0.29	0.18	9.94

Mode 1

27/08/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	262.5k	35.06	61.35	-26.29	9.88	Neutral	"Worst"	25.18	0.03	0.04	9.81
AV	262.5k	24.88	51.35	-26.47	9.88	Neutral	-	15.00	0.03	0.04	9.81
QP	897k	24.12	56.00	-31.88	9.92	Neutral	-	14.20	0.05	0.04	9.83
AV	897k	17.31	46.00	-28.69	9.92	Neutral	-	7.39	0.05	0.04	9.83
QP	2.009M	21.67	56.00	-34.33	9.96	Neutral	-	11.71	0.07	0.07	9.82
AV	2.009M	14.72	46.00	-31.28	9.96	Neutral	-	4.76	0.07	0.07	9.82
QP	5.289M	29.72	60.00	-30.28	10.14	Neutral	-	19.58	0.13	0.13	9.88
AV	5.289M	22.33	50.00	-27.67	10.14	Neutral	-	12.19	0.13	0.13	9.88
QP	6.644M	24.20	60.00	-35.80	10.19	Neutral	-	14.01	0.16	0.14	9.89
AV	6.644M	17.11	50.00	-32.89	10.19	Neutral	-	6.92	0.16	0.14	9.89
QP	24.468M	24.08	60.00	-35.92	10.64	Neutral	-	13.44	0.36	0.27	10.01
AV	24.468M	17.24	50.00	-32.76	10.64	Neutral	-	6.60	0.36	0.27	10.01

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	43.77M	28.936M	28M9D1D	20.7M	16.582M
802.11ax HEW20_Nss1,(MCS0)_2TX	46.8M	26.237M	26M2D1D	21.99M	18.981M
802.11ax HEW40_Nss1,(MCS0)_2TX	78.12M	39.52M	39M5D1D	41.04M	37.961M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.8M	77.481M	77M5D1D	82.44M	77.481M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.29M	37.421M	37M4D1D	15.78M	36.372M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.84M	39.01M	39M0D1D	17.61M	38.201M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.92M	78.141M	78M1D1D	37.5M	43.898M
802.11ax HEW80_Nss1,(MCS0)_2TX	76.92M	90.315M	90M3D1D	76.44M	80.24M

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

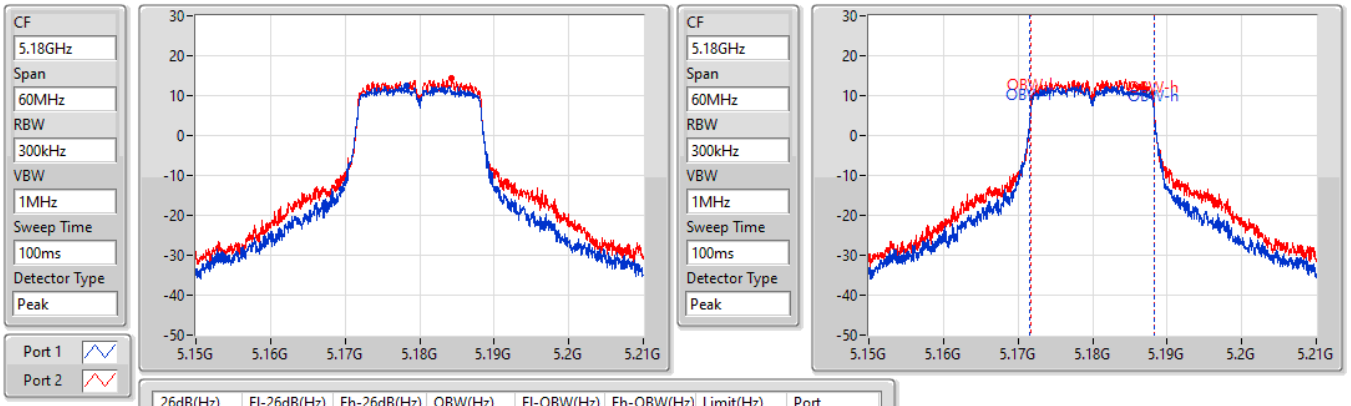
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.7M	16.642M	22.53M	16.582M
5200MHz	Pass	Inf	42.18M	27.526M	43.77M	28.936M
5240MHz	Pass	Inf	32.73M	17.091M	32.82M	17.091M
5745MHz	Pass	500k	15.81M	37.421M	16.29M	36.372M
5785MHz	Pass	500k	16.26M	37.121M	16.29M	37.121M
5825MHz	Pass	500k	15.78M	36.582M	16.29M	36.372M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.99M	18.981M	22.89M	18.981M
5200MHz	Pass	Inf	40.35M	19.88M	46.8M	26.237M
5240MHz	Pass	Inf	35.13M	19.25M	39.42M	19.94M
5745MHz	Pass	500k	18.39M	38.681M	17.61M	38.351M
5785MHz	Pass	500k	18.39M	38.681M	18.57M	39.01M
5825MHz	Pass	500k	18.84M	38.201M	18.3M	38.441M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.04M	37.961M	42.24M	38.021M
5230MHz	Pass	Inf	62.1M	38.441M	78.12M	39.52M
5755MHz	Pass	500k	37.92M	57.211M	37.68M	43.898M
5795MHz	Pass	500k	37.8M	77.421M	37.5M	78.141M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.8M	77.481M	82.44M	77.481M
5775MHz	Pass	500k	76.92M	90.315M	76.44M	80.24M

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

13/08/2021

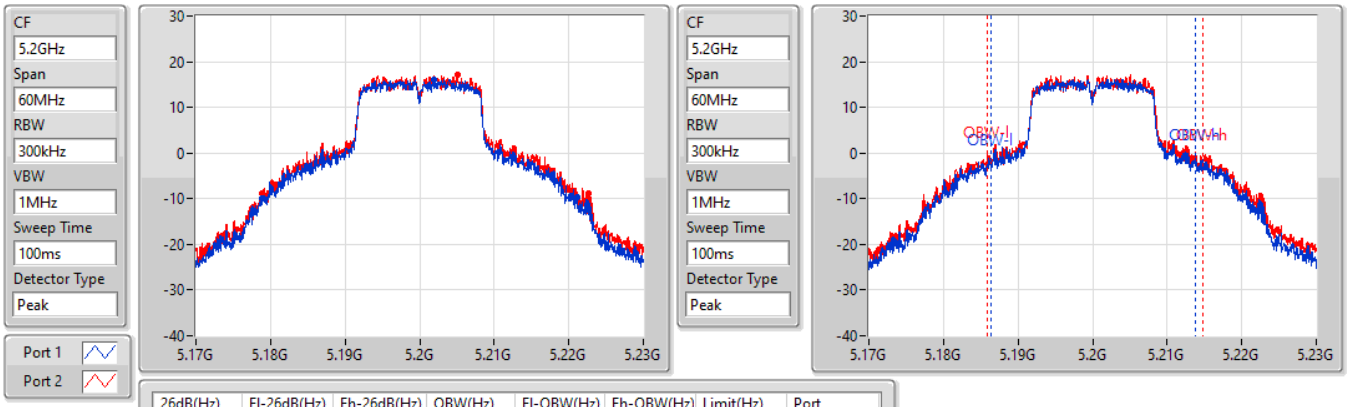


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.7M	5.16953G	5.19023G	16.642M	5.171634G	5.188276G	Inf	1
22.53M	5.16905G	5.19158G	16.582M	5.171724G	5.188306G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

13/08/2021

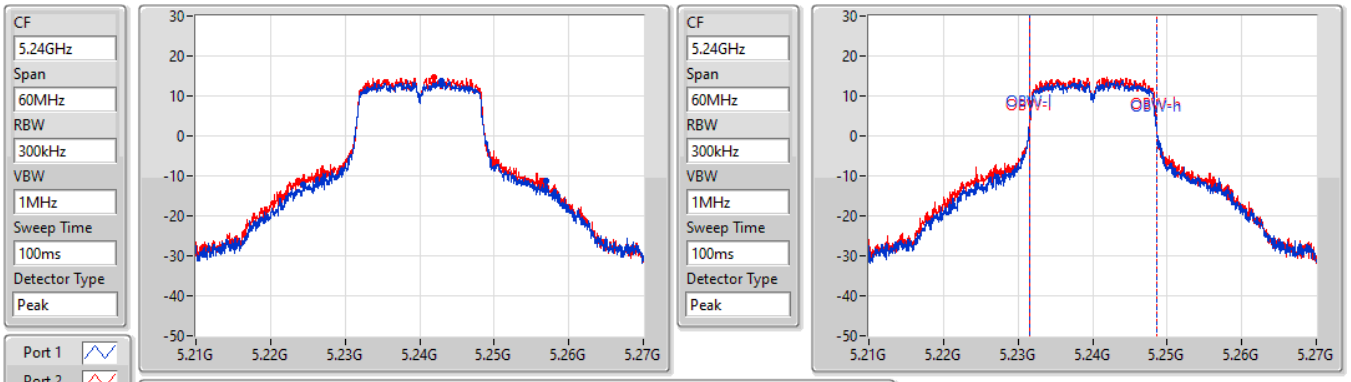


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.18M	5.17894G	5.22112G	27.526M	5.186297G	5.213823G	Inf	1
43.77M	5.17891G	5.22268G	28.936M	5.185847G	5.214783G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

13/08/2021

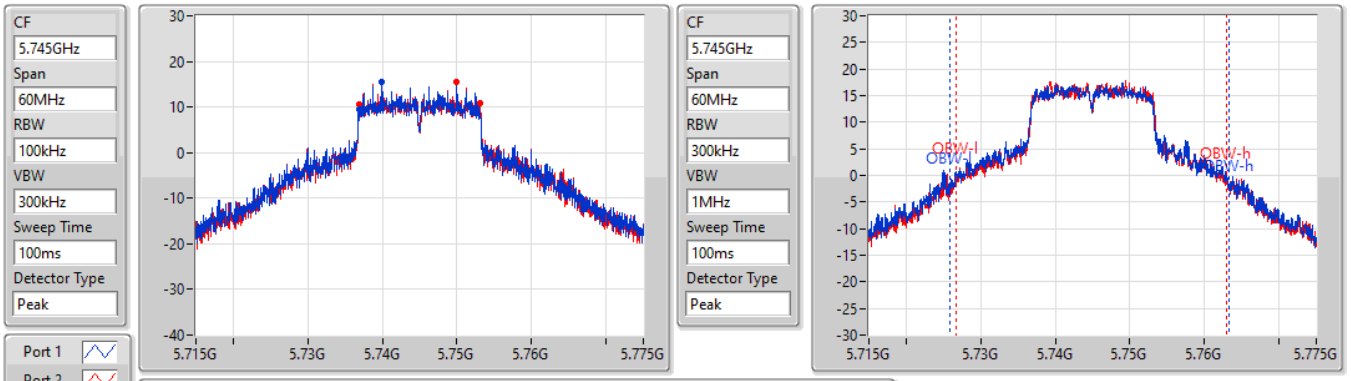


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.73M	5.22431G	5.25704G	17.091M	5.231544G	5.248636G	Inf	1
32.82M	5.22368G	5.2565G	17.091M	5.231484G	5.248576G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

14/08/2021

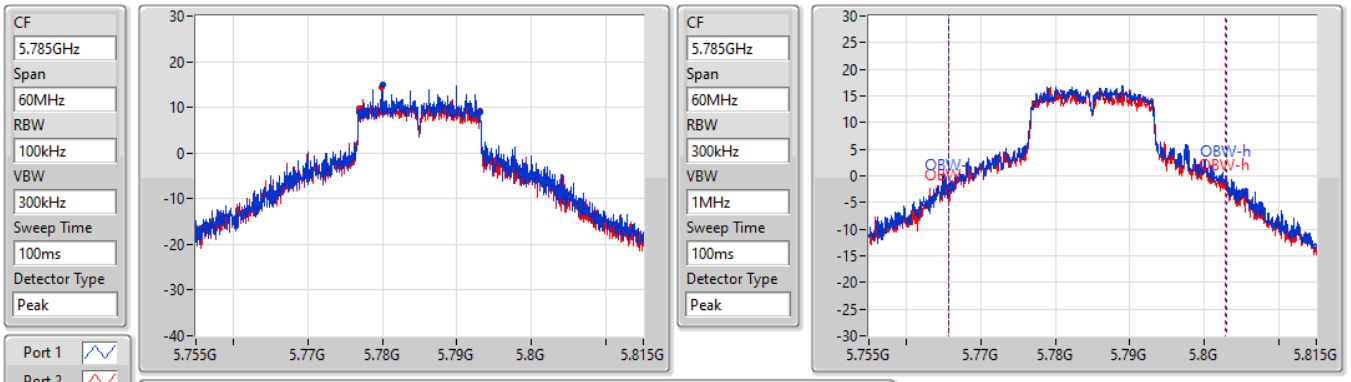


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.81M	5.73684G	5.75265G	37.421M	5.7259G	5.763321G	500k	1
16.29M	5.73684G	5.75313G	36.372M	5.726619G	5.762991G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

14/08/2021

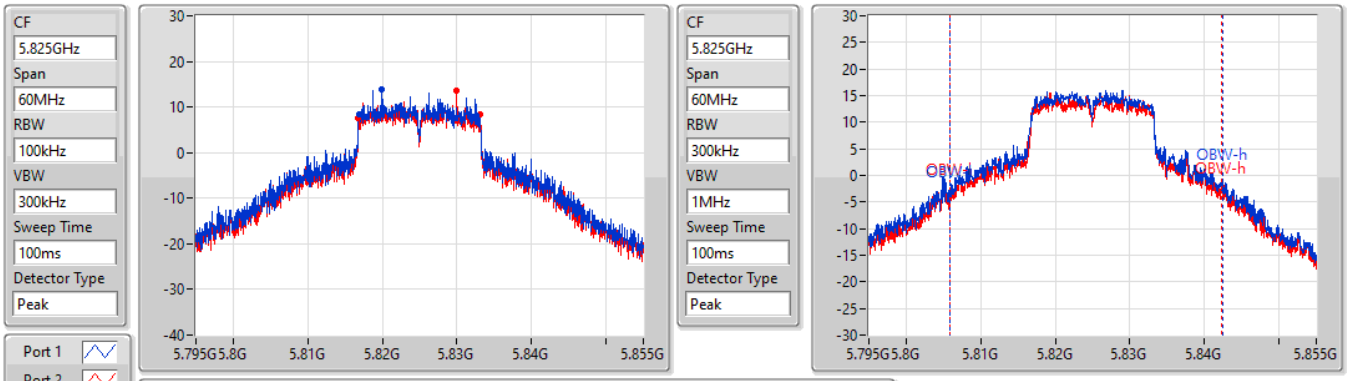


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.26M	5.77684G	5.7931G	37.121M	5.76578G	5.802901G	500k	1
16.29M	5.77684G	5.79313G	37.121M	5.76563G	5.802751G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

14/08/2021

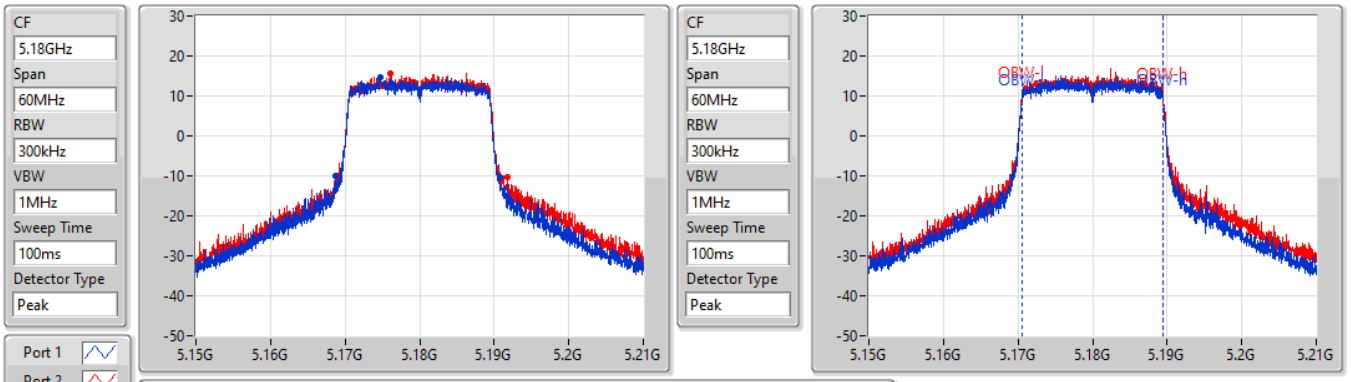


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.78M	5.81687G	5.83265G	36.582M	5.80581G	5.842391G	500k	1
16.29M	5.81681G	5.8331G	36.372M	5.8059G	5.842271G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5180MHz

13/08/2021

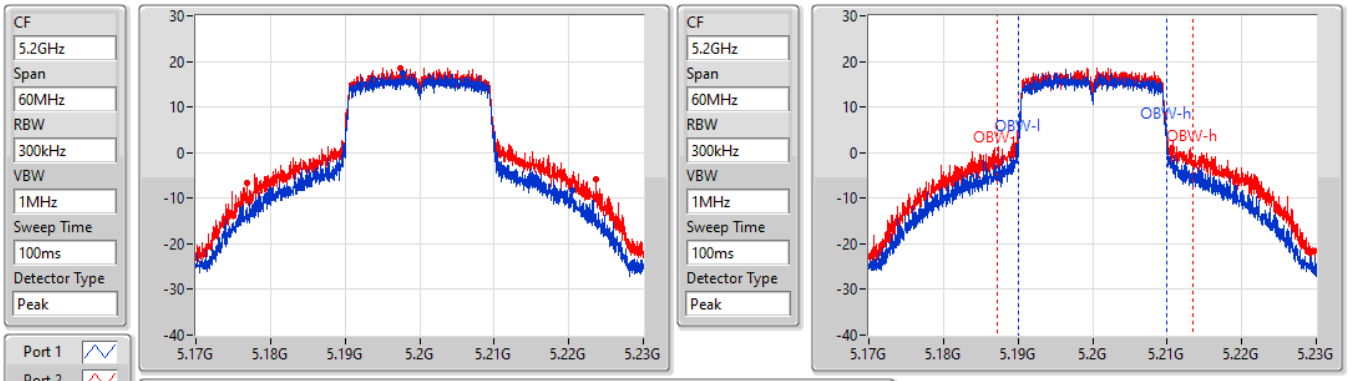


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.99M	5.16875G	5.19074G	18.981M	5.170495G	5.189475G	Inf	1
22.89M	5.1689G	5.19179G	18.981M	5.170495G	5.189475G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5200MHz

13/08/2021

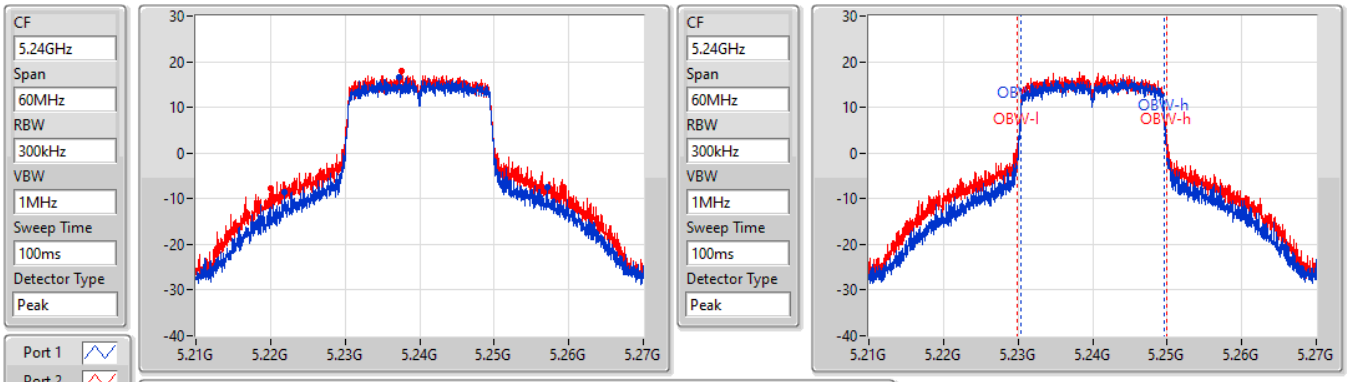


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.35M	5.18008G	5.22043G	19.88M	5.189985G	5.209865G	Inf	1
46.8M	5.1769G	5.2237G	26.237M	5.187136G	5.213373G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5240MHz

13/08/2021

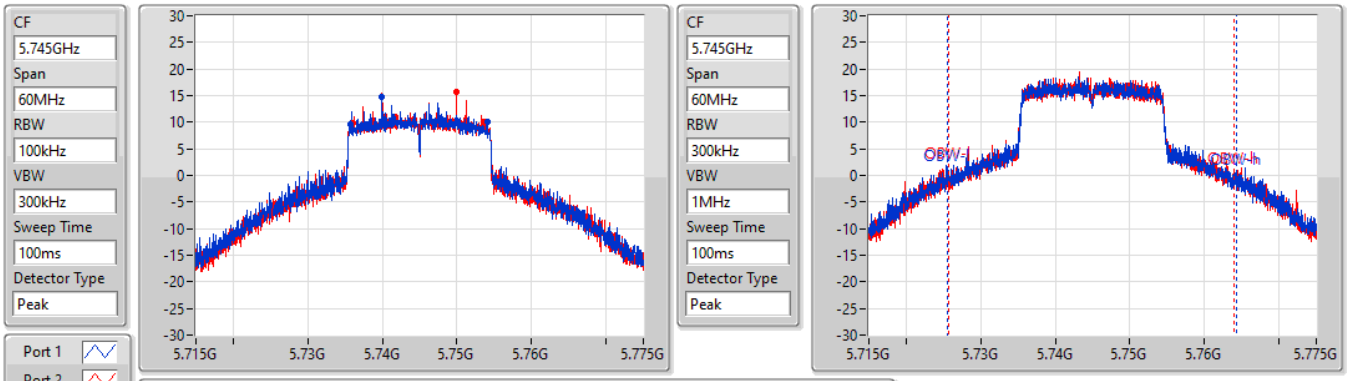


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.13M	5.22194G	5.25707G	19.25M	5.230375G	5.249625G	Inf	1
39.42M	5.21996G	5.25938G	19.94M	5.229955G	5.249895G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5745MHz

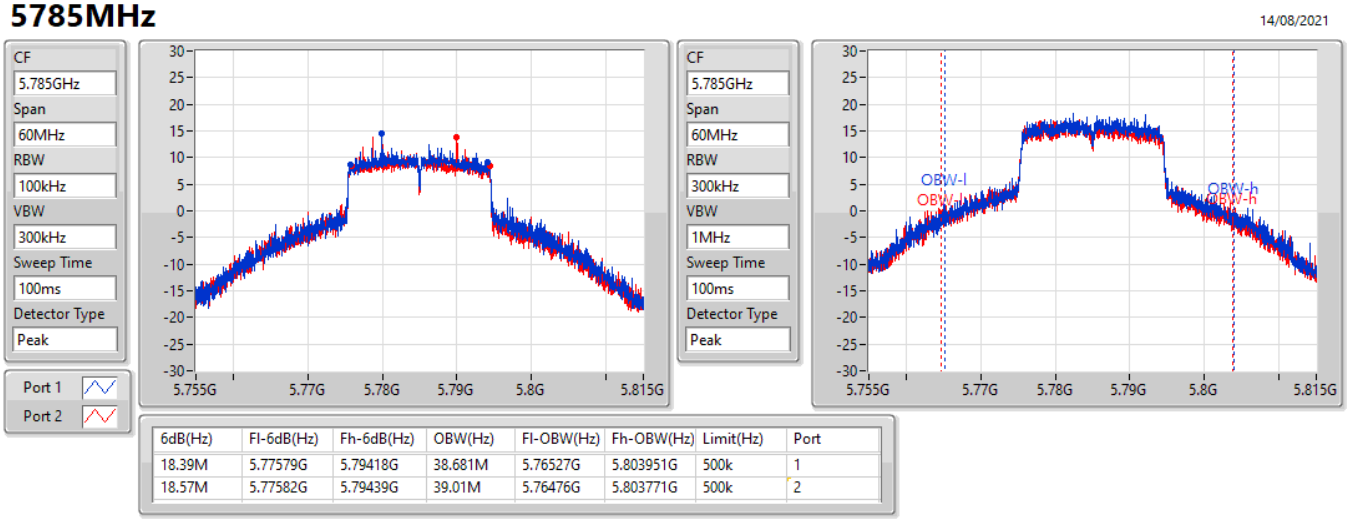
14/08/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.39M	5.73567G	5.75406G	38.681M	5.7256G	5.76428G	500k	1
17.61M	5.736G	5.75361G	38.351M	5.72569G	5.76404G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

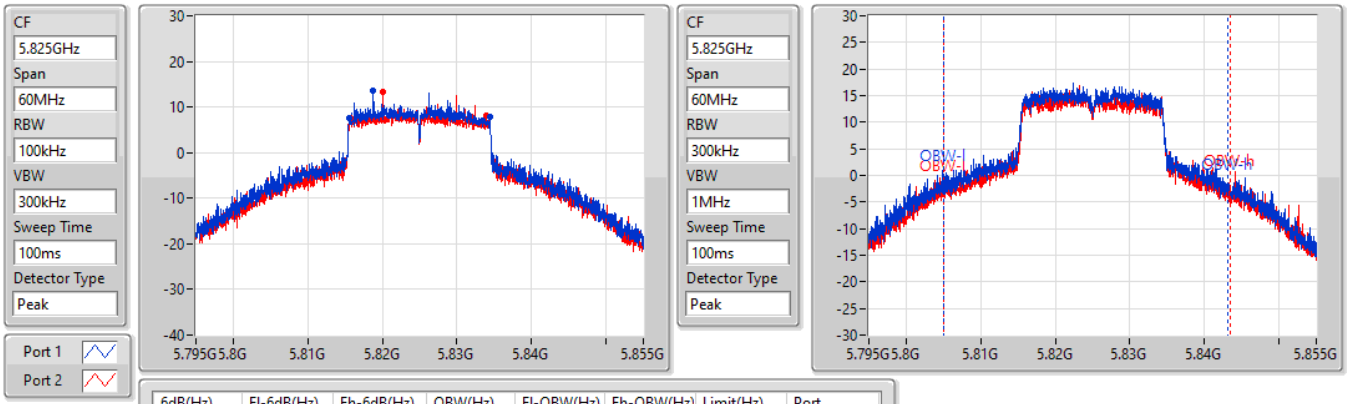
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.39M	5.77579G	5.79418G	38.681M	5.76527G	5.803951G	500k	1
18.57M	5.77582G	5.79439G	39.01M	5.76476G	5.803771G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX EBW

5825MHz

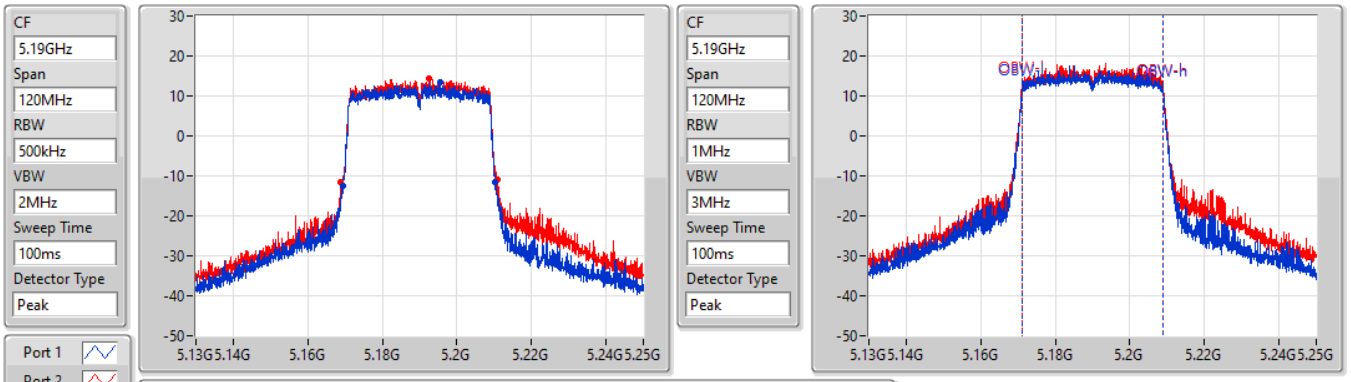


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.84M	5.81552G	5.83436G	38.201M	5.80497G	5.843171G	500k	1
18.3M	5.8157G	5.834G	38.441M	5.80506G	5.843501G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5190MHz

13/08/2021

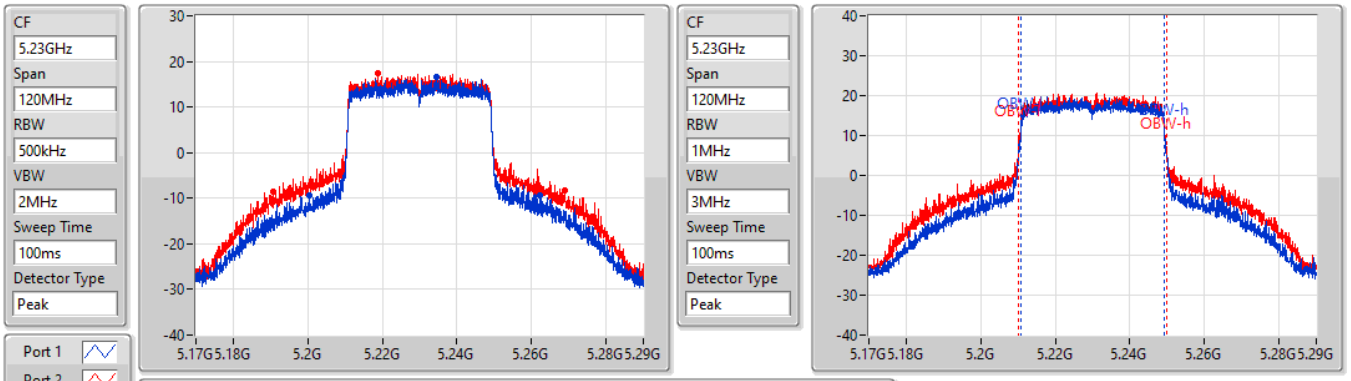


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.04M	5.1693G	5.21034G	37.961M	5.17099G	5.208951G	Inf	1
42.24M	5.1687G	5.21094G	38.021M	5.17099G	5.20901G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5230MHz

13/08/2021

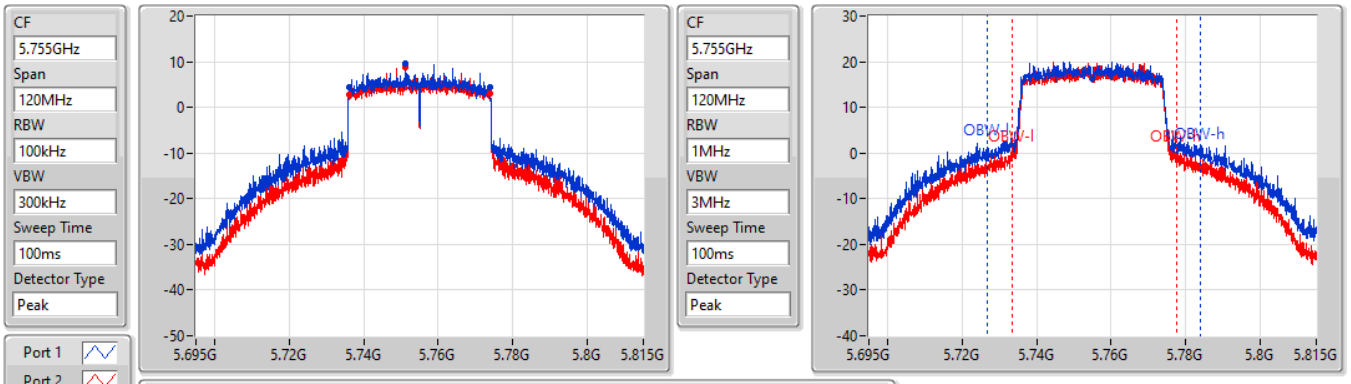


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
62.1M	5.2003G	5.2624G	38.441M	5.21081G	5.24925G	Inf	1
78.12M	5.1907G	5.26882G	39.52M	5.21027G	5.24979G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5755MHz

14/08/2021

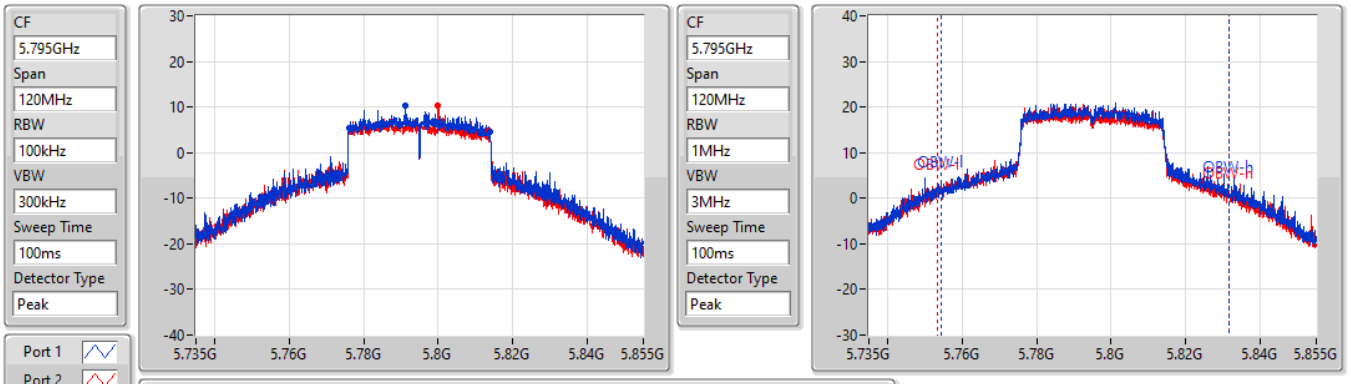


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.92M	5.73604G	5.77396G	57.211M	5.726634G	5.783846G	500k	1
37.68M	5.73622G	5.7739G	43.898M	5.733531G	5.777429G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5795MHz

14/08/2021

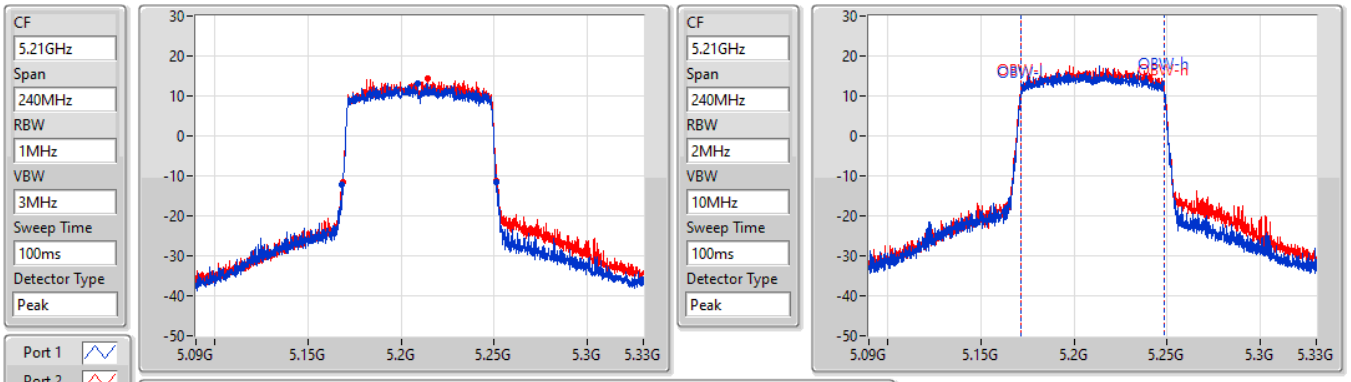


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.8M	5.77598G	5.81378G	77.421M	5.75428G	5.831702G	500k	1
37.5M	5.77598G	5.81348G	78.141M	5.753321G	5.831462G	500k	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5210MHz

13/08/2021

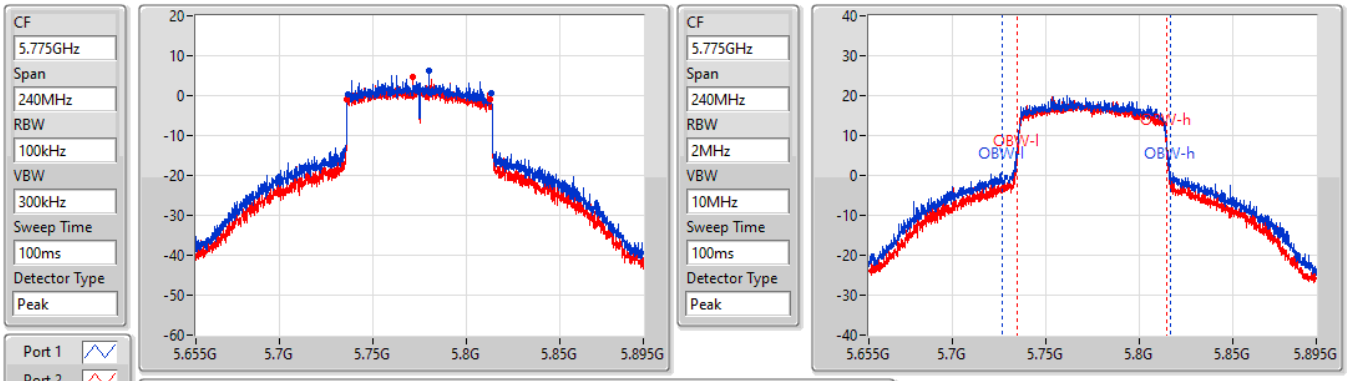


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.8M	5.16836G	5.25116G	77.481M	5.171259G	5.248741G	Inf	1
82.44M	5.1686G	5.25104G	77.481M	5.171259G	5.248741G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX EBW

5775MHz

14/08/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.92M	5.73648G	5.8134G	90.315M	5.726784G	5.817099G	500k	1
76.44M	5.73612G	5.81256G	80.24M	5.73434G	5.81458G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	28.04	0.63680
802.11ax HEW20_Nss1,(MCS0)_2TX	28.12	0.64863
802.11ax HEW40_Nss1,(MCS0)_2TX	26.90	0.48978
802.11ax HEW80_Nss1,(MCS0)_2TX	23.18	0.20797
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	28.56	0.71779
802.11ax HEW20_Nss1,(MCS0)_2TX	28.47	0.70307
802.11ax HEW40_Nss1,(MCS0)_2TX	27.51	0.56364
802.11ax HEW80_Nss1,(MCS0)_2TX	25.46	0.35156

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.60	21.30	22.30	24.84	30.00
5200MHz	Pass	3.60	24.75	25.29	28.04	30.00
5240MHz	Pass	3.60	22.30	22.90	25.62	30.00
5745MHz	Pass	3.40	25.53	25.56	28.56	30.00
5785MHz	Pass	3.40	25.02	24.45	27.75	30.00
5825MHz	Pass	3.40	24.01	23.14	26.61	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.60	21.59	22.40	25.02	30.00
5200MHz	Pass	3.60	24.60	25.56	28.12	30.00
5240MHz	Pass	3.60	23.58	24.39	27.01	30.00
5745MHz	Pass	3.40	25.42	25.49	28.47	30.00
5785MHz	Pass	3.40	24.98	24.41	27.71	30.00
5825MHz	Pass	3.40	23.99	23.13	26.59	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.60	20.20	21.23	23.76	30.00
5230MHz	Pass	3.60	23.33	24.39	26.90	30.00
5755MHz	Pass	3.40	23.88	23.16	26.55	30.00
5795MHz	Pass	3.40	24.83	24.14	27.51	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	3.60	19.79	20.52	23.18	30.00
5775MHz	Pass	3.40	22.83	22.04	25.46	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	28.12	0.64863
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	26.90	0.48978
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	23.18	0.20797
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	28.47	0.70307
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	27.51	0.56364
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	25.46	0.35156

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.56	21.59	22.4	25.02	29.44
5200MHz	Pass	6.56	24.6	25.56	28.12	29.44
5240MHz	Pass	6.56	23.58	24.39	27.01	29.44
5745MHz	Pass	6.36	25.42	25.49	28.47	29.64
5785MHz	Pass	6.36	24.98	24.41	27.71	29.64
5825MHz	Pass	6.36	23.99	23.13	26.59	29.64
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.56	20.2	21.23	23.76	29.44
5230MHz	Pass	6.56	23.33	24.39	26.90	29.44
5755MHz	Pass	6.36	23.88	23.16	26.55	29.64
5795MHz	Pass	6.36	24.83	24.14	27.51	29.64
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.56	19.79	20.52	23.18	29.44
5775MHz	Pass	6.36	22.83	22.04	25.46	29.64

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	15.05
802.11ax HEW20_Nss1,(MCS0)_2TX	14.60
802.11ax HEW40_Nss1,(MCS0)_2TX	10.55
802.11ax HEW80_Nss1,(MCS0)_2TX	3.90
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	14.08
802.11ax HEW20_Nss1,(MCS0)_2TX	13.35
802.11ax HEW40_Nss1,(MCS0)_2TX	9.50
802.11ax HEW80_Nss1,(MCS0)_2TX	4.78

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

Result

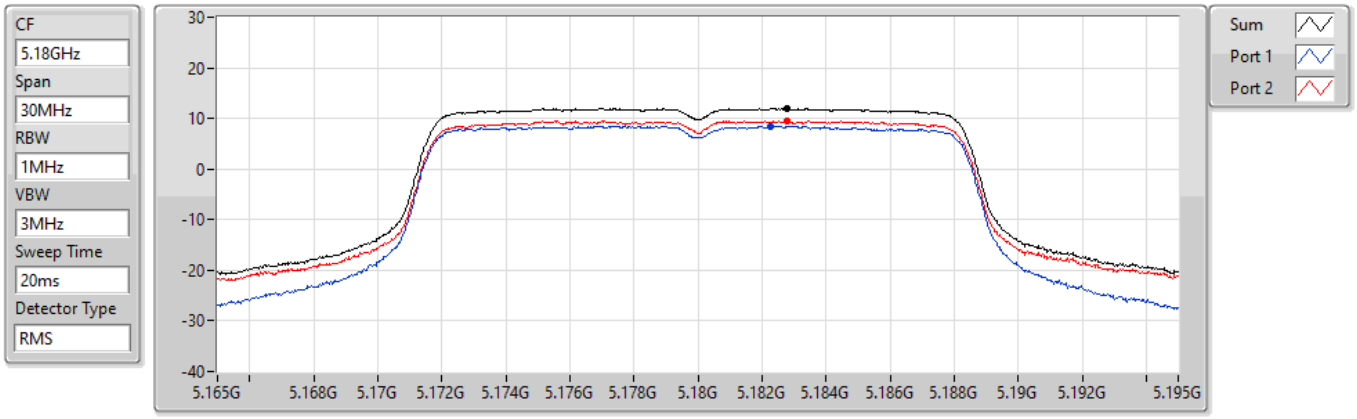
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.56	8.52	9.56	11.98	16.44
5200MHz	Pass	6.56	11.94	12.30	15.05	16.44
5240MHz	Pass	6.56	9.77	10.12	12.88	16.44
5745MHz	Pass	6.36	11.22	11.08	14.08	29.64
5785MHz	Pass	6.36	10.57	10.09	13.30	29.64
5825MHz	Pass	6.36	9.82	8.78	12.29	29.64
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.56	8.29	9.11	11.64	16.44
5200MHz	Pass	6.56	11.17	12.14	14.60	16.44
5240MHz	Pass	6.56	10.17	11.08	13.61	16.44
5745MHz	Pass	6.36	10.37	10.54	13.35	29.64
5785MHz	Pass	6.36	9.79	9.43	12.54	29.64
5825MHz	Pass	6.36	8.94	8.26	11.49	29.64
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.56	3.95	5.11	7.46	16.44
5230MHz	Pass	6.56	7.00	8.13	10.55	16.44
5755MHz	Pass	6.36	6.03	5.37	8.68	29.64
5795MHz	Pass	6.36	6.99	6.20	9.50	29.64
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.56	0.51	1.46	3.90	16.44
5775MHz	Pass	6.36	2.12	1.57	4.78	29.64

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

13/08/2021

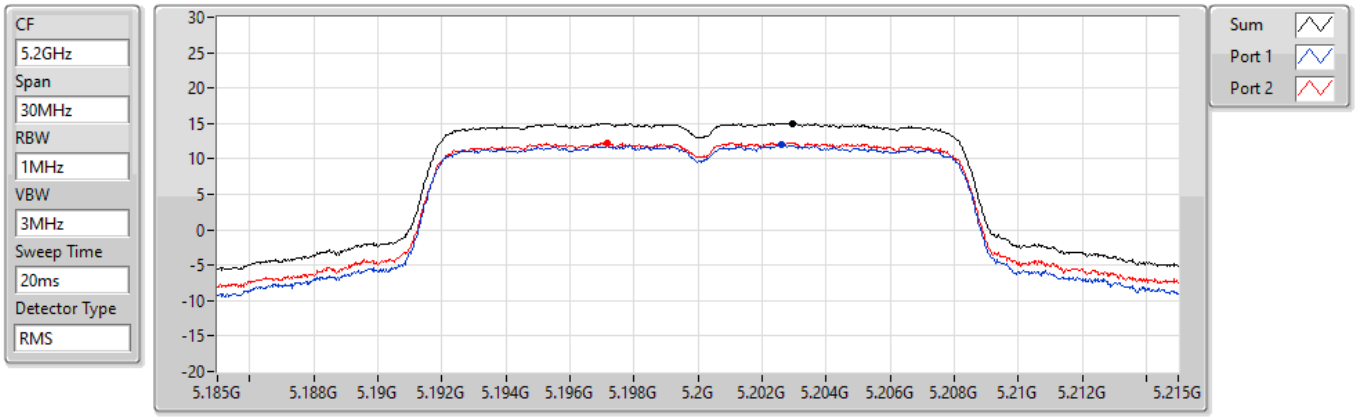


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.98	11.98	8.52	9.56

802.11a_Nss1,(6Mbps)_2TX PSD

5200MHz

13/08/2021



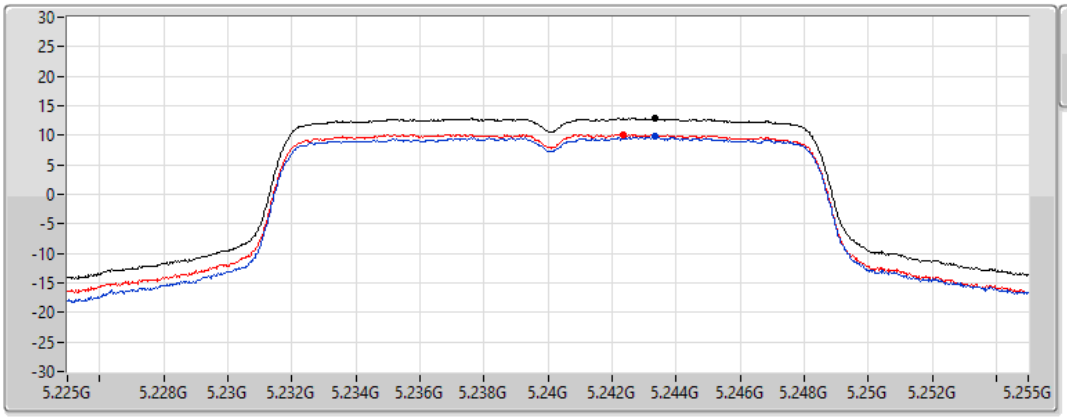
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.05	15.05	11.94	12.30

802.11a_Nss1,(6Mbps)_2TX PSD

5240MHz

13/08/2021

CF	5.24GHz
Span	30MHz
RBW	1MHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS



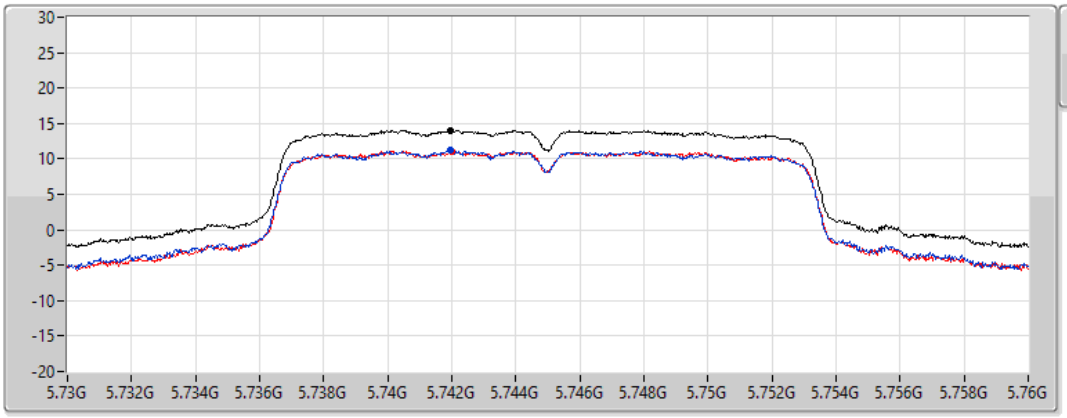
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.88	12.88	9.77	10.12

802.11a_Nss1,(6Mbps)_2TX PSD

5745MHz

14/08/2021

CF	5.745GHz
Span	30MHz
RBW	500kHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS



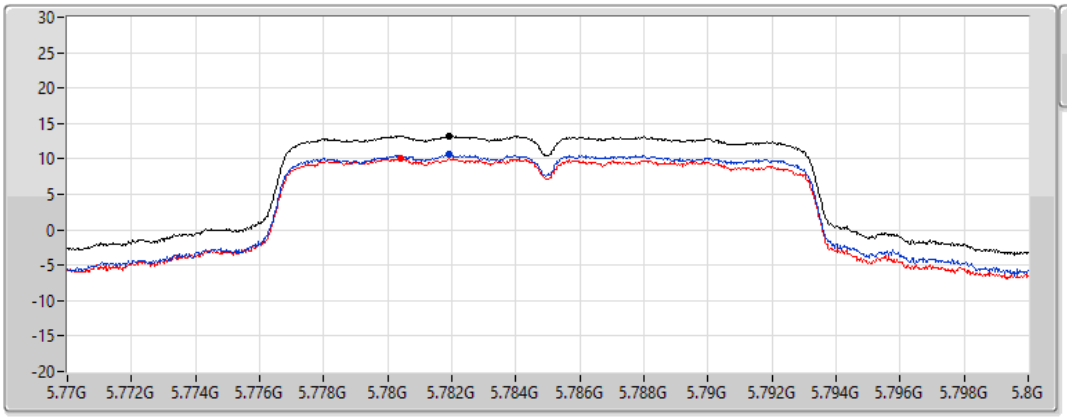
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.08	14.08	11.22	11.08

802.11a_Nss1,(6Mbps)_2TX PSD

5785MHz

14/08/2021

CF	5.785GHz
Span	30MHz
RBW	500kHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS



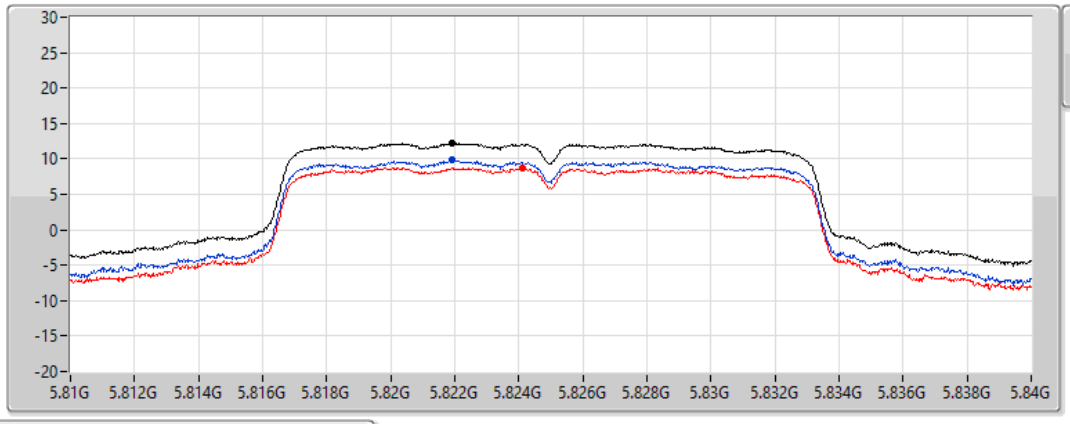
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.30	13.30	10.57	10.09

802.11a_Nss1,(6Mbps)_2TX PSD

5825MHz

14/08/2021

CF	5.825GHz
Span	30MHz
RBW	500kHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS

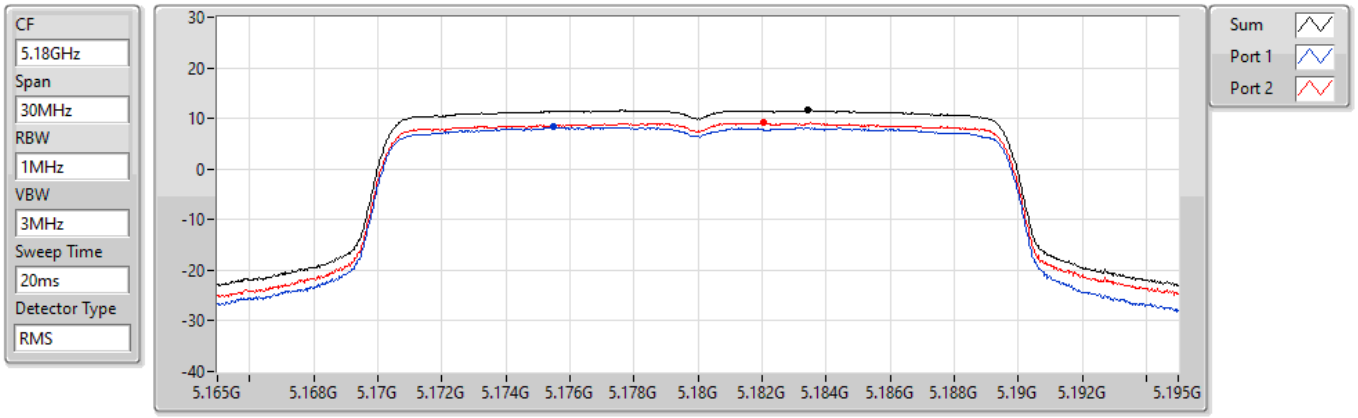


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.29	12.29	9.82	8.78

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

5180MHz

13/08/2021

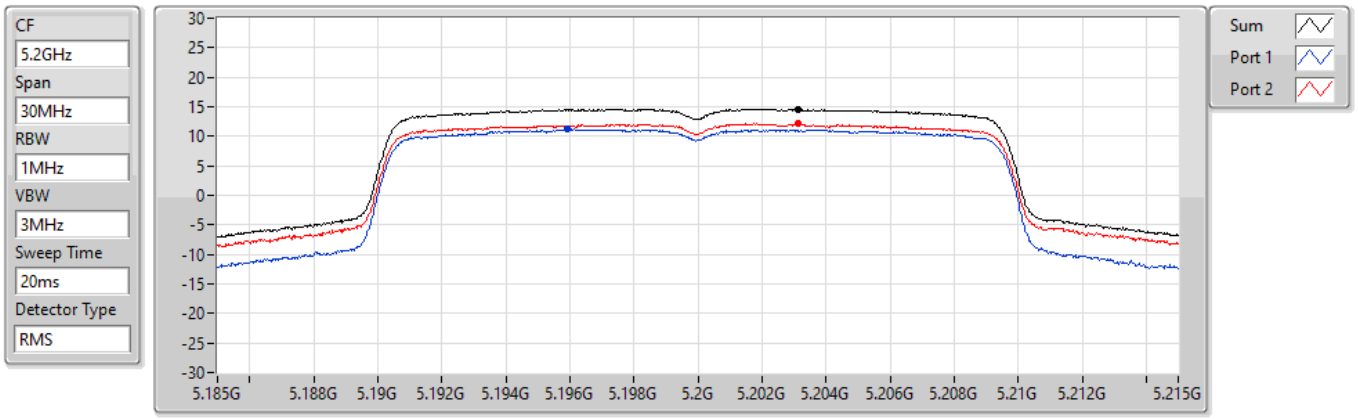


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.64	11.64	8.29	9.11

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

5200MHz

13/08/2021

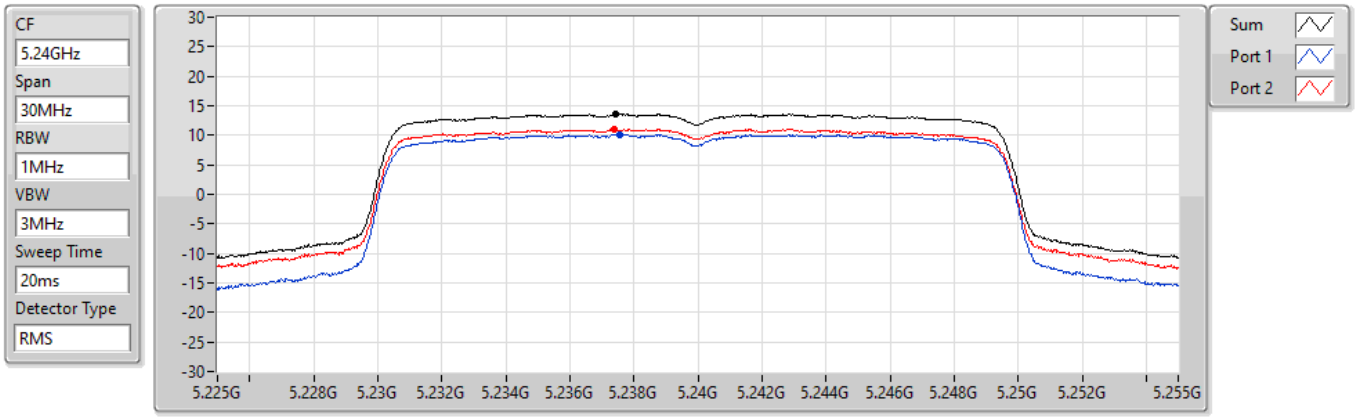


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.60	14.60	11.17	12.14

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

5240MHz

13/08/2021

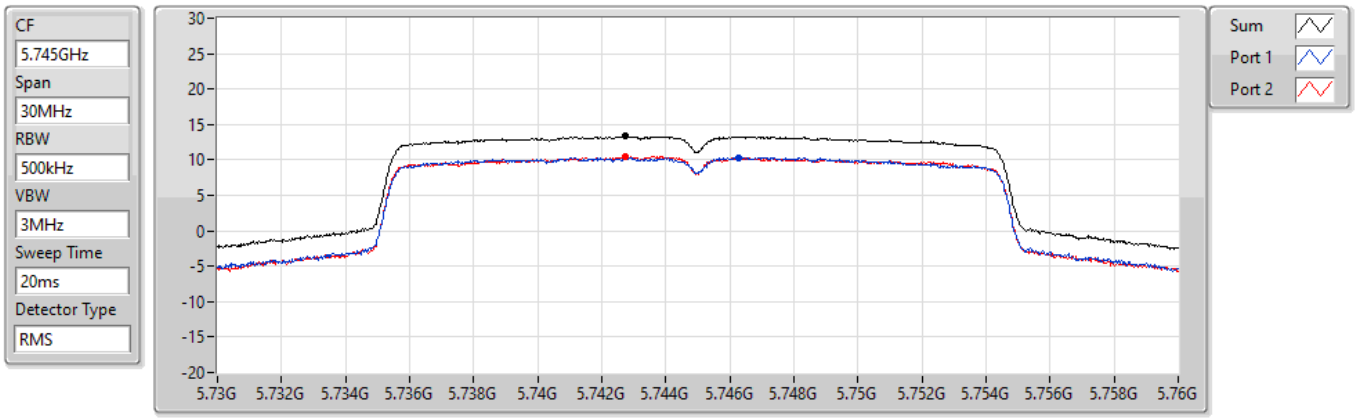


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.61	13.61	10.17	11.08

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

5745MHz

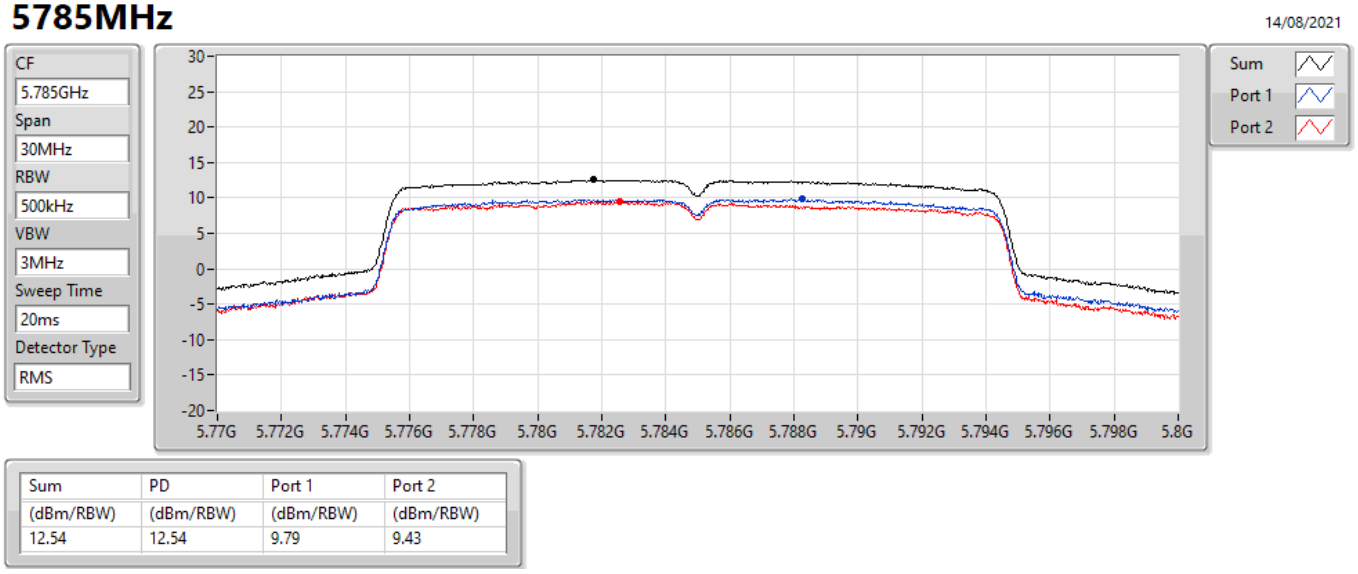
14/08/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.35	13.35	10.37	10.54

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

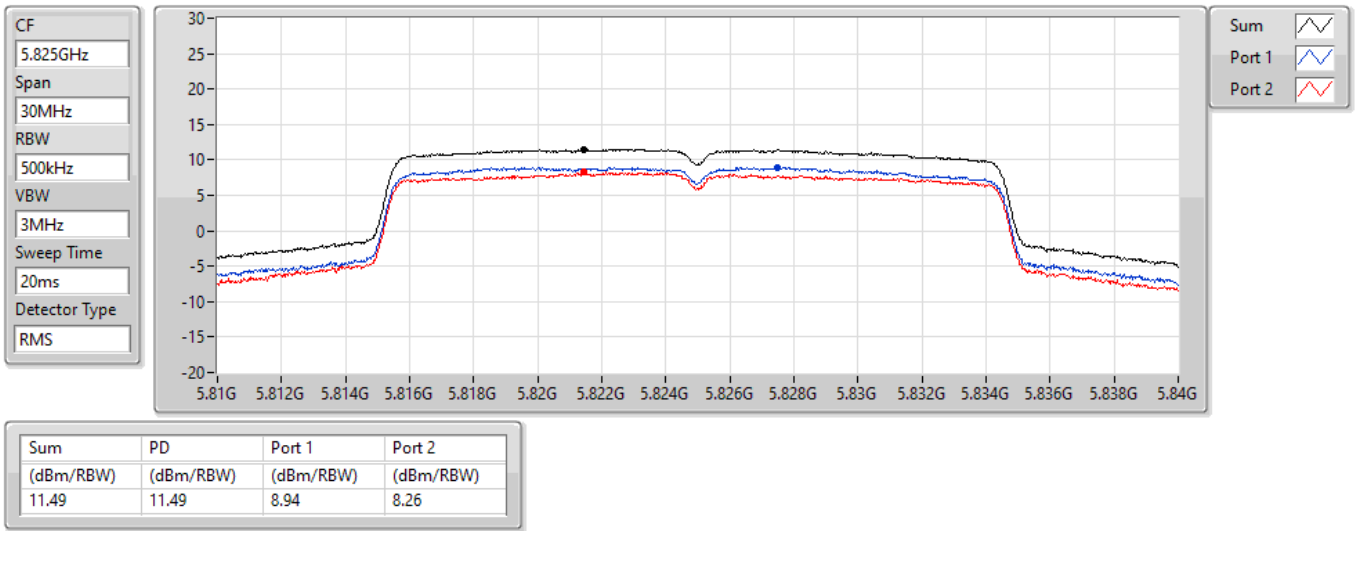
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.54	12.54	9.79	9.43

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

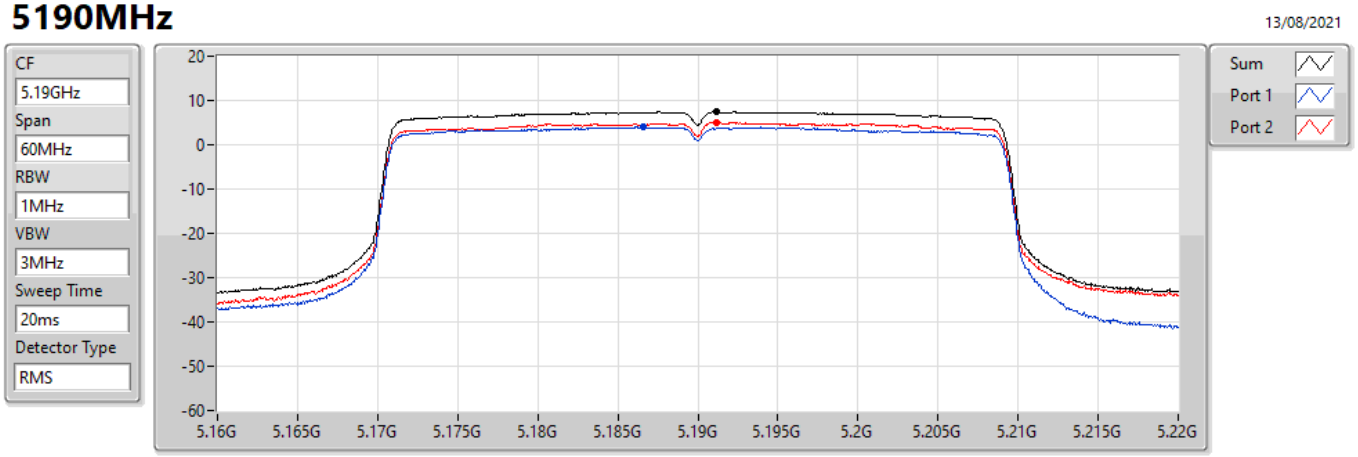
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.49	11.49	8.94	8.26

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

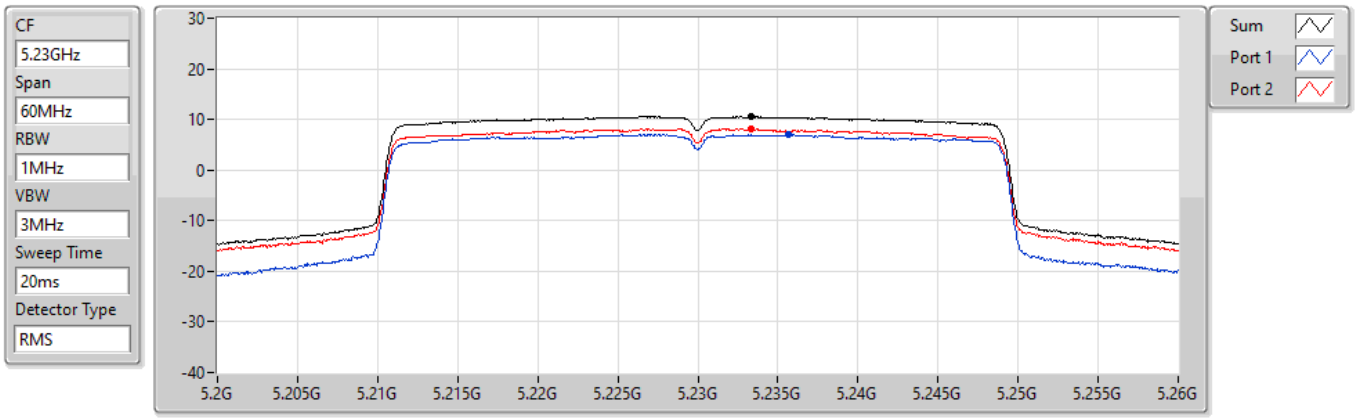
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.46	7.46	3.95	5.11

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

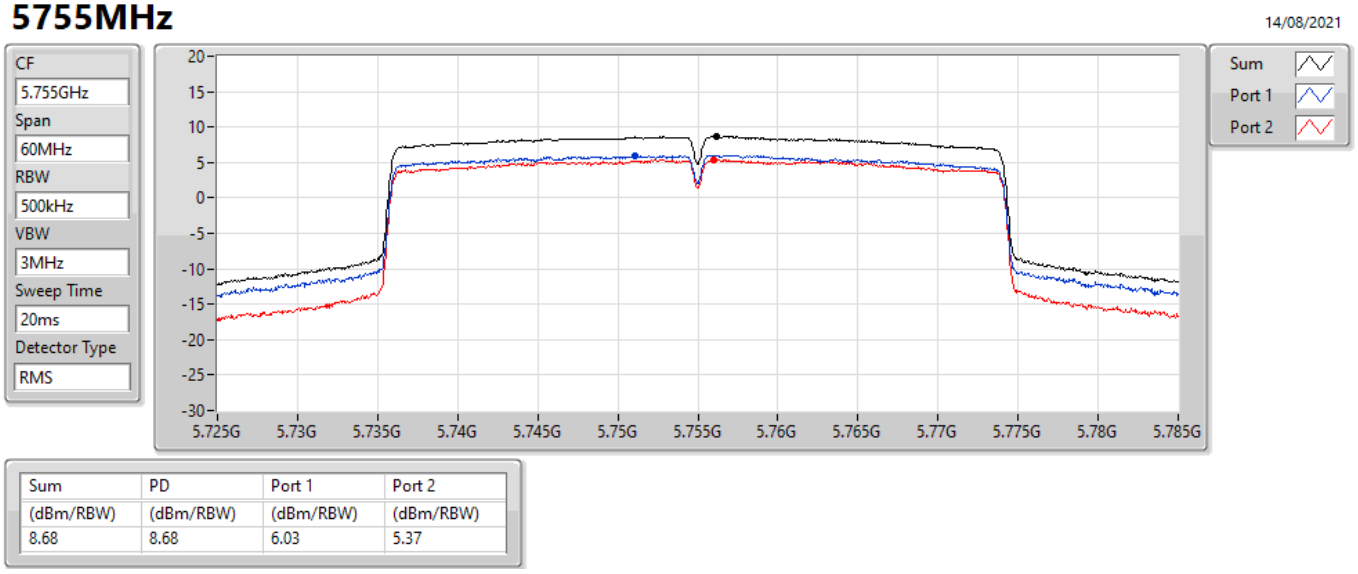
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.55	10.55	7.00	8.13

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

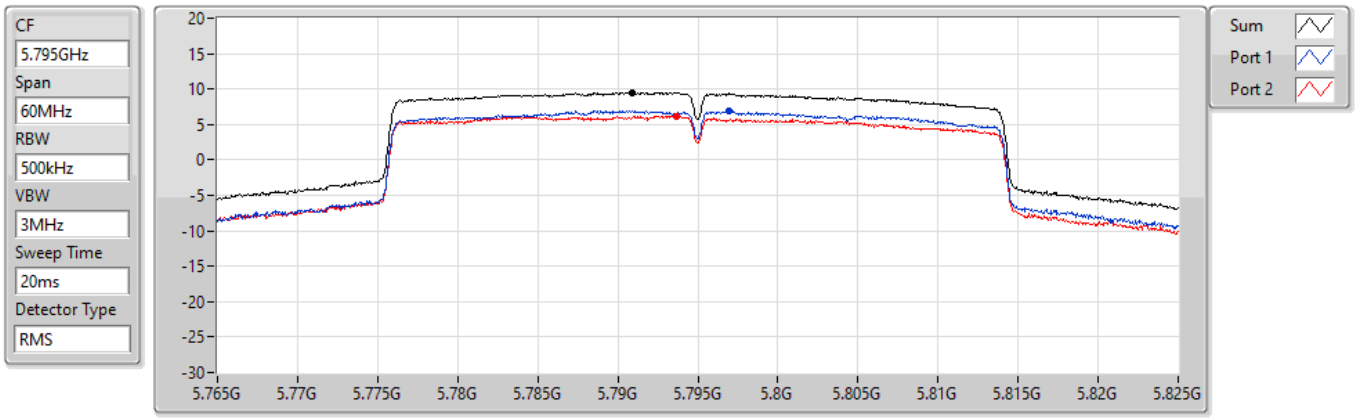
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.68	8.68	6.03	5.37

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

5795MHz



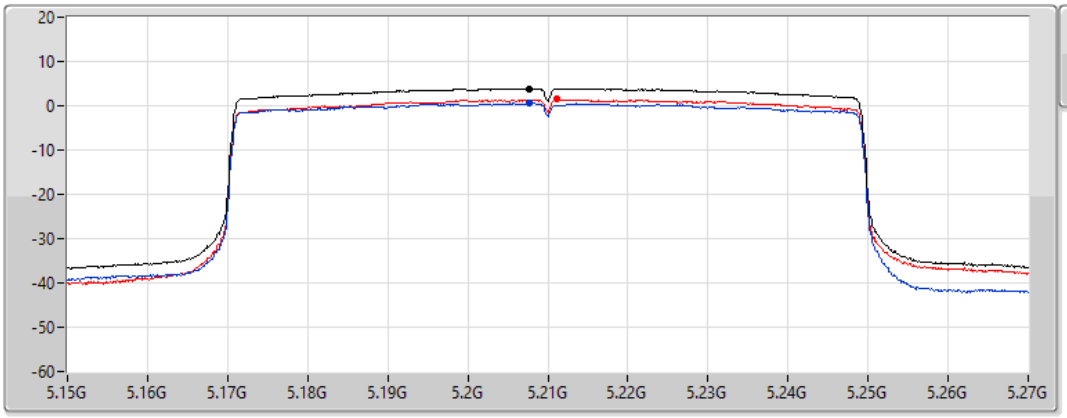
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.50	9.50	6.99	6.20

802.11ax HEW80_Nss1,(MCS0)_2TX PSD

5210MHz

13/08/2021

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



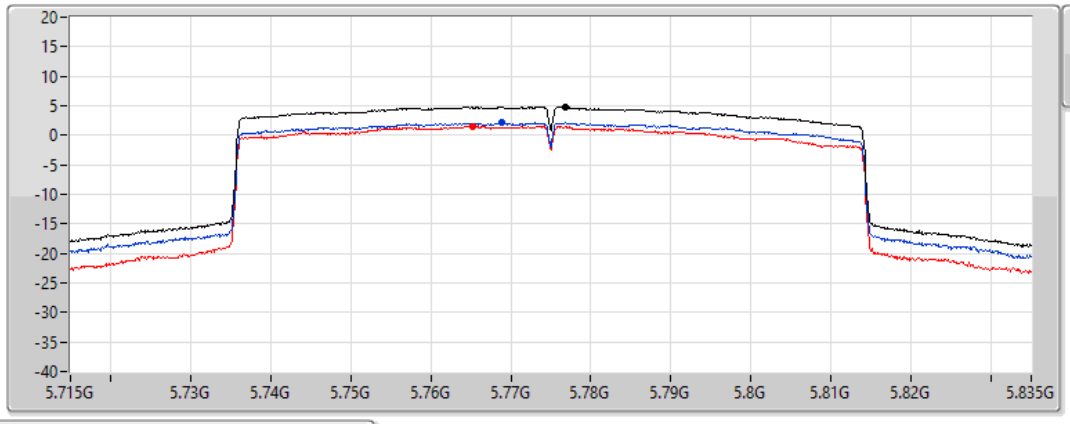
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.90	3.90	0.51	1.46

802.11ax HEW80_Nss1,(MCS0)_2TX PSD

5775MHz

14/08/2021

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



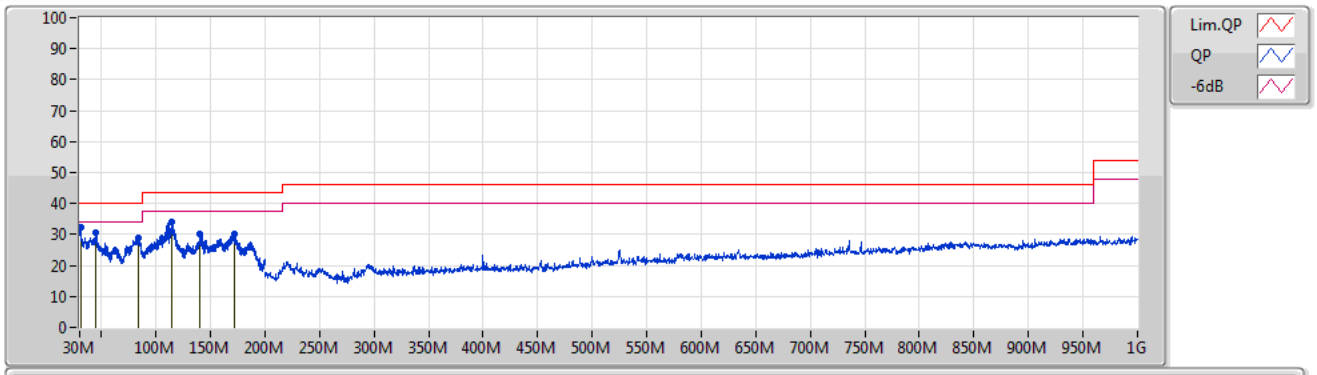
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.78	4.78	2.12	1.57

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	30.68M	32.24	40.00	-7.76	Vertical

Mode 1

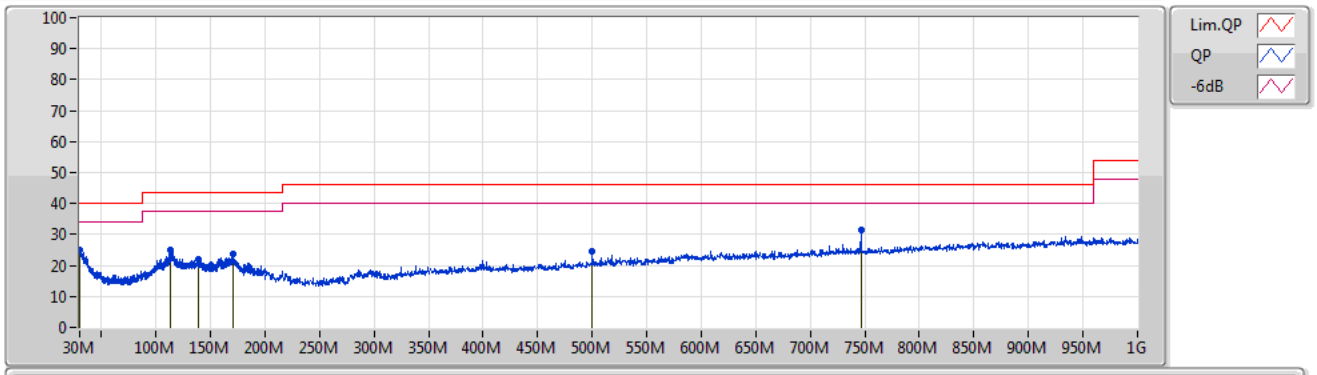
30/08/2021



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	30.68M	32.24	40.00	-7.76	-3.26	3	Vertical	300	1.00	"Worst"	35.50	23.60	1.03	27.89
PK	45.05M	30.70	40.00	-9.30	-10.66	3	Vertical	293	1.00	-	41.36	15.87	1.40	27.93
PK	84.32M	28.84	40.00	-11.16	-12.11	3	Vertical	32	2.00	-	40.95	13.55	2.19	27.85
PK	113.9M	33.94	43.50	-9.56	-7.00	3	Vertical	246	1.00	-	40.94	18.08	2.61	27.69
PK	140.33M	30.36	43.50	-13.14	-7.42	3	Vertical	36	1.00	-	37.78	17.12	3.00	27.54
PK	172.46M	30.33	43.50	-13.17	-8.48	3	Vertical	48	4.00	-	38.81	15.56	3.39	27.43

Mode 1

30/08/2021



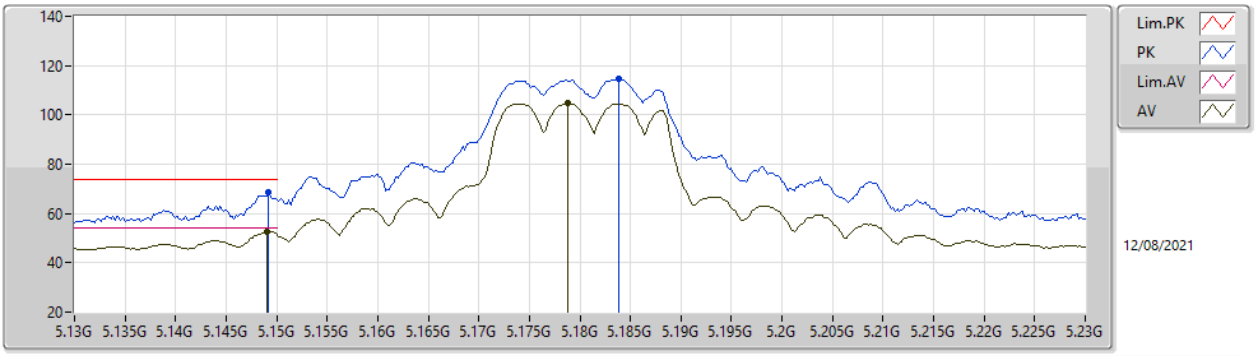
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30.17M	24.88	40.00	-15.12	-3.13	3	Horizontal	255	1.00	-	28.01	23.74	1.01	27.88
PK	112.71M	24.91	43.50	-18.59	-7.08	3	Horizontal	331	2.00	-	31.99	18.03	2.59	27.70
PK	138.89M	22.07	43.50	-21.43	-7.35	3	Horizontal	1	1.00	-	29.42	17.22	2.98	27.55
PK	171.1M	23.62	43.50	-19.88	-8.46	3	Horizontal	8	1.00	-	32.08	15.61	3.37	27.44
PK	500M	24.53	46.00	-21.47	-5.58	3	Horizontal	342	2.00	-	30.11	17.52	4.80	27.90
PK	746.4M	31.28	46.00	-14.72	-1.20	3	Horizontal	55	1.00	"Worst"	32.48	20.41	5.99	27.60

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	5.1478G	53.98	54.00	-0.02	3	Horizontal	146	2.76	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

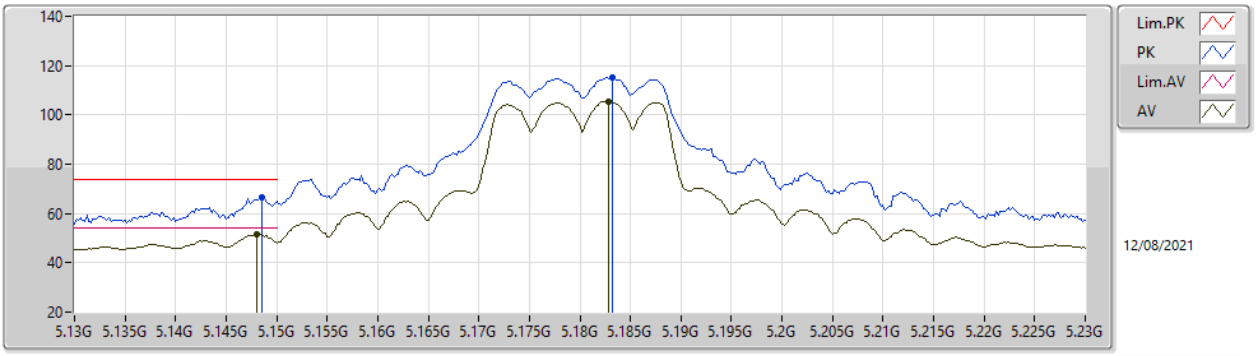


EUT Z_2TX
Setting 44
04-F-B-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1492G	68.46	74.00	-5.54	63.18	3	Vertical	252	2.52	-	32.80	5.65	33.17
AV	5.149G	52.82	54.00	-1.18	47.54	3	Vertical	252	2.52	-	32.80	5.65	33.17
PK	5.1838G	114.40	Inf	-Inf	109.02	3	Vertical	252	2.52	-	32.87	5.68	33.17
AV	5.1788G	104.82	Inf	-Inf	99.45	3	Vertical	252	2.52	-	32.86	5.68	33.17

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

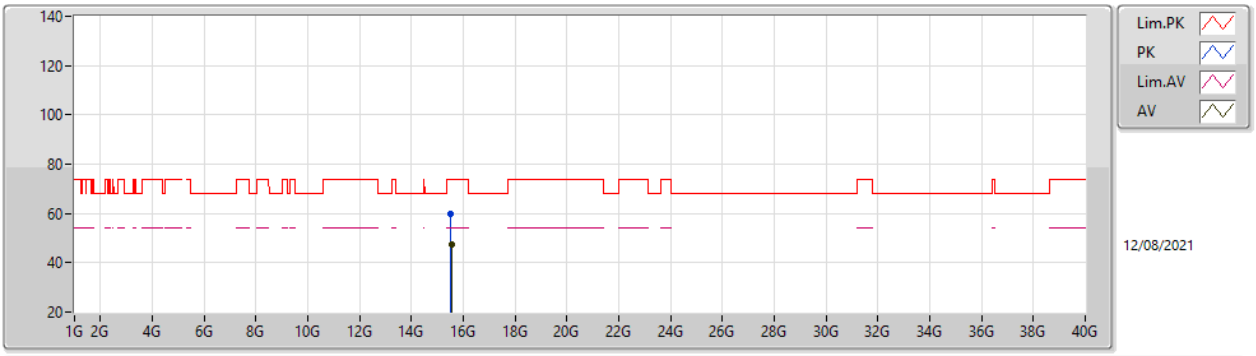


EUT Z_2TX
Setting 44
04-F-B-4-10

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	5.1486G	66.35	74.00	-7.65	61.07	3	Horizontal	151	2.85	-	32.80	5.65	33.17
AV	5.148G	51.46	54.00	-2.54	46.18	3	Horizontal	151	2.85	-	32.80	5.65	33.17
PK	5.1832G	115.03	Inf	-Inf	109.65	3	Horizontal	151	2.85	-	32.87	5.68	33.17
AV	5.1828G	105.57	Inf	-Inf	100.19	3	Horizontal	151	2.85	-	32.87	5.68	33.17

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

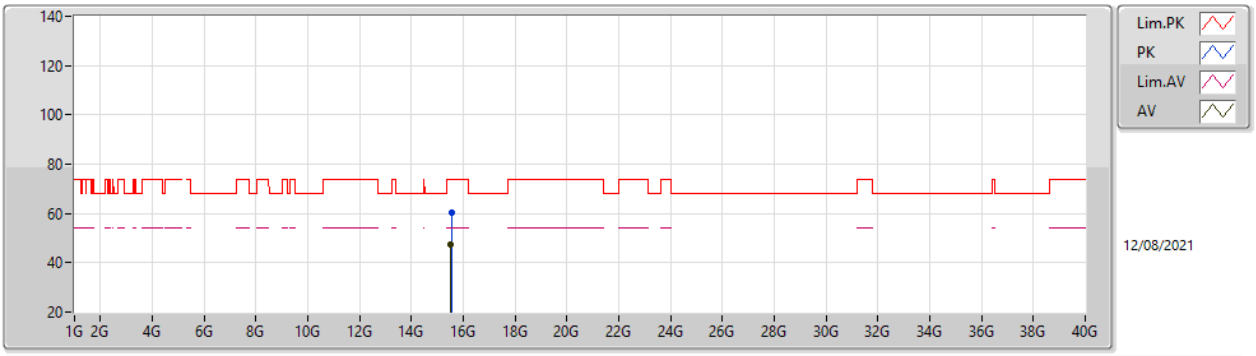


EUT Z_2TX
Setting 44
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5322G	59.70	74.00	-14.30	44.58	3	Vertical	343	2.52	-	38.50	11.75	35.13
AV	15.53796G	47.16	54.00	-6.84	32.05	3	Vertical	343	2.52	-	38.49	11.75	35.13

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

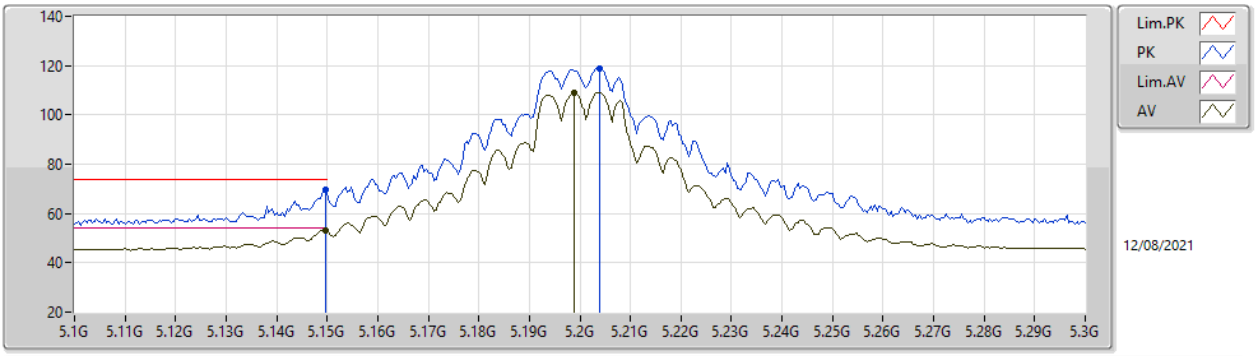


EUT Z_2TX
Setting 44
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.537G	60.50	74.00	-13.50	45.39	3	Horizontal	202	2.32	-	38.49	11.75	35.13
AV	15.52536G	47.21	54.00	-6.79	32.08	3	Horizontal	202	2.32	-	38.52	11.74	35.13

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

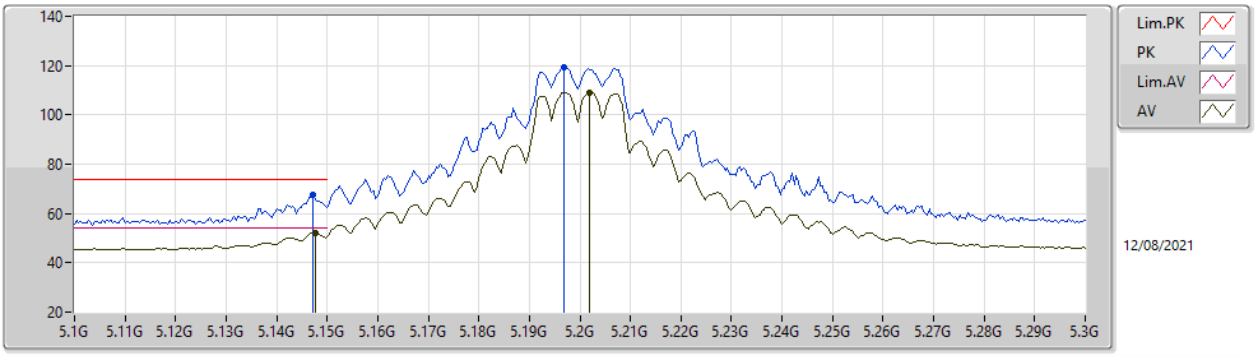


EUT Z_2TX
Setting 53
04-F-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1496G	69.44	74.00	-4.56	64.16	3	Vertical	251	2.63	-	32.80	5.65	33.17
AV	5.1496G	53.02	54.00	-0.98	47.74	3	Vertical	251	2.63	-	32.80	5.65	33.17
PK	5.204G	119.01	Inf	-Inf	113.58	3	Vertical	251	2.63	-	32.90	5.70	33.17
AV	5.1988G	108.84	Inf	-Inf	103.41	3	Vertical	251	2.63	-	32.90	5.70	33.17

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

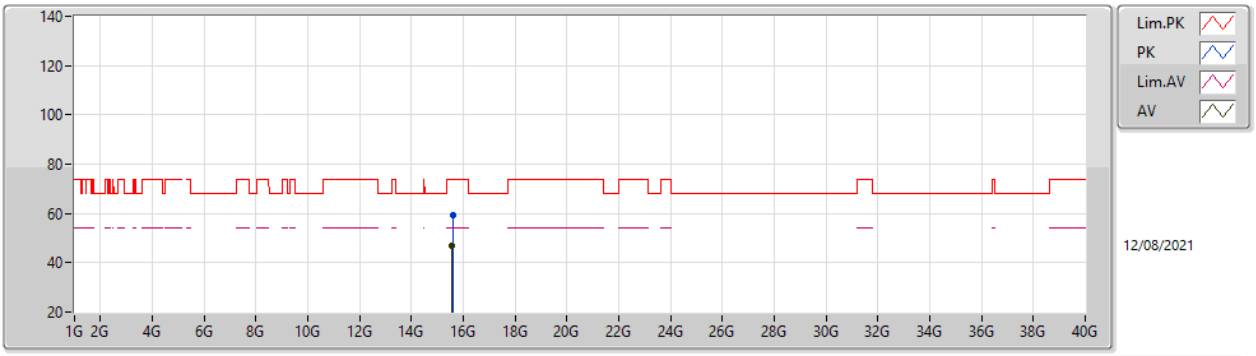


EUT Z_2TX
Setting 53
04-F-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1472G	67.37	74.00	-6.63	62.09	3	Horizontal	125	2.28	-	32.80	5.65	33.17
AV	5.1476G	52.24	54.00	-1.76	46.96	3	Horizontal	125	2.28	-	32.80	5.65	33.17
PK	5.1968G	119.17	Inf	-Inf	113.75	3	Horizontal	125	2.28	-	32.89	5.70	33.17
AV	5.202G	109.22	Inf	-Inf	103.79	3	Horizontal	125	2.28	-	32.90	5.70	33.17

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

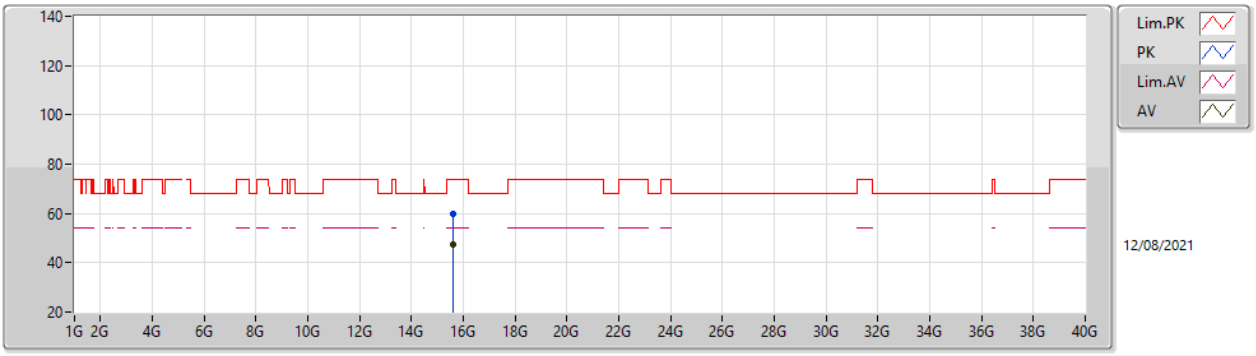


EUT Z_2TX
Setting 53
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5912G	59.55	74.00	-14.45	44.57	3	Vertical	106	1.00	-	38.33	11.79	35.14
AV	15.5772G	47.14	54.00	-6.86	32.12	3	Vertical	106	1.00	-	38.37	11.78	35.13

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

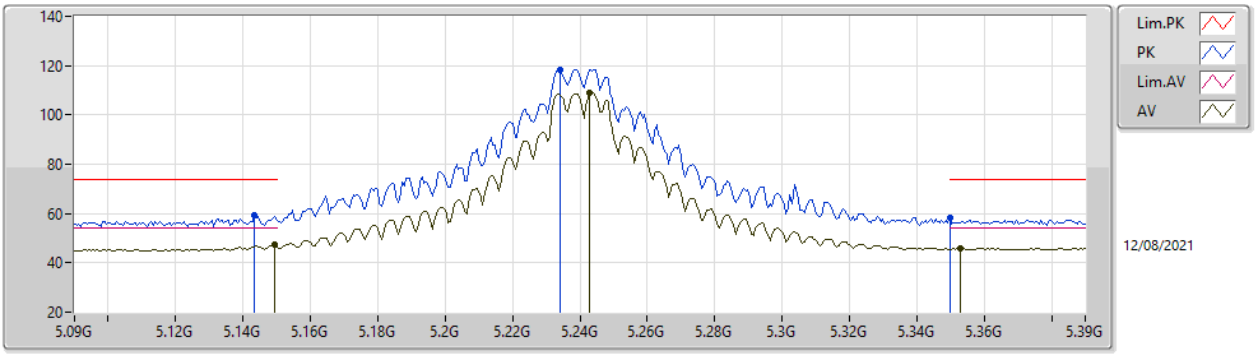


EUT Z_2TX
Setting 53
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5841G	59.75	74.00	-14.25	44.75	3	Horizontal	80	2.00	-	38.35	11.79	35.14
AV	15.5888G	47.25	54.00	-6.75	32.27	3	Horizontal	80	2.00	-	38.33	11.79	35.14

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

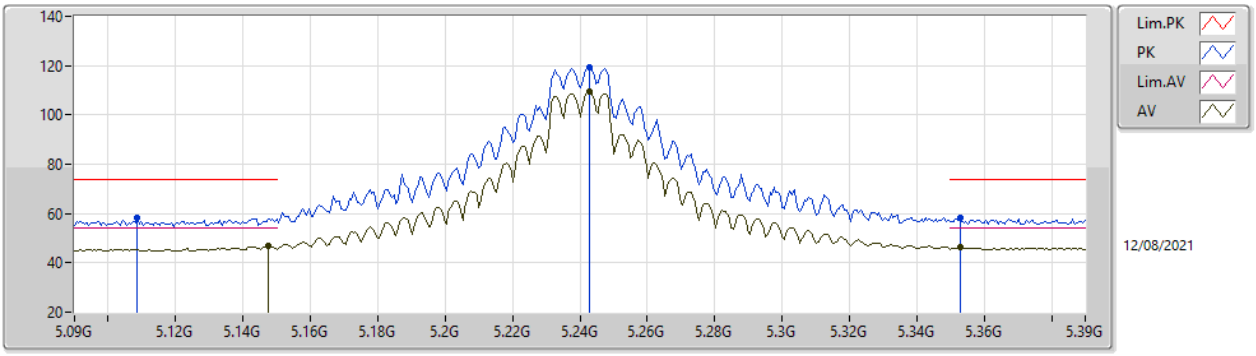


EUT Z_2TX
Setting 60
04-F-K-4-10

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	5.1434G	59.33	74.00	-14.67	54.06	3	Vertical	250	2.47	-	32.80	5.64	33.17
AV	5.1494G	47.16	54.00	-6.84	41.88	3	Vertical	250	2.47	-	32.80	5.65	33.17
PK	5.234G	118.50	Inf	-Inf	113.05	3	Vertical	250	2.47	-	32.90	5.72	33.17
AV	5.243G	108.89	Inf	-Inf	103.44	3	Vertical	250	2.47	-	32.90	5.72	33.17
PK	5.35G	58.15	74.00	-15.85	52.54	3	Vertical	250	2.47	-	33.00	5.78	33.17
AV	5.3528G	45.77	54.00	-8.23	40.14	3	Vertical	250	2.47	-	33.02	5.78	33.17

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

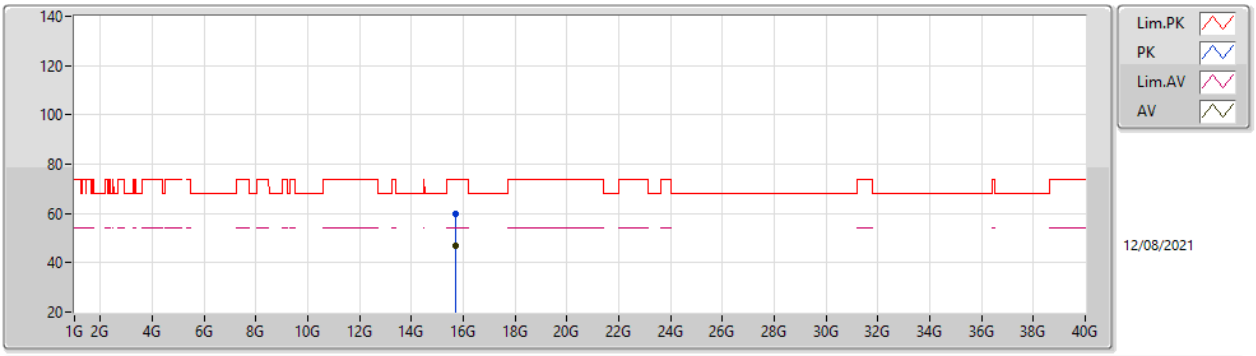


EUT Z_2TX
Setting 60
04-F-K-4-10

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	5.1086G	58.23	74.00	-15.77	52.98	3	Horizontal	120	2.73	-	32.80	5.61	33.16
AV	5.1476G	46.88	54.00	-7.12	41.60	3	Horizontal	120	2.73	-	32.80	5.65	33.17
PK	5.243G	119.17	Inf	-Inf	113.72	3	Horizontal	120	2.73	-	32.90	5.72	33.17
AV	5.243G	109.43	Inf	-Inf	103.98	3	Horizontal	120	2.73	-	32.90	5.72	33.17
PK	5.3528G	58.49	74.00	-15.51	52.86	3	Horizontal	120	2.73	-	33.02	5.78	33.17
AV	5.3528G	46.25	54.00	-7.75	40.62	3	Horizontal	120	2.73	-	33.02	5.78	33.17

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

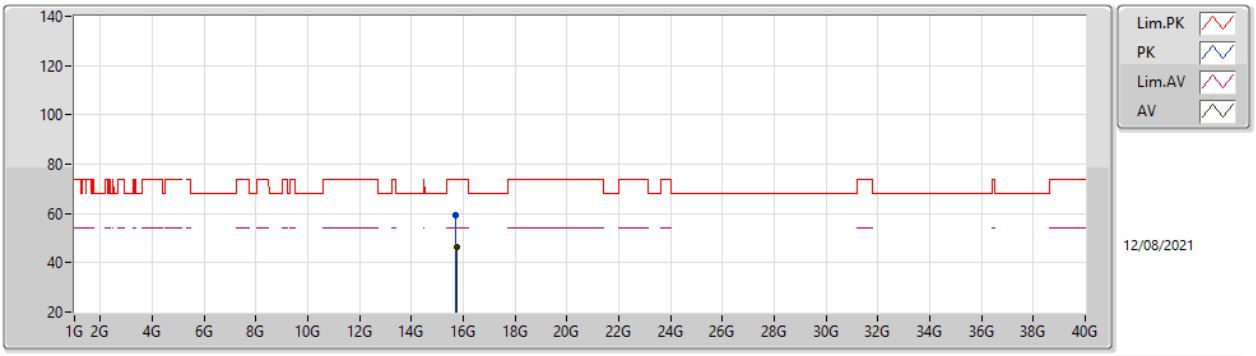


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.72012G	59.95	74.00	-14.05	44.70	3	Vertical	113	1.56	-	38.50	11.89	35.14
AV	15.71832G	46.77	54.00	-7.23	31.52	3	Vertical	113	1.56	-	38.50	11.89	35.14

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

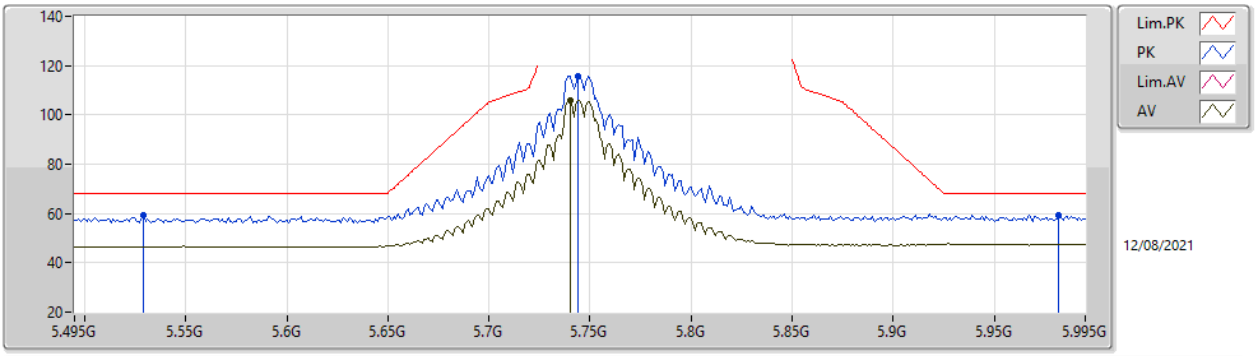


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.70584G	59.08	74.00	-14.92	43.84	3	Horizontal	14	1.03	-	38.50	11.88	35.14
AV	15.7296G	46.46	54.00	-7.54	31.20	3	Horizontal	14	1.03	-	38.50	11.90	35.14

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

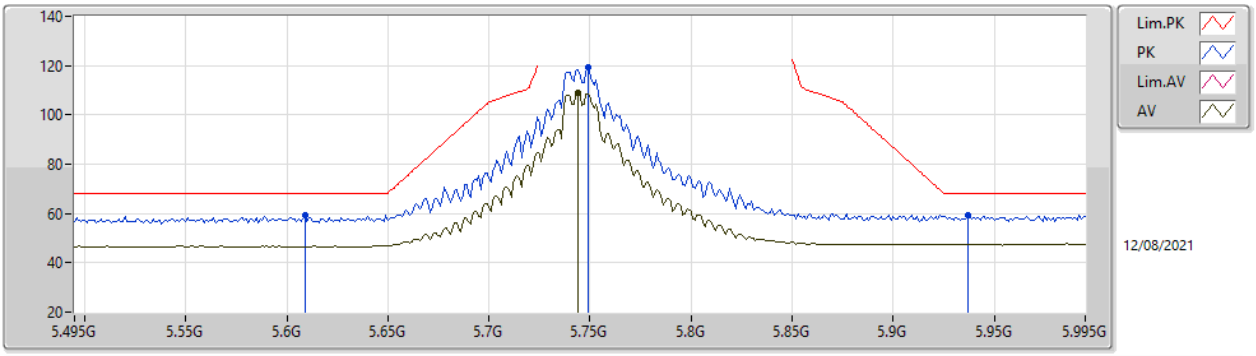


EUT Z_2TX
Setting 60
04-F-K-4-10

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	5.529G	59.26	68.20	-8.94	52.79	3	Vertical	335	1.34	-	33.80	5.86	33.19
PK	5.744G	115.83	Inf	-Inf	108.96	3	Vertical	335	1.34	-	34.18	5.97	33.28
AV	5.74G	106.06	Inf	-Inf	99.21	3	Vertical	335	1.34	-	34.16	5.97	33.28
PK	5.982G	59.43	68.20	-8.77	51.49	3	Vertical	335	1.34	-	35.13	6.18	33.37

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

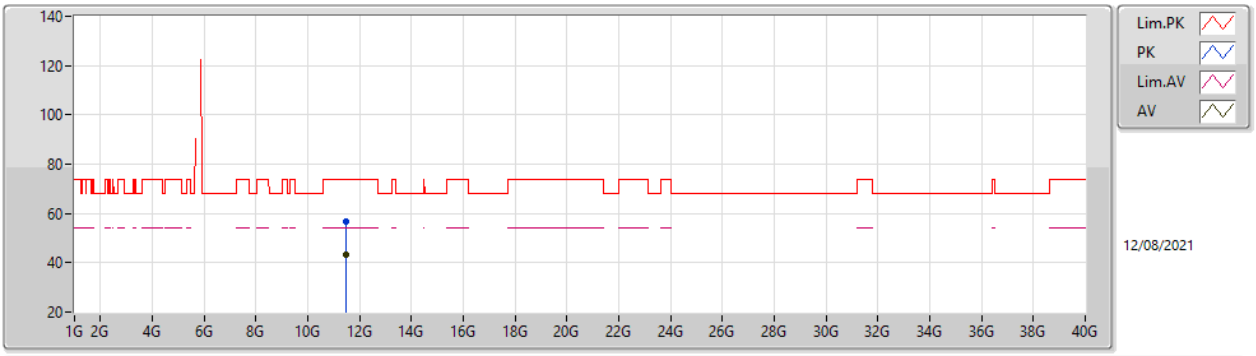


EUT Z_2TX
Setting 60
04-F-K-4-10

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	59.56	68.20	-8.64	52.98	3	Horizontal	227	2.90	-	33.90	5.90	33.22
PK	5.749G	119.51	Inf	-Inf	112.62	3	Horizontal	227	2.90	-	34.20	5.97	33.28
AV	5.744G	108.73	Inf	-Inf	101.86	3	Horizontal	227	2.90	-	34.18	5.97	33.28
PK	5.937G	59.33	68.20	-8.87	51.59	3	Horizontal	227	2.90	-	34.95	6.14	33.35

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

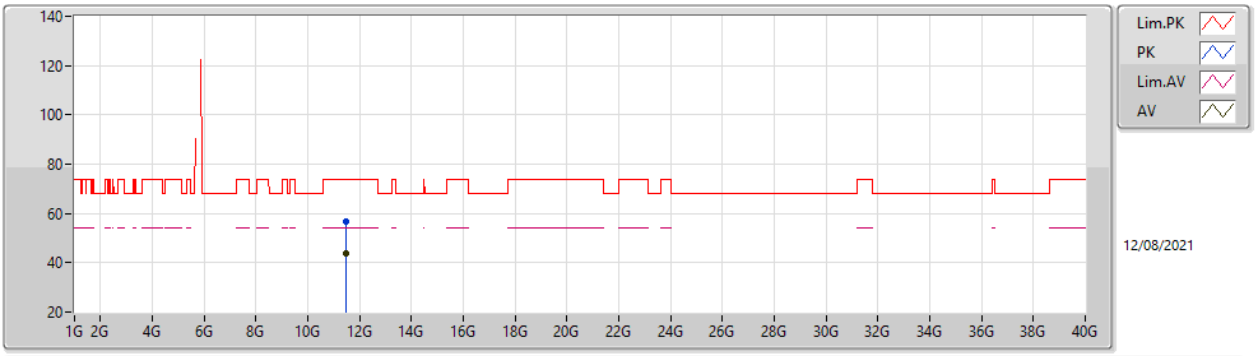


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4747G	56.57	74.00	-17.43	42.78	3	Vertical	167	1.11	-	39.20	9.34	34.75
AV	11.4752G	43.38	54.00	-10.62	29.59	3	Vertical	167	1.11	-	39.20	9.34	34.75

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

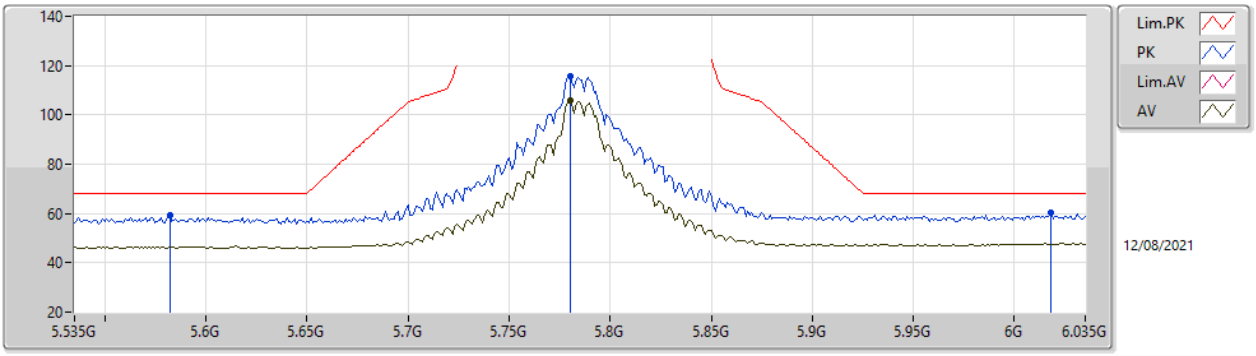


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4864G	56.94	74.00	-17.06	43.15	3	Horizontal	17	1.14	-	39.20	9.34	34.75
AV	11.4972G	43.63	54.00	-10.37	29.84	3	Horizontal	17	1.14	-	39.20	9.35	34.76

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

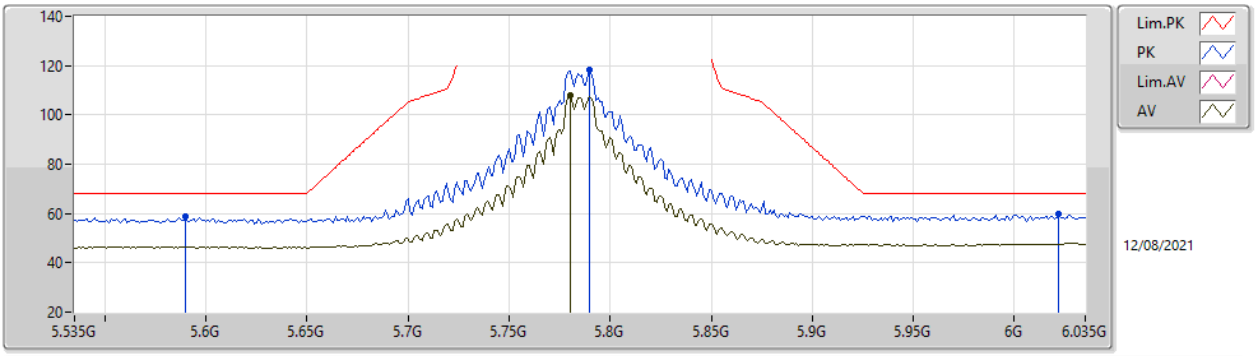


EUT Z_2TX
Setting 60
04-F-K-4-10

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	5.582G	59.12	68.20	-9.08	52.58	3	Vertical	338	1.13	-	33.86	5.89	33.21
PK	5.78G	115.73	Inf	-Inf	108.83	3	Vertical	338	1.13	-	34.20	5.99	33.29
AV	5.78G	105.68	Inf	-Inf	98.78	3	Vertical	338	1.13	-	34.20	5.99	33.29
PK	6.018G	60.34	68.20	-7.86	52.24	3	Vertical	338	1.13	-	35.27	6.20	33.37

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

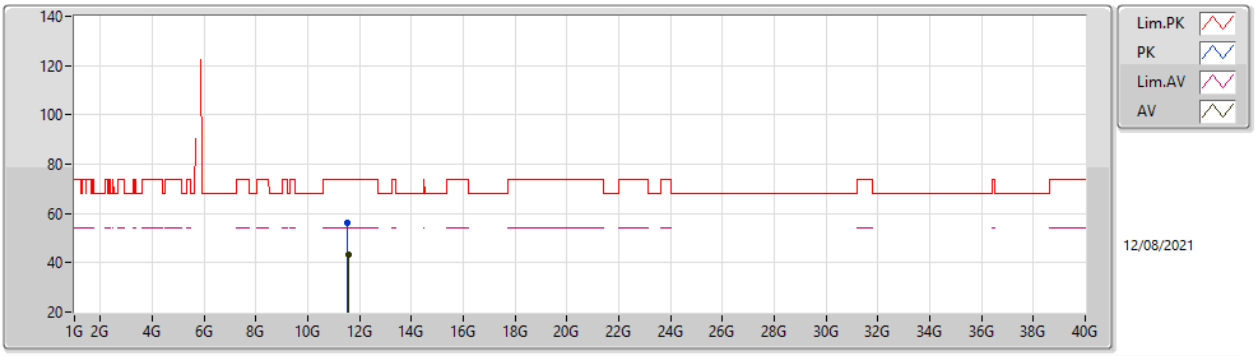


EUT Z_2TX
Setting 60
04-F-K-4-10

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	5.59G	58.93	68.20	-9.27	52.37	3	Horizontal	74	2.87	-	33.88	5.90	33.22
PK	5.79G	118.30	Inf	-Inf	111.40	3	Horizontal	74	2.87	-	34.20	6.00	33.30
AV	5.78G	108.00	Inf	-Inf	101.10	3	Horizontal	74	2.87	-	34.20	5.99	33.29
PK	6.022G	59.74	68.20	-8.46	51.62	3	Horizontal	74	2.87	-	35.29	6.20	33.37

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

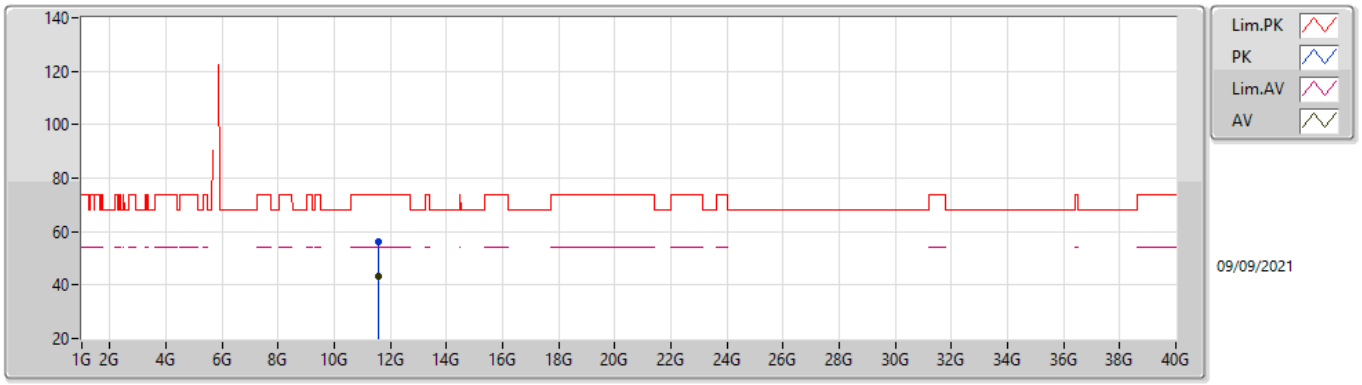


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5484G	56.38	74.00	-17.62	42.64	3	Vertical	99	2.11	-	39.15	9.37	34.78
AV	11.5652G	43.23	54.00	-10.77	29.50	3	Vertical	99	2.11	-	39.13	9.38	34.78

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

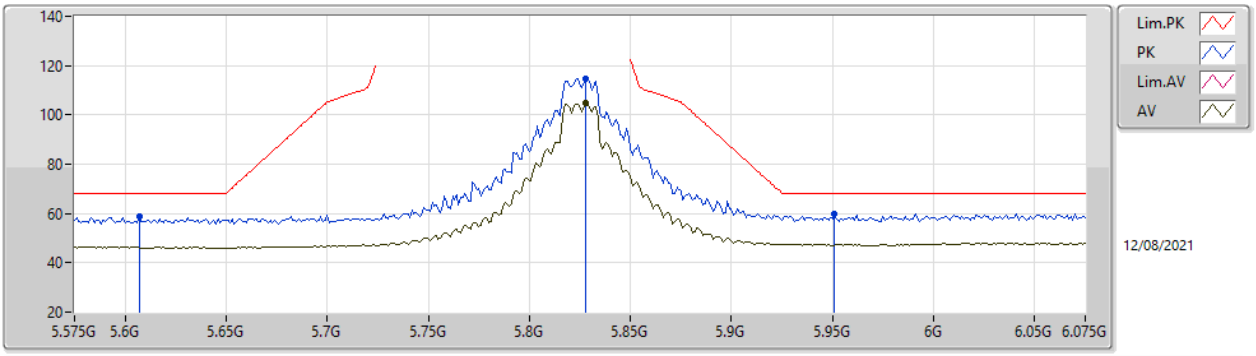


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5883G	56.20	74.00	-17.80	42.49	3	Horizontal	0	2.32	-	39.11	9.39	34.79
AV	11.5534G	43.26	54.00	-10.74	29.51	3	Horizontal	0	2.32	-	39.15	9.38	34.78

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

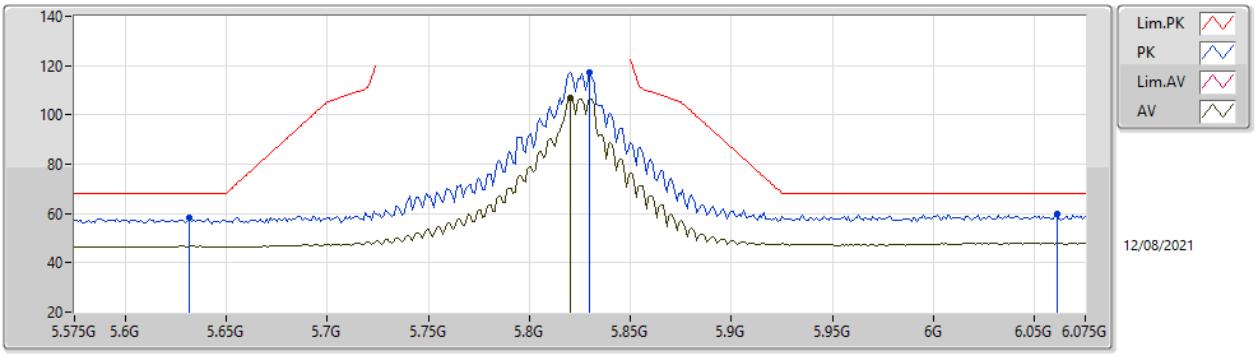


EUT Z_2TX
Setting 60
04-F-K-4-10

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	5.607G	58.79	68.20	-9.41	52.21	3	Vertical	163	1.05	-	33.90	5.90	33.22
PK	5.828G	114.60	Inf	-Inf	107.51	3	Vertical	163	1.05	-	34.37	6.03	33.31
AV	5.828G	105.07	Inf	-Inf	97.98	3	Vertical	163	1.05	-	34.37	6.03	33.31
PK	5.951G	59.95	68.20	-8.25	52.16	3	Vertical	163	1.05	-	35.00	6.15	33.36

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

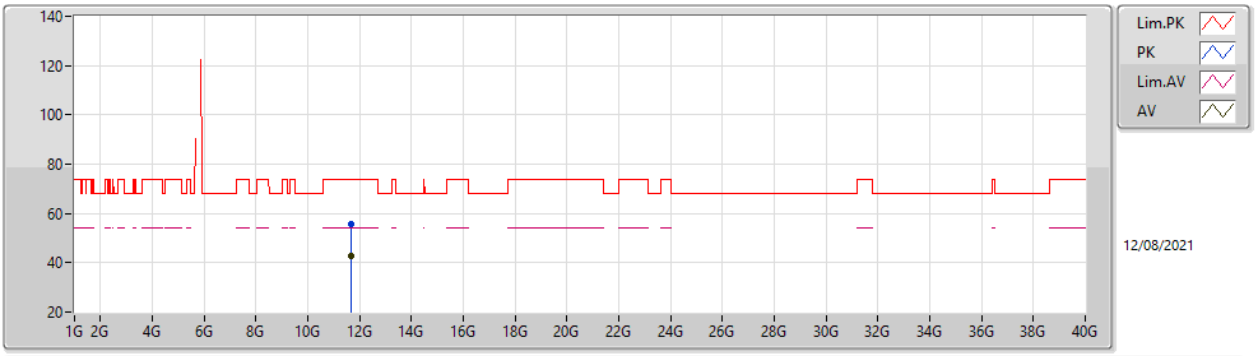


EUT Z_2TX
Setting 60
04-F-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.632G	58.16	68.20	-10.04	51.57	3	Horizontal	50	2.92	-	33.90	5.92	33.23
PK	5.83G	117.34	Inf	-Inf	110.24	3	Horizontal	50	2.92	-	34.38	6.03	33.31
AV	5.82G	107.09	Inf	-Inf	100.06	3	Horizontal	50	2.92	-	34.32	6.02	33.31
PK	6.061G	59.79	68.20	-8.41	51.53	3	Horizontal	50	2.92	-	35.40	6.20	33.34

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

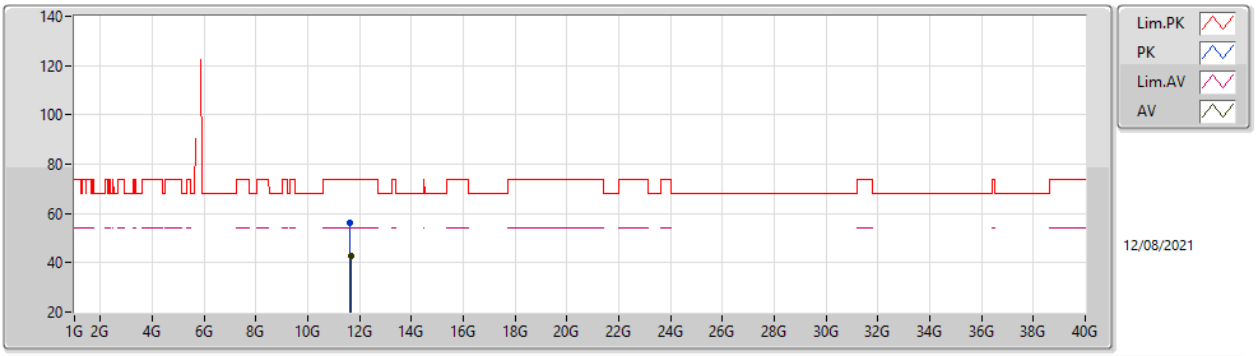


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.657G	55.85	74.00	-18.15	42.20	3	Vertical	59	1.39	-	39.04	9.43	34.82
AV	11.6491G	43.00	54.00	-11.00	29.35	3	Vertical	59	1.39	-	39.05	9.42	34.82

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

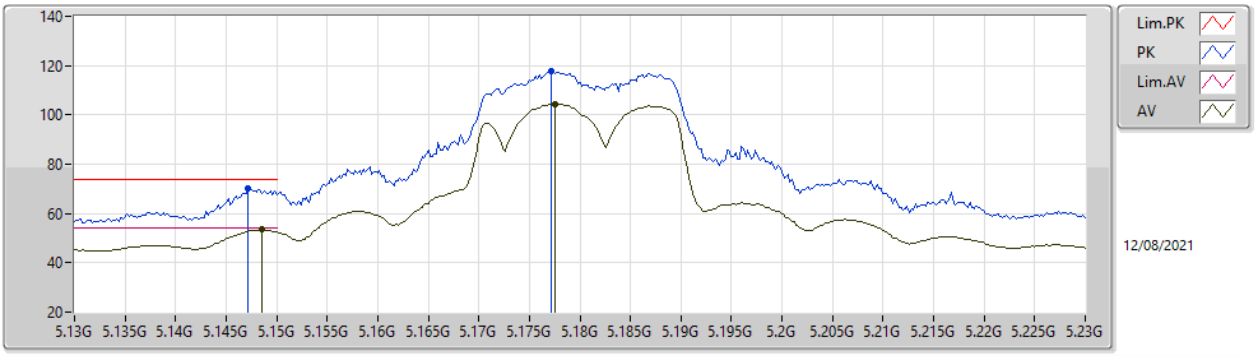


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6351G	56.09	74.00	-17.91	42.42	3	Horizontal	303	2.77	-	39.06	9.42	34.81
AV	11.6572G	43.00	54.00	-11.00	29.35	3	Horizontal	303	2.77	-	39.04	9.43	34.82

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

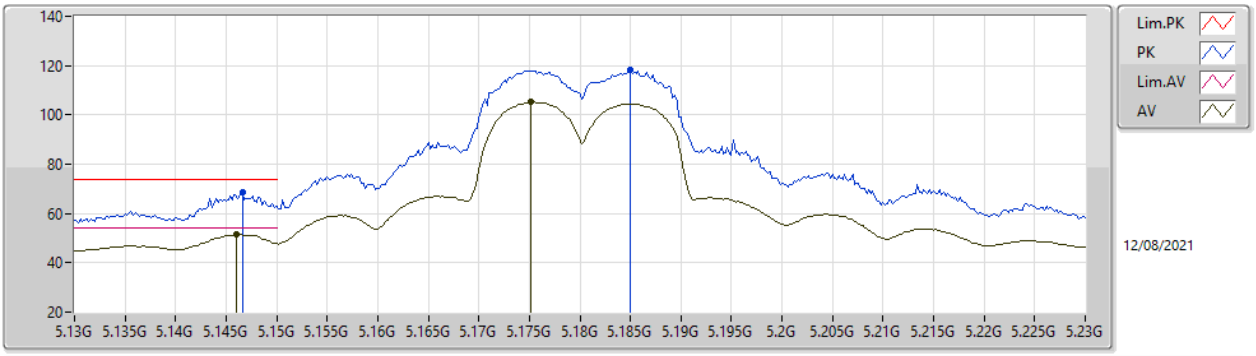


EUT Z_2TX
Setting 44
04-F-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1472G	70.34	74.00	-3.66	65.06	3	Vertical	251	2.65	-	32.80	5.65	33.17
AV	5.1486G	53.41	54.00	-0.59	48.13	3	Vertical	251	2.65	-	32.80	5.65	33.17
PK	5.1772G	117.88	Inf	-Inf	112.52	3	Vertical	251	2.65	-	32.85	5.68	33.17
AV	5.1776G	104.47	Inf	-Inf	99.10	3	Vertical	251	2.65	-	32.86	5.68	33.17

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

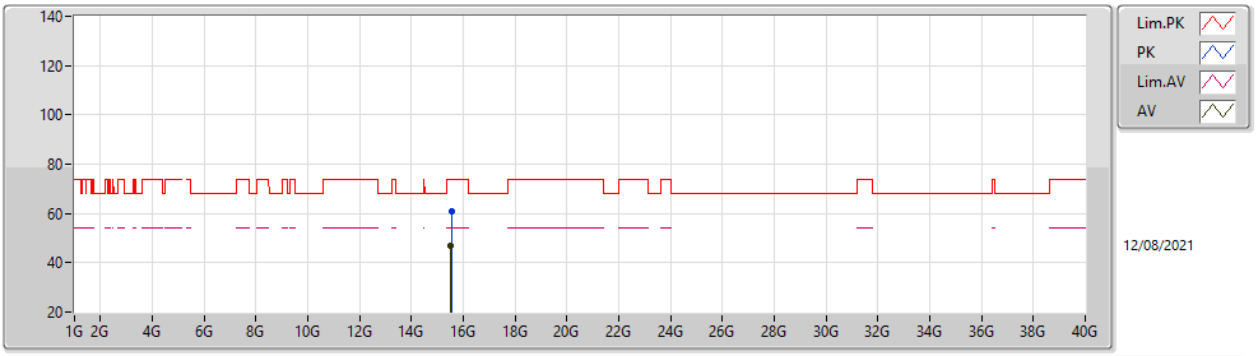


EUT Z_2TX
Setting 44
04-F-K-4-10

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	5.1466G	68.37	74.00	-5.63	63.09	3	Horizontal	151	2.73	-	32.80	5.65	33.17
AV	5.146G	51.51	54.00	-2.49	46.23	3	Horizontal	151	2.73	-	32.80	5.65	33.17
PK	5.185G	118.11	Inf	-Inf	112.72	3	Horizontal	151	2.73	-	32.87	5.69	33.17
AV	5.1752G	105.16	Inf	-Inf	99.80	3	Horizontal	151	2.73	-	32.85	5.68	33.17

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

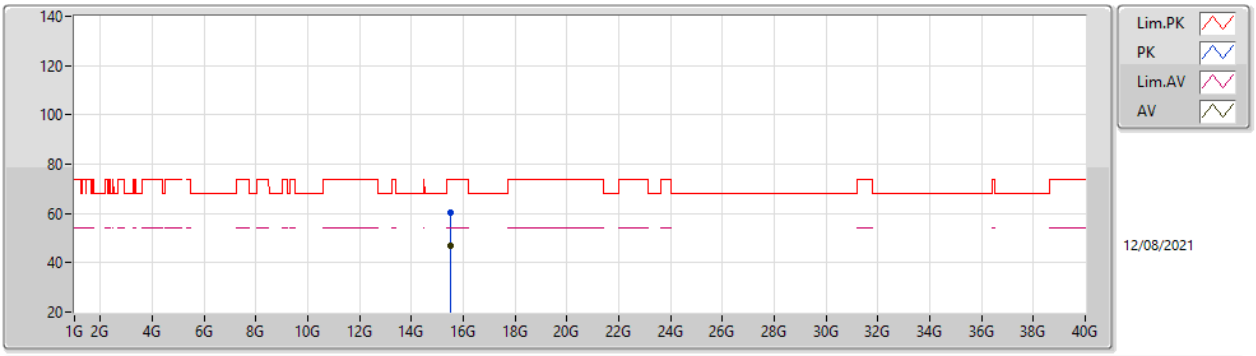


EUT Z_2TX
Setting 44
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5586G	60.70	74.00	-13.30	45.64	3	Vertical	325	1.43	-	38.42	11.77	35.13
AV	15.5207G	46.83	54.00	-7.17	31.68	3	Vertical	325	1.43	-	38.54	11.74	35.13

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

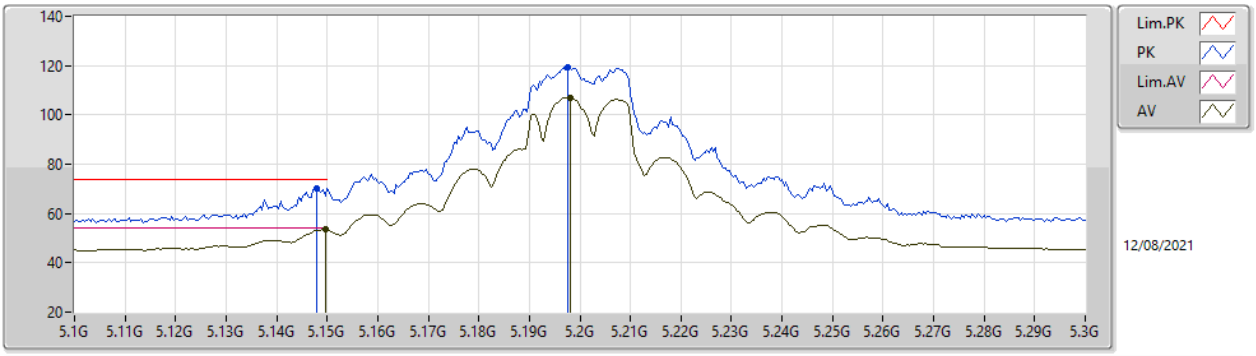


EUT Z_2TX
Setting 44
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5221G	60.16	74.00	-13.84	45.02	3	Horizontal	152	2.01	-	38.53	11.74	35.13
AV	15.5205G	46.65	54.00	-7.35	31.50	3	Horizontal	152	2.01	-	38.54	11.74	35.13

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

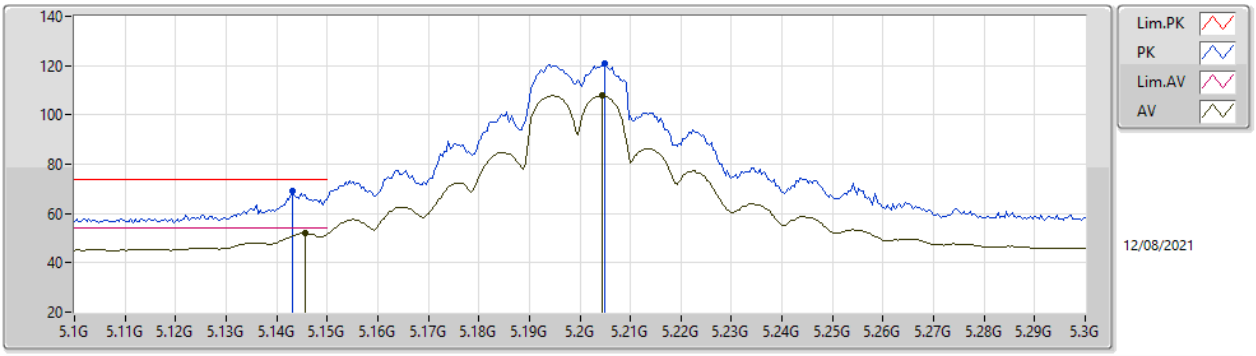


EUT Z_2TX
Setting 52
04-F-K-4-10

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	5.148G	70.42	74.00	-3.58	65.14	3	Vertical	254	2.52	-	32.80	5.65	33.17
AV	5.1496G	53.51	54.00	-0.49	48.23	3	Vertical	254	2.52	-	32.80	5.65	33.17
PK	5.1976G	119.17	Inf	-Inf	113.74	3	Vertical	254	2.52	-	32.90	5.70	33.17
AV	5.198G	106.84	Inf	-Inf	101.41	3	Vertical	254	2.52	-	32.90	5.70	33.17

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

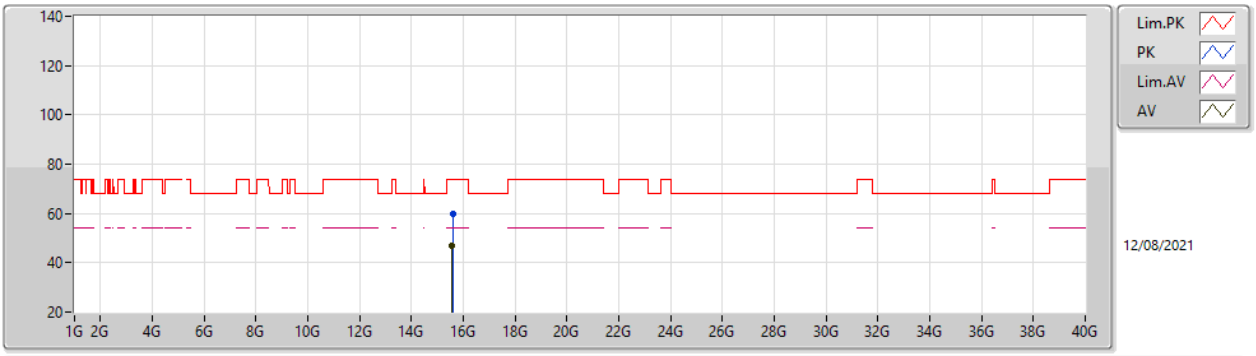


EUT Z_2TX
Setting 52
04-F-K-4-10

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	5.1432G	69.04	74.00	-4.96	63.77	3	Horizontal	124	2.44	-	32.80	5.64	33.17
AV	5.1456G	51.98	54.00	-2.02	46.70	3	Horizontal	124	2.44	-	32.80	5.65	33.17
PK	5.2048G	120.75	Inf	-Inf	115.32	3	Horizontal	124	2.44	-	32.90	5.70	33.17
AV	5.2044G	107.73	Inf	-Inf	102.30	3	Horizontal	124	2.44	-	32.90	5.70	33.17

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

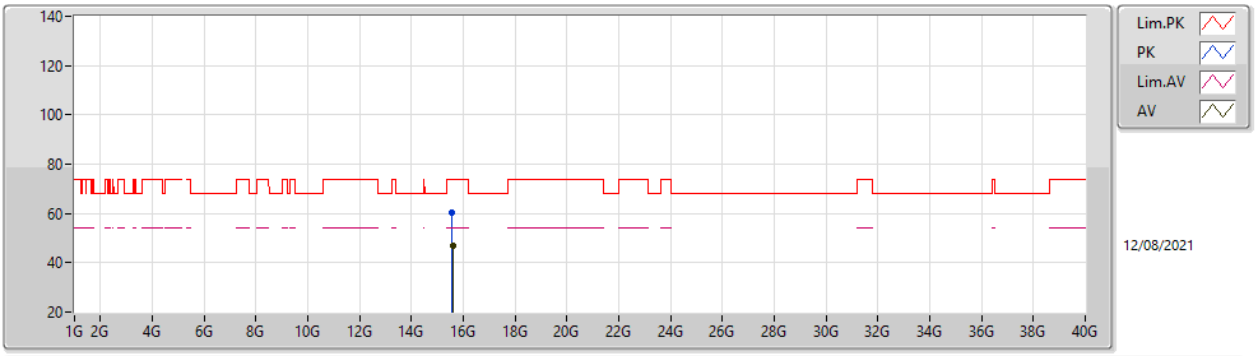


EUT Z_2TX
Setting 52
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.593G	59.66	74.00	-14.34	44.69	3	Vertical	297	1.61	-	38.32	11.79	35.14
AV	15.5778G	46.81	54.00	-7.19	31.79	3	Vertical	297	1.61	-	38.37	11.78	35.13

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

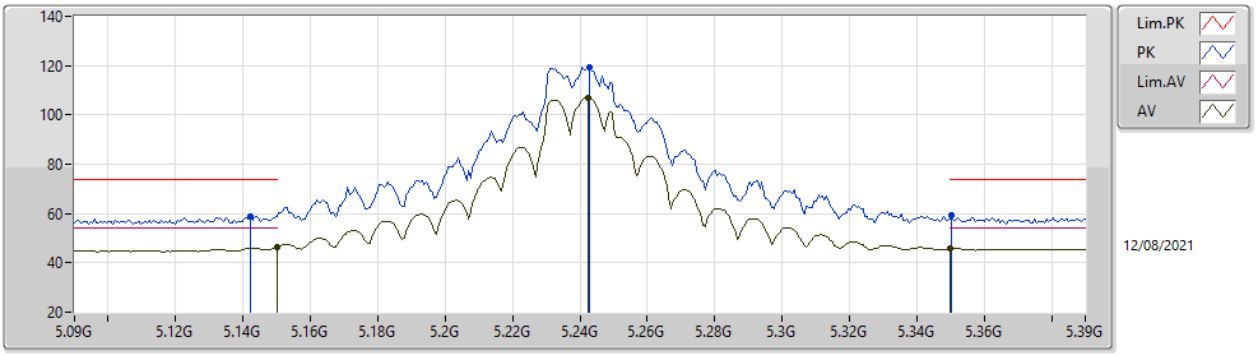


EUT Z_2TX
Setting 52
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.568G	60.55	74.00	-13.45	45.50	3	Horizontal	132	2.47	-	38.40	11.78	35.13
AV	15.582G	46.87	54.00	-7.13	31.86	3	Horizontal	132	2.47	-	38.35	11.79	35.13

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

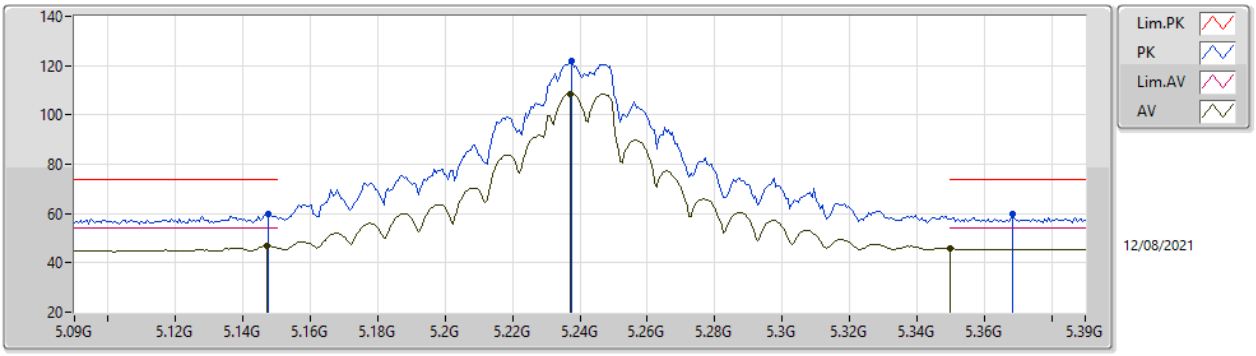


EUT Z_2TX
Setting 60
04-F-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1422G	58.91	74.00	-15.09	53.64	3	Vertical	278	1.24	-	32.80	5.64	33.17
AV	5.15G	46.40	54.00	-7.60	41.12	3	Vertical	278	1.24	-	32.80	5.65	33.17
PK	5.243G	119.49	Inf	-Inf	114.04	3	Vertical	278	1.24	-	32.90	5.72	33.17
AV	5.2424G	107.05	Inf	-Inf	101.60	3	Vertical	278	1.24	-	32.90	5.72	33.17
PK	5.3504G	59.13	74.00	-14.87	53.52	3	Vertical	278	1.24	-	33.00	5.78	33.17
AV	5.35G	45.79	54.00	-8.21	40.18	3	Vertical	278	1.24	-	33.00	5.78	33.17

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

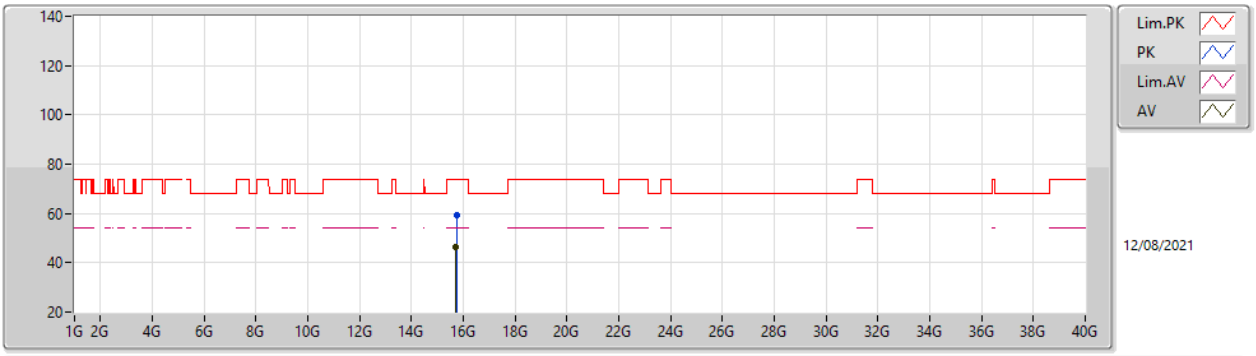


EUT Z_2TX
Setting 60
04-F-K-4-10

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	59.84	74.00	-14.16	54.56	3	Horizontal	360	1.03	-	32.80	5.65	33.17
AV	5.147G	46.84	54.00	-7.16	41.56	3	Horizontal	360	1.03	-	32.80	5.65	33.17
PK	5.2376G	121.64	Inf	-Inf	116.19	3	Horizontal	360	1.03	-	32.90	5.72	33.17
AV	5.237G	108.68	Inf	-Inf	103.23	3	Horizontal	360	1.03	-	32.90	5.72	33.17
PK	5.3684G	59.75	74.00	-14.25	53.99	3	Horizontal	360	1.03	-	33.15	5.78	33.17
AV	5.35G	45.76	54.00	-8.24	40.15	3	Horizontal	360	1.03	-	33.00	5.78	33.17

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

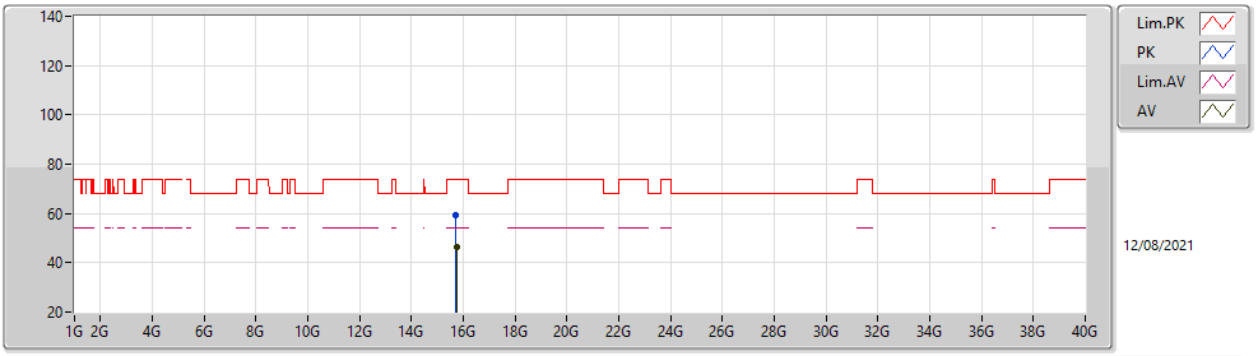


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.7368G	59.47	74.00	-14.53	44.21	3	Vertical	234	2.90	-	38.50	11.90	35.14
AV	15.7201G	46.46	54.00	-7.54	31.21	3	Vertical	234	2.90	-	38.50	11.89	35.14

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

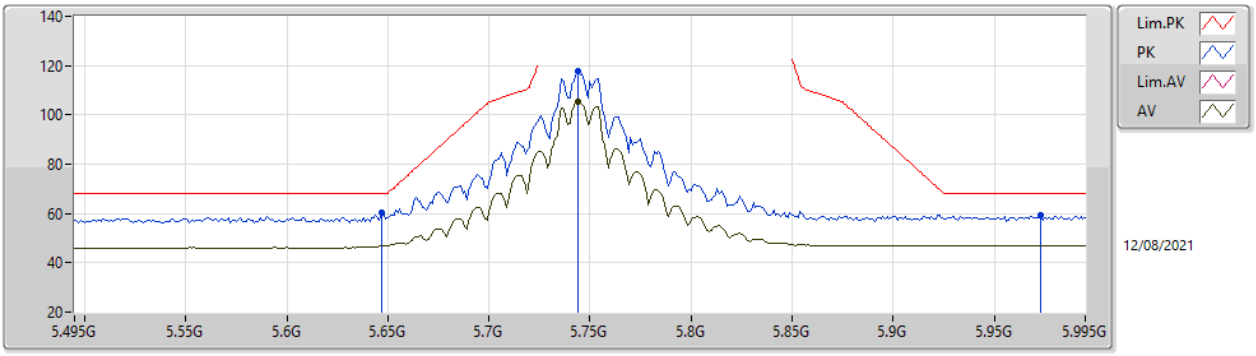


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.683G	59.43	74.00	-14.57	44.24	3	Horizontal	11	2.48	-	38.47	11.86	35.14
AV	15.7338G	46.31	54.00	-7.69	31.05	3	Horizontal	11	2.48	-	38.50	11.90	35.14

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TX

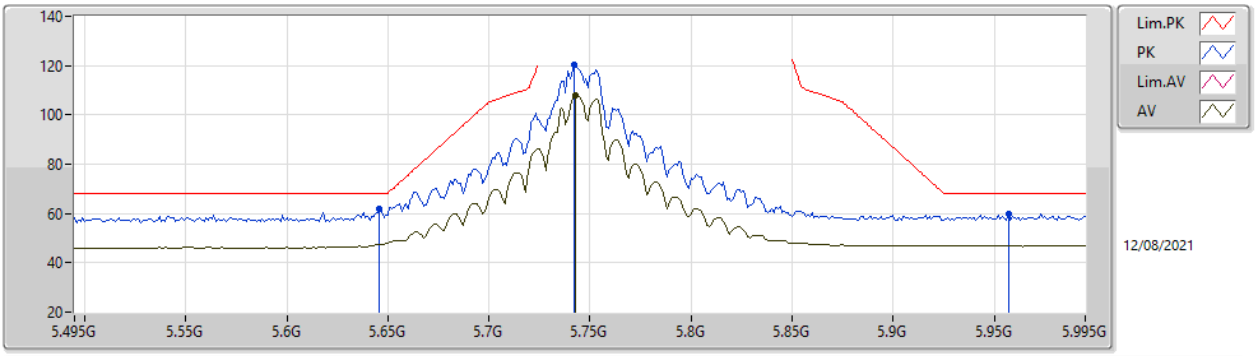


EUT Z_2TX
Setting 60
04-F-K-4-10

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	60.35	68.20	-7.85	53.77	3	Vertical	336	1.36	-	33.90	5.92	33.24
PK	5.744G	117.53	Inf	-Inf	110.66	3	Vertical	336	1.36	-	34.18	5.97	33.28
AV	5.744G	105.09	Inf	-Inf	98.22	3	Vertical	336	1.36	-	34.18	5.97	33.28
PK	5.973G	59.07	68.20	-9.13	51.18	3	Vertical	336	1.36	-	35.09	6.17	33.37

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TX

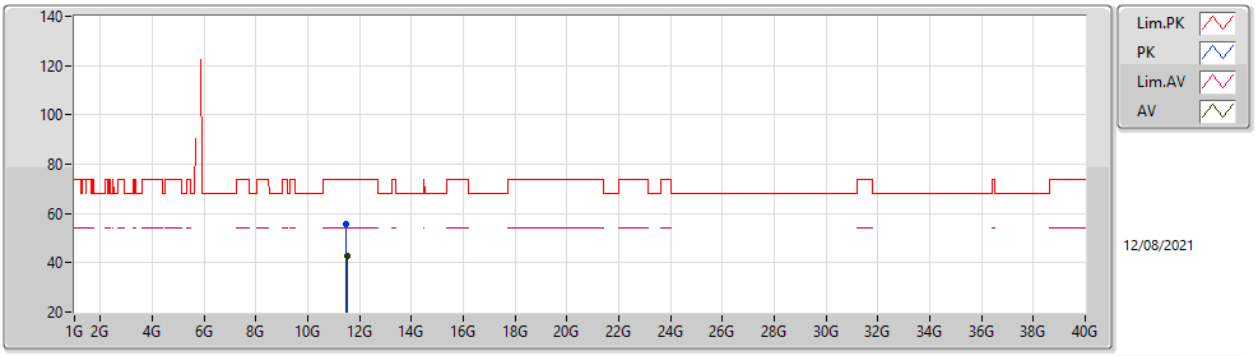


EUT Z_2TX
Setting 60
04-F-K-4-10

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	5.646G	61.89	68.20	-6.31	55.31	3	Horizontal	227	2.30	-	33.90	5.92	33.24
PK	5.742G	120.22	Inf	-Inf	113.36	3	Horizontal	227	2.30	-	34.17	5.97	33.28
AV	5.743G	107.85	Inf	-Inf	100.99	3	Horizontal	227	2.30	-	34.17	5.97	33.28
PK	5.957G	59.89	68.20	-8.31	52.06	3	Horizontal	227	2.30	-	35.03	6.16	33.36

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TX

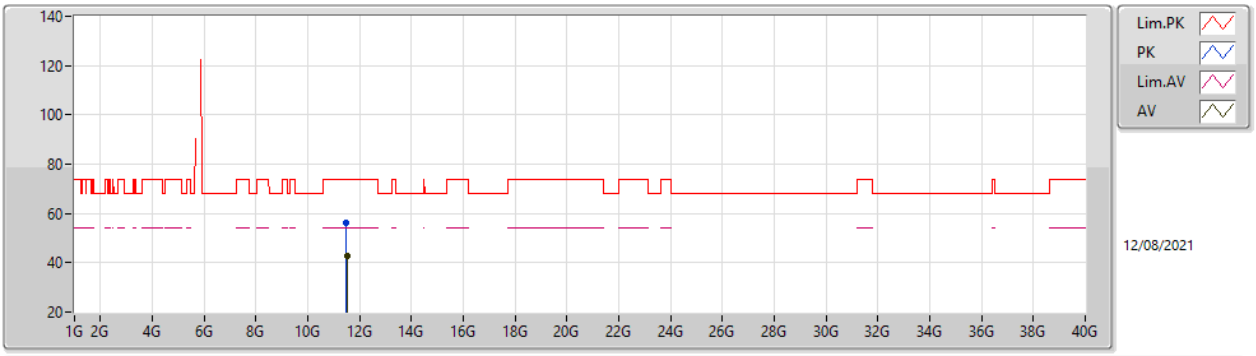


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4859G	55.89	74.00	-18.11	42.10	3	Vertical	67	2.38	-	39.20	9.34	34.75
AV	11.5051G	42.81	54.00	-11.19	29.03	3	Vertical	67	2.38	-	39.19	9.35	34.76

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TX

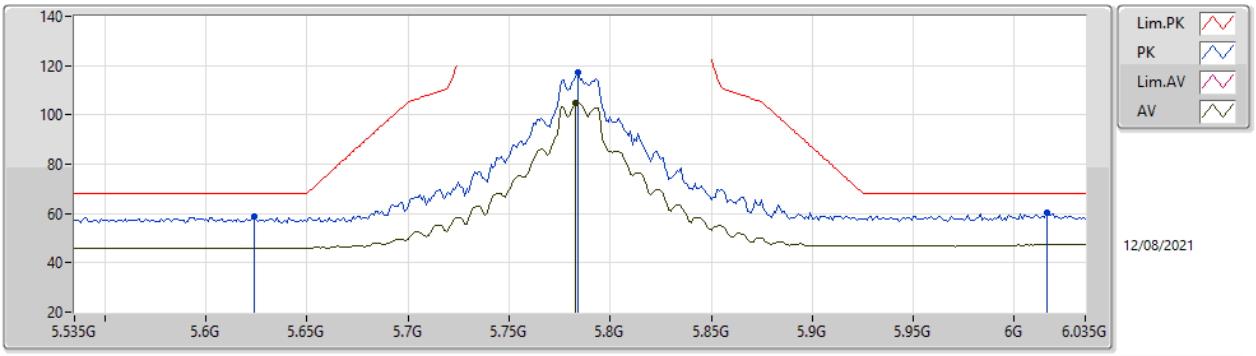


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4896G	56.31	74.00	-17.69	42.52	3	Horizontal	76	2.94	-	39.20	9.34	34.75
AV	11.5053G	42.84	54.00	-11.16	29.06	3	Horizontal	76	2.94	-	39.19	9.35	34.76

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TX

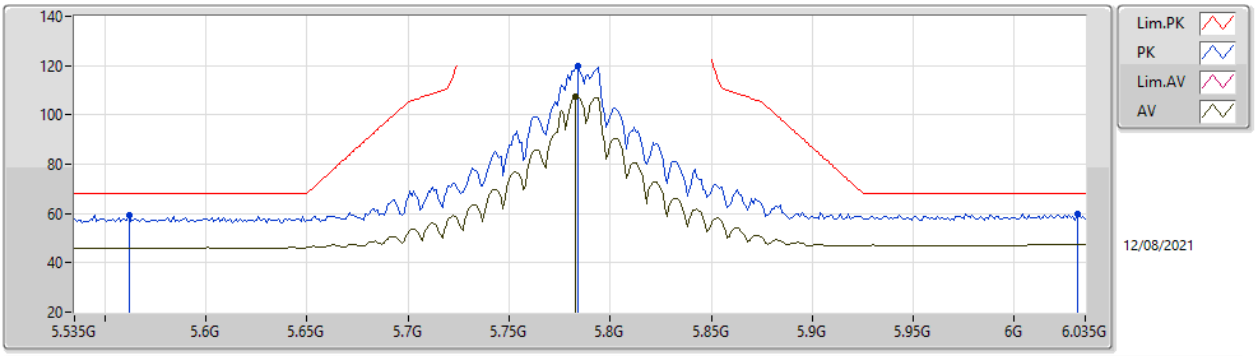


EUT Z_2TX
Setting 60
04-F-K-4-10

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	5.624G	58.88	68.20	-9.32	52.30	3	Vertical	339	1.02	-	33.90	5.91	33.23
PK	5.784G	117.10	Inf	-Inf	110.20	3	Vertical	339	1.02	-	34.20	5.99	33.29
AV	5.783G	104.61	Inf	-Inf	97.71	3	Vertical	339	1.02	-	34.20	5.99	33.29
PK	6.016G	60.20	68.20	-8.00	52.11	3	Vertical	339	1.02	-	35.26	6.20	33.37

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TX

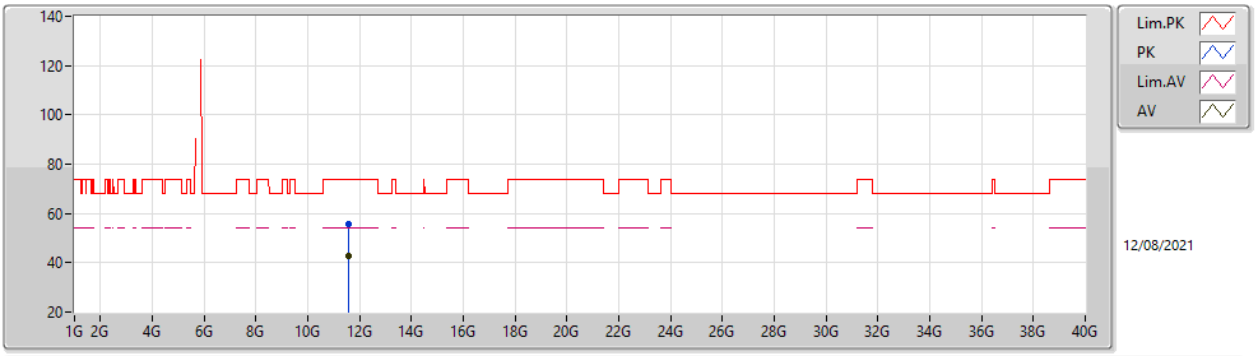


EUT Z_2TX
Setting 60
04-F-K-4-10

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	5.562G	59.37	68.20	-8.83	52.87	3	Horizontal	228	2.97	-	33.82	5.88	33.20
PK	5.784G	119.67	Inf	-Inf	112.77	3	Horizontal	228	2.97	-	34.20	5.99	33.29
AV	5.783G	107.65	Inf	-Inf	100.75	3	Horizontal	228	2.97	-	34.20	5.99	33.29
PK	6.031G	59.73	68.20	-8.47	51.57	3	Horizontal	228	2.97	-	35.32	6.20	33.36

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TX

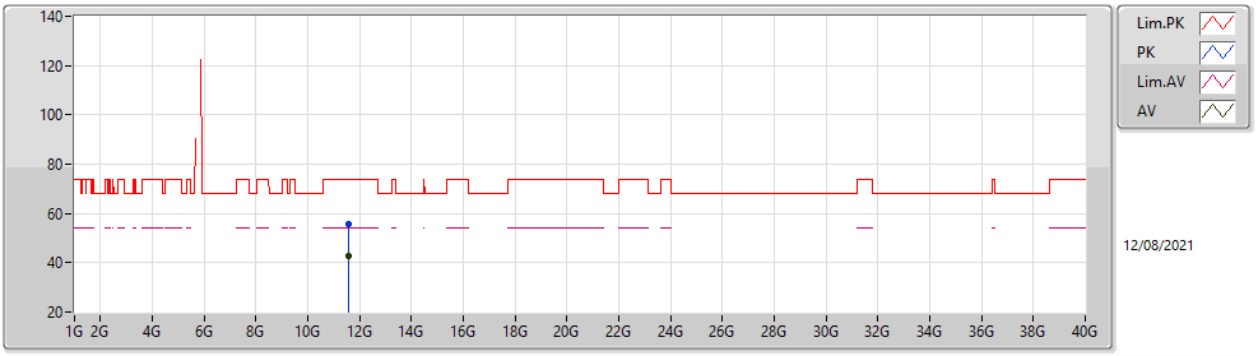


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5718G	55.88	74.00	-18.12	42.15	3	Vertical	195	2.59	-	39.13	9.39	34.79
AV	11.5543G	42.56	54.00	-11.44	28.81	3	Vertical	195	2.59	-	39.15	9.38	34.78

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TX

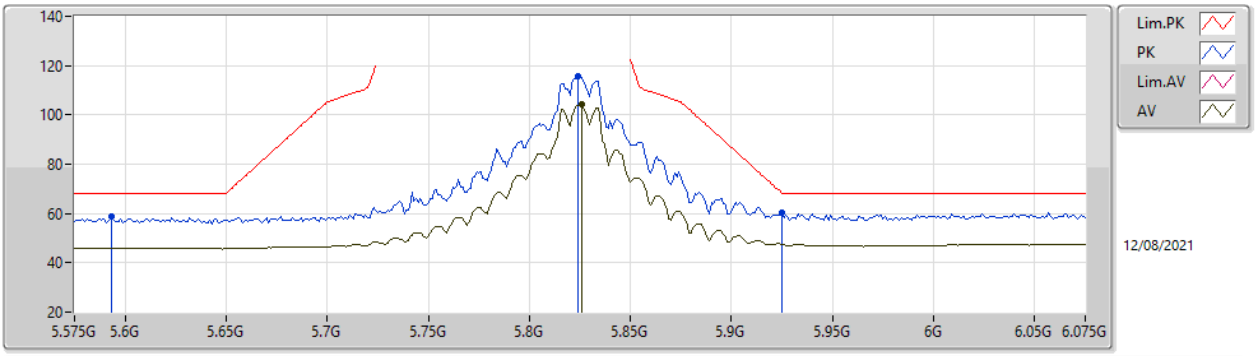


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5504G	55.82	74.00	-18.18	42.07	3	Horizontal	83	1.58	-	39.15	9.38	34.78
AV	11.5608G	42.62	54.00	-11.38	28.88	3	Horizontal	83	1.58	-	39.14	9.38	34.78

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX

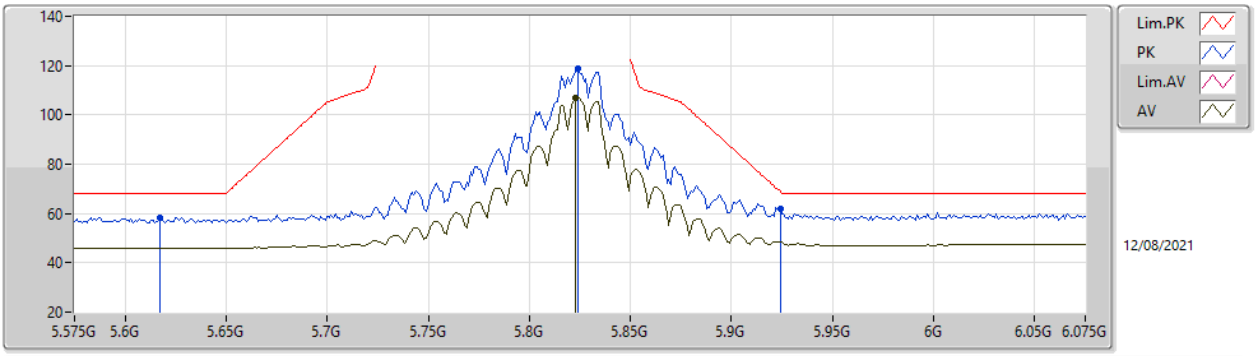


EUT Z_2TX
Setting 60
04-F-K-4-10

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	5.593G	58.56	68.20	-9.64	51.99	3	Vertical	336	1.14	-	33.89	5.90	33.22
PK	5.824G	115.59	Inf	-Inf	108.54	3	Vertical	336	1.14	-	34.34	6.02	33.31
AV	5.826G	104.06	Inf	-Inf	96.98	3	Vertical	336	1.14	-	34.36	6.03	33.31
PK	5.925G	60.48	68.20	-7.72	52.80	3	Vertical	336	1.14	-	34.90	6.13	33.35

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX

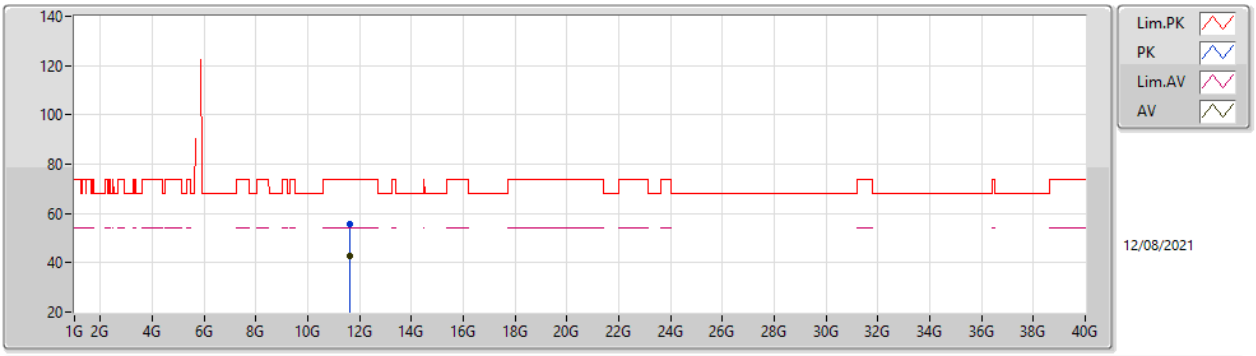


EUT Z_2TX
Setting 60
04-F-K-4-10

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	5.617G	58.45	68.20	-9.75	51.87	3	Horizontal	46	2.80	-	33.90	5.91	33.23
PK	5.824G	119.00	Inf	-Inf	111.95	3	Horizontal	46	2.80	-	34.34	6.02	33.31
AV	5.823G	107.12	Inf	-Inf	100.07	3	Horizontal	46	2.80	-	34.34	6.02	33.31
PK	5.924G	62.07	68.94	-6.87	54.40	3	Horizontal	46	2.80	-	34.90	6.12	33.35

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX

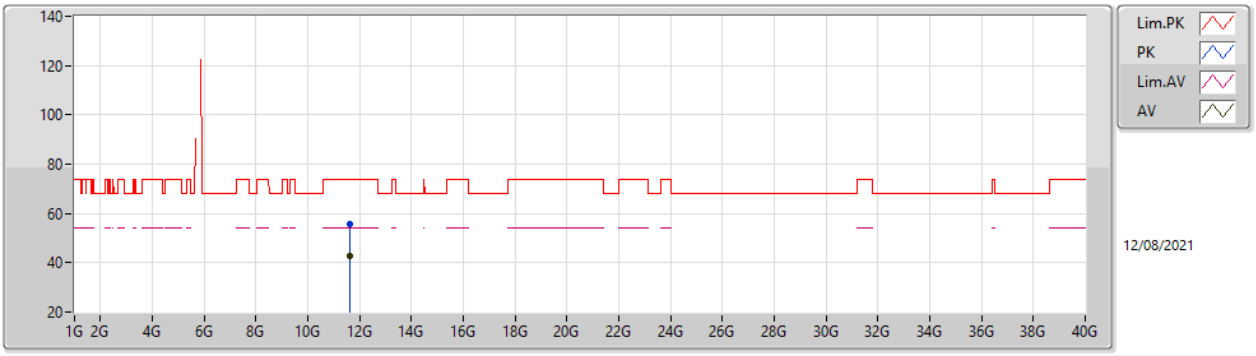


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6287G	55.56	74.00	-18.44	41.89	3	Vertical	174	1.60	-	39.07	9.41	34.81
AV	11.6348G	42.65	54.00	-11.35	28.97	3	Vertical	174	1.60	-	39.07	9.42	34.81

802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX

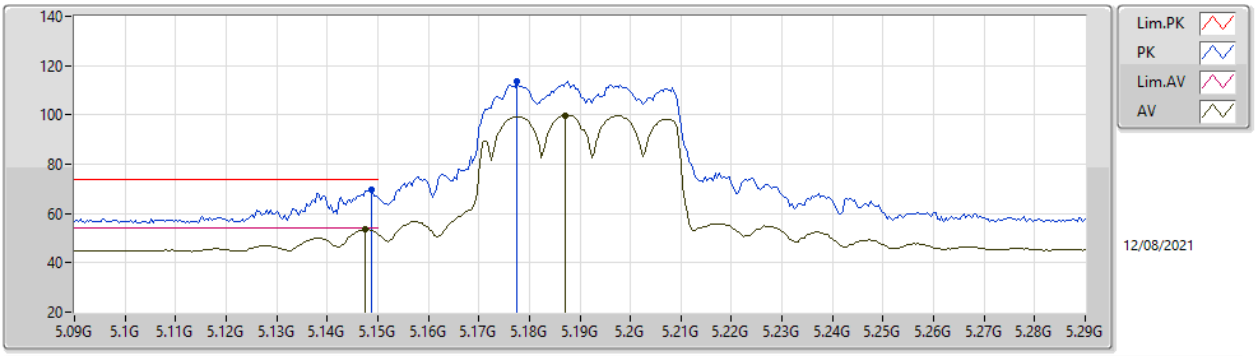


EUT Z_2TX
Setting 60
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6384G	55.68	74.00	-18.32	42.01	3	Horizontal	247	2.97	-	39.06	9.42	34.81
AV	11.6267G	42.64	54.00	-11.36	28.97	3	Horizontal	247	2.97	-	39.07	9.41	34.81

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

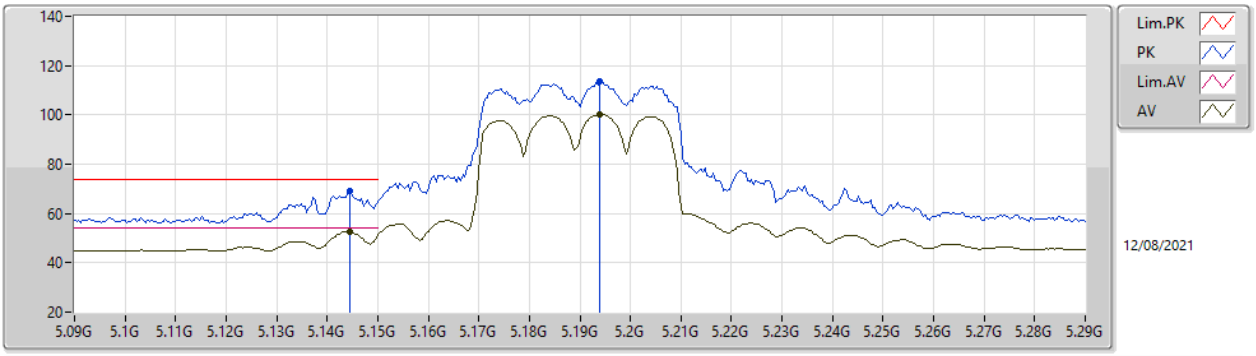


EUT Z_2TX
Setting 41
04-F-K-4-10

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	69.69	74.00	-4.31	64.41	3	Vertical	250	2.50	-	32.80	5.65	33.17
AV	5.1476G	53.74	54.00	-0.26	48.46	3	Vertical	250	2.50	-	32.80	5.65	33.17
PK	5.1776G	113.83	Inf	-Inf	108.46	3	Vertical	250	2.50	-	32.86	5.68	33.17
AV	5.1872G	99.91	Inf	-Inf	94.52	3	Vertical	250	2.50	-	32.87	5.69	33.17

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

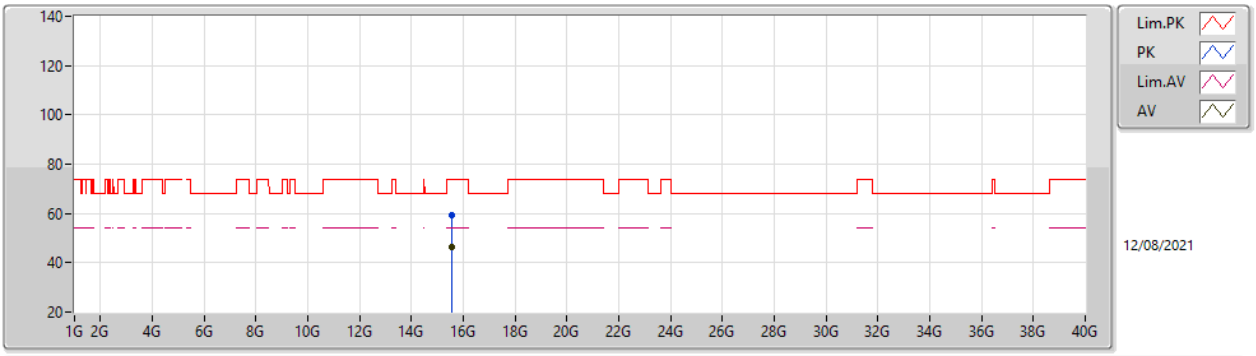


EUT Z_2TX
Setting 41
04-F-K-4-10

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	5.1444G	69.25	74.00	-4.75	63.98	3	Horizontal	125	2.44	-	32.80	5.64	33.17
AV	5.1444G	52.57	54.00	-1.43	47.30	3	Horizontal	125	2.44	-	32.80	5.64	33.17
PK	5.194G	113.59	Inf	-Inf	108.18	3	Horizontal	125	2.44	-	32.89	5.69	33.17
AV	5.194G	100.06	Inf	-Inf	94.65	3	Horizontal	125	2.44	-	32.89	5.69	33.17

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

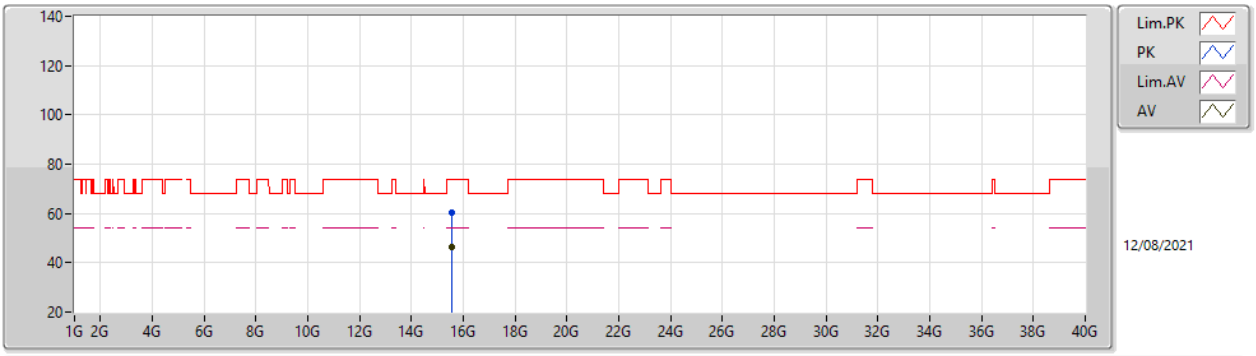


EUT Z_2TX
Setting 41
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.533G	59.47	74.00	-14.53	44.35	3	Vertical	158	2.76	-	38.50	11.75	35.13
AV	15.574G	46.54	54.00	-7.46	31.51	3	Vertical	158	2.76	-	38.38	11.78	35.13

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

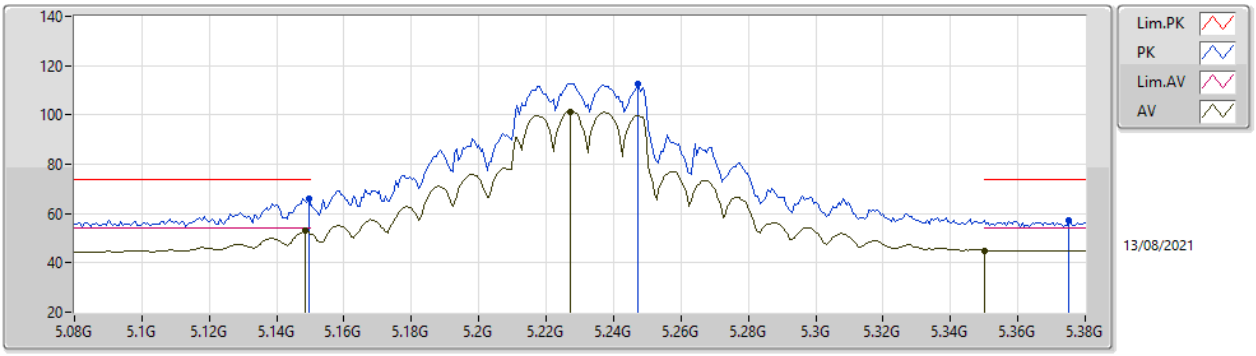


EUT Z_2TX
Setting 41
04-F-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5708G	60.32	74.00	-13.68	45.28	3	Horizontal	159	2.84	-	38.39	11.78	35.13
AV	15.5738G	46.57	54.00	-7.43	31.54	3	Horizontal	159	2.84	-	38.38	11.78	35.13

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TX

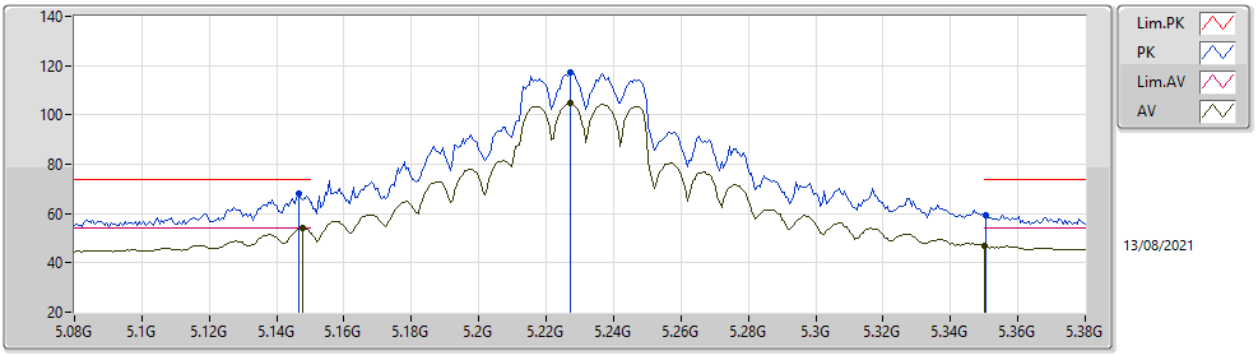


EUT Z_2TX
Setting 48
04-F-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1496G	66.29	74.00	-7.71	61.01	3	Vertical	258	1.80	-	32.80	5.65	33.17
AV	5.1484G	52.92	54.00	-1.08	47.64	3	Vertical	258	1.80	-	32.80	5.65	33.17
PK	5.2474G	112.82	Inf	-Inf	107.37	3	Vertical	258	1.80	-	32.90	5.72	33.17
AV	5.227G	101.34	Inf	-Inf	95.90	3	Vertical	258	1.80	-	32.90	5.71	33.17
PK	5.3752G	57.12	74.00	-16.88	51.31	3	Vertical	258	1.80	-	33.20	5.79	33.18
AV	5.35G	45.04	54.00	-8.96	39.43	3	Vertical	258	1.80	-	33.00	5.78	33.17

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TX

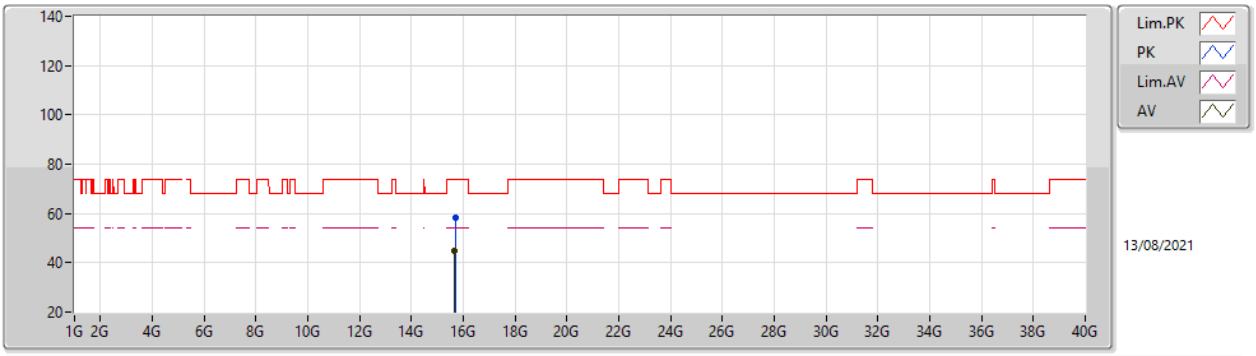


EUT Z_2TX
Setting 48
04-F-R-5-10

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	5.1466G	67.99	74.00	-6.01	62.71	3	Horizontal	146	2.76	-	32.80	5.65	33.17
AV	5.1478G	53.98	54.00	-0.02	48.70	3	Horizontal	146	2.76	-	32.80	5.65	33.17
PK	5.227G	117.43	Inf	-Inf	111.99	3	Horizontal	146	2.76	-	32.90	5.71	33.17
AV	5.227G	104.61	Inf	-Inf	99.17	3	Horizontal	146	2.76	-	32.90	5.71	33.17
PK	5.3506G	59.25	74.00	-14.75	53.64	3	Horizontal	146	2.76	-	33.00	5.78	33.17
AV	5.35G	46.75	54.00	-7.25	41.14	3	Horizontal	146	2.76	-	33.00	5.78	33.17

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TX

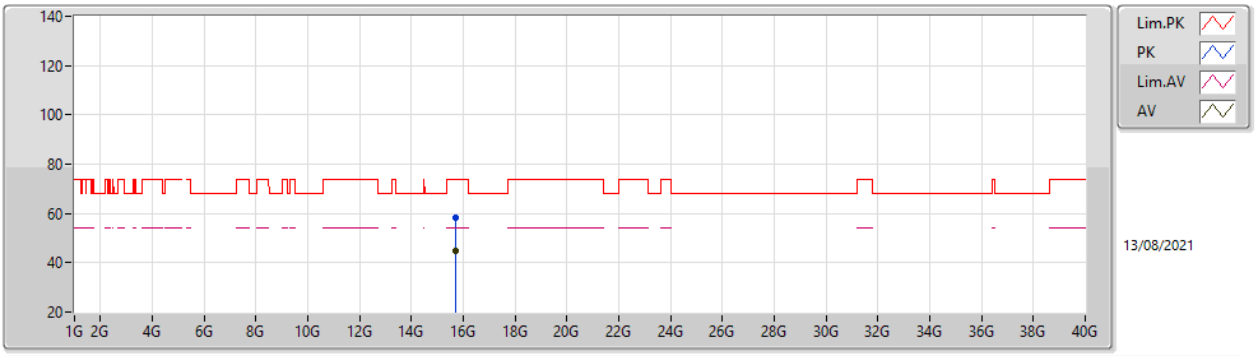


EUT Z_2TX
Setting 48
04-F-R-5

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	15.69216G	58.04	74.00	-15.96	42.83	3	Vertical	87	2.90	-	38.48	11.87	35.14
AV	15.675G	44.81	54.00	-9.19	29.64	3	Vertical	87	2.90	-	38.45	11.86	35.14

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TX

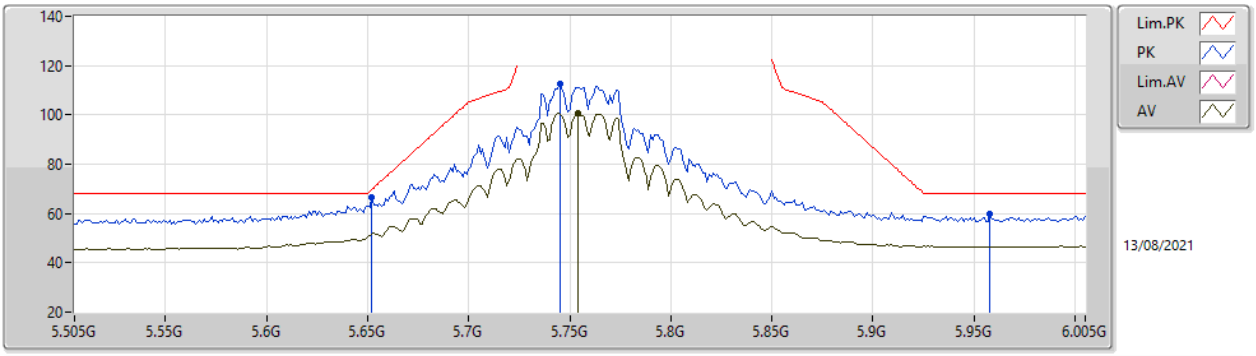


EUT Z_2TX
Setting 48
04-F-R-5

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	15.69444G	58.23	74.00	-15.77	43.01	3	Horizontal	133	1.39	-	38.49	11.87	35.14
AV	15.7044G	44.75	54.00	-9.25	29.51	3	Horizontal	133	1.39	-	38.50	11.88	35.14

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TX

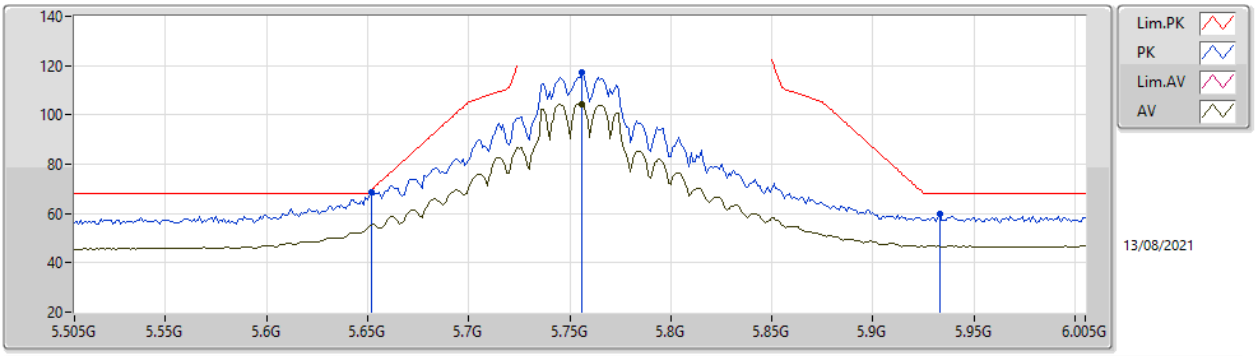


EUT Z_2TX
Setting 46
04-F-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.652G	66.68	69.68	-3.00	60.09	3	Vertical	297	1.31	-	33.90	5.93	33.24
PK	5.745G	112.54	Inf	-Inf	105.67	3	Vertical	297	1.31	-	34.18	5.97	33.28
AV	5.754G	100.61	Inf	-Inf	93.71	3	Vertical	297	1.31	-	34.20	5.98	33.28
PK	5.958G	59.63	68.20	-8.57	51.80	3	Vertical	297	1.31	-	35.03	6.16	33.36

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TX

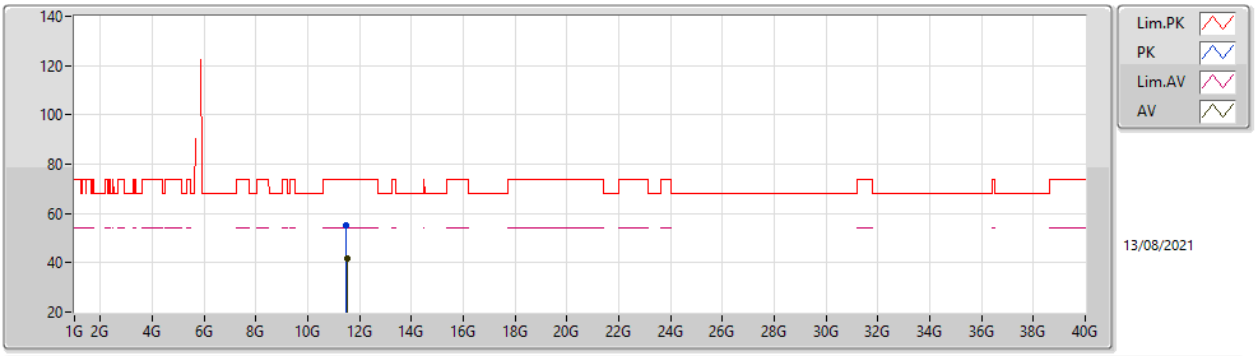


EUT Z_2TX
Setting 46
04-F-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.652G	68.77	69.68	-0.91	62.18	3	Horizontal	52	2.89	-	33.90	5.93	33.24
PK	5.756G	117.41	Inf	-Inf	110.51	3	Horizontal	52	2.89	-	34.20	5.98	33.28
AV	5.756G	104.40	Inf	-Inf	97.50	3	Horizontal	52	2.89	-	34.20	5.98	33.28
PK	5.933G	59.68	68.20	-8.52	51.97	3	Horizontal	52	2.89	-	34.93	6.13	33.35

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TX

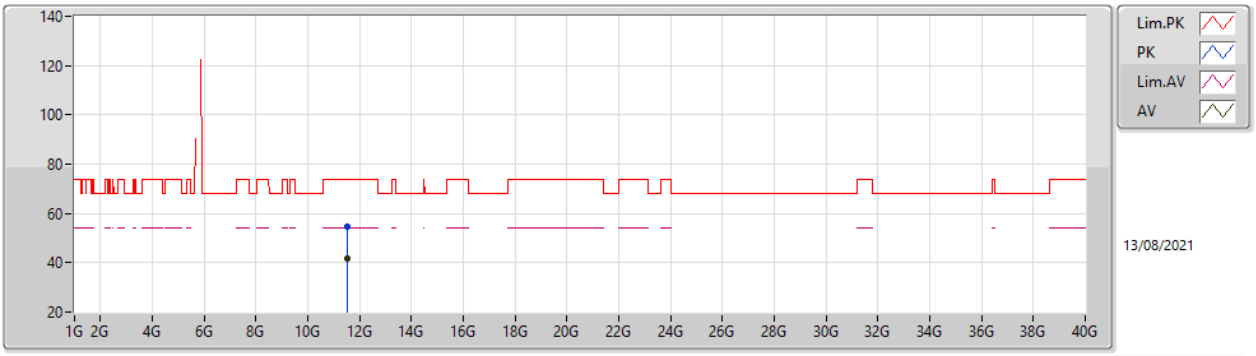


EUT Z_2TX
Setting 46
04-F-R-5

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	11.49956G	55.27	74.00	-18.73	41.48	3	Vertical	263	1.54	-	39.20	9.35	34.76
AV	11.50382G	41.96	54.00	-12.04	28.17	3	Vertical	263	1.54	-	39.20	9.35	34.76

802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TX

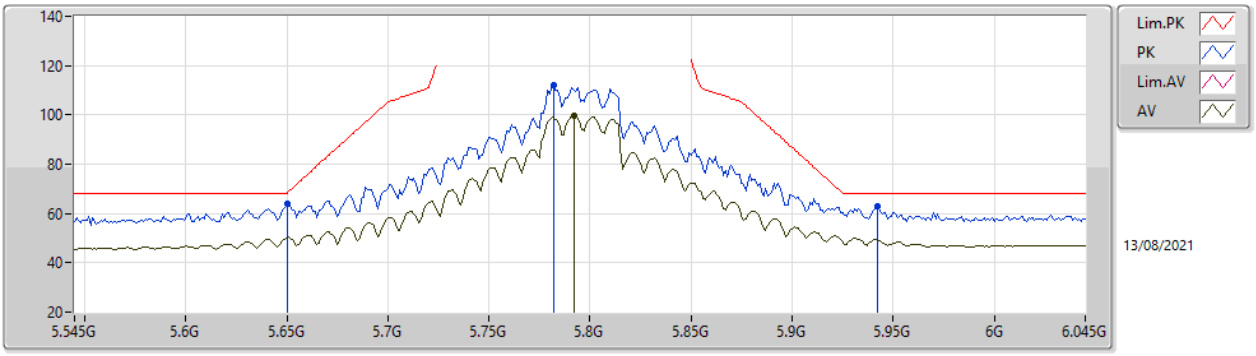


EUT Z_2TX
Setting 46
04-F-R-5

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	11.51408G	54.88	74.00	-19.12	41.10	3	Horizontal	56	1.52	-	39.19	9.36	34.77
AV	11.50898G	41.95	54.00	-12.05	28.17	3	Horizontal	56	1.52	-	39.19	9.35	34.76

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TX

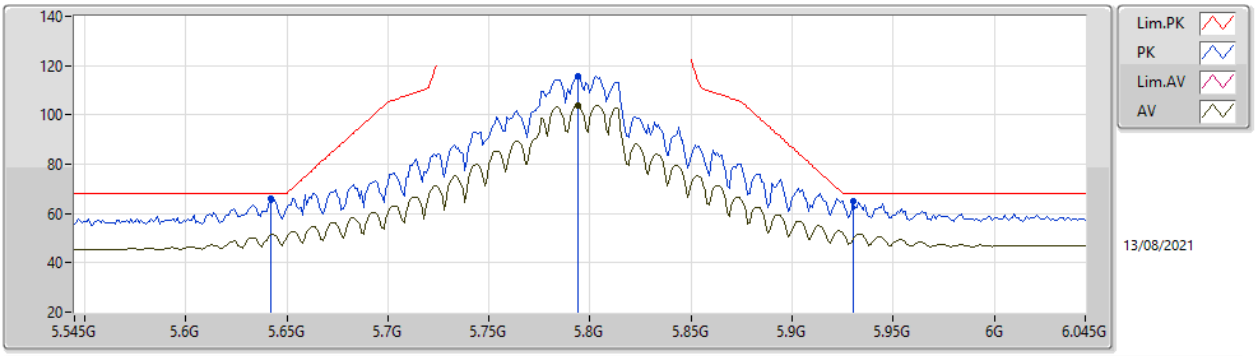


EUT Z_2TX
Setting 60
04-F-R-5-10

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	5.65G	63.99	68.20	-4.21	57.40	3	Vertical	165	1.10	-	33.90	5.93	33.24
PK	5.782G	112.29	Inf	-Inf	105.39	3	Vertical	165	1.10	-	34.20	5.99	33.29
AV	5.792G	99.68	Inf	-Inf	92.78	3	Vertical	165	1.10	-	34.20	6.00	33.30
PK	5.942G	62.69	68.20	-5.51	54.94	3	Vertical	165	1.10	-	34.97	6.14	33.36

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TX

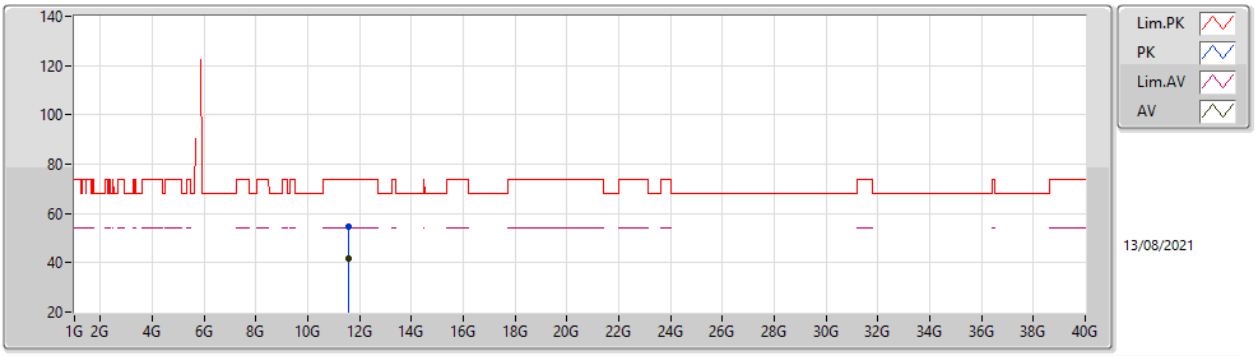


EUT Z_2TX
Setting 60
04-F-R-5-10

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	5.642G	65.78	68.20	-2.42	59.20	3	Horizontal	47	2.84	-	33.90	5.92	33.24
PK	5.794G	115.56	Inf	-Inf	108.66	3	Horizontal	47	2.84	-	34.20	6.00	33.30
AV	5.794G	103.78	Inf	-Inf	96.88	3	Horizontal	47	2.84	-	34.20	6.00	33.30
PK	5.93G	64.85	68.20	-3.35	57.15	3	Horizontal	47	2.84	-	34.92	6.13	33.35

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TX

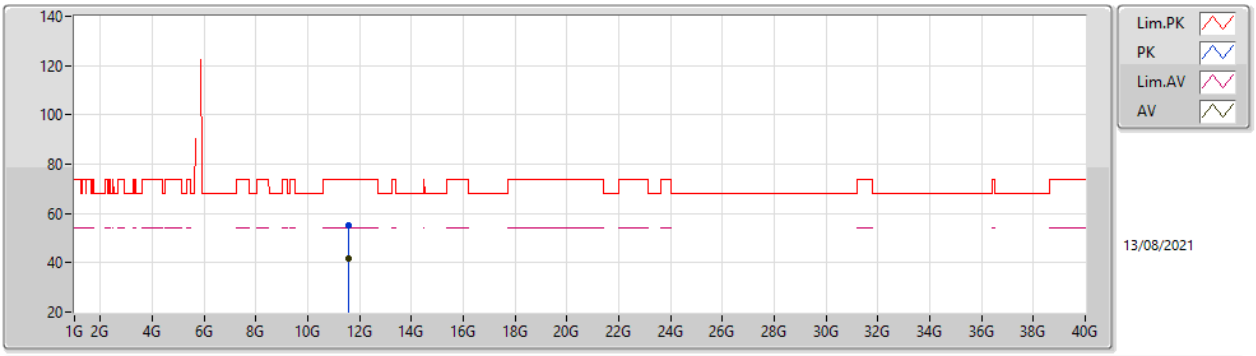


EUT Z_2TX
Setting 60
04-F-R-5

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	11.58436G	54.82	74.00	-19.18	41.10	3	Vertical	213	2.81	-	39.12	9.39	34.79
AV	11.57524G	41.64	54.00	-12.36	27.92	3	Vertical	213	2.81	-	39.12	9.39	34.79

802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TX

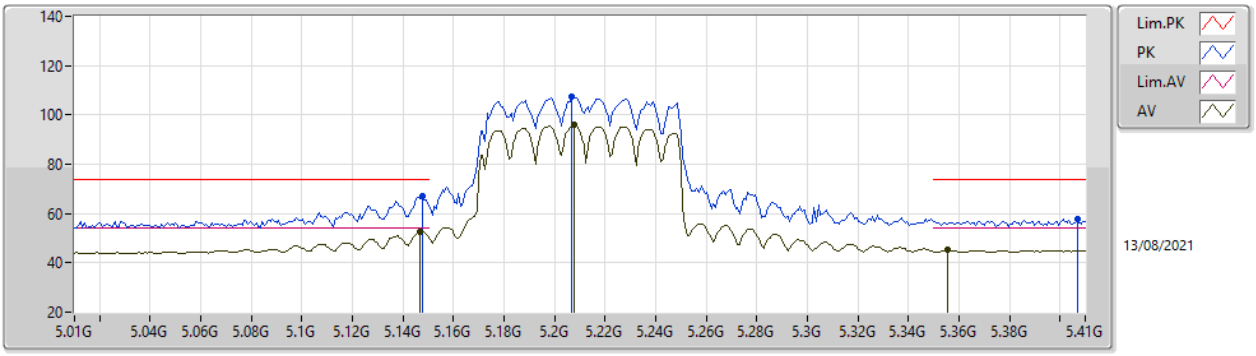


EUT Z_2TX
Setting 60
04-F-R-5

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	11.58184G	55.06	74.00	-18.94	41.34	3	Horizontal	178	2.71	-	39.12	9.39	34.79
AV	11.57836G	41.54	54.00	-12.46	27.82	3	Horizontal	178	2.71	-	39.12	9.39	34.79

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

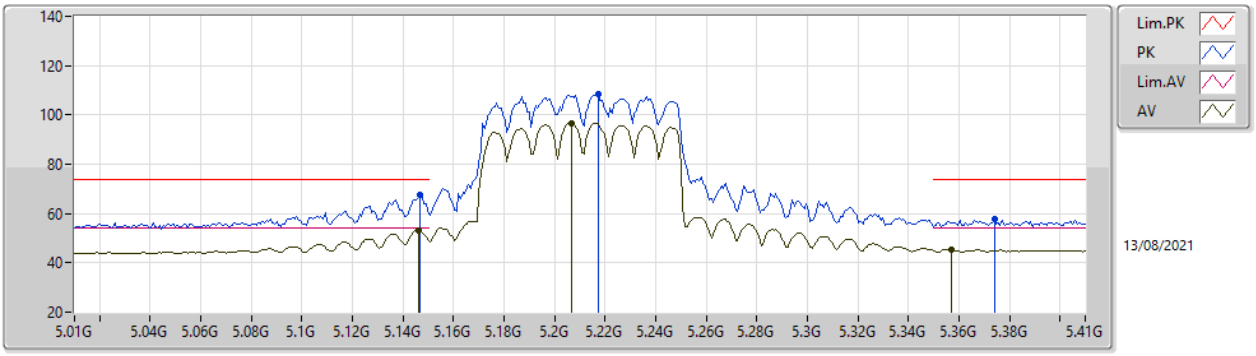


EUT Z_2TX
Setting 40
04-F-R-5-10

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	66.95	74.00	-7.05	61.67	3	Vertical	248	2.62	-	32.80	5.65	33.17
AV	5.1468G	52.69	54.00	-1.31	47.41	3	Vertical	248	2.62	-	32.80	5.65	33.17
PK	5.2068G	107.32	Inf	-Inf	101.89	3	Vertical	248	2.62	-	32.90	5.70	33.17
AV	5.2076G	95.89	Inf	-Inf	90.46	3	Vertical	248	2.62	-	32.90	5.70	33.17
PK	5.4068G	57.78	74.00	-16.22	51.73	3	Vertical	248	2.62	-	33.43	5.80	33.18
AV	5.3556G	45.09	54.00	-8.91	39.44	3	Vertical	248	2.62	-	33.04	5.78	33.17

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

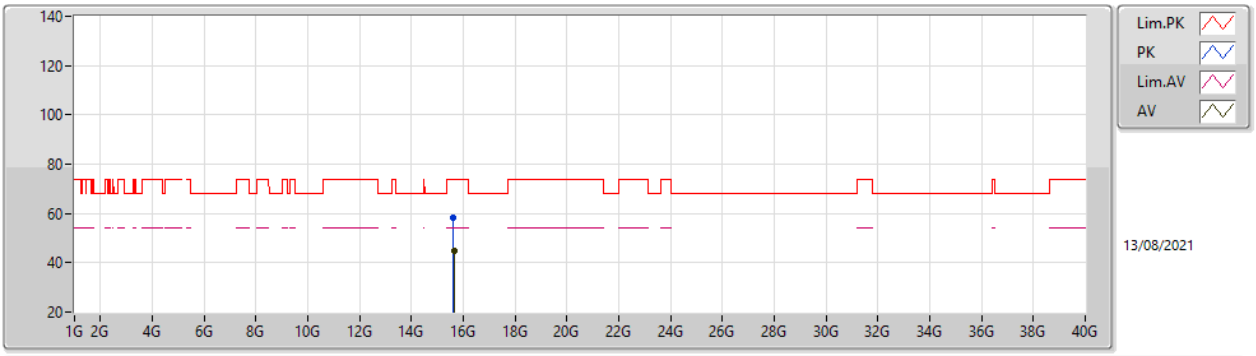


EUT Z_2TX
Setting 40
04-F-R-5-10

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	67.70	74.00	-6.30	62.42	3	Horizontal	357	1.02	-	32.80	5.65	33.17
AV	5.146G	53.32	54.00	-0.68	48.04	3	Horizontal	357	1.02	-	32.80	5.65	33.17
PK	5.2172G	108.40	Inf	-Inf	102.96	3	Horizontal	357	1.02	-	32.90	5.71	33.17
AV	5.2068G	96.70	Inf	-Inf	91.27	3	Horizontal	357	1.02	-	32.90	5.70	33.17
PK	5.374G	57.94	74.00	-16.06	52.13	3	Horizontal	357	1.02	-	33.19	5.79	33.17
AV	5.3572G	45.54	54.00	-8.46	39.87	3	Horizontal	357	1.02	-	33.06	5.78	33.17

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

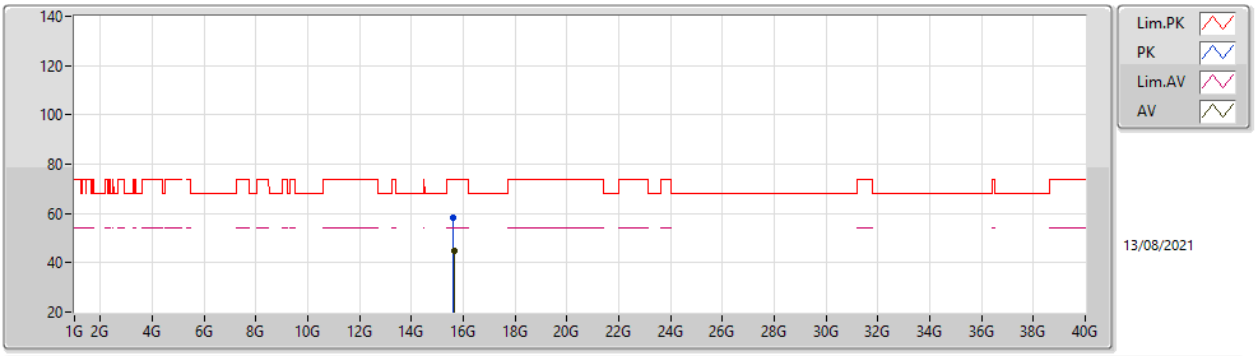


EUT Z_2TX
Setting 40
04-F-R-5

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	15.62514G	58.33	74.00	-15.67	43.30	3	Vertical	153	2.63	-	38.35	11.82	35.14
AV	15.6396G	44.95	54.00	-9.05	29.88	3	Vertical	153	2.63	-	38.38	11.83	35.14

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

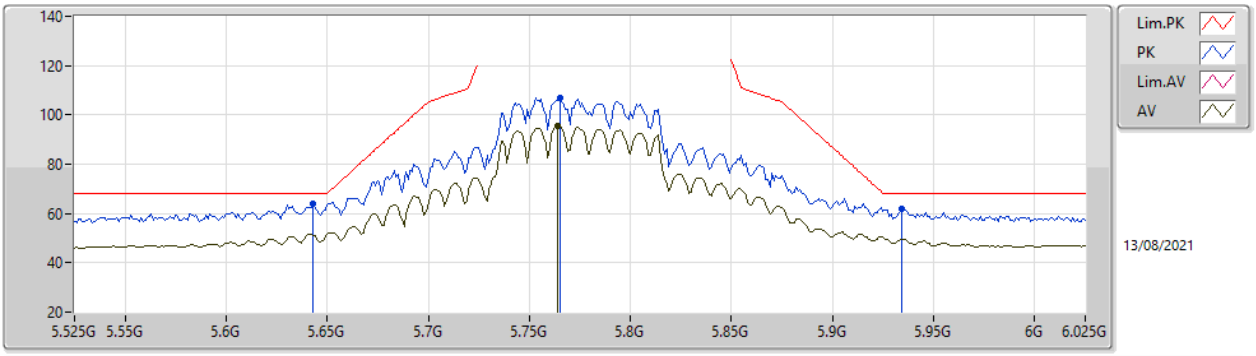


EUT Z_2TX
Setting 40
04-F-R-5

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	15.6255G	58.42	74.00	-15.58	43.39	3	Horizontal	168	2.42	-	38.35	11.82	35.14
AV	15.6399G	45.08	54.00	-8.92	30.01	3	Horizontal	168	2.42	-	38.38	11.83	35.14

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX

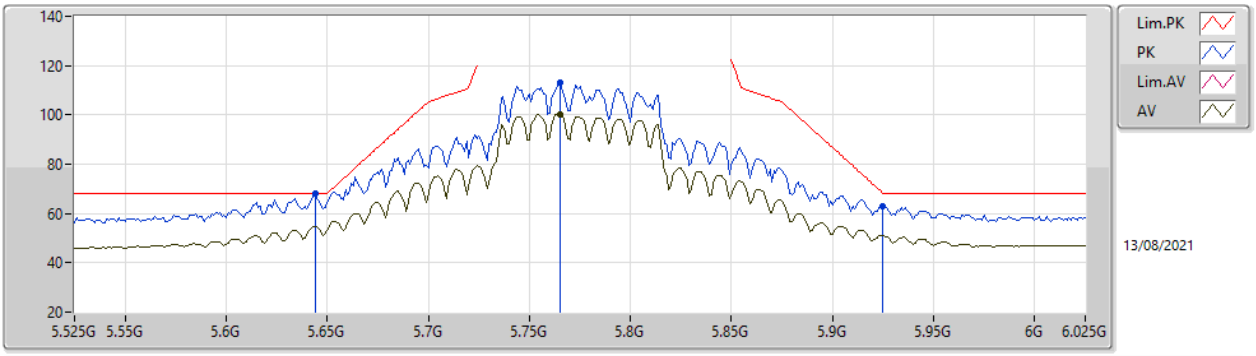


EUT Z_2TX
Setting 43
04-F-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.643G	64.08	68.20	-4.12	57.50	3	Vertical	152	1.42	-	33.90	5.92	33.24
PK	5.765G	106.92	Inf	-Inf	100.03	3	Vertical	152	1.42	-	34.20	5.98	33.29
AV	5.764G	95.64	Inf	-Inf	88.75	3	Vertical	152	1.42	-	34.20	5.98	33.29
PK	5.934G	61.82	68.20	-6.38	54.10	3	Vertical	152	1.42	-	34.94	6.13	33.35

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX

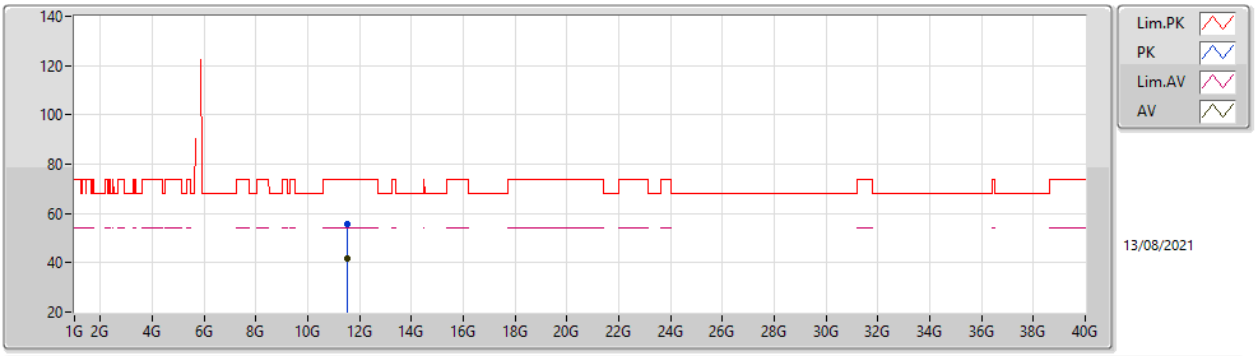


EUT Z_2TX
Setting 43
04-F-R-5-10

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	68.08	68.20	-0.12	61.50	3	Horizontal	50	2.87	-	33.90	5.92	33.24
PK	5.765G	113.07	Inf	-Inf	106.18	3	Horizontal	50	2.87	-	34.20	5.98	33.29
AV	5.765G	100.41	Inf	-Inf	93.52	3	Horizontal	50	2.87	-	34.20	5.98	33.29
PK	5.925G	62.99	68.20	-5.21	55.31	3	Horizontal	50	2.87	-	34.90	6.13	33.35

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX

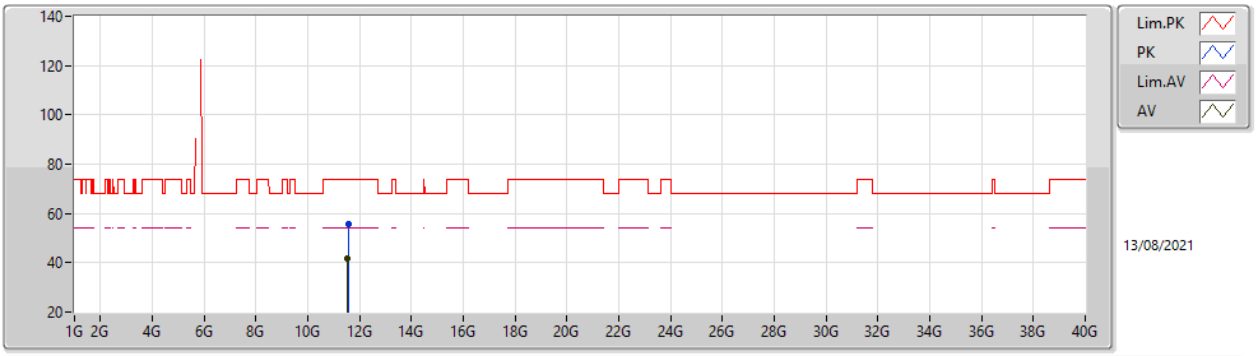


EUT Z_2TX
Setting 43
04-F-R-5

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	11.54754G	55.59	74.00	-18.41	41.85	3	Vertical	268	1.11	-	39.15	9.37	34.78
AV	11.5395G	41.94	54.00	-12.06	28.19	3	Vertical	268	1.11	-	39.16	9.37	34.78

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX



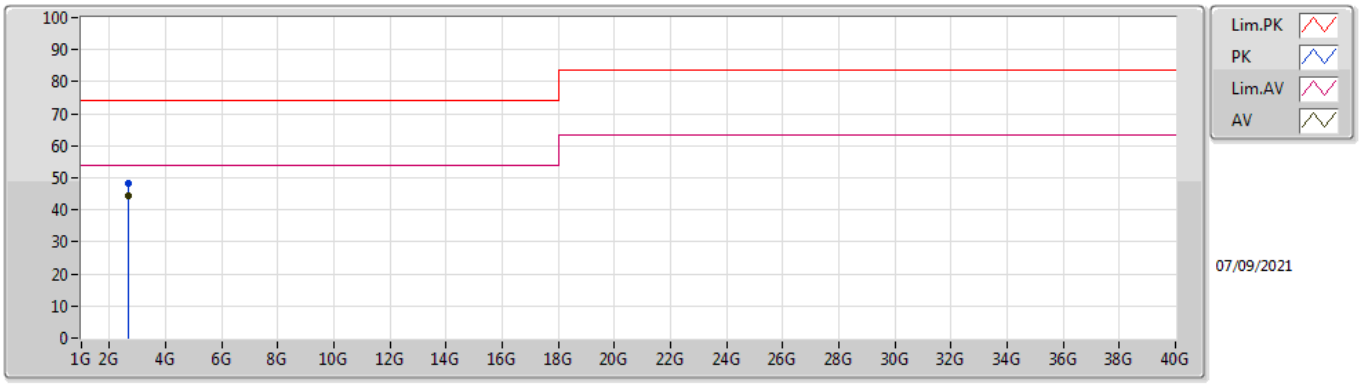
EUT Z_2TX
Setting 43
04-F-R-5

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	11.56404G	55.58	74.00	-18.42	41.84	3	Horizontal	69	1.21	-	39.14	9.38	34.78
AV	11.54118G	41.94	54.00	-12.06	28.19	3	Horizontal	69	1.21	-	39.16	9.37	34.78

Summary

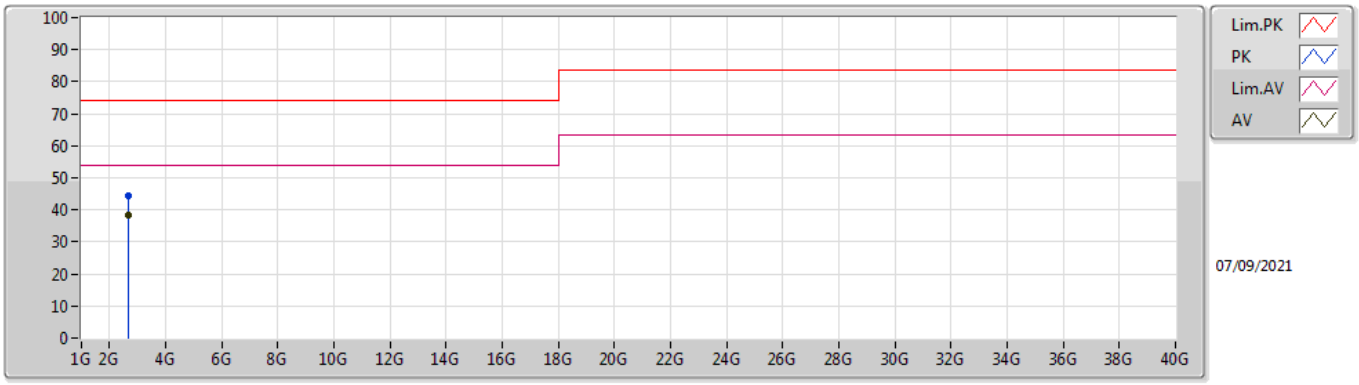
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	2.68801G	44.36	54.00	-9.64	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	2.68808G	48.38	74.00	-25.62	-2.30	3	Vertical	199	1.54	-	50.68	27.73	3.48	33.51
AV	2.68801G	44.36	54.00	-9.64	-2.30	3	Vertical	199	1.54	"Worst"	46.66	27.73	3.48	33.51

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	2.68797G	44.47	74.00	-29.53	-2.30	3	Horizontal	144	1.00	-	46.77	27.73	3.48	33.51
AV	2.68801G	38.20	54.00	-15.80	-2.30	3	Horizontal	144	1.00	"Worst"	40.50	27.73	3.48	33.51