



RADIO TEST REPORT

FCC ID : Z8H89FT0074
Equipment : ePMP 5GHz Force 4525 SM
Brand Name : Cambium Networks
Model Name : ePMP 5GHz Force 4525 SM
Applicant : Cambium Networks Inc.
3800 Golf Road, Suite 360 Rolling Meadows, IL 60008, USA
Manufacturer : Cambium Networks, Ltd.
Ashburton, TQ13 7UP, UK
Standard : 47 CFR FCC Part 15.407

The product was received on Aug. 31, 2022, and testing was started from Sep. 08, 2022 and completed on Feb. 17, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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Report Template No.: CB-A12_1 Ver1.4



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

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: Cathy Chiu**



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	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX

Note:

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

1.1.2 Antenna Information

Set	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	Cambium	ePMP 5GHz Force 4525 SM	Dish Antenna	N/A	24.57
	2					
2	1	Cambium	ePMP 5GHz Force 4525 SM	Dipole Antenna	N/A	2
	2					

Set.	Point-to-Multipoint	Point-to-Point
1	No	Yes
2	Yes	No

Note1: The above information was declared by manufacturer.

Note2: There are 2 set antennas in the antenna table list.

Note3: 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 $N_{ANT} \leq 4$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$$

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

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

Where ;

Dipole

$$5G \ G1 = 2 \text{ dBi} ; 5G \ G2 = 2 \text{ dBi} ; DG = 5.01 \text{ dBi}$$

Printed Cross-Polarized Antenna

$$5G \ G1 = 24.57 \text{ dBi} ; 5G \ G2 = 24.57 \text{ dBi} ; DG = 24.57 \text{ dBi}$$



For 5GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.642	1.92	1.978m	1k
802.11ax HEW20	0.911	0.4	5.455m	300
802.11ax HEW40	0.908	0.42	5.453m	300
802.11ax HEW80	0.932	0.31	5.455m	300

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Outdoor P2M for antenna set 2	☐	Indoor P2M
	☒	Fixed P2P for antenna set 1	☐	Client
	☒	Point-to-multipoint for antenna set 2	☒	Point-to-point for antenna set 1
TPC Function	☒	With TPC	☐	Without TPC
Channel Puncturing Function	☐	Supported	☒	Unsupported
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	QSPR V5.0-00199			

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

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



1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	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	Lance Wu	24.5-24.9 / 52-59	Sep. 13, 2022~ Feb. 17, 2023
Radiated Below 1GHz	03CH03-CB	Gordon Hong	19.2-20.3 / 57-59	Sep. 08, 2022~ Nov. 09, 2022
Radiated Above 1GHz-Ant. Set 1	03CH02-CB	Gordon Hong	20-21 / 55-58	Sep. 08, 2022~ Nov. 09, 2022
	03CH03-CB	Gordon Hong	24.2-25.3 / 56-59	Sep. 08, 2022~ Nov. 09, 2022
Radiated Above 1GHz-Ant. Set 2	03CH01-CB	Gordon Hong	21.8-22.9 / 55-58	Sep. 08, 2022~ Nov. 09, 2022
AC Conduction	CO01-CB	Elvin Yeh	23-24 / 56-57	Feb. 07, 2023

1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

For Ant. Set 1

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	15
5200MHz	17
5240MHz	17
5745MHz	21.5
5785MHz	21.5
5825MHz	20
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	16.5
5200MHz	16.5
5240MHz	16.5
5745MHz	22
5785MHz	22
5825MHz	22
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	13
5230MHz	15.5
5755MHz	21
5795MHz	20.5
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	12.5
5775MHz	19

For Ant. Set 2

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	16.5
5200MHz	16.5
5240MHz	16.5
5745MHz	28
5785MHz	28
5825MHz	28
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	16.5
5200MHz	16.5



Mode	Power Setting
5240MHz	16.5
5745MHz	21.5
5785MHz	28
5825MHz	28
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	15.5
5230MHz	16
5755MHz	24
5795MHz	28
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	16.5
5775MHz	25

Note:

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

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	Normal Link - EUT (AP) + Ant. Set 1 + PoE

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
1	EUT + Ant. Set 1
2	EUT + Ant. Set 2

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions below 1GHz
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	Normal Link - EUT (AP) in Z axis + Ant. Set 1 + PoE
2	Normal Link - EUT (AP) in Y axis + Ant. Set 1 + PoE
3	Normal Link - EUT (AP) in X axis + Ant. Set 1 + PoE
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode	CTX (Cabinet) The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Y axis from Unwanted Emissions above 1GHz, thus the measurement will follow this same test configuration.
1	EUT in Y axis + Ant. Set 2 + PoE
Test Condition	Conducted measurement at transmit chains
Operating Mode	CTX
1	EUT + Ant. Set 2 + PoE

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions above 1GHz
Test Condition	Radiated measurement
Operating Mode	CTX
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found as below, thus the measurement will follow this same test configuration.
1	EUT in X axis + Ant. Set 1
2	EUT in Y axis + Ant. Set 2 (Cabinet)
Test Condition	Conducted measurement at transmit chains
Operating Mode	CTX
1	EUT + Ant. Set 2

Note: The PoE below is for measurement only, would not be marketed.

The PoE information as below:

Support Unit	Brand Name	Model Number
PoE	CWT	P015U06

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

N/A



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	CWT	P015U06	N/A
B	LAN1 NB	DELL	E6430	N/A
C	LAN2 NB	DELL	E6430	N/A
D	PoE	CWT	P015U06	N/A
E	Device	Cambium	F4525	N/A

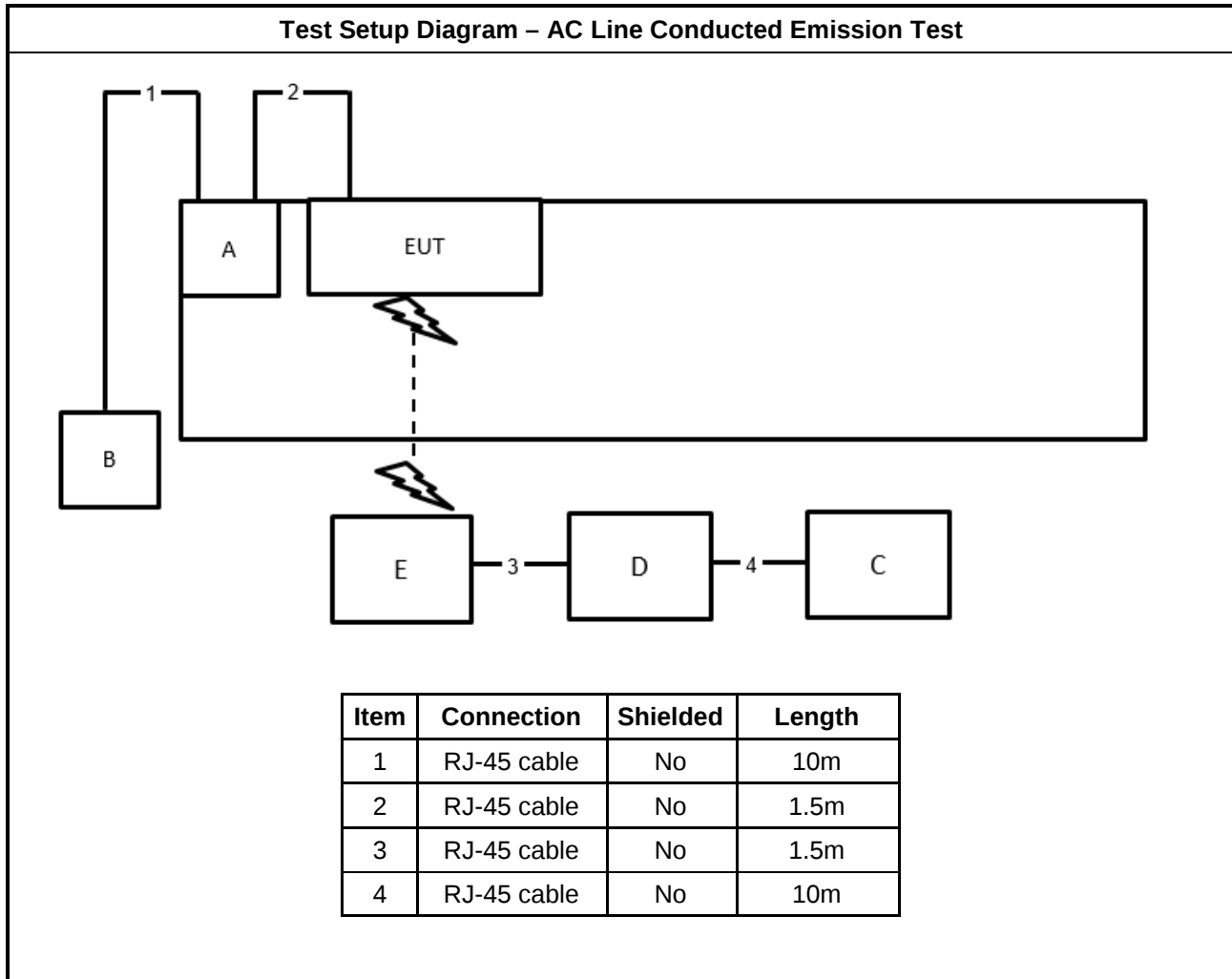
For Radiated (below 1GHz):

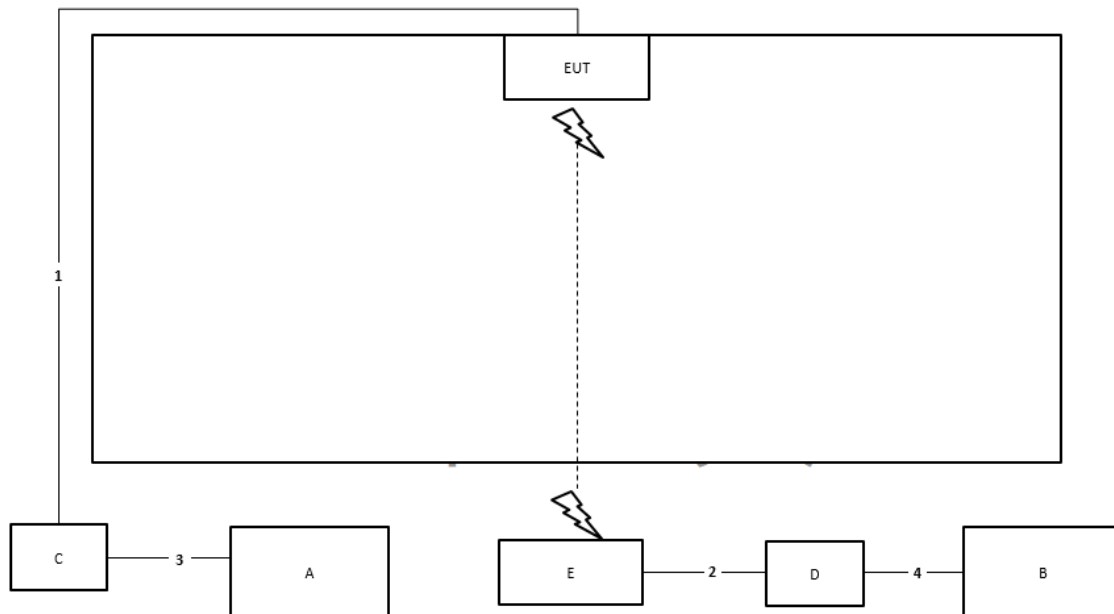
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	PoE	CWT	P015U06	N/A
D	PoE	CWT	P015U06	N/A
E	Device	Cambium	F4525	N/A

For Radiated (above 1GHz) and RF Conducted:

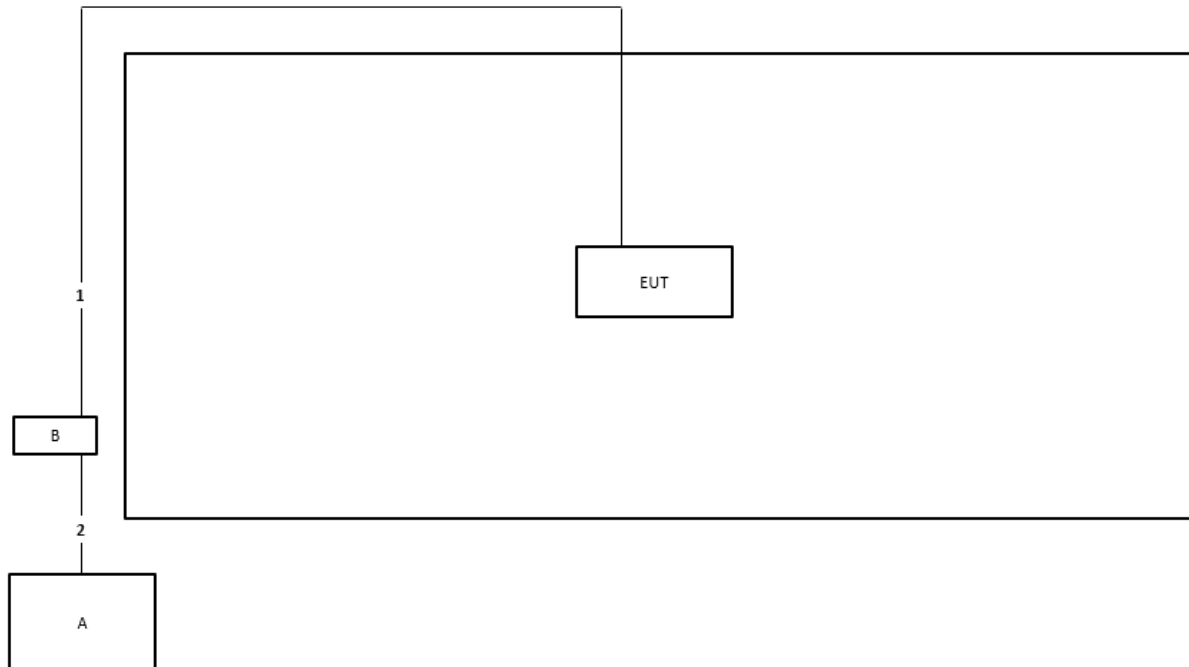
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	CWT	P015U06	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


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

Test Setup Diagram - Radiated Test > 1GHz


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

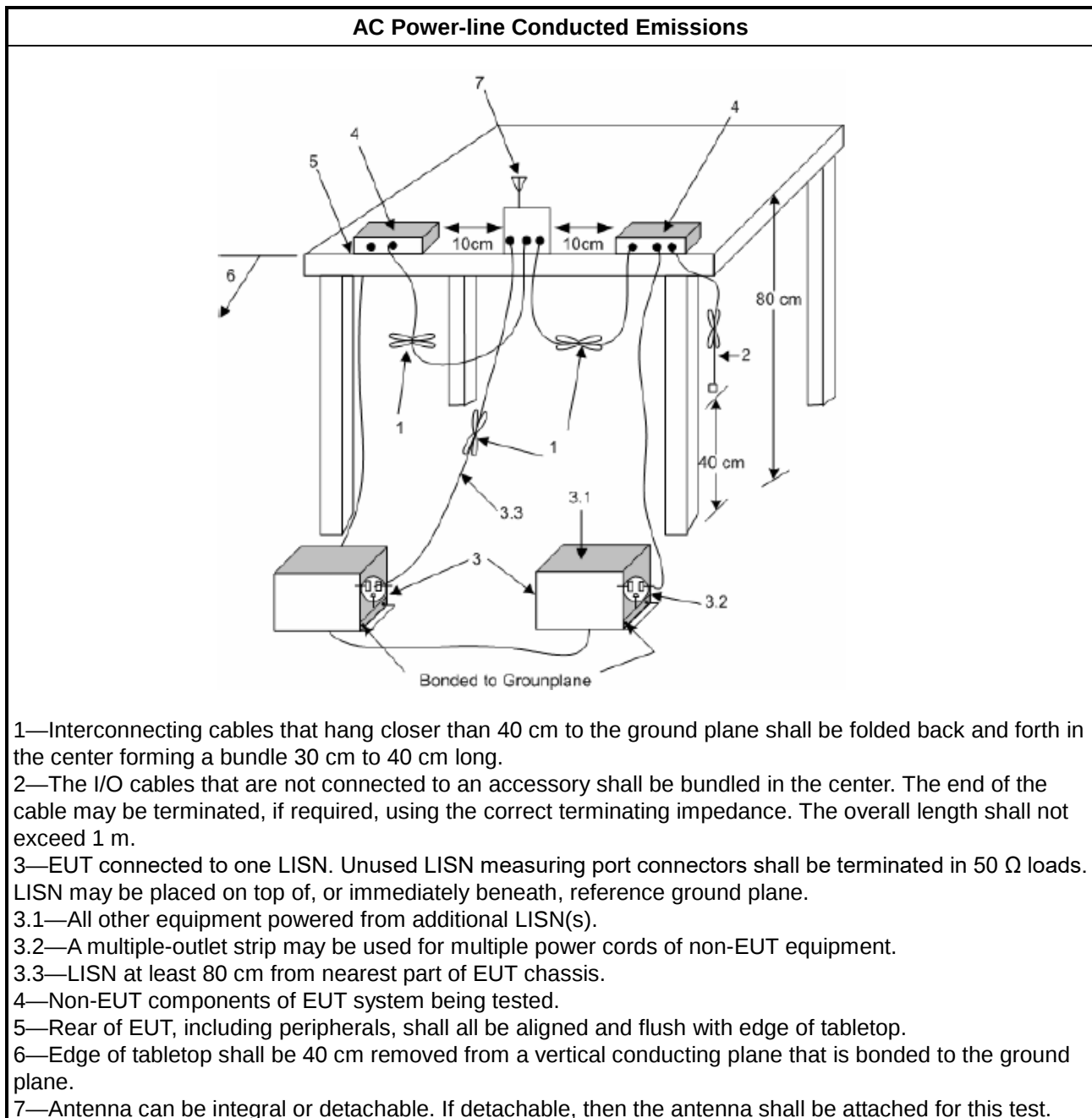
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

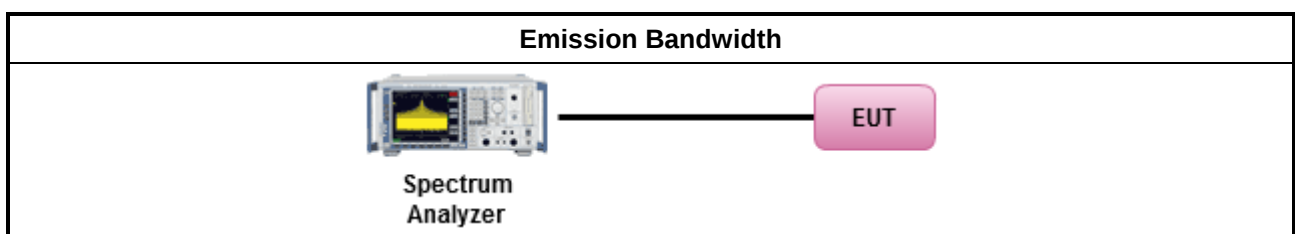
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Output Power

3.3.1 Limit

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

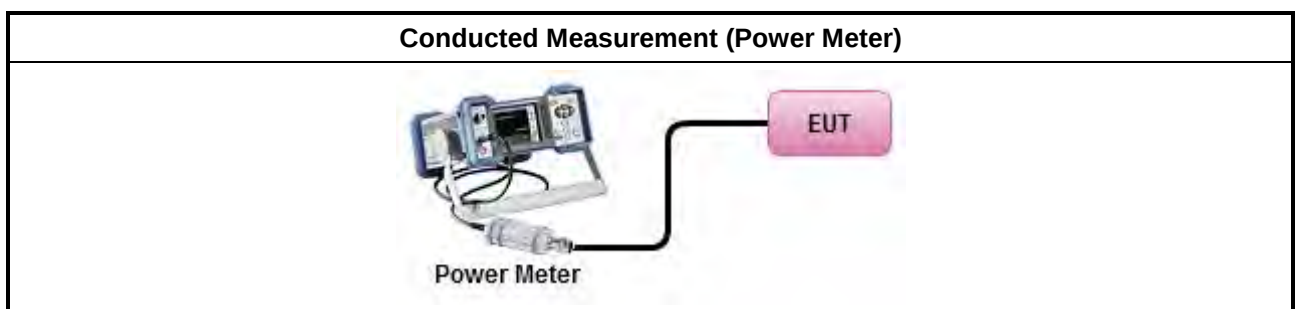
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Limit

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

3.4.2 Measuring Instruments

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

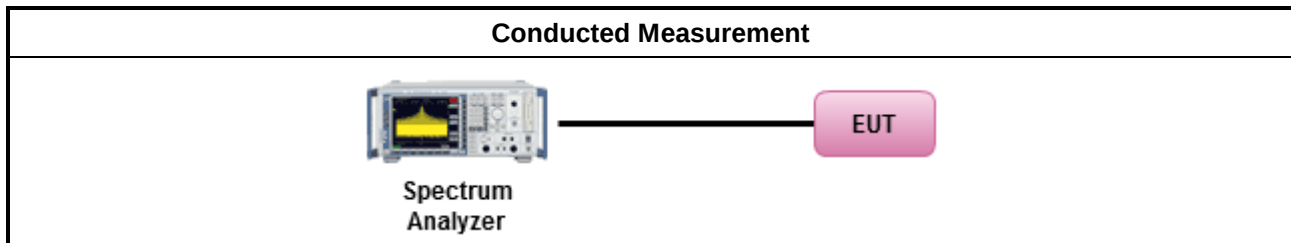


3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐	Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth [duty cycle ≥ 98% or external video / power trigger]
☒	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed) duty cycle < 98% and average over on/off periods with duty factor
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
☒ For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	
☐ For radiated measurement.	
Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"	
Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
☒ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of



linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

3.5.2 Measuring Instruments

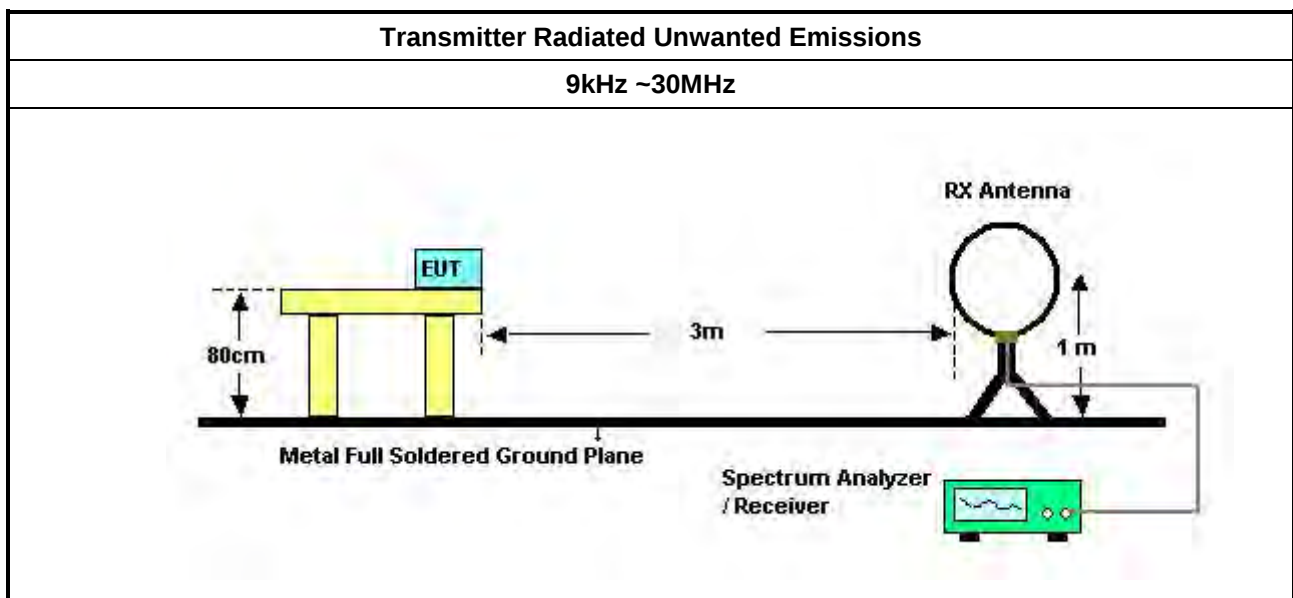
Refer a test equipment and calibration data table in this test report.

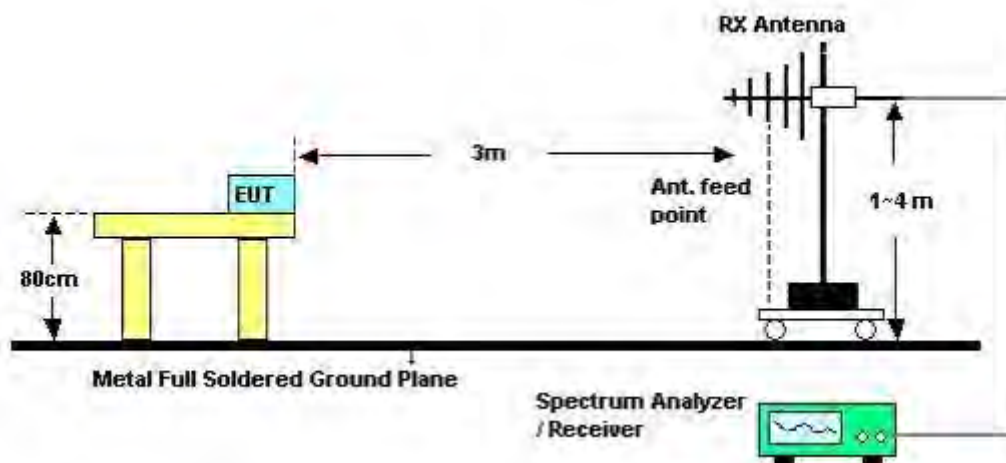
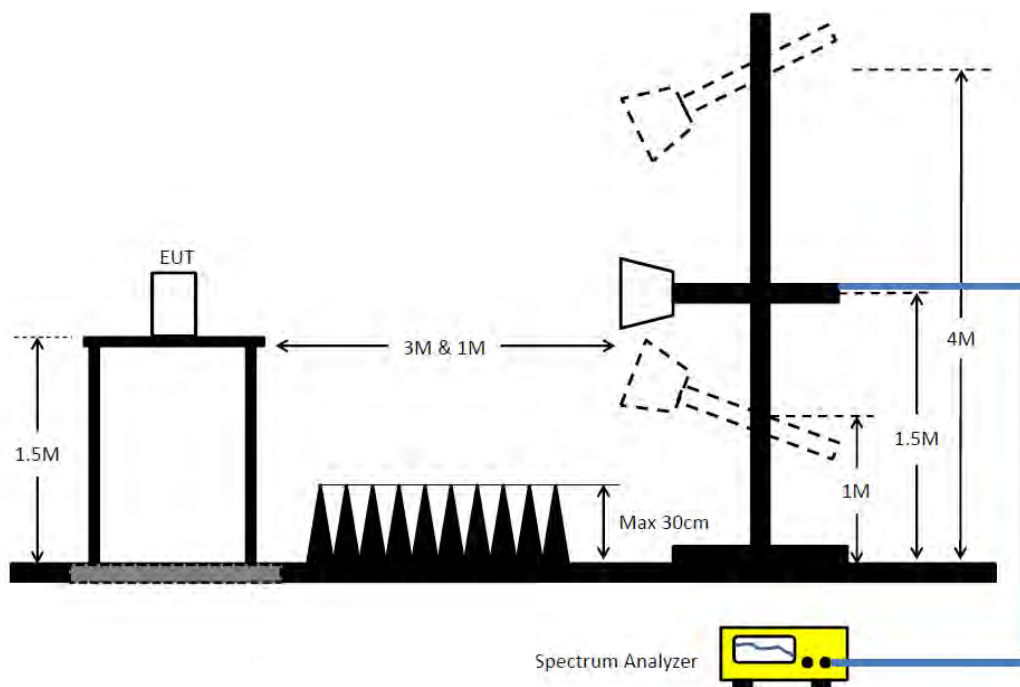
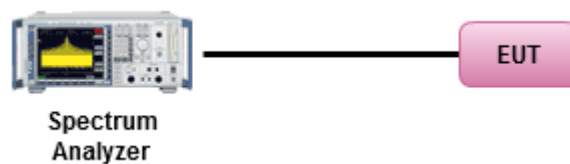
3.5.3 Test Procedures

Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.	
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

Test Method	
For conducted and cabinet radiation measurement, refer as FCC KDB 789033 D02, clause G)3).	
	For conducted unwanted emissions into non-restricted bands (relative emission limits). Devices with multiple transmit chains: Refer as FCC KDB 662911, when testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N) if the measurements are made relative to the in-band emissions on the individual outputs.
	For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.5.4 Test Setup



30MHz~1GHz

Above 1GHz

Transmitter Conducted Unwanted Emissions




3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-5 0-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 26, 2022	Jan. 25, 2023	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 05, 2022	May 04, 2023	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 21, 2022	Feb. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	ETS-Lindgren	3115	6821	750MHz~18GHz	Jan. 21, 2022	Jan. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 10, 2022	Jan. 09, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH03-CB)
Pre-Amplifier	EM	EM18G40G A	060874	18GHz ~ 40GHz	Aug. 23 2022	Aug. 22 2023	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 10, 2022	Jun. 09, 2023	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Dec. 05, 2022	Dec. 04, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2021	Nov. 05, 2022	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 19, 2022	May 18, 2023	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35 -HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2022	May 26, 2023	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz – 26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz – 26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 26.5 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 26.5 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 26.5 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 26.5 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 21, 2022	Feb. 20, 2023	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 21, 2022	Feb. 20, 2023	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

NCR means Non-Calibration required.



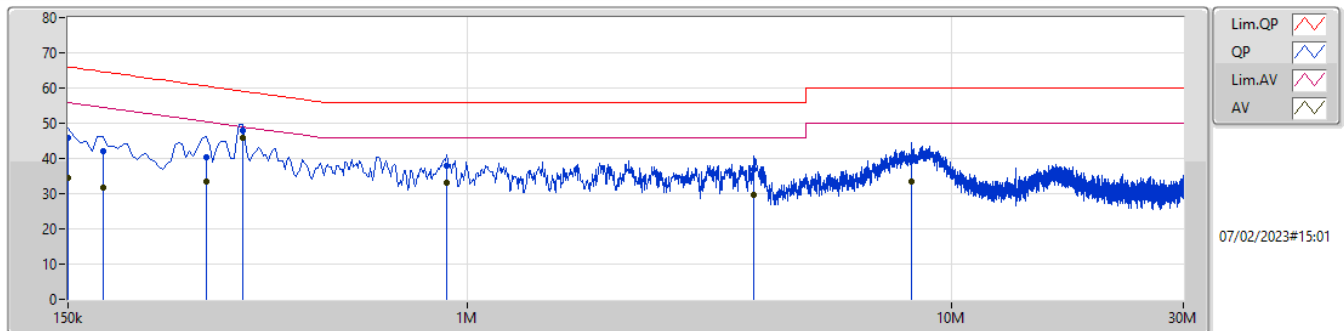
Conducted Emissions at Powerline

Appendix A

Summary

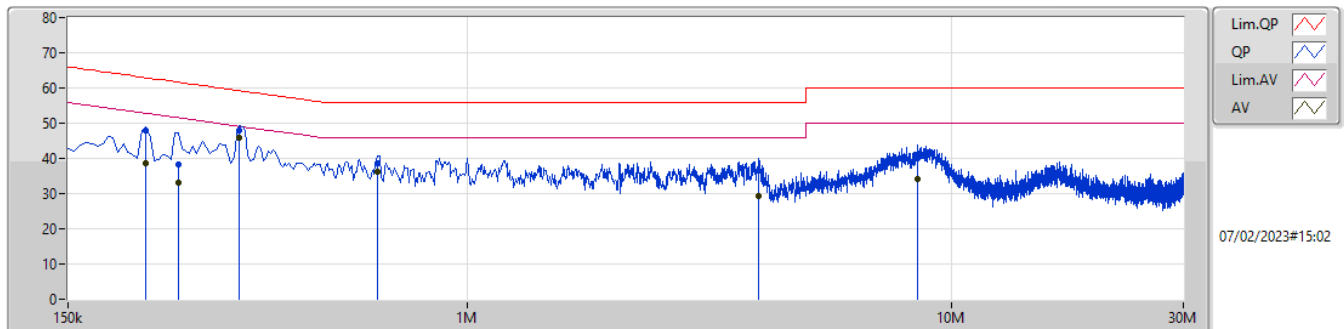
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	343.5k	45.69	49.12	-3.43	Line

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	46.01	66.00	-19.99	9.99	Line	-	36.02	0.06	0.04	9.89						
AV	150k	34.44	56.00	-21.56	9.99	Line	-	24.45	0.06	0.04	9.89						
QP	177k	42.17	64.62	-22.45	9.99	Line	-	32.18	0.06	0.04	9.89						
AV	177k	31.78	54.62	-22.84	9.99	Line	-	21.79	0.06	0.04	9.89						
QP	289.5k	40.22	60.53	-20.31	10.00	Line	-	30.22	0.06	0.05	9.89						
AV	289.5k	33.37	50.53	-17.16	10.00	Line	-	23.37	0.06	0.05	9.89						
QP	343.5k	47.78	59.12	-11.34	10.01	Line	-	37.77	0.06	0.06	9.89						
AV	343.5k	45.69	49.12	-3.43	10.01	Line	"Worst"	35.68	0.06	0.06	9.89						
QP	906k	37.96	56.00	-18.04	10.00	Line	-	27.96	0.07	0.04	9.89						
AV	906k	33.10	46.00	-12.90	10.00	Line	-	23.10	0.07	0.04	9.89						
QP	3.894M	36.87	56.00	-19.13	10.11	Line	-	26.76	0.12	0.10	9.89						
AV	3.894M	29.49	46.00	-16.51	10.11	Line	-	19.38	0.12	0.10	9.89						
QP	8.268M	39.38	60.00	-20.62	10.26	Line	-	29.12	0.20	0.15	9.91						
AV	8.268M	33.49	50.00	-16.51	10.26	Line	-	23.23	0.20	0.15	9.91						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	217.5k	47.79	62.92	-15.13	10.00	Neutral	-	37.79	0.07	0.04	9.89						
AV	217.5k	38.52	52.92	-14.40	10.00	Neutral	-	28.52	0.07	0.04	9.89						
QP	253.5k	38.27	61.64	-23.37	10.01	Neutral	-	28.26	0.07	0.05	9.89						
AV	253.5k	32.98	51.64	-18.66	10.01	Neutral	-	22.97	0.07	0.05	9.89						
QP	339k	47.83	59.23	-11.40	10.02	Neutral	-	37.81	0.07	0.06	9.89						
AV	339k	45.71	49.23	-3.52	10.02	Neutral	"Worst"	35.69	0.07	0.06	9.89						
QP	654k	38.54	56.00	-17.46	10.02	Neutral	-	28.52	0.08	0.05	9.89						
AV	654k	36.08	46.00	-9.92	10.02	Neutral	-	26.06	0.08	0.05	9.89						
QP	3.989M	36.58	56.00	-19.42	10.12	Neutral	-	26.46	0.13	0.10	9.89						
AV	3.989M	29.32	46.00	-16.68	10.12	Neutral	-	19.20	0.13	0.10	9.89						
QP	8.502M	39.94	60.00	-20.06	10.28	Neutral	-	29.66	0.22	0.15	9.91						
AV	8.502M	34.12	50.00	-15.88	10.28	Neutral	-	23.84	0.22	0.15	9.91						

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	19.62M	16.282M	16M3D1D	18.75M	16.252M
802.11ax HEW20_Nss1,(MCS0)_2TX	20.97M	18.921M	18M9D1D	20.58M	18.861M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.26M	37.841M	37M8D1D	40.02M	37.721M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.6M	76.762M	76M8D1D	81.36M	76.642M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	15.03M	16.372M	16M4D1D	13.77M	16.234M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.51M	18.917M	18M9D1D	15.72M	18.711M
802.11ax HEW40_Nss1,(MCS0)_2TX	36.18M	37.706M	37M7D1D	31.14M	37.409M
802.11ax HEW80_Nss1,(MCS0)_2TX	75.12M	77.103M	77M1D1D	42.72M	76.674M

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

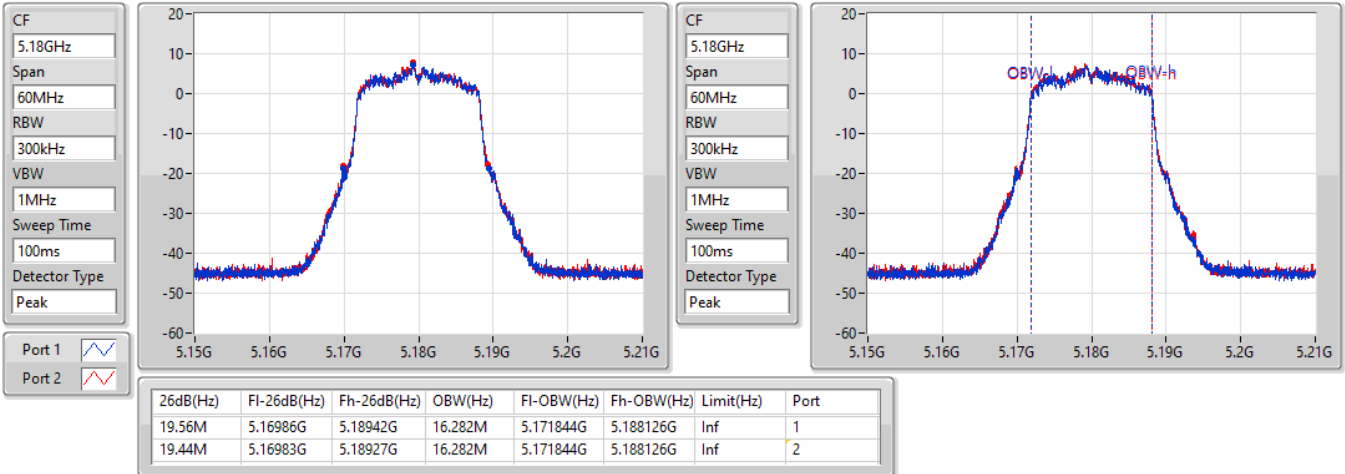
Result

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	19.56M	16.282M	19.44M	16.282M
5200MHz	Pass	Inf	19.56M	16.282M	19.62M	16.252M
5240MHz	Pass	Inf	18.75M	16.282M	19.62M	16.252M
5745MHz	Pass	500k	14.64M	16.355M	15.03M	16.258M
5785MHz	Pass	500k	15M	16.312M	15M	16.372M
5825MHz	Pass	500k	15.03M	16.31M	13.77M	16.234M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.67M	18.891M	20.79M	18.861M
5200MHz	Pass	Inf	20.76M	18.891M	20.79M	18.921M
5240MHz	Pass	Inf	20.58M	18.891M	20.97M	18.891M
5745MHz	Pass	500k	15.72M	18.755M	18.48M	18.87M
5785MHz	Pass	500k	18.51M	18.861M	16.23M	18.711M
5825MHz	Pass	500k	16.2M	18.794M	16.35M	18.917M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.14M	37.841M	40.14M	37.781M
5230MHz	Pass	Inf	40.02M	37.781M	40.26M	37.721M
5755MHz	Pass	500k	34.8M	37.409M	31.14M	37.7M
5795MHz	Pass	500k	36.18M	37.429M	36.12M	37.706M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.36M	76.762M	81.6M	76.642M
5775MHz	Pass	500k	42.72M	76.674M	75.12M	77.103M

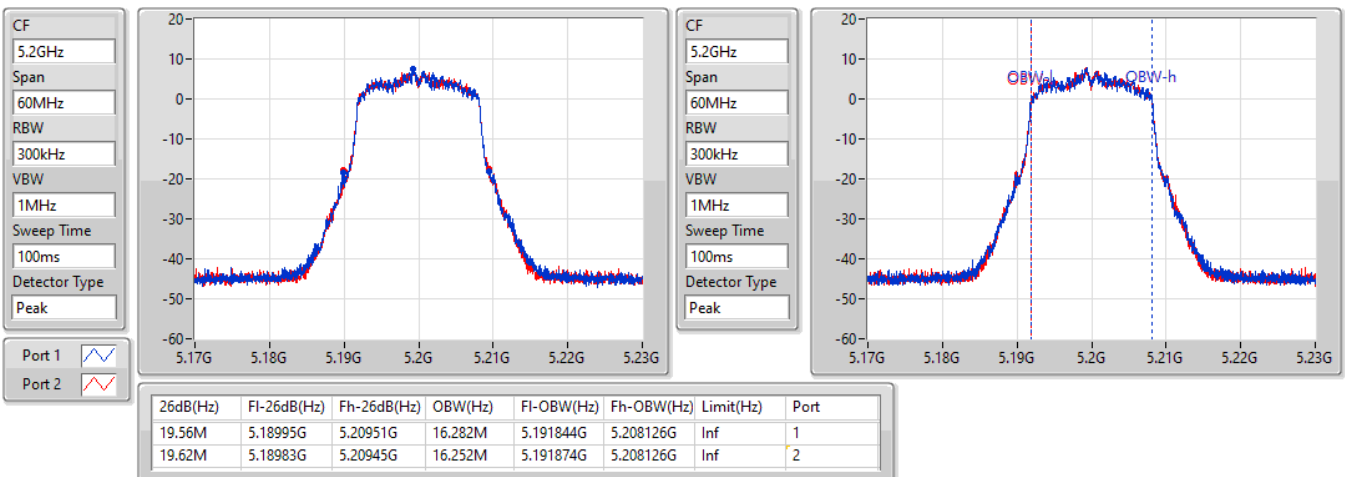
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

13/09/2022

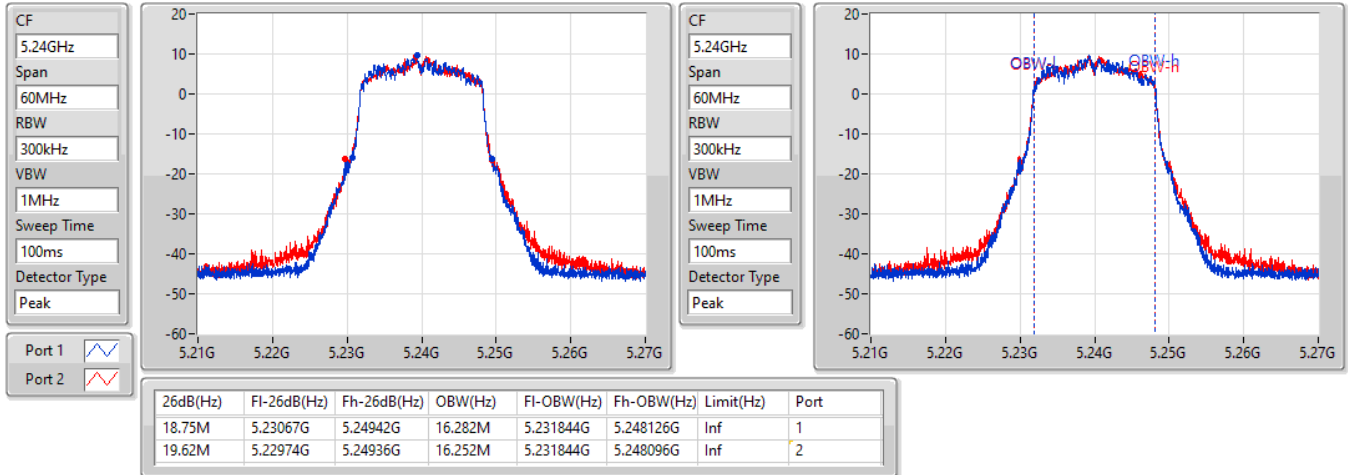

802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

13/09/2022

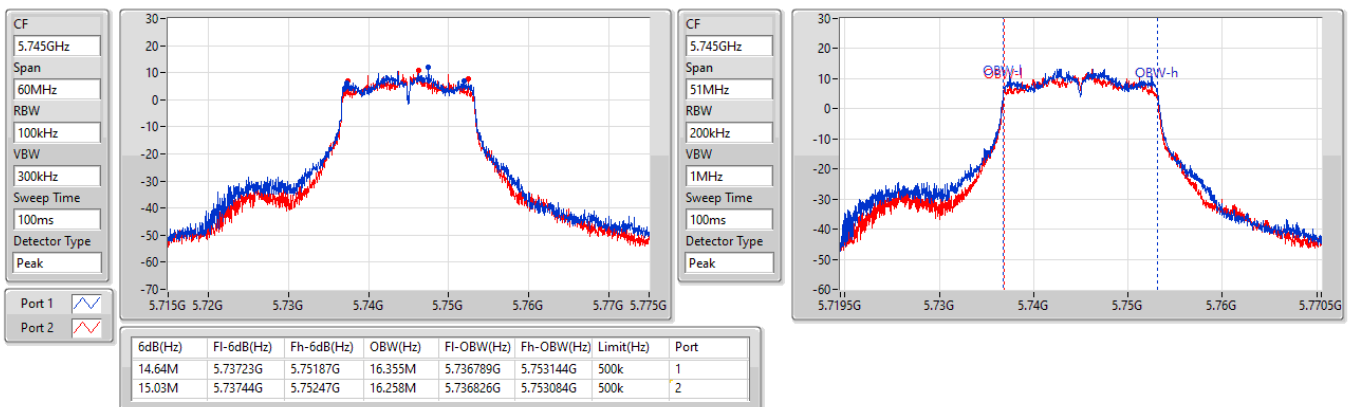


802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

13/09/2022

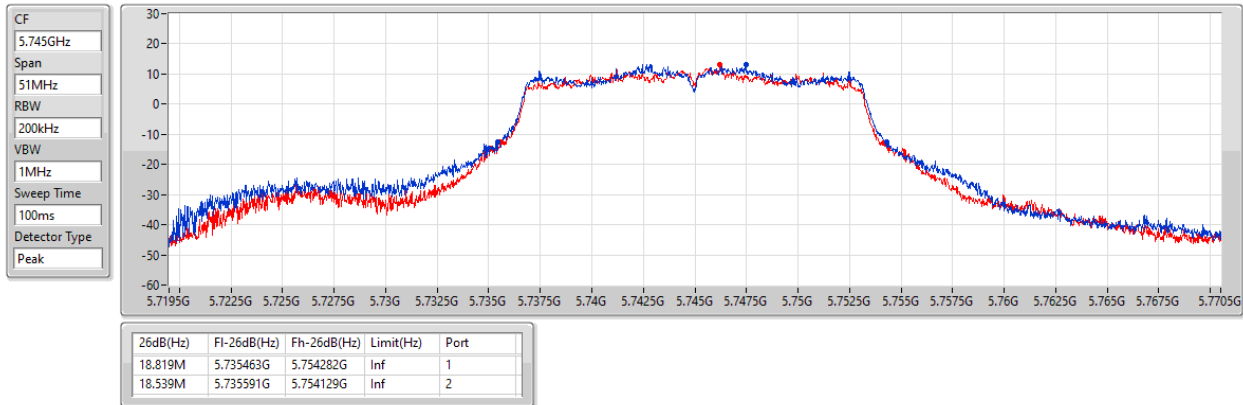

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

17/02/2023

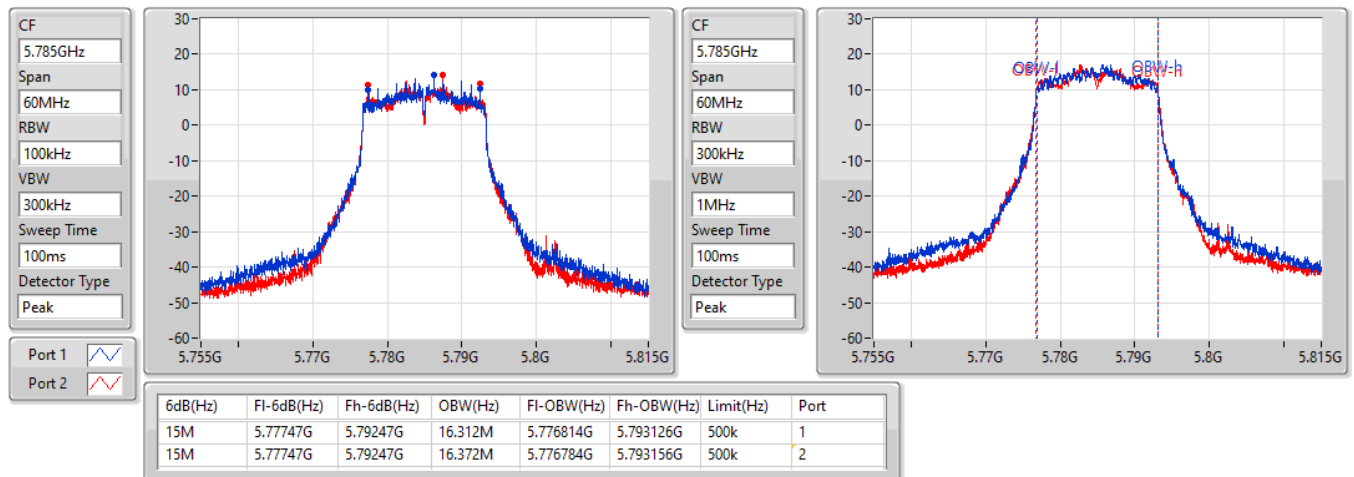


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

17/02/2023


802.11a_Nss1,(6Mbps)_2TX
EBW
5785MHz

14/09/2022

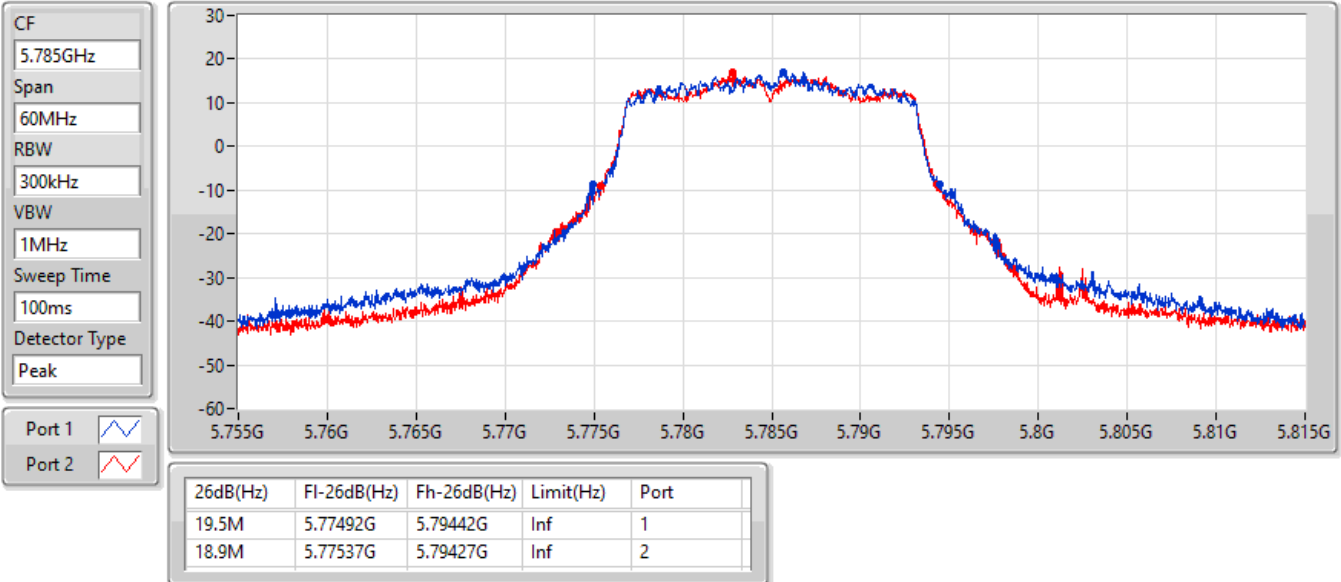


802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

14/09/2022

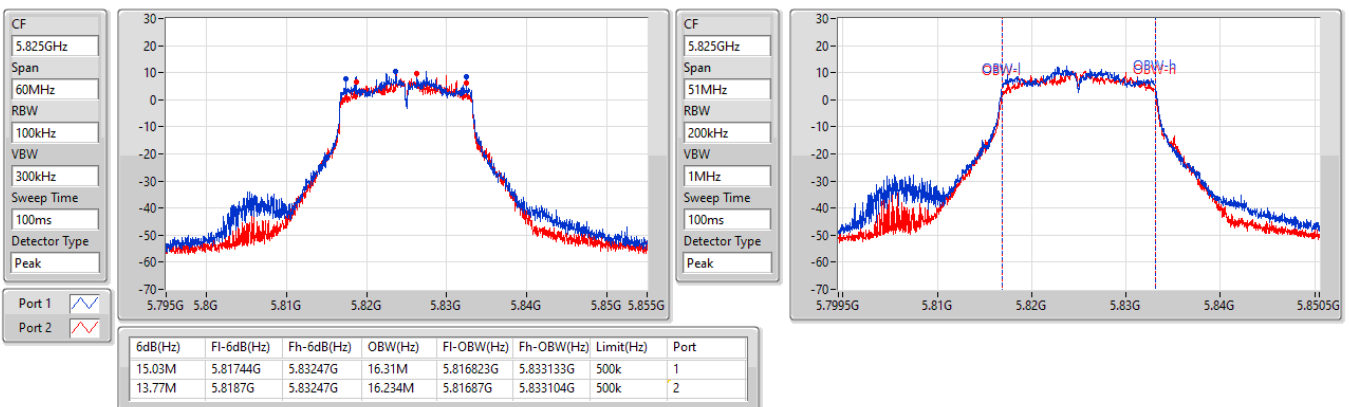


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

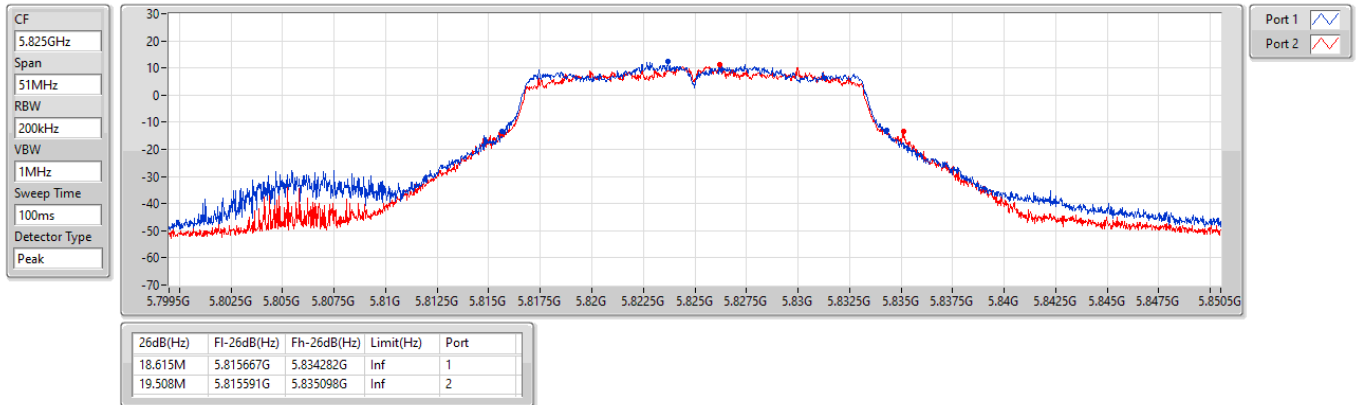
5825MHz

17/02/2023

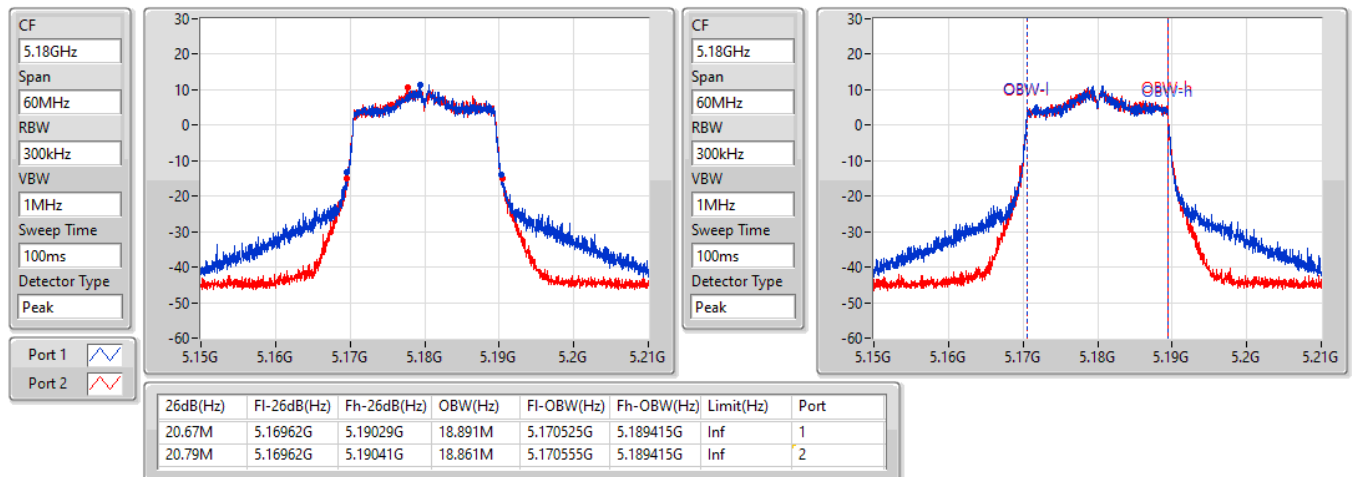


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5825MHz

17/02/2023

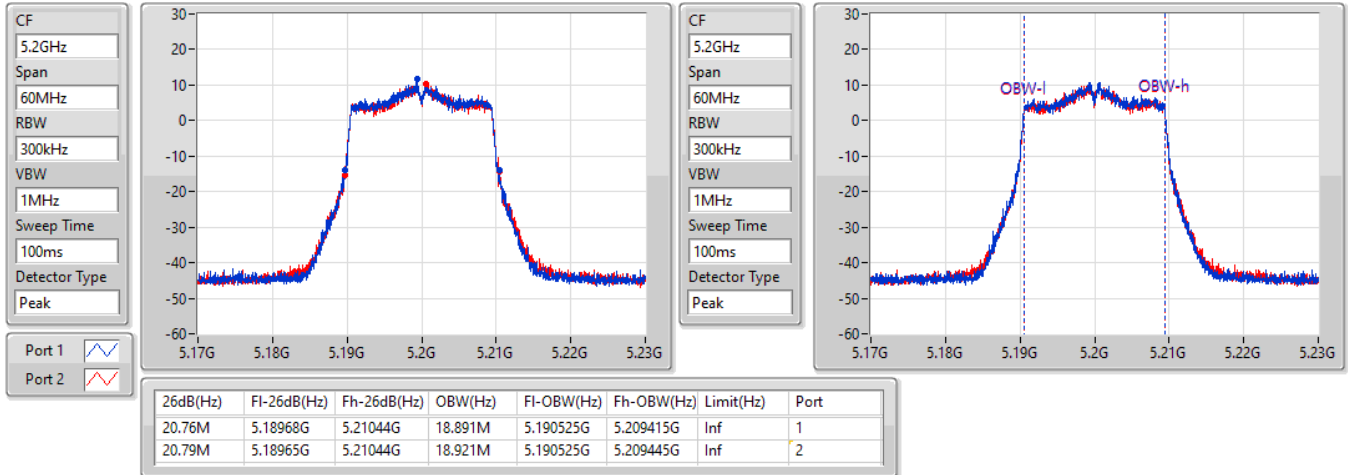

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5180MHz

13/09/2022

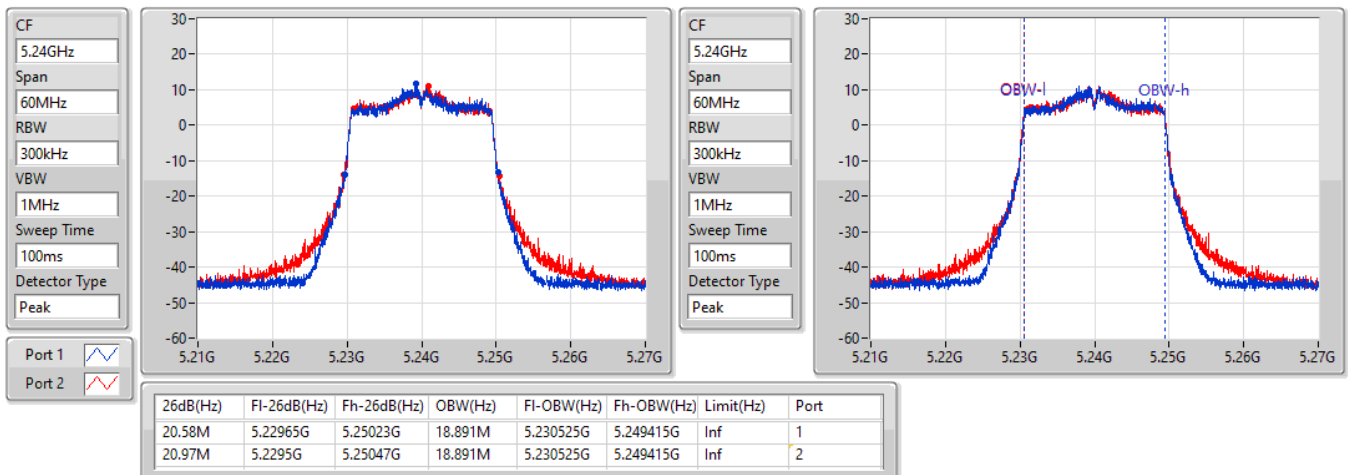


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5200MHz

13/09/2022


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5240MHz

13/09/2022

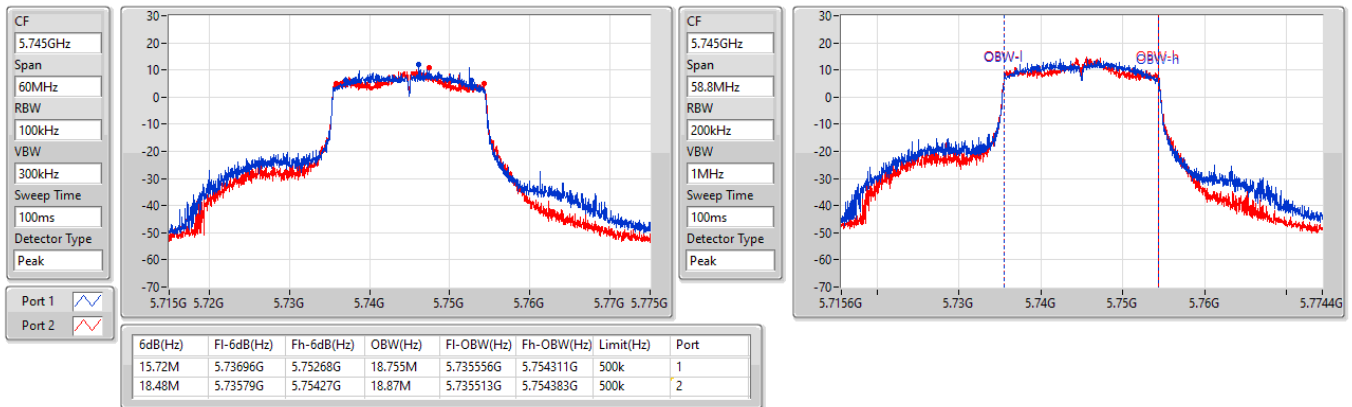


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5745MHz

17/02/2023

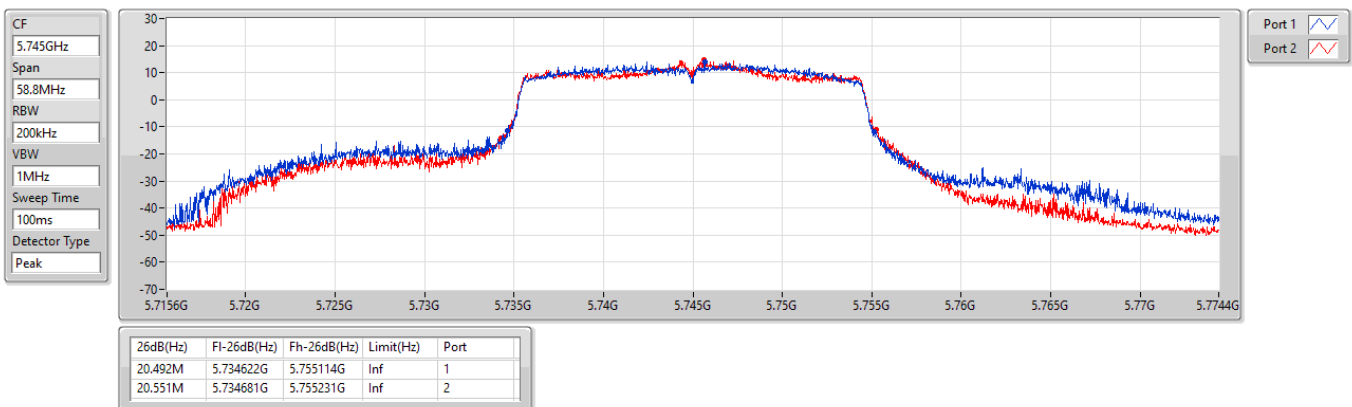


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

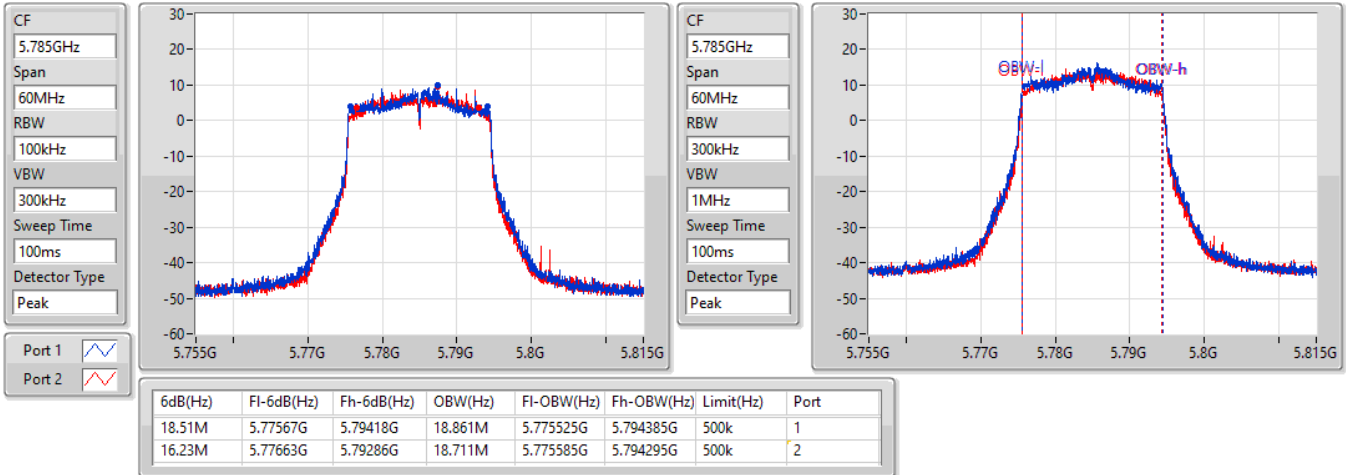
5745MHz

17/02/2023

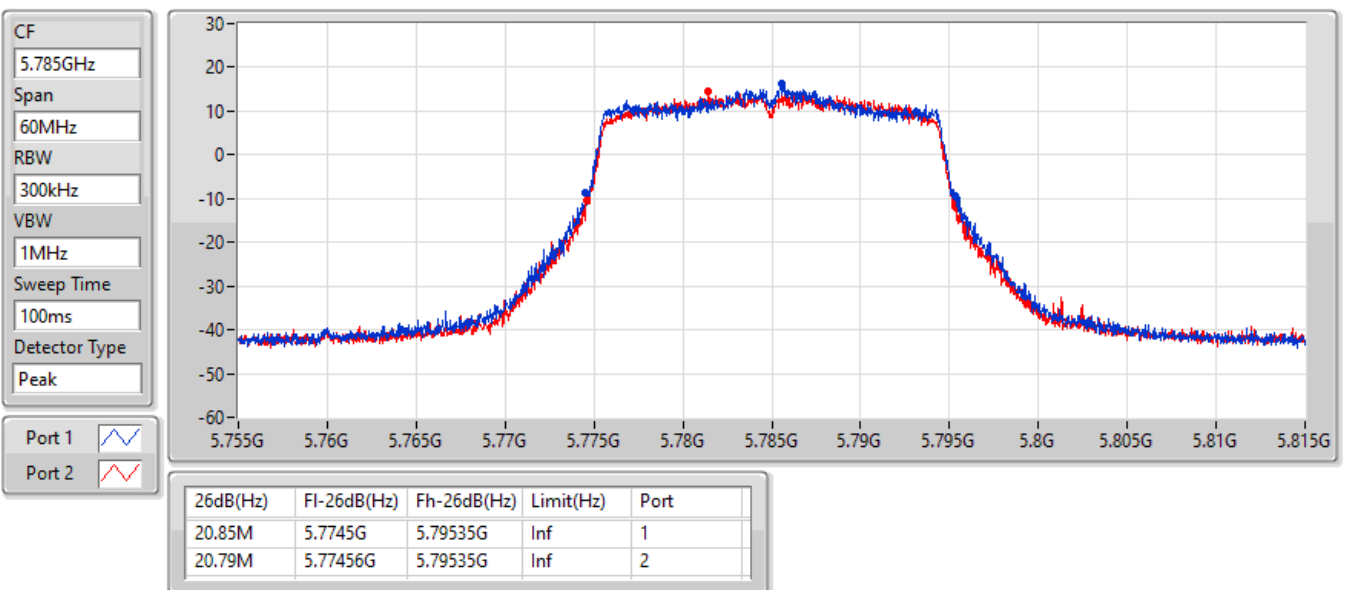


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5785MHz

14/09/2022

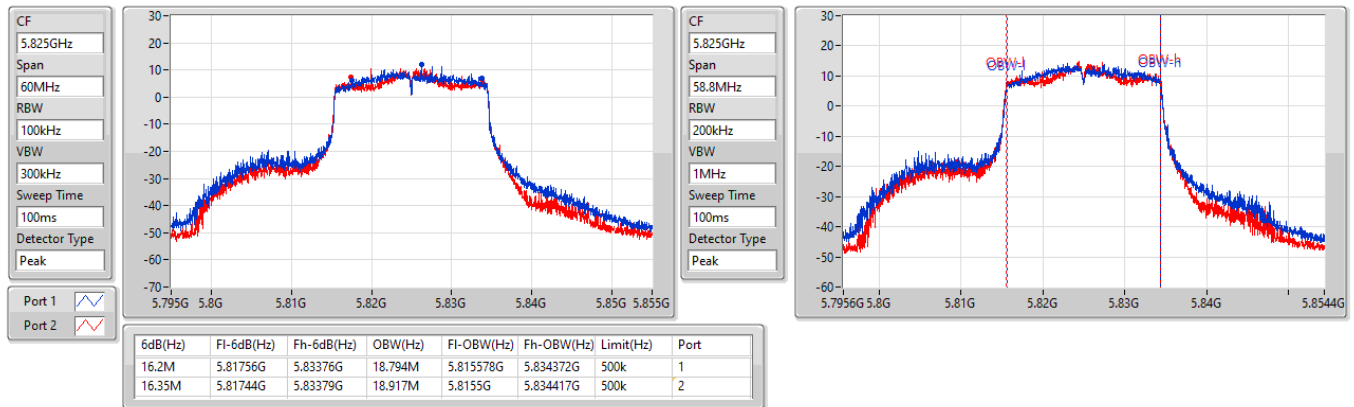

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5785MHz

14/09/2022

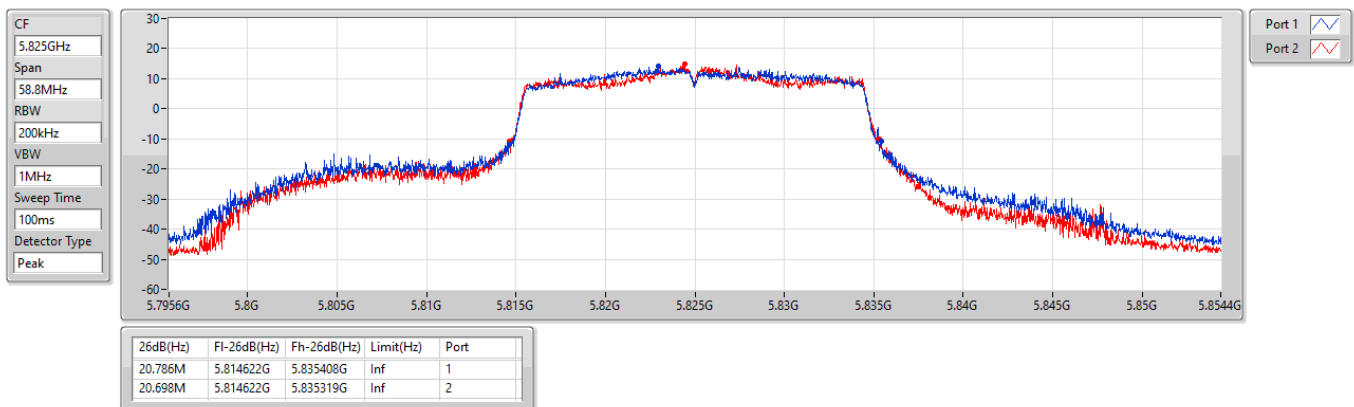


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5825MHz

17/02/2023

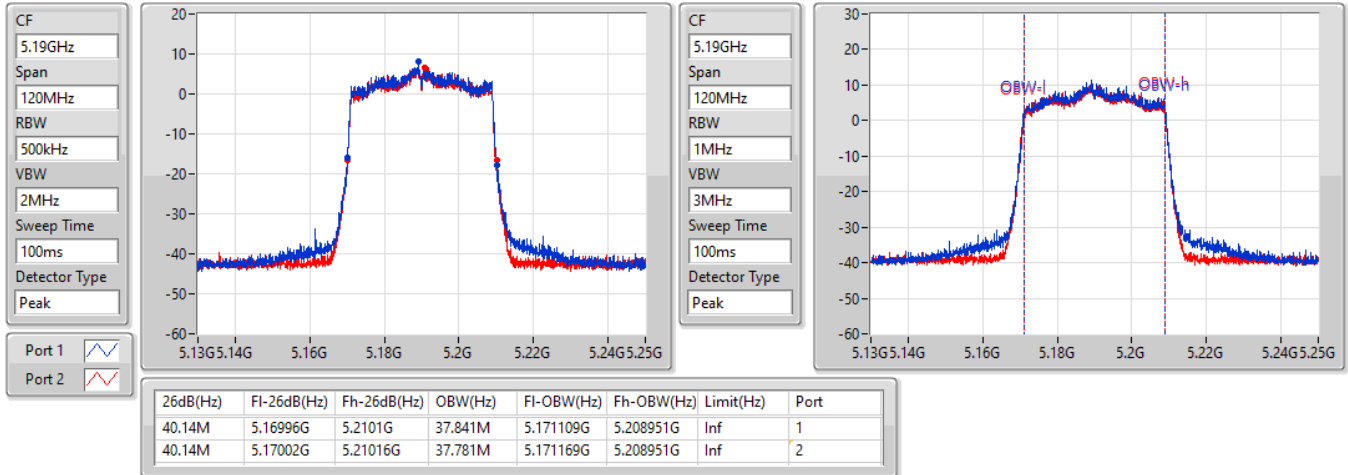

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5825MHz

17/02/2023

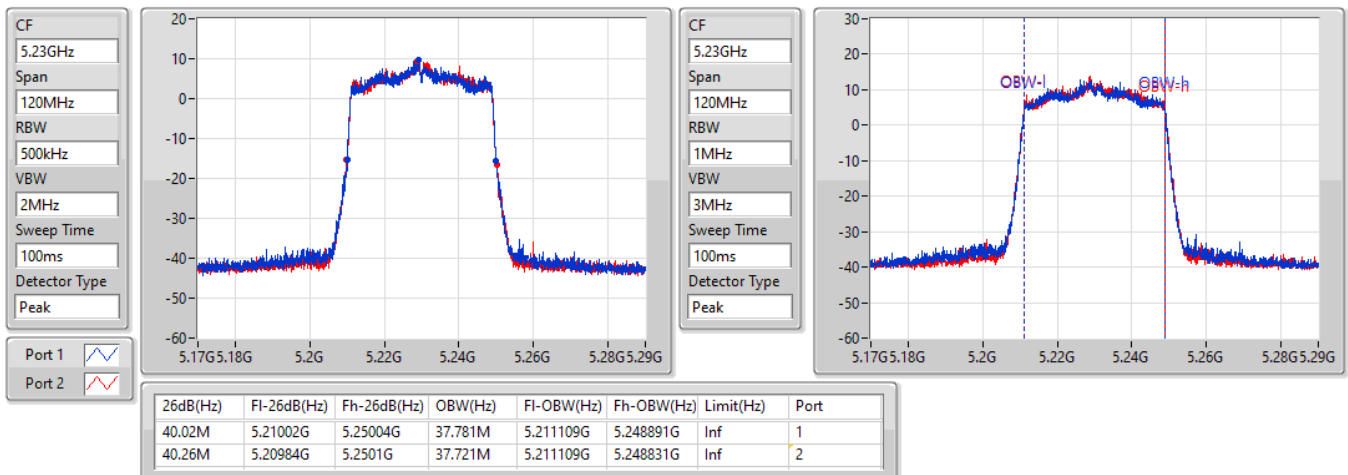


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5190MHz

13/09/2022


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5230MHz

13/09/2022

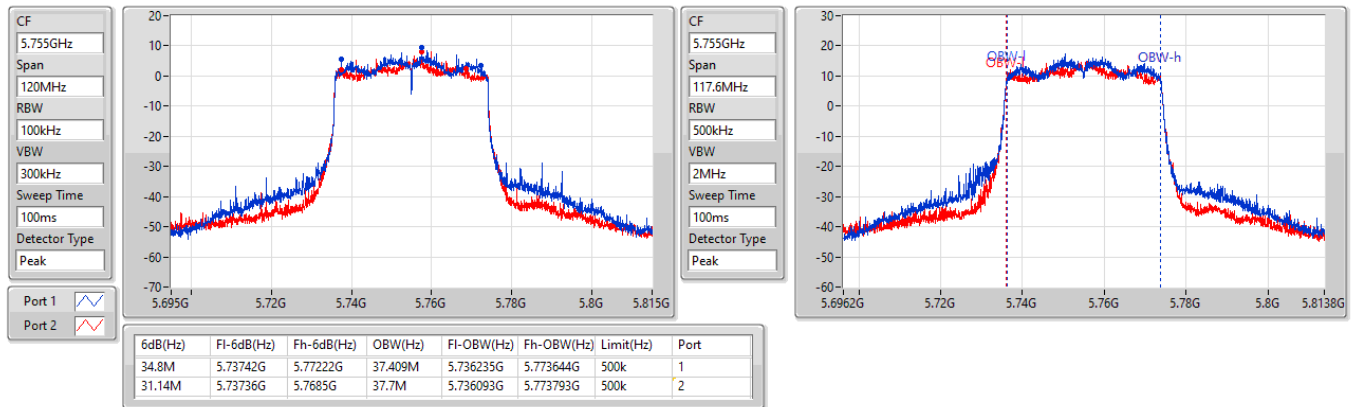


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

17/02/2023

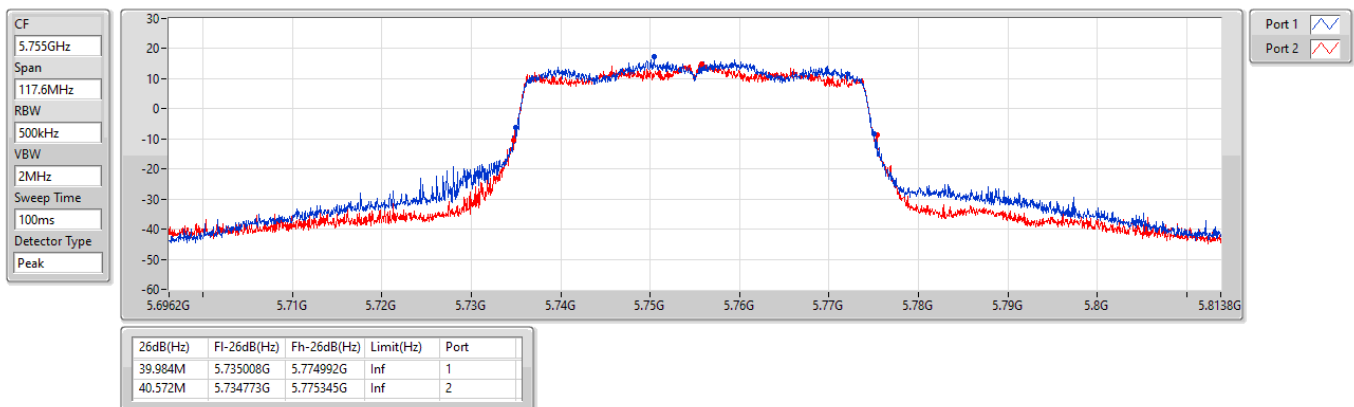


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

17/02/2023

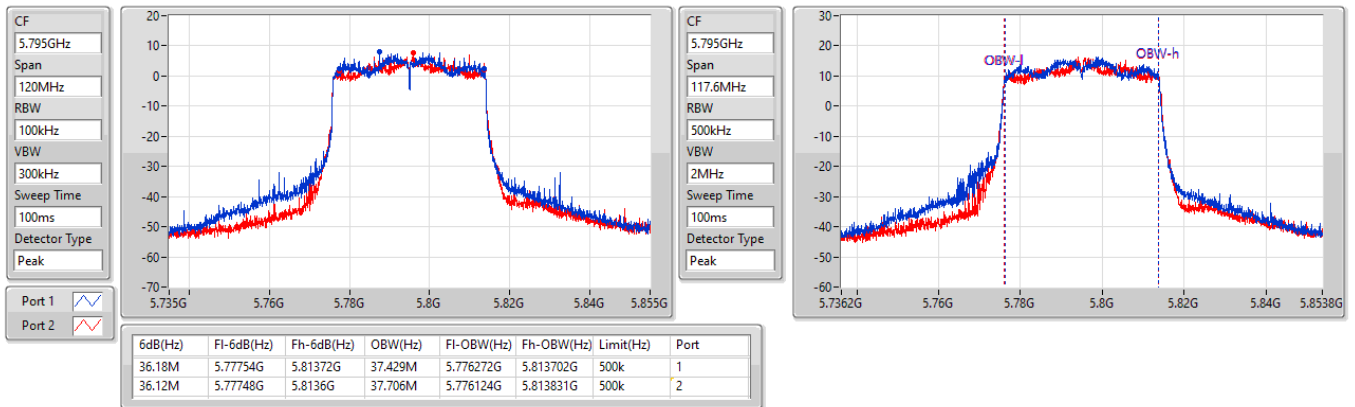


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

17/02/2023

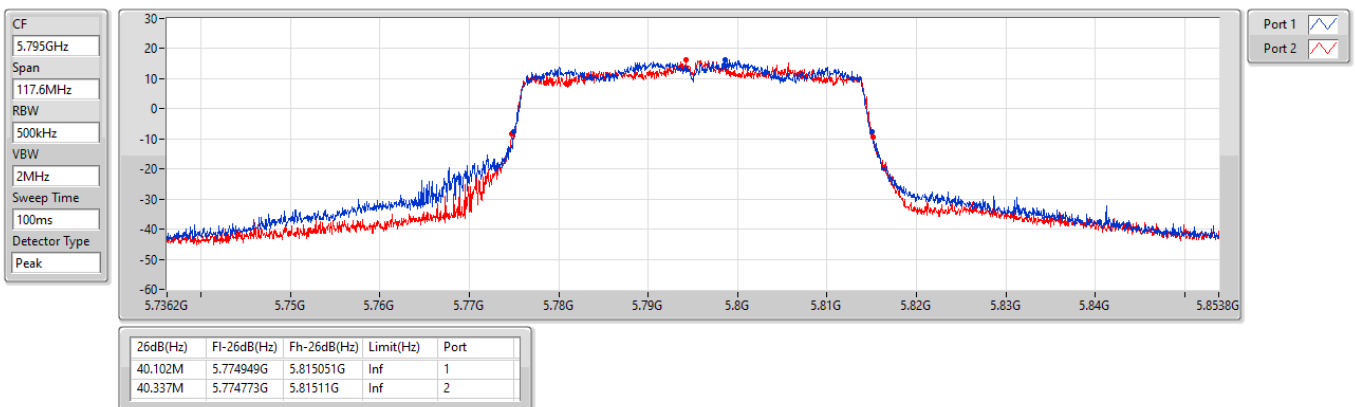


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

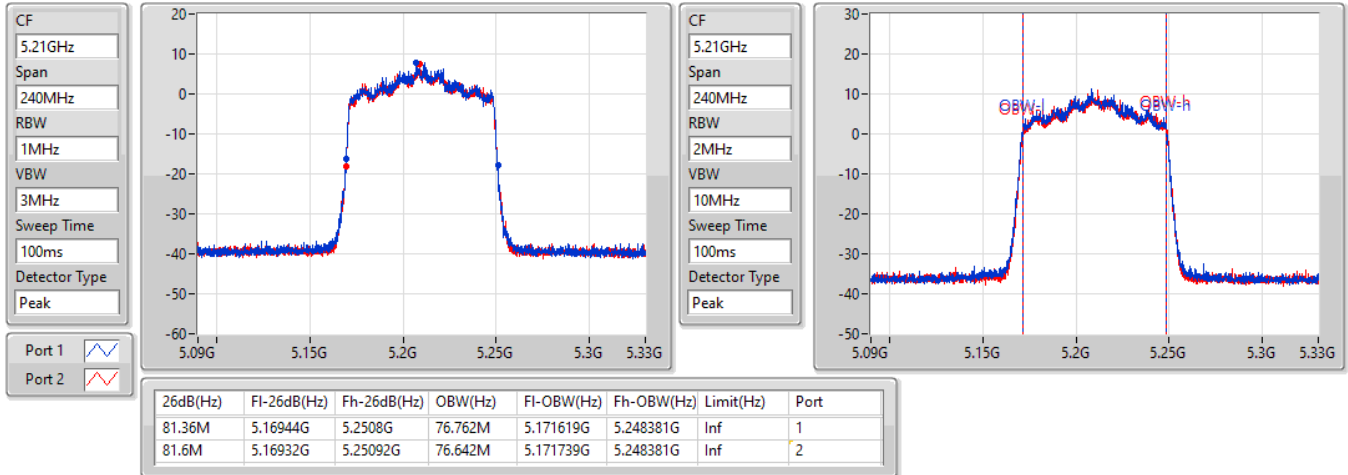
5795MHz

17/02/2023

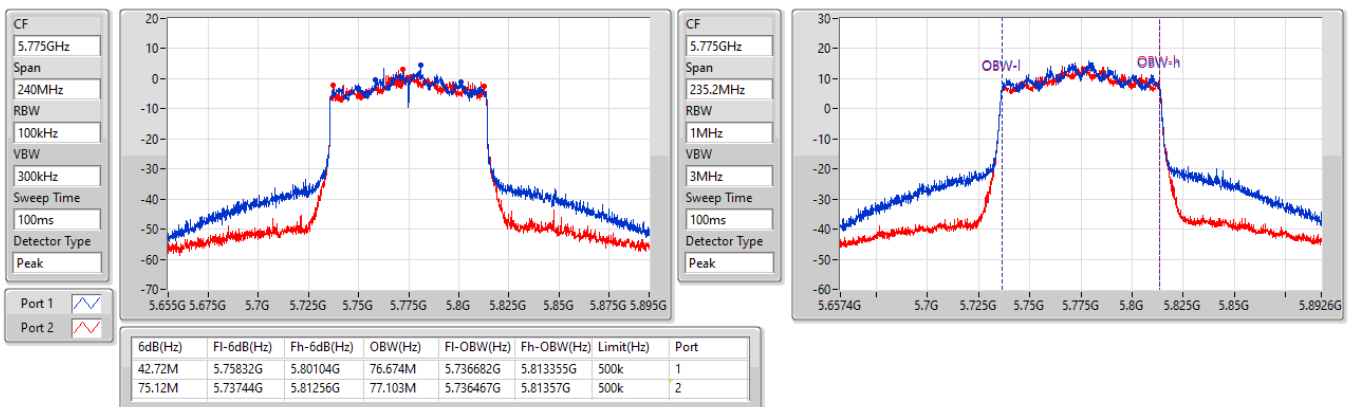


802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5210MHz

13/09/2022


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5775MHz

17/02/2023

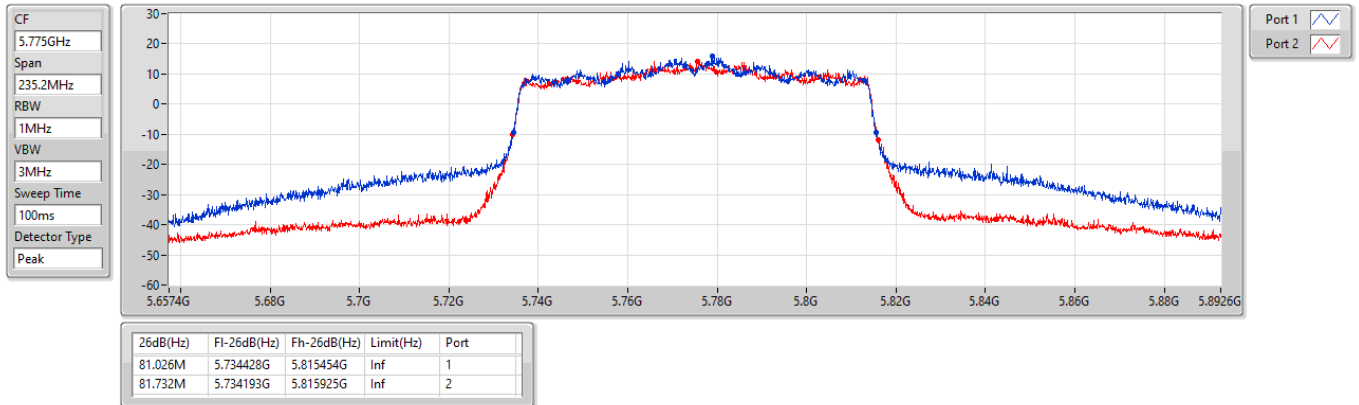


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

17/02/2023



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	20.25M	16.282M	16M3D1D	18.78M	16.188M
802.11ax HEW20_Nss1,(MCS0)_2TX	23.19M	18.941M	18M9D1D	20.97M	18.843M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.38M	37.677M	37M7D1D	40.02M	37.551M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.24M	76.657M	76M7D1D	81.24M	76.478M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	15.48M	28.533M	28M5D1D	15.06M	22.24M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.48M	23.512M	23M5D1D	12.93M	18.701M
802.11ax HEW40_Nss1,(MCS0)_2TX	33.96M	38.045M	38M0D1D	22.08M	37.335M
802.11ax HEW80_Nss1,(MCS0)_2TX	74.64M	76.703M	76M7D1D	65.04M	76.202M

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

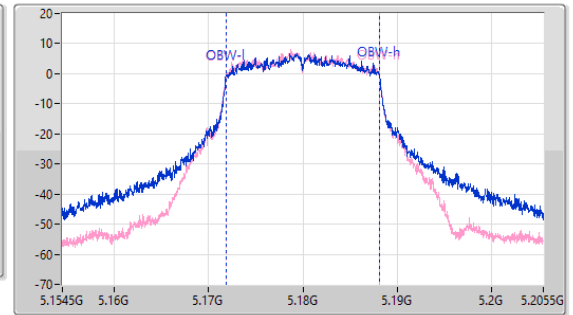
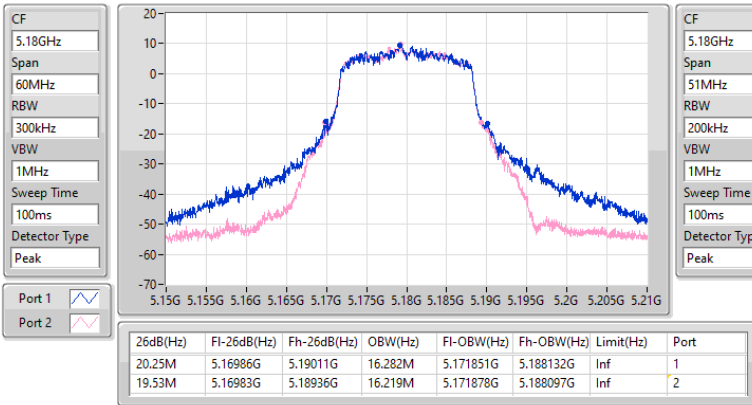
Result

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	20.25M	16.282M	19.53M	16.219M
5200MHz	Pass	Inf	19.56M	16.255M	19.77M	16.188M
5240MHz	Pass	Inf	18.78M	16.242M	19.77M	16.212M
5745MHz	Pass	500k	15.09M	28.533M	15.09M	22.24M
5785MHz	Pass	500k	15.06M	26.431M	15.48M	24.585M
5825MHz	Pass	500k	15.09M	24.283M	15.06M	26.475M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.97M	18.856M	21.03M	18.843M
5200MHz	Pass	Inf	23.19M	18.939M	21.45M	18.921M
5240MHz	Pass	Inf	23.19M	18.941M	21M	18.884M
5745MHz	Pass	500k	15.96M	18.814M	12.93M	18.701M
5785MHz	Pass	500k	17.94M	22.206M	15.42M	20.116M
5825MHz	Pass	500k	18.48M	20.472M	17.76M	23.512M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.02M	37.557M	40.38M	37.551M
5230MHz	Pass	Inf	40.14M	37.677M	40.08M	37.588M
5755MHz	Pass	500k	33.72M	37.524M	33.96M	37.335M
5795MHz	Pass	500k	29.94M	38.045M	22.08M	37.714M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.24M	76.657M	81.24M	76.478M
5775MHz	Pass	500k	74.64M	76.703M	65.04M	76.202M

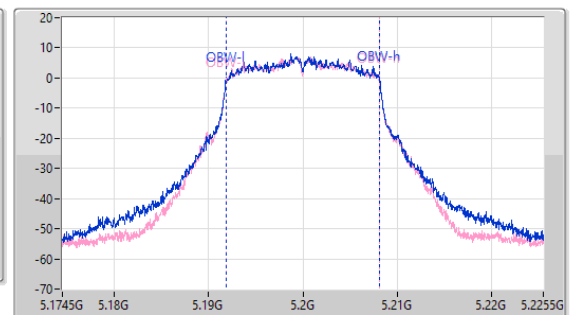
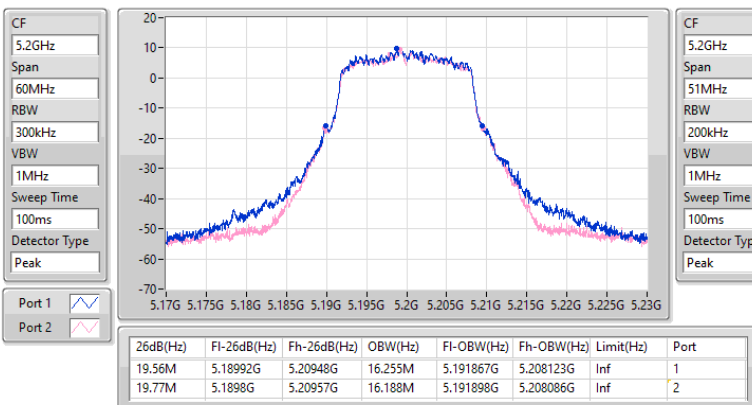
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

14/10/2022

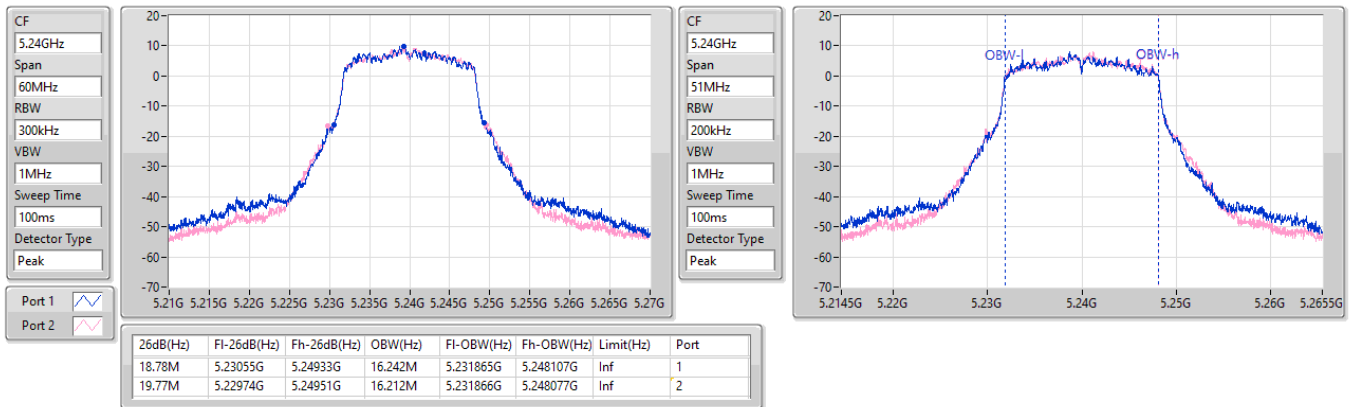

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

14/10/2022

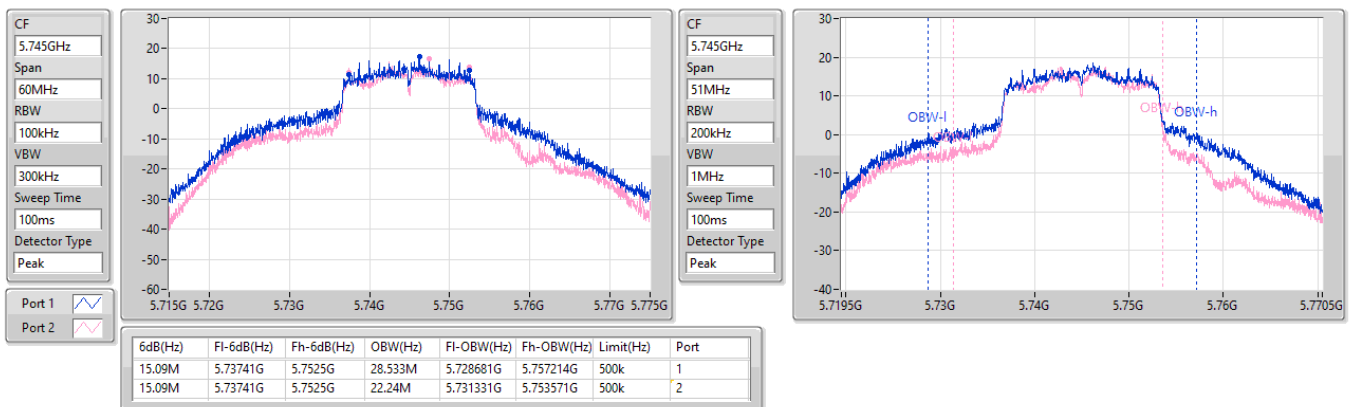


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

14/10/2022


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

14/10/2022

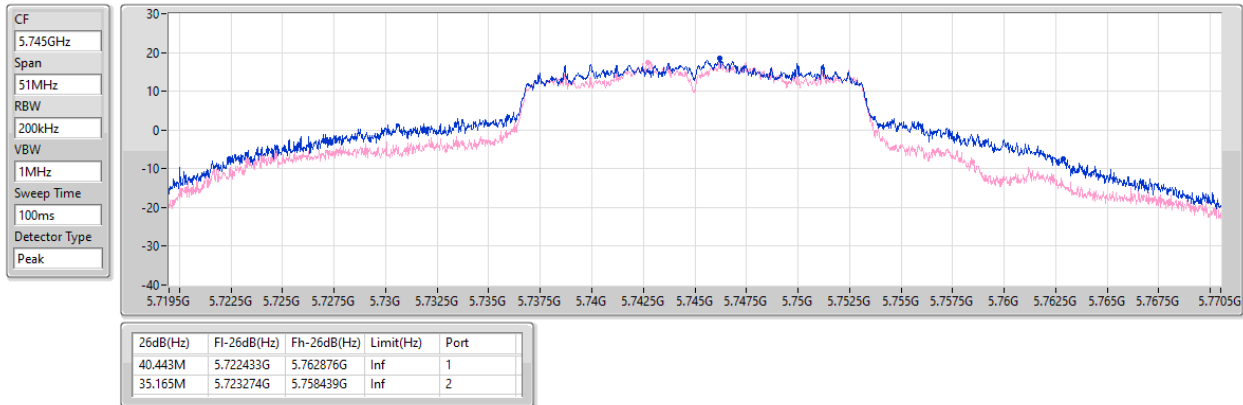


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

14/10/2022

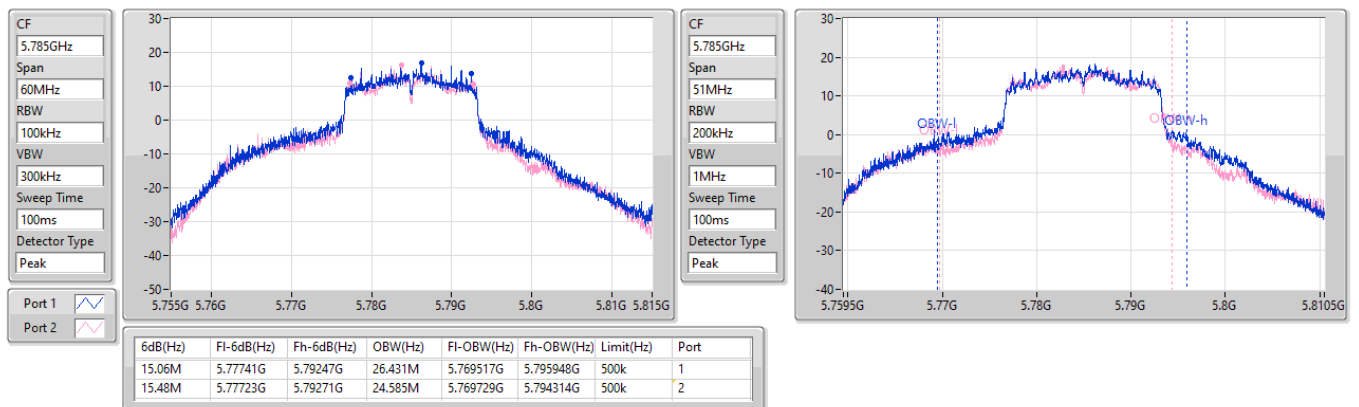


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

14/10/2022

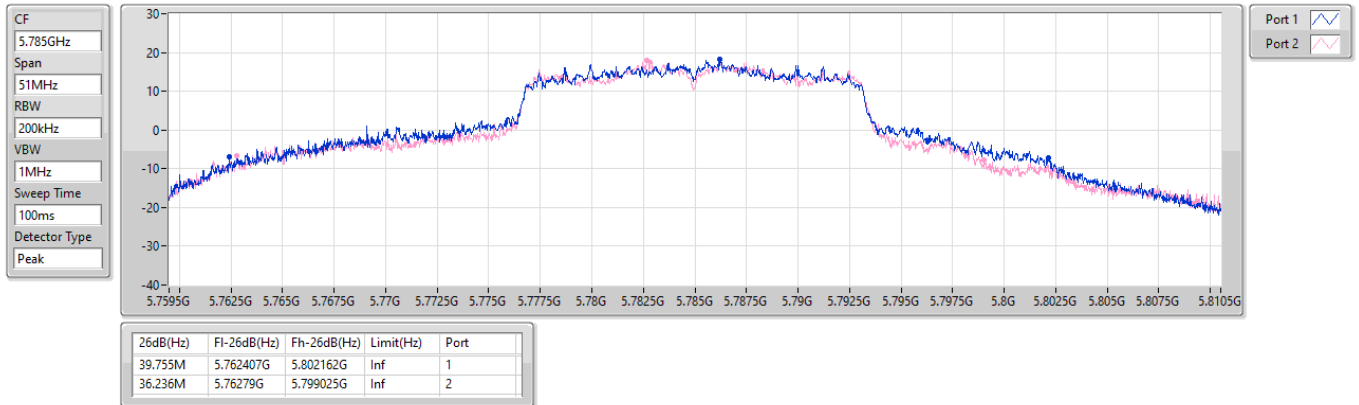


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

14/10/2022

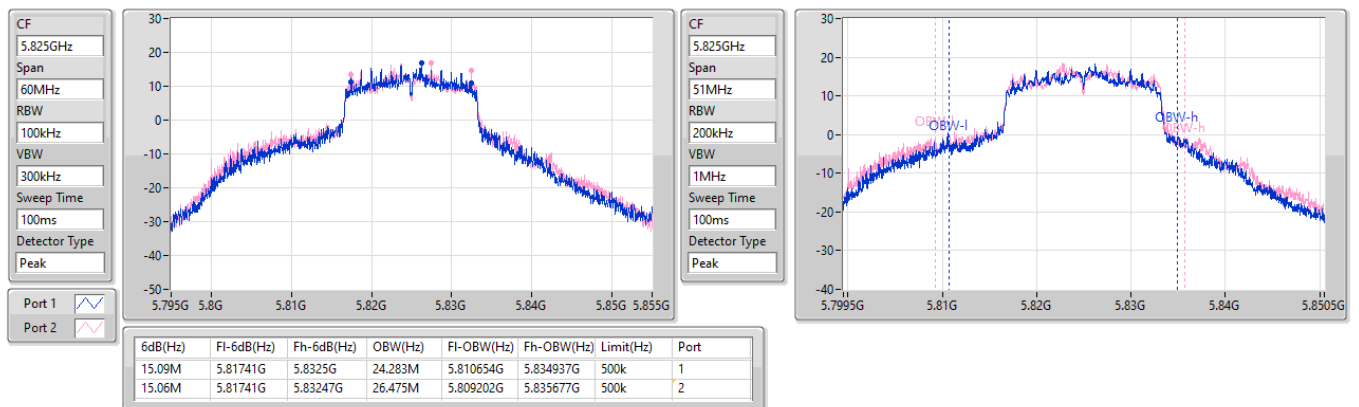


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

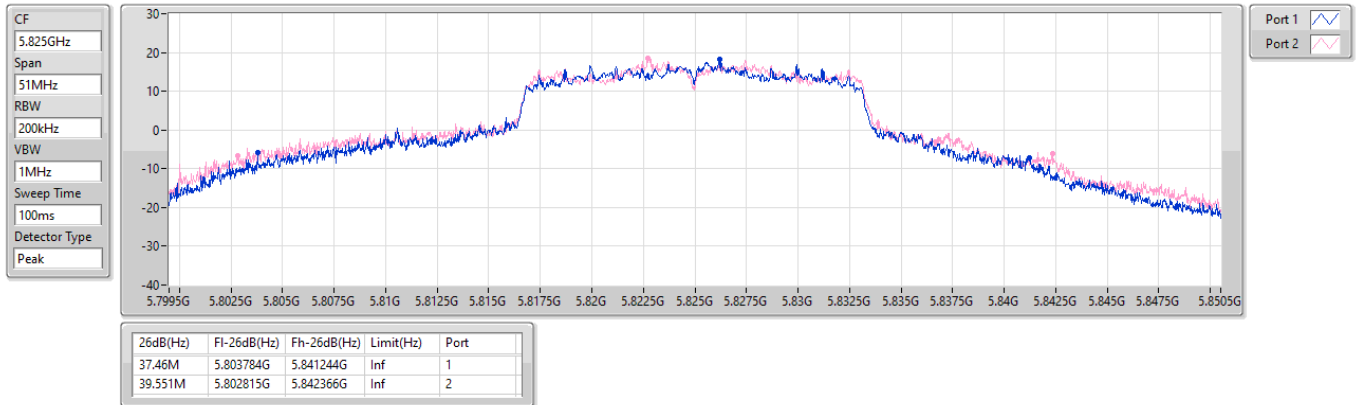
5825MHz

14/10/2022

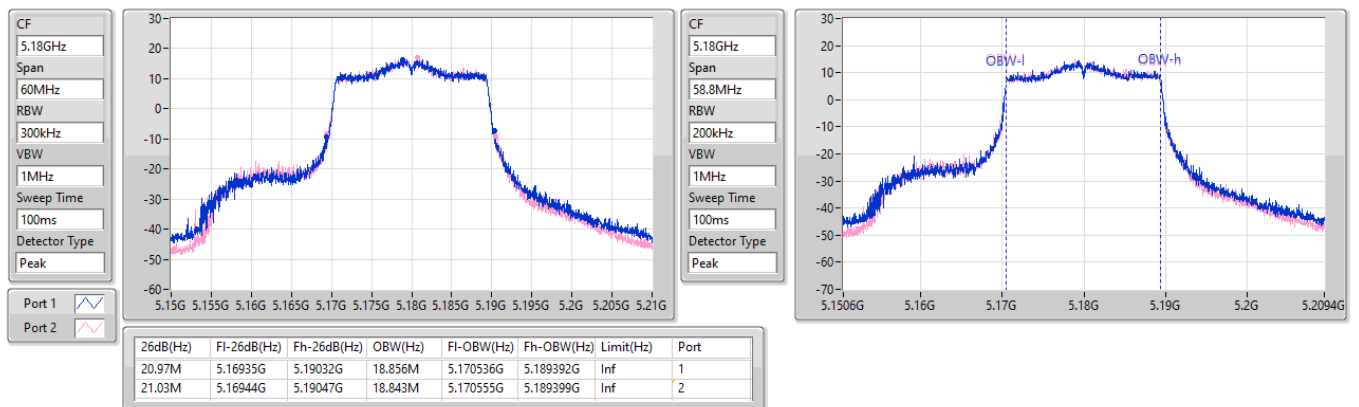


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5825MHz

14/10/2022

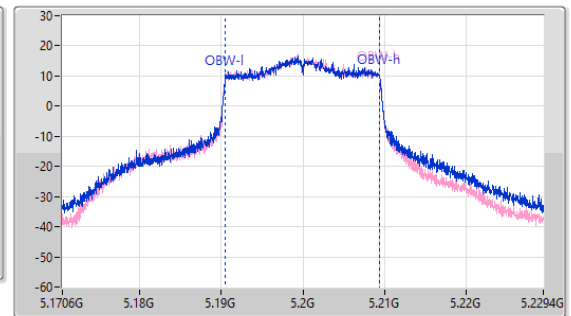
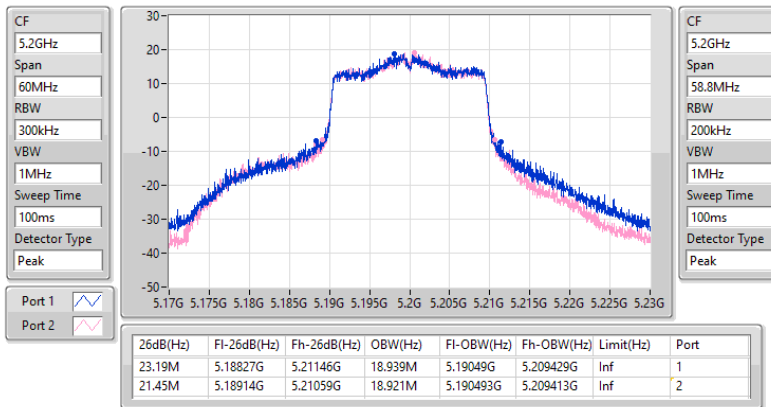

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5180MHz

13/10/2022

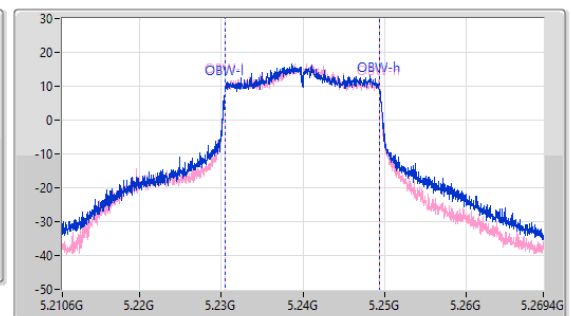
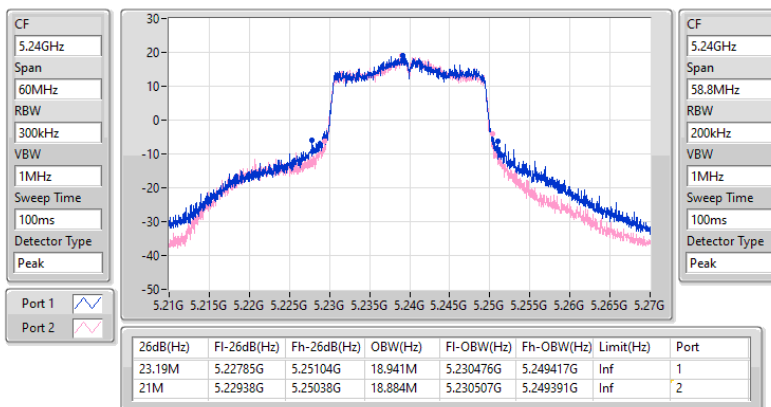


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EBW

14/10/2022

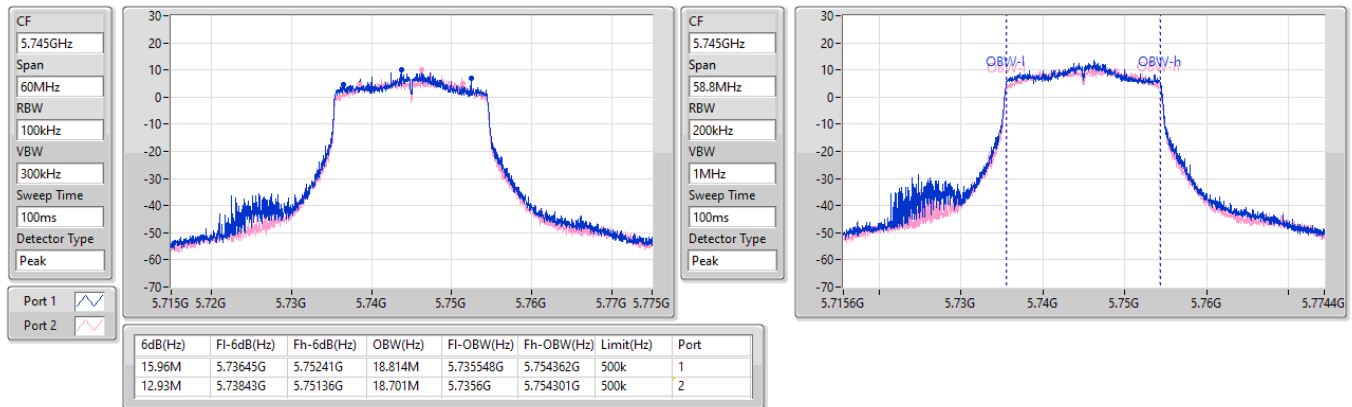

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5240MHz
EBW

14/10/2022

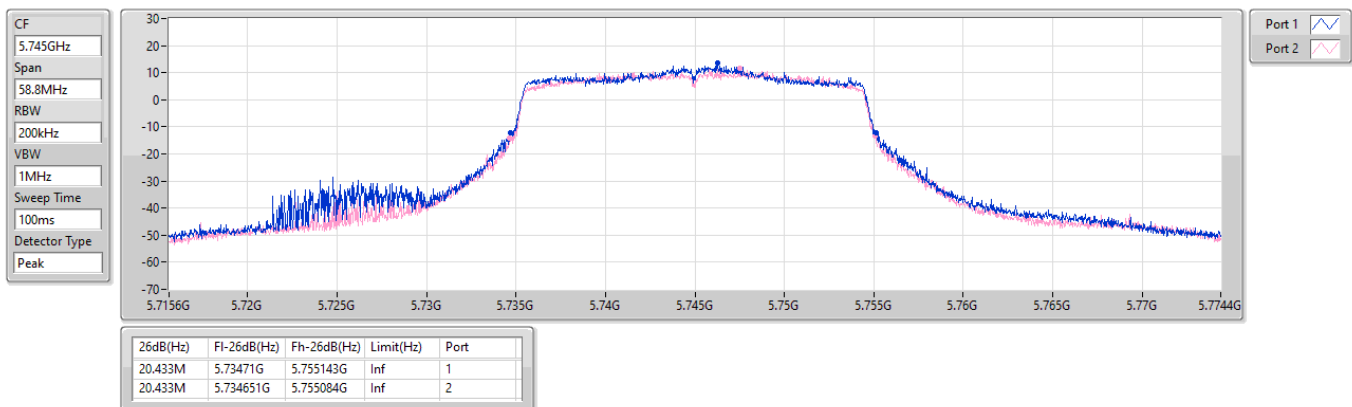


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EBW
5745MHz

14/10/2022

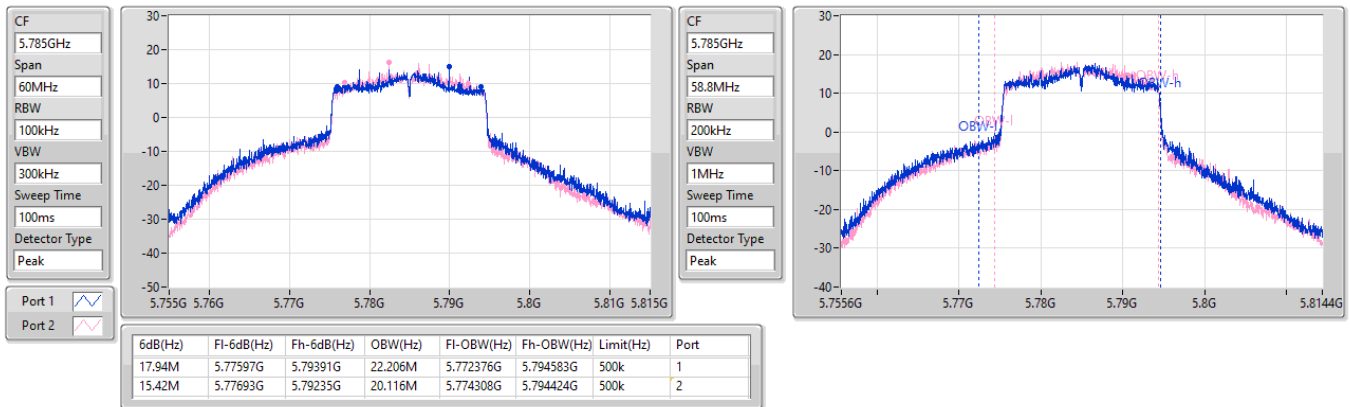

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EBW
5745MHz

14/10/2022

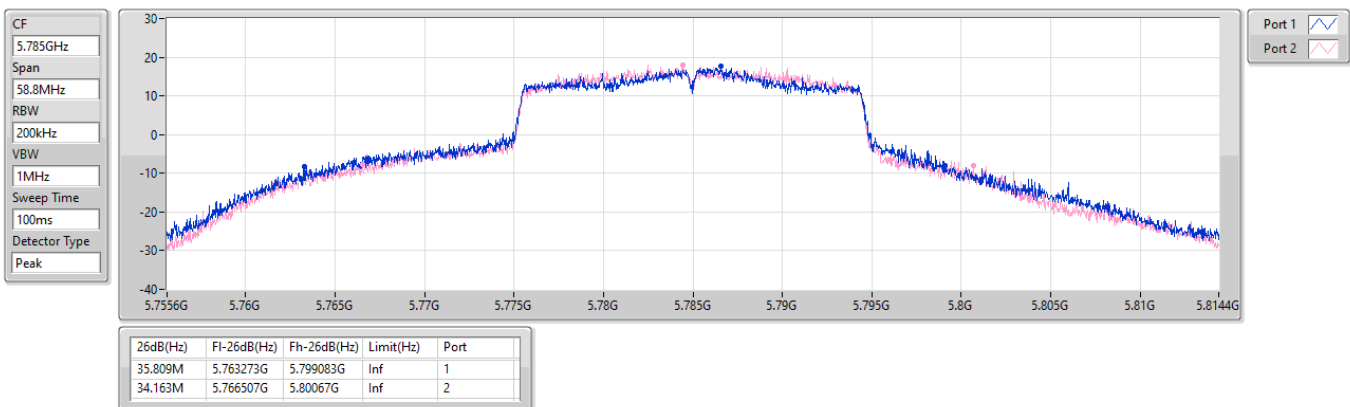


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EBW
5785MHz

14/10/2022

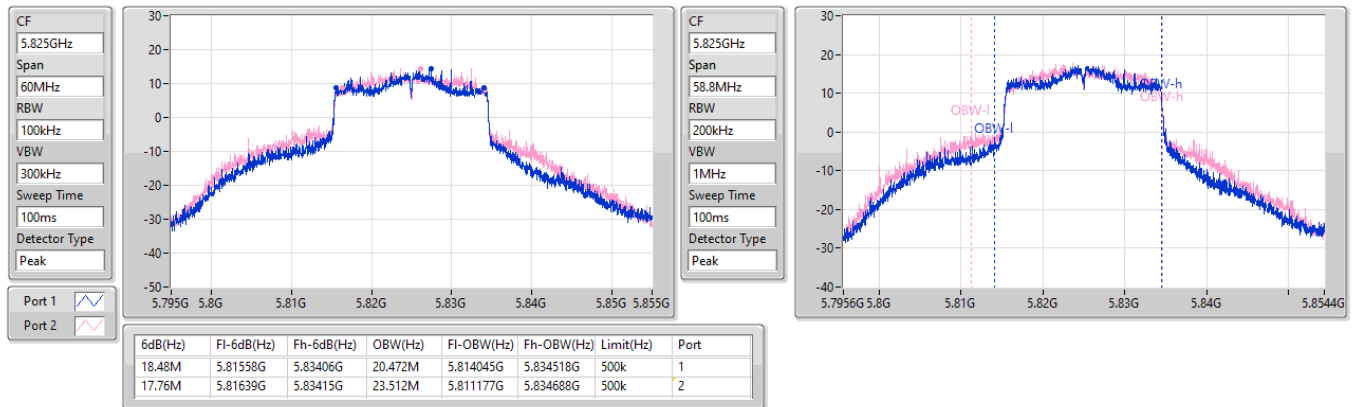

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EBW
5785MHz

14/10/2022

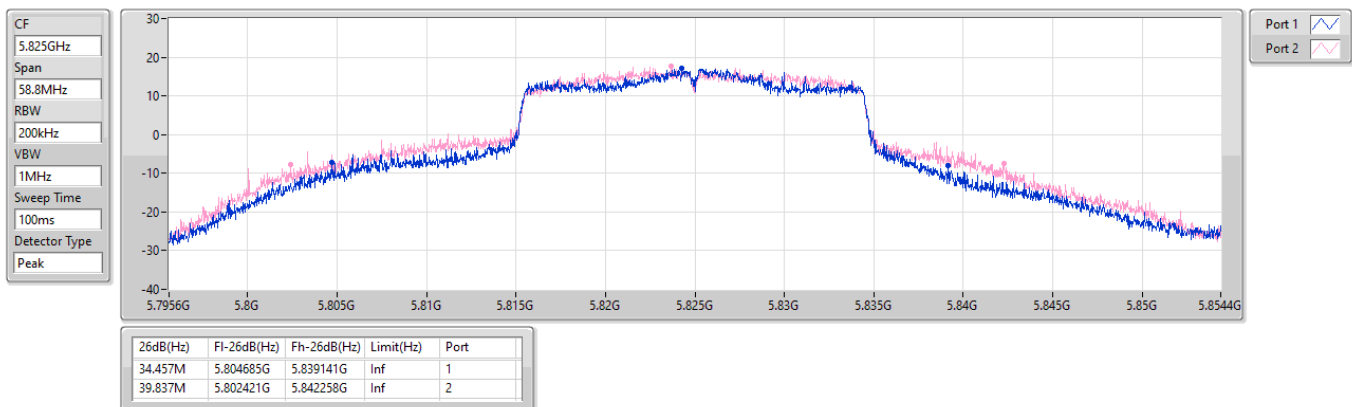


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EBW
5825MHz

14/10/2022

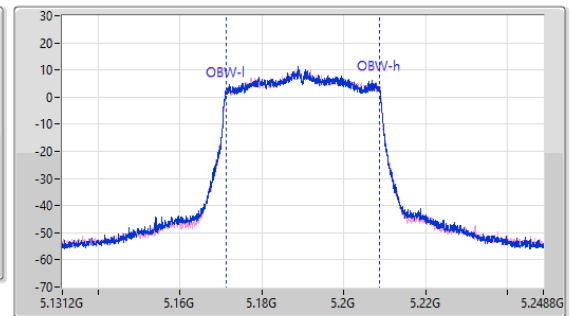
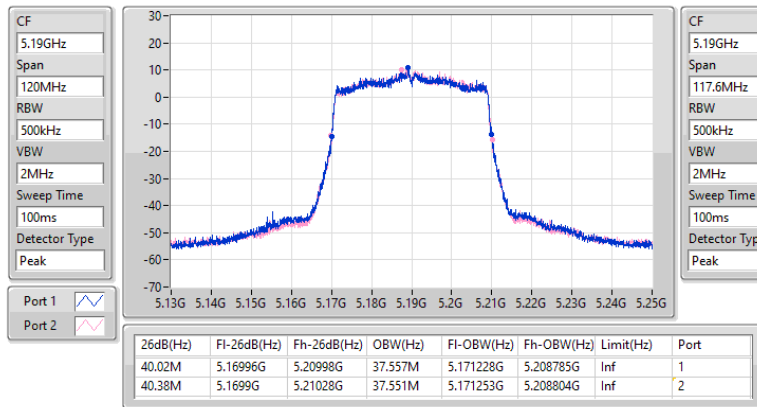

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5825MHz

14/10/2022

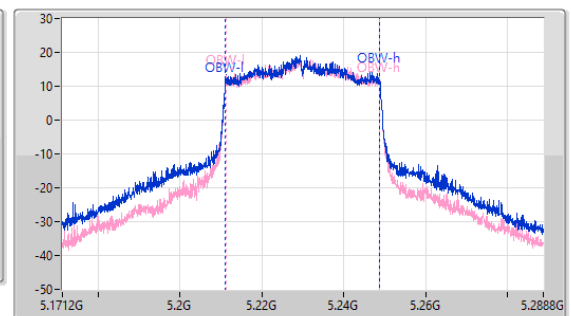
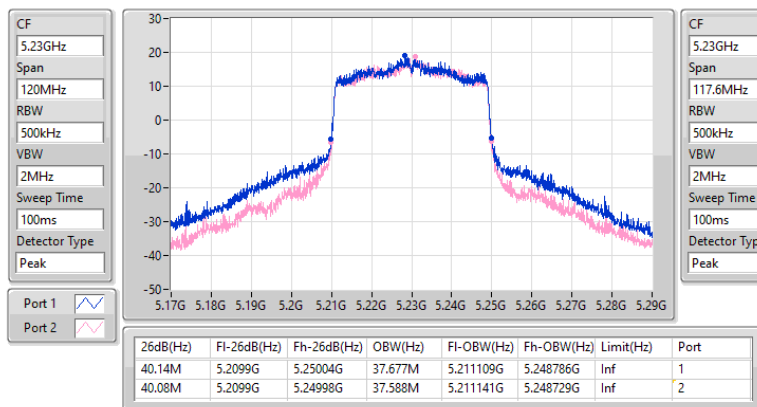


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5190MHz

14/10/2022


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5230MHz

14/10/2022

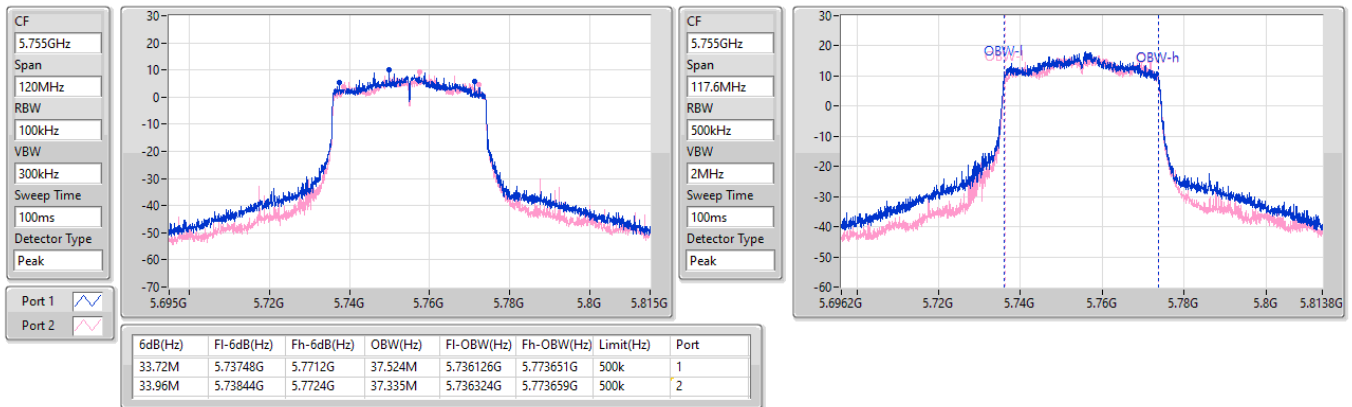


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

14/10/2022

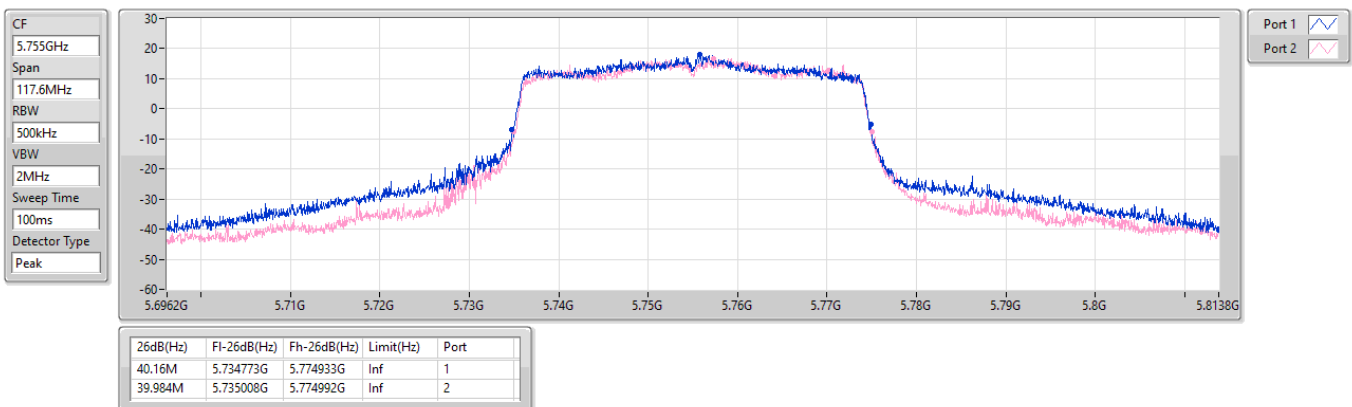


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

14/10/2022

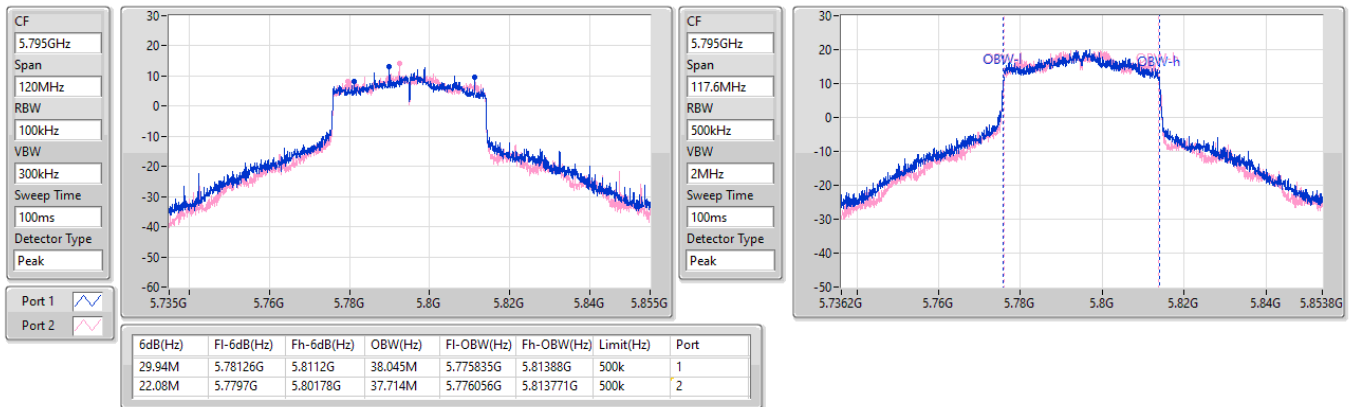


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

14/10/2022

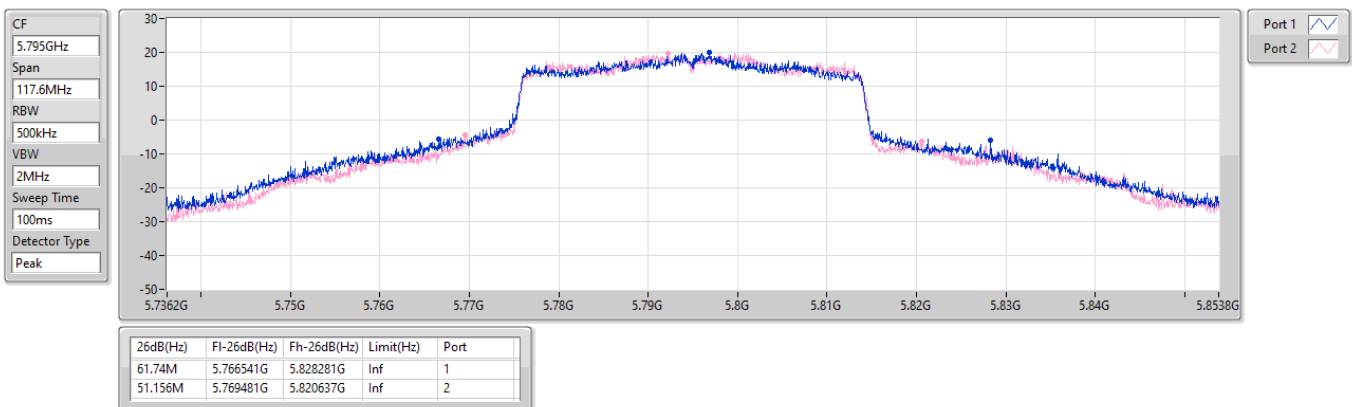


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

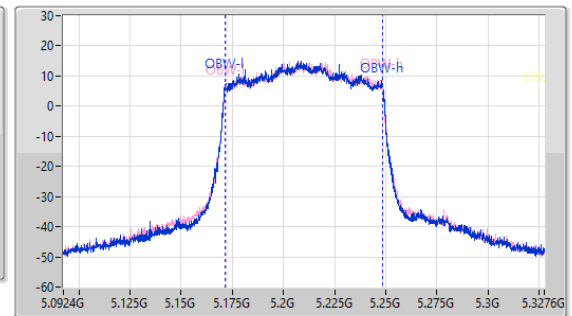
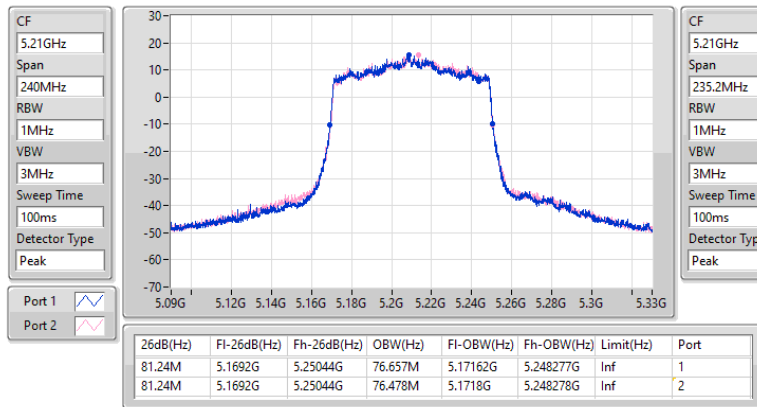
5795MHz

14/10/2022

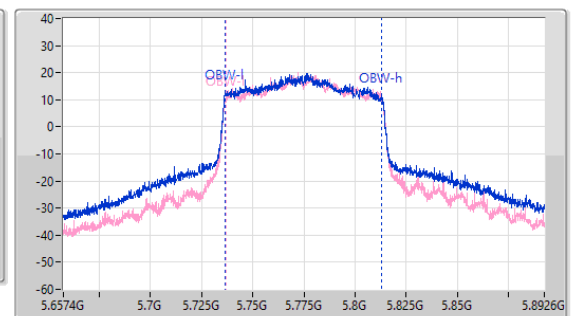
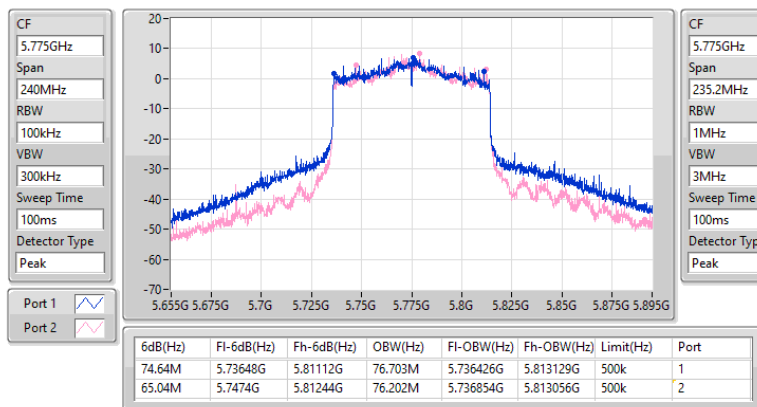


5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
5210MHz
EBW

14/10/2022


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
5775MHz
EBW

14/10/2022

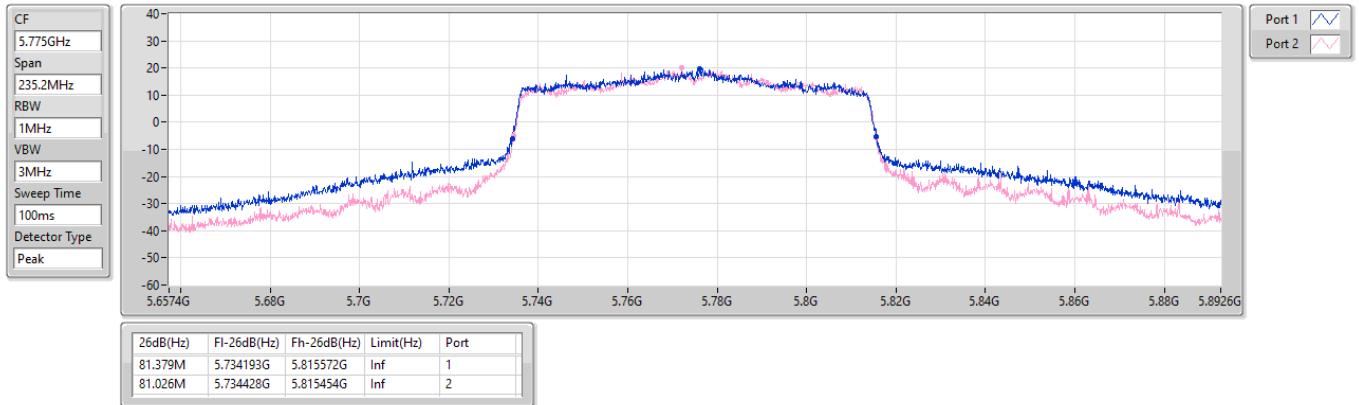


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

14/10/2022



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	19.14	0.08204
802.11ax HEW20_Nss1,(MCS0)_2TX	18.92	0.07798
802.11ax HEW40_Nss1,(MCS0)_2TX	18.06	0.06397
802.11ax HEW80_Nss1,(MCS0)_2TX	14.81	0.03027
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	24.31	0.26977
802.11ax HEW20_Nss1,(MCS0)_2TX	25.18	0.32961
802.11ax HEW40_Nss1,(MCS0)_2TX	24.41	0.27606
802.11ax HEW80_Nss1,(MCS0)_2TX	22.19	0.16558



Average Power_Ant. Set 1

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	24.57	13.91	14.23	17.08	28.43
5200MHz	Pass	24.57	15.92	15.68	18.81	28.43
5240MHz	Pass	24.57	16.13	16.13	19.14	28.43
5745MHz	Pass	24.57	21.73	20.82	24.31	30.00
5785MHz	Pass	24.57	20.85	20.81	23.84	30.00
5825MHz	Pass	24.57	20.19	19.90	23.06	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	24.57	15.49	15.60	18.56	28.43
5200MHz	Pass	24.57	15.49	15.33	18.42	28.43
5240MHz	Pass	24.57	15.86	15.95	18.92	28.43
5745MHz	Pass	24.57	22.51	21.81	25.18	30.00
5785MHz	Pass	24.57	21.47	21.07	24.28	30.00
5825MHz	Pass	24.57	22.26	22.03	25.16	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	24.57	12.98	12.48	15.75	28.43
5230MHz	Pass	24.57	15.00	15.09	18.06	28.43
5755MHz	Pass	24.57	21.28	21.52	24.41	30.00
5795MHz	Pass	24.57	20.28	20.75	23.53	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	24.57	11.99	11.60	14.81	28.43
5775MHz	Pass	24.57	19.06	19.30	22.19	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP / Elevation angle higher than 30° EIRP (dBm)	EIRP / Elevation angle higher than 30° EIRP Limit (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	18.79	0.07568	20.79/20.79	0.11995/0.11995
802.11ax HEW20_Nss1,(MCS0)_2TX	18.79	0.07568	20.79/20.79	0.11995/0.11995
802.11ax HEW40_Nss1,(MCS0)_2TX	18.62	0.07278	20.62/20.62	0.11535/0.11535
802.11ax HEW80_Nss1,(MCS0)_2TX	18.79	0.07568	20.79/20.79	0.11995/0.11995
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	29.93	0.98401	31.93	1.55955
802.11ax HEW20_Nss1,(MCS0)_2TX	29.16	0.82414	31.16	1.30617
802.11ax HEW40_Nss1,(MCS0)_2TX	29.09	0.81096	31.09	1.28529
802.11ax HEW80_Nss1,(MCS0)_2TX	26.87	0.48641	28.87	0.77090

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP / Elevation angle higher than 30° EIRP (dBm)	EIRP / Elevation angle higher than 30° EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.00	15.65	15.69	18.68	30.00	20.68/20.68	Inf/21.00
5200MHz	Pass	2.00	15.84	15.71	18.79	30.00	20.79/20.79	Inf/21.00
5240MHz	Pass	2.00	15.57	15.88	18.74	30.00	20.74/20.74	Inf/21.00
5745MHz	Pass	2.00	27.29	26.28	29.82	30.00	31.82	Inf
5785MHz	Pass	2.00	26.94	26.90	29.93	30.00	31.93	Inf
5825MHz	Pass	2.00	26.40	26.97	29.70	30.00	31.70	Inf
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.00	15.38	15.64	18.52	30.00	20.52/20.52	Inf/21.00
5200MHz	Pass	2.00	15.64	15.42	18.54	30.00	20.54/20.54	Inf/21.00
5240MHz	Pass	2.00	15.69	15.86	18.79	30.00	20.79/20.79	Inf/21.00
5745MHz	Pass	2.00	20.07	19.36	22.74	30.00	24.74	Inf
5785MHz	Pass	2.00	26.10	26.01	29.07	30.00	31.07	Inf
5825MHz	Pass	2.00	25.64	26.61	29.16	30.00	31.16	Inf
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.00	15.40	15.64	18.53	30.00	20.53/20.53	Inf/21.00
5230MHz	Pass	2.00	15.60	15.61	18.62	30.00	20.62/20.62	Inf/21.00
5755MHz	Pass	2.00	23.07	22.57	25.84	30.00	27.84	Inf
5795MHz	Pass	2.00	25.90	26.25	29.09	30.00	31.09	Inf
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.00	16.04	15.51	18.79	30.00	20.79/20.79	Inf/21.00
5775MHz	Pass	2.00	24.07	23.63	26.87	30.00	28.87	Inf

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	8.42
802.11ax HEW20_Nss1,(MCS0)_2TX	7.43
802.11ax HEW40_Nss1,(MCS0)_2TX	3.89
802.11ax HEW80_Nss1,(MCS0)_2TX	-1.74
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	11.62
802.11ax HEW20_Nss1,(MCS0)_2TX	11.86
802.11ax HEW40_Nss1,(MCS0)_2TX	8.49
802.11ax HEW80_Nss1,(MCS0)_2TX	3.88

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	27.58	3.22	3.30	6.27	15.43
5200MHz	Pass	27.58	4.83	5.14	7.96	15.43
5240MHz	Pass	27.58	5.58	5.39	8.42	15.43
5745MHz	Pass	27.58	8.91	9.02	11.62	30.00
5785MHz	Pass	27.58	8.22	7.46	10.35	30.00
5825MHz	Pass	27.58	7.80	7.57	10.05	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	27.58	4.02	4.41	7.23	15.43
5200MHz	Pass	27.58	4.09	3.94	7.00	15.43
5240MHz	Pass	27.58	4.61	4.47	7.43	15.43
5745MHz	Pass	27.58	8.40	8.97	11.44	30.00
5785MHz	Pass	27.58	8.06	6.37	10.12	30.00
5825MHz	Pass	27.58	8.74	9.22	11.86	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	27.58	-1.20	-1.63	1.57	15.43
5230MHz	Pass	27.58	1.03	0.92	3.89	15.43
5755MHz	Pass	27.58	5.98	5.68	8.42	30.00
5795MHz	Pass	27.58	6.22	6.04	8.49	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	27.58	-4.68	-4.77	-1.74	15.43
5775MHz	Pass	27.58	1.96	1.58	3.88	30.00

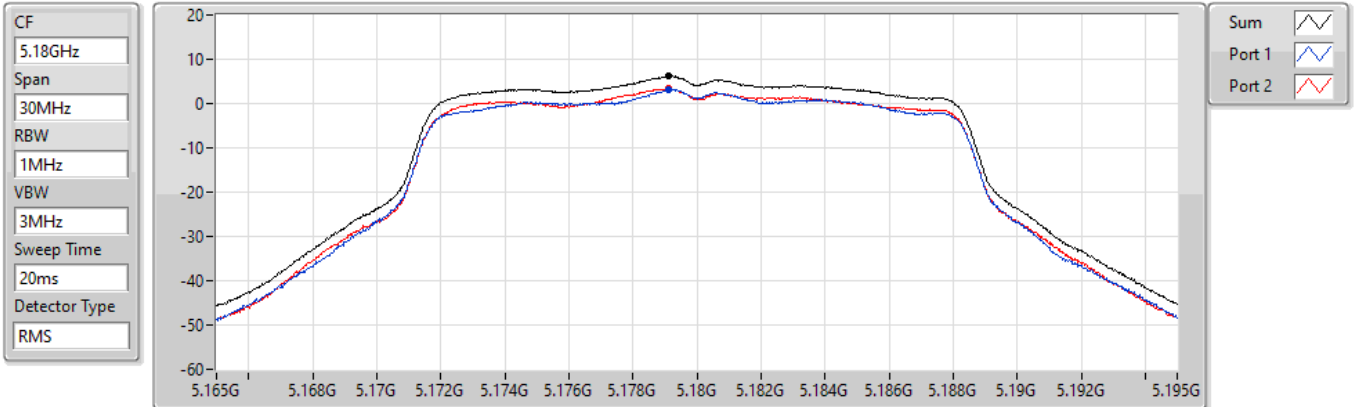
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

13/09/2022

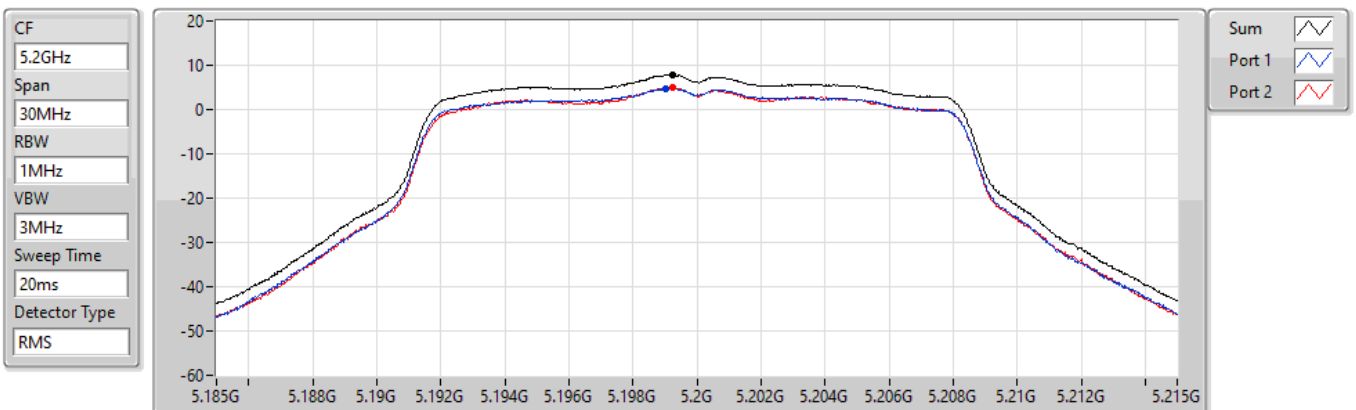


802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

13/09/2022

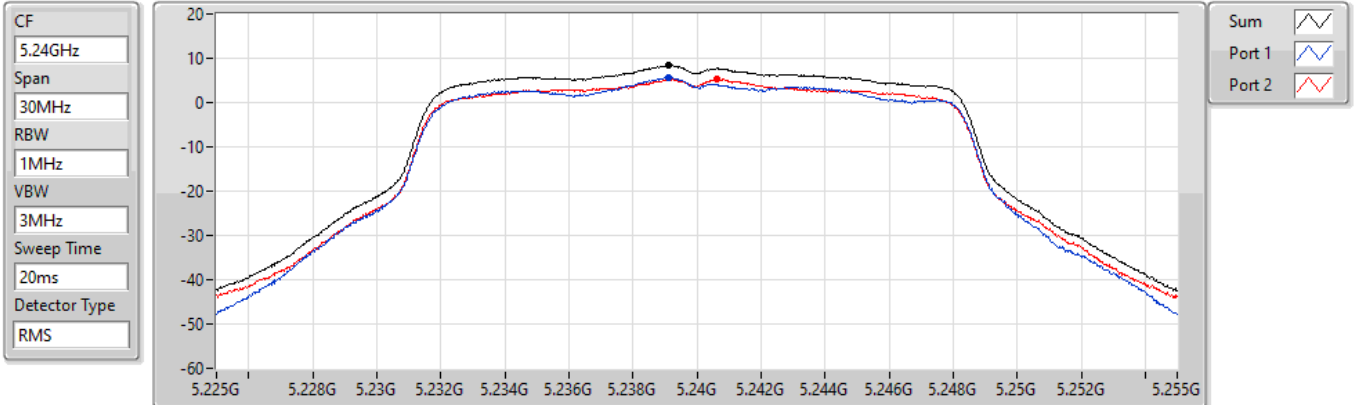


802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

13/09/2022

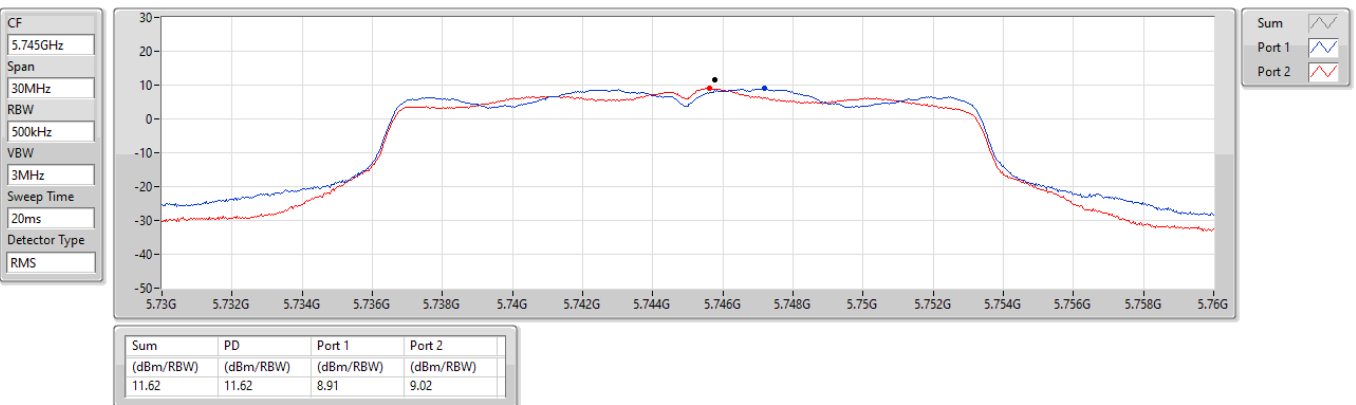


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

17/02/2023

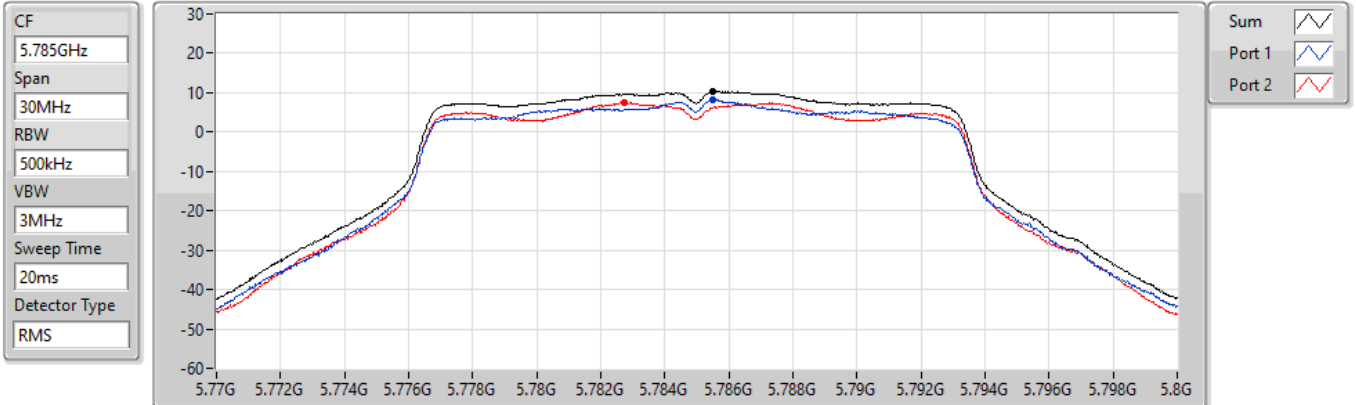


802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

14/09/2022

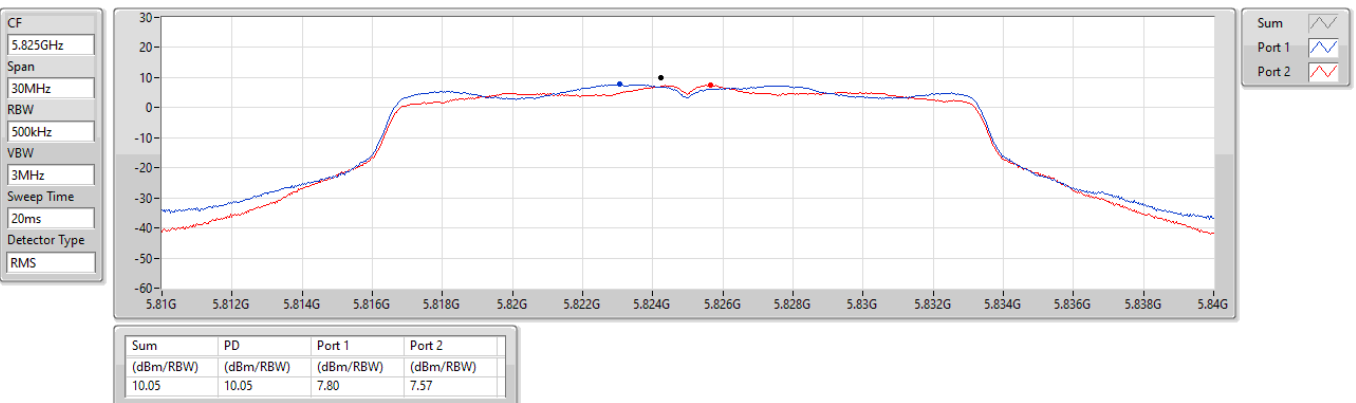


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

17/02/2023

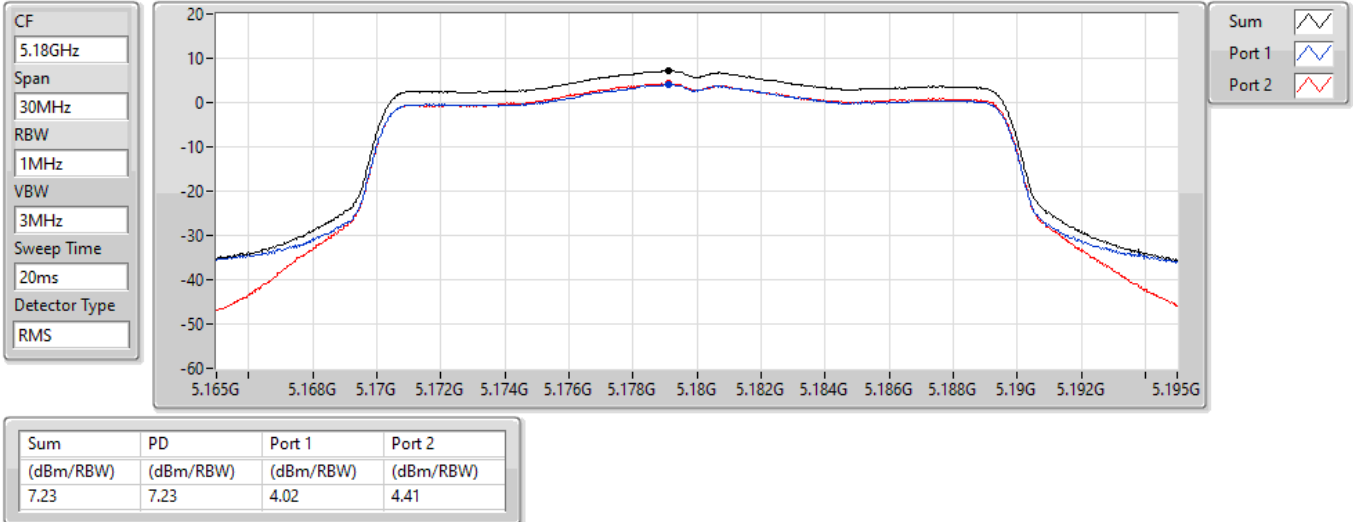


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5180MHz

13/09/2022

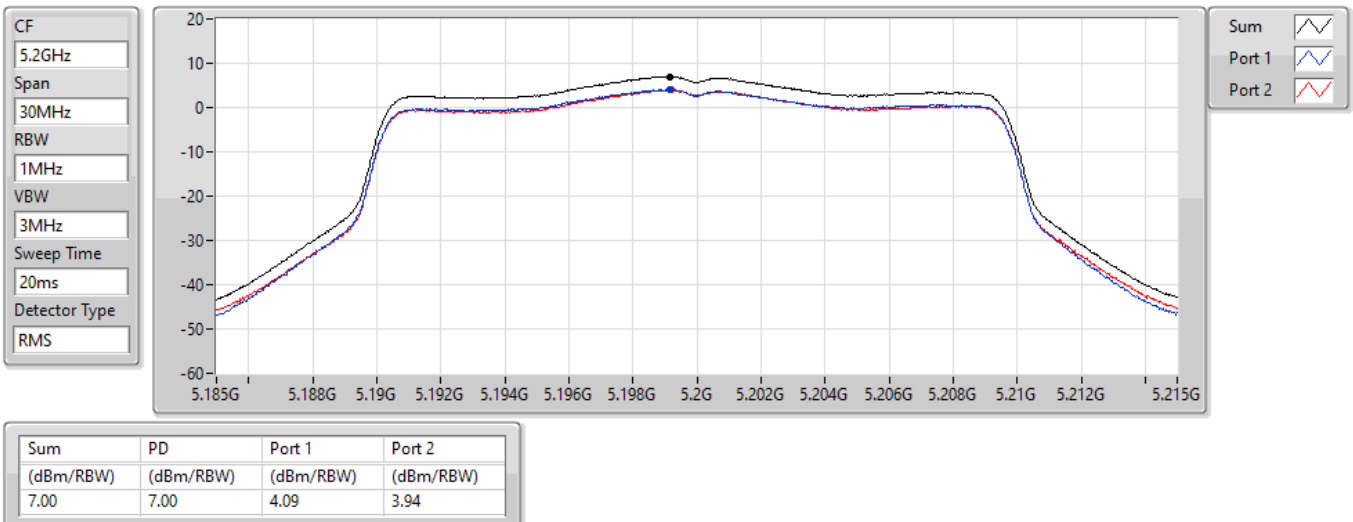


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5200MHz

13/09/2022

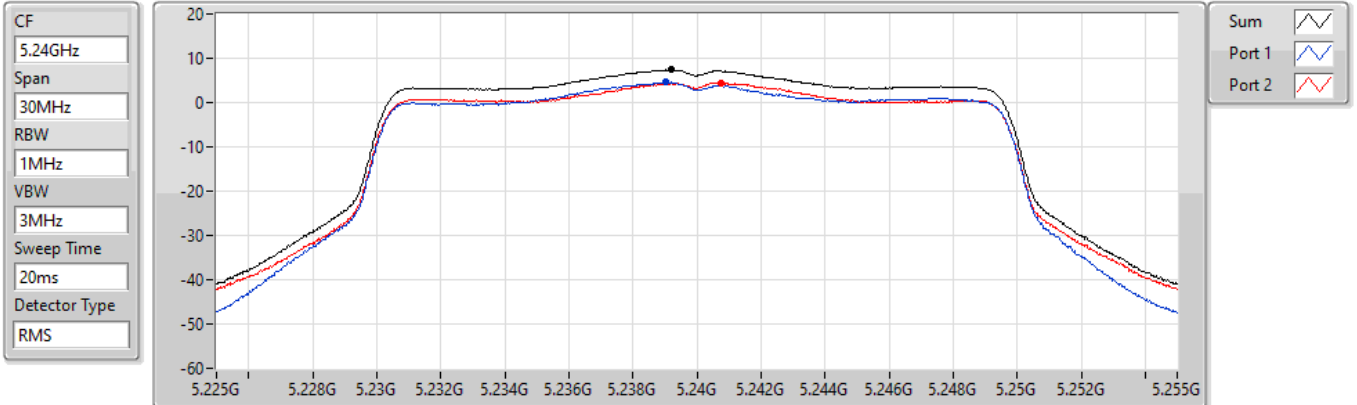


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5240MHz

13/09/2022

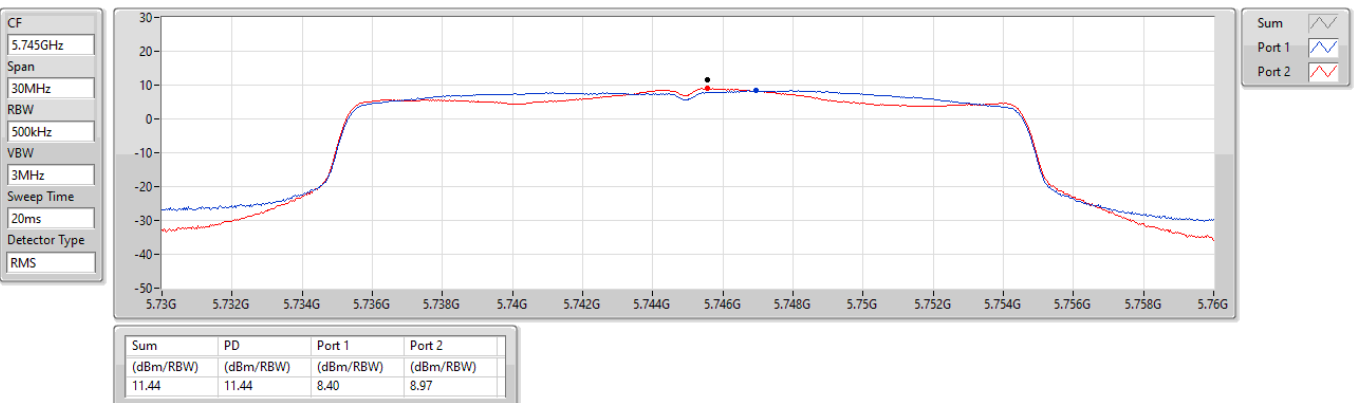


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5745MHz

17/02/2023

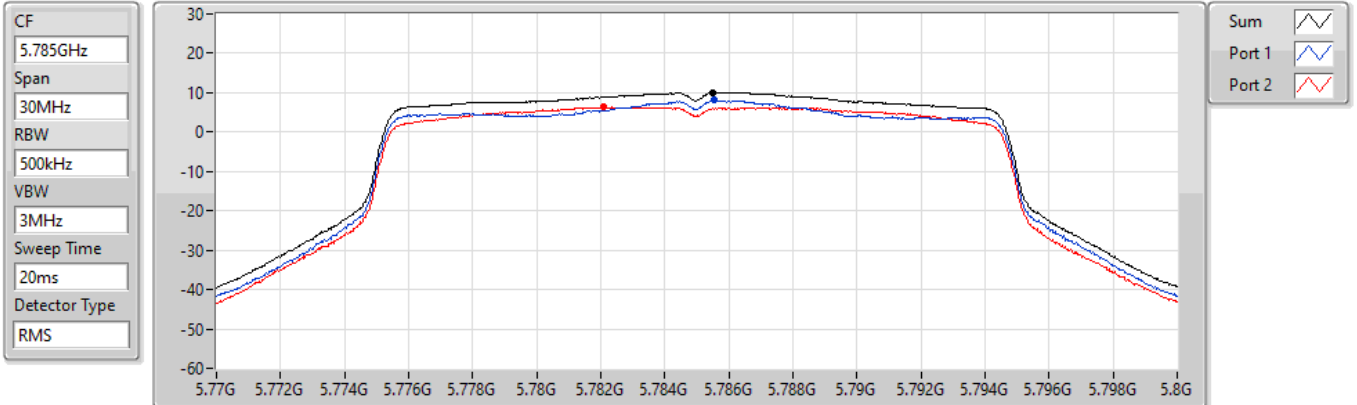


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5785MHz

14/09/2022

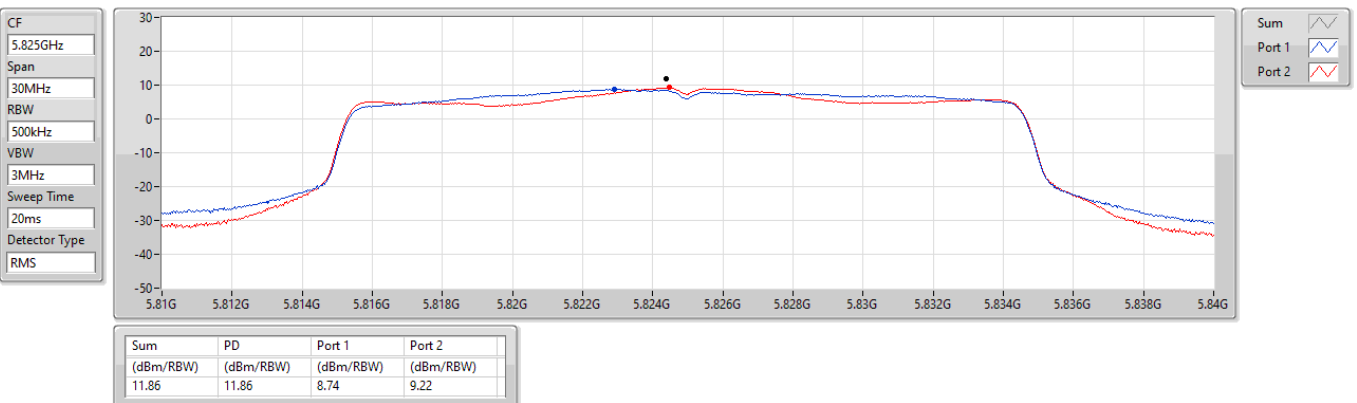


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5825MHz

17/02/2023

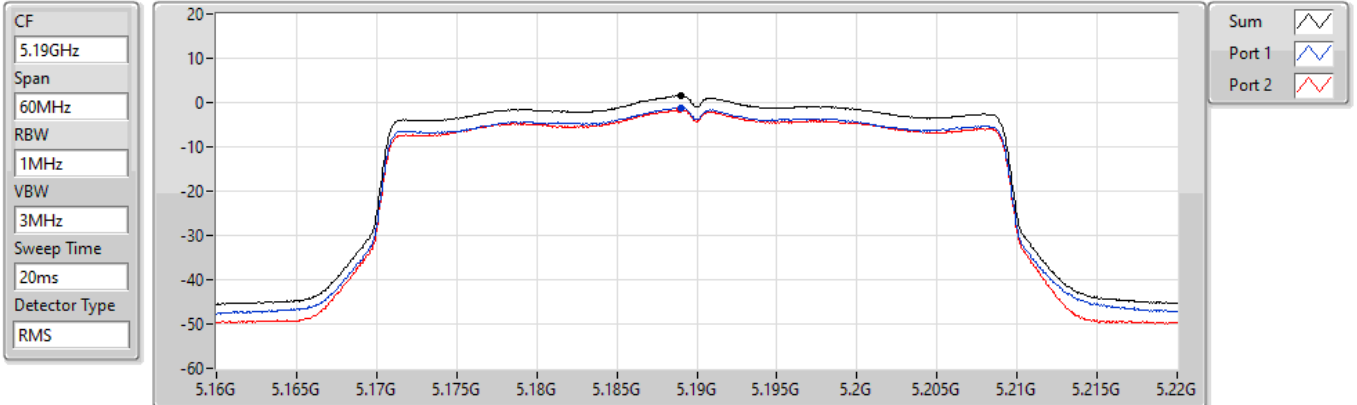


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5190MHz

13/09/2022

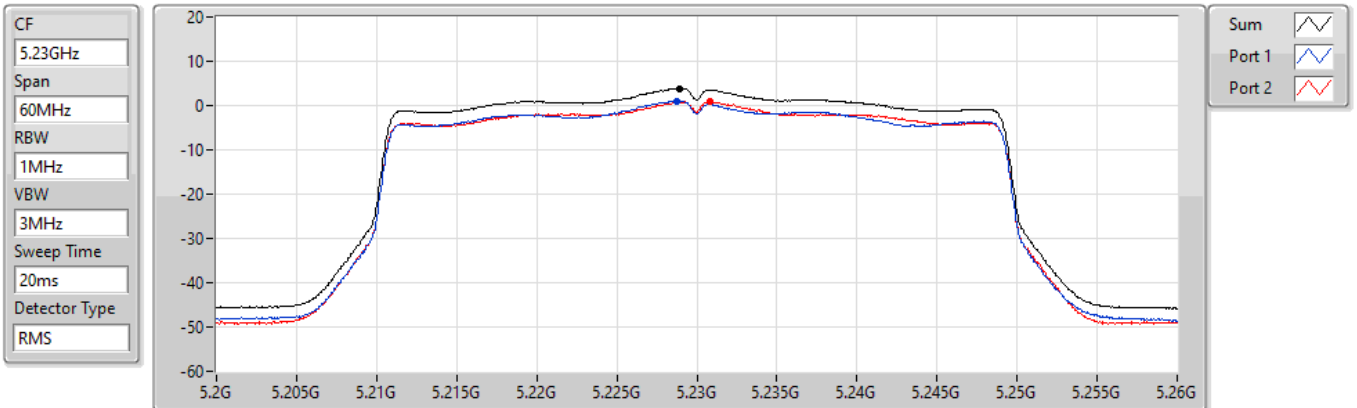


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5230MHz

13/09/2022

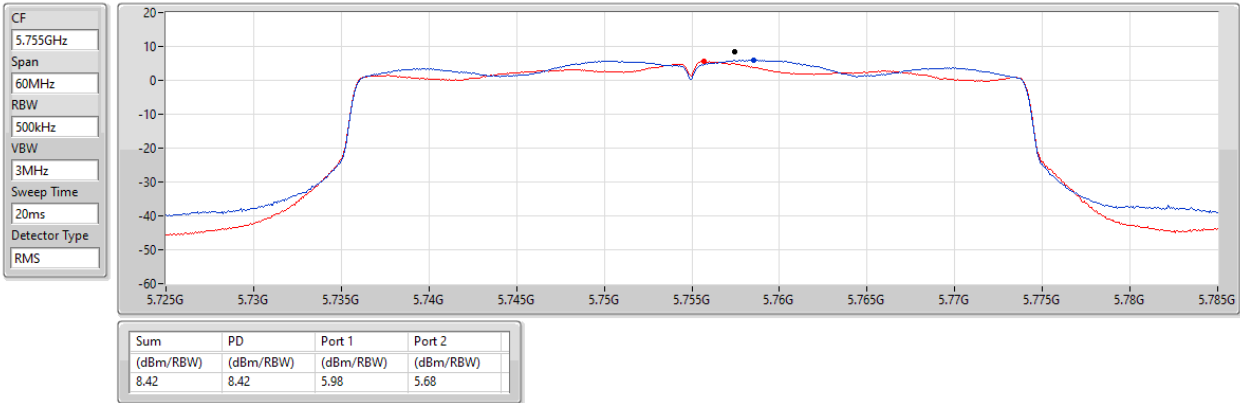


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz

PSD

17/02/2023

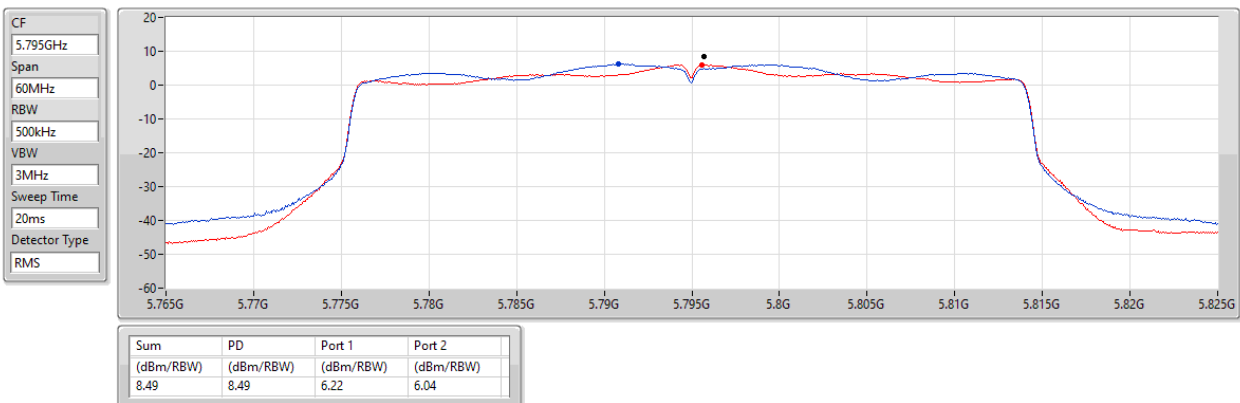


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz

PSD

17/02/2023

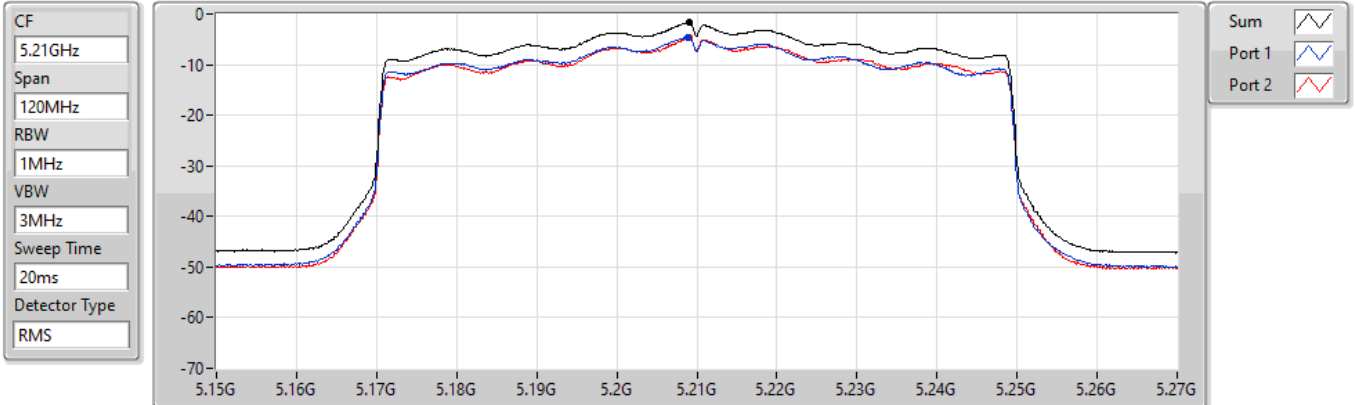


802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5210MHz

13/09/2022



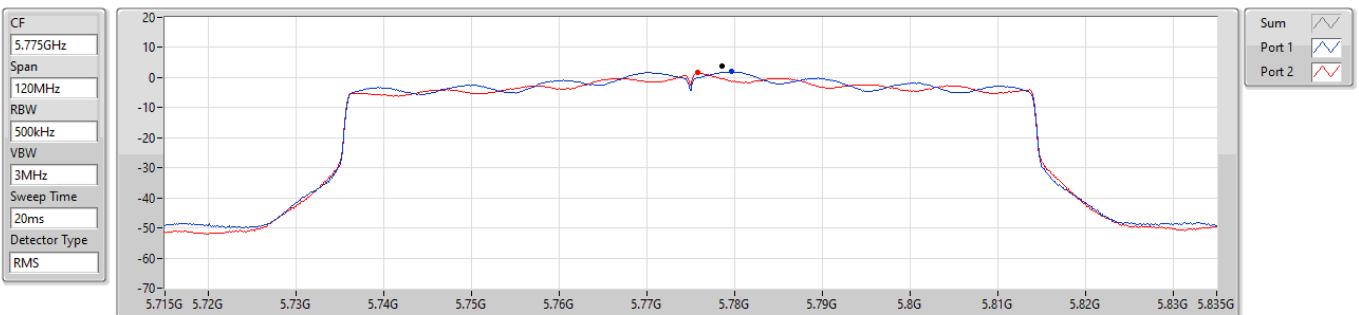
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.74	-1.74	-4.68	-4.77

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5775MHz

17/02/2023



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.88	3.88	1.96	1.58

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	8.24
802.11ax HEW20_Nss1,(MCS0)_2TX	7.78
802.11ax HEW40_Nss1,(MCS0)_2TX	5.07
802.11ax HEW80_Nss1,(MCS0)_2TX	2.71
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	15.33
802.11ax HEW20_Nss1,(MCS0)_2TX	15.29
802.11ax HEW40_Nss1,(MCS0)_2TX	12.61
802.11ax HEW80_Nss1,(MCS0)_2TX	8.20

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	5.01	5.03	5.50	8.22	17.00
5200MHz	Pass	5.01	5.31	5.03	8.18	17.00
5240MHz	Pass	5.01	5.41	5.16	8.24	17.00
5745MHz	Pass	5.01	12.80	12.19	15.33	30.00
5785MHz	Pass	5.01	12.62	11.76	14.97	30.00
5825MHz	Pass	5.01	12.82	12.18	15.09	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.01	4.70	4.82	7.75	17.00
5200MHz	Pass	5.01	4.84	4.67	7.71	17.00
5240MHz	Pass	5.01	4.86	4.73	7.78	17.00
5745MHz	Pass	5.01	7.72	5.60	9.77	30.00
5785MHz	Pass	5.01	12.91	11.72	15.29	30.00
5825MHz	Pass	5.01	12.70	12.22	15.23	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	5.01	1.29	1.44	4.32	17.00
5230MHz	Pass	5.01	2.08	2.14	5.07	17.00
5755MHz	Pass	5.01	7.71	6.63	9.88	30.00
5795MHz	Pass	5.01	10.27	9.45	12.61	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	5.01	-0.02	-0.59	2.71	17.00
5775MHz	Pass	5.01	5.91	5.34	8.20	30.00

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

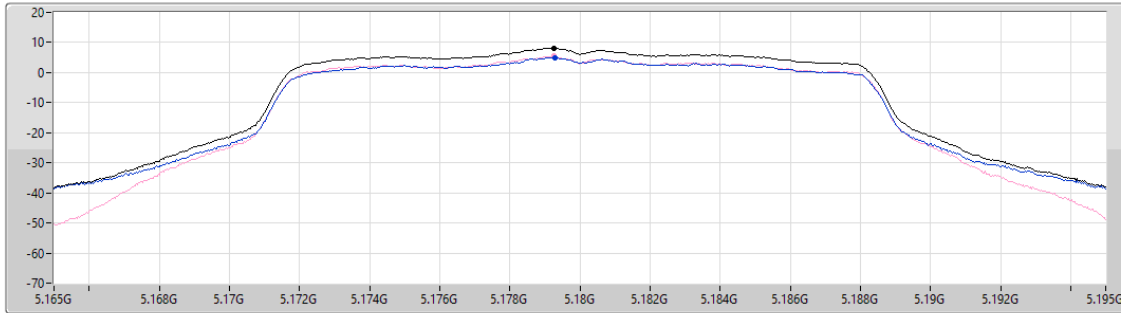
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz

PSD

14/10/2022

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
8.22	8.22	5.03	5.50

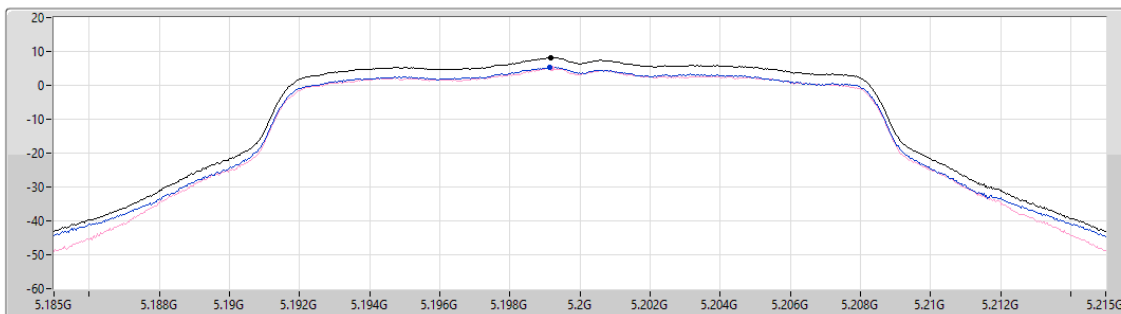
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5200MHz

PSD

14/10/2022

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

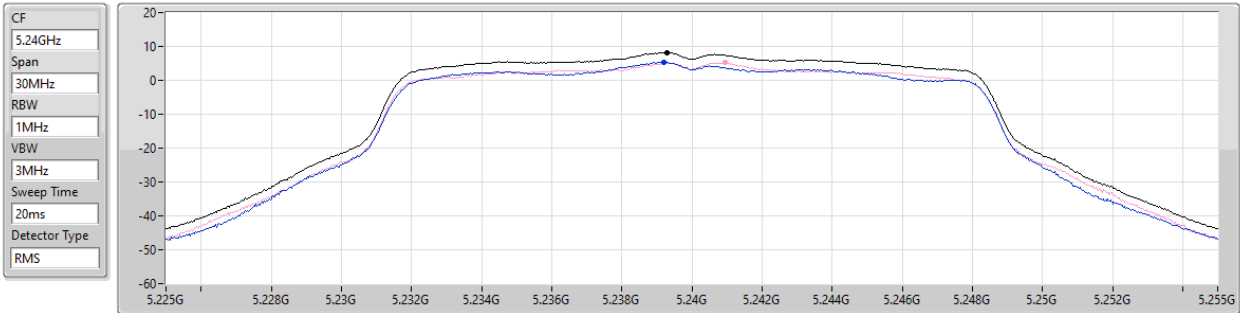
Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
8.18	8.18	5.31	5.03

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5240MHz

PSD

14/10/2022



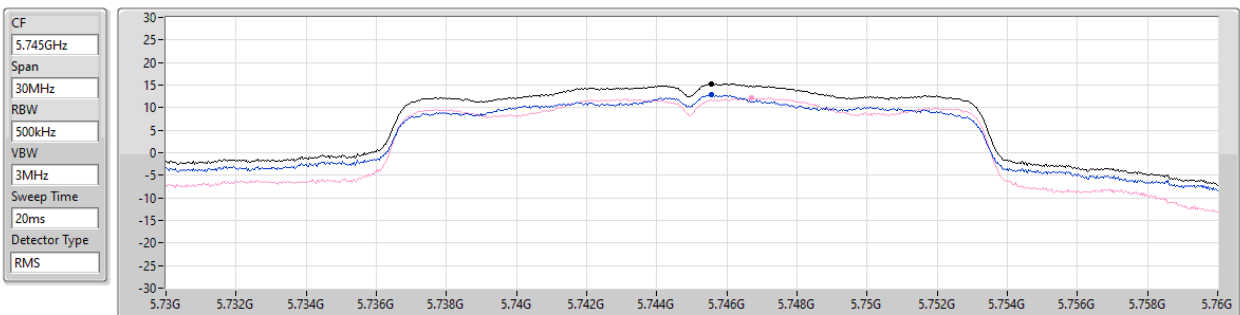
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.24	8.24	5.41	5.16

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5745MHz

PSD

14/10/2022



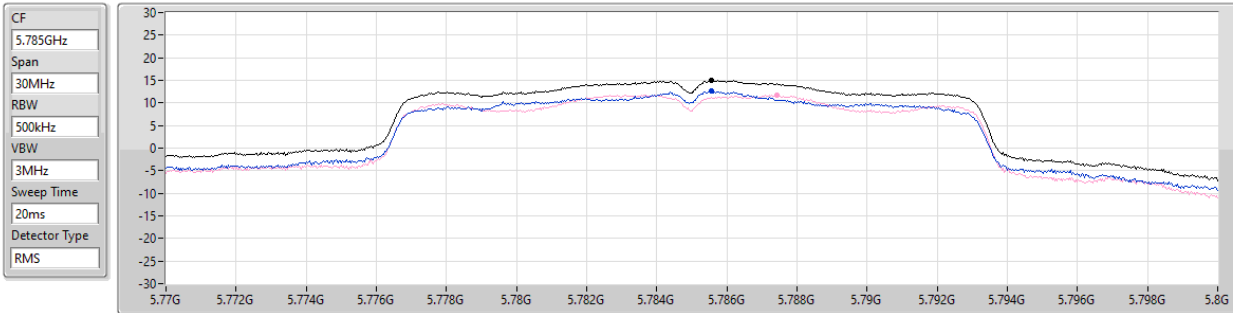
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
15.33	15.33	12.80	12.19

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5785MHz

PSD

14/10/2022



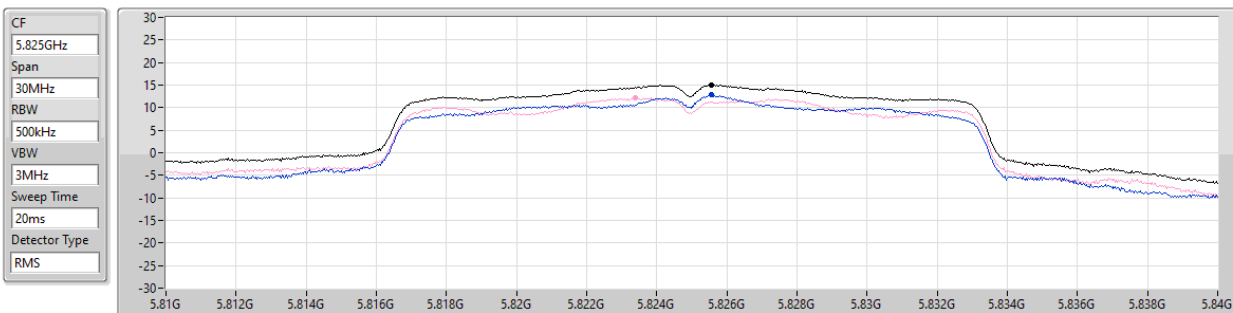
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.97	14.97	12.62	11.76

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5825MHz

PSD

14/10/2022



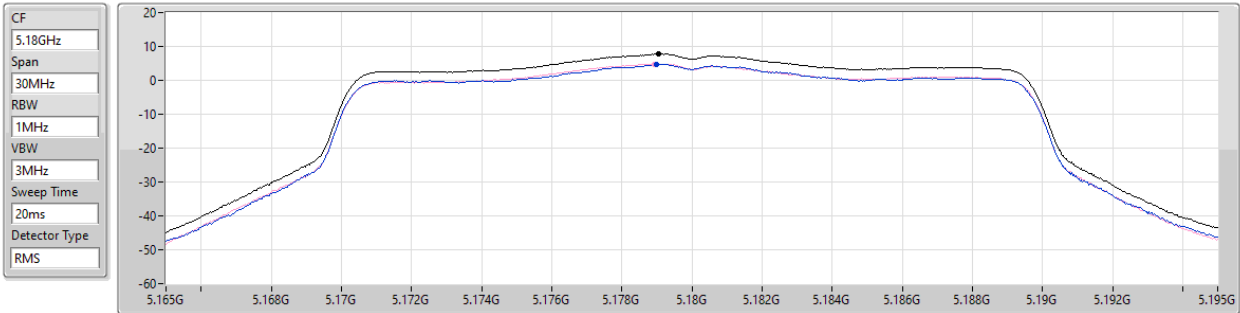
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.09	15.09	12.82	12.18

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz

PSD

15/10/2022



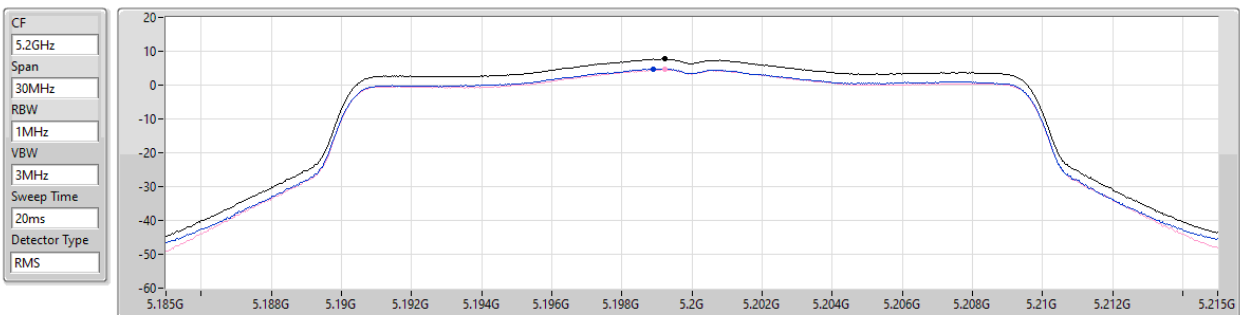
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.75	7.75	4.70	4.82

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz

PSD

15/10/2022



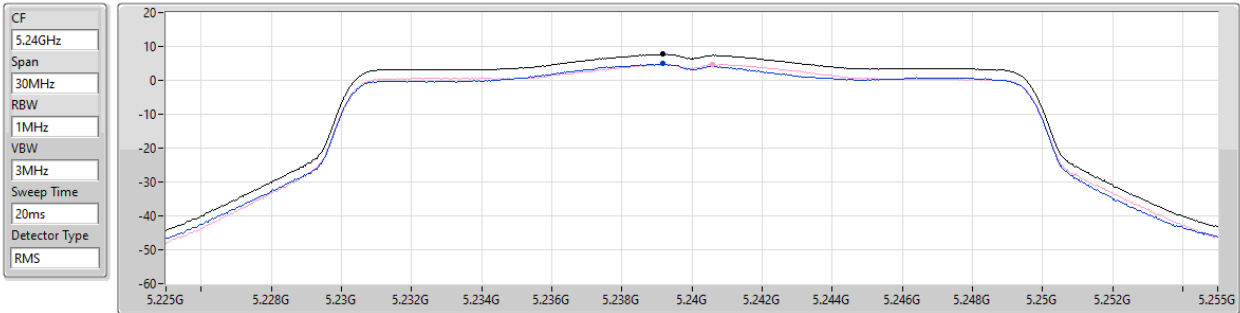
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.71	7.71	4.84	4.67

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz

PSD

15/10/2022



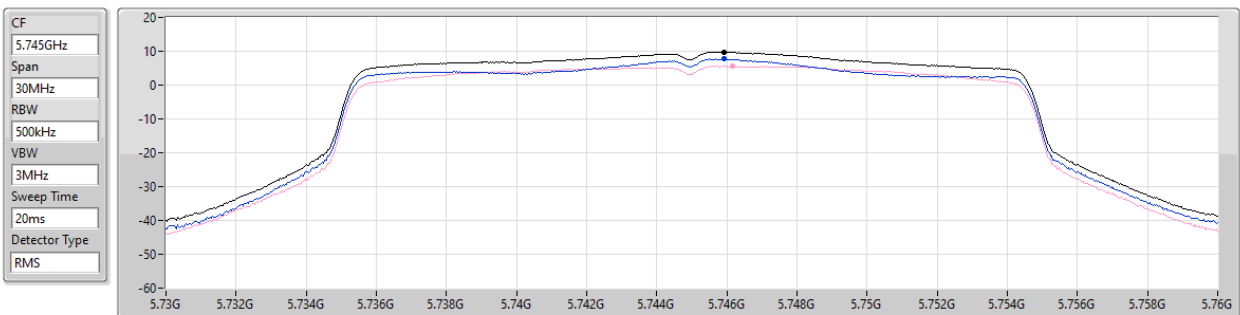
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.78	7.78	4.86	4.73

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz

PSD

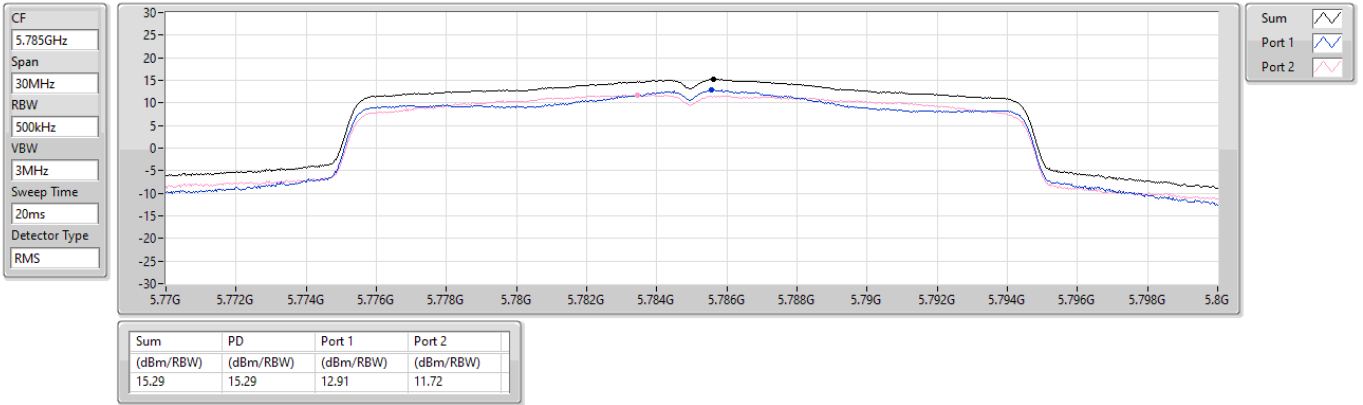
14/10/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.77	9.77	7.72	5.60

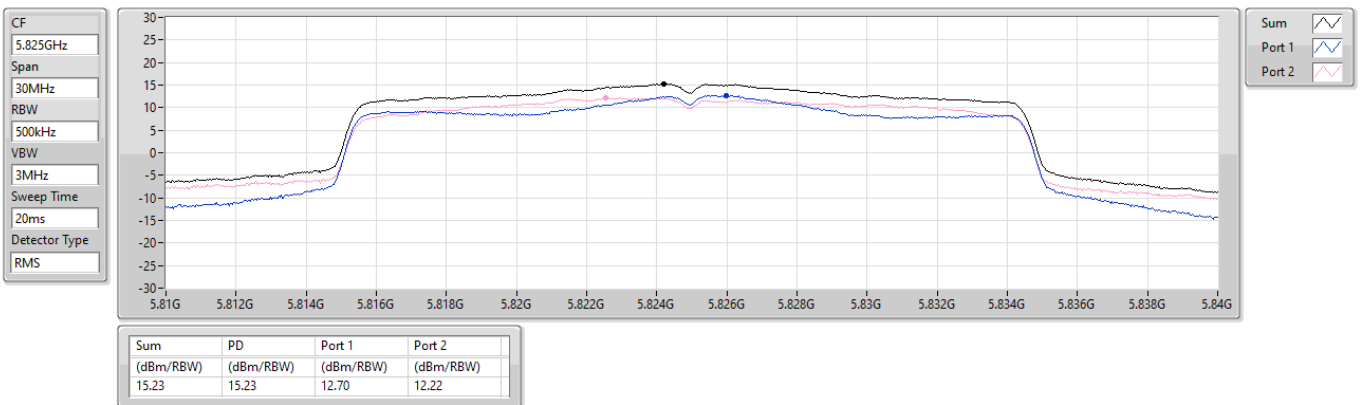
5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz

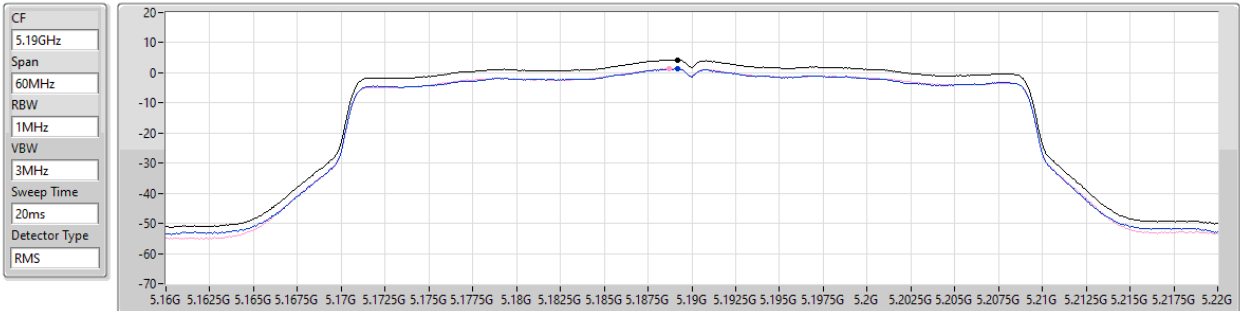


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz

PSD

14/10/2022



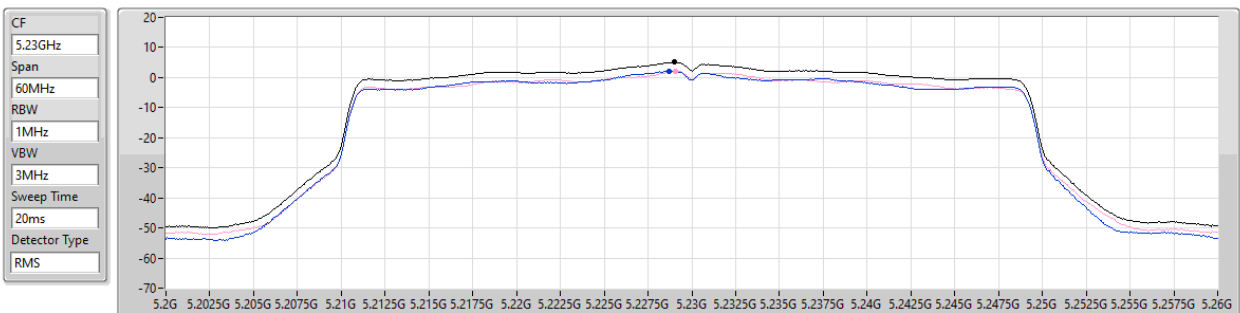
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.32	4.32	1.29	1.44

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz

PSD

15/10/2022



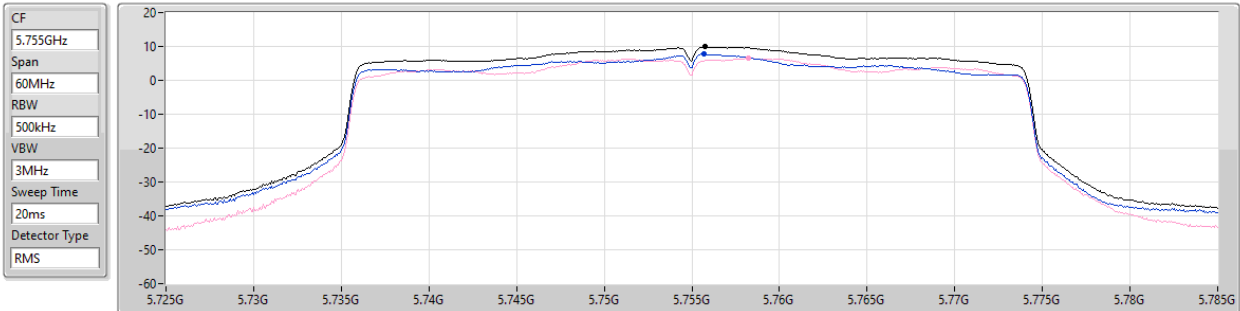
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.07	5.07	2.08	2.14

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz

PSD

14/10/2022



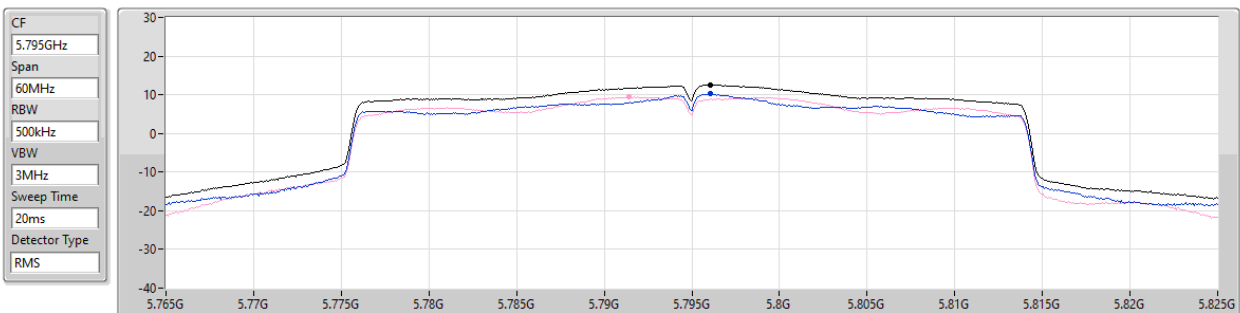
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.88	9.88	7.71	6.63

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz

PSD

14/10/2022



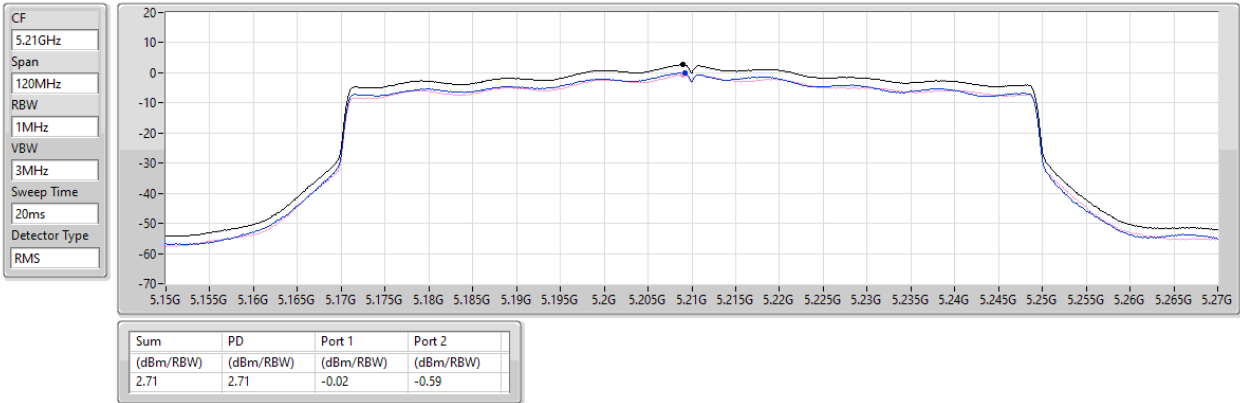
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.61	12.61	10.27	9.45

5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz

PSD

15/10/2022

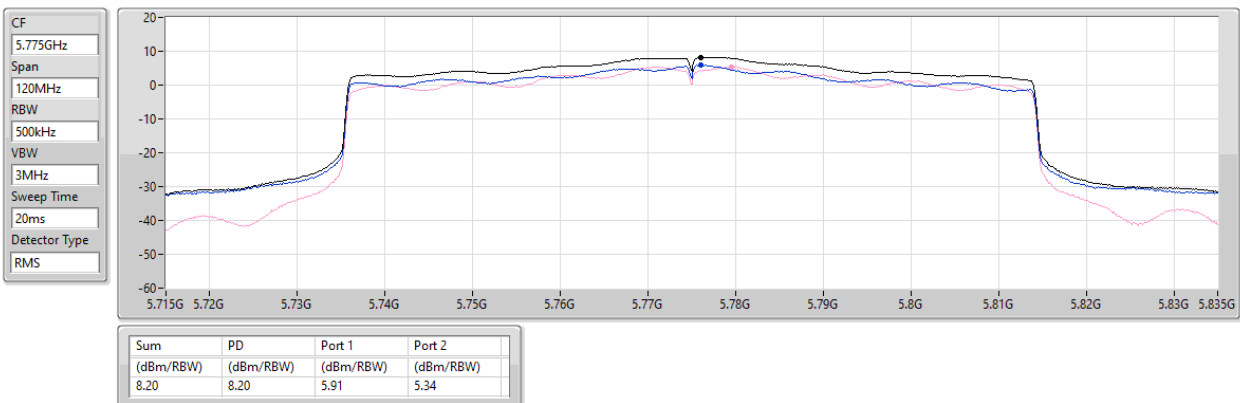


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz

PSD

14/10/2022

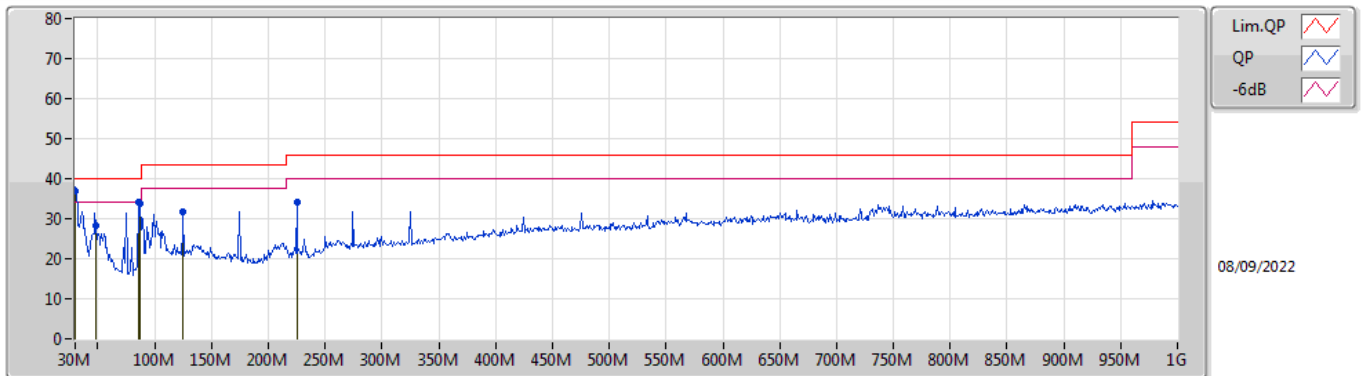




Summary

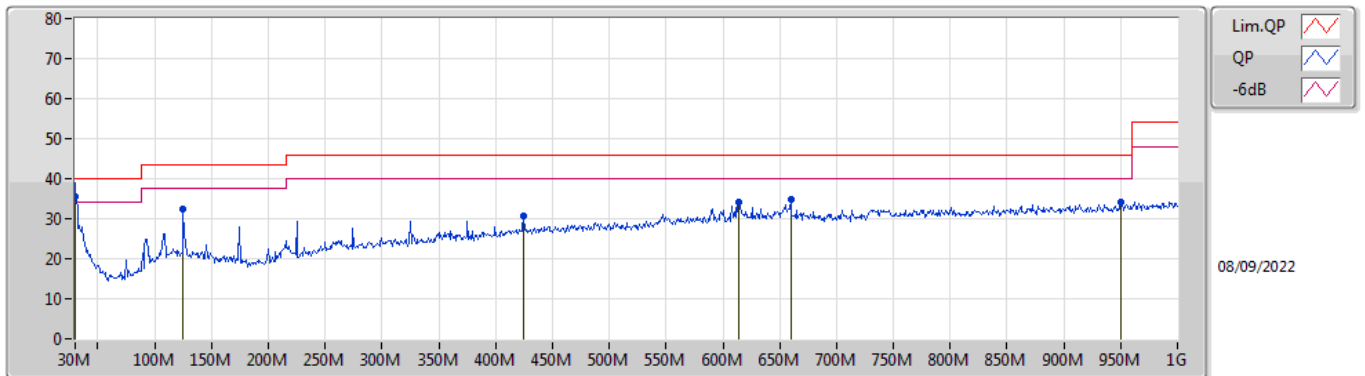
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	30M	36.75	40.00	-3.25	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	30M	36.75	40.00	-3.25	-2.07	3	Vertical	83	1.50	"Worst"	38.82	25.20	1.20	28.47
PK	48.43M	28.17	40.00	-11.83	-12.28	3	Vertical	253	1.00	-	40.45	14.87	1.33	28.48
PK	85.29M	34.02	40.00	-5.98	-13.17	3	Vertical	360	1.00	-	47.19	13.86	1.50	28.53
PK	87.23M	33.76	40.00	-6.24	-12.90	3	Vertical	352	1.00	-	46.66	14.11	1.50	28.51
PK	125.06M	31.79	43.50	-11.71	-8.85	3	Vertical	188	2.00	-	40.64	17.74	1.70	28.29
PK	224.97M	34.13	46.00	-11.87	-10.49	3	Vertical	183	1.00	-	44.62	15.28	2.10	27.87

Mode 1



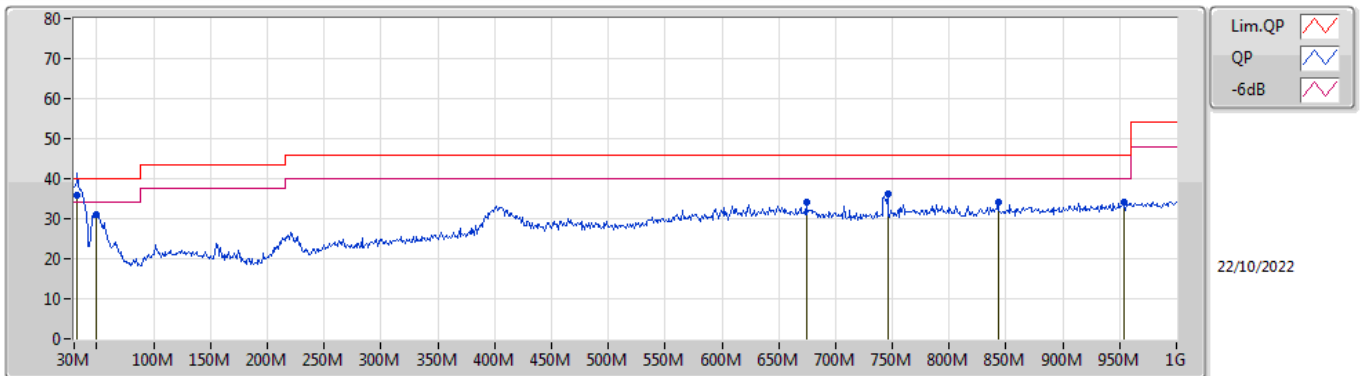
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	30M	35.44	40.00	-4.56	-2.07	3	Horizontal	83	1.50	"Worst"	37.51	25.20	1.20	28.47
PK	125.06M	32.40	43.50	-11.10	-8.85	3	Horizontal	238	1.00	-	41.25	17.74	1.70	28.29
PK	424.79M	30.71	46.00	-15.29	-3.48	3	Horizontal	193	2.00	-	34.19	22.36	2.90	28.74
PK	614M	34.11	46.00	-11.89	-1.20	3	Horizontal	250	1.25	-	35.31	24.76	3.26	29.22
PK	659.53M	34.85	46.00	-11.15	-0.74	3	Horizontal	334	1.25	-	35.59	25.07	3.44	29.25
PK	950.53M	34.15	46.00	-11.85	2.24	3	Horizontal	258	2.00	-	31.91	26.72	4.10	28.58



Summary

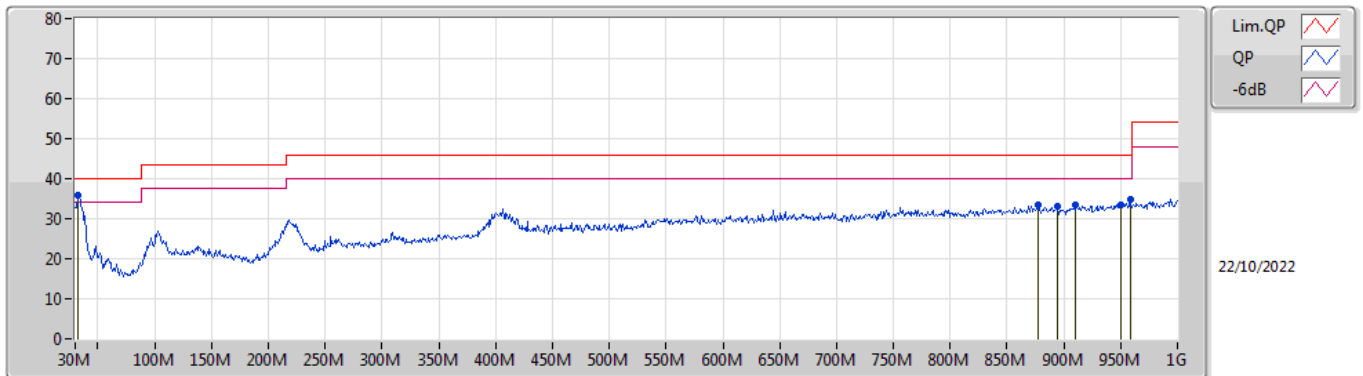
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	32.91M	36.03	40.00	-3.97	Horizontal

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	32.91M	35.73	40.00	-4.27	-4.67	3	Vertical	28	2.00	"Worst"	40.40	23.02	0.77	28.46
PK	49.4M	30.97	40.00	-9.03	-13.04	3	Vertical	352	1.25	-	44.01	14.52	0.92	28.48
PK	674.08M	34.11	46.00	-11.89	-0.72	3	Vertical	72	1.00	-	34.83	25.10	3.41	29.23
PK	745.86M	36.32	46.00	-9.68	0.21	3	Vertical	188	2.00	-	36.11	25.62	3.61	29.02
PK	842.86M	34.17	46.00	-11.83	1.26	3	Vertical	235	1.00	-	32.91	26.19	3.89	28.82
PK	953.44M	34.22	46.00	-11.78	2.41	3	Vertical	108	1.00	-	31.81	26.78	4.19	28.56

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	32.91M	36.03	40.00	-3.97	-4.67	3	Horizontal	360	3.00	"Worst"	40.70	23.02	0.77	28.46
PK	877.78M	33.46	46.00	-12.54	1.57	3	Horizontal	19	1.50	-	31.89	26.32	3.95	28.70
PK	894.27M	33.22	46.00	-12.78	1.72	3	Horizontal	178	1.50	-	31.50	26.40	3.98	28.66
PK	910.76M	33.52	46.00	-12.48	1.86	3	Horizontal	181	1.00	-	31.66	26.46	4.03	28.63
PK	950.53M	33.48	46.00	-12.52	2.32	3	Horizontal	249	1.00	-	31.16	26.72	4.18	28.58
PK	958.29M	34.66	46.00	-11.34	2.51	3	Horizontal	352	2.00	-	32.15	26.83	4.20	28.52



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	EIRP (dBm)	Psum (dBm)	P2 (dBm)	P1 (dBm)	Limit (dBm)	Margin (dB)	DG (dBi)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	30M	1G	PK	-72.66	-82.37	-84.81	-86.04	-55.20	-17.46	5.01

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX



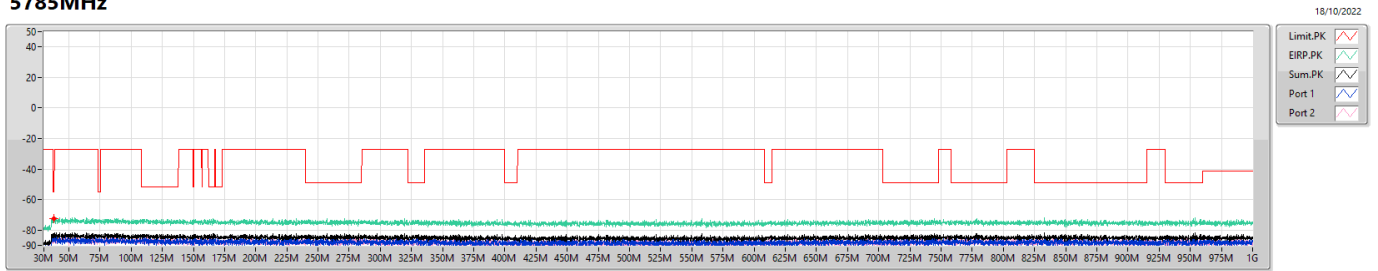
Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)	P2 (dBm)
802.11a_Nss1_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
5785MHz	Pass	30M	1G	PK	37.76M	5.01	-86.04	-84.81	-82.37	-72.66	-55.20	-17.46	-84.81

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
5785MHz

CSE Other [PK]



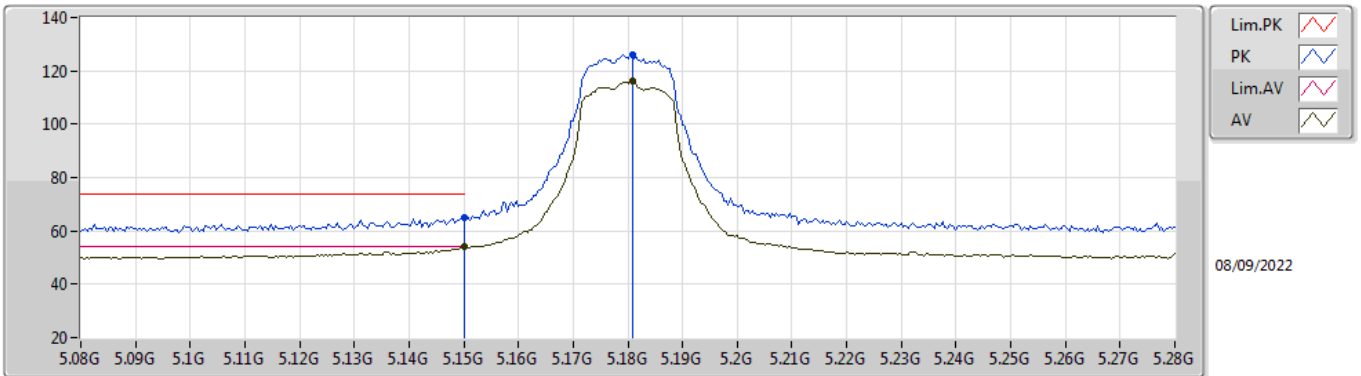


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.15G	53.96	54.00	-0.04	3	Vertical	90	1.72	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

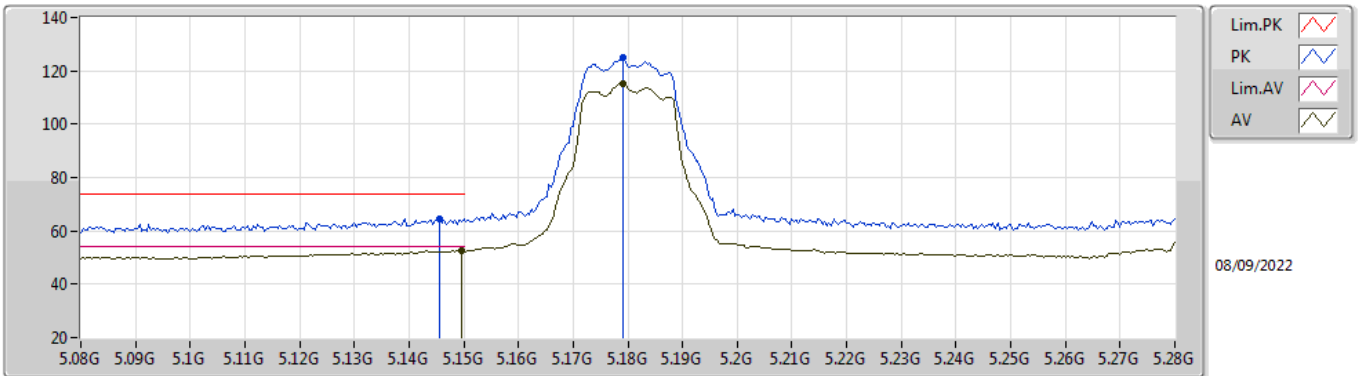


EUT X_2TX
Setting 15
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.15G	65.03	74.00	-8.97	56.91	3	Vertical	90	1.72	-	33.60	5.25	30.73	
AV	5.15G	53.96	54.00	-0.04	45.84	3	Vertical	90	1.72	-	33.60	5.25	30.73	
PK	5.1808G	126.18	Inf	-Inf	117.97	3	Vertical	90	1.72	-	33.66	5.28	30.73	
AV	5.1808G	116.15	Inf	-Inf	107.94	3	Vertical	90	1.72	-	33.66	5.28	30.73	

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

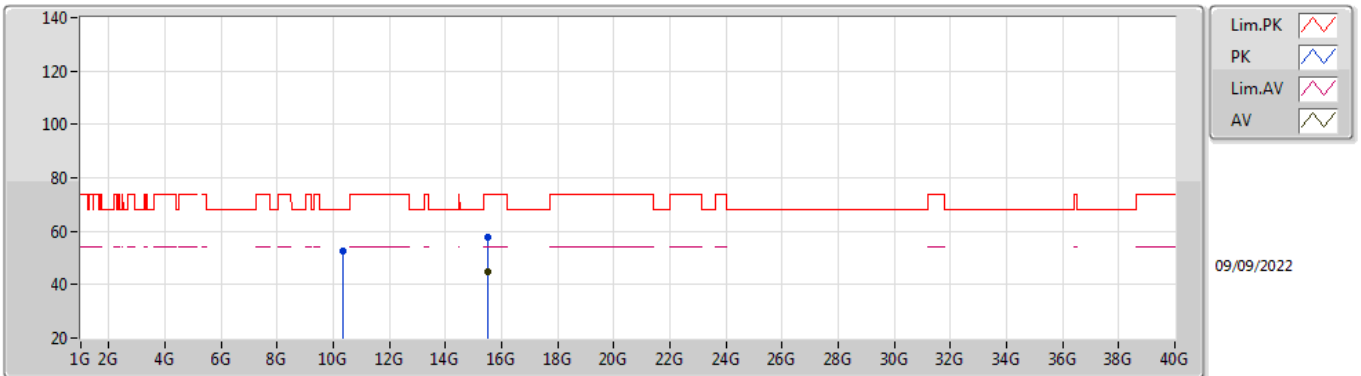


EUT X_2TX
Setting 15
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1456G	64.44	74.00	-9.56	56.33	3	Horizontal	91	1.72	-	33.59	5.25	30.73	
AV	5.1496G	52.68	54.00	-1.32	44.56	3	Horizontal	91	1.72	-	33.60	5.25	30.73	
PK	5.1792G	125.07	Inf	-Inf	116.86	3	Horizontal	91	1.72	-	33.66	5.28	30.73	
AV	5.1792G	115.16	Inf	-Inf	106.95	3	Horizontal	91	1.72	-	33.66	5.28	30.73	

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

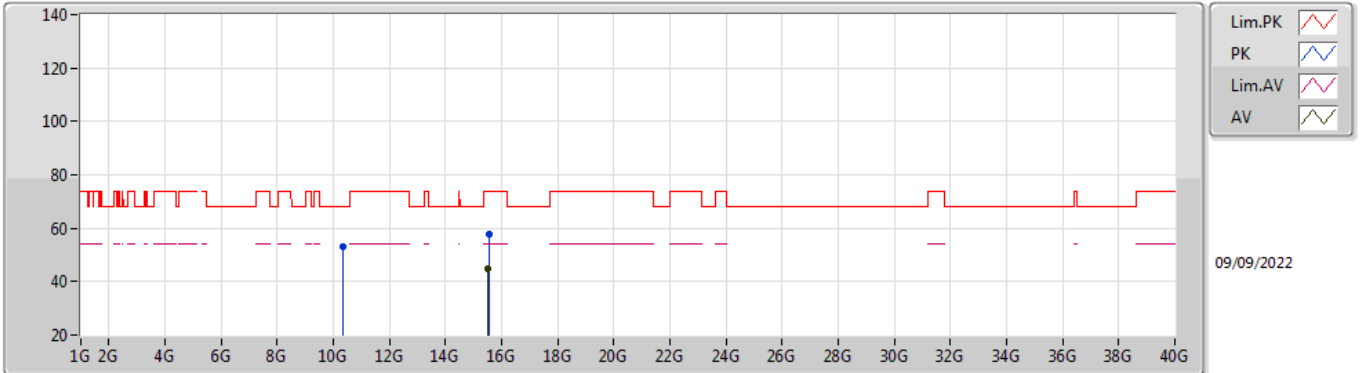


EUT X_2TX
Setting 15
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	10.35128G	52.45	68.20	-15.75	38.19	3	Vertical	117	2.07	-	38.65	7.44	31.83	
PK	15.53188G	57.64	74.00	-16.36	41.29	3	Vertical	44	2.40	-	37.91	9.79	31.35	
AV	15.53G	44.99	54.00	-9.01	28.63	3	Vertical	44	2.40	-	37.92	9.79	31.35	

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TnomVnom

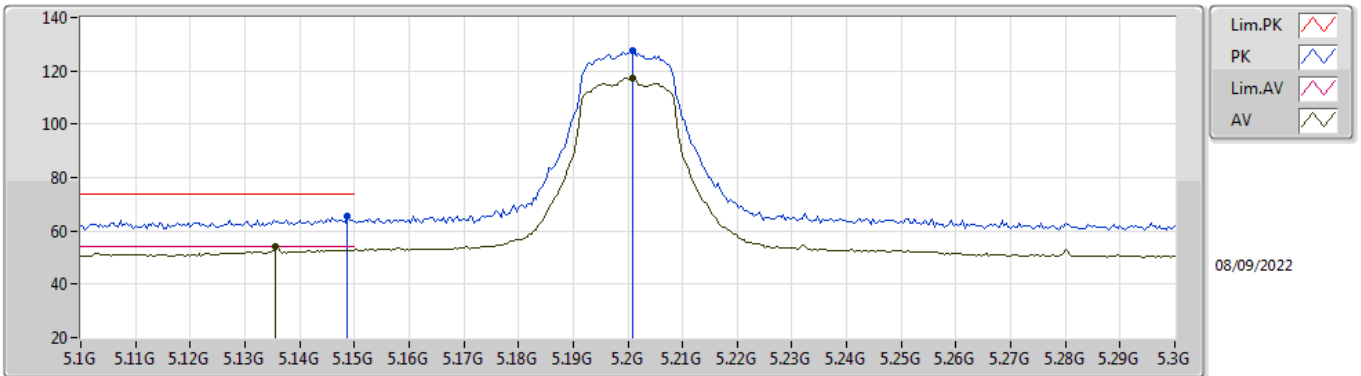


EUT_X_2TX
Setting 15
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.35492G	53.03	68.20	-15.17	38.77	3	Horizontal	16	1.68	-	38.65	7.44	31.83
PK	15.54036G	57.79	74.00	-16.21	41.49	3	Horizontal	224	1.92	-	37.86	9.79	31.35
AV	15.53004G	44.89	54.00	-9.11	28.53	3	Horizontal	224	1.92	-	37.92	9.79	31.35

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

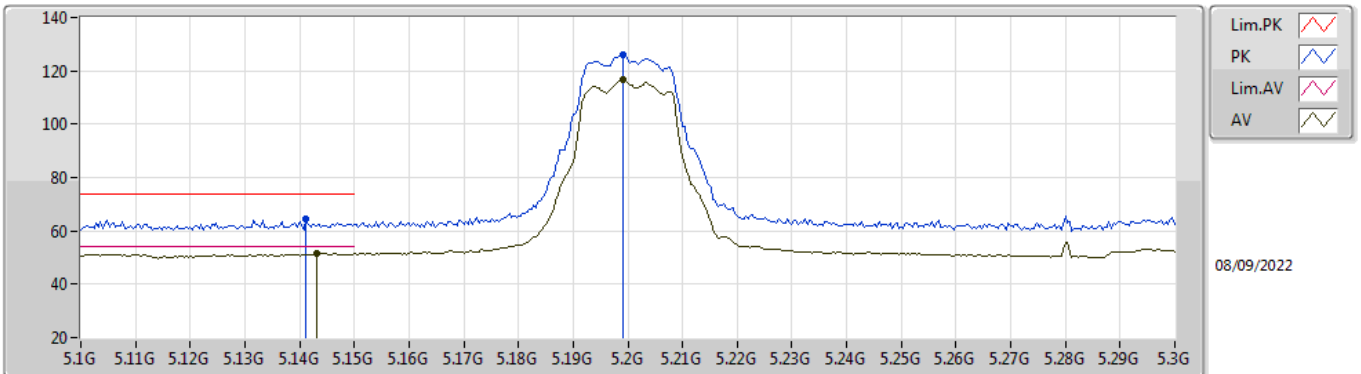


EUT_X_2TX
Setting 17
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1488G	65.39	74.00	-8.61	57.27	3	Vertical	92	1.73	-	33.60	5.25	30.73	
AV	5.1356G	53.90	54.00	-0.10	45.82	3	Vertical	92	1.73	-	33.57	5.24	30.73	
PK	5.2008G	127.79	Inf	-Inf	119.52	3	Vertical	92	1.73	-	33.70	5.30	30.73	
AV	5.2008G	117.43	Inf	-Inf	109.16	3	Vertical	92	1.73	-	33.70	5.30	30.73	

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

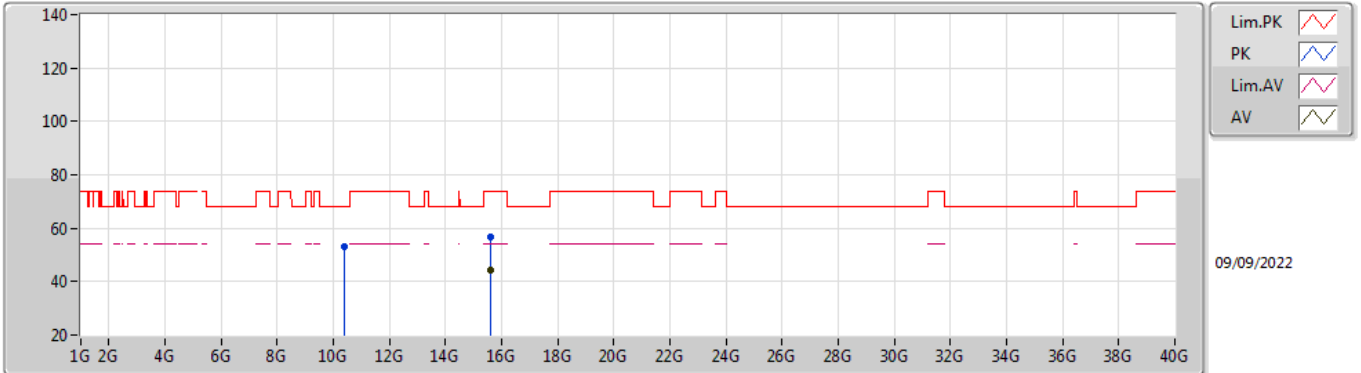


EUT X_2TX
Setting 17
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1412G	64.39	74.00	-9.61	56.30	3	Horizontal	91	1.69	-	33.58	5.24	30.73
AV	5.1432G	51.49	54.00	-2.51	43.39	3	Horizontal	91	1.69	-	33.59	5.24	30.73
PK	5.1992G	126.23	Inf	-Inf	117.96	3	Horizontal	91	1.69	-	33.70	5.30	30.73
AV	5.1992G	116.69	Inf	-Inf	108.42	3	Horizontal	91	1.69	-	33.70	5.30	30.73

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

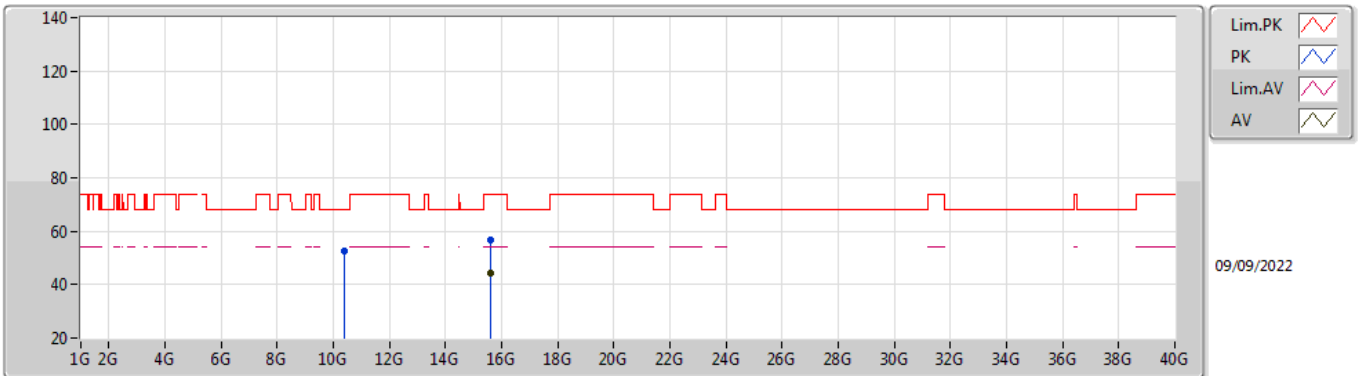


EUT X_2TX
Setting 17
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.39676G	52.88	68.20	-15.32	38.65	3	Vertical	134	2.50	-	38.60	7.46	31.83
PK	15.60296G	56.79	74.00	-17.21	40.85	3	Vertical	113	1.24	-	37.50	9.82	31.38
AV	15.59072G	44.31	54.00	-9.69	28.31	3	Vertical	113	1.24	-	37.56	9.82	31.38

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TnomVnom

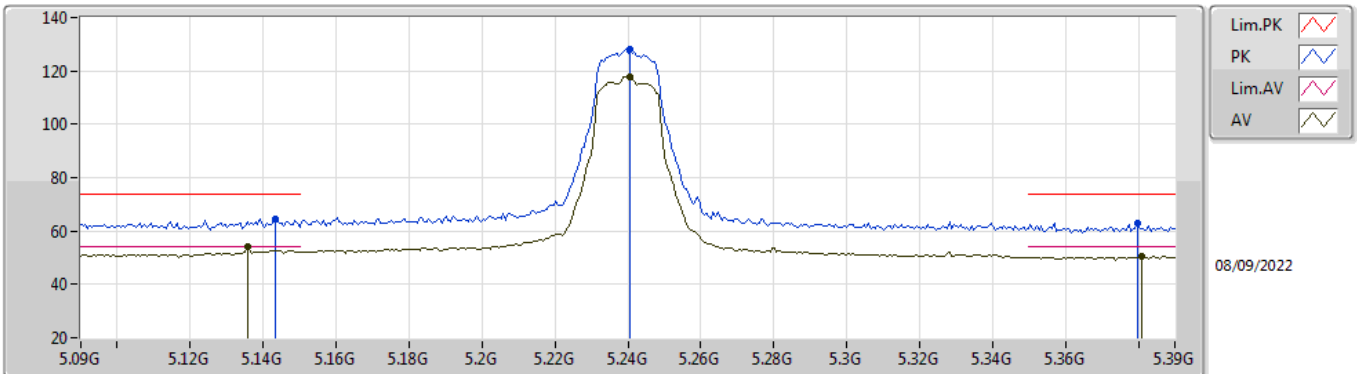


EUT X_2TX
Setting 17
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.40524G	52.56	68.20	-15.64	38.33	3	Horizontal	114	2.03	-	38.60	7.46	31.83
PK	15.59004G	56.56	74.00	-17.44	40.56	3	Horizontal	19	2.35	-	37.56	9.82	31.38
AV	15.59184G	44.16	54.00	-9.84	28.17	3	Horizontal	19	2.35	-	37.55	9.82	31.38

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

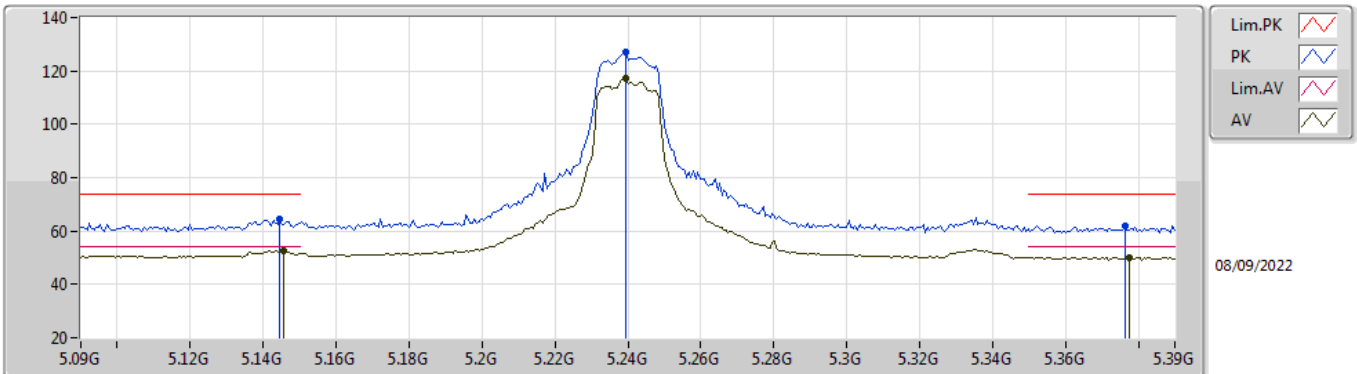


EUT_X_2TX
Setting 17
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1434G	64.68	74.00	-9.32	56.58	3	Vertical	90	1.70	-	33.59	5.24	30.73
AV	5.1356G	53.90	54.00	-0.10	45.82	3	Vertical	90	1.70	-	33.57	5.24	30.73
PK	5.2406G	128.07	Inf	-Inf	119.78	3	Vertical	90	1.70	-	33.70	5.32	30.73
AV	5.2406G	117.75	Inf	-Inf	109.46	3	Vertical	90	1.70	-	33.70	5.32	30.73
PK	5.3798G	62.81	74.00	-11.19	54.18	3	Vertical	90	1.70	-	33.96	5.39	30.72
AV	5.381G	50.41	54.00	-3.59	41.78	3	Vertical	90	1.70	-	33.96	5.39	30.72

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

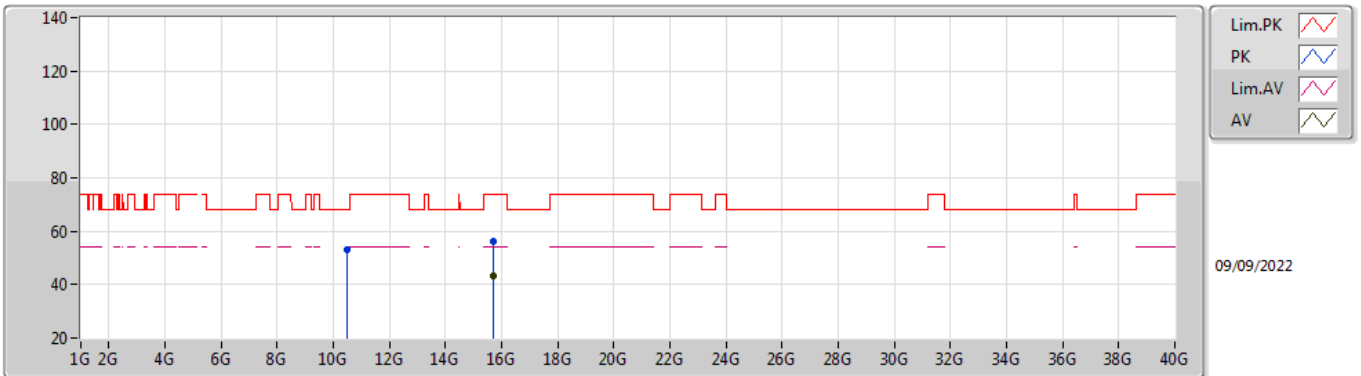


EUT_X_2TX
Setting 17
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1446G	64.60	74.00	-9.40	56.50	3	Horizontal	91	1.74	-	33.59	5.24	30.73
AV	5.1458G	52.48	54.00	-1.52	44.37	3	Horizontal	91	1.74	-	33.59	5.25	30.73
PK	5.2394G	127.10	Inf	-Inf	118.81	3	Horizontal	91	1.74	-	33.70	5.32	30.73
AV	5.2394G	117.45	Inf	-Inf	109.16	3	Horizontal	91	1.74	-	33.70	5.32	30.73
PK	5.3762G	61.90	74.00	-12.10	53.28	3	Horizontal	91	1.74	-	33.95	5.39	30.72
AV	5.3774G	50.21	54.00	-3.79	41.59	3	Horizontal	91	1.74	-	33.95	5.39	30.72

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

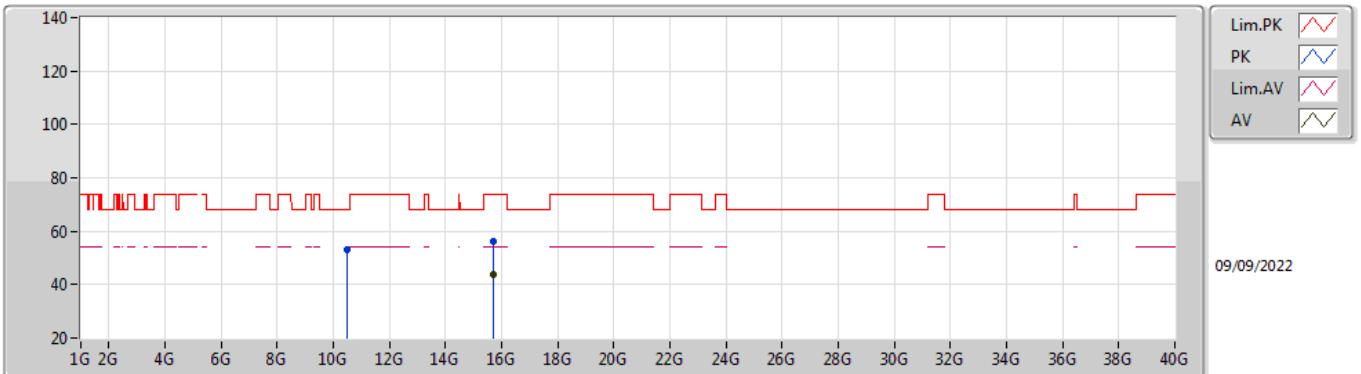


EUT X_2TX
Setting 17
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.4744G	52.95	68.20	-15.25	38.71	3	Vertical	245	2.30	-	38.60	7.49	31.85
PK	15.7116G	56.40	74.00	-17.60	40.47	3	Vertical	243	1.40	-	37.50	9.87	31.44
AV	15.714G	43.53	54.00	-10.47	27.60	3	Vertical	243	1.40	-	37.50	9.87	31.44

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TnomVnom

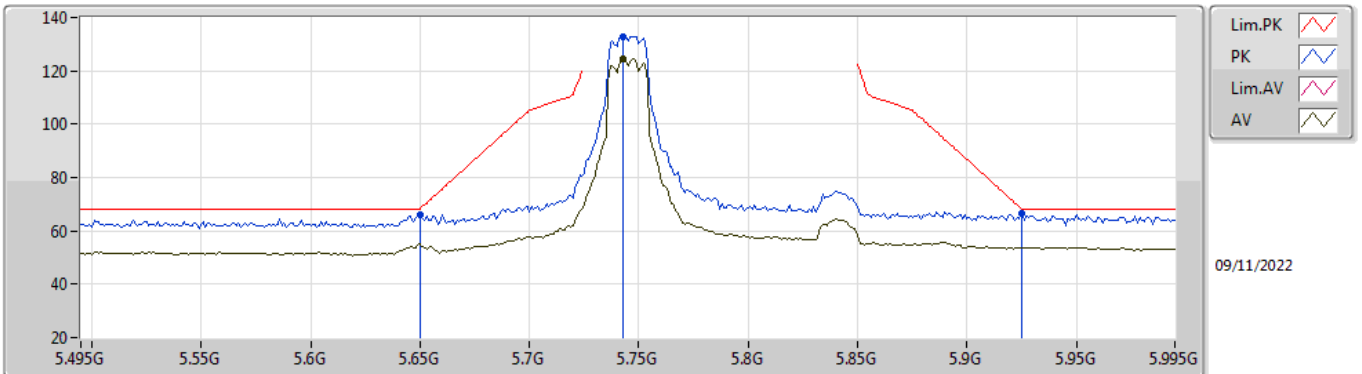


EUT X_2TX
Setting 17
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.47532G	52.91	68.20	-15.29	38.67	3	Horizontal	347	2.56	-	38.60	7.49	31.85
PK	15.72644G	56.29	74.00	-17.71	40.36	3	Horizontal	138	1.77	-	37.50	9.88	31.45
AV	15.71496G	43.55	54.00	-10.45	27.62	3	Horizontal	138	1.77	-	37.50	9.87	31.44

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

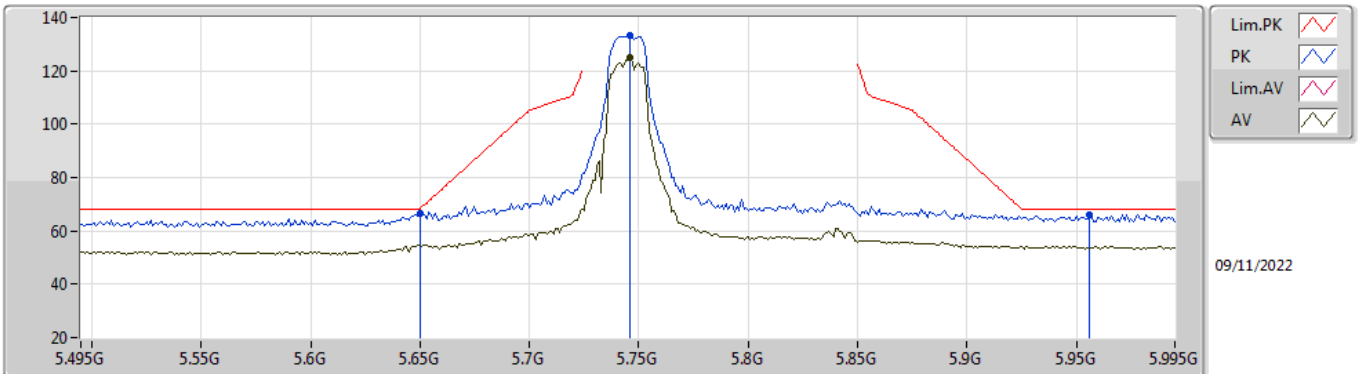


EUT X_2TX
Setting 21.5
03-C-G-4-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.65G	66.05	68.20	-2.15	59.32	3	Vertical	358	1.66	-	34.50	7.12	34.89	
PK	5.743G	132.91	Inf	-Inf	126.44	3	Vertical	358	1.66	-	34.21	7.17	34.91	
AV	5.743G	124.49	Inf	-Inf	118.02	3	Vertical	358	1.66	-	34.21	7.17	34.91	
PK	5.925G	66.80	68.20	-1.40	59.79	3	Vertical	358	1.66	-	34.70	7.26	34.95	

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

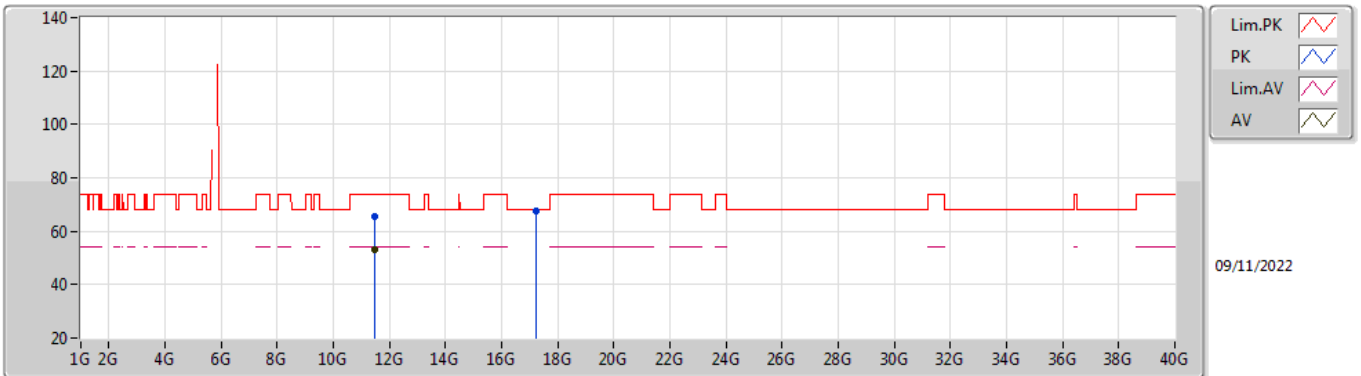


EUT X_2TX
Setting 21.5
03-C-G-4-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.65G	66.42	68.20	-1.78	59.69	3	Horizontal	357	1.77	-	34.50	7.12	34.89	
PK	5.746G	133.06	Inf	-Inf	126.59	3	Horizontal	357	1.77	-	34.21	7.17	34.91	
AV	5.746G	125.13	Inf	-Inf	118.66	3	Horizontal	357	1.77	-	34.21	7.17	34.91	
PK	5.956G	66.09	68.20	-2.11	58.97	3	Horizontal	357	1.77	-	34.80	7.28	34.96	

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

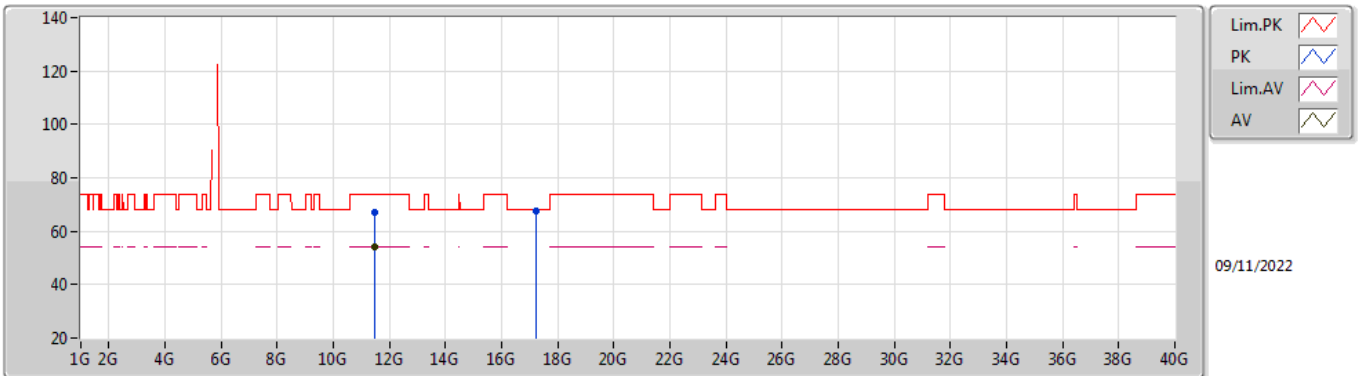


EUT X_2TX
Setting 21.5
03-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.48964G	65.71	74.00	-8.29	48.77	3	Vertical	337	2.33	-	38.98	12.82	34.86
AV	11.49024G	53.02	54.00	-0.98	36.08	3	Vertical	337	2.33	-	38.98	12.82	34.86
PK	17.22492G	67.68	68.20	-0.52	43.63	3	Vertical	52	1.52	-	40.75	17.43	34.13

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TnomVnom

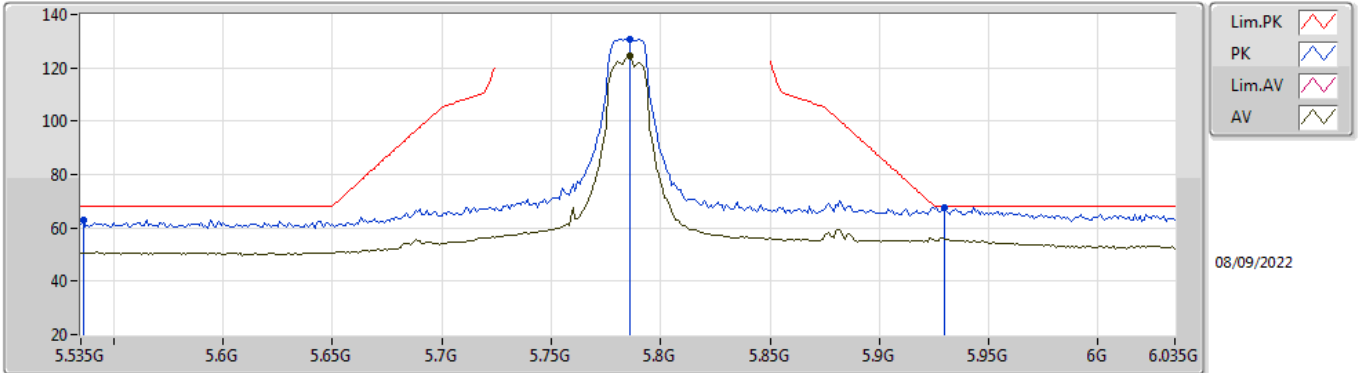


EUT X_2TX
Setting 21.5
03-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.49318G	67.12	74.00	-6.88	50.17	3	Horizontal	18	2.04	-	38.99	12.82	34.86
AV	11.48832G	53.88	54.00	-0.12	36.94	3	Horizontal	18	2.04	-	38.98	12.82	34.86
PK	17.23644G	67.52	68.20	-0.68	43.40	3	Horizontal	72	1.00	-	40.82	17.44	34.14

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

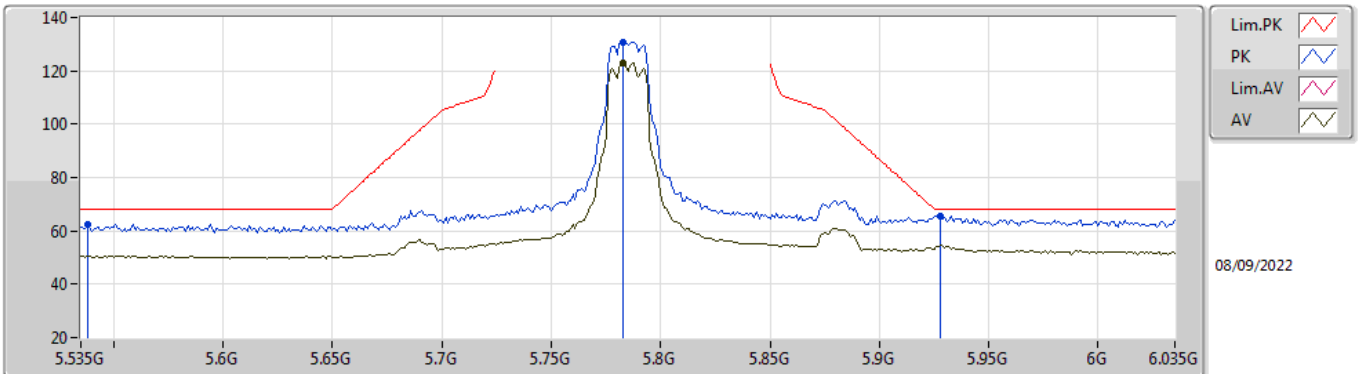


EUT X_2TX
Setting 21.5
02-F-G-4-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.536G	63.14	68.20	-5.06	54.35	3	Vertical	90	1.68	-	34.00	5.54	30.75	
PK	5.786G	130.69	Inf	-Inf	122.23	3	Vertical	90	1.68	-	33.80	5.60	30.94	
AV	5.786G	124.30	Inf	-Inf	115.84	3	Vertical	90	1.68	-	33.80	5.60	30.94	
PK	5.93G	67.61	68.20	-0.59	58.77	3	Vertical	90	1.68	-	34.16	5.73	31.05	

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

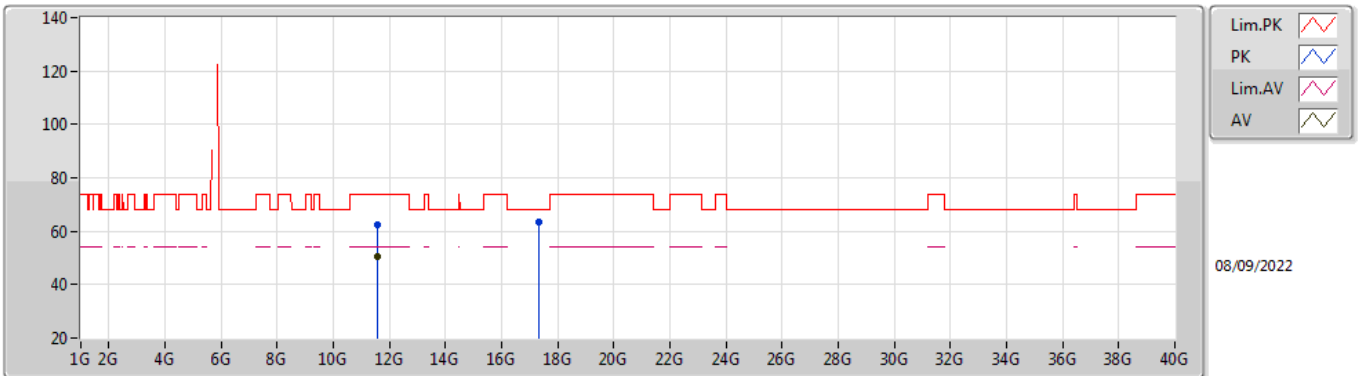


EUT X_2TX
Setting 21.5
02-F-G-4-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.538G	62.51	68.20	-5.69	53.72	3	Horizontal	92	1.73	-	34.00	5.54	30.75	
PK	5.783G	130.61	Inf	-Inf	122.15	3	Horizontal	92	1.73	-	33.80	5.60	30.94	
AV	5.783G	123.12	Inf	-Inf	114.66	3	Horizontal	92	1.73	-	33.80	5.60	30.94	
PK	5.928G	65.70	68.20	-2.50	56.86	3	Horizontal	92	1.73	-	34.16	5.73	31.05	

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

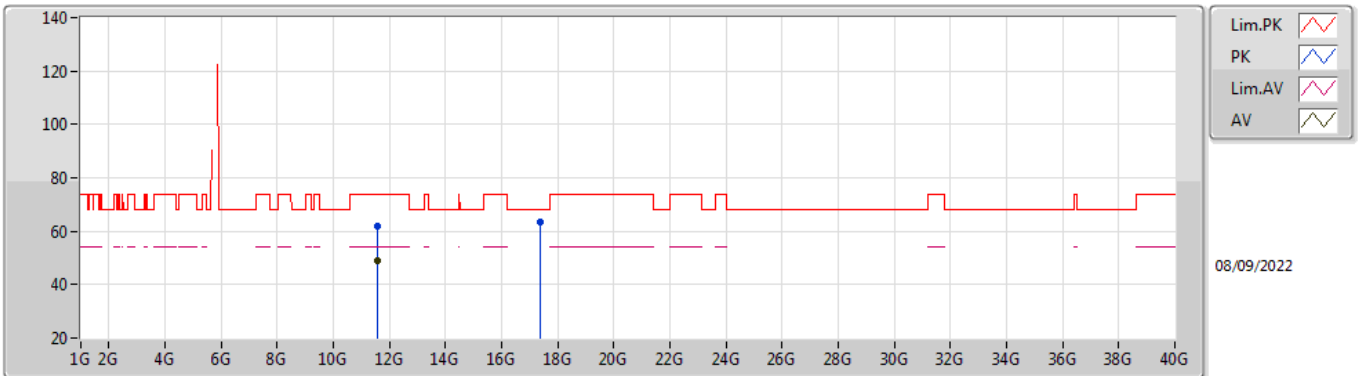


EUT X_2TX
Setting 21.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.5748G	62.40	74.00	-11.60	47.41	3	Vertical	114	1.84	-	39.22	7.93	32.16	
AV	11.56994G	50.27	54.00	-3.73	35.29	3	Vertical	114	1.84	-	39.21	7.93	32.16	
PK	17.35086G	63.28	68.20	-4.92	40.01	3	Vertical	270	1.74	-	42.81	10.68	30.22	

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

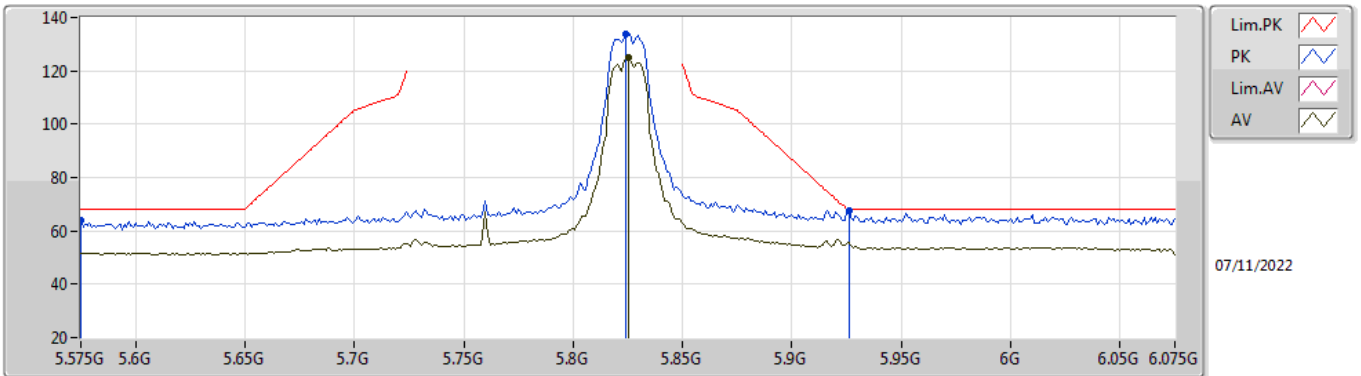


EUT X_2TX
Setting 21.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.57072G	61.86	74.00	-12.14	46.88	3	Horizontal	98	2.74	-	39.21	7.93	32.16	
AV	11.57012G	48.81	54.00	-5.19	33.83	3	Horizontal	98	2.74	-	39.21	7.93	32.16	
PK	17.36424G	63.45	68.20	-4.75	40.10	3	Horizontal	155	1.88	-	42.89	10.68	30.22	

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

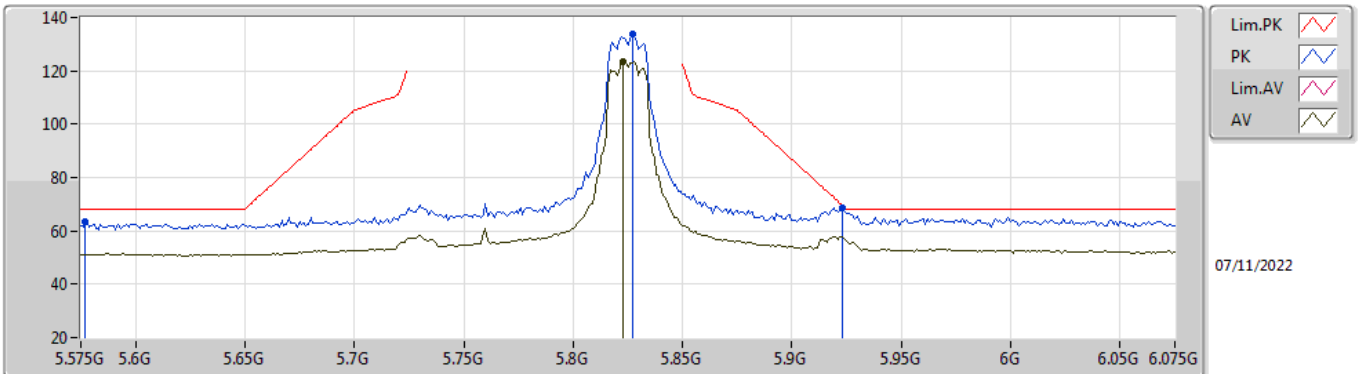


EUT_X_2TX
Setting 20
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.575G	63.92	68.20	-4.28	54.68	3	Vertical	-0	1.92	-	33.95	6.07	30.78	
PK	5.824G	133.80	Inf	-Inf	124.85	3	Vertical	-0	1.92	-	33.80	6.12	30.97	
AV	5.825G	125.03	Inf	-Inf	116.08	3	Vertical	-0	1.92	-	33.80	6.12	30.97	
PK	5.926G	67.74	68.20	-0.46	58.41	3	Vertical	-0	1.92	-	34.15	6.22	31.04	

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

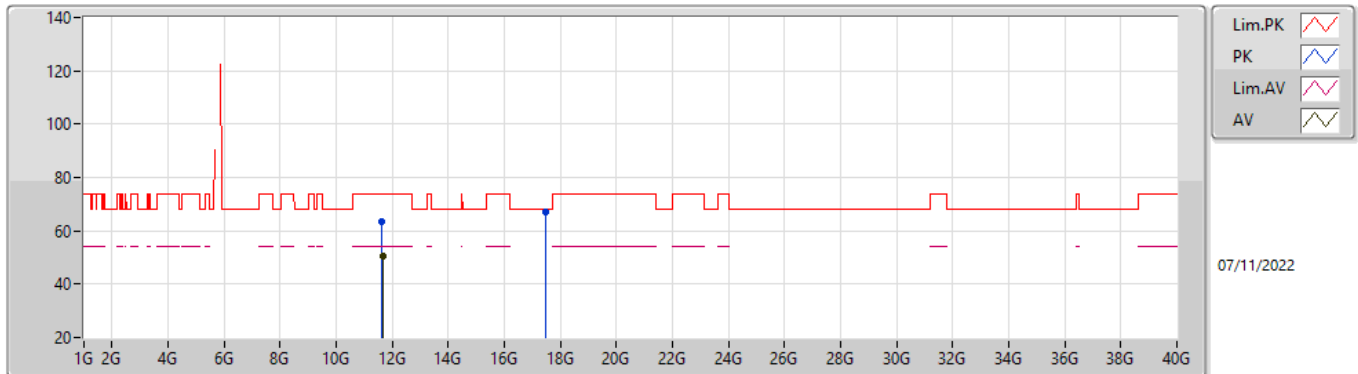


EUT X_2TX
Setting 20
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.577G	63.39	68.20	-4.81	54.14	3	Horizontal	-0	1.94	-	33.95	6.08	30.78	
PK	5.827G	133.70	Inf	-Inf	124.75	3	Horizontal	-0	1.94	-	33.80	6.12	30.97	
AV	5.823G	123.58	Inf	-Inf	114.64	3	Horizontal	-0	1.94	-	33.80	6.11	30.97	
PK	5.923G	68.59	69.68	-1.09	59.26	3	Horizontal	-0	1.94	-	34.15	6.22	31.04	

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5825MHz_TnomVnom

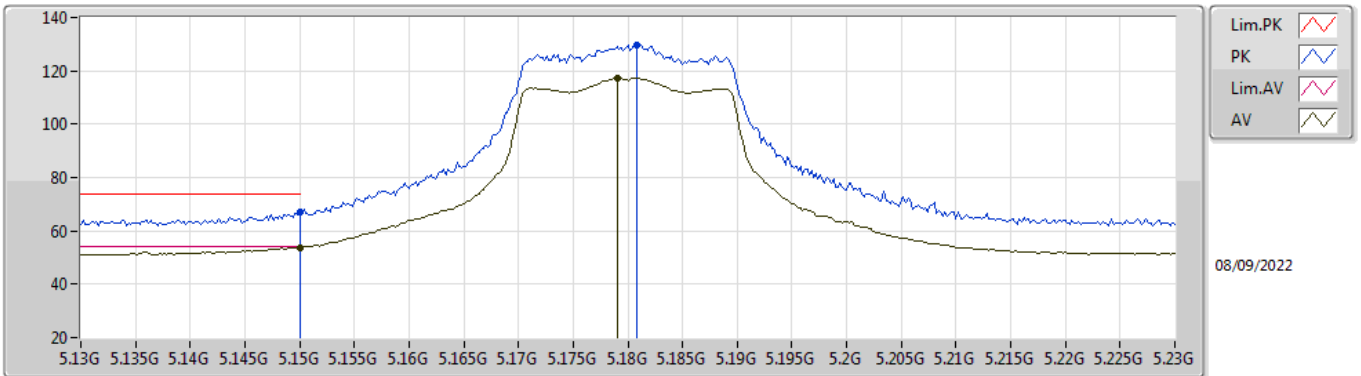


EUT X_2TX
Setting 20
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.64418G	63.58	74.00	-10.42	47.51	3	Vertical	26	2.08	-	39.39	8.88	32.20
AV	11.6488G	50.57	54.00	-3.43	34.50	3	Vertical	26	2.08	-	39.40	8.88	32.21
PK	17.48448G	67.02	68.20	-1.18	42.43	3	Vertical	-0	1.80	-	43.78	11.02	30.21

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

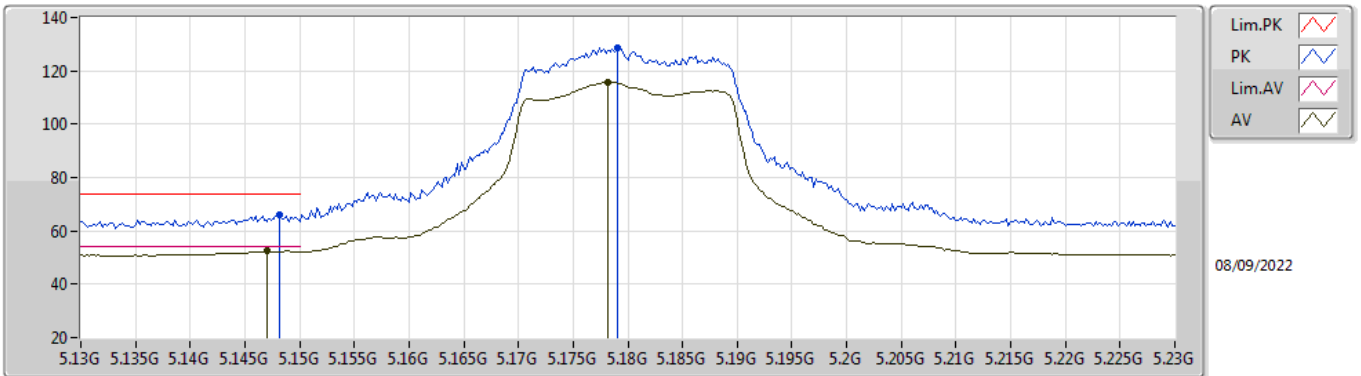


EUT X_2TX
Setting 16.5
02-F-G-4-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.15G	67.05	74.00	-6.95	58.93	3	Vertical	91	1.66	-	33.60	5.25	30.73	
AV	5.15G	53.67	54.00	-0.33	45.55	3	Vertical	91	1.66	-	33.60	5.25	30.73	
PK	5.1808G	129.88	Inf	-Inf	121.67	3	Vertical	91	1.66	-	33.66	5.28	30.73	
AV	5.179G	117.22	Inf	-Inf	109.01	3	Vertical	91	1.66	-	33.66	5.28	30.73	

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

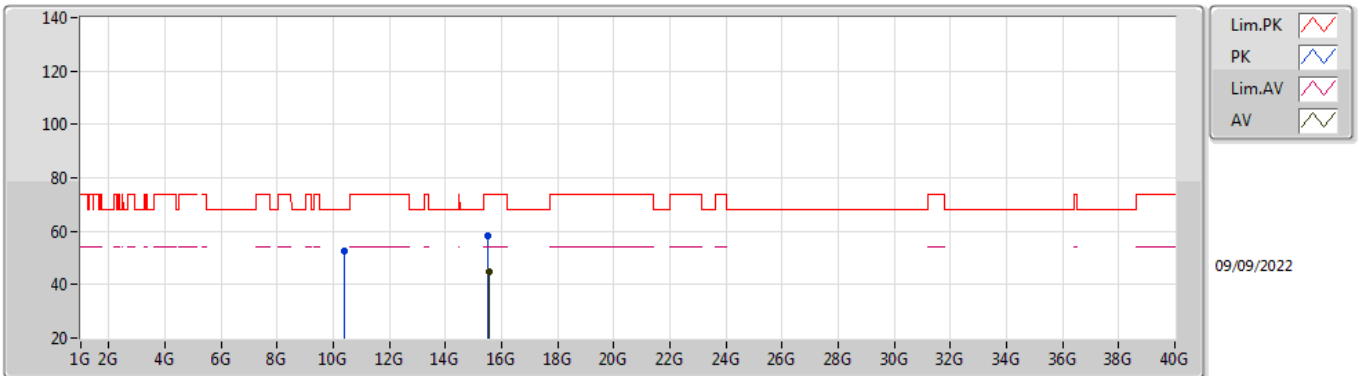


EUT X_2TX
Setting 16.5
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1482G	65.85	74.00	-8.15	57.73	3	Horizontal	90	1.78	-	33.60	5.25	30.73	
AV	5.147G	52.48	54.00	-1.52	44.37	3	Horizontal	90	1.78	-	33.59	5.25	30.73	
PK	5.179G	128.87	Inf	-Inf	120.66	3	Horizontal	90	1.78	-	33.66	5.28	30.73	
AV	5.1782G	115.66	Inf	-Inf	107.45	3	Horizontal	90	1.78	-	33.66	5.28	30.73	

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

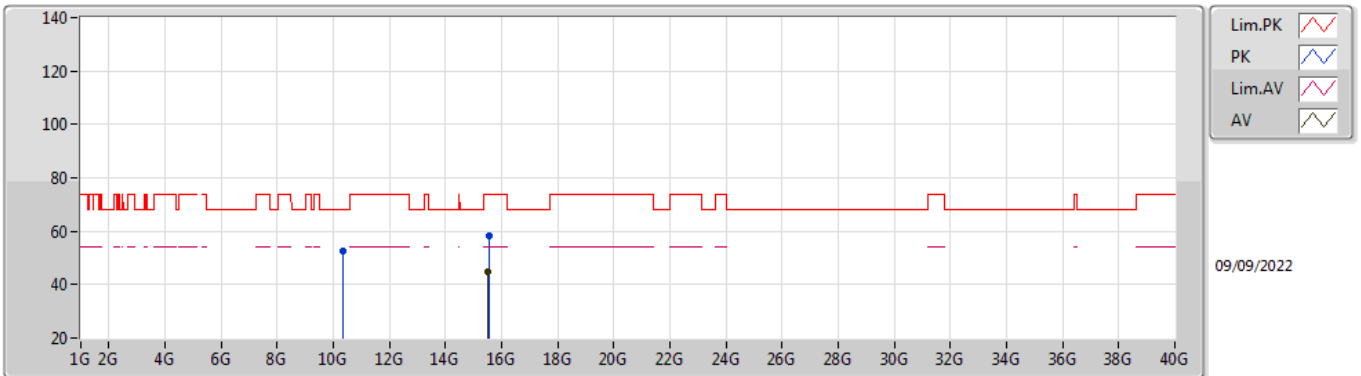


EUT X_2TX
Setting 16.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	10.36904G	52.80	68.20	-15.40	38.55	3	Vertical	324	2.95	-	38.63	7.45	31.83	
PK	15.53036G	58.31	74.00	-15.69	41.95	3	Vertical	167	2.17	-	37.92	9.79	31.35	
AV	15.5354G	44.66	54.00	-9.34	28.33	3	Vertical	167	2.17	-	37.89	9.79	31.35	

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TnomVnom

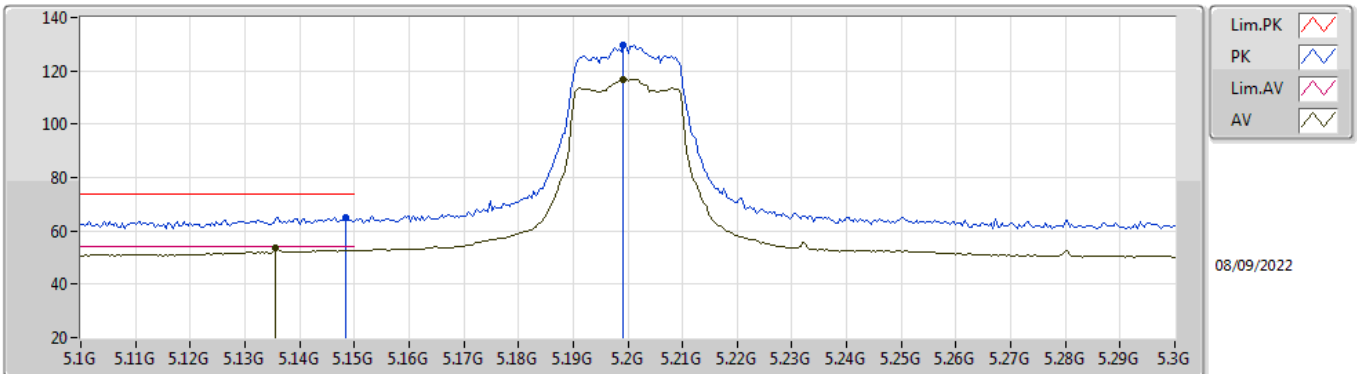


EUT X_2TX
Setting 16.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.36312G	52.71	68.20	-15.49	38.45	3	Horizontal	305	2.83	-	38.64	7.45	31.83
PK	15.54856G	58.06	74.00	-15.94	41.81	3	Horizontal	292	1.19	-	37.81	9.80	31.36
AV	15.53012G	44.62	54.00	-9.38	28.26	3	Horizontal	292	1.19	-	37.92	9.79	31.35

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

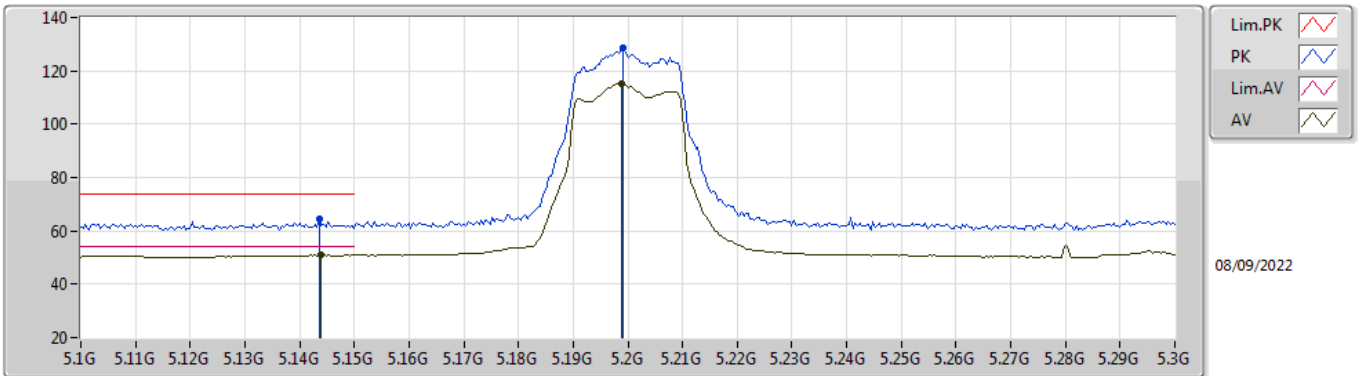


EUT X_2TX
Setting 16.5
02-F-G-4-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1484G	65.05	74.00	-8.95	56.93	3	Vertical	91	1.71	-	33.60	5.25	30.73	
AV	5.1356G	53.77	54.00	-0.23	45.69	3	Vertical	91	1.71	-	33.57	5.24	30.73	
PK	5.1992G	129.69	Inf	-Inf	121.42	3	Vertical	91	1.71	-	33.70	5.30	30.73	
AV	5.1992G	116.98	Inf	-Inf	108.71	3	Vertical	91	1.71	-	33.70	5.30	30.73	

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

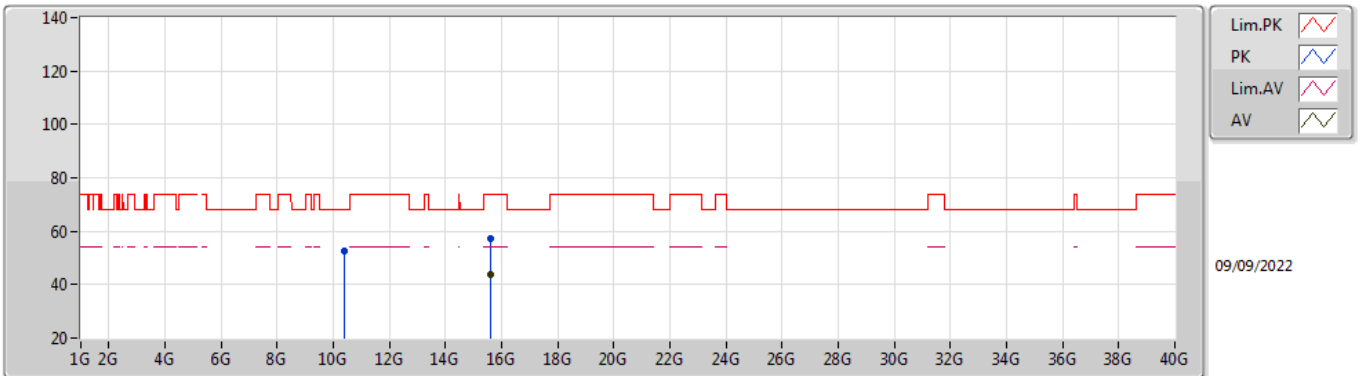


EUT X_2TX
Setting 16.5
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1436G	64.34	74.00	-9.66	56.24	3	Horizontal	89	1.74	-	33.59	5.24	30.73	
AV	5.144G	50.95	54.00	-3.05	42.85	3	Horizontal	89	1.74	-	33.59	5.24	30.73	
PK	5.1992G	128.47	Inf	-Inf	120.20	3	Horizontal	89	1.74	-	33.70	5.30	30.73	
AV	5.1988G	115.20	Inf	-Inf	106.93	3	Horizontal	89	1.74	-	33.70	5.30	30.73	

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

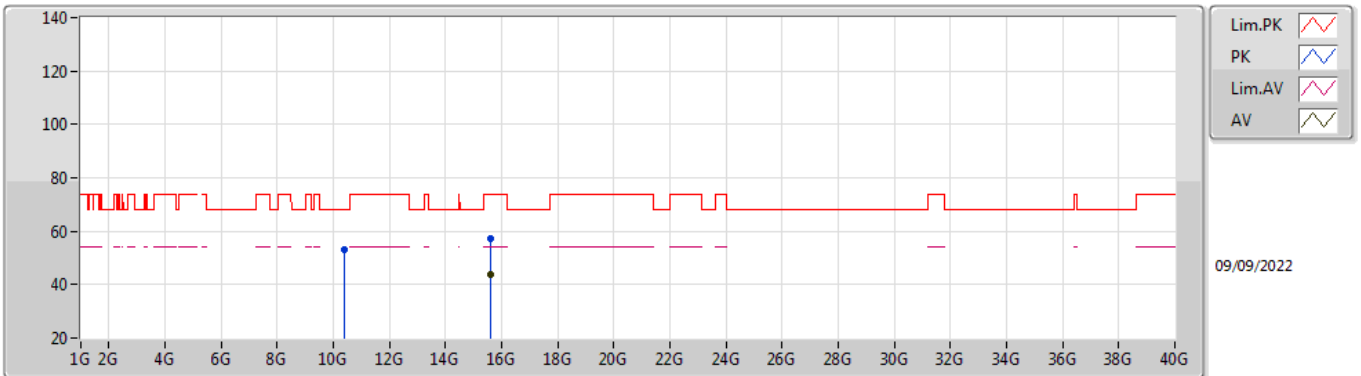


EUT_X_2TX
Setting 16.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	10.4038G	52.64	68.20	-15.56	38.41	3	Vertical	14	2.15	-	38.60	7.46	31.83	
PK	15.59384G	57.27	74.00	-16.73	41.29	3	Vertical	10	2.15	-	37.54	9.82	31.38	
AV	15.59072G	43.99	54.00	-10.01	27.99	3	Vertical	10	2.15	-	37.56	9.82	31.38	

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TnomVnom

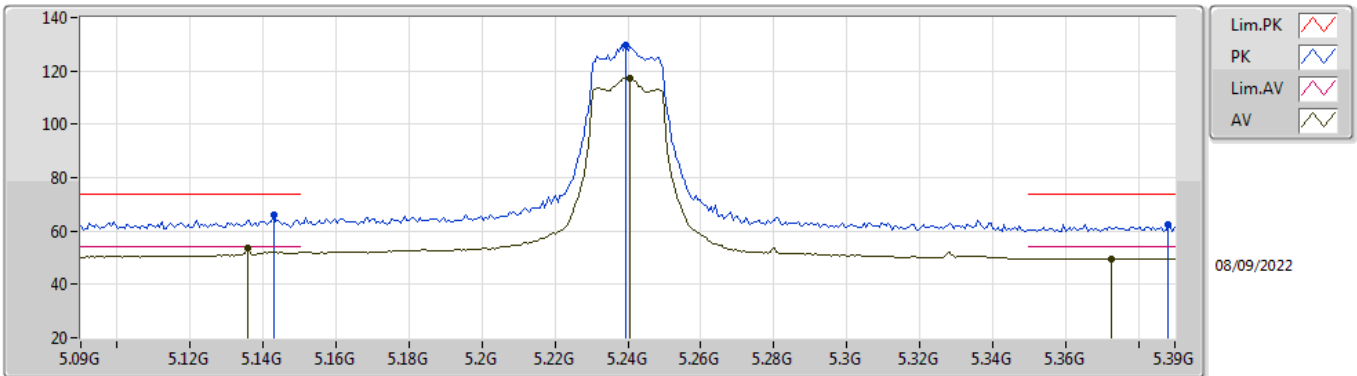


EUT X_2TX
Setting 16.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.40188G	53.25	68.20	-14.95	39.02	3	Horizontal	316	1.84	-	38.60	7.46	31.83
PK	15.59636G	57.30	74.00	-16.70	41.34	3	Horizontal	12	1.56	-	37.52	9.82	31.38
AV	15.59352G	43.83	54.00	-10.17	27.85	3	Horizontal	12	1.56	-	37.54	9.82	31.38

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

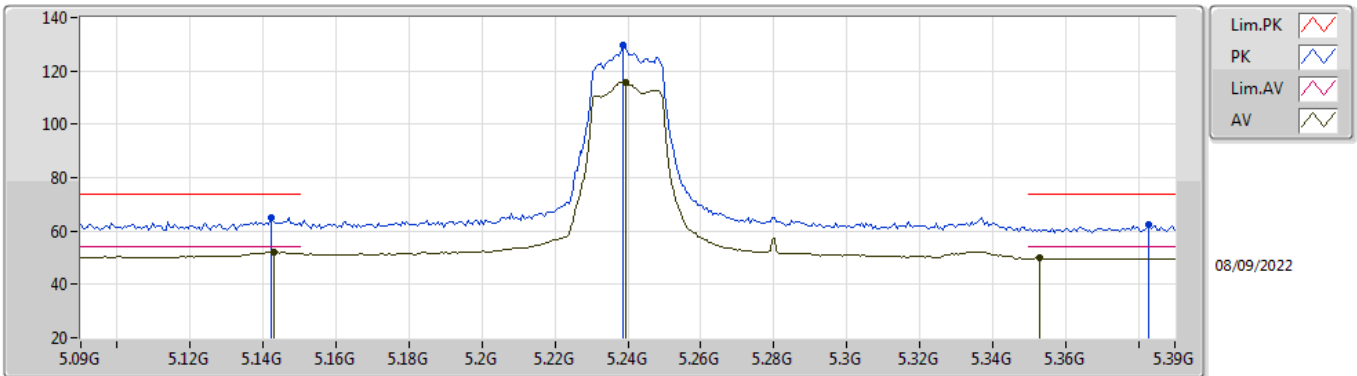


EUT X_2TX
Setting 16.5
02-F-G-4-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1428G	66.03	74.00	-7.97	57.93	3	Vertical	90	1.70	-	33.59	5.24	30.73
AV	5.1356G	53.68	54.00	-0.32	45.60	3	Vertical	90	1.70	-	33.57	5.24	30.73
PK	5.2394G	129.73	Inf	-Inf	121.44	3	Vertical	90	1.70	-	33.70	5.32	30.73
AV	5.2406G	117.22	Inf	-Inf	108.93	3	Vertical	90	1.70	-	33.70	5.32	30.73
PK	5.3882G	62.54	74.00	-11.46	53.89	3	Vertical	90	1.70	-	33.98	5.39	30.72
AV	5.3726G	49.71	54.00	-4.29	41.09	3	Vertical	90	1.70	-	33.95	5.39	30.72

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

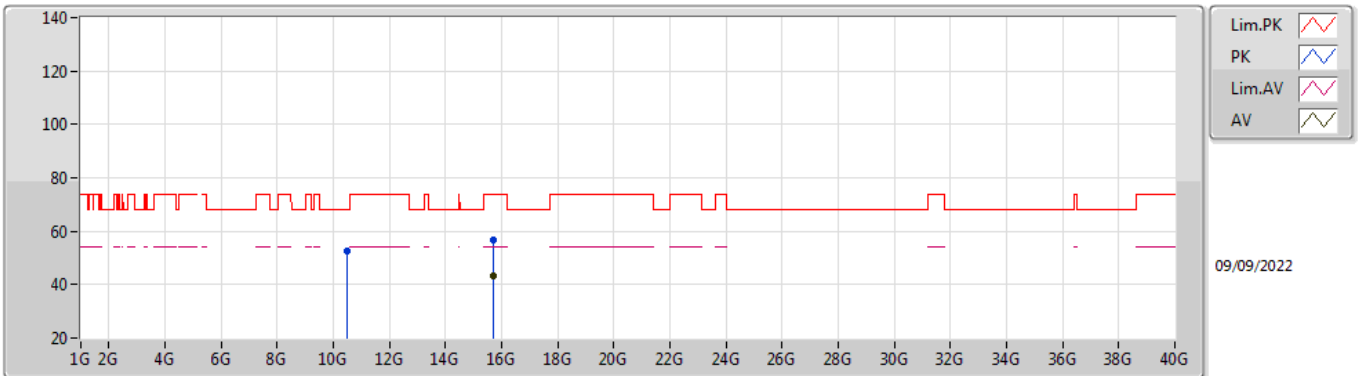


EUT_X_2TX
Setting 16.5
02-F-G-4-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1422G	64.89	74.00	-9.11	56.80	3	Horizontal	90	1.73	-	33.58	5.24	30.73
AV	5.1428G	52.10	54.00	-1.90	44.00	3	Horizontal	90	1.73	-	33.59	5.24	30.73
PK	5.2388G	129.42	Inf	-Inf	121.13	3	Horizontal	90	1.73	-	33.70	5.32	30.73
AV	5.2394G	115.92	Inf	-Inf	107.63	3	Horizontal	90	1.73	-	33.70	5.32	30.73
PK	5.3828G	62.17	74.00	-11.83	53.53	3	Horizontal	90	1.73	-	33.97	5.39	30.72
AV	5.3528G	49.79	54.00	-4.21	41.22	3	Horizontal	90	1.73	-	33.91	5.38	30.72

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

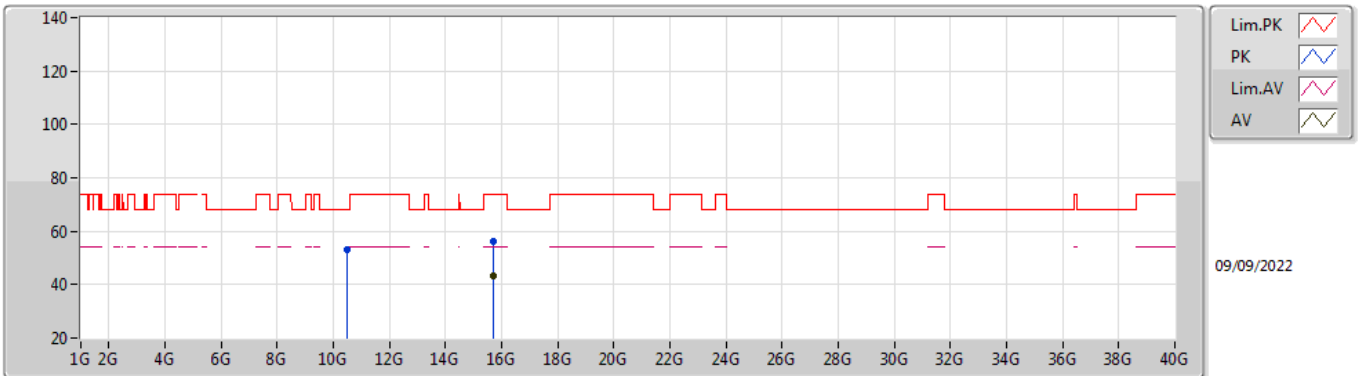


EUT X_2TX
Setting 16.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.48348G	52.40	68.20	-15.80	38.16	3	Vertical	147	1.09	-	38.60	7.49	31.85
PK	15.7118G	56.82	74.00	-17.18	40.89	3	Vertical	128	1.66	-	37.50	9.87	31.44
AV	15.71112G	43.25	54.00	-10.75	27.32	3	Vertical	128	1.66	-	37.50	9.87	31.44

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TnomVnom

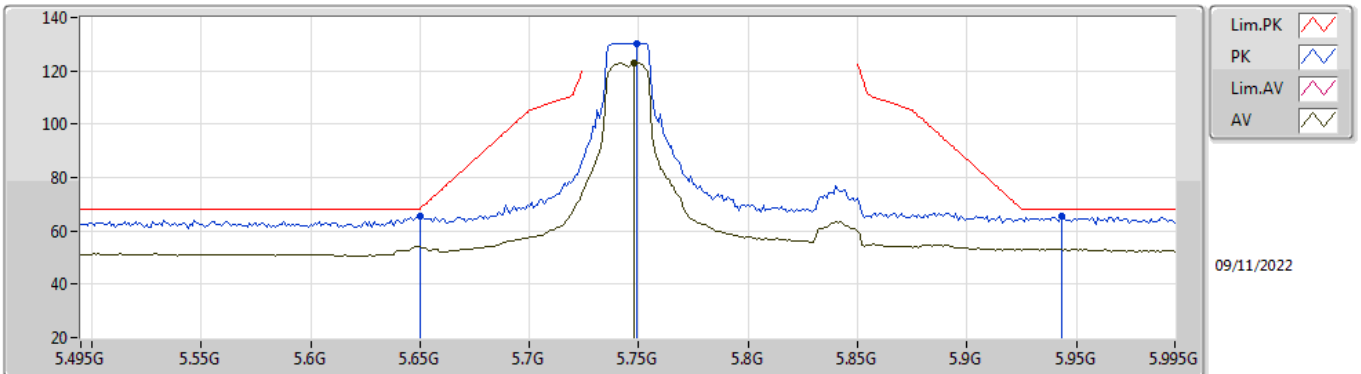


EUT X_2TX
Setting 16.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.48848G	53.02	68.20	-15.18	38.77	3	Horizontal	296	2.38	-	38.60	7.50	31.85
PK	15.72352G	56.46	74.00	-17.54	40.53	3	Horizontal	329	2.67	-	37.50	9.88	31.45
AV	15.71076G	43.24	54.00	-10.76	27.31	3	Horizontal	329	2.67	-	37.50	9.87	31.44

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

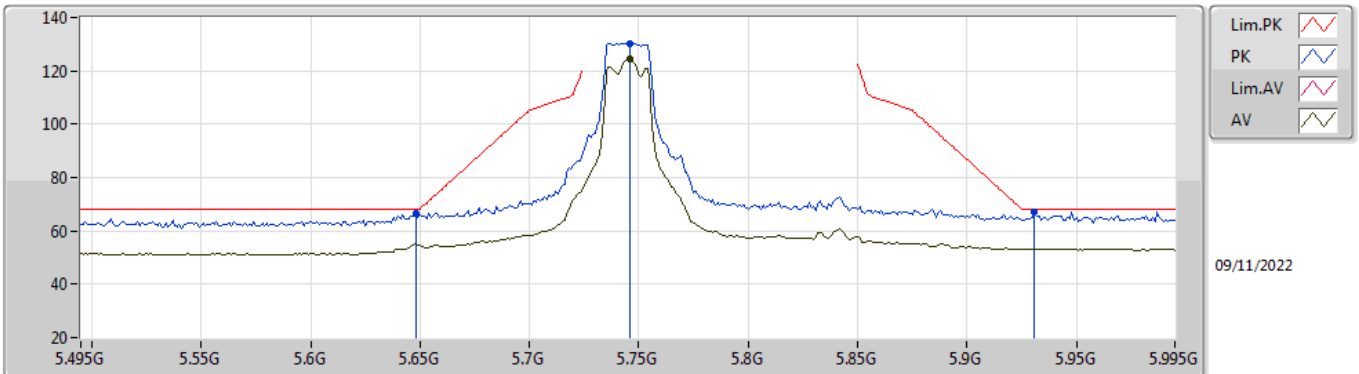


EUT_X_2TX
Setting 22
03-C-G-4-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.65G	65.40	68.20	-2.80	58.67	3	Vertical	357	1.69	-	34.50	7.12	34.89	
PK	5.749G	130.14	Inf	-Inf	123.68	3	Vertical	357	1.69	-	34.20	7.17	34.91	
AV	5.748G	122.92	Inf	-Inf	116.46	3	Vertical	357	1.69	-	34.20	7.17	34.91	
PK	5.943G	65.53	68.20	-2.67	58.45	3	Vertical	357	1.69	-	34.77	7.27	34.96	

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

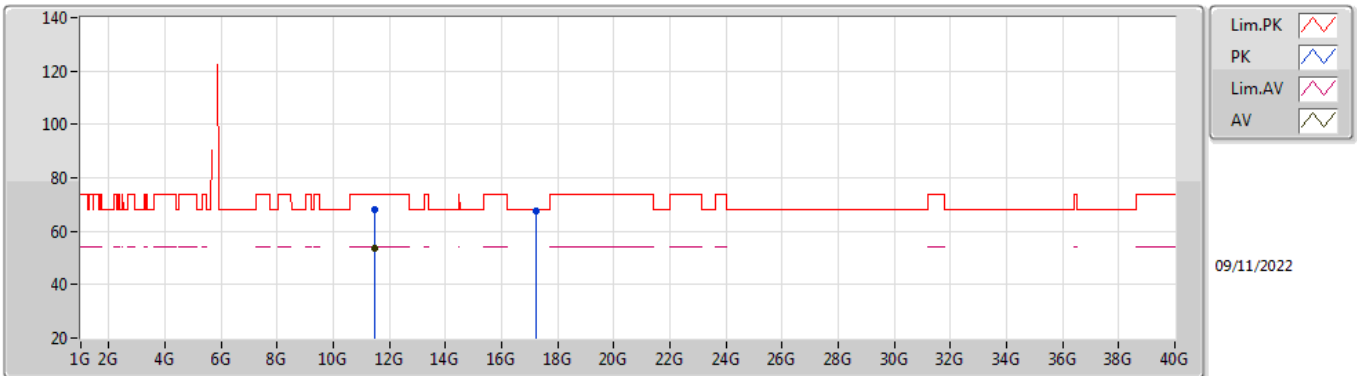


EUT_X_2TX
Setting 22
03-C-G-4-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.648G	66.75	68.20	-1.45	60.02	3	Horizontal	358	1.76	-	34.50	7.12	34.89	
PK	5.746G	130.15	Inf	-Inf	123.68	3	Horizontal	358	1.76	-	34.21	7.17	34.91	
AV	5.746G	124.52	Inf	-Inf	118.05	3	Horizontal	358	1.76	-	34.21	7.17	34.91	
PK	5.931G	67.27	68.20	-0.93	60.23	3	Horizontal	358	1.76	-	34.72	7.27	34.95	

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

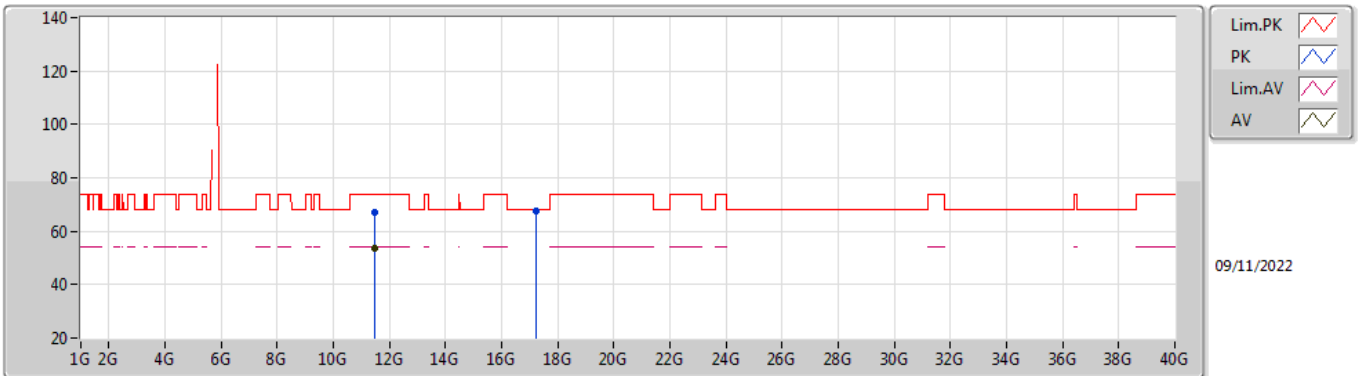


EUT X_2TX
Setting 22
03-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.49048G	68.32	74.00	-5.68	51.38	3	Vertical	337	2.33	-	38.98	12.82	34.86
AV	11.48976G	53.65	54.00	-0.35	36.71	3	Vertical	337	2.33	-	38.98	12.82	34.86
PK	17.2269G	67.37	68.20	-0.83	43.30	3	Vertical	234	2.26	-	40.76	17.44	34.13

802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TnomVnom

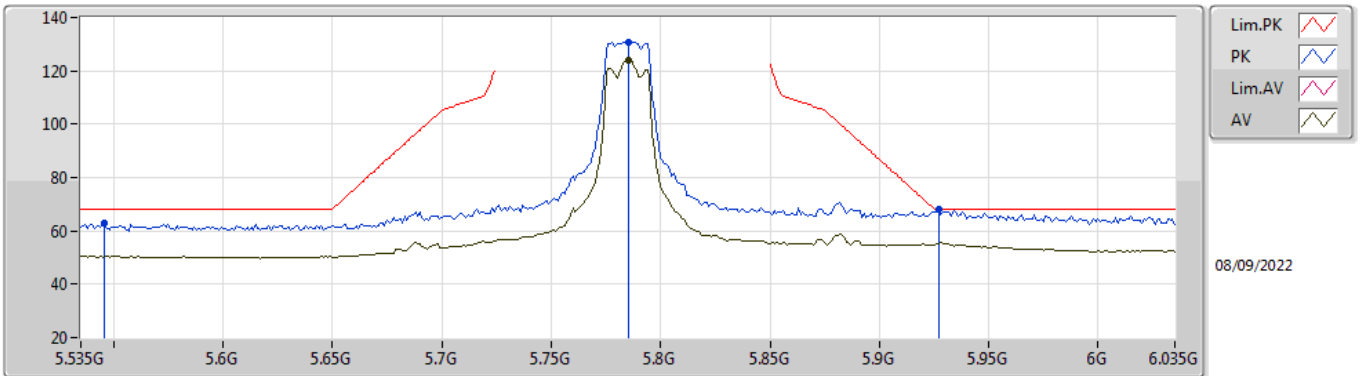


EUT X_2TX
Setting 22
03-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.48694G	66.97	74.00	-7.03	50.04	3	Horizontal	19	1.99	-	38.97	12.82	34.86	
AV	11.48766G	53.86	54.00	-0.14	36.92	3	Horizontal	19	1.99	-	38.98	12.82	34.86	
PK	17.23842G	67.52	68.20	-0.68	43.39	3	Horizontal	67	1.16	-	40.83	17.44	34.14	

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

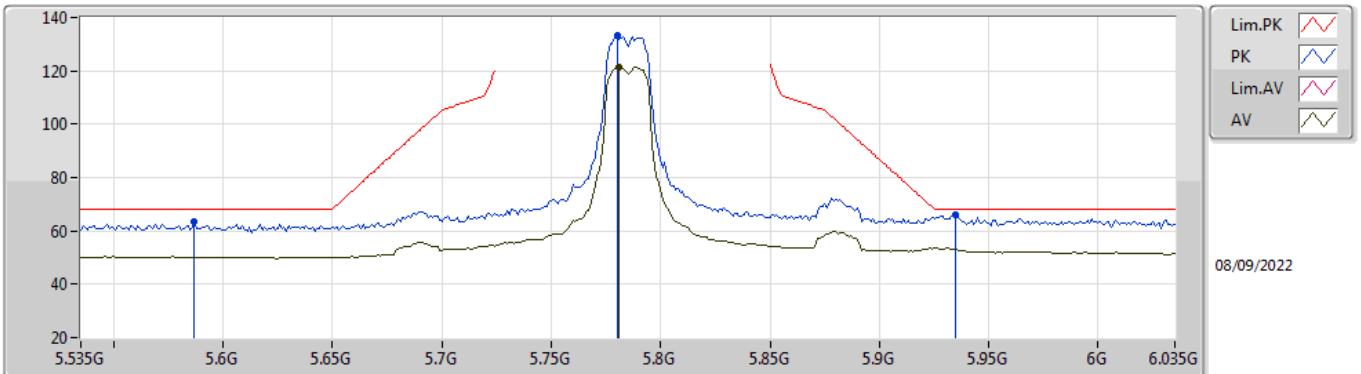


EUT X_2TX
Setting 22
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.546G	63.14	68.20	-5.06	54.34	3	Vertical	90	1.77	-	34.00	5.55	30.75	
PK	5.785G	130.62	Inf	-Inf	122.16	3	Vertical	90	1.77	-	33.80	5.60	30.94	
AV	5.785G	124.06	Inf	-Inf	115.60	3	Vertical	90	1.77	-	33.80	5.60	30.94	
PK	5.927G	67.89	68.20	-0.31	59.05	3	Vertical	90	1.77	-	34.15	5.73	31.04	

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

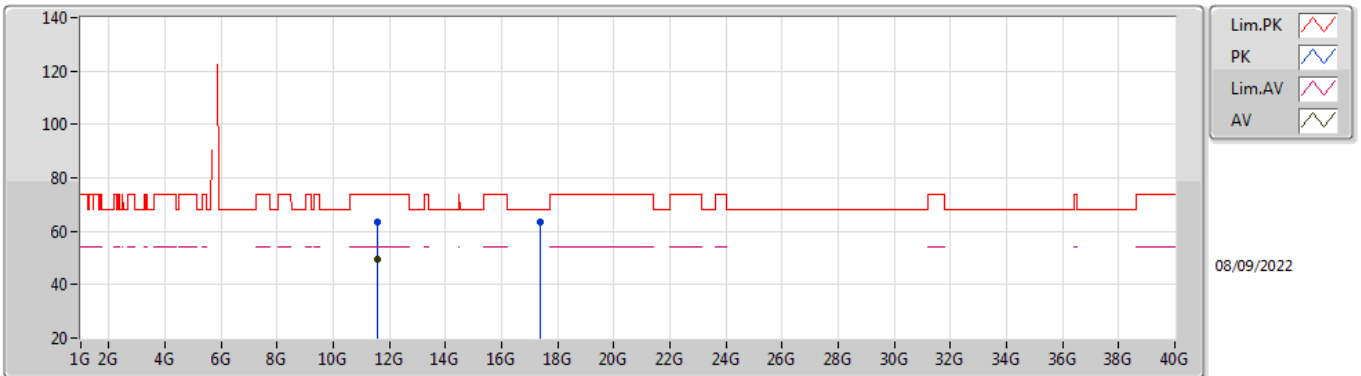


EUT X_2TX
Setting 22
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.587G	63.54	68.20	-4.66	54.81	3	Horizontal	92	1.71	-	33.93	5.59	30.79	
PK	5.78G	133.23	Inf	-Inf	124.76	3	Horizontal	92	1.71	-	33.80	5.60	30.93	
AV	5.781G	121.42	Inf	-Inf	112.95	3	Horizontal	92	1.71	-	33.80	5.60	30.93	
PK	5.935G	66.09	68.20	-2.11	57.23	3	Horizontal	92	1.71	-	34.17	5.74	31.05	

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

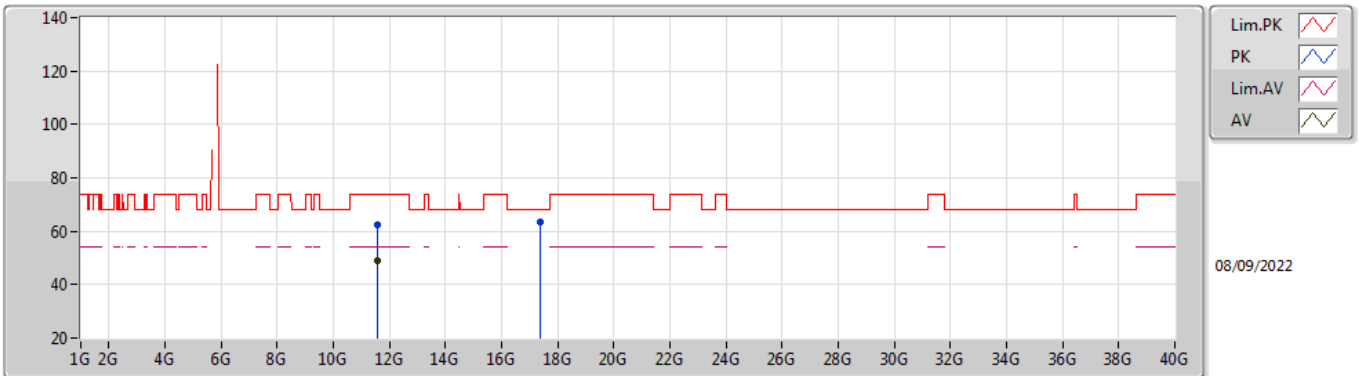


EUT X_2TX
Setting 22
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5705G	63.50	74.00	-10.50	48.52	3	Vertical	115	1.80	-	39.21	7.93	32.16
AV	11.5694G	49.48	54.00	-4.52	34.50	3	Vertical	115	1.80	-	39.21	7.93	32.16
PK	17.3775G	63.44	68.20	-4.76	40.01	3	Vertical	109	3.00	-	42.96	10.69	30.22

802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TnomVnom

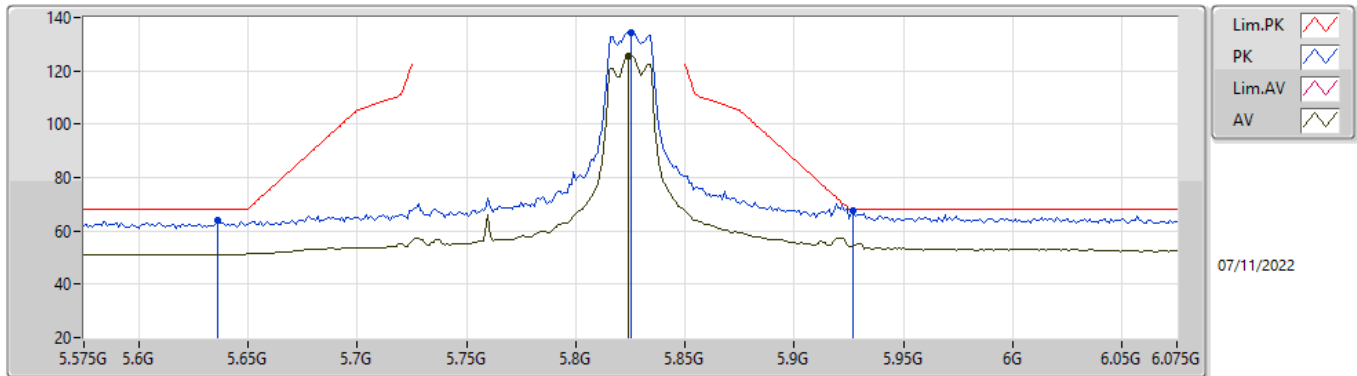


EUT X_2TX
Setting 22
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.5701G	62.34	74.00	-11.66	47.36	3	Horizontal	99	1.92	-	39.21	7.93	32.16	
AV	11.5699G	48.73	54.00	-5.27	33.75	3	Horizontal	99	1.92	-	39.21	7.93	32.16	
PK	17.3615G	63.66	68.20	-4.54	40.33	3	Horizontal	336	2.13	-	42.87	10.68	30.22	

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

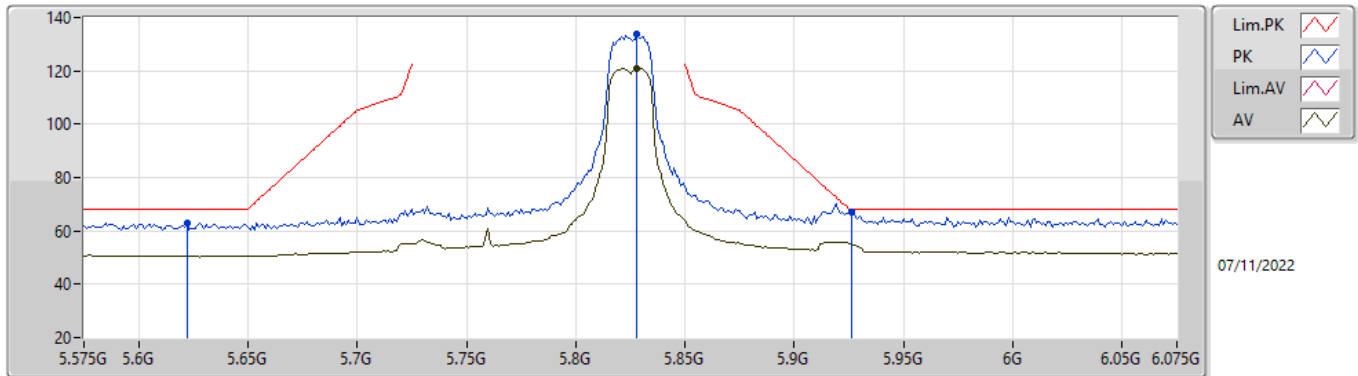


EUT X_2TX
Setting 22
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.636G	63.96	68.20	-4.24	54.85	3	Vertical	1	1.92	-	33.83	6.10	30.82
PK	5.825G	134.19	Inf	-Inf	125.24	3	Vertical	1	1.92	-	33.80	6.12	30.97
AV	5.824G	125.54	Inf	-Inf	116.59	3	Vertical	1	1.92	-	33.80	6.12	30.97
PK	5.927G	67.83	68.20	-0.37	58.50	3	Vertical	1	1.92	-	34.15	6.22	31.04

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

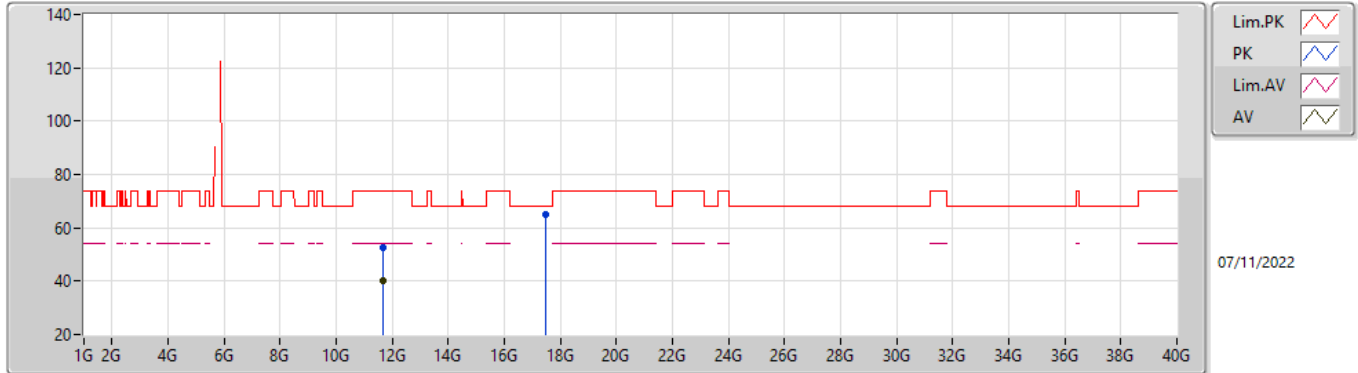


EUT X_2TX
Setting 22
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.622G	63.17	68.20	-5.03	54.02	3	Horizontal	3	1.94	-	33.86	6.10	30.81
PK	5.828G	133.88	Inf	-Inf	124.93	3	Horizontal	3	1.94	-	33.80	6.12	30.97
AV	5.828G	121.06	Inf	-Inf	112.11	3	Horizontal	3	1.94	-	33.80	6.12	30.97
PK	5.926G	67.28	68.20	-0.92	57.95	3	Horizontal	3	1.94	-	34.15	6.22	31.04

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

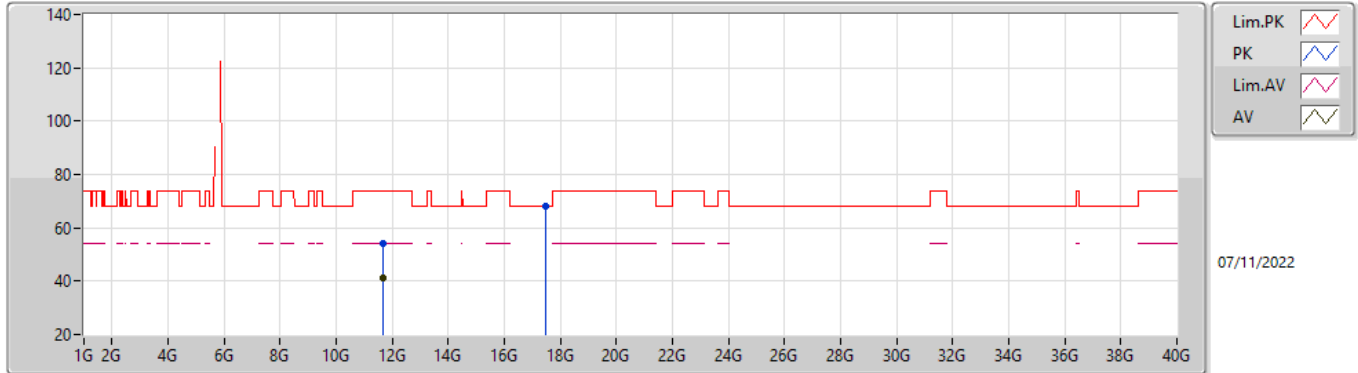


EUT X_2TX
Setting 22
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6527G	52.74	74.00	-21.26	36.66	3	Vertical	175	2.16	-	39.41	8.88	32.21
AV	11.6582G	40.05	54.00	-13.95	23.96	3	Vertical	175	2.16	-	39.42	8.88	32.21
PK	17.4962G	64.81	68.20	-3.39	40.13	3	Vertical	5	1.64	-	43.87	11.02	30.21

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TnomVnom

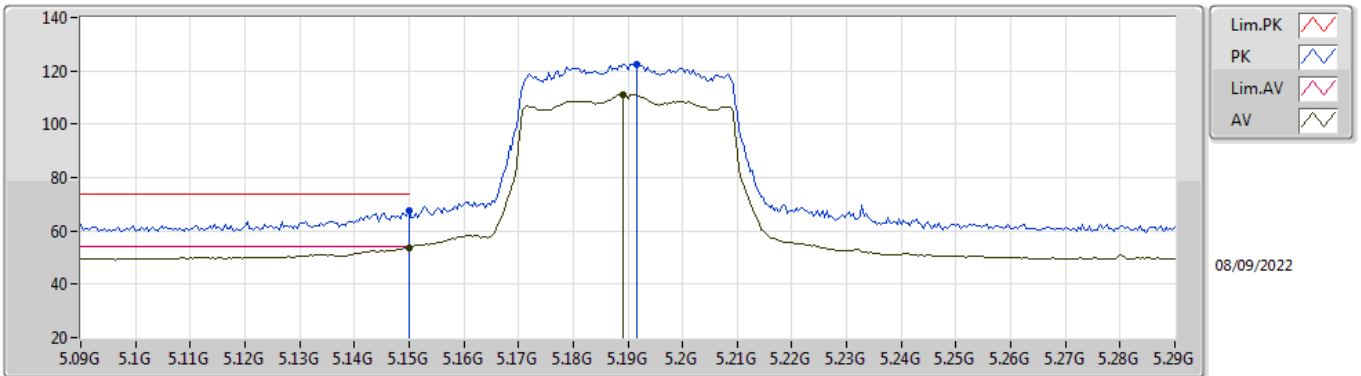


EUT X_2TX
Setting 22
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6721G	54.28	74.00	-19.72	38.17	3	Horizontal	333	2.24	-	39.44	8.89	32.22
AV	11.6651G	40.98	54.00	-13.02	24.89	3	Horizontal	333	2.24	-	39.43	8.88	32.22
PK	17.4896G	68.02	68.20	-0.18	43.39	3	Horizontal	232	1.28	-	43.82	11.02	30.21

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

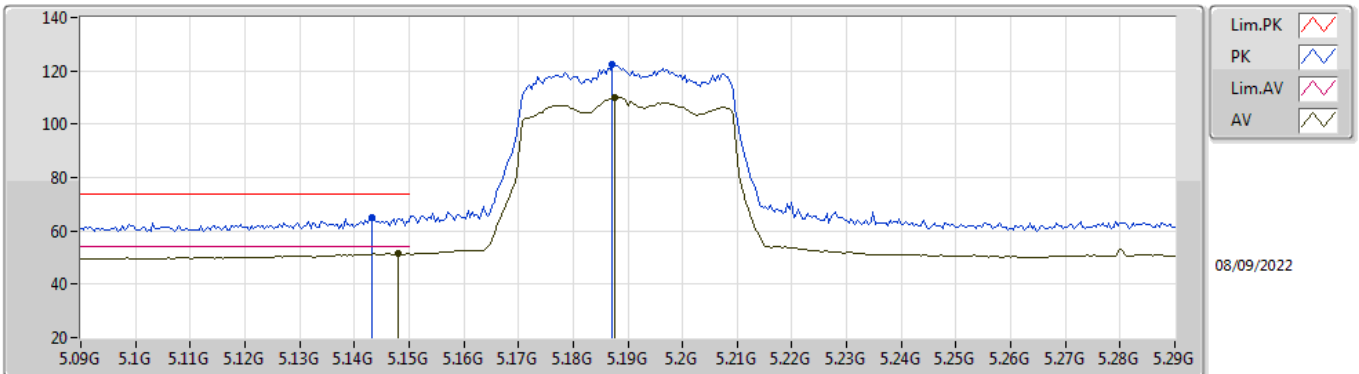


EUT X_2TX
Setting 13
02-F-G-4-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	5.15G	67.51	74.00	-6.49	59.39	3	Vertical	91	1.68	-	33.60	5.25	30.73	
AV	5.15G	53.76	54.00	-0.24	45.64	3	Vertical	91	1.68	-	33.60	5.25	30.73	
PK	5.1916G	122.59	Inf	-Inf	114.35	3	Vertical	91	1.68	-	33.68	5.29	30.73	
AV	5.1892G	111.22	Inf	-Inf	102.98	3	Vertical	91	1.68	-	33.68	5.29	30.73	

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

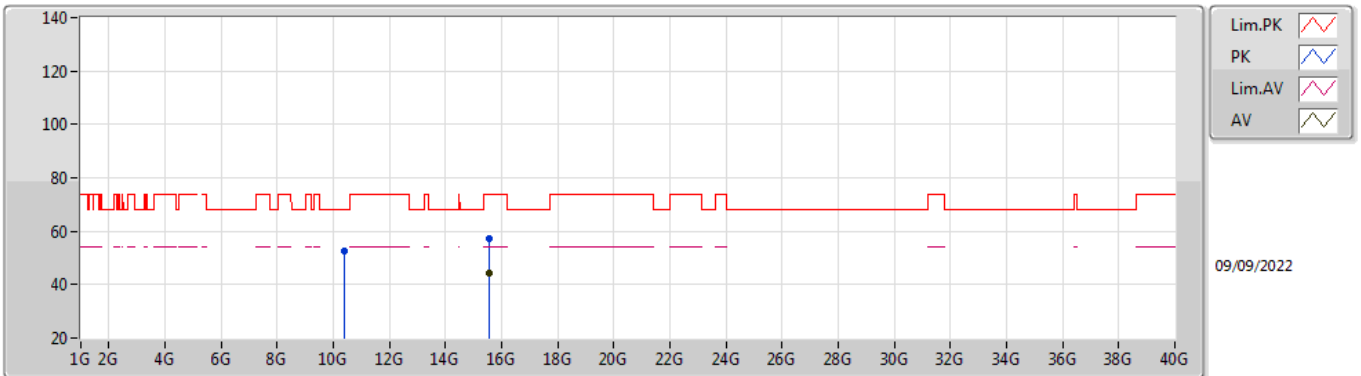


EUT_X_2TX
Setting 13
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.1432G	65.13	74.00	-8.87	57.03	3	Horizontal	90	1.71	-	33.59	5.24	30.73	
AV	5.148G	51.76	54.00	-2.24	43.64	3	Horizontal	90	1.71	-	33.60	5.25	30.73	
PK	5.1872G	122.62	Inf	-Inf	114.39	3	Horizontal	90	1.71	-	33.67	5.29	30.73	
AV	5.1876G	109.91	Inf	-Inf	101.67	3	Horizontal	90	1.71	-	33.68	5.29	30.73	

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

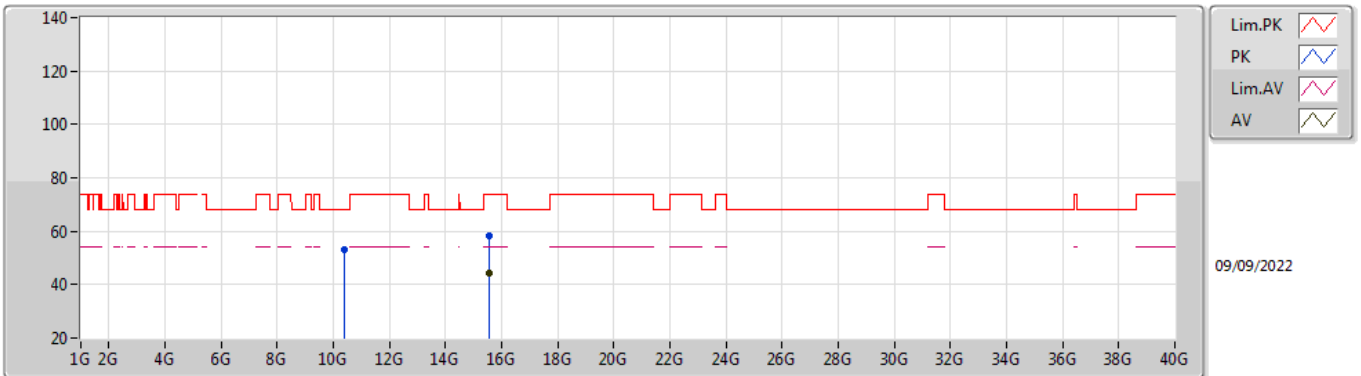


EUT X_2TX
Setting 13
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	10.38588G	52.68	68.20	-15.52	38.45	3	Vertical	7	2.79	-	38.61	7.45	31.83	
PK	15.56032G	57.43	74.00	-16.57	41.25	3	Vertical	289	2.12	-	37.74	9.80	31.36	
AV	15.56812G	44.33	54.00	-9.67	28.20	3	Vertical	289	2.12	-	37.69	9.81	31.37	

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TnomVnom

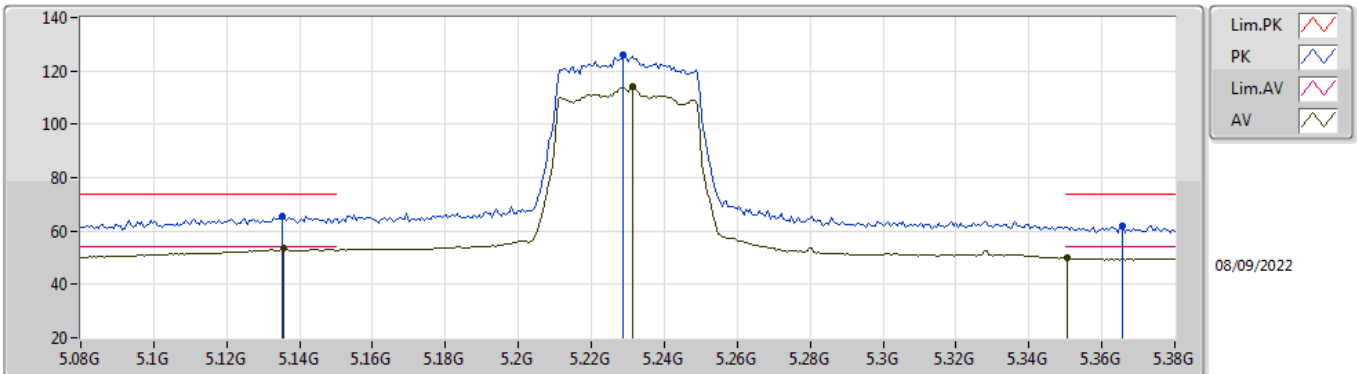


EUT X_2TX
Setting 13
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.38428G	53.29	68.20	-14.91	39.05	3	Horizontal	74	1.54	-	38.62	7.45	31.83
PK	15.57552G	58.19	74.00	-15.81	42.10	3	Horizontal	230	1.93	-	37.65	9.81	31.37
AV	15.56068G	44.37	54.00	-9.63	28.19	3	Horizontal	230	1.93	-	37.74	9.80	31.36

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

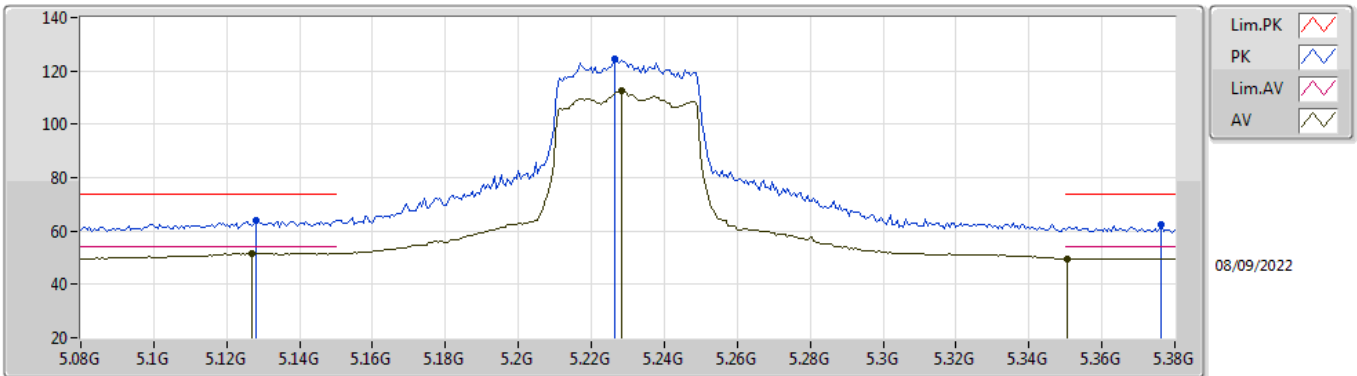


EUT_X_2TX
Setting 15.5
02-F-G-4-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1352G	65.50	74.00	-8.50	57.42	3	Vertical	90	1.70	-	33.57	5.24	30.73
AV	5.1358G	53.83	54.00	-0.17	45.75	3	Vertical	90	1.70	-	33.57	5.24	30.73
PK	5.2288G	125.82	Inf	-Inf	117.54	3	Vertical	90	1.70	-	33.70	5.31	30.73
AV	5.2312G	113.93	Inf	-Inf	105.64	3	Vertical	90	1.70	-	33.70	5.32	30.73
PK	5.3656G	62.04	74.00	-11.96	53.45	3	Vertical	90	1.70	-	33.93	5.38	30.72
AV	5.3506G	49.85	54.00	-4.15	41.29	3	Vertical	90	1.70	-	33.90	5.38	30.72

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

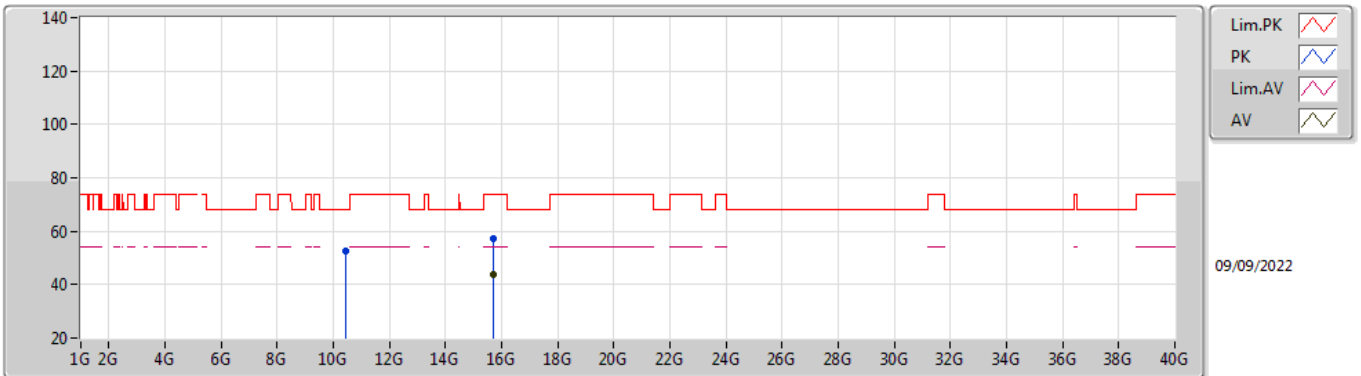


EUT X_2TX
Setting 15.5
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.128G	63.97	74.00	-10.03	55.91	3	Horizontal	90	1.76	-	33.56	5.23	30.73
AV	5.1268G	51.78	54.00	-2.22	43.73	3	Horizontal	90	1.76	-	33.55	5.23	30.73
PK	5.2264G	124.24	Inf	-Inf	115.96	3	Horizontal	90	1.76	-	33.70	5.31	30.73
AV	5.2282G	112.71	Inf	-Inf	104.43	3	Horizontal	90	1.76	-	33.70	5.31	30.73
PK	5.3764G	62.21	74.00	-11.79	53.59	3	Horizontal	90	1.76	-	33.95	5.39	30.72
AV	5.3506G	49.67	54.00	-4.33	41.11	3	Horizontal	90	1.76	-	33.90	5.38	30.72

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

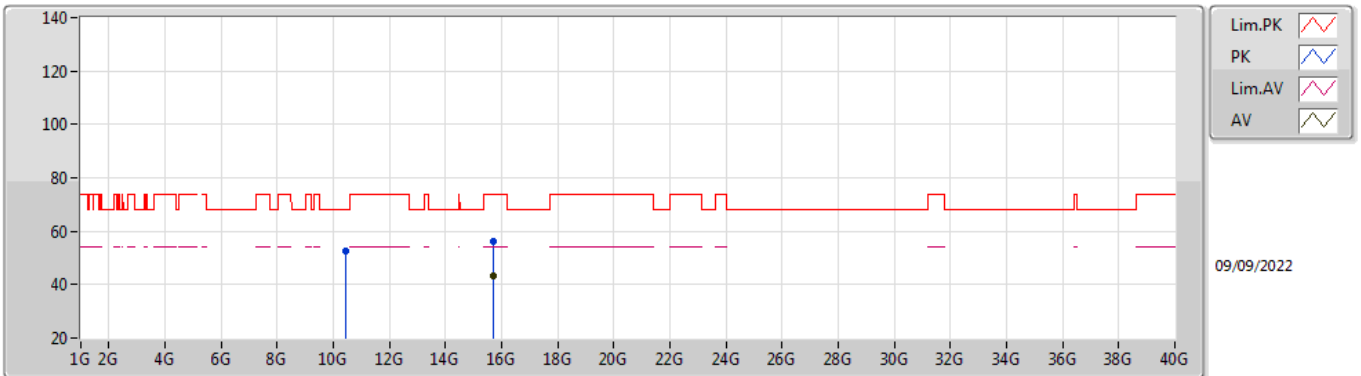


EUT X_2TX
Setting 15.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.46184G	52.43	68.20	-15.77	38.19	3	Vertical	210	2.95	-	38.60	7.48	31.84
PK	15.68652G	57.24	74.00	-16.76	41.31	3	Vertical	154	1.88	-	37.50	9.86	31.43
AV	15.68108G	43.54	54.00	-10.46	27.60	3	Vertical	154	1.88	-	37.50	9.86	31.42

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TnomVnom

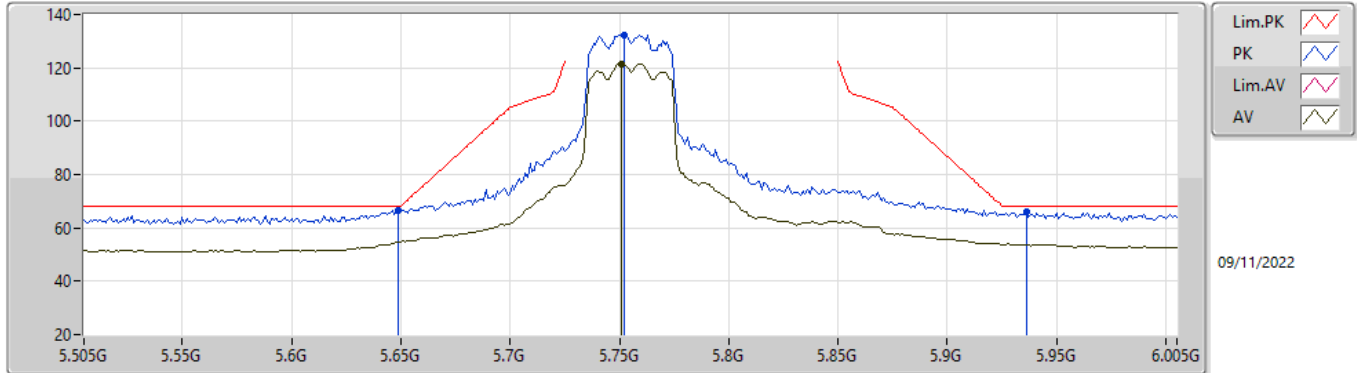


EUT X_2TX
Setting 15.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.45244G	52.76	68.20	-15.44	38.52	3	Horizontal	208	1.50	-	38.60	7.48	31.84
PK	15.68572G	56.43	74.00	-17.57	40.50	3	Horizontal	77	1.63	-	37.50	9.86	31.43
AV	15.68088G	43.43	54.00	-10.57	27.49	3	Horizontal	77	1.63	-	37.50	9.86	31.42

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

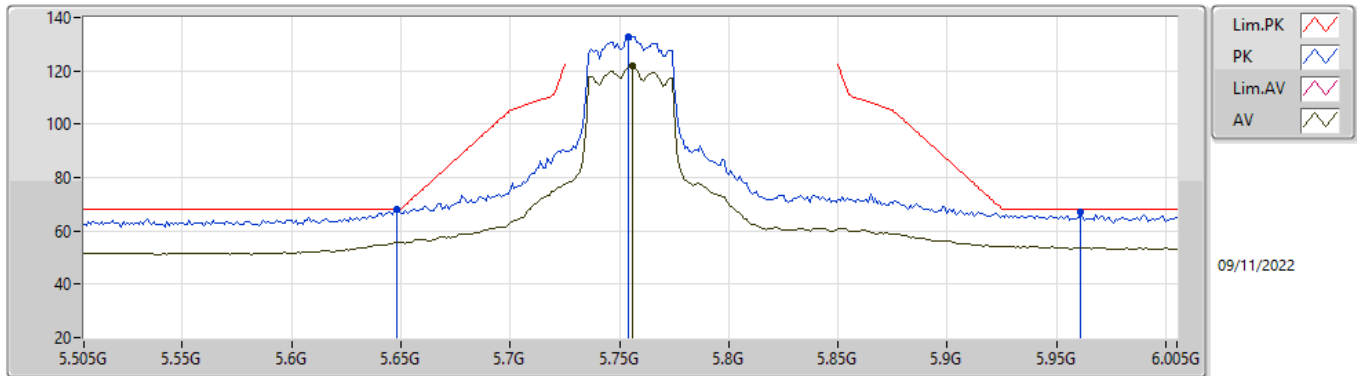


EUT_X_2TX
Setting 21
03-C-G-4-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.649G	66.63	68.20	-1.57	59.90	3	Vertical	358	1.69	-	34.50	7.12	34.89
PK	5.752G	132.45	Inf	-Inf	125.99	3	Vertical	358	1.69	-	34.20	7.18	34.92
AV	5.751G	121.57	Inf	-Inf	115.11	3	Vertical	358	1.69	-	34.20	7.18	34.92
PK	5.936G	66.07	68.20	-2.13	59.02	3	Vertical	358	1.69	-	34.74	7.27	34.96

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

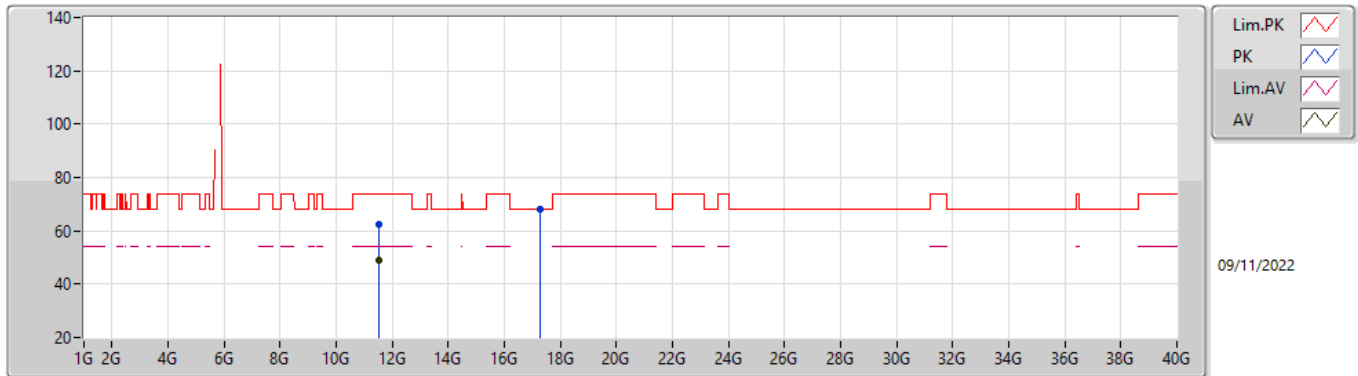


EUT_X_2TX
Setting 21
03-C-G-4-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.648G	67.94	68.20	-0.26	61.21	3	Horizontal	357	1.80	-	34.50	7.12	34.89
PK	5.754G	132.57	Inf	-Inf	126.11	3	Horizontal	357	1.80	-	34.20	7.18	34.92
AV	5.756G	121.95	Inf	-Inf	115.49	3	Horizontal	357	1.80	-	34.20	7.18	34.92
PK	5.961G	67.23	68.20	-0.97	60.11	3	Horizontal	357	1.80	-	34.80	7.28	34.96

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

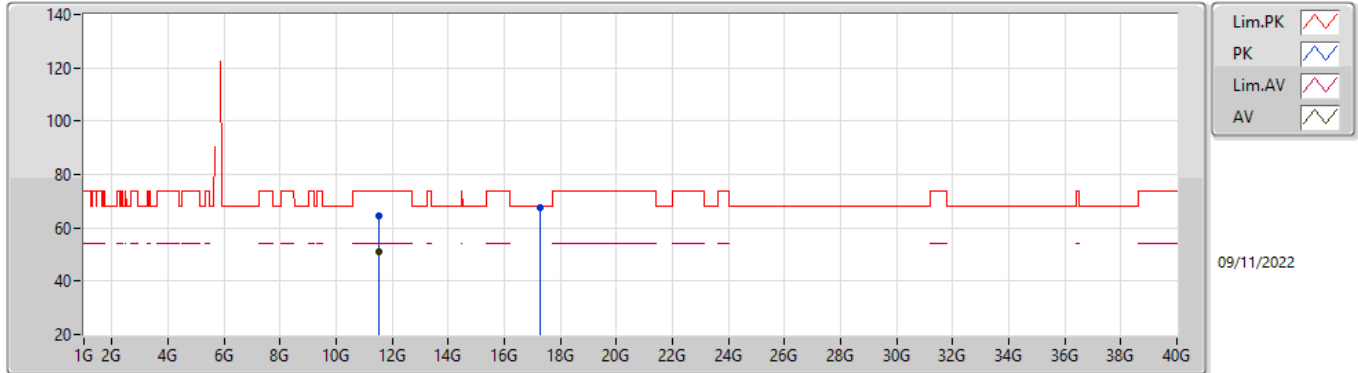


EUT X_2TX
Setting 21
03-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5079G	62.56	74.00	-11.44	45.56	3	Vertical	23	1.70	-	39.03	12.83	34.86
AV	11.5091G	49.06	54.00	-4.94	32.05	3	Vertical	23	1.70	-	39.04	12.83	34.86
PK	17.26224G	67.94	68.20	-0.26	43.65	3	Vertical	122	2.74	-	40.97	17.46	34.14

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TnomVnom

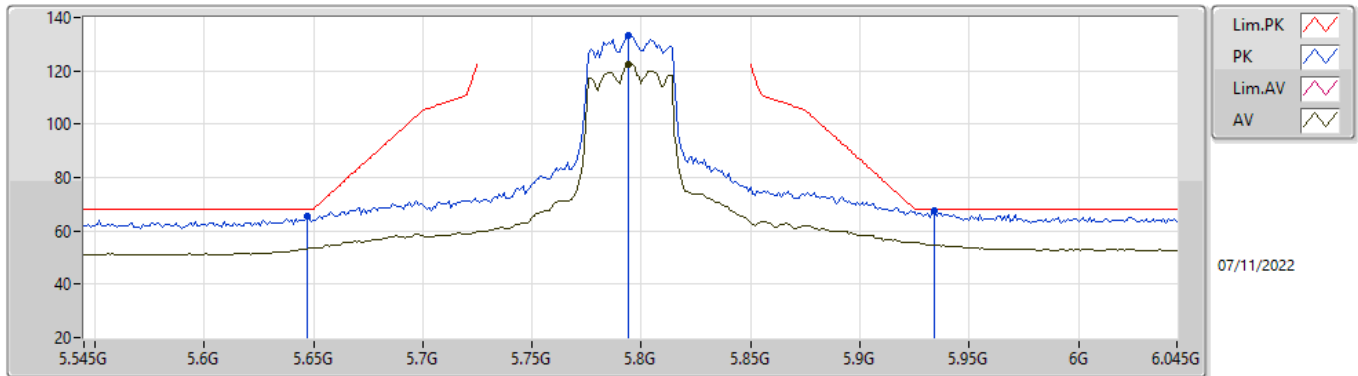


EUT X_2TX
Setting 21
03-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.50796G	64.36	74.00	-9.64	47.36	3	Horizontal	19	2.02	-	39.03	12.83	34.86
AV	11.50802G	51.19	54.00	-2.81	34.19	3	Horizontal	19	2.02	-	39.03	12.83	34.86
PK	17.26246G	67.38	68.20	-0.82	43.09	3	Horizontal	288	2.24	-	40.97	17.46	34.14

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

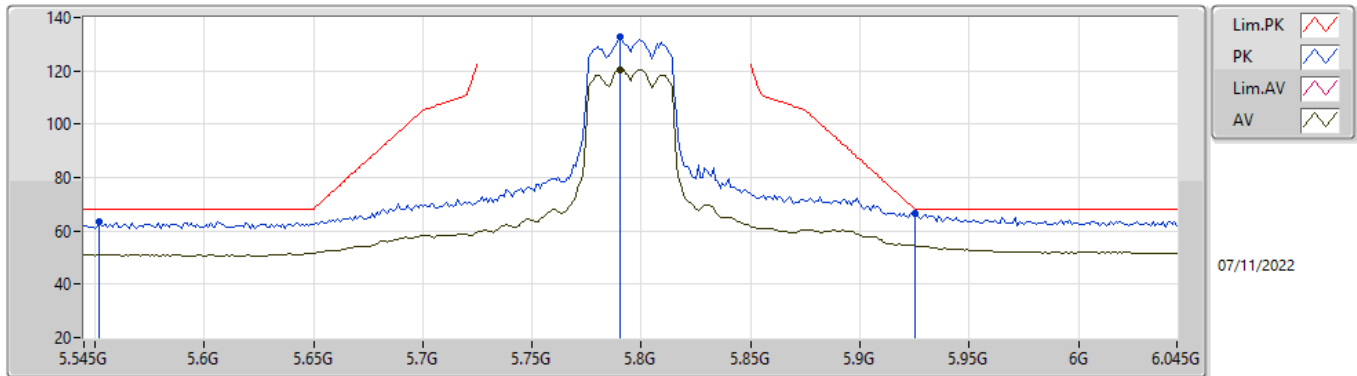


EUT X_2TX
Setting 20.5
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.647G	65.26	68.20	-2.94	56.18	3	Vertical	-0	1.93	-	33.81	6.10	30.83
PK	5.794G	133.03	Inf	-Inf	124.07	3	Vertical	-0	1.93	-	33.80	6.10	30.94
AV	5.794G	122.41	Inf	-Inf	113.45	3	Vertical	-0	1.93	-	33.80	6.10	30.94
PK	5.934G	67.42	68.20	-0.78	58.07	3	Vertical	-0	1.93	-	34.17	6.23	31.05

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

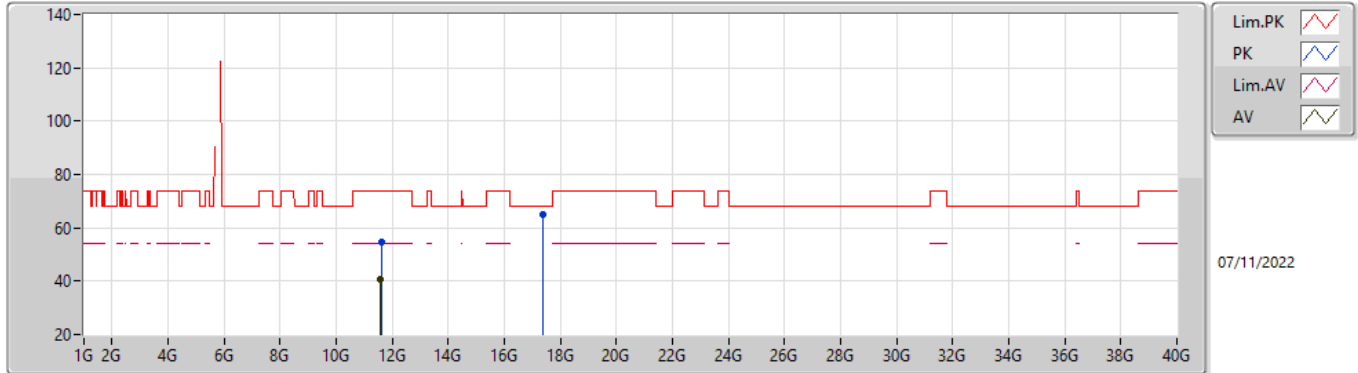


EUT X_2TX
Setting 20.5
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.552G	63.69	68.20	-4.51	54.40	3	Horizontal	-0	1.97	-	34.00	6.05	30.76
PK	5.79G	132.89	Inf	-Inf	123.93	3	Horizontal	-0	1.97	-	33.80	6.10	30.94
AV	5.79G	120.54	Inf	-Inf	111.58	3	Horizontal	-0	1.97	-	33.80	6.10	30.94
PK	5.925G	66.67	68.20	-1.53	57.34	3	Horizontal	-0	1.97	-	34.15	6.22	31.04

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

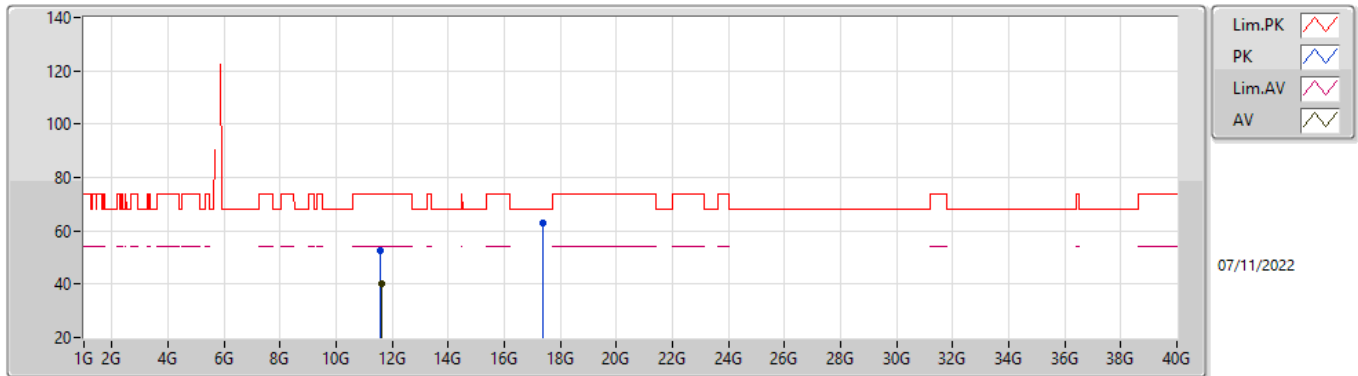


EUT X_2TX
Setting 20.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6054G	54.87	74.00	-19.13	38.88	3	Vertical	202	2.43	-	39.31	8.86	32.18
AV	11.5851G	40.92	54.00	-13.08	24.98	3	Vertical	202	2.43	-	39.26	8.85	32.17
PK	17.3998G	65.13	68.20	-3.07	41.26	3	Vertical	93	1.93	-	43.10	10.99	30.22

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TnomVnom

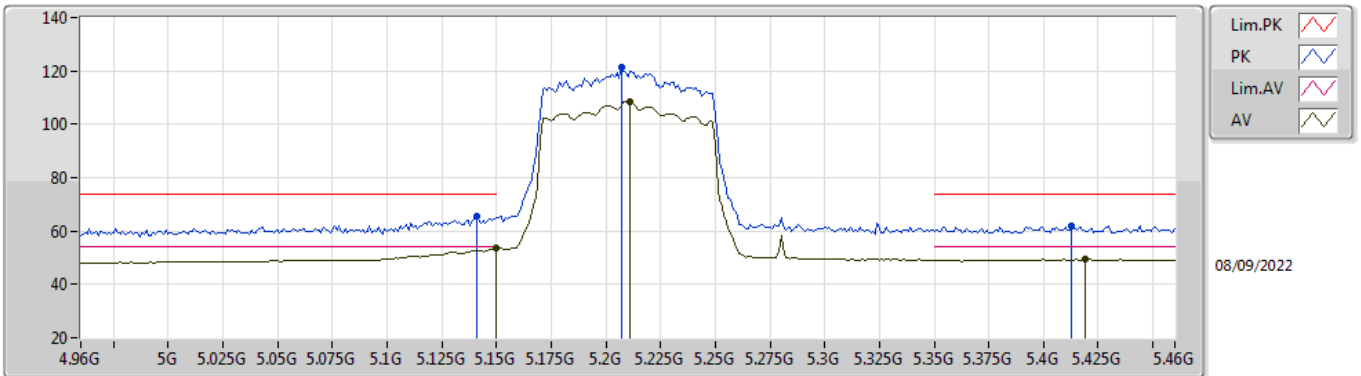


EUT X_2TX
Setting 20.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.566G	52.61	74.00	-21.39	36.72	-	Horizontal	290	2.86	-	39.20	8.85	32.16
AV	11.6065G	39.99	54.00	-14.01	24.00	-	Horizontal	290	2.86	-	39.31	8.86	32.18
PK	17.3794G	63.18	68.20	-5.02	39.44	-	Horizontal	31	1.88	-	42.98	10.98	30.22

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

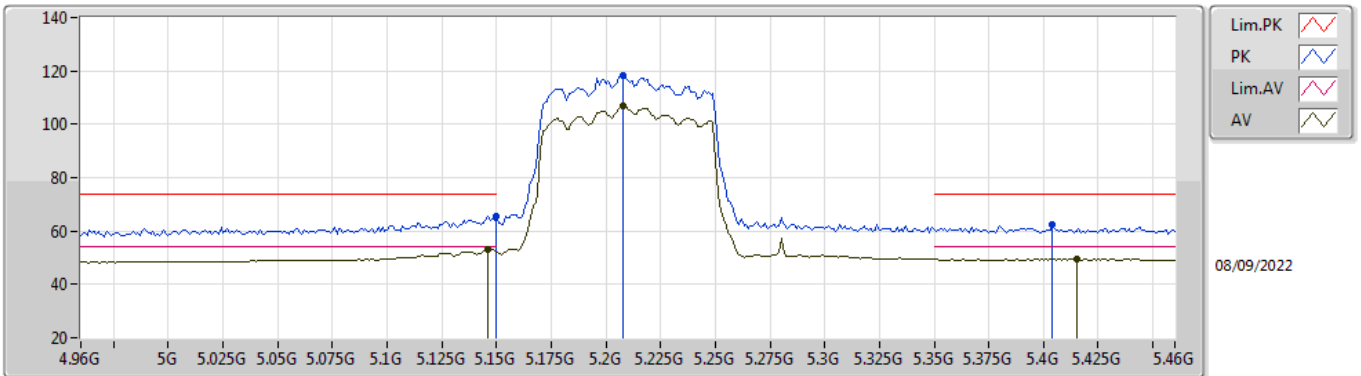


EUT X_2TX
Setting 12.5
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.141G	65.32	74.00	-8.68	57.23	3	Vertical	90	1.72	-	33.58	5.24	30.73
AV	5.15G	53.44	54.00	-0.56	45.32	3	Vertical	90	1.72	-	33.60	5.25	30.73
PK	5.207G	121.21	Inf	-Inf	112.94	3	Vertical	90	1.72	-	33.70	5.30	30.73
AV	5.211G	108.67	Inf	-Inf	100.39	3	Vertical	90	1.72	-	33.70	5.31	30.73
PK	5.413G	62.02	74.00	-11.98	53.33	3	Vertical	90	1.72	-	34.00	5.41	30.72
AV	5.419G	49.30	54.00	-4.70	40.60	3	Vertical	90	1.72	-	34.00	5.42	30.72

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

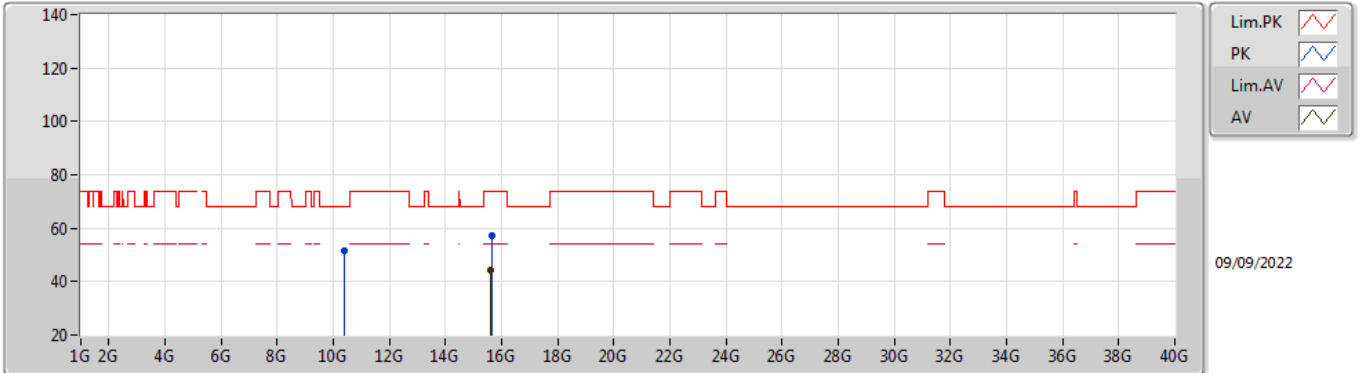


EUT X_2TX
Setting 12.5
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	65.64	74.00	-8.36	57.52	3	Horizontal	90	1.71	-	33.60	5.25	30.73
AV	5.146G	53.16	54.00	-0.84	45.05	3	Horizontal	90	1.71	-	33.59	5.25	30.73
PK	5.208G	118.35	Inf	-Inf	110.08	3	Horizontal	90	1.71	-	33.70	5.30	30.73
AV	5.208G	106.96	Inf	-Inf	98.69	3	Horizontal	90	1.71	-	33.70	5.30	30.73
PK	5.404G	62.29	74.00	-11.71	53.61	3	Horizontal	90	1.71	-	34.00	5.40	30.72
AV	5.415G	49.43	54.00	-4.57	40.73	3	Horizontal	90	1.71	-	34.00	5.42	30.72

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

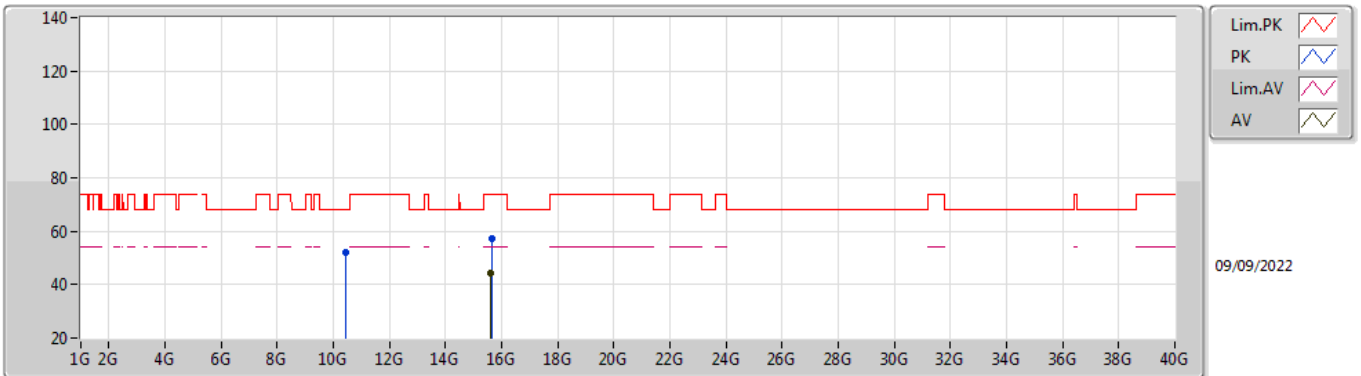


EUT X_2TX
Setting 12.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.405G	51.66	68.20	-16.54	37.43	3	Vertical	115	2.05	-	38.60	7.46	31.83
PK	15.6324G	57.32	74.00	-16.68	41.39	3	Vertical	46	2.14	-	37.50	9.83	31.40
AV	15.6164G	44.35	54.00	-9.65	28.41	3	Vertical	46	2.14	-	37.50	9.83	31.39

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TnomVnom

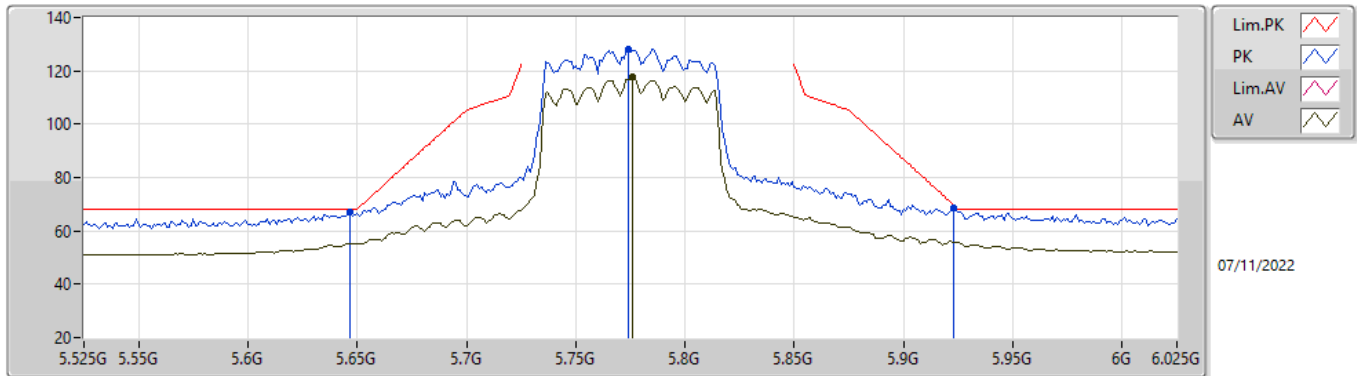


EUT X_2TX
Setting 12.5
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.429G	52.11	68.20	-16.09	37.88	3	Horizontal	145	2.81	-	38.60	7.47	31.84
PK	15.6407G	57.26	74.00	-16.74	41.32	3	Horizontal	150	2.56	-	37.50	9.84	31.40
AV	15.6165G	44.16	54.00	-9.84	28.22	3	Horizontal	150	2.56	-	37.50	9.83	31.39

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom

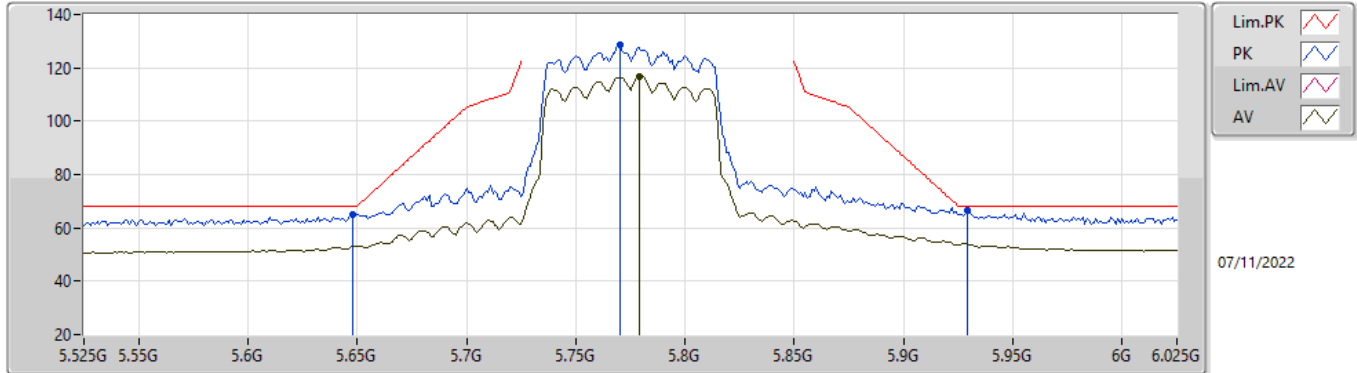


EUT_X_2TX
Setting 19
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.647G	67.08	68.20	-1.12	58.00	3	Vertical	41	1.99	-	33.81	6.10	30.83
PK	5.774G	128.04	Inf	-Inf	119.07	3	Vertical	41	1.99	-	33.80	6.10	30.93
AV	5.776G	117.67	Inf	-Inf	108.70	3	Vertical	41	1.99	-	33.80	6.10	30.93
PK	5.923G	68.66	69.68	-1.02	59.33	3	Vertical	41	1.99	-	34.15	6.22	31.04

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom

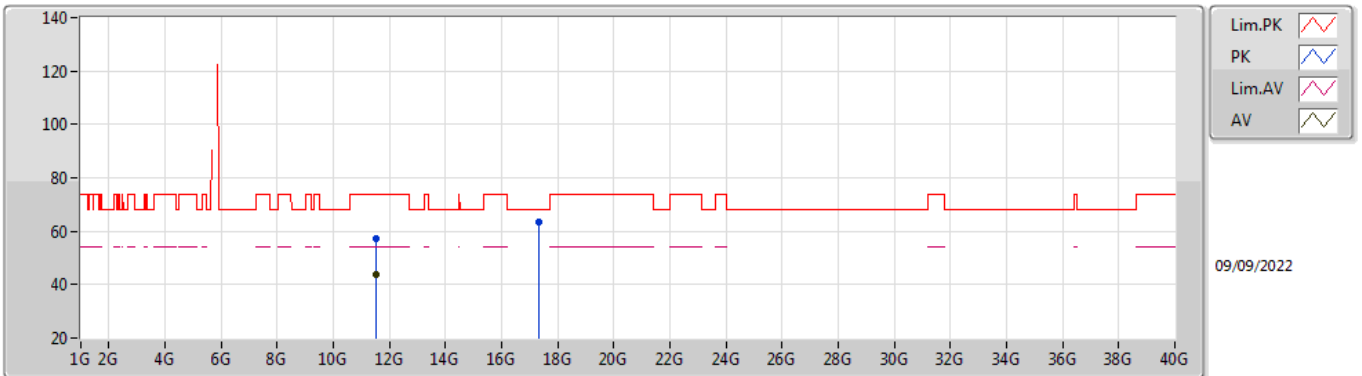


EUT_X_2TX
Setting 19
02-F-R-5-13

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.648G	65.02	68.20	-3.18	55.95	3	Horizontal	1	1.98	-	33.80	6.10	30.83
PK	5.77G	128.85	Inf	-Inf	119.88	3	Horizontal	1	1.98	-	33.80	6.10	30.93
AV	5.779G	116.79	Inf	-Inf	107.82	3	Horizontal	1	1.98	-	33.80	6.10	30.93
PK	5.929G	66.60	68.20	-1.60	57.26	3	Horizontal	1	1.98	-	34.16	6.23	31.05

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom

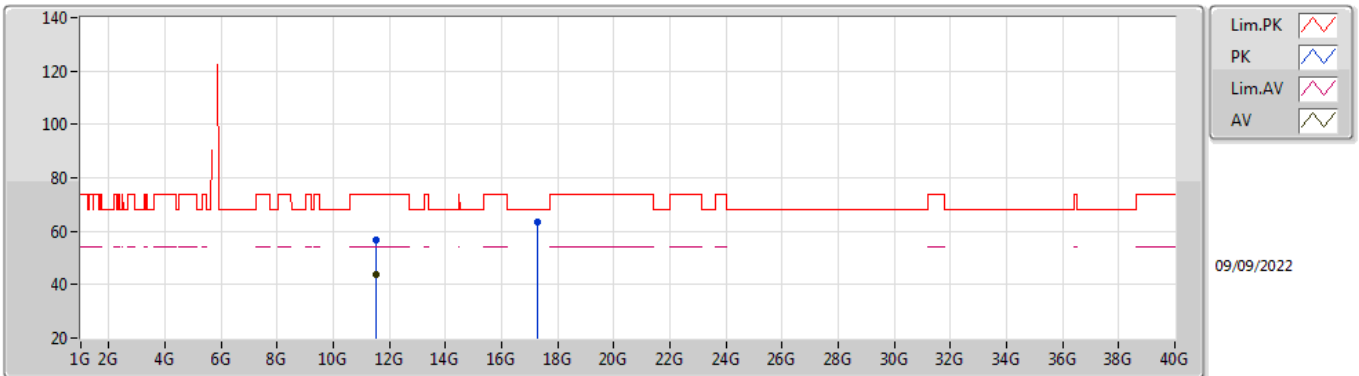


EUT X_2TX
Setting 19
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5263G	57.08	74.00	-16.92	42.23	3	Vertical	94	1.92	-	39.08	7.91	32.14
AV	11.5279G	43.97	54.00	-10.03	29.12	3	Vertical	94	1.92	-	39.08	7.91	32.14
PK	17.3254G	63.62	68.20	-4.58	40.54	3	Vertical	335	1.34	-	42.65	10.66	30.23

802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TnomVnom



EUT X_2TX
Setting 19
02-F-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.527G	56.81	74.00	-17.19	41.96	3	Horizontal	60	2.47	-	39.08	7.91	32.14
AV	11.5266G	43.90	54.00	-10.10	29.05	3	Horizontal	60	2.47	-	39.08	7.91	32.14
PK	17.3022G	63.40	68.20	-4.80	40.47	3	Horizontal	62	2.33	-	42.51	10.65	30.23

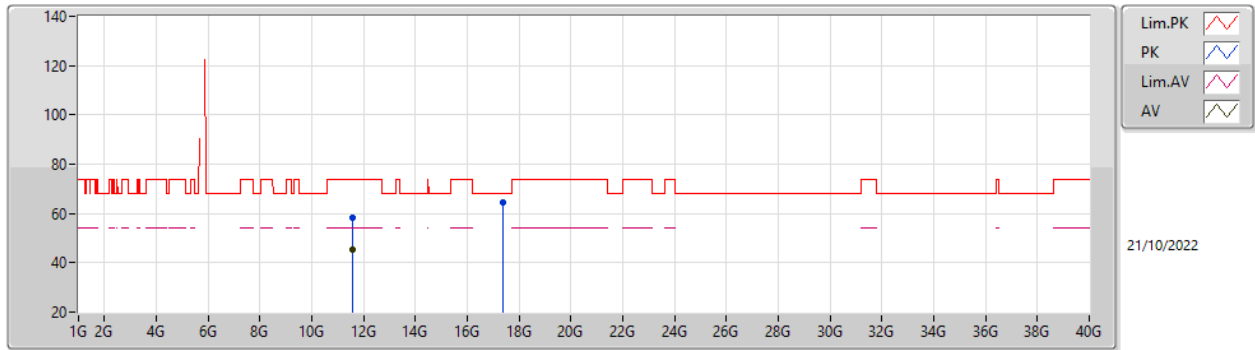


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1.(6Mbps)_2TX	Pass	PK	17.34972G	65.19	68.20	-3.01	3	Horizontal	226	1.93	-

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom

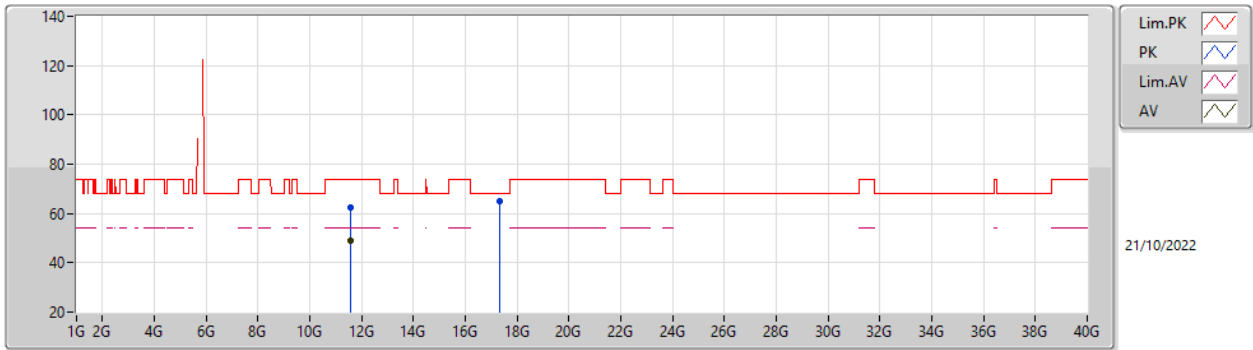


EUT Y_2TX
Setting 28
04-T-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57096G	58.43	74.00	-15.57	44.89	3	Vertical	66	1.90	-	39.20	8.47	34.13
AV	11.5688G	45.55	54.00	-8.45	32.01	3	Vertical	66	1.90	-	39.20	8.47	34.13
PK	17.35986G	64.54	68.20	-3.66	45.25	3	Vertical	57	2.57	-	41.72	11.18	33.61

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TnomVnom



EUT Y_2TX
Setting 28
04-T-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.56868G	62.25	74.00	-11.75	48.71	3	Horizontal	53	1.84	-	39.20	8.47	34.13
AV	11.57042G	49.09	54.00	-4.91	35.55	3	Horizontal	53	1.84	-	39.20	8.47	34.13
PK	17.34972G	65.19	68.20	-3.01	45.92	3	Horizontal	226	1.93	-	41.70	11.18	33.61

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	EIRP (dBm)	Psum (dBm)	P2 (dBm)	P1 (dBm)	Limit (dBm)	Margin (dB)	DG (dBi)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1(6Mbps)_2TX	Pass	5.11G	5.15G	AV	-46.64	-48.64	-54.00	-50.13	-41.20	-5.44	2.00
802.11ax HEW20_Nss1(MCS0)_2TX	Pass	5.15G	5.35G	AV	-55.84	-57.84	-61.27	-60.46	-41.20	-14.64	2.00
802.11ax HEW40_Nss1(MCS0)_2TX	Pass	5.15G	5.35G	AV	-56.09	-58.09	-61.13	-61.07	-41.20	-14.89	2.00
802.11ax HEW80_Nss1(MCS0)_2TX	Pass	5.15G	5.35G	AV	-55.94	-57.94	-60.97	-60.94	-41.20	-14.74	2.00
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1(6Mbps)_2TX	Pass	5.89G	8G	PK	-38.38	-40.38	-41.60	-46.49	-27.00	-11.38	2.00
802.11ax HEW20_Nss1(MCS0)_2TX	Pass	5.89G	8G	PK	-38.45	-40.45	-41.22	-48.35	-26.47	-11.98	2.00
802.11ax HEW40_Nss1(MCS0)_2TX	Pass	5.85G	5.93G	PK	-32.44	-34.44	-42.80	-35.12	-26.79	-5.65	2.00
802.11ax HEW80_Nss1(MCS0)_2TX	Pass	5.565G	5.725G	PK	-31.76	-33.76	-44.21	-34.17	-27.00	-4.76	2.00

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX



CSE (Band Reject Filter)_Ant. Set 2 (Harmonic 1GHz ~ 8GHz)

Appendix E.6

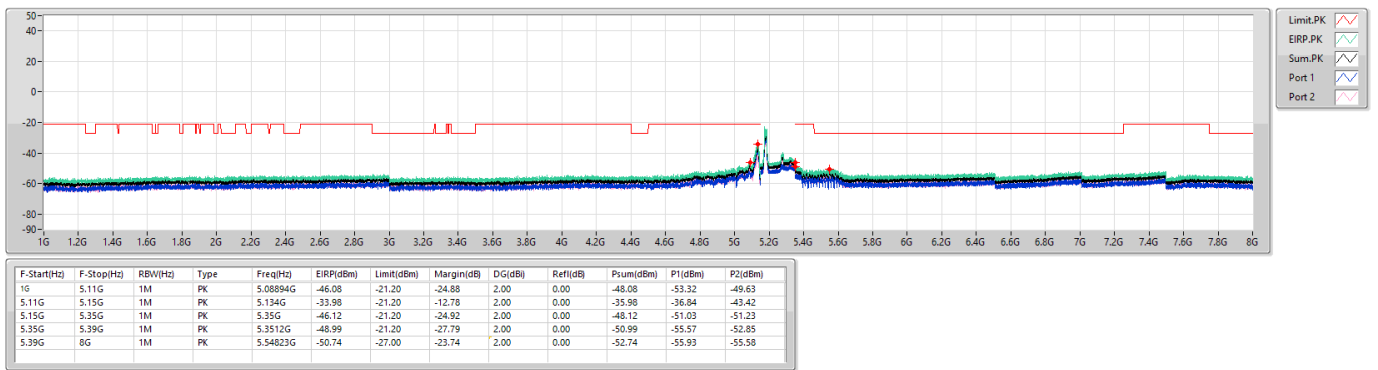
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)	P2 (dBm)
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	1G	4.99G	AV	4.97703G	2.00	-65.50	-67.63	-63.43	-61.43	-41.20	-20.23	-67.63
5210MHz	Pass	4.99G	5.15G	AV	5.12056G	2.00	-61.30	-63.34	-59.19	-57.19	-41.20	-15.99	-63.34
5210MHz	Pass	5.15G	5.35G	AV	5.35G	2.00	-60.94	-60.97	-57.94	-55.94	-41.20	-14.74	-60.97
5210MHz	Pass	5.35G	5.51G	AV	5.35128G	2.00	-66.18	-67.09	-63.60	-61.60	-41.20	-20.40	-67.09
5210MHz	Pass	5.51G	8G	AV	7.48768G	2.00	-66.87	-66.96	-63.90	-61.90	-41.20	-20.70	-66.96
5210MHz	Pass	1G	4.99G	PK	2.95909G	2.00	-58.82	-58.97	-55.88	-53.88	-27.00	-26.88	-58.97
5210MHz	Pass	4.99G	5.15G	PK	5.12856G	2.00	-45.91	-54.09	-45.30	-43.30	-21.20	-22.10	-54.09
5210MHz	Pass	5.15G	5.35G	PK	5.35G	2.00	-51.71	-51.42	-48.55	-46.55	-21.20	-25.35	-51.42
5210MHz	Pass	5.35G	5.51G	PK	5.46936G	2.00	-55.05	-59.14	-53.62	-51.62	-27.00	-24.62	-59.14
5210MHz	Pass	5.51G	8G	PK	7.24927G	2.00	-56.05	-58.40	-54.06	-52.06	-27.00	-25.06	-58.40
5775MHz	Pass	1G	5.565G	AV	5.38411G	2.00	-64.84	-63.26	-60.97	-58.97	-41.20	-17.77	-63.26
5775MHz	Pass	6.01G	8G	AV	7.49802G	2.00	-66.52	-67.61	-64.02	-62.02	-41.20	-20.82	-67.61
5775MHz	Pass	1G	5.565G	PK	5.53989G	2.00	-54.89	-54.46	-51.66	-49.66	-27.00	-22.66	-54.46
5775MHz	Pass	5.565G	5.725G	PK	5.64948G	2.00	-34.17	-44.21	-33.76	-31.76	-27.00	-4.76	-44.21
5775MHz	Pass	5.725G	5.85G	PK	5.85G	2.00	-54.22	-52.22	-50.10	-48.10	27.00	-75.10	-52.22
5775MHz	Pass	5.85G	6.01G	PK	5.92456G	2.00	-34.45	-44.11	-34.00	-32.00	-26.67	-5.33	-44.11
5775MHz	Pass	6.01G	8G	PK	6.01846G	2.00	-49.12	-55.06	-48.13	-46.13	-27.00	-19.13	-55.06

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

CSE Other [PK]

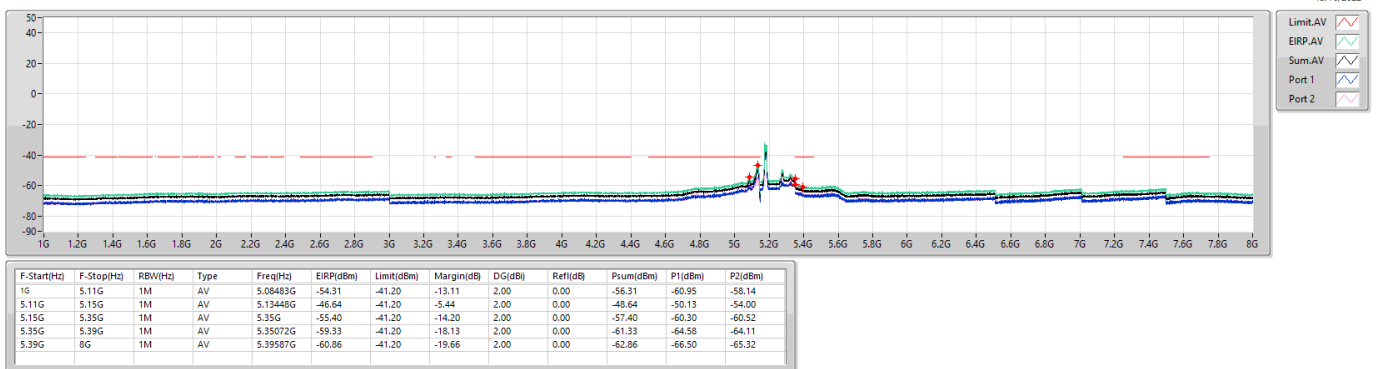
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5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

CSE Other [AV]

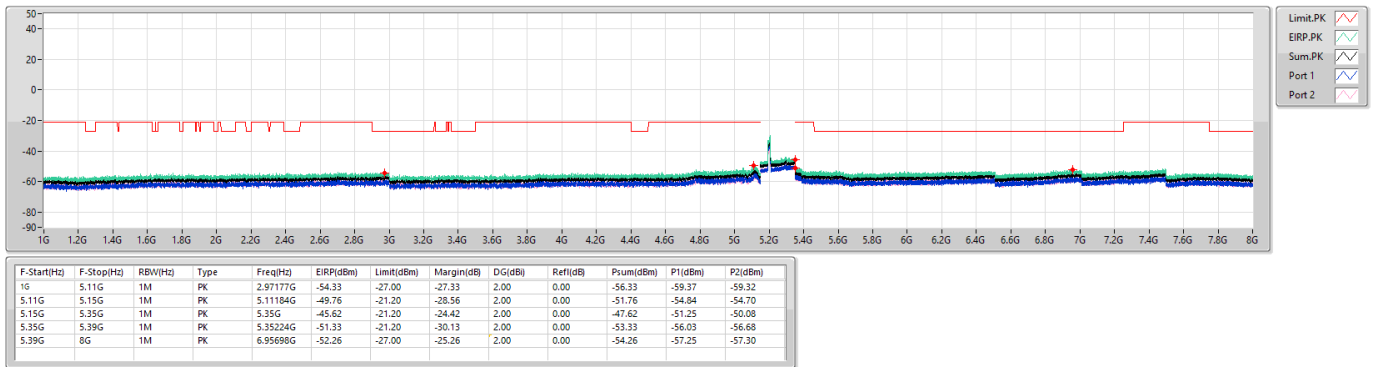
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5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

CSE Other [PK]

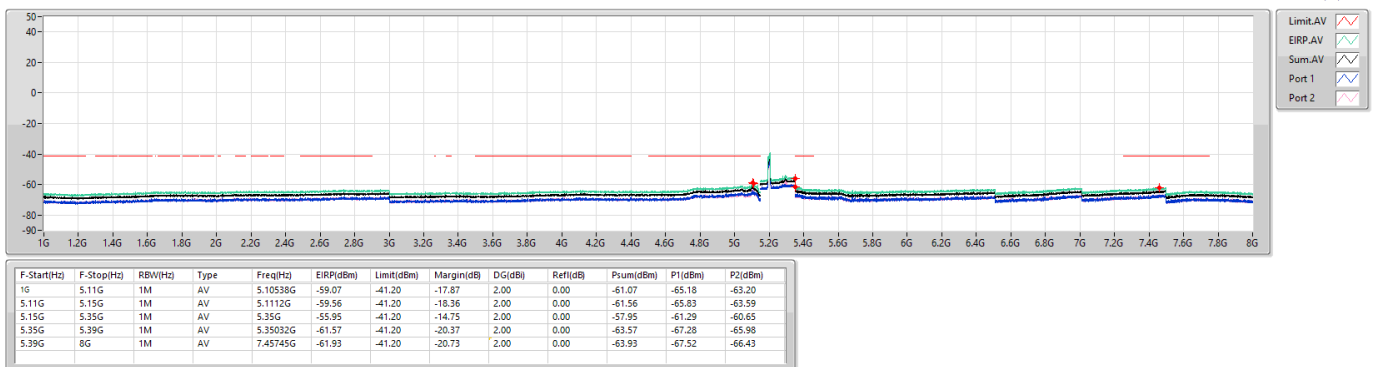
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5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

CSE Other [AV]

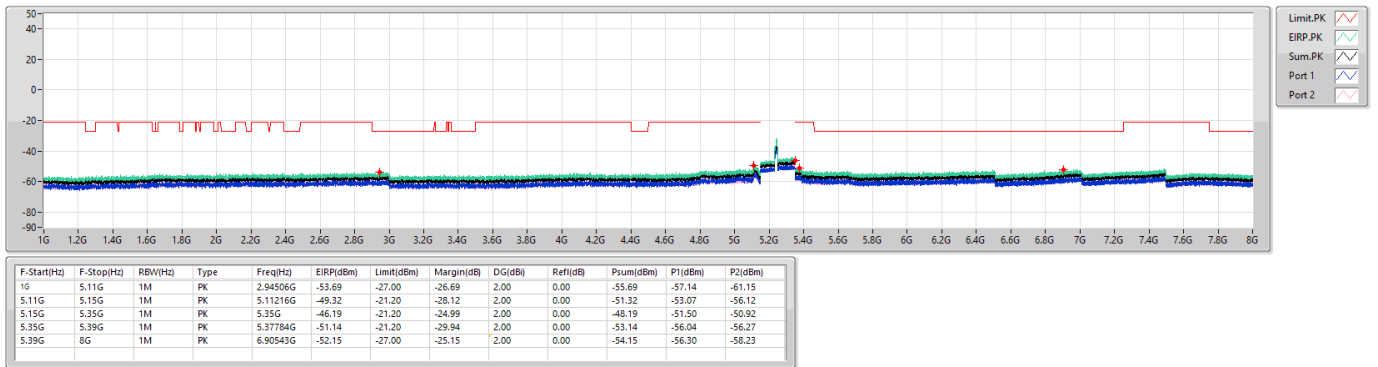
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5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

CSE Other [PK]

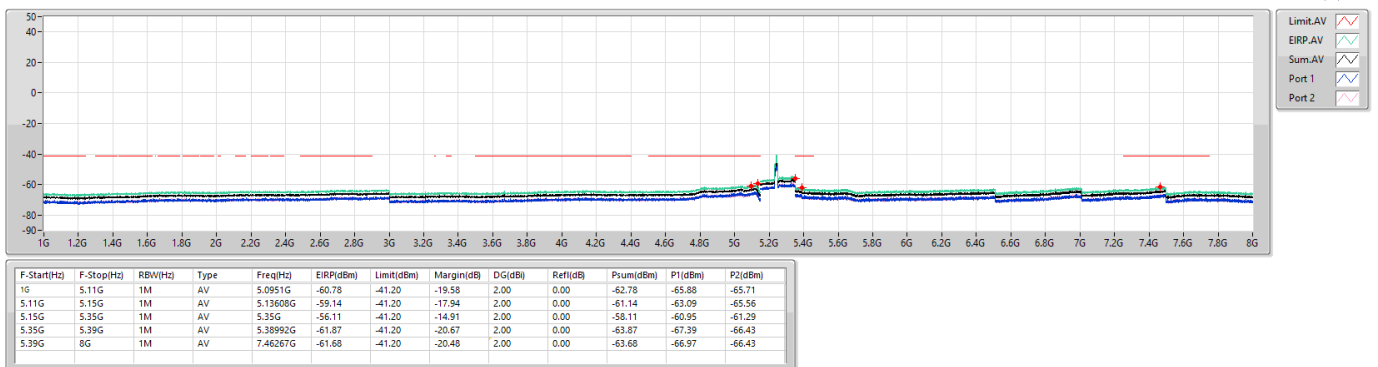
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5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

CSE Other [AV]

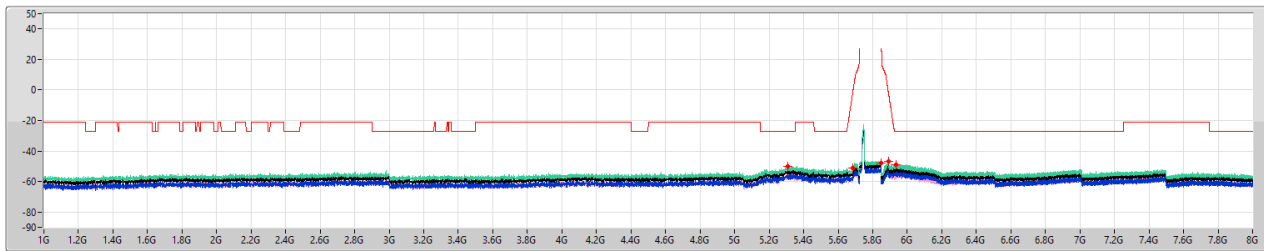
5240MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX 5745MHz

CSE Other [PK]

15/10/2022



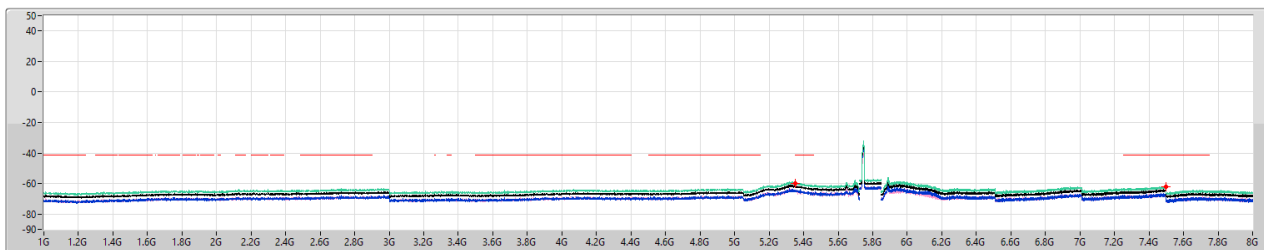
Limit.PK
EIRP.PK
Sum.PK
Port 1
Port 2

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref1(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	PK	5.3061G	-50.02	-27.00	-23.02	2.00	0.00	-52.02	-55.56	-54.55
5.685G	5.725G	1M	PK	5.68532G	-51.22	-0.86	-50.36	2.00	0.00	-53.22	-55.78	-56.74
5.725G	5.85G	1M	PK	5.85G	-48.12	27.00	-75.12	2.00	0.00	-50.12	-52.63	-53.70
5.85G	5.89G	1M	PK	5.88984G	-46.58	-0.98	-45.60	2.00	0.00	-48.58	-52.03	-51.19
5.89G	8G	1M	PK	5.93352G	-48.99	-27.00	-21.99	2.00	0.00	-50.99	-52.90	-55.47

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX 5745MHz

CSE Other [AV]

15/10/2022



Limit.AV
EIRP.AV
Sum.AV
Port 1
Port 2

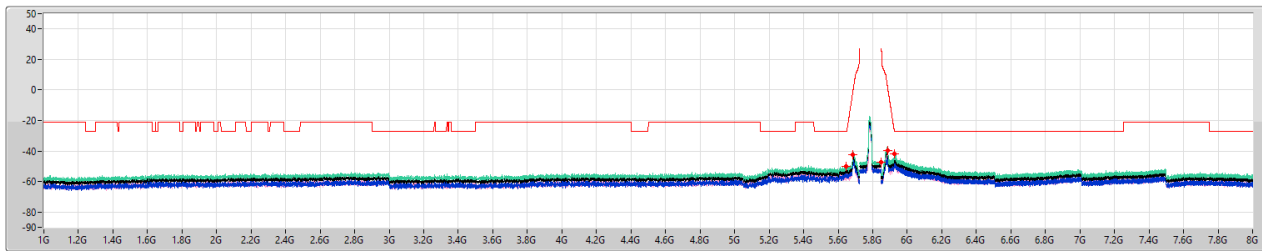
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref1(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	AV	5.35061G	-59.67	-41.20	-18.47	2.00	0.00	-61.67	-64.83	-64.53
5.685G	8G	1M	AV	7.49624G	-61.85	-41.20	-20.65	2.00	0.00	-63.85	-66.44	-67.33

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5785MHz

CSE Other [PK]

15/10/2022



Limit.PK
EIRP.PK
Sum.PK
Port 1
Port 2

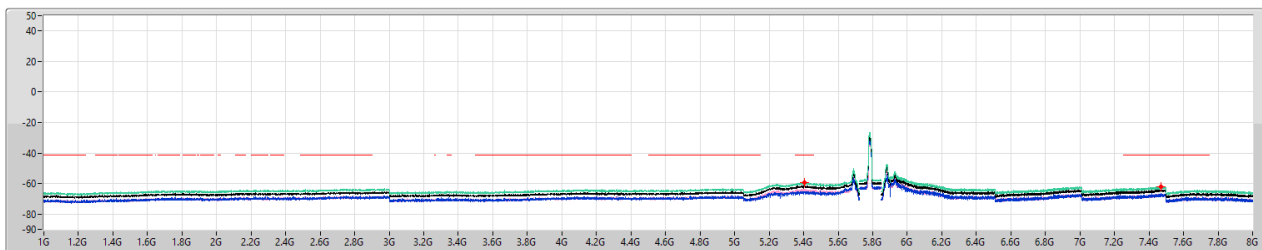
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref1(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	PK	5.64811G	-50.31	-27.00	-23.31	2.00	0.00	-52.31	-54.81	-55.90
5.685G	5.725G	1M	PK	5.68516G	-42.40	-0.96	-41.42	2.00	0.00	-44.40	-46.89	-46.31
5.725G	5.85G	1M	PK	5.85G	-47.39	27.00	-74.39	2.00	0.00	-49.39	-51.58	-53.40
5.85G	5.89G	1M	PK	5.88556G	-39.68	-0.03	-39.65	2.00	0.00	-41.68	-48.65	-42.65
5.89G	8G	1M	PK	5.92745G	-42.02	-27.00	-15.02	2.00	0.00	-44.02	-47.30	-46.78

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5785MHz

CSE Other [AV]

15/10/2022



Limit.AV
EIRP.AV
Sum.AV
Port 1
Port 2

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref1(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.685G	1M	AV	5.40214G	-59.46	-41.20	-18.26	2.00	0.00	-61.46	-65.57	-63.60
5.685G	8G	1M	AV	7.46907G	-61.84	-41.20	-20.64	2.00	0.00	-63.84	-66.58	-67.13

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

CSE Other [PK]

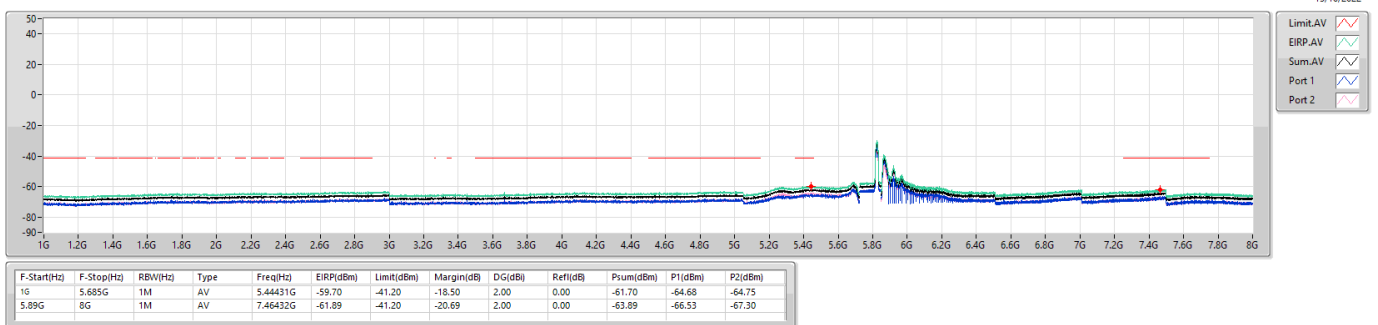
5825MHz



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

CSE Other [AV]

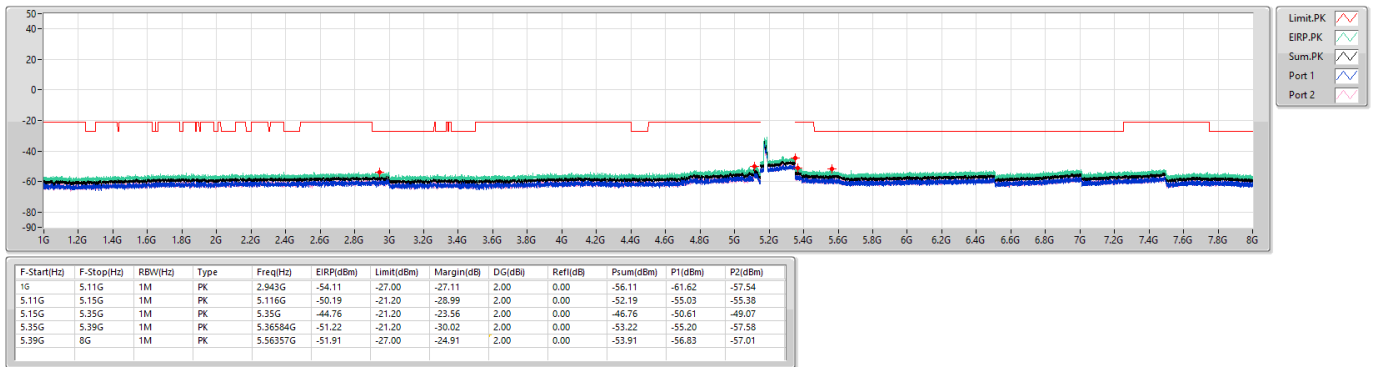
5825MHz



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX 5180MHz

CSE Other [PK]

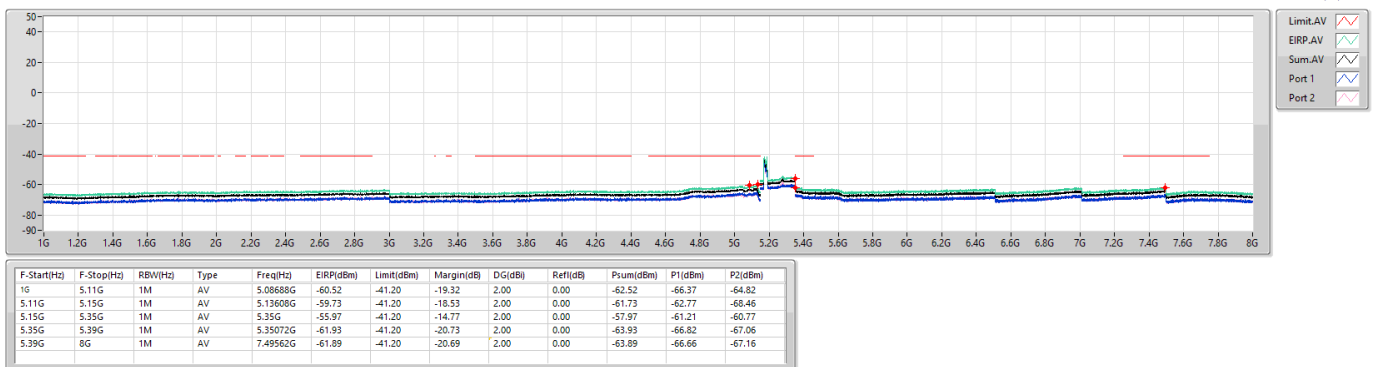
15/10/2022



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX 5180MHz

CSE Other [AV]

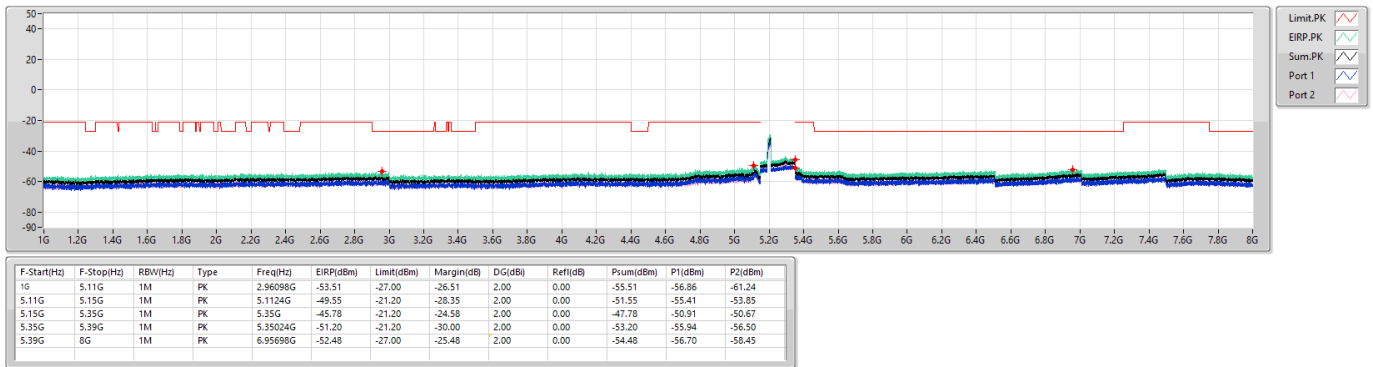
15/10/2022



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX 5200MHz

CSE Other [PK]

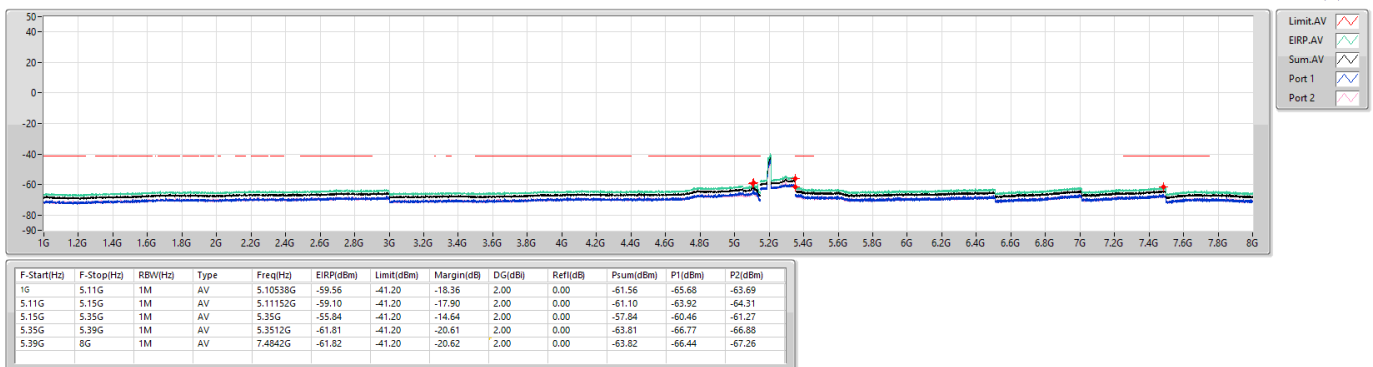
15/10/2022



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX 5200MHz

CSE Other [AV]

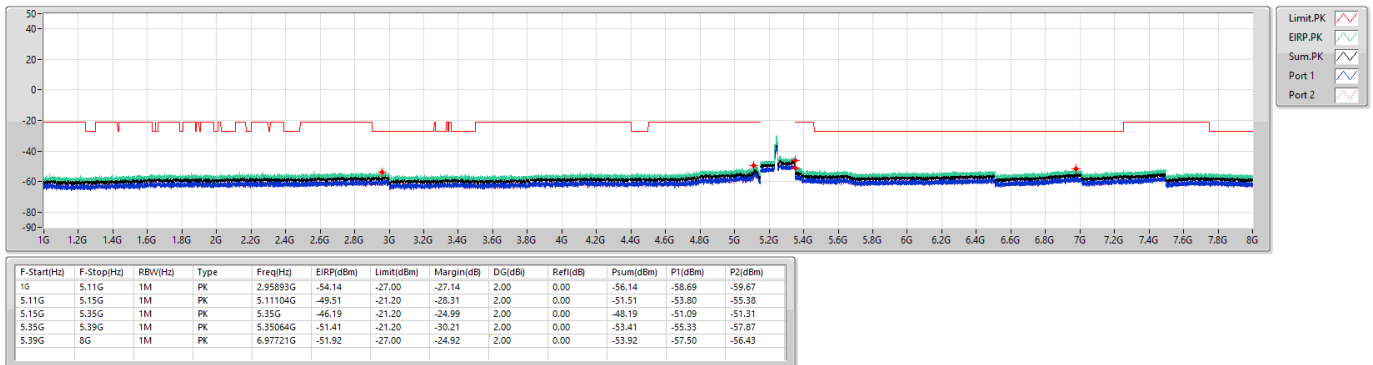
15/10/2022



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX 5240MHz

CSE Other [PK]

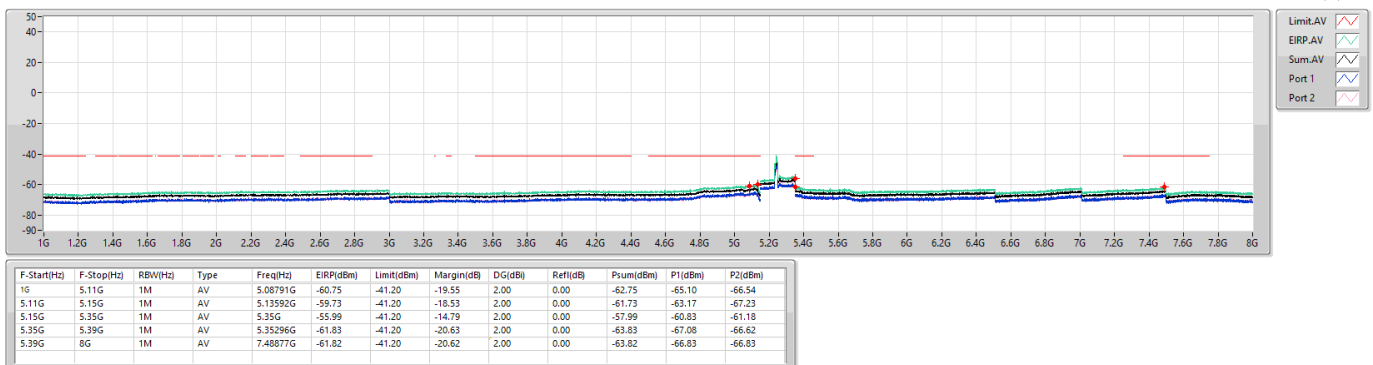
15/10/2022



5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX 5240MHz

CSE Other [AV]

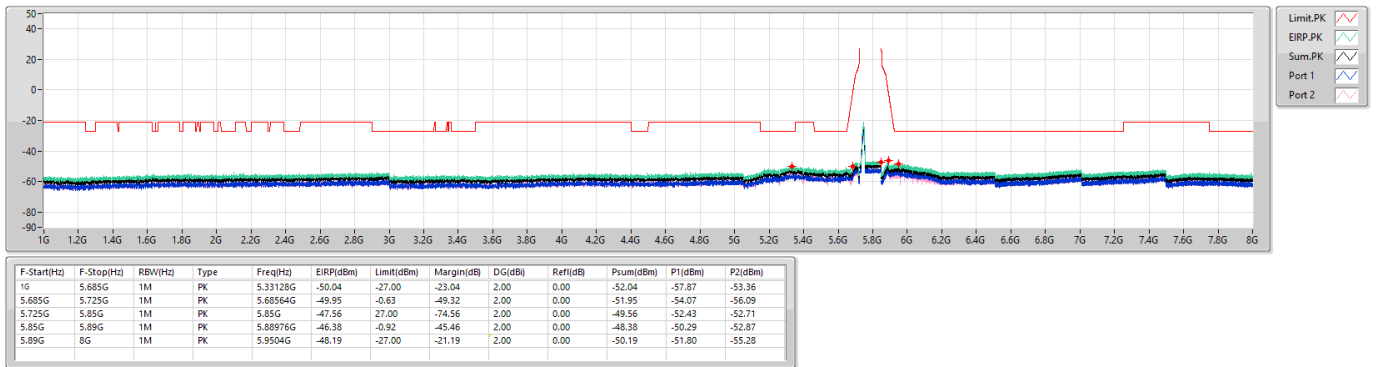
15/10/2022



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [PK]

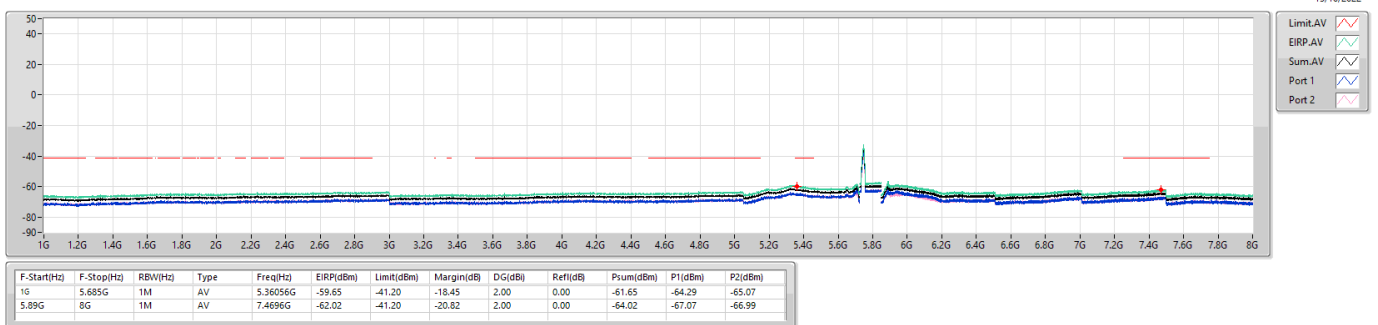
5745MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [AV]

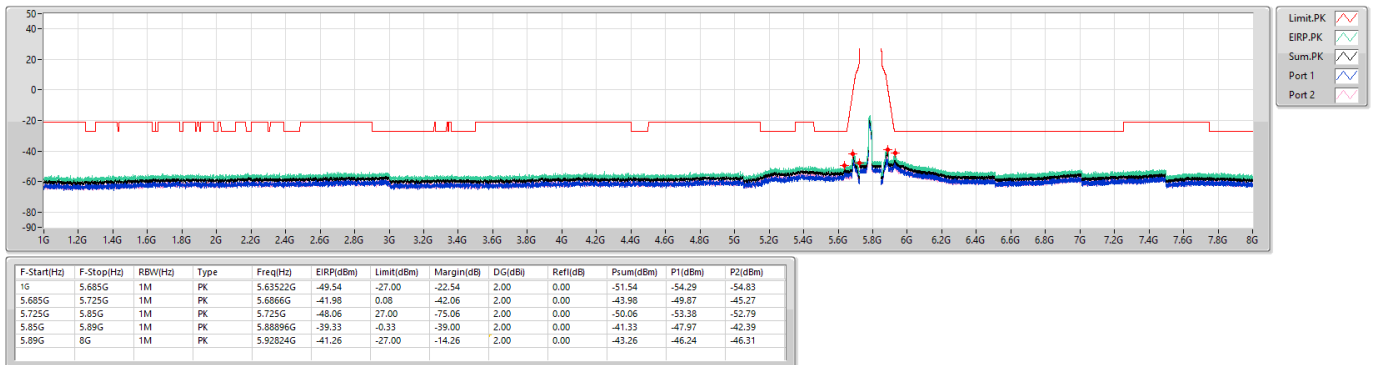
5745MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [PK]

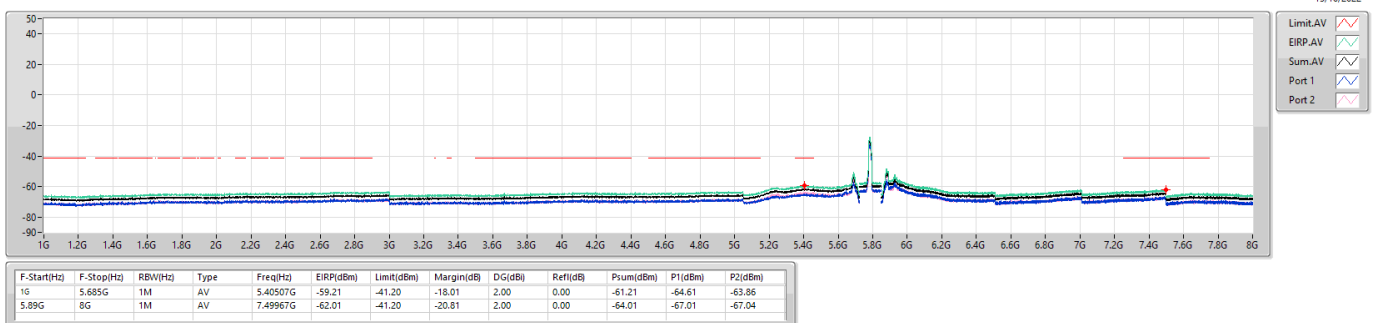
5785MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [AV]

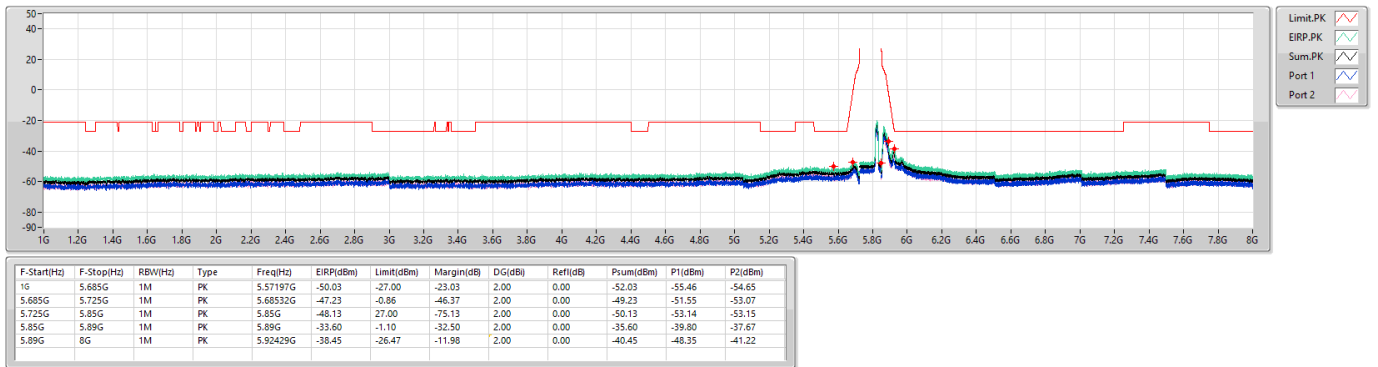
5785MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [PK]

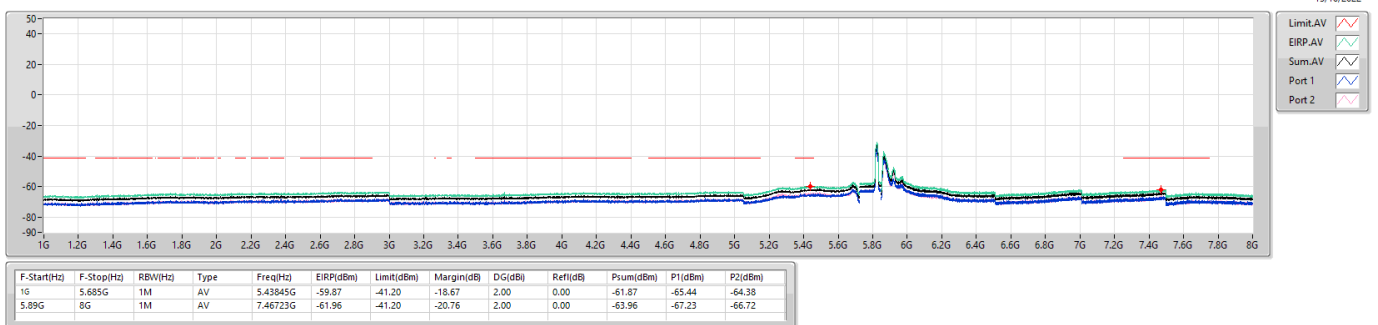
5825MHz



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [AV]

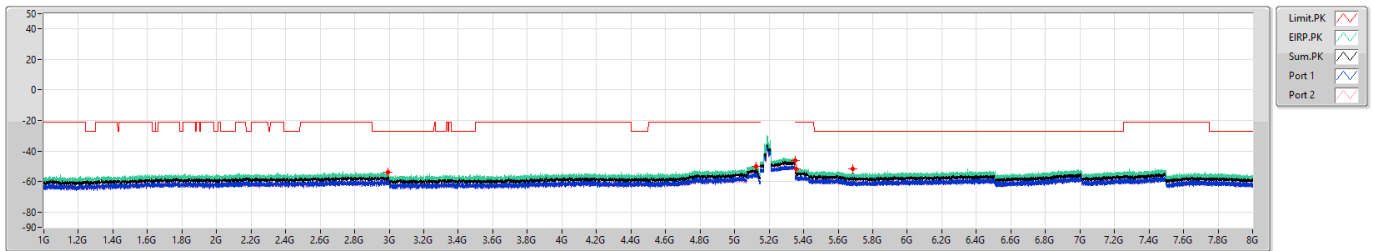
5825MHz



5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX 5190MHz

CSE Other [PK]

15/10/2022

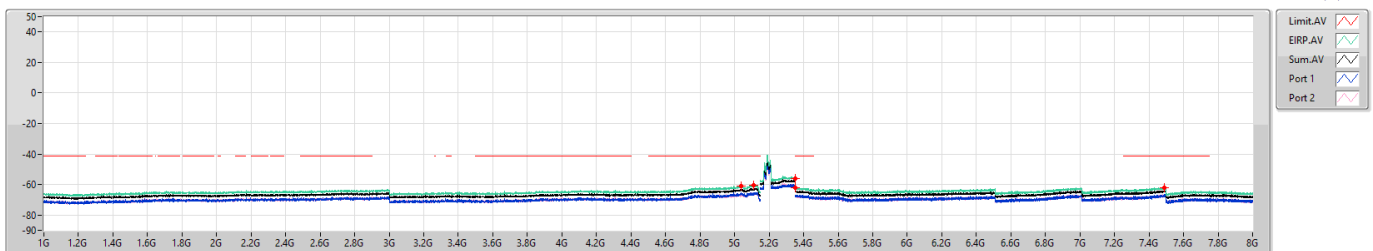


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref1(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.07G	1M	PK	2.99328G	-53.79	-27.00	-26.79	2.00	0.00	-55.79	-59.06	-58.55
5.07G	5.15G	1M	PK	5.12472G	-49.82	-21.20	-28.62	2.00	0.00	-51.82	-54.63	-55.04
5.15G	5.35G	1M	PK	5.35G	-46.07	-21.20	-24.87	2.00	0.00	-48.07	-51.40	-50.78
5.35G	5.43G	1M	PK	5.35704G	-51.88	-21.20	-30.68	2.00	0.00	-53.88	-55.54	-58.87
5.43G	8G	1M	PK	5.68282G	-51.77	-27.00	-24.77	2.00	0.00	-53.77	-60.95	-54.69

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX 5190MHz

CSE Other [AV]

15/10/2022



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref1(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.07G	1M	AV	5.03998G	-61.08	-41.20	-19.88	2.00	0.00	-63.08	-65.53	-66.74
5.07G	5.15G	1M	AV	5.10968G	-60.52	-41.20	-19.32	2.00	0.00	-62.52	-65.51	-65.55
5.15G	5.35G	1M	AV	5.35G	-56.13	-41.20	-14.93	2.00	0.00	-58.13	-60.77	-61.54
5.35G	5.43G	1M	AV	5.35112G	-62.27	-41.20	-21.07	2.00	0.00	-64.27	-67.26	-67.31
5.43G	8G	1M	AV	7.48729G	-62.00	-41.20	-20.80	2.00	0.00	-64.00	-66.95	-67.08

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX 5230MHz

CSE Other [PK]

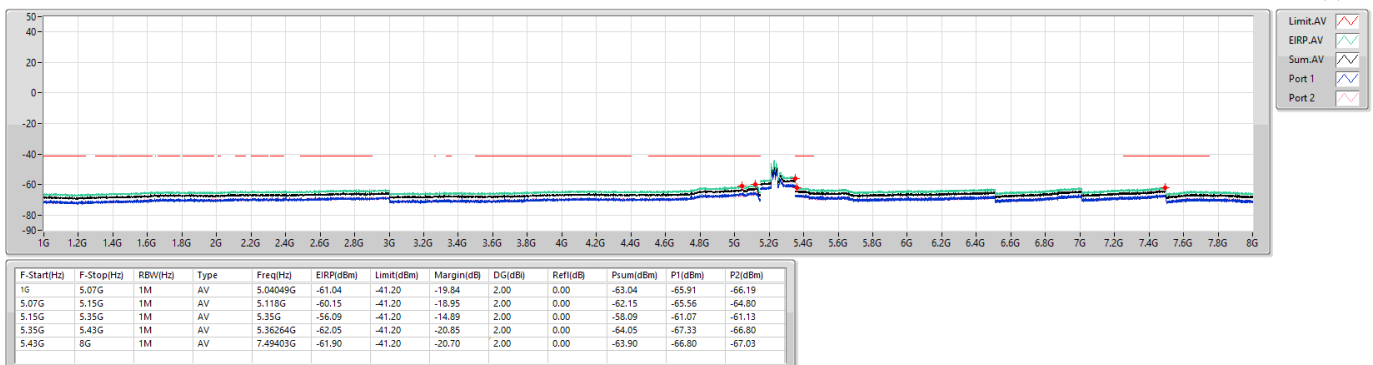
15/10/2022



5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX 5230MHz

CSE Other [AV]

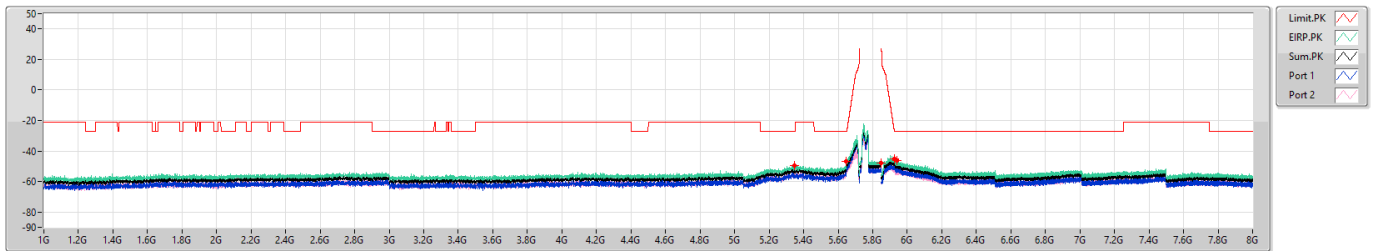
15/10/2022



5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [PK]

5755MHz

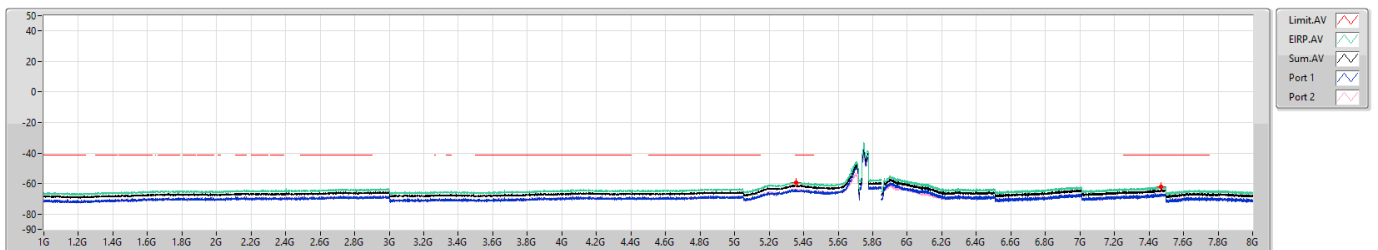


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref1(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.645G	1M	PK	5.34656G	-49.37	-27.00	-22.37	2.00	0.00	-51.37	-55.30	-53.62
5.645G	5.725G	1M	PK	5.64708G	-46.61	-27.00	-19.61	2.00	0.00	-48.61	-51.87	-51.39
5.725G	5.85G	1M	PK	5.85G	-48.05	27.00	-75.05	2.00	0.00	-50.05	-53.24	-53.88
5.85G	5.93G	1M	PK	5.92568G	-45.30	-27.00	-18.30	2.00	0.00	-47.30	-48.41	-53.76
5.93G	8G	1M	PK	5.94139G	-46.39	-27.00	-19.39	2.00	0.00	-48.39	-49.89	-53.73

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [AV]

5755MHz

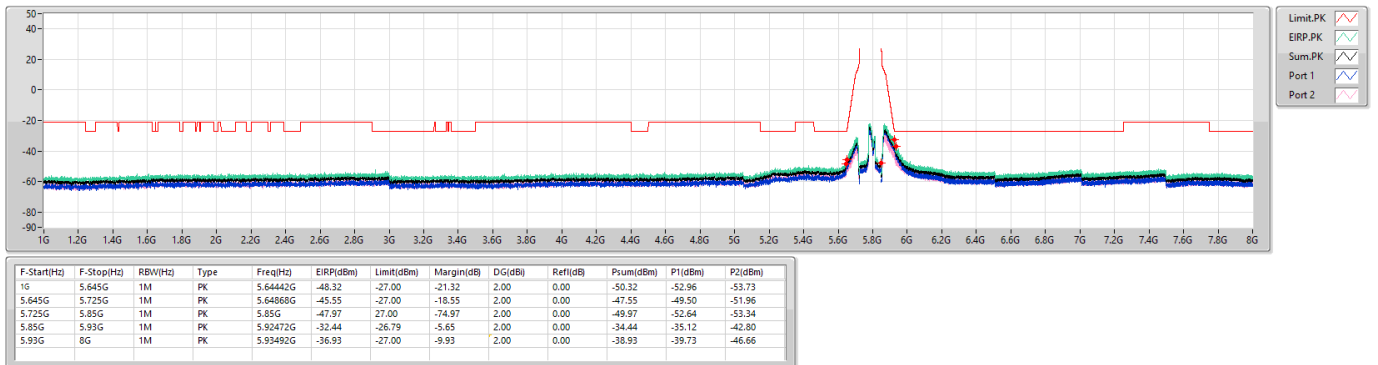


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref1(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	5.645G	1M	AV	5.35411G	-59.13	-41.20	-17.93	2.00	0.00	-61.13	-64.47	-63.84
5.93G	8G	1M	AV	7.47086G	-61.94	-41.20	-20.74	2.00	0.00	-63.94	-66.80	-67.10

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [PK]

5795MHz



5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [AV]

5795MHz

