



RADIO TEST REPORT

FCC ID : TLZ-XMA06
Equipment : IEEE 802.11 2X2 a/b/g/n/ac/ax WiFi 6/6E Wireless LAN + Bluetooth 5.3 LGA Module
Brand Name : AzureWave
Model Name : AW-XMA06-T
Applicant : AzureWave Technologies, Inc.
8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231
Manufacturer : AzureWave Technologies, Inc.
8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231
Standard : 47 CFR FCC Part 15.407

The product was received on Apr. 01, 2025, and testing was started from Apr. 28, 2025 and completed on Jul. 25, 2025. 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 C63.10-2020 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

Sportun International Inc. Hsinchu Laboratory

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History of this test report



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 EIRP Output Power	PASS	-
3.4	15.407(a)	EIRP Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5725-5895	a, n (HT20), ac (VHT20), ax (HEW20)	5845-5885	169-177 [3]
5725-5895	n (HT40), ac (VHT40), ax (HEW40)	5835-5875	167-175 [2]
5725-5895	ac (VHT80), ax (HEW80)	5855	171 [1]

Band	Mode	BWch	Nant
5.725-5.895GHz	802.11a	20	2TX
5.725-5.895GHz	802.11n HT20	20	2TX
5.725-5.895GHz	802.11n HT20-BF	20	2TX
5.725-5.895GHz	802.11ac VHT20	20	2TX
5.725-5.895GHz	802.11ac VHT20-BF	20	2TX
5.725-5.895GHz	802.11ax HEW20	20	2TX
5.725-5.895GHz	802.11ax HEW20-BF	20	2TX
5.725-5.895GHz	802.11n HT40	40	2TX
5.725-5.895GHz	802.11n HT40-BF	40	2TX
5.725-5.895GHz	802.11ac VHT40	40	2TX
5.725-5.895GHz	802.11ac VHT40-BF	40	4TX
5.725-5.895GHz	802.11ax HEW40	40	4TX
5.725-5.895GHz	802.11ax HEW40-BF	40	2TX
5.725-5.895GHz	802.11ac VHT80	80	2TX
5.725-5.895GHz	802.11ac VHT80-BF	80	2TX
5.725-5.895GHz	802.11ax HEW80	80	2TX
5.725-5.895GHz	802.11ax HEW80-BF	80	2TX

Note:

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



1.1.2 Antenna Information

Set	Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1~3	ARISTOTLE	RFA-27-JP326MHF4C198	PIFA	I-PEX	Note 1
2	1~3	ARISTOTLE	RFA-27-JP326-C198	PIFA	I-PEX	

Note 1:

Set	Ant.	Port	Gain (dBi)		
			WLAN 2.4GHz	Bluetooth	WLAN 5GHz / WLAN 6GHz
1	1	1	3.5	-	5
	2	2	3.5	-	5
	3	1	-	3.5	-
2	1	1	3.5	-	5
	2	2	3.5	-	5
	3	1	-	3.5	-

Note 2: The above information was declared by manufacturer.

Note 3: The EUT has two sets of antennas, each with three antennas. Because antenna sets 1 and 2 are the same type and gain, only antenna set 1 was tested.

Note 4:

For 2.4GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11ax (2TX/2RX):

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

Port 1 and Port 2 could transmit/receive simultaneously.

For Bluetooth function (1TX/1RX):

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



Note 5: 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 :

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

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

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

$$DG = 10 \log[(Nss1(g1,1) + Nss1(g1,2) + Nss1(g1,3) + Nss1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where ;

2.4G G1= 3.5 dBi ; G2= 3.5 dBi ; DG= 6.51dB

5G UNII-1 G1= 5 dBi ; G2= 5 dBi ; DG= 8.01dB

5G UNII-2A G1= 5 dBi ; G2= 5 dBi ; DG= 8.01dB

5G UNII-2C G1= 5 dBi ; G2= 5 dBi ; DG= 8.01dB

5G UNII-3 G1= 5 dBi ; G2= 5 dBi ; DG= 8.01dB

5G UNII-4 G1= 5 dBi ; G2= 5 dBi ; DG= 8.01dB

6G UNII-5 G1= 5 dBi ; G2= 5 dBi ; DG= 8.01dB

6G UNII-6 G1= 5 dBi ; G2= 5 dBi ; DG= 8.01dB

6G UNII-7 G1= 5 dBi ; G2= 5 dBi ; DG= 8.01dB

6G UNII-8 G1= 5 dBi ; G2= 5 dBi ; DG= 8.01dB



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF	T	VBW
		(dB)	(s)	(Hz)_1/T
802.11a_Nss 1,(6D)	0.993	0.03	1.435m	10Hz (DC>=0.98)
802.11ax HEW20_Nss 1,(M0)	0.995	0.02	1.048m	10Hz (DC>=0.98)
802.11ax HEW40_Nss 1,(M0)	0.986	0.06	555u	10Hz (DC>=0.98)
802.11ax HEW80_Nss 1,(M0)	0.978	0.1	297.5u	5k
802.11ax HEW20-BF_Nss 1,(M0)	0.995	0.02	1.048m	10Hz (DC>=0.98)
802.11ax HEW40-BF_Nss 1,(M0)	0.986	0.06	555u	10Hz (DC>=0.98)
802.11ax HEW80-BF_Nss 1,(M0)	0.978	0.1	297.5u	5k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From host system		
Beamforming Function	<input checked="" type="checkbox"/> With beamforming	<input type="checkbox"/> Without beamforming	
The product has beamforming function for n/VHT/ax in 2.4GHz, n/ac/ax in 5GHz and ax in 6GHz.			
Function	<input checked="" type="checkbox"/> Point-to-multipoint	<input type="checkbox"/> Point-to-point	
Device Type	<input type="checkbox"/> Indoor Access Point	<input type="checkbox"/> Subordinate	
<input checked="" type="checkbox"/> Indoor Client			
Channel Puncturing Function	<input type="checkbox"/> Supported Static Puncturing		
	<input type="checkbox"/> Supported Dynamic Puncturing (Reduce BW)		
	<input checked="" type="checkbox"/> Unsupported		
Support RU	<input checked="" type="checkbox"/> Full RU	<input type="checkbox"/> Partial RU	
Test Software Version	DutApiMimoApApp_LABTOOL_UNIFIED.exe		

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 C63.10-2020
- ♦ 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
- ♦ FCC KDB 291074 D02 v01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Brian Sun	21~22.6 / 61~61	May 09, 2025~ Jul. 02, 2025
Radiated (Below 1GHz)	03CH01-CB	Nyle Chang	21.3~22.3 / 58~61	Jul. 24, 2025~ Jul. 25, 2025
Radiated (Above 1GHz)	03CH01-CB	Nyle Chang	21.3~22.3 / 58~61	Apr. 28, 2025~ May 21, 2025
Radiated (Co-location)	03CH01-CB	Nyle Chang	21.3~22.3 / 58~61	Jul. 24, 2025~ Jul. 25, 2025
AC Conduction	CO01-CB	Gray Lee	22~23 / 58~60	Jun. 13, 2025



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 Date: Before May 28, 2025

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.1 %	Confidence levels of 95%

Test Date: After May 27, 2025

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.0 dB	Confidence levels of 95%
Bandwidth Measurement	1.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.11a_Nss1,(6Mbps)_2TX
5845MHz
5865MHz
5885MHz
802.11ax HEW20_Nss1,(MCS0)_2TX
5845MHz
5865MHz
5885MHz
802.11ax HEW40_Nss1,(MCS0)_2TX
5835MHz
5875MHz
802.11ax HEW80_Nss1,(MCS0)_2TX
5855MHz
802.11ax HEW20-BF_Nss1,(MCS0)_2TX
5845MHz
5865MHz
5885MHz
802.11ax HEW40-BF_Nss1,(MCS0)_2TX
5835MHz
5875MHz
802.11ax HEW80-BF_Nss1,(MCS0)_2TX
5855MHz

Note:

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

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



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT+WLAN 2.4GHz+Antenna set 1
2	EUT+Bluetooth+Antenna set 1
3	EUT+WLAN 5GHz+Antenna set 1
4	EUT+WLAN 6GHz+Antenna set 1
For operating mode 1 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum EIRP Output Power EIRP Power Spectral Density
Test Condition	Conducted measurement at transmit chains
1	EUT+Antenna set 1

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX After evaluating, the worst case axis was found as below from the Radiated emission above 1GHz. So the measurement will follow this same test configuration.
1	EUT in Z axis+WLAN 2.4GHz+Antenna set 1
2	EUT in Z axis+Bluetooth+Antenna set 1
3	EUT in X axis+WLAN 5GHz+Antenna set 1
4	EUT in X axis+WLAN 6GHz+Antenna set 1
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX After evaluating, the worst case axis was found as below. So the measurement will follow this same test configuration.
1	EUT in X axis+Antenna set 1



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link After evaluating, the worst case axis was found as below from the Radiated emission above 1GHz. So the measurement will follow this same test configuration.
1	EUT in X axis+Bluetooth+WLAN 2.4GHz+Antenna set 1
2	EUT in X axis+Bluetooth+WLAN 5GHz+Antenna set 1
3	EUT in X axis+Bluetooth+WLAN 6GHz+Antenna set 1
For operating mode 1 is the worst case and it was record in this test report.	
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT+Bluetooth+WLAN 2.4GHz+Antenna set 1
2	EUT+Bluetooth+WLAN 5GHz+Antenna set 1
3	EUT+Bluetooth+WLAN 6GHz+Antenna set 1
Refer to Sporton Test Report No.: FA521125 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	Lenovo	X260	N/A
B	Earphone	SHYARO CHI	MIC-04	N/A
C	Mouse	Logitech	M-U0026	N/A
D	Fixture	Azurewave	2460-i11	N/A
E	Fixture	Azurewave	2A06-I3	N/A

For Radiated:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Fixture	Azurewave	2460-i11	N/A
B	Fixture	Azurewave	2A06-I3	N/A
C	NB	DELL	E4300	N/A

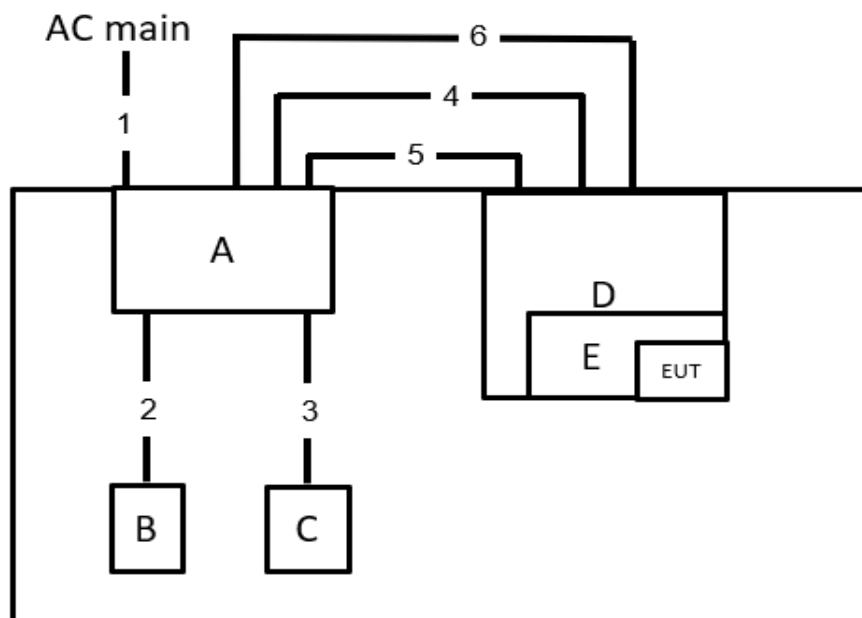
For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Fixture	Azurewave	2A06-I3	N/A
C	Fixture	Azurewave	2460-i11	N/A



2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test

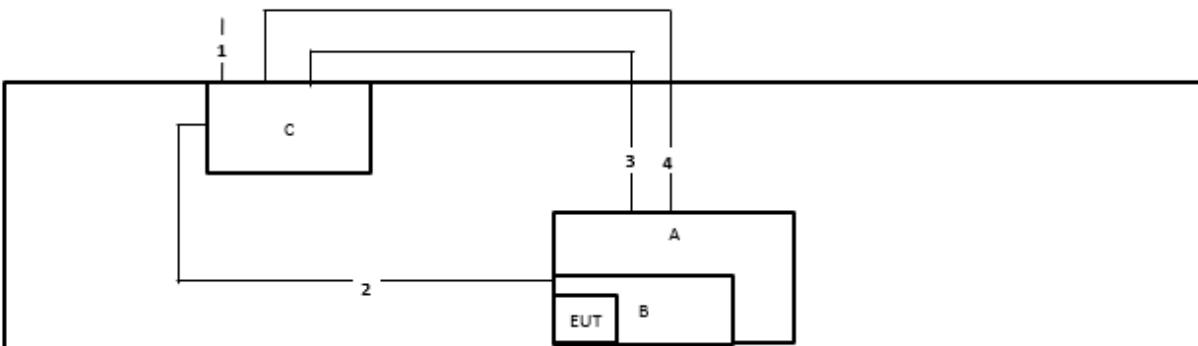


Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	Audio cable	No	1.2m
3	USB cable	Yes	1.8m
4	Type C USB cable	Yes	1.8m
5	Micro USB cable	Yes	1.5m
6	RJ-45 cable	No	1.5m



Test Setup Diagram - Radiated Test

AC MAIN



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	USB to Type C cable	Yes	0.3m
3	USB to Micro cable	Yes	0.7m
4	RJ-45 cable	No	1.5m



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.

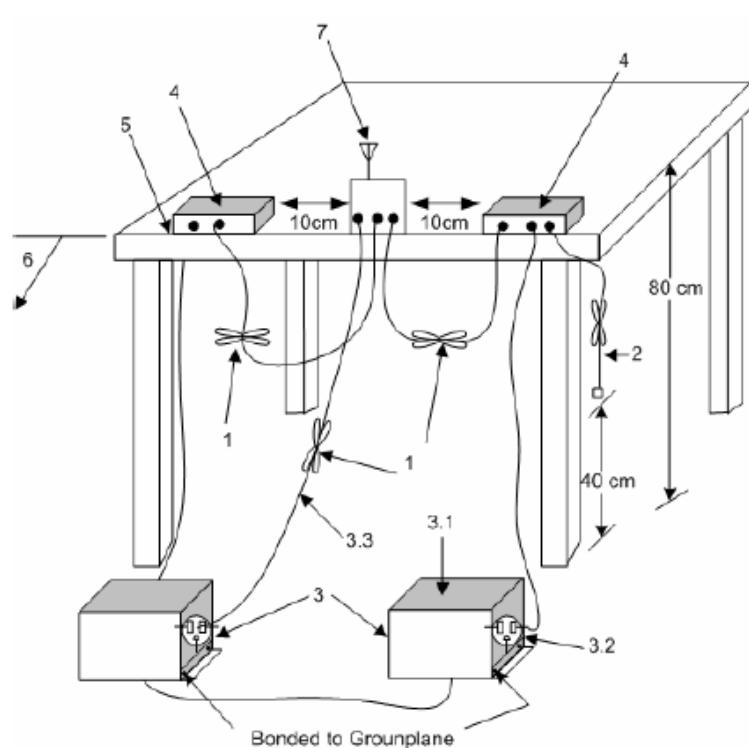
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2020, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



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

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A



3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
<input checked="" type="checkbox"/>	For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth \geq 500kHz.
LE-LAN Devices	
<input type="checkbox"/>	For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth \geq 500kHz.

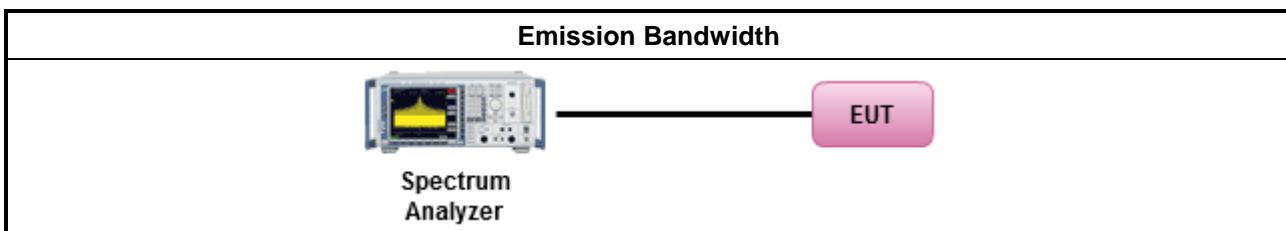
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
<input type="checkbox"/>	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 EIRP Output Power

3.3.1 Limit

Maximum EIRP Output Power Limit	
UNII Devices	
<input checked="" type="checkbox"/>	For the 5.85-5.895 GHz band:
	<ul style="list-style-type: none">▪ Indoor AP & subordinate device < 36 dBm▪ Client device < 30 dBm
LE-LAN Devices	
<input type="checkbox"/>	For the 5.85-5.895 GHz band:
	<ul style="list-style-type: none">▪ Indoor AP & subordinate device < 36 dBm▪ Indoor client device < 30 dBm▪ Fixed outdoor AP device < 36 dBm▪ Fixed outdoor client device < 30 dBm



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
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	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
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
<input checked="" type="checkbox"/>	For conducted measurement.
	<ul style="list-style-type: none">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]) $EIRP_{total} = P_{total} + DG$
<input type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none">Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup

Conducted Measurement (Power Meter)

3.3.5 Test Result of Maximum EIRP Output Power

Refer as Appendix C



3.4 EIRP Power Spectral Density

3.4.1 Limit

EIRP Power Spectral Density Limit	
UNII Devices	
<input checked="" type="checkbox"/>	For the 5.85-5.895 GHz band:
	<ul style="list-style-type: none">▪ Indoor AP & subordinate device < 20dBm/MHz▪ Client device < 14dBm/MHz
LE-LAN Devices	
<input type="checkbox"/>	For the 5.85-5.895 GHz band:
	<ul style="list-style-type: none">▪ Indoor AP & subordinate device < 20 dBm/MHz▪ Indoor client device < 14 dBm/MHz▪ Fixed outdoor AP device < 23 dBm/MHz▪ Fixed outdoor client device < 17 dBm/MHz

3.4.2 Measuring Instruments

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

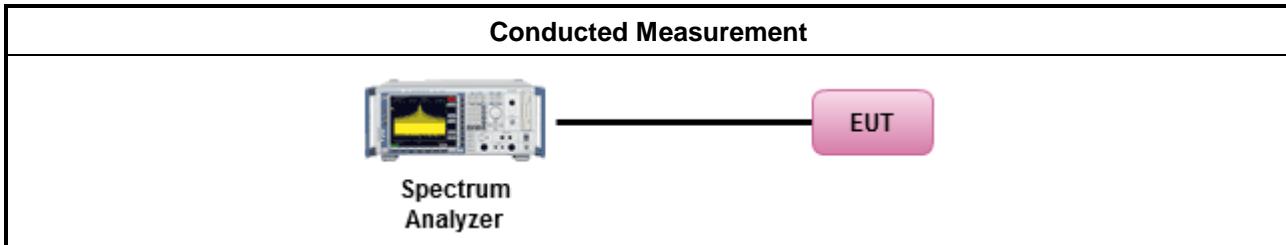


3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none">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:	
<p><input type="checkbox"/> 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</p> <p>[duty cycle \geq 98% or external video / power trigger]</p> <p><input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).</p> <p><input type="checkbox"/> Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)</p> <p>duty cycle $<$ 98% and average over on/off periods with duty factor</p> <p><input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).</p> <p><input type="checkbox"/> Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)</p>	
<p><input checked="" type="checkbox"/> For conducted measurement.</p>	
<ul style="list-style-type: none">If the EUT supports multiple transmit chains using options given below:	<p><input checked="" type="checkbox"/> 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.</p> <p><input type="checkbox"/> 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,</p> <p><input type="checkbox"/> 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.</p>
<ul style="list-style-type: none">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]) $EIRP_{total} = PPSD_{total} + DG$	<p><input type="checkbox"/> For radiated measurement.</p> <p><input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"</p> <p><input checked="" type="checkbox"/> Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</p> <p><input checked="" type="checkbox"/> Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.</p>



3.4.4 Test Setup



3.4.5 Test Result of EIRP 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
<input checked="" type="checkbox"/> UNII Devices 5.85 - 5.895 GHz	<p>(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of -7 dBm/MHz at or above 5.925 GHz.</p> <p>(ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz.</p> <p>(iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.</p>
<input type="checkbox"/> LE-LAN Devices 5.85 - 5.895 GHz	<p>(i) Fixed outdoor access points and fixed outdoor client devices shall not exceed -27 dBm/MHz e.i.r.p. spectral density at or above the 5895 MHz band edge.</p> <p>(ii) Indoor access points or indoor subordinate devices shall not exceed 15 dBm/MHz e.i.r.p. spectral density at the 5895 MHz band edge and shall decrease linearly to not exceed -7 dBm/MHz e.i.r.p. spectral density at or above 5925 MHz.</p> <p>(iii) Client devices shall not exceed -5 dBm/MHz e.i.r.p. spectral density at the 5895 MHz band edge and shall decrease linearly to not exceed -27 dBm/MHz e.i.r.p. spectral density at or above 5925 MHz.</p>

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

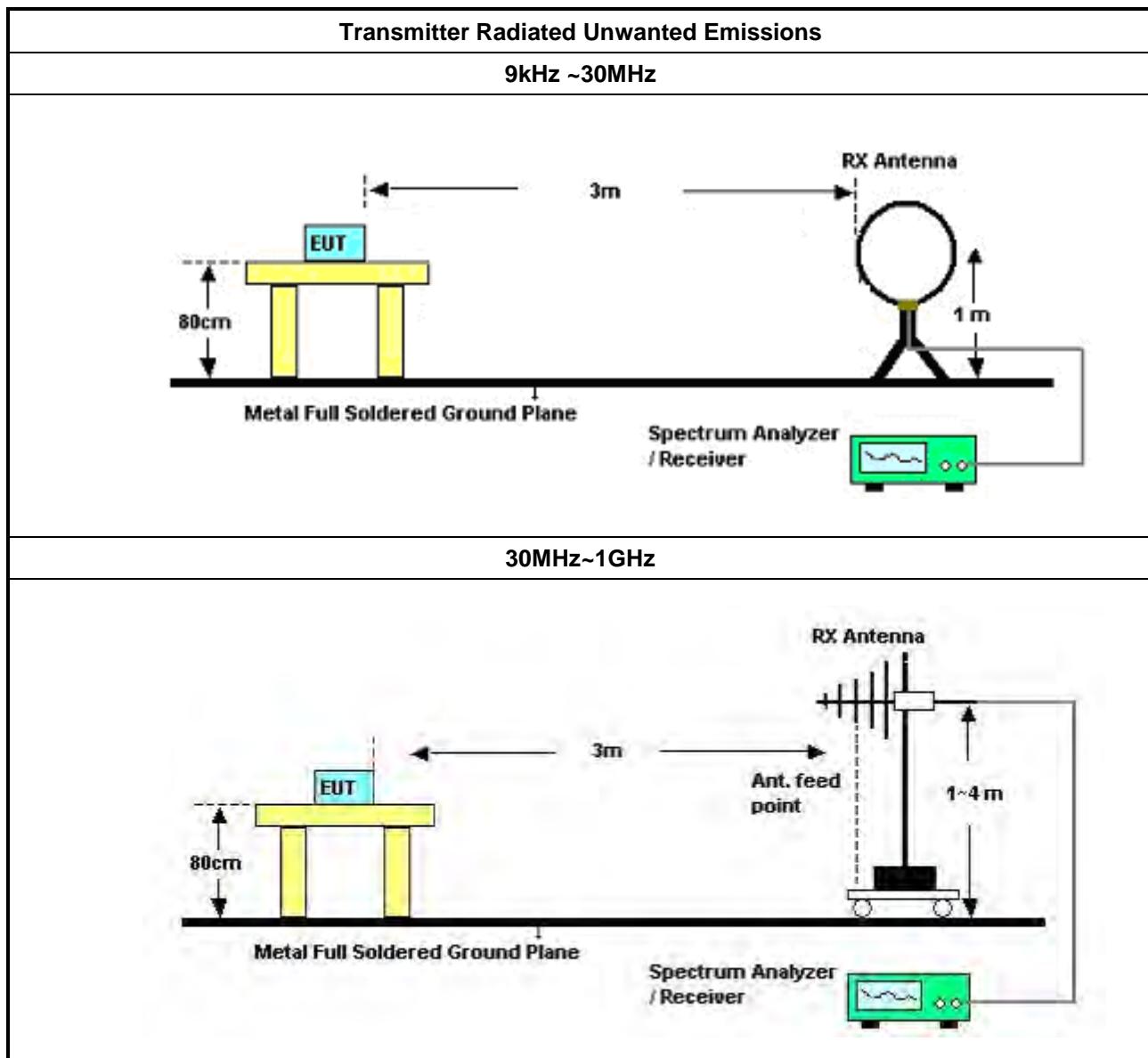
Refer a test equipment and calibration data table in this test report.

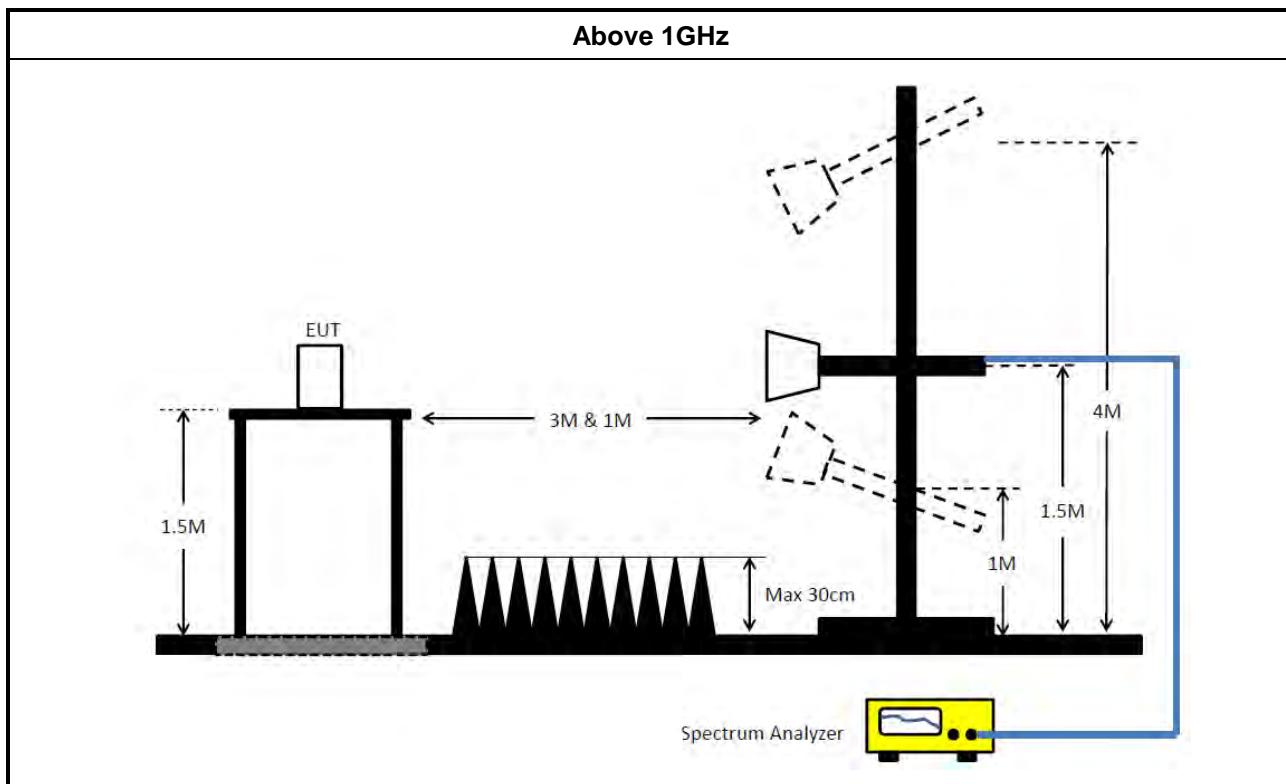


3.5.3 Test Procedures

Test Method	
<ul style="list-style-type: none">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).	
<ul style="list-style-type: none">The average emission levels shall be measured in [duty cycle \geq 98 or duty factor].	
<ul style="list-style-type: none">For the transmitter unwanted emissions shall be measured using following options below:	
<ul style="list-style-type: none">Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.	
<ul style="list-style-type: none">Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.	
	<input type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). $VBW \geq 1/T$, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
<ul style="list-style-type: none">For radiated measurement.	
	<ul style="list-style-type: none">Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	<ul style="list-style-type: none">Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	<ul style="list-style-type: none">Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
<ul style="list-style-type: none">The any unwanted emissions level shall not exceed the fundamental emission level.	
<ul style="list-style-type: none">All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 06, 2025	Mar. 05, 2026	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 18, 2025	Feb. 17, 2026	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	May 10, 2025	May 09, 2026	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	CO01	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 17, 2024	Oct. 16, 2025	Radiation (03CH01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 16, 2025	Jan. 15, 2026	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 04, 2024	May 03, 2025	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 03, 2025	May 02, 2026	Radiation (03CH01-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz	Oct. 18, 2024	Oct. 17, 2025	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH01-CB)
Amplifier	Agilent	8447D	2944A10259	30M~1GHz	Jan. 07, 2025	Jan. 06, 2026	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 17, 2024	May 16, 2025	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 16, 2025	May 15, 2026	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Dec. 12, 2024	Dec. 11, 2025	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-31+32	30 MHz ~ 1 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)



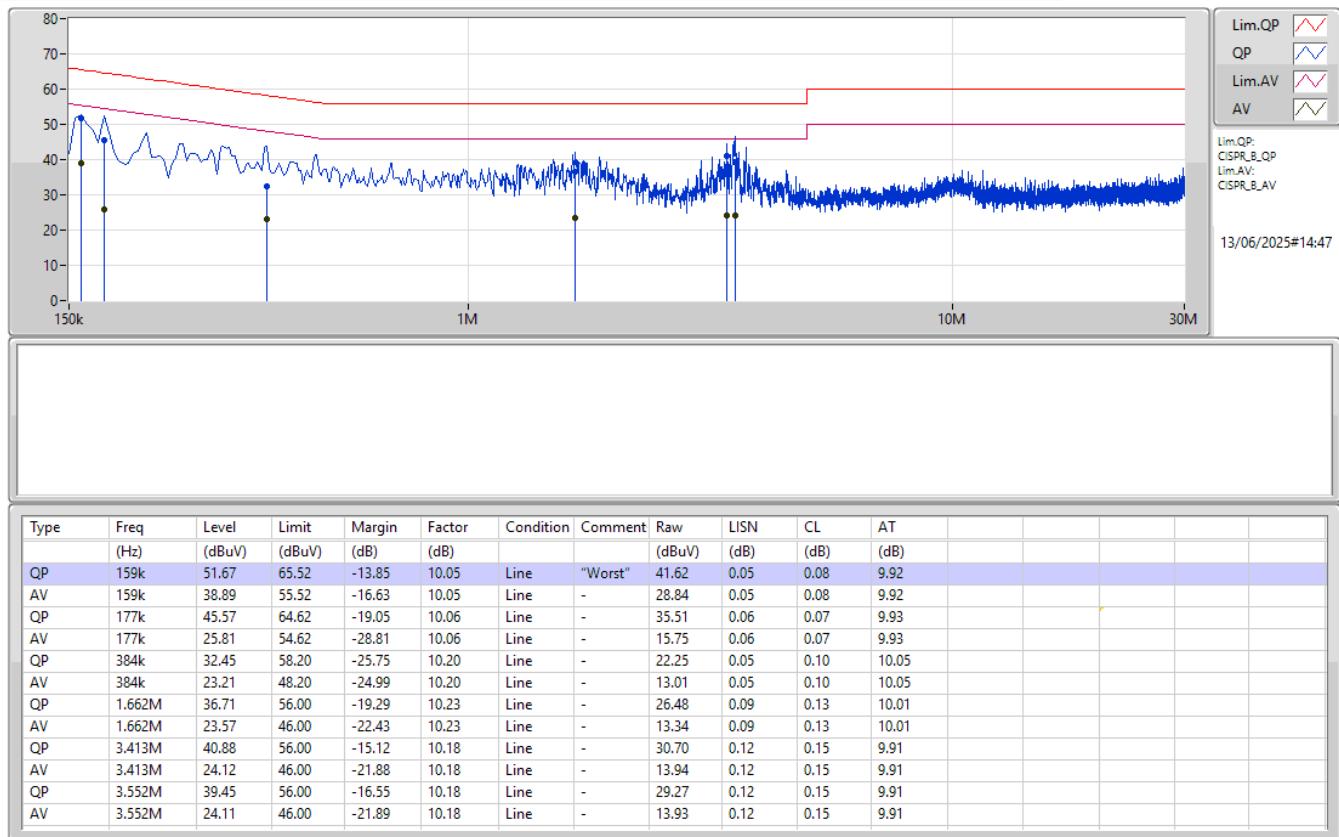
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 25	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 02, 2025	Jan. 01, 2026	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1~18GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH03-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 25	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Conducted (TH03-CB)

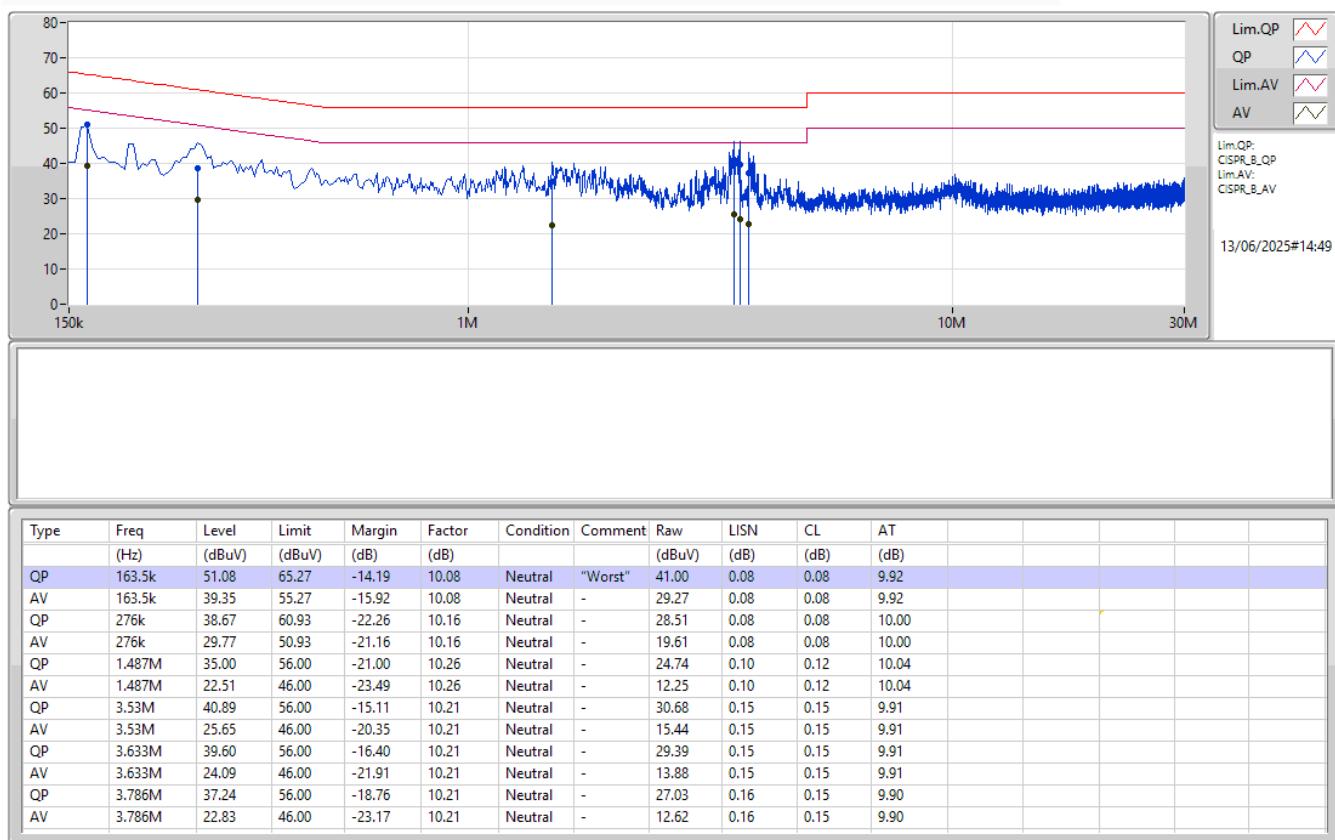
Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	159k	51.67	65.52	-13.85	Line

Mode 1


Mode 1


**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.895GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.555M	16.882M	16M9D1D	16.28M	16.524M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.645M	18.959M	19M0D1D	16.94M	18.699M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.62M	37.898M	37M9D1D	35.2M	37.576M
802.11ax HEW80_Nss1,(MCS0)_2TX	78.1M	78.086M	78M1D1D	77.66M	77.553M

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;

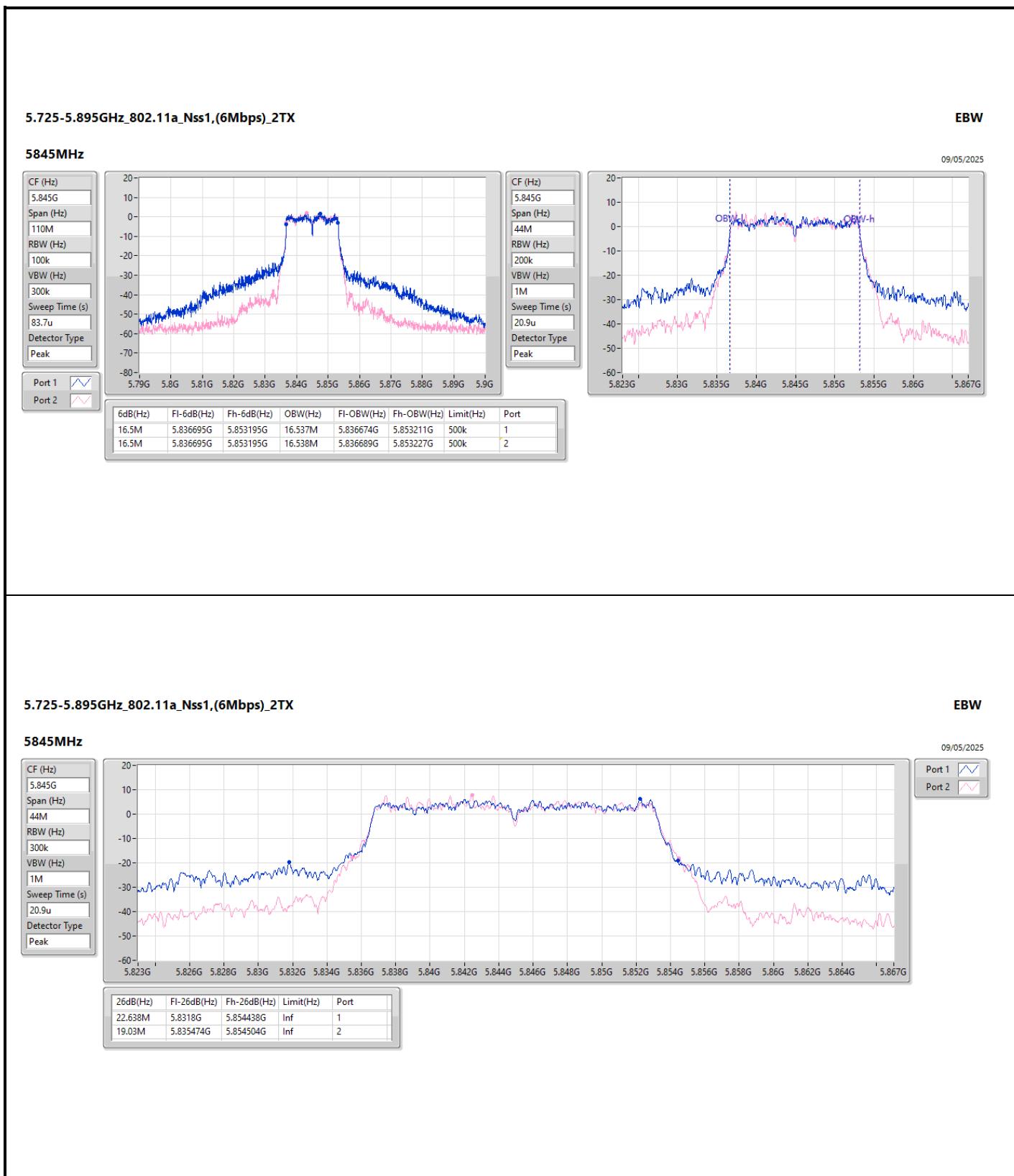
Min-OBW = Minimum 99% occupied bandwidth

**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	-	-	-	-	-	-
5845MHz	Pass	500k	16.5M	16.537M	16.5M	16.538M
5865MHz	Pass	500k	16.555M	16.747M	16.28M	16.571M
5885MHz	Pass	500k	16.555M	16.882M	16.335M	16.524M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5845MHz	Pass	500k	16.94M	18.945M	18.37M	18.742M
5865MHz	Pass	500k	18.645M	18.831M	18.205M	18.711M
5885MHz	Pass	500k	16.995M	18.959M	18.59M	18.699M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5835MHz	Pass	500k	35.2M	37.704M	36.19M	37.576M
5875MHz	Pass	500k	36.96M	37.898M	37.62M	37.798M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5855MHz	Pass	500k	78.1M	78.086M	77.66M	77.553M

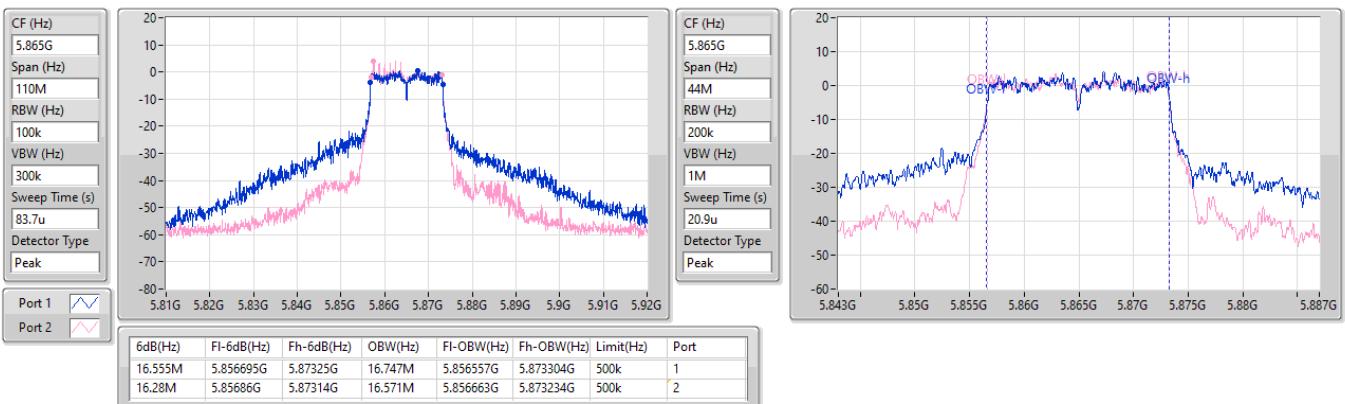
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

Port X-OBW = Port X 99% occupied bandwidth

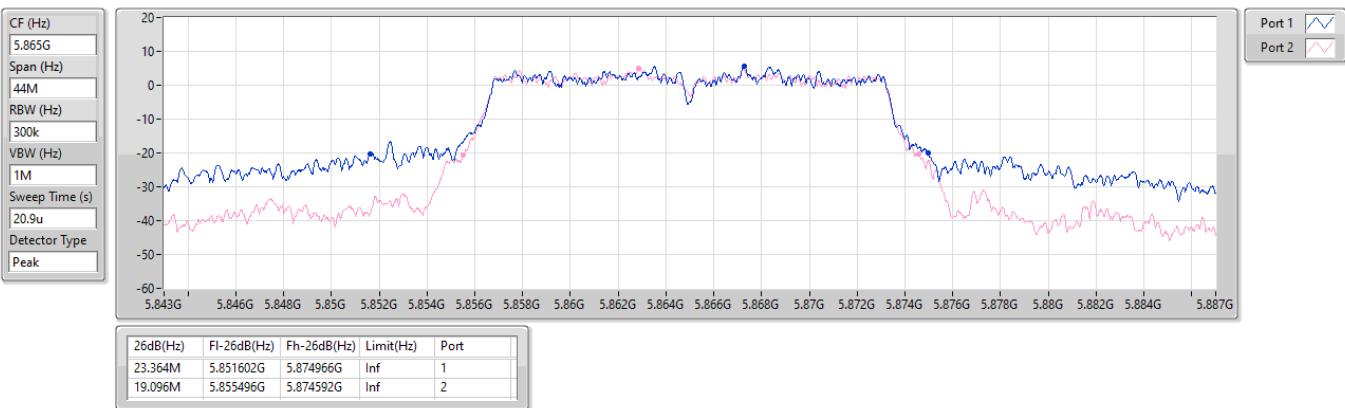


5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5865MHz

09/05/2025

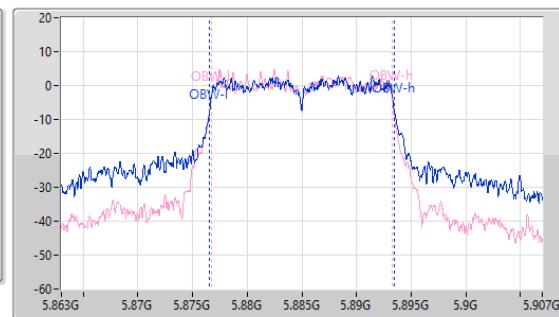
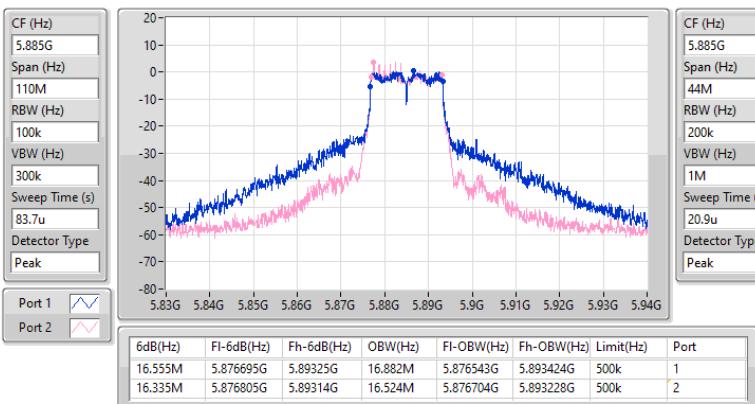

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5865MHz

09/05/2025

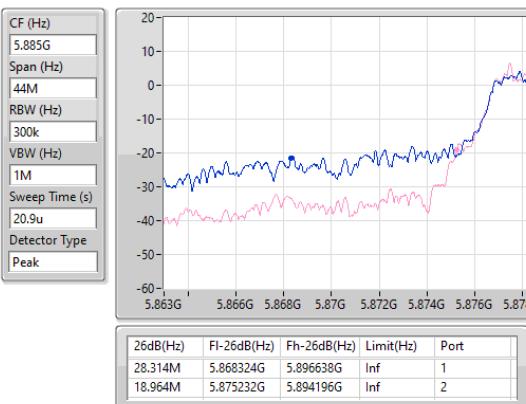


5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5885MHz

09/05/2025


5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5885MHz

09/05/2025

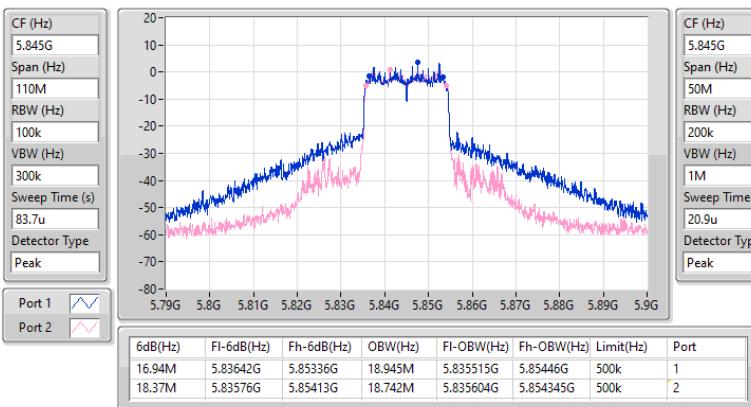


5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5845MHz

09/05/2025

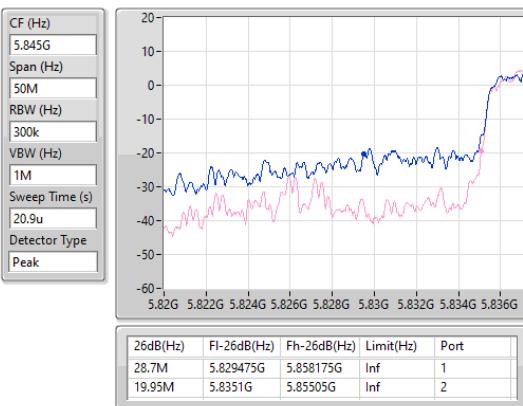


5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5845MHz

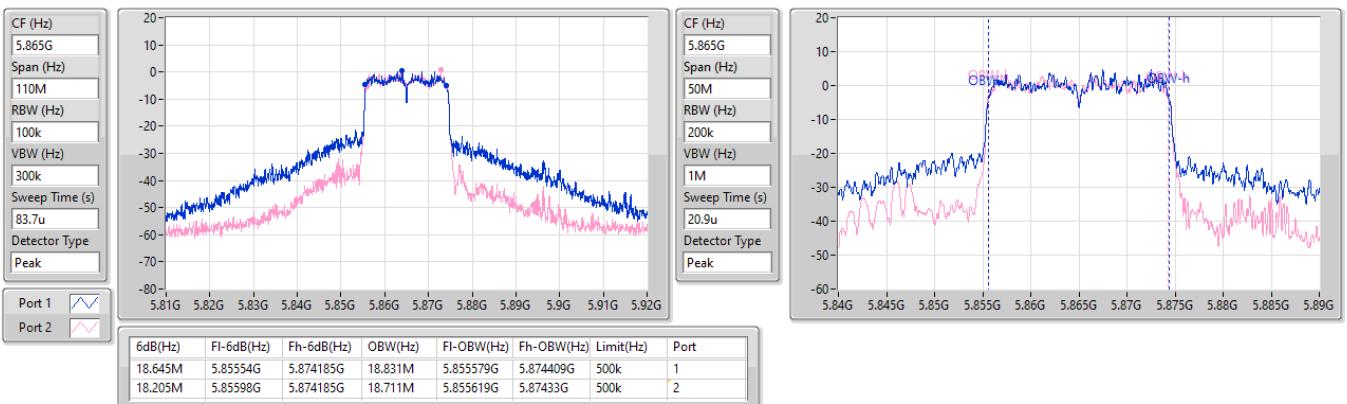
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5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

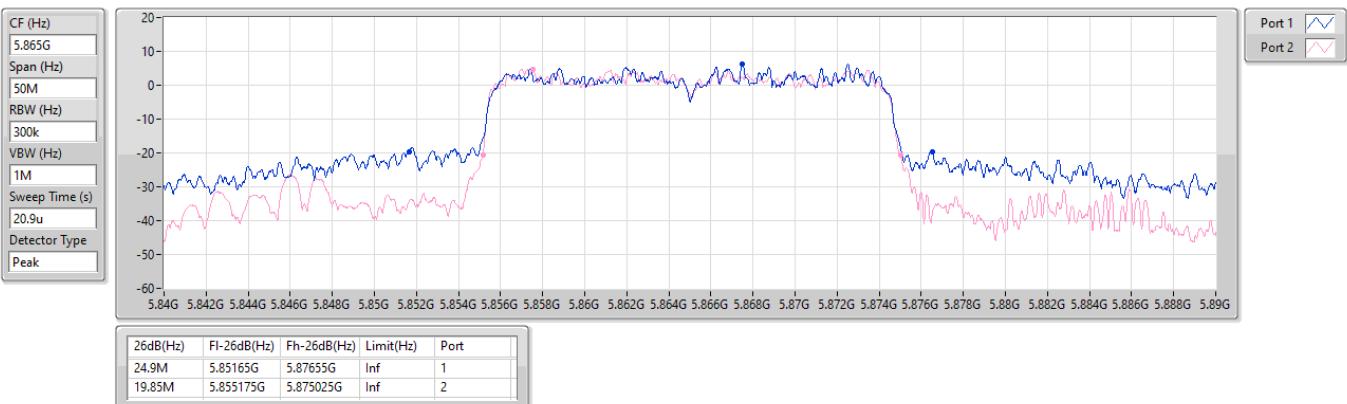
5865MHz



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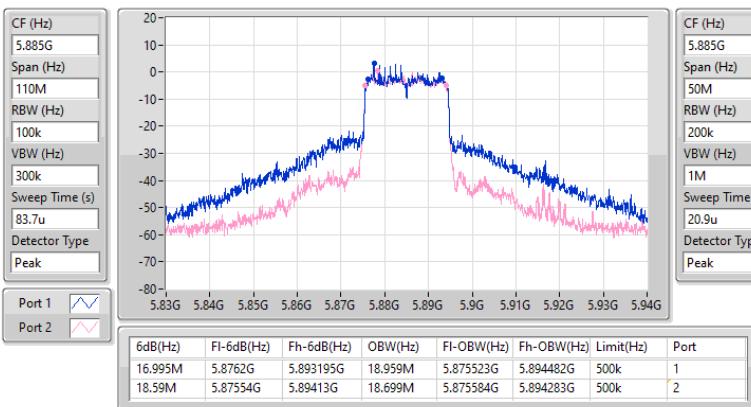
EBW

5865MHz

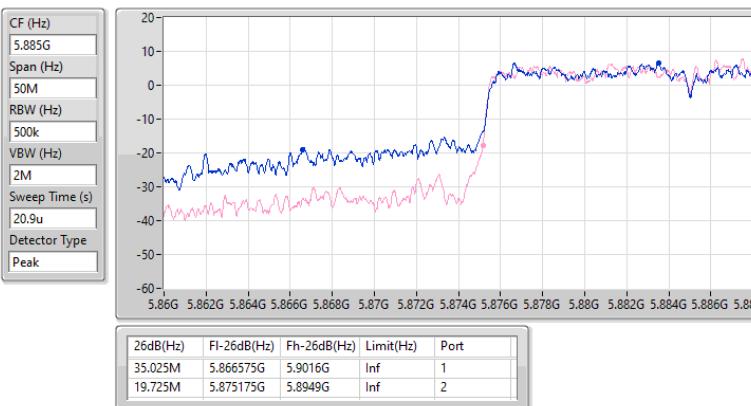


5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5885MHz

09/05/2025

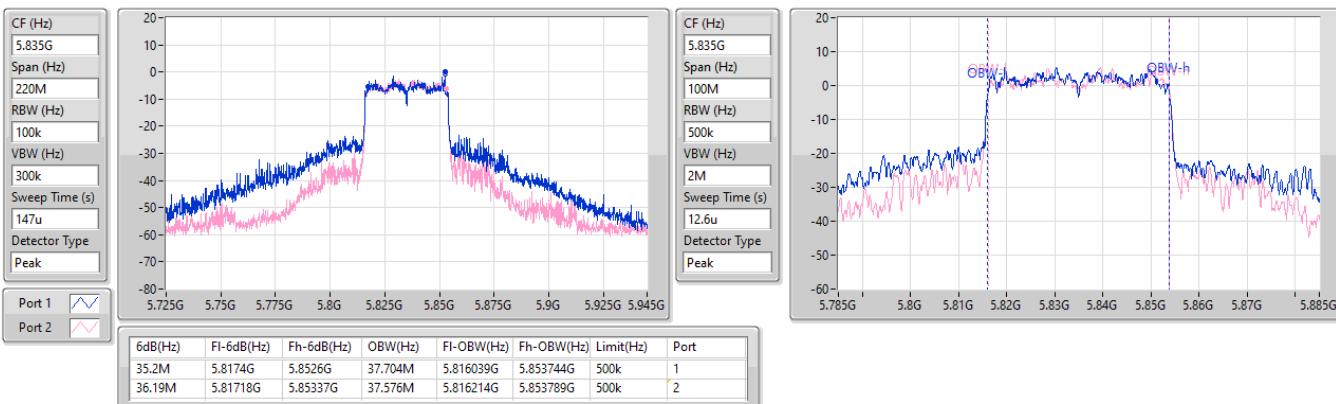

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5885MHz

09/05/2025

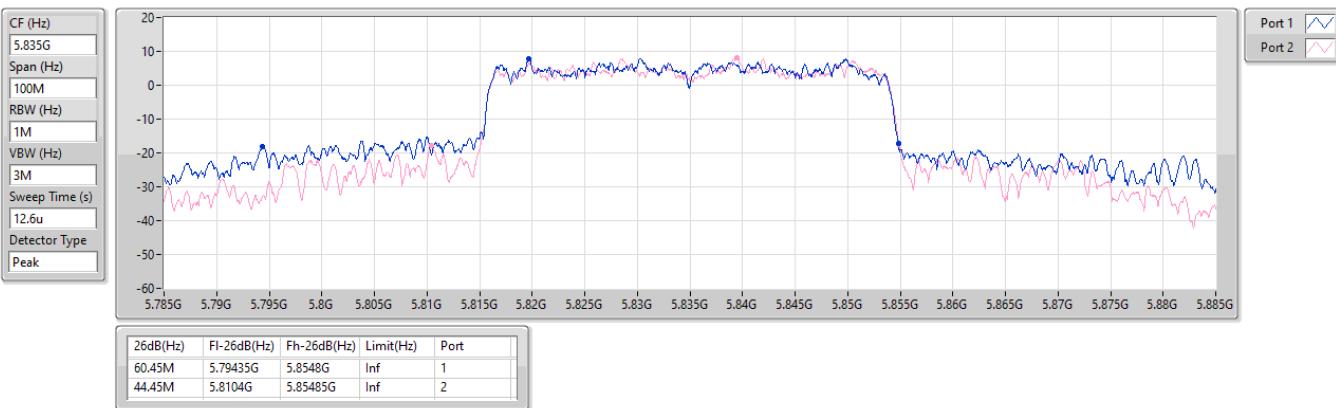


5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5835MHz

09/05/2025

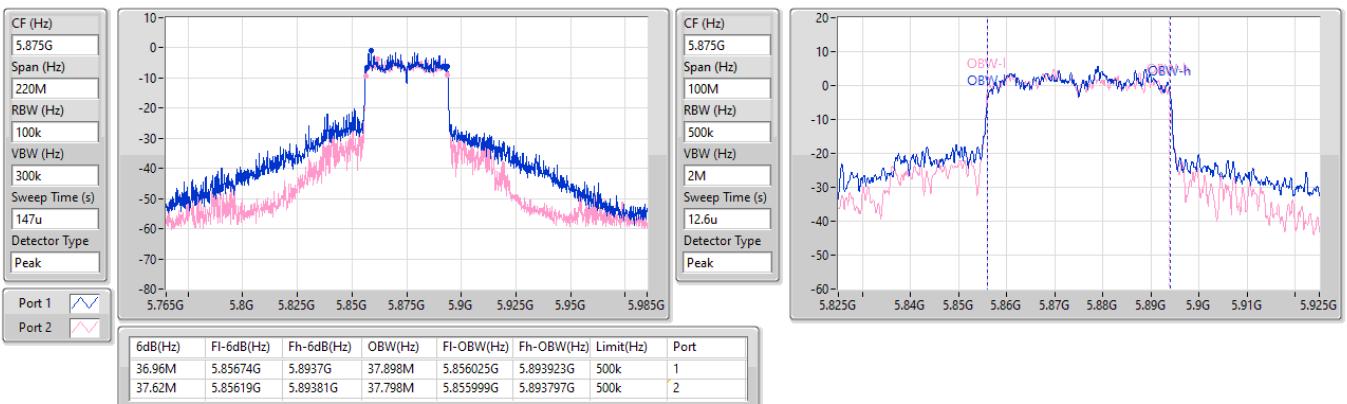

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5835MHz

09/05/2025

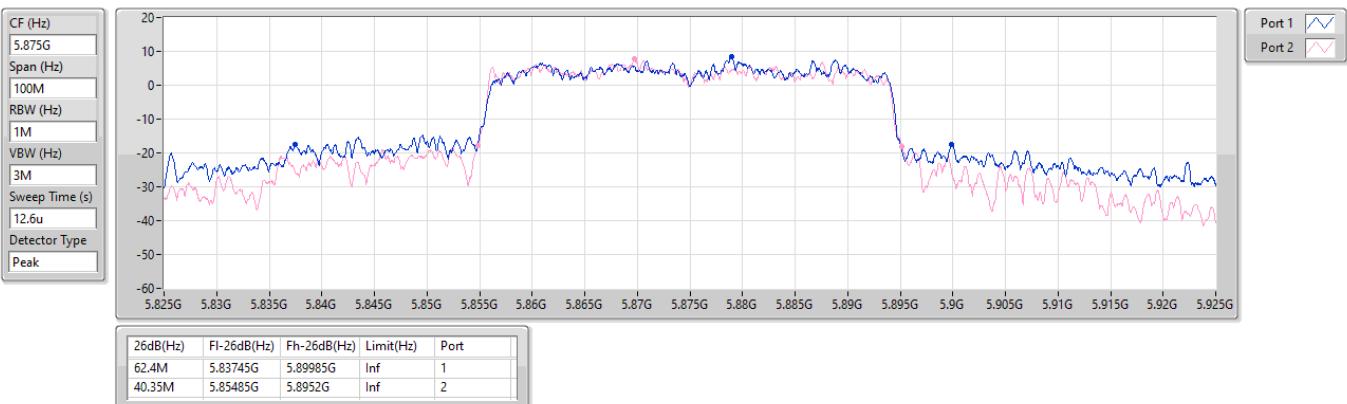


5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5875MHz

09/05/2025

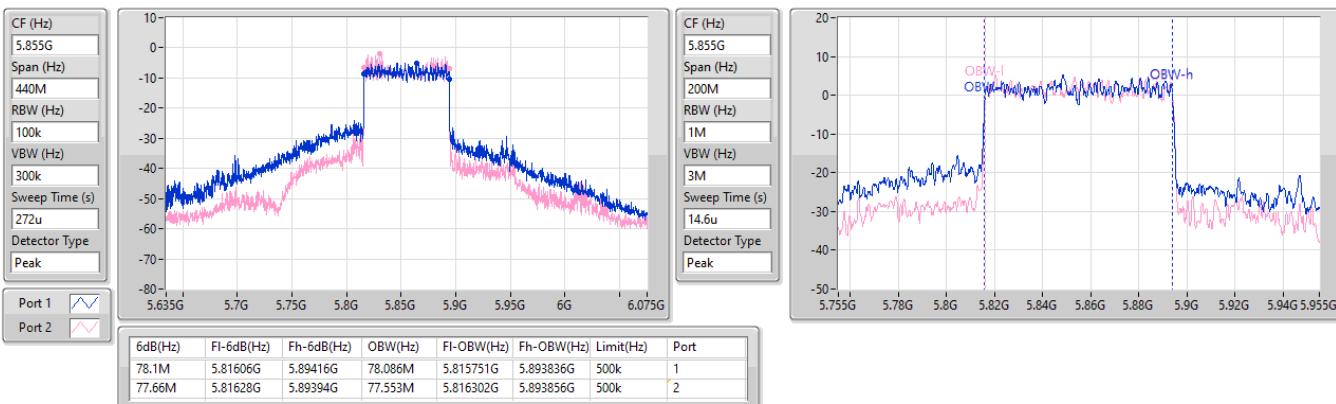

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5875MHz

09/05/2025

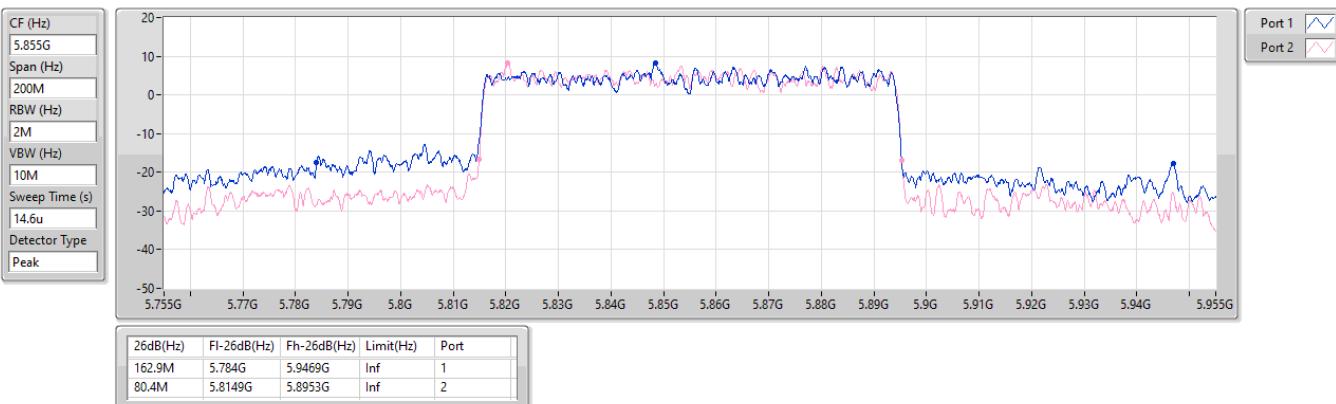


5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5855MHz

09/05/2025


5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
EBW
5855MHz

09/05/2025



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.725-5.895GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.23	0.08375	24.23	0.26485
802.11ax HEW20_Nss1,(MCS0)_2TX	18.04	0.06368	23.04	0.20137
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.04	0.06368	26.05	0.40272
802.11ax HEW40_Nss1,(MCS0)_2TX	17.93	0.06209	22.93	0.19634
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	17.93	0.06209	25.94	0.39264
802.11ax HEW80_Nss1,(MCS0)_2TX	17.76	0.05970	22.76	0.18880
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	17.76	0.05970	25.77	0.37757

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-
5845MHz	Pass	5.00	16.10	16.33	19.23	24.23	30.00
5865MHz	Pass	5.00	15.15	15.27	18.22	23.22	30.00
5885MHz	Pass	5.00	14.93	14.89	17.92	22.92	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5845MHz	Pass	5.00	15.02	15.04	18.04	23.04	30.00
5865MHz	Pass	5.00	14.83	14.90	17.88	22.88	30.00
5885MHz	Pass	5.00	14.71	14.58	17.66	22.66	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5835MHz	Pass	5.00	14.98	14.85	17.93	22.93	30.00
5875MHz	Pass	5.00	14.61	14.52	17.58	22.58	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5855MHz	Pass	5.00	14.75	14.74	17.76	22.76	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5845MHz	Pass	8.01	15.02	15.04	18.04	26.05	30.00
5865MHz	Pass	8.01	14.83	14.90	17.88	25.89	30.00
5885MHz	Pass	8.01	14.71	14.58	17.66	25.67	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5835MHz	Pass	8.01	14.98	14.85	17.93	25.94	30.00
5875MHz	Pass	8.01	14.61	14.52	17.58	25.59	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5855MHz	Pass	8.01	14.75	14.74	17.76	25.77	30.00

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

Inf = There's no restriction for the limit.

**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.725-5.895GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	5.89	13.90
802.11ax HEW20_Nss1,(MCS0)_2TX	4.47	12.48
802.11ax HEW40_Nss1,(MCS0)_2TX	1.51	9.52
802.11ax HEW80_Nss1,(MCS0)_2TX	-1.52	6.49

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



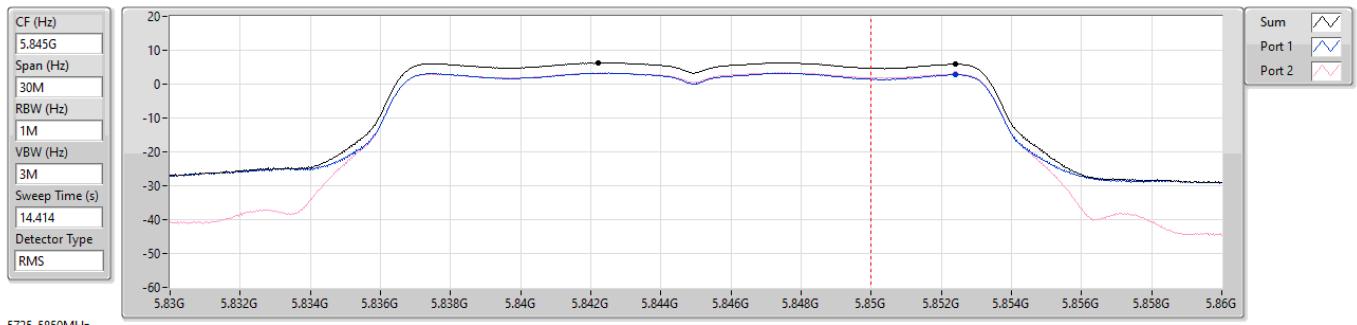
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5845MHz	Pass	8.01	2.73	3.02	5.89	Inf	13.90	14.00
5865MHz	Pass	8.01	2.29	2.33	5.32	Inf	13.33	14.00
5885MHz	Pass	8.01	2.09	1.91	5.01	Inf	13.02	14.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5845MHz	Pass	8.01	1.27	1.52	4.37	Inf	12.38	14.00
5865MHz	Pass	8.01	1.40	1.54	4.47	Inf	12.48	14.00
5885MHz	Pass	8.01	1.33	1.12	4.23	Inf	12.24	14.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5835MHz	Pass	8.01	-1.54	-1.47	1.51	Inf	9.52	14.00
5875MHz	Pass	8.01	-1.65	-1.79	1.28	Inf	9.29	14.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5855MHz	Pass	8.01	-4.59	-4.48	-1.52	Inf	6.49	14.00

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

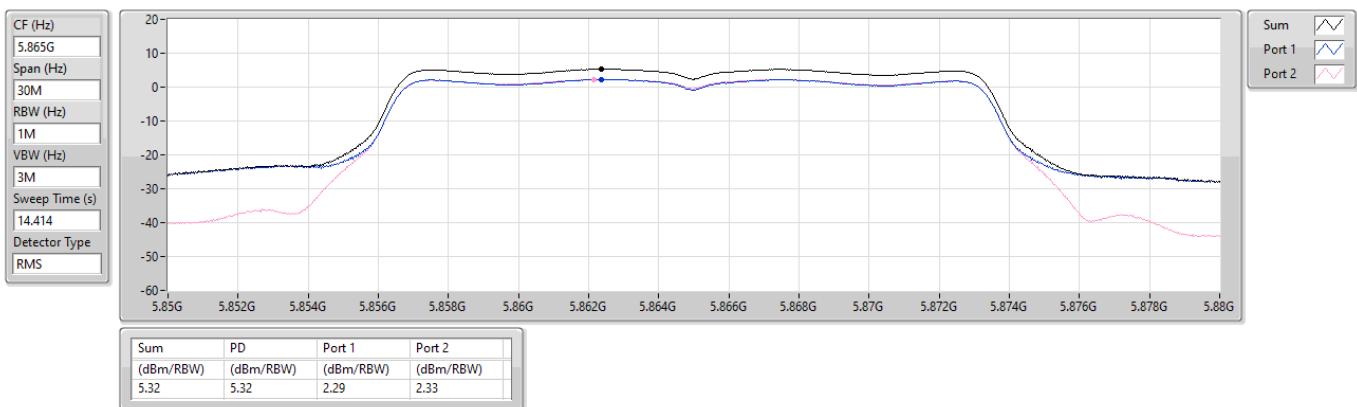
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

Inf = There's no restriction for the limit.

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
PSD
5845MHz


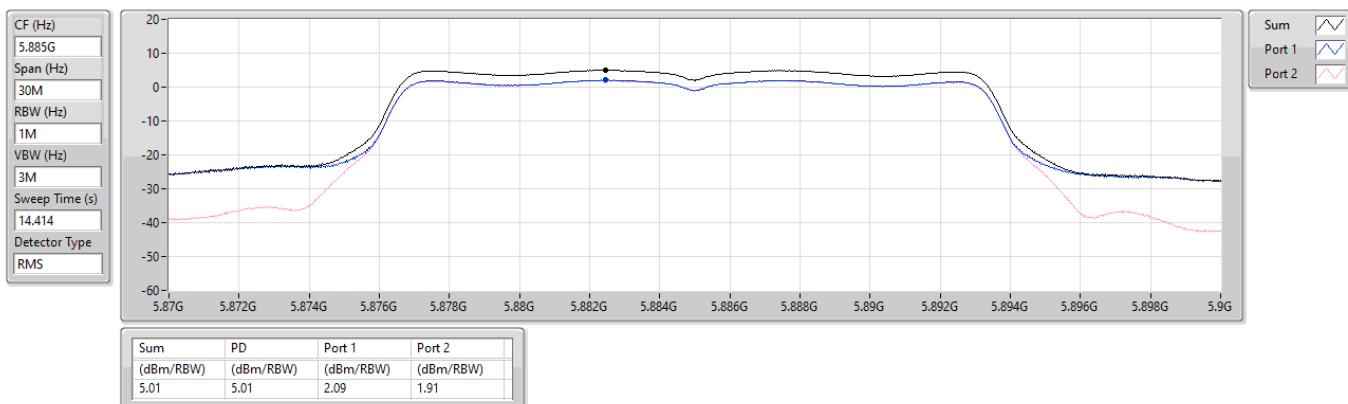
5725-5850MHz

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.89	5.89	2.73	3.02

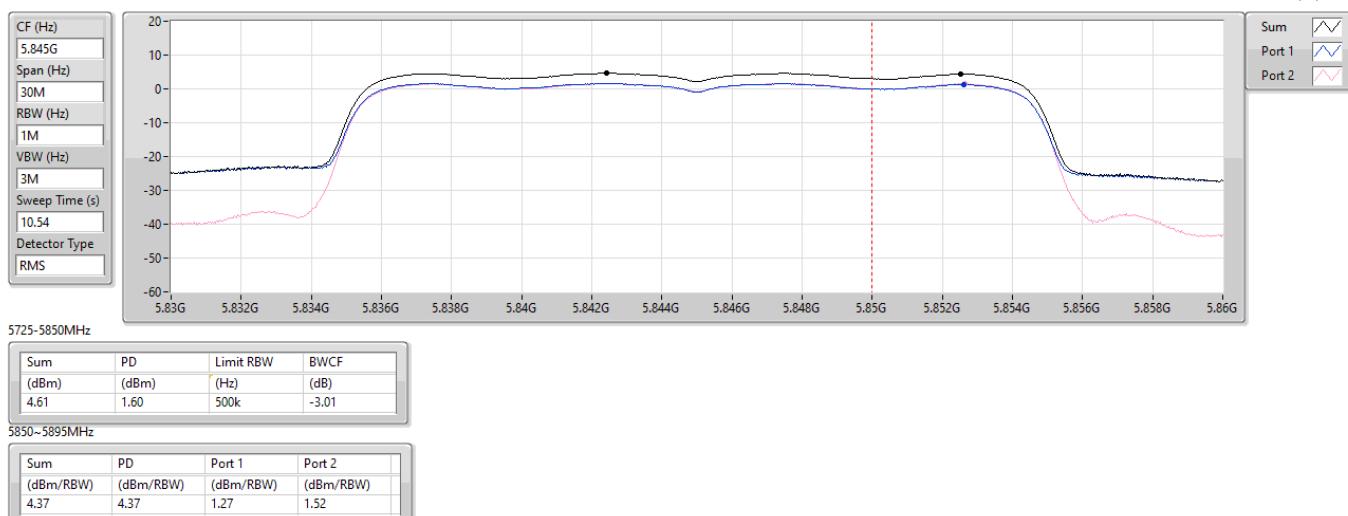
5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
PSD
5865MHz


5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
PSD
5885MHz

09/05/2025

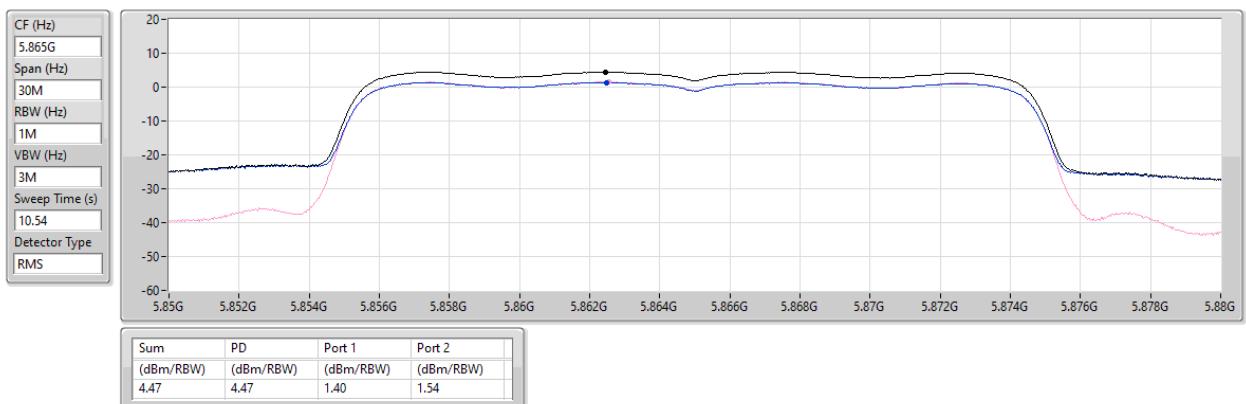

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
PSD
5845MHz

09/05/2025

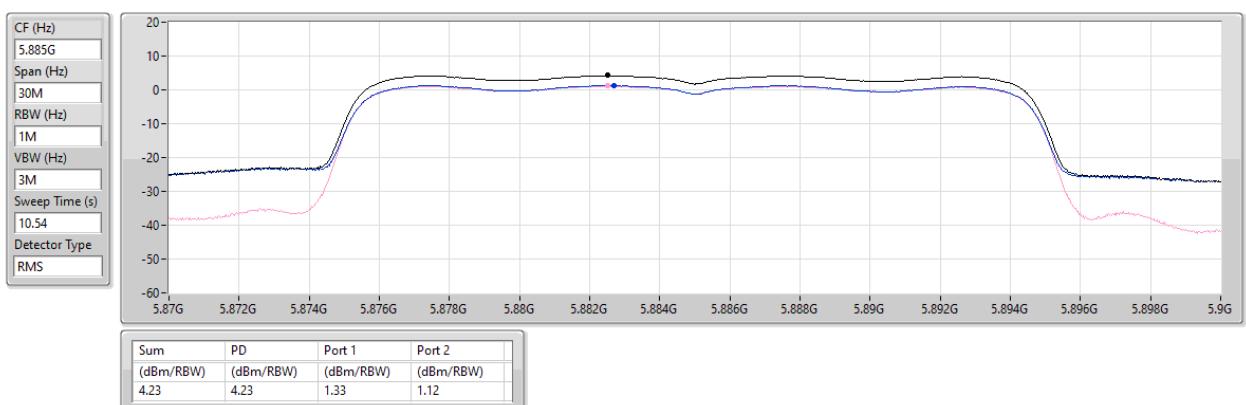


5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
PSD
5865MHz

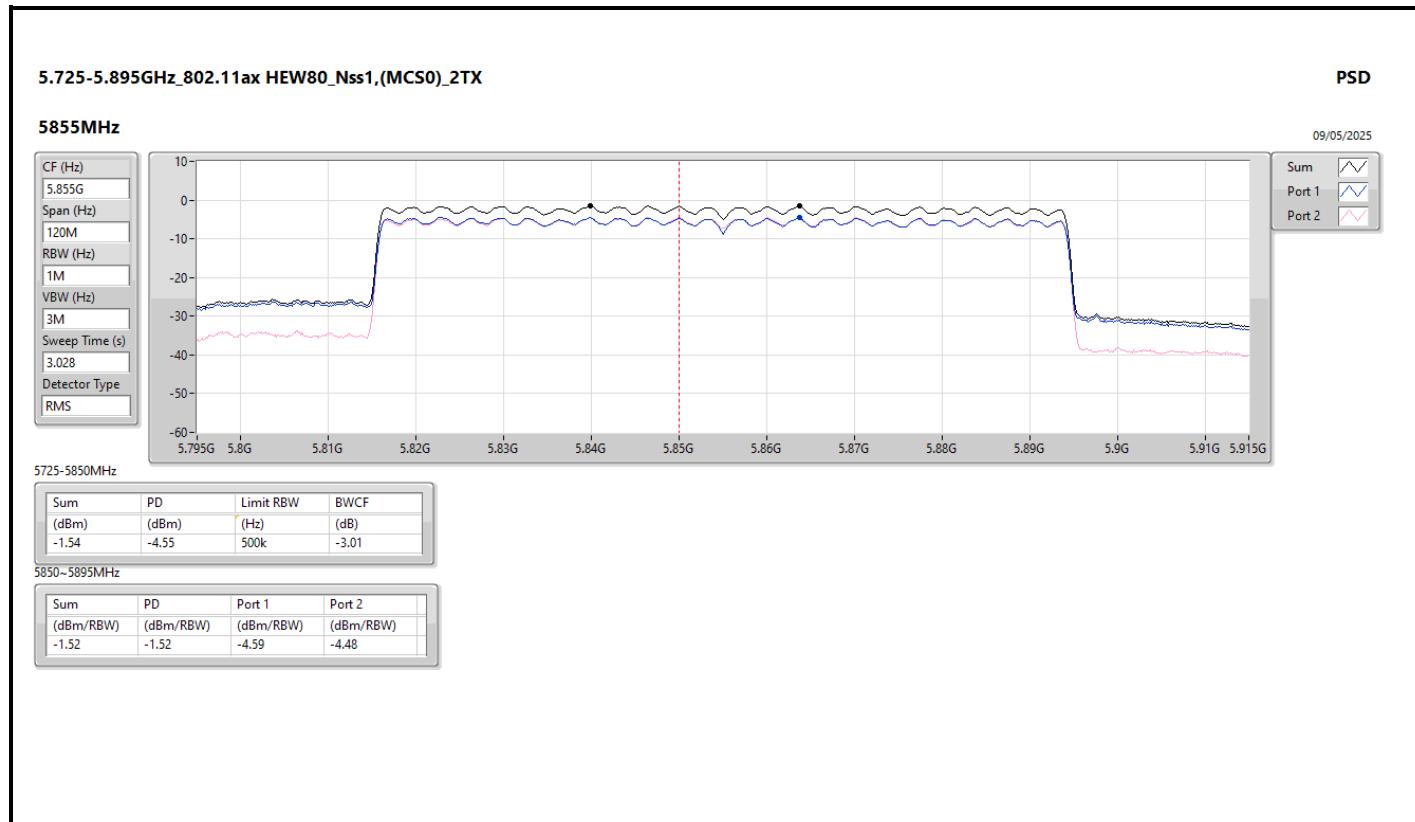
09/05/2025


5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
PSD
5885MHz

09/05/2025

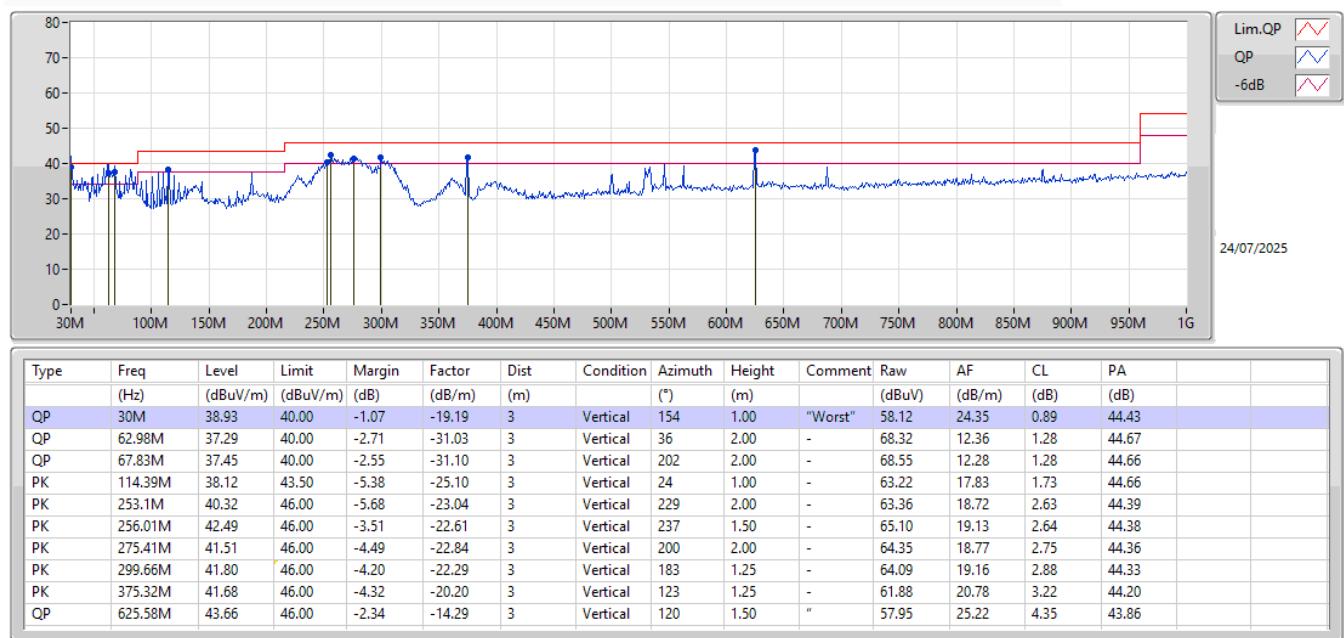


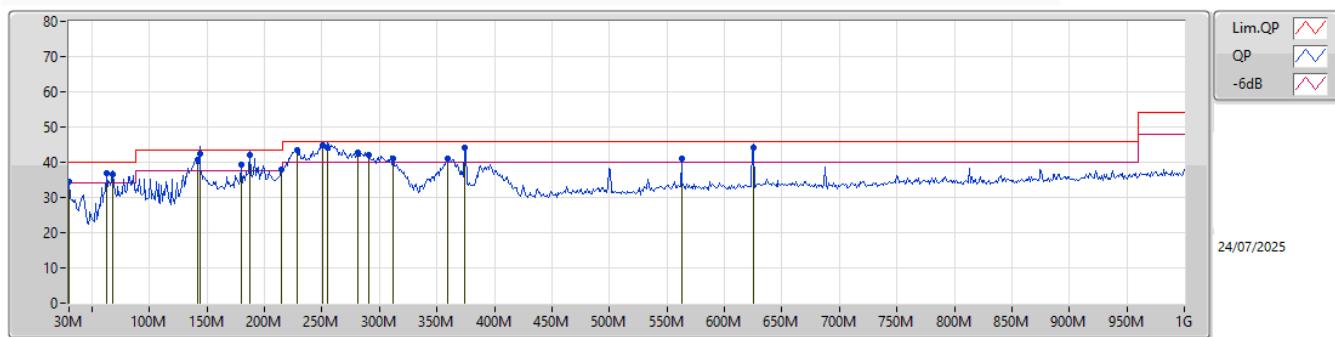




**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	QP	30M	38.93	40.00	-1.07	Vertical

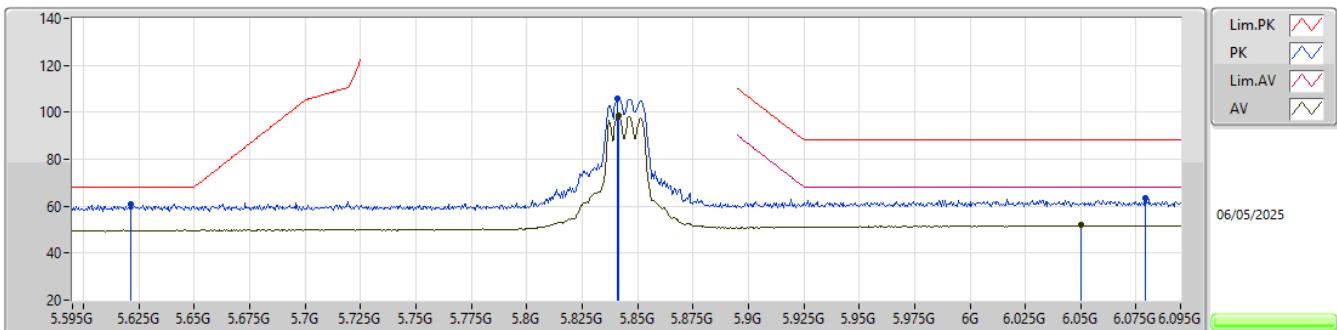
Mode 2


**Mode 2**

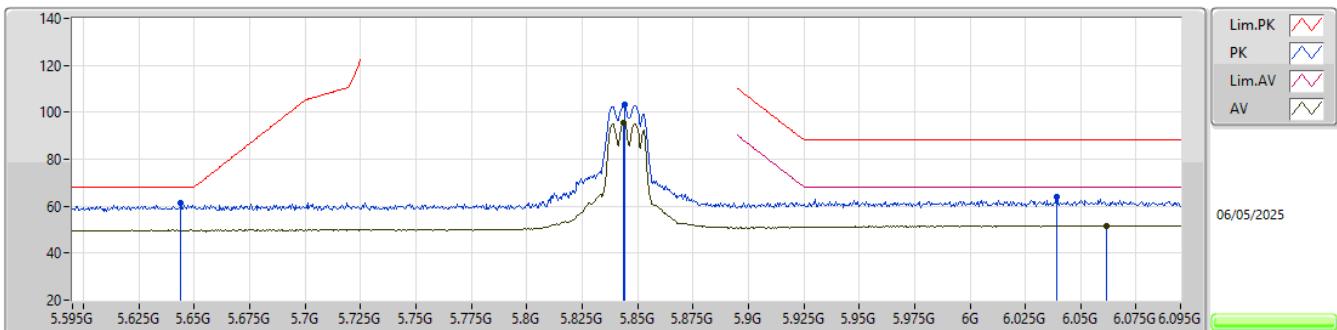
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)	
PK	30M	34.58	40.00	-5.42	-19.19	3	Horizontal	0	1.00	-	53.77	24.35	0.89	44.43	
PK	62.98M	36.79	40.00	-3.21	-31.03	3	Horizontal	121	2.00	-	67.82	12.36	1.28	44.67	
QP	67.83M	36.42	40.00	-3.58	-31.10	3	Horizontal	107	3.00	-	67.52	12.28	1.28	44.66	
QP	141.55M	40.82	43.50	-2.68	-25.77	3	Horizontal	252	2.00	-	66.59	17.02	1.90	44.69	
QP	143.49M	42.43	43.50	-1.07	-25.89	3	Horizontal	252	2.00	"Worst"	68.32	16.87	1.92	44.68	
PK	179.38M	39.31	43.50	-4.19	-27.08	3	Horizontal	107	1.50	-	66.39	15.19	2.20	44.47	
QP	187.14M	42.07	43.50	-1.43	-27.26	3	Horizontal	103	1.25	-	69.33	14.97	2.26	44.49	
PK	214.3M	38.08	43.50	-5.42	-27.11	3	Horizontal	113	1.50	-	65.19	14.95	2.42	44.48	
QP	228.85M	43.45	46.00	-2.55	-25.98	3	Horizontal	118	1.00	-	69.43	15.96	2.50	44.44	
QP	250.19M	44.91	46.00	-1.09	-23.41	3	Horizontal	107	1.25	-	68.32	18.37	2.61	44.39	
QP	255.04M	44.24	46.00	-1.76	-22.74	3	Horizontal	101	1.25	-	66.98	19.00	2.64	44.38	
PK	281.23M	42.84	46.00	-3.16	-22.72	3	Horizontal	153	1.25	-	65.56	18.85	2.78	44.35	
PK	290.93M	42.02	46.00	-3.98	-22.51	3	Horizontal	164	1.00	-	64.53	19.00	2.83	44.34	
PK	312.27M	40.89	46.00	-5.11	-22.03	3	Horizontal	174	1.00	-	62.92	19.37	2.93	44.33	
PK	358.83M	40.87	46.00	-5.13	-20.64	3	Horizontal	68	1.00	-	61.51	20.51	3.13	44.28	
QP	374.35M	44.00	46.00	-2.00	-20.24	3	Horizontal	156	1.00	-	64.24	20.76	3.21	44.21	
PK	562.53M	41.01	46.00	-4.99	-15.06	3	Horizontal	356	3.00	-	56.07	24.99	3.93	43.98	
QP	625.58M	44.03	46.00	-1.97	-14.29	3	Horizontal	51	1.50	-	58.32	25.22	4.35	43.86	

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.895GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	RMS	5.9275G	62.22	68.20	-5.98	3	Vertical	1	2.61	-

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
5845MHz_TX

EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6215G	61.04	68.20	-7.16	52.43	3	Vertical	16	1.80	-	33.94	7.13	32.46			
PK	5.841G	106.04	Inf	-Inf	96.66	3	Vertical	16	1.80	-	34.45	7.38	32.45			
RMS	5.8415G	98.65	Inf	-Inf	89.27	3	Vertical	16	1.80	-	34.45	7.38	32.45			
PK	6.079G	63.46	88.20	-24.74	52.95	3	Vertical	16	1.80	-	35.40	7.54	32.43			
RMS	6.05G	51.84	68.20	-16.36	41.35	3	Vertical	16	1.80	-	35.40	7.52	32.43			

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
5845MHz_TX


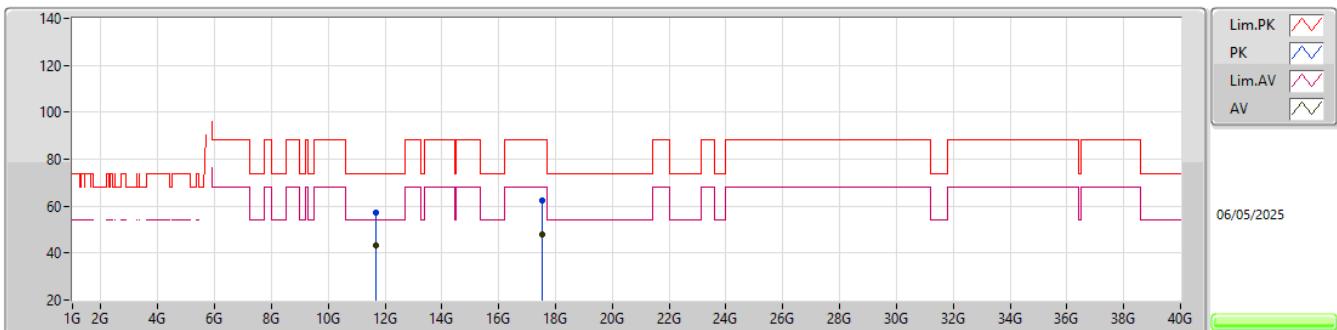
EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.644G	61.57	68.20	-6.63	52.88	3	Horizontal	283	1.80	-	33.99	7.15	32.45			
PK	5.844G	103.23	Inf	-Inf	93.84	3	Horizontal	283	1.80	-	34.46	7.38	32.45			
RMS	5.8435G	95.51	Inf	-Inf	86.12	3	Horizontal	283	1.80	-	34.46	7.38	32.45			
PK	6.039G	64.04	88.20	-24.16	53.58	3	Horizontal	283	1.80	-	35.38	7.52	32.44			
RMS	6.0615G	51.79	68.20	-16.41	41.29	3	Horizontal	283	1.80	-	35.40	7.53	32.43			



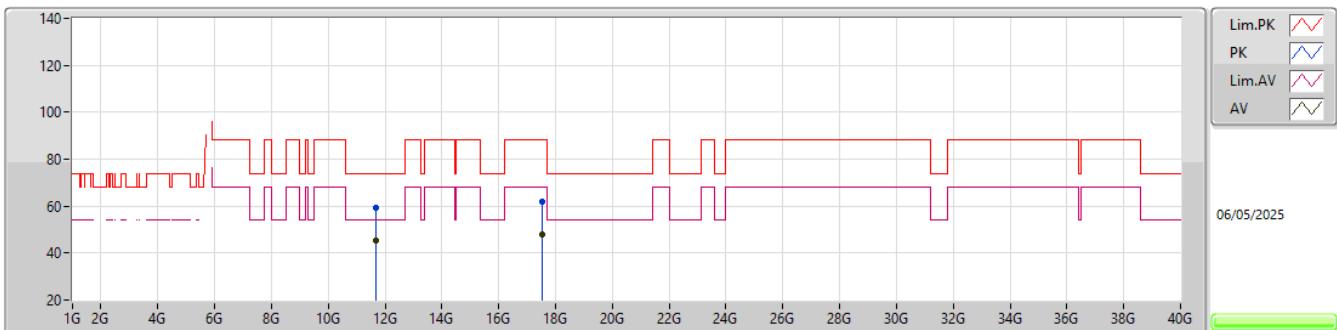
5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX

5845MHz_TX

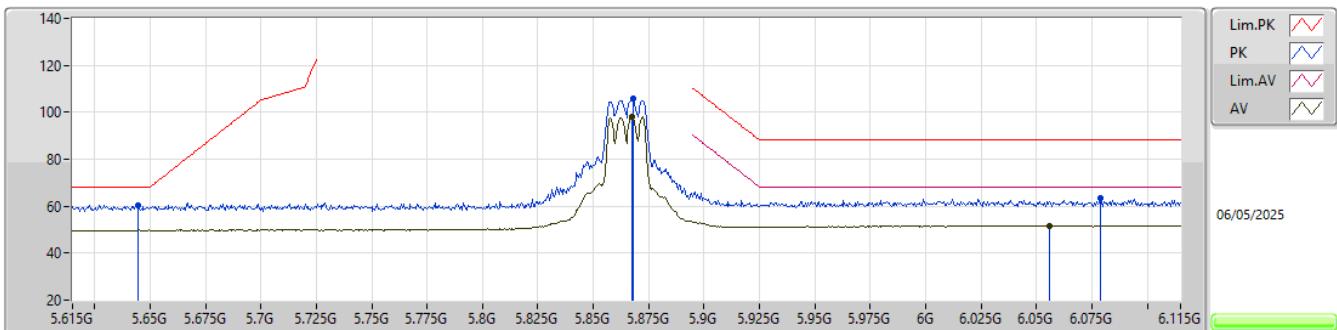


EUT X_2TX
Setting 20
01-U-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	11.69456G	57.09	74.00	-16.91	51.43	3	Vertical	107	1.75	-	38.90	12.05	45.29				
AV	11.68736G	43.27	54.00	-10.73	37.61	3	Vertical	107	1.75	-	38.90	12.04	45.28				
PK	17.53011G	62.25	88.20	-25.95	50.94	3	Vertical	302	1.80	-	41.68	14.09	44.46				
RMS	17.54049G	47.92	68.20	-20.28	36.63	3	Vertical	302	1.80	-	41.64	14.10	44.45				

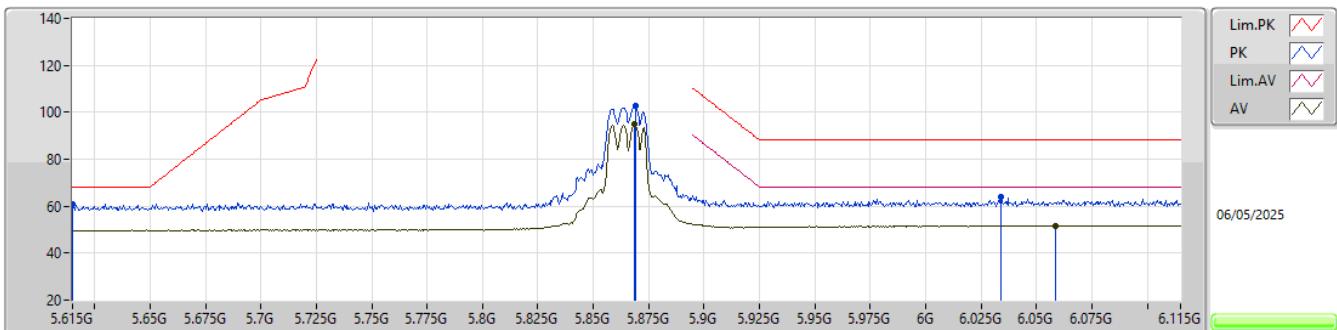
5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
5845MHz_TX

EUT X_2TX
Setting 20
01-U-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.68661G	59.26	74.00	-14.74	53.60	3	Horizontal	323	1.80	-	38.90	12.04	45.28			
AV	11.68721G	45.16	54.00	-8.84	39.50	3	Horizontal	323	1.80	-	38.90	12.04	45.28			
PK	17.5254G	61.78	88.20	-26.42	50.45	3	Horizontal	53	1.80	-	41.70	14.09	44.46			
RMS	17.5389G	47.83	68.20	-20.37	36.54	3	Horizontal	53	1.80	-	41.64	14.10	44.45			

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
5865MHz_TX


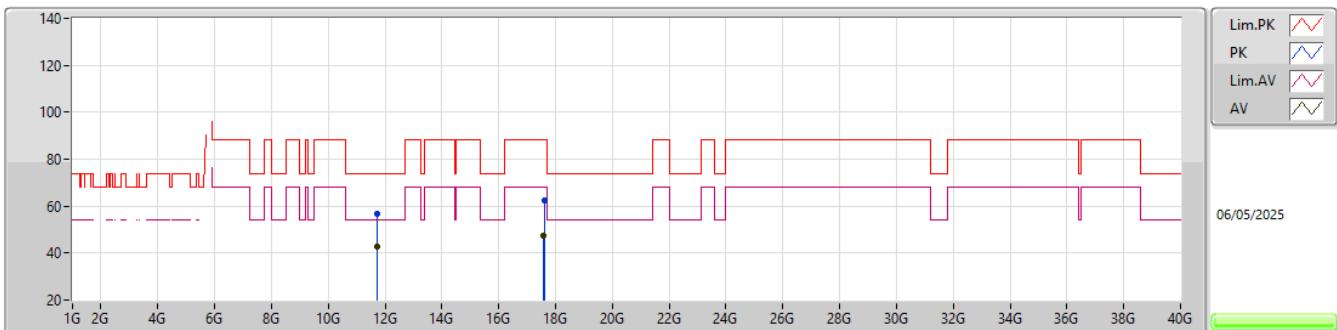
EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6445G	60.50	68.20	-7.70	51.80	3	Vertical	186	1.80	-	33.99	7.16	32.45			
PK	5.868G	105.65	Inf	-Inf	96.09	3	Vertical	186	1.80	-	34.61	7.40	32.45			
RMS	5.8675G	98.15	Inf	-Inf	88.59	3	Vertical	186	1.80	-	34.61	7.40	32.45			
PK	6.079G	63.36	88.20	-24.84	52.85	3	Vertical	186	1.80	-	35.40	7.54	32.43			
RMS	6.056G	51.78	68.20	-16.42	41.28	3	Vertical	186	1.80	-	35.40	7.53	32.43			

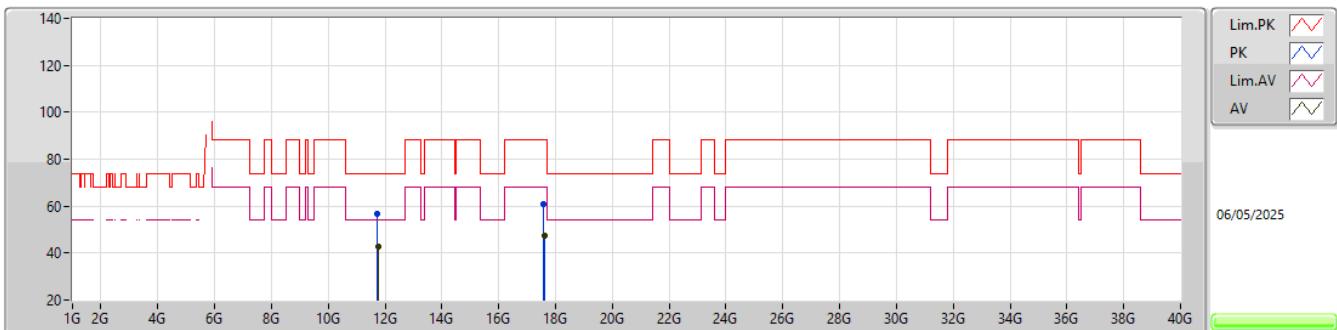
5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
5865MHz_TX


EUT X_2TX
Setting 20
01-U-G-5-10

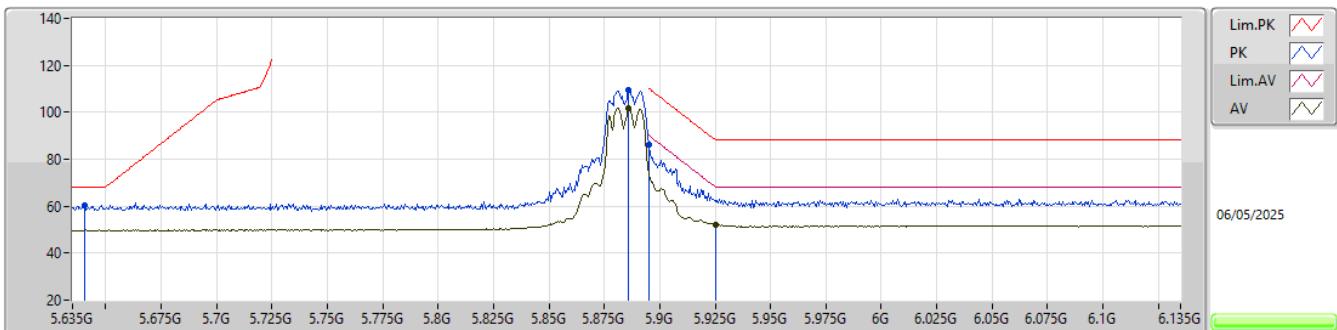
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.615G	61.10	68.20	-7.10	52.51	3	Horizontal 280	1.80	-		33.93	7.12	32.46			
PK	5.869G	102.68	Inf	-Inf	93.12	3	Horizontal 280	1.80	-		34.61	7.40	32.45			
RMS	5.8685G	95.10	Inf	-Inf	85.54	3	Horizontal 280	1.80	-		34.61	7.40	32.45			
PK	6.034G	63.81	88.20	-24.39	53.36	3	Horizontal 280	1.80	-		35.37	7.52	32.44			
RMS	6.0585G	51.79	68.20	-16.41	41.29	3	Horizontal 280	1.80	-		35.40	7.53	32.43			

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
5865MHz_TX

EUT X_2TX
Setting 20
01-U-G-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	11.7168G	56.88	74.00	-17.12	51.20	3	Vertical	175	1.78	-	38.90	12.07	45.29			
AV	11.72331G	42.97	54.00	-11.03	37.28	3	Vertical	175	1.78	-	38.90	12.08	45.29			
PK	17.59743G	62.23	88.20	-25.97	50.95	3	Vertical	79	1.55	-	41.60	14.11	44.43			
RMS	17.59494G	47.61	68.20	-20.59	36.33	3	Vertical	79	1.55	-	41.60	14.11	44.43			

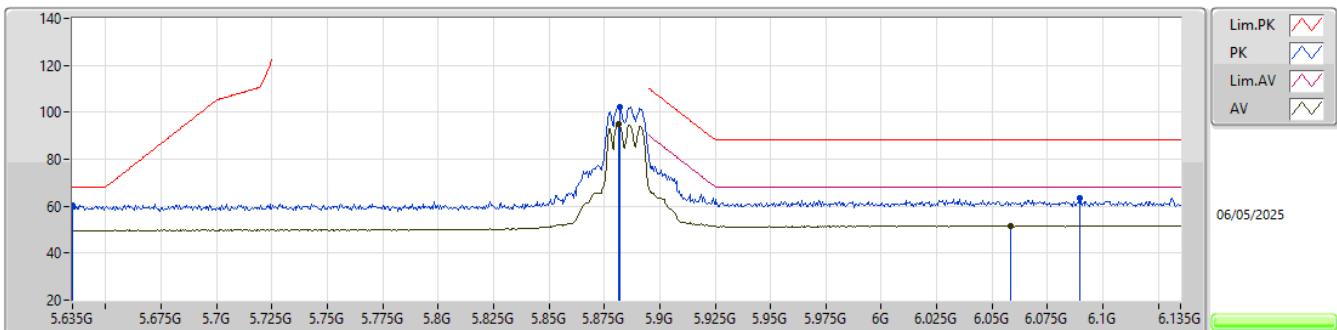
5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
5865MHz_TX

EUT X_2TX
Setting 20
01-U-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.73855G	56.80	74.00	-17.20	51.11	3	Horizontal	302	1.85	-	38.90	12.09	45.30			
AV	11.74401G	43.01	54.00	-10.99	37.31	3	Horizontal	302	1.85	-	38.90	12.10	45.30			
PK	17.58783G	60.77	88.20	-27.43	49.49	3	Horizontal	340	1.89	-	41.60	14.11	44.43			
RMS	17.59818G	47.51	68.20	-20.69	36.23	3	Horizontal	340	1.89	-	41.60	14.11	44.43			

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
5885MHz_TX


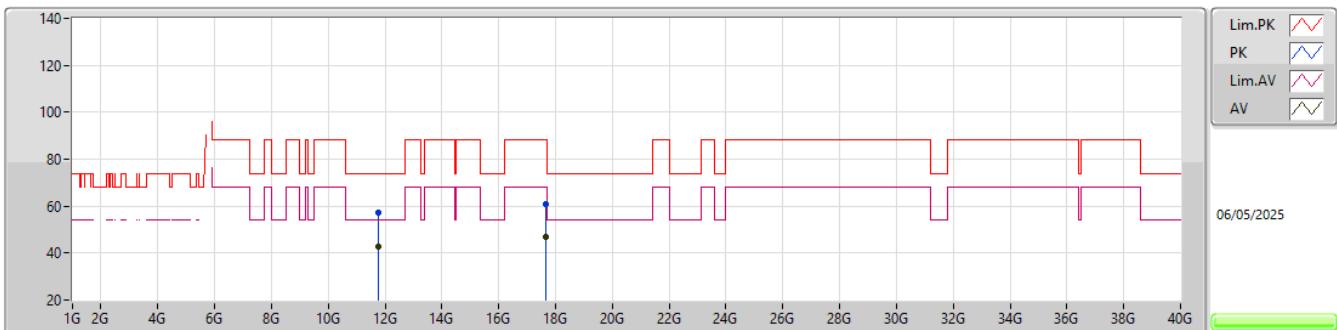
EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6405G	60.45	68.20	-7.75	51.77	3	Vertical	352	3.00	-	33.98	7.15	32.45			
PK	5.886G	109.23	Inf	-Inf	99.54	3	Vertical	352	3.00	-	34.72	7.41	32.44			
RMS	5.886G	101.69	Inf	-Inf	92.00	3	Vertical	352	3.00	-	34.72	7.41	32.44			
PK	5.895G	86.06	110.20	-24.14	76.31	3	Vertical	352	3.00	-	34.77	7.42	32.44			
RMS	5.925G	52.12	68.20	-16.08	42.17	3	Vertical	352	3.00	-	34.95	7.44	32.44			

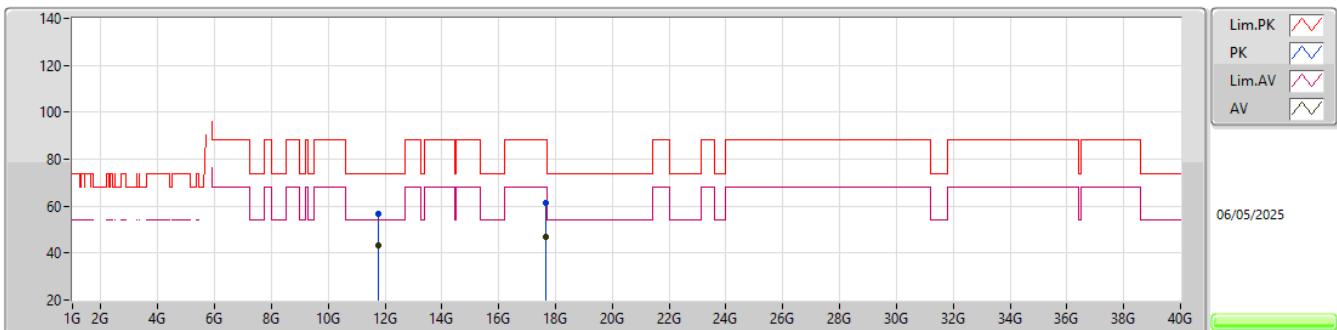
5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
5885MHz_TX


EUT X_2TX
Setting 20
01-U-G-5-10

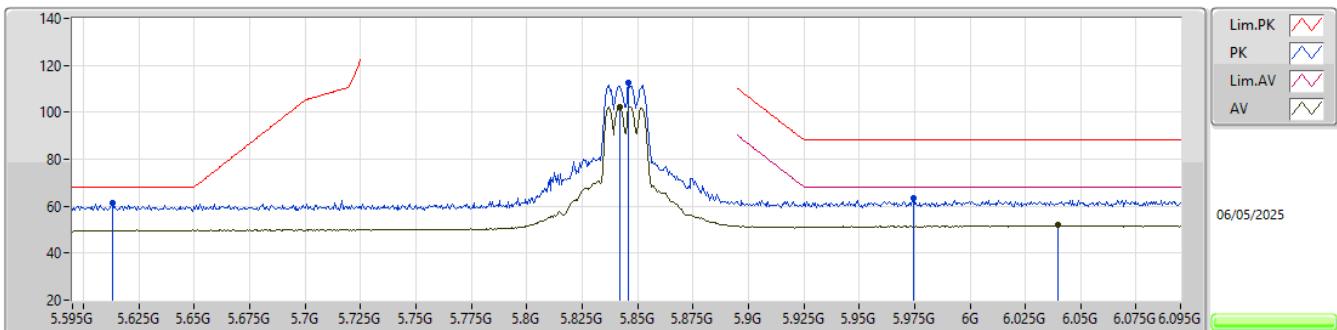
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.635G	60.59	68.20	-7.61	51.93	3	Horizontal	279	1.80	-	33.97	7.14	32.45			
PK	5.882G	102.46	Inf	-Inf	92.80	3	Horizontal	279	1.80	-	34.69	7.41	32.44			
RMS	5.8815G	95.09	Inf	-Inf	85.43	3	Horizontal	279	1.80	-	34.69	7.41	32.44			
PK	6.0895G	63.47	88.20	-24.73	52.96	3	Horizontal	279	1.80	-	35.40	7.54	32.43			
RMS	6.0585G	51.73	68.20	-16.47	41.23	3	Horizontal	279	1.80	-	35.40	7.53	32.43			

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
5885MHz_TX

EUT X_2TX
Setting 20
01-U-G-5

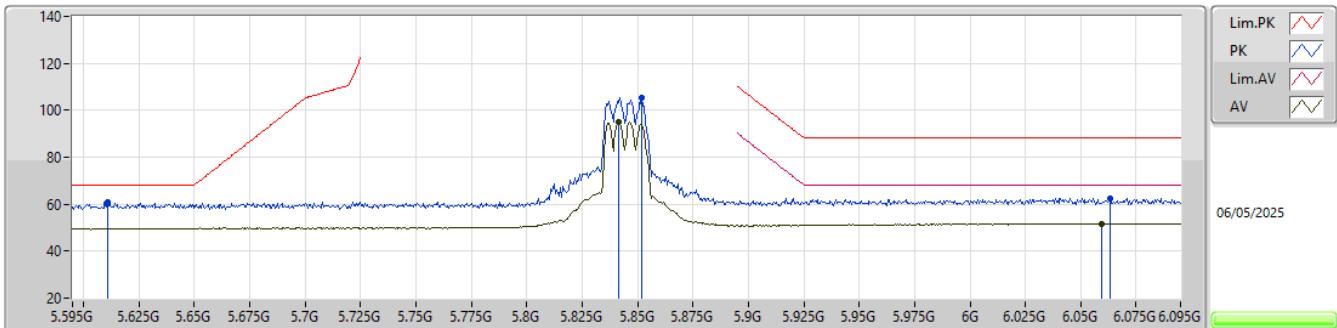
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.76484G	57.12	74.00	-16.88	51.40	3	Vertical	154	1.97	-	38.90	12.12	45.30			
AV	11.77924G	43.01	54.00	-10.99	37.29	3	Vertical	154	1.97	-	38.90	12.13	45.31			
PK	17.65671G	61.10	88.20	-27.10	50.08	3	Vertical	295	1.35	-	41.30	14.13	44.41			
RMS	17.65374G	47.10	68.20	-21.10	36.08	3	Vertical	295	1.35	-	41.30	14.13	44.41			

5.725-5.895GHz_802.11a_Nss1,(6Mbps)_2TX
5885MHz_TX

EUT X_2TX
Setting 20
01-U-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.77384G	56.85	74.00	-17.15	51.13	3	Horizontal	83	1.71	-	38.90	12.13	45.31			
AV	11.7775G	43.04	54.00	-10.96	37.32	3	Horizontal	83	1.71	-	38.90	12.13	45.31			
PK	17.66082G	61.61	88.20	-26.59	50.59	3	Horizontal	15	1.91	-	41.30	14.13	44.41			
RMS	17.64207G	47.08	68.20	-21.12	36.01	3	Horizontal	15	1.91	-	41.35	14.13	44.41			

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5845MHz_TX

EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.613G	61.26	68.20	-6.94	52.67	3	Vertical 0	2.68	-	33.93	7.12	32.46				
PK	5.846G	112.53	Inf	-Inf	103.12	3	Vertical 0	2.68	-	34.48	7.38	32.45				
RMS	5.842G	102.47	Inf	-Inf	93.09	3	Vertical 0	2.68	-	34.45	7.38	32.45				
PK	5.9745G	63.40	88.20	-24.80	53.16	3	Vertical 0	2.68	-	35.20	7.48	32.44				
RMS	6.0395G	51.84	68.20	-16.36	41.38	3	Vertical 0	2.68	-	35.38	7.52	32.44				

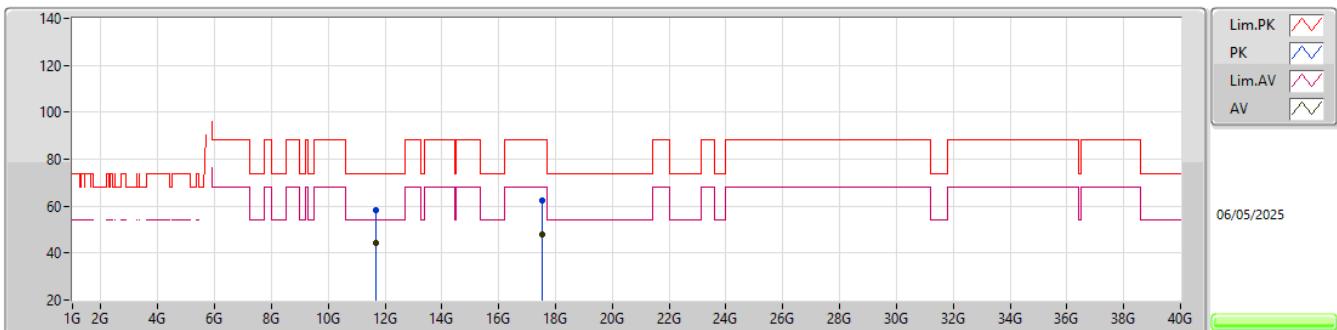
5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5845MHz_TX

EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.611G	60.98	68.20	-7.22	52.41	3	Horizontal	282	1.80	-	33.92	7.11	32.46			
PK	5.852G	105.40	Inf	-Inf	95.95	3	Horizontal	282	1.80	-	34.51	7.39	32.45			
RMS	5.8415G	95.00	Inf	-Inf	85.62	3	Horizontal	282	1.80	-	34.45	7.38	32.45			
PK	6.0635G	62.62	88.20	-25.58	52.12	3	Horizontal	282	1.80	-	35.40	7.53	32.43			
RMS	6.0595G	51.75	68.20	-16.45	41.25	3	Horizontal	282	1.80	-	35.40	7.53	32.43			



5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5845MHz_TX



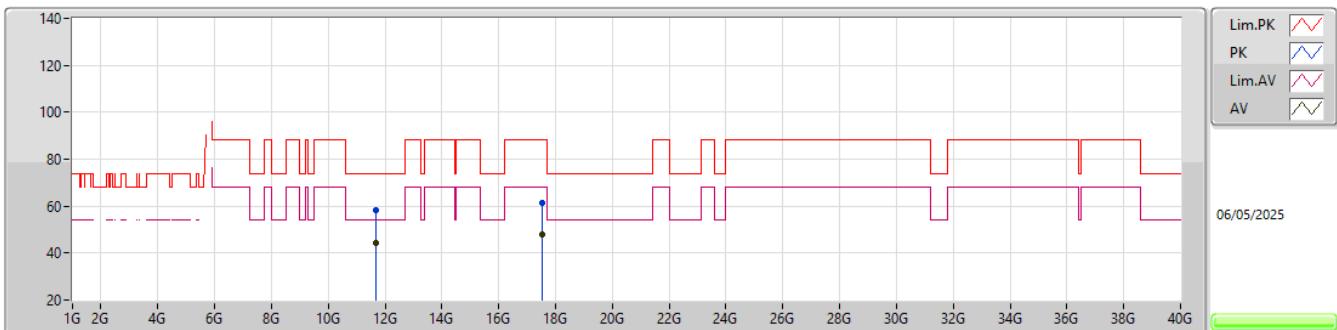
EUT X_2TX
Setting 20
01-U-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	11.69177G	58.21	74.00	-15.79	52.55	3	Vertical	2	1.97	-	38.90	12.05	45.29				
AV	11.68709G	44.53	54.00	-9.47	38.87	3	Vertical	2	1.97	-	38.90	12.04	45.28				
PK	17.53338G	62.28	88.20	-25.92	50.98	3	Vertical	33	1.92	-	41.67	14.09	44.46				
RMS	17.5356G	47.89	68.20	-20.31	36.59	3	Vertical	33	1.92	-	41.66	14.10	44.46				



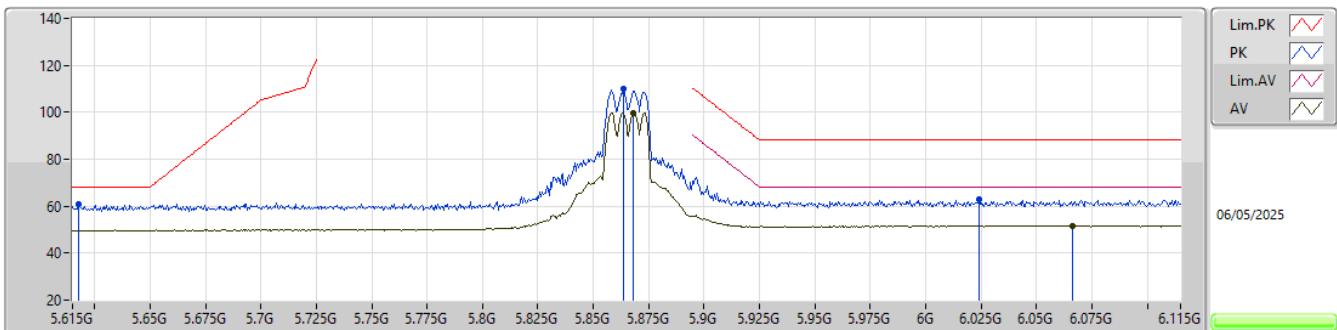
5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5845MHz_TX



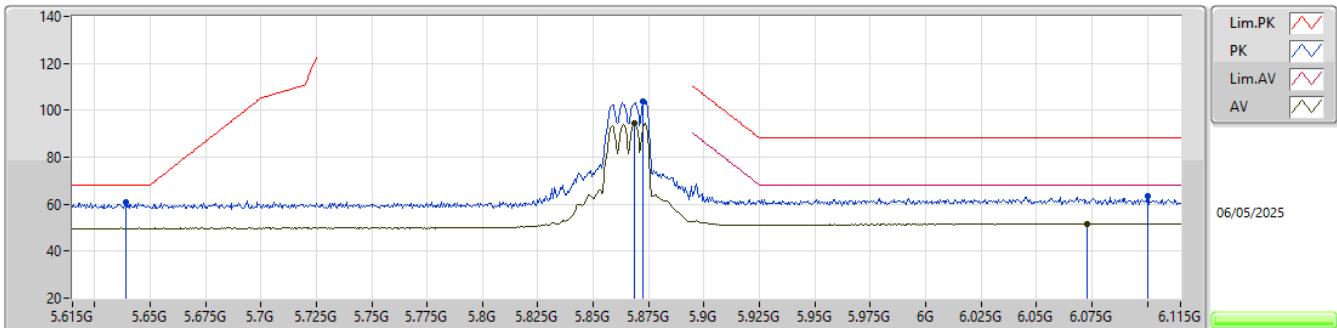
EUT X_2TX
Setting 20
01-U-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	11.69225G	58.47	74.00	-15.53	52.81	3	Horizontal	53	1.73	-	38.90	12.05	45.29				
AV	11.68745G	44.51	54.00	-9.49	38.85	3	Horizontal	53	1.73	-	38.90	12.04	45.28				
PK	17.5245G	61.46	88.20	-26.74	50.13	3	Horizontal	360	1.81	-	41.70	14.09	44.46				
RMS	17.53602G	47.88	68.20	-20.32	36.58	3	Horizontal	360	1.81	-	41.66	14.10	44.46				

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5865MHz_TX


EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6175G	60.63	68.20	-7.57	52.04	3	Vertical	180	1.00	-	33.93	7.12	32.46			
PK	5.8635G	110.01	Inf	-Inf	100.48	3	Vertical	180	1.00	-	34.58	7.40	32.45			
RMS	5.868G	99.71	Inf	-Inf	90.15	3	Vertical	180	1.00	-	34.61	7.40	32.45			
PK	6.024G	62.86	88.20	-25.34	52.44	3	Vertical	180	1.00	-	35.35	7.51	32.44			
RMS	6.066G	51.80	68.20	-16.40	41.30	3	Vertical	180	1.00	-	35.40	7.53	32.43			

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5865MHz_TX


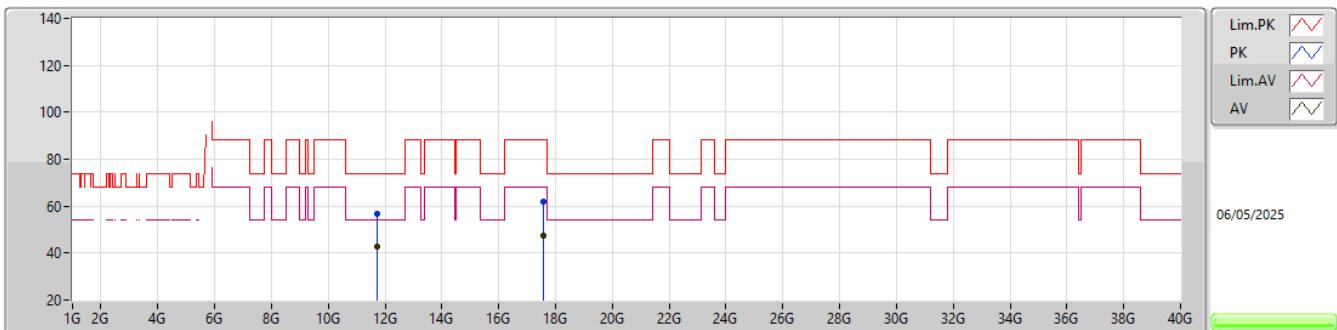
EUT X_2TX
 Setting 20
 01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.639G	60.70	68.20	-7.50	52.02	3	Horizontal 279	1.80	-	33.98	7.15	32.45				
PK	5.8725G	103.95	Inf	-Inf	94.37	3	Horizontal 279	1.80	-	34.63	7.40	32.45				
RMS	5.8685G	94.35	Inf	-Inf	84.79	3	Horizontal 279	1.80	-	34.61	7.40	32.45				
PK	6.1G	63.34	88.20	-24.86	52.83	3	Horizontal 279	1.80	-	35.40	7.54	32.43				
RMS	6.073G	51.75	68.20	-16.45	41.25	3	Horizontal 279	1.80	-	35.40	7.53	32.43				



5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5865MHz_TX



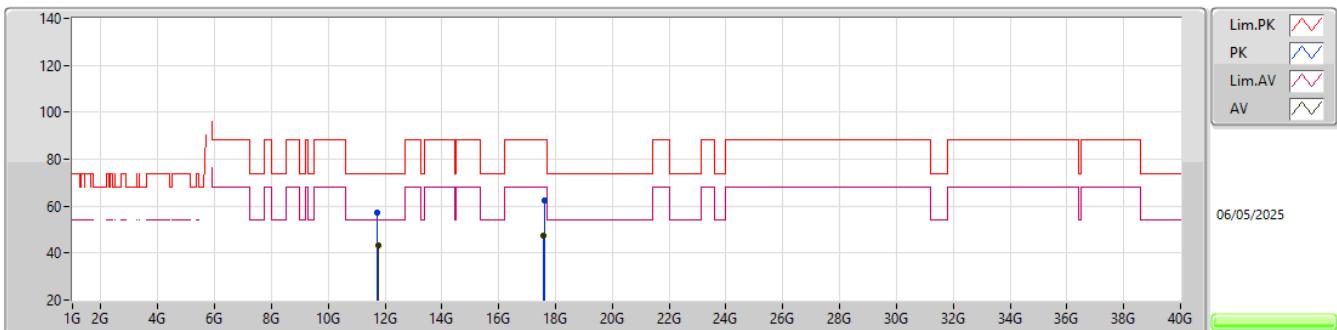
EUT X_2TX
Setting 20
01-U-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	11.72112G	56.77	74.00	-17.23	51.08	3	Vertical	102	1.86	-	38.90	12.08	45.29				
AV	11.74209G	42.97	54.00	-11.03	37.27	3	Vertical	102	1.86	-	38.90	12.10	45.30				
PK	17.59014G	61.93	88.20	-26.27	50.65	3	Vertical	86	1.53	-	41.60	14.11	44.43				
RMS	17.59488G	47.49	68.20	-20.71	36.21	3	Vertical	86	1.53	-	41.60	14.11	44.43				



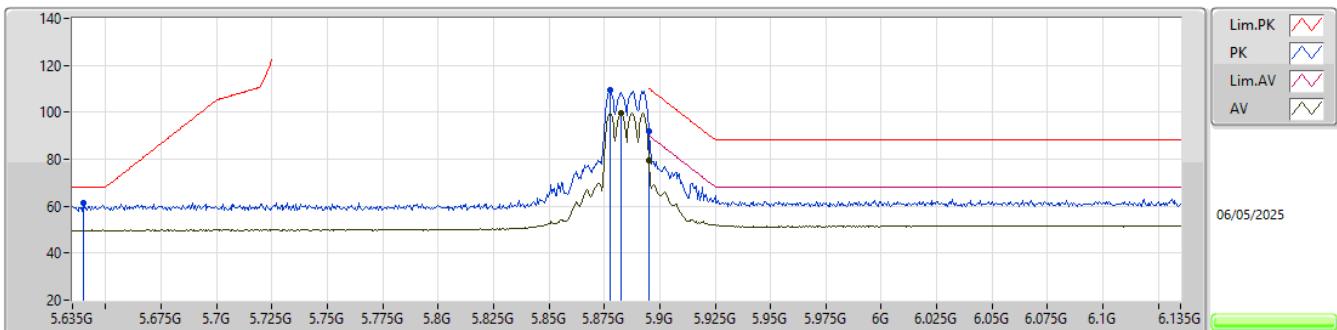
5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5865MHz_TX



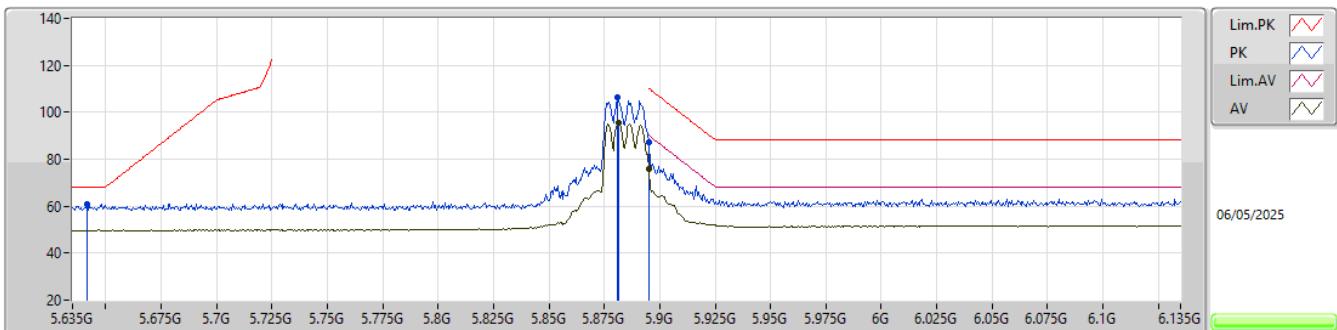
EUT X_2TX
Setting 20
01-U-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	11.74275G	57.28	74.00	-16.72	51.58	3	Horizontal	165	1.82	-	38.90	12.10	45.30				
AV	11.74344G	43.03	54.00	-10.97	37.33	3	Horizontal	165	1.82	-	38.90	12.10	45.30				
PK	17.60949G	62.29	88.20	-25.91	51.06	3	Horizontal	143	1.96	-	41.54	14.12	44.43				
RMS	17.59344G	47.50	68.20	-20.70	36.22	3	Horizontal	143	1.96	-	41.60	14.11	44.43				

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5885MHz_TX


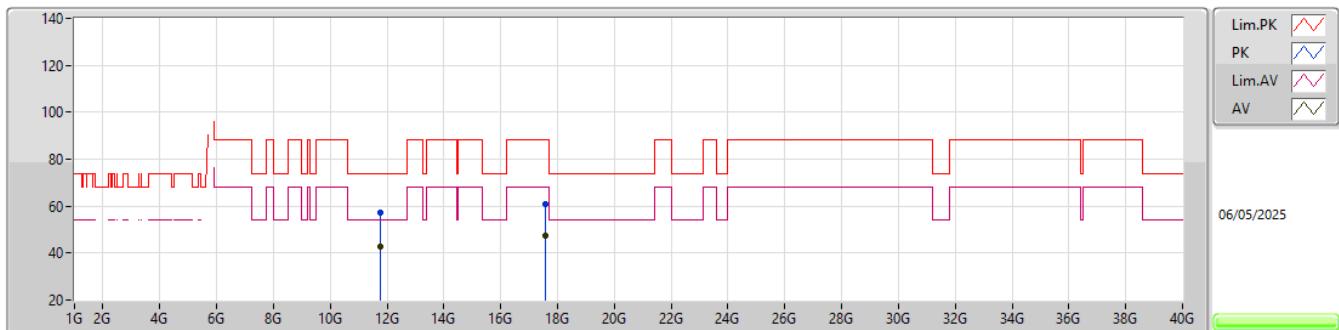
EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.64G	61.15	68.20	-7.05	52.47	3	Vertical	335	3.00	-	33.98	7.15	32.45			
PK	5.8775G	109.62	Inf	-Inf	99.99	3	Vertical	335	3.00	-	34.66	7.41	32.44			
RMS	5.8825G	99.74	Inf	-Inf	90.08	3	Vertical	335	3.00	-	34.69	7.41	32.44			
PK	5.895G	91.96	110.20	-18.24	82.21	3	Vertical	335	3.00	-	34.77	7.42	32.44			
RMS	5.895G	79.40	90.20	-10.80	69.65	3	Vertical	335	3.00	-	34.77	7.42	32.44			

5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5885MHz_TX


EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6415G	60.68	68.20	-7.52	52.00	3	Horizontal 280	1.80	-		33.98	7.15	32.45			
PK	5.881G	106.26	Inf	-Inf	96.60	3	Horizontal 280	1.80	-		34.69	7.41	32.44			
RMS	5.8815G	95.43	Inf	-Inf	85.77	3	Horizontal 280	1.80	-		34.69	7.41	32.44			
PK	5.895G	87.06	110.20	-23.14	77.31	3	Horizontal 280	1.80	-		34.77	7.42	32.44			
RMS	5.895G	76.09	90.20	-14.11	66.34	3	Horizontal 280	1.80	-		34.77	7.42	32.44			

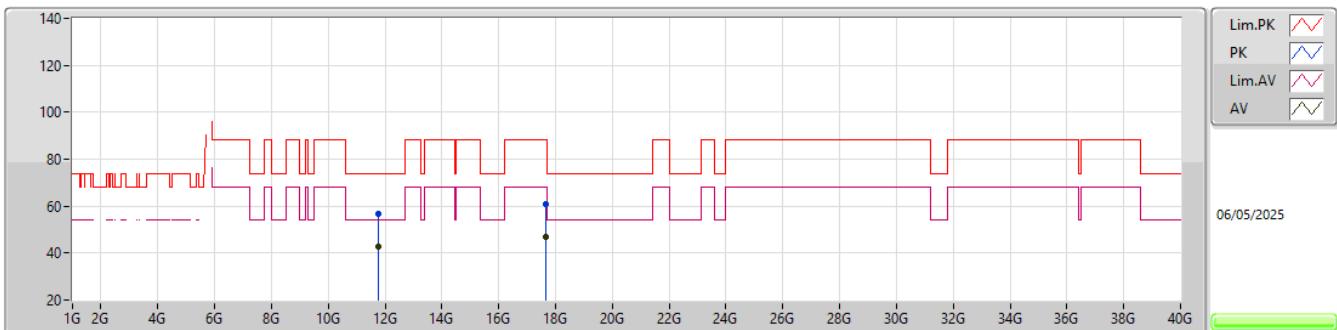
5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
5885MHz_TX

EUT X_2TX
Setting 20
01-U-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.77834G	57.05	74.00	-16.95	51.33	3	Vertical	16	1.91	-	38.90	12.13	45.31			
AV	11.77924G	42.96	54.00	-11.04	37.24	3	Vertical	16	1.91	-	38.90	12.13	45.31			
PK	17.59158G	61.03	88.20	-27.17	49.75	3	Vertical	335	1.62	-	41.60	14.11	44.43			
RMS	17.5947G	47.28	68.20	-20.92	36.00	3	Vertical	335	1.62	-	41.60	14.11	44.43			



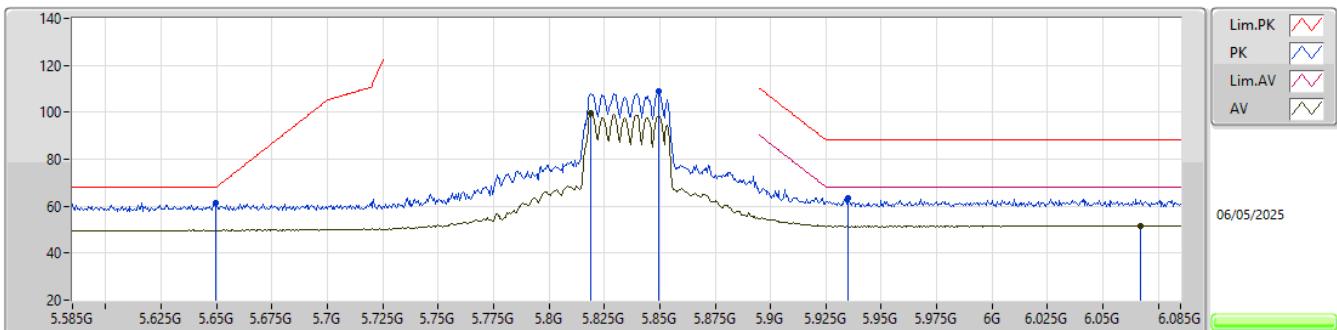
5.725-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5885MHz_TX

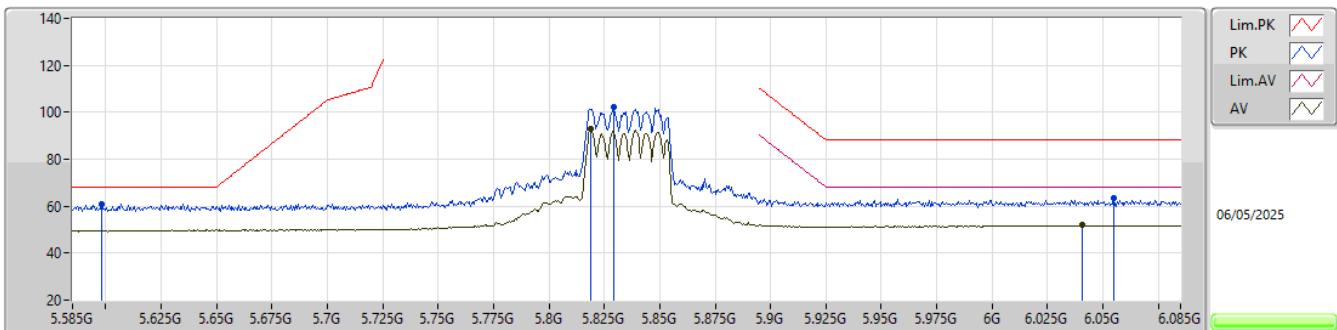


EUT X_2TX
Setting 20
01-U-G-5

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	11.76904G	56.72	74.00	-17.28	51.00	3	Horizontal	254	1.40	-	38.90	12.12	45.30				
AV	11.7553G	42.93	54.00	-11.07	37.22	3	Horizontal	254	1.40	-	38.90	12.11	45.30				
PK	17.6517G	60.75	88.20	-27.45	49.73	3	Horizontal	311	1.69	-	41.30	14.13	44.41				
RMS	17.66208G	47.07	68.20	-21.13	36.05	3	Horizontal	311	1.69	-	41.30	14.13	44.41				

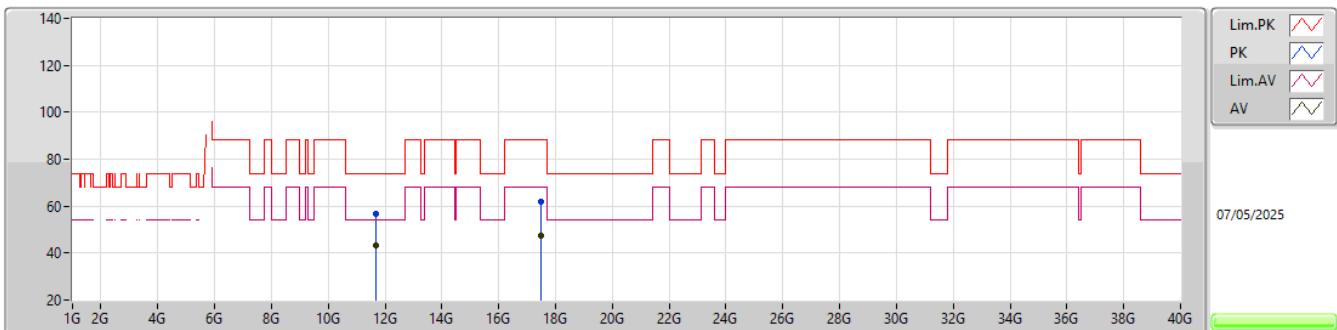
5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5835MHz_TX

EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
PK	5.6495G	61.25	68.20	-6.95	52.54	3	Vertical	0	2.60	-	34.00	7.16	32.45			
PK	5.8495G	108.74	Inf	-Inf	99.30	3	Vertical	0	2.60	-	34.50	7.39	32.45			
RMS	5.819G	99.48	Inf	-Inf	90.26	3	Vertical	0	2.60	-	34.31	7.36	32.45			
PK	5.935G	63.47	88.20	-24.73	53.45	3	Vertical	0	2.60	-	35.01	7.45	32.44			
RMS	6.067G	51.76	68.20	-16.44	41.26	3	Vertical	0	2.60	-	35.40	7.53	32.43			

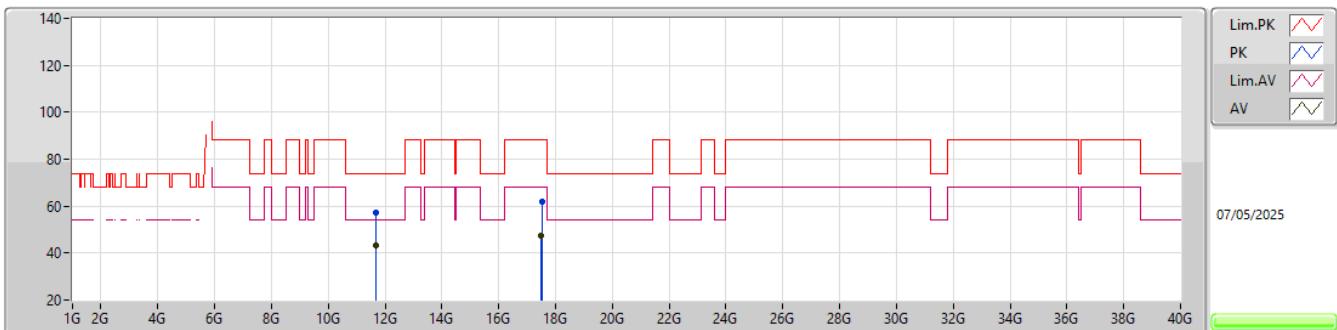
5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5835MHz_TX


EUT X_2TX
 Setting 20
 01-U-G-5-10

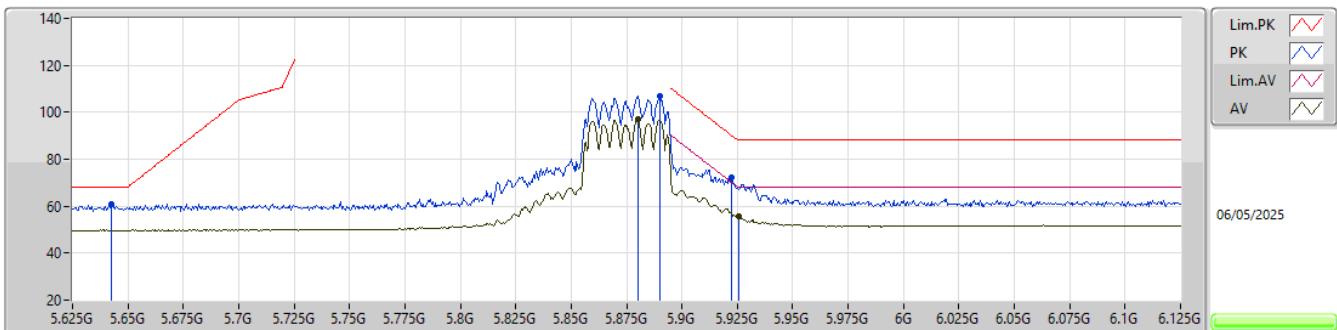
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
PK	5.598G	61.11	68.20	-7.09	52.57	3	Horizontal	283	1.80	-	33.90	7.10	32.46			
PK	5.829G	102.05	Inf	-Inf	92.76	3	Horizontal	283	1.80	-	34.37	7.37	32.45			
RMS	5.819G	92.70	Inf	-Inf	83.48	3	Horizontal	283	1.80	-	34.31	7.36	32.45			
PK	6.055G	63.55	88.20	-24.65	53.06	3	Horizontal	283	1.80	-	35.40	7.52	32.43			
RMS	6.0405G	51.83	68.20	-16.37	41.37	3	Horizontal	283	1.80	-	35.38	7.52	32.44			

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5835MHz_TX

EUT X_2TX
Setting 20
01-U-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.68206G	56.93	74.00	-17.07	51.27	3	Vertical	11	1.64	-	38.90	12.04	45.28			
AV	11.68185G	43.49	54.00	-10.51	37.83	3	Vertical	11	1.64	-	38.90	12.04	45.28			
PK	17.4939G	61.98	88.20	-26.22	50.56	3	Vertical	325	1.59	-	41.82	14.08	44.48			
RMS	17.49006G	47.67	68.20	-20.53	36.24	3	Vertical	325	1.59	-	41.84	14.08	44.49			

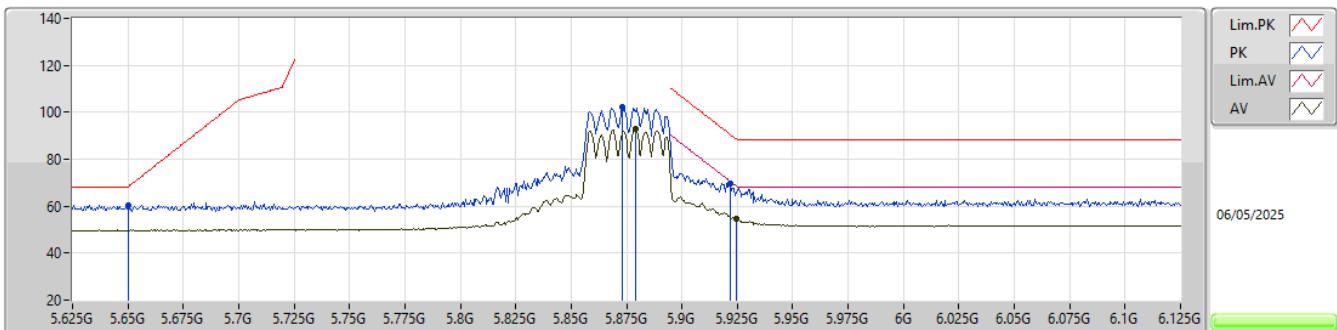
5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5835MHz_TX

EUT X_2TX
Setting 20
01-U-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.65905G	57.17	74.00	-16.83	51.54	3	Horizontal	328	1.44	-	38.90	12.01	45.28			
AV	11.66248G	43.48	54.00	-10.52	37.82	3	Horizontal	328	1.44	-	38.90	12.04	45.28			
PK	17.51358G	61.98	88.20	-26.22	50.60	3	Horizontal	134	1.36	-	41.75	14.09	44.46			
RMS	17.4906G	47.67	68.20	-20.53	36.24	3	Horizontal	134	1.36	-	41.84	14.08	44.49			

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5875MHz_TX


EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6425G	61.03	68.20	-7.17	52.35	3	Vertical	334	3.00	-	33.98	7.15	32.45			
PK	5.89G	106.84	Inf	-Inf	97.12	3	Vertical	334	3.00	-	34.74	7.42	32.44			
RMS	5.88G	97.10	Inf	-Inf	87.45	3	Vertical	334	3.00	-	34.68	7.41	32.44			
PK	5.9225G	72.35	90.03	-17.68	62.42	3	Vertical	334	3.00	-	34.93	7.44	32.44			
RMS	5.9255G	55.85	68.20	-12.35	45.90	3	Vertical	334	3.00	-	34.95	7.44	32.44			

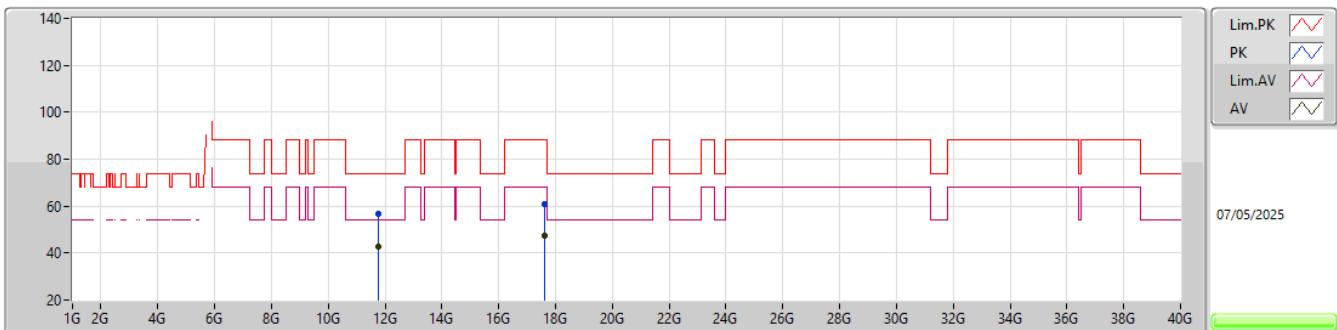
5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5875MHz_TX

EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.65G	60.42	68.20	-7.78	51.71	3	Horizontal	280	1.80	-	34.00	7.16	32.45			
PK	5.873G	102.33	Inf	-Inf	92.74	3	Horizontal	280	1.80	-	34.64	7.40	32.45			
RMS	5.879G	92.73	Inf	-Inf	83.09	3	Horizontal	280	1.80	-	34.67	7.41	32.44			
PK	5.922G	69.64	90.40	-20.76	59.71	3	Horizontal	280	1.80	-	34.93	7.44	32.44			
RMS	5.9245G	54.84	68.57	-13.73	44.89	3	Horizontal	280	1.80	-	34.95	7.44	32.44			



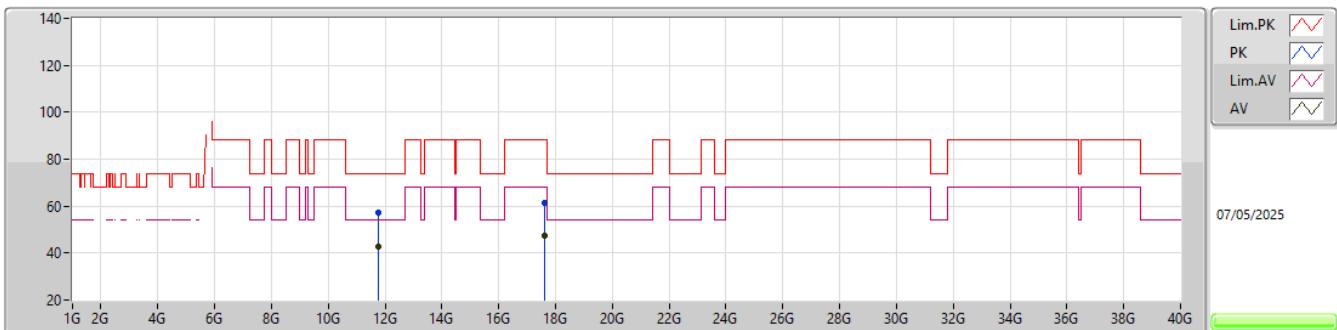
5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5875MHz_TX

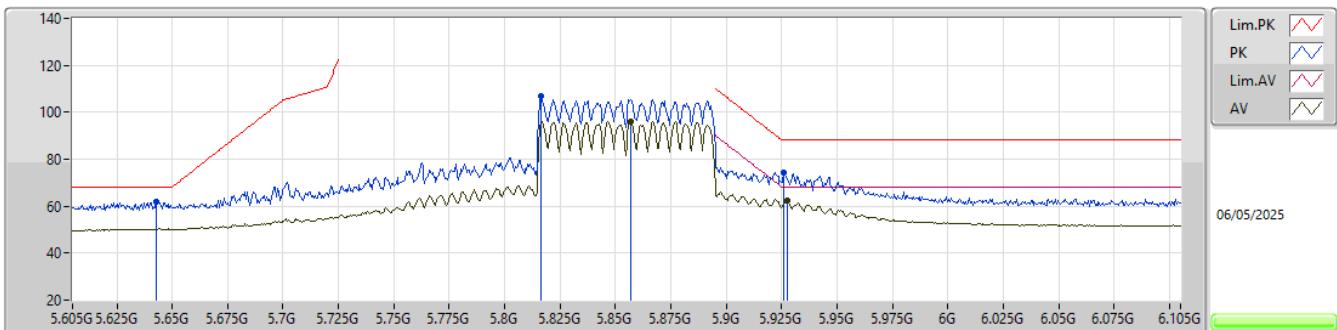


EUT X_2TX
Setting 20
01-U-G-5

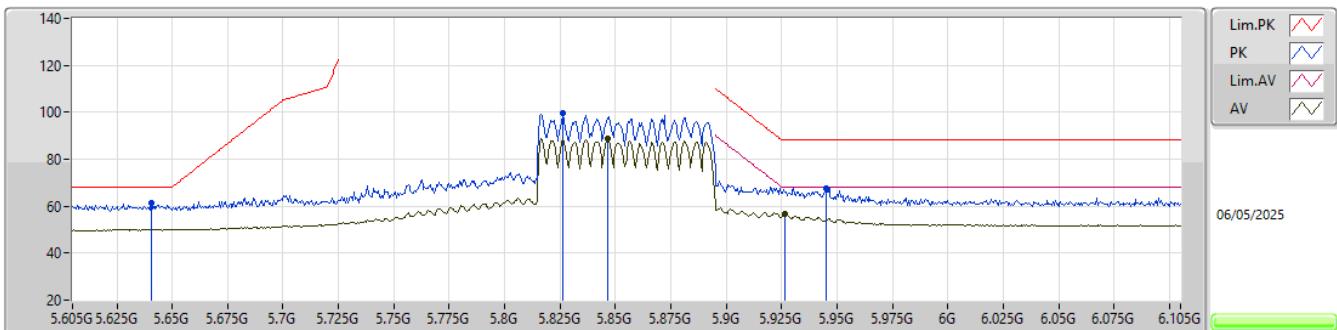
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	11.75666G	56.58	74.00	-17.42	50.87	3	Vertical	120	1.85	-	38.90	12.11	45.30				
AV	11.74424G	42.98	54.00	-11.02	37.28	3	Vertical	120	1.85	-	38.90	12.10	45.30				
PK	17.61606G	61.03	88.20	-27.17	49.83	3	Vertical	88	1.77	-	41.50	14.12	44.42				
RMS	17.61084G	47.35	68.20	-20.85	36.13	3	Vertical	88	1.77	-	41.53	14.12	44.43				

5.725-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
5875MHz_TX

EUT X_2TX
Setting 20
01-U-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.75147G	57.02	74.00	-16.98	51.31	3	Horizontal	329	1.52	-	38.90	12.11	45.30			
AV	11.74595G	42.98	54.00	-11.02	37.28	3	Horizontal	329	1.52	-	38.90	12.10	45.30			
PK	17.61744G	61.24	88.20	-26.96	50.04	3	Horizontal	224	1.39	-	41.50	14.12	44.42			
RMS	17.61024G	47.27	68.20	-20.93	36.04	3	Horizontal	224	1.39	-	41.54	14.12	44.43			

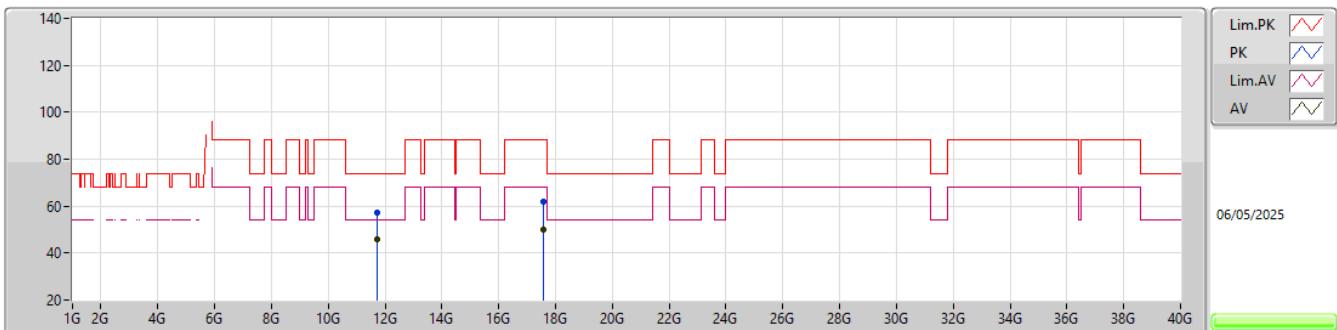
5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
5855MHz_TX

EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.643G	62.00	68.20	-6.20	53.31	3	Vertical	1	2.61	-	33.99	7.15	32.45			
PK	5.8165G	106.70	Inf	-Inf	97.49	3	Vertical	1	2.61	-	34.30	7.36	32.45			
RMS	5.857G	96.07	Inf	-Inf	86.59	3	Vertical	1	2.61	-	34.54	7.39	32.45			
PK	5.926G	74.42	88.20	-13.78	64.46	3	Vertical	1	2.61	-	34.96	7.44	32.44			
RMS	5.9275G	62.22	68.20	-5.98	52.24	3	Vertical	1	2.61	-	34.97	7.45	32.44			

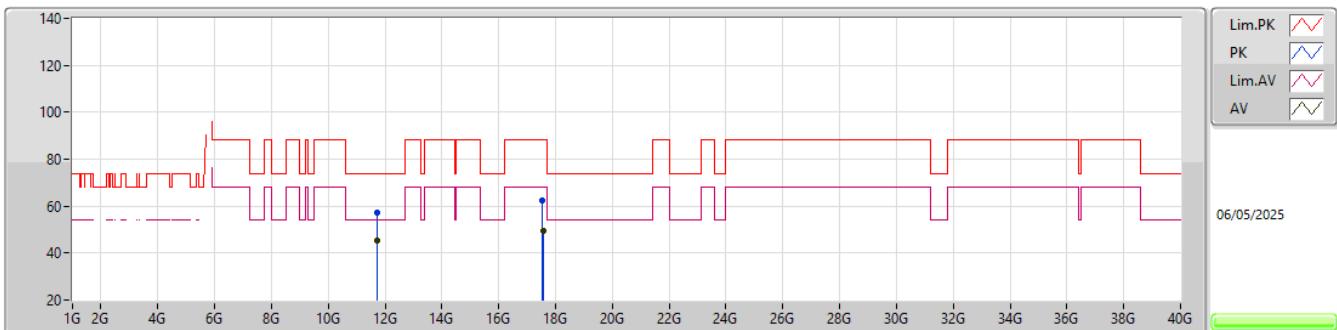
5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
5855MHz_TX


EUT X_2TX
Setting 20
01-U-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.6405G	61.30	68.20	-6.90	52.62	3	Horizontal	283	1.80	-	33.98	7.15	32.45			
PK	5.8265G	99.45	Inf	-Inf	90.17	3	Horizontal	283	1.80	-	34.36	7.37	32.45			
RMS	5.8465G	88.91	Inf	-Inf	79.50	3	Horizontal	283	1.80	-	34.48	7.38	32.45			
PK	5.945G	67.74	88.20	-20.46	57.65	3	Horizontal	283	1.80	-	35.07	7.46	32.44			
RMS	5.9265G	56.66	68.20	-11.54	46.70	3	Horizontal	283	1.80	-	34.96	7.44	32.44			

5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
5855MHz_TX

EUT X_2TX
Setting 20
01-U-G-5

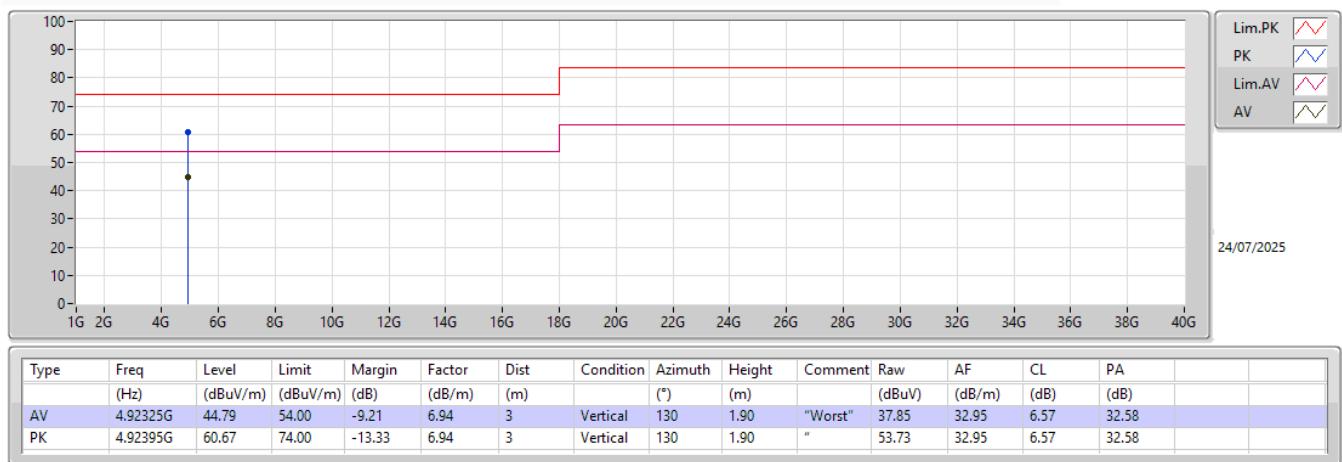
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (*)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.72449G	57.48	74.00	-16.52	51.79	3	Vertical	253	1.90	-	38.90	12.08	45.29			
AV	11.71453G	45.72	54.00	-8.28	40.04	3	Vertical	253	1.90	-	38.90	12.07	45.29			
PK	17.55369G	62.06	88.20	-26.14	50.81	3	Vertical	279	1.84	-	41.60	14.10	44.45			
RMS	17.55867G	49.84	68.20	-18.36	38.59	3	Vertical	279	1.84	-	41.60	14.10	44.45			

5.725-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_2TX
5855MHz_TX

EUT X_2TX
Setting 20
01-U-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition (*)	Azimuth (m)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	11.71603G	57.46	74.00	-16.54	51.78	3	Horizontal	126	1.81	-	38.90	12.07	45.29			
AV	11.71741G	45.44	54.00	-8.56	39.76	3	Horizontal	126	1.81	-	38.90	12.07	45.29			
PK	17.55009G	62.37	88.20	-25.83	51.12	3	Horizontal	146	1.74	-	41.60	14.10	44.45			
RMS	17.55744G	49.65	68.20	-18.55	38.40	3	Horizontal	146	1.74	-	41.60	14.10	44.45			

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.92325G	44.79	54.00	-9.21	Vertical

Mode 1


Mode 1
