



RADIO TEST REPORT

FCC ID : Z8H89FT0088
Equipment : ePMP 5 GHz Force 4518 SM
Brand Name : Cambium Networks
Model Name : ePMP 5 GHz Force 4518 SM
Model Number : C058940P132A
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 Nov. 28, 2024, and testing was started from Dec. 03, 2024 and completed on May 20, 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 C63.10-2013 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	-

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/manufacture 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: Muse Chan**



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5725-5850	a, n (HT20), ac (VHT20), ax (HEW20)	5745-5825	149-165 [5]
5725-5850	n (HT40), ac (VHT40), ax (HEW40)	5755-5795	151-159 [2]
5725-5850	ac (VHT80), ax (HEW80)	5775	155 [1]

Band	Mode	BWch (MHz)	Nant
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, 1024QAM modulation.
- HEW20, HEW40 and HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Antenna Polarization	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	2	Vertical	Cambium	Force 4518	Patch	I-Pex	17.89
2	1	Horizontal	Cambium	Force 4518	Patch	I-Pex	15.43

Note1: The antenna is the cross-polarized antenna; it doesn't need to evaluate array gain.

Note2: The above information was declared by manufacturer.

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.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.64	1.94	1.977m	1k
802.11ax HEW20	0.923	0.35	5.446m	200
802.11ax HEW40	0.919	0.37	5.446m	200
802.11ax HEW80	0.921	0.36	5.446m	200

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	Power from PoE			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☐	Indoor P2M
	☒	Fixed P2P	☐	Client
	☐	Point-to-multipoint	☒	Point-to-point
Channel Puncturing Function	☐	Supported Static Puncturing		
	☐	Supported Dynamic Puncturing (Reduce BW)		
	☒	Unsupported		
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	QRCT 4.0.00194.0			

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 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 ISCED.				

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Ken Yeh	21.2~22.6 / 59~61	May 09, 2025~ May 10, 2025
Radiated below 1 GHz	03CH05-CB	Viola Huang	21.6~22.7 / 56~59	May 15, 2025~ May 19, 2025
Radiated above 1 GHz	03CH03-CB	Young Yang	21.6~23.1 / 58~62	Dec. 03, 2024~ May 13, 2025
AC Conduction	CO01-CB	Joe Chu	21~22 / 57~58	May 20, 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))

Parameter	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
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%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.11a_Nss1,(6Mbps)_2TX
5745MHz
5785MHz
5825MHz
802.11ax HEW20_Nss1,(MCS0)_2TX
5745MHz
5785MHz
5825MHz
802.11ax HEW40_Nss1,(MCS0)_2TX
5755MHz
5795MHz
802.11ax HEW80_Nss1,(MCS0)_2TX
5775MHz

Note:

- ♦ HEW20 / HEW40 / HEW80 covers HT20 / HT40 / VHT20 / VHT40 / VHT80 due to similar modulation. The power setting for HT20 / HT40 / VHT20 / VHT40 / VHT80 is 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	EUT + PoE 1
2	EUT + PoE 2
For operating mode 2 is the worst case and it was record in this test report.	



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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
	After evaluating, and the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.
1	EUT in Y axis + PoE 1
2	EUT in Y axis + PoE 2
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX (Cabinet)
	After evaluating, and the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Conducted measurement at transmit chains
Operating Mode > 1GHz	CTX (Harmonic & Bandedge)
1	EUT

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 5GHz UNII 3
Refer to Sporton Test Report No.: FA472329-01 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:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
PoE 1	CWT	P015P01	INPUT: 100-240V~, 0.5A, 50/60Hz OUTPUT: 30.0V, 0.5A, 15.0W
PoE 2	CWT	P015U06	AC INPUT: 100-240V~, 0.5A, 50/60Hz DC OUTPUT: 56.0V, 0.268A, 15.0W

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	5G Divce	Cambium	Force 4518	N/A
C	PoE 1	CWT	P015P01	N/A
D	5G Divce NB	DELL	E6430	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E6230	N/A
B	NB	DELL	E6230	N/A

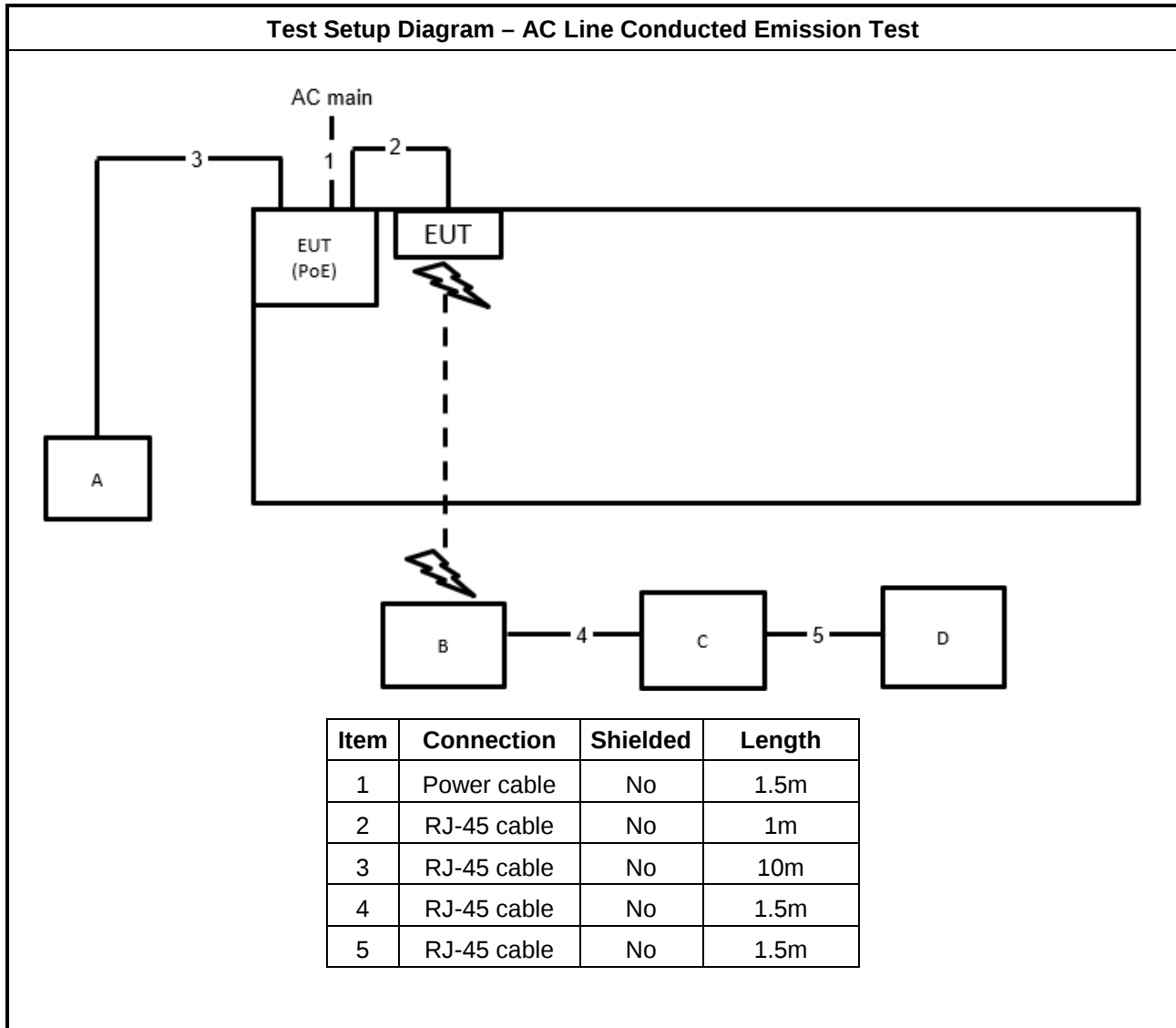
For Radiated (above 1GHz):

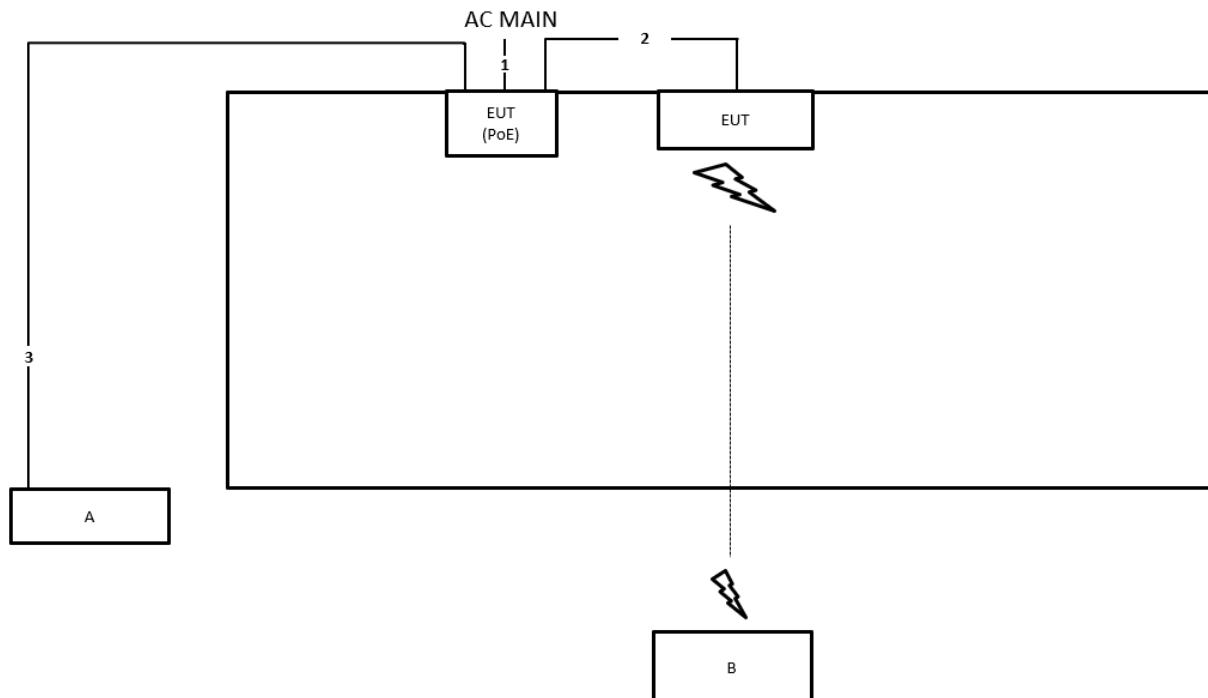
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E6230	N/A

For RF Conducted:

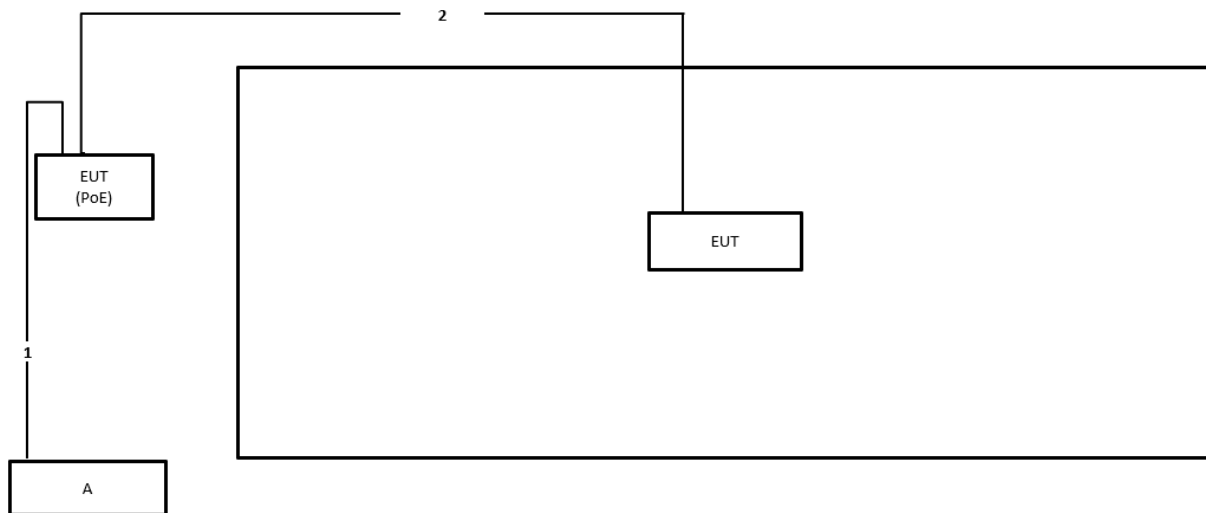
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	Lenovo	ThinkBook 15 G4 IAP	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


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

Test Setup Diagram - Radiated Test > 1GHz


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

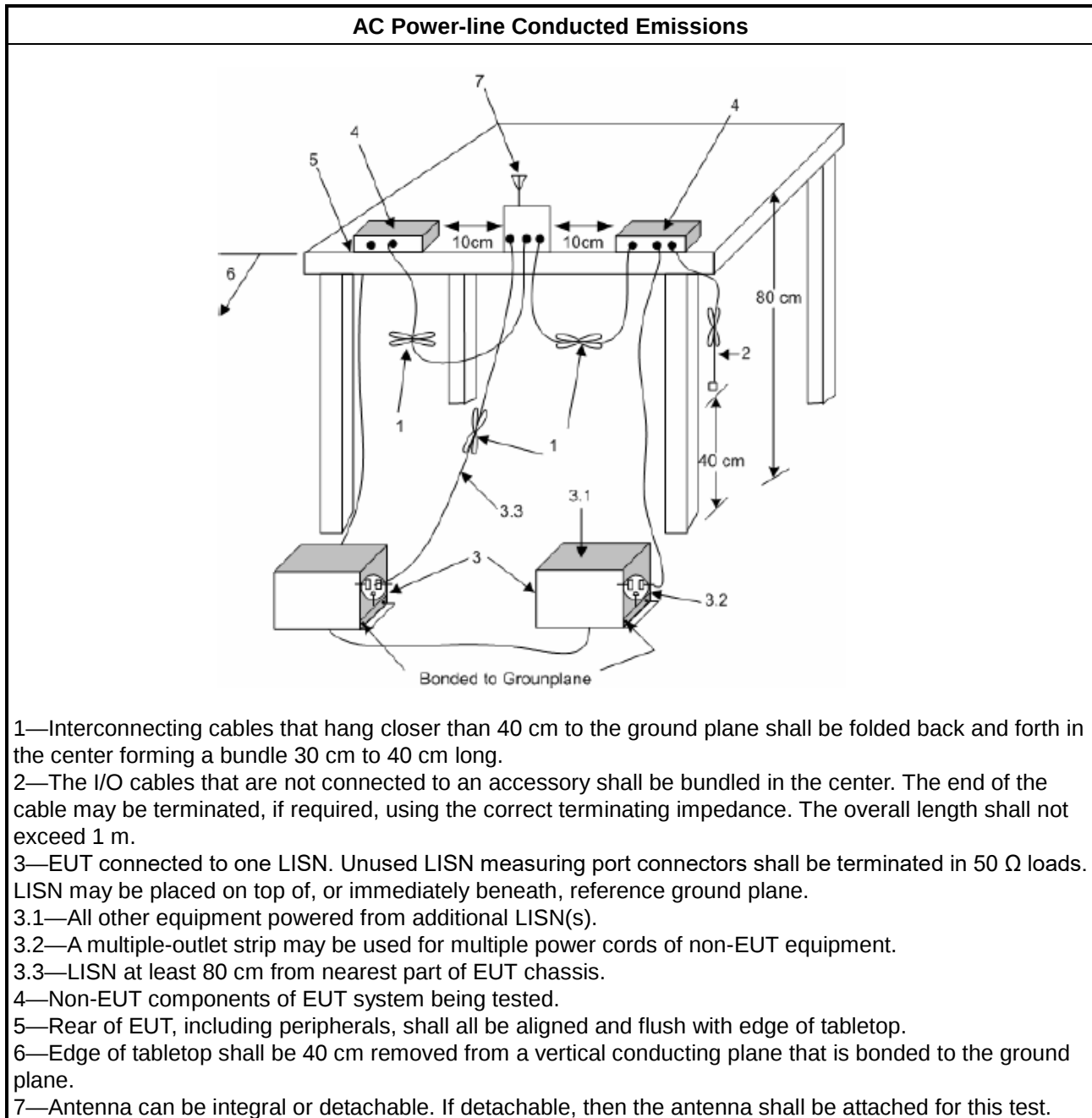
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



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 $\geq 500\text{kHz}$.

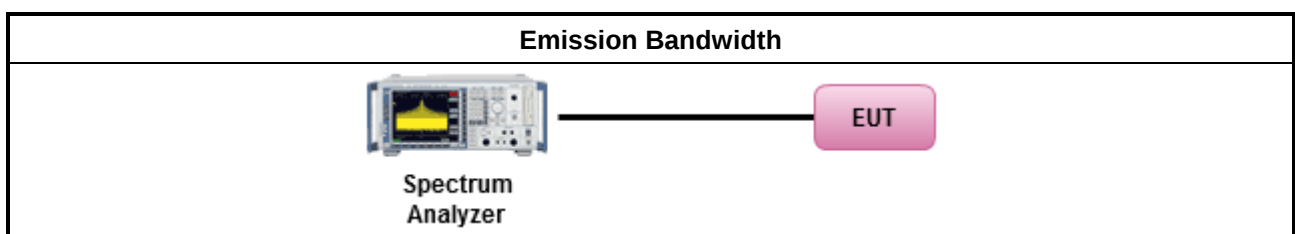
3.2.2 Measuring Instruments

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:	
☐	- For other devices: 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. - Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐ For the 5.25-5.35 GHz band:	
☐	- For other devices: The maximum conducted output power shall not exceed 250 mW or 11 + 10 log 10 B, dBm, and 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 - Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 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 conducted output power shall not exceed 250 mW or 11 + 10 log 10 B, dBm, and 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.	

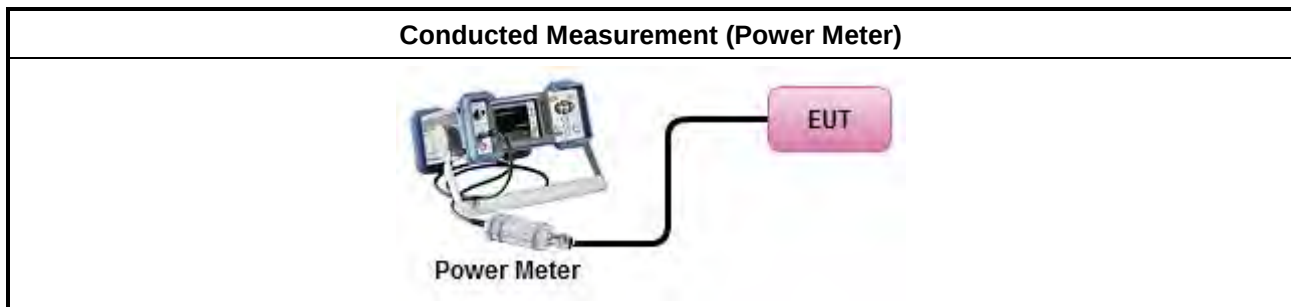
3.3.2 Measuring Instruments

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.	

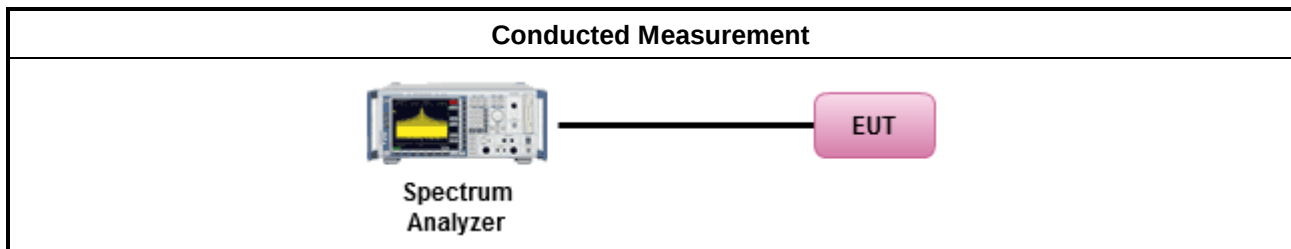
3.4.2 Measuring Instruments

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. - 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.

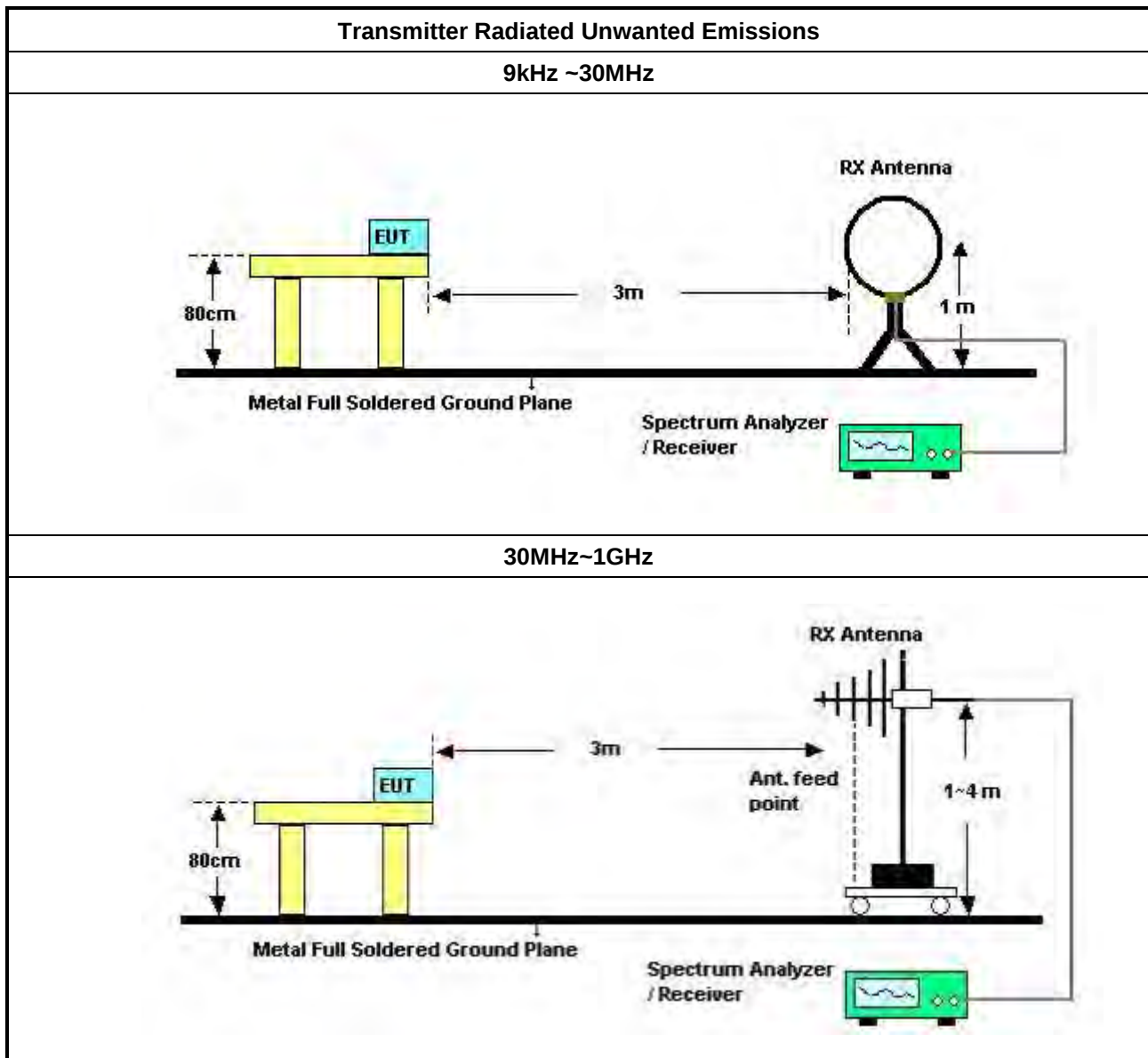
3.5.3 Test Procedures

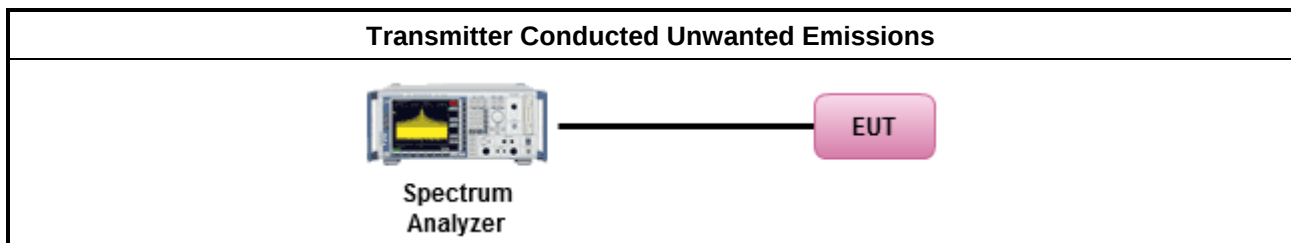
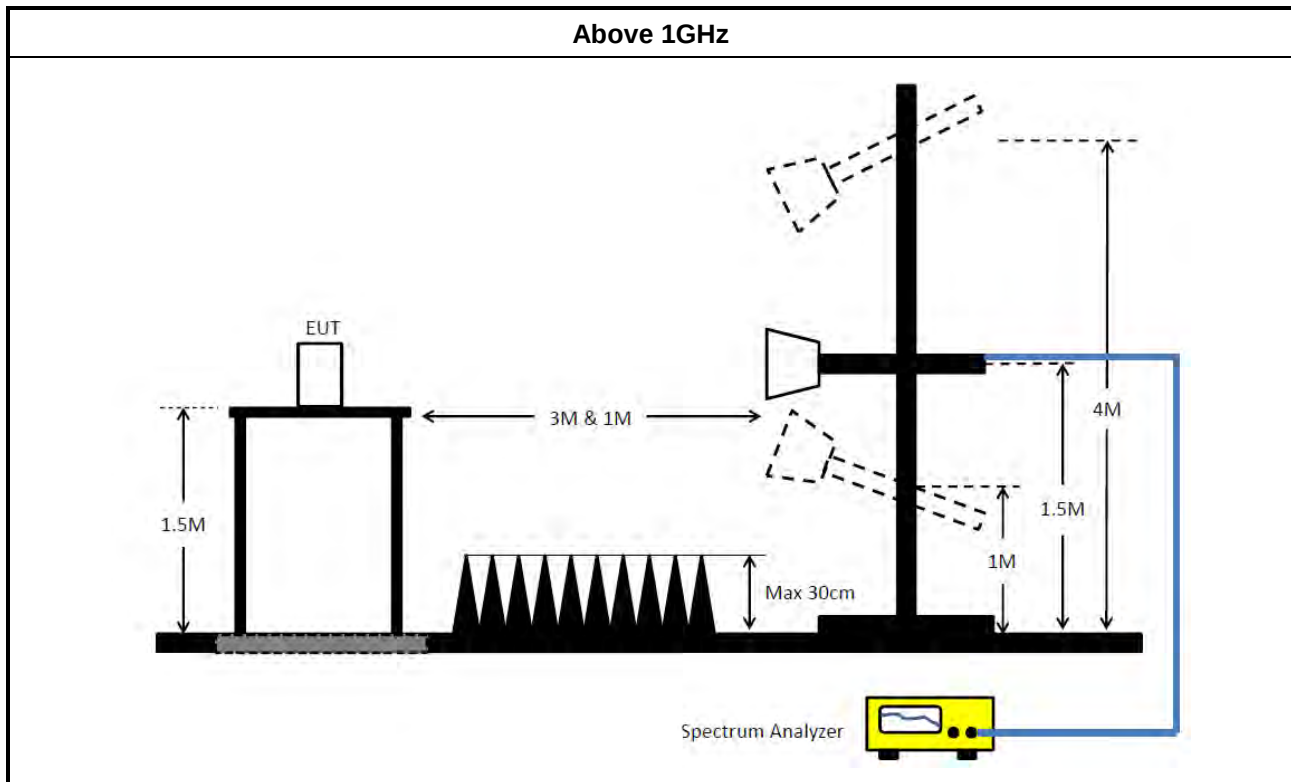
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 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.
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





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 (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 01, 2024	Jul. 31, 2025	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 22, 2025	Mar. 21, 2026	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2025	Apr. 30, 2026	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 21, 2025	Apr. 20, 2026	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 03, 2024	May 02, 2025	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 02, 2025	May 01, 2026	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Jul. 11, 2024	Jul. 10, 2025	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 11, 2024	Jun. 10, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE-1540 7_NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2024	May 26, 2025	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~18 GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	1339408	300MHz~40GHz	Sep. 13, 2024	Sep. 12, 2025	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1517009	300MHz~40GHz	Sep. 13, 2024	Sep. 12, 2025	Conducted (TH01-CB)
Test Software	SPORTON	SENSE-1540 7_NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

NCR means Non-Calibration required.



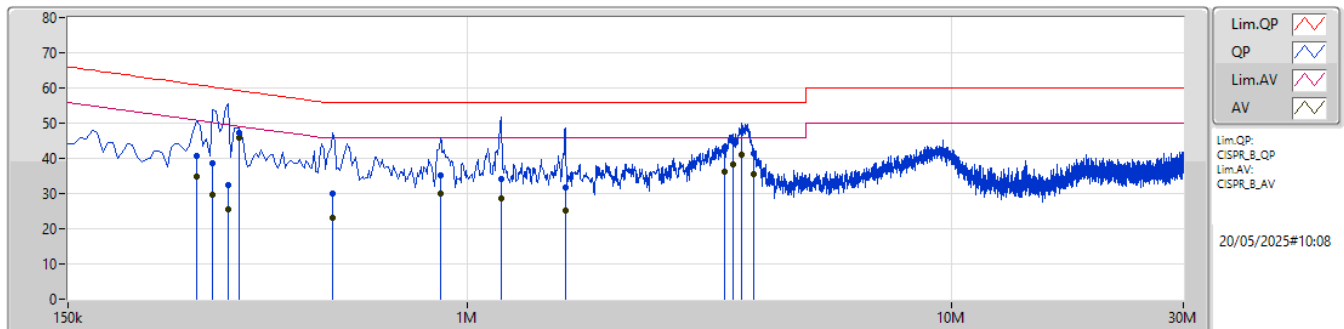
Conducted Emissions at Powerline

Appendix A

Summary

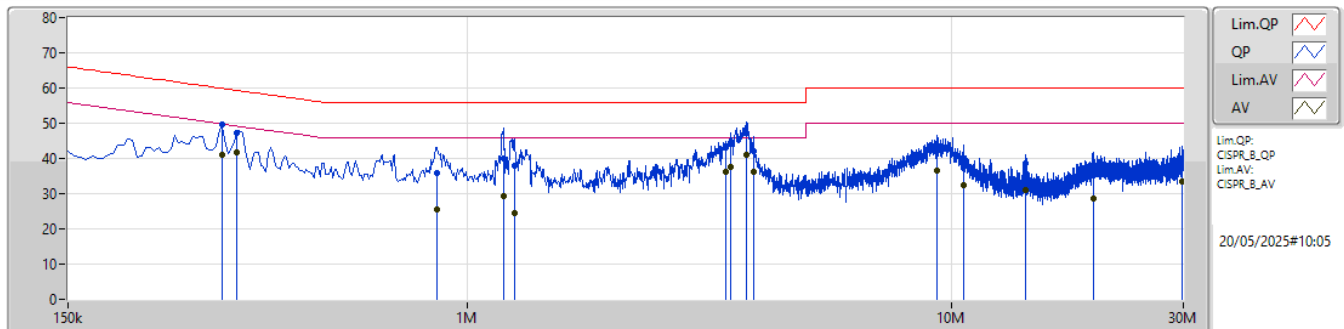
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	339k	45.70	49.23	-3.53	Line

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	276k	40.64	60.93	-20.29	10.14	Line	-	30.50	0.06	0.08	10.00						
AV	276k	34.99	50.93	-15.94	10.14	Line	-	24.85	0.06	0.08	10.00						
QP	298.5k	38.74	60.28	-21.54	10.15	Line	-	28.59	0.05	0.09	10.01						
AV	298.5k	29.56	50.28	-20.72	10.15	Line	-	19.41	0.05	0.09	10.01						
QP	321k	32.27	59.67	-27.40	10.17	Line	-	22.10	0.05	0.09	10.03						
AV	321k	25.47	49.67	-24.20	10.17	Line	-	15.30	0.05	0.09	10.03						
QP	339k	47.32	59.23	-11.91	10.17	Line	-	37.15	0.05	0.09	10.03						
AV	339k	45.70	49.23	-3.53	10.17	Line	"Worst"	35.53	0.05	0.09	10.03						
QP	528k	29.90	56.00	-26.10	10.25	Line	-	19.65	0.06	0.10	10.09						
AV	528k	23.10	46.00	-22.90	10.25	Line	-	12.85	0.06	0.10	10.09						
QP	879k	35.22	56.00	-20.78	10.32	Line	-	24.90	0.08	0.09	10.15						
AV	879k	30.11	46.00	-15.89	10.32	Line	-	19.79	0.08	0.09	10.15						
QP	1.172M	34.25	56.00	-21.75	10.29	Line	-	23.96	0.08	0.10	10.11						
AV	1.172M	28.74	46.00	-17.26	10.29	Line	-	18.45	0.08	0.10	10.11						
QP	1.595M	31.75	56.00	-24.25	10.23	Line	-	21.52	0.09	0.12	10.02						
AV	1.595M	25.18	46.00	-20.82	10.23	Line	-	14.95	0.09	0.12	10.02						
QP	3.39M	43.03	56.00	-12.97	10.18	Line	-	32.85	0.12	0.15	9.91						
AV	3.39M	36.21	46.00	-9.79	10.18	Line	-	26.03	0.12	0.15	9.91						
QP	3.525M	44.99	56.00	-11.01	10.18	Line	-	34.81	0.12	0.15	9.91						
AV	3.525M	38.27	46.00	-7.73	10.18	Line	-	28.09	0.12	0.15	9.91						
QP	3.678M	47.53	56.00	-8.47	10.19	Line	-	37.34	0.13	0.15	9.91						
AV	3.678M	41.08	46.00	-4.92	10.19	Line	-	30.89	0.13	0.15	9.91						
QP	3.903M	41.42	56.00	-14.58	10.18	Line	-	31.24	0.13	0.15	9.90						
AV	3.903M	35.66	46.00	-10.34	10.18	Line	-	25.48	0.13	0.15	9.90						

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	312k	49.66	59.92	-10.26	10.19	Neutral	-	39.47	0.08	0.09	10.02						
AV	312k	40.99	49.92	-8.93	10.19	Neutral	-	30.80	0.08	0.09	10.02						
QP	334.5k	47.07	59.35	-12.28	10.20	Neutral	-	36.87	0.08	0.09	10.03						
AV	334.5k	41.86	49.35	-7.49	10.20	Neutral	-	31.66	0.08	0.09	10.03						
QP	865.5k	35.88	56.00	-20.12	10.32	Neutral	-	25.56	0.09	0.09	10.14						
AV	865.5k	25.57	46.00	-20.43	10.32	Neutral	-	15.25	0.09	0.09	10.14						
QP	1.185M	40.15	56.00	-15.85	10.30	Neutral	-	29.85	0.09	0.10	10.11						
AV	1.185M	29.25	46.00	-16.75	10.30	Neutral	-	18.95	0.09	0.10	10.11						
QP	1.253M	37.93	56.00	-18.07	10.30	Neutral	-	27.63	0.10	0.11	10.09						
AV	1.253M	24.33	46.00	-21.67	10.30	Neutral	-	14.03	0.10	0.11	10.09						
QP	3.413M	43.06	56.00	-12.94	10.21	Neutral	-	32.85	0.15	0.15	9.91						
AV	3.413M	36.20	46.00	-9.80	10.21	Neutral	-	25.99	0.15	0.15	9.91						
QP	3.498M	44.56	56.00	-11.44	10.21	Neutral	-	34.35	0.15	0.15	9.91						
AV	3.498M	37.69	46.00	-8.31	10.21	Neutral	-	27.48	0.15	0.15	9.91						
QP	3.773M	47.36	56.00	-8.64	10.21	Neutral	-	37.15	0.16	0.15	9.90						
AV	3.773M	41.00	46.00	-5.00	10.21	Neutral	"Worst"	30.79	0.16	0.15	9.90						
QP	3.894M	41.94	56.00	-14.06	10.21	Neutral	-	31.73	0.16	0.15	9.90						
AV	3.894M	36.05	46.00	-9.95	10.21	Neutral	-	25.84	0.16	0.15	9.90						
QP	9.29M	42.57	60.00	-17.43	10.23	Neutral	-	32.34	0.25	0.15	9.83						
AV	9.29M	36.39	50.00	-13.61	10.23	Neutral	-	26.16	0.25	0.15	9.83						
QP	10.536M	38.41	60.00	-21.59	10.25	Neutral	-	28.16	0.26	0.16	9.83						
AV	10.536M	32.27	50.00	-17.73	10.25	Neutral	-	22.02	0.26	0.16	9.83						
QP	14.172M	38.55	60.00	-21.45	10.41	Neutral	-	28.14	0.29	0.21	9.91						
AV	14.172M	31.00	50.00	-19.00	10.41	Neutral	-	20.59	0.29	0.21	9.91						
QP	19.527M	35.29	60.00	-24.71	10.57	Neutral	-	24.72	0.31	0.32	9.94						
AV	19.527M	28.73	50.00	-21.27	10.57	Neutral	-	18.16	0.31	0.32	9.94						
QP	29.841M	40.06	60.00	-19.94	10.79	Neutral	-	29.27	0.48	0.33	9.98						
AV	29.841M	33.53	50.00	-16.47	10.79	Neutral	-	22.74	0.48	0.33	9.98						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.445M	16.428M	16M4D1D	16.005M	16.322M
802.11ax HEW20_Nss1,(MCS0)_2TX	19.03M	19.007M	19M0D1D	18.975M	18.889M
802.11ax HEW40_Nss1,(MCS0)_2TX	38.28M	37.868M	37M9D1D	38.06M	37.57M
802.11ax HEW80_Nss1,(MCS0)_2TX	77.66M	77.276M	77M3D1D	75.02M	77.176M

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

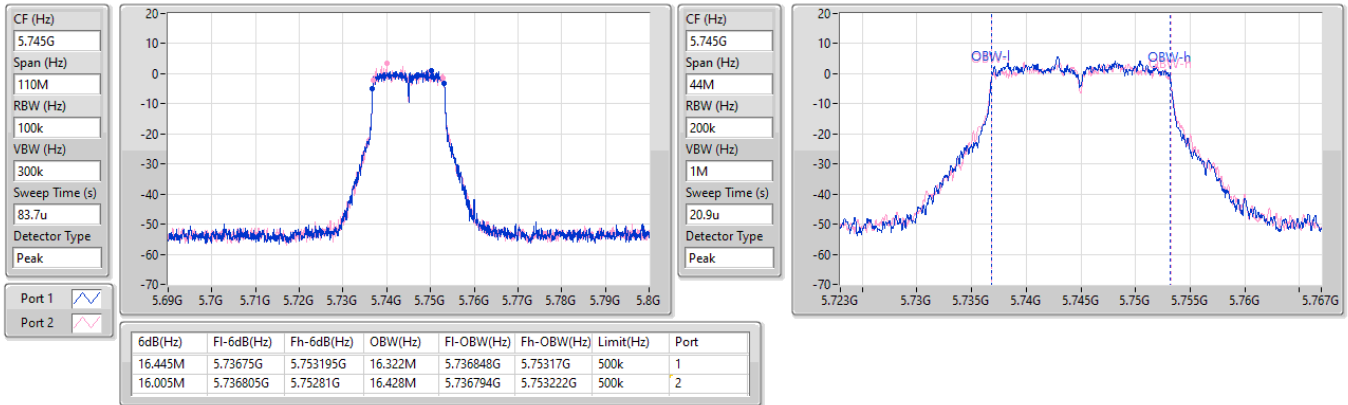
Result

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	-	-	-	-	-	-
5745MHz	Pass	500k	16.445M	16.322M	16.005M	16.428M
5785MHz	Pass	500k	16.39M	16.364M	16.39M	16.387M
5825MHz	Pass	500k	16.445M	16.358M	16.335M	16.421M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	500k	19.03M	18.889M	19.03M	19.007M
5785MHz	Pass	500k	19.03M	18.925M	19.03M	18.895M
5825MHz	Pass	500k	19.03M	18.906M	18.975M	18.892M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz	Pass	500k	38.28M	37.868M	38.06M	37.661M
5795MHz	Pass	500k	38.06M	37.57M	38.17M	37.728M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	500k	77.66M	77.176M	75.02M	77.276M

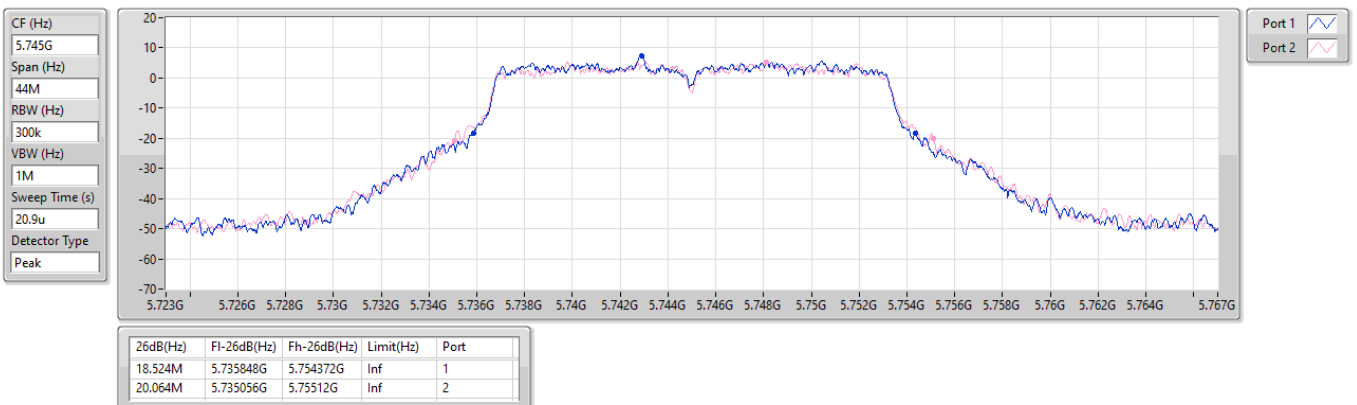
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

10/05/2025

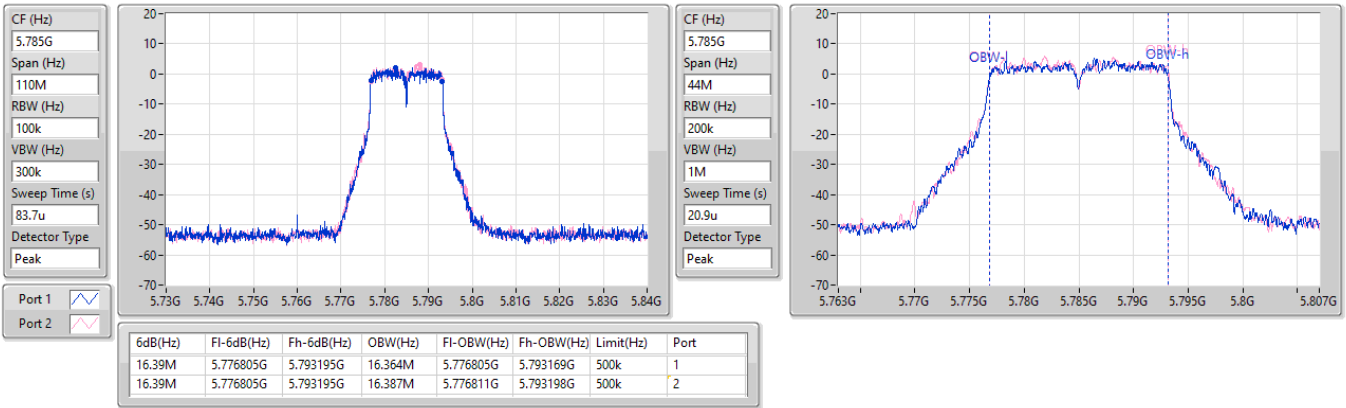

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz

10/05/2025

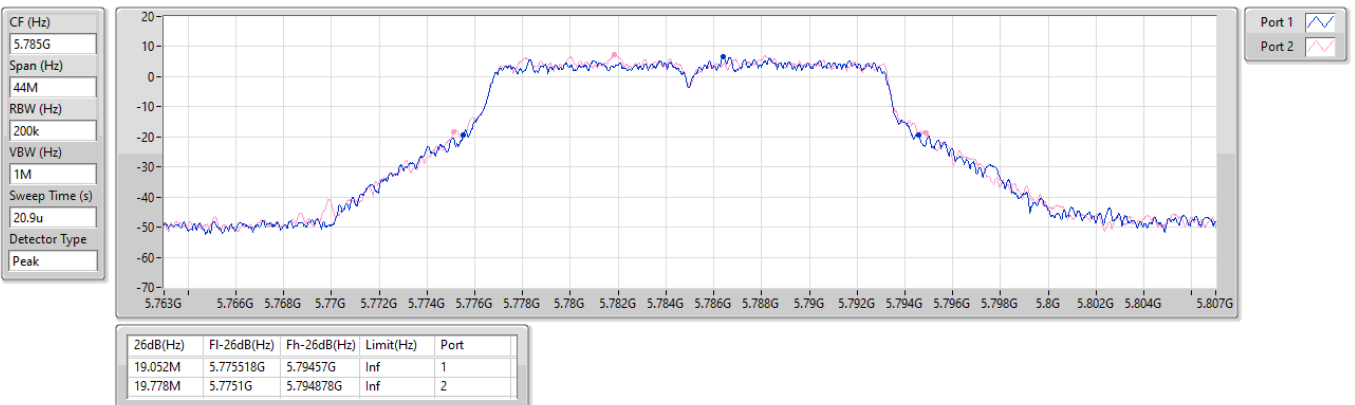


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5785MHz

10/05/2025

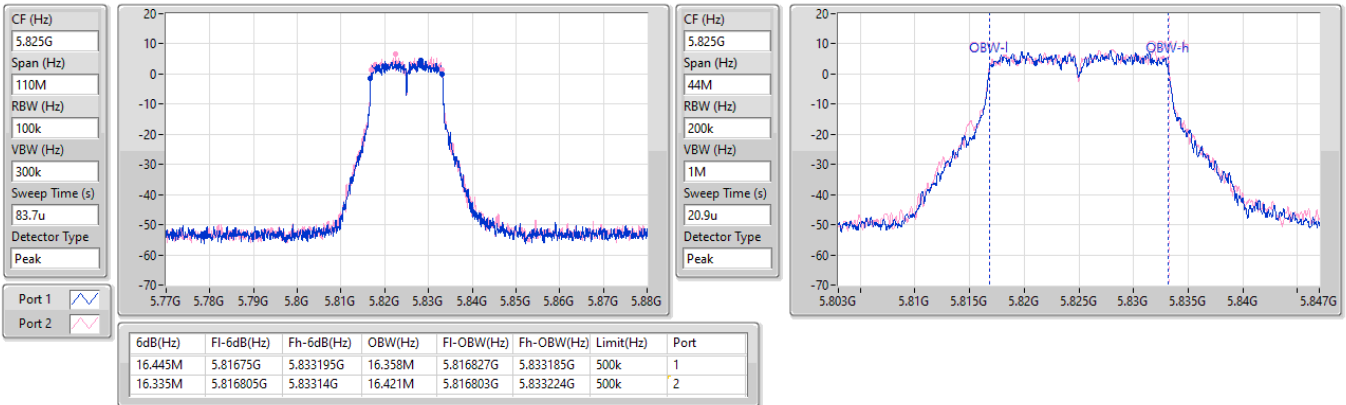

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5785MHz

10/05/2025

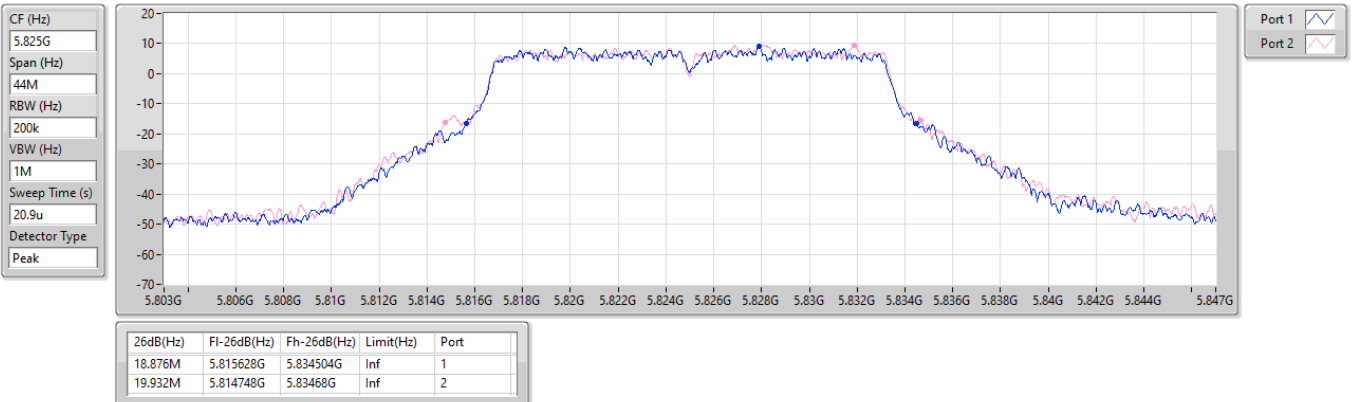


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5825MHz

10/05/2025


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

10/05/2025

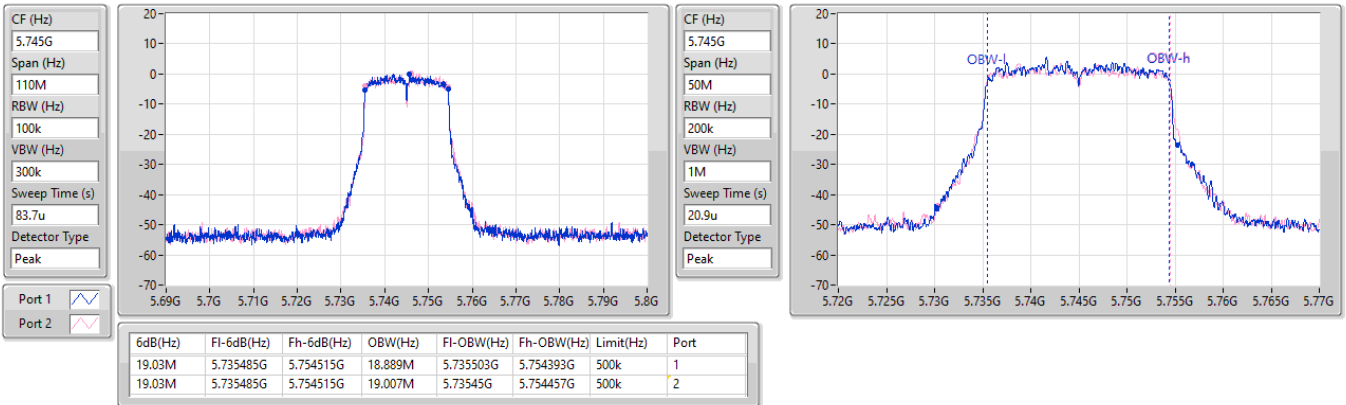


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5745MHz

10/05/2025

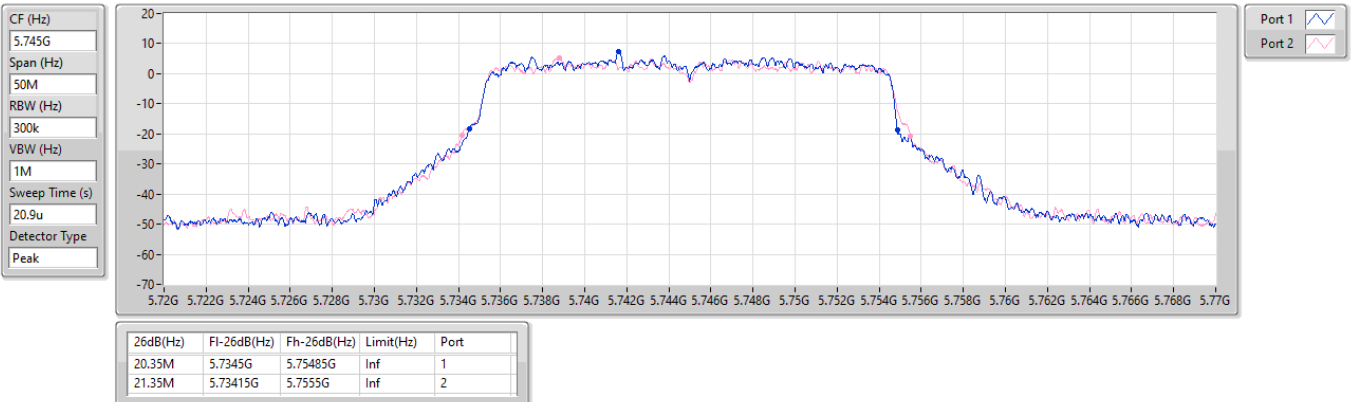


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

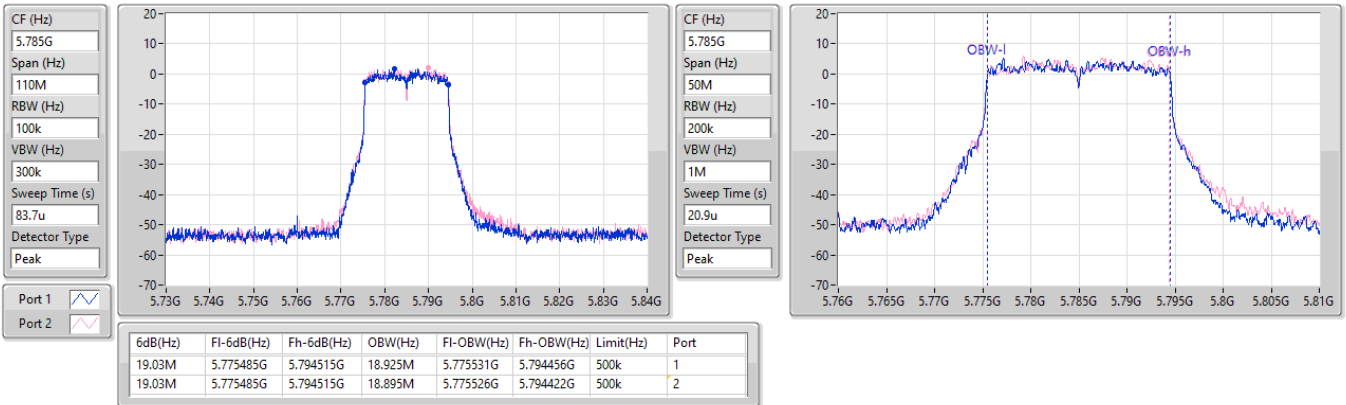
5745MHz

10/05/2025

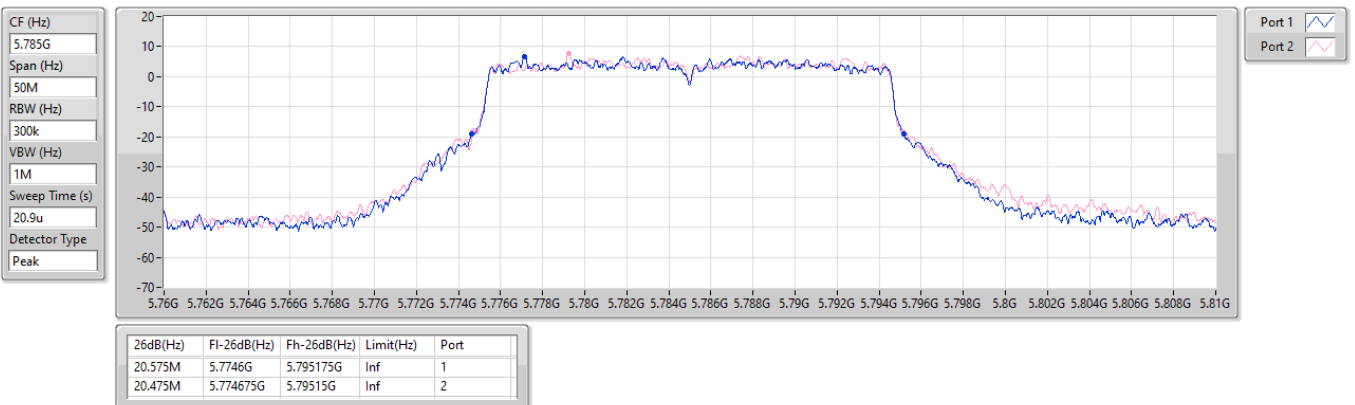


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5785MHz

10/05/2025


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5785MHz

10/05/2025

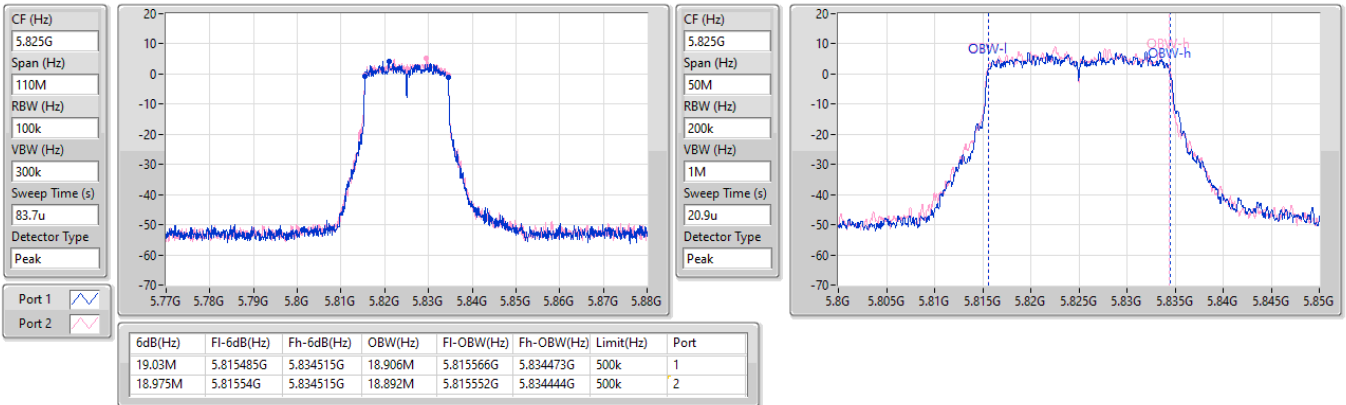


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5825MHz

10/05/2025

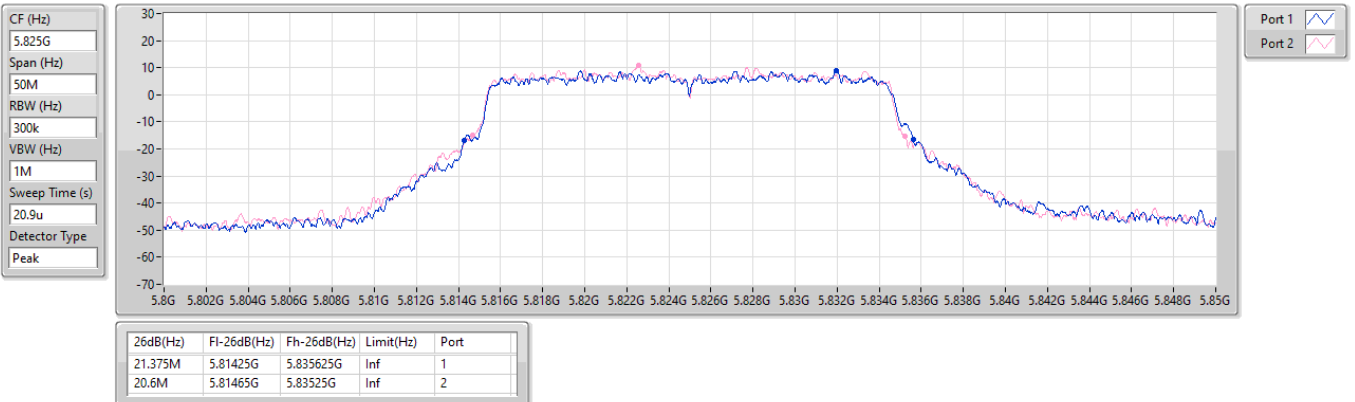


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5825MHz

10/05/2025

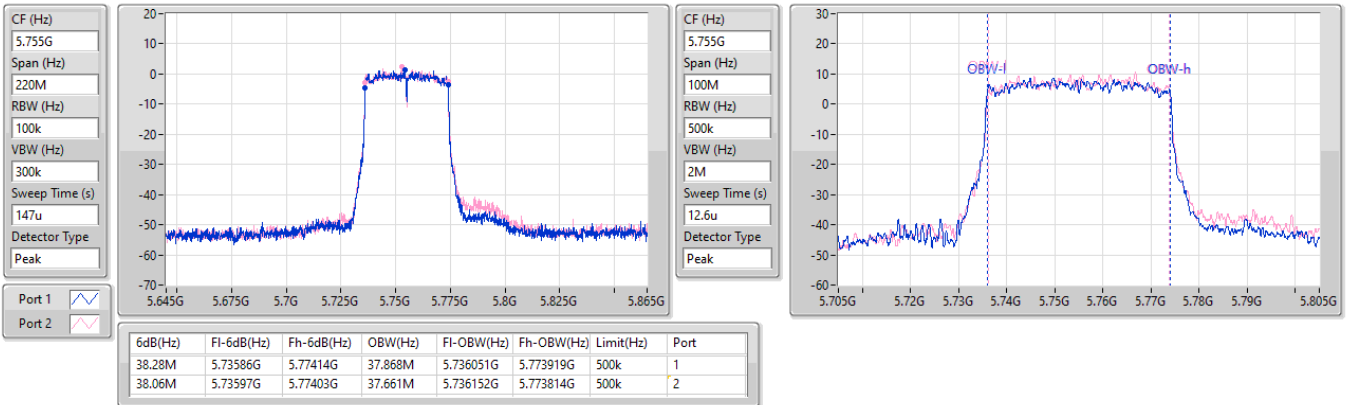


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

10/05/2025

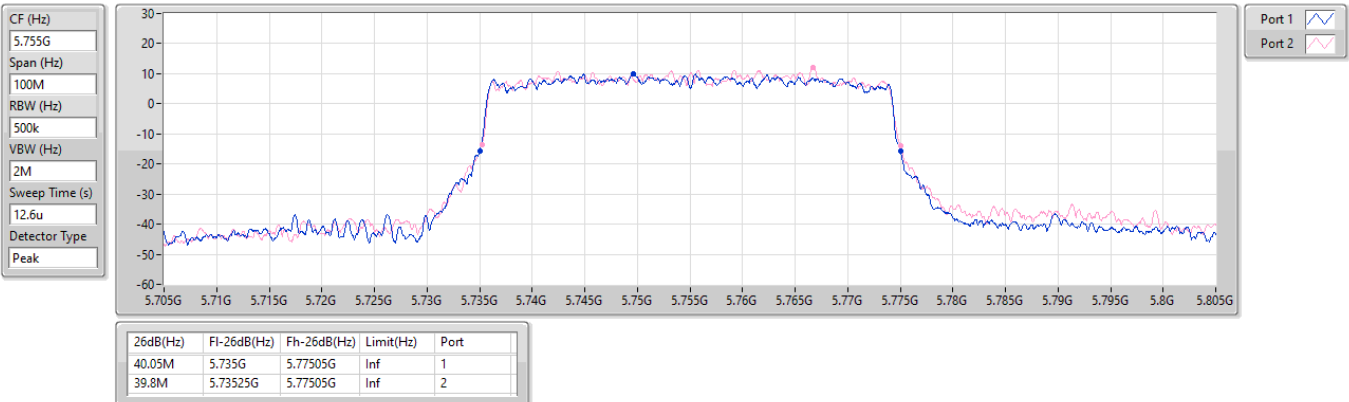


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

10/05/2025

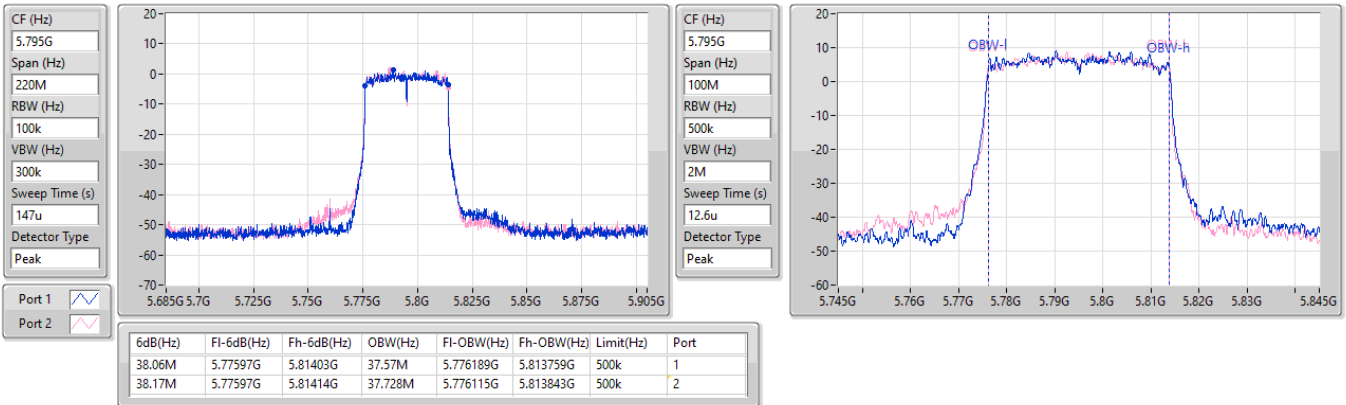


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

10/05/2025

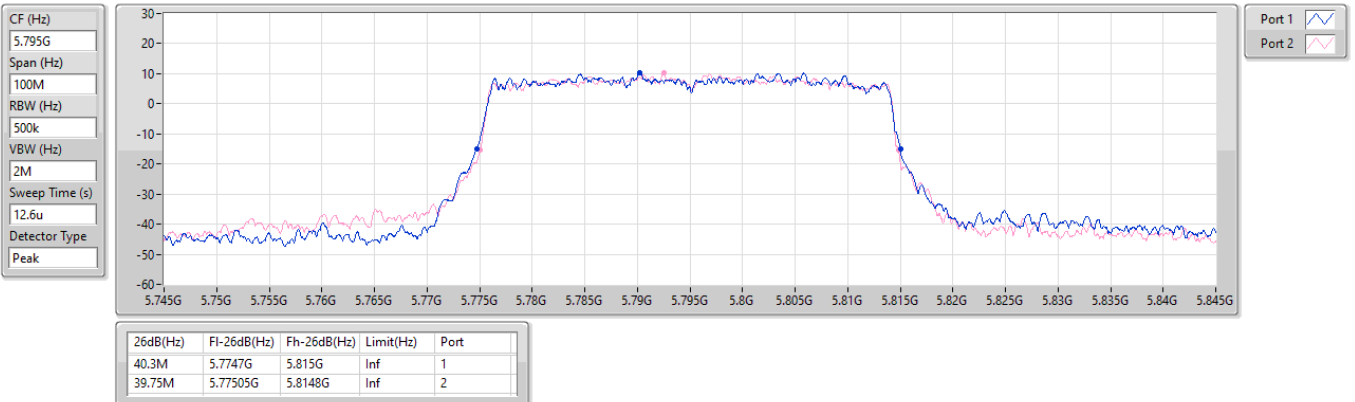


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

10/05/2025

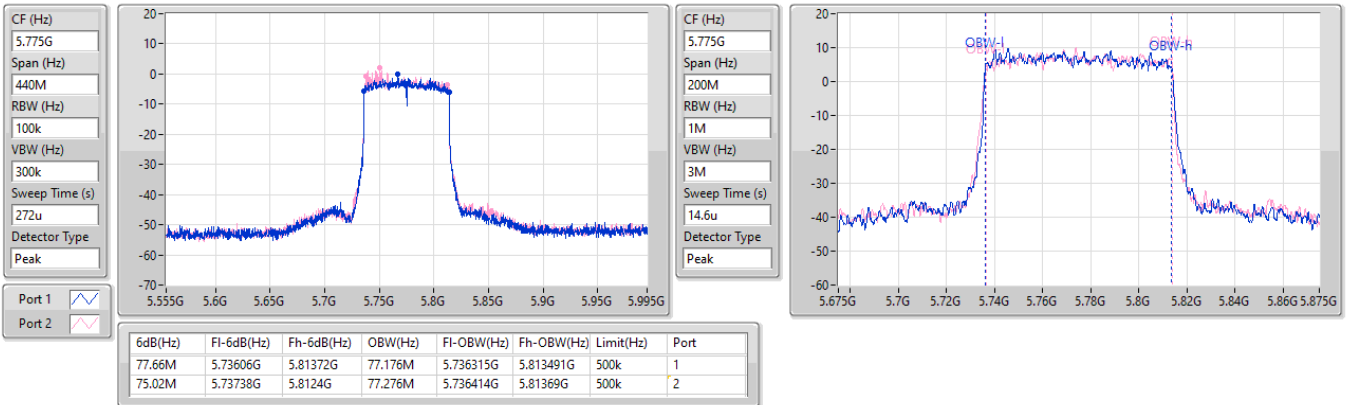


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

10/05/2025

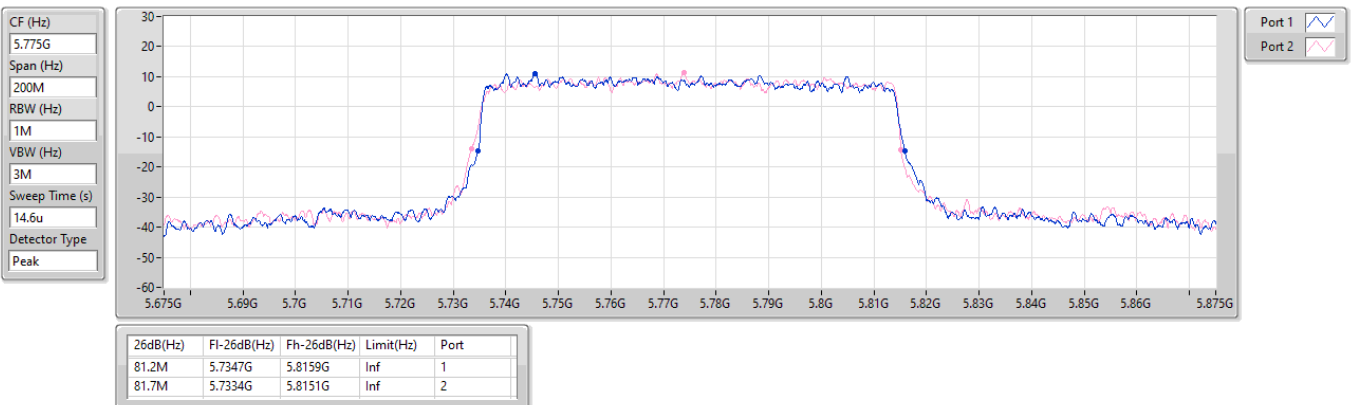


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

10/05/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.09	0.16181
802.11ax HEW20_Nss1,(MCS0)_2TX	21.81	0.15171
802.11ax HEW40_Nss1,(MCS0)_2TX	21.96	0.15704
802.11ax HEW80_Nss1,(MCS0)_2TX	21.89	0.15453



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5745MHz	Pass	17.89	15.71	15.42	18.58	30.00
5785MHz	Pass	17.89	16.40	16.89	19.66	30.00
5825MHz	Pass	17.89	18.78	19.36	22.09	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	17.89	15.10	14.81	17.97	30.00
5785MHz	Pass	17.89	16.25	16.76	19.52	30.00
5825MHz	Pass	17.89	18.34	19.21	21.81	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz	Pass	17.89	18.93	18.96	21.96	30.00
5795MHz	Pass	17.89	18.56	18.84	21.71	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	17.89	18.66	19.08	21.89	30.00

DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

Summary

Mode	PD (dBm/RBW)
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	7.66
802.11ax HEW20_Nss1,(MCS0)_2TX	6.80
802.11ax HEW40_Nss1,(MCS0)_2TX	3.91
802.11ax HEW80_Nss1,(MCS0)_2TX	0.85

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	-	-	-	-	-	-
5745MHz	Pass	17.89	1.26	1.08	4.06	30.00
5785MHz	Pass	17.89	2.05	2.70	5.21	30.00
5825MHz	Pass	17.89	4.35	5.17	7.66	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	17.89	0.08	-0.30	2.81	30.00
5785MHz	Pass	17.89	1.09	1.66	4.36	30.00
5825MHz	Pass	17.89	3.57	4.24	6.80	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz	Pass	17.89	0.92	1.05	3.91	30.00
5795MHz	Pass	17.89	0.69	0.91	3.71	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	17.89	-2.28	-1.78	0.85	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;
 Inf = There's no restriction for the limit.

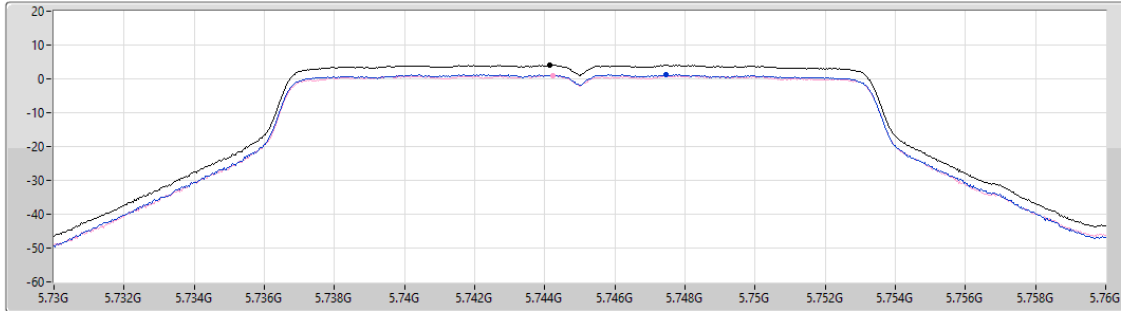
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

10/05/2025

CF (Hz)
5.745G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
4.06	4.06	1.26	1.08

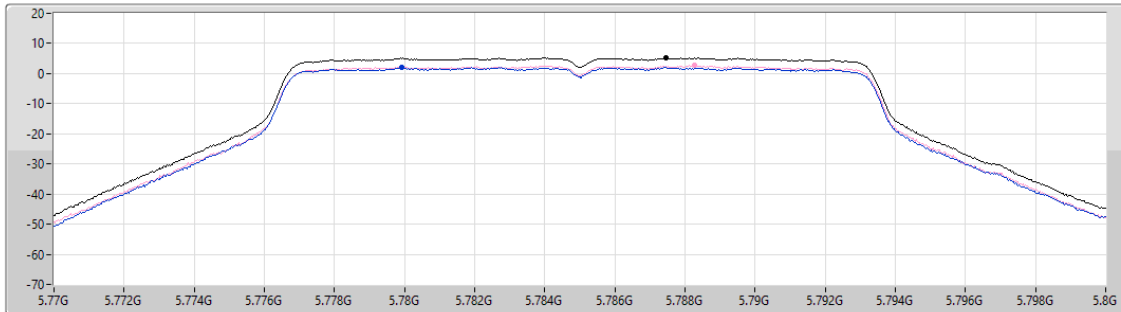
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

10/05/2025

CF (Hz)
5.785G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
5.21	5.21	2.05	2.70

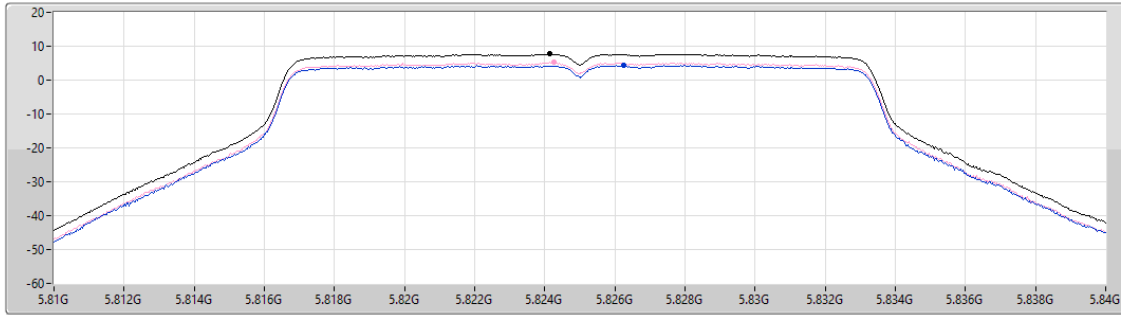
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

10/05/2025

CF (Hz)
5.825G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.66	7.66	4.35	5.17

Sum
Port 1
Port 2

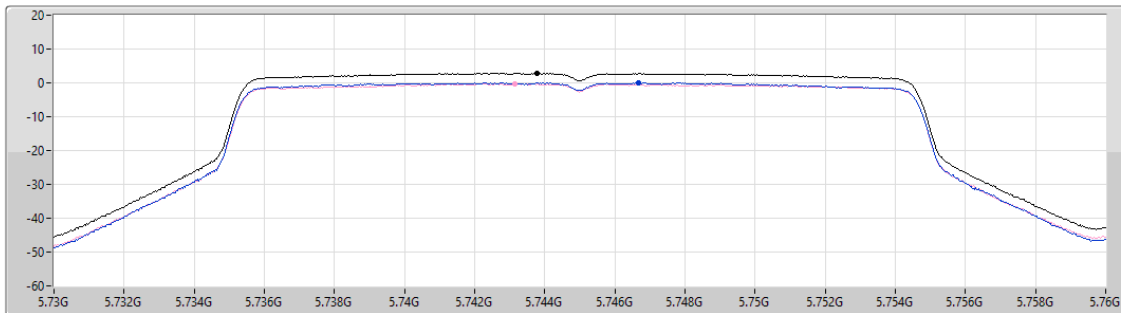
5.725-5.85GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

5745MHz

10/05/2025

CF (Hz)
5.745G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.81	2.81	0.08	-0.30

Sum
Port 1
Port 2

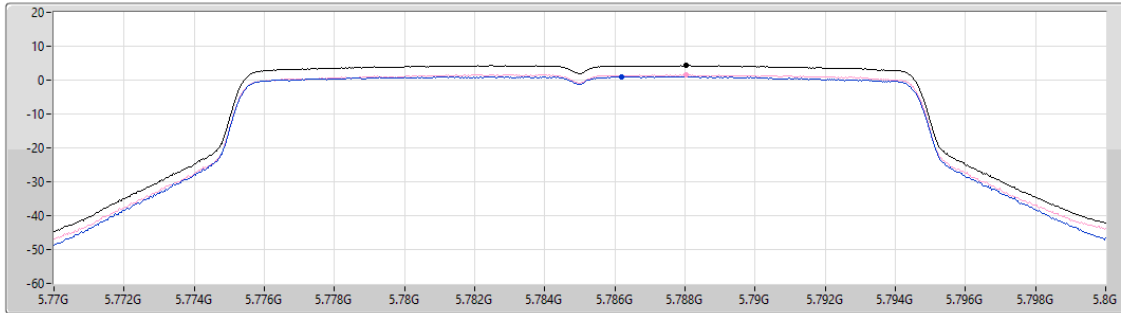
5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5785MHz

10/05/2025

CF (Hz)
5.785G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
4.36	4.36	1.09	1.66

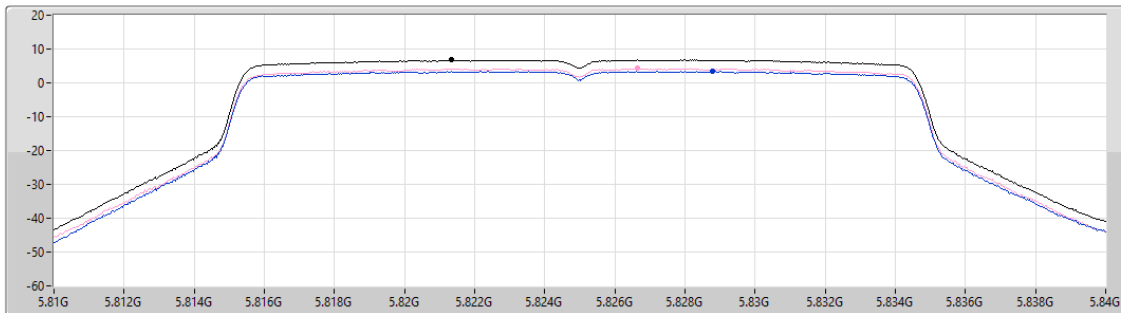
5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5825MHz

10/05/2025

CF (Hz)
5.825G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



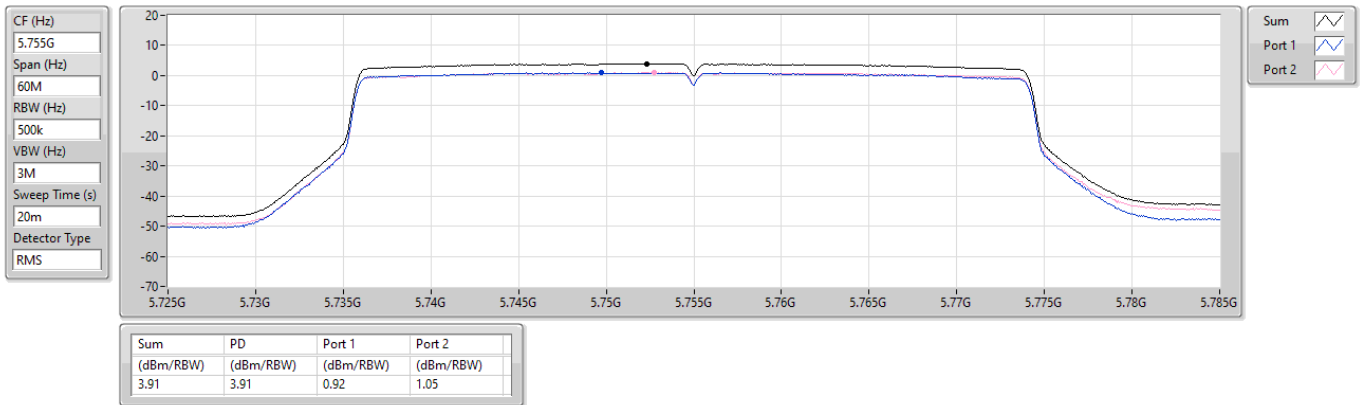
Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
6.80	6.80	3.57	4.24

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

PSD

5755MHz

10/05/2025

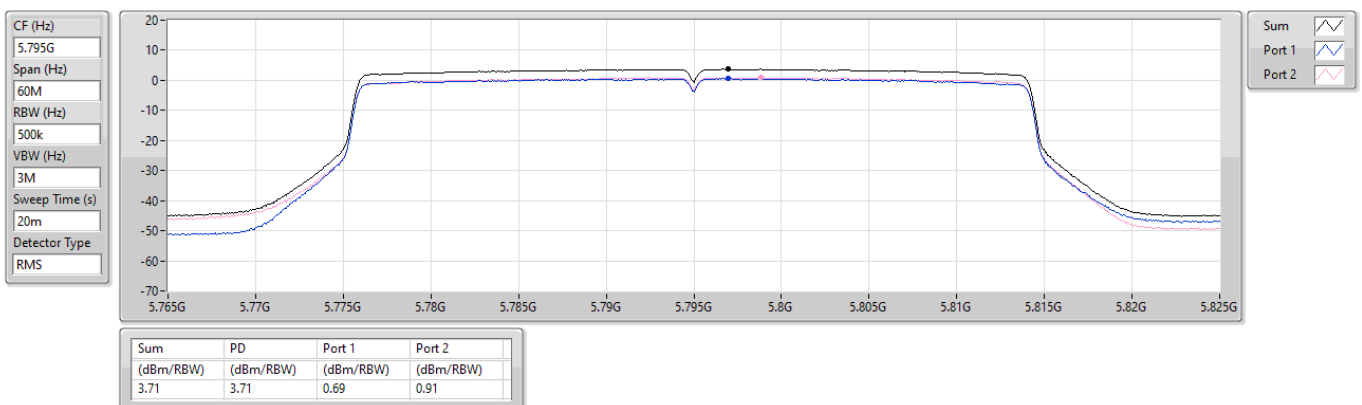


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5795MHz

10/05/2025

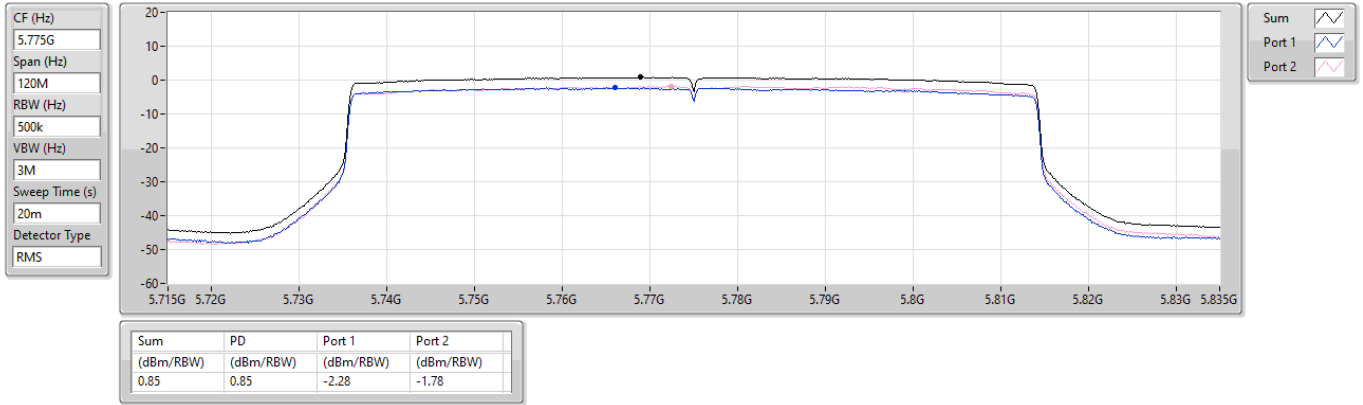


5.725-5.85GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

PSD

5775MHz

10/05/2025





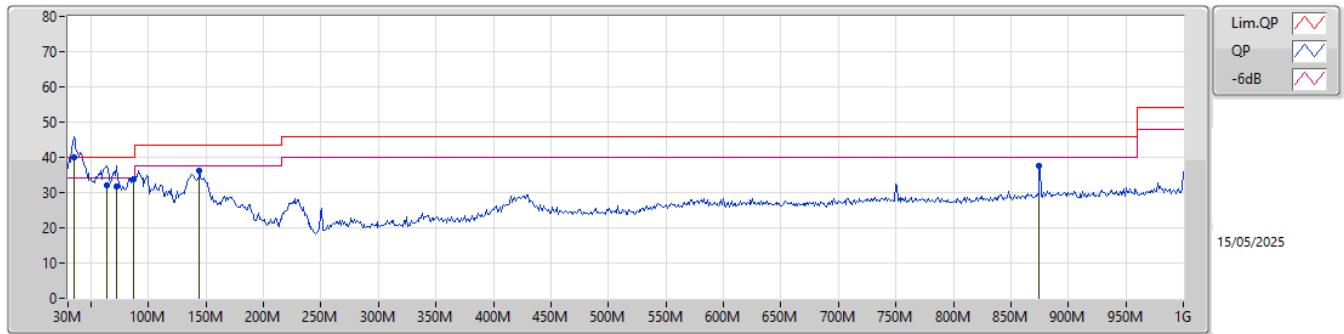
Radiated Emissions below 1GHz

Appendix E.1

Summary

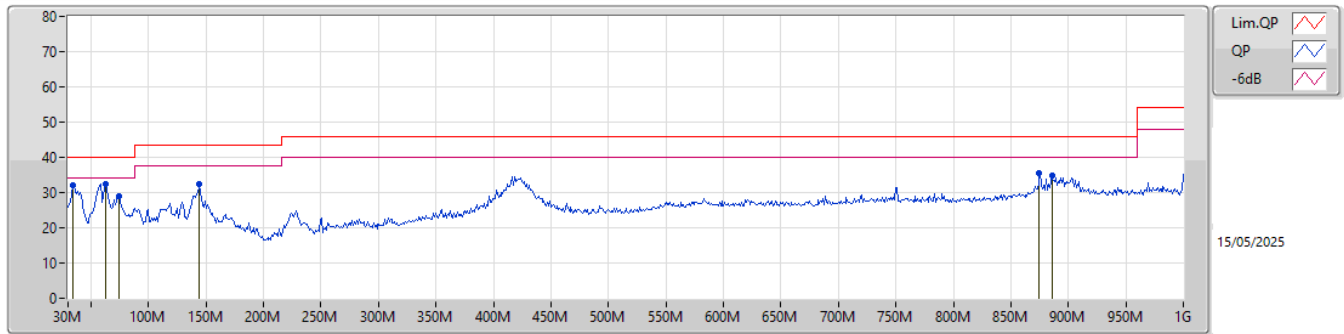
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	34.85M	39.87	40.00	-0.13	Vertical

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)	AF (dB/m)	CL (dB)	PA (dB)		
QP	34.85M	39.87	40.00	-0.13	-9.43	3	Vertical	186	1.00	"Worst"	49.30	21.38	1.01	31.82		
QP	63.95M	32.17	40.00	-7.83	-18.32	3	Vertical	275	1.25	-	50.49	12.39	1.27	31.98		
QP	71.71M	31.88	40.00	-8.12	-18.31	3	Vertical	314	2.00	-	50.19	12.34	1.33	31.98		
PK	87.23M	33.79	40.00	-6.21	-16.28	3	Vertical	69	1.25	-	50.07	14.29	1.45	32.02		
PK	144.46M	36.28	43.50	-7.22	-13.44	3	Vertical	191	1.00	-	49.72	16.83	1.82	32.09		
PK	874.87M	37.55	46.00	-8.45	-1.62	3	Vertical	212	1.00	-	39.17	26.33	4.60	32.55		

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)	AF (dB/m)	CL (dB)	PA (dB)		
PK	33.88M	31.90	40.00	-8.10	-8.98	3	Horizontal	147	1.50	-	40.88	21.95	1.00	31.93		
PK	62.98M	32.57	40.00	-7.43	-18.34	3	Horizontal	183	3.00	"Worst"	50.91	12.39	1.26	31.99		
PK	74.62M	29.01	40.00	-10.99	-18.04	3	Horizontal	205	3.00	-	47.05	12.59	1.36	31.99		
PK	144.46M	32.45	43.50	-11.05	-13.44	3	Horizontal	130	2.00	-	45.89	16.83	1.82	32.09		
PK	874.87M	35.64	46.00	-10.36	-1.62	3	Horizontal	23	1.25	-	37.26	26.33	4.60	32.55		
PK	885.54M	34.89	46.00	-11.11	-1.46	3	Horizontal	170	1.00	-	36.35	26.46	4.63	32.55		



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	EIRP (dBm)	Psum (dBm)	P1 (dBm)	P2 (dBm)	Limit (dBm)	Margin (dB)	DG (dBi)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1(6Mbps)_2TX	Pass	1G	8G	PK	-30.14	-48.03	-60.17	-48.30	-27.00	-3.14	17.89
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	1G	8G	PK	-31.23	-49.12	-57.81	-49.75	-27.00	-4.23	17.89
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	1G	8G	PK	-31.91	-49.80	-57.35	-50.64	-27.00	-4.91	17.89
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	1G	8G	PK	-29.78	-47.67	-49.59	-52.14	-27.00	-2.78	17.89

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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	1G	8G	AV	5.43713G	17.89	-76.19	-76.14	-73.15	-55.26	-41.20	-14.06
5745MHz	Pass	1G	8G	PK	5.64975G	17.89	-64.68	-59.81	-58.59	-40.70	-27.00	-13.70
5745MHz	Pass	1G	8G	PK	5.94025G	17.89	-60.17	-48.30	-48.03	-30.14	-27.00	-3.14
5785MHz	Pass	1G	8G	AV	4.80013G	17.89	-77.03	-74.11	-72.32	-54.43	-41.20	-13.23
5785MHz	Pass	1G	8G	AV	5.10025G	17.89	-76.58	-77.67	-74.08	-56.19	-41.20	-14.99
5785MHz	Pass	1G	8G	PK	5.634G	17.89	-63.94	-58.98	-57.78	-39.89	-27.00	-12.89
5785MHz	Pass	1G	8G	PK	5.97175G	17.89	-60.20	-48.86	-48.55	-30.66	-27.00	-3.66
5825MHz	Pass	1G	8G	AV	4.80013G	17.89	-77.34	-74.17	-72.46	-54.57	-41.20	-13.37
5825MHz	Pass	1G	8G	AV	5.42838G	17.89	-77.03	-76.55	-73.77	-55.88	-41.20	-14.68
5825MHz	Pass	1G	8G	PK	5.63488G	17.89	-64.23	-57.38	-56.56	-38.67	-27.00	-11.67
5825MHz	Pass	1G	8G	PK	6.01813G	17.89	-60.77	-52.17	-51.61	-33.72	-27.00	-6.72
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	1G	8G	AV	5.4275G	17.89	-77.57	-76.77	-74.14	-56.25	-41.20	-15.05
5745MHz	Pass	1G	8G	PK	5.64538G	17.89	-65.11	-60.59	-59.28	-41.39	-27.00	-14.39
5745MHz	Pass	1G	8G	PK	5.9315G	17.89	-62.26	-50.77	-50.47	-32.58	-27.00	-5.58
5785MHz	Pass	1G	8G	AV	4.80013G	17.89	-77.91	-74.19	-72.65	-54.76	-41.20	-13.56
5785MHz	Pass	1G	8G	AV	5.35925G	17.89	-77.48	-76.94	-74.19	-56.30	-41.20	-15.10
5785MHz	Pass	1G	8G	PK	5.64625G	17.89	-63.67	-60.37	-58.70	-40.81	-27.00	-13.81
5785MHz	Pass	1G	8G	PK	5.97963G	17.89	-57.81	-49.75	-49.12	-31.23	-27.00	-4.23
5825MHz	Pass	1G	8G	AV	4.80013G	17.89	-77.70	-74.67	-72.92	-55.03	-41.20	-13.83
5825MHz	Pass	1G	8G	AV	5.3715G	17.89	-78.35	-76.26	-74.17	-56.28	-41.20	-15.08
5825MHz	Pass	1G	8G	PK	5.641G	17.89	-63.43	-55.13	-54.53	-36.64	-27.00	-9.64
5825MHz	Pass	1G	8G	PK	6.012G	17.89	-60.72	-50.17	-49.80	-31.91	-27.00	-4.91
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	1G	8G	AV	4.80013G	17.89	-77.74	-74.31	-72.68	-54.79	-41.20	-13.59
5755MHz	Pass	1G	8G	AV	5.45988G	17.89	-76.85	-76.15	-73.48	-55.59	-41.20	-14.39
5755MHz	Pass	1G	8G	PK	5.64975G	17.89	-59.84	-56.31	-54.72	-36.83	-27.00	-9.83
5755MHz	Pass	1G	8G	PK	5.94025G	17.89	-57.35	-50.64	-49.80	-31.91	-27.00	-4.91
5795MHz	Pass	1G	8G	AV	4.80013G	17.89	-77.88	-74.22	-72.67	-54.78	-41.20	-13.58
5795MHz	Pass	1G	8G	AV	5.4345G	17.89	-77.03	-76.61	-73.80	-55.91	-41.20	-14.71
5795MHz	Pass	1G	8G	PK	5.64888G	17.89	-59.13	-59.98	-56.52	-38.63	-27.00	-11.63
5795MHz	Pass	1G	8G	PK	5.98488G	17.89	-59.78	-50.53	-50.04	-32.15	-27.00	-5.15
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	1G	8G	AV	5.45638G	17.89	-77.56	-76.44	-73.95	-56.06	-41.20	-14.86
5775MHz	Pass	1G	8G	PK	5.64888G	17.89	-55.76	-54.42	-52.03	-34.14	-27.00	-7.14
5775MHz	Pass	1G	8G	PK	5.95338G	17.89	-49.59	-52.14	-47.67	-29.78	-27.00	-2.78

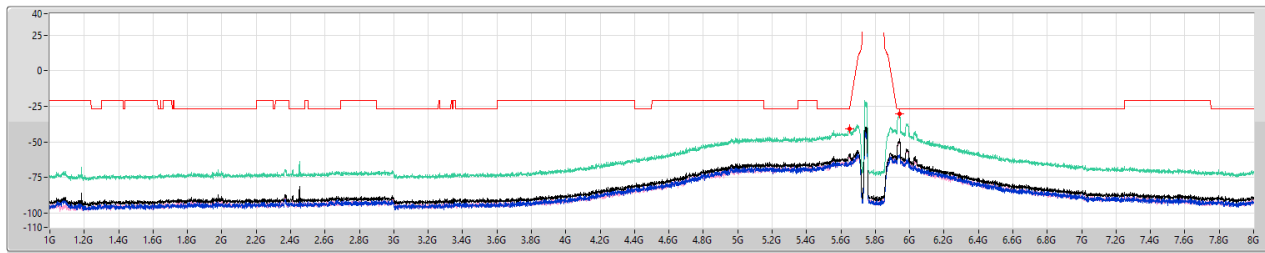
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

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

CSE Other [PK]

5745MHz

10/05/2025



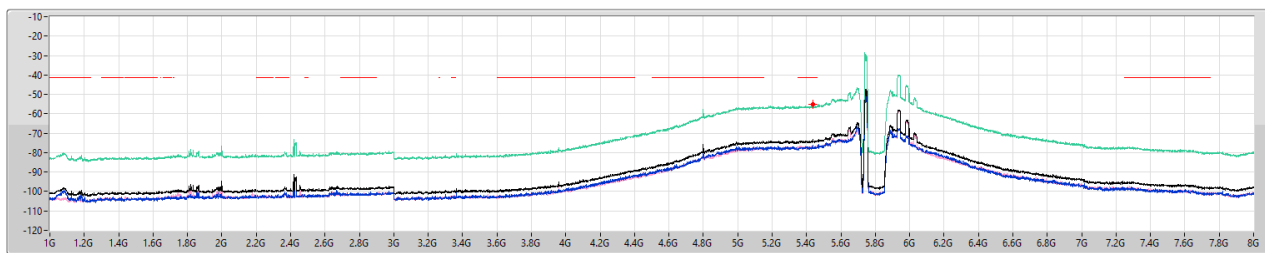
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1G	8G	1M	PK	5.64975G	-40.70	-27.00	-13.70	17.89	0.00	-58.59	-64.68	-59.81
1G	8G	1M	PK	5.94025G	-30.14	-27.00	-3.14	17.89	0.00	-48.03	-60.17	-48.30

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

CSE Other [AV]

5745MHz

10/05/2025



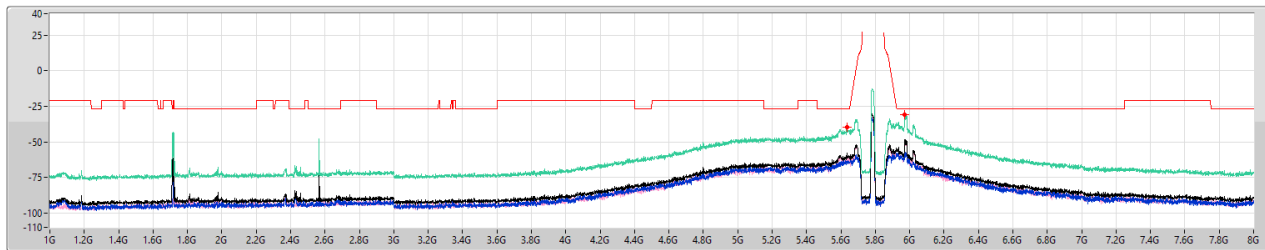
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1G	8G	1M	AV	5.43713G	-55.26	-41.20	-14.06	17.89	0.00	-73.15	-76.19	-76.14

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

CSE Other [PK]

5785MHz

10/05/2025



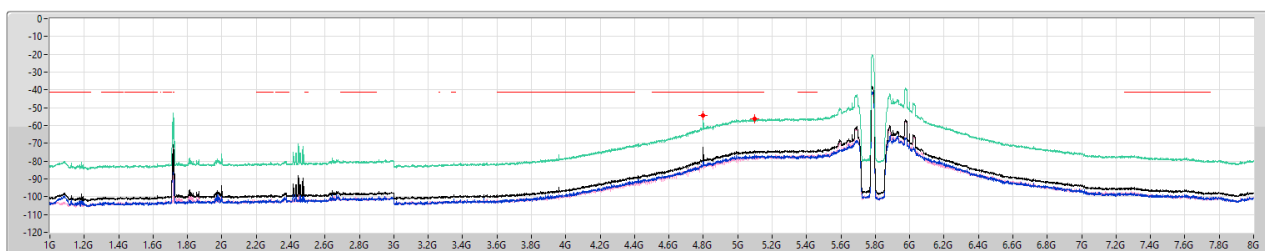
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.634G	-39.89	-27.00	-12.89	17.89	0.00	-57.78	-63.94	-58.98
1G	8G	1M	PK	5.97175G	-30.66	-27.00	-3.66	17.89	0.00	-48.55	-60.20	-48.86

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

CSE Other [AV]

5785MHz

10/05/2025



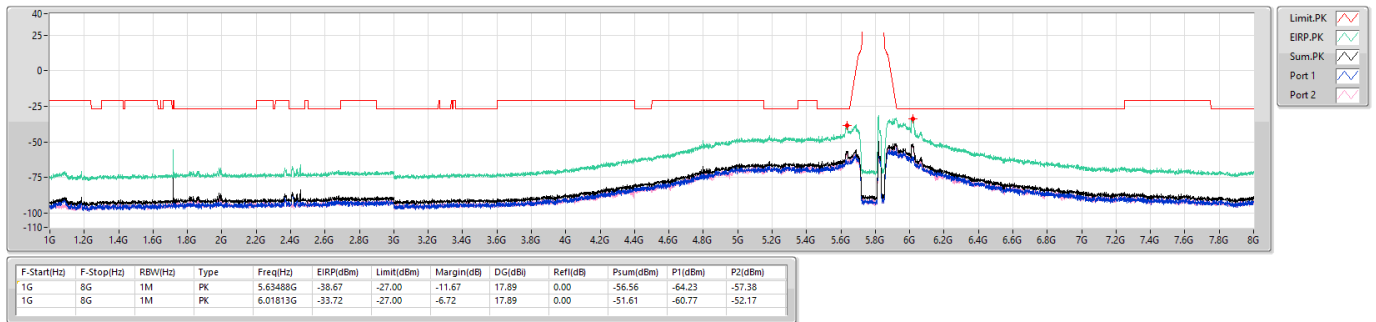
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1G	8G	1M	AV	4.80013G	-54.43	-41.20	-13.23	17.89	0.00	-72.32	-77.03	-74.11
1G	8G	1M	AV	5.10025G	-56.19	-41.20	-14.99	17.89	0.00	-74.08	-76.58	-77.67

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

CSE Other [PK]

5825MHz

10/05/2025

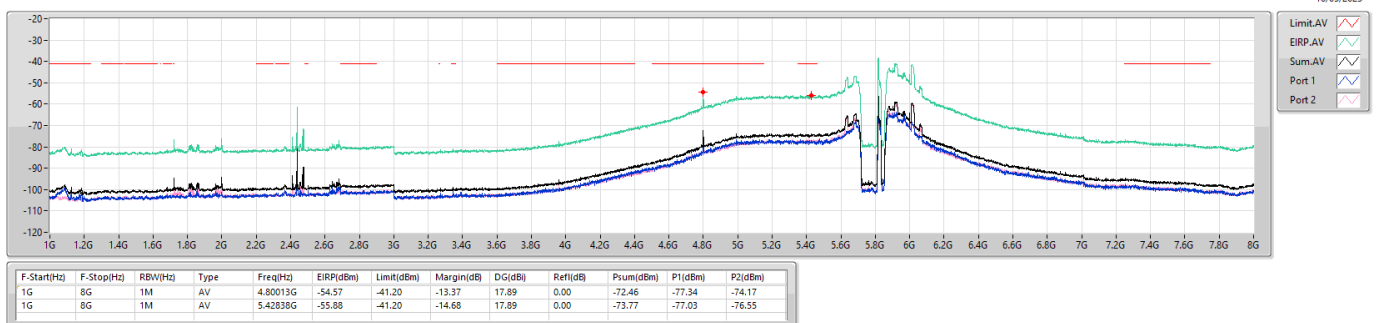


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

CSE Other [AV]

5825MHz

10/05/2025

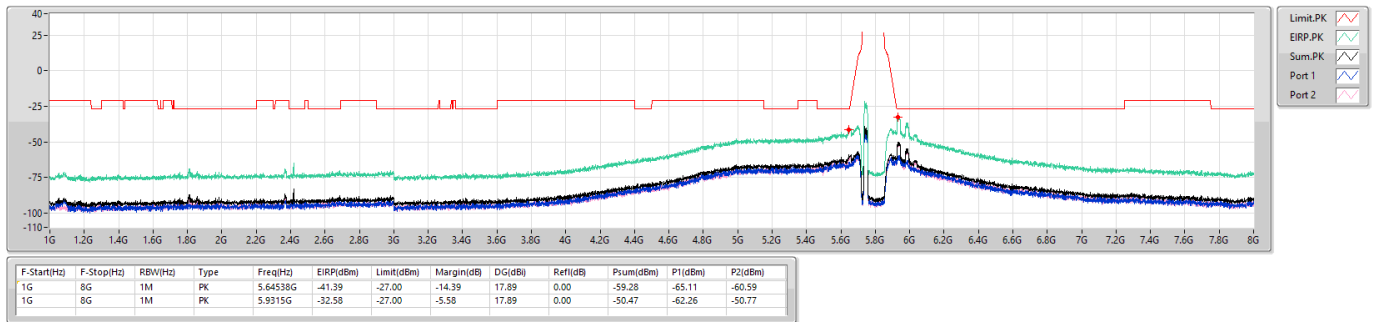


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [PK]

5745MHz

10/05/2025

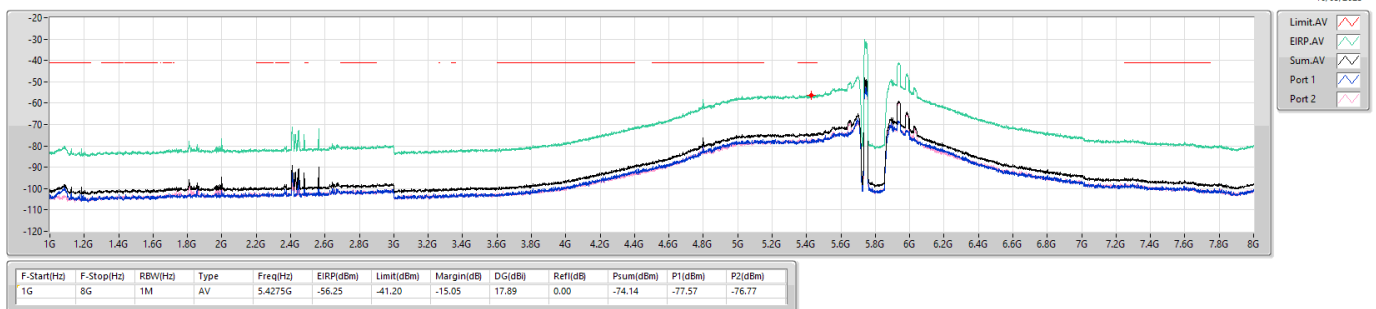


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [AV]

5745MHz

10/05/2025

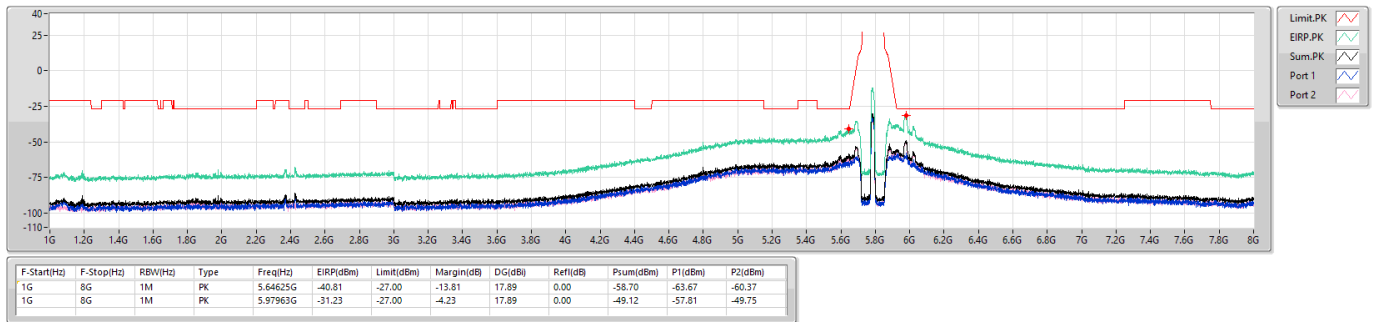


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [PK]

5785MHz

10/05/2025

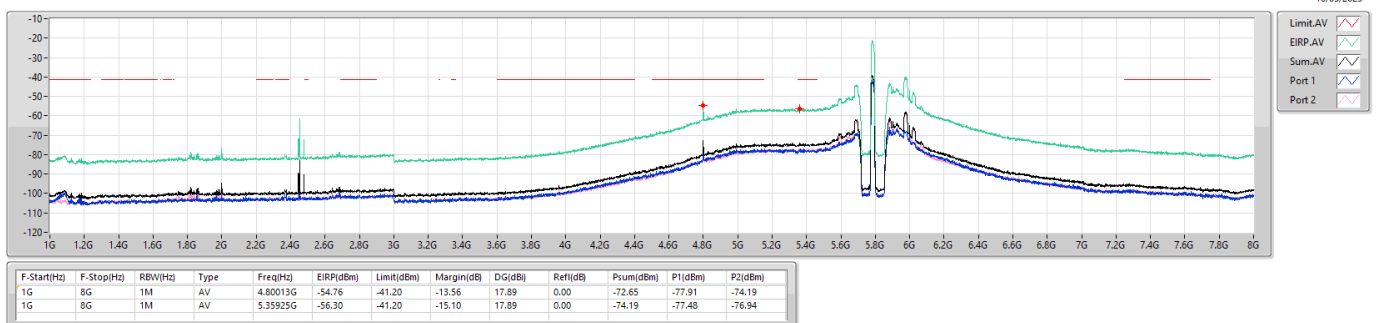


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [AV]

5785MHz

10/05/2025

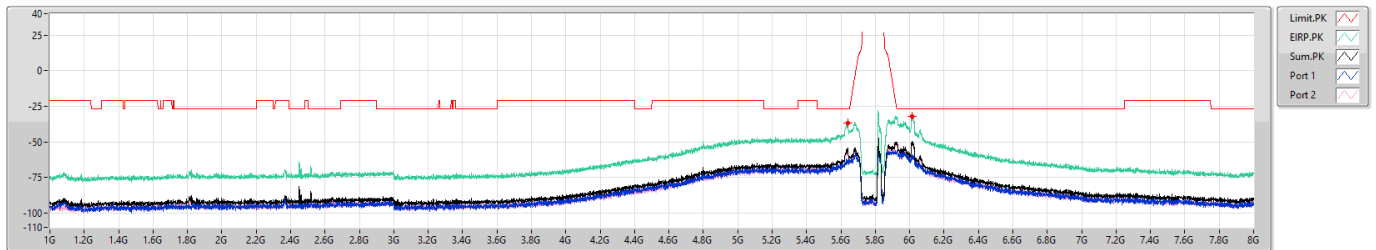


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [PK]

5825MHz

10/05/2025

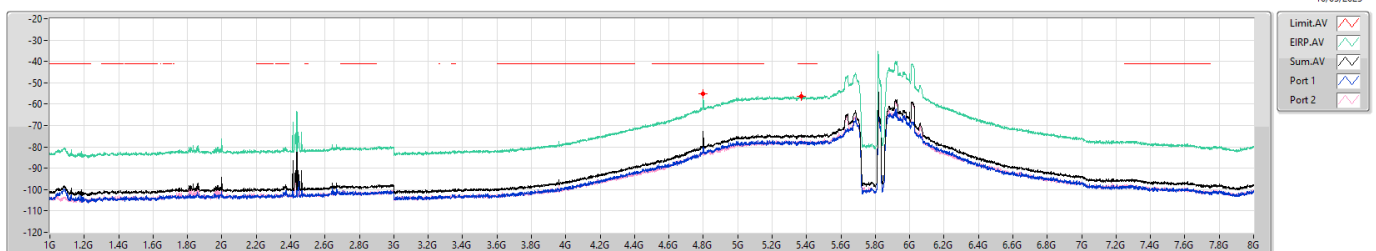


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [AV]

5825MHz

10/05/2025

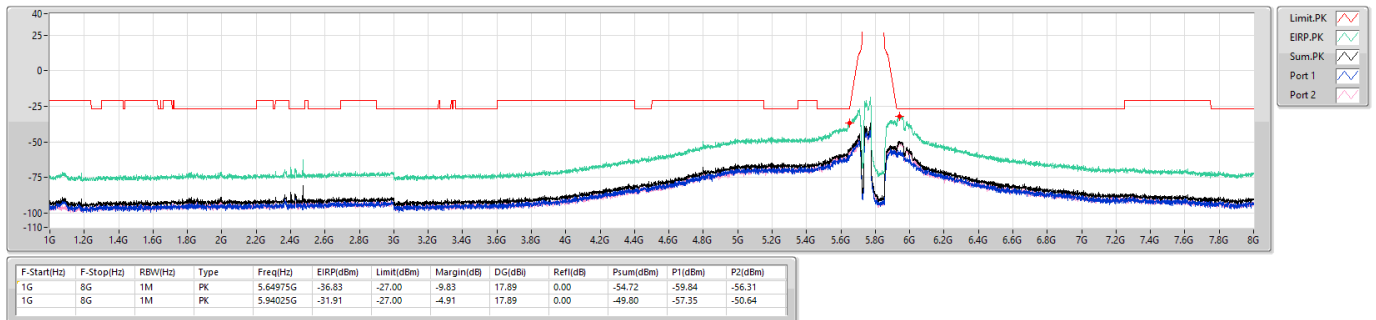


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [PK]

5755MHz

10/05/2025

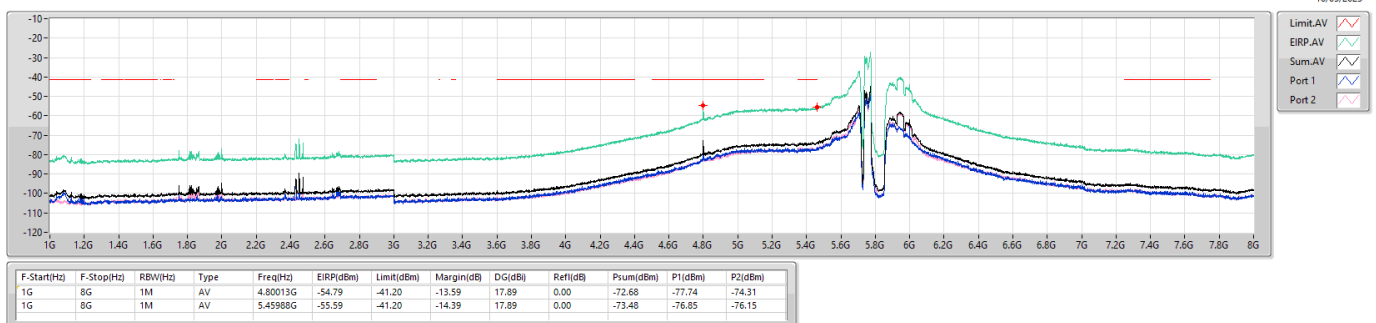


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [AV]

5755MHz

10/05/2025

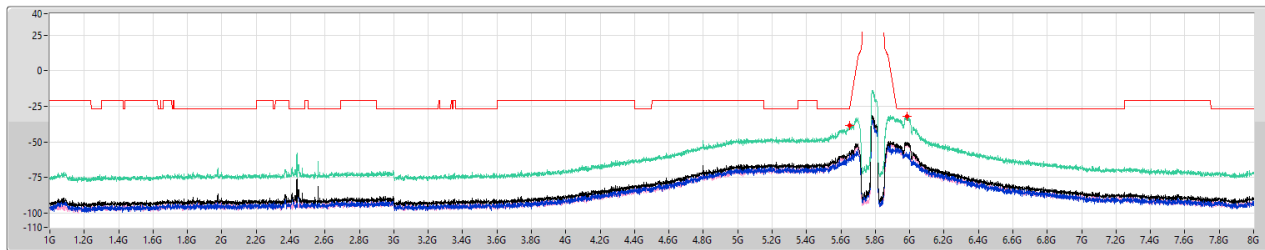


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [PK]

5795MHz

10/05/2025



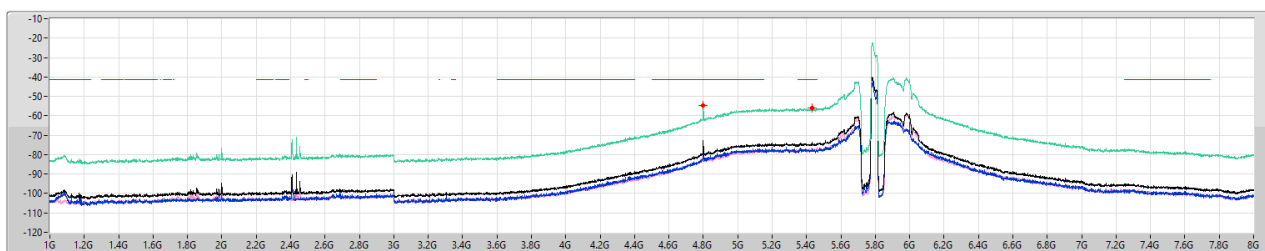
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.64888G	-38.63	-27.00	-11.63	17.89	0.00	-56.52	-59.13	-59.98
1G	8G	1M	PK	5.96488G	-32.15	-27.00	-5.15	17.89	0.00	-50.04	-59.78	-50.53

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

CSE Other [AV]

5795MHz

10/05/2025



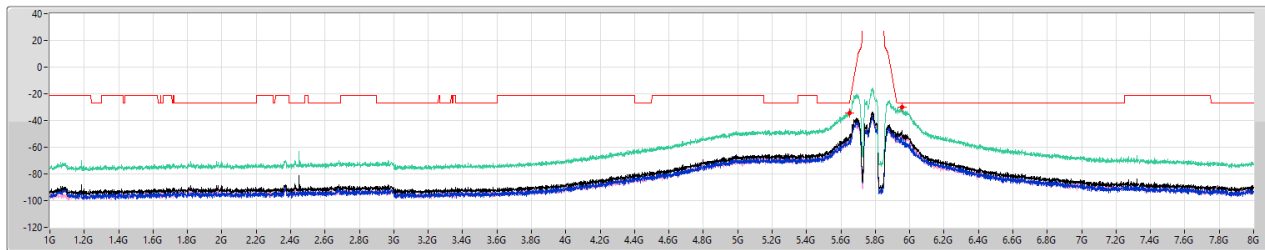
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	AV	4.80013G	-54.78	-41.20	-13.58	17.89	0.00	-72.67	-77.88	-74.22
1G	8G	1M	AV	5.4345G	-55.91	-41.20	-14.71	17.89	0.00	-73.80	-77.03	-76.61

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

CSE Other [PK]

5775MHz

10/05/2025



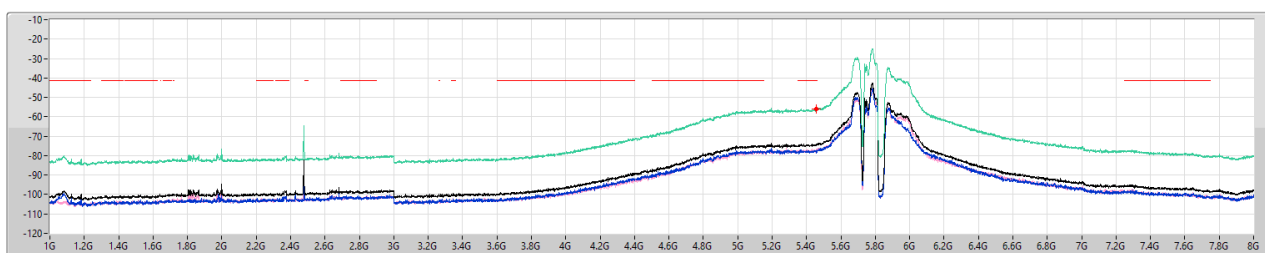
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	PK	5.64888G	-34.14	-27.00	-7.14	17.89	0.00	-52.03	-55.76	-54.42
1G	8G	1M	PK	5.95338G	-29.78	-27.00	-2.78	17.89	0.00	-47.67	-49.59	-52.14

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

CSE Other [AV]

5775MHz

10/05/2025



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	8G	1M	AV	5.45638G	-56.06	-41.20	-14.86	17.89	0.00	-73.95	-77.56	-76.44



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	EIRP (dBm)	Psum (dBm)	P1 (dBm)	P2 (dBm)	Limit (dBm)	Margin (dB)	DG (dBi)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1(6Mbps)_2TX	Pass	8G	40G	AV	-66.88	-84.77	-89.72	-86.44	-41.20	-25.68	17.89
802.11ax HEW20_Nss1(MCS0)_2TX	Pass	8G	40G	AV	-67.28	-85.17	-89.74	-87.04	-41.20	-26.08	17.89
802.11ax HEW40_Nss1(MCS0)_2TX	Pass	8G	40G	AV	-66.48	-84.37	-89.32	-86.05	-41.20	-25.28	17.89
802.11ax HEW80_Nss1(MCS0)_2TX	Pass	8G	40G	AV	-67.21	-85.10	-90.64	-86.52	-41.20	-26.01	17.89

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)	Margin (dB)	Limit (dBm)
802.11a_Nss1.(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	8G	40G	AV	11.489G	17.89	-90.13	-86.87	-85.19	-67.30	-26.10	-41.20
5745MHz	Pass	8G	40G	PK	11.49G	17.89	-85.16	-85.82	-82.47	-64.58	-43.38	-21.20
5745MHz	Pass	8G	40G	PK	33.177G	17.89	-85.74	-83.45	-81.44	-63.55	-36.55	-27.00
5785MHz	Pass	8G	40G	AV	11.57G	17.89	-89.72	-86.44	-84.77	-66.88	-25.68	-41.20
5785MHz	Pass	8G	40G	PK	11.569G	17.89	-85.31	-81.95	-80.30	-62.41	-41.21	-21.20
5785MHz	Pass	8G	40G	PK	33.216G	17.89	-86.19	-81.71	-80.39	-62.50	-35.50	-27.00
5825MHz	Pass	8G	40G	AV	11.65G	17.89	-91.32	-87.05	-85.67	-67.78	-26.58	-41.20
5825MHz	Pass	8G	40G	PK	8.737G	17.89	-79.81	-86.71	-79.00	-61.11	-34.11	-27.00
5825MHz	Pass	8G	40G	PK	11.65G	17.89	-88.68	-85.25	-83.62	-65.73	-44.53	-21.20
802.11ax HEW20_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	8G	40G	AV	11.49G	17.89	-90.64	-87.25	-85.61	-67.72	-26.52	-41.20
5745MHz	Pass	8G	40G	PK	11.49G	17.89	-87.91	-83.92	-82.46	-64.57	-43.37	-21.20
5745MHz	Pass	8G	40G	PK	33.151G	17.89	-84.82	-81.98	-80.16	-62.27	-35.27	-27.00
5785MHz	Pass	8G	40G	AV	11.57G	17.89	-89.74	-87.04	-85.17	-67.28	-26.08	-41.20
5785MHz	Pass	8G	40G	PK	11.57G	17.89	-86.57	-85.56	-83.03	-65.14	-43.94	-21.20
5785MHz	Pass	8G	40G	PK	33.207G	17.89	-85.01	-83.55	-81.21	-63.32	-36.32	-27.00
5825MHz	Pass	8G	40G	AV	11.65G	17.89	-91.80	-87.18	-85.89	-68.00	-26.80	-41.20
5825MHz	Pass	8G	40G	PK	8.737G	17.89	-79.98	-85.93	-79.00	-61.11	-34.11	-27.00
5825MHz	Pass	8G	40G	PK	11.65G	17.89	-84.74	-85.48	-82.08	-64.19	-42.99	-21.20
802.11ax HEW40_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	8G	40G	AV	11.509G	17.89	-89.32	-86.05	-84.37	-66.48	-25.28	-41.20
5755MHz	Pass	8G	40G	PK	11.514G	17.89	-79.08	-85.46	-78.18	-60.29	-39.09	-21.20
5755MHz	Pass	8G	40G	PK	33.125G	17.89	-82.20	-84.86	-80.32	-62.43	-35.43	-27.00
5795MHz	Pass	8G	40G	AV	11.59G	17.89	-91.29	-86.70	-85.40	-67.51	-26.31	-41.20
5795MHz	Pass	8G	40G	PK	11.589G	17.89	-85.31	-84.47	-81.86	-63.97	-42.77	-21.20
5795MHz	Pass	8G	40G	PK	33.221G	17.89	-83.32	-84.63	-80.92	-63.03	-36.03	-27.00
802.11ax HEW80_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	8G	40G	AV	11.55G	17.89	-90.64	-86.52	-85.10	-67.21	-26.01	-41.20
5775MHz	Pass	8G	40G	PK	11.55G	17.89	-82.93	-84.05	-80.44	-62.55	-41.35	-21.20
5775MHz	Pass	8G	40G	PK	33.144G	17.89	-87.69	-81.92	-80.90	-63.01	-36.01	-27.00

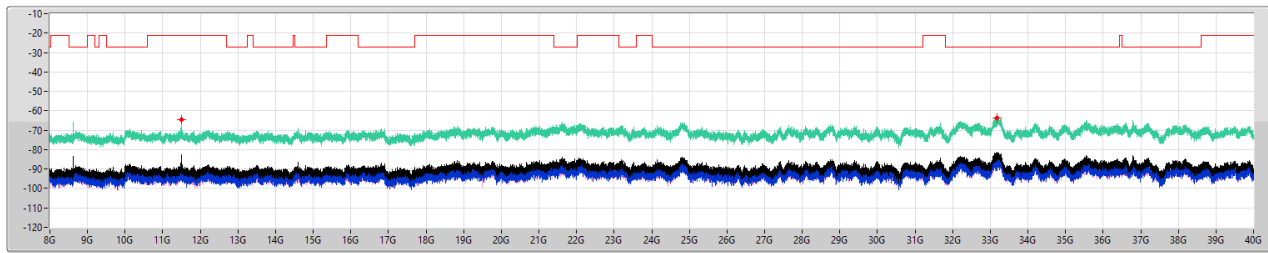
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

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

CSE [PK]

5745MHz

10/05/2025



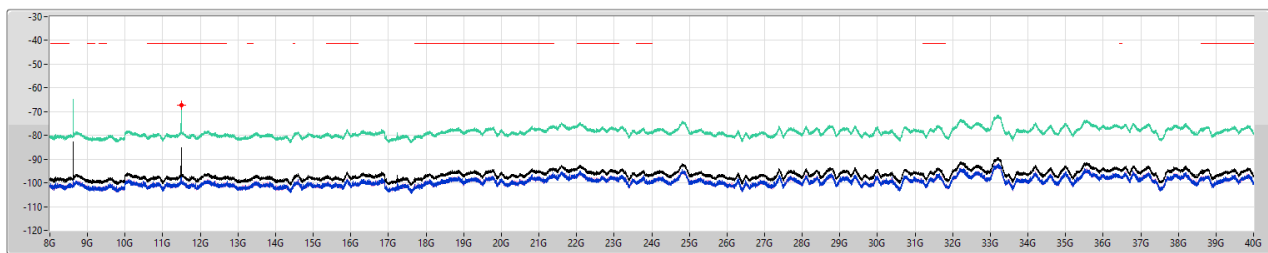
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8G	40G	1M	PK	11.49G	-64.58	-21.20	-43.38	17.89	0.00	-82.47	-85.16	-85.82
8G	40G	1M	PK	33.177G	-63.55	-27.00	-36.55	17.89	0.00	-81.44	-85.74	-83.45

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

CSE [AV]

5745MHz

10/05/2025



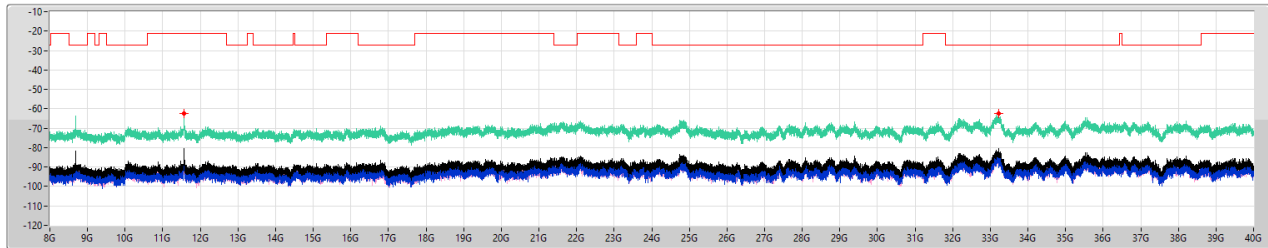
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.489G	-67.30	-41.20	-26.10	17.89	0.00	-85.19	-90.13	-86.87

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

CSE [PK]

5785MHz

10/05/2025



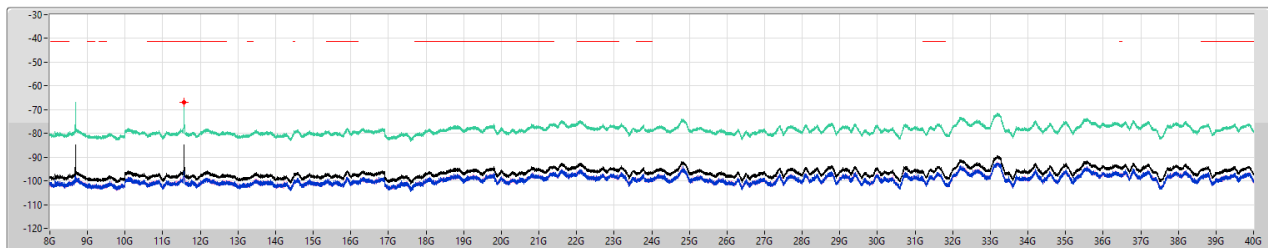
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8G	40G	1M	PK	11.569G	-62.41	-21.20	-41.21	17.89	0.00	-80.30	-85.31	-81.95
8G	40G	1M	PK	33.216G	-62.50	-27.00	-35.50	17.89	0.00	-80.39	-86.19	-81.71

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

CSE [AV]

5785MHz

10/05/2025



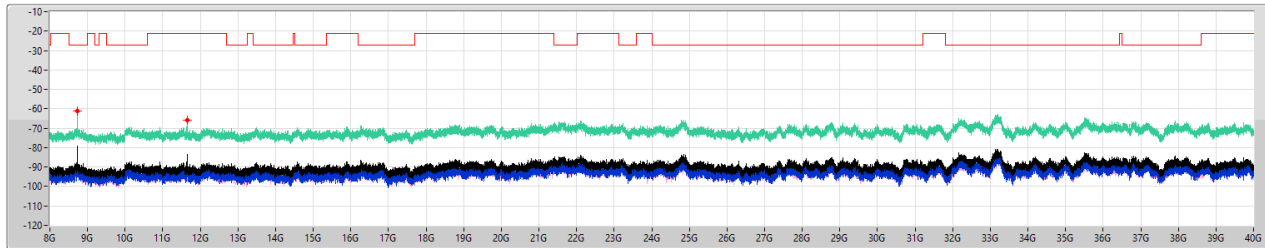
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8G	40G	1M	AV	11.57G	-66.88	-41.20	-25.68	17.89	0.00	-84.77	-89.72	-86.44

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

CSE [PK]

5825MHz

10/05/2025



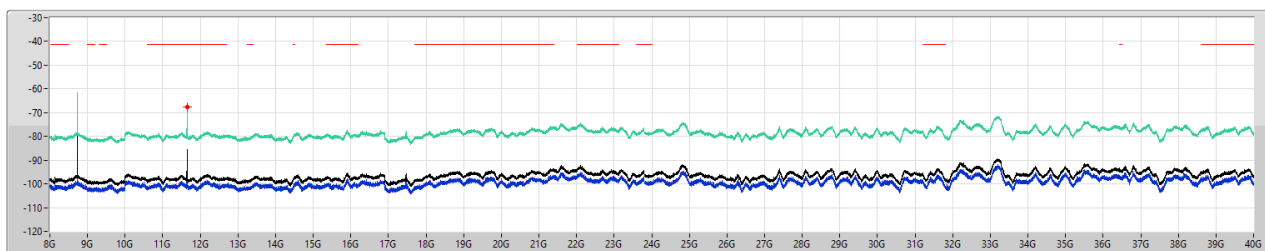
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8G	40G	1M	PK	8.737G	-61.11	-27.00	-34.11	17.89	0.00	-79.00	-79.81	-86.71
8G	40G	1M	PK	11.65G	-65.73	-21.20	-44.53	17.89	0.00	-83.62	-86.68	-85.25

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

CSE [AV]

5825MHz

10/05/2025



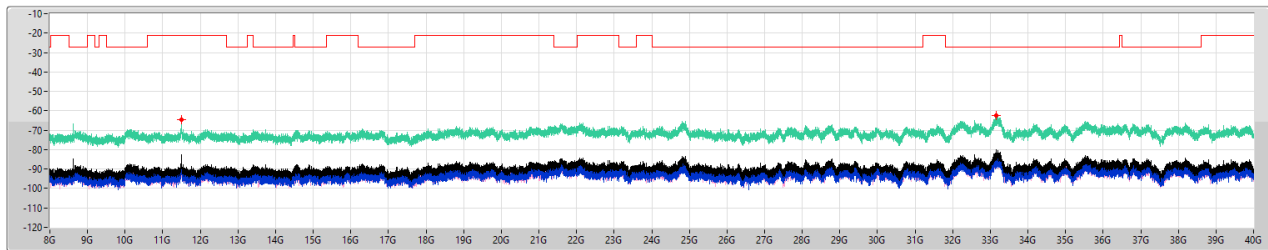
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8G	40G	1M	AV	11.65G	-67.78	-41.20	-26.58	17.89	0.00	-85.67	-91.32	-87.05

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

CSE [PK]

5745MHz

10/05/2025



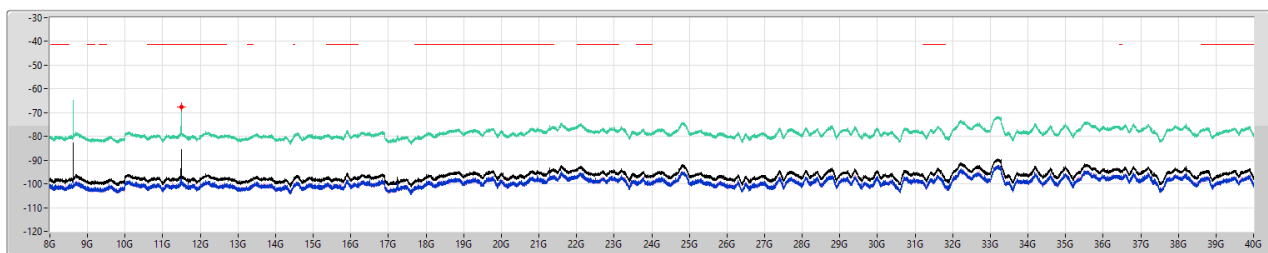
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8G	40G	1M	PK	11.49G	-64.57	-21.20	-43.37	17.89	0.00	-82.46	-87.91	-83.92
8G	40G	1M	PK	33.151G	-62.27	-27.00	-35.27	17.89	0.00	-80.16	-84.82	-81.98

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

CSE [AV]

5745MHz

10/05/2025



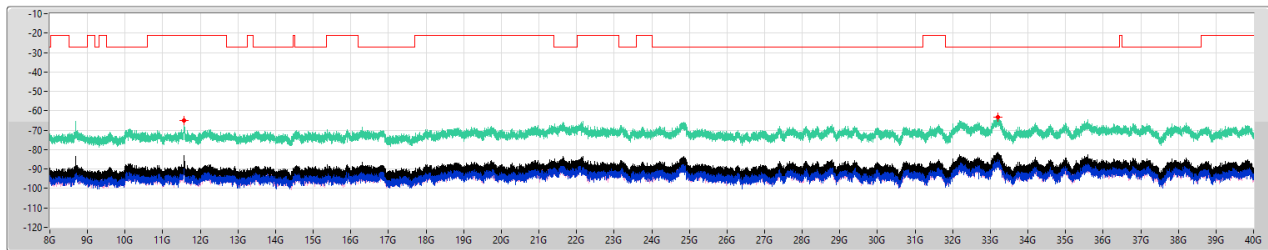
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8G	40G	1M	AV	11.49G	-67.72	-41.20	-26.52	17.89	0.00	-85.61	-90.64	-87.25

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

CSE [PK]

5785MHz

10/05/2025



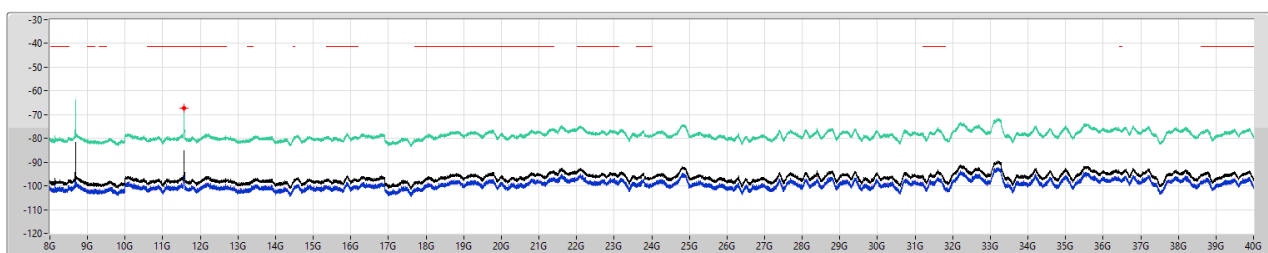
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8G	40G	1M	PK	11.57G	-65.14	-21.20	-43.94	17.89	0.00	-83.03	-86.57	-85.56
8G	40G	1M	PK	33.207G	-63.32	-27.00	-36.32	17.89	0.00	-81.21	-85.01	-83.55

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

CSE [AV]

5785MHz

10/05/2025



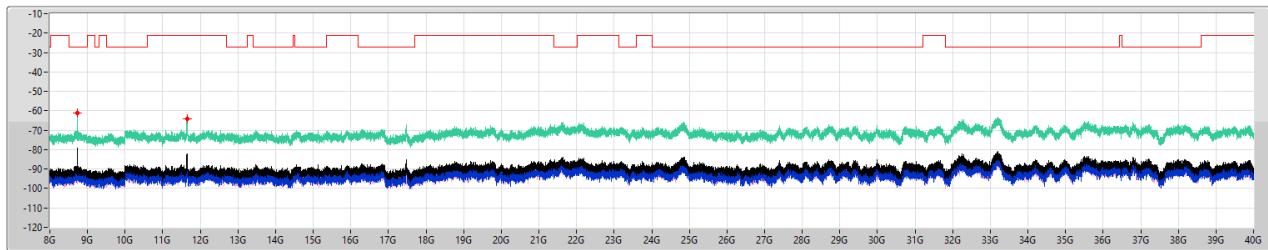
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8G	40G	1M	AV	11.57G	-67.28	-41.20	-26.08	17.89	0.00	-85.17	-89.74	-87.04

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

CSE [PK]

5825MHz

10/05/2025



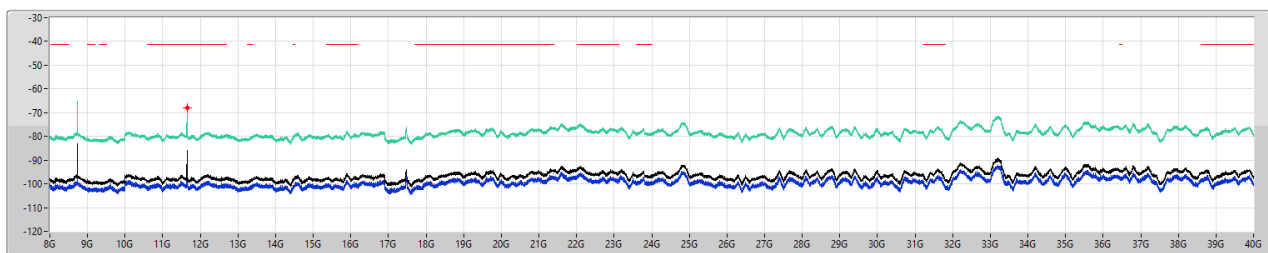
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8G	40G	1M	PK	8.737G	-61.11	-27.00	-34.11	17.89	0.00	-79.00	-79.98	-85.93
8G	40G	1M	PK	11.65G	-64.19	-21.20	-42.99	17.89	0.00	-82.08	-84.74	-85.48

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

CSE [AV]

5825MHz

10/05/2025



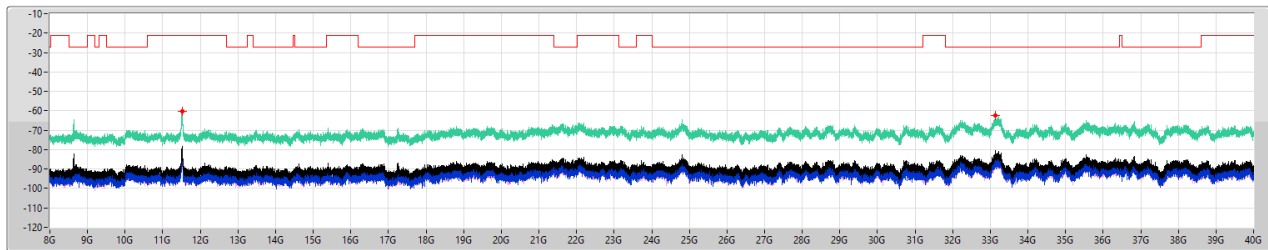
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8G	40G	1M	AV	11.65G	-66.00	-41.20	-26.80	17.89	0.00	-85.89	-91.80	-87.18

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

CSE [PK]

5755MHz

10/05/2025



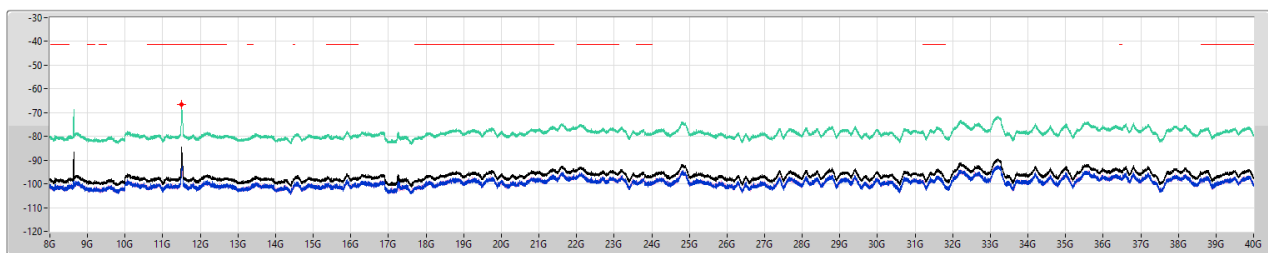
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8G	40G	1M	PK	11.514G	-60.29	-21.20	-39.09	17.89	0.00	-78.18	-79.08	-85.46
8G	40G	1M	PK	33.125G	-62.43	-27.00	-35.43	17.89	0.00	-80.32	-82.20	-84.86

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

CSE [AV]

5755MHz

10/05/2025



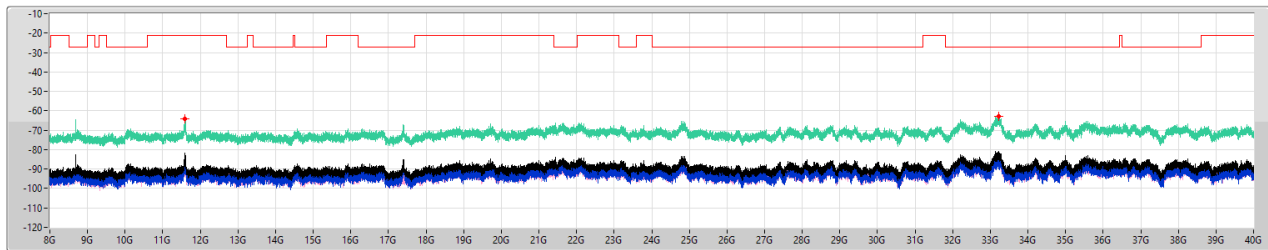
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8G	40G	1M	AV	11.509G	-66.48	-41.20	-25.28	17.89	0.00	-84.37	-89.32	-86.05

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

CSE [PK]

5795MHz

10/05/2025



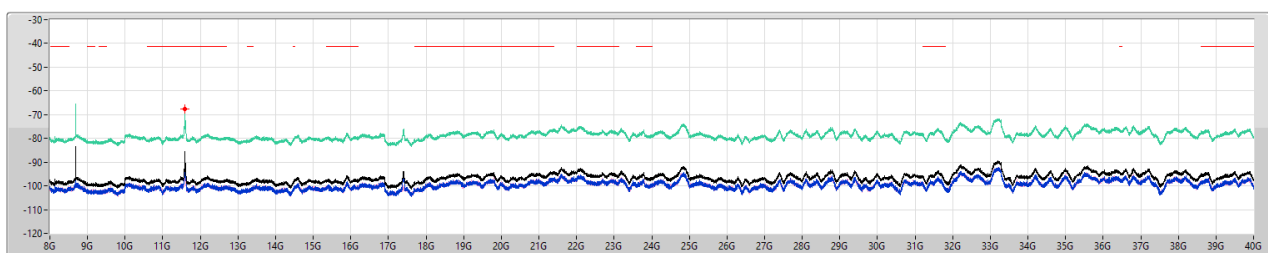
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8G	40G	1M	PK	11.589G	-63.97	-21.20	-42.77	17.89	0.00	-81.86	-85.31	-84.47
8G	40G	1M	PK	33.221G	-63.03	-27.00	-36.03	17.89	0.00	-80.92	-83.32	-84.63

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

CSE [AV]

5795MHz

10/05/2025



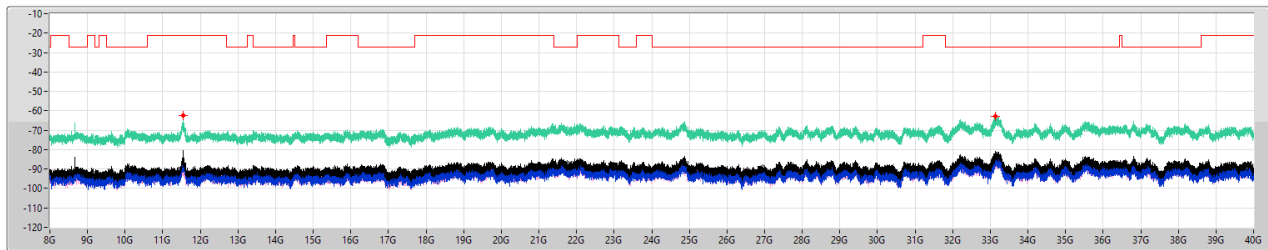
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8G	40G	1M	AV	11.59G	-67.51	-41.20	-26.31	17.89	0.00	-85.40	-91.29	-86.70

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

CSE [PK]

5775MHz

10/05/2025



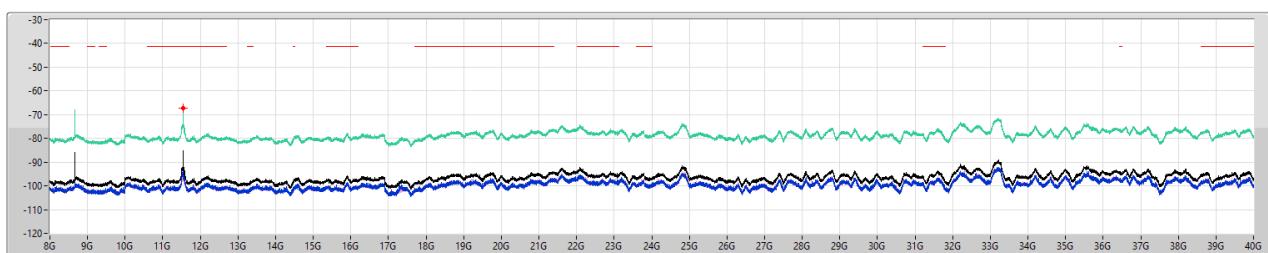
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	PK	11.55G	-62.55	-21.20	-41.35	17.89	0.00	-80.44	-82.93	-84.05
8G	40G	1M	PK	33.144G	-63.01	-27.00	-36.01	17.89	0.00	-80.90	-87.69	-81.92

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

CSE [AV]

5775MHz

10/05/2025



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	40G	1M	AV	11.55G	-67.21	-41.20	-26.01	17.89	0.00	-85.10	-90.64	-86.52



Summary

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)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	5.535G	6.035G	PK	5.97275G	17.89	-52.85	-45.88	-45.08	-27.19	-27.00	-0.19
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	5.535G	6.035G	PK	5.9745G	17.89	-52.75	-46.08	-45.23	-27.34	-27.00	-0.34
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	5.505G	6.005G	PK	5.944G	17.89	-52.74	-45.83	-45.02	-27.13	-27.00	-0.13
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	5.525G	6.025G	PK	5.94525G	17.89	-51.46	-46.18	-45.05	-27.16	-27.00	-0.16

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)
802.11a_Nss1(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	5.495G	5.955G	PK	5.60839G	17.89	-53.46	-55.13	-51.20	-33.31	-27.00	-6.31
5745MHz	Pass	5.495G	5.955G	PK	5.93982G	17.89	-51.81	-46.34	-45.26	-27.37	-27.00	-0.37
5785MHz	Pass	5.535G	6.035G	PK	5.6475G	17.89	-54.98	-54.34	-51.64	-33.75	-27.00	-6.75
5785MHz	Pass	5.535G	6.035G	PK	5.97275G	17.89	-52.85	-45.88	-45.08	-27.19	-27.00	-0.19
5825MHz	Pass	5.575G	6.075G	PK	5.63475G	17.89	-55.77	-50.11	-49.07	-31.18	-27.00	-4.18
5825MHz	Pass	5.575G	6.075G	PK	6.01125G	17.89	-53.60	-46.28	-45.54	-27.65	-27.00	-0.65
802.11ax HEW20_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	5.495G	5.955G	PK	5.64841G	17.89	-54.73	-54.17	-51.43	-33.54	-27.00	-6.54
5745MHz	Pass	5.495G	5.955G	PK	5.9389G	17.89	-52.80	-46.19	-45.33	-27.44	-27.00	-0.44
5785MHz	Pass	5.535G	6.035G	PK	5.62625G	17.89	-56.42	-52.62	-51.11	-33.22	-27.00	-6.22
5785MHz	Pass	5.535G	6.035G	PK	5.9745G	17.89	-52.75	-46.08	-45.23	-27.34	-27.00	-0.34
5825MHz	Pass	5.575G	6.075G	PK	5.6355G	17.89	-55.51	-51.29	-49.90	-32.01	-27.00	-5.01
5825MHz	Pass	5.575G	6.075G	PK	5.92825G	17.89	-51.56	-46.93	-45.64	-27.75	-27.00	-0.75
802.11ax HEW40_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	5.505G	6.005G	PK	5.64525G	17.89	-53.42	-52.24	-49.78	-31.89	-27.00	-4.89
5755MHz	Pass	5.505G	6.005G	PK	5.944G	17.89	-52.74	-45.83	-45.02	-27.13	-27.00	-0.13
5795MHz	Pass	5.545G	6.045G	PK	5.648G	17.89	-53.90	-52.93	-50.38	-32.49	-27.00	-5.49
5795MHz	Pass	5.545G	6.045G	PK	5.97775G	17.89	-53.61	-46.18	-45.46	-27.57	-27.00	-0.57
802.11ax HEW80_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	5.525G	6.025G	PK	5.6495G	17.89	-49.88	-50.81	-47.31	-29.42	-27.00	-2.42
5775MHz	Pass	5.525G	6.025G	PK	5.94525G	17.89	-51.46	-46.18	-45.05	-27.16	-27.00	-0.16

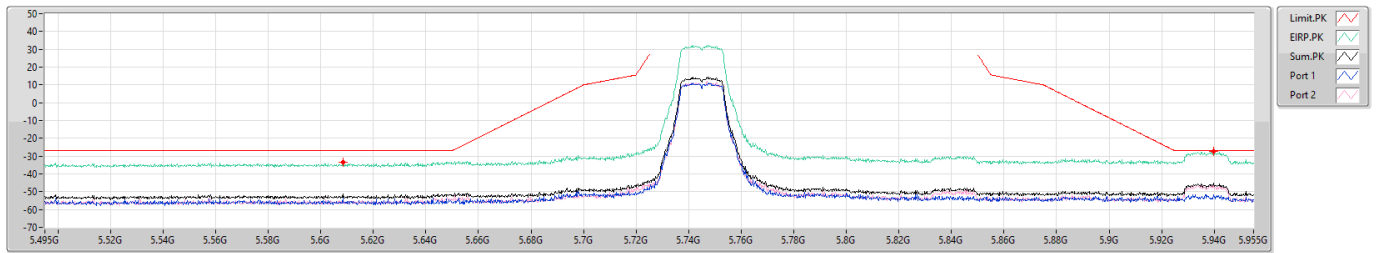
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

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

CSE Bandedge [PK]

5745MHz

10/05/2025



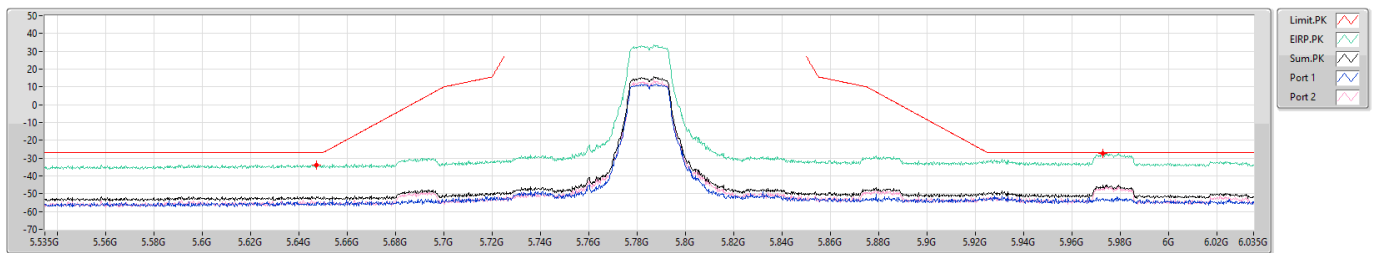
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5.495G	5.955G	1M	PK	5.60839G	-33.31	-27.00	-6.31	17.89	0.00	-51.20	-53.46	-55.13
5.495G	5.955G	1M	PK	5.93982G	-27.37	-27.00	-0.37	17.89	0.00	-45.26	-51.81	-46.34

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

CSE Bandedge [PK]

5785MHz

10/05/2025



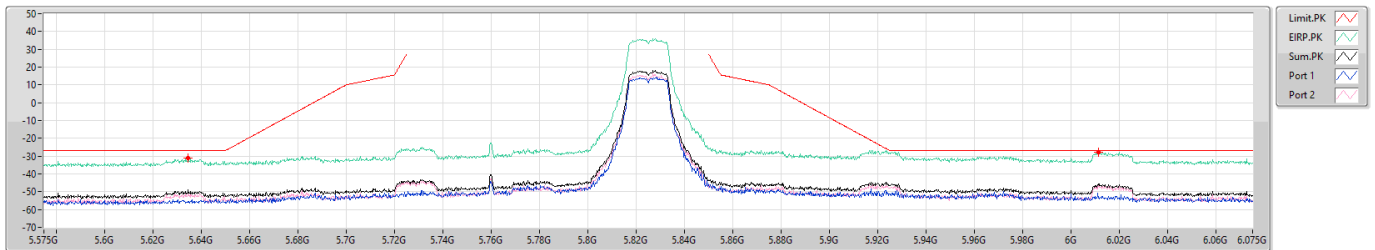
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5.535G	6.035G	1M	PK	5.6475G	-33.75	-27.00	-6.75	17.89	0.00	-51.64	-54.98	-54.34
5.535G	6.035G	1M	PK	5.97275G	-27.19	-27.00	-0.19	17.89	0.00	-45.08	-52.85	-45.88

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

CSE Bandedge [PK]

5825MHz

10/05/2025



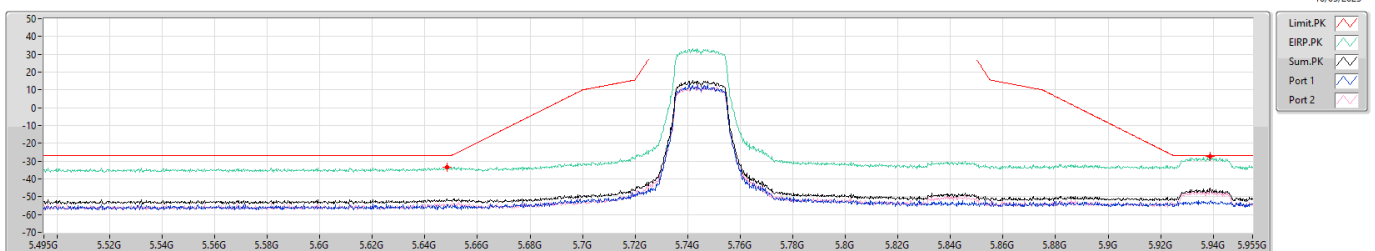
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5.575G	6.075G	1M	PK	5.63475G	-31.18	-27.00	-4.18	17.89	0.00	-49.07	-55.77	-50.11
5.575G	6.075G	1M	PK	6.01125G	-27.65	-27.00	-0.65	17.89	0.00	-45.54	-53.60	-46.28

5.725-5.85GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

CSE Bandedge [PK]

5745MHz

10/05/2025



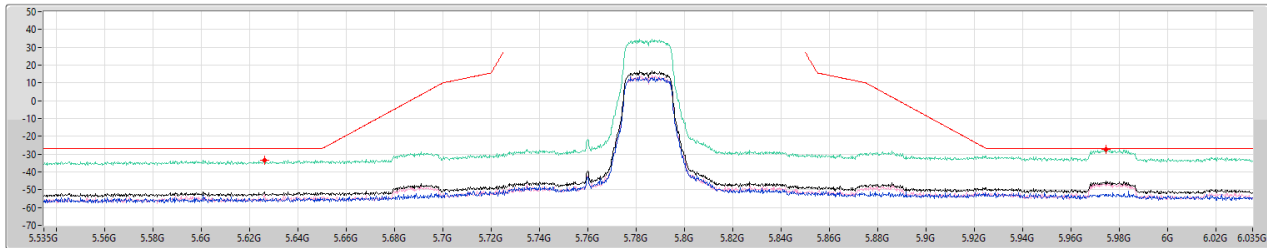
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5.495G	5.955G	1M	PK	5.64841G	-33.54	-27.00	-6.54	17.89	0.00	-51.43	-54.73	-54.17
5.495G	5.955G	1M	PK	5.9389G	-27.44	-27.00	-0.44	17.89	0.00	-45.33	-52.80	-46.19

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

CSE Bandedge [PK]

5785MHz

10/05/2025



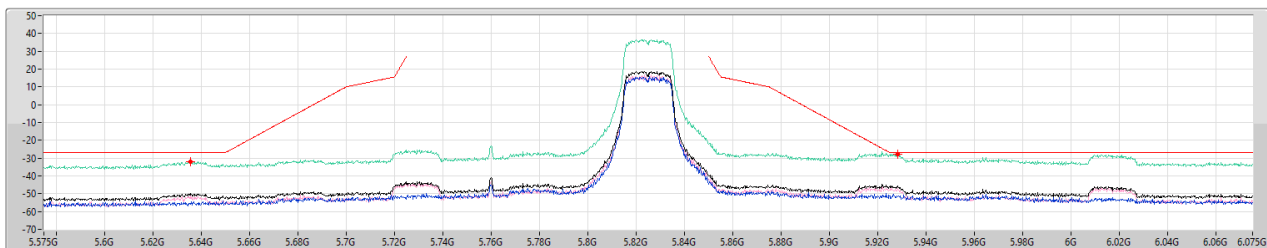
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
5.535G	6.035G	1M	PK	5.62625G	-33.22	-27.00	-6.22	17.89	0.00	-51.11	-56.42	-52.62
5.535G	6.035G	1M	PK	5.9745G	-27.34	-27.00	-0.34	17.89	0.00	-45.23	-52.75	-46.08

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

CSE Bandedge [PK]

5825MHz

10/05/2025



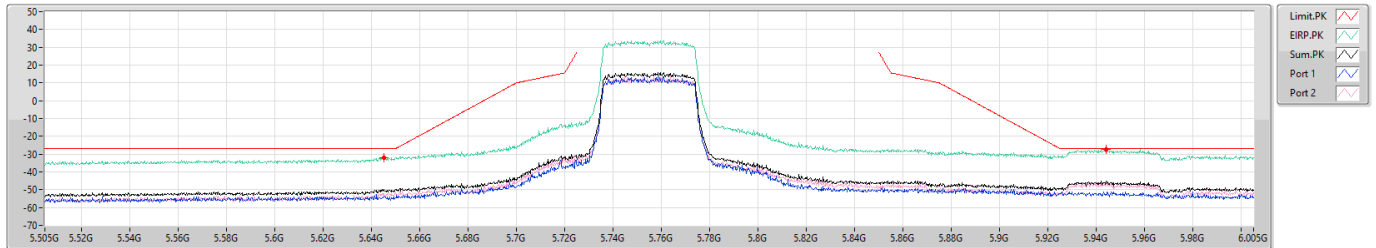
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
5.575G	6.075G	1M	PK	5.6355G	-32.01	-27.00	-5.01	17.89	0.00	-49.90	-55.51	-51.29
5.575G	6.075G	1M	PK	5.92825G	-27.75	-27.00	-0.75	17.89	0.00	-45.64	-51.56	-46.93

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

CSE Bandedge [PK]

5755MHz

10/05/2025



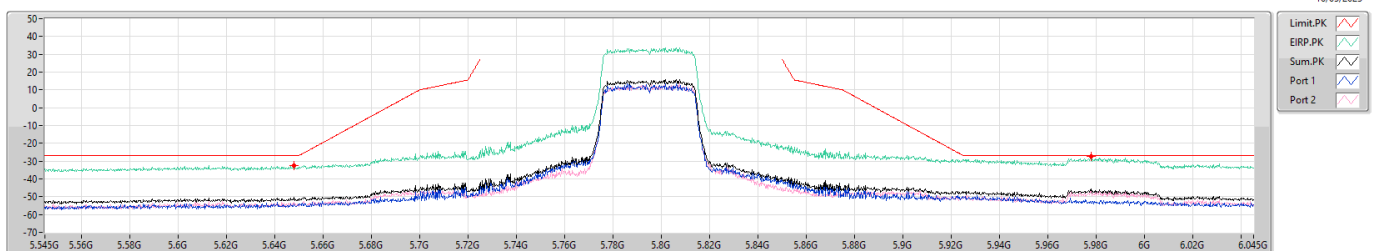
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
5.505G	6.005G	1M	PK	5.64525G	-31.89	-27.00	-4.89	17.89	0.00	-49.78	-53.42	-52.24
5.505G	6.005G	1M	PK	5.944G	-27.13	-27.00	-0.13	17.89	0.00	-45.02	-52.74	-45.83

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

CSE Bandedge [PK]

5795MHz

10/05/2025



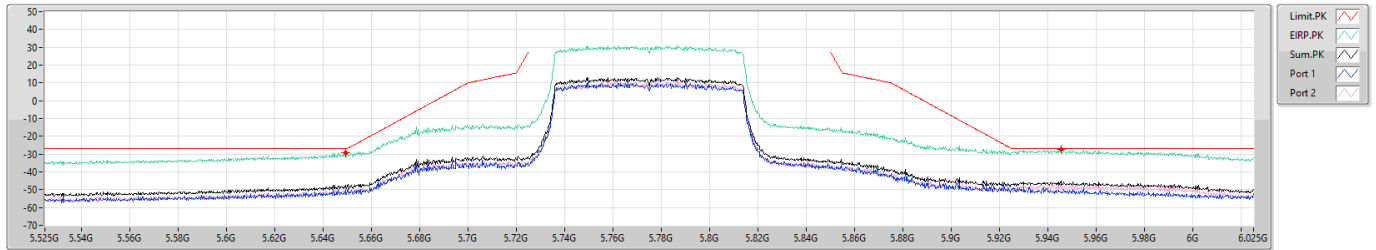
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
5.545G	6.045G	1M	PK	5.648G	-32.49	-27.00	-5.49	17.89	0.00	-50.38	-53.90	-52.93
5.545G	6.045G	1M	PK	5.97775G	-27.57	-27.00	-0.57	17.89	0.00	-45.46	-53.61	-46.18

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

CSE Bandedge [PK]

5775MHz

10/05/2025



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
5.525G	6.025G	1M	PK	5.6495G	-29.42	-27.00	-2.42	17.89	0.00	-47.31	-49.88	-50.81
5.525G	6.025G	1M	PK	5.94525G	-27.16	-27.00	-0.16	17.89	0.00	-45.05	-51.46	-46.18



Summary

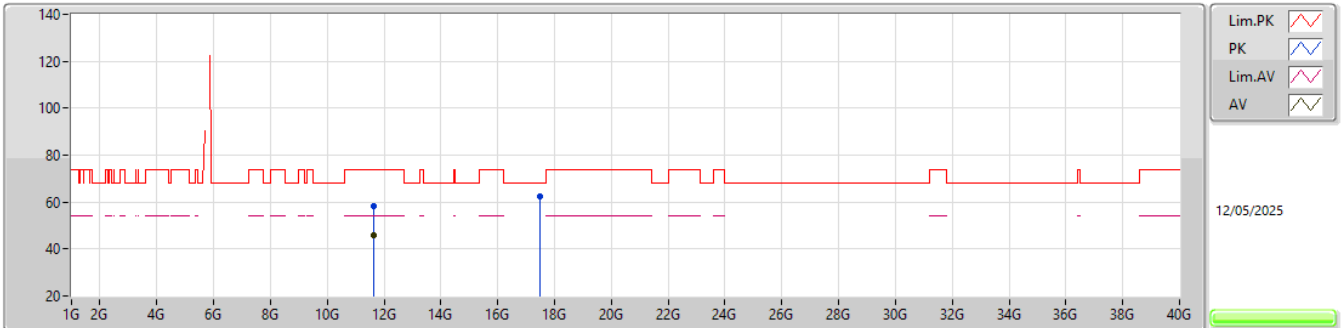
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1.(6Mbps)_2TX	Pass	PK	17.47565G	62.45	68.20	-5.75	3	Vertical	297	1.80	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
5825MHz	Pass	PK	11.64643G	58.34	74.00	-15.66	3	Vertical	176	1.98	-
5825MHz	Pass	AV	11.65009G	45.91	54.00	-8.09	3	Vertical	176	1.98	-
5825MHz	Pass	PK	17.47565G	62.45	68.20	-5.75	3	Vertical	297	1.80	-
5825MHz	Pass	PK	11.65017G	59.33	74.00	-14.67	3	Horizontal	223	1.68	-
5825MHz	Pass	AV	11.64985G	47.95	54.00	-6.05	3	Horizontal	223	1.68	-
5825MHz	Pass	PK	17.47564G	62.16	68.20	-6.04	3	Horizontal	11	1.80	-

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

5825MHz_TX

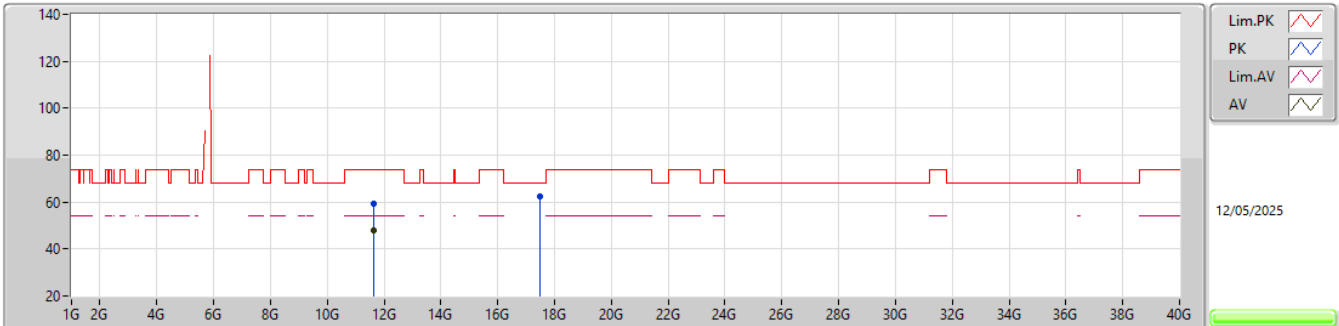


EUT_Y_2TX
Setting 20.5
03-P-M-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	11.64643G	58.34	74.00	-15.66	41.74	3	Vertical	176	1.98	-	39.39	11.69	34.48			
AV	11.65009G	45.91	54.00	-8.09	29.31	3	Vertical	176	1.98	-	39.40	11.69	34.49			
PK	17.47565G	62.45	68.20	-5.75	39.98	3	Vertical	297	1.80	-	42.31	13.99	33.83			

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

5825MHz_TX



EUT_Y_2TX
Setting 20.5
03-P-M-1

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	11.65017G	59.33	74.00	-14.67	42.73	3	Horizontal	223	1.68	-	39.40	11.69	34.49			
AV	11.64985G	47.95	54.00	-6.05	31.35	3	Horizontal	223	1.68	-	39.40	11.69	34.49			
PK	17.47564G	62.16	68.20	-6.04	39.69	3	Horizontal	11	1.80	-	42.31	13.99	33.83			