

FCC Radio Test Report

FCC ID : U2M-IAP3701M-C
Equipment : WiFi 7 Tri-radio concurrent indoor ceiling mount AP
Cloud Lite 802.11be 2x3x3 Tri-Band Managed Indoor Wireless
Access Point
Brand Name : Senao, EnGenius
Model Name : IAP3701M-C, ECW516L
Applicant : Senao Networks, Inc.
3F., No.529, Zhongzheng Rd., Xindian Dist., New Taipei City, Taiwan
Manufacturer : Senao Networks, Inc.
3F., No.529, Zhongzheng Rd., Xindian Dist., New Taipei City, Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Jul. 18, 2024, and testing was started from Jul. 31, 2024 and completed on Sep. 10, 2024. We, SPORTON INTERNATIONAL INC. Hsinhua 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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History of this test report

[illegible]

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

Declaration of Conformity:

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

Comments and explanations:

The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Barry Hsiao

Report Producer: Julie Tseng



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20), be (EHT20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40), be (EHT40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80) be (EHT80)	5210	42 [1]
5725-5850		5775	155 [1]

Non-Beamforming

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11a	20	3TX
5.725-5.85GHz	802.11a	20	3TX
5.15-5.25GHz	802.11be EHT20	20	3TX
5.725-5.85GHz	802.11be EHT20	20	3TX
5.15-5.25GHz	802.11be EHT40	40	3TX
5.725-5.85GHz	802.11be EHT40	40	3TX
5.15-5.25GHz	802.11be EHT80	80	3TX
5.725-5.85GHz	802.11be EHT80	80	3TX

Beamforming

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11be EHT20-BF	20	3TX
5.725-5.85GHz	802.11be EHT20-BF	20	3TX
5.15-5.25GHz	802.11be EHT40-BF	40	3TX
5.725-5.85GHz	802.11be EHT40-BF	40	3TX
5.15-5.25GHz	802.11be EHT80-BF	80	3TX
5.725-5.85GHz	802.11be EHT80-BF	80	3TX

Note:

- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80, VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40, HEW80, HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- EHT20, EHT40, EHT80, EHT160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- BWch is the nominal channel bandwidth.
- Evaluated EHT20/EHT40/EHT80 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160/HEW20/HEW40/HEW80/HEW160/EHT160 mode are the same or lower than EHT20/EHT40/EHT80.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Enrack	7102A1311000	PIFA	I-Pex	2.4G+5G	Radio 1
2	Enrack	7102A1312000	PIFA	I-Pex	2.4G+5G	
3	Enrack	7102A1313000	PIFA	I-Pex	5G	
4	AWAN	7102A1315000	Dipole	I-Pex	6G	Radio 2
5	AWAN	7102A1316000	Dipole	I-Pex	6G	
6	AWAN	7102A1314000	Dipole	I-Pex	6G	

Ant.	Port	Gain (dBi)					
		2.4G	5G				6E
			UNII-1	UNII-2A	UNII-2C	UNII-3	
1	1	2.04	3.22	2.6	2.92	2.64	-
2	2	3.05	4.82	4.77	4.93	4.8	-
3	3	-	3.89	3.94	3.85	3.63	-
4	1	-	-	-	-	-	4.4
5	2	-	-	-	-	-	4.4
6	3	-	-	-	-	-	4.8

Composite Gain (dBi)					
	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3
DG [1SS]	3.49	6.03	5.38	6.1	5.39
DG [2SS]	3.05	4.82	4.77	4.93	4.8
DG [3SS]	-	4.82	4.77	4.93	4.8

Note 1: The EUT has six antennas.

Note 2: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP471810.



For 2.4GHz function:

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

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (3TX/3RX)

Ant. 1 (port 1), Ant. 2 (port 2) and Ant. 3 (port 3) could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 ax/be mode (3TX/3RX)

Ant. 4 (port 1), Ant. 5 (port 2) and Ant. 6 (port 3) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
EUT Function	☐	Outdoor AP	☒	Indoor AP
	☐	Fixed P2P AP	☐	Client
Beamforming Function	☒	With beamforming	☐	Without beamforming
Resource Unit	☒	Full RU	☐	Partial RU
Type of EUT				
☒	Stand-alone			
☐	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.: ...			
☐	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:			
☐	Other:			

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11a_Nss1,(6Mbps)_3TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_3TX	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40_Nss1,(MCS0)_3TX	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80_Nss1,(MCS0)_3TX	0.973	0.12	1.928m	1k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11be EHT20-BF_Nss1,(MCS0)_3TX	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40-BF_Nss1,(MCS0)_3TX	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80-BF_Nss1,(MCS0)_3TX	0.973	0.12	1.928m	1k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.1.5 Table for Multiple Listing

The brand/model names in the following table are all refer to the identical product.

Brand Name	Model Name	Description
Senao	IAP3701M-C	These models represent products that are identical in functionality and design; however, the product housings feature different logos and icons.
EnGenius	ECW516L	

From the above models, model: IAP3701M-C was selected as representative model for the test and its data was recorded in this report.

1.2 Testing Applied 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
- ♦ KDB 789033 D02 v02r01

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

- ♦ KDB 662911 D01 v02r01
- ♦ KDB 662911 D03 v01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Wayne Chiu	21.5~22.1°C / 54~57%	12/Aug/2024
RF Conducted	TH07-HY	Xun Hsieh	23.4~23.9°C / 52~55%	08/Aug/2024
Radiated (co-location)	03CH03-HY	CoCo Shang Kung	21.5~22.8°C / 54~56%	10/Sep/2024
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated (5G Above 1G)	03CH25-HY	Jack Tang	22.1~23.6°C / 51~54%	31/Jul/2024~03/Aug/2024
Radiated (5G Below 1G)	03CH24-HY	Rian Zhong	22.7~23.3°C / 52~56%	06/Aug/2024

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Emission Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Unwanted Emissions	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	MT7990 QA 0.0.2.99
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Non-Beamforming

Mode	Power Setting
802.11a_Nss1,(6Mbps)_3TX	-
5180MHz	17
5200MHz	20
5240MHz	19
5745MHz	23.5
5785MHz	24
5825MHz	23.5
802.11be EHT20_Nss1,(MCS0)_3TX	-
5180MHz	17.5
5200MHz	19.5
5240MHz	20
5745MHz	22
5785MHz	24
5825MHz	24
802.11be EHT40_Nss1,(MCS0)_3TX	-
5190MHz	14
5230MHz	18
5755MHz	19.5
5795MHz	21.5
802.11be EHT80_Nss1,(MCS0)_3TX	-
5210MHz	11.5
5775MHz	18

**Beamforming**

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_3TX	-
5180MHz	17.5
5200MHz	19.5
5240MHz	20
5745MHz	22
5785MHz	24
5825MHz	24
802.11be EHT40-BF_Nss1,(MCS0)_3TX	-
5190MHz	14
5230MHz	18
5755MHz	19.5
5795MHz	21.5
802.11be EHT80-BF_Nss1,(MCS0)_3TX	-
5210MHz	11.5
5775MHz	18

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	CTX
1	Adapter mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak 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	CTX		
1	Adapter mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz
Refer to Sporton Test Report No.: FA471810 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	



2.3 Accessories

Accessories				
Clip Bracket 9/16" White	Brand Name	Chiagying Enterprises	Model Name	6005A1483020
Clip Bracket 15/16" White	Brand Name	Chiagying Enterprises	Model Name	6005A1493020

Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

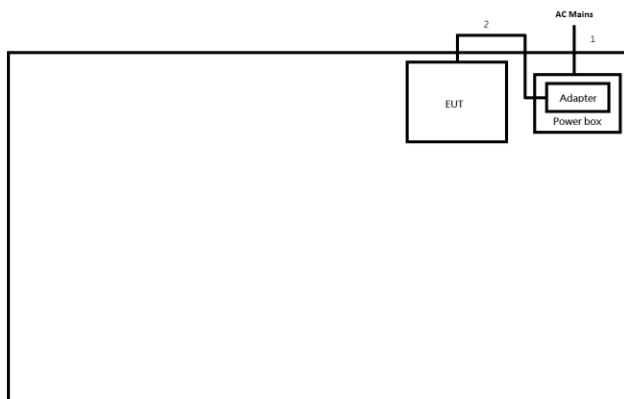
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	AC Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer
2	RJ45 cable	Power sync	CAT-6E-10	-	-

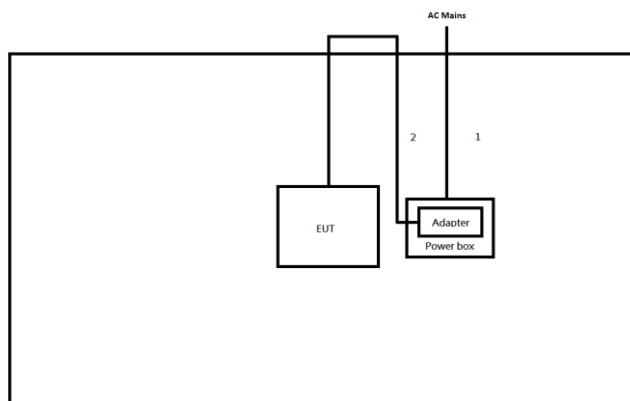
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.0	-
2	DC Power cable	No	1.5	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-

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

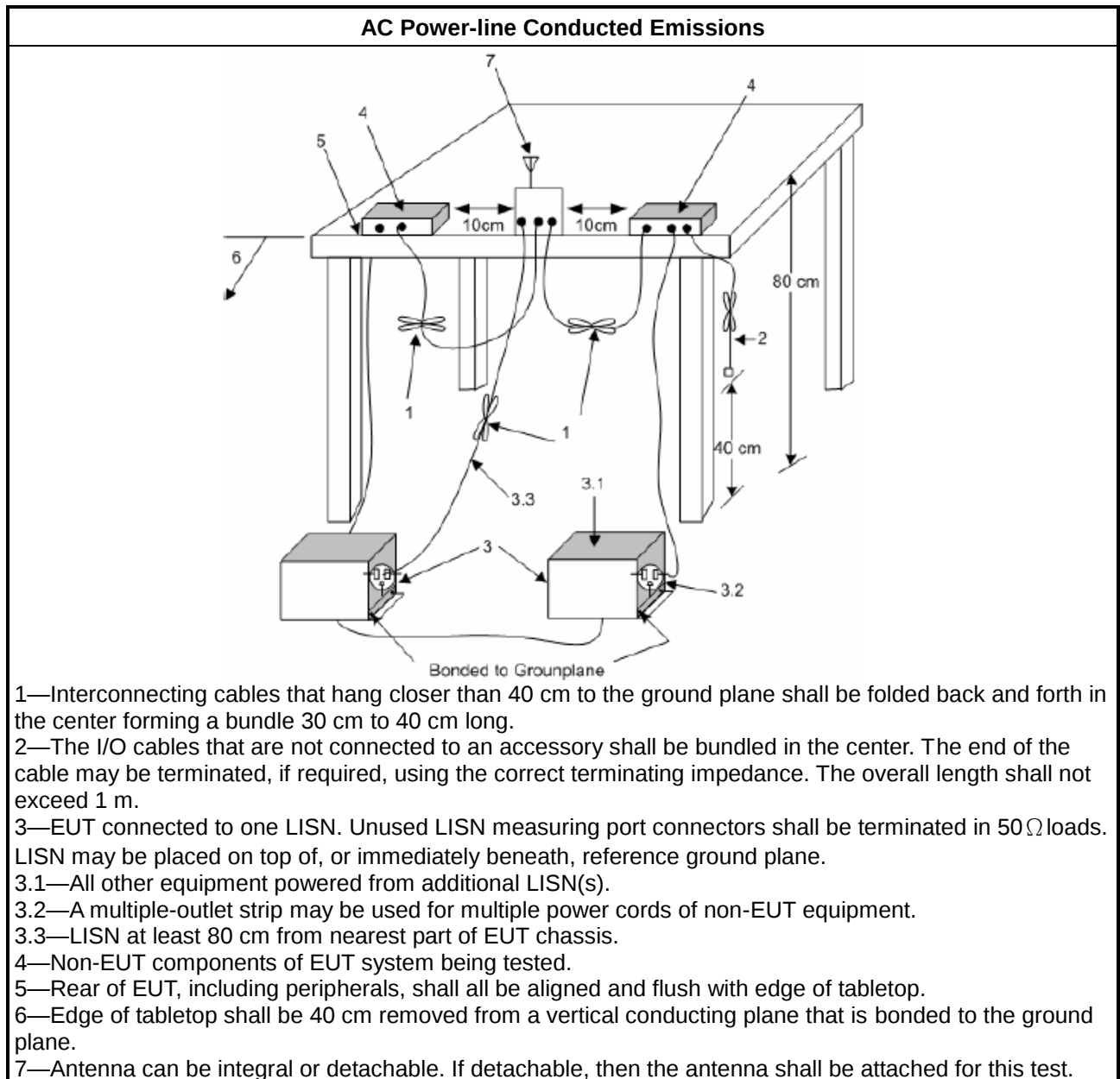
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



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, N/A
☐	For the 5.47-5.725 GHz band, N/A
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

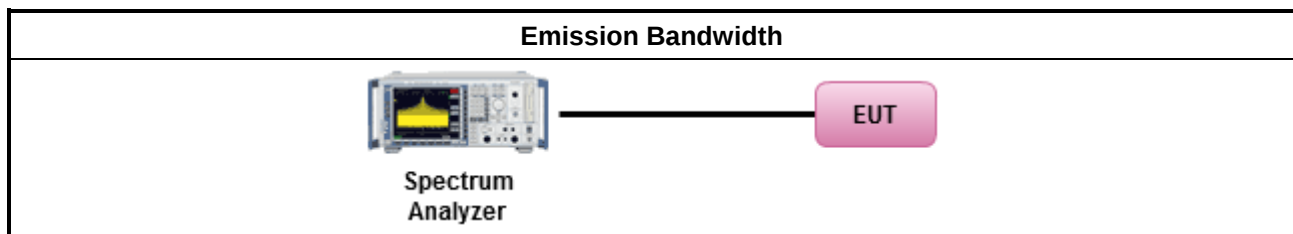
3.2.2 Measuring Instruments

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:	
☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

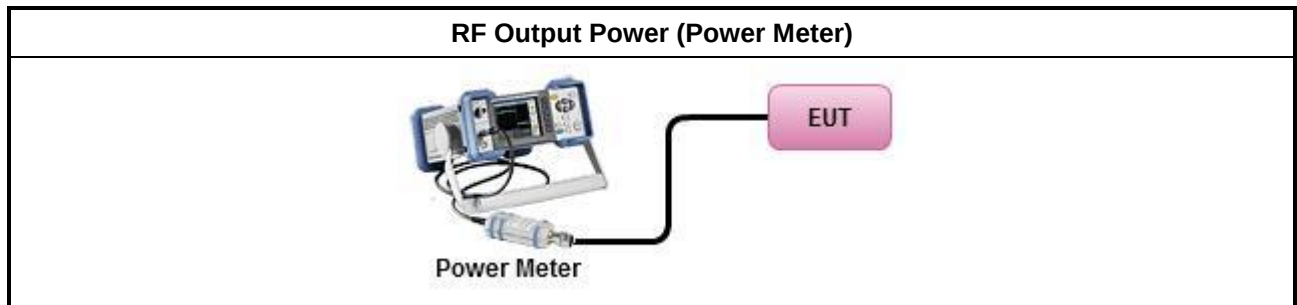
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as 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: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density 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 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 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 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.
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.	

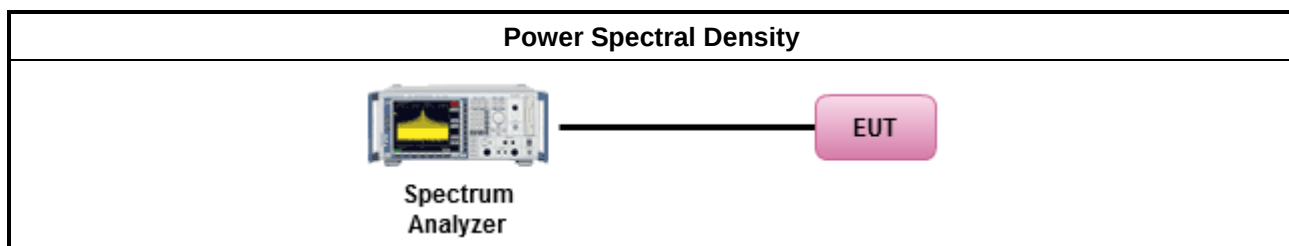
3.4.2 Measuring Instruments

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 KDB 789033, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
Duty cycle ≥ 98%	
☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
Duty cycle < 98%	
☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
Measure and sum the spectra across the outputs. Refer as 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.	
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]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated 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	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

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

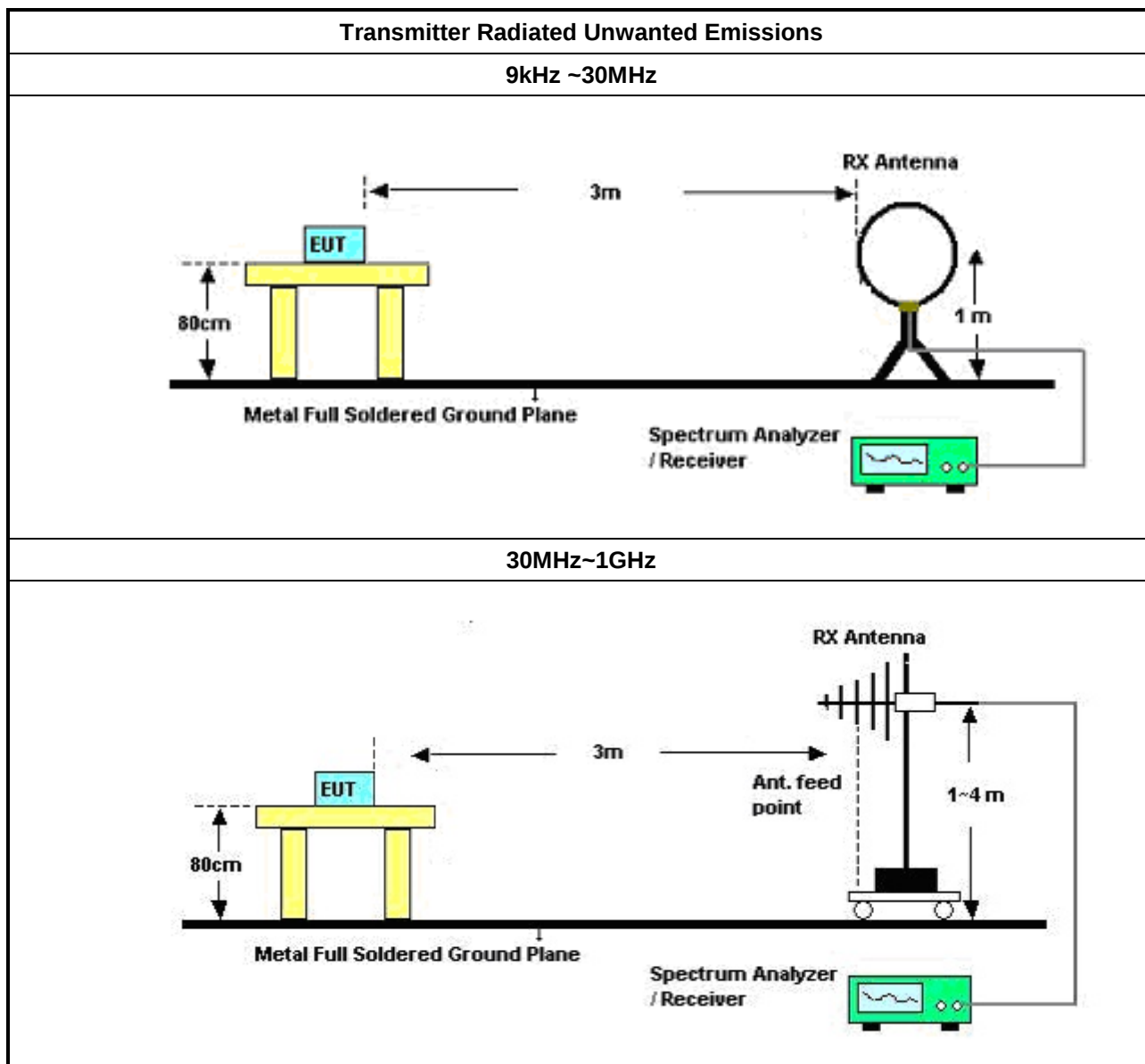
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 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 KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
☒	Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
☒	Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

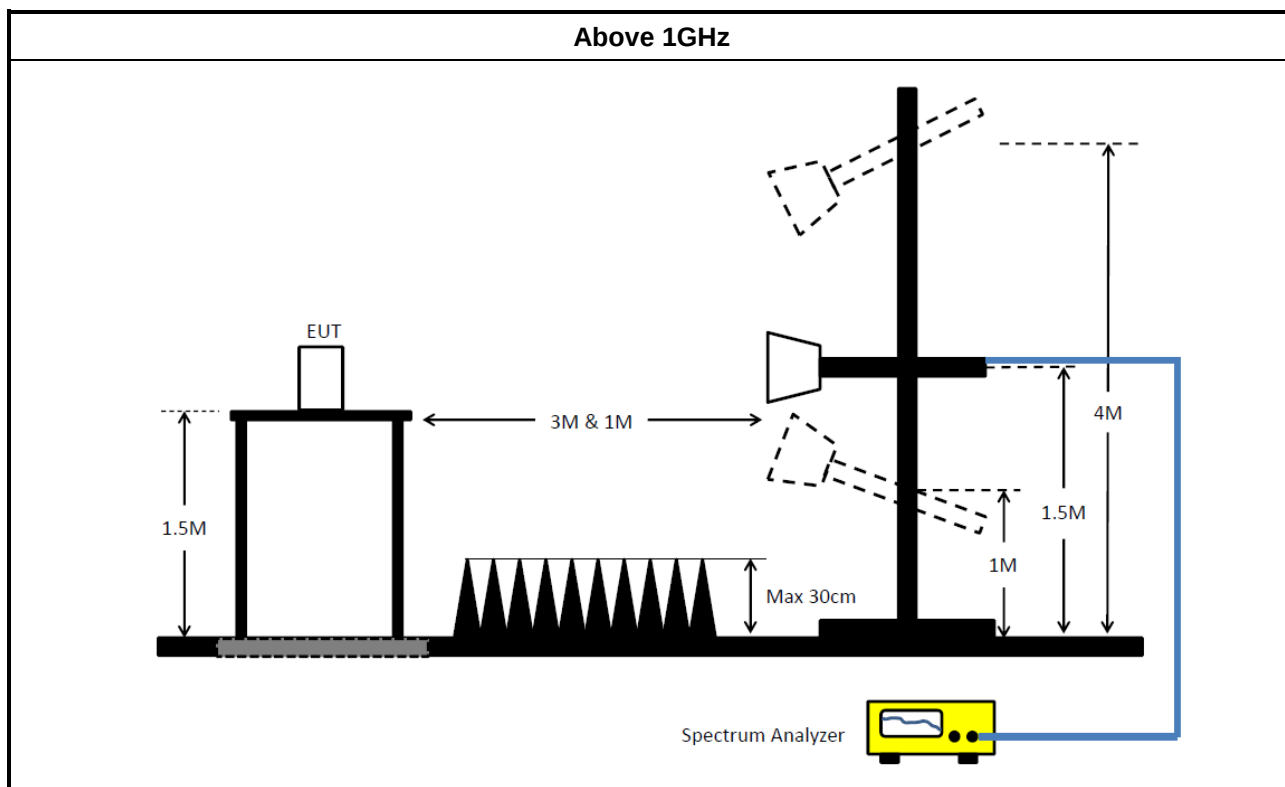
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

3.5.5 Test Setup







3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	17/May/2024	16/May/2025
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	101274	9kHz ~ 30MHz	18/Jun/2024	17/Jun/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	27/Feb/2024	26/Feb/2025
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	18/Oct/2023	17/Oct/2024
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	9kHz~40GHz	02/Feb/2024	01/Feb/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	15/Dec/2023	14/Dec/2024
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	15/Dec/2023	14/Dec/2024
SENSE-15407_NII	Sporton	V5.11.19	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH24-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	30MHz~1GHz 3m	17/Aug/2023	16/Aug/2024
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 6dB Attenuator	TESEQ / Woken	CBL 6112D / 00800N1D01N-06	35376 / 02	30MHz~1GHz	14/Apr/2024	13/Apr/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB002	9kHz~1GHz	19/Jun/2024	18/Jun/2025
Pre-Amplifier	Aglient	8447D	2944A06292	30MHz~1GHz	18/Apr/2024	17/Apr/2025
SENSE-15407-NII	Sporton	V5.11.20	NA	NA	NA	NA

Instrument for Radiated Test (03CH25-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	09/Aug/2023	08/Aug/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	17/Nov/2023	16/Nov/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	11/Jul/2024	10/Jul/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	23/Apr/2024	22/Apr/2025
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz ~18GHz	24/May/2024	23/May/2025
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	19/Apr/2024	18/Apr/2025
SENSE-15407-NII	Sporton	V5.11.20	NA	NA	NA	NA

Instrument for Radiated Test (03CH03-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	14/Jul/2024	13/Jul/2025
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2023	25/Oct/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz~18GHz	04/Oct/2023	03/Oct/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	04/Jun/2024	03/Jun/2025
Microwave Premplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	25/Jul/2024	24/Jul/2025
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	19/Apr/2024	18/Apr/2025
RF CABLE 5+8m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-03	1GHz~40GHz	20/Feb/2024	19/Feb/2025
SENSE-EMI	Sporton	V5.11.6	NA	NA	NA	NA



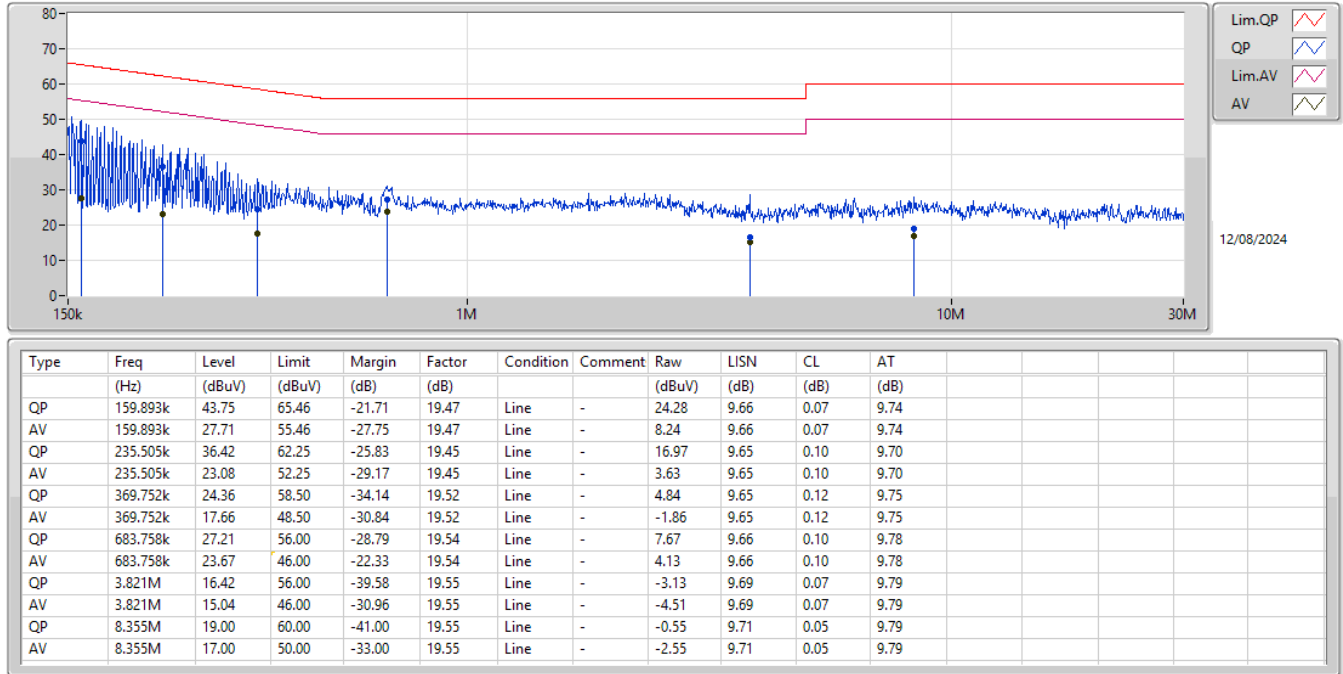
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	171.806k	43.71	64.87	-21.16	Neutral

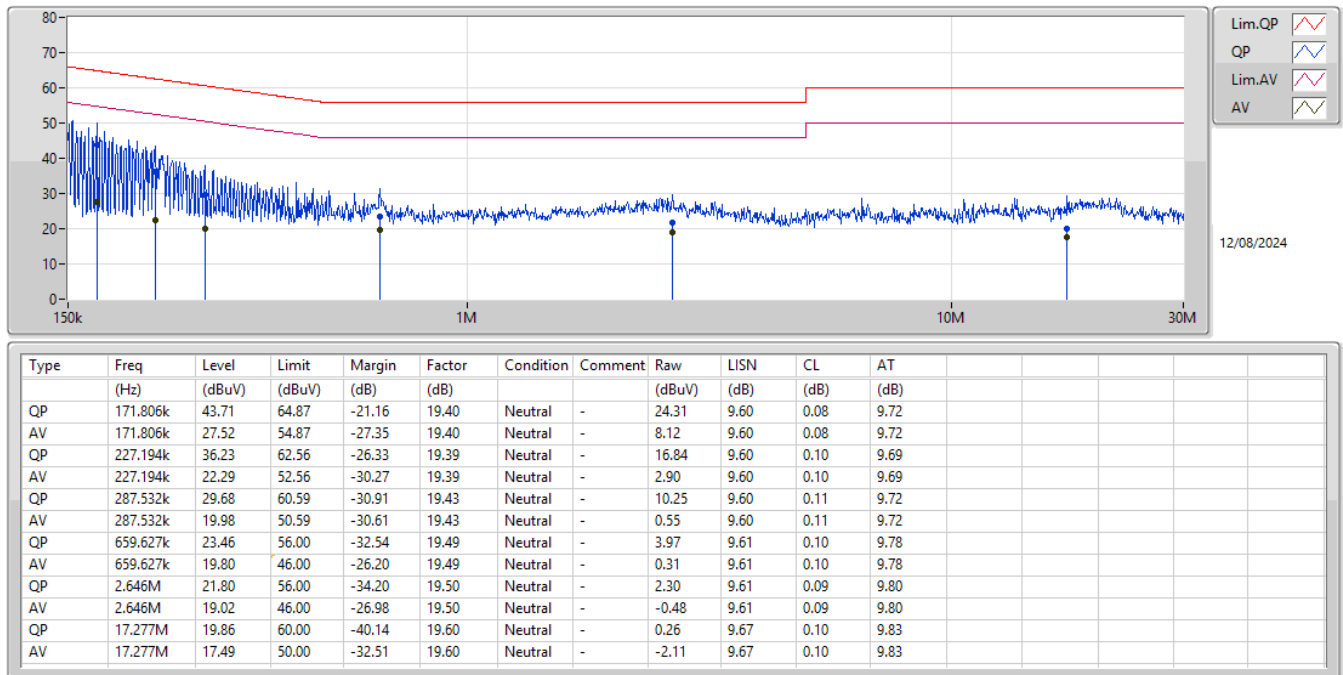
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	159.893k	43.75	65.46	-21.71	Line	-
Mode 1	Pass	AV	159.893k	27.71	55.46	-27.75	Line	-
Mode 1	Pass	QP	235.505k	36.42	62.25	-25.83	Line	-
Mode 1	Pass	AV	235.505k	23.08	52.25	-29.17	Line	-
Mode 1	Pass	QP	369.752k	24.36	58.50	-34.14	Line	-
Mode 1	Pass	AV	369.752k	17.66	48.50	-30.84	Line	-
Mode 1	Pass	QP	683.758k	27.21	56.00	-28.79	Line	-
Mode 1	Pass	AV	683.758k	23.67	46.00	-22.33	Line	-
Mode 1	Pass	QP	3.821M	16.42	56.00	-39.58	Line	-
Mode 1	Pass	AV	3.821M	15.04	46.00	-30.96	Line	-
Mode 1	Pass	QP	8.355M	19.00	60.00	-41.00	Line	-
Mode 1	Pass	AV	8.355M	17.00	50.00	-33.00	Line	-
Mode 1	Pass	QP	171.806k	43.71	64.87	-21.16	Neutral	-
Mode 1	Pass	AV	171.806k	27.52	54.87	-27.35	Neutral	-
Mode 1	Pass	QP	227.194k	36.23	62.56	-26.33	Neutral	-
Mode 1	Pass	AV	227.194k	22.29	52.56	-30.27	Neutral	-
Mode 1	Pass	QP	287.532k	29.68	60.59	-30.91	Neutral	-
Mode 1	Pass	AV	287.532k	19.98	50.59	-30.61	Neutral	-
Mode 1	Pass	QP	659.627k	23.46	56.00	-32.54	Neutral	-
Mode 1	Pass	AV	659.627k	19.80	46.00	-26.20	Neutral	-
Mode 1	Pass	QP	2.646M	21.80	56.00	-34.20	Neutral	-
Mode 1	Pass	AV	2.646M	19.02	46.00	-26.98	Neutral	-
Mode 1	Pass	QP	17.277M	19.86	60.00	-40.14	Neutral	-
Mode 1	Pass	AV	17.277M	17.49	50.00	-32.51	Neutral	-

Conducted Emissions at Powerline_Mode 1



Conducted Emissions at Powerline_Mode 1



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	39.6M	24.963M	25M0D1D	18.7M	16.362M
802.11be EHT20_Nss1,(MCS0)_3TX	34.485M	19.446M	19M4D1D	19.635M	18.914M
802.11be EHT40_Nss1,(MCS0)_3TX	56.65M	37.685M	37M7D1D	38.83M	37.421M
802.11be EHT80_Nss1,(MCS0)_3TX	80.08M	76.95M	77M0D1D	80.08M	76.426M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	16.39M	35.233M	35M2D1D	15.73M	33.681M
802.11be EHT20_Nss1,(MCS0)_3TX	19.085M	39.687M	39M7D1D	14.905M	22.993M
802.11be EHT40_Nss1,(MCS0)_3TX	37.95M	53.257M	53M3D1D	30.03M	37.706M
802.11be EHT80_Nss1,(MCS0)_3TX	77.66M	76.992M	77M0D1D	77.22M	76.677M

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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	18.7M	16.362M	23.76M	16.418M	22.055M	16.42M
5200MHz	Pass	Inf	37.62M	24.963M	39.6M	21.575M	31.24M	17.157M
5240MHz	Pass	Inf	33.495M	17.287M	33.99M	18.771M	27.28M	16.529M
5745MHz	Pass	500k	16.39M	34.771M	16.335M	34.736M	16.28M	33.681M
5785MHz	Pass	500k	16.335M	34.946M	16.28M	34.57M	16.39M	35.233M
5825MHz	Pass	500k	16.39M	35.105M	15.73M	34.898M	16.39M	34.666M
802.11be EHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.635M	18.92M	20.46M	18.925M	19.91M	18.914M
5200MHz	Pass	Inf	28.16M	19.029M	27.885M	19.034M	30.525M	18.927M
5240MHz	Pass	Inf	34.485M	19.276M	33.66M	19.446M	25.74M	18.999M
5745MHz	Pass	500k	18.92M	28.938M	14.905M	22.993M	19.03M	26.319M
5785MHz	Pass	500k	19.085M	39.687M	19.03M	38.175M	19.03M	39.639M
5825MHz	Pass	500k	18.865M	38.075M	19.085M	37.983M	18.975M	37.645M
802.11be EHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.16M	37.573M	38.94M	37.421M	38.83M	37.478M
5230MHz	Pass	Inf	56.65M	37.625M	46.42M	37.685M	38.94M	37.462M
5755MHz	Pass	500k	37.62M	37.942M	37.95M	37.844M	37.73M	37.706M
5795MHz	Pass	500k	30.03M	53.257M	34.65M	49.006M	37.95M	49.484M
802.11be EHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	80.08M	76.882M	80.08M	76.95M	80.08M	76.426M
5775MHz	Pass	500k	77.22M	76.767M	77.66M	76.677M	77.44M	76.992M

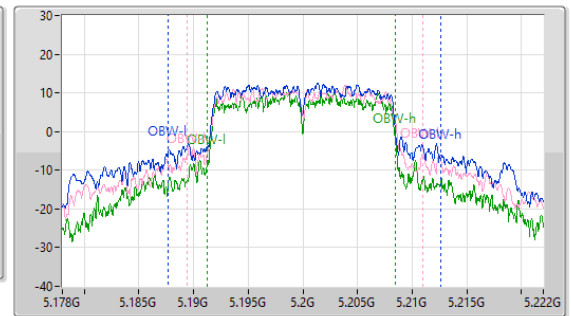
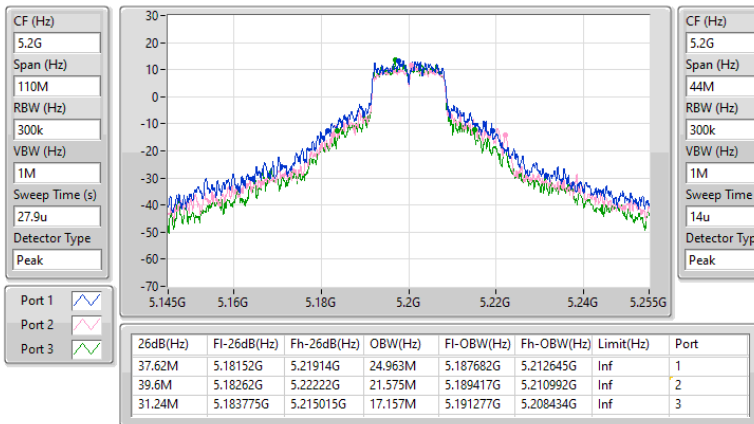
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_3TX

EBW

5200MHz

08/08/2024

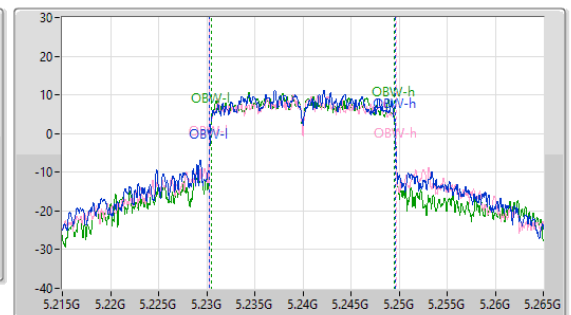
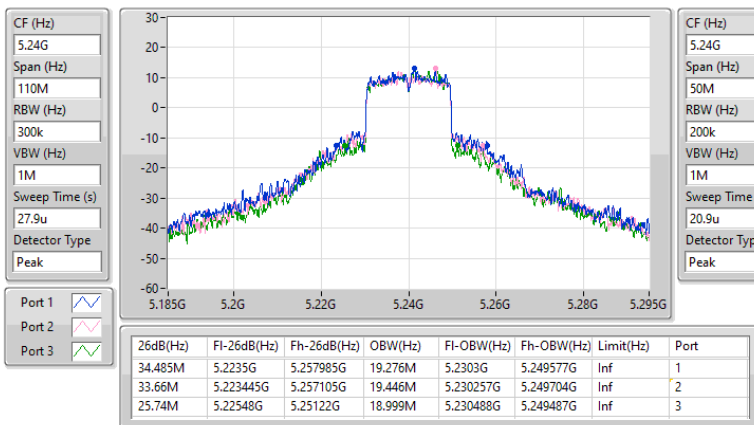


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_3TX

EBW

5240MHz

08/08/2024

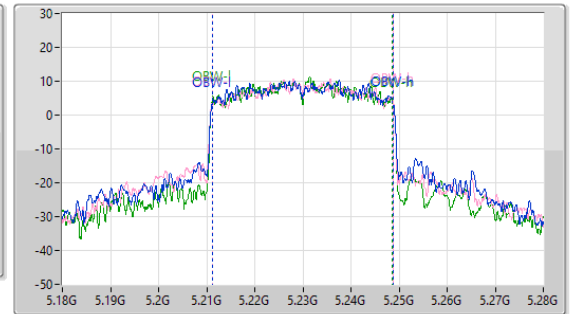
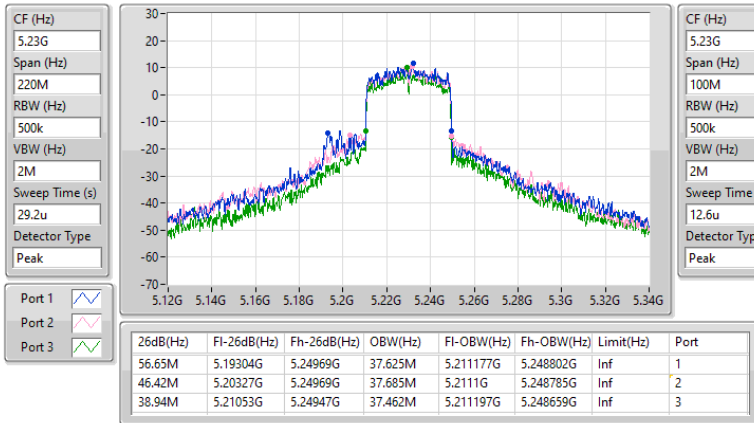


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_3TX

EBW

5230MHz

08/08/2024

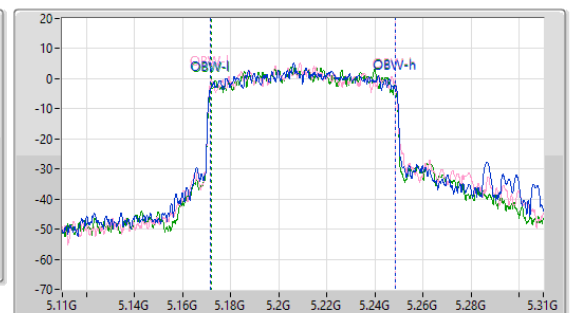
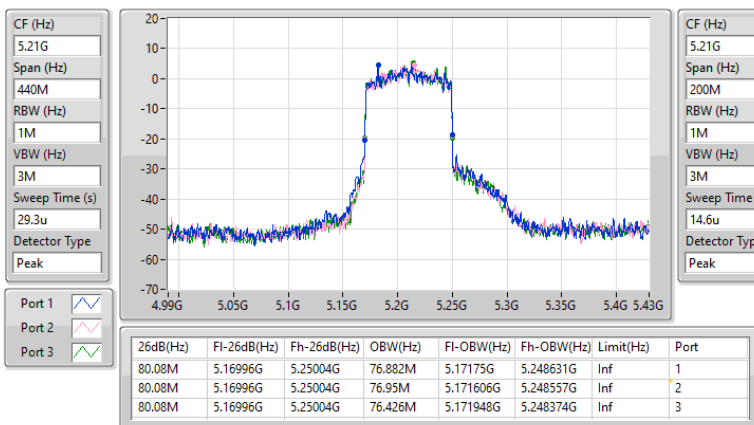


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_3TX

EBW

5210MHz

08/08/2024

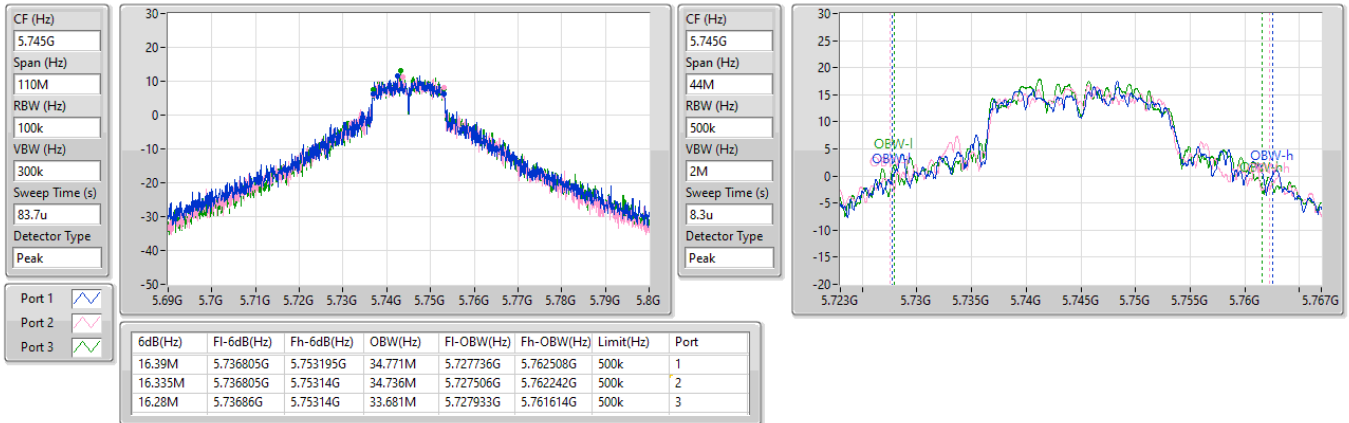


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_3TX

EBW

5745MHz

08/08/2024



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_3TX

EBW

5745MHz

08/08/2024

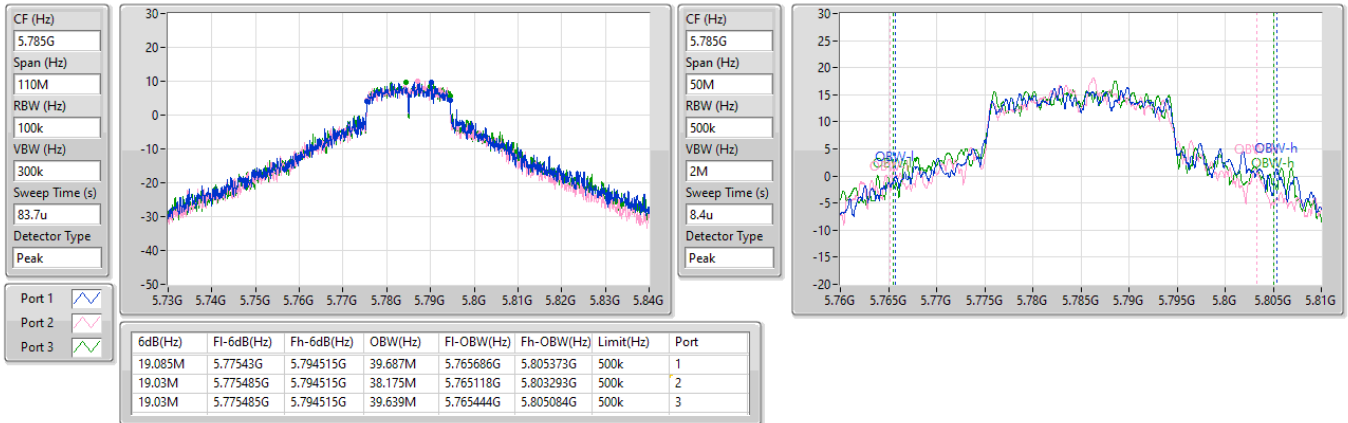


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_3TX

EBW

5785MHz

08/08/2024

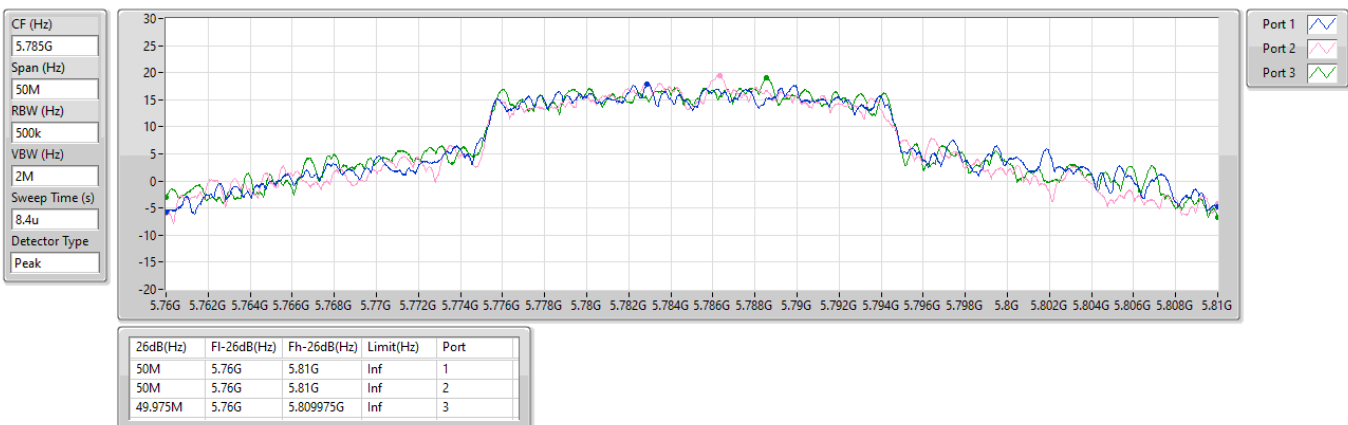


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_3TX

EBW

5785MHz

08/08/2024

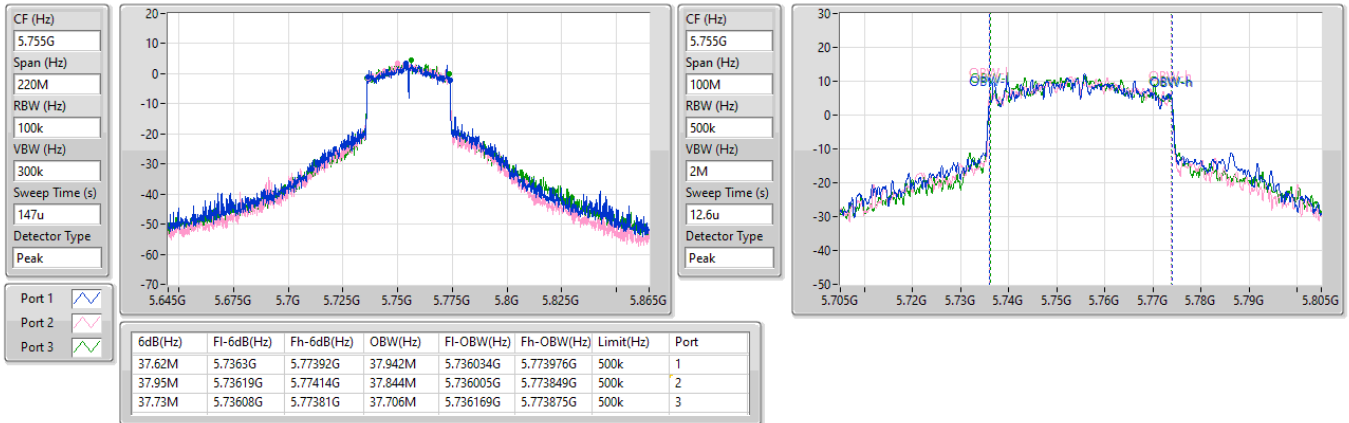


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_3TX

EBW

5755MHz

08/08/2024

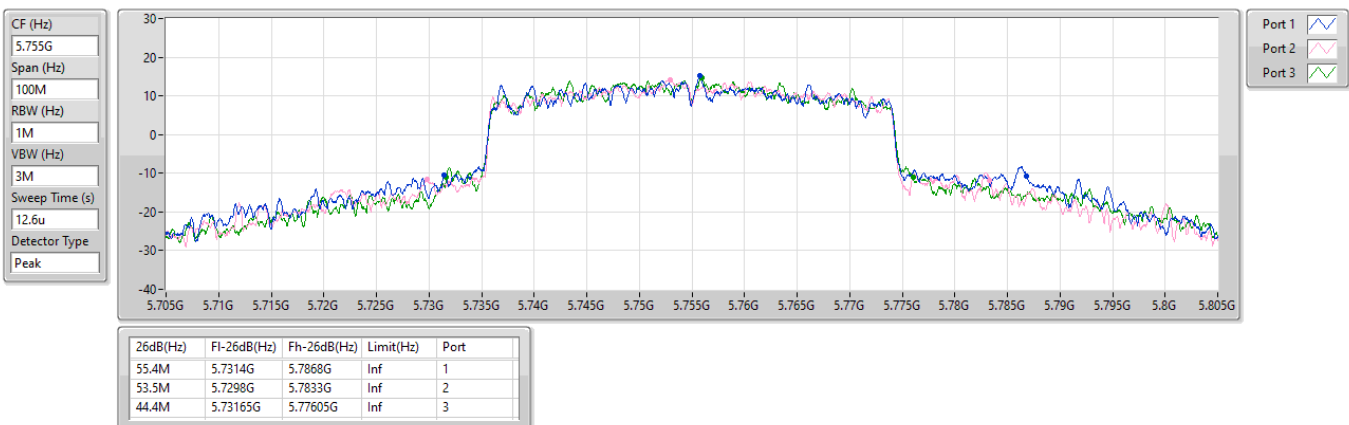


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_3TX

EBW

5755MHz

08/08/2024

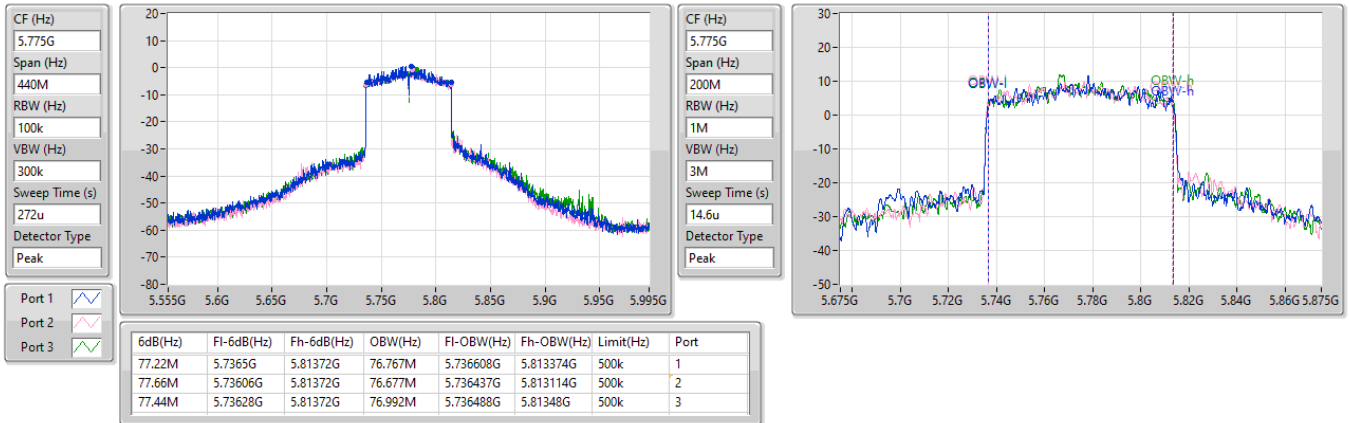


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_3TX

EBW

5775MHz

08/08/2024

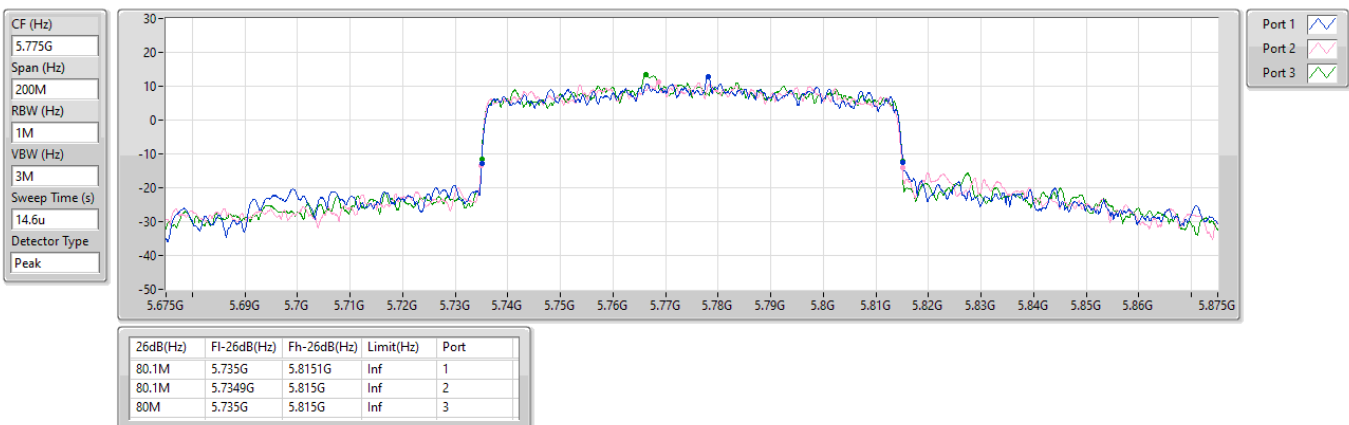


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_3TX

EBW

5775MHz

08/08/2024



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	27.13	0.51642	31.95	1.56675
802.11be EHT20_Nss1,(MCS0)_3TX	26.52	0.44875	31.34	1.36144
802.11be EHT40_Nss1,(MCS0)_3TX	24.84	0.30479	29.66	0.92470
802.11be EHT80_Nss1,(MCS0)_3TX	17.89	0.06152	22.71	0.18664
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	29.14	0.82035	33.94	2.47742
802.11be EHT20_Nss1,(MCS0)_3TX	29.01	0.79616	33.81	2.40436
802.11be EHT40_Nss1,(MCS0)_3TX	27.59	0.57412	32.39	1.73380
802.11be EHT80_Nss1,(MCS0)_3TX	23.68	0.23335	28.48	0.70469

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.82	19.11	18.94	18.74	23.70	30.00	28.52	36.00
5200MHz	Pass	4.82	22.89	21.91	22.21	27.13	30.00	31.95	36.00
5240MHz	Pass	4.82	21.76	21.42	21.64	26.38	30.00	31.20	36.00
5745MHz	Pass	4.80	24.17	24.49	24.45	29.14	30.00	33.94	36.00
5785MHz	Pass	4.80	24.14	24.05	24.43	28.98	30.00	33.78	36.00
5825MHz	Pass	4.80	23.67	23.50	24.36	28.63	30.00	33.43	36.00
802.11be EHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.82	18.73	18.61	18.65	23.43	30.00	28.25	36.00
5200MHz	Pass	4.82	21.05	20.75	20.83	25.65	30.00	30.47	36.00
5240MHz	Pass	4.82	21.93	21.53	21.77	26.52	30.00	31.34	36.00
5745MHz	Pass	4.80	22.86	22.52	22.90	27.53	30.00	32.33	36.00
5785MHz	Pass	4.80	24.19	24.14	24.38	29.01	30.00	33.81	36.00
5825MHz	Pass	4.80	23.80	23.56	24.41	28.71	30.00	33.51	36.00
802.11be EHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.82	15.69	15.66	15.49	20.39	30.00	25.21	36.00
5230MHz	Pass	4.82	20.20	19.98	20.01	24.84	30.00	29.66	36.00
5755MHz	Pass	4.80	20.57	20.63	20.87	25.46	30.00	30.26	36.00
5795MHz	Pass	4.80	23.01	22.51	22.92	27.59	30.00	32.39	36.00
802.11be EHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.82	13.25	13.12	12.97	17.89	30.00	22.71	36.00
5775MHz	Pass	4.80	18.79	18.83	19.10	23.68	30.00	28.48	36.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_3TX	26.51	0.44771	32.54	1.79473
802.11be EHT40-BF_Nss1,(MCS0)_3TX	24.81	0.30269	30.84	1.21339
802.11be EHT80-BF_Nss1,(MCS0)_3TX	17.87	0.06124	23.90	0.24547
5.725-5.85GHz	-	-	-	-
802.11be EHT20-BF_Nss1,(MCS0)_3TX	28.97	0.78886	34.36	2.72898
802.11be EHT40-BF_Nss1,(MCS0)_3TX	27.57	0.57148	32.96	1.97697
802.11be EHT80-BF_Nss1,(MCS0)_3TX	23.64	0.23121	29.03	0.79983



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	6.03	18.72	18.60	18.64	23.42	29.97	29.45	36.00
5200MHz	Pass	6.03	21.04	20.74	20.82	25.64	29.97	31.67	36.00
5240MHz	Pass	6.03	21.92	21.52	21.76	26.51	29.97	32.54	36.00
5745MHz	Pass	5.39	22.84	22.50	22.88	27.51	30.00	32.90	36.00
5785MHz	Pass	5.39	24.15	24.10	24.34	28.97	30.00	34.36	36.00
5825MHz	Pass	5.39	23.78	23.54	24.39	28.69	30.00	34.08	36.00
802.11be EHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	6.03	15.65	15.62	15.45	20.35	29.97	26.38	36.00
5230MHz	Pass	6.03	20.17	19.95	19.98	24.81	29.97	30.84	36.00
5755MHz	Pass	5.39	20.53	20.59	20.83	25.42	30.00	30.81	36.00
5795MHz	Pass	5.39	22.99	22.49	22.90	27.57	30.00	32.96	36.00
802.11be EHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	6.03	13.23	13.10	12.95	17.87	29.97	23.90	36.00
5775MHz	Pass	5.39	18.75	18.79	19.06	23.64	30.00	29.03	36.00

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)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_3TX	14.68	20.71
802.11be EHT20_Nss1,(MCS0)_3TX	13.55	19.58
802.11be EHT40_Nss1,(MCS0)_3TX	9.97	16.00
802.11be EHT80_Nss1,(MCS0)_3TX	-0.02	6.01
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_3TX	14.95	20.34
802.11be EHT20_Nss1,(MCS0)_3TX	14.45	19.84
802.11be EHT40_Nss1,(MCS0)_3TX	11.27	16.66
802.11be EHT80_Nss1,(MCS0)_3TX	4.43	9.82

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)	Port 3 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	6.03	6.65	6.45	6.47	11.25	16.97	17.28	23.00
5200MHz	Pass	6.03	10.50	9.45	9.81	14.68	16.97	20.71	23.00
5240MHz	Pass	6.03	9.28	8.89	9.24	13.86	16.97	19.89	23.00
5745MHz	Pass	5.39	10.00	10.37	10.44	14.95	30.00	20.34	36.00
5785MHz	Pass	5.39	10.15	10.05	10.35	14.91	30.00	20.30	36.00
5825MHz	Pass	5.39	9.48	9.45	10.15	14.38	30.00	19.77	36.00
802.11be EHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	6.03	5.89	5.80	5.74	10.52	16.97	16.55	23.00
5200MHz	Pass	6.03	8.09	7.80	8.01	12.69	16.97	18.72	23.00
5240MHz	Pass	6.03	8.95	8.55	8.89	13.55	16.97	19.58	23.00
5745MHz	Pass	5.39	8.54	8.41	8.51	13.18	30.00	18.57	36.00
5785MHz	Pass	5.39	9.65	9.57	9.88	14.45	30.00	19.84	36.00
5825MHz	Pass	5.39	9.17	9.03	9.77	14.04	30.00	19.43	36.00
802.11be EHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	6.03	0.78	0.90	0.69	5.48	16.97	11.51	23.00
5230MHz	Pass	6.03	5.28	5.16	5.20	9.97	16.97	16.00	23.00
5755MHz	Pass	5.39	4.44	4.54	4.62	9.24	30.00	14.63	36.00
5795MHz	Pass	5.39	6.72	6.36	6.65	11.27	30.00	16.66	36.00
802.11be EHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	6.03	-4.58	-4.60	-4.79	-0.02	16.97	6.01	23.00
5775MHz	Pass	5.39	-0.39	-0.16	-0.14	4.43	30.00	9.82	36.00

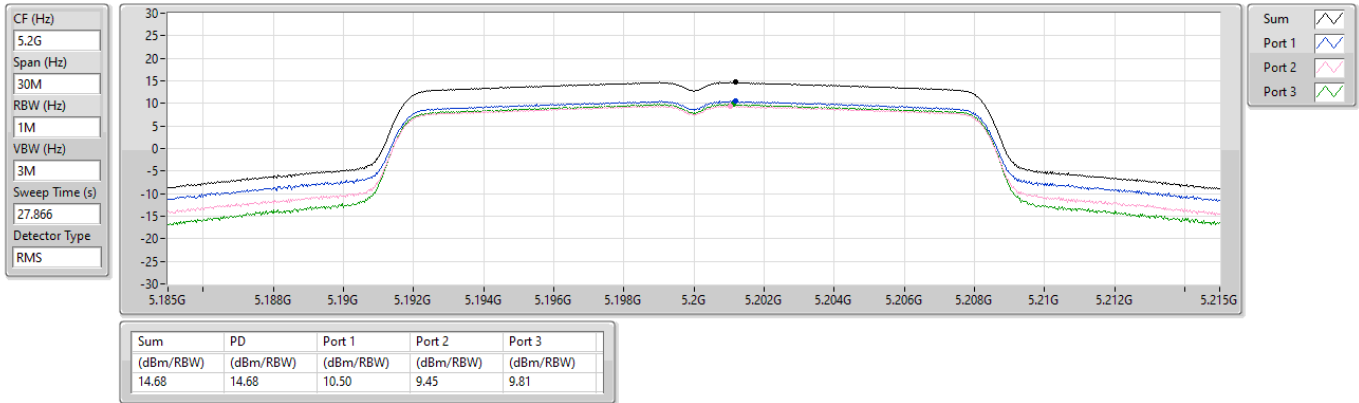
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_3TX

PSD

5200MHz

08/08/2024

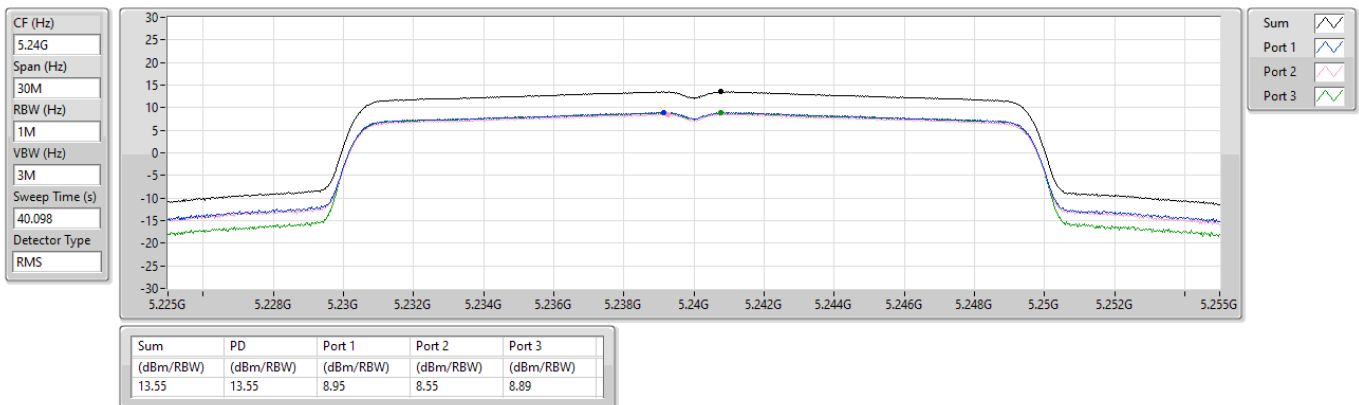


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_3TX

PSD

5240MHz

08/08/2024

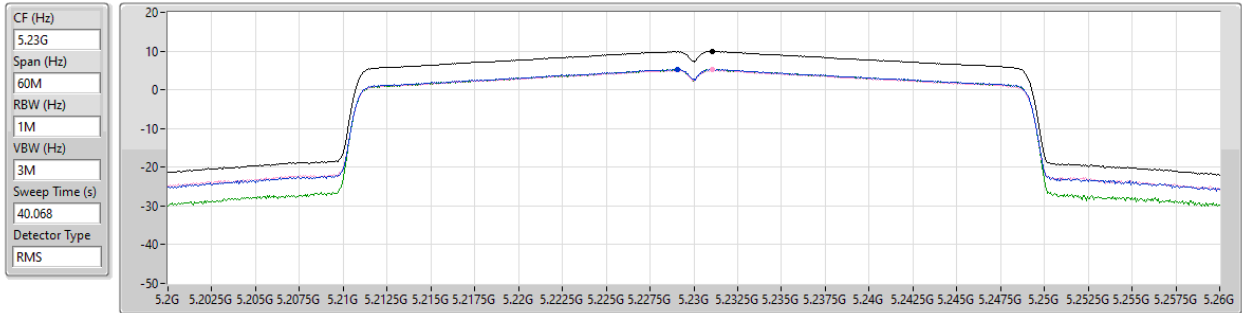


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_3TX

PSD

5230MHz

08/08/2024



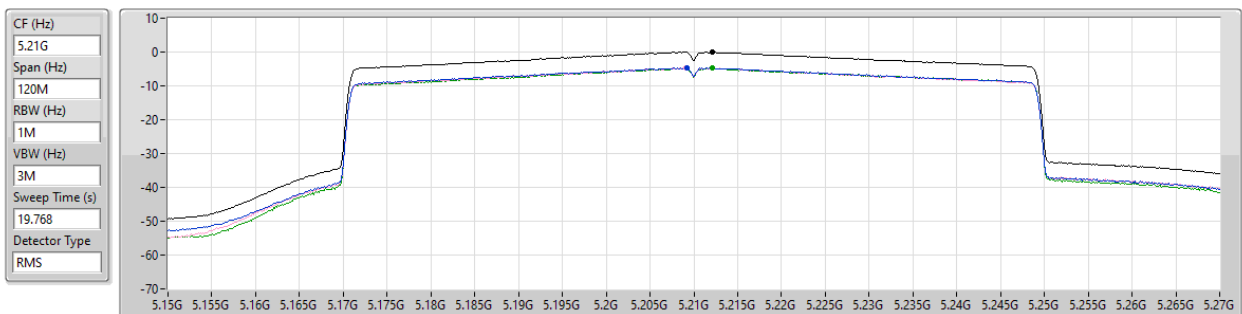
Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.97	9.97	5.28	5.16	5.20

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_3TX

PSD

5210MHz

08/08/2024



Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.02	-0.02	-4.58	-4.60	-4.79

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_3TX

PSD

5745MHz

08/08/2024

CF (Hz)
5.745G

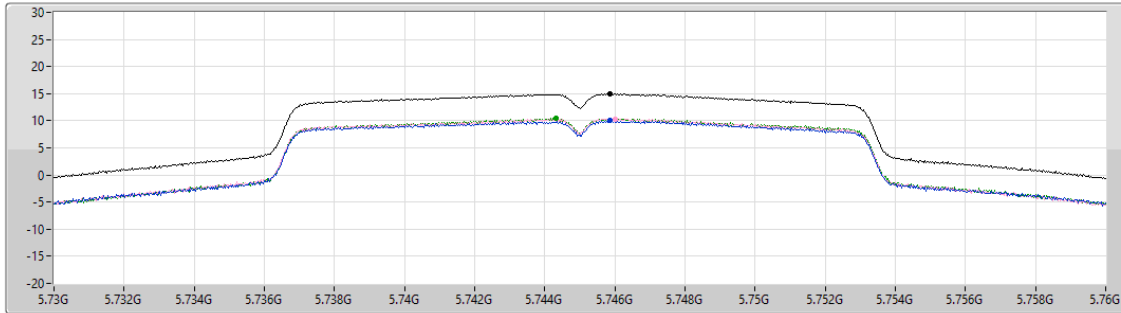
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
27.866

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Port 3 ☐

Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
14.95	14.95	10.00	10.37	10.44

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_3TX

PSD

5785MHz

08/08/2024

CF (Hz)
5.785G

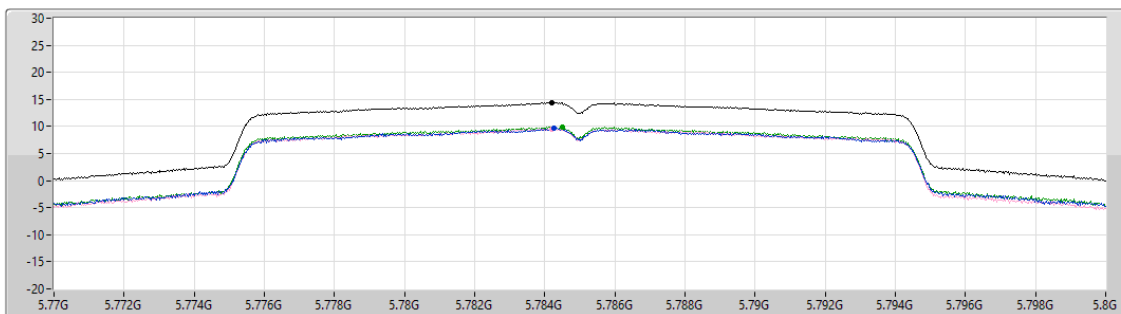
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
40.098

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Port 3 ☐

Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
14.45	14.45	9.65	9.57	9.88

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_3TX

PSD

5795MHz

08/08/2024

CF (Hz)
5.795G

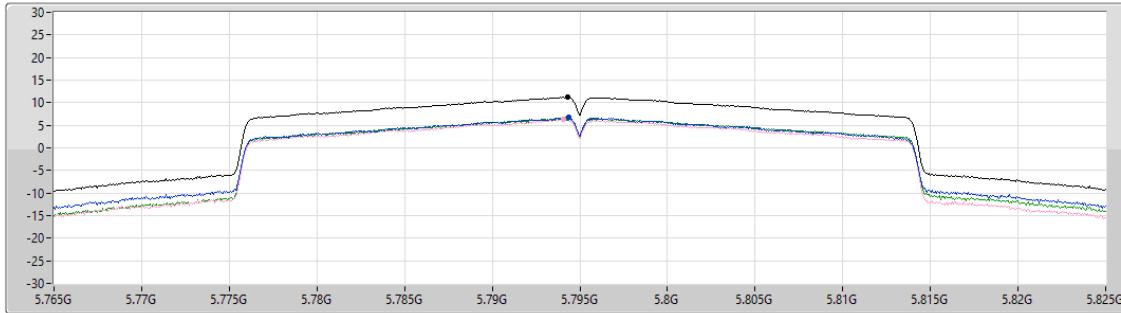
Span (Hz)
60M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
40.068

Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.27	11.27	6.72	6.36	6.65

Sum ☐

Port 1 ☐

Port 2 ☐

Port 3 ☐

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_3TX

PSD

5775MHz

08/08/2024

CF (Hz)
5.775G

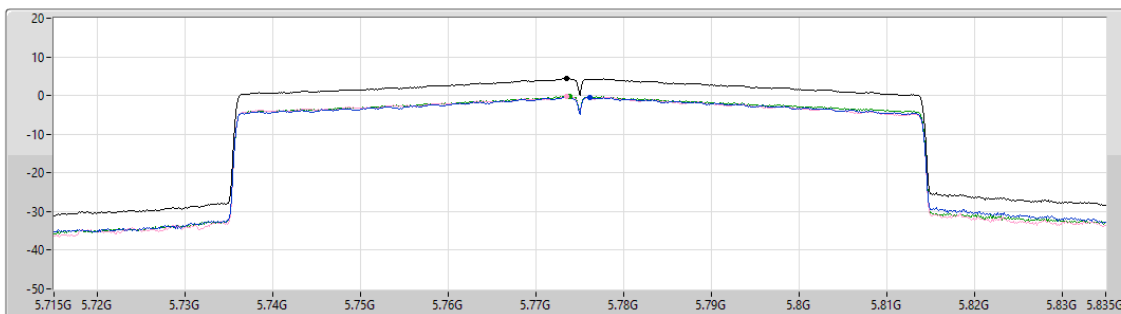
Span (Hz)
120M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
19.768

Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.43	4.43	-0.39	-0.16	-0.14

Sum ☐

Port 1 ☐

Port 2 ☐

Port 3 ☐



Summary

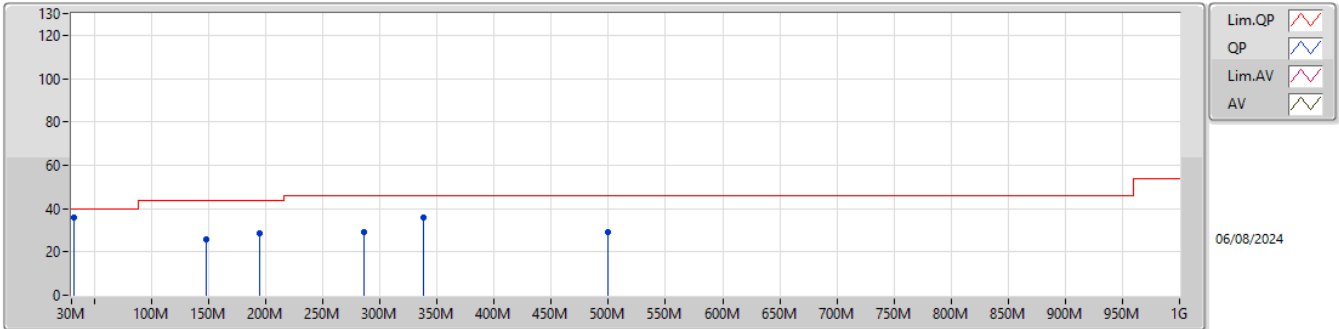
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT80_Nss1,(MCS0)_3TX	Pass	QP	334.58M	42.42	46.00	-3.58	3	Horizontal	261	1.14

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11be EHT80_Nss1.(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-
5210MHz_Adapter	Pass	PK	31.94M	36.11	40.00	-3.89	3	Vertical	360	1.00
5210MHz_Adapter	Pass	PK	148.34M	26.05	43.50	-17.45	3	Vertical	360	1.00
5210MHz_Adapter	Pass	PK	194.9M	28.80	43.50	-14.70	3	Vertical	360	1.00
5210MHz_Adapter	Pass	PK	286.08M	28.88	46.00	-17.12	3	Vertical	360	1.00
5210MHz_Adapter	Pass	PK	338.46M	35.64	46.00	-10.36	3	Vertical	360	1.00
5210MHz_Adapter	Pass	PK	499.48M	29.11	46.00	-16.89	3	Vertical	360	1.00
5210MHz_Adapter	Pass	PK	31.94M	26.33	40.00	-13.67	3	Horizontal	0	1.00
5210MHz_Adapter	Pass	PK	111.48M	26.02	43.50	-17.48	3	Horizontal	0	1.00
5210MHz_Adapter	Pass	PK	159.98M	31.60	43.50	-11.90	3	Horizontal	0	1.00
5210MHz_Adapter	Pass	PK	278.32M	36.12	46.00	-9.88	3	Horizontal	0	1.00
5210MHz_Adapter	Pass	PK	528.58M	29.01	46.00	-16.99	3	Horizontal	0	1.00
5210MHz_Adapter	Pass	QP	334.58M	42.42	46.00	-3.58	3	Horizontal	261	1.14

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_3TX

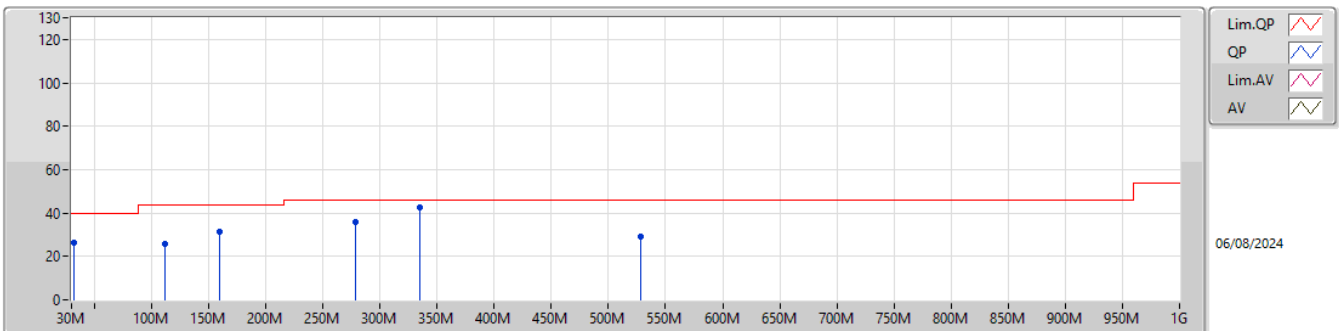
5210MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	31.94M	36.11	40.00	-3.89	-4.29	3	Vertical	360	1.00	40.40	22.46	0.63	27.38
PK	148.34M	26.05	43.50	-17.45	-9.91	3	Vertical	360	1.00	35.96	15.75	1.41	27.07
PK	194.9M	28.80	43.50	-14.70	-11.16	3	Vertical	360	1.00	39.96	14.10	1.60	26.86
PK	286.08M	28.88	46.00	-17.12	-6.77	3	Vertical	360	1.00	35.65	18.03	1.86	26.66
PK	338.46M	35.64	46.00	-10.36	-6.05	3	Vertical	360	1.00	41.69	18.83	2.07	26.95
PK	499.48M	29.11	46.00	-16.89	-3.06	3	Vertical	360	1.00	32.17	22.53	2.46	28.05

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_3TX

5210MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	31.94M	26.33	40.00	-13.67	-4.29	3	Horizontal	0	1.00	30.62	22.46	0.63	27.38
PK	111.48M	26.02	43.50	-17.48	-9.16	3	Horizontal	0	1.00	35.18	16.82	1.23	27.21
PK	159.98M	31.60	43.50	-11.90	-10.37	3	Horizontal	0	1.00	41.97	15.18	1.47	27.02
PK	278.32M	36.12	46.00	-9.88	-6.89	3	Horizontal	0	1.00	43.01	17.92	1.85	26.66
PK	528.58M	29.01	46.00	-16.99	-3.19	3	Horizontal	0	1.00	32.20	22.56	2.51	28.26
QP	334.58M	42.42	46.00	-3.58	-6.10	3	Horizontal	261	1.14	48.52	18.76	2.06	26.92

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	Pass	PK	5.149G	72.94	74.00	-1.06	3	Vertical	285	2.62
802.11be EHT20_Nss1,(MCS0)_3TX	Pass	PK	5.1496G	72.54	74.00	-1.46	3	Vertical	280	2.58
802.11be EHT40_Nss1,(MCS0)_3TX	Pass	AV	5.1484G	52.81	54.00	-1.19	3	Vertical	286	2.68
802.11be EHT80_Nss1,(MCS0)_3TX	Pass	AV	5.15G	52.08	54.00	-1.92	3	Vertical	284	2.79
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	Pass	PK	5.9246G	67.09	68.50	-1.41	3	Vertical	194	2.33
802.11be EHT20_Nss1,(MCS0)_3TX	Pass	AV	11.57232G	50.91	54.00	-3.09	3	Vertical	267	1.00
802.11be EHT40_Nss1,(MCS0)_3TX	Pass	PK	5.6458G	65.59	68.20	-2.61	3	Vertical	324	1.28
802.11be EHT80_Nss1,(MCS0)_3TX	Pass	PK	5.6502G	66.15	68.35	-2.20	3	Vertical	331	2.95

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1_(6Mbps)_3TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1498G	47.43	54.00	-6.57	3	Vertical	285	2.62
5180MHz	Pass	AV	5.1786G	107.48	Inf	-Inf	3	Vertical	285	2.62
5180MHz	Pass	PK	5.149G	72.94	74.00	-1.06	3	Vertical	285	2.62
5180MHz	Pass	PK	5.178G	118.05	Inf	-Inf	3	Vertical	285	2.62
5180MHz	Pass	AV	5.15G	44.92	54.00	-9.08	3	Horizontal	53	2.62
5180MHz	Pass	AV	5.1846G	103.33	Inf	-Inf	3	Horizontal	53	2.62
5180MHz	Pass	PK	5.1498G	64.51	74.00	-9.49	3	Horizontal	53	2.62
5180MHz	Pass	PK	5.185G	114.54	Inf	-Inf	3	Horizontal	53	2.62
5180MHz	Pass	AV	15.54354G	37.10	54.00	-16.90	3	Vertical	50	1.50
5180MHz	Pass	PK	10.36176G	51.91	68.20	-16.29	3	Vertical	159	2.90
5180MHz	Pass	PK	15.52956G	49.82	74.00	-24.18	3	Vertical	50	1.50
5180MHz	Pass	AV	15.5448G	36.95	54.00	-17.05	3	Horizontal	197	2.55
5180MHz	Pass	PK	10.34992G	48.86	68.20	-19.34	3	Horizontal	330	2.32
5180MHz	Pass	PK	15.55314G	49.76	74.00	-24.24	3	Horizontal	197	2.55
5200MHz	Pass	AV	5.146G	50.77	54.00	-3.23	3	Vertical	198	2.29
5200MHz	Pass	AV	5.2028G	107.49	Inf	-Inf	3	Vertical	198	2.29
5200MHz	Pass	PK	5.1448G	67.52	74.00	-6.48	3	Vertical	198	2.29
5200MHz	Pass	PK	5.2028G	118.47	Inf	-Inf	3	Vertical	198	2.29
5200MHz	Pass	AV	5.1464G	50.32	54.00	-3.68	3	Horizontal	53	2.67
5200MHz	Pass	AV	5.2044G	106.20	Inf	-Inf	3	Horizontal	53	2.67
5200MHz	Pass	PK	5.1456G	67.79	74.00	-6.21	3	Horizontal	53	2.67
5200MHz	Pass	PK	5.2044G	117.09	Inf	-Inf	3	Horizontal	53	2.67
5200MHz	Pass	AV	15.59958G	40.82	54.00	-13.18	3	Vertical	149	2.06
5200MHz	Pass	PK	10.40144G	54.89	68.20	-13.31	3	Vertical	157	3.00
5200MHz	Pass	PK	15.59712G	52.73	74.00	-21.27	3	Vertical	149	2.06
5200MHz	Pass	AV	15.58656G	37.96	54.00	-16.04	3	Horizontal	263	1.50
5200MHz	Pass	PK	10.39076G	50.80	68.20	-17.40	3	Horizontal	12	2.06
5200MHz	Pass	PK	15.60384G	50.93	74.00	-23.07	3	Horizontal	263	1.50
5240MHz	Pass	AV	5.1434G	45.42	54.00	-8.58	3	Vertical	196	1.35
5240MHz	Pass	AV	5.2424G	108.61	Inf	-Inf	3	Vertical	196	1.35
5240MHz	Pass	AV	5.3516G	44.74	54.00	-9.26	3	Vertical	196	1.35
5240MHz	Pass	PK	5.15G	65.76	74.00	-8.24	3	Vertical	196	1.35
5240MHz	Pass	PK	5.2424G	119.75	Inf	-Inf	3	Vertical	196	1.35
5240MHz	Pass	PK	5.3528G	61.35	74.00	-12.65	3	Vertical	196	1.35
5240MHz	Pass	AV	5.1446G	45.55	54.00	-8.45	3	Horizontal	52	2.63
5240MHz	Pass	AV	5.2442G	107.25	Inf	-Inf	3	Horizontal	52	2.63
5240MHz	Pass	AV	5.354G	43.90	54.00	-10.10	3	Horizontal	52	2.63
5240MHz	Pass	PK	5.1446G	62.18	74.00	-11.82	3	Horizontal	52	2.63
5240MHz	Pass	PK	5.2442G	118.56	Inf	-Inf	3	Horizontal	52	2.63
5240MHz	Pass	PK	5.3534G	59.11	74.00	-14.89	3	Horizontal	52	2.63
5240MHz	Pass	AV	15.71556G	41.18	54.00	-12.82	3	Vertical	218	2.17
5240MHz	Pass	PK	10.48108G	55.89	68.20	-12.31	3	Vertical	275	1.10
5240MHz	Pass	PK	15.7254G	53.70	74.00	-20.30	3	Vertical	218	2.17
5240MHz	Pass	AV	15.72066G	38.54	54.00	-15.46	3	Horizontal	126	2.69
5240MHz	Pass	PK	10.47556G	52.37	68.20	-15.83	3	Horizontal	332	2.06
5240MHz	Pass	PK	15.72006G	51.13	74.00	-22.87	3	Horizontal	126	2.69
5745MHz	Pass	AV	5.4498G	41.98	54.00	-12.02	3	Vertical	191	1.65
5745MHz	Pass	AV	5.7438G	109.29	Inf	-Inf	3	Vertical	191	1.65
5745MHz	Pass	PK	5.6454G	65.36	68.20	-2.84	3	Vertical	191	1.65
5745MHz	Pass	PK	5.7438G	120.55	Inf	-Inf	3	Vertical	191	1.65
5745MHz	Pass	PK	5.9706G	57.66	68.20	-10.54	3	Vertical	191	1.65
5745MHz	Pass	AV	5.4594G	42.08	54.00	-11.92	3	Horizontal	53	2.46
5745MHz	Pass	AV	5.7474G	107.21	Inf	-Inf	3	Horizontal	53	2.46
5745MHz	Pass	PK	5.6574G	69.18	73.68	-4.50	3	Horizontal	53	2.46
5745MHz	Pass	PK	5.7474G	118.35	Inf	-Inf	3	Horizontal	53	2.46
5745MHz	Pass	PK	5.9718G	58.77	68.20	-9.43	3	Horizontal	53	2.46
5745MHz	Pass	AV	11.49256G	51.56	54.00	-2.44	3	Vertical	32	1.96
5745MHz	Pass	PK	11.49216G	64.77	74.00	-9.23	3	Vertical	32	1.96
5745MHz	Pass	PK	17.235G	53.68	68.20	-14.52	3	Vertical	13	3.00
5745MHz	Pass	AV	11.4924G	48.20	54.00	-5.80	3	Horizontal	350	1.04

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5745MHz	Pass	PK	11.49272G	60.92	74.00	-13.08	3	Horizontal	350	1.04
5745MHz	Pass	PK	17.22796G	50.93	68.20	-17.27	3	Horizontal	19	1.00
5785MHz	Pass	AV	5.7838G	109.19	Inf	-Inf	3	Vertical	190	2.28
5785MHz	Pass	PK	5.6446G	59.82	68.20	-8.38	3	Vertical	190	2.28
5785MHz	Pass	PK	5.7838G	120.54	Inf	-Inf	3	Vertical	190	2.28
5785MHz	Pass	PK	5.935G	58.14	68.20	-10.06	3	Vertical	190	2.28
5785MHz	Pass	AV	5.7862G	108.46	Inf	-Inf	3	Horizontal	21	2.89
5785MHz	Pass	PK	5.647G	58.17	68.20	-10.03	3	Horizontal	21	2.89
5785MHz	Pass	PK	5.7862G	119.66	Inf	-Inf	3	Horizontal	21	2.89
5785MHz	Pass	PK	5.9614G	58.38	68.20	-9.82	3	Horizontal	21	2.89
5785MHz	Pass	AV	11.56912G	52.39	54.00	-1.61	3	Vertical	262	2.16
5785MHz	Pass	PK	11.56896G	65.68	74.00	-8.32	3	Vertical	262	2.16
5785MHz	Pass	PK	17.35604G	54.48	68.20	-13.72	3	Vertical	314	2.31
5785MHz	Pass	AV	11.56904G	48.19	54.00	-5.81	3	Horizontal	338	2.12
5785MHz	Pass	PK	11.57048G	61.75	74.00	-12.25	3	Horizontal	338	2.12
5785MHz	Pass	PK	17.35028G	50.44	68.20	-17.76	3	Horizontal	187	1.31
5825MHz	Pass	AV	5.825G	110.87	Inf	-Inf	3	Vertical	194	2.33
5825MHz	Pass	PK	5.6462G	57.55	68.20	-10.65	3	Vertical	194	2.33
5825MHz	Pass	PK	5.8262G	122.32	Inf	-Inf	3	Vertical	194	2.33
5825MHz	Pass	PK	5.9246G	67.09	68.50	-1.41	3	Vertical	194	2.33
5825MHz	Pass	AV	5.8238G	108.31	Inf	-Inf	3	Horizontal	10	1.00
5825MHz	Pass	PK	5.6294G	56.08	68.20	-12.12	3	Horizontal	10	1.00
5825MHz	Pass	PK	5.8238G	119.58	Inf	-Inf	3	Horizontal	10	1.00
5825MHz	Pass	PK	5.9246G	64.52	68.50	-3.98	3	Horizontal	10	1.00
5825MHz	Pass	AV	11.6492G	50.26	54.00	-3.74	3	Vertical	266	1.00
5825MHz	Pass	PK	11.64984G	63.61	74.00	-10.39	3	Vertical	266	1.00
5825MHz	Pass	PK	17.4802G	52.45	68.20	-15.75	3	Vertical	339	3.00
5825MHz	Pass	AV	11.64912G	47.30	54.00	-6.70	3	Horizontal	339	2.21
5825MHz	Pass	PK	11.64944G	60.76	74.00	-13.24	3	Horizontal	339	2.21
5825MHz	Pass	PK	17.47476G	51.06	68.20	-17.14	3	Horizontal	192	1.00
802.11be EHT20_Nss1(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149G	48.77	54.00	-5.23	3	Vertical	70	2.44
5180MHz	Pass	AV	5.1788G	104.73	Inf	-Inf	3	Vertical	70	2.44
5180MHz	Pass	PK	5.1486G	69.78	74.00	-4.22	3	Vertical	70	2.44
5180MHz	Pass	PK	5.1788G	116.19	Inf	-Inf	3	Vertical	70	2.44
5180MHz	Pass	AV	5.1494G	47.10	54.00	-6.90	3	Horizontal	272	1.00
5180MHz	Pass	AV	5.1814G	102.62	Inf	-Inf	3	Horizontal	272	1.00
5180MHz	Pass	PK	5.149G	65.89	74.00	-8.11	3	Horizontal	272	1.00
5180MHz	Pass	PK	5.1818G	115.91	Inf	-Inf	3	Horizontal	272	1.00
5180MHz	Pass	AV	15.54384G	37.53	54.00	-16.47	3	Vertical	206	1.18
5180MHz	Pass	PK	10.36248G	52.95	68.20	-15.25	3	Vertical	155	2.92
5180MHz	Pass	PK	15.54384G	51.19	74.00	-22.81	3	Vertical	206	1.18
5180MHz	Pass	AV	15.54512G	37.14	54.00	-16.86	3	Horizontal	21	1.50
5180MHz	Pass	PK	10.35376G	49.01	68.20	-19.19	3	Horizontal	240	1.47
5180MHz	Pass	PK	15.54576G	50.70	74.00	-23.30	3	Horizontal	21	1.50
5200MHz	Pass	AV	5.1496G	52.44	54.00	-1.56	3	Vertical	280	2.58
5200MHz	Pass	AV	5.202G	107.28	Inf	-Inf	3	Vertical	280	2.58
5200MHz	Pass	PK	5.1496G	72.54	74.00	-1.46	3	Vertical	280	2.58
5200MHz	Pass	PK	5.1968G	119.29	Inf	-Inf	3	Vertical	280	2.58
5200MHz	Pass	AV	5.1468G	47.06	54.00	-6.94	3	Horizontal	56	1.00
5200MHz	Pass	AV	5.1992G	104.29	Inf	-Inf	3	Horizontal	56	1.00
5200MHz	Pass	PK	5.15G	65.16	74.00	-8.84	3	Horizontal	56	1.00
5200MHz	Pass	PK	5.1988G	117.15	Inf	-Inf	3	Horizontal	56	1.00
5200MHz	Pass	AV	15.59816G	39.32	54.00	-14.68	3	Vertical	144	2.14
5200MHz	Pass	PK	10.39728G	53.89	68.20	-14.31	3	Vertical	155	3.00
5200MHz	Pass	PK	15.60312G	52.38	74.00	-21.62	3	Vertical	144	2.14
5200MHz	Pass	AV	15.58904G	37.48	54.00	-16.52	3	Horizontal	308	1.50
5200MHz	Pass	PK	10.39792G	50.01	68.20	-18.19	3	Horizontal	27	1.30
5200MHz	Pass	PK	15.58808G	50.84	74.00	-23.16	3	Horizontal	308	1.50
5240MHz	Pass	AV	5.147G	48.39	54.00	-5.61	3	Vertical	290	2.45
5240MHz	Pass	AV	5.2418G	109.89	Inf	-Inf	3	Vertical	290	2.45
5240MHz	Pass	AV	5.3516G	45.45	54.00	-8.55	3	Vertical	290	2.45

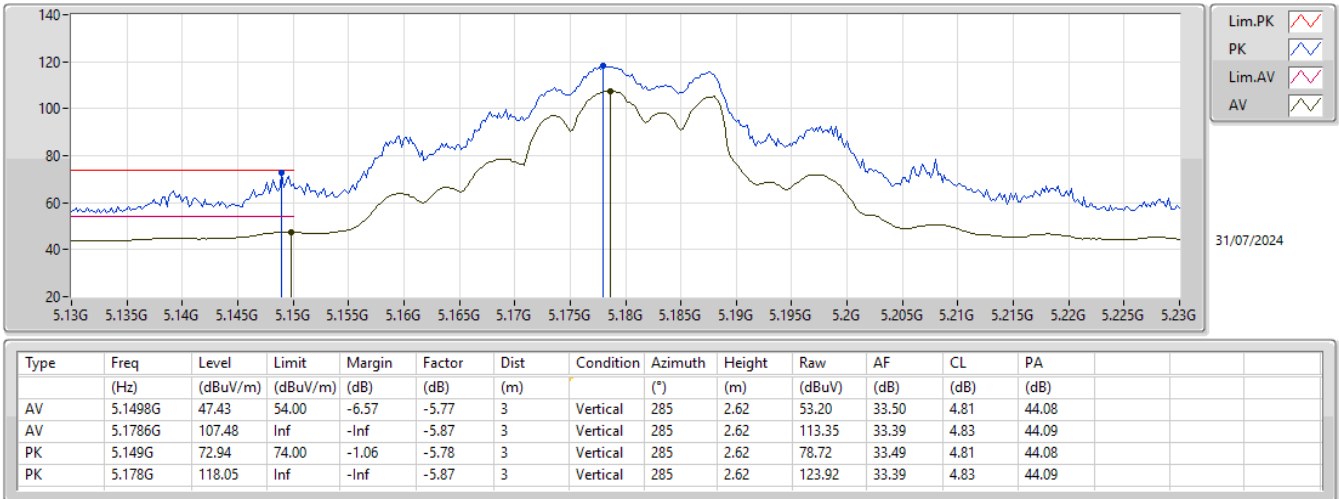
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5240MHz	Pass	PK	5.147G	67.28	74.00	-6.72	3	Vertical	290	2.45
5240MHz	Pass	PK	5.2418G	122.60	Inf	-Inf	3	Vertical	290	2.45
5240MHz	Pass	PK	5.3516G	62.82	74.00	-11.18	3	Vertical	290	2.45
5240MHz	Pass	AV	5.1488G	47.14	54.00	-6.86	3	Horizontal	273	1.07
5240MHz	Pass	AV	5.2388G	107.17	Inf	-Inf	3	Horizontal	273	1.07
5240MHz	Pass	AV	5.3534G	44.38	54.00	-9.62	3	Horizontal	273	1.07
5240MHz	Pass	PK	5.1494G	65.53	74.00	-8.47	3	Horizontal	273	1.07
5240MHz	Pass	PK	5.2388G	118.64	Inf	-Inf	3	Horizontal	273	1.07
5240MHz	Pass	PK	5.3582G	59.13	74.00	-14.87	3	Horizontal	273	1.07
5240MHz	Pass	AV	15.71792G	41.00	54.00	-13.00	3	Vertical	218	2.12
5240MHz	Pass	PK	10.48144G	52.11	68.20	-16.09	3	Vertical	359	2.10
5240MHz	Pass	PK	15.71808G	52.99	74.00	-21.01	3	Vertical	218	2.12
5240MHz	Pass	AV	15.71832G	37.47	54.00	-16.53	3	Horizontal	189	1.89
5240MHz	Pass	PK	10.47784G	52.17	68.20	-16.03	3	Horizontal	26	2.10
5240MHz	Pass	PK	15.72384G	50.70	74.00	-23.30	3	Horizontal	189	1.89
5745MHz	Pass	AV	5.4486G	42.01	54.00	-11.99	3	Vertical	329	3.00
5745MHz	Pass	AV	5.7462G	108.40	Inf	-Inf	3	Vertical	329	3.00
5745MHz	Pass	PK	5.649G	62.55	68.20	-5.65	3	Vertical	329	3.00
5745MHz	Pass	PK	5.751G	120.71	Inf	-Inf	3	Vertical	329	3.00
5745MHz	Pass	PK	5.9514G	58.75	68.20	-9.45	3	Vertical	329	3.00
5745MHz	Pass	AV	5.4546G	42.05	54.00	-11.95	3	Horizontal	10	2.84
5745MHz	Pass	AV	5.7438G	106.70	Inf	-Inf	3	Horizontal	10	2.84
5745MHz	Pass	PK	5.6454G	62.22	68.20	-5.98	3	Horizontal	10	2.84
5745MHz	Pass	PK	5.7438G	118.67	Inf	-Inf	3	Horizontal	10	2.84
5745MHz	Pass	PK	5.9682G	57.69	68.20	-10.51	3	Horizontal	10	2.84
5745MHz	Pass	AV	11.49272G	50.71	54.00	-3.29	3	Vertical	19	1.00
5745MHz	Pass	PK	11.49272G	63.99	74.00	-10.01	3	Vertical	19	1.00
5745MHz	Pass	PK	17.23364G	51.33	68.20	-16.87	3	Vertical	21	2.92
5745MHz	Pass	AV	11.49248G	47.23	54.00	-6.77	3	Horizontal	351	1.09
5745MHz	Pass	PK	11.48776G	59.63	74.00	-14.37	3	Horizontal	351	1.09
5745MHz	Pass	PK	17.23364G	50.32	68.20	-17.88	3	Horizontal	198	2.61
5785MHz	Pass	AV	5.7838G	108.25	Inf	-Inf	3	Vertical	332	1.50
5785MHz	Pass	PK	5.653G	61.04	70.42	-9.38	3	Vertical	332	1.50
5785MHz	Pass	PK	5.7886G	120.28	Inf	-Inf	3	Vertical	332	1.50
5785MHz	Pass	PK	5.9278G	58.41	68.20	-9.79	3	Vertical	332	1.50
5785MHz	Pass	AV	5.7838G	106.41	Inf	-Inf	3	Horizontal	10	1.00
5785MHz	Pass	PK	5.6482G	58.05	68.20	-10.15	3	Horizontal	10	1.00
5785MHz	Pass	PK	5.7838G	120.55	Inf	-Inf	3	Horizontal	10	1.00
5785MHz	Pass	PK	5.923G	61.02	69.68	-8.66	3	Horizontal	10	1.00
5785MHz	Pass	AV	11.57232G	50.91	54.00	-3.09	3	Vertical	267	1.00
5785MHz	Pass	PK	11.57224G	62.95	74.00	-11.05	3	Vertical	267	1.00
5785MHz	Pass	PK	17.35412G	53.55	68.20	-14.65	3	Vertical	314	2.44
5785MHz	Pass	AV	11.57264G	47.85	54.00	-6.15	3	Horizontal	337	2.13
5785MHz	Pass	PK	11.5728G	61.06	74.00	-12.94	3	Horizontal	337	2.13
5785MHz	Pass	PK	17.36036G	51.20	68.20	-17.00	3	Horizontal	357	1.97
5825MHz	Pass	AV	5.825G	107.14	Inf	-Inf	3	Vertical	333	1.50
5825MHz	Pass	PK	5.5514G	56.71	68.20	-11.49	3	Vertical	333	1.50
5825MHz	Pass	PK	5.8214G	119.46	Inf	-Inf	3	Vertical	333	1.50
5825MHz	Pass	PK	5.9258G	64.43	68.20	-3.77	3	Vertical	333	1.50
5825MHz	Pass	AV	5.8262G	106.49	Inf	-Inf	3	Horizontal	10	1.01
5825MHz	Pass	PK	5.6318G	55.98	68.20	-12.22	3	Horizontal	10	1.01
5825MHz	Pass	PK	5.8262G	118.09	Inf	-Inf	3	Horizontal	10	1.01
5825MHz	Pass	PK	5.9246G	62.95	68.50	-5.55	3	Horizontal	10	1.01
5825MHz	Pass	AV	11.64992G	49.90	54.00	-4.10	3	Vertical	267	1.06
5825MHz	Pass	PK	11.65008G	62.06	74.00	-11.94	3	Vertical	267	1.06
5825MHz	Pass	PK	17.47132G	54.37	68.20	-13.83	3	Vertical	312	2.97
5825MHz	Pass	AV	11.65016G	46.68	54.00	-7.32	3	Horizontal	340	2.23
5825MHz	Pass	PK	11.65504G	58.48	74.00	-15.52	3	Horizontal	340	2.23
5825MHz	Pass	PK	17.4938G	50.31	68.20	-17.89	3	Horizontal	108	1.50
802.11be EHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.15G	52.29	54.00	-1.71	3	Vertical	284	2.70
5190MHz	Pass	AV	5.1908G	102.49	Inf	-Inf	3	Vertical	284	2.70

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5190MHz	Pass	PK	5.15G	69.55	74.00	-4.45	3	Vertical	284	2.70
5190MHz	Pass	PK	5.1856G	114.59	Inf	-Inf	3	Vertical	284	2.70
5190MHz	Pass	AV	5.1476G	46.60	54.00	-7.40	3	Horizontal	55	2.50
5190MHz	Pass	AV	5.1924G	98.39	Inf	-Inf	3	Horizontal	55	2.50
5190MHz	Pass	PK	5.1468G	63.70	74.00	-10.30	3	Horizontal	55	2.50
5190MHz	Pass	PK	5.1924G	110.99	Inf	-Inf	3	Horizontal	55	2.50
5190MHz	Pass	AV	15.58968G	37.78	54.00	-16.22	3	Vertical	5	2.85
5190MHz	Pass	PK	10.38216G	50.69	68.20	-17.51	3	Vertical	154	2.27
5190MHz	Pass	PK	15.57824G	50.89	74.00	-23.11	3	Vertical	5	2.85
5190MHz	Pass	AV	15.5868G	37.72	54.00	-16.28	3	Horizontal	74	1.00
5190MHz	Pass	PK	10.37712G	49.06	68.20	-19.14	3	Horizontal	13	2.17
5190MHz	Pass	PK	15.58496G	51.58	74.00	-22.42	3	Horizontal	74	1.00
5230MHz	Pass	AV	5.1484G	52.81	54.00	-1.19	3	Vertical	286	2.68
5230MHz	Pass	AV	5.2308G	105.95	Inf	-Inf	3	Vertical	286	2.68
5230MHz	Pass	PK	5.1456G	69.04	74.00	-4.96	3	Vertical	286	2.68
5230MHz	Pass	PK	5.2312G	118.65	Inf	-Inf	3	Vertical	286	2.68
5230MHz	Pass	AV	5.1496G	51.23	54.00	-2.77	3	Horizontal	53	2.68
5230MHz	Pass	AV	5.232G	102.44	Inf	-Inf	3	Horizontal	53	2.68
5230MHz	Pass	PK	5.1472G	66.09	74.00	-7.91	3	Horizontal	53	2.68
5230MHz	Pass	PK	5.2268G	115.62	Inf	-Inf	3	Horizontal	53	2.68
5230MHz	Pass	AV	15.6844G	38.44	54.00	-15.56	3	Vertical	160	2.38
5230MHz	Pass	PK	10.46416G	51.80	68.20	-16.40	3	Vertical	6	2.23
5230MHz	Pass	PK	15.70464G	51.26	74.00	-22.74	3	Vertical	160	2.38
5230MHz	Pass	AV	15.67144G	37.48	54.00	-16.52	3	Horizontal	172	1.01
5230MHz	Pass	PK	10.47416G	51.46	68.20	-16.74	3	Horizontal	331	2.13
5230MHz	Pass	PK	15.69416G	50.68	74.00	-23.32	3	Horizontal	172	1.01
5755MHz	Pass	AV	5.4562G	42.10	54.00	-11.90	3	Vertical	324	1.28
5755MHz	Pass	AV	5.7562G	103.95	Inf	-Inf	3	Vertical	324	1.28
5755MHz	Pass	PK	5.6458G	65.59	68.20	-2.61	3	Vertical	324	1.28
5755MHz	Pass	PK	5.7562G	115.56	Inf	-Inf	3	Vertical	324	1.28
5755MHz	Pass	PK	6.0238G	57.88	68.20	-10.32	3	Vertical	324	1.28
5755MHz	Pass	AV	5.4598G	42.10	54.00	-11.90	3	Horizontal	182	1.00
5755MHz	Pass	AV	5.7562G	102.62	Inf	-Inf	3	Horizontal	182	1.00
5755MHz	Pass	PK	5.647G	63.53	68.20	-4.67	3	Horizontal	182	1.00
5755MHz	Pass	PK	5.7562G	114.68	Inf	-Inf	3	Horizontal	182	1.00
5755MHz	Pass	PK	5.9782G	58.61	68.20	-9.59	3	Horizontal	182	1.00
5755MHz	Pass	AV	11.50776G	46.99	54.00	-7.01	3	Vertical	19	1.03
5755MHz	Pass	PK	11.50296G	59.92	74.00	-14.08	3	Vertical	19	1.03
5755MHz	Pass	PK	17.2718G	50.69	68.20	-17.51	3	Vertical	229	3.00
5755MHz	Pass	AV	11.50768G	45.31	54.00	-8.69	3	Horizontal	337	2.17
5755MHz	Pass	PK	11.508G	57.88	74.00	-16.12	3	Horizontal	337	2.17
5755MHz	Pass	PK	17.26476G	50.71	68.20	-17.49	3	Horizontal	14	1.50
5795MHz	Pass	AV	5.7938G	105.07	Inf	-Inf	3	Vertical	200	1.02
5795MHz	Pass	PK	5.6378G	63.34	68.20	-4.86	3	Vertical	200	1.02
5795MHz	Pass	PK	5.7938G	117.31	Inf	-Inf	3	Vertical	200	1.02
5795MHz	Pass	PK	5.927G	64.59	68.20	-3.61	3	Vertical	200	1.02
5795MHz	Pass	AV	5.7974G	104.69	Inf	-Inf	3	Horizontal	9	2.97
5795MHz	Pass	PK	5.6366G	64.85	68.20	-3.35	3	Horizontal	9	2.97
5795MHz	Pass	PK	5.7926G	116.50	Inf	-Inf	3	Horizontal	9	2.97
5795MHz	Pass	PK	5.927G	63.95	68.20	-4.25	3	Horizontal	9	2.97
5795MHz	Pass	AV	11.58752G	48.59	54.00	-5.41	3	Vertical	268	1.00
5795MHz	Pass	PK	11.59192G	60.62	74.00	-13.38	3	Vertical	268	1.00
5795MHz	Pass	PK	17.37556G	50.63	68.20	-17.57	3	Vertical	340	1.01
5795MHz	Pass	AV	11.58768G	43.67	54.00	-10.33	3	Horizontal	351	1.06
5795MHz	Pass	PK	11.5872G	56.38	74.00	-17.62	3	Horizontal	351	1.06
5795MHz	Pass	PK	17.40036G	49.94	68.20	-18.26	3	Horizontal	158	1.50
802.11be EHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.15G	52.08	54.00	-1.92	3	Vertical	284	2.79
5210MHz	Pass	AV	5.211G	97.62	Inf	-Inf	3	Vertical	284	2.79
5210MHz	Pass	AV	5.393G	44.50	54.00	-9.50	3	Vertical	284	2.79
5210MHz	Pass	PK	5.15G	64.65	74.00	-9.35	3	Vertical	284	2.79
5210MHz	Pass	PK	5.226G	109.77	Inf	-Inf	3	Vertical	284	2.79

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5210MHz	Pass	PK	5.458G	57.56	74.00	-16.44	3	Vertical	284	2.79
5210MHz	Pass	AV	5.142G	47.18	54.00	-6.82	3	Horizontal	52	2.54
5210MHz	Pass	AV	5.212G	93.55	Inf	-Inf	3	Horizontal	52	2.54
5210MHz	Pass	AV	5.428G	44.34	54.00	-9.66	3	Horizontal	52	2.54
5210MHz	Pass	PK	5.128G	59.63	74.00	-14.37	3	Horizontal	52	2.54
5210MHz	Pass	PK	5.212G	105.75	Inf	-Inf	3	Horizontal	52	2.54
5210MHz	Pass	PK	5.388G	57.55	74.00	-16.45	3	Horizontal	52	2.54
5210MHz	Pass	AV	15.6272G	38.54	54.00	-15.46	3	Vertical	56	1.50
5210MHz	Pass	PK	10.42432G	48.94	68.20	-19.26	3	Vertical	291	1.19
5210MHz	Pass	PK	15.62168G	50.76	74.00	-23.24	3	Vertical	56	1.50
5210MHz	Pass	AV	15.61952G	38.38	54.00	-15.62	3	Horizontal	332	1.50
5210MHz	Pass	PK	10.43544G	49.35	68.20	-18.85	3	Horizontal	16	1.52
5210MHz	Pass	PK	15.6224G	51.72	74.00	-22.28	3	Horizontal	332	1.50
5775MHz	Pass	AV	5.7762G	100.55	Inf	-Inf	3	Vertical	331	2.95
5775MHz	Pass	PK	5.6502G	66.15	68.35	-2.20	3	Vertical	331	2.95
5775MHz	Pass	PK	5.7702G	112.48	Inf	-Inf	3	Vertical	331	2.95
5775MHz	Pass	PK	5.925G	61.27	68.20	-6.93	3	Vertical	331	2.95
5775MHz	Pass	AV	5.7738G	98.83	Inf	-Inf	3	Horizontal	10	2.60
5775MHz	Pass	PK	5.6334G	65.56	68.20	-2.64	3	Horizontal	10	2.60
5775MHz	Pass	PK	5.7738G	110.40	Inf	-Inf	3	Horizontal	10	2.60
5775MHz	Pass	PK	5.9334G	60.85	68.20	-7.35	3	Horizontal	10	2.60
5775MHz	Pass	AV	11.53768G	42.66	54.00	-11.34	3	Vertical	19	1.15
5775MHz	Pass	PK	11.5428G	53.70	74.00	-20.30	3	Vertical	19	1.15
5775MHz	Pass	PK	17.32868G	50.57	68.20	-17.63	3	Vertical	230	1.50
5775MHz	Pass	AV	11.54016G	41.61	54.00	-12.39	3	Horizontal	338	2.31
5775MHz	Pass	PK	11.53512G	54.25	74.00	-19.75	3	Horizontal	338	2.31
5775MHz	Pass	PK	17.33524G	50.94	68.20	-17.26	3	Horizontal	48	1.50

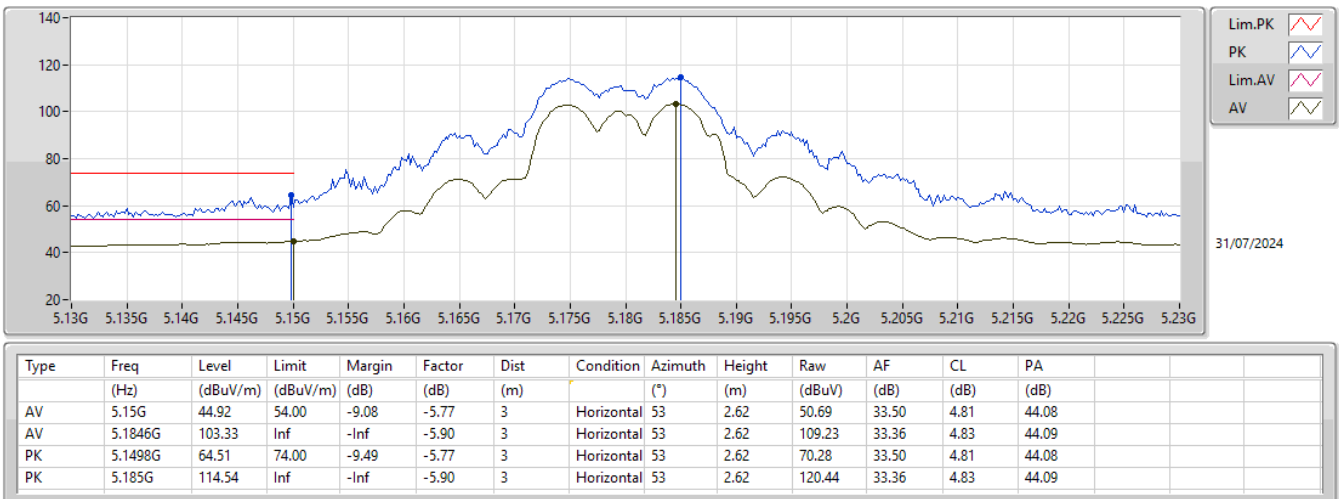
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_3TX

5180MHz_TX



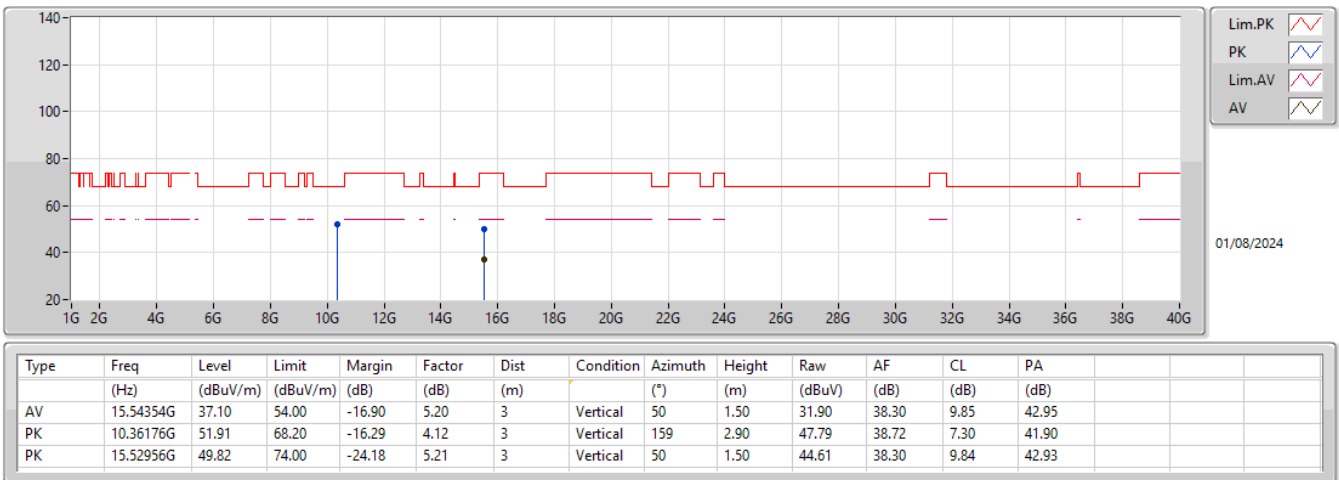
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5180MHz_TX



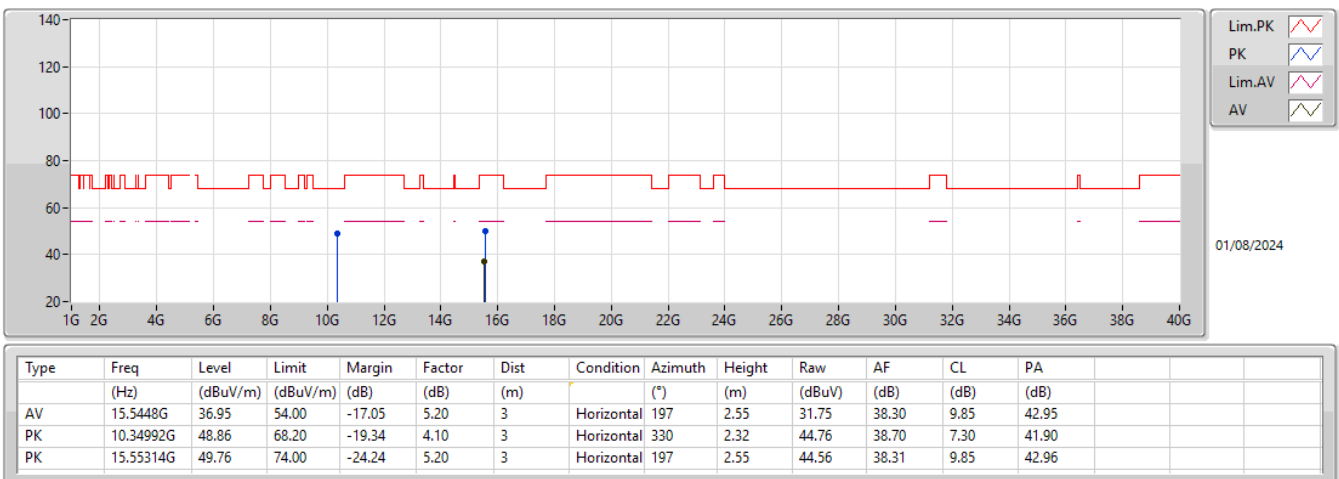
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5180MHz_TX



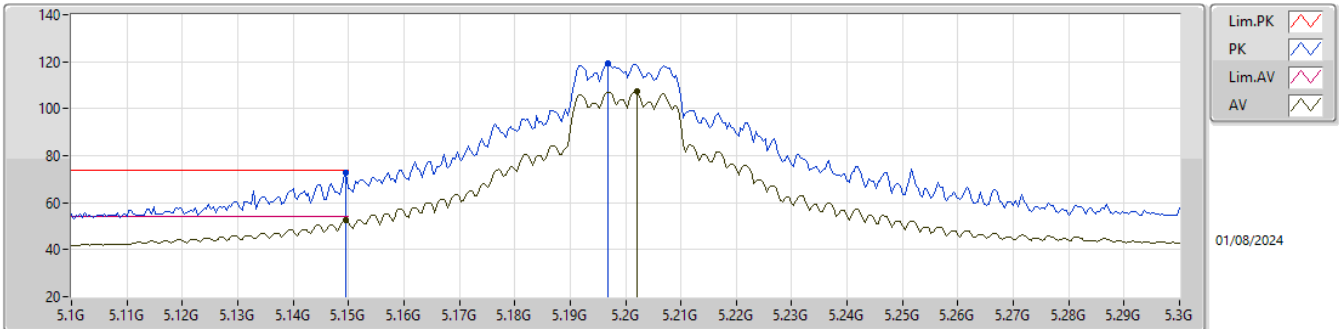
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5180MHz_TX



5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_3TX

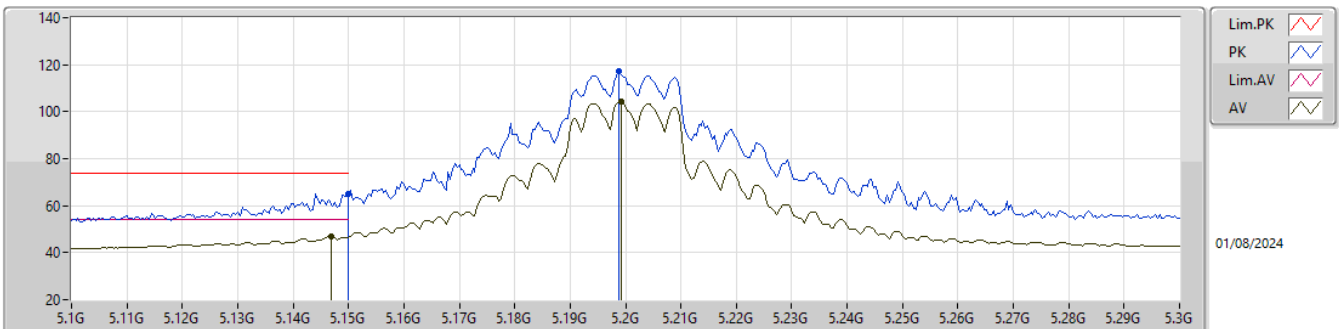
5200MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1496G	52.44	54.00	-1.56	-5.77	3	Vertical	280	2.58	58.21	33.50	4.81	44.08
AV	5.202G	107.28	Inf	-Inf	-5.95	3	Vertical	280	2.58	113.23	33.30	4.84	44.09
PK	5.1496G	72.54	74.00	-1.46	-5.77	3	Vertical	280	2.58	78.31	33.50	4.81	44.08
PK	5.1968G	119.29	Inf	-Inf	-5.94	3	Vertical	280	2.58	125.23	33.31	4.84	44.09

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_3TX

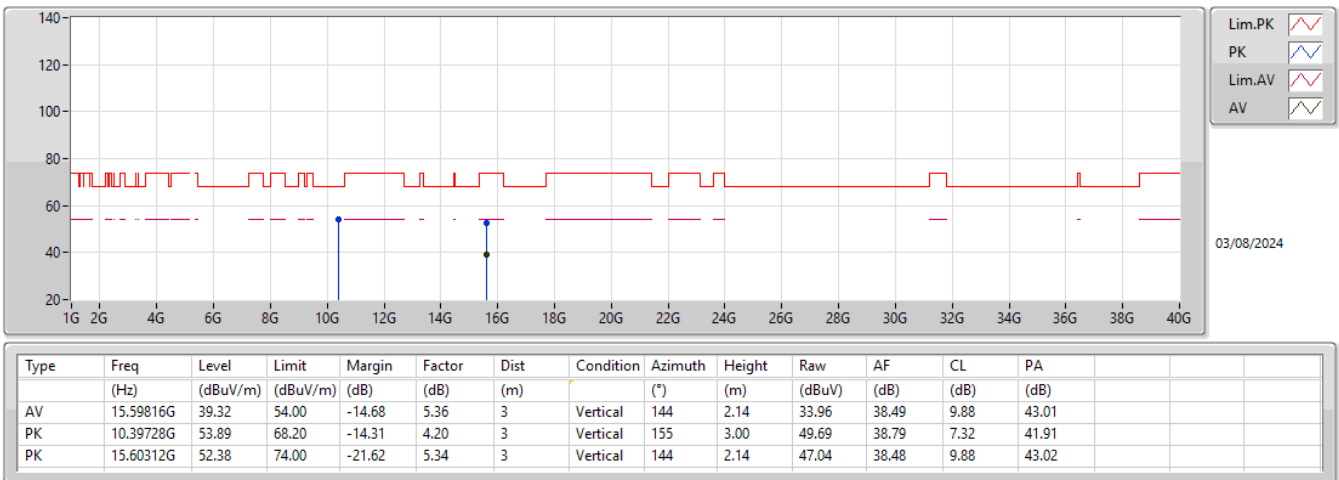
5200MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1468G	47.06	54.00	-6.94	-5.79	3	Horizontal	56	1.00	52.85	33.48	4.81	44.08
AV	5.1992G	104.29	Inf	-Inf	-5.95	3	Horizontal	56	1.00	110.24	33.30	4.84	44.09
PK	5.15G	65.16	74.00	-8.84	-5.77	3	Horizontal	56	1.00	70.93	33.50	4.81	44.08
PK	5.1988G	117.15	Inf	-Inf	-5.95	3	Horizontal	56	1.00	123.10	33.30	4.84	44.09

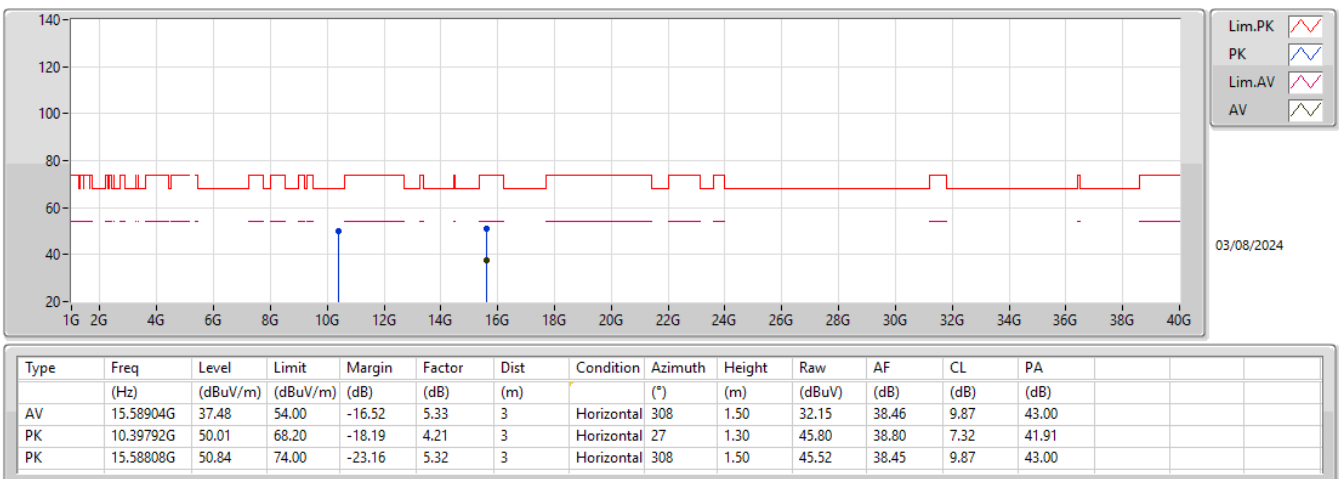
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_3TX

5200MHz_TX



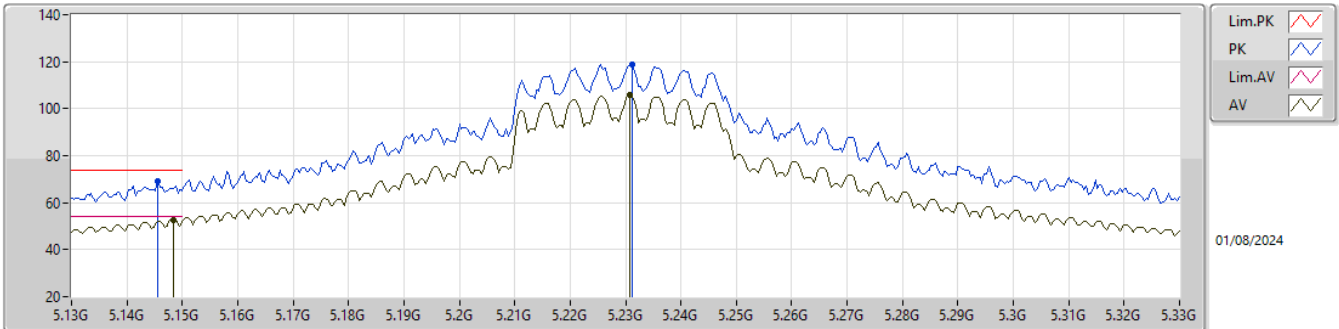
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_3TX

5200MHz_TX



5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_3TX

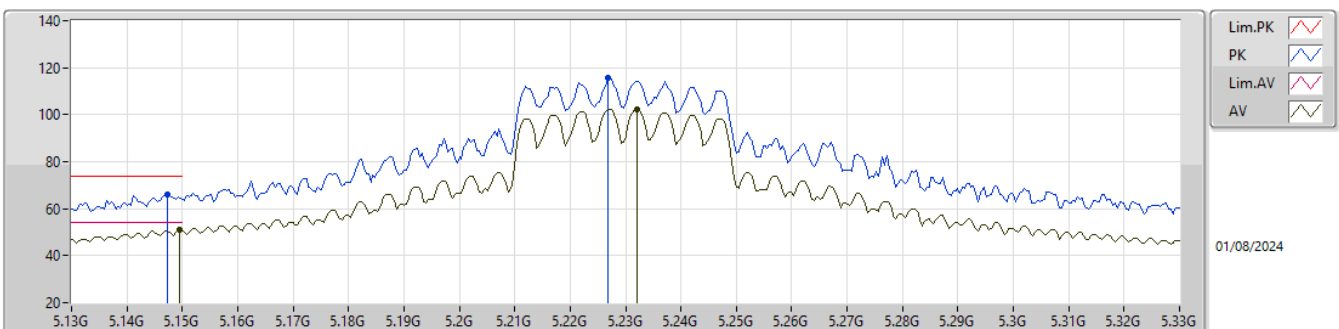
5230MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1484G	52.81	54.00	-1.19	-5.78	3	Vertical	286	2.68	58.59	33.49	4.81	44.08
AV	5.2308G	105.95	Inf	-Inf	-6.01	3	Vertical	286	2.68	111.96	33.24	4.85	44.10
PK	5.1456G	69.04	74.00	-4.96	-5.80	3	Vertical	286	2.68	74.84	33.47	4.81	44.08
PK	5.2312G	118.65	Inf	-Inf	-6.01	3	Vertical	286	2.68	124.66	33.24	4.85	44.10

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_3TX

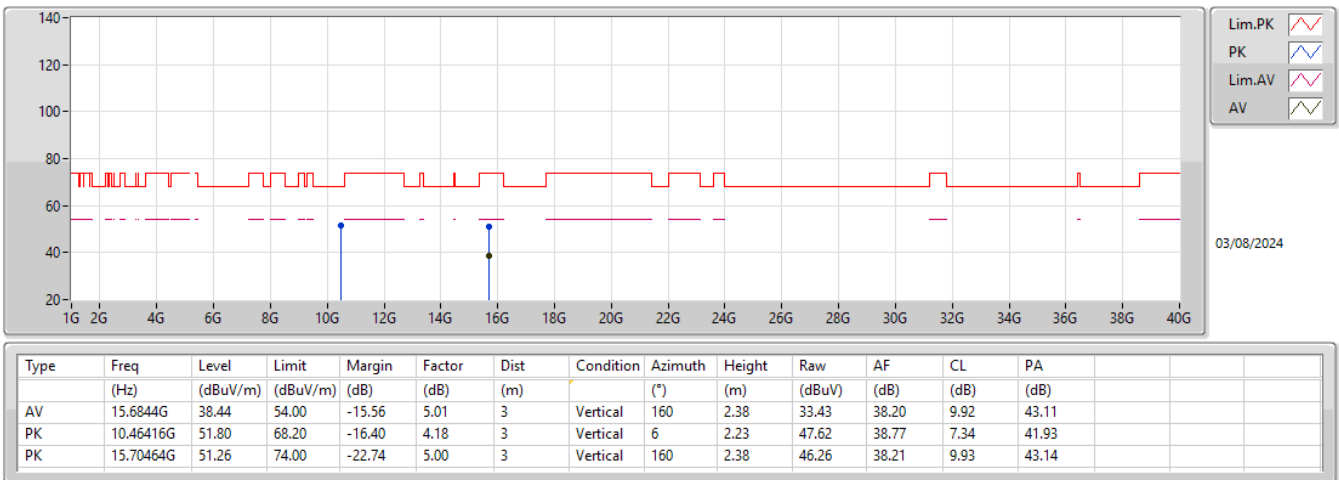
5230MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1496G	51.23	54.00	-2.77	-5.77	3	Horizontal	53	2.68	57.00	33.50	4.81	44.08
AV	5.232G	102.44	Inf	-Inf	-6.01	3	Horizontal	53	2.68	108.45	33.24	4.85	44.10
PK	5.1472G	66.09	74.00	-7.91	-5.79	3	Horizontal	53	2.68	71.88	33.48	4.81	44.08
PK	5.2268G	115.62	Inf	-Inf	-6.00	3	Horizontal	53	2.68	121.62	33.25	4.85	44.10

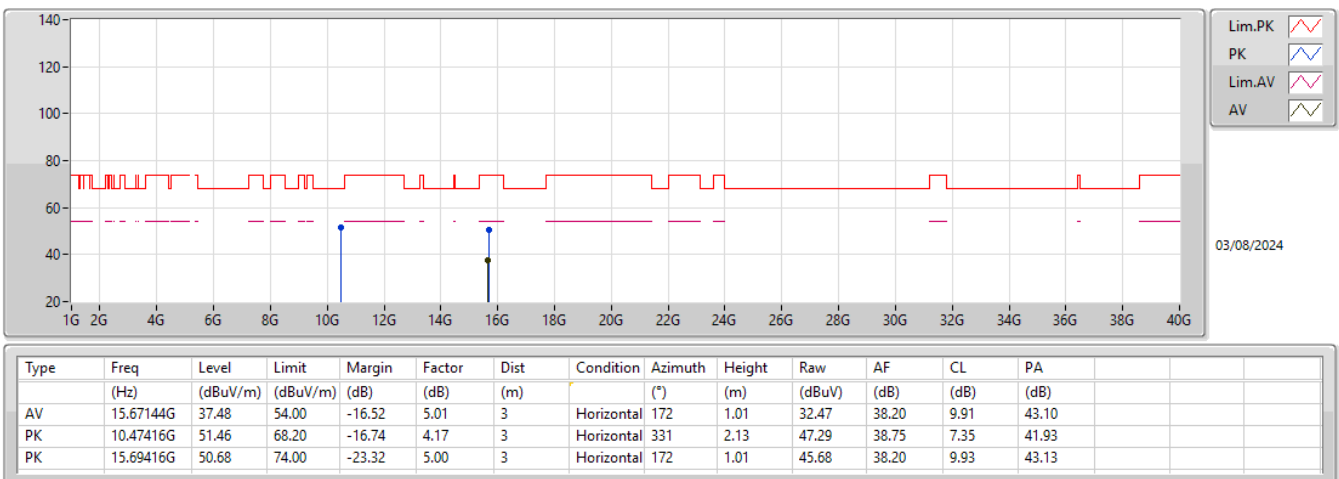
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5230MHz_TX



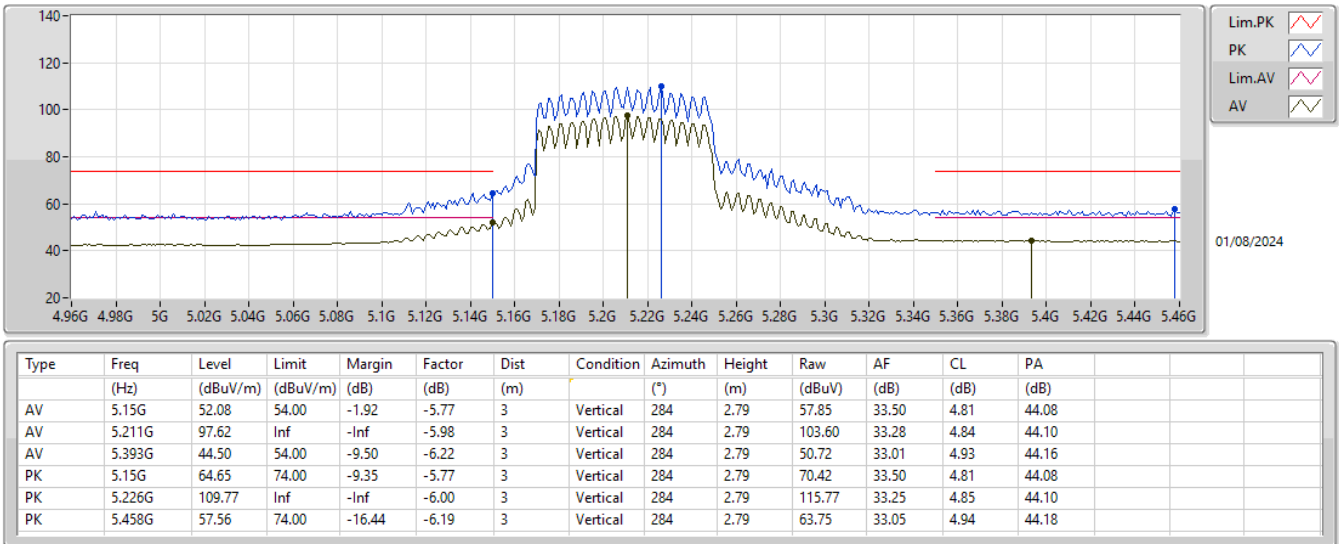
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5230MHz_TX



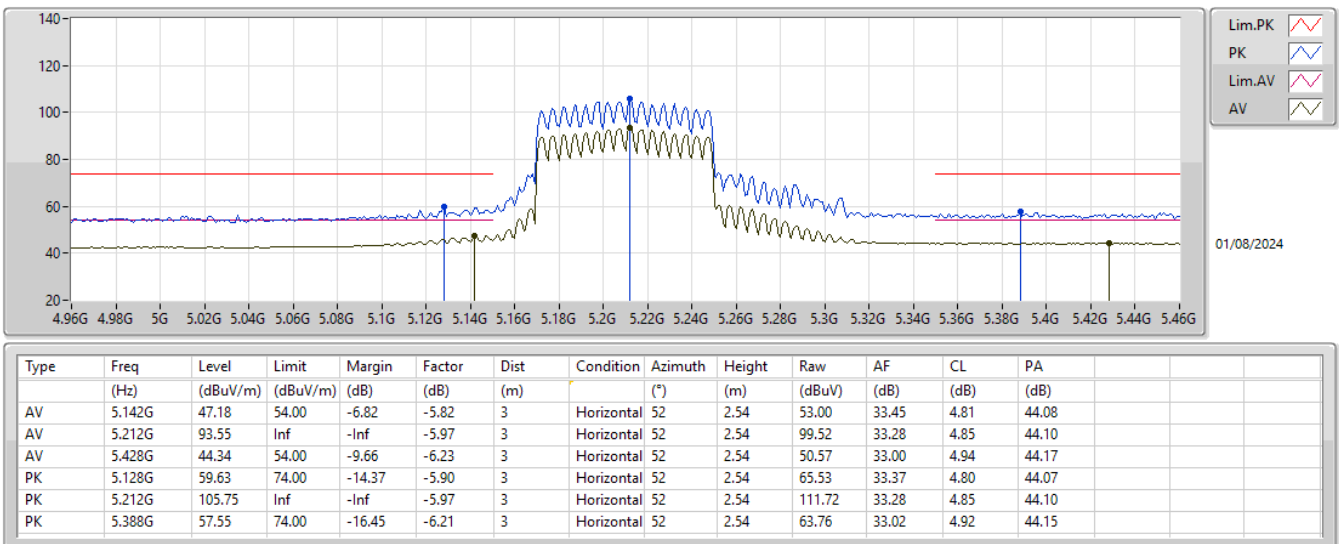
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5210MHz_TX



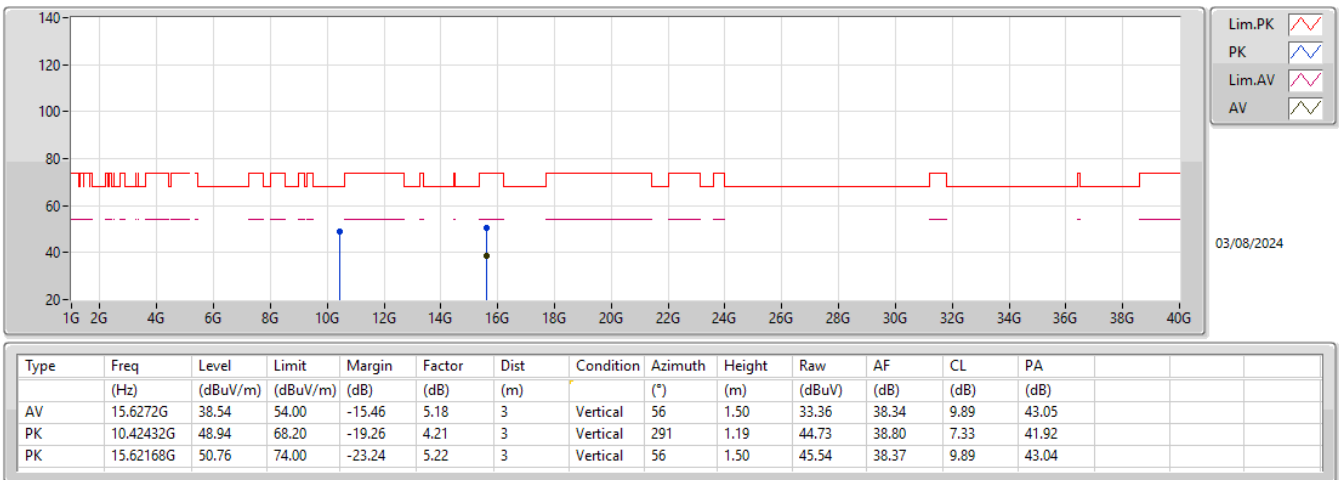
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5210MHz_TX



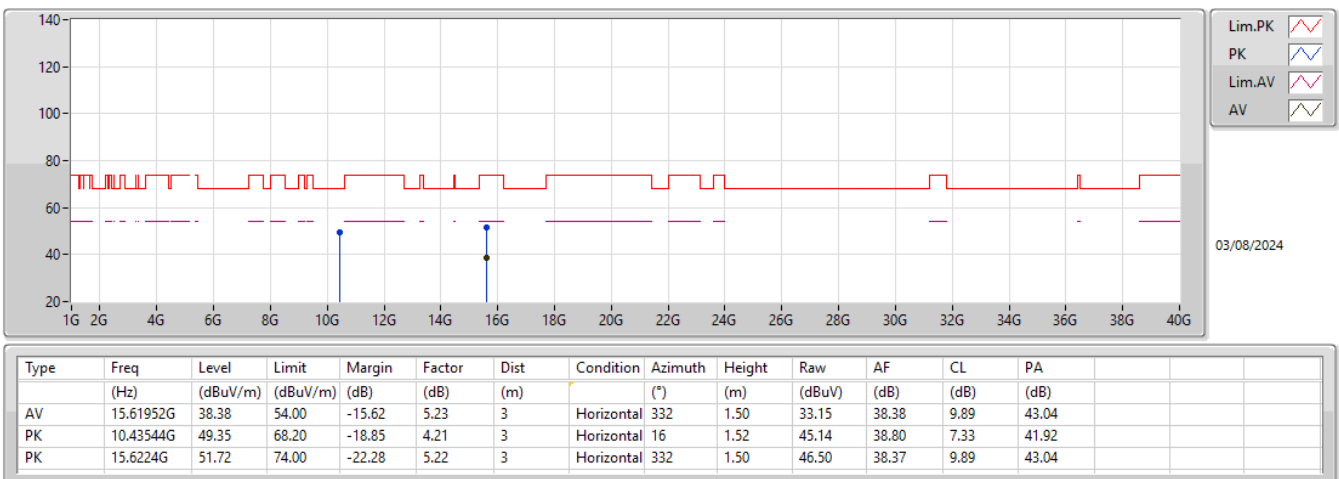
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5210MHz_TX



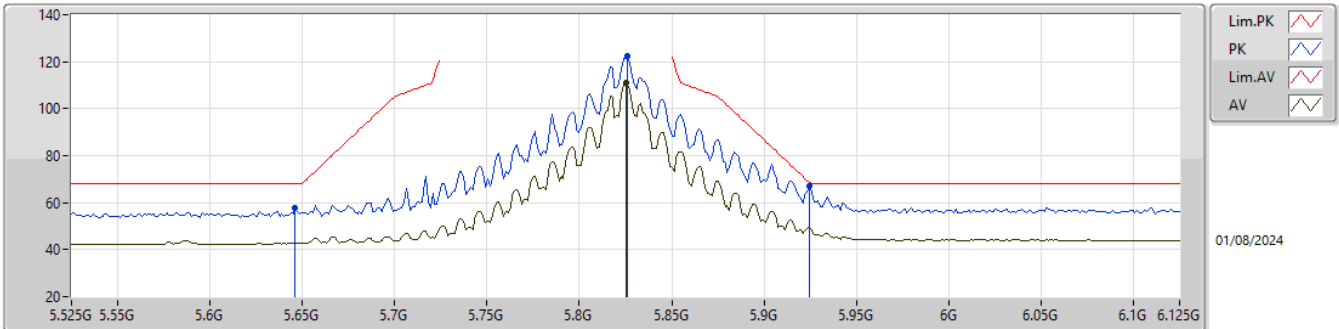
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5210MHz_TX



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_3TX

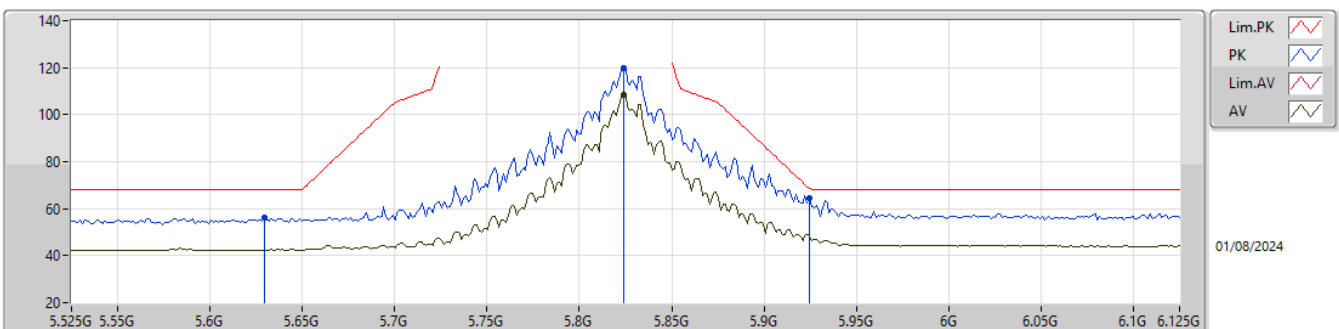
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)				
AV	5.825G	110.87	Inf	-Inf	-4.84	3	Vertical	194	2.33	115.71	34.25	5.17	44.26				
PK	5.6462G	57.55	68.20	-10.65	-5.81	3	Vertical	194	2.33	63.36	33.38	5.03	44.22				
PK	5.8262G	122.32	Inf	-Inf	-4.84	3	Vertical	194	2.33	127.16	34.25	5.17	44.26				
PK	5.9246G	67.09	68.50	-1.41	-4.72	3	Vertical	194	2.33	71.81	34.45	5.11	44.28				

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_3TX

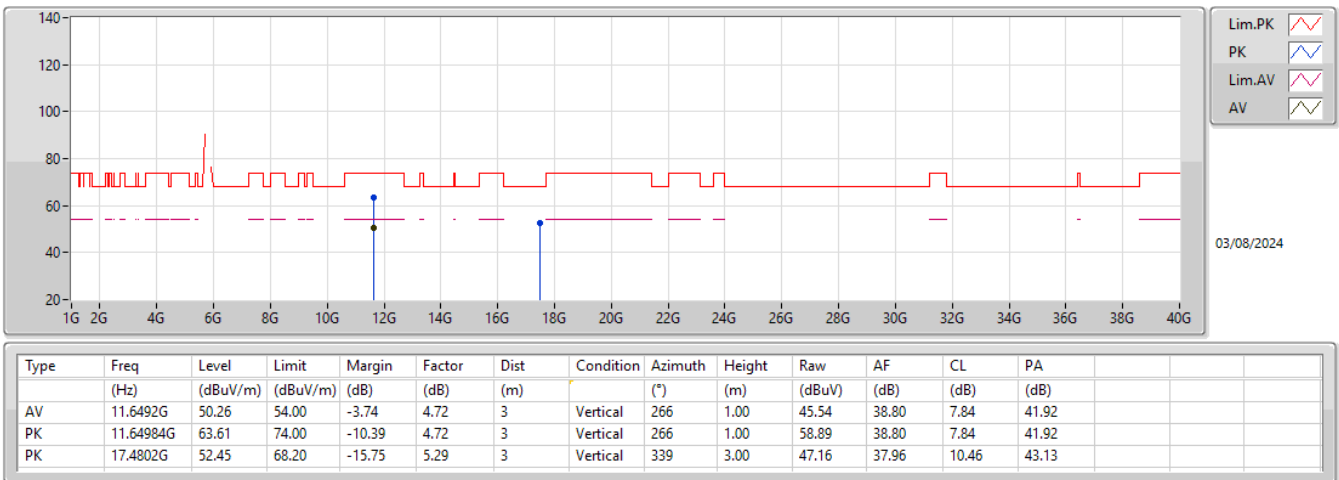
5825MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)			
AV	5.8238G	108.31	Inf	-Inf	-4.84	3	Horizontal	10	1.00	113.15	34.25	5.17	44.26			
PK	5.6294G	56.08	68.20	-12.12	-5.89	3	Horizontal	10	1.00	61.97	33.32	5.01	44.22			
PK	5.8238G	119.58	Inf	-Inf	-4.84	3	Horizontal	10	1.00	124.42	34.25	5.17	44.26			
PK	5.9246G	64.52	68.50	-3.98	-4.72	3	Horizontal	10	1.00	69.24	34.45	5.11	44.28			

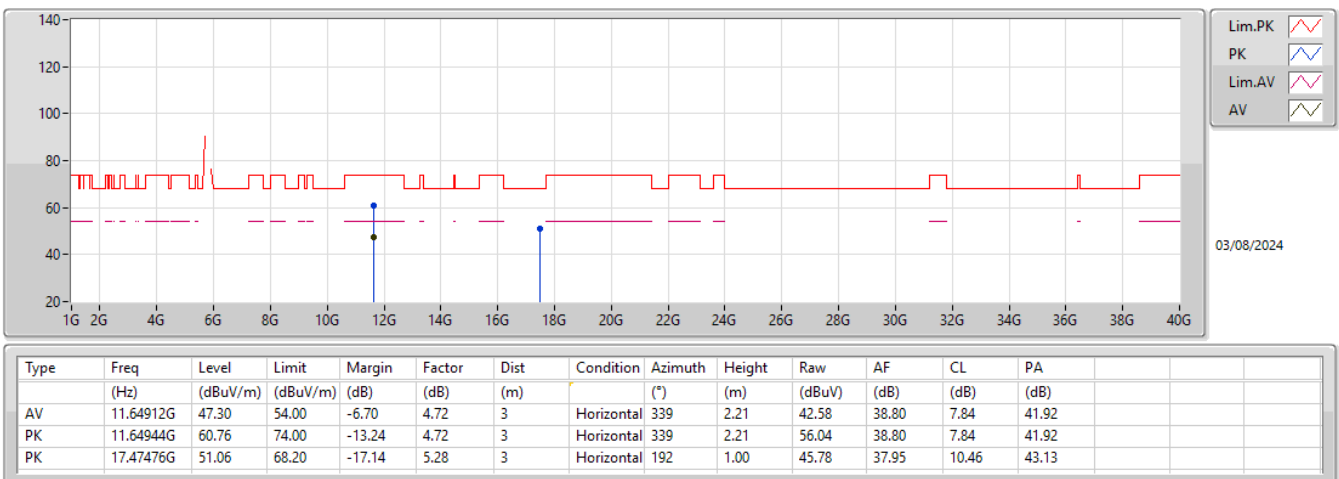
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_3TX

5825MHz_TX



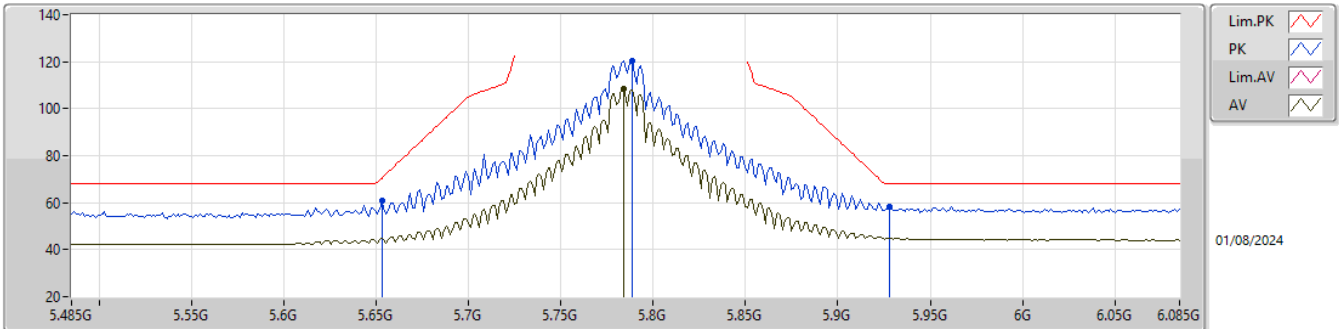
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_3TX

5825MHz_TX



5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_3TX

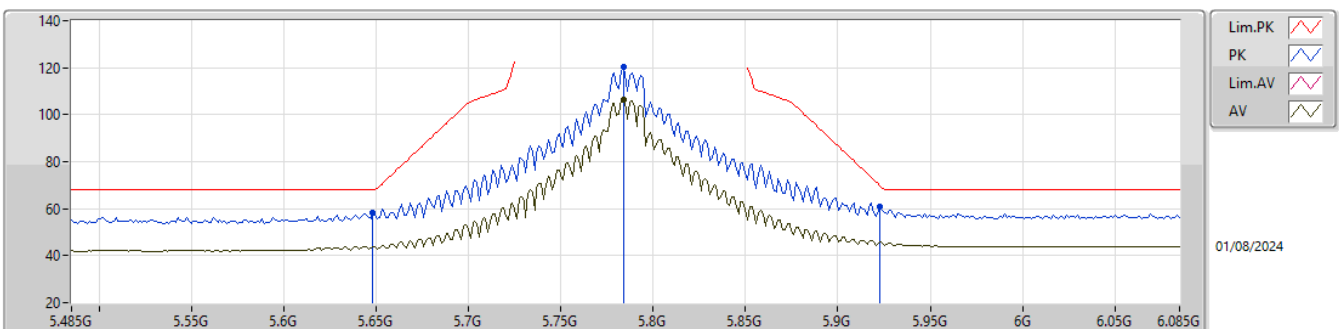
5785MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7838G	108.25	Inf	-Inf	-4.95	3	Vertical	332	1.50	113.20	34.14	5.16	44.25
PK	5.653G	61.04	70.42	-9.38	-5.77	3	Vertical	332	1.50	66.81	33.42	5.03	44.22
PK	5.7886G	120.28	Inf	-Inf	-4.93	3	Vertical	332	1.50	125.21	34.15	5.17	44.25
PK	5.9278G	58.41	68.20	-9.79	-4.73	3	Vertical	332	1.50	63.14	34.44	5.11	44.28

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_3TX

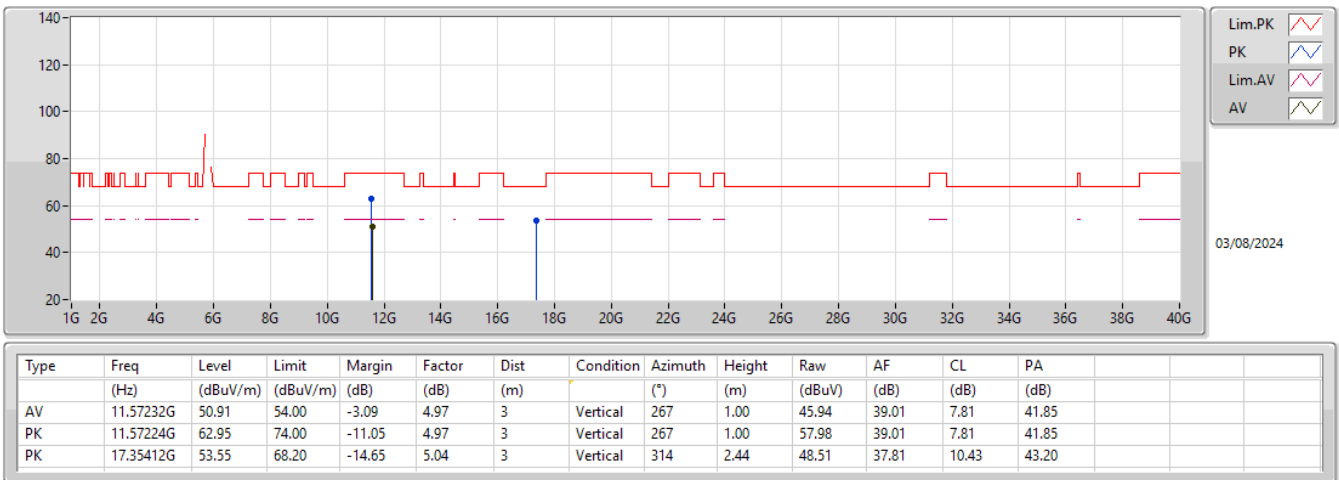
5785MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7838G	106.41	Inf	-Inf	-4.95	3	Horizontal	10	1.00	111.36	34.14	5.16	44.25
PK	5.6482G	58.05	68.20	-10.15	-5.80	3	Horizontal	10	1.00	63.85	33.39	5.03	44.22
PK	5.7838G	120.55	Inf	-Inf	-4.95	3	Horizontal	10	1.00	125.50	34.14	5.16	44.25
PK	5.923G	61.02	69.68	-8.66	-4.72	3	Horizontal	10	1.00	65.74	34.45	5.11	44.28

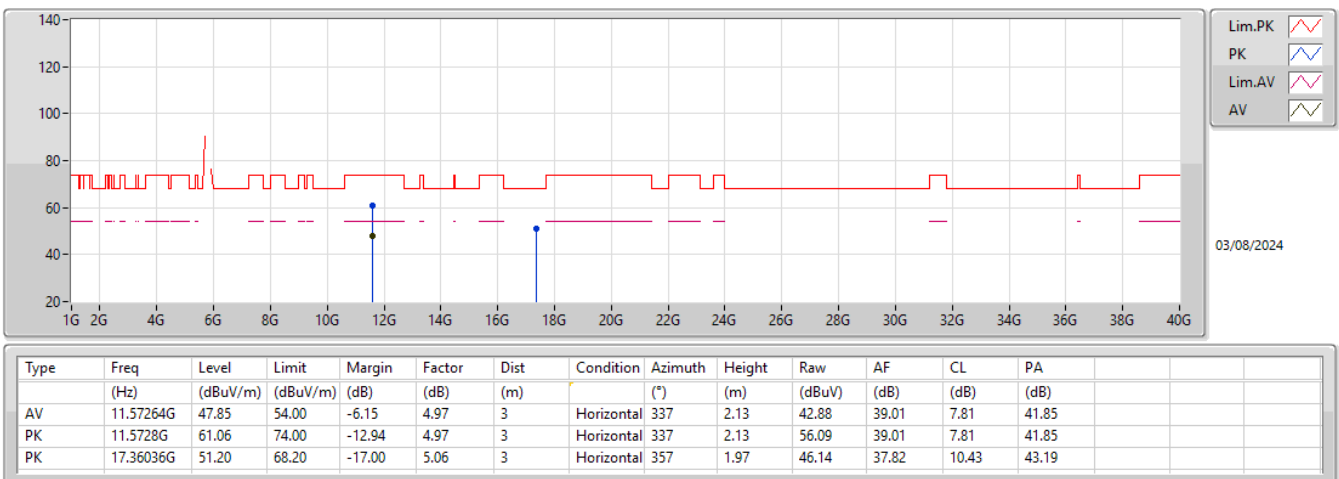
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5785MHz_TX



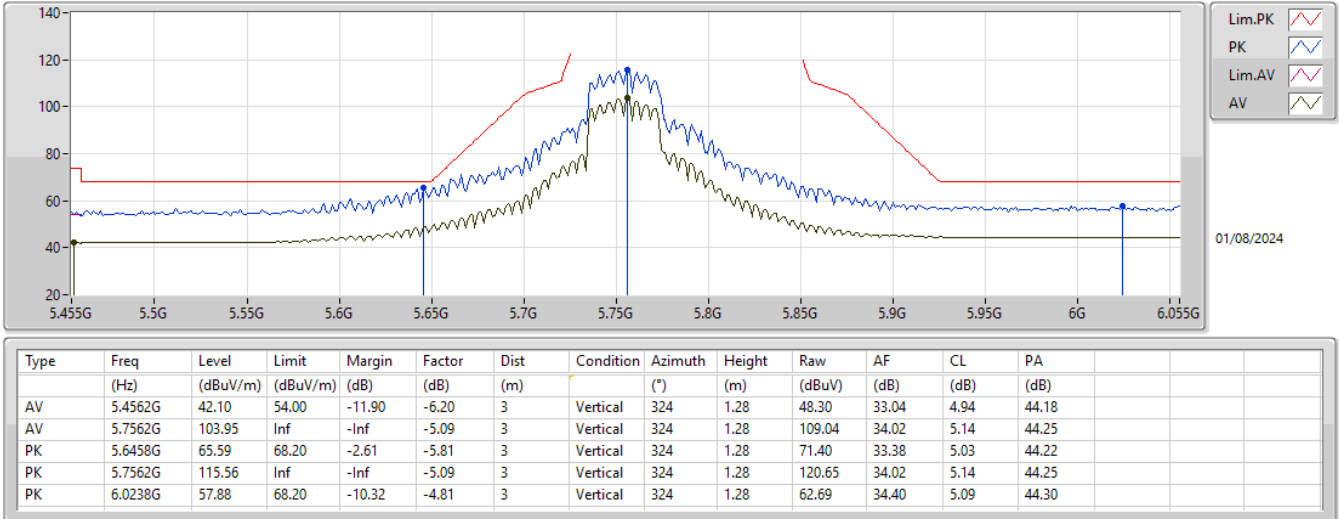
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5785MHz_TX



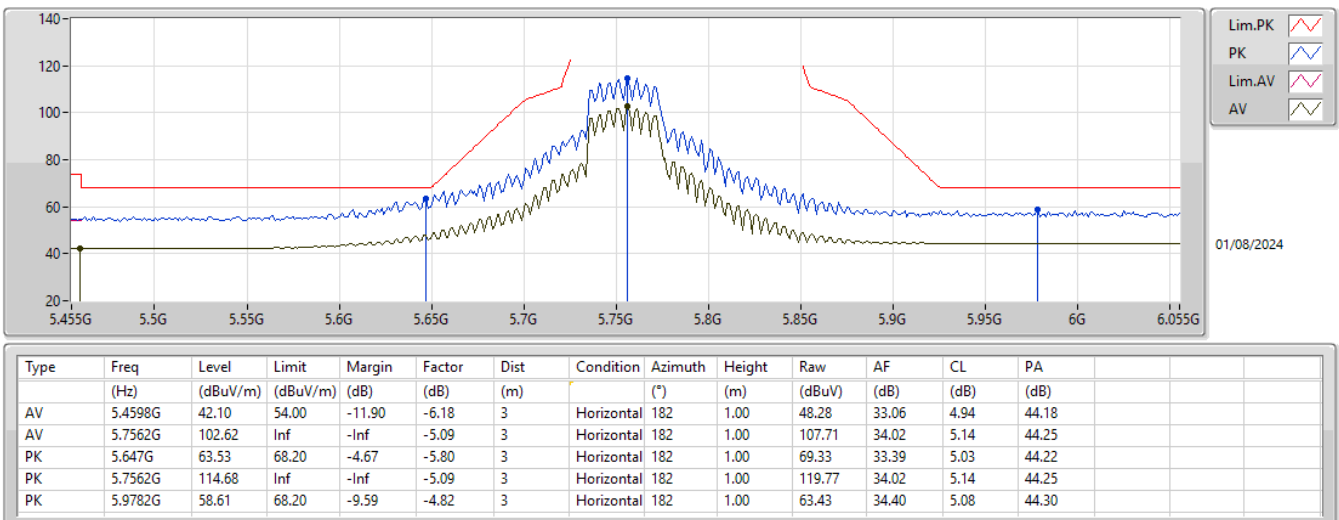
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5755MHz_TX



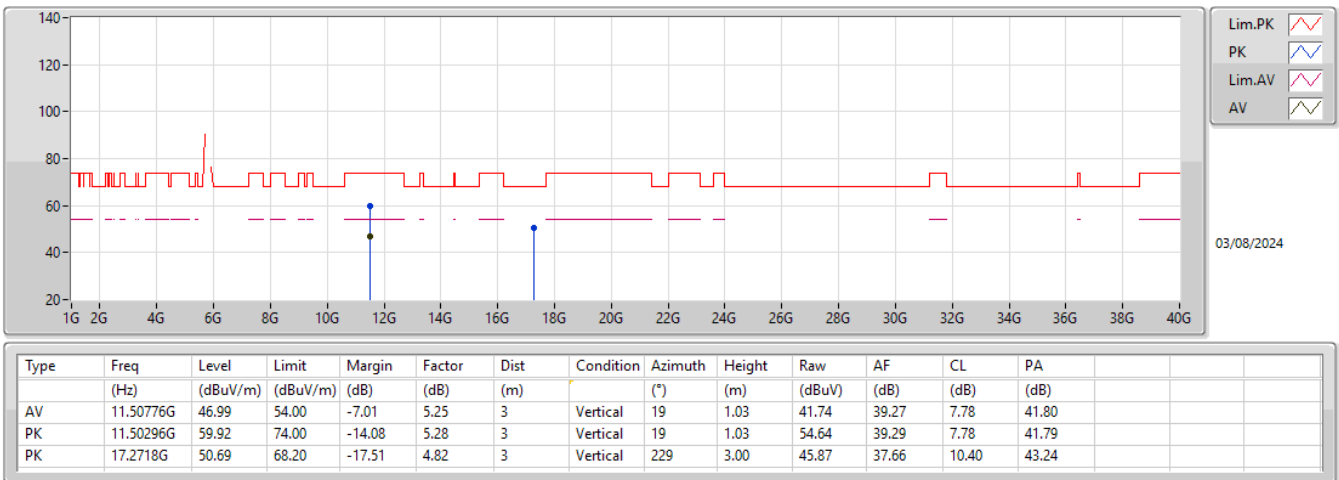
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5755MHz_TX



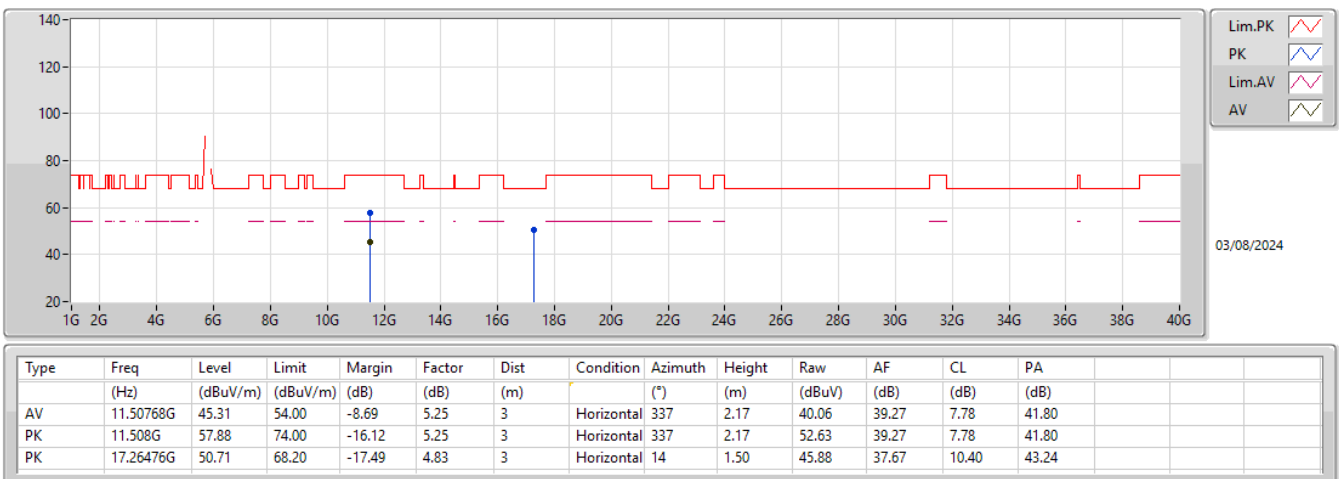
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5755MHz_TX



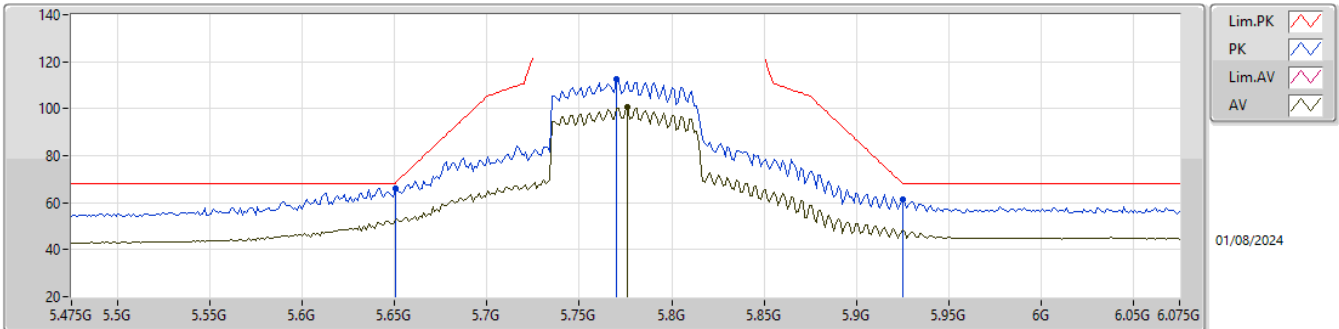
5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_3TX

5755MHz_TX



5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_3TX

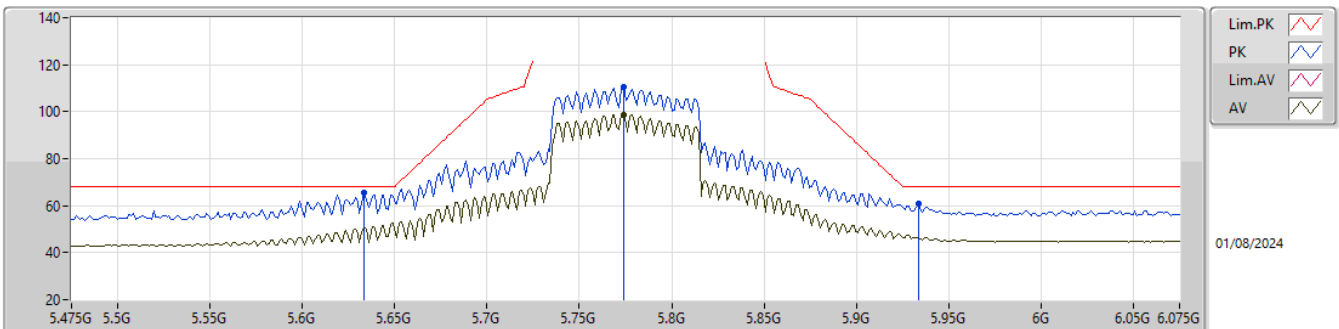
5775MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7762G	100.55	Inf	-Inf	-4.99	3	Vertical	331	2.95	105.54	34.10	5.16	44.25
PK	5.6502G	66.15	68.35	-2.20	-5.79	3	Vertical	331	2.95	71.94	33.40	5.03	44.22
PK	5.7702G	112.48	Inf	-Inf	-5.02	3	Vertical	331	2.95	117.50	34.08	5.15	44.25
PK	5.925G	61.27	68.20	-6.93	-4.72	3	Vertical	331	2.95	65.99	34.45	5.11	44.28

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_3TX

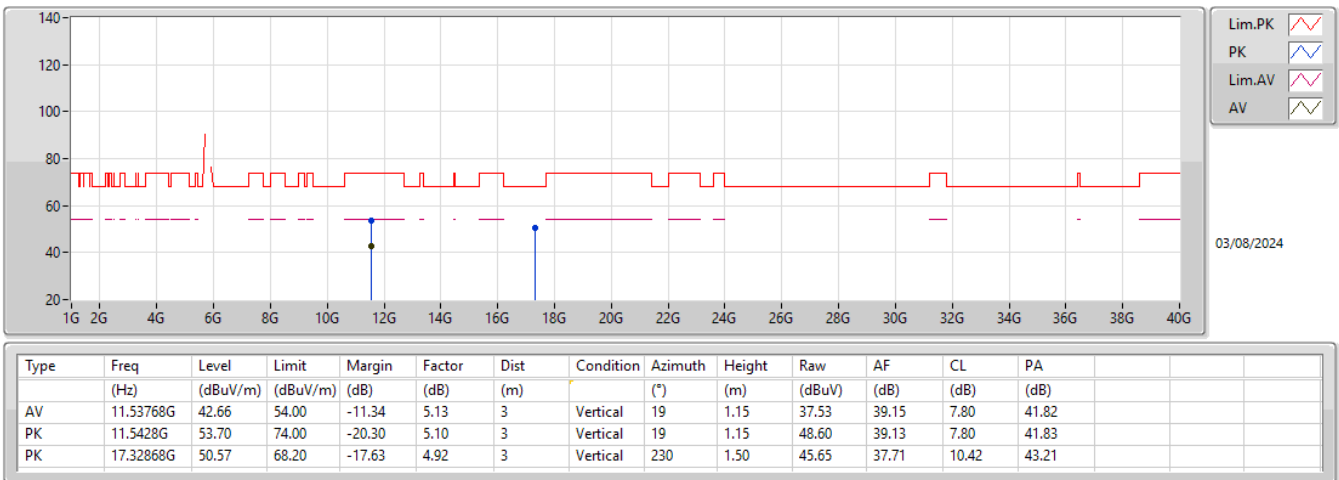
5775MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7738G	98.83	Inf	-Inf	-5.00	3	Horizontal	10	2.60	103.83	34.10	5.15	44.25
PK	5.6334G	65.56	68.20	-2.64	-5.88	3	Horizontal	10	2.60	71.44	33.33	5.01	44.22
PK	5.7738G	110.40	Inf	-Inf	-5.00	3	Horizontal	10	2.60	115.40	34.10	5.15	44.25
PK	5.9334G	60.85	68.20	-7.35	-4.75	3	Horizontal	10	2.60	65.60	34.43	5.11	44.29

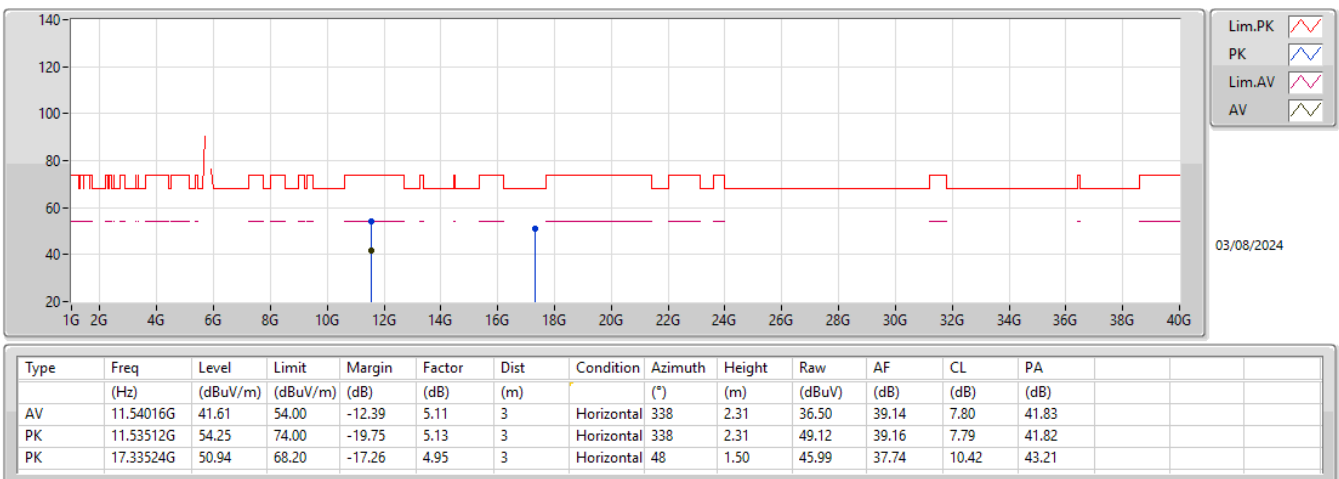
5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_3TX

5775MHz_TX



5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_3TX

5775MHz_TX





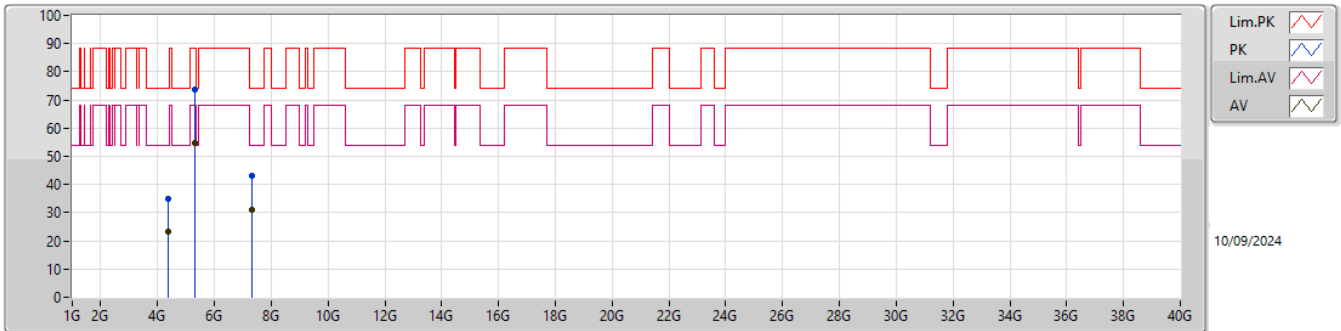
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	5.30659G	54.81	68.20	-13.39	Vertical

Result

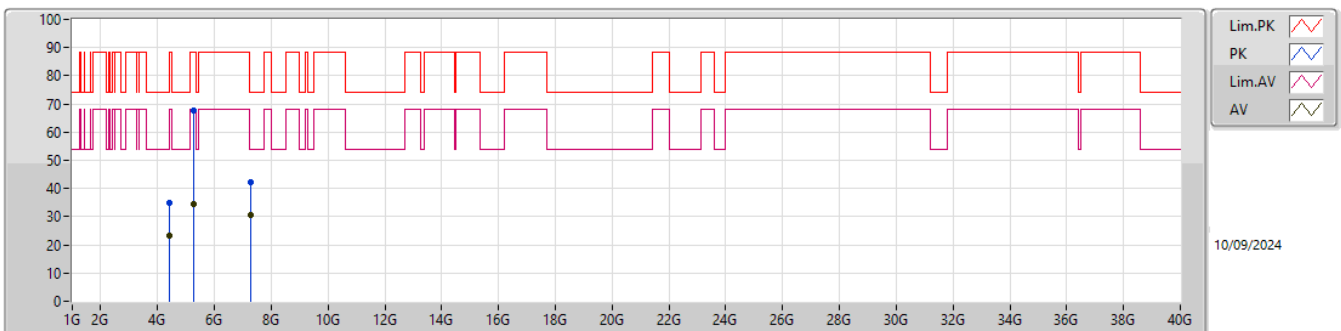
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	4.38141G	23.09	54.00	-30.91	3	Vertical	117	1.78
Mode 1	Pass	AV	5.30659G	54.81	68.20	-13.39	3	Vertical	119	1.74
Mode 1	Pass	AV	7.31782G	31.14	54.00	-22.86	3	Vertical	326	2.88
Mode 1	Pass	PK	4.38141G	35.12	74.00	-38.88	3	Vertical	117	1.78
Mode 1	Pass	PK	5.30659G	73.73	88.20	-14.47	3	Vertical	119	1.74
Mode 1	Pass	PK	7.31782G	43.10	74.00	-30.90	3	Vertical	326	2.88
Mode 1	Pass	AV	4.43447G	23.32	68.20	-44.88	3	Horizontal	99	2.27
Mode 1	Pass	AV	5.28231G	34.53	68.20	-33.67	3	Horizontal	360	1.50
Mode 1	Pass	AV	7.29072G	30.76	54.00	-23.24	3	Horizontal	81	1.45
Mode 1	Pass	PK	4.43447G	34.92	88.20	-53.28	3	Horizontal	99	2.27
Mode 1	Pass	PK	5.28231G	67.59	88.20	-20.61	3	Horizontal	360	1.50
Mode 1	Pass	PK	7.29072G	42.26	74.00	-31.74	3	Horizontal	81	1.45

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.38141G	23.09	54.00	-30.91	5.08	3	Vertical	117	1.78	-	18.01	31.44	7.55	33.91
AV	5.30659G	54.81	68.20	-13.39	6.90	3	Vertical	119	1.74	-	47.91	32.71	8.18	33.99
AV	7.31782G	31.14	54.00	-22.86	11.91	3	Vertical	326	2.88	-	19.23	36.66	9.54	34.29
PK	4.38141G	35.12	74.00	-38.88	5.08	3	Vertical	117	1.78	-	30.04	31.44	7.55	33.91
PK	5.30659G	73.73	88.20	-14.47	6.90	3	Vertical	119	1.74	-	66.83	32.71	8.18	33.99
PK	7.31782G	43.10	74.00	-30.90	11.91	3	Vertical	326	2.88	-	31.19	36.66	9.54	34.29

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.43447G	23.32	68.20	-44.88	5.01	3	Horizontal	99	2.27	-	18.31	31.33	7.60	33.92
AV	5.28231G	34.53	68.20	-33.67	6.92	3	Horizontal	360	1.50	-	27.61	32.74	8.17	33.99
AV	7.29072G	30.76	54.00	-23.24	11.94	3	Horizontal	81	1.45	-	18.82	36.70	9.55	34.31
PK	4.43447G	34.92	88.20	-53.28	5.01	3	Horizontal	99	2.27	-	29.91	31.33	7.60	33.92
PK	5.28231G	67.59	88.20	-20.61	6.92	3	Horizontal	360	1.50	-	60.67	32.74	8.17	33.99
PK	7.29072G	42.26	74.00	-31.74	11.94	3	Horizontal	81	1.45	-	30.32	36.70	9.55	34.31