

FCC Radio Test Report

FCC ID : HDC-17600081
Equipment : WiFi 7 2.5G AP
Brand Name : **Adtran**
Model Name : SDG-9732iYYYYYYY(Y can be 0-9, a-z, A-Z, blank, "+" or "-" or "#")
Part Number : 17600081FYYYYYYYY(Y can be 0-9, a-z, A-Z, blank, "+" or "-" or "#")
Applicant : Adtran
901 Explorer Boulevard, Huntsville, Alabama, United States, 35806-2807
Manufacturer : XAVi Technologies Corporation
22F., No.69, Sec. 2, Guangfu Rd., Sanchong Dist., New Taipei City 241, Taiwan (R.O.C.)
Standard : 47 CFR FCC Part 15.407

The product was received on Nov. 04, 2024, and testing was started from Nov. 21, 2024 and completed on Dec. 03, 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: Ryan Hsiao

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20),	5180-5240	36-48 [4]
5725-5850	ax (HEW20), be (EHT20)	5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40),	5190-5230	38-46 [2]
5725-5850	ax (HEW40), be (EHT40)	5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80),	5210	42 [1]
5725-5850	be (EHT80)	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 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- EHT20, EHT40, EHT80 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/HEW20/HEW40/HEW80 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	GALTRONICS	02102481-08068U1	Dipole	I-Pex	2.4G+5G	Radio 1
2	GALTRONICS	02102481-08068U1	Dipole	I-Pex	2.4G+5G	Radio 1
3	GALTRONICS	02102481-08068U1	Dipole	I-Pex	5G	Radio 1
4	GALTRONICS	02102481-08068U1	Dipole	I-Pex	6G	Radio 2
5	GALTRONICS	02102481-08068U1	Dipole	I-Pex	6G	Radio 2
6	GALTRONICS	02102481-08068U1	Dipole	I-Pex	6G	Radio 2

Ant.	Port	Gain (dBi)								
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
1	1	4.19	5.20	5.35	5.68	3.65	-	-	-	-
2	2	3.97	5.66	5.98	6.25	5.60	-	-	-	-
3	3	-	4.36	4.52	4.28	3.53	-	-	-	-
4	1	-	-	-	-	-	4.66	4.96	4.11	3.69
5	2	-	-	-	-	-	4.46	4.62	4.32	3.88
6	3	-	-	-	-	-	3.44	3.97	3.84	4.56

Composite Gain (dBi)										
	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	
DG [1SS]	4.96	5.91	6.05	6.74	5.75	6.25	7.38	7.11	7.05	
DG [2SS]	4.19	5.66	5.98	6.25	5.6	4.66	4.96	4.32	4.56	
DG [3SS]	-	5.66	5.98	6.25	5.6	4.66	4.96	4.32	4.56	

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 AP4O2418.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) < **Radio 1** >

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

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (3TX/3RX) < **Radio 1** >

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

For 6GHz function:

For IEEE 802.11 ax/be mode (3TX/3RX) < **Radio 2** >

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



1.1.3 EUT Information

Operational Condition			
EUT Power Type	From PoE		
EUT Function	☐ Outdoor AP	☒ Indoor AP	
	☐ Fixed P2P AP	☐ Client	
Beamforming Function	☒ With beamforming	☐ Without beamforming	
TPC Function	☒ With TPC Function	☐ Without TPC Function	
Weather Band	☒ With 5600~5650MHz	☐ Without 5600~5650MHz	
Resource Unit	☒ Full RU	☐ Partial RU	
	☐ MRU(static preamble puncturing)	☐ MRU(dynamic preamble puncturing)	
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	0.964	0.16	1.395m	1k
802.11be EHT20_Nss1,(MCS0)_3TX	0.876	0.57	372.5u	3k
802.11be EHT40_Nss1,(MCS0)_3TX	0.874	0.58	367.5u	3k
802.11be EHT80_Nss1,(MCS0)_3TX	0.869	0.61	352.5u	3k

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	0.876	0.57	372.5u	3k
802.11be EHT40-BF_Nss1,(MCS0)_3TX	0.874	0.58	367.5u	3k
802.11be EHT80-BF_Nss1,(MCS0)_3TX	0.869	0.61	352.5u	3k

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

**1.1.5 Table for Multiple Listing**

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

Model Name	Description
SDG-9732iYYYYYY(Y can be 0-9, a-z, A-Z, blank, "+" or "-" or "#")	All the models are identical, the difference model served as marketing strategy.

From the above models, SDG-9732i Smart 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	21.6~22.3°C / 55~59%	28/Nov/2024
RF Conducted	TH01-HY	Sonic Li	22.5~22.9°C / 53~57%	25/Nov/2024~03/Dec/2024
☒ Wen 33rd. St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated (co-location)	03CH09-HY	Lego Lin	20.4~21.5°C / 56~60%	27/Nov/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	03CH24-HY	Jack Tang	20.7~21.6°C / 56~64%	21/Nov/2024~22/Nov/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 0.0.2.104
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Non-Beamforming

Mode	Power Setting
802.11a_Nss1,(6Mbps)_3TX	-
5180MHz	17.5
5200MHz	20
5240MHz	20.5
5745MHz	23.5
5785MHz	24
5825MHz	24
802.11be EHT20_Nss1,(MCS0)_3TX	-
5180MHz	18
5200MHz	20.5
5240MHz	22
5745MHz	24
5785MHz	24
5825MHz	24
802.11be EHT40_Nss1,(MCS0)_3TX	-
5190MHz	17
5230MHz	19.5
5755MHz	22.5
5795MHz	24
802.11be EHT80_Nss1,(MCS0)_3TX	-
5210MHz	14
5775MHz	21

**Beamforming**

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_3TX	-
5180MHz	18
5200MHz	20.5
5240MHz	22
5745MHz	24
5785MHz	24
5825MHz	24
802.11be EHT40-BF_Nss1,(MCS0)_3TX	-
5190MHz	17
5230MHz	19.5
5755MHz	22.5
5795MHz	24
802.11be EHT80-BF_Nss1,(MCS0)_3TX	-
5210MHz	14
5775MHz	21

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	PoE 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	PoE 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
Operating Mode	CTX
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA4O2418 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	



2.3 Accessories

Accessories				
Mount Plate	Brand Name	N/A	Model Name	N/A
T-bar Mount	Brand Name	N/A	Model Name	N/A

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

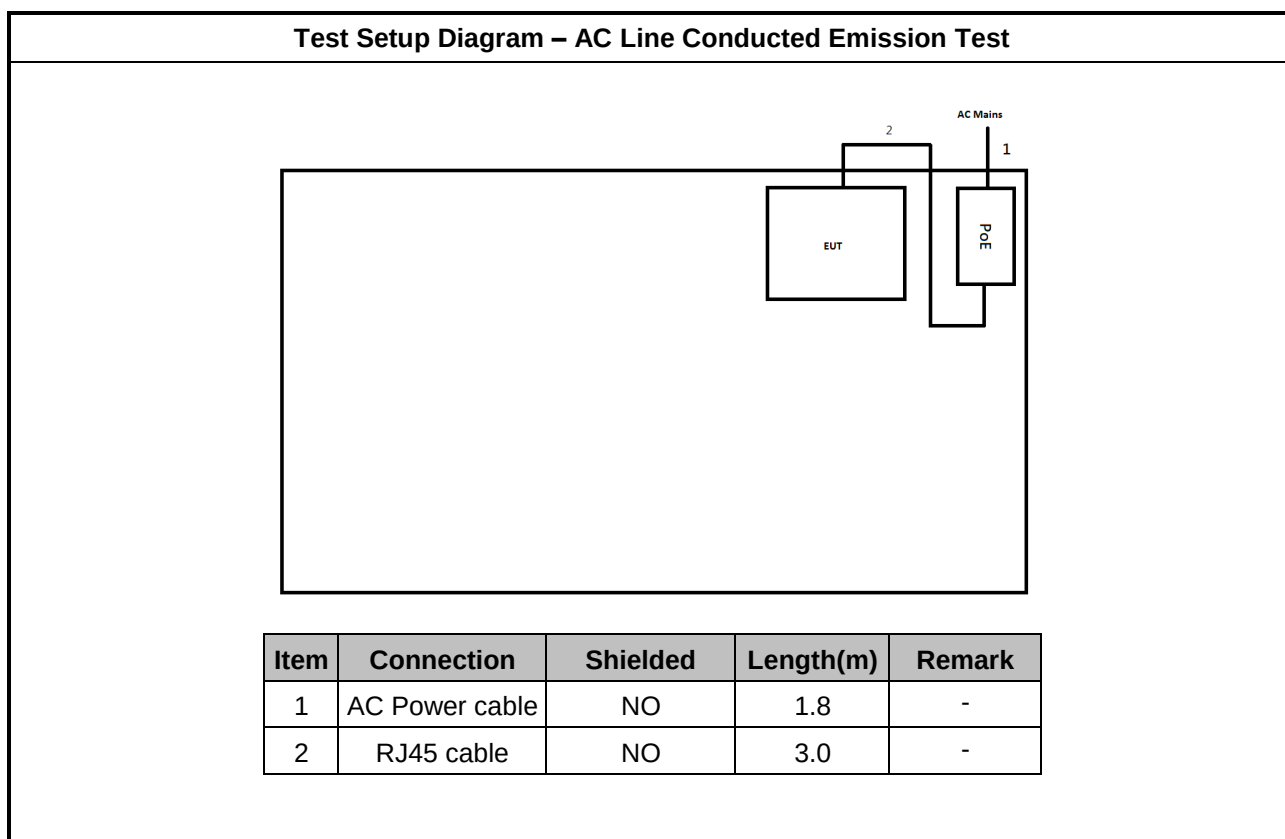
2.4 Support Equipment

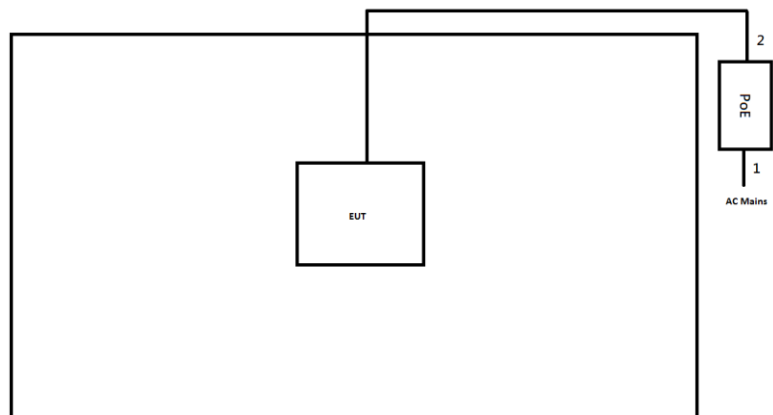
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 Cable	Power sync	CAT-6E-03	-	-
2	PoE	CWT	P060U04BT	-	Provided by Customer
3	Power Cord	N/A	N/A	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 Cable	Power sync	CAT-6E-03	-	-
2	PoE (Remote)	CWT	P060U04BT	-	Provided by Customer
3	Power Cord (Remote)	N/A	N/A	-	Provided by Customer

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	NO	1.8	-
2	RJ45 cable	NO	3.0	-



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

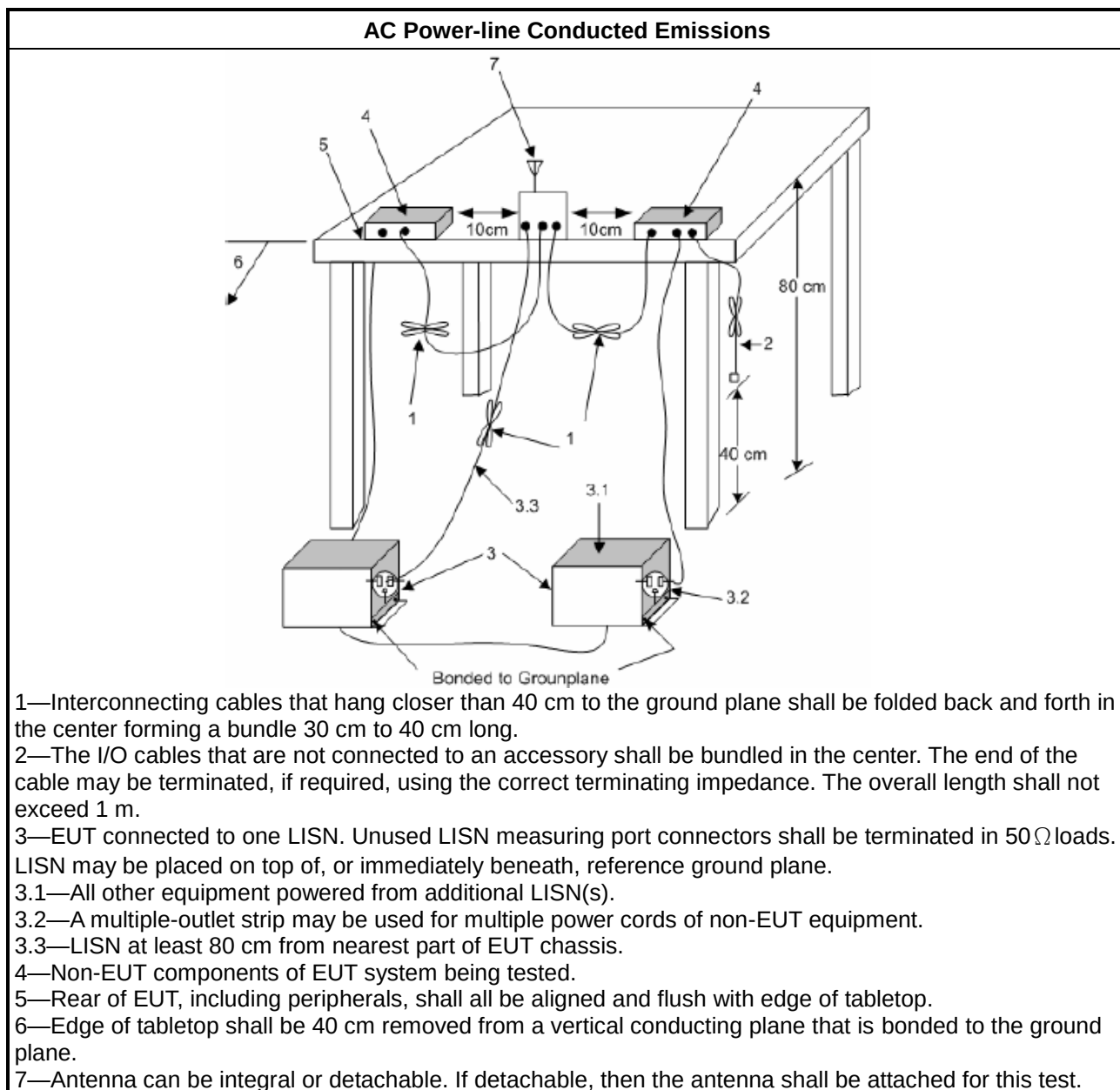
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

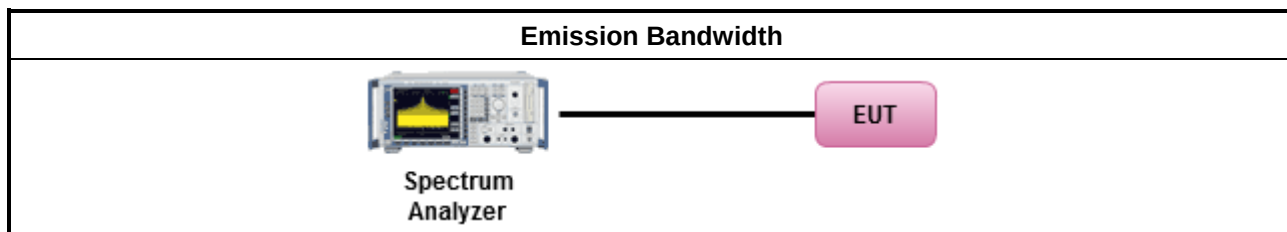
3.2.2 Measuring Instruments

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.	

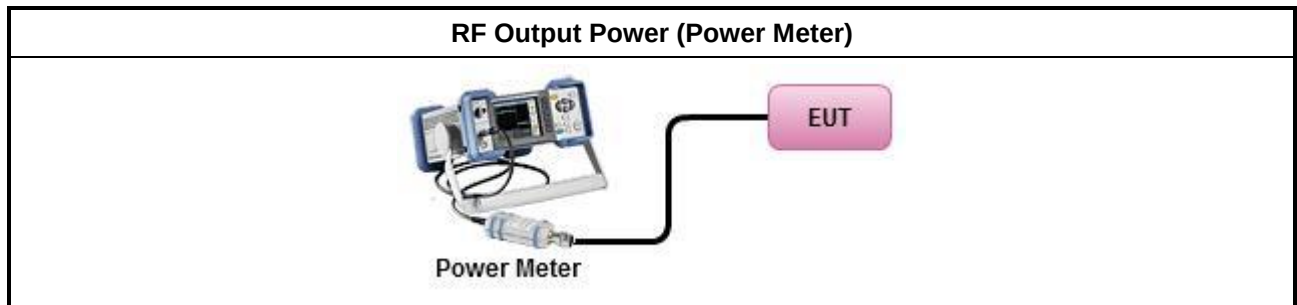
3.3.2 Measuring Instruments

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.	

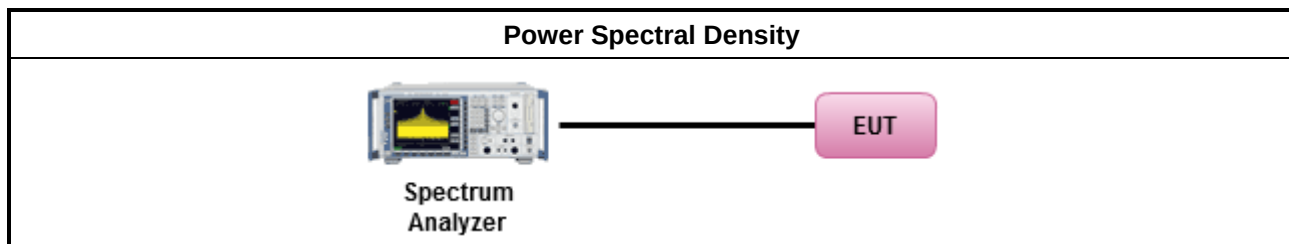
3.4.2 Measuring Instruments

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

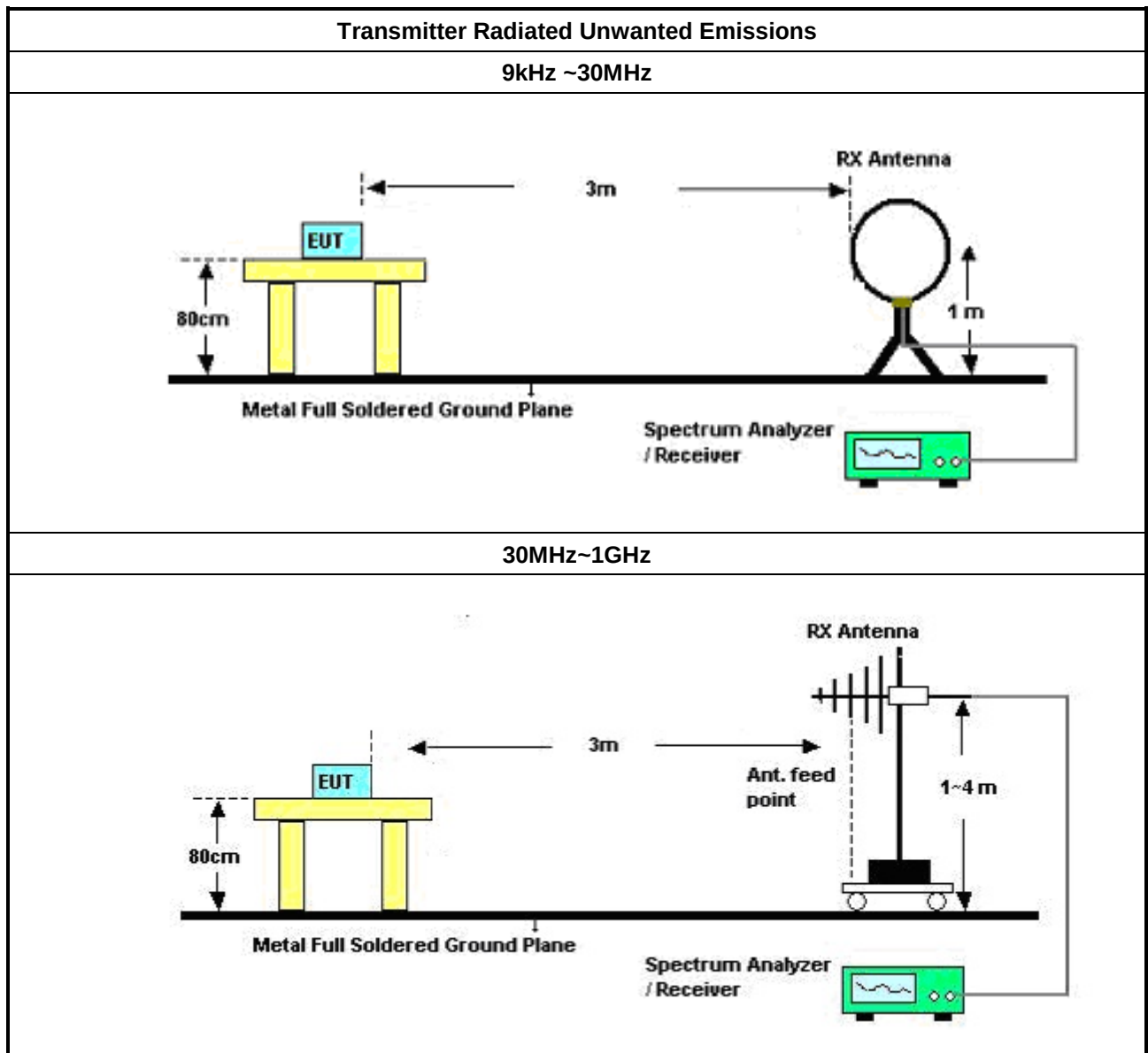
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above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

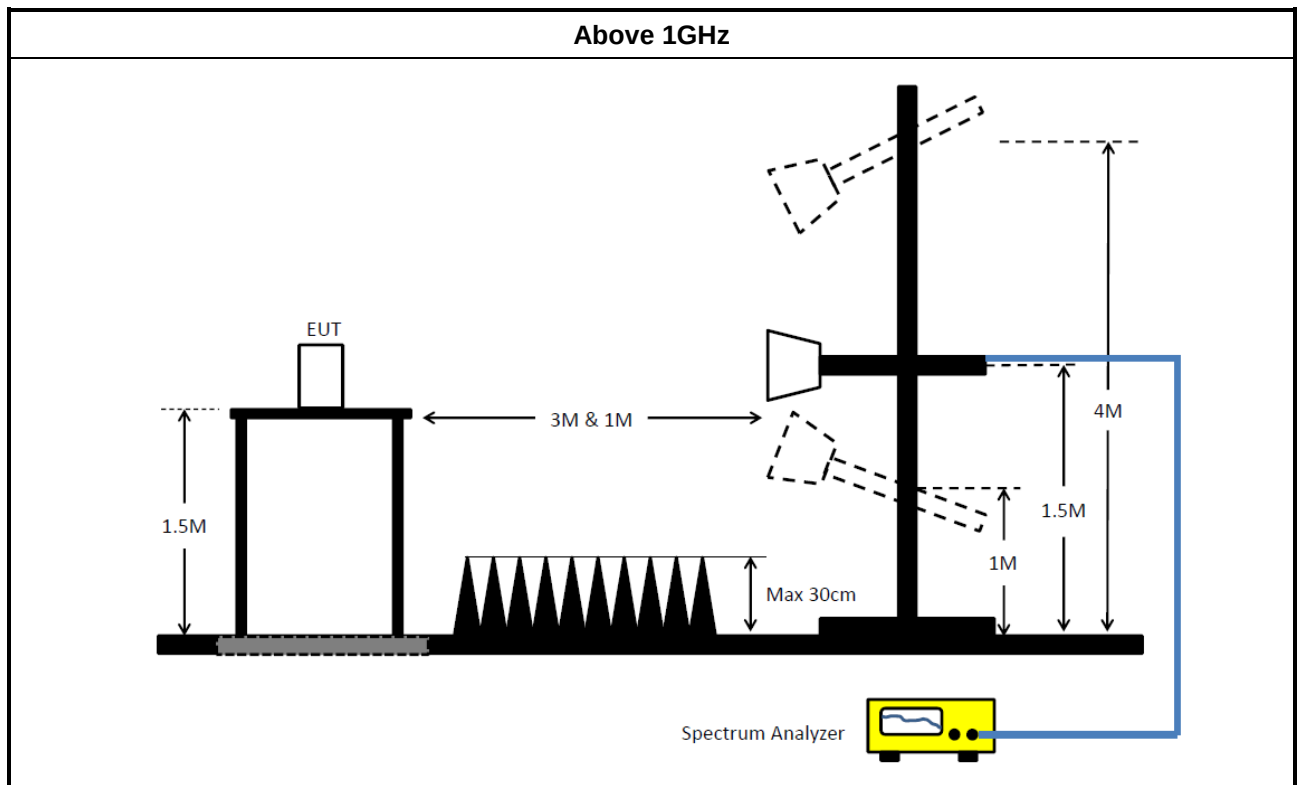
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier 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	17/Oct/2024	16/Oct/2025
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	101013	10Hz~40GHz	09/Apr/2024	08/Apr/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	17/Feb/2024	16/Feb/2025
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	17/Feb/2024	16/Feb/2025
SENSE-15407_NII	Sporton	V5.11.21	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	16/Aug/2024	15/Aug/2025
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	1GHz~18GHz 3m	30/Jul/2024	29/Jul/2025
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Signal Analyzer	ROHDE & SCHWARZ	FSV3044	101345	10Hz~44GHz	27/Aug/2024	26/Aug/2025
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
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02744	1GHz~18GHz	15/Aug/2024	14/Aug/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	03CH24-cable-01	9kHz~40GHz	01/Oct/2024	30/Sep/2025
Pre-Amplifier	Agilent	8447D	2944A06292	30MHz~1GHz	18/Apr/2024	17/Apr/2025
Amplifier	EM	EM01G18G	060870	1GHz ~18GHz	12/Aug/2024	11/Aug/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 (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Site V.S.W.R	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	07/Mar/2024	06/Mar/2025
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	15/Aug/2024	14/Aug/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	20/Dec/2023	19/Dec/2024
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	19/Jul/2024	18/Jul/2025
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	07/Oct/2024	06/Oct/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
Amplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	19/Apr/2024	18/Apr/2025
SENSE-EMI	Sporton	V5.11	NA	NA	NA	NA



Conducted Emissions at Powerline_Non-Beamforming

Appendix A

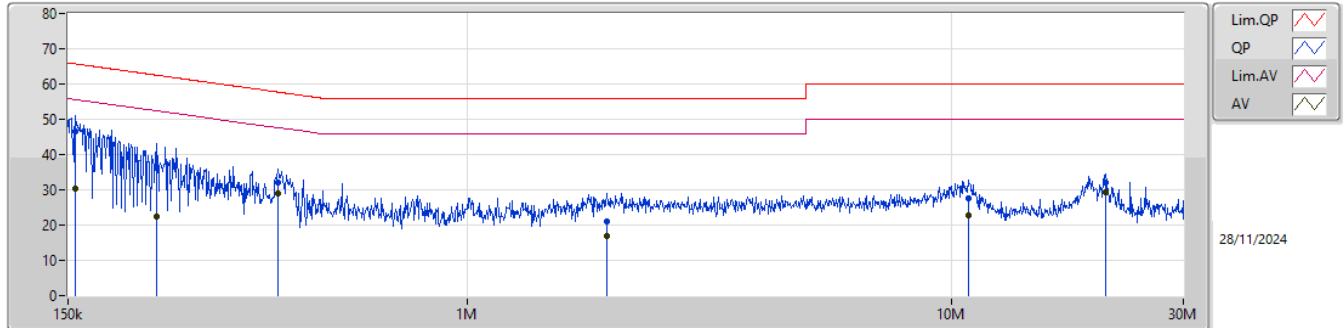
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	406.93k	32.01	47.70	-15.69	Neutral

Result

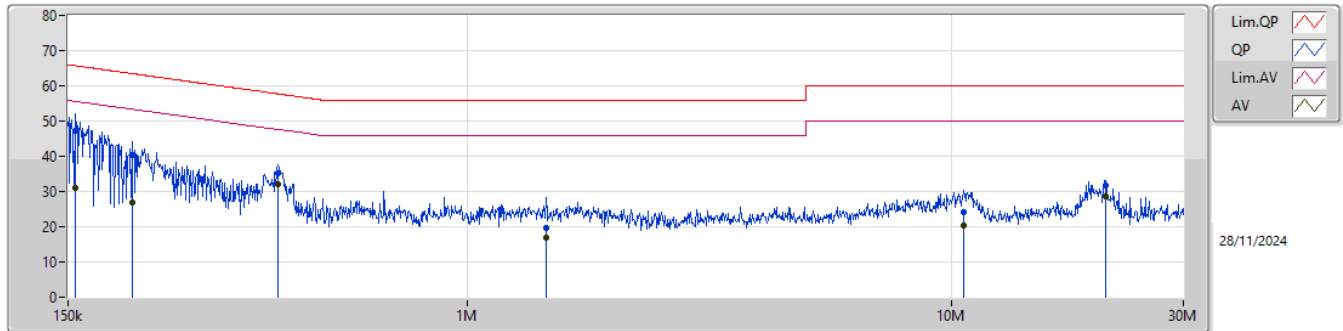
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	155.487k	46.70	65.69	-18.99	Line
Mode 1	Pass	AV	155.487k	30.28	55.69	-25.41	Line
Mode 1	Pass	QP	228.103k	36.52	62.52	-26.00	Line
Mode 1	Pass	AV	228.103k	22.55	52.52	-29.97	Line
Mode 1	Pass	QP	406.93k	32.07	57.70	-25.63	Line
Mode 1	Pass	AV	406.93k	28.95	47.70	-18.75	Line
Mode 1	Pass	QP	1.938M	21.04	56.00	-34.96	Line
Mode 1	Pass	AV	1.938M	16.93	46.00	-29.07	Line
Mode 1	Pass	QP	10.787M	27.58	60.00	-32.42	Line
Mode 1	Pass	AV	10.787M	22.85	50.00	-27.15	Line
Mode 1	Pass	QP	20.76M	32.01	60.00	-27.99	Line
Mode 1	Pass	AV	20.76M	29.14	50.00	-20.86	Line
Mode 1	Pass	QP	154.868k	47.18	65.73	-18.55	Neutral
Mode 1	Pass	AV	154.868k	30.87	55.73	-24.86	Neutral
Mode 1	Pass	QP	203.167k	40.23	63.48	-23.25	Neutral
Mode 1	Pass	AV	203.167k	26.85	53.48	-26.63	Neutral
Mode 1	Pass	QP	406.93k	35.16	57.70	-22.54	Neutral
Mode 1	Pass	AV	406.93k	32.01	47.70	-15.69	Neutral
Mode 1	Pass	QP	1.454M	19.58	56.00	-36.42	Neutral
Mode 1	Pass	AV	1.454M	16.75	46.00	-29.25	Neutral
Mode 1	Pass	QP	10.574M	24.29	60.00	-35.71	Neutral
Mode 1	Pass	AV	10.574M	20.29	50.00	-29.71	Neutral
Mode 1	Pass	QP	20.76M	31.75	60.00	-28.25	Neutral
Mode 1	Pass	AV	20.76M	28.72	50.00	-21.28	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	155.487k	46.70	65.69	-18.99	19.70	Line	-	27.00	9.66	0.07	9.97						
AV	155.487k	30.28	55.69	-25.41	19.70	Line	-	10.58	9.66	0.07	9.97						
QP	228.103k	36.52	62.52	-26.00	19.72	Line	-	16.80	9.65	0.10	9.97						
AV	228.103k	22.55	52.52	-29.97	19.72	Line	-	2.83	9.65	0.10	9.97						
QP	406.93k	32.07	57.70	-25.63	19.75	Line	-	12.32	9.65	0.12	9.98						
AV	406.93k	28.95	47.70	-18.75	19.75	Line	-	9.20	9.65	0.12	9.98						
QP	1.938M	21.04	56.00	-34.96	19.75	Line	-	1.29	9.67	0.11	9.97						
AV	1.938M	16.93	46.00	-29.07	19.75	Line	-	-2.82	9.67	0.11	9.97						
QP	10.787M	27.58	60.00	-32.42	19.75	Line	-	7.83	9.71	0.06	9.98						
AV	10.787M	22.85	50.00	-27.15	19.75	Line	-	3.10	9.71	0.06	9.98						
QP	20.76M	32.01	60.00	-27.99	19.77	Line	-	12.24	9.67	0.12	9.98						
AV	20.76M	29.14	50.00	-20.86	19.77	Line	-	9.37	9.67	0.12	9.98						

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	154.868k	47.18	65.73	-18.55	19.64	Neutral	-	27.54	9.60	0.07	9.97						
AV	154.868k	30.87	55.73	-24.86	19.64	Neutral	-	11.23	9.60	0.07	9.97						
QP	203.167k	40.23	63.48	-23.25	19.66	Neutral	-	20.57	9.60	0.09	9.97						
AV	203.167k	26.85	53.48	-26.63	19.66	Neutral	-	7.19	9.60	0.09	9.97						
QP	406.93k	35.16	57.70	-22.54	19.70	Neutral	-	15.46	9.60	0.12	9.98						
AV	406.93k	32.01	47.70	-15.69	19.70	Neutral	-	12.31	9.60	0.12	9.98						
QP	1.454M	19.58	56.00	-36.42	19.68	Neutral	-	-0.10	9.61	0.10	9.97						
AV	1.454M	16.75	46.00	-29.25	19.68	Neutral	-	-2.93	9.61	0.10	9.97						
QP	10.574M	24.29	60.00	-35.71	19.70	Neutral	-	4.59	9.66	0.06	9.98						
AV	10.574M	20.29	50.00	-29.71	19.70	Neutral	-	0.59	9.66	0.06	9.98						
QP	20.76M	31.75	60.00	-28.25	19.77	Neutral	-	11.98	9.67	0.12	9.98						
AV	20.76M	28.72	50.00	-21.28	19.77	Neutral	-	8.95	9.67	0.12	9.98						

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	33.825M	19.636M	19M6D1D	19.525M	16.36M
802.11be EHT20_Nss1,(MCS0)_3TX	35.695M	19.29M	19M3D1D	19.58M	18.766M
802.11be EHT40_Nss1,(MCS0)_3TX	39.38M	37.731M	37M7D1D	38.83M	37.481M
802.11be EHT80_Nss1,(MCS0)_3TX	80.08M	76.962M	77M0D1D	79.86M	76.862M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	16.445M	36.546M	36M5D1D	14.41M	26.827M
802.11be EHT20_Nss1,(MCS0)_3TX	18.92M	29.485M	29M5D1D	16.115M	20.54M
802.11be EHT40_Nss1,(MCS0)_3TX	36.3M	51.674M	51M7D1D	30.91M	37.831M
802.11be EHT80_Nss1,(MCS0)_3TX	76.34M	77.061M	77M1D1D	70.18M	76.762M

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	Port 1-N dB	Port 1-OBW	Port 2-N dB	Port 2-OBW	Port 3-N dB	Port 3-OBW
		(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.735M	16.36M	21.12M	16.404M	19.525M	16.36M
5200MHz	Pass	Inf	32.12M	16.976M	31.405M	17.349M	27.555M	16.426M
5240MHz	Pass	Inf	32.56M	17.261M	33.825M	19.636M	26.675M	16.558M
5745MHz	Pass	500k	14.41M	26.827M	16.335M	28.234M	15.95M	29.905M
5785MHz	Pass	500k	16.335M	32.522M	16.225M	33.247M	16.335M	30.807M
5825MHz	Pass	500k	16.39M	36.546M	16.445M	35.314M	16.335M	30.697M
802.11be EHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.69M	18.891M	19.58M	18.766M	19.69M	18.766M
5200MHz	Pass	Inf	22.825M	18.916M	26.07M	19.015M	19.635M	18.891M
5240MHz	Pass	Inf	34.925M	19.065M	35.695M	19.29M	28.6M	18.991M
5745MHz	Pass	500k	16.555M	20.54M	17.435M	24.188M	16.885M	22.489M
5785MHz	Pass	500k	17.545M	22.764M	16.115M	23.988M	18.92M	24.388M
5825MHz	Pass	500k	16.17M	26.162M	17.325M	29.485M	16.885M	23.263M
802.11be EHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.38M	37.731M	38.94M	37.531M	38.83M	37.481M
5230MHz	Pass	Inf	38.83M	37.481M	38.83M	37.681M	38.83M	37.481M
5755MHz	Pass	500k	32.56M	37.831M	30.91M	38.031M	32.56M	37.981M
5795MHz	Pass	500k	35.09M	48.626M	36.3M	51.674M	35.09M	50.075M
802.11be EHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	80.08M	76.962M	79.86M	76.962M	79.86M	76.862M
5775MHz	Pass	500k	76.34M	76.862M	75.02M	76.762M	70.18M	77.061M

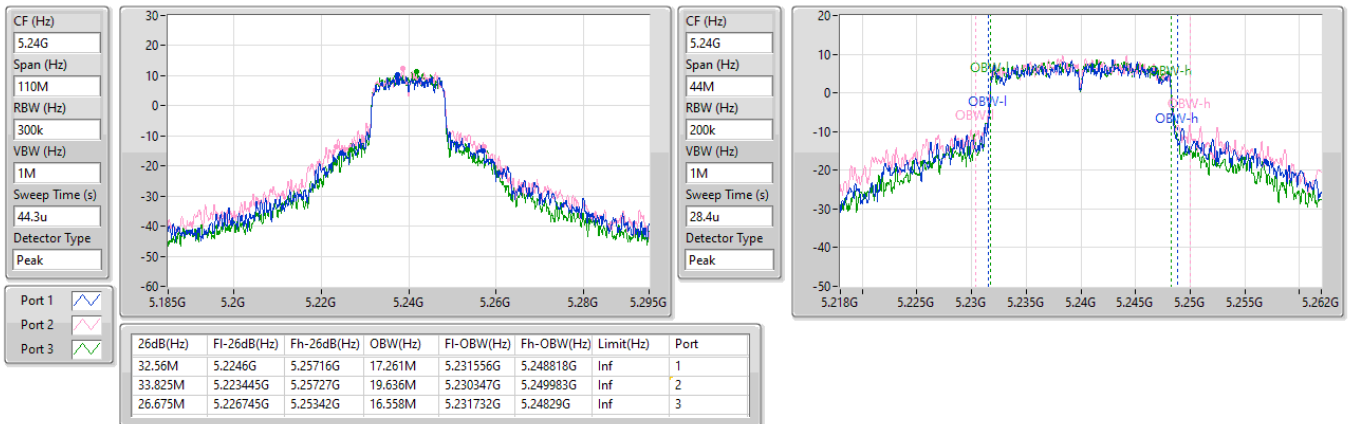
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5240MHz

25/11/2024

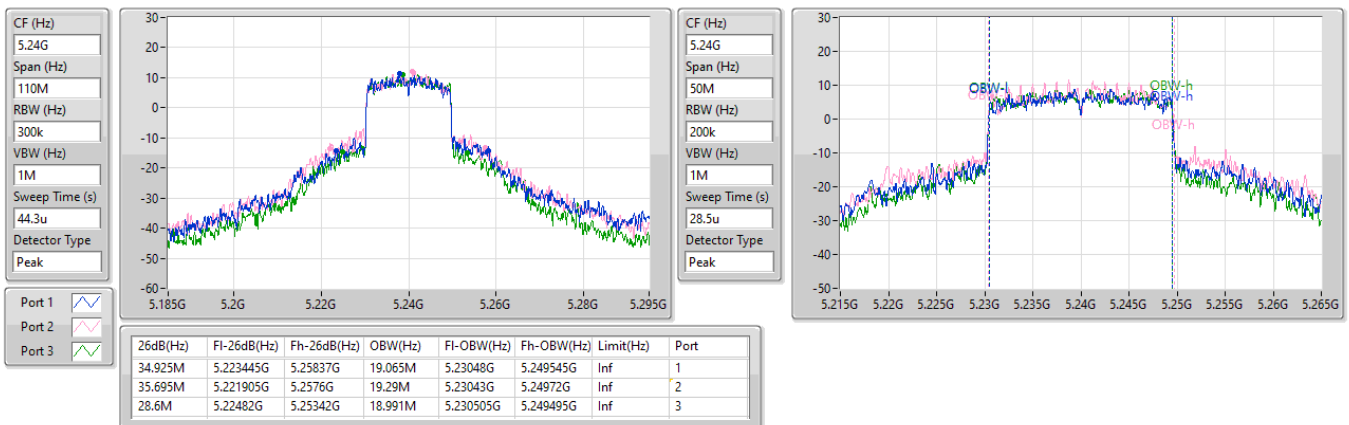


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_3TX

EBW

5240MHz

25/11/2024

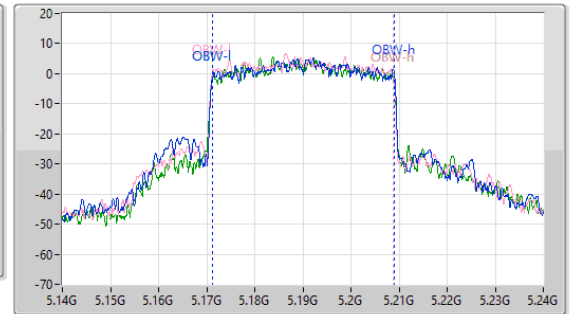
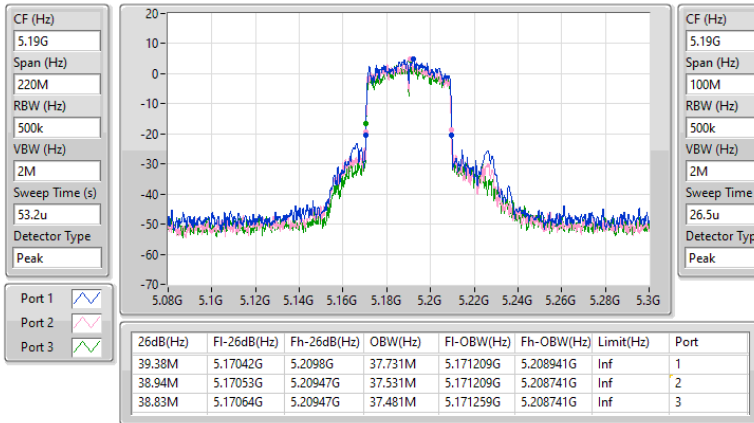


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_3TX

EBW

5190MHz

25/11/2024

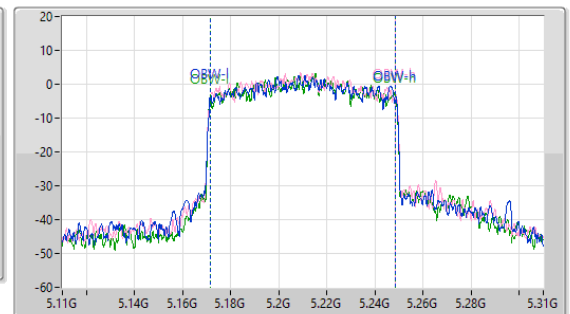
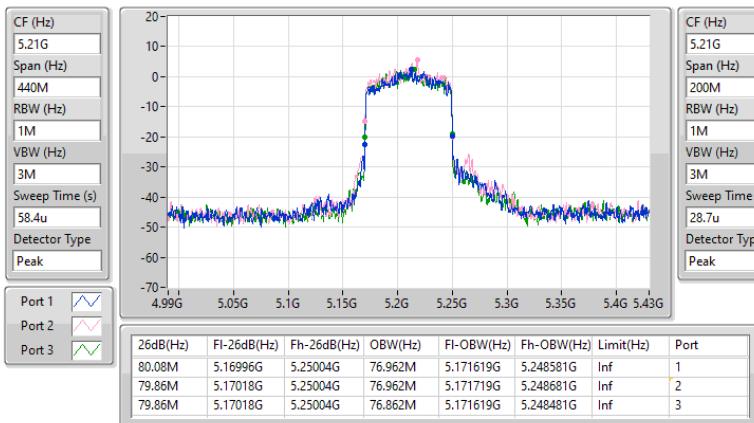


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_3TX

EBW

5210MHz

25/11/2024

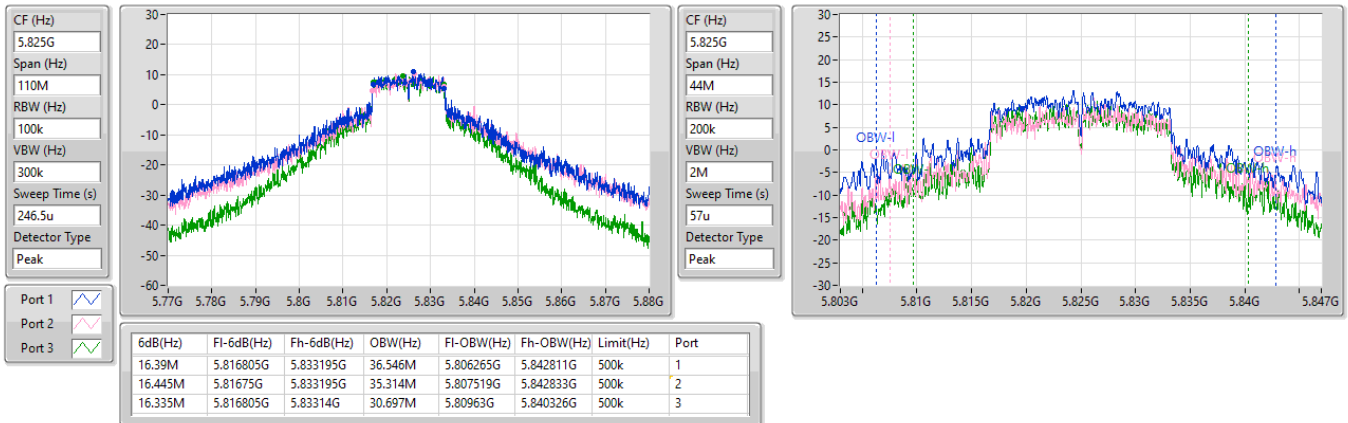


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_3TX

EBW

5825MHz

03/12/2024

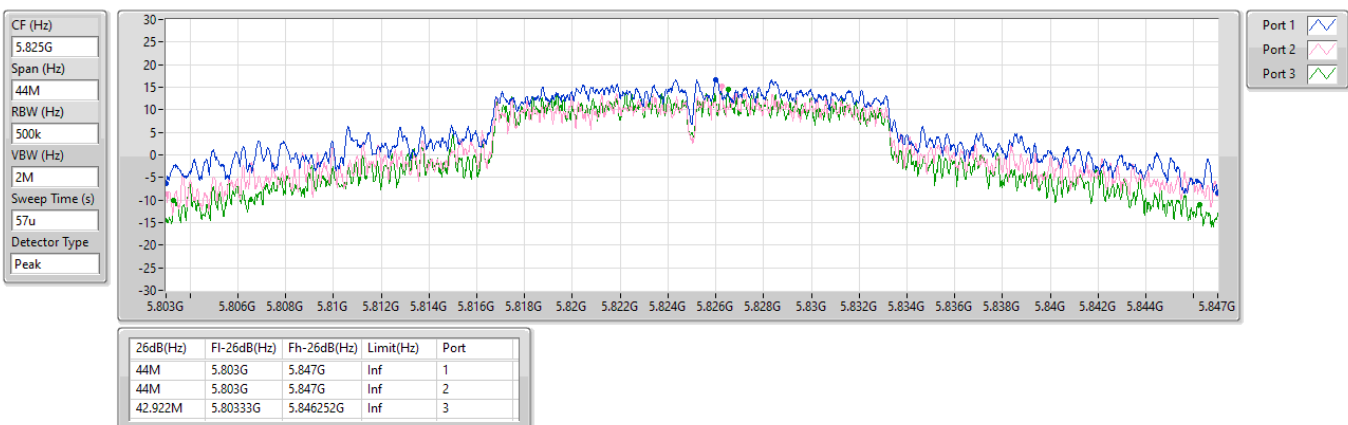


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_3TX

EBW

5825MHz

03/12/2024

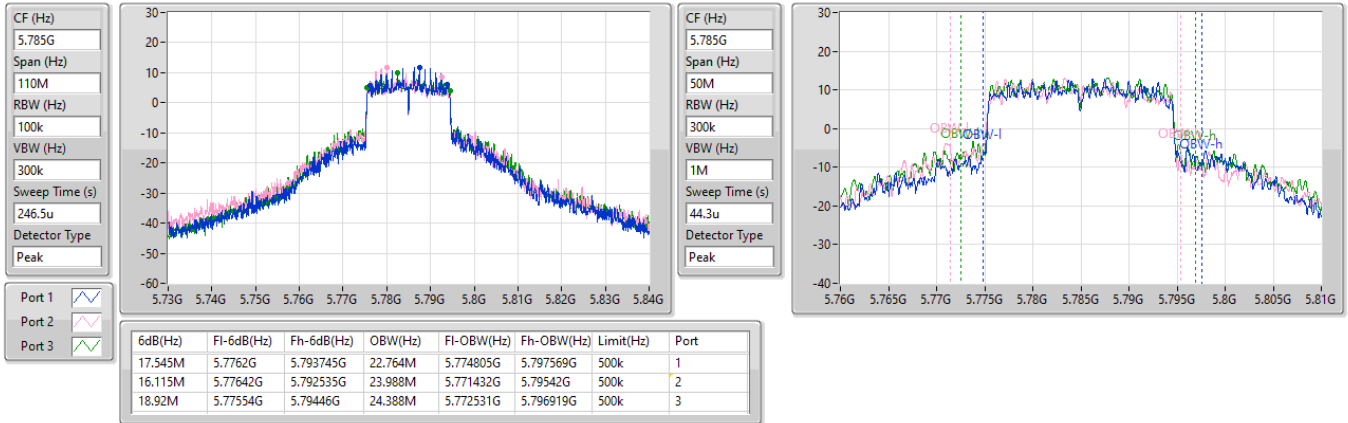


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_3TX

EBW

5785MHz

03/12/2024



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

EBW

5785MHz

03/12/2024

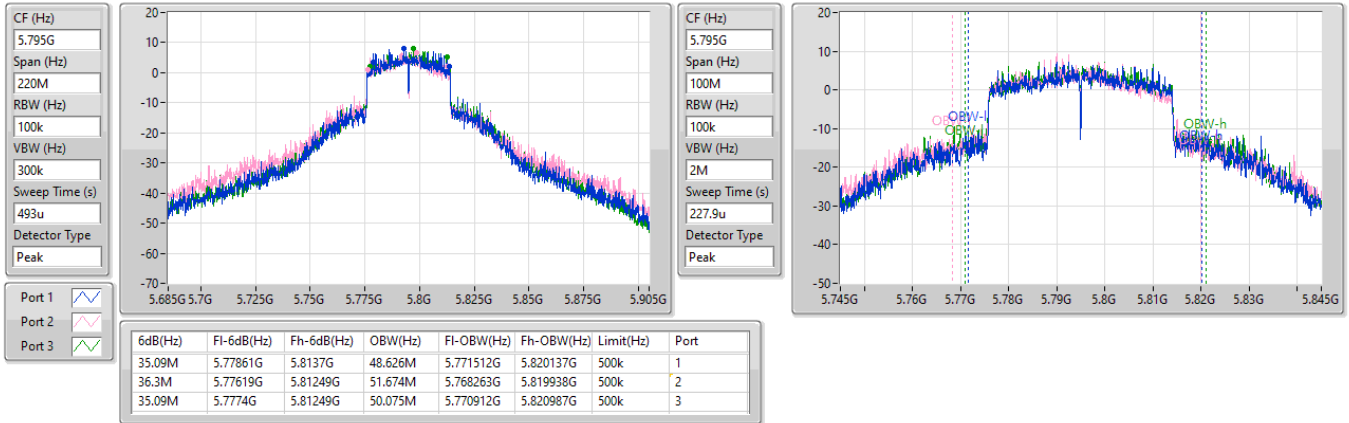


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_3TX

EBW

5795MHz

03/12/2024

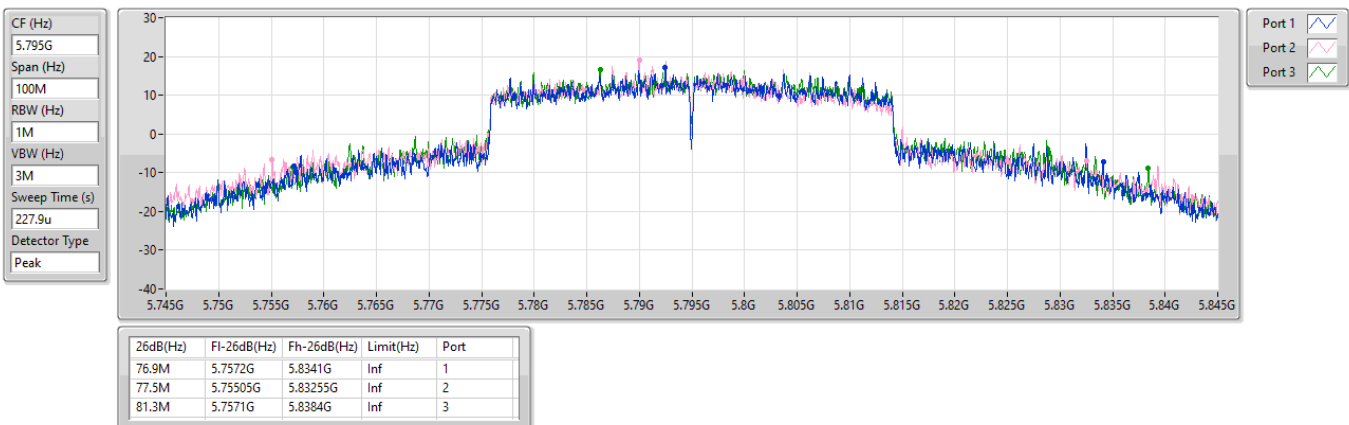


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_3TX

EBW

5795MHz

03/12/2024

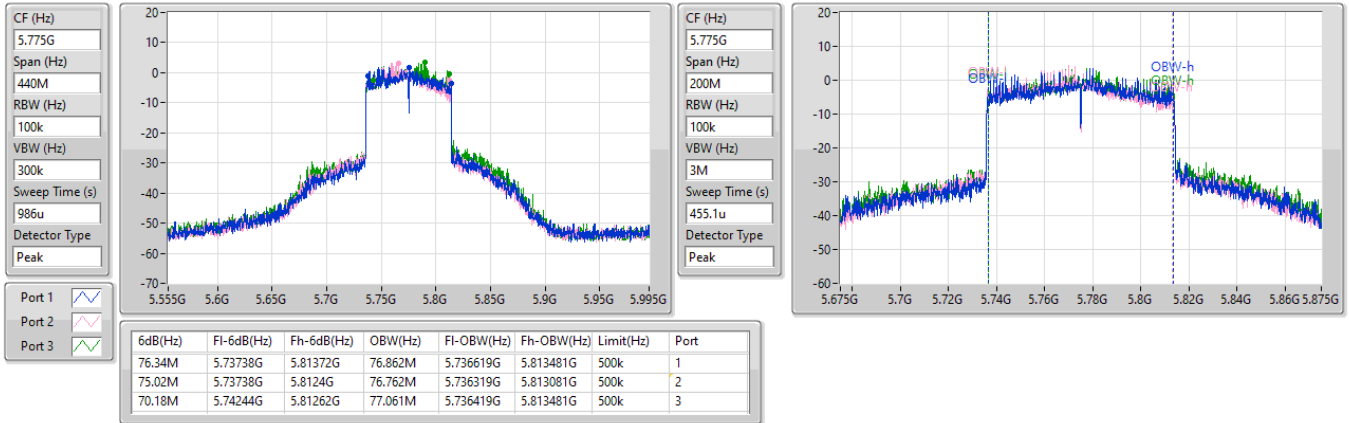


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_3TX

EBW

5775MHz

03/12/2024

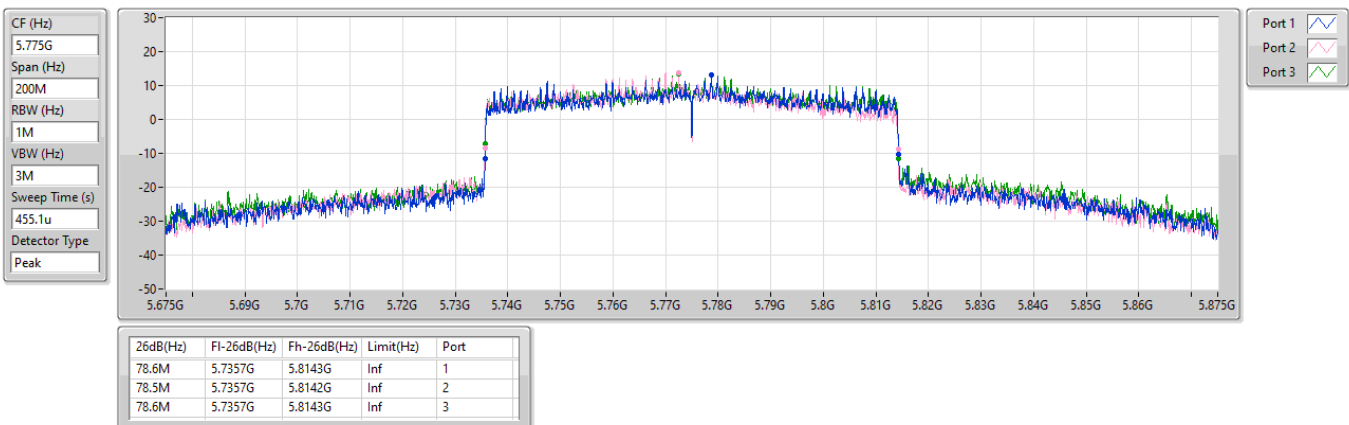


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_3TX

EBW

5775MHz

03/12/2024





Average Power_Non-Beamforming

Appendix C.1

Summary

Mode	Total Power	Total Power
	(dBm)	(W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_3TX	25.50	0.35481
802.11be EHT20_Nss1,(MCS0)_3TX	25.19	0.33037
802.11be EHT40_Nss1,(MCS0)_3TX	22.15	0.16406
802.11be EHT80_Nss1,(MCS0)_3TX	16.31	0.04276
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_3TX	28.66	0.73451
802.11be EHT20_Nss1,(MCS0)_3TX	27.56	0.57016
802.11be EHT40_Nss1,(MCS0)_3TX	27.13	0.51642
802.11be EHT80_Nss1,(MCS0)_3TX	24.47	0.27990



Average Power_Non-Beamforming

Appendix C.1

Result

Mode	Result	DG	Port 1	Port 2	Port 3	Total Power	Power Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	5.66	17.27	18.11	17.28	22.34	30.00
5200MHz	Pass	5.66	19.68	20.52	19.90	24.82	30.00
5240MHz	Pass	5.66	20.35	21.07	20.74	25.50	30.00
5745MHz	Pass	5.60	23.41	24.09	24.13	28.66	30.00
5785MHz	Pass	5.60	23.78	23.38	24.04	28.51	30.00
5825MHz	Pass	5.60	24.11	23.69	23.84	28.65	30.00
802.11be EHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	5.66	16.00	16.79	15.93	21.03	30.00
5200MHz	Pass	5.66	18.50	19.36	18.65	23.62	30.00
5240MHz	Pass	5.66	20.12	20.75	20.37	25.19	30.00
5745MHz	Pass	5.60	22.68	22.60	23.07	27.56	30.00
5785MHz	Pass	5.60	22.15	22.10	22.80	27.13	30.00
5825MHz	Pass	5.60	22.29	22.74	22.39	27.25	30.00
802.11be EHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5190MHz	Pass	5.66	14.36	15.23	14.33	19.43	30.00
5230MHz	Pass	5.66	17.09	17.77	17.25	22.15	30.00
5755MHz	Pass	5.60	21.15	21.32	21.71	26.17	30.00
5795MHz	Pass	5.60	22.14	22.15	22.77	27.13	30.00
802.11be EHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5210MHz	Pass	5.66	11.25	11.96	11.36	16.31	30.00
5775MHz	Pass	5.60	19.50	19.51	20.05	24.47	30.00

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)
5.15-5.25GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_3TX	25.19	0.33037
802.11be EHT40-BF_Nss1,(MCS0)_3TX	22.15	0.16406
802.11be EHT80-BF_Nss1,(MCS0)_3TX	16.31	0.04276
5.725-5.85GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_3TX	27.56	0.57016
802.11be EHT40-BF_Nss1,(MCS0)_3TX	27.13	0.51642
802.11be EHT80-BF_Nss1,(MCS0)_3TX	24.47	0.27990



Result

Mode	Result	DG	Port 1	Port 2	Port 3	Total Power	Power Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11be EHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	5.91	16.00	16.79	15.93	21.03	30.00
5200MHz	Pass	5.91	18.50	19.36	18.65	23.62	30.00
5240MHz	Pass	5.91	20.12	20.75	20.37	25.19	30.00
5745MHz	Pass	5.75	22.68	22.60	23.07	27.56	30.00
5785MHz	Pass	5.75	22.15	22.10	22.80	27.13	30.00
5825MHz	Pass	5.75	22.29	22.74	22.39	27.25	30.00
802.11be EHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5190MHz	Pass	5.91	14.36	15.23	14.33	19.43	30.00
5230MHz	Pass	5.91	17.09	17.77	17.25	22.15	30.00
5755MHz	Pass	5.75	21.15	21.32	21.71	26.17	30.00
5795MHz	Pass	5.75	22.14	22.15	22.77	27.13	30.00
802.11be EHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5210MHz	Pass	5.91	11.25	11.96	11.36	16.31	30.00
5775MHz	Pass	5.75	19.50	19.51	20.05	24.47	30.00

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



Summary

Mode	PD
	(dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_3TX	12.77
802.11be EHT20_Nss1,(MCS0)_3TX	12.46
802.11be EHT40_Nss1,(MCS0)_3TX	7.20
802.11be EHT80_Nss1,(MCS0)_3TX	-1.42
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_3TX	14.92
802.11be EHT20_Nss1,(MCS0)_3TX	13.37
802.11be EHT40_Nss1,(MCS0)_3TX	10.63
802.11be EHT80_Nss1,(MCS0)_3TX	5.16

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

Result

Mode	Result	DG	Port 1	Port 2	Port 3	PD	PD Limit
		(dBi)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	5.91	4.70	5.73	4.37	9.65	17.00
5200MHz	Pass	5.91	7.07	7.89	7.33	12.15	17.00
5240MHz	Pass	5.91	7.74	8.32	8.08	12.77	17.00
5745MHz	Pass	5.75	9.64	9.69	10.08	14.49	30.00
5785MHz	Pass	5.75	10.05	10.03	10.48	14.92	30.00
5825MHz	Pass	5.75	9.68	9.32	9.73	14.27	30.00
802.11be EHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	5.91	3.43	4.13	3.36	8.41	17.00
5200MHz	Pass	5.91	5.92	6.70	6.09	10.97	17.00
5240MHz	Pass	5.91	7.41	8.06	7.73	12.46	17.00
5745MHz	Pass	5.75	8.46	8.43	8.88	13.37	30.00
5785MHz	Pass	5.75	8.04	8.01	8.58	12.91	30.00
5825MHz	Pass	5.75	8.20	8.39	8.32	13.00	30.00
802.11be EHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5190MHz	Pass	5.91	-0.38	0.55	-0.54	4.66	17.00
5230MHz	Pass	5.91	2.18	2.95	2.29	7.20	17.00
5755MHz	Pass	5.75	4.75	4.83	5.39	9.69	30.00
5795MHz	Pass	5.75	5.82	5.79	6.38	10.63	30.00
802.11be EHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5210MHz	Pass	5.91	-6.48	-5.63	-6.27	-1.42	17.00
5775MHz	Pass	5.75	0.19	0.47	0.85	5.16	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.

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

PSD

5240MHz

25/11/2024

CF (Hz)
5.24G

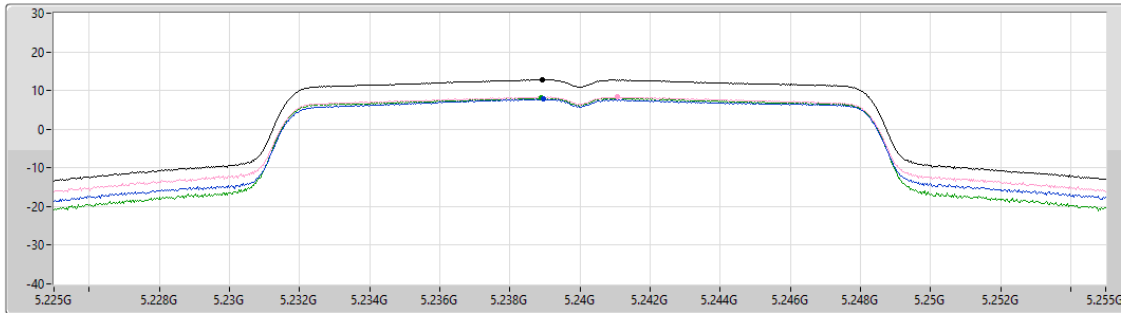
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
14.464

Detector Type
RMS



Sum ☒

Port 1 ☐

Port 2 ☐

Port 3 ☐

Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.77	12.77	7.74	8.32	8.08

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

PSD

5240MHz

25/11/2024

CF (Hz)
5.24G

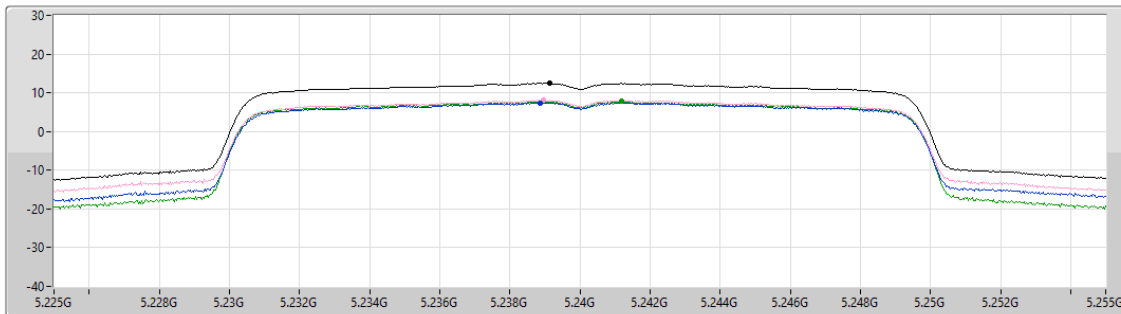
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
4.229

Detector Type
RMS



Sum ☒

Port 1 ☐

Port 2 ☐

Port 3 ☐

Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.46	12.46	7.41	8.06	7.73

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

PSD

5230MHz

25/11/2024

CF (Hz)
5.23G

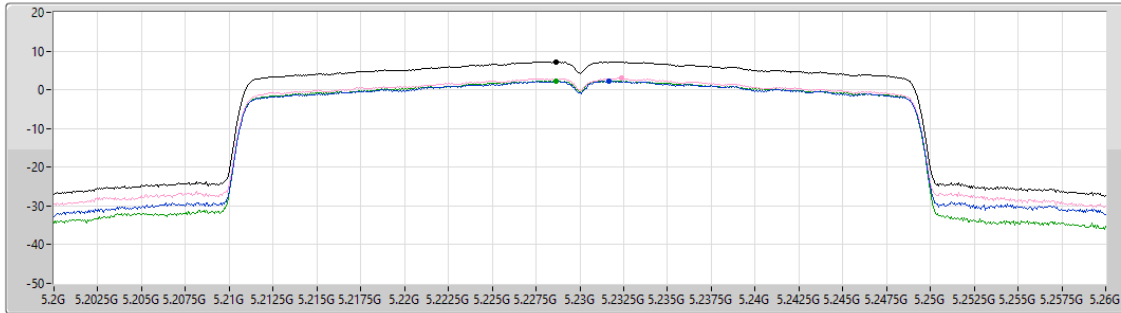
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
4.129

Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.20	7.20	2.18	2.95	2.29

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

PSD

5210MHz

25/11/2024

CF (Hz)
5.21G

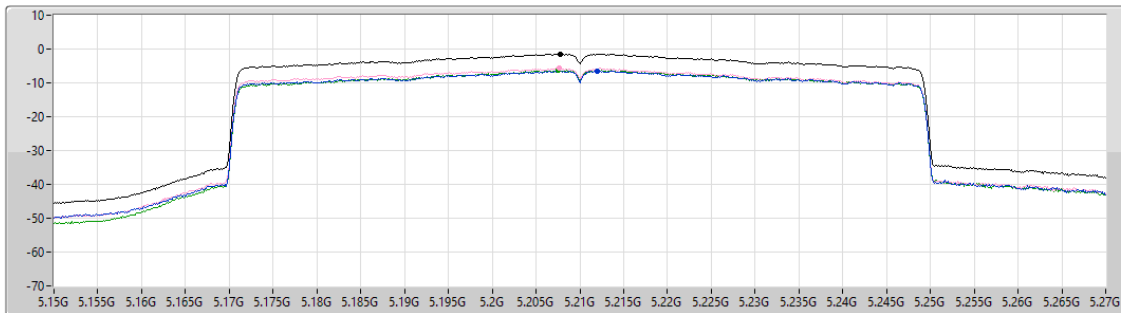
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
4.029

Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.42	-1.42	-6.48	-5.63	-6.27

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

PSD

5785MHz

03/12/2024

CF (Hz)
5.785G

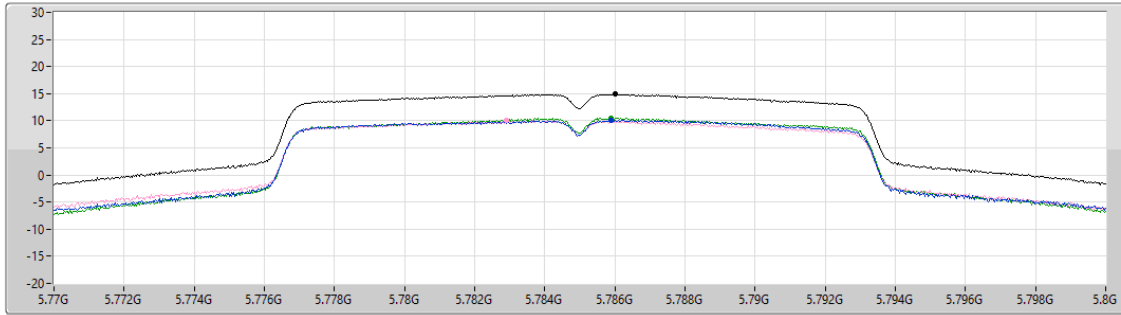
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
14.464

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.92	14.92	10.05	10.03	10.48

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

PSD

5745MHz

03/12/2024

CF (Hz)
5.745G

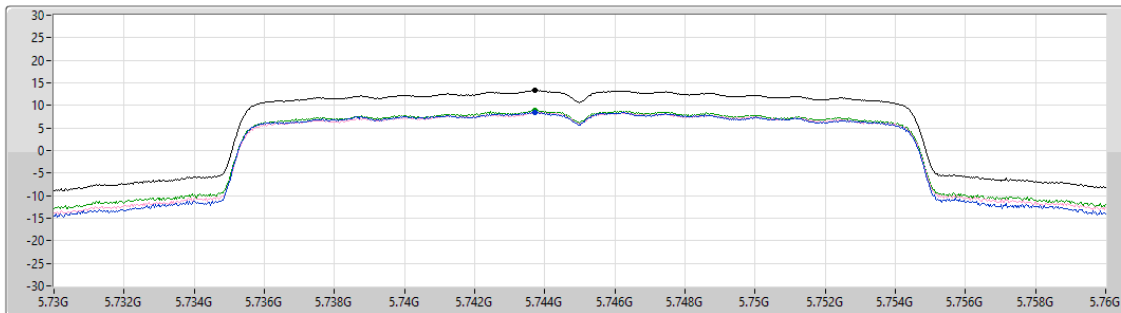
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
4.229

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.37	13.37	8.46	8.43	8.88

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

PSD

5795MHz

03/12/2024

CF (Hz)
5.795G

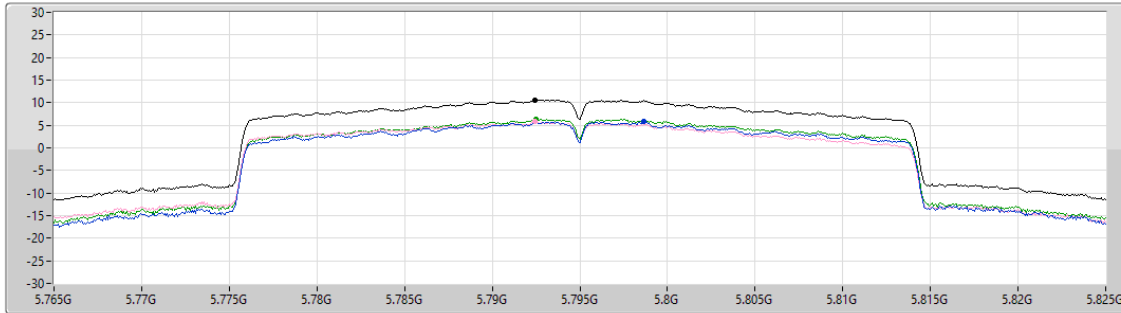
Span (Hz)
60M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
4.129

Detector Type
RMS



Sum 

Port 1 

Port 2 

Port 3 

Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.63	10.63	5.82	5.79	6.38

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

PSD

5775MHz

03/12/2024

CF (Hz)
5.775G

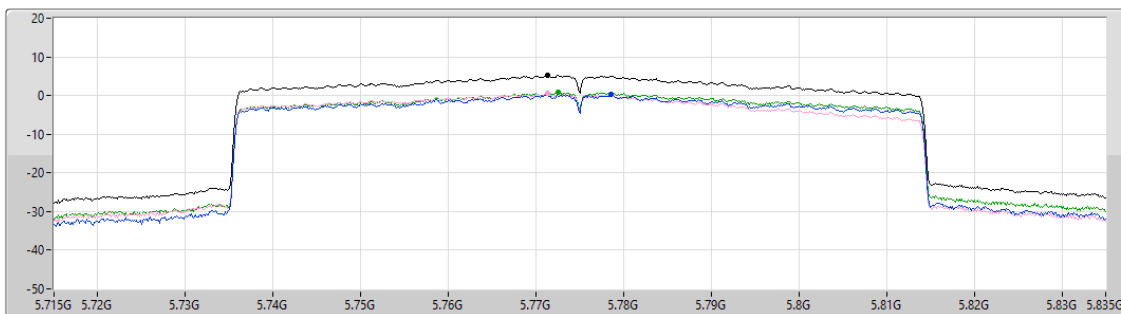
Span (Hz)
120M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
4.029

Detector Type
RMS



Sum 

Port 1 

Port 2 

Port 3 

Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.16	5.16	0.19	0.47	0.85



Summary

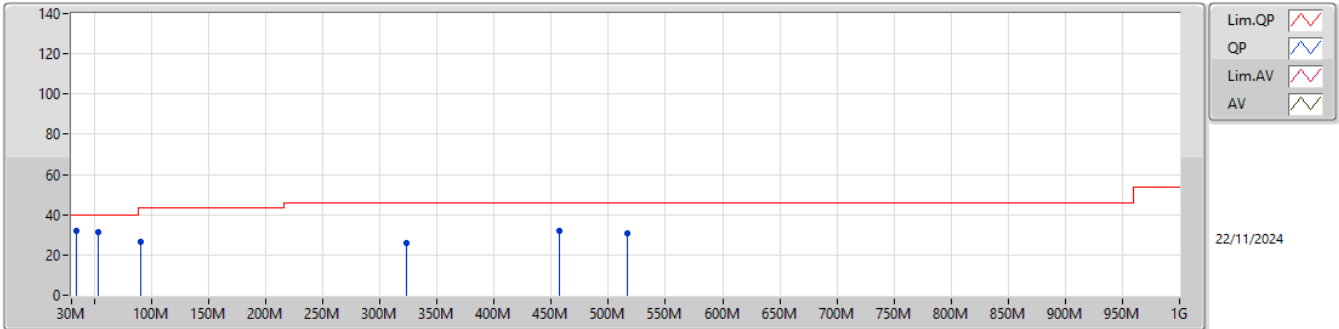
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT80_Nss1,(MCS0)_3TX	Pass	PK	398.6M	38.73	46.00	-7.27	3	Horizontal	360	1.00

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	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	33.88M	32.14	40.00	-7.86	3	Vertical	0	1.00
5775MHz	Pass	PK	53.28M	31.19	40.00	-8.81	3	Vertical	0	1.00
5775MHz	Pass	PK	90.14M	26.64	43.50	-16.86	3	Vertical	0	1.00
5775MHz	Pass	PK	322.94M	26.06	46.00	-19.94	3	Vertical	0	1.00
5775MHz	Pass	PK	456.8M	32.11	46.00	-13.89	3	Vertical	0	1.00
5775MHz	Pass	PK	516.94M	30.72	46.00	-15.28	3	Vertical	0	1.00
5775MHz	Pass	PK	30M	23.90	40.00	-16.10	3	Horizontal	360	1.00
5775MHz	Pass	PK	90.14M	27.21	43.50	-16.29	3	Horizontal	360	1.00
5775MHz	Pass	PK	117.3M	23.96	43.50	-19.54	3	Horizontal	360	1.00
5775MHz	Pass	PK	284.14M	27.37	46.00	-18.63	3	Horizontal	360	1.00
5775MHz	Pass	PK	398.6M	38.73	46.00	-7.27	3	Horizontal	360	1.00
5775MHz	Pass	PK	466.5M	31.62	46.00	-14.38	3	Horizontal	360	1.00

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

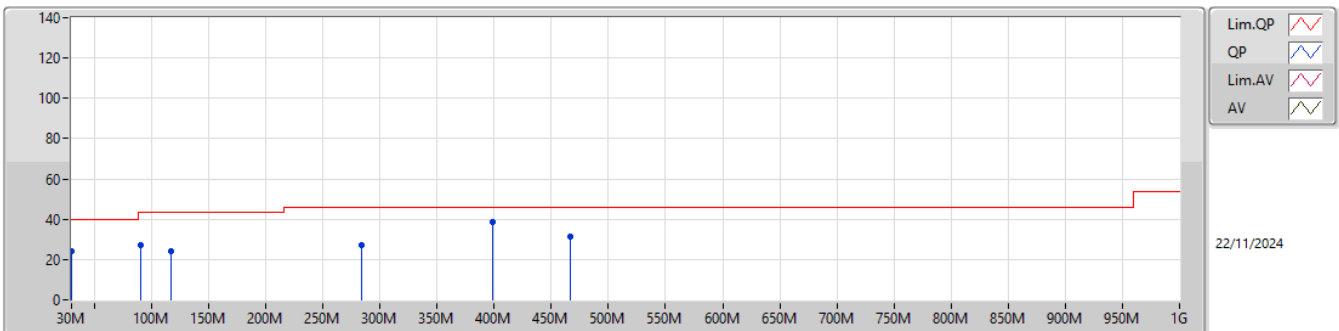
5775MHz_PoE



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	33.88M	32.14	40.00	-7.86	-5.42	3	Vertical	0	1.00	37.56	21.52	0.44	27.38
PK	53.28M	31.19	40.00	-8.81	-14.71	3	Vertical	0	1.00	45.90	12.09	0.55	27.35
PK	90.14M	26.64	43.50	-16.86	-12.43	3	Vertical	0	1.00	39.07	14.11	0.72	27.26
PK	322.94M	26.06	46.00	-19.94	-6.72	3	Vertical	0	1.00	32.78	18.75	1.37	26.84
PK	456.8M	32.11	46.00	-13.89	-4.46	3	Vertical	0	1.00	36.57	21.88	1.61	27.95
PK	516.94M	30.72	46.00	-15.28	-3.79	3	Vertical	0	1.00	34.51	22.67	1.71	28.17

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

5775MHz_PoE



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	30M	23.90	40.00	-16.10	-3.60	3	Horizontal	360	1.00	27.50	23.36	0.42	27.38
PK	90.14M	27.21	43.50	-16.29	-12.43	3	Horizontal	360	1.00	39.64	14.11	0.72	27.26
PK	117.3M	23.96	43.50	-19.54	-9.43	3	Horizontal	360	1.00	33.39	16.95	0.82	27.20
PK	284.14M	27.37	46.00	-18.63	-7.39	3	Horizontal	360	1.00	34.76	17.99	1.28	26.66
PK	398.6M	38.73	46.00	-7.27	-5.01	3	Horizontal	360	1.00	43.74	20.83	1.52	27.36
PK	466.5M	31.62	46.00	-14.38	-4.30	3	Horizontal	360	1.00	35.92	22.04	1.63	27.97

**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	5.1482G	73.22	74.00	-0.78	3	Horizontal	28	1.68
802.11be EHT20_Nss1,(MCS0)_3TX	Pass	AV	5.1496G	53.01	54.00	-0.99	3	Horizontal	27	1.61
802.11be EHT40_Nss1,(MCS0)_3TX	Pass	AV	5.1492G	52.60	54.00	-1.40	3	Horizontal	33	2.45
802.11be EHT80_Nss1,(MCS0)_3TX	Pass	AV	5.147G	52.69	54.00	-1.31	3	Horizontal	328	2.48
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	Pass	AV	11.49024G	49.27	54.00	-4.73	3	Horizontal	309	2.06
802.11be EHT20_Nss1,(MCS0)_3TX	Pass	AV	11.48862G	48.78	54.00	-5.22	3	Horizontal	296	2.41
802.11be EHT40_Nss1,(MCS0)_3TX	Pass	PK	5.6462G	66.03	68.20	-2.17	3	Horizontal	34	1.49
802.11be EHT80_Nss1,(MCS0)_3TX	Pass	PK	5.6466G	66.28	68.20	-1.92	3	Horizontal	36	1.63

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	5.15G	47.53	54.00	-6.47	3	Vertical	33	1.00
5180MHz	Pass	AV	5.179G	103.46	Inf	-Inf	3	Vertical	33	1.00
5180MHz	Pass	PK	5.1494G	66.63	74.00	-7.37	3	Vertical	33	1.00
5180MHz	Pass	PK	5.179G	112.22	Inf	-Inf	3	Vertical	33	1.00
5180MHz	Pass	AV	5.148G	50.95	54.00	-3.05	3	Horizontal	28	1.68
5180MHz	Pass	AV	5.1778G	107.07	Inf	-Inf	3	Horizontal	28	1.68
5180MHz	Pass	PK	5.1482G	73.22	74.00	-0.78	3	Horizontal	28	1.68
5180MHz	Pass	PK	5.1774G	116.59	Inf	-Inf	3	Horizontal	28	1.68
5180MHz	Pass	PK	10.36636G	55.83	68.20	-12.37	3	Vertical	61	1.56
5180MHz	Pass	PK	10.362G	53.94	68.20	-14.26	3	Horizontal	304	1.56
5200MHz	Pass	AV	5.1452G	46.26	54.00	-7.74	3	Vertical	36	1.08
5200MHz	Pass	AV	5.2036G	105.16	Inf	-Inf	3	Vertical	36	1.08
5200MHz	Pass	PK	5.1436G	62.89	74.00	-11.11	3	Vertical	36	1.08
5200MHz	Pass	PK	5.204G	114.98	Inf	-Inf	3	Vertical	36	1.08
5200MHz	Pass	AV	5.144G	52.42	54.00	-1.58	3	Horizontal	27	1.70
5200MHz	Pass	AV	5.2024G	109.78	Inf	-Inf	3	Horizontal	27	1.70
5200MHz	Pass	PK	5.1448G	70.49	74.00	-3.51	3	Horizontal	27	1.70
5200MHz	Pass	PK	5.2024G	119.32	Inf	-Inf	3	Horizontal	27	1.70
5200MHz	Pass	PK	10.40148G	62.01	68.20	-6.19	3	Vertical	60	1.57
5200MHz	Pass	PK	10.39996G	57.84	68.20	-10.36	3	Horizontal	26	1.50
5240MHz	Pass	AV	5.1488G	44.87	54.00	-9.13	3	Vertical	41	1.67
5240MHz	Pass	AV	5.2442G	107.89	Inf	-Inf	3	Vertical	41	1.67
5240MHz	Pass	AV	5.3534G	44.71	54.00	-9.29	3	Vertical	41	1.67
5240MHz	Pass	PK	5.1476G	61.98	74.00	-12.02	3	Vertical	41	1.67
5240MHz	Pass	PK	5.243G	119.34	Inf	-Inf	3	Vertical	41	1.67
5240MHz	Pass	PK	5.3534G	60.79	74.00	-13.21	3	Vertical	41	1.67
5240MHz	Pass	AV	5.1434G	47.34	54.00	-6.66	3	Horizontal	28	1.85
5240MHz	Pass	AV	5.2424G	112.21	Inf	-Inf	3	Horizontal	28	1.85
5240MHz	Pass	AV	5.351G	46.37	54.00	-7.63	3	Horizontal	28	1.85
5240MHz	Pass	PK	5.141G	65.45	74.00	-8.55	3	Horizontal	28	1.85
5240MHz	Pass	PK	5.2418G	123.44	Inf	-Inf	3	Horizontal	28	1.85
5240MHz	Pass	PK	5.3606G	63.80	74.00	-10.20	3	Horizontal	28	1.85
5240MHz	Pass	PK	10.47728G	66.41	68.20	-1.79	3	Vertical	62	1.59
5240MHz	Pass	PK	10.48064G	63.53	68.20	-4.67	3	Horizontal	25	1.47
5745MHz	Pass	AV	5.4582G	41.13	54.00	-12.87	3	Vertical	306	1.73
5745MHz	Pass	AV	5.7474G	110.20	Inf	-Inf	3	Vertical	306	1.73
5745MHz	Pass	PK	5.6466G	58.49	68.20	-9.71	3	Vertical	306	1.73
5745MHz	Pass	PK	5.7474G	120.74	Inf	-Inf	3	Vertical	306	1.73
5745MHz	Pass	PK	6.0246G	56.73	68.20	-11.47	3	Vertical	306	1.73
5745MHz	Pass	AV	5.457G	41.39	54.00	-12.61	3	Horizontal	34	1.82
5745MHz	Pass	AV	5.7474G	113.63	Inf	-Inf	3	Horizontal	34	1.82
5745MHz	Pass	PK	5.6466G	62.47	68.20	-5.73	3	Horizontal	34	1.82
5745MHz	Pass	PK	5.7474G	124.01	Inf	-Inf	3	Horizontal	34	1.82
5745MHz	Pass	PK	5.9922G	57.21	68.20	-10.99	3	Horizontal	34	1.82
5745MHz	Pass	AV	11.49072G	44.83	54.00	-9.17	3	Vertical	26	1.74
5745MHz	Pass	PK	11.4912G	57.48	74.00	-16.52	3	Vertical	26	1.74
5745MHz	Pass	AV	11.49024G	49.27	54.00	-4.73	3	Horizontal	309	2.06
5745MHz	Pass	PK	11.4897G	62.67	74.00	-11.33	3	Horizontal	309	2.06
5785MHz	Pass	AV	5.7874G	110.72	Inf	-Inf	3	Vertical	306	1.80
5785MHz	Pass	PK	5.6278G	56.48	68.20	-11.72	3	Vertical	306	1.80
5785MHz	Pass	PK	5.7874G	121.02	Inf	-Inf	3	Vertical	306	1.80
5785MHz	Pass	PK	5.9566G	57.11	68.20	-11.09	3	Vertical	306	1.80
5785MHz	Pass	AV	5.7862G	113.90	Inf	-Inf	3	Horizontal	327	1.80
5785MHz	Pass	PK	5.6242G	56.37	68.20	-11.83	3	Horizontal	327	1.80
5785MHz	Pass	PK	5.7862G	124.38	Inf	-Inf	3	Horizontal	327	1.80
5785MHz	Pass	PK	6.0718G	56.35	68.20	-11.85	3	Horizontal	327	1.80
5785MHz	Pass	AV	11.57264G	45.47	54.00	-8.53	3	Vertical	317	1.98
5785MHz	Pass	PK	11.5739G	58.13	74.00	-15.87	3	Vertical	317	1.98
5785MHz	Pass	AV	11.5685G	48.50	54.00	-5.50	3	Horizontal	310	1.92
5785MHz	Pass	PK	11.56724G	62.13	74.00	-11.87	3	Horizontal	310	1.92

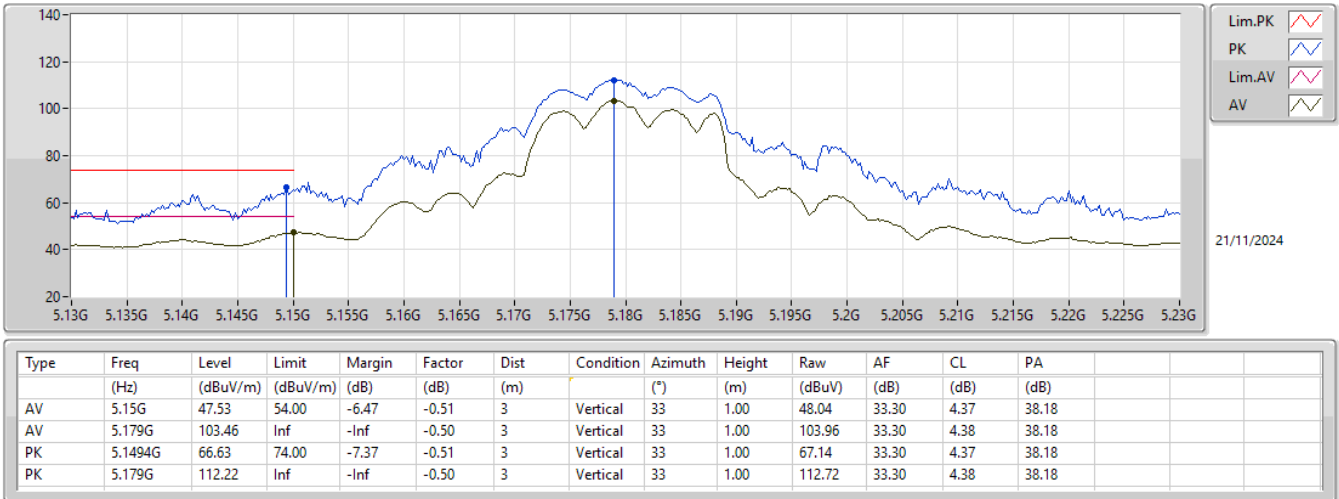
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5825MHz	Pass	AV	5.8274G	110.47	Inf	-Inf	3	Vertical	308	1.80
5825MHz	Pass	PK	5.6438G	54.62	68.20	-13.58	3	Vertical	308	1.80
5825MHz	Pass	PK	5.8178G	121.42	Inf	-Inf	3	Vertical	308	1.80
5825MHz	Pass	PK	6.0398G	57.15	68.20	-11.05	3	Vertical	308	1.80
5825MHz	Pass	AV	5.8238G	114.07	Inf	-Inf	3	Horizontal	330	1.80
5825MHz	Pass	PK	5.651G	55.62	68.94	-13.32	3	Horizontal	330	1.80
5825MHz	Pass	PK	5.8262G	124.25	Inf	-Inf	3	Horizontal	330	1.80
5825MHz	Pass	PK	5.9042G	75.83	83.59	-7.76	3	Horizontal	330	1.80
5825MHz	Pass	AV	11.65282G	45.84	54.00	-8.16	3	Vertical	317	2.08
5825MHz	Pass	PK	11.65186G	58.65	74.00	-15.35	3	Vertical	317	2.08
5825MHz	Pass	AV	11.6473G	47.69	54.00	-6.31	3	Horizontal	309	1.86
5825MHz	Pass	PK	11.64688G	60.53	74.00	-13.47	3	Horizontal	309	1.86
802.11be EHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1466G	43.83	54.00	-10.17	3	Vertical	33	2.58
5180MHz	Pass	AV	5.1818G	101.63	Inf	-Inf	3	Vertical	33	2.58
5180MHz	Pass	PK	5.1466G	59.73	74.00	-14.27	3	Vertical	33	2.58
5180MHz	Pass	PK	5.1826G	112.97	Inf	-Inf	3	Vertical	33	2.58
5180MHz	Pass	AV	5.15G	51.68	54.00	-2.32	3	Horizontal	324	2.18
5180MHz	Pass	AV	5.1774G	106.24	Inf	-Inf	3	Horizontal	324	2.18
5180MHz	Pass	PK	5.1498G	71.52	74.00	-2.48	3	Horizontal	324	2.18
5180MHz	Pass	PK	5.1778G	117.88	Inf	-Inf	3	Horizontal	324	2.18
5180MHz	Pass	PK	10.36536G	55.09	68.20	-13.11	3	Vertical	64	1.67
5180MHz	Pass	PK	10.36896G	53.08	68.20	-15.12	3	Horizontal	14	1.73
5200MHz	Pass	AV	5.1488G	45.39	54.00	-8.61	3	Vertical	40	2.88
5200MHz	Pass	AV	5.2016G	104.33	Inf	-Inf	3	Vertical	40	2.88
5200MHz	Pass	PK	5.1456G	61.83	74.00	-12.17	3	Vertical	40	2.88
5200MHz	Pass	PK	5.1968G	115.54	Inf	-Inf	3	Vertical	40	2.88
5200MHz	Pass	AV	5.1496G	53.01	54.00	-0.99	3	Horizontal	27	1.61
5200MHz	Pass	AV	5.1996G	108.05	Inf	-Inf	3	Horizontal	27	1.61
5200MHz	Pass	PK	5.1468G	68.68	74.00	-5.32	3	Horizontal	27	1.61
5200MHz	Pass	PK	5.1992G	118.96	Inf	-Inf	3	Horizontal	27	1.61
5200MHz	Pass	PK	10.40024G	61.04	68.20	-7.16	3	Vertical	62	1.57
5200MHz	Pass	PK	10.40008G	55.58	68.20	-12.62	3	Horizontal	27	1.50
5240MHz	Pass	AV	5.1476G	45.04	54.00	-8.96	3	Vertical	48	1.76
5240MHz	Pass	AV	5.2424G	106.92	Inf	-Inf	3	Vertical	48	1.76
5240MHz	Pass	AV	5.3528G	45.04	54.00	-8.96	3	Vertical	48	1.76
5240MHz	Pass	PK	5.15G	62.62	74.00	-11.38	3	Vertical	48	1.76
5240MHz	Pass	PK	5.2376G	118.19	Inf	-Inf	3	Vertical	48	1.76
5240MHz	Pass	PK	5.35G	59.50	74.00	-14.50	3	Vertical	48	1.76
5240MHz	Pass	AV	5.1494G	50.75	54.00	-3.25	3	Horizontal	29	1.70
5240MHz	Pass	AV	5.2394G	111.58	Inf	-Inf	3	Horizontal	29	1.70
5240MHz	Pass	AV	5.35G	49.00	54.00	-5.00	3	Horizontal	29	1.70
5240MHz	Pass	PK	5.1374G	67.29	74.00	-6.71	3	Horizontal	29	1.70
5240MHz	Pass	PK	5.2394G	121.44	Inf	-Inf	3	Horizontal	29	1.70
5240MHz	Pass	PK	5.354G	65.21	74.00	-8.79	3	Horizontal	29	1.70
5240MHz	Pass	PK	10.48736G	63.20	68.20	-5.00	3	Vertical	64	1.67
5240MHz	Pass	PK	10.47984G	62.45	68.20	-5.75	3	Horizontal	23	1.41
5745MHz	Pass	AV	5.4582G	41.64	54.00	-12.36	3	Vertical	309	1.58
5745MHz	Pass	AV	5.7426G	110.01	Inf	-Inf	3	Vertical	309	1.58
5745MHz	Pass	PK	5.6478G	57.99	68.20	-10.21	3	Vertical	309	1.58
5745MHz	Pass	PK	5.7426G	120.19	Inf	-Inf	3	Vertical	309	1.58
5745MHz	Pass	PK	6.0006G	56.19	68.20	-12.01	3	Vertical	309	1.58
5745MHz	Pass	AV	5.4594G	42.02	54.00	-11.98	3	Horizontal	32	1.33
5745MHz	Pass	AV	5.7462G	112.91	Inf	-Inf	3	Horizontal	32	1.33
5745MHz	Pass	PK	5.6502G	62.78	68.35	-5.57	3	Horizontal	32	1.33
5745MHz	Pass	PK	5.7414G	122.78	Inf	-Inf	3	Horizontal	32	1.33
5745MHz	Pass	PK	5.9766G	56.61	68.20	-11.59	3	Horizontal	32	1.33
5745MHz	Pass	AV	11.49072G	44.93	54.00	-9.07	3	Vertical	327	1.39
5745MHz	Pass	PK	11.4903G	57.24	74.00	-16.76	3	Vertical	327	1.39
5745MHz	Pass	AV	11.48862G	48.78	54.00	-5.22	3	Horizontal	296	2.41
5745MHz	Pass	PK	11.49384G	60.57	74.00	-13.43	3	Horizontal	296	2.41
5785MHz	Pass	AV	5.7826G	109.81	Inf	-Inf	3	Vertical	313	1.61

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5785MHz	Pass	PK	5.5426G	55.43	68.20	-12.77	3	Vertical	313	1.61
5785MHz	Pass	PK	5.7826G	120.41	Inf	-Inf	3	Vertical	313	1.61
5785MHz	Pass	PK	5.9326G	56.19	68.20	-12.01	3	Vertical	313	1.61
5785MHz	Pass	AV	5.7862G	112.46	Inf	-Inf	3	Horizontal	33	1.49
5785MHz	Pass	PK	5.6278G	55.41	68.20	-12.79	3	Horizontal	33	1.49
5785MHz	Pass	PK	5.7862G	123.73	Inf	-Inf	3	Horizontal	33	1.49
5785MHz	Pass	PK	6.0238G	57.16	68.20	-11.04	3	Horizontal	33	1.49
5785MHz	Pass	AV	11.56838G	44.32	54.00	-9.68	3	Vertical	342	1.57
5785MHz	Pass	PK	11.57024G	55.63	74.00	-18.37	3	Vertical	342	1.57
5785MHz	Pass	AV	11.5709G	47.88	54.00	-6.12	3	Horizontal	41	1.50
5785MHz	Pass	PK	11.57054G	58.97	74.00	-15.03	3	Horizontal	41	1.50
5825MHz	Pass	AV	5.8274G	109.98	Inf	-Inf	3	Vertical	312	1.65
5825MHz	Pass	PK	5.5874G	54.60	68.20	-13.60	3	Vertical	312	1.65
5825MHz	Pass	PK	5.8274G	120.49	Inf	-Inf	3	Vertical	312	1.65
5825MHz	Pass	PK	5.9366G	57.46	68.20	-10.74	3	Vertical	312	1.65
5825MHz	Pass	AV	5.8262G	112.80	Inf	-Inf	3	Horizontal	32	1.45
5825MHz	Pass	PK	5.6462G	54.73	68.20	-13.47	3	Horizontal	32	1.45
5825MHz	Pass	PK	5.8262G	122.39	Inf	-Inf	3	Horizontal	32	1.45
5825MHz	Pass	PK	5.9966G	57.50	68.20	-10.70	3	Horizontal	32	1.45
5825MHz	Pass	AV	11.64874G	44.56	54.00	-9.44	3	Vertical	353	1.47
5825MHz	Pass	PK	11.65354G	56.05	74.00	-17.95	3	Vertical	353	1.47
5825MHz	Pass	AV	11.64958G	47.38	54.00	-6.62	3	Horizontal	308	2.05
5825MHz	Pass	PK	11.6464G	59.15	74.00	-14.85	3	Horizontal	308	2.05
802.11be EHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1468G	46.69	54.00	-7.31	3	Vertical	36	2.87
5190MHz	Pass	AV	5.192G	98.87	Inf	-Inf	3	Vertical	36	2.87
5190MHz	Pass	PK	5.1468G	59.72	74.00	-14.28	3	Vertical	36	2.87
5190MHz	Pass	PK	5.1916G	110.68	Inf	-Inf	3	Vertical	36	2.87
5190MHz	Pass	AV	5.1496G	51.95	54.00	-2.05	3	Horizontal	28	2.68
5190MHz	Pass	AV	5.1916G	103.22	Inf	-Inf	3	Horizontal	28	2.68
5190MHz	Pass	PK	5.1452G	65.95	74.00	-8.05	3	Horizontal	28	2.68
5190MHz	Pass	PK	5.1916G	114.11	Inf	-Inf	3	Horizontal	28	2.68
5190MHz	Pass	PK	10.39424G	53.92	68.20	-14.28	3	Vertical	60	1.62
5190MHz	Pass	PK	10.38448G	51.97	68.20	-16.23	3	Horizontal	311	1.63
5230MHz	Pass	AV	5.15G	46.61	54.00	-7.39	3	Vertical	51	1.81
5230MHz	Pass	AV	5.232G	102.13	Inf	-Inf	3	Vertical	51	1.81
5230MHz	Pass	PK	5.1372G	60.52	74.00	-13.48	3	Vertical	51	1.81
5230MHz	Pass	PK	5.2272G	113.15	Inf	-Inf	3	Vertical	51	1.81
5230MHz	Pass	AV	5.1492G	52.60	54.00	-1.40	3	Horizontal	33	2.45
5230MHz	Pass	AV	5.2316G	106.57	Inf	-Inf	3	Horizontal	33	2.45
5230MHz	Pass	PK	5.1448G	68.01	74.00	-5.99	3	Horizontal	33	2.45
5230MHz	Pass	PK	5.2316G	117.73	Inf	-Inf	3	Horizontal	33	2.45
5230MHz	Pass	PK	10.45568G	58.02	68.20	-10.18	3	Vertical	63	1.58
5230MHz	Pass	PK	10.46472G	54.66	68.20	-13.54	3	Horizontal	26	1.44
5755MHz	Pass	AV	5.4586G	41.61	54.00	-12.39	3	Vertical	321	2.17
5755MHz	Pass	AV	5.7574G	106.36	Inf	-Inf	3	Vertical	321	2.17
5755MHz	Pass	PK	5.6422G	64.96	68.20	-3.24	3	Vertical	321	2.17
5755MHz	Pass	PK	5.7574G	117.98	Inf	-Inf	3	Vertical	321	2.17
5755MHz	Pass	PK	5.9674G	55.80	68.20	-12.40	3	Vertical	321	2.17
5755MHz	Pass	AV	5.4598G	41.93	54.00	-12.07	3	Horizontal	38	1.75
5755MHz	Pass	AV	5.7562G	109.21	Inf	-Inf	3	Horizontal	38	1.75
5755MHz	Pass	PK	5.6446G	63.16	68.20	-5.04	3	Horizontal	38	1.75
5755MHz	Pass	PK	5.7538G	120.19	Inf	-Inf	3	Horizontal	38	1.75
5755MHz	Pass	PK	5.9638G	56.09	68.20	-12.11	3	Horizontal	38	1.75
5755MHz	Pass	AV	11.50298G	42.06	54.00	-11.94	3	Vertical	347	1.50
5755MHz	Pass	PK	11.50856G	54.16	74.00	-19.84	3	Vertical	347	1.50
5755MHz	Pass	AV	11.50754G	43.95	54.00	-10.05	3	Horizontal	40	1.48
5755MHz	Pass	PK	11.51246G	56.14	74.00	-17.86	3	Horizontal	40	1.48
5795MHz	Pass	AV	5.7974G	106.76	Inf	-Inf	3	Vertical	322	1.91
5795MHz	Pass	PK	5.6414G	62.80	68.20	-5.40	3	Vertical	322	1.91
5795MHz	Pass	PK	5.7974G	117.61	Inf	-Inf	3	Vertical	322	1.91
5795MHz	Pass	PK	6.023G	56.47	68.20	-11.73	3	Vertical	322	1.91

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5795MHz	Pass	AV	5.7974G	110.98	Inf	-Inf	3	Horizontal	34	1.49
5795MHz	Pass	PK	5.6462G	66.03	68.20	-2.17	3	Horizontal	34	1.49
5795MHz	Pass	PK	5.7998G	121.31	Inf	-Inf	3	Horizontal	34	1.49
5795MHz	Pass	PK	5.987G	56.35	68.20	-11.85	3	Horizontal	34	1.49
5795MHz	Pass	AV	11.59312G	43.28	54.00	-10.72	3	Vertical	342	1.63
5795MHz	Pass	PK	11.58844G	54.97	74.00	-19.03	3	Vertical	342	1.63
5795MHz	Pass	AV	11.5861G	45.42	54.00	-8.58	3	Horizontal	41	1.50
5795MHz	Pass	PK	11.59114G	57.38	74.00	-16.62	3	Horizontal	41	1.50
802.11be EHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.141G	46.23	54.00	-7.77	3	Vertical	31	2.72
5210MHz	Pass	AV	5.202G	92.12	Inf	-Inf	3	Vertical	31	2.72
5210MHz	Pass	AV	5.41G	42.59	54.00	-11.41	3	Vertical	31	2.72
5210MHz	Pass	PK	5.128G	58.37	74.00	-15.63	3	Vertical	31	2.72
5210MHz	Pass	PK	5.217G	103.10	Inf	-Inf	3	Vertical	31	2.72
5210MHz	Pass	PK	5.425G	54.84	74.00	-19.16	3	Vertical	31	2.72
5210MHz	Pass	AV	5.147G	52.69	54.00	-1.31	3	Horizontal	328	2.48
5210MHz	Pass	AV	5.212G	96.80	Inf	-Inf	3	Horizontal	328	2.48
5210MHz	Pass	AV	5.456G	42.98	54.00	-11.02	3	Horizontal	328	2.48
5210MHz	Pass	PK	5.128G	65.16	74.00	-8.84	3	Horizontal	328	2.48
5210MHz	Pass	PK	5.202G	108.72	Inf	-Inf	3	Horizontal	328	2.48
5210MHz	Pass	PK	5.419G	54.74	74.00	-19.26	3	Horizontal	328	2.48
5210MHz	Pass	PK	10.42432G	51.22	68.20	-16.98	3	Vertical	64	1.68
5210MHz	Pass	PK	10.45296G	51.02	68.20	-17.18	3	Horizontal	10	3.00
5775MHz	Pass	AV	5.7714G	101.45	Inf	-Inf	3	Vertical	320	1.50
5775MHz	Pass	PK	5.6514G	64.46	69.24	-4.78	3	Vertical	320	1.50
5775MHz	Pass	PK	5.7666G	112.48	Inf	-Inf	3	Vertical	320	1.50
5775MHz	Pass	PK	5.9502G	56.83	68.20	-11.37	3	Vertical	320	1.50
5775MHz	Pass	AV	5.7774G	104.53	Inf	-Inf	3	Horizontal	36	1.63
5775MHz	Pass	PK	5.6466G	66.28	68.20	-1.92	3	Horizontal	36	1.63
5775MHz	Pass	PK	5.7738G	114.80	Inf	-Inf	3	Horizontal	36	1.63
5775MHz	Pass	PK	6.0606G	56.57	68.20	-11.63	3	Horizontal	36	1.63
5775MHz	Pass	AV	11.56428G	40.36	54.00	-13.64	3	Vertical	344	1.60
5775MHz	Pass	PK	11.538G	52.71	74.00	-21.29	3	Vertical	344	1.60
5775MHz	Pass	AV	11.54652G	42.06	54.00	-11.94	3	Horizontal	272	1.20
5775MHz	Pass	PK	11.55714G	53.71	74.00	-20.29	3	Horizontal	272	1.20

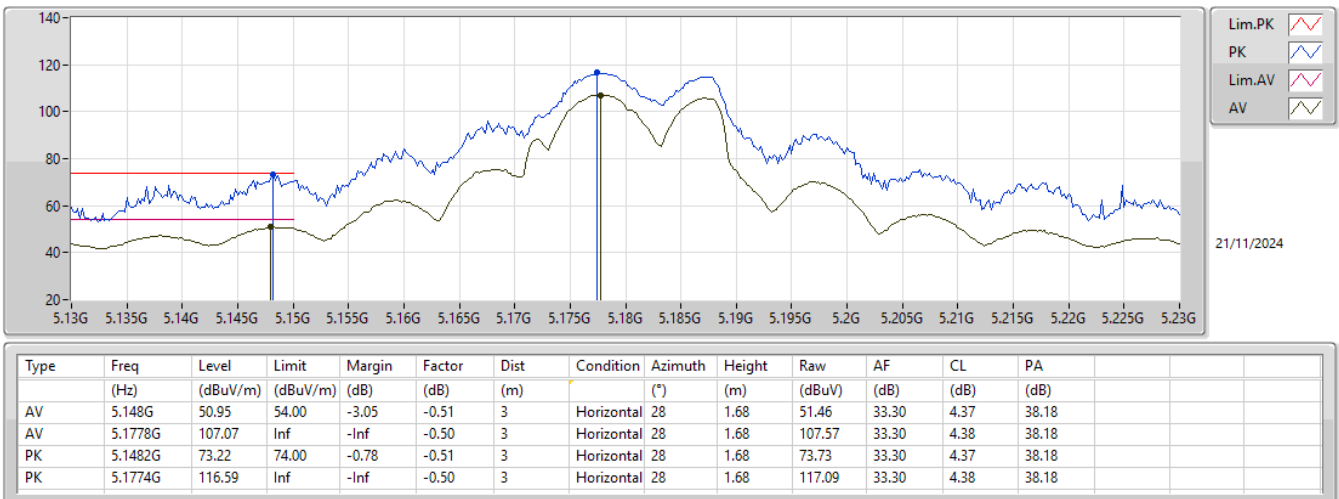
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_3TX

5180MHz_TX



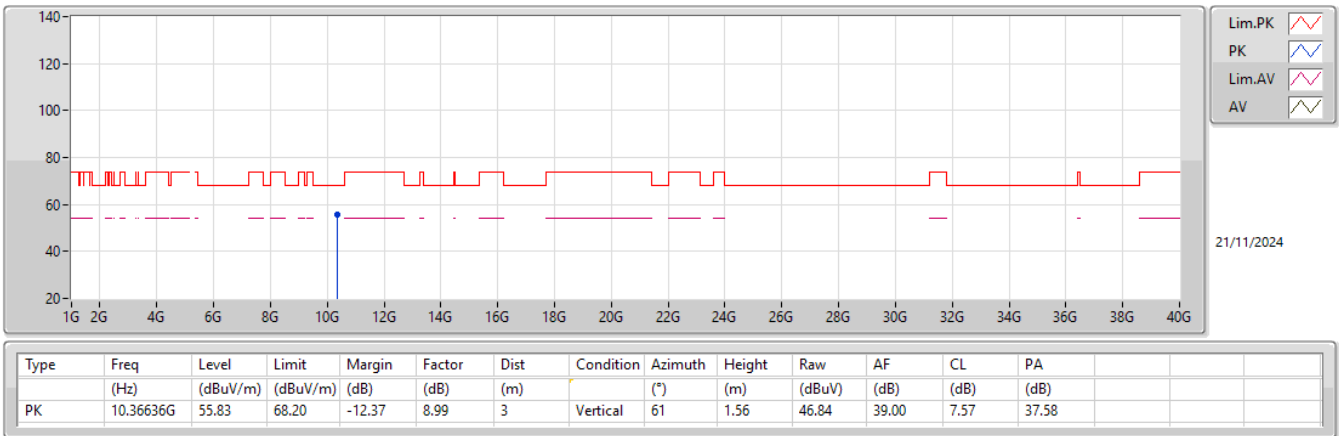
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_3TX

5180MHz_TX



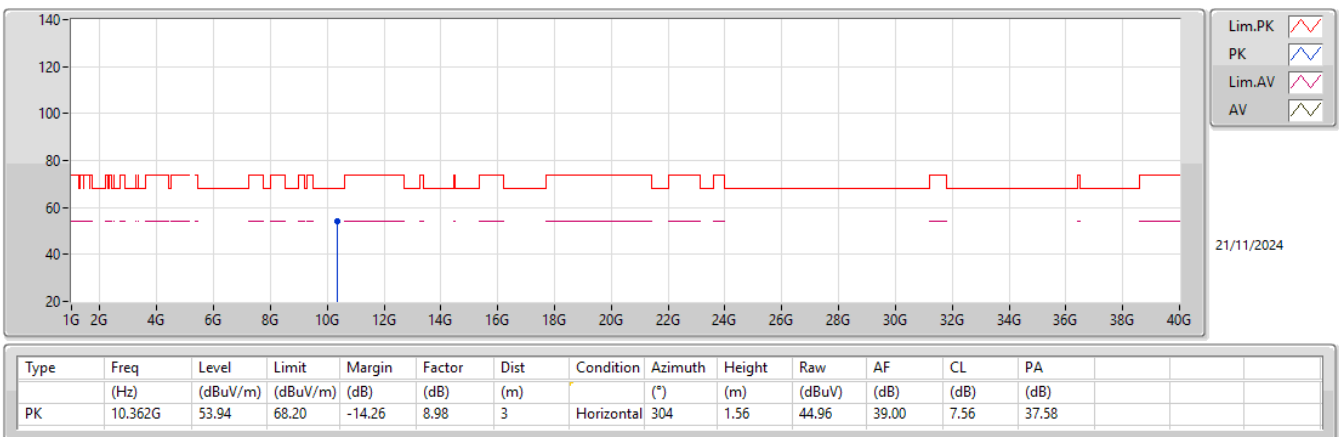
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_3TX

5180MHz_TX



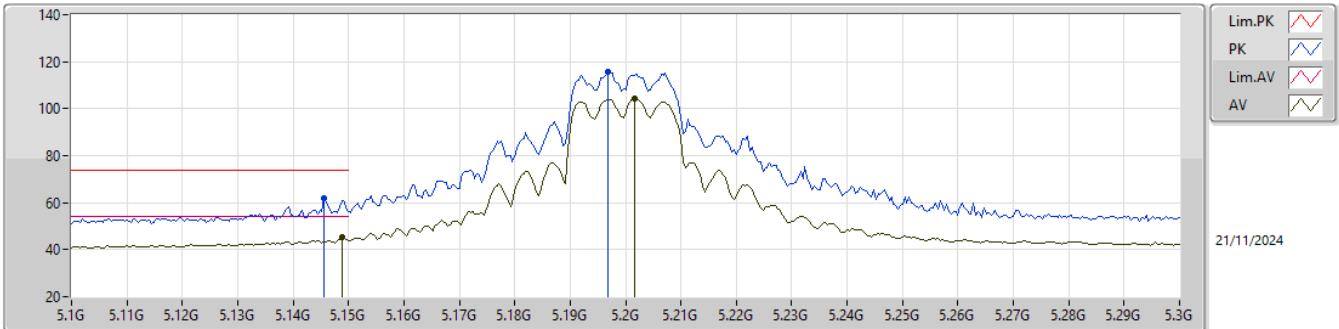
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_3TX

5180MHz_TX



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

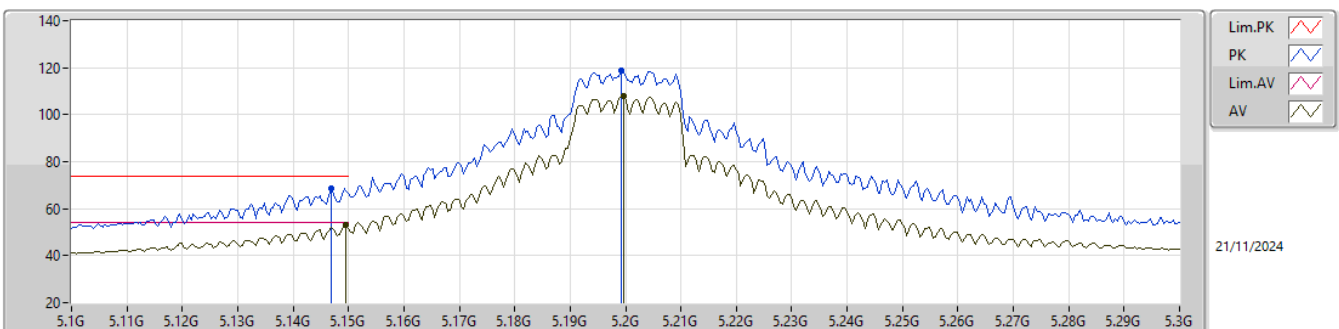
5200MHz_TX



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	5.1488G	45.39	54.00	-8.61	-0.51	3	Vertical	40	2.88	45.90	33.30	4.37	38.18
AV	5.2016G	104.33	Inf	-Inf	-0.49	3	Vertical	40	2.88	104.82	33.30	4.39	38.18
PK	5.1456G	61.83	74.00	-12.17	-0.52	3	Vertical	40	2.88	62.35	33.29	4.37	38.18
PK	5.1968G	115.54	Inf	-Inf	-0.49	3	Vertical	40	2.88	116.03	33.30	4.39	38.18

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

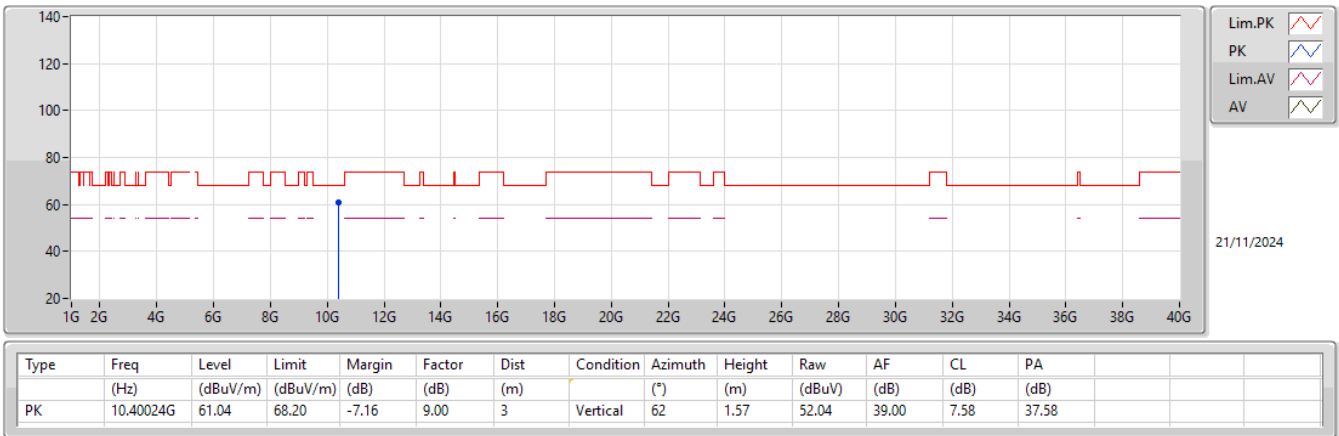
5200MHz_TX



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	53.01	54.00	-0.99	-0.51	3	Horizontal	27	1.61	53.52	33.30	4.37	38.18
AV	5.1996G	108.05	Inf	-Inf	-0.49	3	Horizontal	27	1.61	108.54	33.30	4.39	38.18
PK	5.1468G	68.68	74.00	-5.32	-0.52	3	Horizontal	27	1.61	69.20	33.29	4.37	38.18
PK	5.1992G	118.96	Inf	-Inf	-0.49	3	Horizontal	27	1.61	119.45	33.30	4.39	38.18

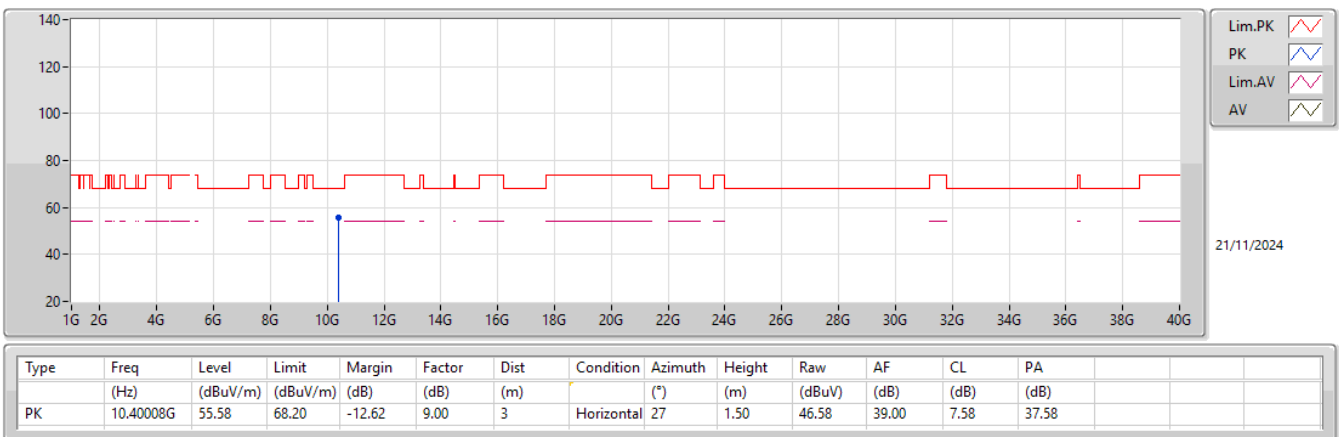
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_3TX

5200MHz_TX



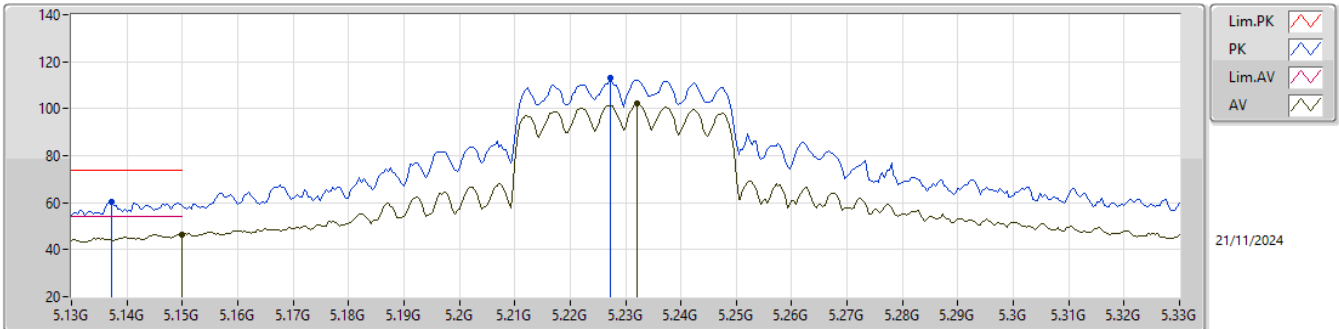
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_3TX

5200MHz_TX



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

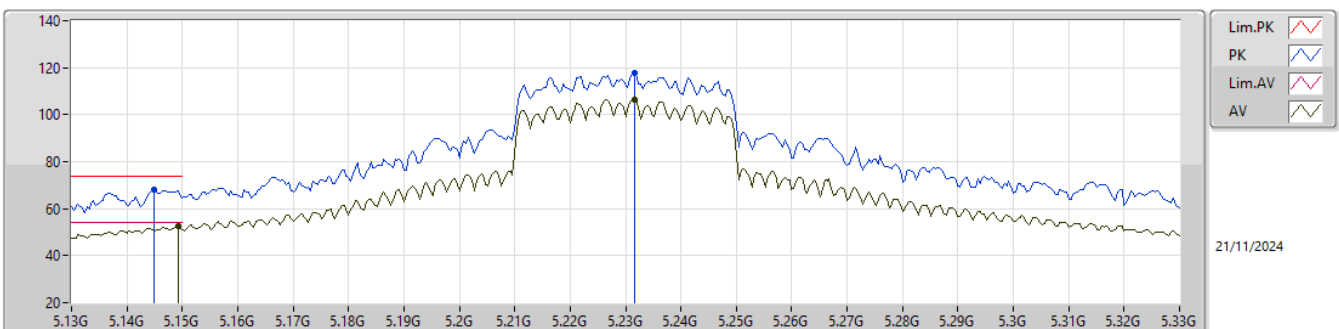
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	5.15G	46.61	54.00	-7.39	-0.51	3	Vertical	51	1.81	47.12	33.30	4.37	38.18
AV	5.232G	102.13	Inf	-Inf	-0.51	3	Vertical	51	1.81	102.64	33.24	4.43	38.18
PK	5.1372G	60.52	74.00	-13.48	-0.55	3	Vertical	51	1.81	61.07	33.27	4.36	38.18
PK	5.2272G	113.15	Inf	-Inf	-0.51	3	Vertical	51	1.81	113.66	33.25	4.42	38.18

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

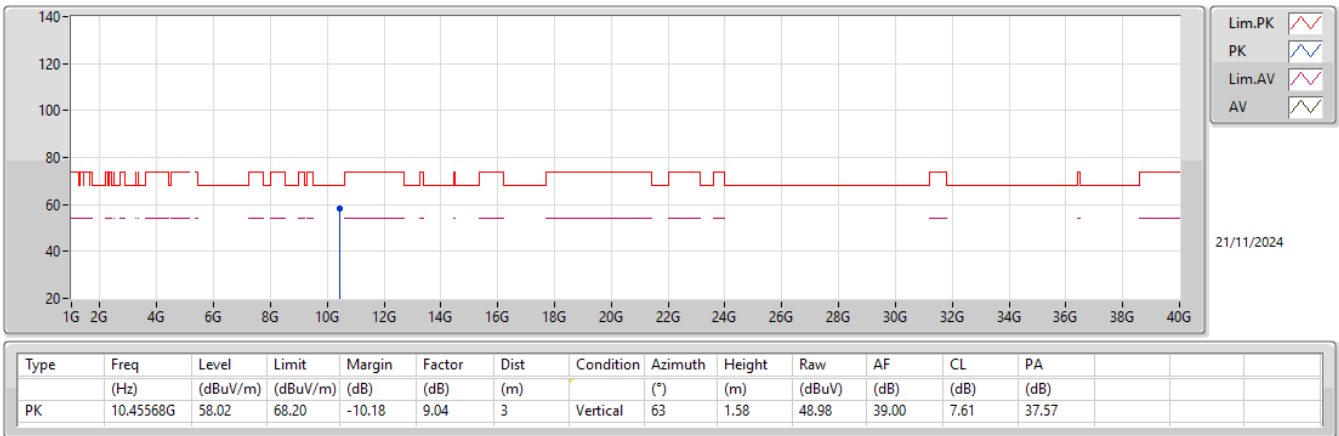
5230MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	5.1492G	52.60	54.00	-1.40	-0.51	3	Horizontal	33	2.45	53.11	33.30	4.37	38.18
AV	5.2316G	106.57	Inf	-Inf	-0.51	3	Horizontal	33	2.45	107.08	33.24	4.43	38.18
PK	5.1448G	68.01	74.00	-5.99	-0.52	3	Horizontal	33	2.45	68.53	33.29	4.37	38.18
PK	5.2316G	117.73	Inf	-Inf	-0.51	3	Horizontal	33	2.45	118.24	33.24	4.43	38.18

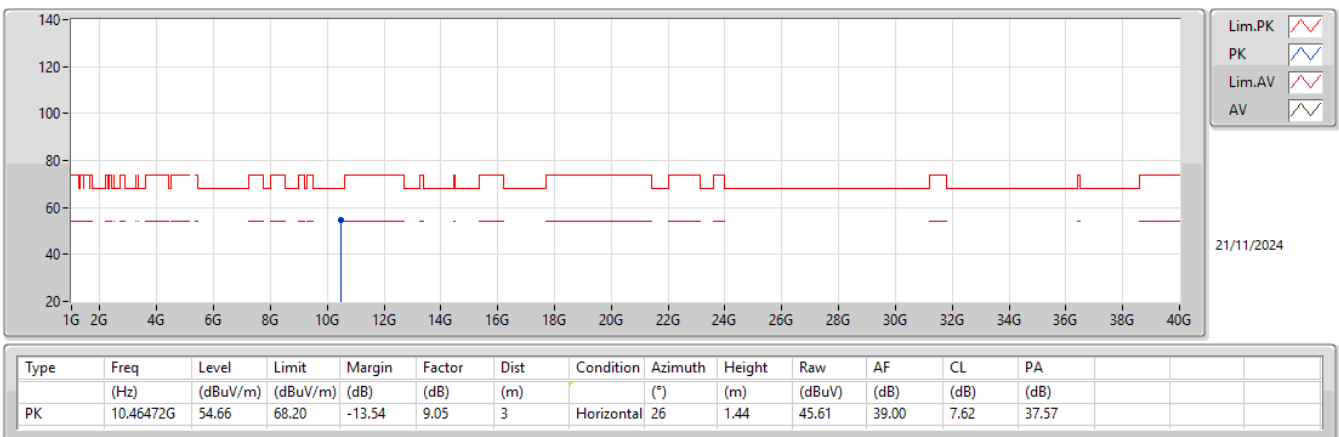
5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_3TX

5230MHz_TX



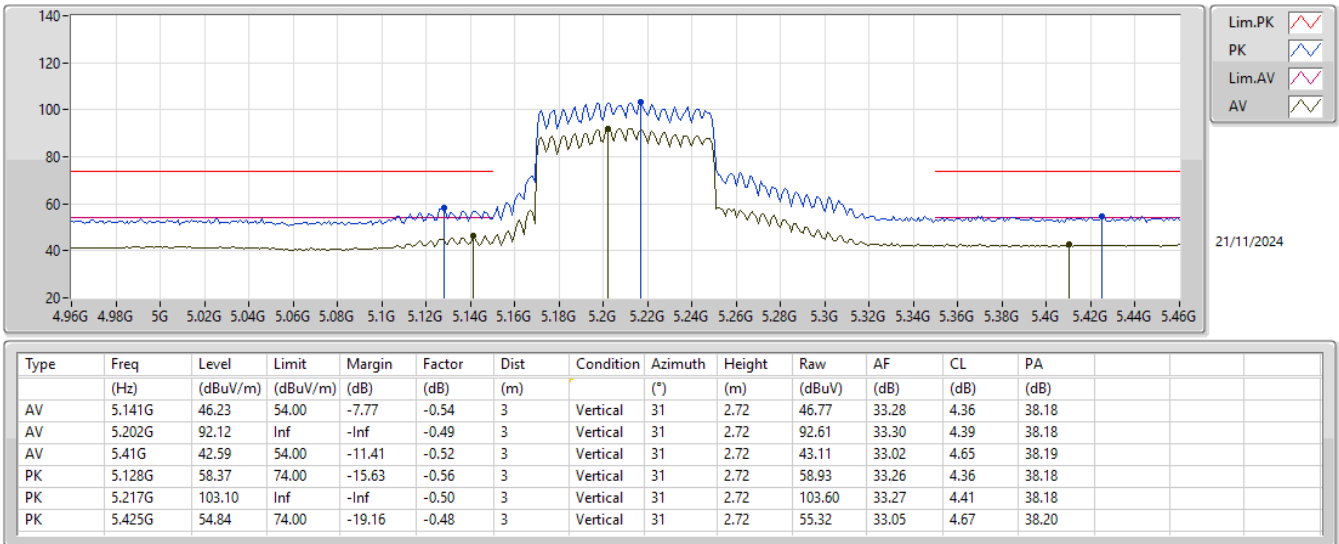
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5230MHz_TX



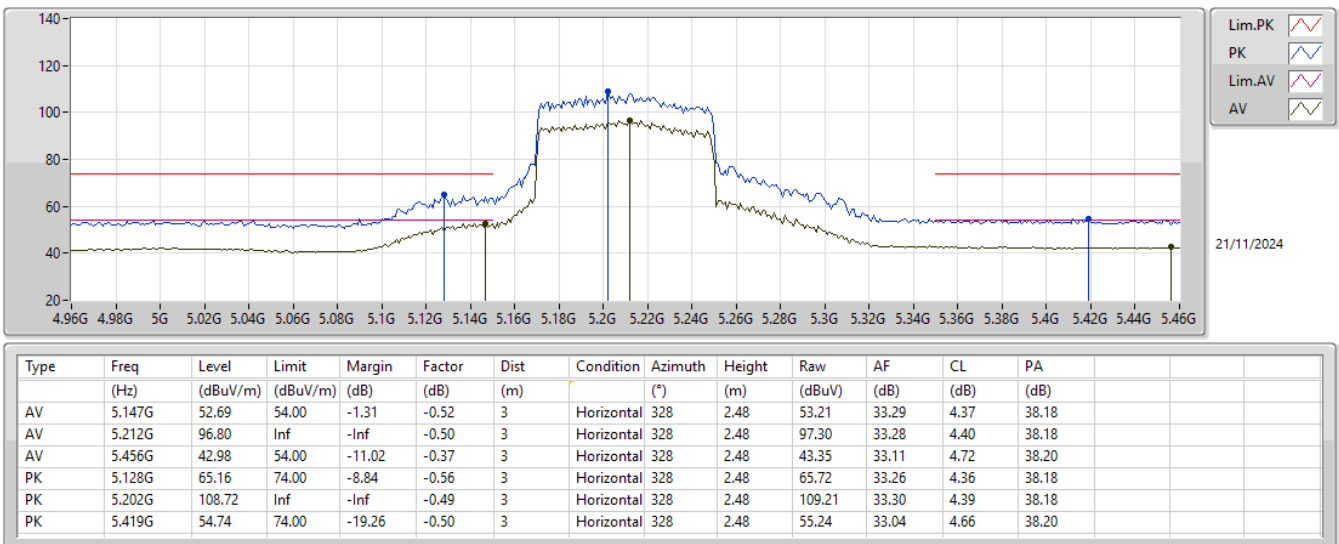
5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_3TX

5210MHz_TX



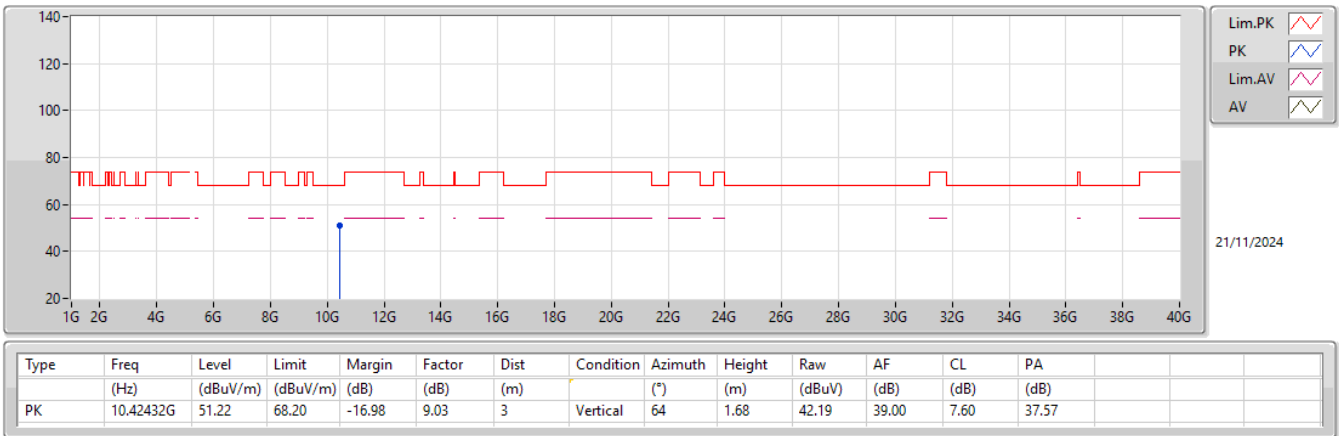
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5210MHz_TX



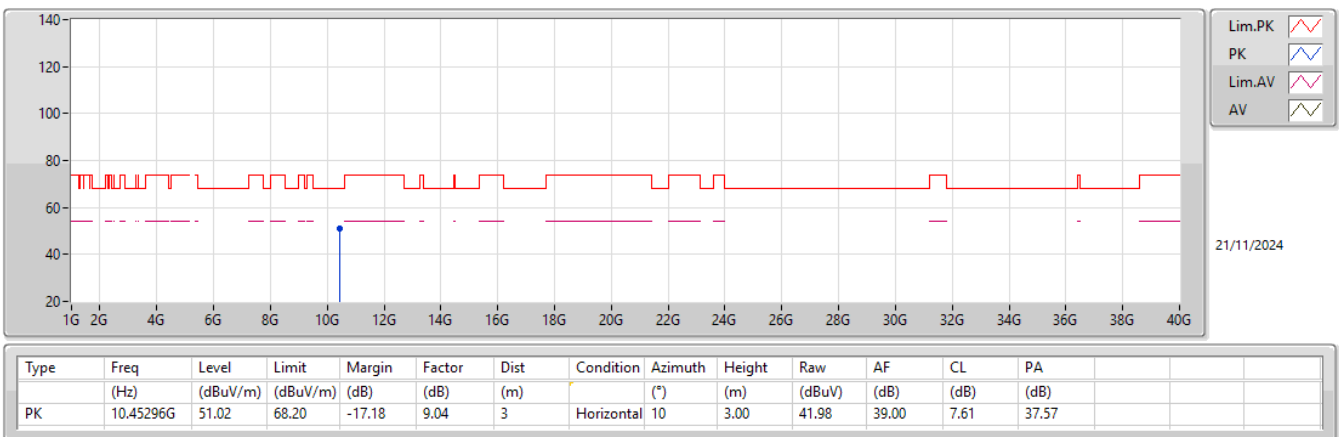
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5210MHz_TX



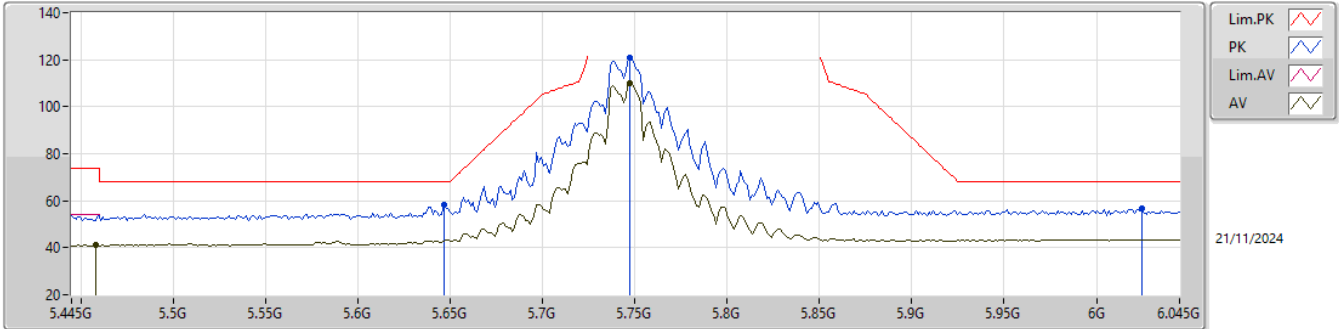
5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_3TX

5210MHz_TX



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

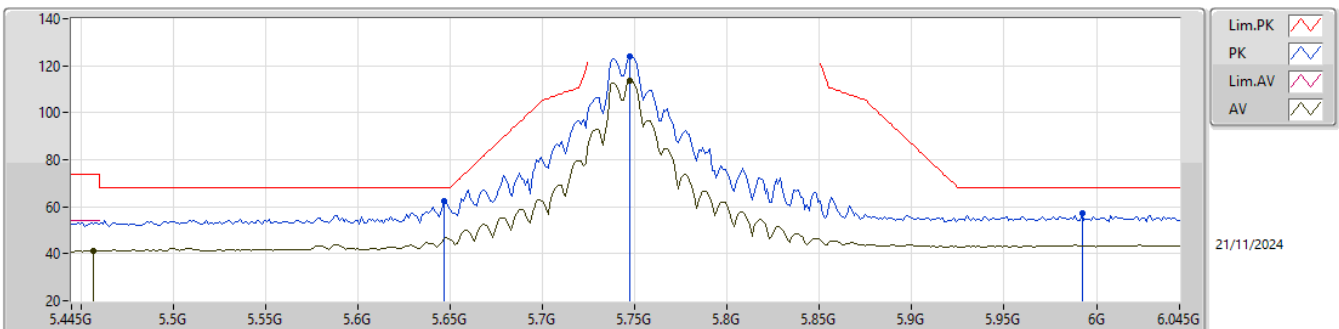
5745MHz_TX



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	5.4582G	41.13	54.00	-12.87	-0.36	3	Vertical	306	1.73	41.49	33.12	4.72	38.20				
AV	5.7474G	110.20	Inf	-Inf	1.08	3	Vertical	306	1.73	109.12	34.09	4.98	37.99				
PK	5.6466G	58.49	68.20	-9.71	0.25	3	Vertical	306	1.73	58.24	33.38	4.95	38.08				
PK	5.7474G	120.74	Inf	-Inf	1.08	3	Vertical	306	1.73	119.66	34.09	4.98	37.99				
PK	5.0246G	56.73	68.20	-11.47	2.03	3	Vertical	306	1.73	54.70	34.50	5.30	37.77				

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

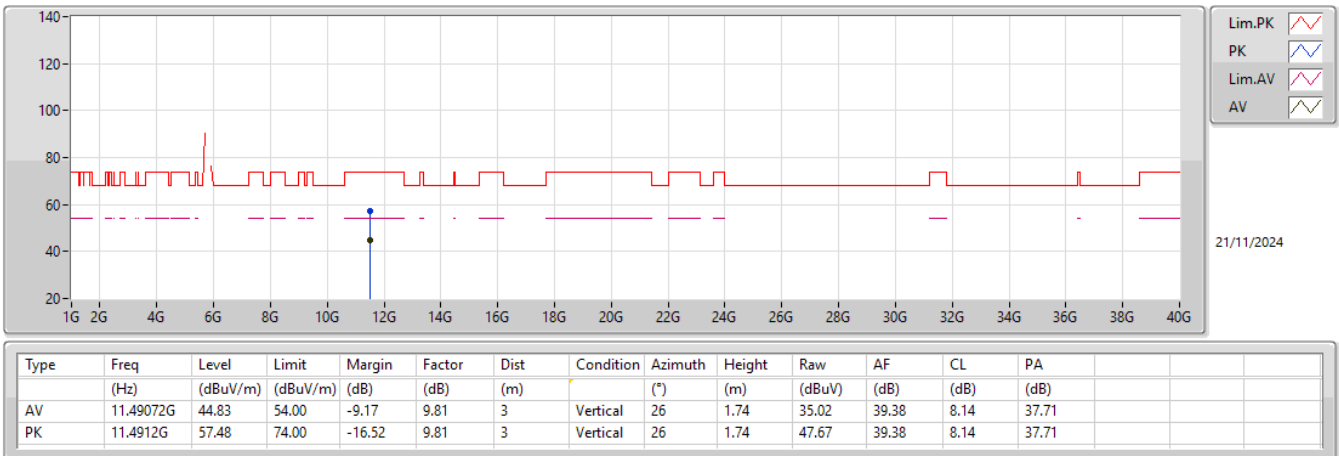
5745MHz_TX



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	5.457G	41.39	54.00	-12.61	-0.37	3	Horizontal	34	1.82	41.76	33.11	4.72	38.20				
AV	5.7474G	113.63	Inf	-Inf	1.08	3	Horizontal	34	1.82	112.55	34.09	4.98	37.99				
PK	5.6466G	62.47	68.20	-5.73	0.25	3	Horizontal	34	1.82	62.22	33.38	4.95	38.08				
PK	5.7474G	124.01	Inf	-Inf	1.08	3	Horizontal	34	1.82	122.93	34.09	4.98	37.99				
PK	5.9922G	57.21	68.20	-10.99	1.99	3	Horizontal	34	1.82	55.22	34.50	5.28	37.79				

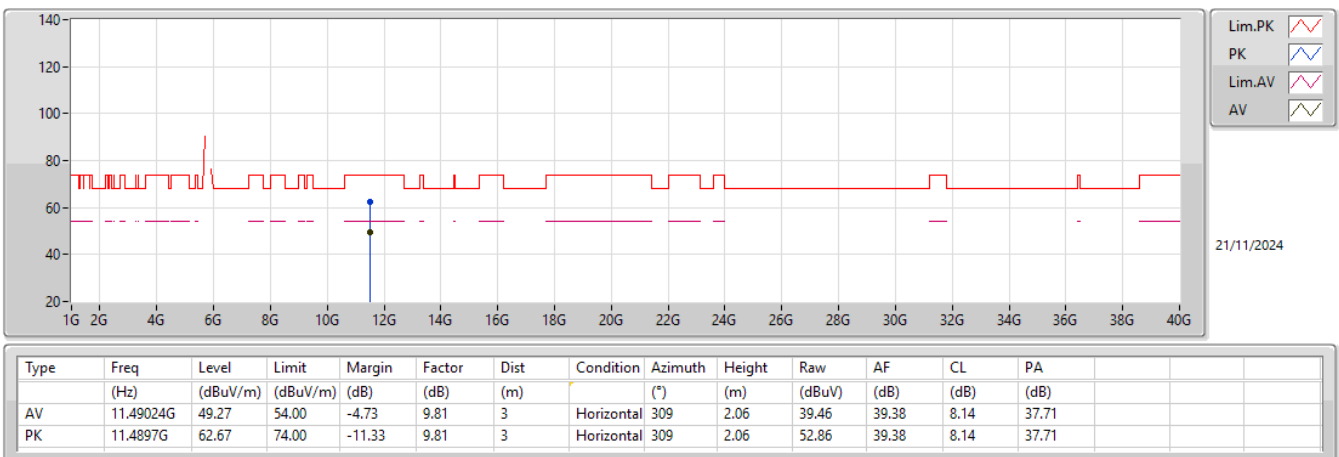
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_3TX

5745MHz_TX



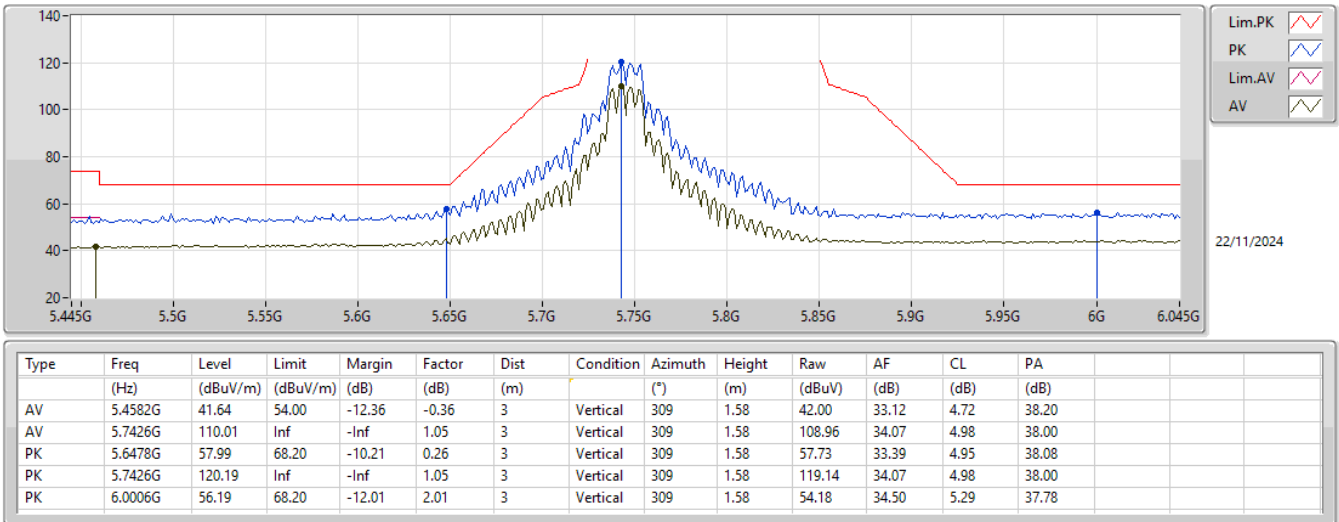
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_3TX

5745MHz_TX



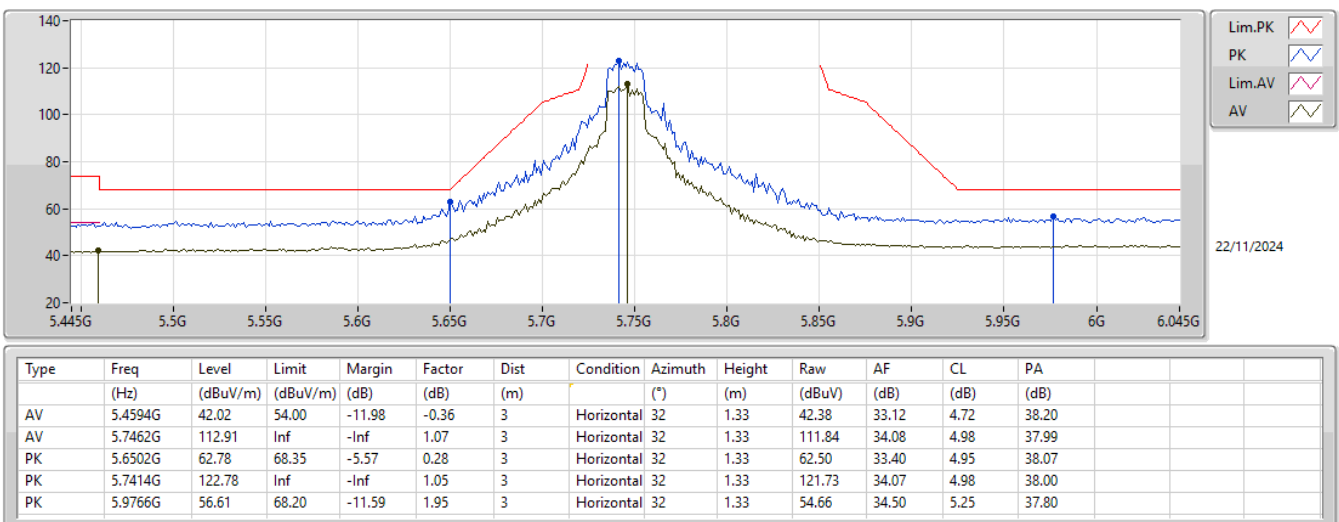
5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_3TX

5745MHz_TX



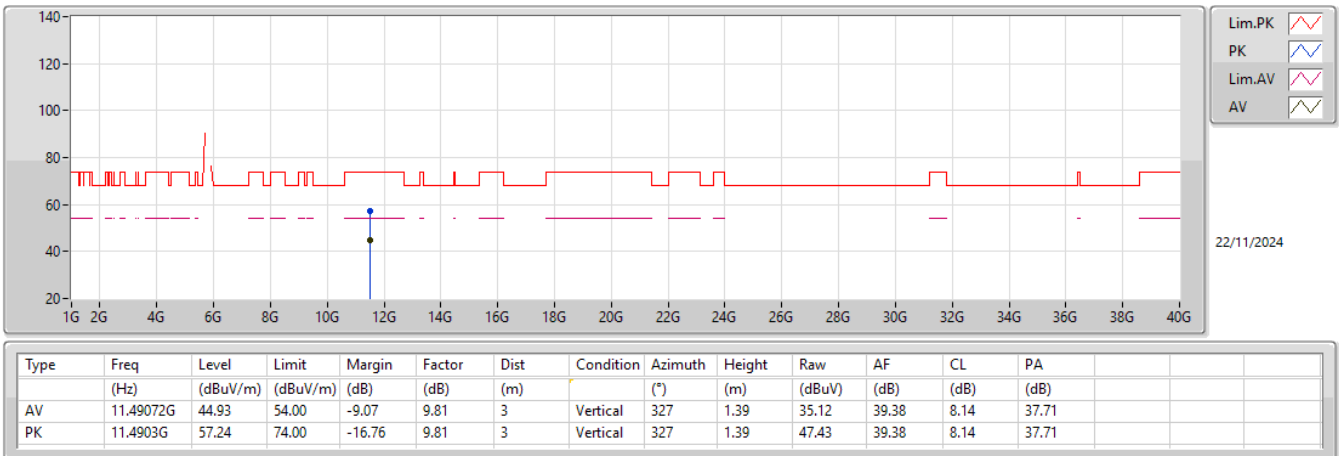
5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_3TX

5745MHz_TX



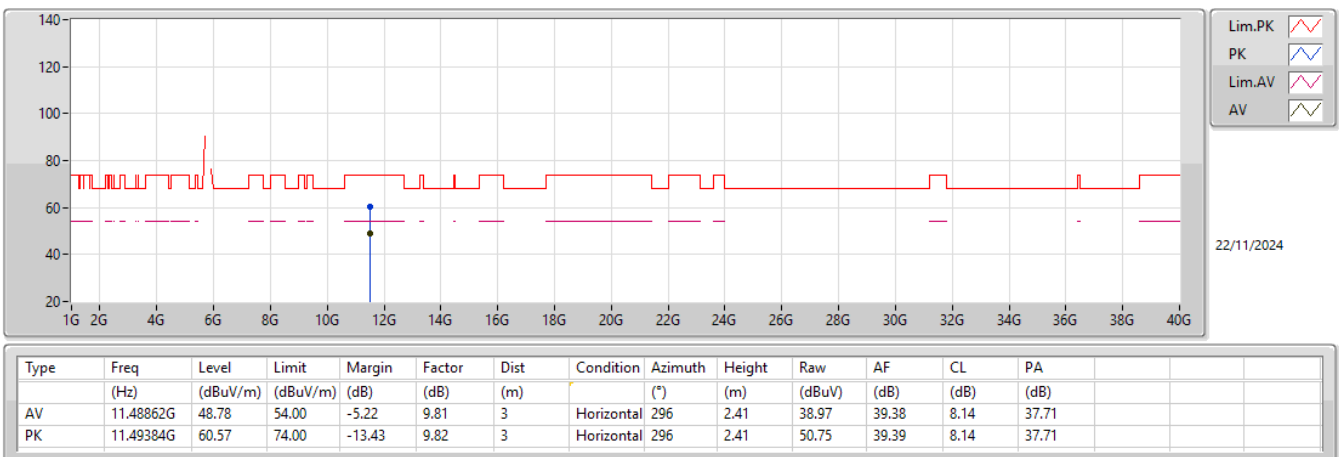
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5745MHz_TX



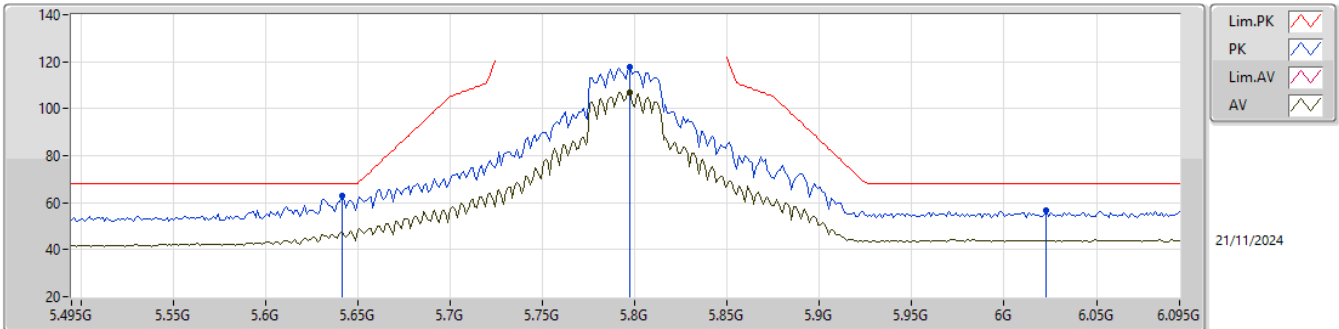
5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_3TX

5745MHz_TX



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

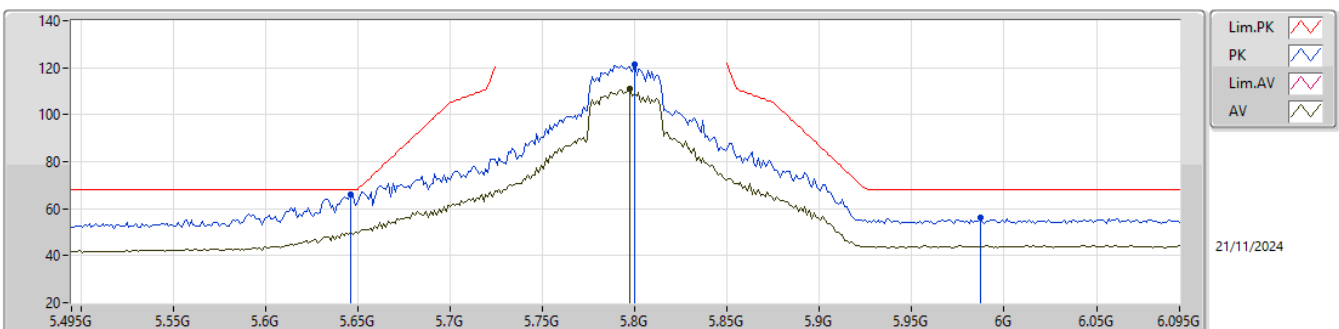
5795MHz_TX



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	5.7974G	106.76	Inf	-Inf	1.33	3	Vertical	322	1.91	105.43	34.29	4.99	37.95
PK	5.6414G	62.80	68.20	-5.40	0.22	3	Vertical	322	1.91	62.58	33.35	4.95	38.08
PK	5.7974G	117.61	Inf	-Inf	1.33	3	Vertical	322	1.91	116.28	34.29	4.99	37.95
PK	6.023G	56.47	68.20	-11.73	2.03	3	Vertical	322	1.91	54.44	34.50	5.30	37.77

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

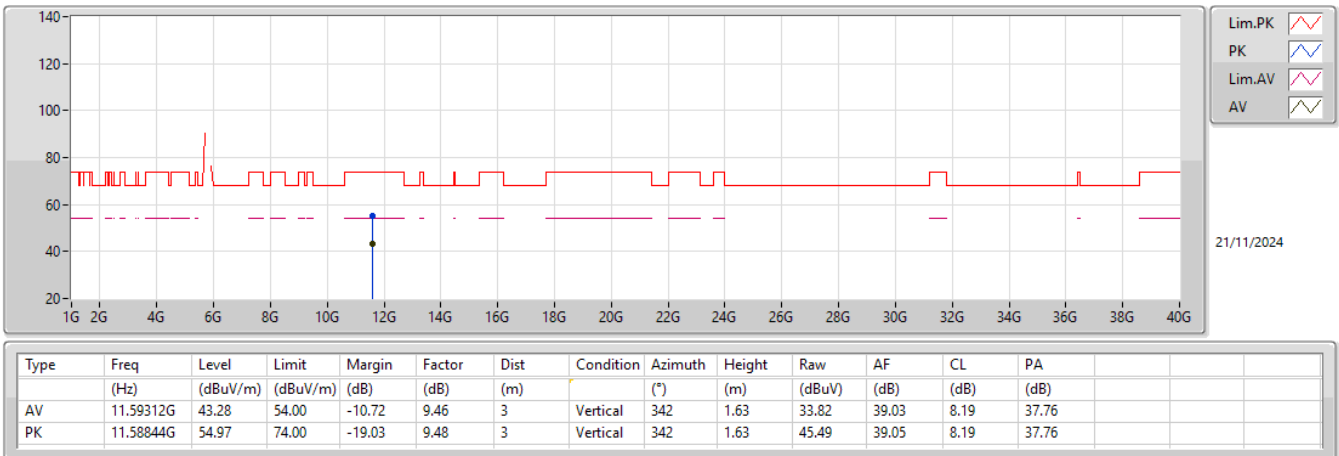
5795MHz_TX



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	5.7974G	110.98	Inf	-Inf	1.33	3	Horizontal	34	1.49	109.65	34.29	4.99	37.95
PK	5.6462G	66.03	68.20	-2.17	0.25	3	Horizontal	34	1.49	65.78	33.38	4.95	38.08
PK	5.7998G	121.31	Inf	-Inf	1.34	3	Horizontal	34	1.49	119.97	34.30	4.99	37.95
PK	5.987G	56.35	68.20	-11.85	1.98	3	Horizontal	34	1.49	54.37	34.50	5.27	37.79

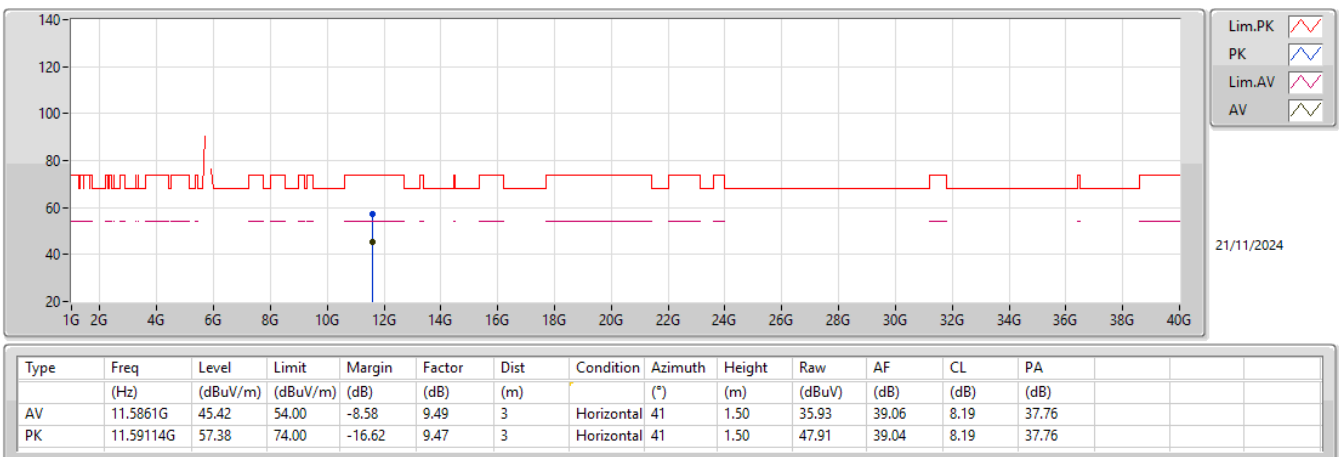
5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_3TX

5795MHz_TX



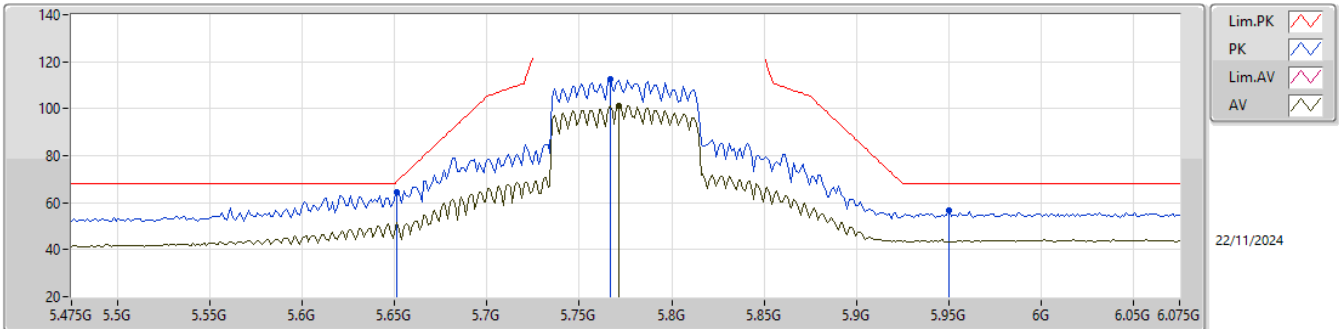
5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_3TX

5795MHz_TX



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

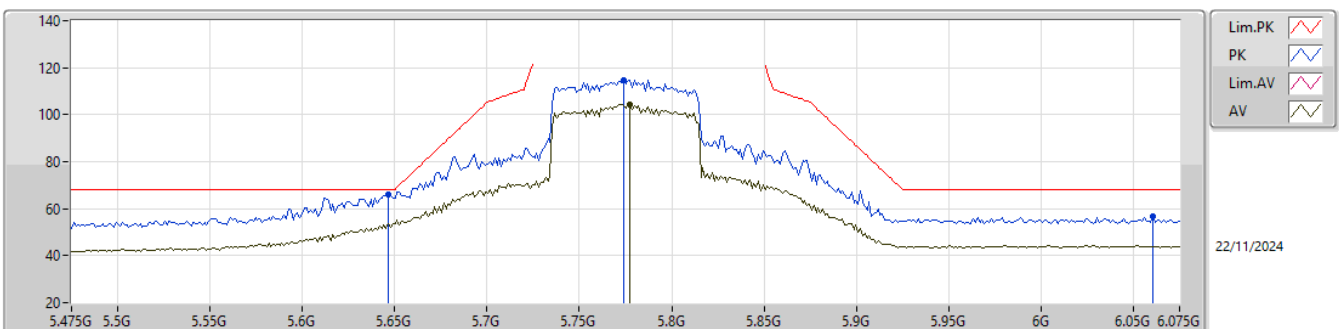
5775MHz_TX



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	5.7714G	101.45	Inf	-Inf	1.20	3	Vertical	320	1.50	100.25	34.19	4.98	37.97
PK	5.6514G	64.46	69.24	-4.78	0.29	3	Vertical	320	1.50	64.17	33.41	4.95	38.07
PK	5.7666G	112.48	Inf	-Inf	1.17	3	Vertical	320	1.50	111.31	34.17	4.98	37.98
PK	5.9502G	56.83	68.20	-11.37	1.90	3	Vertical	320	1.50	54.93	34.50	5.22	37.82

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

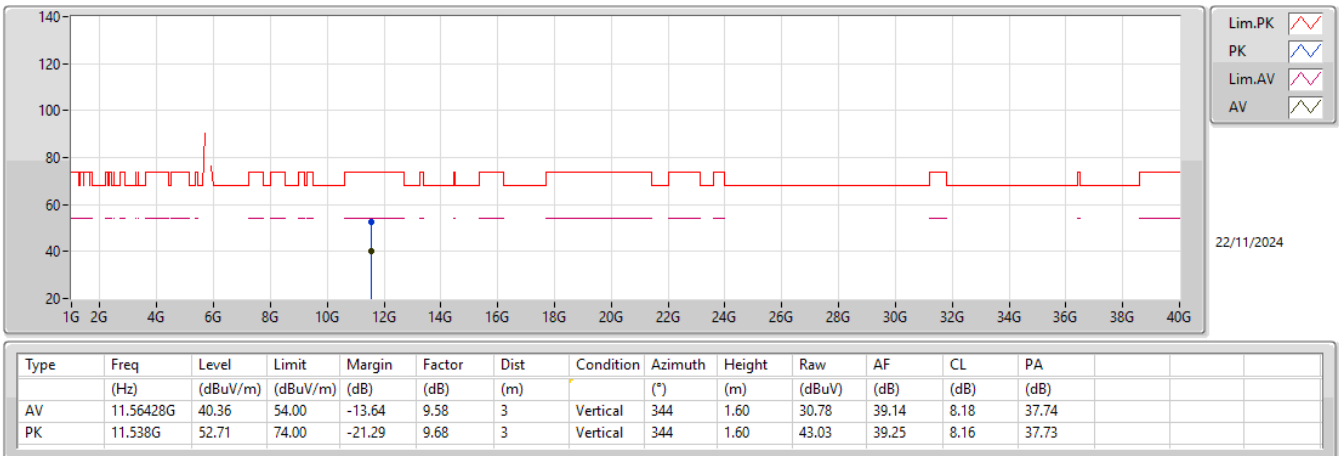
5775MHz_TX



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	5.7774G	104.53	Inf	-Inf	1.22	3	Horizontal	36	1.63	103.31	34.21	4.98	37.97
PK	5.6466G	66.28	68.20	-1.92	0.25	3	Horizontal	36	1.63	66.03	33.38	4.95	38.08
PK	5.7738G	114.80	Inf	-Inf	1.21	3	Horizontal	36	1.63	113.59	34.20	4.98	37.97
PK	6.0606G	56.57	68.20	-11.63	2.05	3	Horizontal	36	1.63	54.52	34.48	5.31	37.74

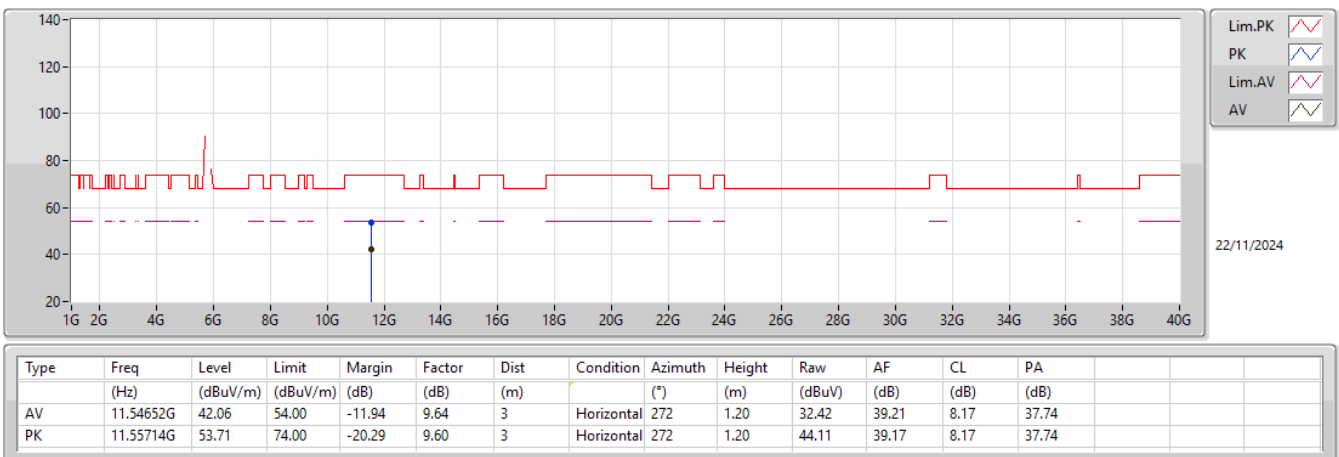
5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_3TX

5775MHz_TX



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

5775MHz_TX





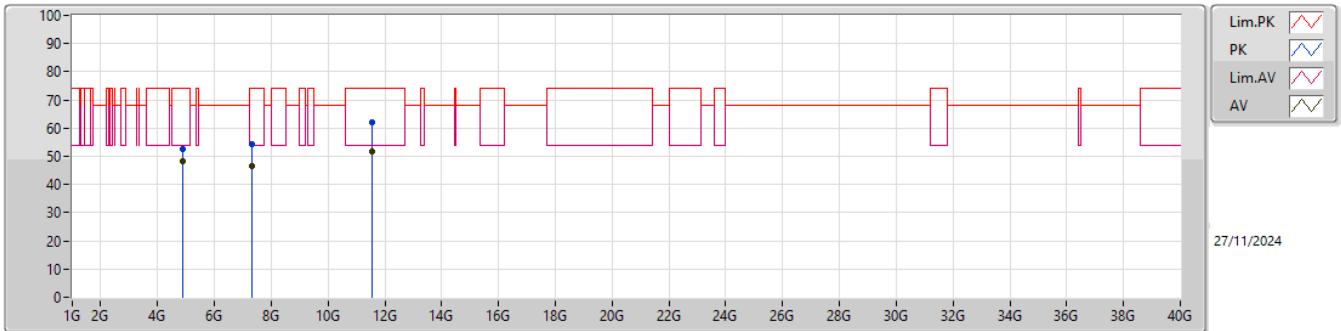
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	11.56768G	53.57	54.00	-0.43	Horizontal

Result

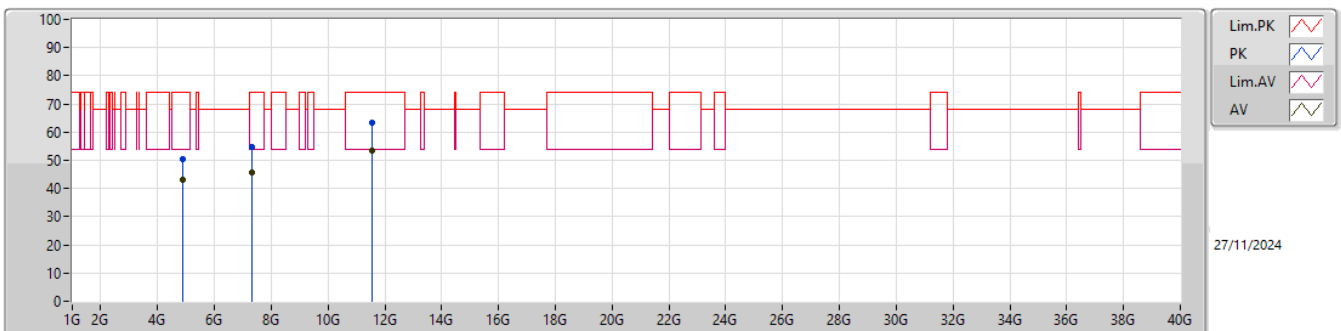
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.87398G	48.39	54.00	-5.61	3	Vertical	215	1.00	-
Mode 1	Pass	AV	7.31186G	46.35	54.00	-7.65	3	Vertical	330	1.76	-
Mode 1	Pass	AV	11.56676G	51.86	54.00	-2.14	3	Vertical	66	1.53	-
Mode 1	Pass	PK	4.87396G	52.56	74.00	-21.44	3	Vertical	215	1.00	-
Mode 1	Pass	PK	7.3111G	54.46	74.00	-19.54	3	Vertical	330	1.76	-
Mode 1	Pass	PK	11.56648G	62.26	74.00	-11.74	3	Vertical	66	1.53	-
Mode 1	Pass	AV	4.87403G	43.23	54.00	-10.77	3	Horizontal	338	1.15	-
Mode 1	Pass	AV	7.31198G	45.56	54.00	-8.44	3	Horizontal	326	1.50	-
Mode 1	Pass	AV	11.56768G	53.57	54.00	-0.43	3	Horizontal	7	1.50	-
Mode 1	Pass	PK	4.87404G	50.36	74.00	-23.64	3	Horizontal	338	1.15	-
Mode 1	Pass	PK	7.31198G	54.59	74.00	-19.41	3	Horizontal	326	1.50	-
Mode 1	Pass	PK	11.56684G	63.46	74.00	-10.54	3	Horizontal	7	1.50	-

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)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.87398G	48.39	54.00	-5.61	5.09	3	Vertical	215	1.00	43.30	32.80	7.70	35.41				
AV	7.31186G	46.35	54.00	-7.65	11.00	3	Vertical	330	1.76	35.35	36.93	8.96	34.89				
AV	11.56676G	51.86	54.00	-2.14	14.70	3	Vertical	66	1.53	37.16	38.63	11.33	35.26				
PK	4.87396G	52.56	74.00	-21.44	5.09	3	Vertical	215	1.00	47.47	32.80	7.70	35.41				
PK	7.3111G	54.46	74.00	-19.54	11.00	3	Vertical	330	1.76	43.46	36.93	8.96	34.89				
PK	11.56648G	62.26	74.00	-11.74	14.70	3	Vertical	66	1.53	47.56	38.63	11.33	35.26				

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)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.87403G	43.23	54.00	-10.77	5.09	3	Horizontal	338	1.15	38.14	32.80	7.70	35.41				
AV	7.31198G	45.56	54.00	-8.44	11.00	3	Horizontal	326	1.50	34.56	36.93	8.96	34.89				
AV	11.56768G	53.57	54.00	-0.43	14.70	3	Horizontal	7	1.50	38.87	38.63	11.33	35.26				
PK	4.87404G	50.36	74.00	-23.64	5.09	3	Horizontal	338	1.15	45.27	32.80	7.70	35.41				
PK	7.31198G	54.59	74.00	-19.41	11.00	3	Horizontal	326	1.50	43.59	36.93	8.96	34.89				
PK	11.56684G	63.46	74.00	-10.54	14.70	3	Horizontal	7	1.50	48.76	38.63	11.33	35.26				