

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 15.247

The product was received on Nov. 04, 2024, and testing was started from Nov. 18, 2024 and completed on Nov. 28, 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

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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PHOTOGRAPHS OF EUT V01



History of this test report

Report No.	Version	Description	Issued Date
FR4O2418AC	01	Initial issue of report	Dec. 23, 2024

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	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	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
2400-2483.5	b, g, n (HT20), VHT20, ax(HEW20), be (EHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax(HEW40) , be (EHT40)	2422-2452	3-9 [7]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11be EHT20	20	2TX
2.4-2.4835GHz	802.11be EHT40	40	2TX

Beamforming

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11be EHT20-BF	20	2TX
2.4-2.4835GHz	802.11be EHT40-BF	40	2TX

Note:

- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- EHT20, EHT40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- BWch is the nominal channel bandwidth.
- Evaluated EHT20/EHT40 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40/HEW20/HEW40 mode are the same or lower than EHT20/EHT40.

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	☒ Point-to-multipoint	☐ Point-to-point	
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
802.11b_Nss1,(1Mbps)_2TX	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_2TX	0.964	0.16	1.397m	1k
802.11be EHT20_Nss1,(MCS0)_2TX	0.877	0.57	371.875u	3k
802.11be EHT40_Nss1,(MCS0)_2TX	0.876	0.57	368.75u	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)_2TX	0.877	0.57	371.875u	3k
802.11be EHT40-BF_Nss1,(MCS0)_2TX	0.876	0.57	368.75u	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-9732iYYYYYYY(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

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

- ♦ KDB 558074 D01 v05r02
- ♦ 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	Jin Jing	22.7~23.4°C / 54~59%	21/Nov/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%	18/Nov/2024~23/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%
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%
Emissions in Non-restricted Frequency Bands	0.14 dB	Confidence levels of 95%
Emissions in Restricted Frequency Bands	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
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	19.5
2417MHz	22
2437MHz	23
2457MHz	22
2462MHz	21
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	17
2417MHz	18
2437MHz	20.5
2457MHz	19
2462MHz	18.5
802.11be EHT20_Nss1,(MCS0)_2TX	-
2412MHz	18
2417MHz	19.5
2437MHz	21.5
2457MHz	20.5
2462MHz	19.5
802.11be EHT40_Nss1,(MCS0)_2TX	-
2422MHz	18
2427MHz	18
2437MHz	18.5
2452MHz	18.5

**Beamforming**

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	18
2417MHz	19.5
2437MHz	21.5
2457MHz	20.5
2462MHz	19.5
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	18
2427MHz	18
2437MHz	18.5
2452MHz	18.5

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	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
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 G 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.

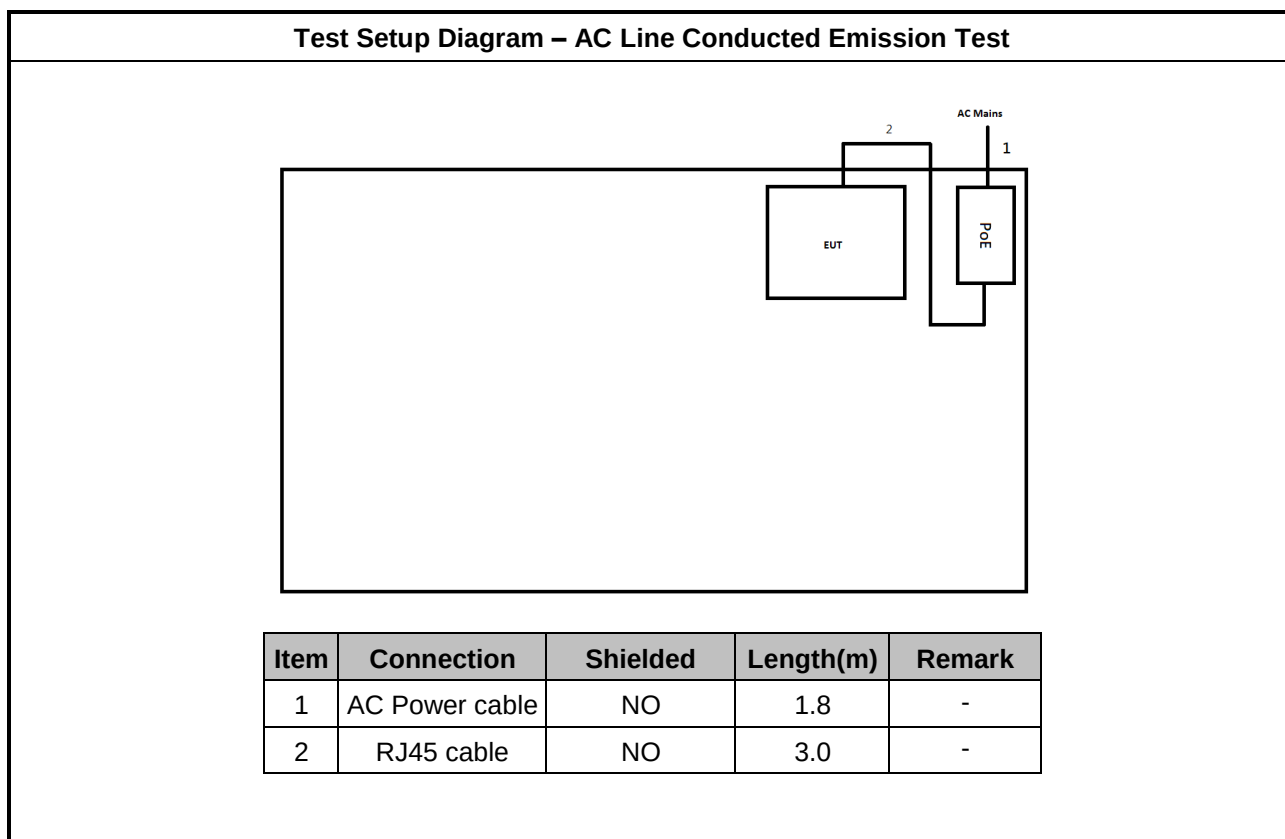
2.4 Support Equipment

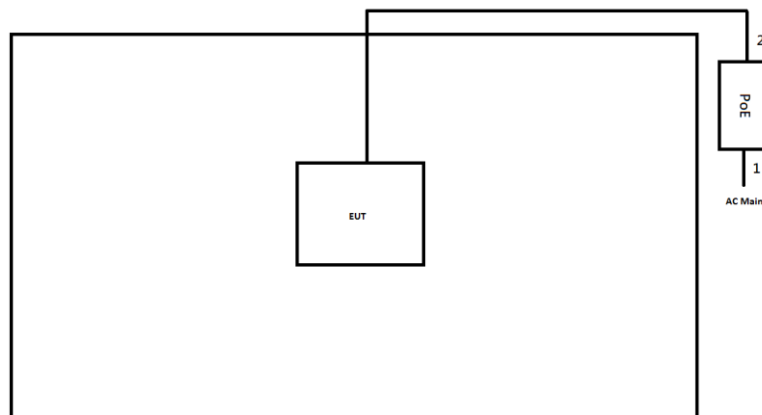
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 Cable	Power sync	CAT-6E-03	-	-
2	PoE	CWT	P060U04BT	-	Provided by Customer
3	Power Cord	N/A	N/A	-	Provided by Customer

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

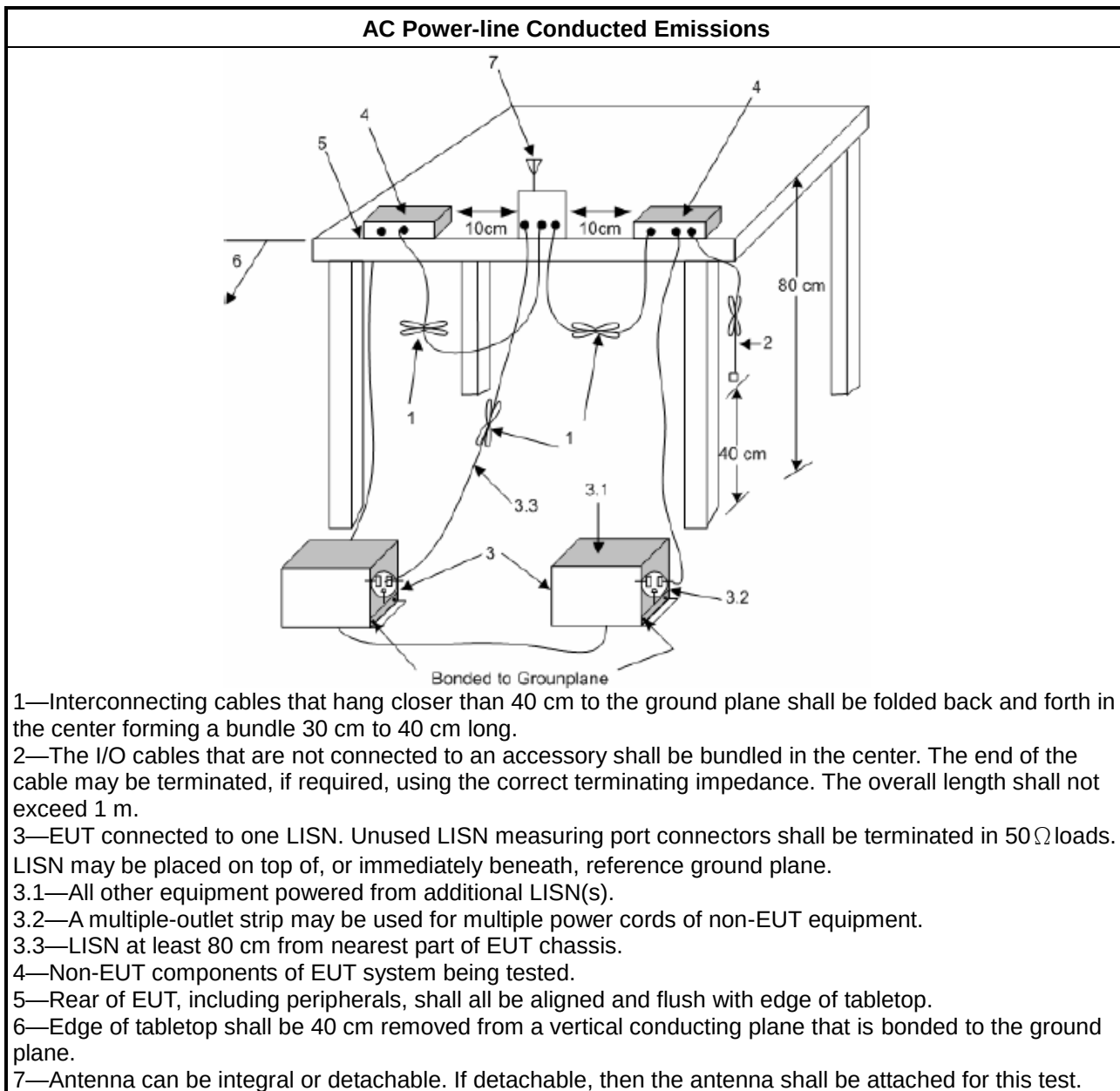
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth $\geq$ 500 kHz.

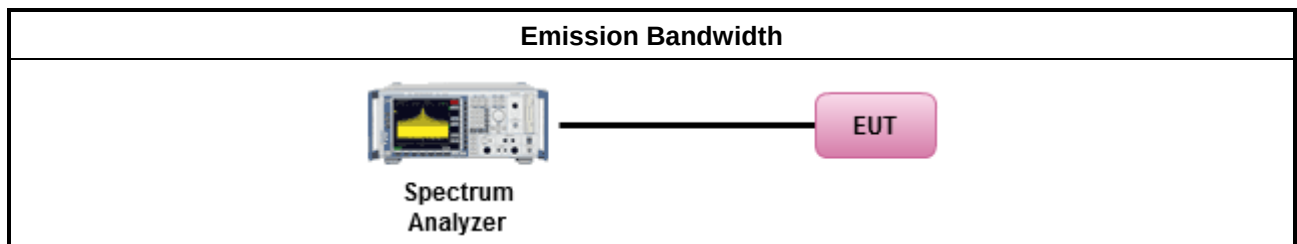
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied 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	
	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dBm
e.i.r.p. Power Limit:	
	2400-2483.5 MHz Band
	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	Smart antenna system (SAS)
	- Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

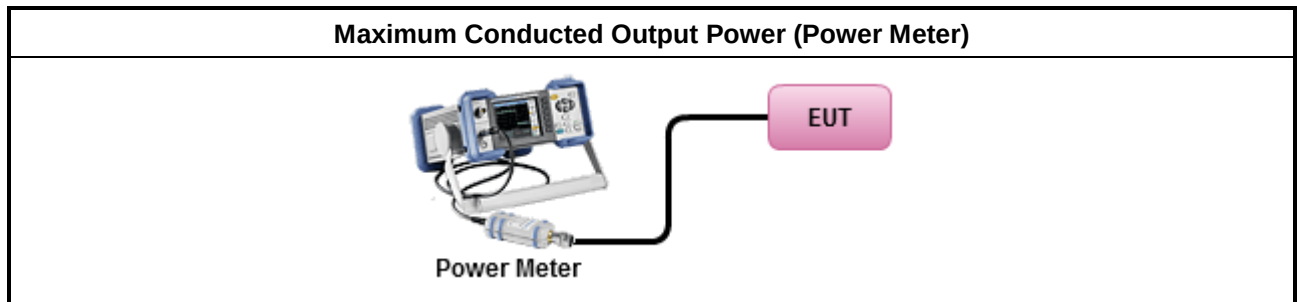
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a 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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit	
▪	Power Spectral Density (PSD) ≤ 8 dBm/3kHz

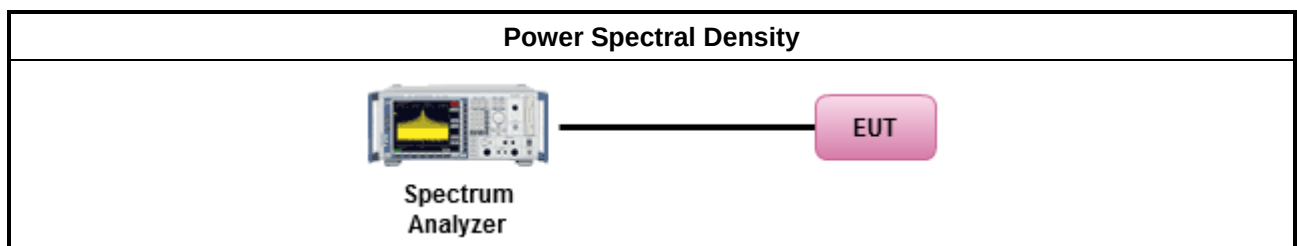
3.4.2 Measuring Instruments

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. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
▪	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.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.	

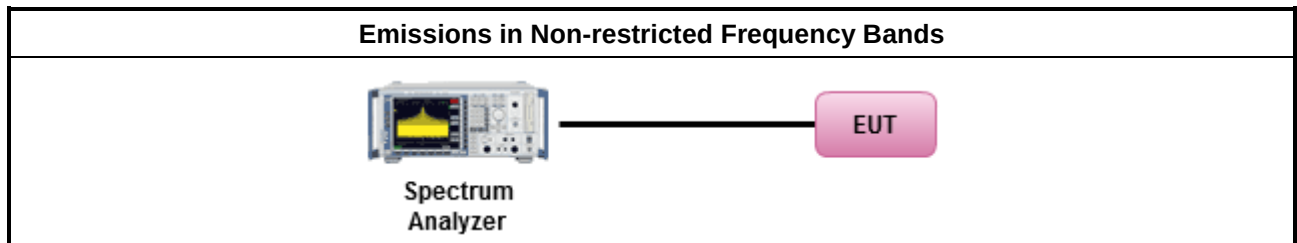
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions 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.

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

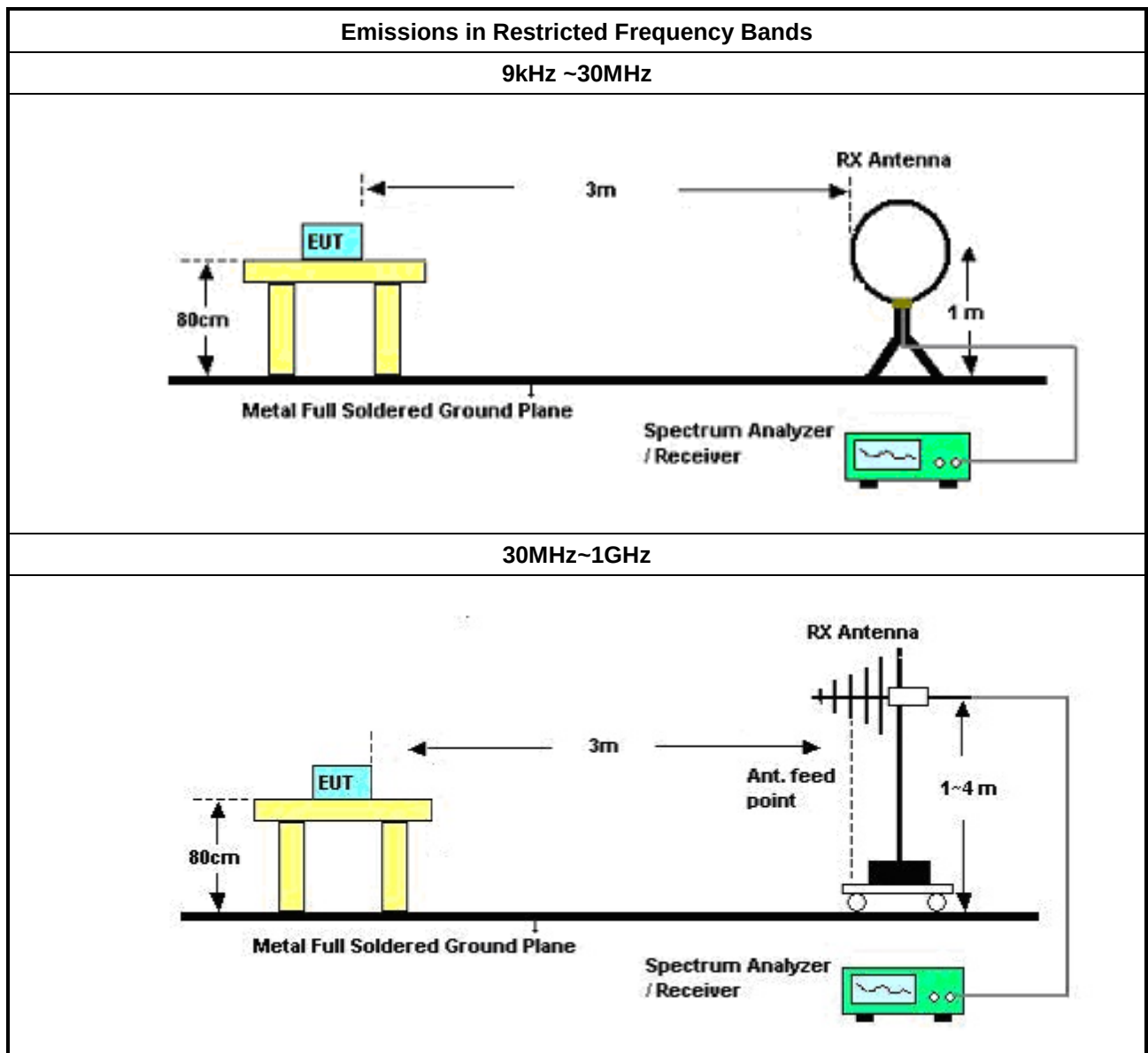
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
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.

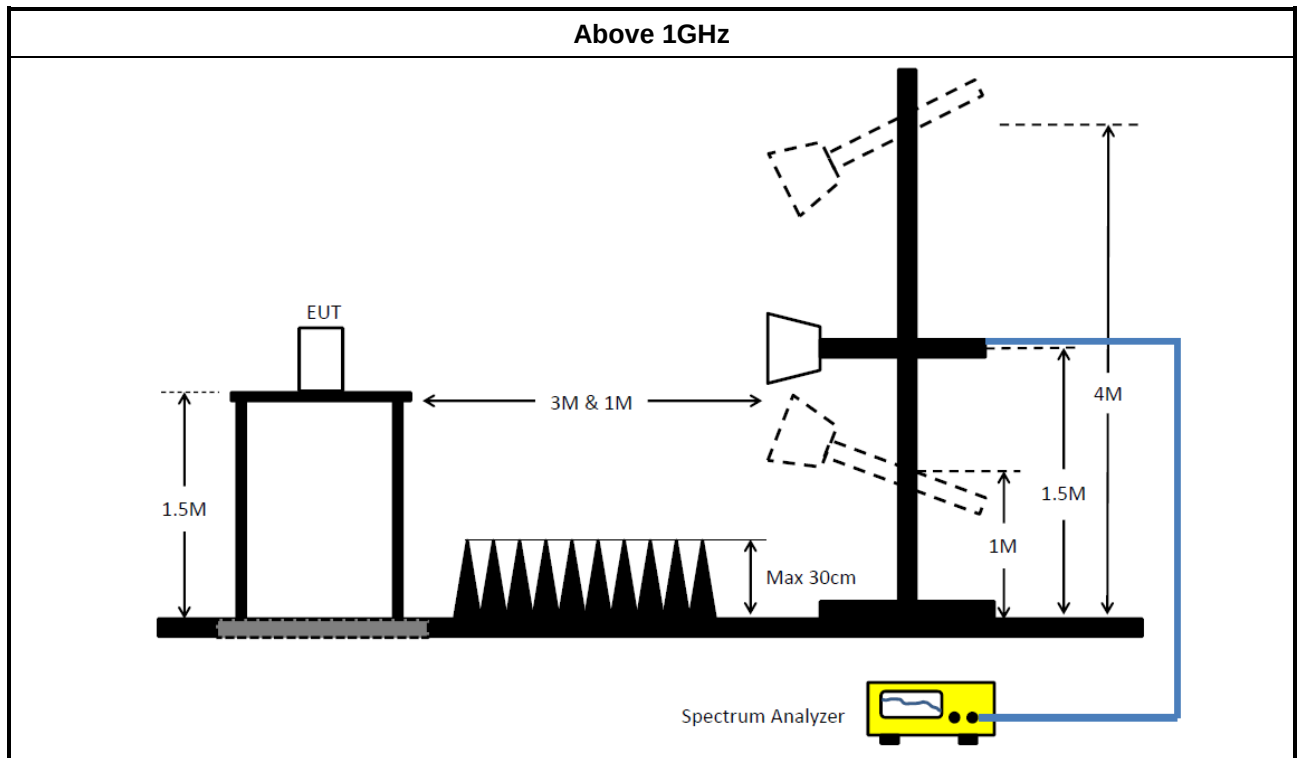
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





3.6.6 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

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-15247_DTS	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-15247-DTS	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

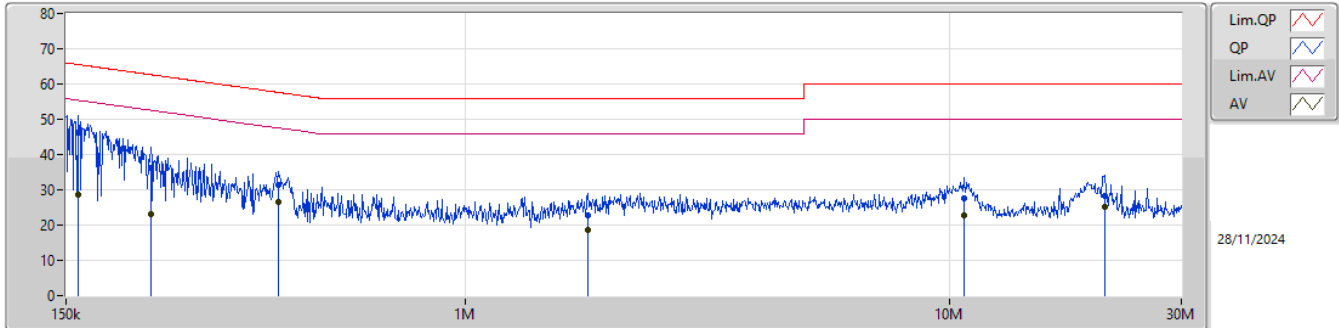
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	406.93k	31.77	47.70	-15.93	Neutral

Result

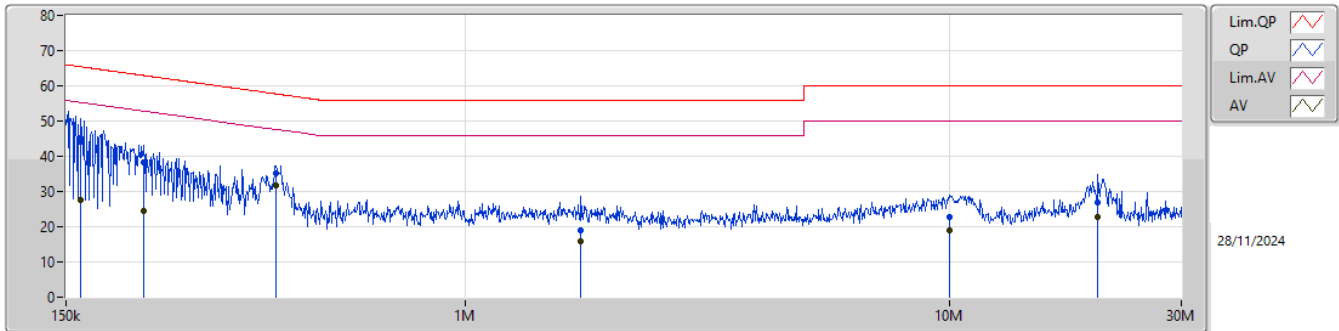
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	158.622k	46.35	65.54	-19.19	Line	-
Mode 1	Pass	AV	158.622k	28.71	55.54	-26.83	Line	-
Mode 1	Pass	QP	224.49k	36.06	62.65	-26.59	Line	-
Mode 1	Pass	AV	224.49k	23.07	52.65	-29.58	Line	-
Mode 1	Pass	QP	411.832k	31.46	57.61	-26.15	Line	-
Mode 1	Pass	AV	411.832k	26.59	47.61	-21.02	Line	-
Mode 1	Pass	QP	1.789M	22.64	56.00	-33.36	Line	-
Mode 1	Pass	AV	1.789M	18.67	46.00	-27.33	Line	-
Mode 1	Pass	QP	10.659M	27.54	60.00	-32.46	Line	-
Mode 1	Pass	AV	10.659M	22.89	50.00	-27.11	Line	-
Mode 1	Pass	QP	20.843M	28.41	60.00	-31.59	Line	-
Mode 1	Pass	AV	20.843M	25.05	50.00	-24.95	Line	-
Mode 1	Pass	QP	161.175k	45.10	65.41	-20.31	Neutral	-
Mode 1	Pass	AV	161.175k	27.51	55.41	-27.90	Neutral	-
Mode 1	Pass	QP	216.567k	38.16	62.94	-24.78	Neutral	-
Mode 1	Pass	AV	216.567k	24.65	52.94	-28.29	Neutral	-
Mode 1	Pass	QP	406.93k	35.09	57.70	-22.61	Neutral	-
Mode 1	Pass	AV	406.93k	31.77	47.70	-15.93	Neutral	-
Mode 1	Pass	QP	1.733M	18.93	56.00	-37.07	Neutral	-
Mode 1	Pass	AV	1.733M	15.71	46.00	-30.29	Neutral	-
Mode 1	Pass	QP	9.959M	22.70	60.00	-37.30	Neutral	-
Mode 1	Pass	AV	9.959M	19.06	50.00	-30.94	Neutral	-
Mode 1	Pass	QP	20.188M	27.04	60.00	-32.96	Neutral	-
Mode 1	Pass	AV	20.188M	22.80	50.00	-27.20	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	158.622k	46.35	65.54	-19.19	19.70	Line	-	26.65	9.66	0.07	9.97						
AV	158.622k	28.71	55.54	-26.83	19.70	Line	-	9.01	9.66	0.07	9.97						
QP	224.49k	36.06	62.65	-26.59	19.71	Line	-	16.35	9.65	0.09	9.97						
AV	224.49k	23.07	52.65	-29.58	19.71	Line	-	3.36	9.65	0.09	9.97						
QP	411.832k	31.46	57.61	-26.15	19.75	Line	-	11.71	9.65	0.12	9.98						
AV	411.832k	26.59	47.61	-21.02	19.75	Line	-	6.84	9.65	0.12	9.98						
QP	1.789M	22.64	56.00	-33.36	19.75	Line	-	2.89	9.67	0.11	9.97						
AV	1.789M	18.67	46.00	-27.33	19.75	Line	-	-1.08	9.67	0.11	9.97						
QP	10.659M	27.54	60.00	-32.46	19.75	Line	-	7.79	9.71	0.06	9.98						
AV	10.659M	22.89	50.00	-27.11	19.75	Line	-	3.14	9.71	0.06	9.98						
QP	20.843M	28.41	60.00	-31.59	19.77	Line	-	8.64	9.67	0.12	9.98						
AV	20.843M	25.05	50.00	-24.95	19.77	Line	-	5.28	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	161.175k	45.10	65.41	-20.31	19.64	Neutral	-	25.46	9.60	0.07	9.97						
AV	161.175k	27.51	55.41	-27.90	19.64	Neutral	-	7.87	9.60	0.07	9.97						
QP	216.567k	38.16	62.94	-24.78	19.66	Neutral	-	18.50	9.60	0.09	9.97						
AV	216.567k	24.65	52.94	-28.29	19.66	Neutral	-	4.99	9.60	0.09	9.97						
QP	406.93k	35.09	57.70	-22.61	19.70	Neutral	-	15.39	9.60	0.12	9.98						
AV	406.93k	31.77	47.70	-15.93	19.70	Neutral	-	12.07	9.60	0.12	9.98						
QP	1.733M	18.93	56.00	-37.07	19.69	Neutral	-	-0.76	9.61	0.11	9.97						
AV	1.733M	15.71	46.00	-30.29	19.69	Neutral	-	-3.98	9.61	0.11	9.97						
QP	9.959M	22.70	60.00	-37.30	19.69	Neutral	-	3.01	9.66	0.05	9.98						
AV	9.959M	19.06	50.00	-30.94	19.69	Neutral	-	-0.63	9.66	0.05	9.98						
QP	20.188M	27.04	60.00	-32.96	19.77	Neutral	-	7.27	9.67	0.12	9.98						
AV	20.188M	22.80	50.00	-27.20	19.77	Neutral	-	3.03	9.67	0.12	9.98						

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.1M	12.849M	12M8G1D	7.1M	12.624M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.404M	16M4D1D	16.175M	16.338M
802.11be EHT20_Nss1,(MCS0)_2TX	18.75M	18.841M	18M8D1D	15.125M	18.741M
802.11be EHT40_Nss1,(MCS0)_2TX	36.8M	37.831M	37M8D1D	32.6M	37.431M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.1M	12.624M	8.05M	12.759M
2437MHz	Pass	500k	8.075M	12.849M	8.075M	12.849M
2462MHz	Pass	500k	8.1M	12.684M	8.025M	12.744M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.35M	16.36M	16.325M	16.338M
2437MHz	Pass	500k	16.325M	16.404M	16.275M	16.404M
2462MHz	Pass	500k	16.175M	16.338M	16.35M	16.338M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.375M	18.741M	18.45M	18.791M
2437MHz	Pass	500k	18.575M	18.841M	18.7M	18.791M
2462MHz	Pass	500k	15.125M	18.791M	18.75M	18.791M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.25M	37.431M	36.8M	37.831M
2437MHz	Pass	500k	32.6M	37.481M	36.65M	37.481M
2452MHz	Pass	500k	35.05M	37.431M	34.1M	37.531M

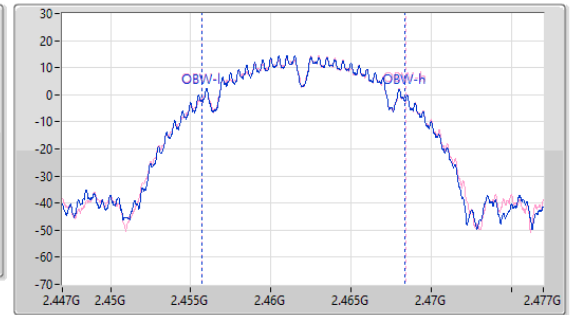
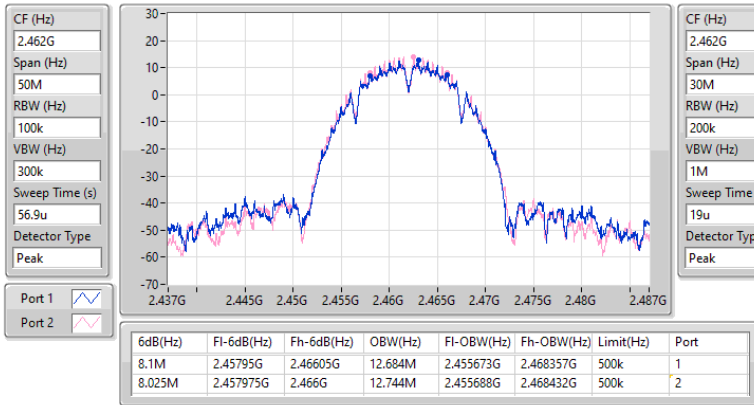
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

21/11/2024

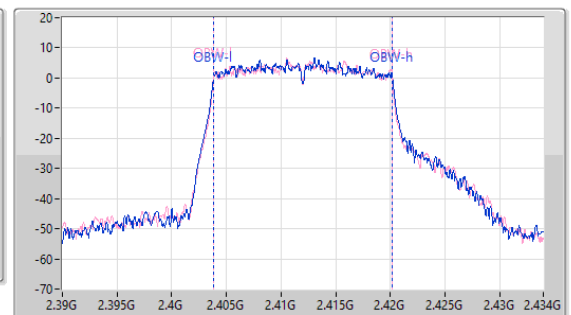
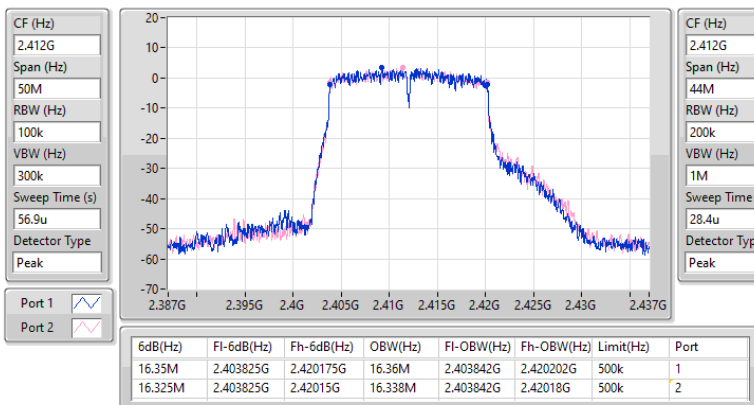


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

21/11/2024

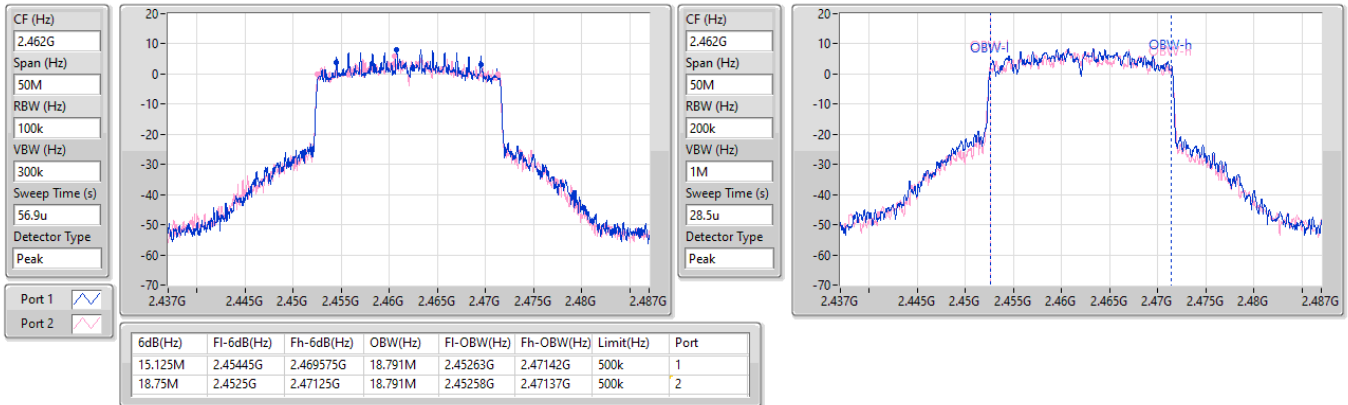


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

2462MHz

21/11/2024

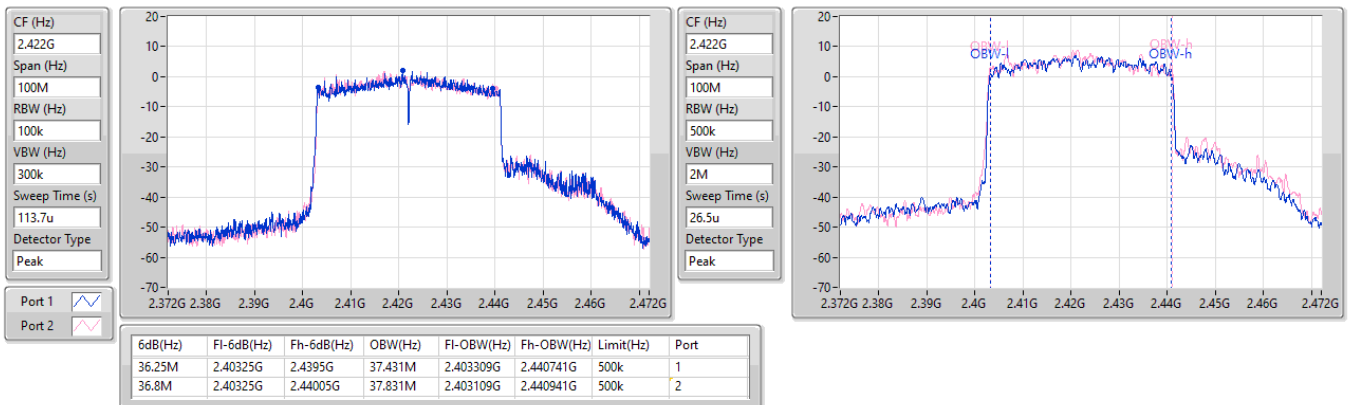


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

2422MHz

21/11/2024





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.84	0.48306
802.11g_Nss1,(6Mbps)_2TX	24.04	0.25351
802.11be EHT20_Nss1,(MCS0)_2TX	23.36	0.21677
802.11be EHT40_Nss1,(MCS0)_2TX	20.54	0.11324

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.19	20.86	20.98	23.93	30.00
2417MHz	Pass	4.19	22.80	23.19	26.01	30.00
2437MHz	Pass	4.19	23.81	23.84	26.84	30.00
2457MHz	Pass	4.19	23.33	23.18	26.27	30.00
2462MHz	Pass	4.19	22.65	22.60	25.64	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.19	17.36	17.35	20.37	30.00
2417MHz	Pass	4.19	18.40	18.34	21.38	30.00
2437MHz	Pass	4.19	21.16	20.90	24.04	30.00
2457MHz	Pass	4.19	19.65	19.47	22.57	30.00
2462MHz	Pass	4.19	19.13	18.90	22.03	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.19	16.67	16.63	19.66	30.00
2417MHz	Pass	4.19	17.99	17.98	21.00	30.00
2437MHz	Pass	4.19	20.47	20.23	23.36	30.00
2457MHz	Pass	4.19	19.38	19.10	22.25	30.00
2462MHz	Pass	4.19	18.31	18.07	21.20	30.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.19	16.73	16.73	19.74	30.00
2427MHz	Pass	4.19	16.70	16.70	19.71	30.00
2437MHz	Pass	4.19	17.78	17.27	20.54	30.00
2452MHz	Pass	4.19	17.72	17.30	20.53	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)
2.4-2.4835GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	23.36	0.21677
802.11be EHT40-BF_Nss1,(MCS0)_2TX	20.54	0.11324

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.96	16.67	16.63	19.66	30.00
2417MHz	Pass	4.96	17.99	17.98	21.00	30.00
2437MHz	Pass	4.96	20.47	20.23	23.36	30.00
2457MHz	Pass	4.96	19.38	19.1	22.25	30.00
2462MHz	Pass	4.96	18.31	18.07	21.20	30.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.96	16.73	16.73	19.74	30.00
2427MHz	Pass	4.96	16.7	16.7	19.71	30.00
2437MHz	Pass	4.96	17.78	17.27	20.54	30.00
2452MHz	Pass	4.96	17.72	17.3	20.53	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	5.06
802.11g_Nss1,(6Mbps)_2TX	-0.04
802.11be EHT20_Nss1,(MCS0)_2TX	-0.40
802.11be EHT40_Nss1,(MCS0)_2TX	-5.95

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.96	-0.76	-0.76	2.25	8.00
2437MHz	Pass	4.96	2.04	2.08	5.06	8.00
2462MHz	Pass	4.96	1.90	1.71	4.77	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.96	-6.14	-6.31	-3.51	8.00
2437MHz	Pass	4.96	-2.17	-2.57	-0.04	8.00
2462MHz	Pass	4.96	-3.99	-4.79	-2.05	8.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.96	-7.20	-6.72	-3.94	8.00
2437MHz	Pass	4.96	-3.62	-3.21	-0.40	8.00
2462MHz	Pass	4.96	-6.01	-5.85	-3.16	8.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.96	-8.80	-9.38	-6.43	8.00
2437MHz	Pass	4.96	-8.32	-9.24	-5.95	8.00
2452MHz	Pass	4.96	-8.82	-8.76	-6.31	8.00

DG = Directional Gain; RBW = 3kHz;
 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.

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

21/11/2024

CF (Hz)
2.437G

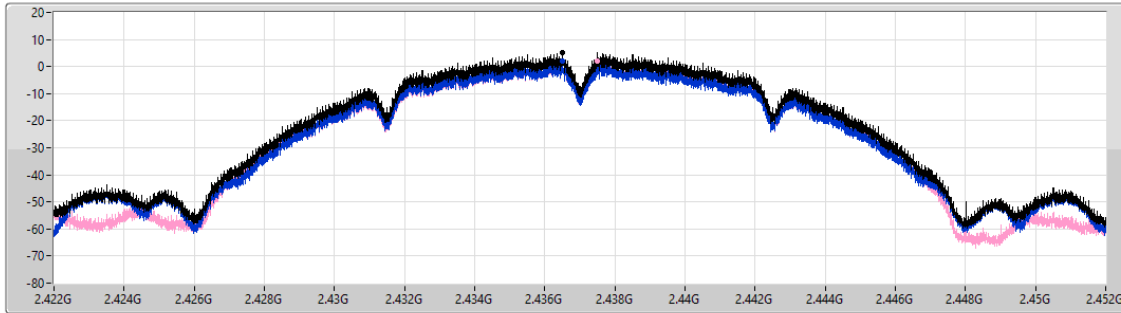
Span (Hz)
30M

RBW (Hz)
3k

VBW (Hz)
10k

Sweep Time (s)
200m

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.06	5.06	2.04	2.08

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

21/11/2024

CF (Hz)
2.437G

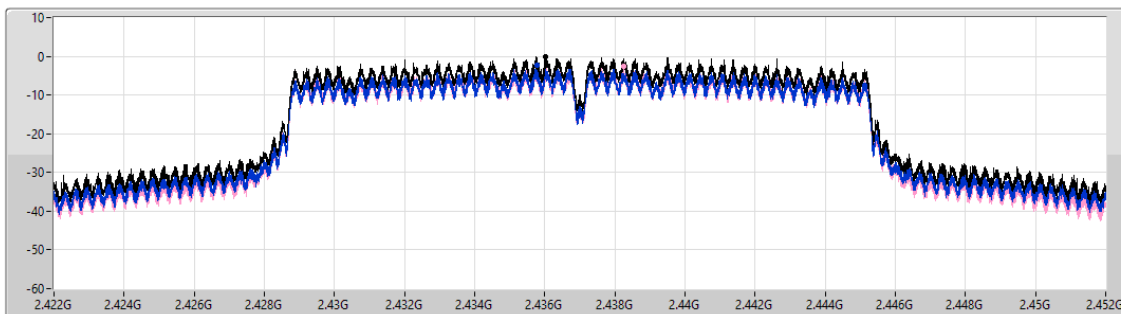
Span (Hz)
30M

RBW (Hz)
3k

VBW (Hz)
10k

Sweep Time (s)
200m

Detector Type
Peak



Sum 

Port 1 

Port 2 

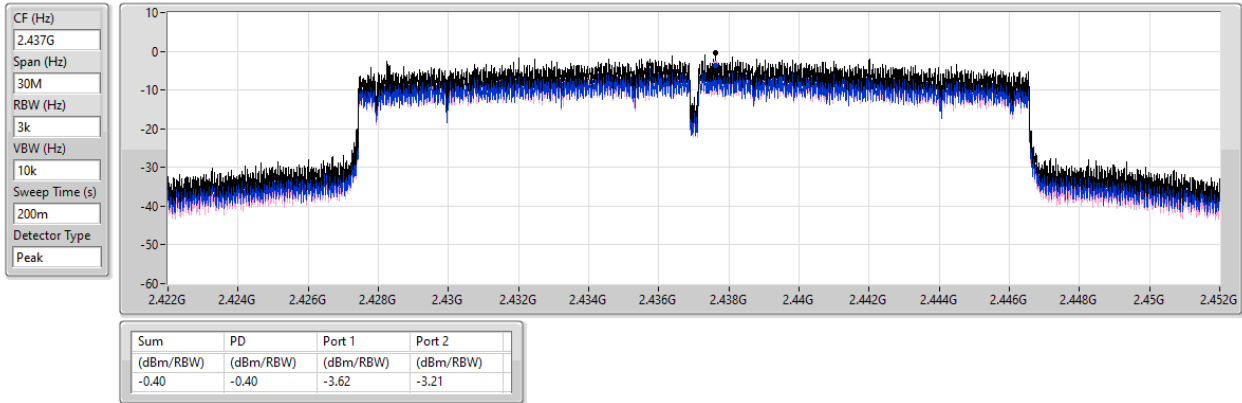
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.04	-0.04	-2.17	-2.57

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

2437MHz

21/11/2024

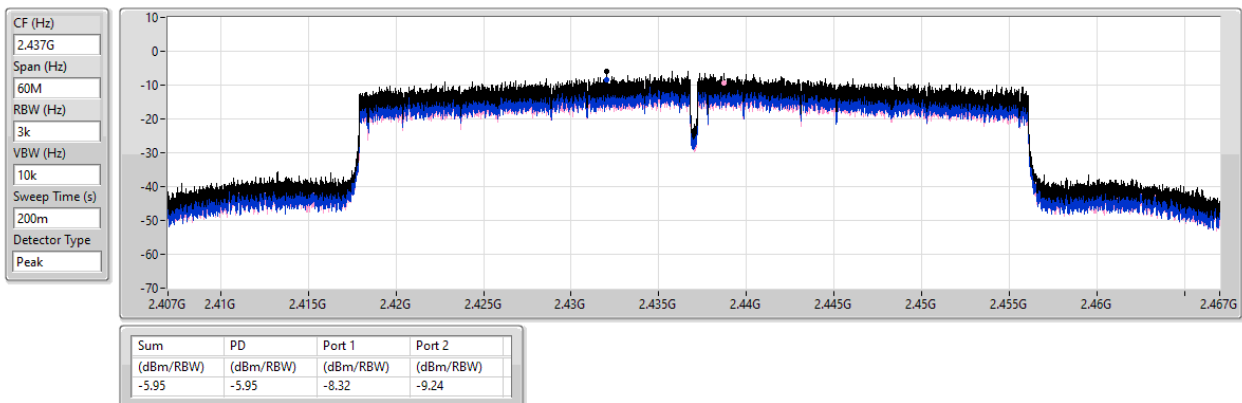


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

2437MHz

21/11/2024



**Summary**

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43657G	15.20	-14.80	2.30292G	-54.93	2.39904G	-38.48	2.4G	-42.62	2.50206G	-53.22	24.46337G	-42.13	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	10.77	-19.23	2.19341G	-54.30	2.39872G	-40.50	2.4G	-41.63	2.50126G	-50.49	23.2075G	-42.13	1
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	2.43824G	10.17	-19.83	1.83109G	-55.05	2.39776G	-41.01	2.4G	-44.71	2.51174G	-53.36	24.57014G	-42.21	1
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	2.4344G	5.16	-24.84	2.30741G	-54.45	2.4G	-43.42	2.4G	-41.23	2.5011G	-51.05	24.53725G	-41.47	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43657G	15.20	-14.80	2.18525G	-55.24	2.4G	-40.64	2.4G	-40.39	2.50486G	-53.17	24.15713G	-41.62	1
2412MHz	Pass	2.43657G	15.20	-14.80	2.30292G	-54.93	2.39904G	-38.48	2.4G	-42.62	2.50206G	-53.22	24.46337G	-42.13	2
2437MHz	Pass	2.43657G	15.20	-14.80	2.30758G	-54.55	2.4G	-44.72	2.4G	-44.36	2.50398G	-50.33	21.90386G	-41.73	1
2437MHz	Pass	2.43657G	15.20	-14.80	2.30175G	-54.49	2.39248G	-45.63	2.4G	-50.08	2.51555G	-50.09	24.20208G	-41.14	2
2462MHz	Pass	2.43657G	15.20	-14.80	2.30175G	-53.91	2.39152G	-48.58	2.4G	-50.70	2.51054G	-46.00	24.24142G	-42.05	1
2462MHz	Pass	2.43657G	15.20	-14.80	2.30292G	-54.25	2.39152G	-48.19	2.4G	-49.15	2.50702G	-47.05	17.4788G	-41.30	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	10.77	-19.23	2.30758G	-55.08	2.39896G	-42.35	2.4G	-40.76	2.50974G	-53.02	24.44652G	-41.69	1
2412MHz	Pass	2.43574G	10.77	-19.23	2.30641G	-55.09	2.39952G	-44.74	2.4G	-44.94	2.51254G	-51.81	24.7359G	-42.26	2
2437MHz	Pass	2.43574G	10.77	-19.23	2.19341G	-54.30	2.39872G	-40.50	2.4G	-41.63	2.50126G	-50.49	23.2075G	-42.13	1
2437MHz	Pass	2.43574G	10.77	-19.23	2.30292G	-53.80	2.39288G	-43.39	2.4G	-45.35	2.50798G	-51.30	17.0967G	-41.83	2
2462MHz	Pass	2.43574G	10.77	-19.23	2.30525G	-53.06	2.394G	-51.14	2.4G	-52.71	2.50838G	-51.32	24.49709G	-41.68	1
2462MHz	Pass	2.43574G	10.77	-19.23	2.14681G	-54.60	2.39656G	-52.48	2.4G	-53.75	2.51566G	-50.43	24.2077G	-41.55	2
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	10.17	-19.83	1.83109G	-55.05	2.39776G	-41.01	2.4G	-44.71	2.51174G	-53.36	24.57014G	-42.21	1
2412MHz	Pass	2.43824G	10.17	-19.83	2.30525G	-54.40	2.39808G	-41.33	2.4G	-45.95	2.5163G	-52.32	23.14569G	-41.90	2
2437MHz	Pass	2.43824G	10.17	-19.83	2.30292G	-54.33	2.398G	-41.17	2.4G	-42.61	2.5011G	-51.06	15.13844G	-41.49	1
2437MHz	Pass	2.43824G	10.17	-19.83	2.30525G	-54.26	2.39816G	-45.57	2.4G	-46.78	2.50062G	-50.75	24.48023G	-41.36	2
2462MHz	Pass	2.43824G	10.17	-19.83	2.30874G	-53.47	2.3948G	-51.17	2.4G	-53.82	2.50102G	-49.34	24.49428G	-41.18	1
2462MHz	Pass	2.43824G	10.17	-19.83	2.30758G	-53.90	2.3972G	-51.03	2.4G	-53.77	2.50622G	-50.16	24.22737G	-42.23	2
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	5.16	-24.84	2.14253G	-54.87	2.39712G	-42.31	2.4G	-44.27	2.50062G	-52.29	16.5162G	-42.26	1
2422MHz	Pass	2.4344G	5.16	-24.84	2.30741G	-54.45	2.4G	-43.42	2.4G	-41.23	2.5011G	-51.05	24.53725G	-41.47	2
2437MHz	Pass	2.4344G	5.16	-24.84	39.16M	-55.22	2.39824G	-44.67	2.4G	-44.62	2.50126G	-49.07	24.51762G	-41.37	1
2437MHz	Pass	2.4344G	5.16	-24.84	32.29M	-54.12	2.39984G	-45.46	2.4G	-42.84	2.50222G	-50.11	24.41104G	-41.94	2
2452MHz	Pass	2.4344G	5.16	-24.84	2.07955G	-53.79	2.39712G	-45.61	2.4G	-48.79	2.50702G	-47.23	24.73918G	-42.46	1
2452MHz	Pass	2.4344G	5.16	-24.84	2.3097G	-55.04	2.39712G	-45.02	2.4G	-50.41	2.50462G	-46.69	15.20647G	-41.40	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

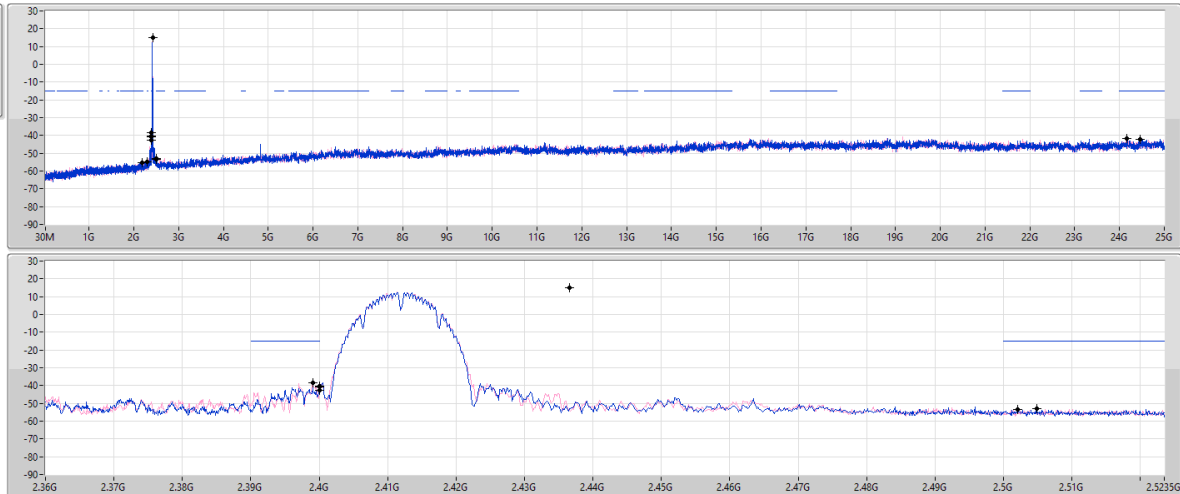
CSEndB

2412MHz

21/11/2024

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Port 1
Port 2



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43657G	15.20	-14.80	2.18525G	-55.24	2.4G	-40.64	2.4G	-40.39	2.50486G	-53.17	24.15713G	-41.62	1
2.43657G	15.20	-14.80	2.30292G	-54.93	2.39904G	-38.48	2.4G	-42.62	2.50206G	-53.22	24.46337G	-42.13	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

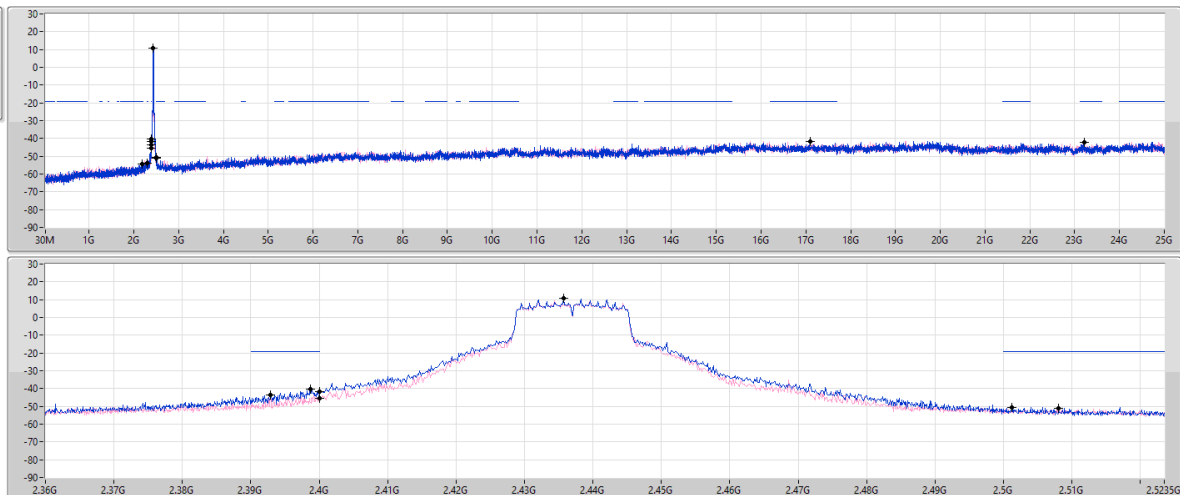
CSEndB

2437MHz

21/11/2024

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Port 1
Port 2



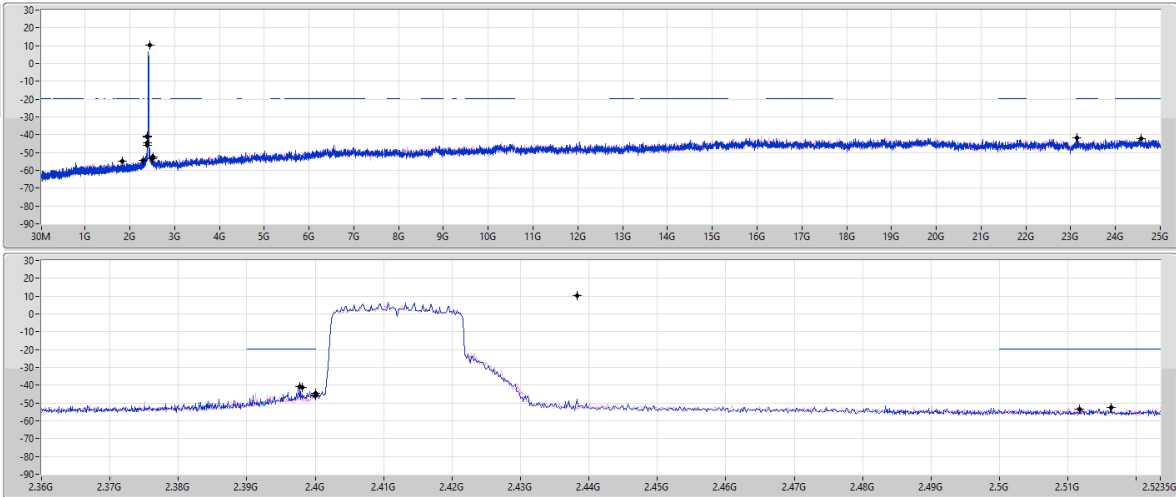
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	10.77	-19.23	2.19341G	-54.30	2.39872G	-40.50	2.4G	-41.63	2.50126G	-50.49	23.2075G	-42.13	1
2.43574G	10.77	-19.23	2.30292G	-53.80	2.39288G	-43.39	2.4G	-45.35	2.50798G	-51.30	17.0967G	-41.83	2

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

CSEndB

2412MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



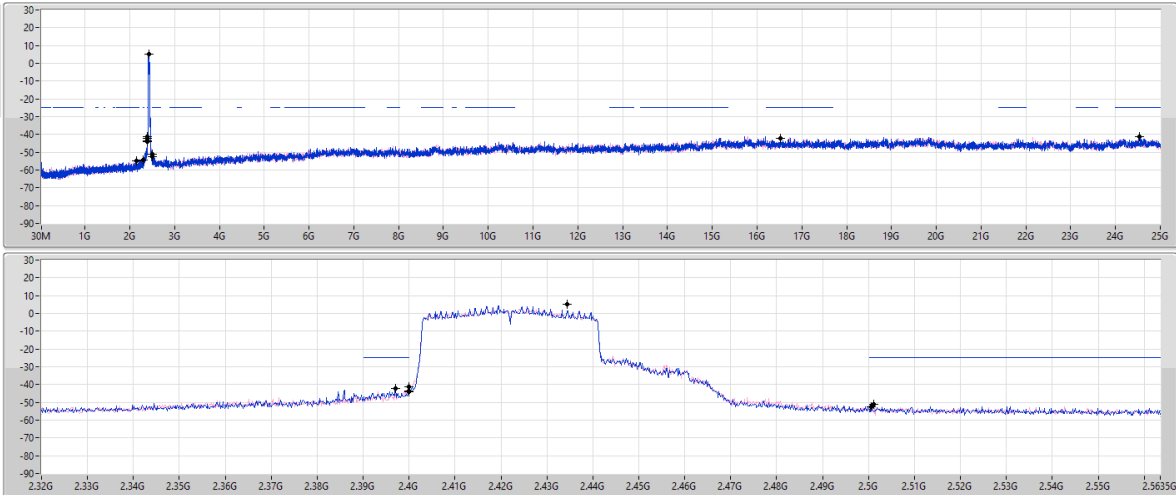
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	10.17	-19.83	1.83109G	-55.05	2.39776G	-41.01	2.4G	-44.71	2.51174G	-53.36	24.57014G	-42.21	1
2.43824G	10.17	-19.83	2.30525G	-54.40	2.39808G	-41.33	2.4G	-45.95	2.5163G	-52.32	23.14569G	-41.90	2

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

CSEndB

2422MHz

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4344G	5.16	-24.84	2.14253G	-54.87	2.39712G	-42.31	2.4G	-44.27	2.50062G	-52.29	16.5162G	-42.26	1
2.4344G	5.16	-24.84	2.30741G	-54.45	2.4G	-43.42	2.4G	-41.23	2.5011G	-51.05	24.33725G	-41.47	2



Summary

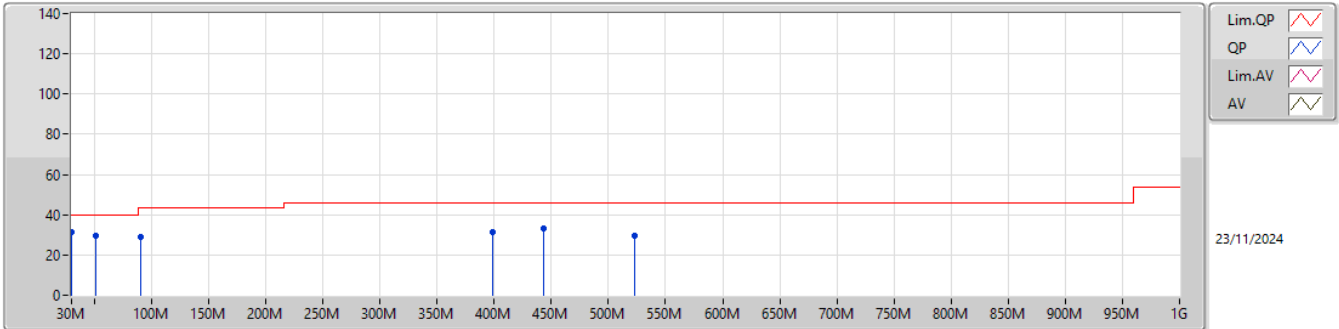
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	PK	30M	32.00	40.00	-8.00	3	Horizontal	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	31.14	40.00	-8.86	3	Vertical	0	1.00
2437MHz	Pass	PK	51.34M	29.74	40.00	-10.26	3	Vertical	0	1.00
2437MHz	Pass	PK	90.14M	28.80	43.50	-14.70	3	Vertical	0	1.00
2437MHz	Pass	PK	398.6M	31.17	46.00	-14.83	3	Vertical	0	1.00
2437MHz	Pass	PK	443.22M	32.99	46.00	-13.01	3	Vertical	0	1.00
2437MHz	Pass	PK	522.76M	29.68	46.00	-16.32	3	Vertical	0	1.00
2437MHz	Pass	PK	30M	32.00	40.00	-8.00	3	Horizontal	360	1.00
2437MHz	Pass	PK	90.14M	30.24	43.50	-13.26	3	Horizontal	360	1.00
2437MHz	Pass	PK	348.16M	30.05	46.00	-15.95	3	Horizontal	360	1.00
2437MHz	Pass	PK	398.6M	35.64	46.00	-10.36	3	Horizontal	360	1.00
2437MHz	Pass	PK	454.86M	31.95	46.00	-14.05	3	Horizontal	360	1.00
2437MHz	Pass	PK	503.36M	28.35	46.00	-17.65	3	Horizontal	360	1.00

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

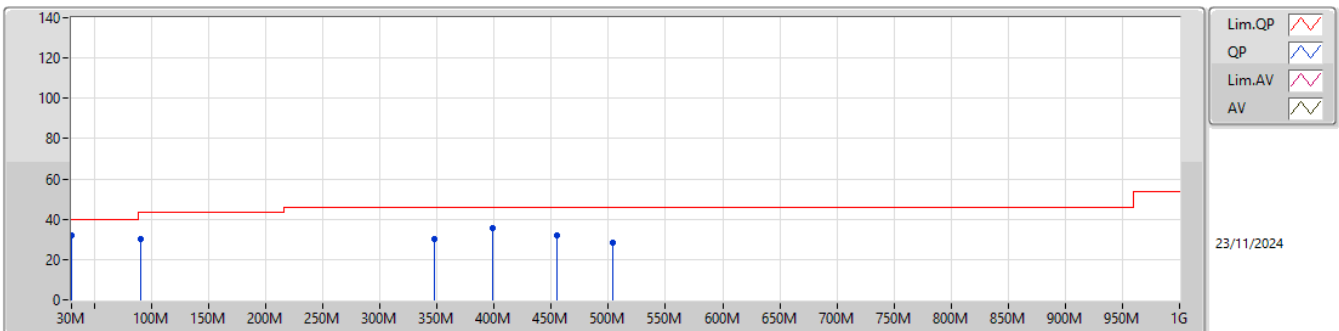
2437MHz_PoE



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)				
PK	30M	31.14	40.00	-8.86	-3.60	3	Vertical	0	1.00	34.74	23.36	0.42	27.38				
PK	51.34M	29.74	40.00	-10.26	-14.06	3	Vertical	0	1.00	43.80	12.76	0.53	27.35				
PK	90.14M	28.80	43.50	-14.70	-12.43	3	Vertical	0	1.00	41.23	14.11	0.72	27.26				
PK	398.6M	31.17	46.00	-14.83	-5.01	3	Vertical	0	1.00	36.18	20.83	1.52	27.36				
PK	443.22M	32.99	46.00	-13.01	-4.54	3	Vertical	0	1.00	37.53	21.72	1.59	27.85				
PK	522.76M	29.68	46.00	-16.32	-3.98	3	Vertical	0	1.00	33.66	22.51	1.72	28.21				

2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2437MHz_PoE



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)				
PK	30M	32.00	40.00	-8.00	-3.60	3	Horizontal	360	1.00	35.60	23.36	0.42	27.38				
PK	90.14M	30.24	43.50	-13.26	-12.43	3	Horizontal	360	1.00	42.67	14.11	0.72	27.26				
PK	348.16M	30.05	46.00	-15.95	-6.34	3	Horizontal	360	1.00	36.39	19.25	1.43	27.02				
PK	398.6M	35.64	46.00	-10.36	-5.01	3	Horizontal	360	1.00	40.65	20.83	1.52	27.36				
PK	454.86M	31.95	46.00	-14.05	-4.48	3	Horizontal	360	1.00	36.43	21.85	1.61	27.94				
PK	503.36M	28.35	46.00	-17.65	-3.79	3	Horizontal	360	1.00	32.14	22.58	1.70	28.07				



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.4868G	52.87	54.00	-1.13	3	Horizontal	316	2.43
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.3886G	52.84	54.00	-1.16	3	Horizontal	334	2.54
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	AV	2.484G	53.48	54.00	-0.52	3	Horizontal	335	2.29
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	AV	2.3884G	53.07	54.00	-0.93	3	Horizontal	346	2.29

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3718G	46.89	54.00	-7.11	3	Vertical	334	2.84
2412MHz	Pass	AV	2.4112G	109.52	Inf	-Inf	3	Vertical	334	2.84
2412MHz	Pass	PK	2.371G	57.05	74.00	-16.95	3	Vertical	334	2.84
2412MHz	Pass	PK	2.4112G	112.19	Inf	-Inf	3	Vertical	334	2.84
2412MHz	Pass	AV	2.3712G	50.52	54.00	-3.48	3	Horizontal	342	2.60
2412MHz	Pass	AV	2.4112G	113.61	Inf	-Inf	3	Horizontal	342	2.60
2412MHz	Pass	PK	2.3824G	59.32	74.00	-14.68	3	Horizontal	342	2.60
2412MHz	Pass	PK	2.4112G	116.34	Inf	-Inf	3	Horizontal	342	2.60
2412MHz	Pass	AV	4.82396G	48.55	54.00	-5.45	3	Vertical	185	1.03
2412MHz	Pass	PK	4.82392G	51.03	74.00	-22.97	3	Vertical	185	1.03
2412MHz	Pass	AV	4.82396G	49.93	54.00	-4.07	3	Horizontal	322	1.30
2412MHz	Pass	PK	4.82404G	52.28	74.00	-21.72	3	Horizontal	322	1.30
2417MHz	Pass	AV	2.3876G	44.66	54.00	-9.34	3	Vertical	1	1.16
2417MHz	Pass	AV	2.4162G	111.28	Inf	-Inf	3	Vertical	1	1.16
2417MHz	Pass	PK	2.39G	58.23	74.00	-15.77	3	Vertical	1	1.16
2417MHz	Pass	PK	2.4178G	113.98	Inf	-Inf	3	Vertical	1	1.16
2417MHz	Pass	AV	2.3832G	49.13	54.00	-4.87	3	Horizontal	321	2.87
2417MHz	Pass	AV	2.4178G	115.25	Inf	-Inf	3	Horizontal	321	2.87
2417MHz	Pass	PK	2.3848G	58.37	74.00	-15.63	3	Horizontal	321	2.87
2417MHz	Pass	PK	2.4178G	118.04	Inf	-Inf	3	Horizontal	321	2.87
2437MHz	Pass	AV	2.3754G	44.04	54.00	-9.96	3	Vertical	0	1.13
2437MHz	Pass	AV	2.4362G	111.76	Inf	-Inf	3	Vertical	0	1.13
2437MHz	Pass	AV	2.4838G	46.48	54.00	-7.52	3	Vertical	0	1.13
2437MHz	Pass	PK	2.3866G	56.65	74.00	-17.35	3	Vertical	0	1.13
2437MHz	Pass	PK	2.4362G	114.34	Inf	-Inf	3	Vertical	0	1.13
2437MHz	Pass	PK	2.4835G	58.16	74.00	-15.84	3	Vertical	0	1.13
2437MHz	Pass	AV	2.3882G	49.64	54.00	-4.36	3	Horizontal	319	2.81
2437MHz	Pass	AV	2.4378G	115.45	Inf	-Inf	3	Horizontal	319	2.81
2437MHz	Pass	AV	2.4838G	52.20	54.00	-1.80	3	Horizontal	319	2.81
2437MHz	Pass	PK	2.3886G	58.97	74.00	-15.03	3	Horizontal	319	2.81
2437MHz	Pass	PK	2.4378G	118.22	Inf	-Inf	3	Horizontal	319	2.81
2437MHz	Pass	PK	2.4838G	60.13	74.00	-13.87	3	Horizontal	319	2.81
2437MHz	Pass	AV	4.874G	48.30	54.00	-5.70	3	Vertical	209	1.04
2437MHz	Pass	AV	7.3102G	48.15	54.00	-5.85	3	Vertical	22	1.01
2437MHz	Pass	PK	4.87404G	50.54	74.00	-23.46	3	Vertical	209	1.04
2437MHz	Pass	PK	7.31004G	54.09	74.00	-19.91	3	Vertical	22	1.01
2437MHz	Pass	AV	4.87396G	49.89	54.00	-4.11	3	Horizontal	318	1.10
2437MHz	Pass	AV	7.3102G	48.72	54.00	-5.28	3	Horizontal	33	1.37
2437MHz	Pass	PK	4.87396G	52.07	74.00	-21.93	3	Horizontal	318	1.10
2437MHz	Pass	PK	7.31012G	54.57	74.00	-19.43	3	Horizontal	33	1.37
2457MHz	Pass	AV	2.4562G	109.06	Inf	-Inf	3	Vertical	49	1.13
2457MHz	Pass	AV	2.4836G	46.86	54.00	-7.14	3	Vertical	49	1.13
2457MHz	Pass	PK	2.4562G	111.70	Inf	-Inf	3	Vertical	49	1.13
2457MHz	Pass	PK	2.4924G	57.50	74.00	-16.50	3	Vertical	49	1.13
2457MHz	Pass	AV	2.4578G	114.35	Inf	-Inf	3	Horizontal	321	2.38
2457MHz	Pass	AV	2.4838G	49.06	54.00	-4.94	3	Horizontal	321	2.38
2457MHz	Pass	PK	2.4578G	116.97	Inf	-Inf	3	Horizontal	321	2.38
2457MHz	Pass	PK	2.4838G	58.77	74.00	-15.23	3	Horizontal	321	2.38
2462MHz	Pass	AV	2.4628G	108.74	Inf	-Inf	3	Vertical	47	1.47
2462MHz	Pass	AV	2.4868G	48.20	54.00	-5.80	3	Vertical	47	1.47
2462MHz	Pass	PK	2.4628G	111.42	Inf	-Inf	3	Vertical	47	1.47
2462MHz	Pass	PK	2.4835G	58.70	74.00	-15.30	3	Vertical	47	1.47
2462MHz	Pass	AV	2.4628G	114.03	Inf	-Inf	3	Horizontal	316	2.43
2462MHz	Pass	AV	2.4868G	52.87	54.00	-1.13	3	Horizontal	316	2.43
2462MHz	Pass	PK	2.4628G	116.70	Inf	-Inf	3	Horizontal	316	2.43
2462MHz	Pass	PK	2.4835G	60.69	74.00	-13.31	3	Horizontal	316	2.43
2462MHz	Pass	AV	4.924G	47.91	54.00	-6.09	3	Vertical	31	1.38
2462MHz	Pass	AV	7.38472G	41.17	54.00	-12.83	3	Vertical	20	1.27
2462MHz	Pass	PK	4.924G	50.66	74.00	-23.34	3	Vertical	31	1.38
2462MHz	Pass	PK	7.38432G	50.57	74.00	-23.43	3	Vertical	20	1.27

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	4.92396G	51.93	54.00	-2.07	3	Horizontal	320	1.08
2462MHz	Pass	AV	7.38524G	43.50	54.00	-10.50	3	Horizontal	33	1.81
2462MHz	Pass	PK	4.924G	53.92	74.00	-20.08	3	Horizontal	320	1.08
2462MHz	Pass	PK	7.38496G	51.26	74.00	-22.74	3	Horizontal	33	1.81
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3894G	45.21	54.00	-8.79	3	Vertical	331	2.68
2412MHz	Pass	AV	2.411G	103.24	Inf	-Inf	3	Vertical	331	2.68
2412MHz	Pass	PK	2.3894G	67.94	74.00	-6.06	3	Vertical	331	2.68
2412MHz	Pass	PK	2.4108G	113.10	Inf	-Inf	3	Vertical	331	2.68
2412MHz	Pass	AV	2.39G	46.32	54.00	-7.68	3	Horizontal	337	2.28
2412MHz	Pass	AV	2.411G	105.76	Inf	-Inf	3	Horizontal	337	2.28
2412MHz	Pass	PK	2.3898G	70.47	74.00	-3.53	3	Horizontal	337	2.28
2412MHz	Pass	PK	2.4114G	116.03	Inf	-Inf	3	Horizontal	337	2.28
2412MHz	Pass	AV	4.82424G	30.75	54.00	-23.25	3	Vertical	11	1.50
2412MHz	Pass	PK	4.82416G	44.18	74.00	-29.82	3	Vertical	11	1.50
2412MHz	Pass	AV	4.82004G	32.31	54.00	-21.69	3	Horizontal	326	1.00
2412MHz	Pass	PK	4.82436G	46.34	74.00	-27.66	3	Horizontal	326	1.00
2417MHz	Pass	AV	2.3876G	45.22	54.00	-8.78	3	Vertical	335	2.27
2417MHz	Pass	AV	2.4178G	104.12	Inf	-Inf	3	Vertical	335	2.27
2417MHz	Pass	PK	2.3882G	67.11	74.00	-6.89	3	Vertical	335	2.27
2417MHz	Pass	PK	2.4182G	114.42	Inf	-Inf	3	Vertical	335	2.27
2417MHz	Pass	AV	2.3884G	48.09	54.00	-5.91	3	Horizontal	339	2.29
2417MHz	Pass	AV	2.418G	106.62	Inf	-Inf	3	Horizontal	339	2.29
2417MHz	Pass	PK	2.3874G	72.10	74.00	-1.90	3	Horizontal	339	2.29
2417MHz	Pass	PK	2.4186G	117.13	Inf	-Inf	3	Horizontal	339	2.29
2437MHz	Pass	AV	2.3886G	49.50	54.00	-4.50	3	Vertical	326	2.23
2437MHz	Pass	AV	2.4382G	106.73	Inf	-Inf	3	Vertical	326	2.23
2437MHz	Pass	AV	2.4835G	49.40	54.00	-4.60	3	Vertical	326	2.23
2437MHz	Pass	PK	2.389G	67.69	74.00	-6.31	3	Vertical	326	2.23
2437MHz	Pass	PK	2.4386G	116.19	Inf	-Inf	3	Vertical	326	2.23
2437MHz	Pass	PK	2.4835G	66.95	74.00	-7.05	3	Vertical	326	2.23
2437MHz	Pass	AV	2.3886G	52.84	54.00	-1.16	3	Horizontal	334	2.54
2437MHz	Pass	AV	2.4382G	108.62	Inf	-Inf	3	Horizontal	334	2.54
2437MHz	Pass	AV	2.4838G	50.79	54.00	-3.21	3	Horizontal	334	2.54
2437MHz	Pass	PK	2.3886G	69.90	74.00	-4.10	3	Horizontal	334	2.54
2437MHz	Pass	PK	2.4338G	118.27	Inf	-Inf	3	Horizontal	334	2.54
2437MHz	Pass	PK	2.4838G	69.93	74.00	-4.07	3	Horizontal	334	2.54
2437MHz	Pass	AV	4.87452G	34.20	54.00	-19.80	3	Vertical	201	1.02
2437MHz	Pass	AV	7.30972G	36.57	54.00	-17.43	3	Vertical	205	1.81
2437MHz	Pass	PK	4.87464G	47.66	74.00	-26.34	3	Vertical	201	1.02
2437MHz	Pass	PK	7.30972G	50.14	74.00	-23.86	3	Vertical	205	1.81
2437MHz	Pass	AV	4.87392G	34.12	54.00	-19.88	3	Horizontal	324	1.27
2437MHz	Pass	AV	7.30904G	39.23	54.00	-14.77	3	Horizontal	313	1.85
2437MHz	Pass	PK	4.8748G	48.70	74.00	-25.30	3	Horizontal	324	1.27
2437MHz	Pass	PK	7.30924G	53.15	74.00	-20.85	3	Horizontal	313	1.85
2457MHz	Pass	AV	2.456G	104.71	Inf	-Inf	3	Vertical	323	2.56
2457MHz	Pass	AV	2.4856G	48.59	54.00	-5.41	3	Vertical	323	2.56
2457MHz	Pass	PK	2.4564G	114.68	Inf	-Inf	3	Vertical	323	2.56
2457MHz	Pass	PK	2.4854G	70.26	74.00	-3.74	3	Vertical	323	2.56
2457MHz	Pass	AV	2.4556G	106.58	Inf	-Inf	3	Horizontal	336	2.29
2457MHz	Pass	AV	2.4854G	49.08	54.00	-4.92	3	Horizontal	336	2.29
2457MHz	Pass	PK	2.456G	116.98	Inf	-Inf	3	Horizontal	336	2.29
2457MHz	Pass	PK	2.4866G	70.69	74.00	-3.31	3	Horizontal	336	2.29
2462MHz	Pass	AV	2.4642G	100.58	Inf	-Inf	3	Vertical	51	1.50
2462MHz	Pass	AV	2.4835G	47.11	54.00	-6.89	3	Vertical	51	1.50
2462MHz	Pass	PK	2.4592G	111.12	Inf	-Inf	3	Vertical	51	1.50
2462MHz	Pass	PK	2.4842G	69.83	74.00	-4.17	3	Vertical	51	1.50
2462MHz	Pass	AV	2.4638G	105.18	Inf	-Inf	3	Horizontal	326	2.87
2462MHz	Pass	AV	2.4838G	48.75	54.00	-5.25	3	Horizontal	326	2.87
2462MHz	Pass	PK	2.4642G	116.07	Inf	-Inf	3	Horizontal	326	2.87
2462MHz	Pass	PK	2.4836G	71.43	74.00	-2.57	3	Horizontal	326	2.87
2462MHz	Pass	AV	4.92468G	33.24	54.00	-20.76	3	Vertical	202	1.15

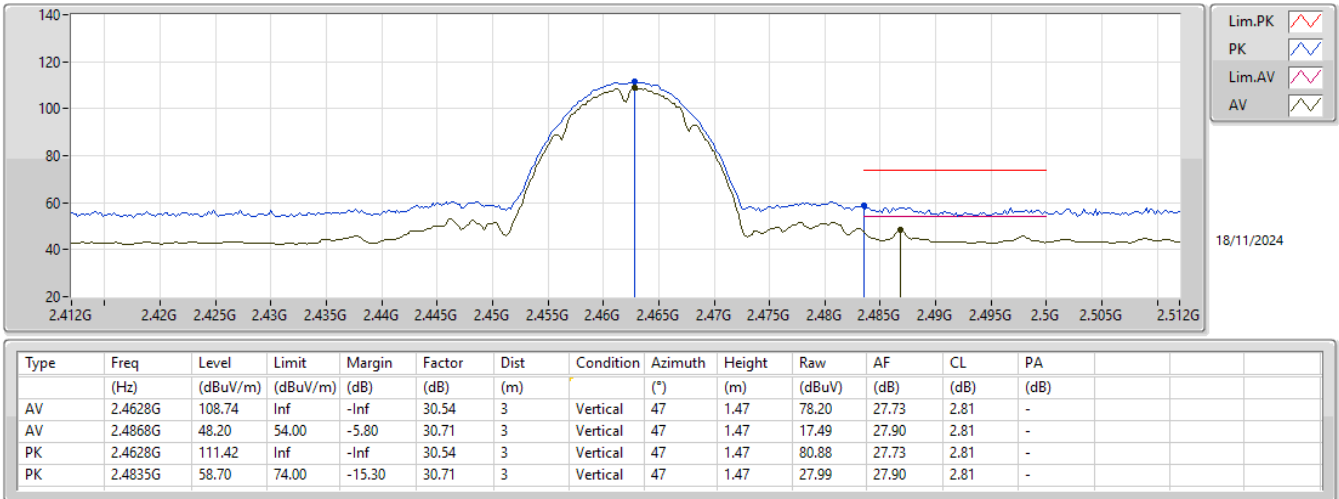
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	7.38512G	35.18	54.00	-18.82	3	Vertical	62	1.67
2462MHz	Pass	PK	4.92448G	46.70	74.00	-27.30	3	Vertical	202	1.15
2462MHz	Pass	PK	7.37948G	49.04	74.00	-24.96	3	Vertical	62	1.67
2462MHz	Pass	AV	4.92448G	34.02	54.00	-19.98	3	Horizontal	330	1.22
2462MHz	Pass	AV	7.38296G	35.72	54.00	-18.28	3	Horizontal	39	1.60
2462MHz	Pass	PK	4.9238G	47.87	74.00	-26.13	3	Horizontal	330	1.22
2462MHz	Pass	PK	7.38804G	49.10	74.00	-24.90	3	Horizontal	39	1.60
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3892G	46.88	54.00	-7.12	3	Vertical	330	2.67
2412MHz	Pass	AV	2.4112G	102.14	Inf	-Inf	3	Vertical	330	2.67
2412MHz	Pass	PK	2.389G	67.21	74.00	-6.79	3	Vertical	330	2.67
2412MHz	Pass	PK	2.4112G	114.43	Inf	-Inf	3	Vertical	330	2.67
2412MHz	Pass	AV	2.389G	49.35	54.00	-4.65	3	Horizontal	341	2.31
2412MHz	Pass	AV	2.4114G	105.09	Inf	-Inf	3	Horizontal	341	2.31
2412MHz	Pass	PK	2.39G	71.47	74.00	-2.53	3	Horizontal	341	2.31
2412MHz	Pass	PK	2.4112G	117.23	Inf	-Inf	3	Horizontal	341	2.31
2412MHz	Pass	AV	4.81948G	32.05	54.00	-21.95	3	Vertical	202	1.00
2412MHz	Pass	PK	4.8244G	45.25	74.00	-28.75	3	Vertical	202	1.00
2412MHz	Pass	AV	4.82172G	32.66	54.00	-21.34	3	Horizontal	325	1.25
2412MHz	Pass	PK	4.82928G	45.42	74.00	-28.58	3	Horizontal	325	1.25
2417MHz	Pass	AV	2.3898G	48.87	54.00	-5.13	3	Vertical	327	2.55
2417MHz	Pass	AV	2.4176G	103.82	Inf	-Inf	3	Vertical	327	2.55
2417MHz	Pass	PK	2.39G	68.39	74.00	-5.61	3	Vertical	327	2.55
2417MHz	Pass	PK	2.4178G	116.42	Inf	-Inf	3	Vertical	327	2.55
2417MHz	Pass	AV	2.39G	51.02	54.00	-2.98	3	Horizontal	342	2.33
2417MHz	Pass	AV	2.4176G	106.05	Inf	-Inf	3	Horizontal	342	2.33
2417MHz	Pass	PK	2.39G	72.24	74.00	-1.76	3	Horizontal	342	2.33
2417MHz	Pass	PK	2.4176G	118.23	Inf	-Inf	3	Horizontal	342	2.33
2437MHz	Pass	AV	2.3886G	49.36	54.00	-4.64	3	Vertical	334	2.50
2437MHz	Pass	AV	2.4362G	105.81	Inf	-Inf	3	Vertical	334	2.50
2437MHz	Pass	AV	2.4838G	48.52	54.00	-5.48	3	Vertical	334	2.50
2437MHz	Pass	PK	2.3886G	66.99	74.00	-7.01	3	Vertical	334	2.50
2437MHz	Pass	PK	2.4362G	117.74	Inf	-Inf	3	Vertical	334	2.50
2437MHz	Pass	PK	2.4835G	67.69	74.00	-6.31	3	Vertical	334	2.50
2437MHz	Pass	AV	2.3886G	52.52	54.00	-1.48	3	Horizontal	338	2.51
2437MHz	Pass	AV	2.4366G	107.54	Inf	-Inf	3	Horizontal	338	2.51
2437MHz	Pass	AV	2.4842G	49.47	54.00	-4.53	3	Horizontal	338	2.51
2437MHz	Pass	PK	2.3886G	70.47	74.00	-3.53	3	Horizontal	338	2.51
2437MHz	Pass	PK	2.439G	119.26	Inf	-Inf	3	Horizontal	338	2.51
2437MHz	Pass	PK	2.4838G	69.06	74.00	-4.94	3	Horizontal	338	2.51
2437MHz	Pass	AV	4.87428G	34.65	54.00	-19.35	3	Vertical	200	1.04
2437MHz	Pass	AV	7.31236G	36.74	54.00	-17.26	3	Vertical	320	1.50
2437MHz	Pass	PK	4.8746G	47.77	74.00	-26.23	3	Vertical	200	1.04
2437MHz	Pass	PK	7.31728G	49.43	74.00	-24.57	3	Vertical	320	1.50
2437MHz	Pass	AV	4.87424G	34.51	54.00	-19.49	3	Horizontal	319	1.10
2437MHz	Pass	AV	7.31148G	38.42	54.00	-15.58	3	Horizontal	309	1.83
2437MHz	Pass	PK	4.8746G	47.35	74.00	-26.65	3	Horizontal	319	1.10
2437MHz	Pass	PK	7.31388G	51.33	74.00	-22.67	3	Horizontal	309	1.83
2457MHz	Pass	AV	2.4562G	104.11	Inf	-Inf	3	Vertical	25	2.76
2457MHz	Pass	AV	2.4836G	52.23	54.00	-1.77	3	Vertical	25	2.76
2457MHz	Pass	PK	2.456G	116.83	Inf	-Inf	3	Vertical	25	2.76
2457MHz	Pass	PK	2.4884G	71.81	74.00	-2.19	3	Vertical	25	2.76
2457MHz	Pass	AV	2.4564G	106.70	Inf	-Inf	3	Horizontal	335	2.29
2457MHz	Pass	AV	2.484G	53.48	54.00	-0.52	3	Horizontal	335	2.29
2457MHz	Pass	PK	2.456G	118.17	Inf	-Inf	3	Horizontal	335	2.29
2457MHz	Pass	PK	2.484G	71.99	74.00	-2.01	3	Horizontal	335	2.29
2462MHz	Pass	AV	2.4636G	103.12	Inf	-Inf	3	Vertical	20	2.78
2462MHz	Pass	AV	2.4838G	48.15	54.00	-5.85	3	Vertical	20	2.78
2462MHz	Pass	PK	2.4614G	115.25	Inf	-Inf	3	Vertical	20	2.78
2462MHz	Pass	PK	2.486G	67.96	74.00	-6.04	3	Vertical	20	2.78
2462MHz	Pass	AV	2.4626G	105.78	Inf	-Inf	3	Horizontal	41	2.21
2462MHz	Pass	AV	2.4852G	50.00	54.00	-4.00	3	Horizontal	41	2.21

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	PK	2.4626G	117.33	Inf	-Inf	3	Horizontal	41	2.21
2462MHz	Pass	PK	2.485G	73.20	74.00	-0.80	3	Horizontal	41	2.21
2462MHz	Pass	AV	4.92432G	34.54	54.00	-19.46	3	Vertical	198	1.01
2462MHz	Pass	AV	7.38096G	35.50	54.00	-18.50	3	Vertical	321	1.86
2462MHz	Pass	PK	4.92408G	46.59	74.00	-27.41	3	Vertical	198	1.01
2462MHz	Pass	PK	7.38328G	47.52	74.00	-26.48	3	Vertical	321	1.86
2462MHz	Pass	AV	4.92408G	34.74	54.00	-19.26	3	Horizontal	327	1.09
2462MHz	Pass	AV	7.38008G	35.74	54.00	-18.26	3	Horizontal	311	2.03
2462MHz	Pass	PK	4.92436G	47.70	74.00	-26.30	3	Horizontal	327	1.09
2462MHz	Pass	PK	7.38724G	48.89	74.00	-25.11	3	Horizontal	311	2.03
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.388G	49.87	54.00	-4.13	3	Vertical	336	2.87
2422MHz	Pass	AV	2.4208G	100.50	Inf	-Inf	3	Vertical	336	2.87
2422MHz	Pass	AV	2.4884G	45.35	54.00	-8.65	3	Vertical	336	2.87
2422MHz	Pass	PK	2.3884G	66.42	74.00	-7.58	3	Vertical	336	2.87
2422MHz	Pass	PK	2.4212G	112.44	Inf	-Inf	3	Vertical	336	2.87
2422MHz	Pass	PK	2.4835G	58.43	74.00	-15.57	3	Vertical	336	2.87
2422MHz	Pass	AV	2.3884G	53.07	54.00	-0.93	3	Horizontal	346	2.29
2422MHz	Pass	AV	2.4212G	103.49	Inf	-Inf	3	Horizontal	346	2.29
2422MHz	Pass	AV	2.4835G	45.90	54.00	-8.10	3	Horizontal	346	2.29
2422MHz	Pass	PK	2.3892G	67.60	74.00	-6.40	3	Horizontal	346	2.29
2422MHz	Pass	PK	2.4188G	114.42	Inf	-Inf	3	Horizontal	346	2.29
2422MHz	Pass	PK	2.4864G	59.26	74.00	-14.74	3	Horizontal	346	2.29
2422MHz	Pass	AV	4.84168G	30.51	54.00	-23.49	3	Vertical	200	1.01
2422MHz	Pass	AV	7.27856G	35.27	54.00	-18.73	3	Vertical	167	1.50
2422MHz	Pass	PK	4.84464G	42.87	74.00	-31.13	3	Vertical	200	1.01
2422MHz	Pass	PK	7.25136G	47.38	74.00	-26.62	3	Vertical	167	1.50
2422MHz	Pass	AV	4.83936G	30.48	54.00	-23.52	3	Horizontal	322	1.00
2422MHz	Pass	AV	7.2776G	35.08	54.00	-18.92	3	Horizontal	172	1.50
2422MHz	Pass	PK	4.83952G	43.56	74.00	-30.44	3	Horizontal	322	1.00
2422MHz	Pass	PK	7.28G	47.47	74.00	-26.53	3	Horizontal	172	1.50
2427MHz	Pass	AV	2.389G	48.85	54.00	-5.15	3	Vertical	327	2.32
2427MHz	Pass	AV	2.4262G	100.77	Inf	-Inf	3	Vertical	327	2.32
2427MHz	Pass	AV	2.4858G	45.96	54.00	-8.04	3	Vertical	327	2.32
2427MHz	Pass	PK	2.387G	62.07	74.00	-11.93	3	Vertical	327	2.32
2427MHz	Pass	PK	2.4314G	112.89	Inf	-Inf	3	Vertical	327	2.32
2427MHz	Pass	PK	2.4846G	60.41	74.00	-13.59	3	Vertical	327	2.32
2427MHz	Pass	AV	2.3886G	51.84	54.00	-2.16	3	Horizontal	338	2.35
2427MHz	Pass	AV	2.4262G	102.81	Inf	-Inf	3	Horizontal	338	2.35
2427MHz	Pass	AV	2.4866G	46.61	54.00	-7.39	3	Horizontal	338	2.35
2427MHz	Pass	PK	2.3882G	66.40	74.00	-7.60	3	Horizontal	338	2.35
2427MHz	Pass	PK	2.4286G	113.90	Inf	-Inf	3	Horizontal	338	2.35
2427MHz	Pass	PK	2.4862G	60.41	74.00	-13.59	3	Horizontal	338	2.35
2437MHz	Pass	AV	2.3886G	49.15	54.00	-4.85	3	Vertical	333	2.20
2437MHz	Pass	AV	2.4362G	101.39	Inf	-Inf	3	Vertical	333	2.20
2437MHz	Pass	AV	2.4838G	48.81	54.00	-5.19	3	Vertical	333	2.20
2437MHz	Pass	PK	2.3714G	65.89	74.00	-8.11	3	Vertical	333	2.20
2437MHz	Pass	PK	2.441G	112.82	Inf	-Inf	3	Vertical	333	2.20
2437MHz	Pass	PK	2.4914G	64.74	74.00	-9.26	3	Vertical	333	2.20
2437MHz	Pass	AV	2.389G	53.00	54.00	-1.00	3	Horizontal	333	2.54
2437MHz	Pass	AV	2.4338G	103.38	Inf	-Inf	3	Horizontal	333	2.54
2437MHz	Pass	AV	2.4842G	50.33	54.00	-3.67	3	Horizontal	333	2.54
2437MHz	Pass	PK	2.3898G	66.73	74.00	-7.27	3	Horizontal	333	2.54
2437MHz	Pass	PK	2.439G	115.85	Inf	-Inf	3	Horizontal	333	2.54
2437MHz	Pass	PK	2.4866G	63.86	74.00	-10.14	3	Horizontal	333	2.54
2437MHz	Pass	AV	4.87688G	31.32	54.00	-22.68	3	Vertical	205	1.05
2437MHz	Pass	AV	7.3074G	35.24	54.00	-18.76	3	Vertical	185	1.50
2437MHz	Pass	PK	4.8748G	43.78	74.00	-30.22	3	Vertical	202	1.05
2437MHz	Pass	PK	7.29132G	47.94	74.00	-26.06	3	Vertical	185	1.50
2437MHz	Pass	AV	4.88208G	31.12	54.00	-22.88	3	Horizontal	326	1.01
2437MHz	Pass	AV	7.30804G	35.23	54.00	-18.77	3	Horizontal	40	1.59
2437MHz	Pass	PK	4.87424G	43.87	74.00	-30.13	3	Horizontal	326	1.01

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2437MHz	Pass	PK	7.3018G	48.02	74.00	-25.98	3	Horizontal	40	1.59
2452MHz	Pass	AV	2.3892G	46.51	54.00	-7.49	3	Vertical	329	2.27
2452MHz	Pass	AV	2.4512G	100.49	Inf	-Inf	3	Vertical	329	2.27
2452MHz	Pass	AV	2.4844G	50.07	54.00	-3.93	3	Vertical	329	2.27
2452MHz	Pass	PK	2.3832G	60.99	74.00	-13.01	3	Vertical	329	2.27
2452MHz	Pass	PK	2.4536G	112.39	Inf	-Inf	3	Vertical	329	2.27
2452MHz	Pass	PK	2.494G	63.06	74.00	-10.94	3	Vertical	329	2.27
2452MHz	Pass	AV	2.3888G	48.77	54.00	-5.23	3	Horizontal	327	2.53
2452MHz	Pass	AV	2.454G	102.47	Inf	-Inf	3	Horizontal	327	2.53
2452MHz	Pass	AV	2.4844G	52.48	54.00	-1.52	3	Horizontal	327	2.53
2452MHz	Pass	PK	2.3896G	65.70	74.00	-8.30	3	Horizontal	327	2.53
2452MHz	Pass	PK	2.4416G	113.94	Inf	-Inf	3	Horizontal	327	2.53
2452MHz	Pass	PK	2.492G	65.25	74.00	-8.75	3	Horizontal	327	2.53
2452MHz	Pass	AV	4.90424G	31.12	54.00	-22.88	3	Vertical	200	1.01
2452MHz	Pass	AV	7.33872G	35.30	54.00	-18.70	3	Vertical	307	1.50
2452MHz	Pass	PK	4.9048G	44.37	74.00	-29.63	3	Vertical	200	1.01
2452MHz	Pass	PK	7.35496G	47.75	74.00	-26.25	3	Vertical	307	1.50
2452MHz	Pass	AV	4.90416G	30.29	54.00	-23.71	3	Horizontal	26	1.86
2452MHz	Pass	AV	7.35032G	35.15	54.00	-18.85	3	Horizontal	0	1.50
2452MHz	Pass	PK	4.90416G	42.78	74.00	-31.22	3	Horizontal	26	1.86
2452MHz	Pass	PK	7.35096G	47.61	74.00	-26.39	3	Horizontal	0	1.50

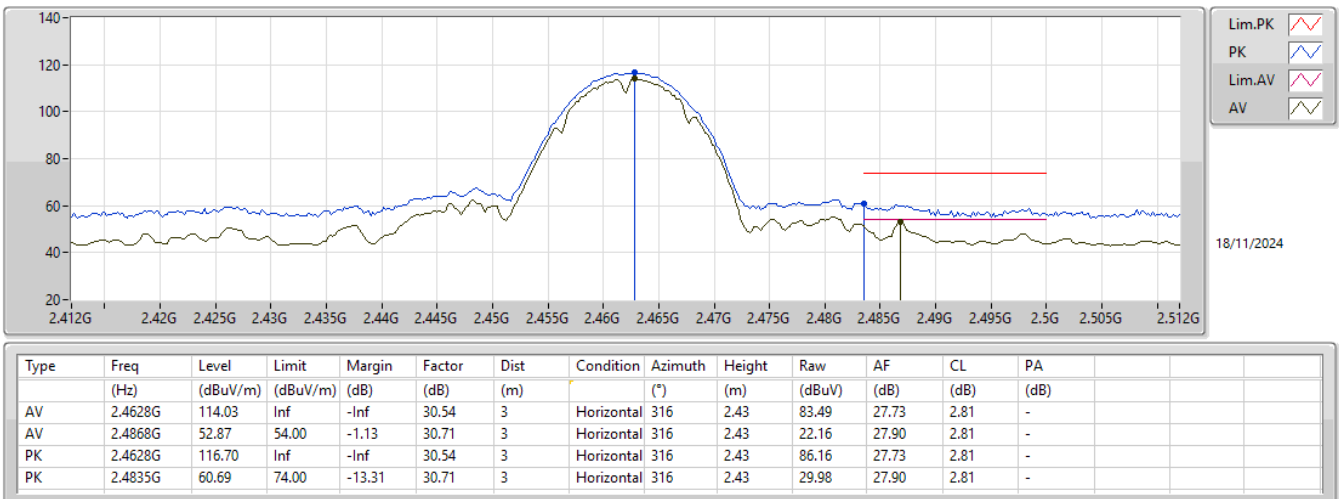
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2462MHz_TX



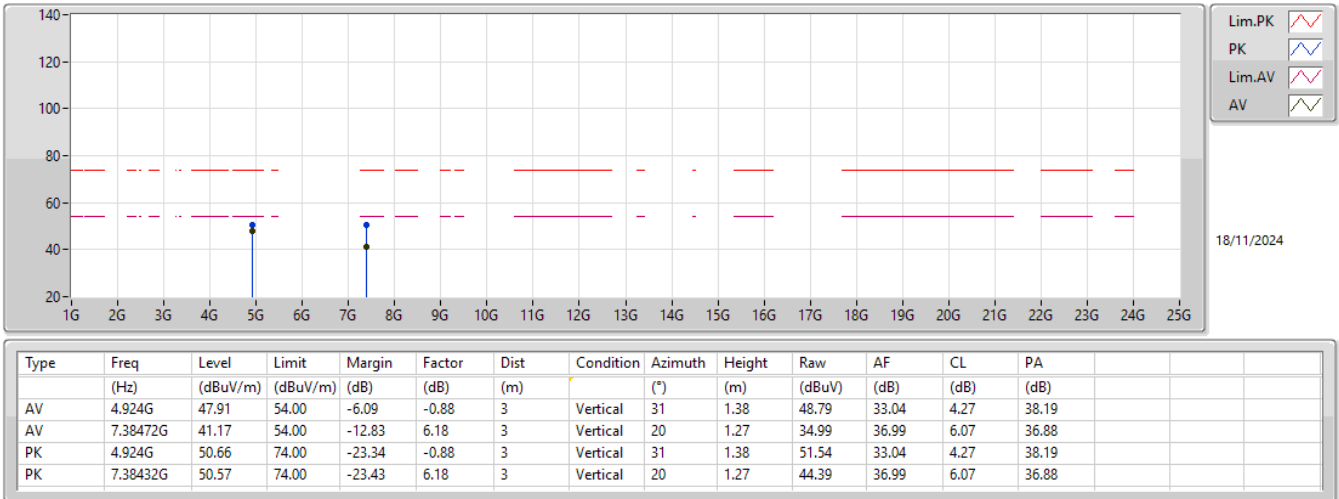
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2462MHz_TX



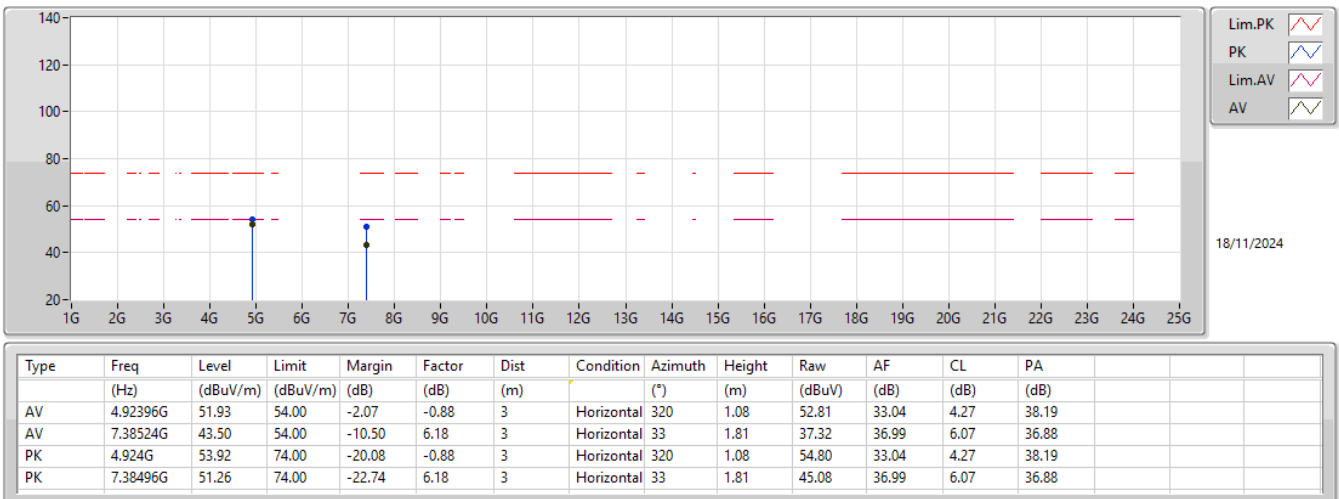
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2462MHz_TX



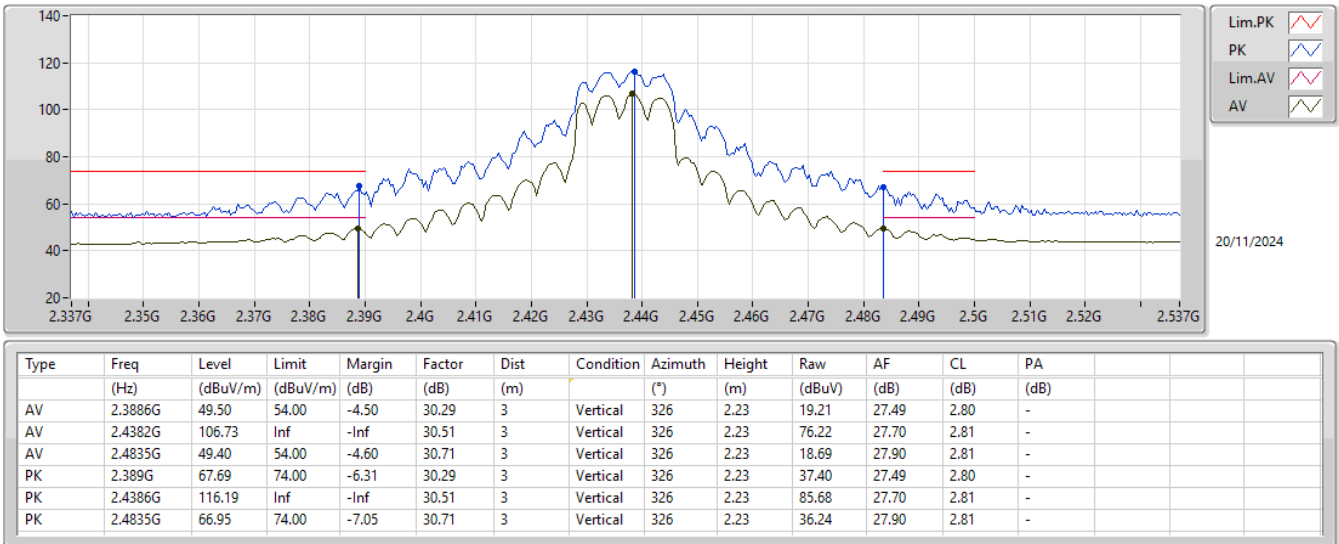
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2462MHz_TX



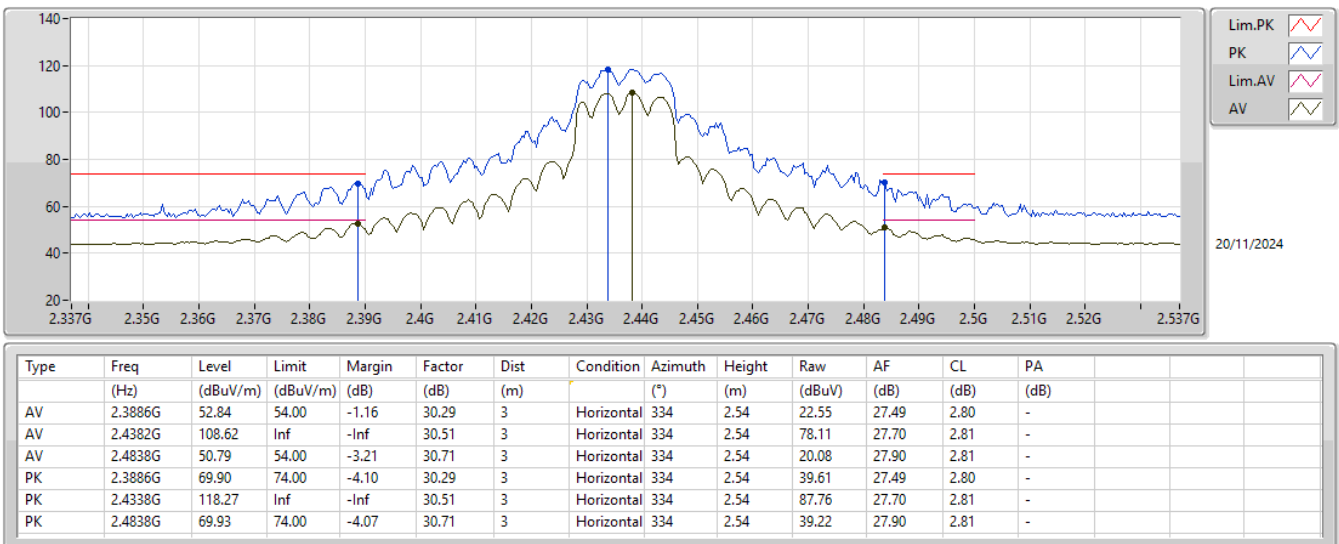
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX



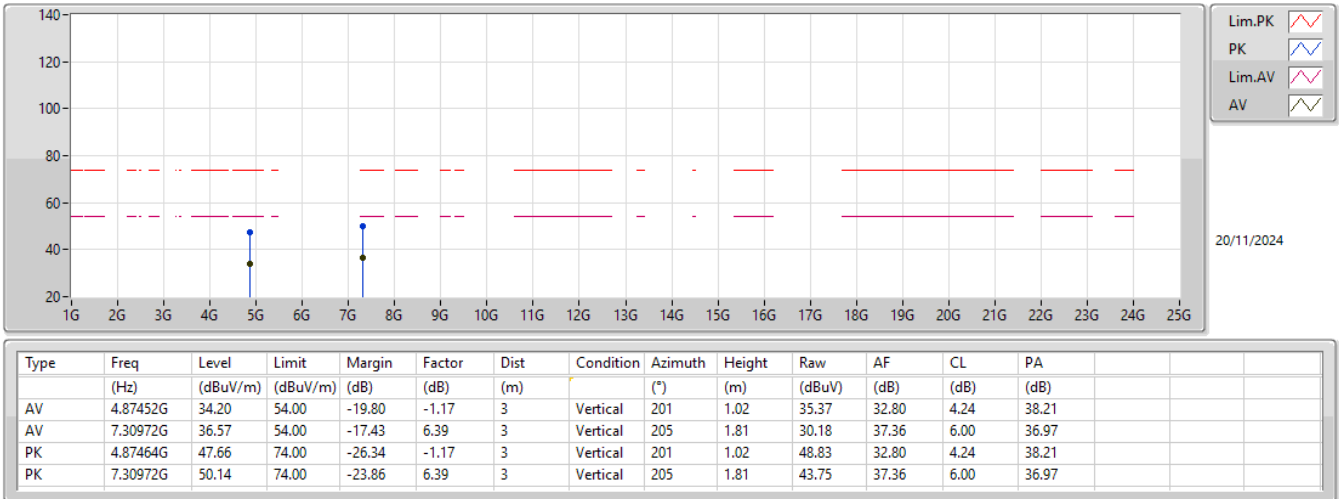
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2437MHz_TX



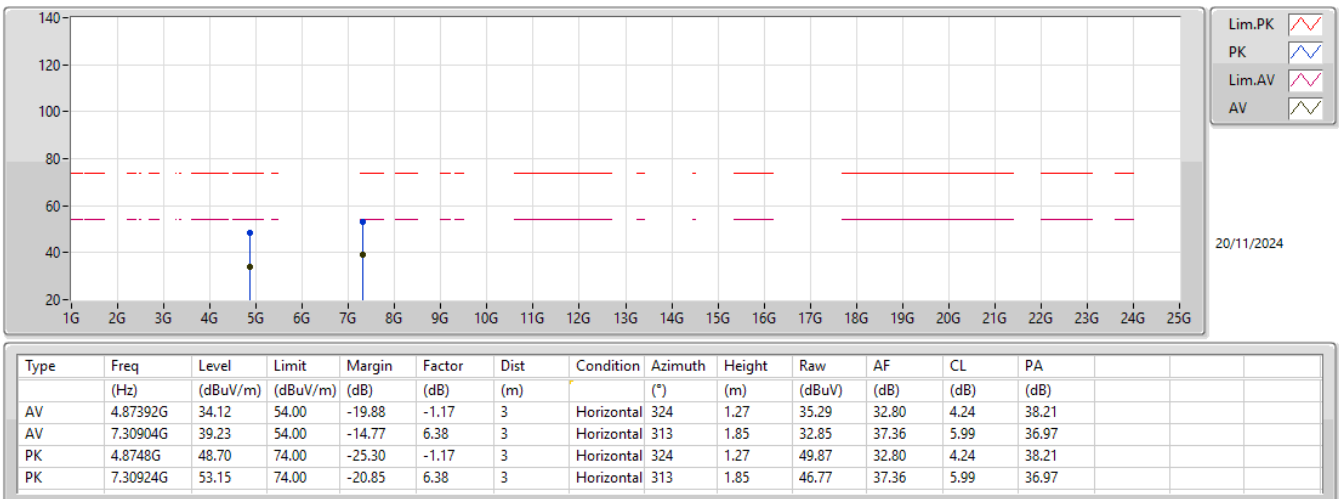
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2437MHz_TX



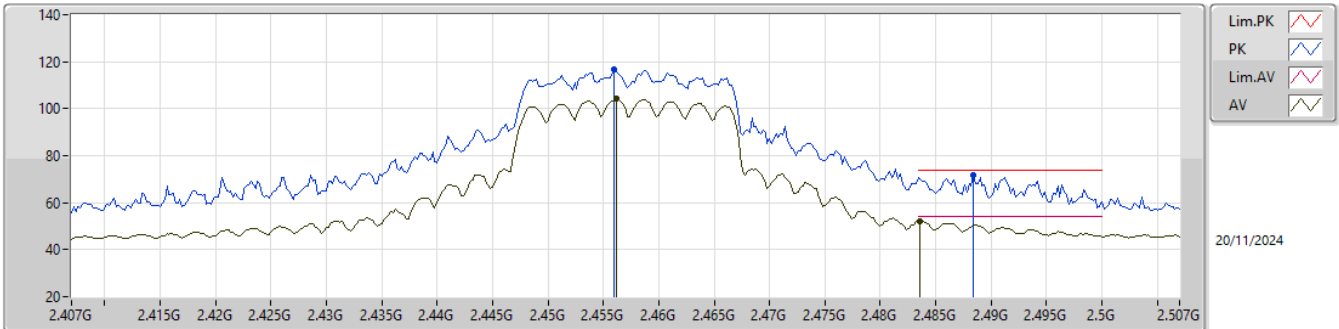
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX



2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

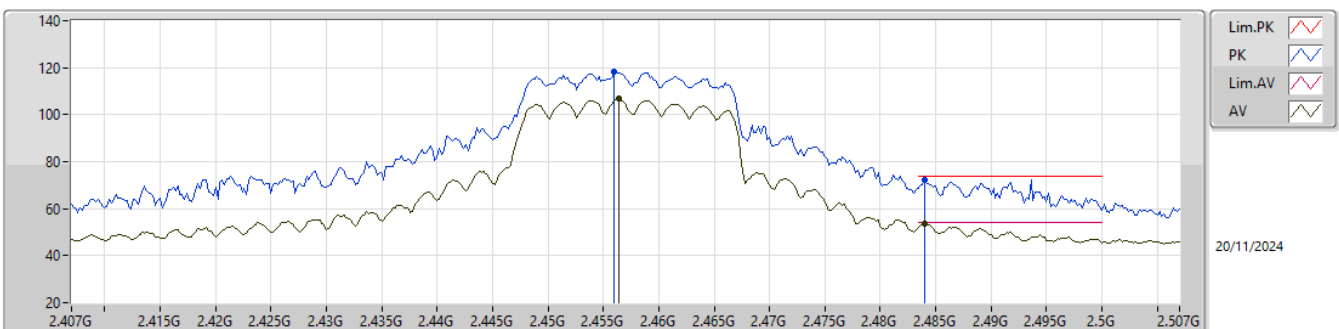
2457MHz_TX



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	2.4562G	104.11	Inf	-Inf	30.51	3	Vertical	25	2.76	73.60	27.70	2.81	-
AV	2.4836G	52.23	54.00	-1.77	30.71	3	Vertical	25	2.76	21.52	27.90	2.81	-
PK	2.456G	116.83	Inf	-Inf	30.51	3	Vertical	25	2.76	86.32	27.70	2.81	-
PK	2.4884G	71.81	74.00	-2.19	30.71	3	Vertical	25	2.76	41.10	27.90	2.81	-

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

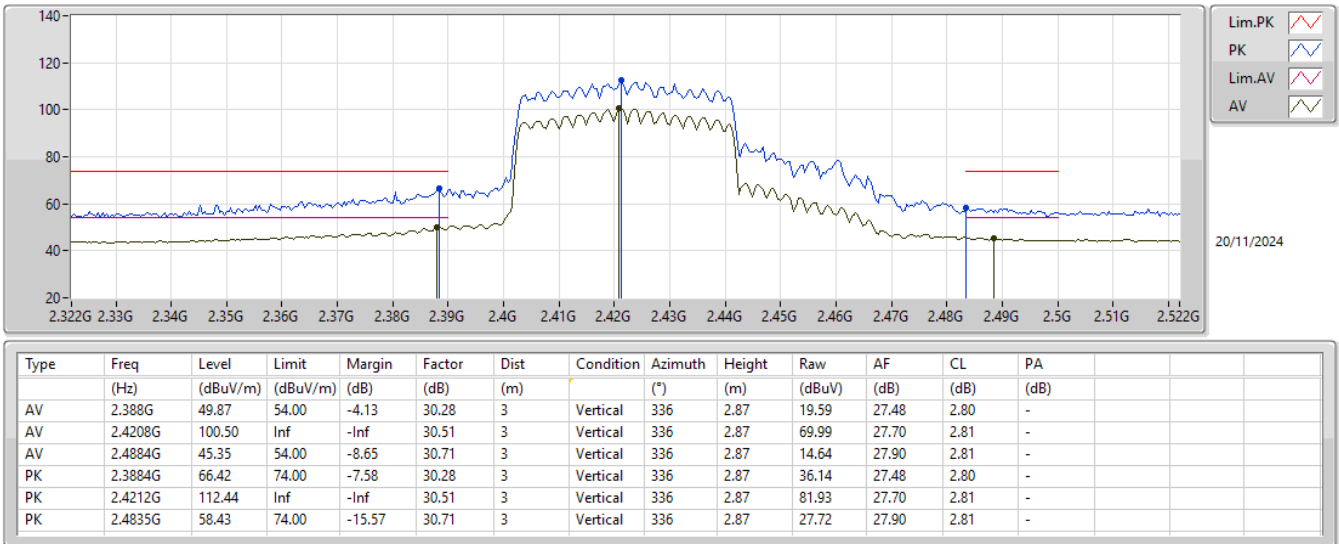
2457MHz_TX



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	2.4564G	106.70	Inf	-Inf	30.51	3	Horizontal	335	2.29	76.19	27.70	2.81	-
AV	2.484G	53.48	54.00	-0.52	30.71	3	Horizontal	335	2.29	22.77	27.90	2.81	-
PK	2.456G	118.17	Inf	-Inf	30.51	3	Horizontal	335	2.29	87.66	27.70	2.81	-
PK	2.484G	71.99	74.00	-2.01	30.71	3	Horizontal	335	2.29	41.28	27.90	2.81	-

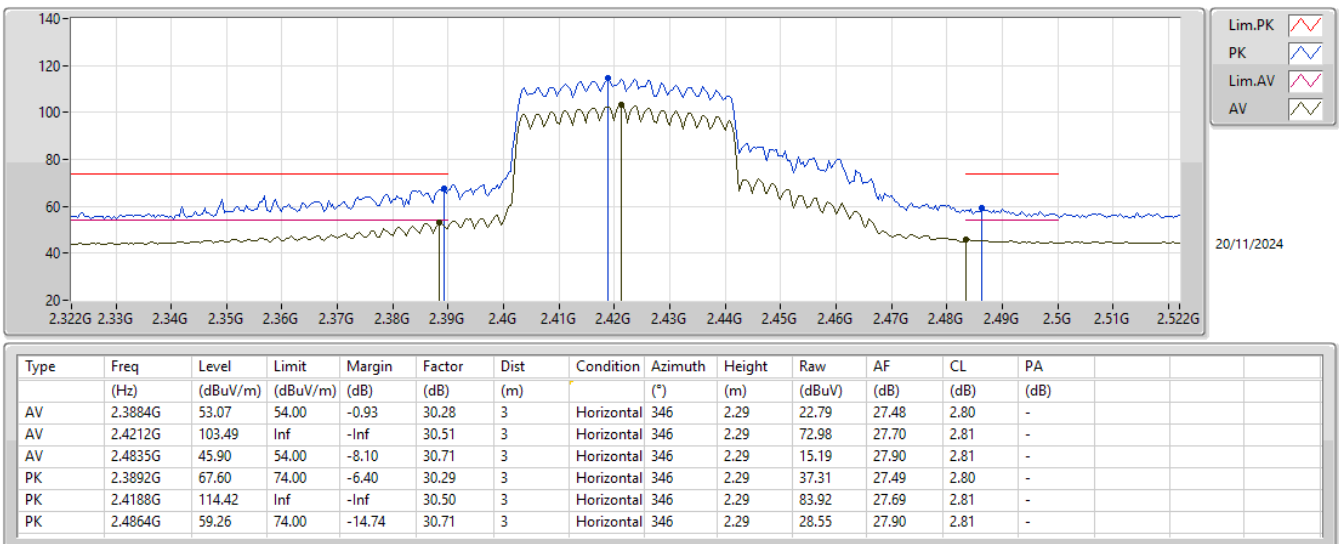
2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2422MHz_TX



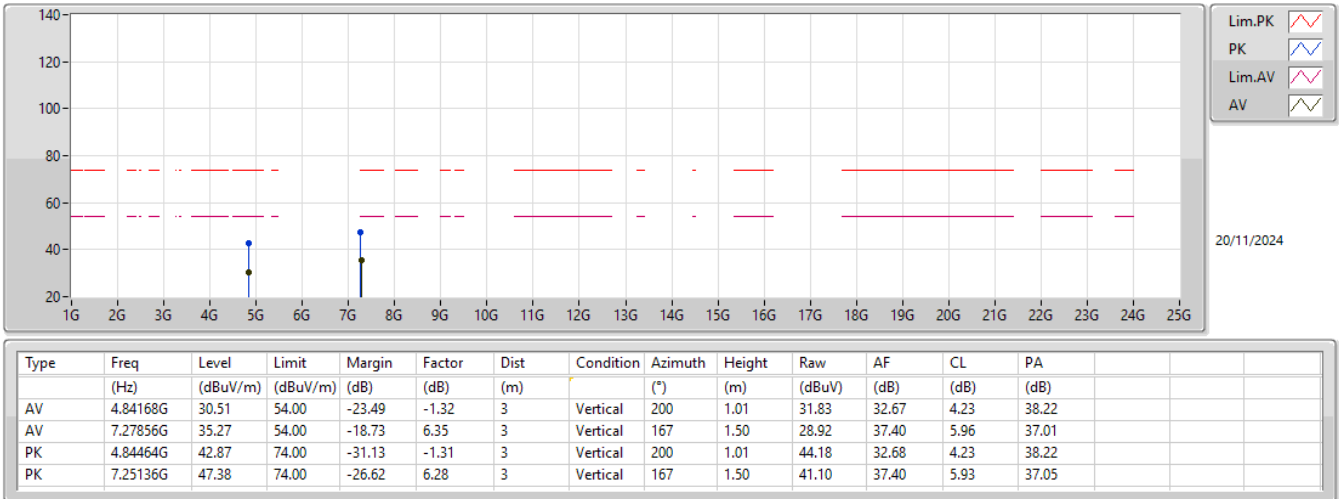
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2422MHz_TX



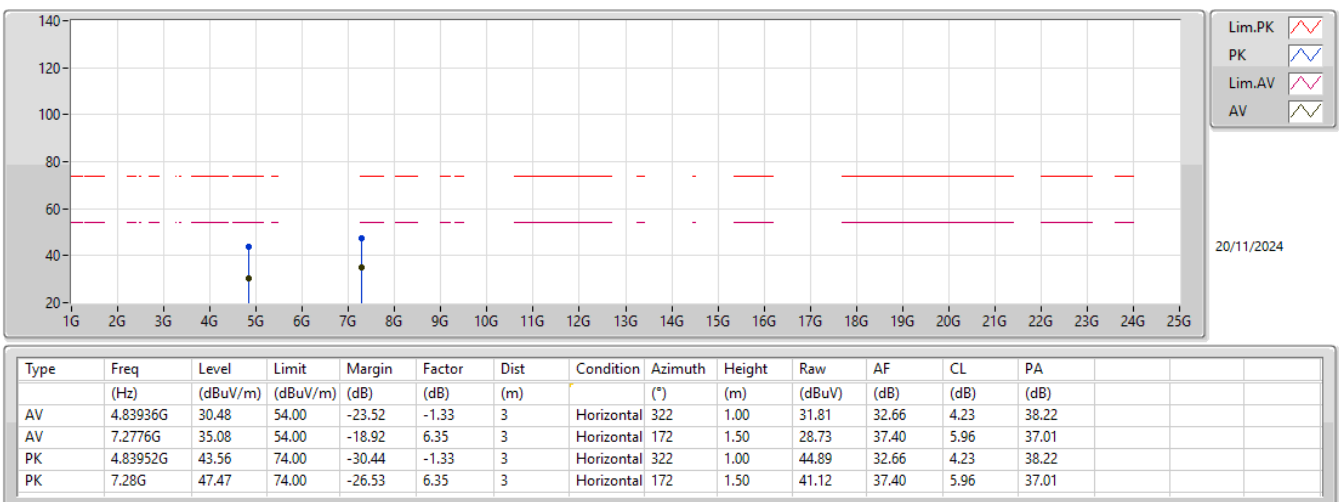
2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2422MHz_TX



2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2422MHz_TX





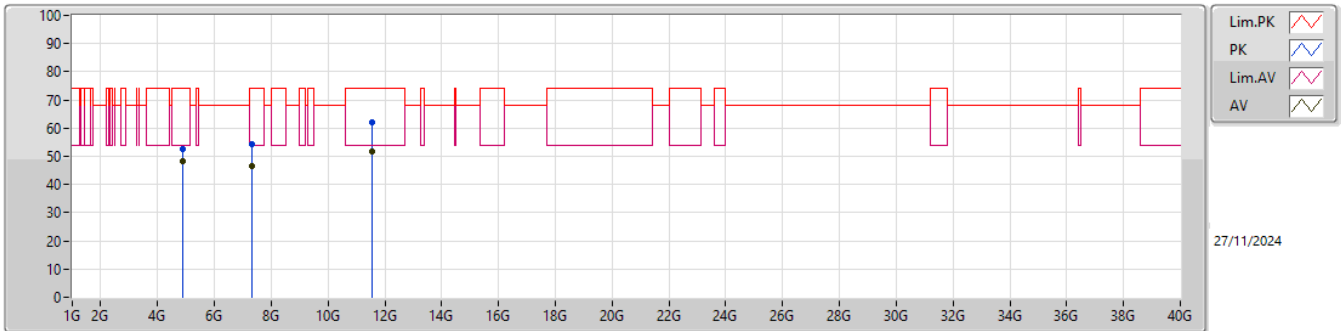
Summary

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

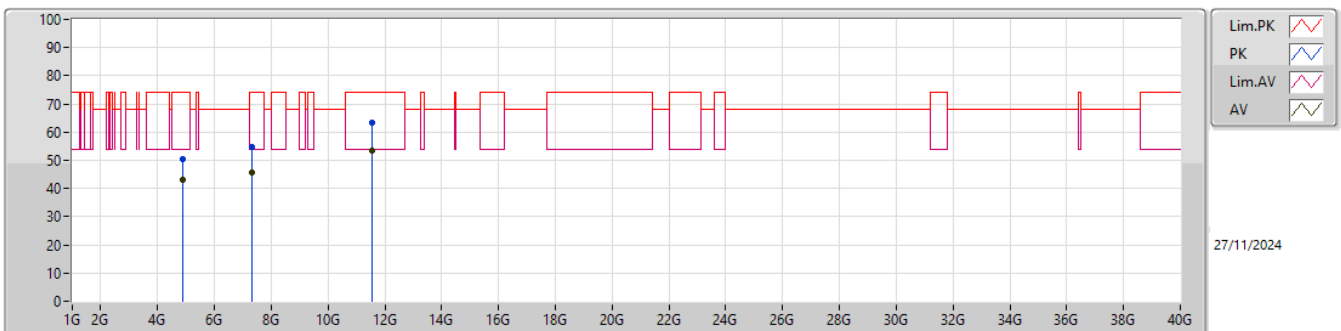
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.87398G	48.39	54.00	-5.61	3	Vertical	215	1.00	-
Mode 1	Pass	AV	7.31186G	46.35	54.00	-7.65	3	Vertical	330	1.76	-
Mode 1	Pass	AV	11.56676G	51.86	54.00	-2.14	3	Vertical	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