

FCC Radio Test Report

FCC ID : U2M-IAP3701M-C
Equipment : WiFi 7 Tri-radio concurrent indoor ceiling mount AP
Cloud Lite 802.11be 2x3x3 Tri-Band Managed Indoor Wireless
Access Point
Brand Name : Senao, EnGenius
Model Name : IAP3701M-C, ECW516L
Applicant : Senao Networks, Inc.
3F., No.529, Zhongzheng Rd., Xindian Dist., New Taipei City, Taiwan
Manufacturer : Senao Networks, Inc.
3F., No.529, Zhongzheng Rd., Xindian Dist., New Taipei City, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 18, 2024, and testing was started from Jul. 30, 2024 and completed on Sep. 10, 2024. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



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History of this test report

Report No.	Version	Description	Issued Date
FR471810AC	01	Initial issue of report	Nov. 26, 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: Barry Hsiao

Report Producer: Julie Tseng

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
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	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	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	Enrack	7102A1311000	PIFA	I-Pex	2.4G+5G	Radio 1
2	Enrack	7102A1312000	PIFA	I-Pex	2.4G+5G	
3	Enrack	7102A1313000	PIFA	I-Pex	5G	
4	AWAN	7102A1315000	Dipole	I-Pex	6G	Radio 2
5	AWAN	7102A1316000	Dipole	I-Pex	6G	
6	AWAN	7102A1314000	Dipole	I-Pex	6G	

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

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

Note 1: The EUT has six antennas.

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

For 2.4GHz function:

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

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

For 5GHz function:

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

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

For 6GHz function:

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

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
EUT Function	☒ 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	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_2TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_2TX	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40_Nss1,(MCS0)_2TX	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)

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	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40-BF_Nss1,(MCS0)_2TX	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.1.5 Table for Multiple Listing

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

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

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

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013

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	21.5~22.1℃ / 54~57%	12/Aug/2024
RF Conducted	TH07-HY	Xun Hsieh	23.4~23.9℃ / 52~55%	08/Aug/2024
Radiated (co-location)	03CH03-HY	CoCo Shang Kung	21.5~22.8℃ / 54~56%	10/Sep/2024
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH26-HY	Rian Zhong	22.4~23.4℃ / 52~55%	30/Jul/2024~31/Jul/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 0.0.2.99
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Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	20
2437MHz	18.5
2462MHz	21
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	16.5
2417MHz	17
2437MHz	20
2457MHz	18
2462MHz	16.5
802.11be EHT20_Nss1,(MCS0)_2TX	-
2412MHz	16.5
2417MHz	17.5
2437MHz	20
2457MHz	18
2462MHz	17
802.11be EHT40_Nss1,(MCS0)_2TX	-
2422MHz	16
2427MHz	16.5
2437MHz	17
2447MHz	16.5
2452MHz	16

**Beamforming**

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	16.5
2417MHz	17.5
2437MHz	20
2457MHz	18
2462MHz	17
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	16
2427MHz	16.5
2437MHz	17
2447MHz	16.5
2452MHz	16

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	Adapter mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	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	Adapter mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V

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



2.3 Accessories

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

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

2.4 Support Equipment

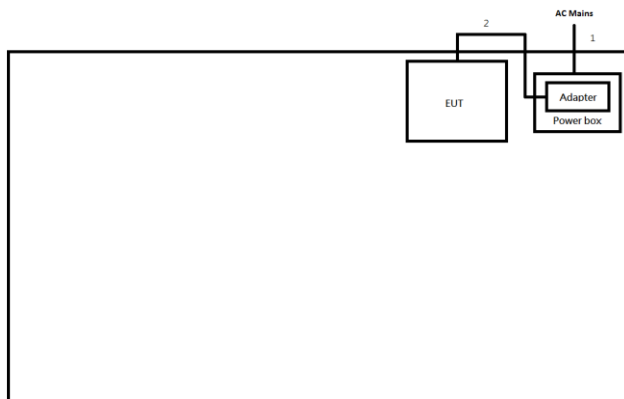
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

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

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

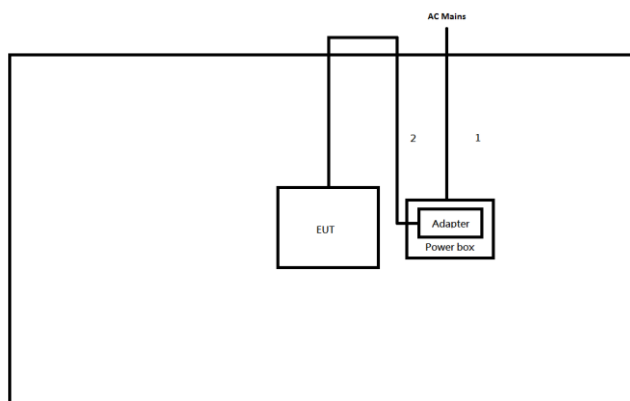
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



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

Test Setup Diagram - Radiated Test



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

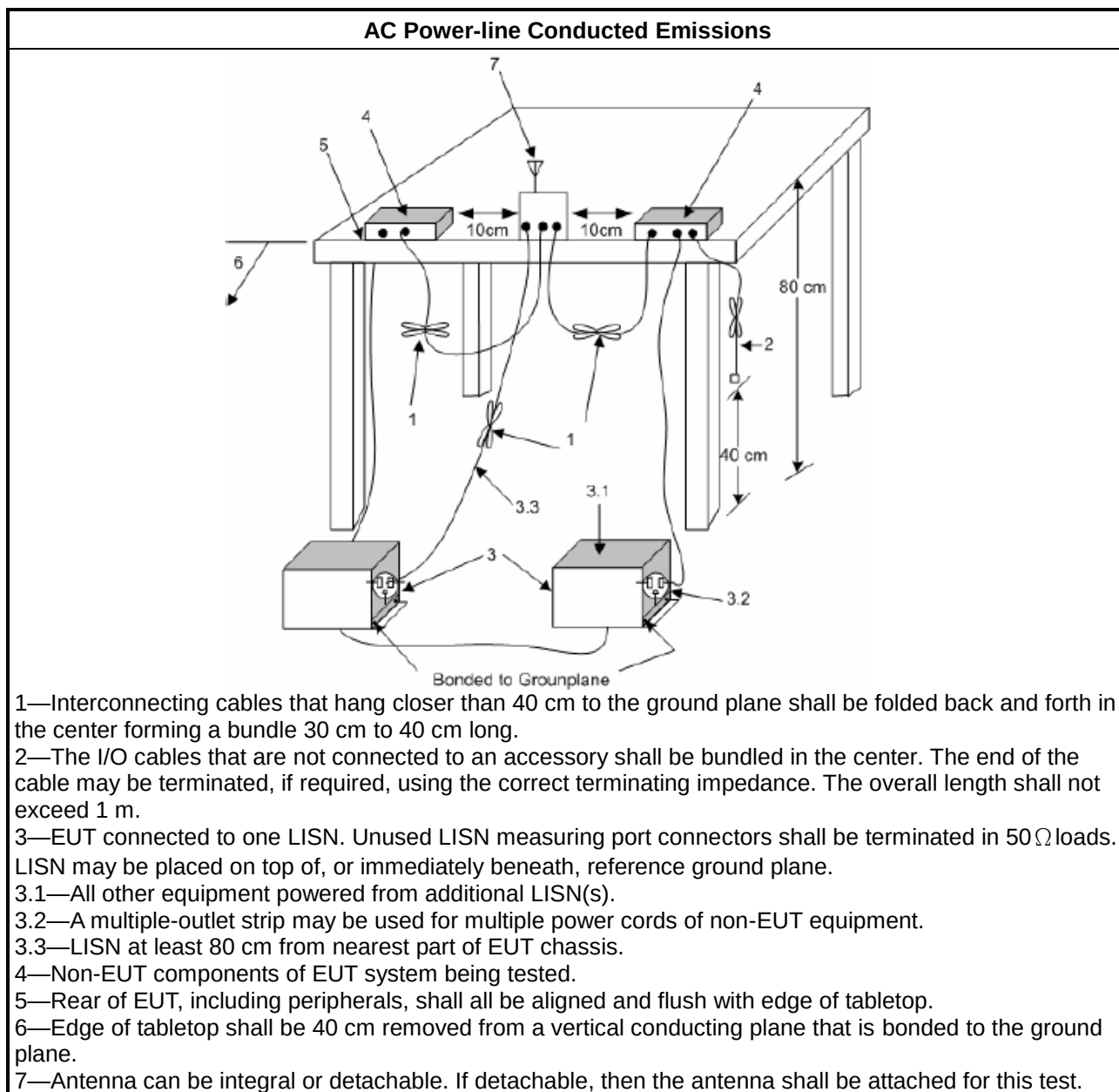
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

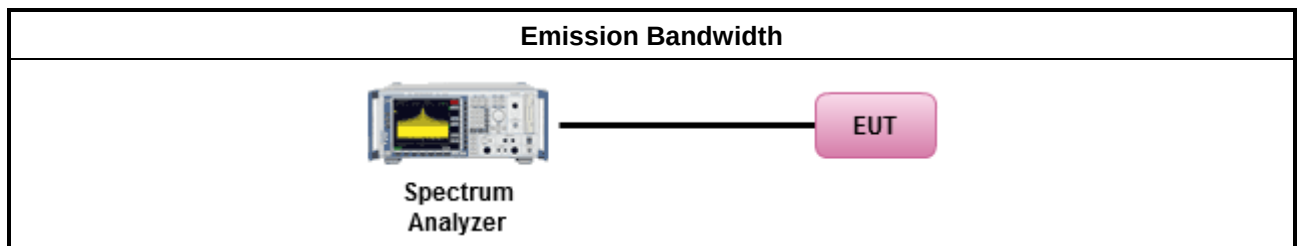
3.2.2 Measuring Instruments

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 $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB 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.	

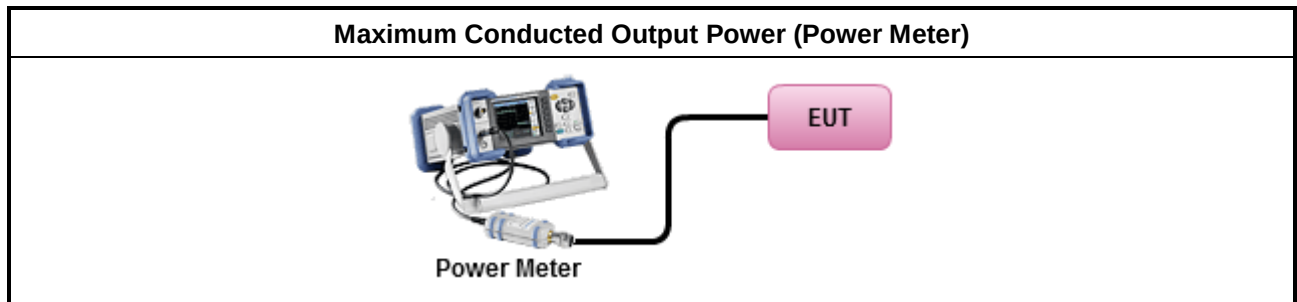
3.3.2 Measuring Instruments

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

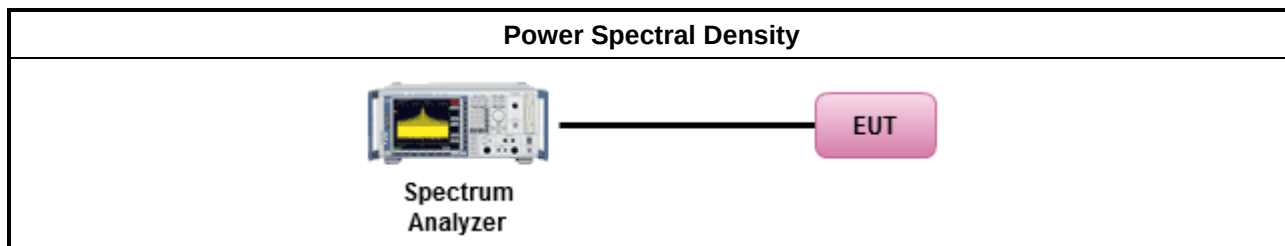
3.4.2 Measuring Instruments

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.	

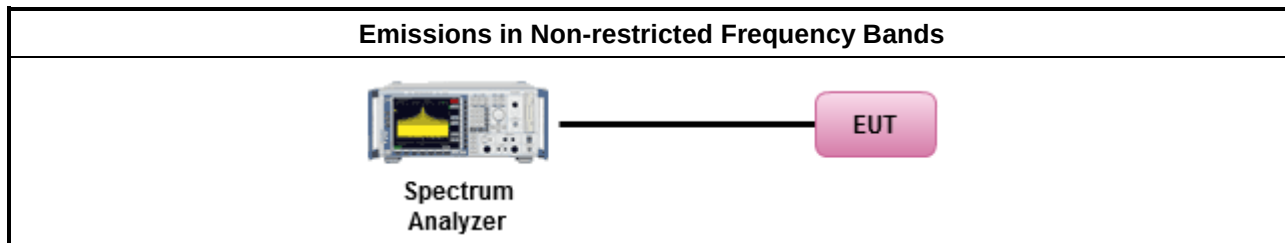
3.5.2 Measuring Instruments

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

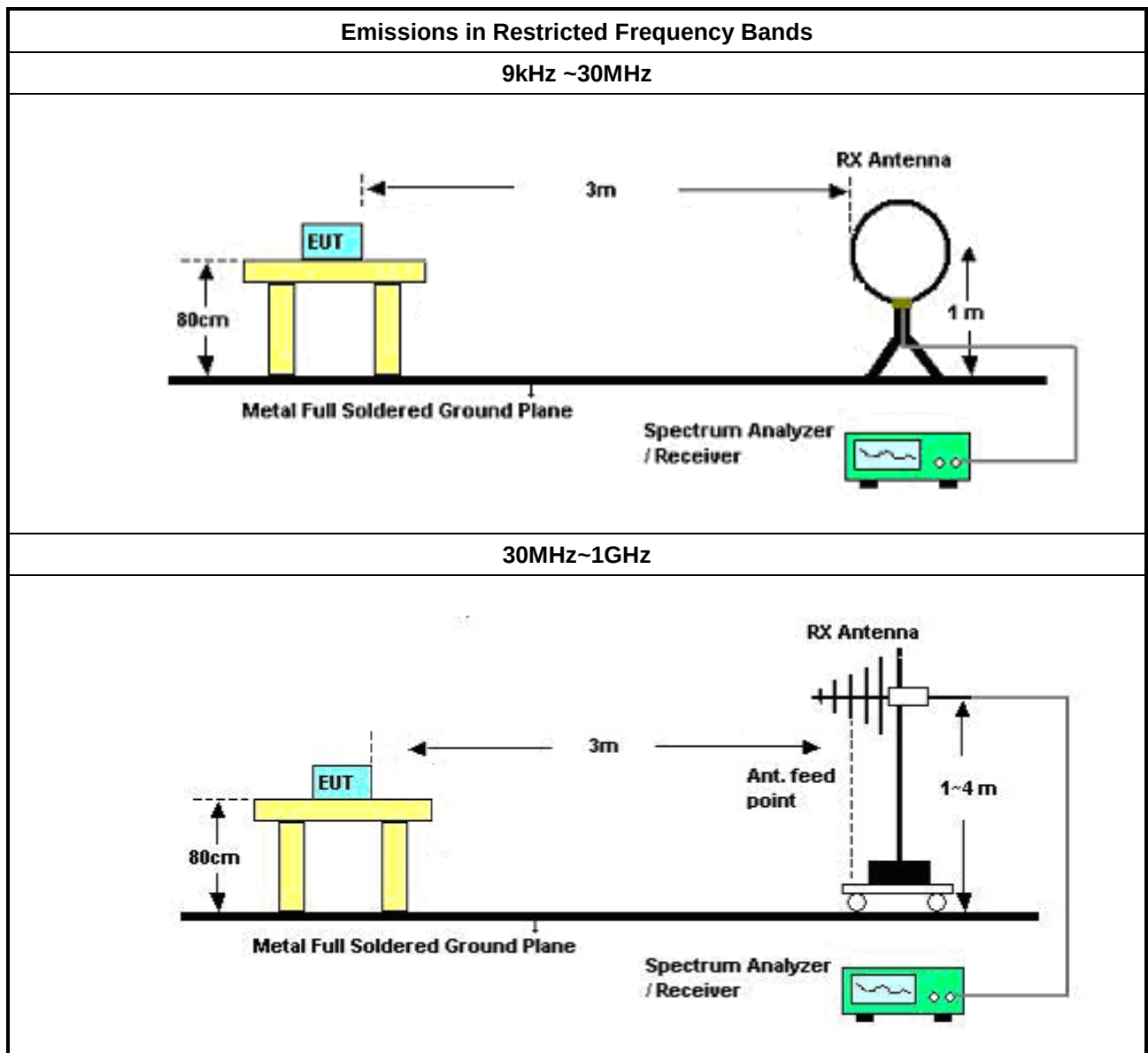
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted 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.

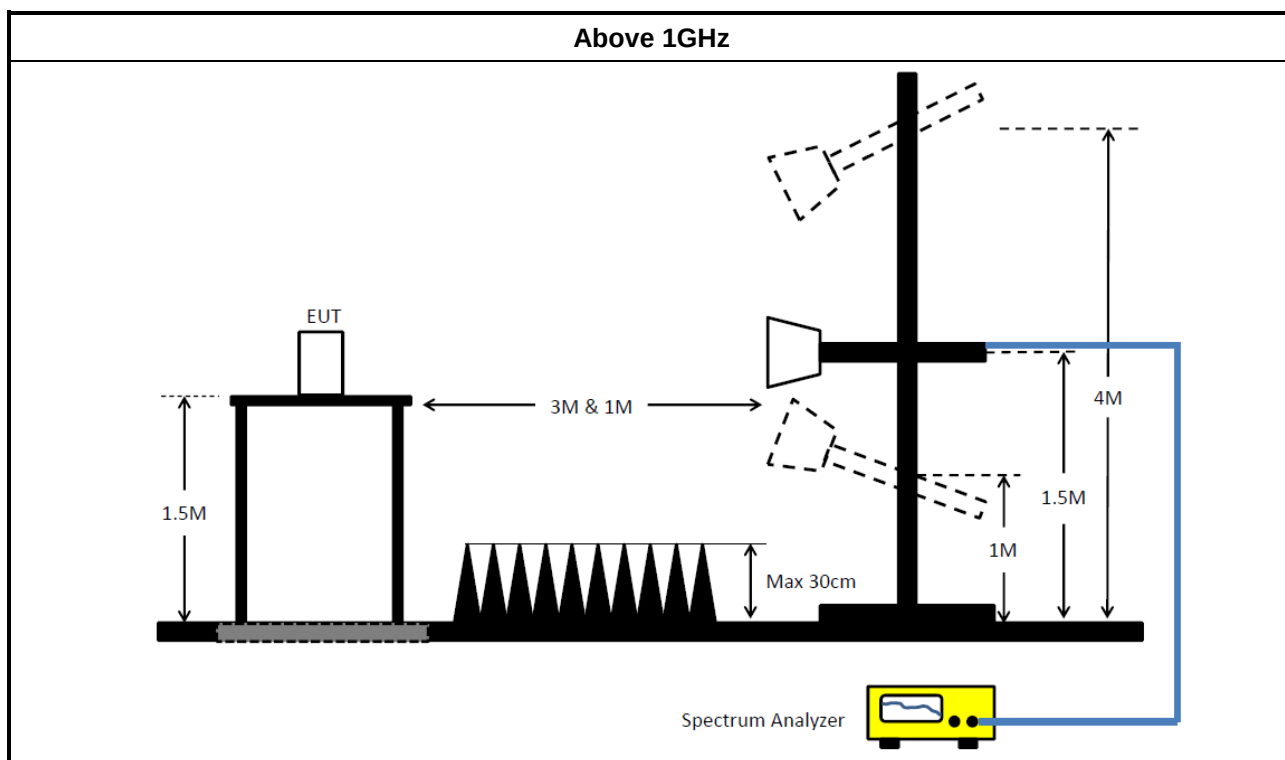
3.6.4 Measurement Results Calculation

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	18/Oct/2023	17/Oct/2024
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	9kHz~40GHz	02/Feb/2024	01/Feb/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	15/Dec/2023	14/Dec/2024
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	15/Dec/2023	14/Dec/2024
SENSE-15247_DTS	Sporton	V5.11.18	N/A	N/A	N/A	N/A

**Instrument for Radiated Test (03CH26-HY)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH26-HY	30MHz~1GHz 3m	08/Aug/2023	07/Aug/2024
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH26-HY	1GHz~18GHz 3m	08/Aug/2023	07/Aug/2024
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101411	10Hz~44GHz	06/Oct/2023	05/Oct/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63540/002	30MHz~1GHz	05/Jun/2024	04/Jun/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02877	1GHz~18GHz	11/Jul/2024	10/Jul/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB009	9kHz~1GHz	18/Oct/2023	17/Oct/2024
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB009	1GHz~40GHz	18/Oct/2023	17/Oct/2024
Preamplifier	SGH	PRAMP 903	20230515-2	30MHz~1GHz	24/May/2024	23/May/2025
Preamplifier	SGH	PRAMP 118-H	20230515-4	1GHz ~18GHz	24/May/2024	23/May/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	19/Apr/2024	18/Apr/2025
SENSE-15247-DTS	Sporton	V5.11.19	NA	NA	NA	NA

Instrument for Radiated Test (03CH03-HY)

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



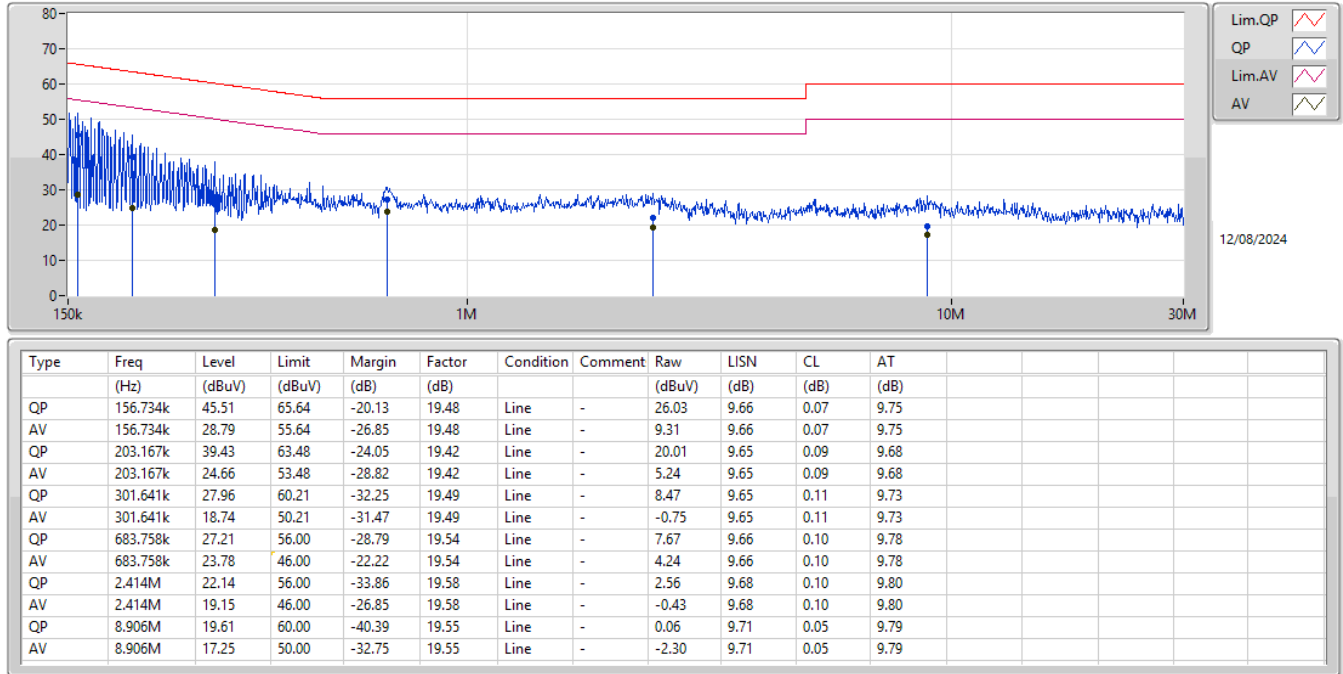
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	156.734k	45.51	65.64	-20.13	Line

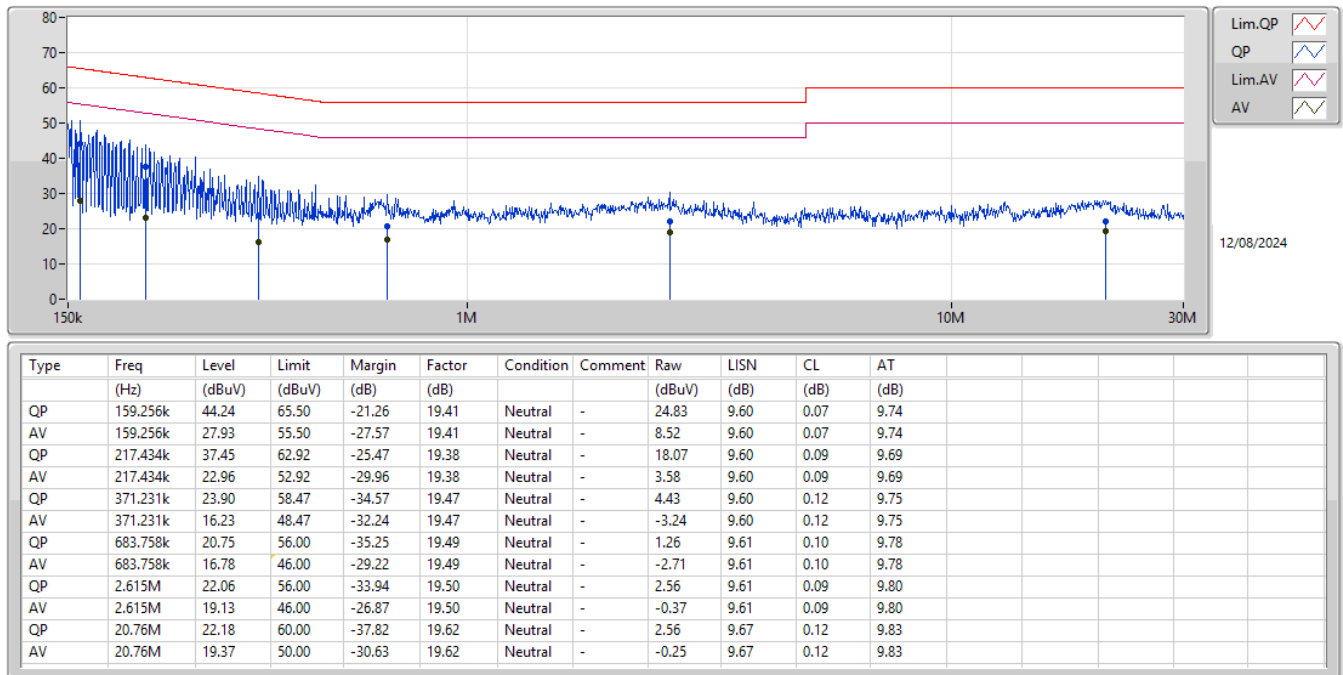
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	156.734k	45.51	65.64	-20.13	Line	-
Mode 1	Pass	AV	156.734k	28.79	55.64	-26.85	Line	-
Mode 1	Pass	QP	203.167k	39.43	63.48	-24.05	Line	-
Mode 1	Pass	AV	203.167k	24.66	53.48	-28.82	Line	-
Mode 1	Pass	QP	301.641k	27.96	60.21	-32.25	Line	-
Mode 1	Pass	AV	301.641k	18.74	50.21	-31.47	Line	-
Mode 1	Pass	QP	683.758k	27.21	56.00	-28.79	Line	-
Mode 1	Pass	AV	683.758k	23.78	46.00	-22.22	Line	-
Mode 1	Pass	QP	2.414M	22.14	56.00	-33.86	Line	-
Mode 1	Pass	AV	2.414M	19.15	46.00	-26.85	Line	-
Mode 1	Pass	QP	8.906M	19.61	60.00	-40.39	Line	-
Mode 1	Pass	AV	8.906M	17.25	50.00	-32.75	Line	-
Mode 1	Pass	QP	159.256k	44.24	65.50	-21.26	Neutral	-
Mode 1	Pass	AV	159.256k	27.93	55.50	-27.57	Neutral	-
Mode 1	Pass	QP	217.434k	37.45	62.92	-25.47	Neutral	-
Mode 1	Pass	AV	217.434k	22.96	52.92	-29.96	Neutral	-
Mode 1	Pass	QP	371.231k	23.90	58.47	-34.57	Neutral	-
Mode 1	Pass	AV	371.231k	16.23	48.47	-32.24	Neutral	-
Mode 1	Pass	QP	683.758k	20.75	56.00	-35.25	Neutral	-
Mode 1	Pass	AV	683.758k	16.78	46.00	-29.22	Neutral	-
Mode 1	Pass	QP	2.615M	22.06	56.00	-33.94	Neutral	-
Mode 1	Pass	AV	2.615M	19.13	46.00	-26.87	Neutral	-
Mode 1	Pass	QP	20.76M	22.18	60.00	-37.82	Neutral	-
Mode 1	Pass	AV	20.76M	19.37	50.00	-30.63	Neutral	-

Conducted Emissions at Powerline_Mode 1



Conducted Emissions at Powerline_Mode 1



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.1M	12.728M	12M7G1D	7.775M	12.57M
802.11g_Nss1,(6Mbps)_2TX	16.375M	16.992M	17M0D1D	16.325M	16.347M
802.11be EHT20_Nss1,(MCS0)_2TX	19M	19.026M	19M0D1D	18.6M	18.719M
802.11be EHT40_Nss1,(MCS0)_2TX	37.75M	37.615M	37M6D1D	33.5M	37.325M

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	7.8M	12.57M	8.075M	12.601M
2437MHz	Pass	500k	8.075M	12.65M	7.975M	12.696M
2462MHz	Pass	500k	7.775M	12.728M	8.1M	12.594M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.375M	16.356M	16.375M	16.347M
2437MHz	Pass	500k	16.35M	16.813M	16.325M	16.992M
2462MHz	Pass	500k	16.35M	16.378M	16.325M	16.369M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	18.843M	19M	18.9M
2437MHz	Pass	500k	18.925M	18.943M	18.925M	19.026M
2462MHz	Pass	500k	18.6M	18.719M	18.925M	18.867M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.05M	37.35M	37.2M	37.325M
2437MHz	Pass	500k	37.75M	37.547M	36.9M	37.615M
2452MHz	Pass	500k	37.1M	37.427M	33.5M	37.421M

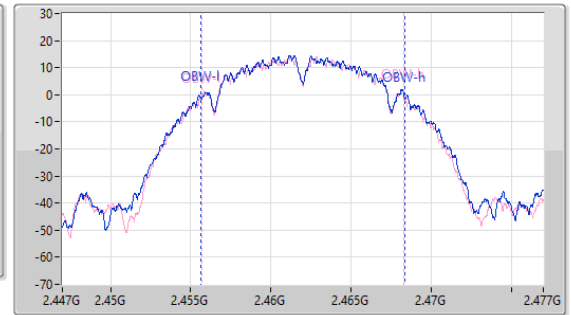
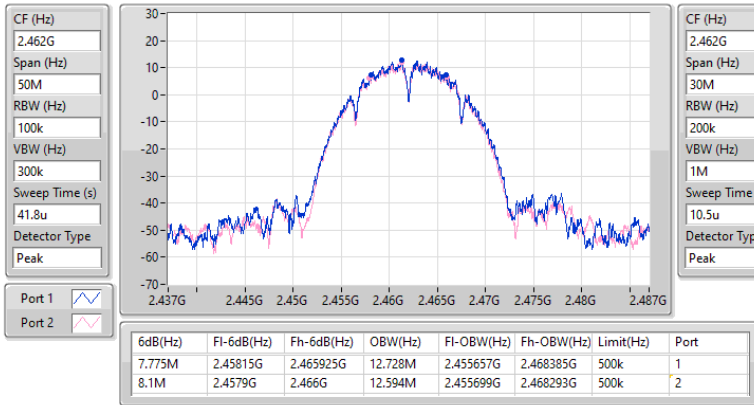
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2462MHz

08/08/2024

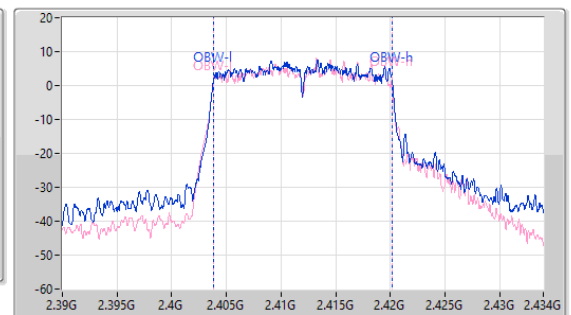
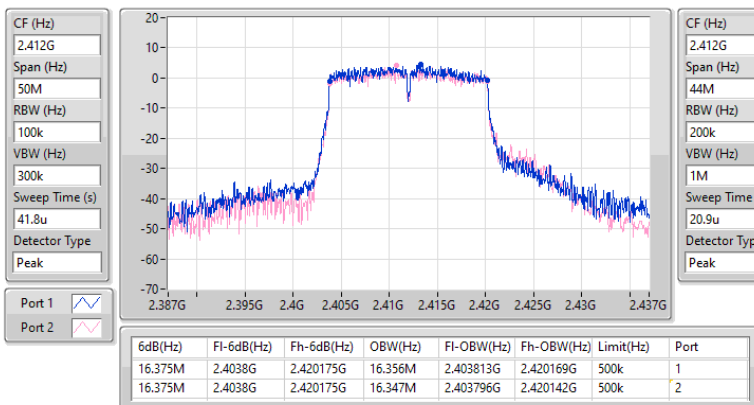


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

08/08/2024

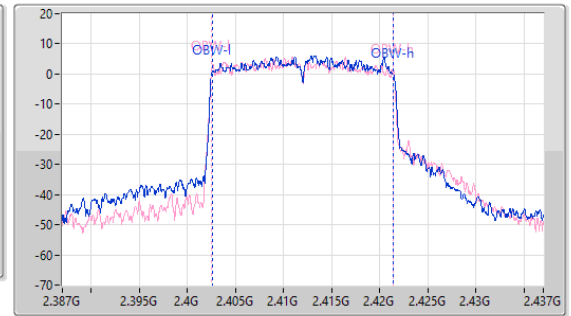
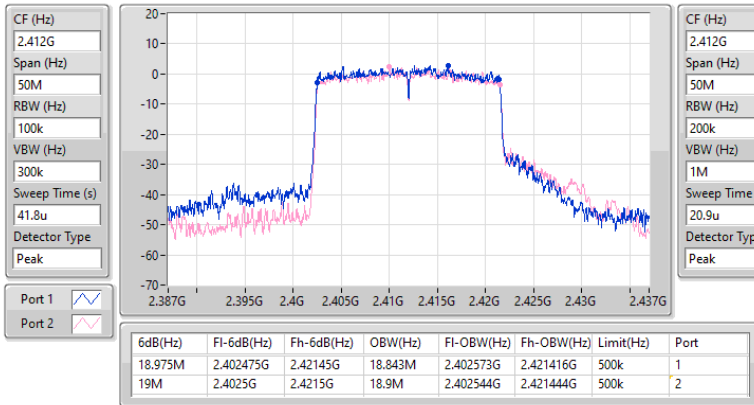


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

2412MHz

08/08/2024

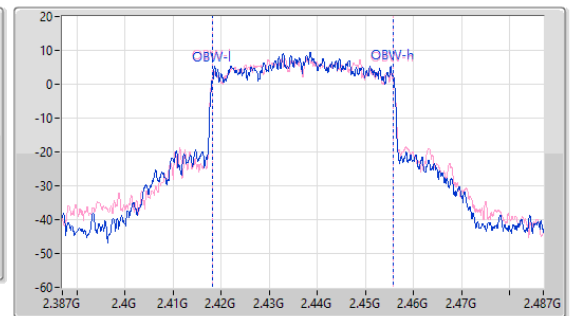
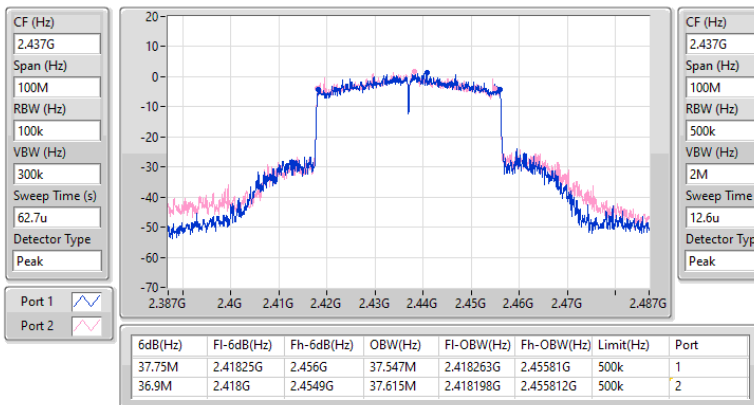


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

2437MHz

08/08/2024





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.33	0.34119
802.11g_Nss1,(6Mbps)_2TX	24.05	0.25410
802.11be EHT20_Nss1,(MCS0)_2TX	23.47	0.22233
802.11be EHT40_Nss1,(MCS0)_2TX	20.92	0.12359

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.05	22.62	21.88	25.28	30.00
2437MHz	Pass	3.05	21.07	20.89	23.99	30.00
2462MHz	Pass	3.05	22.62	22.00	25.33	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.05	18.47	17.58	21.06	30.00
2417MHz	Pass	3.05	18.95	18.01	21.52	30.00
2437MHz	Pass	3.05	21.24	20.82	24.05	30.00
2457MHz	Pass	3.05	19.29	19.10	22.21	30.00
2462MHz	Pass	3.05	18.18	17.60	20.91	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.05	17.61	16.74	20.21	30.00
2417MHz	Pass	3.05	18.66	17.61	21.18	30.00
2437MHz	Pass	3.05	20.58	20.34	23.47	30.00
2457MHz	Pass	3.05	18.39	18.26	21.34	30.00
2462MHz	Pass	3.05	17.79	17.27	20.55	30.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.05	17.38	16.20	19.84	30.00
2427MHz	Pass	3.05	17.83	16.74	20.33	30.00
2437MHz	Pass	3.05	17.86	17.95	20.92	30.00
2447MHz	Pass	3.05	17.26	17.27	20.28	30.00
2452MHz	Pass	3.05	16.67	16.76	19.73	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	23.42	0.21979
802.11be EHT40-BF_Nss1,(MCS0)_2TX	20.89	0.12274



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	3.49	17.58	16.71	20.18	30.00
2417MHz	Pass	3.49	18.61	17.56	21.13	30.00
2437MHz	Pass	3.49	20.53	20.29	23.42	30.00
2457MHz	Pass	3.49	18.35	18.22	21.30	30.00
2462MHz	Pass	3.49	17.75	17.23	20.51	30.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.49	17.36	16.18	19.82	30.00
2427MHz	Pass	3.49	17.82	16.73	20.32	30.00
2437MHz	Pass	3.49	17.83	17.92	20.89	30.00
2447MHz	Pass	3.49	17.21	17.22	20.23	30.00
2452MHz	Pass	3.49	16.62	16.71	19.68	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	1.32
802.11g_Nss1,(6Mbps)_2TX	-2.73
802.11be EHT20_Nss1,(MCS0)_2TX	-4.89
802.11be EHT40_Nss1,(MCS0)_2TX	-9.54

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	3.49	-1.26	-2.12	0.99	8.00
2437MHz	Pass	3.49	-2.52	-2.72	-0.12	8.00
2462MHz	Pass	3.49	-1.38	-1.29	1.32	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.49	-7.23	-7.45	-5.36	8.00
2437MHz	Pass	3.49	-4.22	-4.21	-2.73	8.00
2462MHz	Pass	3.49	-6.54	-7.63	-5.36	8.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.49	-9.18	-10.33	-7.35	8.00
2437MHz	Pass	3.49	-6.48	-6.84	-4.89	8.00
2462MHz	Pass	3.49	-9.01	-8.26	-7.76	8.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.49	-12.42	-12.87	-10.95	8.00
2437MHz	Pass	3.49	-11.58	-11.29	-9.54	8.00
2452MHz	Pass	3.49	-13.22	-11.93	-11.00	8.00

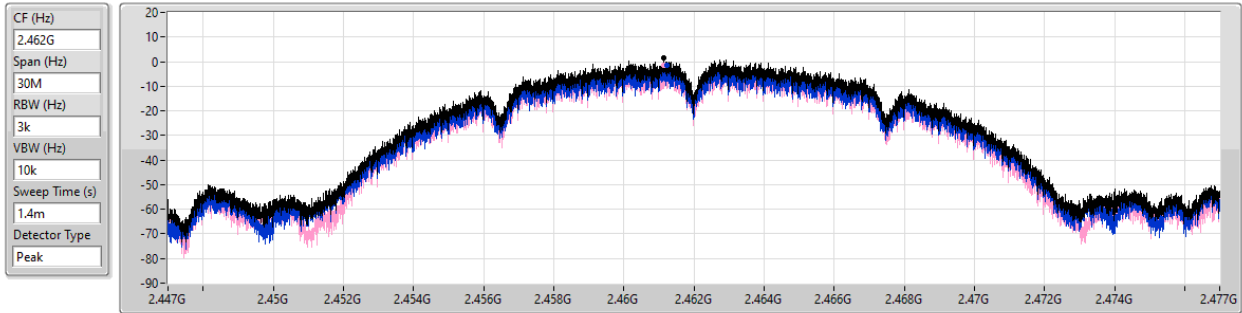
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

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

PSD

2462MHz

08/08/2024



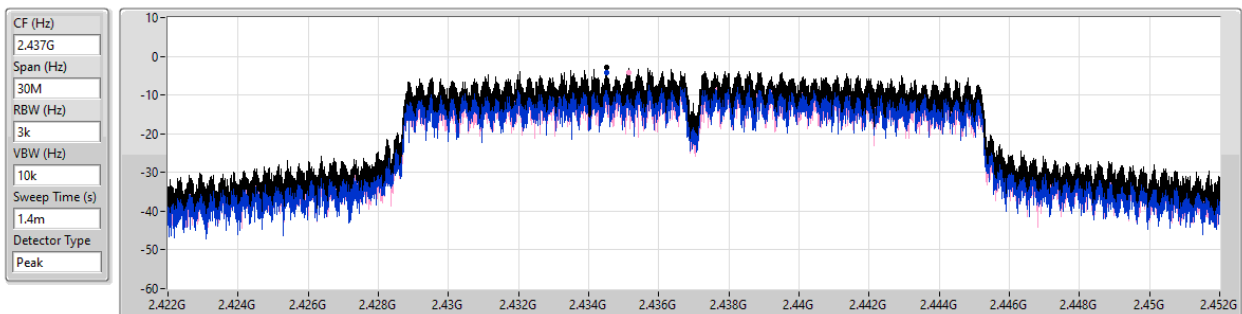
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.32	1.32	-1.38	-1.29

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

PSD

2437MHz

08/08/2024



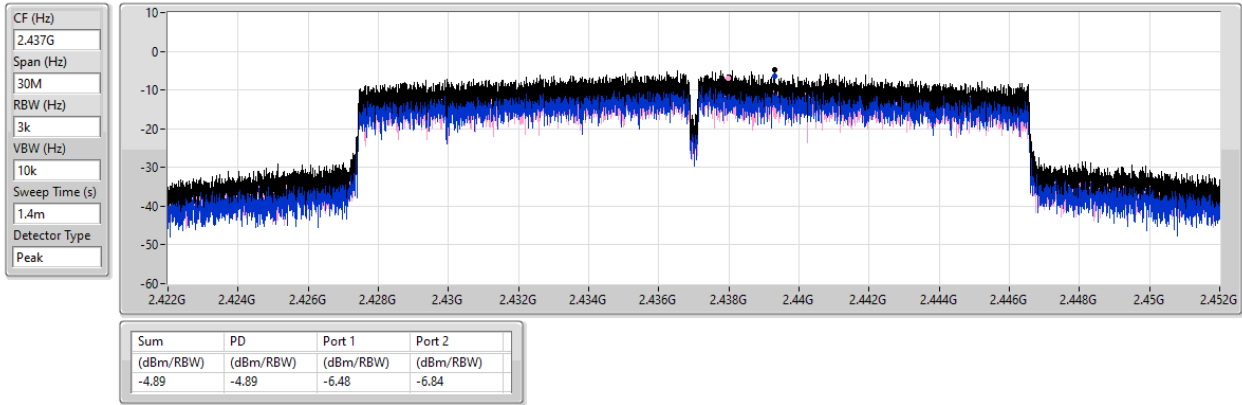
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.73	-2.73	-4.22	-4.21

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

PSD

2437MHz

08/08/2024

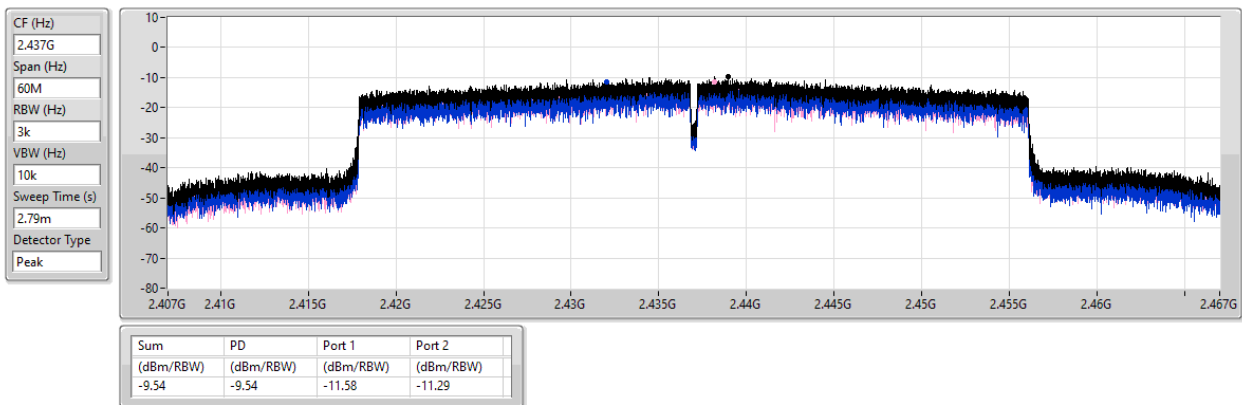


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

2437MHz

08/08/2024





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	2.46129G	13.64	-16.36	2.17826G	-54.24	2.3984G	-31.69	2.4G	-38.37	2.50134G	-50.99	21.60605G	-43.86	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	10.42	-19.58	1.75071G	-49.78	2.39992G	-27.99	2.4G	-31.74	2.50022G	-51.79	21.51895G	-43.89	1
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	2.43574G	10.03	-19.97	2.1969G	-54.47	2.39992G	-34.10	2.4G	-35.45	2.5011G	-51.46	21.66786G	-44.17	1
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	2.43206G	4.90	-25.10	2.14253G	-55.08	2.39328G	-34.61	2.4G	-39.96	2.5067G	-47.48	21.92059G	-43.57	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	2.46129G	13.64	-16.36	2.17826G	-54.24	2.3984G	-31.69	2.4G	-38.37	2.50134G	-50.99	21.60605G	-43.86	1
2412MHz	Pass	2.46129G	13.64	-16.36	1.90332G	-55.65	2.3988G	-36.24	2.4G	-38.27	2.50382G	-51.58	21.84486G	-45.12	2
2437MHz	Pass	2.46129G	13.64	-16.36	1.84041G	-54.87	2.3936G	-49.34	2.4G	-54.74	2.50958G	-50.80	21.6201G	-43.74	1
2437MHz	Pass	2.46129G	13.64	-16.36	1.95458G	-55.01	2.39712G	-48.46	2.4G	-52.67	2.50014G	-50.84	21.65381G	-44.67	2
2462MHz	Pass	2.46129G	13.64	-16.36	2.30175G	-54.22	2.39104G	-51.81	2.4G	-54.74	2.50694G	-48.78	21.57514G	-44.22	1
2462MHz	Pass	2.46129G	13.64	-16.36	2.30525G	-54.78	2.39088G	-51.02	2.4G	-52.43	2.5131G	-49.27	21.63695G	-44.40	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	10.42	-19.58	1.75071G	-49.78	2.39992G	-27.99	2.4G	-31.74	2.50022G	-51.79	21.51895G	-43.89	1
2412MHz	Pass	2.43574G	10.42	-19.58	1.74954G	-47.96	2.39832G	-32.43	2.4G	-35.47	2.50294G	-51.86	21.91791G	-44.70	2
2437MHz	Pass	2.43574G	10.42	-19.58	2.30408G	-55.04	2.3996G	-36.68	2.4G	-38.51	2.50006G	-46.88	21.99658G	-44.14	1
2437MHz	Pass	2.43574G	10.42	-19.58	2.30059G	-53.83	2.3964G	-34.42	2.4G	-34.93	2.50502G	-49.10	21.65381G	-43.81	2
2462MHz	Pass	2.43574G	10.42	-19.58	2.1736G	-55.47	2.39648G	-52.19	2.4G	-54.84	2.50166G	-49.98	21.63976G	-44.62	1
2462MHz	Pass	2.43574G	10.42	-19.58	2.0571G	-55.51	2.39984G	-51.45	2.4G	-55.52	2.50198G	-48.45	21.58638G	-44.86	2
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	10.03	-19.97	2.1969G	-54.47	2.39992G	-34.10	2.4G	-35.45	2.5011G	-51.46	21.66786G	-44.17	1
2412MHz	Pass	2.43574G	10.03	-19.97	2.30175G	-54.60	2.39808G	-35.91	2.4G	-40.49	2.5127G	-52.20	21.57514G	-44.14	2
2437MHz	Pass	2.43574G	10.03	-19.97	2.19341G	-54.66	2.3996G	-36.87	2.4G	-40.36	2.51502G	-47.54	21.46557G	-44.74	1
2437MHz	Pass	2.43574G	10.03	-19.97	2.19807G	-54.23	2.3992G	-34.10	2.4G	-36.24	2.50694G	-49.55	21.59762G	-44.72	2
2462MHz	Pass	2.43574G	10.03	-19.97	1.87536G	-54.12	2.3948G	-52.12	2.4G	-56.83	2.50766G	-50.89	21.54705G	-43.62	1
2462MHz	Pass	2.43574G	10.03	-19.97	2.127G	-54.29	2.39904G	-51.54	2.4G	-53.65	2.50198G	-47.77	21.56671G	-44.09	2
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43206G	4.90	-25.10	2.17917G	-54.66	2.39856G	-36.35	2.4G	-40.09	2.5019G	-50.87	21.52795G	-43.88	1
2422MHz	Pass	2.43206G	4.90	-25.10	2.18833G	-54.95	2.39568G	-42.69	2.4G	-46.51	2.51726G	-54.37	21.53637G	-44.43	2
2437MHz	Pass	2.43206G	4.90	-25.10	2.02917G	-54.11	2.39776G	-42.07	2.4G	-39.78	2.51086G	-48.05	21.51954G	-44.43	1
2437MHz	Pass	2.43206G	4.90	-25.10	2.14253G	-55.08	2.39328G	-34.61	2.4G	-39.96	2.5067G	-47.48	21.92059G	-43.57	2
2452MHz	Pass	2.43206G	4.90	-25.10	1.92727G	-54.64	2.39552G	-49.87	2.4G	-51.86	2.5027G	-48.84	21.63172G	-45.27	1
2452MHz	Pass	2.43206G	4.90	-25.10	2.15627G	-54.09	2.39712G	-46.70	2.4G	-48.27	2.5003G	-49.55	21.99351G	-44.91	2

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

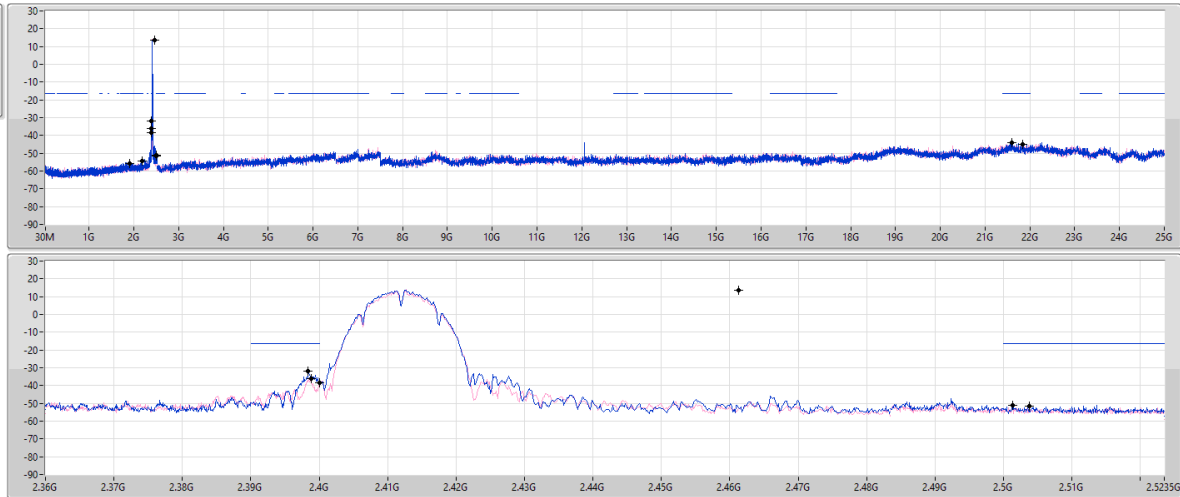
CSEndB

2412MHz

08/08/2024

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
2.46129G	13.64	-16.36	2.17826G	-54.24	2.3984G	-31.69	2.4G	-38.37	2.50134G	-50.99	21.60605G	-43.86	1
2.46129G	13.64	-16.36	1.90332G	-55.65	2.3988G	-36.24	2.4G	-38.27	2.50382G	-51.58	21.84486G	-45.12	2

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

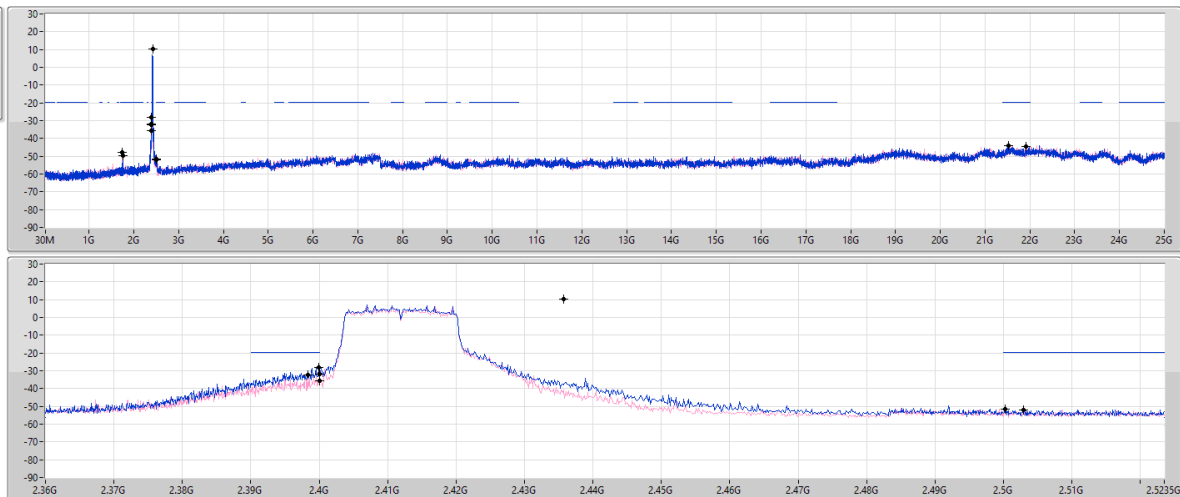
CSEndB

2412MHz

08/08/2024

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

Port 1
Port 2



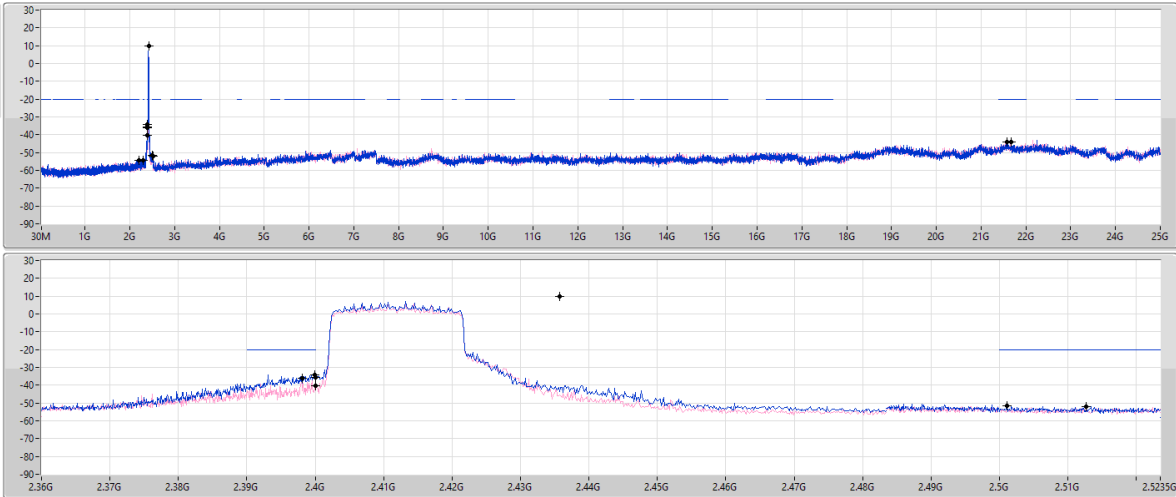
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	10.42	-19.58	1.75071G	-49.78	2.39992G	-27.99	2.4G	-31.74	2.50022G	-51.79	21.51895G	-43.89	1
2.43574G	10.42	-19.58	1.74954G	-47.96	2.39832G	-32.43	2.4G	-35.47	2.50294G	-51.86	21.91791G	-44.70	2

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

CSEndB

2412MHz

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



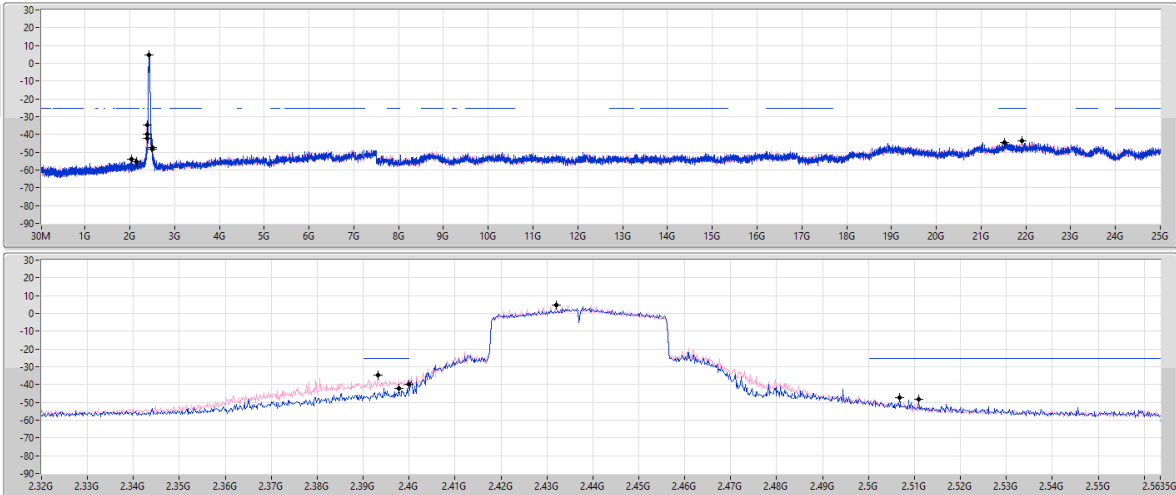
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	10.03	-19.97	2.1969G	-54.47	2.39992G	-34.10	2.4G	-35.45	2.5011G	-51.46	21.66786G	-44.17	1
2.43574G	10.03	-19.97	2.30175G	-54.60	2.39808G	-35.91	2.4G	-40.49	2.5127G	-52.20	21.57514G	-44.14	2

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

CSEndB

2437MHz

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
2.43206G	4.90	-25.10	2.02917G	-54.11	2.39776G	-42.07	2.4G	-39.78	2.51086G	-48.05	21.51954G	-44.43	1
2.43206G	4.90	-25.10	2.14253G	-55.08	2.39328G	-34.61	2.4G	-39.96	2.5067G	-47.48	21.92059G	-43.57	2



Summary

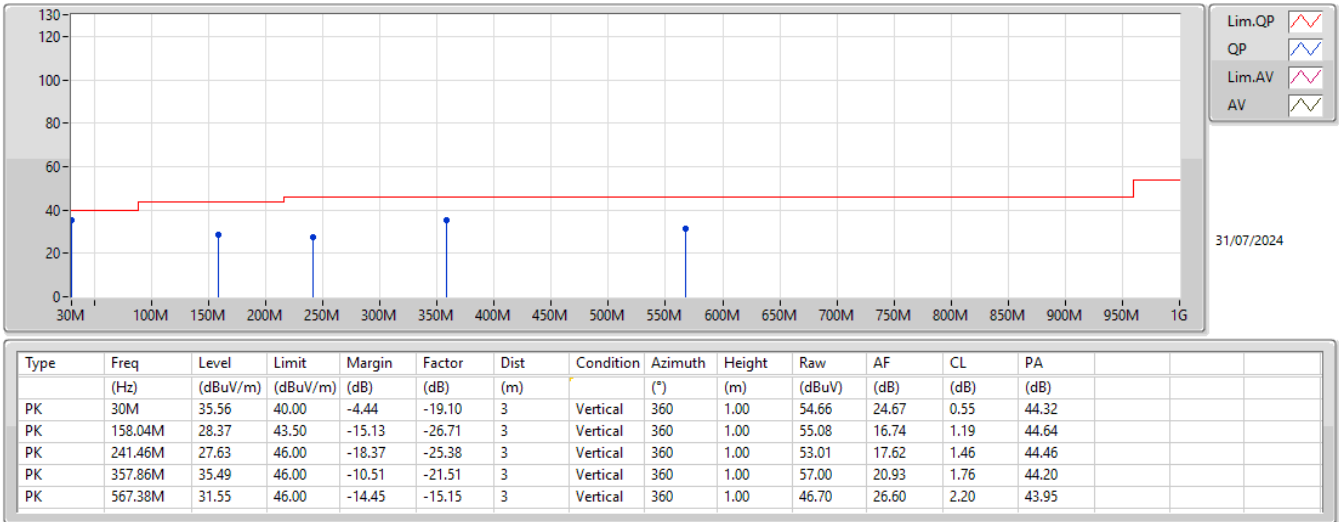
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	PK	30M	35.56	40.00	-4.44	3	Vertical	360	1.00

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_Adapter	Pass	PK	30M	35.56	40.00	-4.44	3	Vertical	360	1.00
2437MHz_Adapter	Pass	PK	158.04M	28.37	43.50	-15.13	3	Vertical	360	1.00
2437MHz_Adapter	Pass	PK	241.46M	27.63	46.00	-18.37	3	Vertical	360	1.00
2437MHz_Adapter	Pass	PK	357.86M	35.49	46.00	-10.51	3	Vertical	360	1.00
2437MHz_Adapter	Pass	PK	567.38M	31.55	46.00	-14.45	3	Vertical	360	1.00
2437MHz_Adapter	Pass	PK	30M	29.37	40.00	-10.63	3	Horizontal	0	1.00
2437MHz_Adapter	Pass	PK	121.18M	35.77	43.50	-7.73	3	Horizontal	0	1.00
2437MHz_Adapter	Pass	PK	200.72M	29.49	43.50	-14.01	3	Horizontal	0	1.00
2437MHz_Adapter	Pass	PK	241.46M	31.07	46.00	-14.93	3	Horizontal	0	1.00
2437MHz_Adapter	Pass	PK	394.72M	36.64	46.00	-9.36	3	Horizontal	0	1.00
2437MHz_Adapter	Pass	QP	336.52M	33.99	46.00	-12.01	3	Horizontal	124	1.04

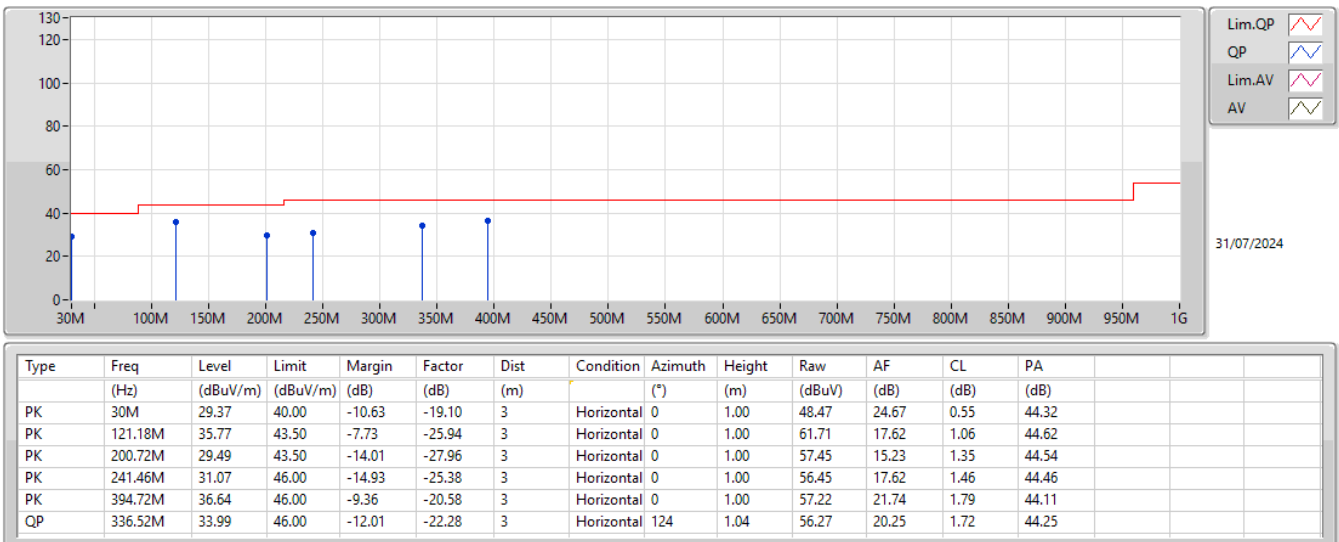
2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2437MHz_Adapter



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

2437MHz_Adapter



**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	7.30968G	52.76	54.00	-1.24	3	Vertical	166	1.89
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.389G	52.67	54.00	-1.33	3	Vertical	232	2.78
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	PK	2.389G	72.56	74.00	-1.44	3	Vertical	233	2.86
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	AV	2.3894G	52.93	54.00	-1.07	3	Vertical	233	2.76

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	2.39G	47.61	54.00	-6.39	3	Vertical	237	1.50
2412MHz	Pass	AV	2.4128G	108.21	Inf	-Inf	3	Vertical	237	1.50
2412MHz	Pass	PK	2.3686G	58.55	74.00	-15.45	3	Vertical	237	1.50
2412MHz	Pass	PK	2.4128G	110.56	Inf	-Inf	3	Vertical	237	1.50
2412MHz	Pass	AV	2.3852G	48.47	54.00	-5.53	3	Horizontal	19	1.56
2412MHz	Pass	AV	2.4128G	108.38	Inf	-Inf	3	Horizontal	19	1.56
2412MHz	Pass	PK	2.3846G	58.66	74.00	-15.34	3	Horizontal	19	1.56
2412MHz	Pass	PK	2.4128G	110.77	Inf	-Inf	3	Horizontal	19	1.56
2412MHz	Pass	AV	4.82396G	48.91	54.00	-5.09	3	Vertical	25	3.00
2412MHz	Pass	PK	4.82396G	51.64	74.00	-22.36	3	Vertical	25	3.00
2412MHz	Pass	AV	4.82396G	44.44	54.00	-9.56	3	Horizontal	139	2.48
2412MHz	Pass	PK	4.82392G	48.83	74.00	-25.17	3	Horizontal	139	2.48
2437MHz	Pass	AV	2.3862G	45.98	54.00	-8.02	3	Vertical	244	1.50
2437MHz	Pass	AV	2.4362G	106.08	Inf	-Inf	3	Vertical	244	1.50
2437MHz	Pass	AV	2.4842G	46.64	54.00	-7.36	3	Vertical	244	1.50
2437MHz	Pass	PK	2.3746G	57.54	74.00	-16.46	3	Vertical	244	1.50
2437MHz	Pass	PK	2.4362G	108.66	Inf	-Inf	3	Vertical	244	1.50
2437MHz	Pass	PK	2.491G	57.86	74.00	-16.14	3	Vertical	244	1.50
2437MHz	Pass	AV	2.3866G	46.12	54.00	-7.88	3	Horizontal	34	1.11
2437MHz	Pass	AV	2.4378G	106.55	Inf	-Inf	3	Horizontal	34	1.11
2437MHz	Pass	AV	2.4835G	46.73	54.00	-7.27	3	Horizontal	34	1.11
2437MHz	Pass	PK	2.3818G	57.09	74.00	-16.91	3	Horizontal	34	1.11
2437MHz	Pass	PK	2.4378G	108.95	Inf	-Inf	3	Horizontal	34	1.11
2437MHz	Pass	PK	2.4906G	58.34	74.00	-15.66	3	Horizontal	34	1.11
2437MHz	Pass	AV	4.87396G	46.57	54.00	-7.43	3	Vertical	32	2.88
2437MHz	Pass	AV	7.30968G	52.76	54.00	-1.24	3	Vertical	166	1.89
2437MHz	Pass	PK	4.87388G	50.32	74.00	-23.68	3	Vertical	32	2.88
2437MHz	Pass	PK	7.31004G	57.61	74.00	-16.39	3	Vertical	166	1.89
2437MHz	Pass	AV	4.87396G	43.77	54.00	-10.23	3	Horizontal	171	3.00
2437MHz	Pass	AV	7.31012G	47.70	54.00	-6.30	3	Horizontal	143	2.39
2437MHz	Pass	PK	4.874G	48.66	74.00	-25.34	3	Horizontal	171	3.00
2437MHz	Pass	PK	7.31008G	53.83	74.00	-20.17	3	Horizontal	143	2.39
2462MHz	Pass	AV	2.4628G	105.88	Inf	-Inf	3	Vertical	55	1.50
2462MHz	Pass	AV	2.4835G	48.45	54.00	-5.55	3	Vertical	55	1.50
2462MHz	Pass	PK	2.4628G	108.22	Inf	-Inf	3	Vertical	55	1.50
2462MHz	Pass	PK	2.4838G	58.58	74.00	-15.42	3	Vertical	55	1.50
2462MHz	Pass	AV	2.4612G	107.41	Inf	-Inf	3	Horizontal	215	1.05
2462MHz	Pass	AV	2.4942G	50.29	54.00	-3.71	3	Horizontal	215	1.05
2462MHz	Pass	PK	2.461G	109.69	Inf	-Inf	3	Horizontal	215	1.05
2462MHz	Pass	PK	2.4916G	59.19	74.00	-14.81	3	Horizontal	215	1.05
2462MHz	Pass	AV	4.92392G	38.77	54.00	-15.23	3	Vertical	202	2.22
2462MHz	Pass	AV	7.38768G	51.29	54.00	-2.71	3	Vertical	46	2.51
2462MHz	Pass	PK	4.92368G	45.08	74.00	-28.92	3	Vertical	202	2.22
2462MHz	Pass	PK	7.38796G	56.25	74.00	-17.75	3	Vertical	46	2.51
2462MHz	Pass	AV	4.924G	38.37	54.00	-15.63	3	Horizontal	231	2.71
2462MHz	Pass	AV	7.38532G	50.19	54.00	-3.81	3	Horizontal	127	2.46
2462MHz	Pass	PK	4.92372G	45.31	74.00	-28.69	3	Horizontal	231	2.71
2462MHz	Pass	PK	7.38532G	55.55	74.00	-18.45	3	Horizontal	127	2.46
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.50	54.00	-1.50	3	Vertical	234	2.81
2412MHz	Pass	AV	2.4112G	103.78	Inf	-Inf	3	Vertical	234	2.81
2412MHz	Pass	PK	2.3806G	71.67	74.00	-2.33	3	Vertical	234	2.81
2412MHz	Pass	PK	2.4112G	112.73	Inf	-Inf	3	Vertical	234	2.81
2412MHz	Pass	AV	2.388G	49.53	54.00	-4.47	3	Horizontal	28	1.32
2412MHz	Pass	AV	2.4128G	99.86	Inf	-Inf	3	Horizontal	28	1.32
2412MHz	Pass	PK	2.3886G	68.10	74.00	-5.90	3	Horizontal	28	1.32
2412MHz	Pass	PK	2.4128G	108.74	Inf	-Inf	3	Horizontal	28	1.32
2412MHz	Pass	AV	4.82212G	37.79	54.00	-16.21	3	Vertical	47	2.78
2412MHz	Pass	PK	4.82256G	50.38	74.00	-23.62	3	Vertical	47	2.78
2412MHz	Pass	AV	4.8218G	34.96	54.00	-19.04	3	Horizontal	152	2.95

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	PK	4.82176G	47.00	74.00	-27.00	3	Horizontal	152	2.95
2417MHz	Pass	AV	2.3896G	51.36	54.00	-2.64	3	Vertical	232	2.77
2417MHz	Pass	AV	2.4186G	103.39	Inf	-Inf	3	Vertical	232	2.77
2417MHz	Pass	PK	2.3894G	69.63	74.00	-4.37	3	Vertical	232	2.77
2417MHz	Pass	PK	2.419G	111.99	Inf	-Inf	3	Vertical	232	2.77
2417MHz	Pass	AV	2.39G	49.51	54.00	-4.49	3	Horizontal	28	1.00
2417MHz	Pass	AV	2.4156G	99.92	Inf	-Inf	3	Horizontal	28	1.00
2417MHz	Pass	PK	2.3896G	68.16	74.00	-5.84	3	Horizontal	28	1.00
2417MHz	Pass	PK	2.42G	108.77	Inf	-Inf	3	Horizontal	28	1.00
2437MHz	Pass	AV	2.389G	52.67	54.00	-1.33	3	Vertical	232	2.78
2437MHz	Pass	AV	2.4386G	105.48	Inf	-Inf	3	Vertical	232	2.78
2437MHz	Pass	AV	2.4835G	50.79	54.00	-3.21	3	Vertical	232	2.78
2437MHz	Pass	PK	2.3894G	67.22	74.00	-6.78	3	Vertical	232	2.78
2437MHz	Pass	PK	2.4338G	114.86	Inf	-Inf	3	Vertical	232	2.78
2437MHz	Pass	PK	2.4835G	64.94	74.00	-9.06	3	Vertical	232	2.78
2437MHz	Pass	AV	2.3898G	49.61	54.00	-4.39	3	Horizontal	27	1.50
2437MHz	Pass	AV	2.4354G	102.06	Inf	-Inf	3	Horizontal	27	1.50
2437MHz	Pass	AV	2.4854G	48.50	54.00	-5.50	3	Horizontal	27	1.50
2437MHz	Pass	PK	2.3898G	64.77	74.00	-9.23	3	Horizontal	27	1.50
2437MHz	Pass	PK	2.4354G	110.39	Inf	-Inf	3	Horizontal	27	1.50
2437MHz	Pass	PK	2.485G	62.07	74.00	-11.93	3	Horizontal	27	1.50
2437MHz	Pass	AV	4.87228G	38.60	54.00	-15.40	3	Vertical	23	3.00
2437MHz	Pass	AV	7.30968G	47.59	54.00	-6.41	3	Vertical	165	1.90
2437MHz	Pass	PK	4.87268G	50.83	74.00	-23.17	3	Vertical	23	3.00
2437MHz	Pass	PK	7.30956G	60.86	74.00	-13.14	3	Vertical	165	1.90
2437MHz	Pass	AV	4.87184G	34.62	54.00	-19.38	3	Horizontal	151	3.00
2437MHz	Pass	AV	7.309G	42.48	54.00	-11.52	3	Horizontal	160	2.66
2437MHz	Pass	PK	4.87144G	46.94	74.00	-27.06	3	Horizontal	151	3.00
2437MHz	Pass	PK	7.3094G	55.20	74.00	-18.80	3	Horizontal	160	2.66
2457MHz	Pass	AV	2.4562G	103.48	Inf	-Inf	3	Vertical	231	3.00
2457MHz	Pass	AV	2.4856G	52.16	54.00	-1.84	3	Vertical	231	3.00
2457MHz	Pass	PK	2.4562G	112.24	Inf	-Inf	3	Vertical	231	3.00
2457MHz	Pass	PK	2.4866G	70.56	74.00	-3.44	3	Vertical	231	3.00
2457MHz	Pass	AV	2.456G	99.97	Inf	-Inf	3	Horizontal	31	1.41
2457MHz	Pass	AV	2.4856G	48.65	54.00	-5.35	3	Horizontal	31	1.41
2457MHz	Pass	PK	2.456G	108.32	Inf	-Inf	3	Horizontal	31	1.41
2457MHz	Pass	PK	2.4962G	64.45	74.00	-9.55	3	Horizontal	31	1.41
2462MHz	Pass	AV	2.459G	102.14	Inf	-Inf	3	Vertical	232	3.00
2462MHz	Pass	AV	2.4835G	51.72	54.00	-2.28	3	Vertical	232	3.00
2462MHz	Pass	PK	2.4642G	110.66	Inf	-Inf	3	Vertical	232	3.00
2462MHz	Pass	PK	2.4838G	67.89	74.00	-6.11	3	Vertical	232	3.00
2462MHz	Pass	AV	2.461G	98.88	Inf	-Inf	3	Horizontal	229	1.07
2462MHz	Pass	AV	2.4848G	47.69	54.00	-6.31	3	Horizontal	229	1.07
2462MHz	Pass	PK	2.4608G	107.03	Inf	-Inf	3	Horizontal	229	1.07
2462MHz	Pass	PK	2.484G	61.26	74.00	-12.74	3	Horizontal	229	1.07
2462MHz	Pass	AV	4.92244G	32.83	54.00	-21.17	3	Vertical	21	3.00
2462MHz	Pass	AV	7.38654G	40.61	54.00	-13.39	3	Vertical	196	2.71
2462MHz	Pass	PK	4.92196G	44.96	74.00	-29.04	3	Vertical	21	3.00
2462MHz	Pass	PK	7.38648G	53.59	74.00	-20.41	3	Vertical	196	2.71
2462MHz	Pass	AV	4.91652G	31.56	54.00	-22.44	3	Horizontal	314	1.51
2462MHz	Pass	AV	7.38636G	38.58	54.00	-15.42	3	Horizontal	174	2.75
2462MHz	Pass	PK	4.92712G	43.79	74.00	-30.21	3	Horizontal	314	1.51
2462MHz	Pass	PK	7.39152G	50.70	74.00	-23.30	3	Horizontal	174	2.75
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3896G	52.00	54.00	-2.00	3	Vertical	233	2.86
2412MHz	Pass	AV	2.4116G	101.61	Inf	-Inf	3	Vertical	233	2.86
2412MHz	Pass	PK	2.389G	72.56	74.00	-1.44	3	Vertical	233	2.86
2412MHz	Pass	PK	2.409G	112.64	Inf	-Inf	3	Vertical	233	2.86
2412MHz	Pass	AV	2.3888G	48.82	54.00	-5.18	3	Horizontal	14	1.55
2412MHz	Pass	AV	2.4114G	98.34	Inf	-Inf	3	Horizontal	14	1.55
2412MHz	Pass	PK	2.3888G	67.85	74.00	-6.15	3	Horizontal	14	1.55
2412MHz	Pass	PK	2.4114G	109.16	Inf	-Inf	3	Horizontal	14	1.55

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	AV	4.82064G	32.12	54.00	-21.88	3	Vertical	175	2.69
2412MHz	Pass	PK	4.82394G	43.63	74.00	-30.37	3	Vertical	175	2.69
2412MHz	Pass	AV	4.8231G	31.04	54.00	-22.96	3	Horizontal	22	1.09
2412MHz	Pass	PK	4.82166G	43.67	74.00	-30.33	3	Horizontal	22	1.09
2417MHz	Pass	AV	2.3878G	52.25	54.00	-1.75	3	Vertical	234	2.74
2417MHz	Pass	AV	2.4178G	102.88	Inf	-Inf	3	Vertical	234	2.74
2417MHz	Pass	PK	2.3878G	70.05	74.00	-3.95	3	Vertical	234	2.74
2417MHz	Pass	PK	2.4152G	113.89	Inf	-Inf	3	Vertical	234	2.74
2417MHz	Pass	AV	2.3888G	50.48	54.00	-3.52	3	Horizontal	25	1.00
2417MHz	Pass	AV	2.4186G	99.76	Inf	-Inf	3	Horizontal	25	1.00
2417MHz	Pass	PK	2.3884G	68.41	74.00	-5.59	3	Horizontal	25	1.00
2417MHz	Pass	PK	2.4158G	110.75	Inf	-Inf	3	Horizontal	25	1.00
2437MHz	Pass	AV	2.389G	52.31	54.00	-1.69	3	Vertical	232	2.76
2437MHz	Pass	AV	2.4366G	104.11	Inf	-Inf	3	Vertical	232	2.76
2437MHz	Pass	AV	2.4838G	49.92	54.00	-4.08	3	Vertical	232	2.76
2437MHz	Pass	PK	2.3866G	65.59	74.00	-8.41	3	Vertical	232	2.76
2437MHz	Pass	PK	2.4342G	115.78	Inf	-Inf	3	Vertical	232	2.76
2437MHz	Pass	PK	2.4842G	63.52	74.00	-10.48	3	Vertical	232	2.76
2437MHz	Pass	AV	2.3898G	49.58	54.00	-4.42	3	Horizontal	31	1.50
2437MHz	Pass	AV	2.4378G	101.50	Inf	-Inf	3	Horizontal	31	1.50
2437MHz	Pass	AV	2.4835G	48.52	54.00	-5.48	3	Horizontal	31	1.50
2437MHz	Pass	PK	2.3898G	63.77	74.00	-10.23	3	Horizontal	31	1.50
2437MHz	Pass	PK	2.4354G	112.07	Inf	-Inf	3	Horizontal	31	1.50
2437MHz	Pass	PK	2.4835G	62.42	74.00	-11.58	3	Horizontal	31	1.50
2437MHz	Pass	AV	4.8731G	32.95	54.00	-21.05	3	Vertical	130	1.46
2437MHz	Pass	AV	7.30908G	45.32	54.00	-8.68	3	Vertical	166	2.03
2437MHz	Pass	PK	4.86548G	44.01	74.00	-29.99	3	Vertical	130	1.46
2437MHz	Pass	PK	7.31148G	58.64	74.00	-15.36	3	Vertical	166	2.03
2437MHz	Pass	AV	4.8731G	31.19	54.00	-22.81	3	Horizontal	80	1.62
2437MHz	Pass	AV	7.31112G	40.47	54.00	-13.53	3	Horizontal	175	1.50
2437MHz	Pass	PK	4.8653G	43.93	74.00	-30.07	3	Horizontal	80	1.62
2437MHz	Pass	PK	7.31388G	53.45	74.00	-20.55	3	Horizontal	175	1.50
2457MHz	Pass	AV	2.4554G	102.60	Inf	-Inf	3	Vertical	231	3.00
2457MHz	Pass	AV	2.4835G	51.35	54.00	-2.65	3	Vertical	231	3.00
2457MHz	Pass	PK	2.4578G	114.24	Inf	-Inf	3	Vertical	231	3.00
2457MHz	Pass	PK	2.4876G	66.86	74.00	-7.14	3	Vertical	231	3.00
2457MHz	Pass	AV	2.4564G	98.32	Inf	-Inf	3	Horizontal	29	1.00
2457MHz	Pass	AV	2.484G	48.41	54.00	-5.59	3	Horizontal	29	1.00
2457MHz	Pass	PK	2.4514G	109.40	Inf	-Inf	3	Horizontal	29	1.00
2457MHz	Pass	PK	2.4862G	63.02	74.00	-10.98	3	Horizontal	29	1.00
2462MHz	Pass	AV	2.4594G	100.25	Inf	-Inf	3	Vertical	231	2.99
2462MHz	Pass	AV	2.484G	52.55	54.00	-1.45	3	Vertical	231	2.99
2462MHz	Pass	PK	2.4596G	111.77	Inf	-Inf	3	Vertical	231	2.99
2462MHz	Pass	PK	2.4842G	71.88	74.00	-2.12	3	Vertical	231	2.99
2462MHz	Pass	AV	2.4628G	98.00	Inf	-Inf	3	Horizontal	230	1.07
2462MHz	Pass	AV	2.4835G	49.46	54.00	-4.54	3	Horizontal	230	1.07
2462MHz	Pass	PK	2.46G	108.74	Inf	-Inf	3	Horizontal	230	1.07
2462MHz	Pass	PK	2.4854G	65.92	74.00	-8.08	3	Horizontal	230	1.07
2462MHz	Pass	AV	4.91518G	31.23	54.00	-22.77	3	Vertical	48	2.77
2462MHz	Pass	AV	7.38498G	39.92	54.00	-14.08	3	Vertical	45	2.49
2462MHz	Pass	PK	4.92538G	43.51	74.00	-30.49	3	Vertical	48	2.77
2462MHz	Pass	PK	7.38006G	53.29	74.00	-20.71	3	Vertical	45	2.49
2462MHz	Pass	AV	4.91386G	31.10	54.00	-22.90	3	Horizontal	312	1.94
2462MHz	Pass	AV	7.37736G	36.19	54.00	-17.81	3	Horizontal	257	1.32
2462MHz	Pass	PK	4.91068G	42.99	74.00	-31.01	3	Horizontal	312	1.94
2462MHz	Pass	PK	7.37382G	48.60	74.00	-25.40	3	Horizontal	257	1.32
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.388G	51.74	54.00	-2.26	3	Vertical	232	2.79
2422MHz	Pass	AV	2.4228G	99.71	Inf	-Inf	3	Vertical	232	2.79
2422MHz	Pass	AV	2.4852G	46.76	54.00	-7.24	3	Vertical	232	2.79
2422MHz	Pass	PK	2.388G	63.83	74.00	-10.17	3	Vertical	232	2.79
2422MHz	Pass	PK	2.4232G	110.60	Inf	-Inf	3	Vertical	232	2.79

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2422MHz	Pass	PK	2.484G	58.61	74.00	-15.39	3	Vertical	232	2.79
2422MHz	Pass	AV	2.3888G	49.88	54.00	-4.12	3	Horizontal	26	1.01
2422MHz	Pass	AV	2.4212G	96.67	Inf	-Inf	3	Horizontal	26	1.01
2422MHz	Pass	AV	2.4864G	46.27	54.00	-7.73	3	Horizontal	26	1.01
2422MHz	Pass	PK	2.3848G	61.59	74.00	-12.41	3	Horizontal	26	1.01
2422MHz	Pass	PK	2.426G	107.79	Inf	-Inf	3	Horizontal	26	1.01
2422MHz	Pass	PK	2.4992G	58.21	74.00	-15.79	3	Horizontal	26	1.01
2422MHz	Pass	AV	4.84328G	32.09	54.00	-21.91	3	Vertical	199	2.06
2422MHz	Pass	PK	4.81892G	44.37	74.00	-29.63	3	Vertical	199	2.06
2422MHz	Pass	AV	4.8428G	31.76	54.00	-22.24	3	Horizontal	219	2.24
2422MHz	Pass	PK	4.83332G	44.08	74.00	-29.92	3	Horizontal	219	2.24
2427MHz	Pass	AV	2.3894G	52.28	54.00	-1.72	3	Vertical	233	2.77
2427MHz	Pass	AV	2.429G	99.64	Inf	-Inf	3	Vertical	233	2.77
2427MHz	Pass	AV	2.4842G	47.63	54.00	-6.37	3	Vertical	233	2.77
2427MHz	Pass	PK	2.379G	65.73	74.00	-8.27	3	Vertical	233	2.77
2427MHz	Pass	PK	2.429G	110.46	Inf	-Inf	3	Vertical	233	2.77
2427MHz	Pass	PK	2.4842G	61.08	74.00	-12.92	3	Vertical	233	2.77
2427MHz	Pass	AV	2.3898G	50.48	54.00	-3.52	3	Horizontal	26	1.00
2427MHz	Pass	AV	2.425G	96.72	Inf	-Inf	3	Horizontal	26	1.00
2427MHz	Pass	AV	2.4835G	46.87	54.00	-7.13	3	Horizontal	26	1.00
2427MHz	Pass	PK	2.3882G	64.05	74.00	-9.95	3	Horizontal	26	1.00
2427MHz	Pass	PK	2.4246G	107.90	Inf	-Inf	3	Horizontal	26	1.00
2427MHz	Pass	PK	2.4922G	59.66	74.00	-14.34	3	Horizontal	26	1.00
2437MHz	Pass	AV	2.3894G	52.93	54.00	-1.07	3	Vertical	233	2.76
2437MHz	Pass	AV	2.4342G	100.19	Inf	-Inf	3	Vertical	233	2.76
2437MHz	Pass	AV	2.4838G	50.37	54.00	-3.63	3	Vertical	233	2.76
2437MHz	Pass	PK	2.3842G	68.72	74.00	-5.28	3	Vertical	233	2.76
2437MHz	Pass	PK	2.4314G	110.59	Inf	-Inf	3	Vertical	233	2.76
2437MHz	Pass	PK	2.4838G	64.24	74.00	-9.76	3	Vertical	233	2.76
2437MHz	Pass	AV	2.3898G	50.08	54.00	-3.92	3	Horizontal	28	1.49
2437MHz	Pass	AV	2.435G	96.96	Inf	-Inf	3	Horizontal	28	1.49
2437MHz	Pass	AV	2.485G	48.65	54.00	-5.35	3	Horizontal	28	1.49
2437MHz	Pass	PK	2.377G	64.17	74.00	-9.83	3	Horizontal	28	1.49
2437MHz	Pass	PK	2.4326G	108.06	Inf	-Inf	3	Horizontal	28	1.49
2437MHz	Pass	PK	2.4846G	60.94	74.00	-13.06	3	Horizontal	28	1.49
2437MHz	Pass	AV	4.8806G	31.47	54.00	-22.53	3	Vertical	37	2.36
2437MHz	Pass	AV	7.31148G	39.64	54.00	-14.36	3	Vertical	166	1.95
2437MHz	Pass	PK	4.8752G	43.55	74.00	-30.45	3	Vertical	37	2.36
2437MHz	Pass	PK	7.31148G	52.06	74.00	-21.94	3	Vertical	166	1.95
2437MHz	Pass	AV	4.87952G	31.08	54.00	-22.92	3	Horizontal	296	2.24
2437MHz	Pass	AV	7.28532G	36.58	54.00	-17.42	3	Horizontal	44	1.50
2437MHz	Pass	PK	4.88432G	44.36	74.00	-29.64	3	Horizontal	296	2.24
2437MHz	Pass	PK	7.30284G	49.42	74.00	-24.58	3	Horizontal	44	1.50
2447MHz	Pass	AV	2.3878G	48.68	54.00	-5.32	3	Vertical	231	2.71
2447MHz	Pass	AV	2.4454G	100.09	Inf	-Inf	3	Vertical	231	2.71
2447MHz	Pass	AV	2.4854G	51.85	54.00	-2.15	3	Vertical	231	2.71
2447MHz	Pass	PK	2.3878G	62.85	74.00	-11.15	3	Vertical	231	2.71
2447MHz	Pass	PK	2.4478G	110.43	Inf	-Inf	3	Vertical	231	2.71
2447MHz	Pass	PK	2.4854G	66.32	74.00	-7.68	3	Vertical	231	2.71
2447MHz	Pass	AV	2.389G	46.85	54.00	-7.15	3	Horizontal	30	1.50
2447MHz	Pass	AV	2.4438G	95.80	Inf	-Inf	3	Horizontal	30	1.50
2447MHz	Pass	AV	2.4838G	50.00	54.00	-4.00	3	Horizontal	30	1.50
2447MHz	Pass	PK	2.3838G	60.33	74.00	-13.67	3	Horizontal	30	1.50
2447MHz	Pass	PK	2.4438G	107.30	Inf	-Inf	3	Horizontal	30	1.50
2447MHz	Pass	PK	2.4842G	64.47	74.00	-9.53	3	Horizontal	30	1.50
2452MHz	Pass	AV	2.3892G	47.27	54.00	-6.73	3	Vertical	231	2.72
2452MHz	Pass	AV	2.4492G	99.13	Inf	-Inf	3	Vertical	231	2.72
2452MHz	Pass	AV	2.484G	52.84	54.00	-1.16	3	Vertical	231	2.72
2452MHz	Pass	PK	2.3868G	61.02	74.00	-12.98	3	Vertical	231	2.72
2452MHz	Pass	PK	2.4488G	109.97	Inf	-Inf	3	Vertical	231	2.72
2452MHz	Pass	PK	2.484G	66.37	74.00	-7.63	3	Vertical	231	2.72
2452MHz	Pass	AV	2.39G	46.12	54.00	-7.88	3	Horizontal	30	1.01



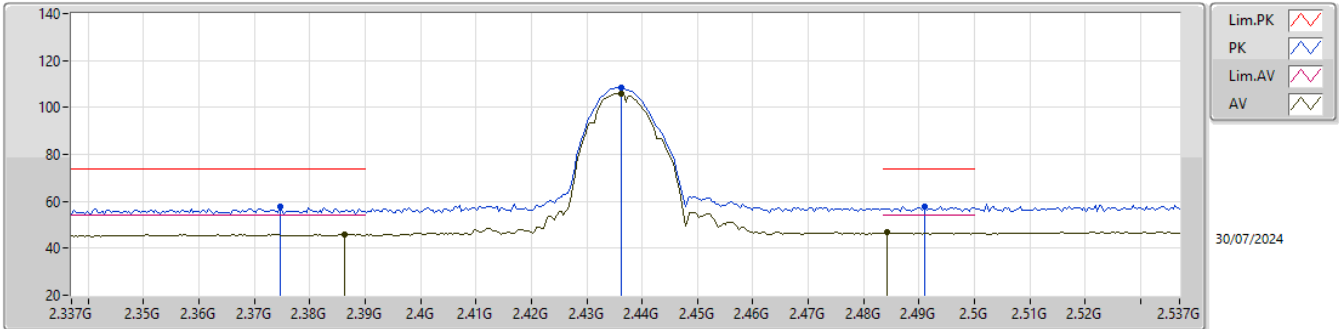
RSE TX above 1GHz_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2452MHz	Pass	AV	2.4528G	94.42	Inf	-Inf	3	Horizontal	30	1.01
2452MHz	Pass	AV	2.4852G	48.85	54.00	-5.15	3	Horizontal	30	1.01
2452MHz	Pass	PK	2.3896G	58.05	74.00	-15.95	3	Horizontal	30	1.01
2452MHz	Pass	PK	2.4524G	105.53	Inf	-Inf	3	Horizontal	30	1.01
2452MHz	Pass	PK	2.4852G	62.34	74.00	-11.66	3	Horizontal	30	1.01
2452MHz	Pass	AV	4.91936G	31.17	54.00	-22.83	3	Vertical	116	1.96
2452MHz	Pass	AV	7.34652G	36.43	54.00	-17.57	3	Vertical	237	2.78
2452MHz	Pass	PK	4.9118G	43.99	74.00	-30.01	3	Vertical	116	1.96
2452MHz	Pass	PK	7.36212G	48.35	74.00	-25.65	3	Vertical	237	2.78
2452MHz	Pass	AV	4.91444G	31.21	54.00	-22.79	3	Horizontal	47	2.92
2452MHz	Pass	AV	7.35852G	36.48	54.00	-17.52	3	Horizontal	127	2.53
2452MHz	Pass	PK	4.89104G	43.65	74.00	-30.35	3	Horizontal	47	2.92
2452MHz	Pass	PK	7.34244G	48.93	74.00	-25.07	3	Horizontal	127	2.53

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

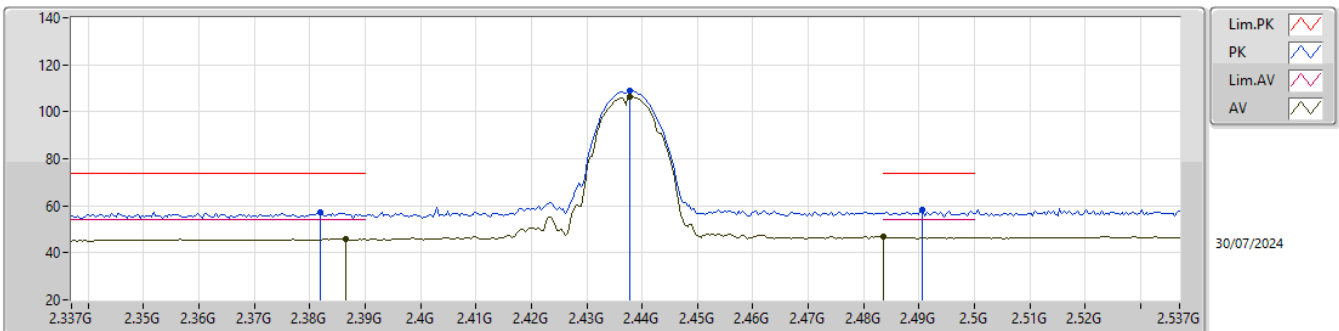
2437MHz_TX



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	2.3862G	45.98	54.00	-8.02	31.94	3	Vertical	244	1.50	14.04	27.36	4.58	-
AV	2.4362G	106.08	Inf	-Inf	32.33	3	Vertical	244	1.50	73.75	27.70	4.63	-
AV	2.4842G	46.64	54.00	-7.36	32.57	3	Vertical	244	1.50	14.07	27.90	4.67	-
PK	2.3746G	57.54	74.00	-16.46	31.87	3	Vertical	244	1.50	25.67	27.30	4.57	-
PK	2.4362G	108.66	Inf	-Inf	32.33	3	Vertical	244	1.50	76.33	27.70	4.63	-
PK	2.491G	57.86	74.00	-16.14	32.57	3	Vertical	244	1.50	25.29	27.90	4.67	-

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

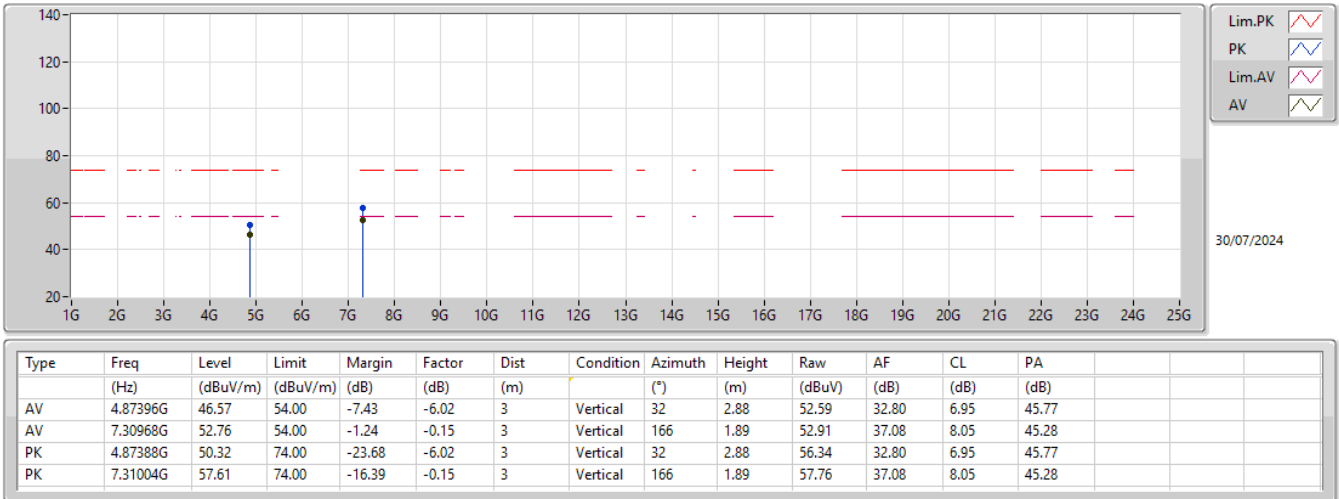
2437MHz_TX



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	2.3866G	46.12	54.00	-7.88	31.95	3	Horizontal	34	1.11	14.17	27.37	4.58	-
AV	2.4378G	106.55	Inf	-Inf	32.33	3	Horizontal	34	1.11	74.22	27.70	4.63	-
AV	2.4835G	46.73	54.00	-7.27	32.57	3	Horizontal	34	1.11	14.16	27.90	4.67	-
PK	2.3818G	57.09	74.00	-16.91	31.90	3	Horizontal	34	1.11	25.19	27.32	4.58	-
PK	2.4378G	108.95	Inf	-Inf	32.33	3	Horizontal	34	1.11	76.62	27.70	4.63	-
PK	2.4906G	58.34	74.00	-15.66	32.57	3	Horizontal	34	1.11	25.77	27.90	4.67	-

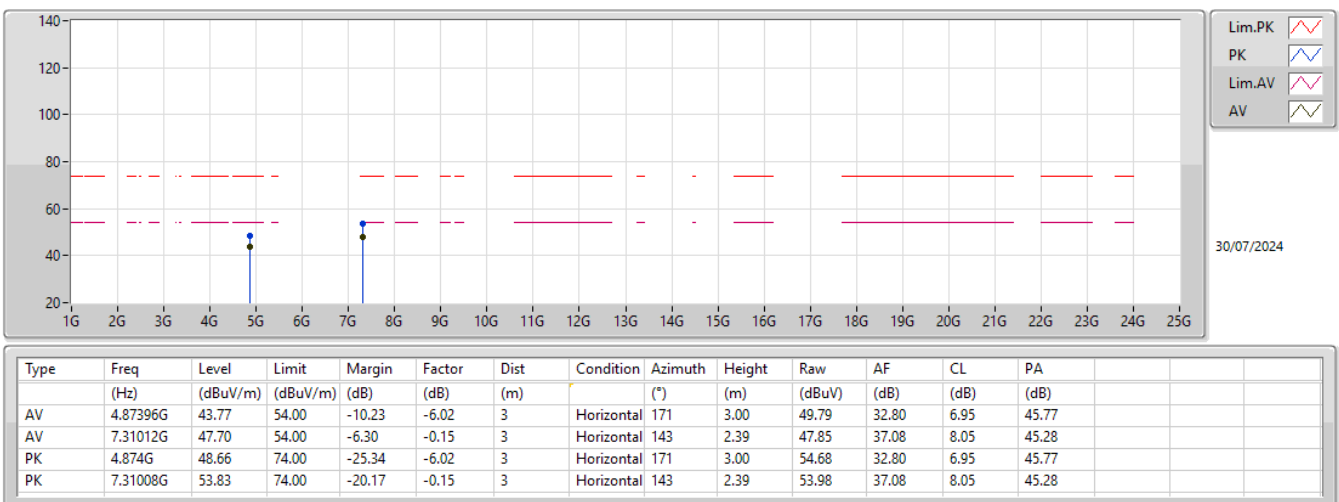
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX



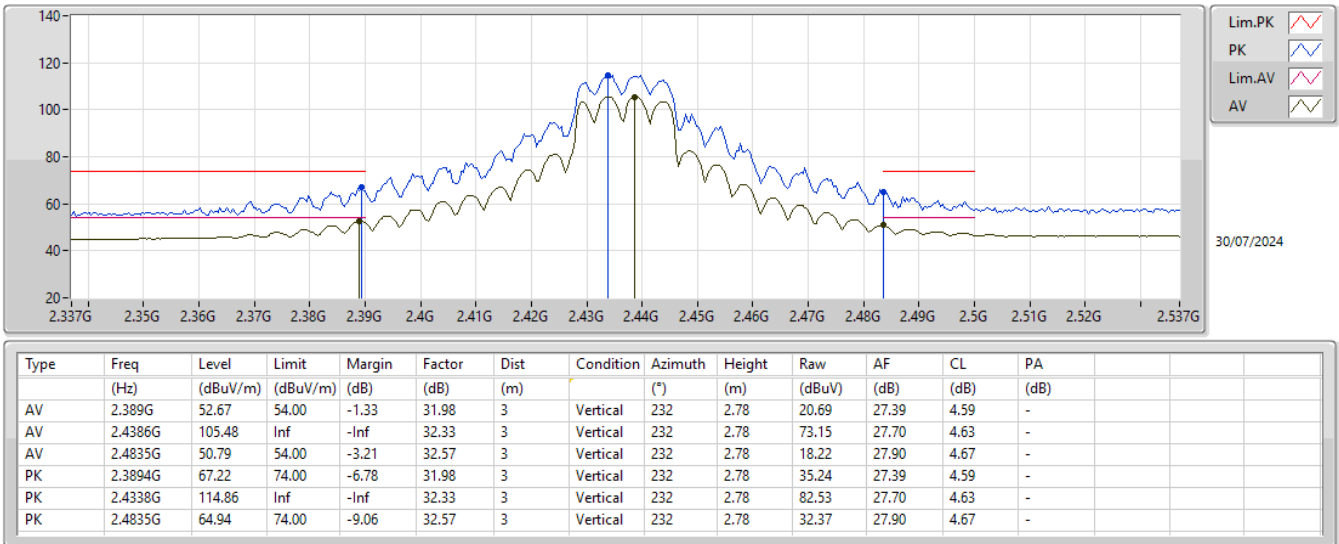
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX



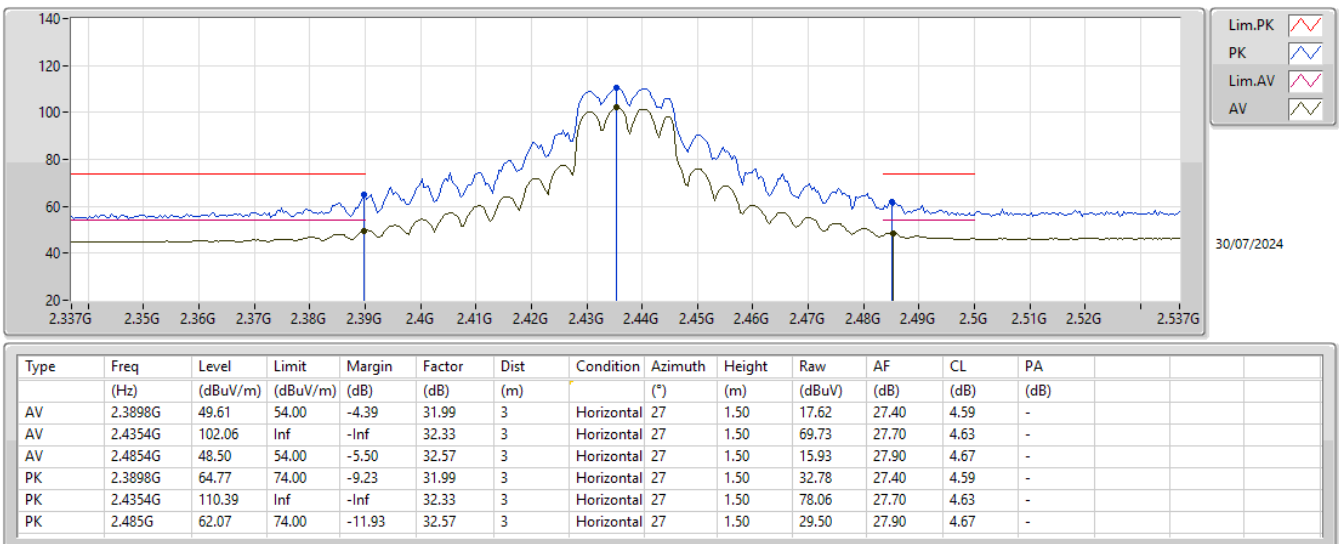
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX



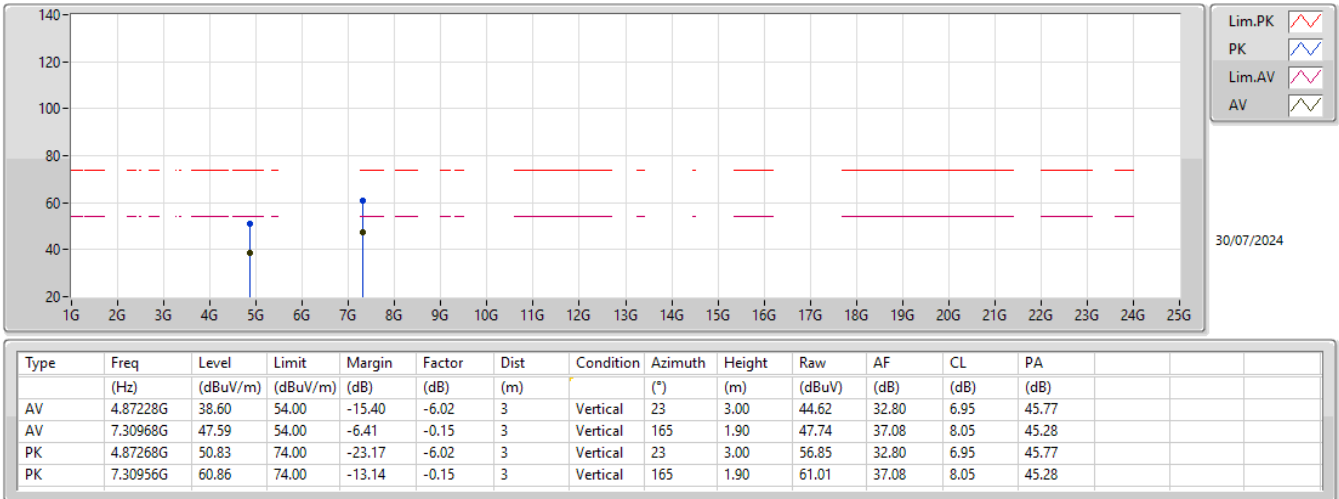
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX



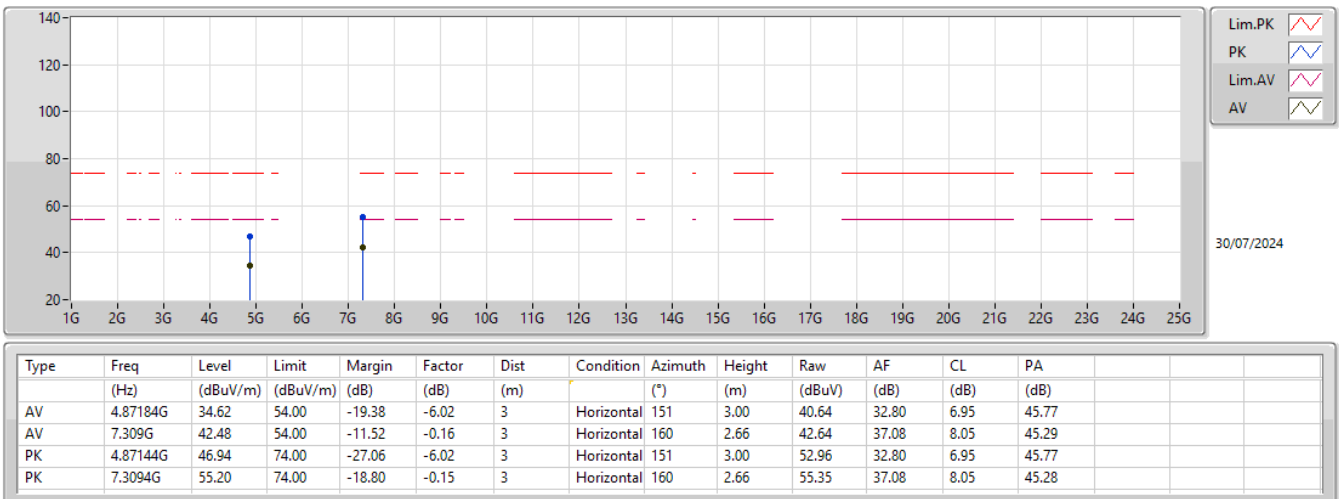
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX



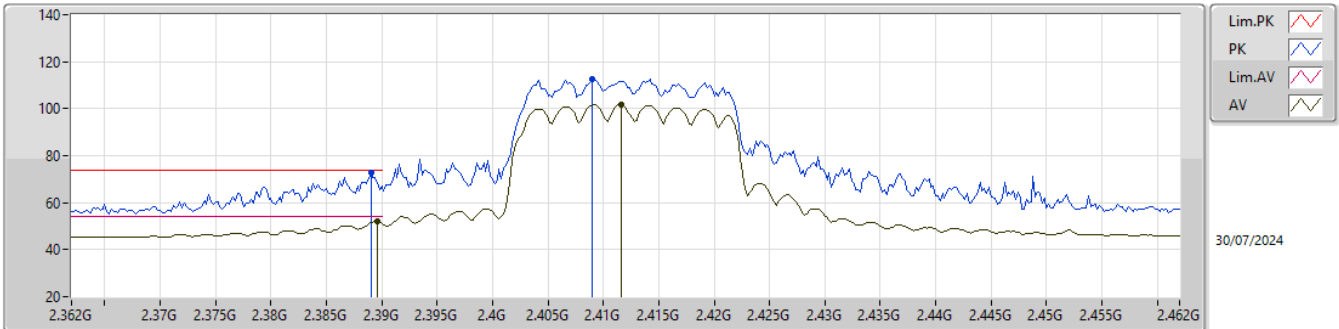
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX



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

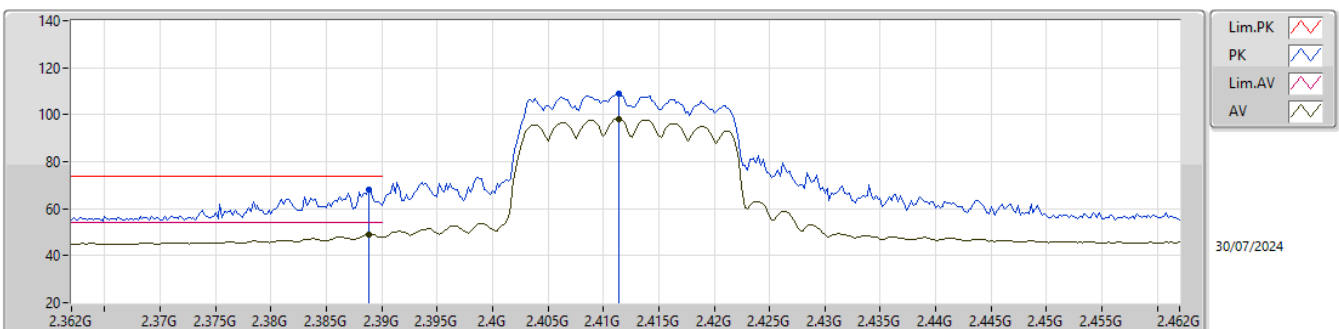
2412MHz_TX



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	2.3896G	52.00	54.00	-2.00	31.99	3	Vertical	233	2.86	20.01	27.40	4.59	-
AV	2.4116G	101.61	Inf	-Inf	32.21	3	Vertical	233	2.86	69.40	27.60	4.61	-
PK	2.389G	72.56	74.00	-1.44	31.98	3	Vertical	233	2.86	40.58	27.39	4.59	-
PK	2.409G	112.64	Inf	-Inf	32.20	3	Vertical	233	2.86	80.44	27.59	4.61	-

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

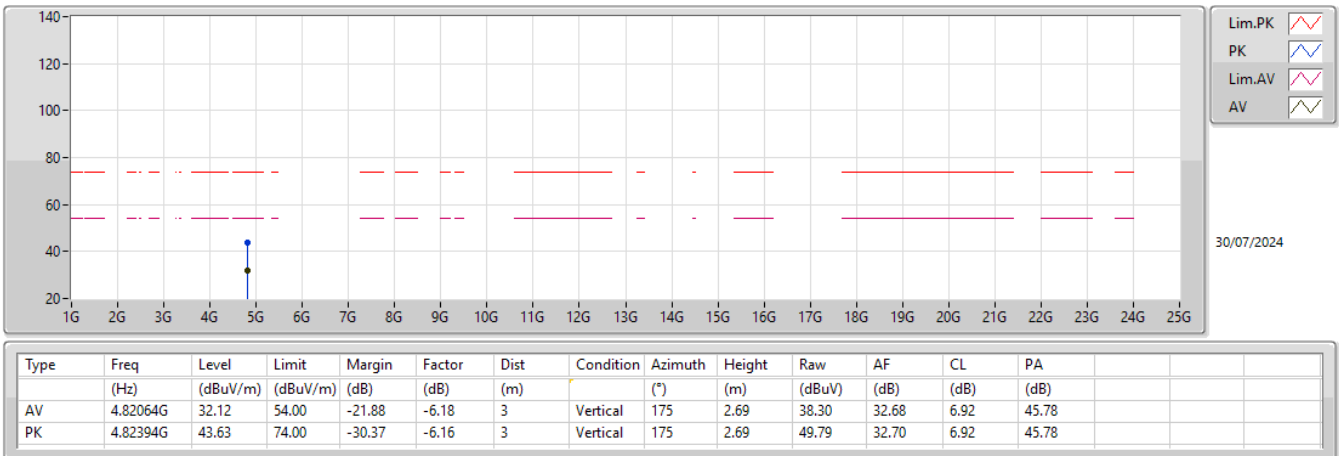
2412MHz_TX



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	2.3888G	48.82	54.00	-5.18	31.98	3	Horizontal	14	1.55	16.84	27.39	4.59	-
AV	2.4114G	98.34	Inf	-Inf	32.21	3	Horizontal	14	1.55	66.13	27.60	4.61	-
PK	2.3888G	67.85	74.00	-6.15	31.98	3	Horizontal	14	1.55	35.87	27.39	4.59	-
PK	2.4114G	109.16	Inf	-Inf	32.21	3	Horizontal	14	1.55	76.95	27.60	4.61	-

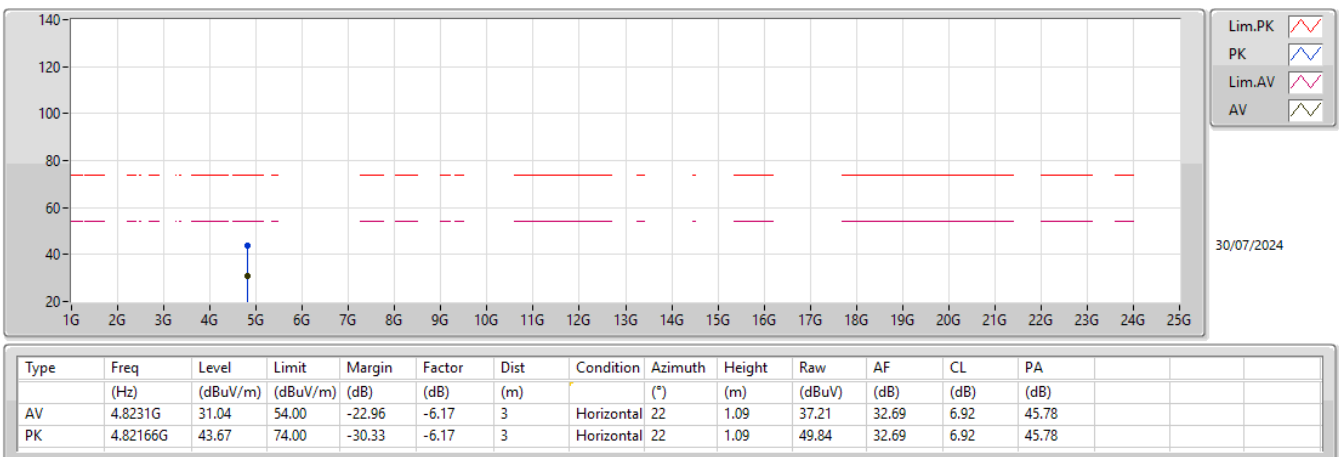
2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2412MHz_TX



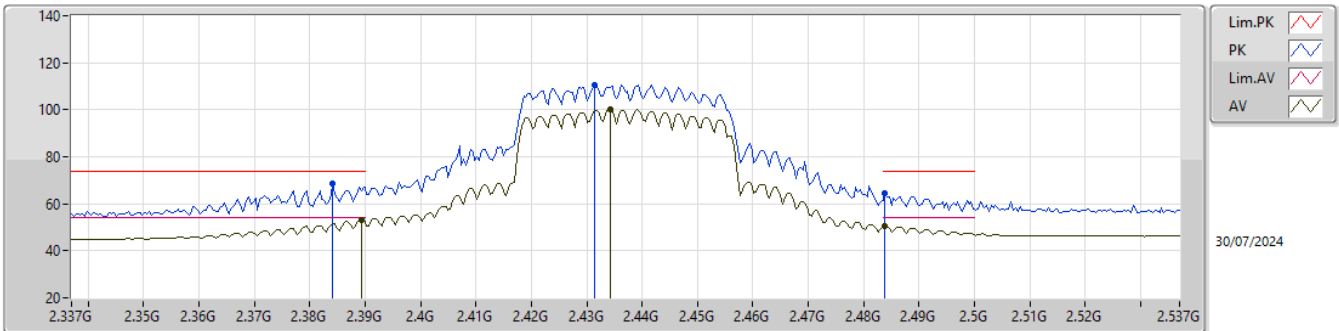
2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2412MHz_TX



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

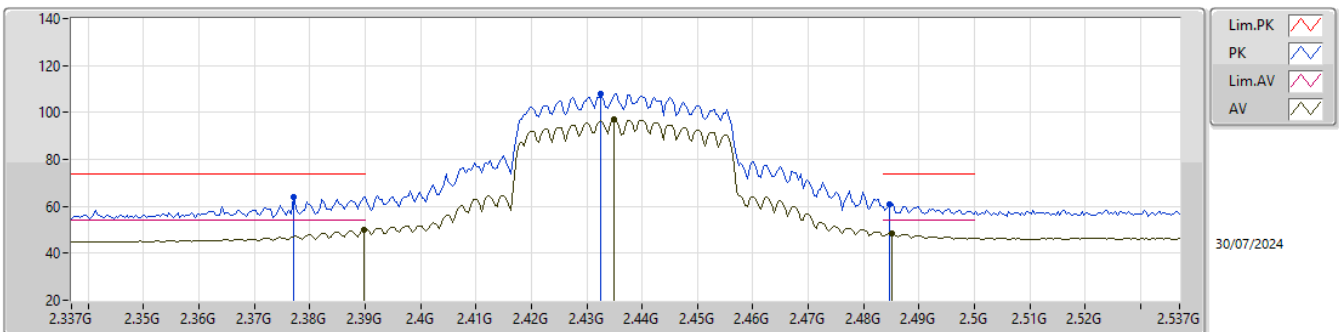
2437MHz_TX



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	2.3894G	52.93	54.00	-1.07	31.98	3	Vertical	233	2.76	20.95	27.39	4.59	-
AV	2.4342G	100.19	Inf	-Inf	32.33	3	Vertical	233	2.76	67.86	27.70	4.63	-
AV	2.4838G	50.37	54.00	-3.63	32.57	3	Vertical	233	2.76	17.80	27.90	4.67	-
PK	2.3842G	68.72	74.00	-5.28	31.92	3	Vertical	233	2.76	36.80	27.34	4.58	-
PK	2.4314G	110.59	Inf	-Inf	32.33	3	Vertical	233	2.76	78.26	27.70	4.63	-
PK	2.4838G	64.24	74.00	-9.76	32.57	3	Vertical	233	2.76	31.67	27.90	4.67	-

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

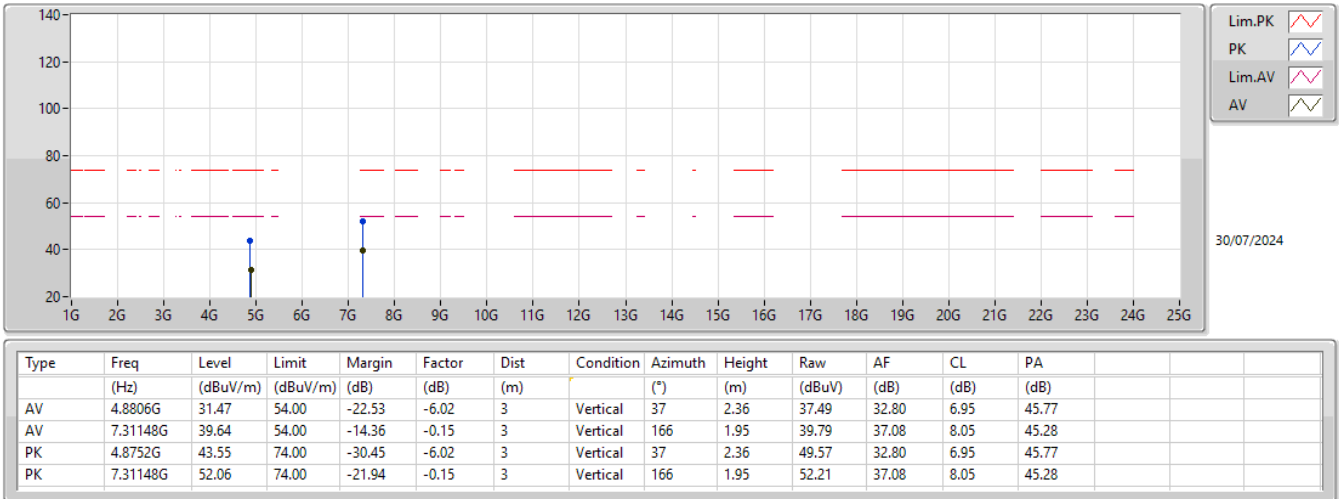
2437MHz_TX



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	2.3898G	50.08	54.00	-3.92	31.99	3	Horizontal	28	1.49	18.09	27.40	4.59	-
AV	2.435G	96.96	Inf	-Inf	32.33	3	Horizontal	28	1.49	64.63	27.70	4.63	-
AV	2.485G	48.65	54.00	-5.35	32.57	3	Horizontal	28	1.49	16.08	27.90	4.67	-
PK	2.377G	64.17	74.00	-9.83	31.87	3	Horizontal	28	1.49	32.30	27.30	4.57	-
PK	2.4326G	108.06	Inf	-Inf	32.33	3	Horizontal	28	1.49	75.73	27.70	4.63	-
PK	2.4846G	60.94	74.00	-13.06	32.57	3	Horizontal	28	1.49	28.37	27.90	4.67	-

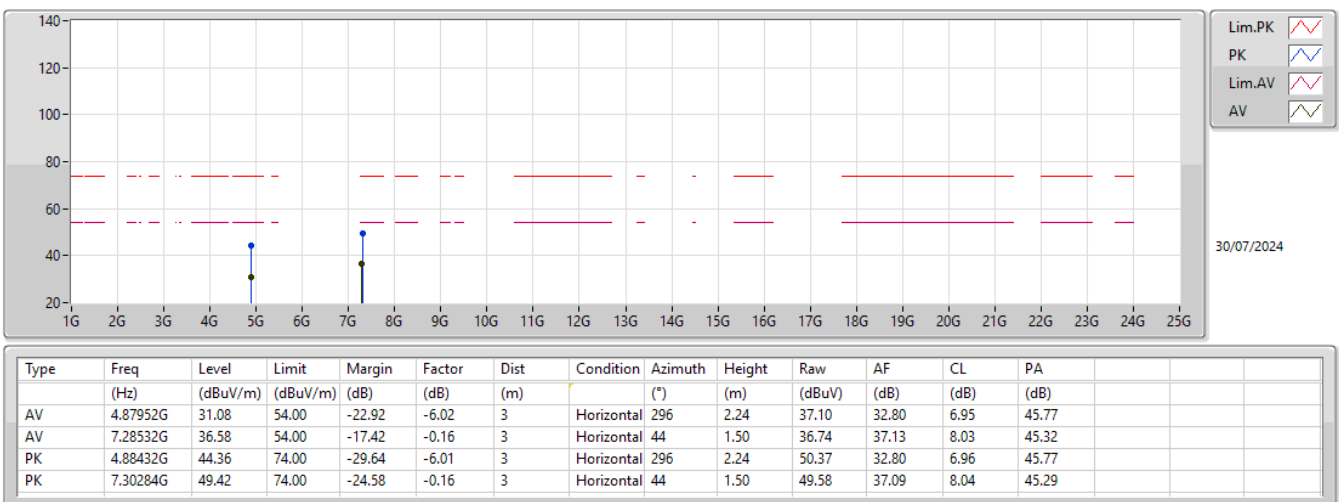
2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2437MHz_TX



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

2437MHz_TX





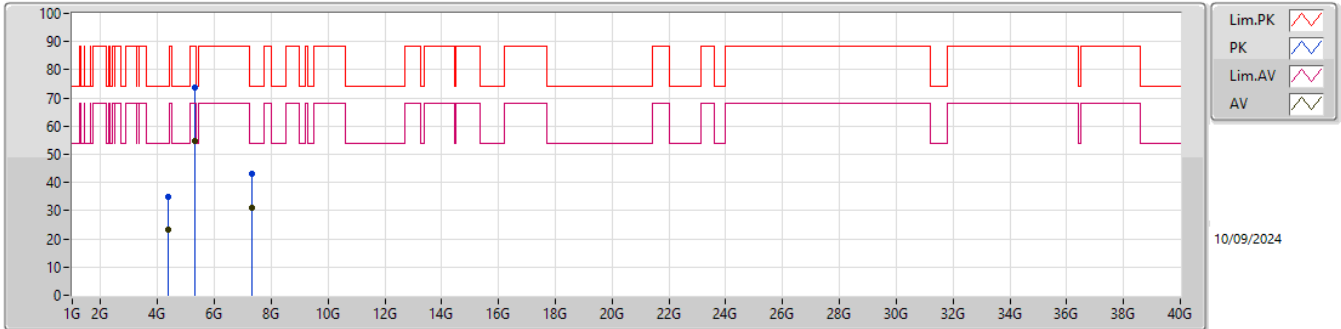
Summary

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

Result

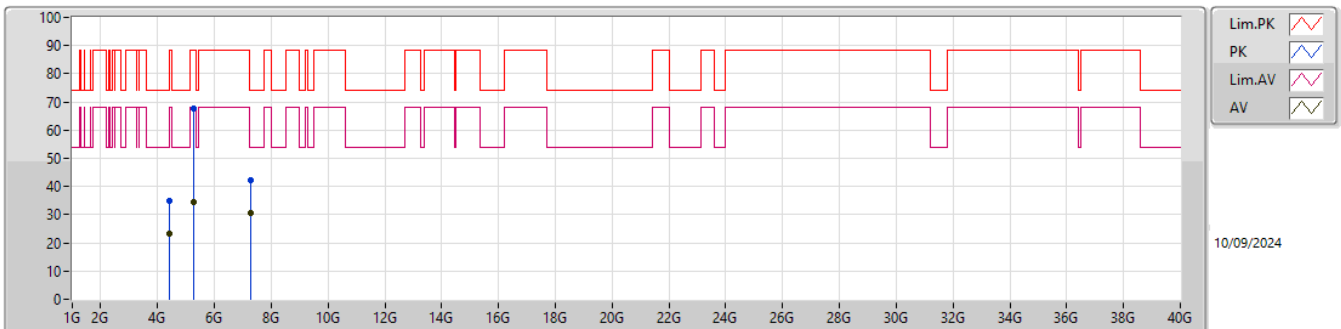
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	4.38141G	23.09	54.00	-30.91	3	Vertical	117	1.78
Mode 1	Pass	AV	5.30659G	54.81	68.20	-13.39	3	Vertical	119	1.74
Mode 1	Pass	AV	7.31782G	31.14	54.00	-22.86	3	Vertical	326	2.88
Mode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

Radiated Emissions above 1GHz_Mode 1



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

Radiated Emissions above 1GHz_Mode 1



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