

FCC Radio Test Report

FCC ID : U2M-IAP2301A

Equipment : be3600 Ceiling Mount Access Point,
EnGenius Cloud Wi-Fi 7 2x2 Dual Band
Indoor Access Point, BE3600 Dual-Band PoE
2.5G Insight Managed WiFi 7 Access Point

Brand Name : Senao, EnGenius, Netgear

Model Name : IAP2301A, ECW510, WBE700, WBE708

Applicant : Senao Networks, Inc.
3F., No.529, Zhongzheng Rd., Xindian Dist.,
New Taipei City 231, Taiwan

Manufacturer : Senao Networks, Inc.
3F., No.529, Zhongzheng Rd., Xindian Dist.,
New Taipei City 231, Taiwan

Standard : 47 CFR FCC Part 15.247

The product was received on Apr. 30, 2025, and testing was started from May 14, 2025 and completed on Jun. 11, 2025. 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
FR543006AC	01	Initial issue of report	Jul. 25, 2025

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: Michelle Tsai

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), ax(HEW20), be(EHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), 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.
- ♦ 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 /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	7102A1307000	PIFA	I-Pex	2.4G	Radio 1
2	Enrack	7102A1308000	PIFA	I-Pex	2.4G	Radio 1
3	Enrack	7102A1309000	PIFA	I-Pex	5G	Radio 2
4	Enrack	7102A1310000	PIFA	I-Pex	5G	Radio 2

Ant.	Port	Gain (dBi)					
		2.4G	5G				
			UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-4
1	2	4.3	-	-	-	-	-
2	1	3.7	-	-	-	-	-
3	2	-	3.4	3.4	3.7	3.6	3.7
4	1	-	3.8	3.8	4.2	5.1	4.5

Note 1: The EUT has four antennas.

For 2.4GHz function:

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

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

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (2TX/2RX)

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

Note 2: Directional gain information

	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{IS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{IS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{IS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

**1.1.3 EUT Information**

Operational Condition			
EUT Power Type	From PoE / 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	1	0	17.991m	10Hz (DC>=0.98)
802.11g_Nss1,(6Mbps)_2TX	0.993	0.03	1.981m	10Hz (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_2TX	0.982	0.08	5.456m	10Hz (DC>=0.98)
802.11be EHT40_Nss1,(MCS0)_2TX	0.979	0.09	5.456m	200

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	0.982	0.08	5.456m	10Hz (DC>=0.98)
802.11be EHT40-BF_Nss1,(MCS0)_2TX	0.979	0.09	5.456m	200

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

1.1.5 Table for Multiple Listing

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

Equipment	Model	Brand	Description
be3600 Ceiling Mount Access Point	IAP2301A	Senao	Same HW/SW design but the product housing comes with different logo and icon printed.
EnGenius Cloud Wi-Fi 7 2x2 Dual Band Indoor Access Point	ECW510	EnGenius	
BE3600 Dual-Band PoE 2.5G Insight Managed WiFi 7 Access Point	WBE700	Netgear	
	WBE708	Netgear	

From the above models, model: IAP2301A 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 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	Jack Tang	22.5~23.2°C / 52~64%	11/Jun/2025
RF Conducted	TH07-HY	Raven Chien	22.5~23.7°C / 51~60%	19/May/2025~28/May/2025
Radiated	03CH02-HY	Daniel Lin	22.2~24.9°C / 50~55%	14/May/2025~17/May/2025
Radiated (Co-Location)	03CH02-HY	Vasari Huang	21.3~22.9°C / 53~58%	28/May/2025
☐ 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	

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	qdart_conn.win.1.0_installer_00099
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Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	22.5
2417MHz	22.5
2437MHz	23
2457MHz	22
2462MHz	20.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	19
2417MHz	20.5
2437MHz	21.5
2457MHz	19.5
2462MHz	18
802.11be EHT20_Nss1,(MCS0)_2TX	-
2412MHz	19
2417MHz	21
2437MHz	21.5
2457MHz	18.5
2462MHz	17
802.11be EHT40_Nss1,(MCS0)_2TX	-
2422MHz	16.5
2437MHz	16.5
2447MHz	16
2452MHz	16

**Beamforming**

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	19
2417MHz	21
2437MHz	21.5
2457MHz	18.5
2462MHz	17
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	16.5
2437MHz	16.5
2447MHz	16
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	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
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio 1:WLAN 2.4GHz+Radio 2:WLAN 5GHz
Refer to Sporton Test Report No.: FA543006 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	



2.3 Accessories

Accessories				
CLIP CEILING 9/16 LFP	Brand Name	SHIUH MAW	Model Name	6005A0793050
CLIP CEILING 15/16 LFP	Brand Name	SHIUH MAW	Model Name	6005A0803050

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

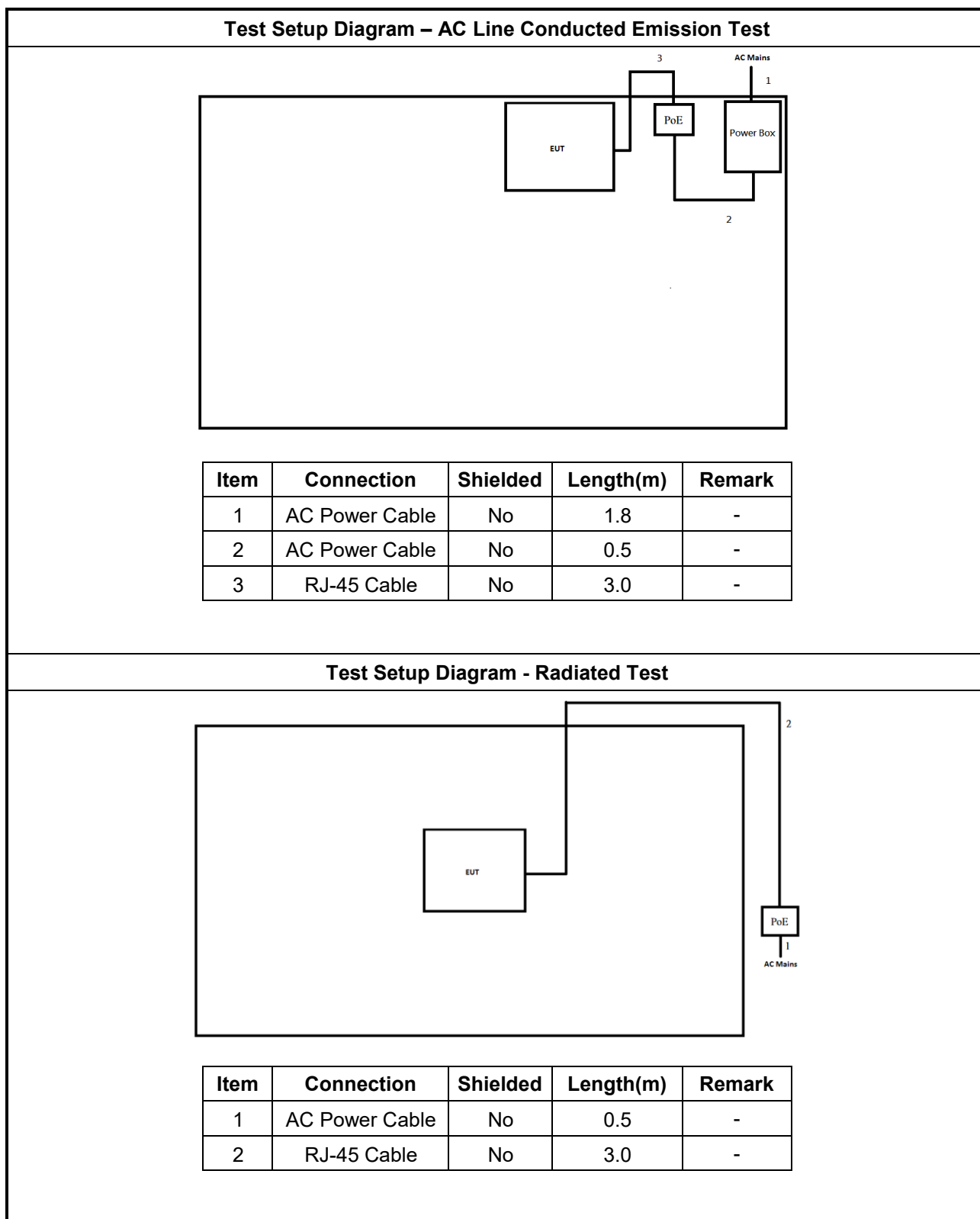
2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ-45 Cable	Power sync	CAT-6E-03	-	-
2	PoE	Senao Network Inc	EPA5006GAT-SN	-	Provided by Customer
3	Power cable (for PoE)	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	RJ-45 Cable	Power sync	CAT-6E-03	-	-
2	PoE	Senao Network Inc	EPA5006GAT-SN	-	Remote Provided by Customer
3	Power cable (for PoE)	N/A	N/A	-	Remote Provided by Customer

2.5 Test Setup Diagram



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

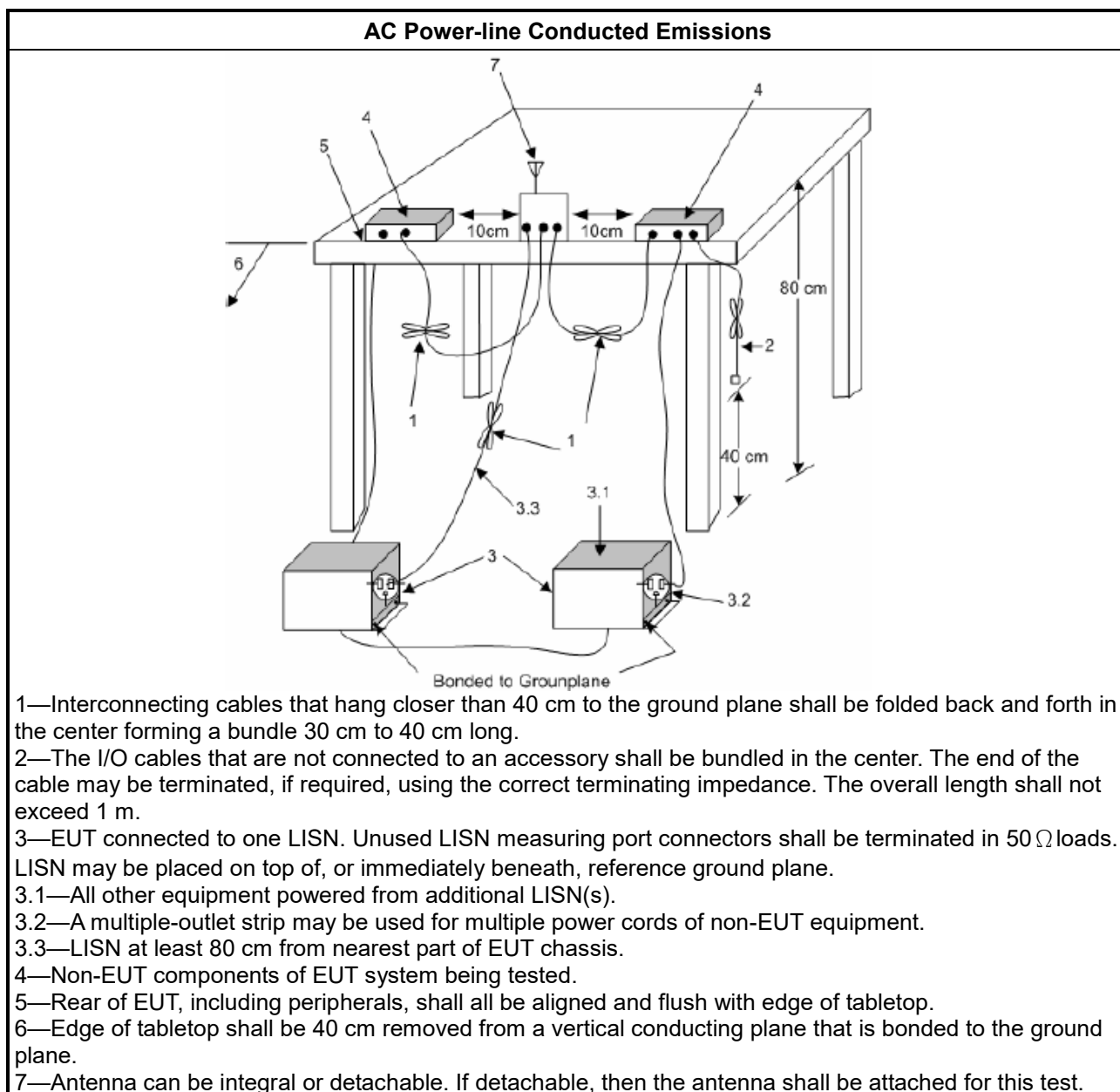
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

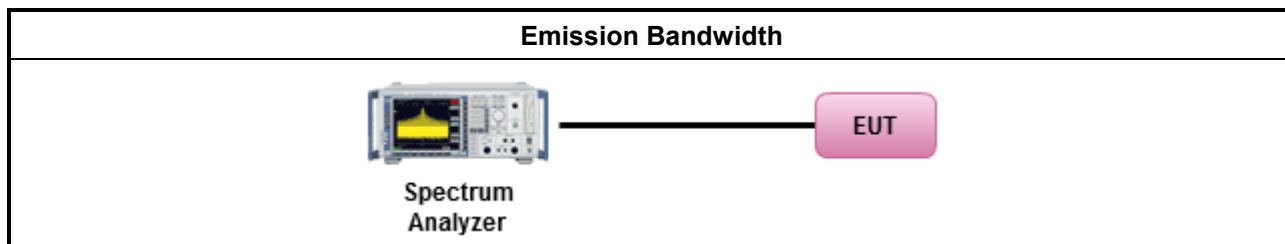
3.2.2 Measuring Instruments

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.	

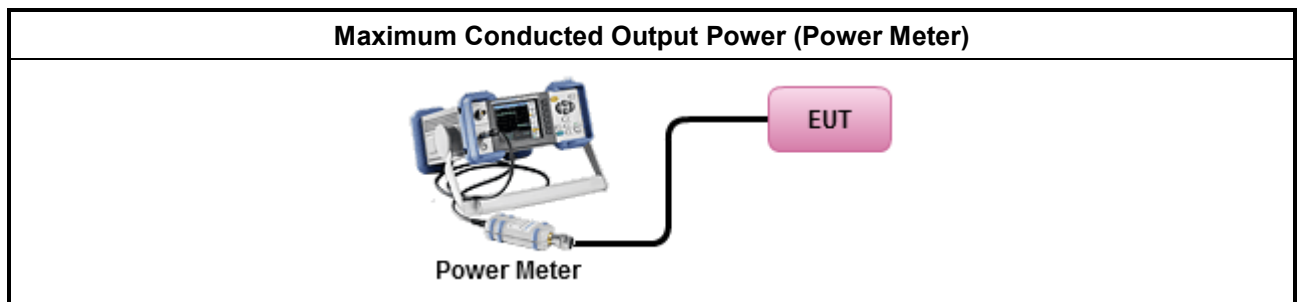
3.3.2 Measuring Instruments

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

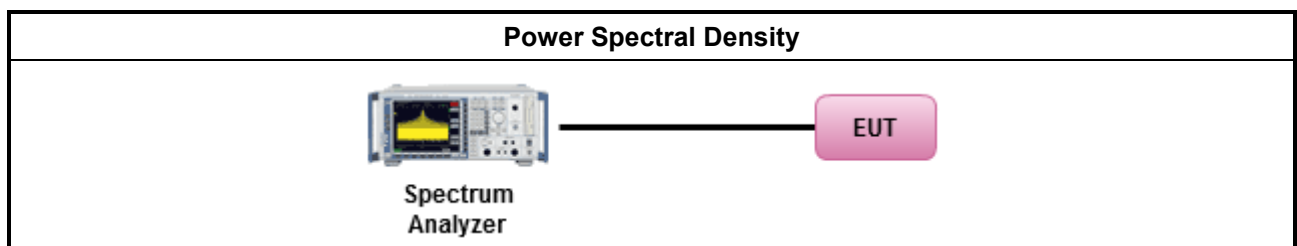
3.4.2 Measuring Instruments

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.	

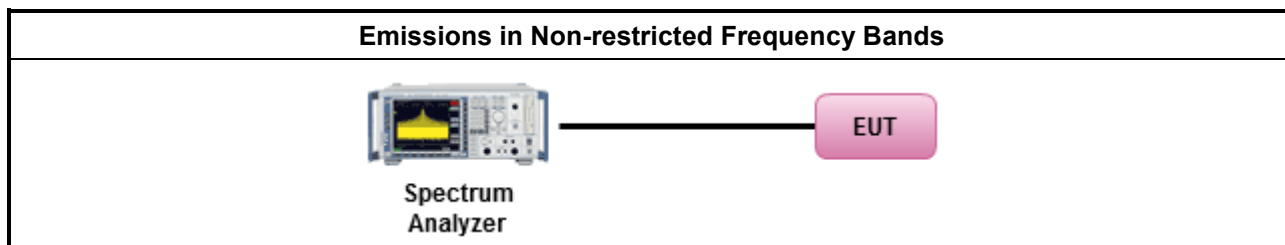
3.5.2 Measuring Instruments

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

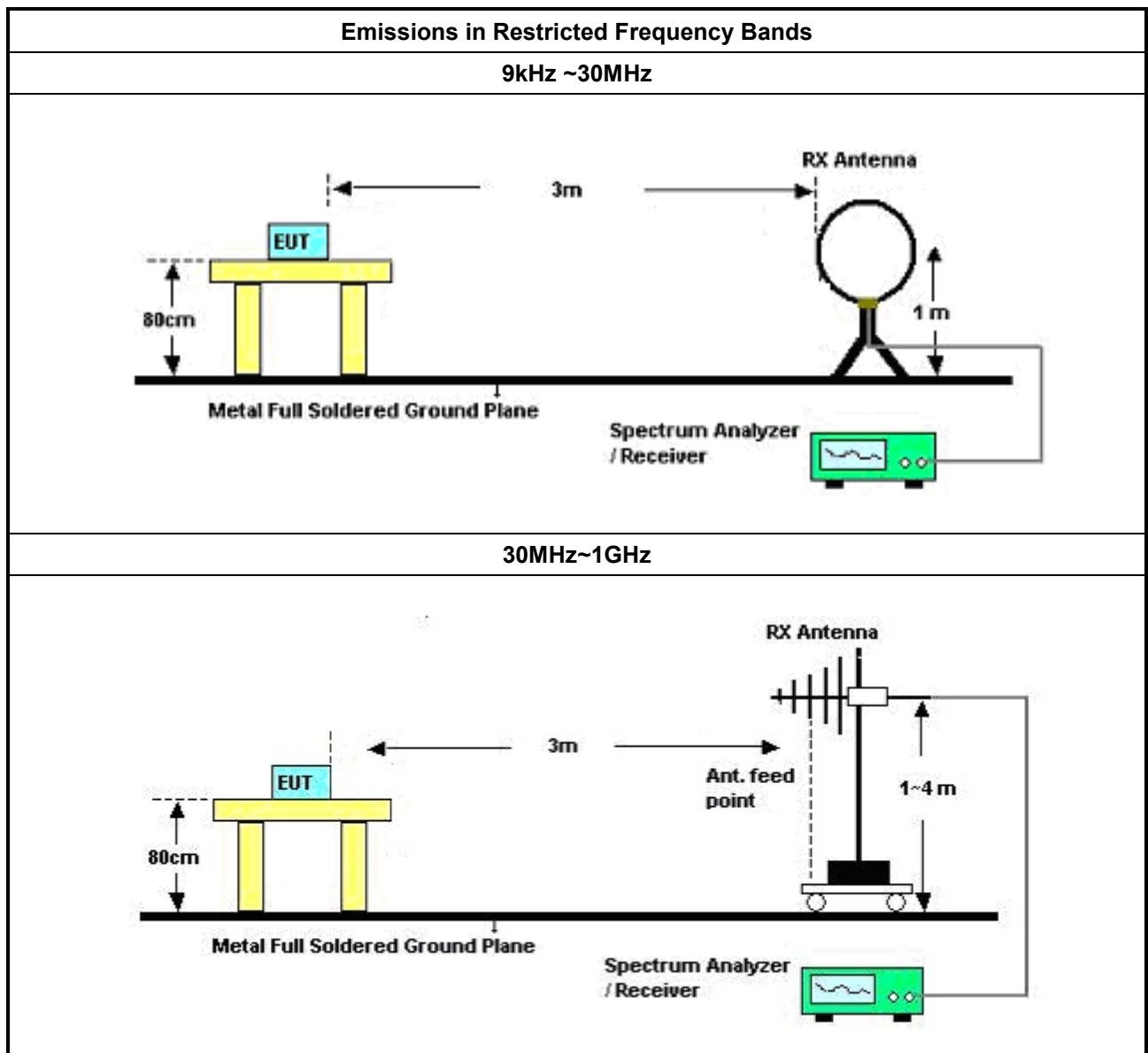
Test Method	
	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
	For the transmitter unwanted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

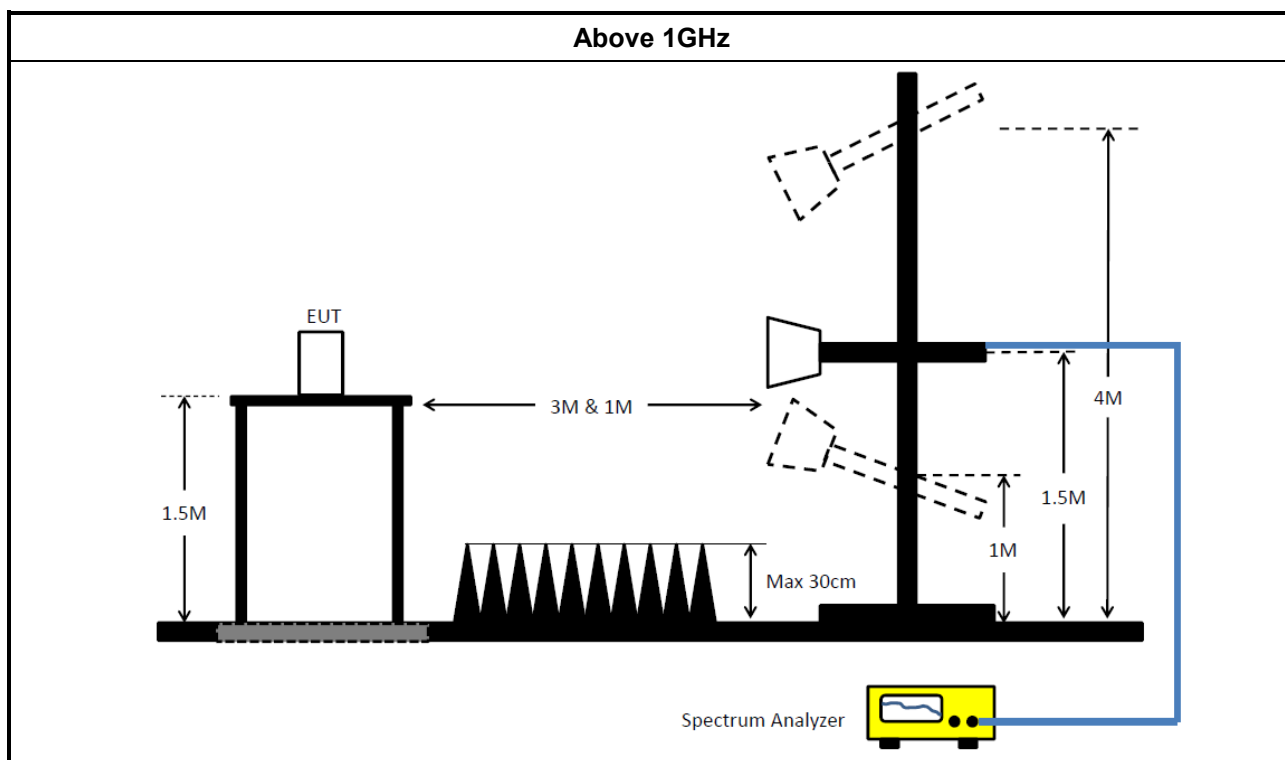
3.6.4 Measurement Results Calculation

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	21/May/2025	20/May/2026
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	100003	9kHz ~ 30MHz	18/Apr/2025	17/Apr/2026
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	26/Feb/2025	25/Feb/2026
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	101515	10Hz~40GHz	23/Jan/2025	22/Jan/2026
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	18/Dec/2024	17/Dec/2025
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	18/Dec/2024	17/Dec/2025
SENSE-15247_DTS	Sporton	V5.11.21	N/A	N/A	N/A	N/A

Instrument for Radiated Test (Co-Location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Site V.S.W.R	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3M	14/Jul/2024	13/Jul/2025
Signal Analyzer	ROHDE & SCHWARZ	FSV3044	101750	10Hz~44GHz	10/Apr/2025	09/Apr/2026
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2024	22/Sep/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	13/Feb/2025	12/Feb/2026
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	26/Apr/2025	25/Apr/2026
SENSE-EMI	Sporton	V5.11.9	N/A	N/A	N/A	N/A

**Instrument for Radiated Test**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
N.S.A. Measurement	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3M	14/Jul/2024	13/Jul/2025
Site V.S.W.R	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3M	14/Jul/2024	13/Jul/2025
EMI Test Receiver	R&S	ESR	102318	9kHz~3.6GHz	06/Dec/2024	05/Dec/2025
Signal Analyzer	R&S	FSP 40	100593	9kHz~40GHz	26/Mar/2025	25/Mar/2026
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	20/Mar/2025	19/Mar/2026
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723/2	30MHz~1GHz	26/Aug/2024	25/Aug/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2024	22/Sep/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	9kHz~30MHz	26/Nov/2024	25/Nov/2025
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	30MHz~1GHz	26/Nov/2024	25/Nov/2025
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	13/Feb/2025	12/Feb/2026
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	29/Jun/2024	28/Jun/2025
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	26/Apr/2025	25/Apr/2026
SENSE-15247-DTS	Sporton	V5.11.23	N/A	N/A	N/A	N/A



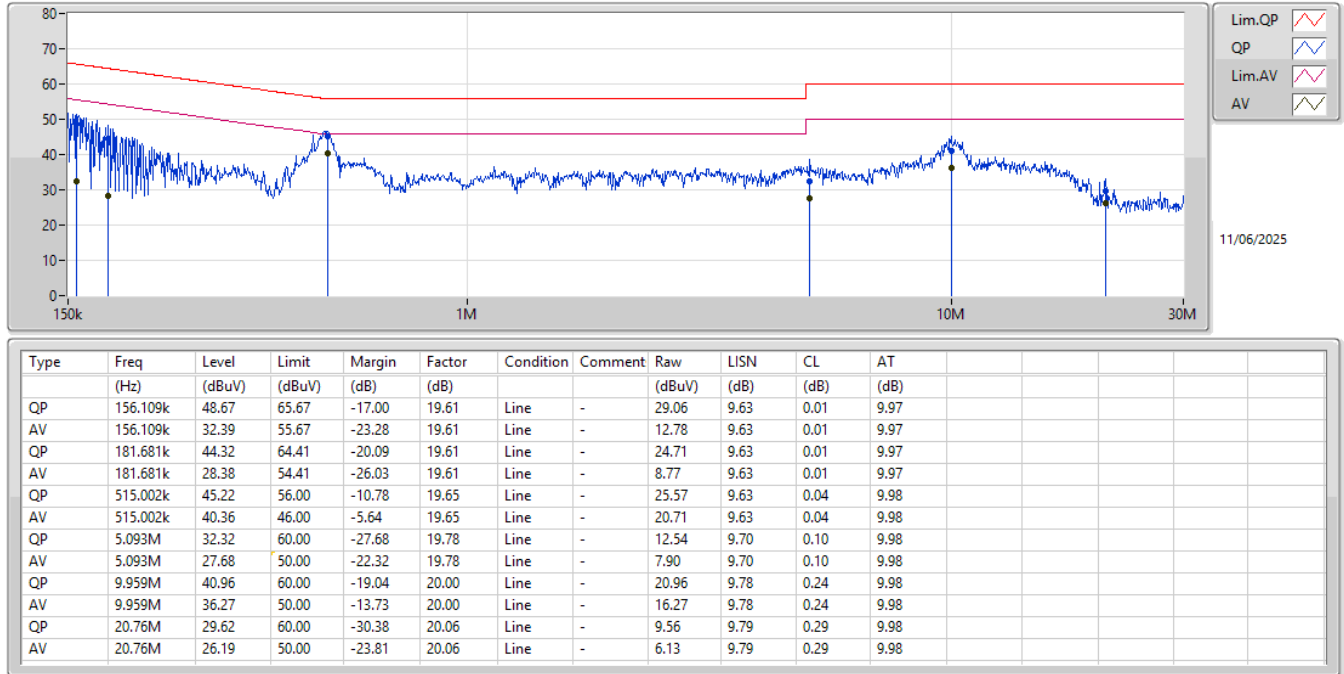
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	512.95k	41.33	46.00	-4.67	Neutral

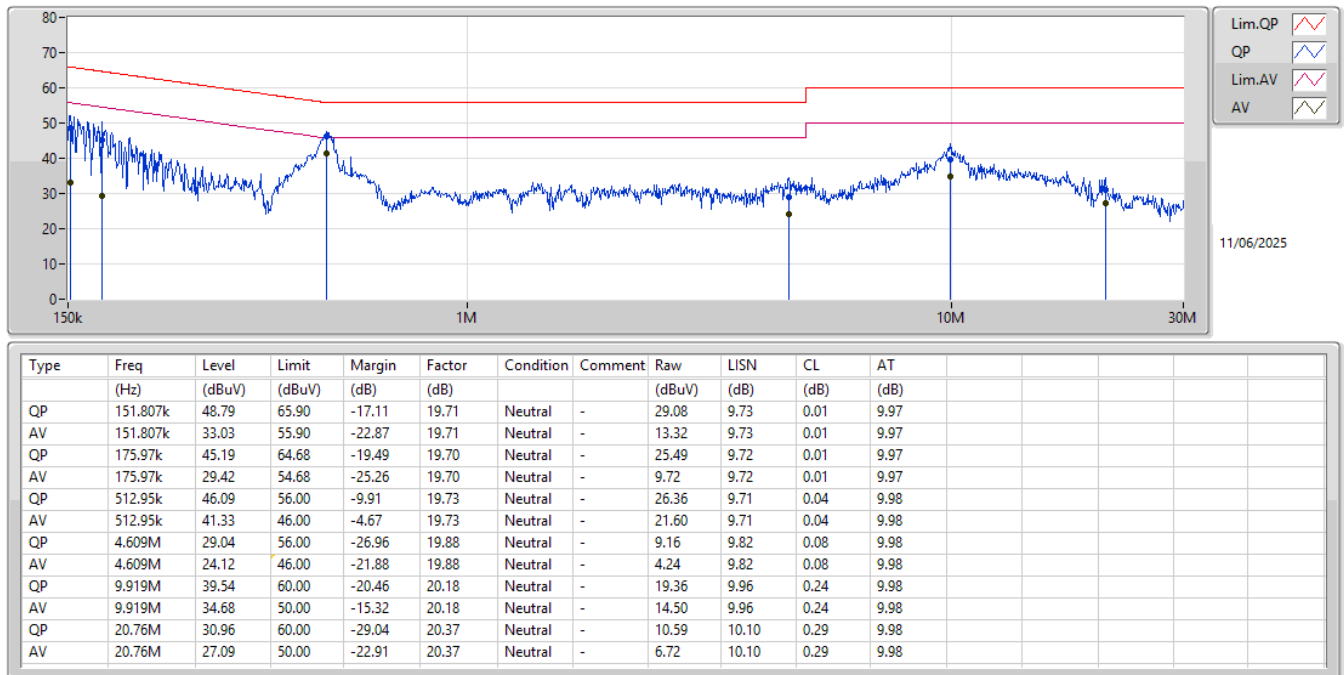
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	156.109k	48.67	65.67	-17.00	Line
Mode 1	Pass	AV	156.109k	32.39	55.67	-23.28	Line
Mode 1	Pass	QP	181.681k	44.32	64.41	-20.09	Line
Mode 1	Pass	AV	181.681k	28.38	54.41	-26.03	Line
Mode 1	Pass	QP	515.002k	45.22	56.00	-10.78	Line
Mode 1	Pass	AV	515.002k	40.36	46.00	-5.64	Line
Mode 1	Pass	QP	5.093M	32.32	60.00	-27.68	Line
Mode 1	Pass	AV	5.093M	27.68	50.00	-22.32	Line
Mode 1	Pass	QP	9.959M	40.96	60.00	-19.04	Line
Mode 1	Pass	AV	9.959M	36.27	50.00	-13.73	Line
Mode 1	Pass	QP	20.76M	29.62	60.00	-30.38	Line
Mode 1	Pass	AV	20.76M	26.19	50.00	-23.81	Line
Mode 1	Pass	QP	151.807k	48.79	65.90	-17.11	Neutral
Mode 1	Pass	AV	151.807k	33.03	55.90	-22.87	Neutral
Mode 1	Pass	QP	175.97k	45.19	64.68	-19.49	Neutral
Mode 1	Pass	AV	175.97k	29.42	54.68	-25.26	Neutral
Mode 1	Pass	QP	512.95k	46.09	56.00	-9.91	Neutral
Mode 1	Pass	AV	512.95k	41.33	46.00	-4.67	Neutral
Mode 1	Pass	QP	4.609M	29.04	56.00	-26.96	Neutral
Mode 1	Pass	AV	4.609M	24.12	46.00	-21.88	Neutral
Mode 1	Pass	QP	9.919M	39.54	60.00	-20.46	Neutral
Mode 1	Pass	AV	9.919M	34.68	50.00	-15.32	Neutral
Mode 1	Pass	QP	20.76M	30.96	60.00	-29.04	Neutral
Mode 1	Pass	AV	20.76M	27.09	50.00	-22.91	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	8.075M	13.166M	13M2G1D	7.125M	13.04M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.641M	16M6D1D	10.375M	16.489M
802.11be EHT20_Nss1,(MCS0)_2TX	18.95M	19.01M	19M0D1D	18.8M	18.865M
802.11be EHT40_Nss1,(MCS0)_2TX	37.75M	37.88M	37M9D1D	31.75M	37.635M

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	7.125M	13.066M	8.075M	13.07M
2437MHz	Pass	500k	7.725M	13.068M	8M	13.04M
2462MHz	Pass	500k	7.15M	13.057M	7.525M	13.166M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	10.375M	16.64M	16.3M	16.586M
2437MHz	Pass	500k	16.3M	16.504M	16.3M	16.489M
2462MHz	Pass	500k	16.325M	16.641M	16.35M	16.635M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.8M	18.913M	18.825M	18.916M
2437MHz	Pass	500k	18.95M	19.005M	18.9M	18.865M
2462MHz	Pass	500k	18.875M	18.996M	18.825M	19.01M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.75M	37.715M	36.75M	37.758M
2437MHz	Pass	500k	37.6M	37.857M	36.65M	37.88M
2452MHz	Pass	500k	31.75M	37.766M	37.05M	37.635M

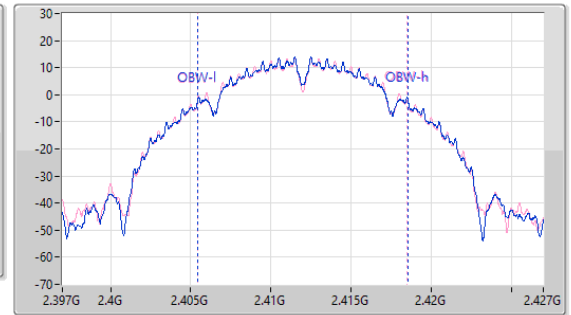
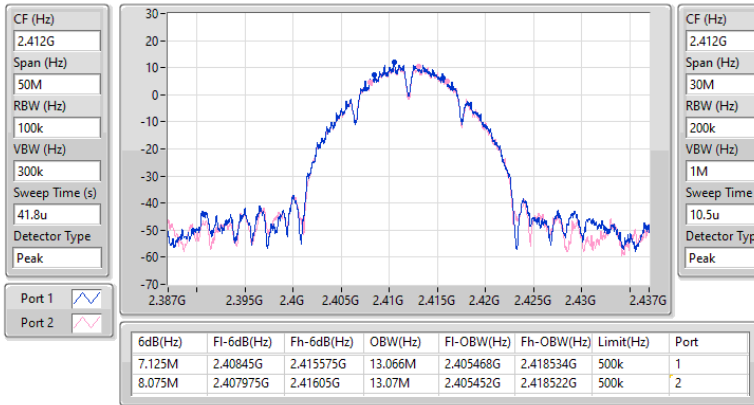
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2412MHz

19/05/2025

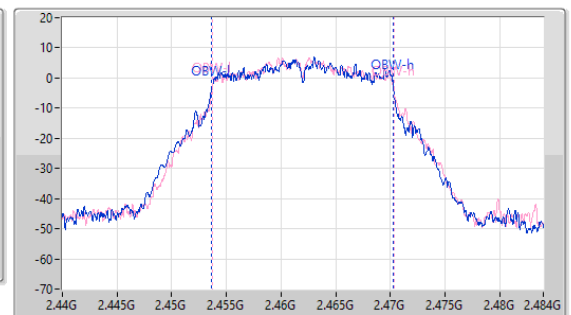
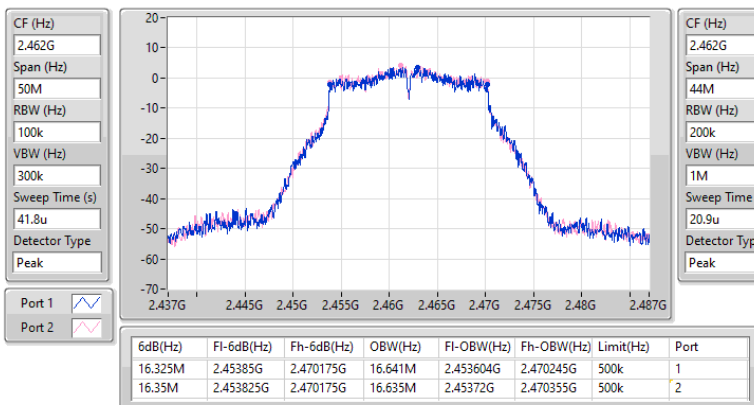


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

19/05/2025

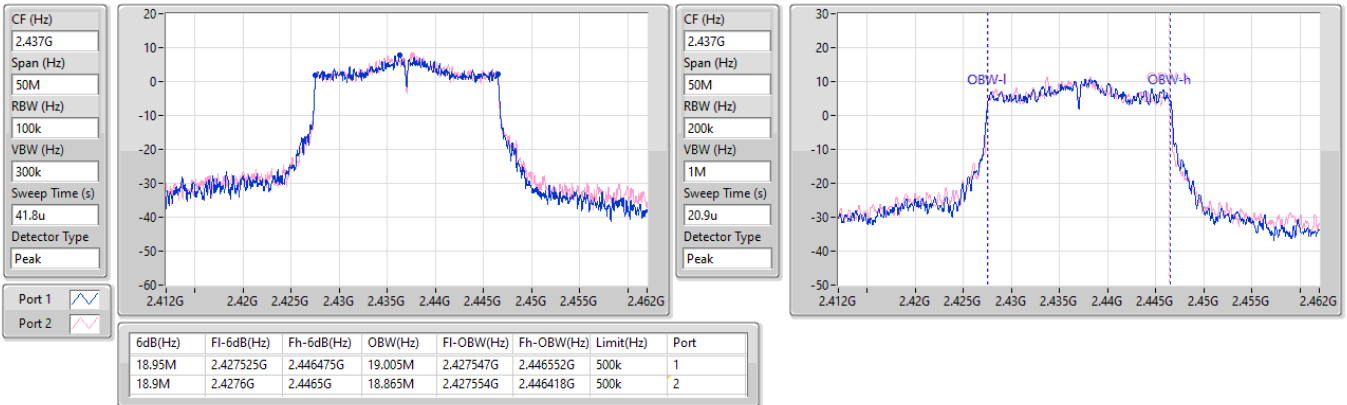


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

2437MHz

19/05/2025

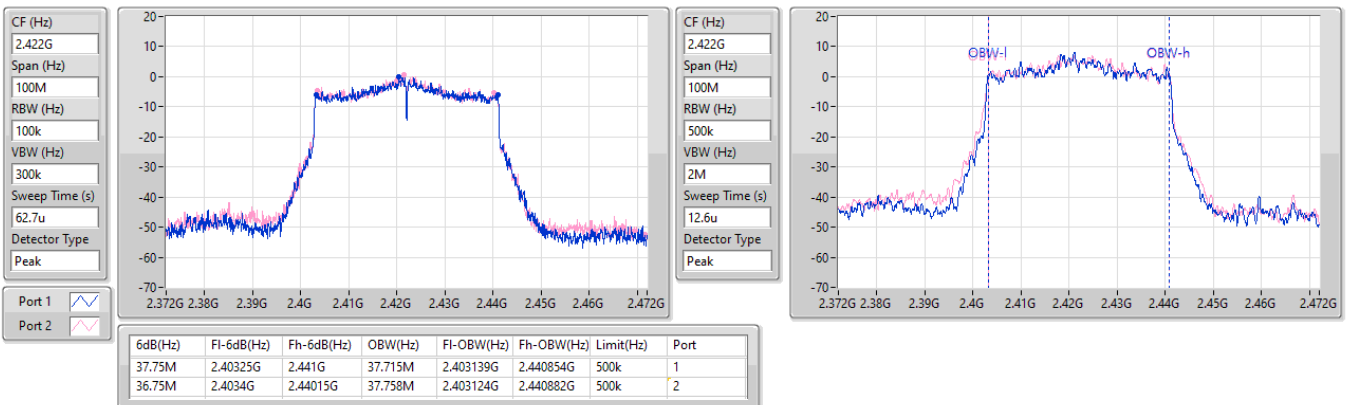


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

2422MHz

19/05/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.99	0.39719
802.11g_Nss1,(6Mbps)_2TX	24.12	0.25823
802.11be EHT20_Nss1,(MCS0)_2TX	24.16	0.26062
802.11be EHT40_Nss1,(MCS0)_2TX	19.31	0.08531



Average Power_Non-Beamforming

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.30	21.73	21.45	24.60	30.00
2417MHz	Pass	4.30	21.80	21.41	24.62	30.00
2437MHz	Pass	4.30	22.92	23.04	25.99	30.00
2457MHz	Pass	4.30	21.60	21.90	24.76	30.00
2462MHz	Pass	4.30	19.50	19.90	22.71	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.30	17.63	17.87	20.76	30.00
2417MHz	Pass	4.30	19.26	19.26	22.27	30.00
2437MHz	Pass	4.30	21.02	21.20	24.12	30.00
2457MHz	Pass	4.30	18.60	18.81	21.72	30.00
2462MHz	Pass	4.30	16.70	17.19	19.96	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.30	17.68	17.90	20.80	30.00
2417MHz	Pass	4.30	19.66	19.78	22.73	30.00
2437MHz	Pass	4.30	21.07	21.22	24.16	30.00
2457MHz	Pass	4.30	17.58	17.93	20.77	30.00
2462MHz	Pass	4.30	15.81	16.14	18.99	30.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.30	15.56	15.77	18.68	30.00
2437MHz	Pass	4.30	16.17	16.43	19.31	30.00
2447MHz	Pass	4.30	15.10	15.83	18.49	30.00
2452MHz	Pass	4.30	15.57	15.69	18.64	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	24.16	0.26062
802.11be EHT40-BF_Nss1,(MCS0)_2TX	19.31	0.08531



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	7.02	17.68	17.9	20.80	28.98
2417MHz	Pass	7.02	19.66	19.78	22.73	28.98
2437MHz	Pass	7.02	21.07	21.22	24.16	28.98
2457MHz	Pass	7.02	17.58	17.93	20.77	28.98
2462MHz	Pass	7.02	15.81	16.14	18.99	28.98
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.02	15.56	15.77	18.68	28.98
2437MHz	Pass	7.02	16.17	16.43	19.31	28.98
2447MHz	Pass	7.02	15.1	15.83	18.49	28.98
2452MHz	Pass	7.02	15.57	15.69	18.64	28.98

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	-0.77
802.11g_Nss1,(6Mbps)_2TX	-2.19
802.11be EHT20_Nss1,(MCS0)_2TX	-3.70
802.11be EHT40_Nss1,(MCS0)_2TX	-10.40

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	7.02	-2.42	-2.51	-0.77	6.98
2437MHz	Pass	7.02	-4.92	-4.68	-1.79	6.98
2462MHz	Pass	7.02	-8.27	-7.93	-5.09	6.98
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.02	-9.18	-9.25	-6.65	6.98
2437MHz	Pass	7.02	-4.15	-3.72	-2.19	6.98
2462MHz	Pass	7.02	-9.81	-9.56	-7.23	6.98
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.02	-7.88	-8.06	-5.65	6.98
2437MHz	Pass	7.02	-4.95	-4.86	-3.70	6.98
2462MHz	Pass	7.02	-9.89	-9.78	-7.43	6.98
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.02	-12.89	-12.50	-11.05	6.98
2437MHz	Pass	7.02	-12.13	-12.39	-10.40	6.98
2452MHz	Pass	7.02	-12.93	-12.88	-11.10	6.98

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

2412MHz

19/05/2025

CF (Hz)
2.412G

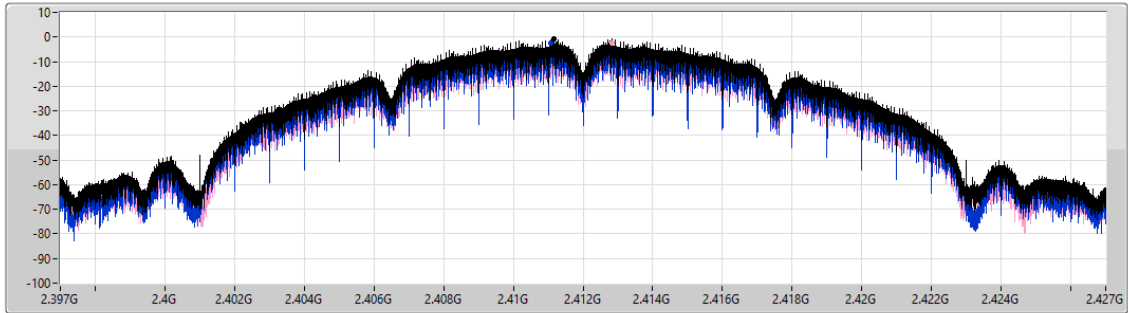
Span (Hz)
30M

RBW (Hz)
3k

VBW (Hz)
10k

Sweep Time (s)
1.4m

Detector Type
Peak



Sum ☐

Port 1 ☐

Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.77	-0.77	-2.42	-2.51

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

PSD

2437MHz

19/05/2025

CF (Hz)
2.437G

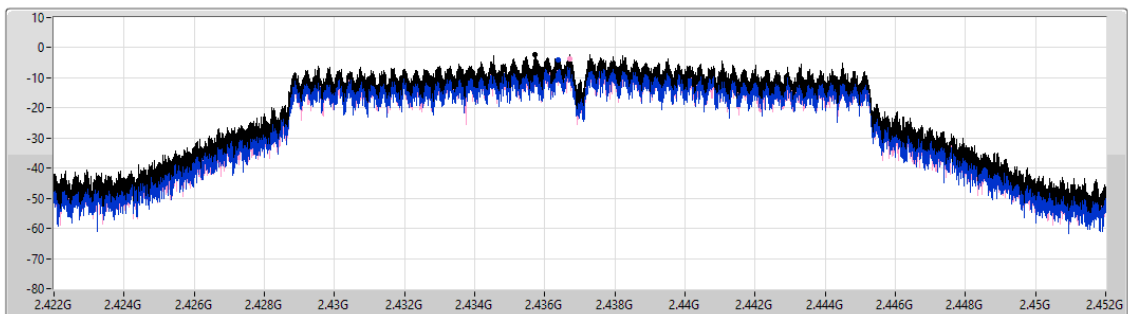
Span (Hz)
30M

RBW (Hz)
3k

VBW (Hz)
10k

Sweep Time (s)
1.4m

Detector Type
Peak



Sum ☐

Port 1 ☐

Port 2 ☐

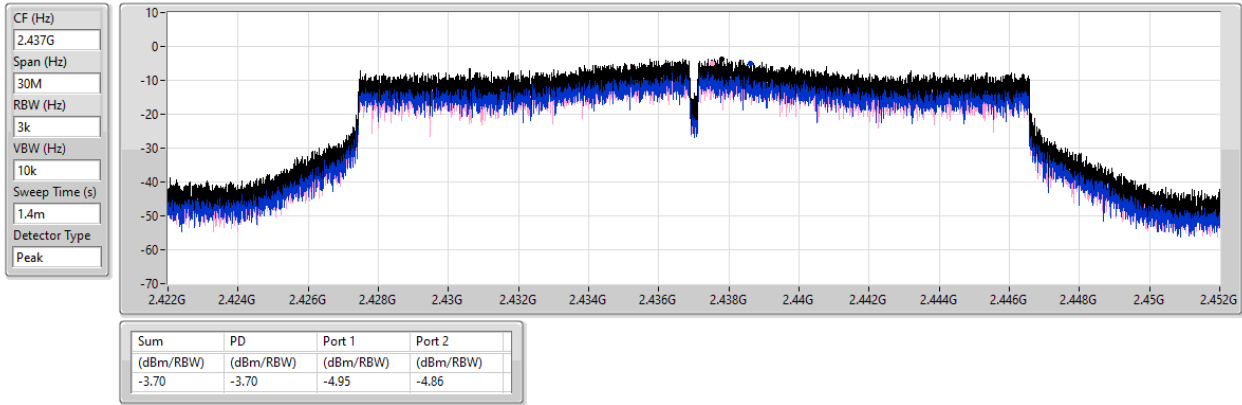
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.19	-2.19	-4.15	-3.72

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

PSD

2437MHz

19/05/2025

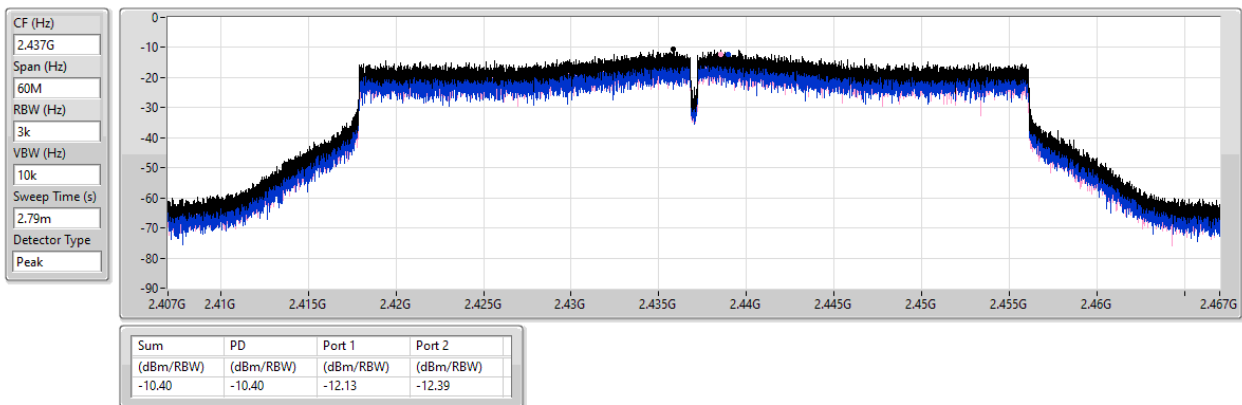


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

2437MHz

19/05/2025





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	2.4354G	14.61	-15.39	2.30175G	-54.73	2.4G	-36.06	2.4G	-35.85	2.50638G	-52.26	7.23233G	-44.68	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	11.50	-18.50	2.19923G	-55.09	2.4G	-26.68	2.4G	-25.09	2.50926G	-54.33	21.83924G	-44.78	2
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	2.43824G	11.25	-18.75	2.1771G	-55.21	2.4G	-24.62	2.4G	-26.35	2.50078G	-55.00	21.84486G	-44.79	1
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	2.44075G	2.74	-27.26	1.9204G	-52.63	2.39984G	-27.55	2.4G	-28.32	2.50046G	-53.17	21.99351G	-45.04	1

Result

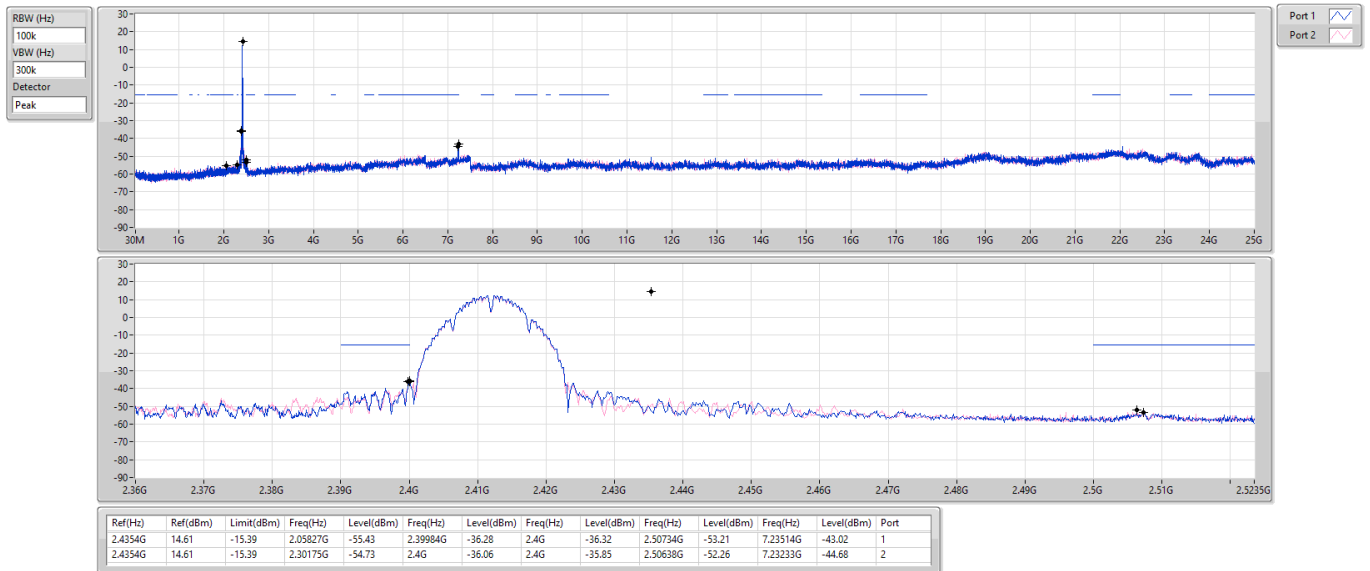
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4354G	14.61	-15.39	2.05827G	-55.43	2.39984G	-36.28	2.4G	-36.32	2.50734G	-53.21	7.23514G	-43.02	1
2412MHz	Pass	2.4354G	14.61	-15.39	2.30175G	-54.73	2.4G	-36.06	2.4G	-35.85	2.50638G	-52.26	7.23233G	-44.68	2
2437MHz	Pass	2.4354G	14.61	-15.39	2.13516G	-56.25	2.4G	-45.56	2.4G	-46.38	2.50758G	-53.31	23.16536G	-45.58	1
2437MHz	Pass	2.4354G	14.61	-15.39	2.18525G	-55.20	2.39856G	-48.54	2.4G	-49.96	2.50494G	-53.56	21.80834G	-45.63	2
2462MHz	Pass	2.4354G	14.61	-15.39	2.0373G	-55.00	2.3976G	-54.32	2.4G	-54.85	2.5015G	-49.02	21.9432G	-45.21	1
2462MHz	Pass	2.4354G	14.61	-15.39	2.30292G	-55.66	2.398G	-53.76	2.4G	-55.65	2.5019G	-49.99	21.828G	-45.26	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	11.50	-18.50	2.16778G	-55.37	2.4G	-26.78	2.4G	-25.19	2.50278G	-54.91	21.78586G	-46.23	1
2412MHz	Pass	2.43574G	11.50	-18.50	2.19923G	-55.09	2.4G	-26.68	2.4G	-25.09	2.50926G	-54.33	21.83924G	-44.78	2
2437MHz	Pass	2.43574G	11.50	-18.50	2.09671G	-55.13	2.39824G	-44.05	2.4G	-44.09	2.50022G	-52.23	21.84767G	-46.09	1
2437MHz	Pass	2.43574G	11.50	-18.50	2.30525G	-54.95	2.39984G	-43.06	2.4G	-42.62	2.50222G	-51.06	21.84767G	-45.44	2
2462MHz	Pass	2.43574G	11.50	-18.50	2.1969G	-55.30	2.39728G	-53.63	2.4G	-53.85	2.5095G	-49.59	21.96567G	-45.55	1
2462MHz	Pass	2.43574G	11.50	-18.50	2.04662G	-55.33	2.39936G	-53.18	2.4G	-54.25	2.5083G	-50.85	21.88981G	-46.01	2
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	11.25	-18.75	2.1771G	-55.21	2.4G	-24.62	2.4G	-26.35	2.50078G	-55.00	21.84486G	-44.79	1
2412MHz	Pass	2.43824G	11.25	-18.75	2.11186G	-55.14	2.39984G	-26.41	2.4G	-26.55	2.50766G	-55.02	21.97972G	-46.01	2
2437MHz	Pass	2.43824G	11.25	-18.75	2.30175G	-54.58	2.39992G	-38.52	2.4G	-38.21	2.50214G	-51.80	21.91229G	-45.38	1
2437MHz	Pass	2.43824G	11.25	-18.75	2.1736G	-53.61	2.39976G	-36.92	2.4G	-36.95	2.50318G	-51.99	21.49367G	-45.57	2
2462MHz	Pass	2.43824G	11.25	-18.75	2.16195G	-53.25	2.398G	-52.52	2.4G	-53.45	2.50182G	-50.15	21.85329G	-45.38	1
2462MHz	Pass	2.43824G	11.25	-18.75	2.18875G	-54.52	2.39912G	-53.31	2.4G	-55.92	2.50198G	-51.09	21.92915G	-44.99	2
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	2.74	-27.26	1.9204G	-52.63	2.39984G	-27.55	2.4G	-28.32	2.50046G	-53.17	21.99351G	-45.04	1
2422MHz	Pass	2.44075G	2.74	-27.26	2.30626G	-54.45	2.39968G	-29.74	2.4G	-28.11	2.50126G	-54.14	22.00753G	-46.09	2
2437MHz	Pass	2.44075G	2.74	-27.26	1.9204G	-53.22	2.39968G	-40.63	2.4G	-43.84	2.50222G	-52.76	21.84767G	-45.42	1
2437MHz	Pass	2.44075G	2.74	-27.26	2.30054G	-55.31	2.39968G	-36.82	2.4G	-41.84	2.51534G	-53.09	21.81402G	-44.95	2
2452MHz	Pass	2.44075G	2.74	-27.26	1.9204G	-52.76	2.39904G	-49.68	2.4G	-50.29	2.50094G	-48.81	21.79439G	-45.65	1
2452MHz	Pass	2.44075G	2.74	-27.26	2.30283G	-55.29	2.3992G	-48.67	2.4G	-49.14	2.50094G	-47.14	21.74671G	-45.68	2

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

CSEndB

2412MHz

19/05/2025

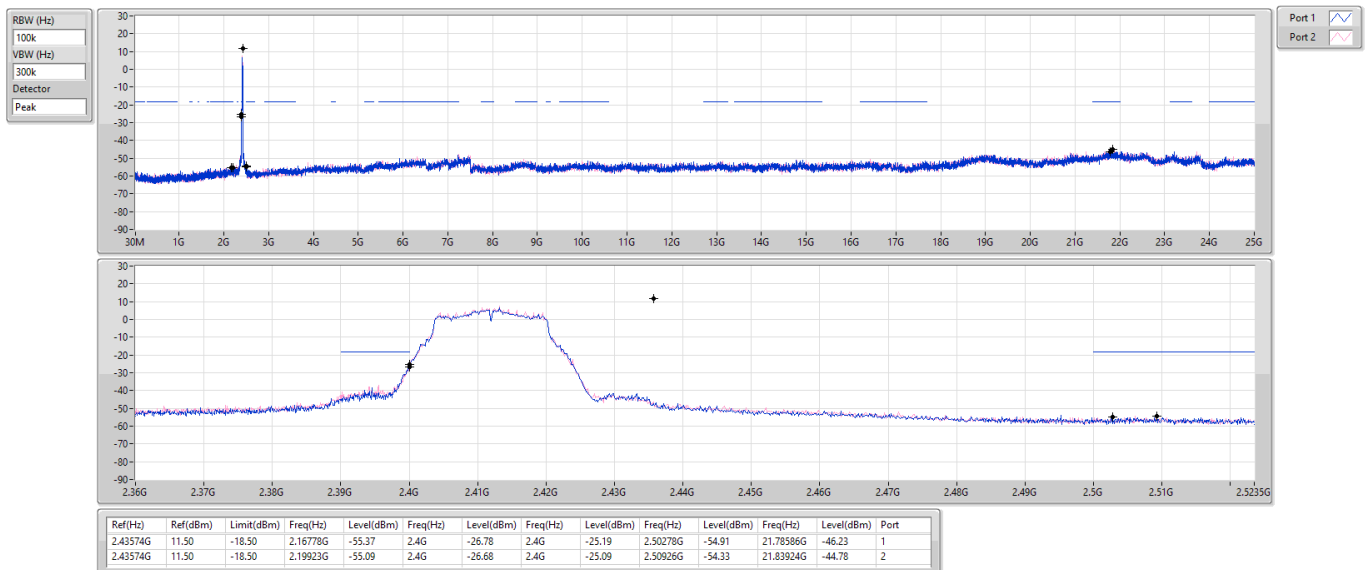


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSEndB

2412MHz

19/05/2025

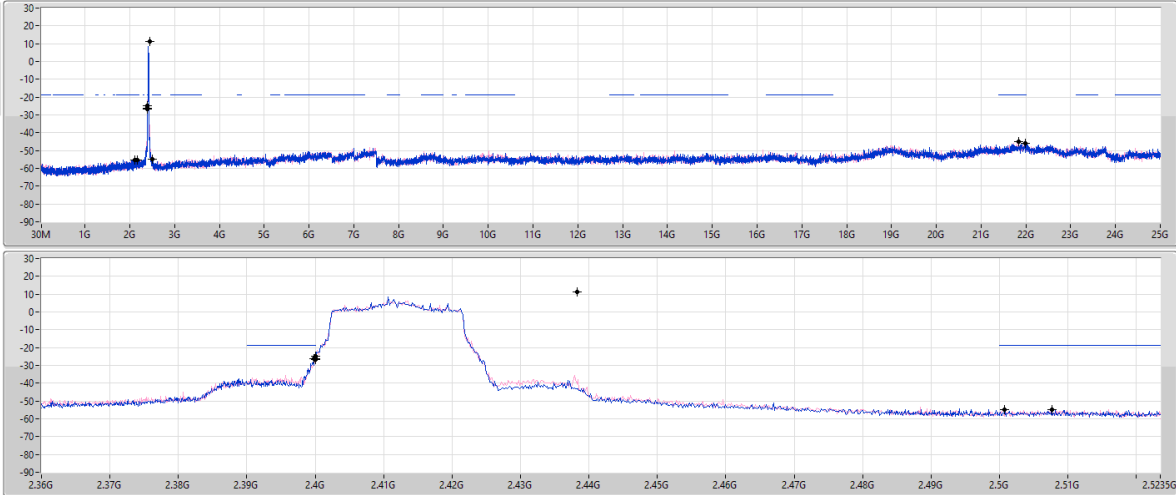


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

CSEndB

2412MHz

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



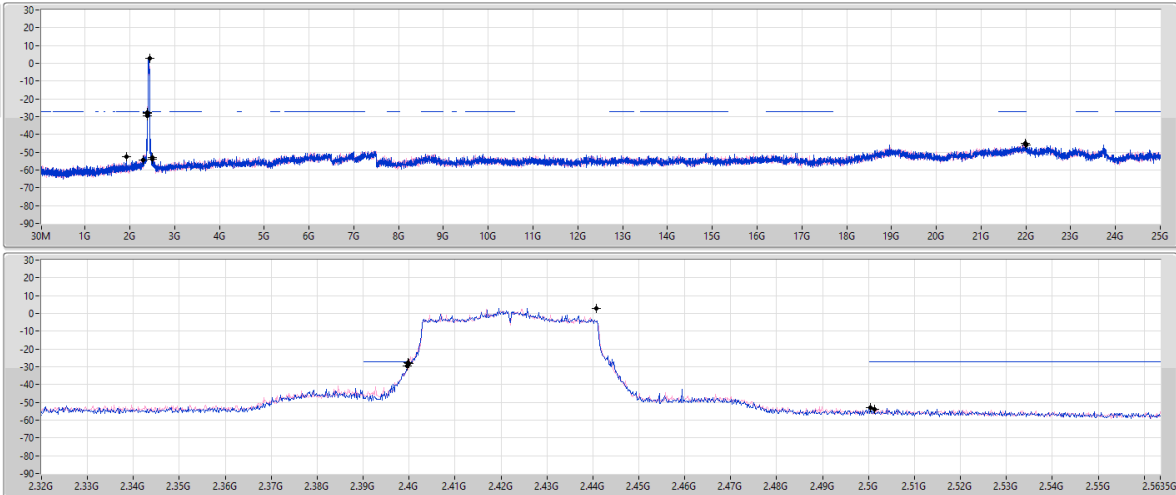
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	11.25	-18.75	2.1771G	-55.21	2.4G	-24.62	2.4G	-26.35	2.50078G	-55.00	2.1.84486G	-44.79	1
2.43824G	11.25	-18.75	2.11186G	-55.14	2.39984G	-26.41	2.4G	-26.55	2.50766G	-55.02	2.1.97972G	-46.01	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
2.44075G	2.74	-27.26	1.9204G	-52.63	2.39984G	-27.55	2.4G	-28.32	2.50046G	-53.17	2.1.99351G	-45.04	1
2.44075G	2.74	-27.26	2.30626G	-54.45	2.39986G	-29.74	2.4G	-28.11	2.50126G	-54.14	2.2.00753G	-46.09	2



Summary

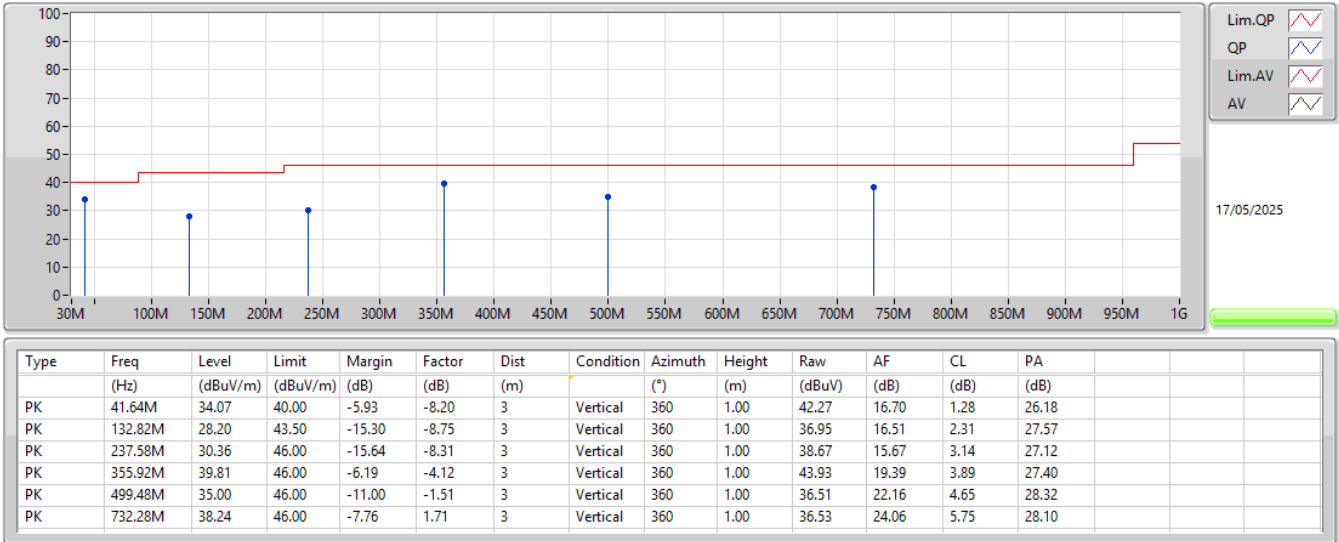
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	PK	363.68M	40.43	46.00	-5.57	3	Horizontal	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz_PoE	Pass	PK	41.64M	34.07	40.00	-5.93	3	Vertical	360	1.00	-
2437MHz_PoE	Pass	PK	132.82M	28.20	43.50	-15.30	3	Vertical	360	1.00	-
2437MHz_PoE	Pass	PK	237.58M	30.36	46.00	-15.64	3	Vertical	360	1.00	-
2437MHz_PoE	Pass	PK	355.92M	39.81	46.00	-6.19	3	Vertical	360	1.00	-
2437MHz_PoE	Pass	PK	499.48M	35.00	46.00	-11.00	3	Vertical	360	1.00	-
2437MHz_PoE	Pass	PK	732.28M	38.24	46.00	-7.76	3	Vertical	360	1.00	-
2437MHz_PoE	Pass	PK	198.78M	28.90	43.50	-14.60	3	Horizontal	0	1.00	-
2437MHz_PoE	Pass	PK	237.58M	34.43	46.00	-11.57	3	Horizontal	0	1.00	-
2437MHz_PoE	Pass	PK	363.68M	40.43	46.00	-5.57	3	Horizontal	0	1.00	-
2437MHz_PoE	Pass	PK	485.9M	35.09	46.00	-10.91	3	Horizontal	0	1.00	-
2437MHz_PoE	Pass	PK	734.22M	37.74	46.00	-8.26	3	Horizontal	0	1.00	-
2437MHz_PoE	Pass	QP	30M	33.46	40.00	-6.54	3	Horizontal	62	1.17	-

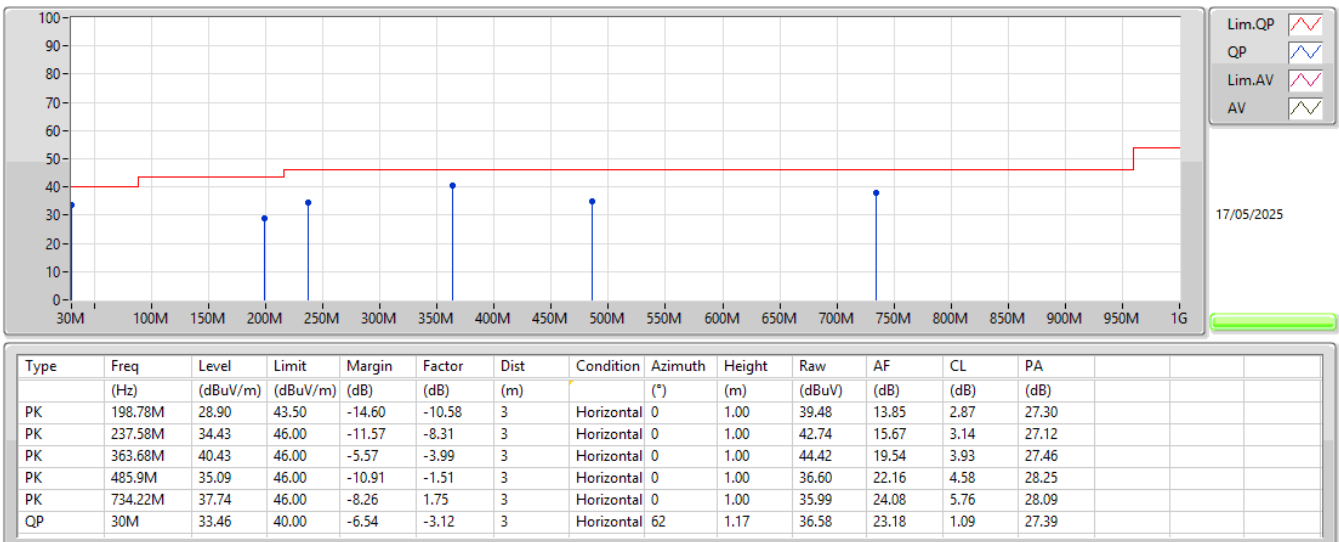
2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2437MHz_PoE



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

2437MHz_PoE



**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	2.3896G	52.78	54.00	-1.22	3	Horizontal	57	2.06
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4835G	53.45	54.00	-0.55	3	Horizontal	56	1.55
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	AV	2.39G	52.94	54.00	-1.06	3	Horizontal	51	1.64
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	AV	2.4896G	53.27	54.00	-0.73	3	Horizontal	53	1.20

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	2.385G	48.73	54.00	-5.27	3	Vertical	301	1.46
2412MHz	Pass	AV	2.4128G	112.32	Inf	-Inf	3	Vertical	301	1.46
2412MHz	Pass	PK	2.3876G	60.40	74.00	-13.60	3	Vertical	301	1.46
2412MHz	Pass	PK	2.4128G	114.67	Inf	-Inf	3	Vertical	301	1.46
2412MHz	Pass	AV	2.3896G	52.78	54.00	-1.22	3	Horizontal	57	2.06
2412MHz	Pass	AV	2.4102G	115.14	Inf	-Inf	3	Horizontal	57	2.06
2412MHz	Pass	PK	2.3896G	61.69	74.00	-12.31	3	Horizontal	57	2.06
2412MHz	Pass	PK	2.4104G	117.53	Inf	-Inf	3	Horizontal	57	2.06
2412MHz	Pass	AV	4.824G	39.51	54.00	-14.49	3	Vertical	344	1.70
2412MHz	Pass	PK	4.82412G	44.85	74.00	-29.15	3	Vertical	344	1.70
2412MHz	Pass	AV	4.824G	40.79	54.00	-13.21	3	Horizontal	345	1.16
2412MHz	Pass	PK	4.82394G	45.91	74.00	-28.09	3	Horizontal	345	1.16
2417MHz	Pass	AV	2.387G	50.23	54.00	-3.77	3	Vertical	303	1.47
2417MHz	Pass	AV	2.4152G	111.53	Inf	-Inf	3	Vertical	303	1.47
2417MHz	Pass	PK	2.3874G	60.51	74.00	-13.49	3	Vertical	303	1.47
2417MHz	Pass	PK	2.415G	113.78	Inf	-Inf	3	Vertical	303	1.47
2417MHz	Pass	AV	2.3776G	51.75	54.00	-2.25	3	Horizontal	48	1.44
2417MHz	Pass	AV	2.4178G	116.26	Inf	-Inf	3	Horizontal	48	1.44
2417MHz	Pass	PK	2.3792G	61.33	74.00	-12.67	3	Horizontal	48	1.44
2417MHz	Pass	PK	2.4178G	118.62	Inf	-Inf	3	Horizontal	48	1.44
2437MHz	Pass	AV	2.3898G	47.60	54.00	-6.40	3	Vertical	325	1.05
2437MHz	Pass	AV	2.4362G	115.03	Inf	-Inf	3	Vertical	325	1.05
2437MHz	Pass	AV	2.4846G	49.04	54.00	-4.96	3	Vertical	325	1.05
2437MHz	Pass	PK	2.3422G	59.09	74.00	-14.91	3	Vertical	325	1.05
2437MHz	Pass	PK	2.4366G	117.34	Inf	-Inf	3	Vertical	325	1.05
2437MHz	Pass	PK	2.4934G	59.62	74.00	-14.38	3	Vertical	325	1.05
2437MHz	Pass	AV	2.3894G	50.80	54.00	-3.20	3	Horizontal	52	1.62
2437MHz	Pass	AV	2.4354G	117.31	Inf	-Inf	3	Horizontal	52	1.62
2437MHz	Pass	AV	2.495G	49.80	54.00	-4.20	3	Horizontal	52	1.62
2437MHz	Pass	PK	2.3798G	60.26	74.00	-13.74	3	Horizontal	52	1.62
2437MHz	Pass	PK	2.435G	119.51	Inf	-Inf	3	Horizontal	52	1.62
2437MHz	Pass	PK	2.4942G	59.58	74.00	-14.42	3	Horizontal	52	1.62
2437MHz	Pass	AV	4.874G	40.99	54.00	-13.01	3	Vertical	344	1.81
2437MHz	Pass	AV	7.31176G	44.03	54.00	-9.97	3	Vertical	309	2.34
2437MHz	Pass	PK	4.87384G	45.92	74.00	-28.08	3	Vertical	344	1.81
2437MHz	Pass	PK	7.31172G	51.31	74.00	-22.69	3	Vertical	309	2.34
2437MHz	Pass	AV	4.87396G	42.90	54.00	-11.10	3	Horizontal	352	1.18
2437MHz	Pass	AV	7.31176G	47.45	54.00	-6.55	3	Horizontal	303	1.00
2437MHz	Pass	PK	4.874G	47.69	74.00	-26.31	3	Horizontal	352	1.18
2437MHz	Pass	PK	7.31124G	53.81	74.00	-20.19	3	Horizontal	303	1.00
2457MHz	Pass	AV	2.4552G	112.14	Inf	-Inf	3	Vertical	336	1.58
2457MHz	Pass	AV	2.4944G	49.13	54.00	-4.87	3	Vertical	336	1.58
2457MHz	Pass	PK	2.4554G	114.33	Inf	-Inf	3	Vertical	336	1.58
2457MHz	Pass	PK	2.4914G	60.22	74.00	-13.78	3	Vertical	336	1.58
2457MHz	Pass	AV	2.4578G	117.01	Inf	-Inf	3	Horizontal	53	1.59
2457MHz	Pass	AV	2.497G	52.08	54.00	-1.92	3	Horizontal	53	1.59
2457MHz	Pass	PK	2.4578G	119.35	Inf	-Inf	3	Horizontal	53	1.59
2457MHz	Pass	PK	2.497G	60.92	74.00	-13.08	3	Horizontal	53	1.59
2462MHz	Pass	AV	2.4602G	109.33	Inf	-Inf	3	Vertical	0	1.85
2462MHz	Pass	AV	2.4848G	48.74	54.00	-5.26	3	Vertical	0	1.85
2462MHz	Pass	PK	2.4604G	111.53	Inf	-Inf	3	Vertical	0	1.85
2462MHz	Pass	PK	2.4902G	59.15	74.00	-14.85	3	Vertical	0	1.85
2462MHz	Pass	AV	2.4628G	114.62	Inf	-Inf	3	Horizontal	55	1.57
2462MHz	Pass	AV	2.4852G	51.07	54.00	-2.93	3	Horizontal	55	1.57
2462MHz	Pass	PK	2.4628G	117.06	Inf	-Inf	3	Horizontal	55	1.57
2462MHz	Pass	PK	2.4848G	60.88	74.00	-13.12	3	Horizontal	55	1.57
2462MHz	Pass	AV	4.924G	38.51	54.00	-15.49	3	Vertical	344	3.00
2462MHz	Pass	AV	7.38776G	41.54	54.00	-12.46	3	Vertical	314	1.36
2462MHz	Pass	PK	4.92416G	45.04	74.00	-28.96	3	Vertical	344	3.00
2462MHz	Pass	PK	7.38748G	50.76	74.00	-23.24	3	Vertical	314	1.36

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	4.924G	42.97	54.00	-11.03	3	Horizontal	352	1.20
2462MHz	Pass	AV	7.38416G	39.99	54.00	-14.01	3	Horizontal	308	2.91
2462MHz	Pass	PK	4.92408G	47.65	74.00	-26.35	3	Horizontal	352	1.20
2462MHz	Pass	PK	7.3836G	49.41	74.00	-24.59	3	Horizontal	308	2.91
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3894G	52.29	54.00	-1.71	3	Vertical	305	1.47
2412MHz	Pass	AV	2.4142G	104.16	Inf	-Inf	3	Vertical	305	1.47
2412MHz	Pass	PK	2.3896G	69.73	74.00	-4.27	3	Vertical	305	1.47
2412MHz	Pass	PK	2.4142G	114.32	Inf	-Inf	3	Vertical	305	1.47
2412MHz	Pass	AV	2.39G	52.94	54.00	-1.06	3	Horizontal	51	1.64
2412MHz	Pass	AV	2.4114G	108.64	Inf	-Inf	3	Horizontal	51	1.64
2412MHz	Pass	PK	2.3876G	67.96	74.00	-6.04	3	Horizontal	51	1.64
2412MHz	Pass	PK	2.4112G	118.37	Inf	-Inf	3	Horizontal	51	1.64
2412MHz	Pass	AV	4.82982G	29.03	54.00	-24.97	3	Vertical	336	1.87
2412MHz	Pass	PK	4.81536G	41.21	74.00	-32.79	3	Vertical	336	1.87
2412MHz	Pass	AV	4.83138G	28.56	54.00	-25.44	3	Horizontal	360	1.50
2412MHz	Pass	PK	4.82598G	40.55	74.00	-33.45	3	Horizontal	360	1.50
2417MHz	Pass	AV	2.3896G	50.64	54.00	-3.36	3	Vertical	302	1.46
2417MHz	Pass	AV	2.4188G	105.39	Inf	-Inf	3	Vertical	302	1.46
2417MHz	Pass	PK	2.3896G	63.96	74.00	-10.04	3	Vertical	302	1.46
2417MHz	Pass	PK	2.4192G	115.48	Inf	-Inf	3	Vertical	302	1.46
2417MHz	Pass	AV	2.3864G	53.07	54.00	-0.93	3	Horizontal	46	1.44
2417MHz	Pass	AV	2.4164G	109.53	Inf	-Inf	3	Horizontal	46	1.44
2417MHz	Pass	PK	2.3876G	68.41	74.00	-5.59	3	Horizontal	46	1.44
2417MHz	Pass	PK	2.4162G	119.15	Inf	-Inf	3	Horizontal	46	1.44
2437MHz	Pass	AV	2.3894G	49.59	54.00	-4.41	3	Vertical	326	1.41
2437MHz	Pass	AV	2.439G	107.36	Inf	-Inf	3	Vertical	326	1.41
2437MHz	Pass	AV	2.4838G	49.45	54.00	-4.55	3	Vertical	326	1.41
2437MHz	Pass	PK	2.3882G	63.37	74.00	-10.63	3	Vertical	326	1.41
2437MHz	Pass	PK	2.4394G	117.44	Inf	-Inf	3	Vertical	326	1.41
2437MHz	Pass	PK	2.4842G	62.71	74.00	-11.29	3	Vertical	326	1.41
2437MHz	Pass	AV	2.387G	50.91	54.00	-3.09	3	Horizontal	56	1.61
2437MHz	Pass	AV	2.4362G	112.21	Inf	-Inf	3	Horizontal	56	1.61
2437MHz	Pass	AV	2.4862G	50.77	54.00	-3.23	3	Horizontal	56	1.61
2437MHz	Pass	PK	2.3874G	64.27	74.00	-9.73	3	Horizontal	56	1.61
2437MHz	Pass	PK	2.4362G	121.98	Inf	-Inf	3	Horizontal	56	1.61
2437MHz	Pass	PK	2.4858G	64.47	74.00	-9.53	3	Horizontal	56	1.61
2437MHz	Pass	AV	4.8746G	31.40	54.00	-22.60	3	Vertical	340	1.65
2437MHz	Pass	AV	7.31334G	37.17	54.00	-16.83	3	Vertical	310	2.27
2437MHz	Pass	PK	4.87442G	43.46	74.00	-30.54	3	Vertical	340	1.65
2437MHz	Pass	PK	7.31304G	49.04	74.00	-24.96	3	Vertical	310	2.27
2437MHz	Pass	AV	4.8743G	31.41	54.00	-22.59	3	Horizontal	346	1.15
2437MHz	Pass	AV	7.3134G	38.57	54.00	-15.43	3	Horizontal	311	1.00
2437MHz	Pass	PK	4.87502G	43.41	74.00	-30.59	3	Horizontal	346	1.15
2437MHz	Pass	PK	7.31754G	51.09	74.00	-22.91	3	Horizontal	311	1.00
2457MHz	Pass	AV	2.458G	104.70	Inf	-Inf	3	Vertical	347	2.18
2457MHz	Pass	AV	2.4835G	49.93	54.00	-4.07	3	Vertical	347	2.18
2457MHz	Pass	PK	2.458G	114.47	Inf	-Inf	3	Vertical	347	2.18
2457MHz	Pass	PK	2.484G	64.71	74.00	-9.29	3	Vertical	347	2.18
2457MHz	Pass	AV	2.4564G	109.34	Inf	-Inf	3	Horizontal	58	1.59
2457MHz	Pass	AV	2.4864G	51.78	54.00	-2.22	3	Horizontal	58	1.59
2457MHz	Pass	PK	2.4558G	119.25	Inf	-Inf	3	Horizontal	58	1.59
2457MHz	Pass	PK	2.4864G	67.04	74.00	-6.96	3	Horizontal	58	1.59
2462MHz	Pass	AV	2.4616G	104.41	Inf	-Inf	3	Vertical	311	1.61
2462MHz	Pass	AV	2.4835G	47.46	54.00	-6.54	3	Vertical	311	1.61
2462MHz	Pass	PK	2.4612G	113.94	Inf	-Inf	3	Vertical	311	1.61
2462MHz	Pass	PK	2.4854G	60.77	74.00	-13.23	3	Vertical	311	1.61
2462MHz	Pass	AV	2.4636G	106.51	Inf	-Inf	3	Horizontal	56	1.55
2462MHz	Pass	AV	2.4835G	53.45	54.00	-0.55	3	Horizontal	56	1.55
2462MHz	Pass	PK	2.4638G	116.27	Inf	-Inf	3	Horizontal	56	1.55
2462MHz	Pass	PK	2.4836G	68.56	74.00	-5.44	3	Horizontal	56	1.55
2462MHz	Pass	AV	4.924G	29.48	54.00	-24.52	3	Vertical	358	1.50

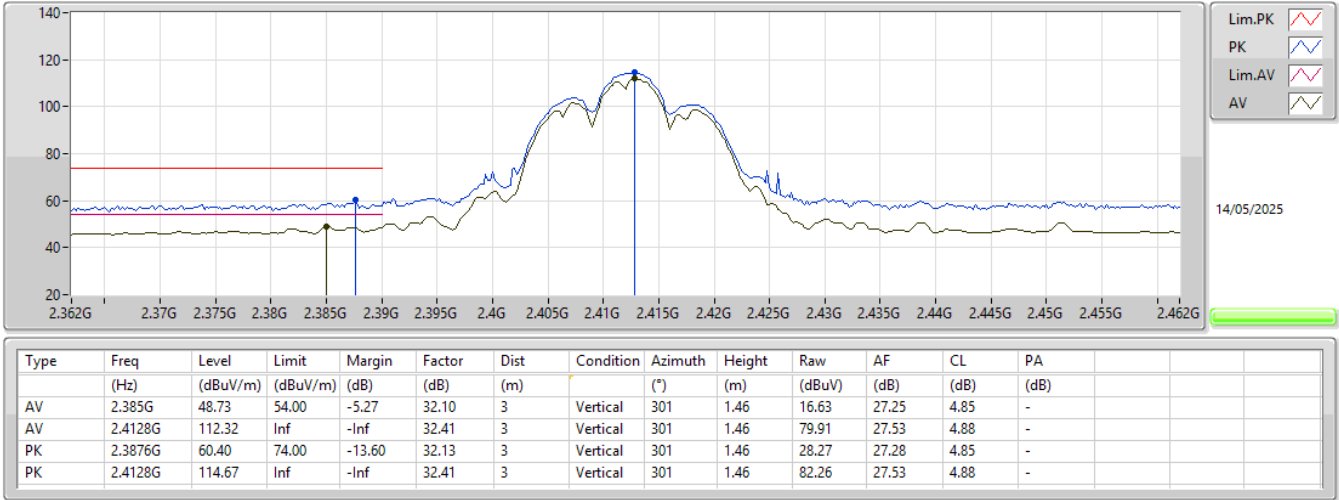
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	7.38576G	34.39	54.00	-19.61	3	Vertical	275	1.50
2462MHz	Pass	PK	4.92784G	41.78	74.00	-32.22	3	Vertical	358	1.50
2462MHz	Pass	PK	7.37802G	46.80	74.00	-27.20	3	Vertical	275	1.50
2462MHz	Pass	AV	4.9243G	30.73	54.00	-23.27	3	Horizontal	351	1.11
2462MHz	Pass	AV	7.38546G	35.59	54.00	-18.41	3	Horizontal	311	1.00
2462MHz	Pass	PK	4.9249G	42.19	74.00	-31.81	3	Horizontal	351	1.11
2462MHz	Pass	PK	7.3866G	47.87	74.00	-26.13	3	Horizontal	311	1.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3894G	52.29	54.00	-1.71	3	Vertical	305	1.47
2412MHz	Pass	AV	2.4142G	104.16	Inf	-Inf	3	Vertical	305	1.47
2412MHz	Pass	PK	2.3896G	69.73	74.00	-4.27	3	Vertical	305	1.47
2412MHz	Pass	PK	2.4142G	114.32	Inf	-Inf	3	Vertical	305	1.47
2412MHz	Pass	AV	2.39G	52.94	54.00	-1.06	3	Horizontal	51	1.64
2412MHz	Pass	AV	2.4114G	108.64	Inf	-Inf	3	Horizontal	51	1.64
2412MHz	Pass	PK	2.3876G	67.96	74.00	-6.04	3	Horizontal	51	1.64
2412MHz	Pass	PK	2.4112G	118.37	Inf	-Inf	3	Horizontal	51	1.64
2412MHz	Pass	AV	4.82652G	28.81	54.00	-25.19	3	Vertical	340	1.67
2412MHz	Pass	PK	4.82358G	41.03	74.00	-32.97	3	Vertical	340	1.67
2412MHz	Pass	AV	4.83252G	28.56	54.00	-25.44	3	Horizontal	1	1.50
2412MHz	Pass	PK	4.83354G	40.69	74.00	-33.31	3	Horizontal	1	1.50
2417MHz	Pass	AV	2.39G	52.82	54.00	-1.18	3	Vertical	304	1.42
2417MHz	Pass	AV	2.4162G	106.85	Inf	-Inf	3	Vertical	304	1.42
2417MHz	Pass	PK	2.3896G	70.54	74.00	-3.46	3	Vertical	304	1.42
2417MHz	Pass	PK	2.4164G	119.64	Inf	-Inf	3	Vertical	304	1.42
2417MHz	Pass	AV	2.383G	52.68	54.00	-1.32	3	Horizontal	48	2.62
2417MHz	Pass	AV	2.4178G	108.45	Inf	-Inf	3	Horizontal	48	2.62
2417MHz	Pass	PK	2.3798G	70.22	74.00	-3.78	3	Horizontal	48	2.62
2417MHz	Pass	PK	2.4184G	120.55	Inf	-Inf	3	Horizontal	48	2.62
2437MHz	Pass	AV	2.3898G	46.96	54.00	-7.04	3	Vertical	336	2.76
2437MHz	Pass	AV	2.4378G	105.70	Inf	-Inf	3	Vertical	336	2.76
2437MHz	Pass	AV	2.4835G	48.84	54.00	-5.16	3	Vertical	336	2.76
2437MHz	Pass	PK	2.3758G	61.15	74.00	-12.85	3	Vertical	336	2.76
2437MHz	Pass	PK	2.4374G	117.90	Inf	-Inf	3	Vertical	336	2.76
2437MHz	Pass	PK	2.4934G	62.54	74.00	-11.46	3	Vertical	336	2.76
2437MHz	Pass	AV	2.3898G	51.51	54.00	-2.49	3	Horizontal	51	1.36
2437MHz	Pass	AV	2.4362G	112.03	Inf	-Inf	3	Horizontal	51	1.36
2437MHz	Pass	AV	2.4914G	51.14	54.00	-2.86	3	Horizontal	51	1.36
2437MHz	Pass	PK	2.3898G	63.88	74.00	-10.12	3	Horizontal	51	1.36
2437MHz	Pass	PK	2.4362G	124.52	Inf	-Inf	3	Horizontal	51	1.36
2437MHz	Pass	PK	2.4934G	66.58	74.00	-7.42	3	Horizontal	51	1.36
2437MHz	Pass	AV	4.87688G	31.02	54.00	-22.98	3	Vertical	344	2.92
2437MHz	Pass	AV	7.31778G	36.81	54.00	-17.19	3	Vertical	306	2.52
2437MHz	Pass	PK	4.8764G	44.38	74.00	-29.62	3	Vertical	344	2.92
2437MHz	Pass	PK	7.31778G	49.62	74.00	-24.38	3	Vertical	306	2.52
2437MHz	Pass	AV	4.87478G	32.36	54.00	-21.64	3	Horizontal	348	1.17
2437MHz	Pass	AV	7.31868G	39.45	54.00	-14.55	3	Horizontal	301	1.03
2437MHz	Pass	PK	4.87562G	45.22	74.00	-28.78	3	Horizontal	348	1.17
2437MHz	Pass	PK	7.31904G	51.93	74.00	-22.07	3	Horizontal	301	1.03
2457MHz	Pass	AV	2.4562G	104.82	Inf	-Inf	3	Vertical	341	1.05
2457MHz	Pass	AV	2.4835G	48.77	54.00	-5.23	3	Vertical	341	1.05
2457MHz	Pass	PK	2.4562G	117.21	Inf	-Inf	3	Vertical	341	1.05
2457MHz	Pass	PK	2.4838G	64.92	74.00	-9.08	3	Vertical	341	1.05
2457MHz	Pass	AV	2.458G	105.82	Inf	-Inf	3	Horizontal	52	2.26
2457MHz	Pass	AV	2.4835G	52.93	54.00	-1.07	3	Horizontal	52	2.26
2457MHz	Pass	PK	2.4578G	118.71	Inf	-Inf	3	Horizontal	52	2.26
2457MHz	Pass	PK	2.484G	72.50	74.00	-1.50	3	Horizontal	52	2.26
2462MHz	Pass	AV	2.4626G	100.54	Inf	-Inf	3	Vertical	333	2.01
2462MHz	Pass	AV	2.4862G	50.41	54.00	-3.59	3	Vertical	333	2.01
2462MHz	Pass	PK	2.4656G	112.34	Inf	-Inf	3	Vertical	333	2.01
2462MHz	Pass	PK	2.485G	67.59	74.00	-6.41	3	Vertical	333	2.01
2462MHz	Pass	AV	2.4614G	106.56	Inf	-Inf	3	Horizontal	48	1.34
2462MHz	Pass	AV	2.4835G	52.61	54.00	-1.39	3	Horizontal	48	1.34

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	PK	2.461G	119.00	Inf	-Inf	3	Horizontal	48	1.34
2462MHz	Pass	PK	2.4848G	68.38	74.00	-5.62	3	Horizontal	48	1.34
2462MHz	Pass	AV	4.9276G	29.50	54.00	-24.50	3	Vertical	355	1.50
2462MHz	Pass	AV	7.38996G	34.45	54.00	-19.55	3	Vertical	308	1.50
2462MHz	Pass	PK	4.92478G	42.14	74.00	-31.86	3	Vertical	355	1.50
2462MHz	Pass	PK	7.38852G	47.28	74.00	-26.72	3	Vertical	308	1.50
2462MHz	Pass	AV	4.92832G	29.84	54.00	-24.16	3	Horizontal	354	1.16
2462MHz	Pass	AV	7.39314G	34.80	54.00	-19.20	3	Horizontal	279	1.00
2462MHz	Pass	PK	4.93066G	41.81	74.00	-32.19	3	Horizontal	354	1.16
2462MHz	Pass	PK	7.39146G	47.32	74.00	-26.68	3	Horizontal	279	1.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3884G	49.80	54.00	-4.20	3	Vertical	314	1.41
2422MHz	Pass	AV	2.4284G	98.44	Inf	-Inf	3	Vertical	314	1.41
2422MHz	Pass	AV	2.4908G	46.90	54.00	-7.10	3	Vertical	314	1.41
2422MHz	Pass	PK	2.3848G	65.29	74.00	-8.71	3	Vertical	314	1.41
2422MHz	Pass	PK	2.4276G	109.75	Inf	-Inf	3	Vertical	314	1.41
2422MHz	Pass	PK	2.4835G	59.16	74.00	-14.84	3	Vertical	314	1.41
2422MHz	Pass	AV	2.3808G	53.20	54.00	-0.80	3	Horizontal	47	1.43
2422MHz	Pass	AV	2.4208G	104.84	Inf	-Inf	3	Horizontal	47	1.43
2422MHz	Pass	AV	2.4835G	47.43	54.00	-6.57	3	Horizontal	47	1.43
2422MHz	Pass	PK	2.3828G	66.42	74.00	-7.58	3	Horizontal	47	1.43
2422MHz	Pass	PK	2.4204G	116.08	Inf	-Inf	3	Horizontal	47	1.43
2422MHz	Pass	PK	2.4896G	59.33	74.00	-14.67	3	Horizontal	47	1.43
2422MHz	Pass	AV	4.86572G	28.76	54.00	-25.24	3	Vertical	178	1.50
2422MHz	Pass	AV	7.29108G	34.40	54.00	-19.60	3	Vertical	216	1.50
2422MHz	Pass	PK	4.8518G	42.30	74.00	-31.70	3	Vertical	178	1.50
2422MHz	Pass	PK	7.25172G	46.68	74.00	-27.32	3	Vertical	216	1.50
2422MHz	Pass	AV	4.8638G	28.69	54.00	-25.31	3	Horizontal	354	1.50
2422MHz	Pass	AV	7.28724G	34.42	54.00	-19.58	3	Horizontal	104	1.50
2422MHz	Pass	PK	4.86296G	41.52	74.00	-32.48	3	Horizontal	354	1.50
2422MHz	Pass	PK	7.27944G	46.81	74.00	-27.19	3	Horizontal	104	1.50
2437MHz	Pass	AV	2.3898G	48.29	54.00	-5.71	3	Vertical	325	1.47
2437MHz	Pass	AV	2.4362G	102.60	Inf	-Inf	3	Vertical	325	1.47
2437MHz	Pass	AV	2.4894G	47.64	54.00	-6.36	3	Vertical	325	1.47
2437MHz	Pass	PK	2.3894G	59.58	74.00	-14.42	3	Vertical	325	1.47
2437MHz	Pass	PK	2.4378G	113.67	Inf	-Inf	3	Vertical	325	1.47
2437MHz	Pass	PK	2.4922G	60.33	74.00	-13.67	3	Vertical	325	1.47
2437MHz	Pass	AV	2.3878G	50.00	54.00	-4.00	3	Horizontal	51	1.97
2437MHz	Pass	AV	2.4402G	103.34	Inf	-Inf	3	Horizontal	51	1.97
2437MHz	Pass	AV	2.4835G	52.25	54.00	-1.75	3	Horizontal	51	1.97
2437MHz	Pass	PK	2.3866G	64.75	74.00	-9.25	3	Horizontal	51	1.97
2437MHz	Pass	PK	2.4414G	114.95	Inf	-Inf	3	Horizontal	51	1.97
2437MHz	Pass	PK	2.4846G	66.43	74.00	-7.57	3	Horizontal	51	1.97
2437MHz	Pass	AV	4.8782G	28.78	54.00	-25.22	3	Vertical	236	1.50
2437MHz	Pass	AV	7.32252G	34.42	54.00	-19.58	3	Vertical	277	2.87
2437MHz	Pass	PK	4.89824G	41.13	74.00	-32.87	3	Vertical	236	1.50
2437MHz	Pass	PK	7.33692G	47.33	74.00	-26.67	3	Vertical	277	2.87
2437MHz	Pass	AV	4.8782G	28.81	54.00	-25.19	3	Horizontal	360	1.50
2437MHz	Pass	AV	7.32384G	34.43	54.00	-19.57	3	Horizontal	134	1.50
2437MHz	Pass	PK	4.86668G	40.78	74.00	-33.22	3	Horizontal	360	1.50
2437MHz	Pass	PK	7.33008G	46.79	74.00	-27.21	3	Horizontal	134	1.50
2447MHz	Pass	AV	2.3882G	45.81	54.00	-8.19	3	Vertical	0	2.54
2447MHz	Pass	AV	2.4482G	99.14	Inf	-Inf	3	Vertical	0	2.54
2447MHz	Pass	AV	2.4882G	48.83	54.00	-5.17	3	Vertical	0	2.54
2447MHz	Pass	PK	2.383G	57.64	74.00	-16.36	3	Vertical	0	2.54
2447MHz	Pass	PK	2.449G	110.29	Inf	-Inf	3	Vertical	0	2.54
2447MHz	Pass	PK	2.4886G	62.25	74.00	-11.75	3	Vertical	0	2.54
2447MHz	Pass	AV	2.3866G	47.65	54.00	-6.35	3	Horizontal	50	1.39
2447MHz	Pass	AV	2.4462G	105.38	Inf	-Inf	3	Horizontal	50	1.39
2447MHz	Pass	AV	2.4842G	52.99	54.00	-1.01	3	Horizontal	50	1.39
2447MHz	Pass	PK	2.3674G	59.90	74.00	-14.10	3	Horizontal	50	1.39
2447MHz	Pass	PK	2.4462G	116.89	Inf	-Inf	3	Horizontal	50	1.39

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2447MHz	Pass	PK	2.4835G	64.76	74.00	-9.24	3	Horizontal	50	1.39
2452MHz	Pass	AV	2.374G	46.06	54.00	-7.94	3	Vertical	332	2.28
2452MHz	Pass	AV	2.4532G	99.92	Inf	-Inf	3	Vertical	332	2.28
2452MHz	Pass	AV	2.4952G	49.97	54.00	-4.03	3	Vertical	332	2.28
2452MHz	Pass	PK	2.382G	58.15	74.00	-15.85	3	Vertical	332	2.28
2452MHz	Pass	PK	2.4532G	110.94	Inf	-Inf	3	Vertical	332	2.28
2452MHz	Pass	PK	2.4952G	62.64	74.00	-11.36	3	Vertical	332	2.28
2452MHz	Pass	AV	2.354G	47.43	54.00	-6.57	3	Horizontal	53	1.20
2452MHz	Pass	AV	2.4512G	105.13	Inf	-Inf	3	Horizontal	53	1.20
2452MHz	Pass	AV	2.4896G	53.27	54.00	-0.73	3	Horizontal	53	1.20
2452MHz	Pass	PK	2.3768G	60.23	74.00	-13.77	3	Horizontal	53	1.20
2452MHz	Pass	PK	2.4508G	116.75	Inf	-Inf	3	Horizontal	53	1.20
2452MHz	Pass	PK	2.484G	67.31	74.00	-6.69	3	Horizontal	53	1.20
2452MHz	Pass	AV	4.93028G	28.94	54.00	-25.06	3	Vertical	239	1.50
2452MHz	Pass	AV	7.326G	34.38	54.00	-19.62	3	Vertical	108	1.50
2452MHz	Pass	PK	4.90076G	41.28	74.00	-32.72	3	Vertical	239	1.50
2452MHz	Pass	PK	7.33164G	47.11	74.00	-26.89	3	Vertical	108	1.50
2452MHz	Pass	AV	4.931G	28.95	54.00	-25.05	3	Horizontal	161	1.50
2452MHz	Pass	AV	7.32636G	34.41	54.00	-19.59	3	Horizontal	23	1.50
2452MHz	Pass	PK	4.88828G	41.30	74.00	-32.70	3	Horizontal	161	1.50
2452MHz	Pass	PK	7.33188G	47.51	74.00	-26.49	3	Horizontal	23	1.50

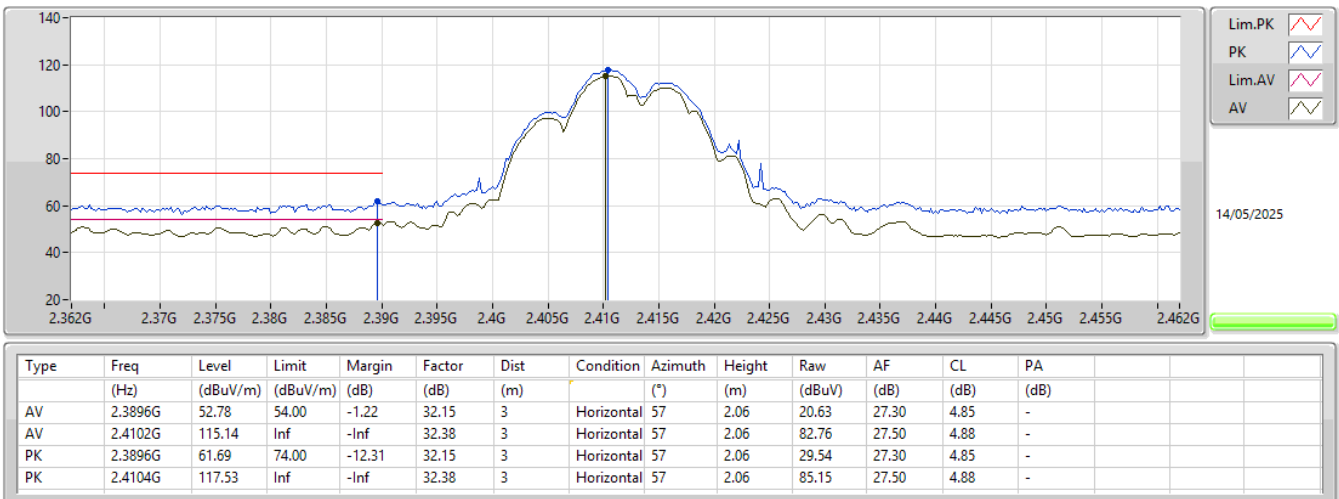
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2412MHz_TX



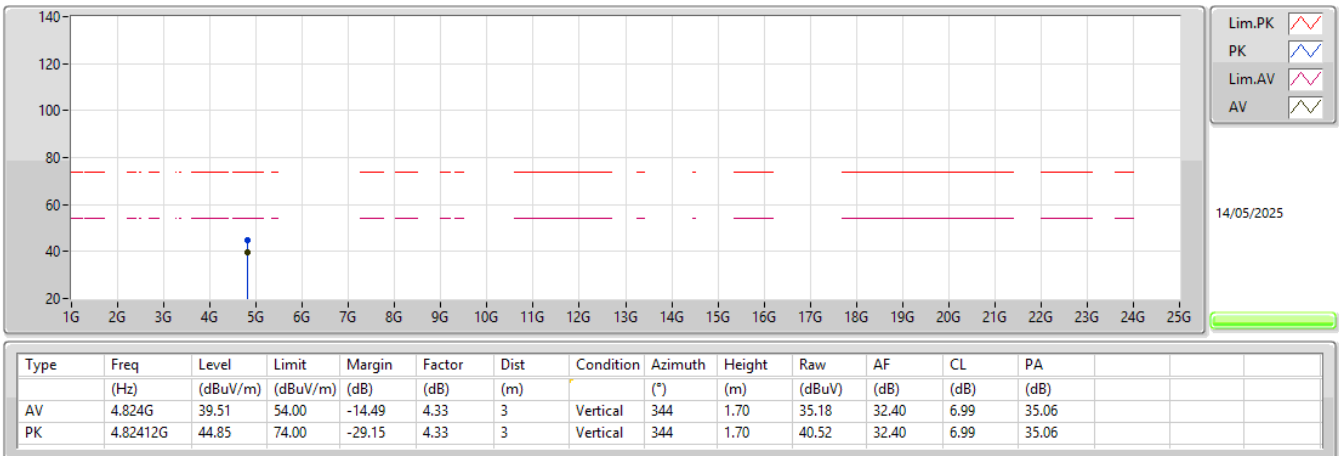
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2412MHz_TX



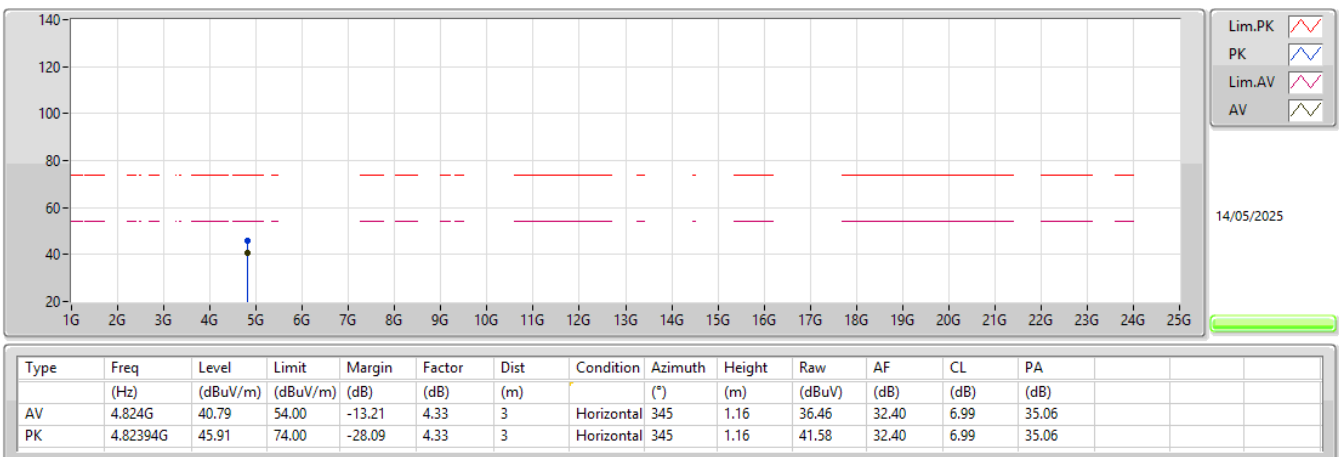
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2412MHz_TX



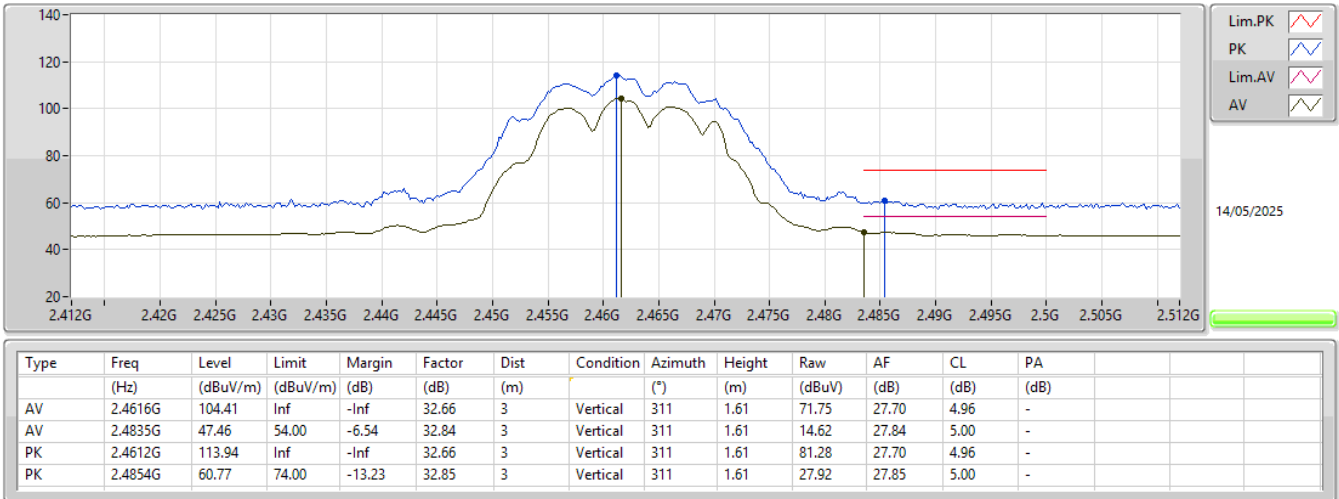
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2412MHz_TX



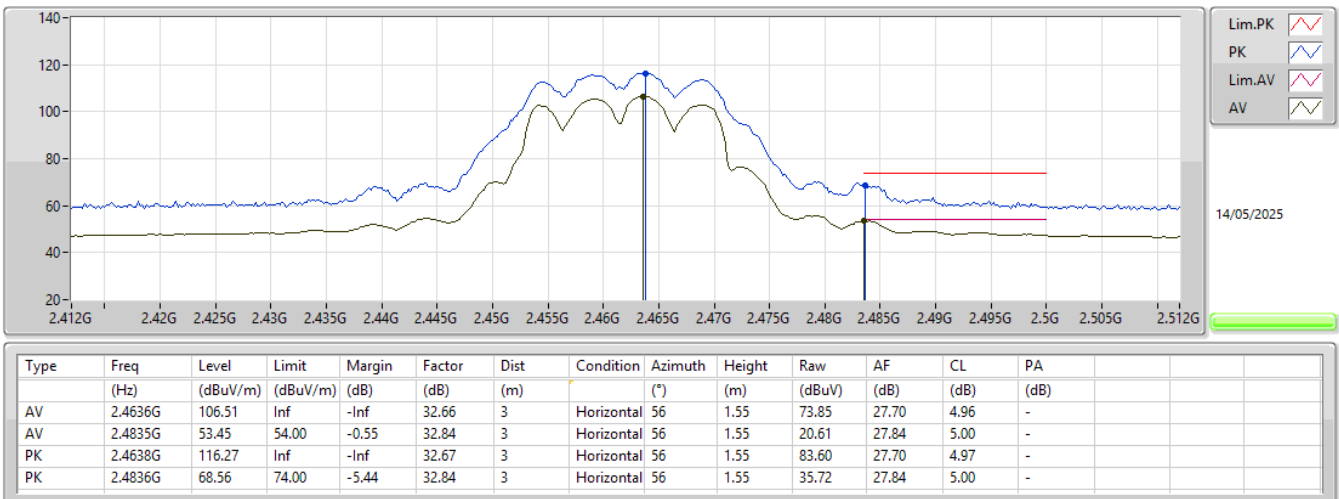
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2462MHz_TX



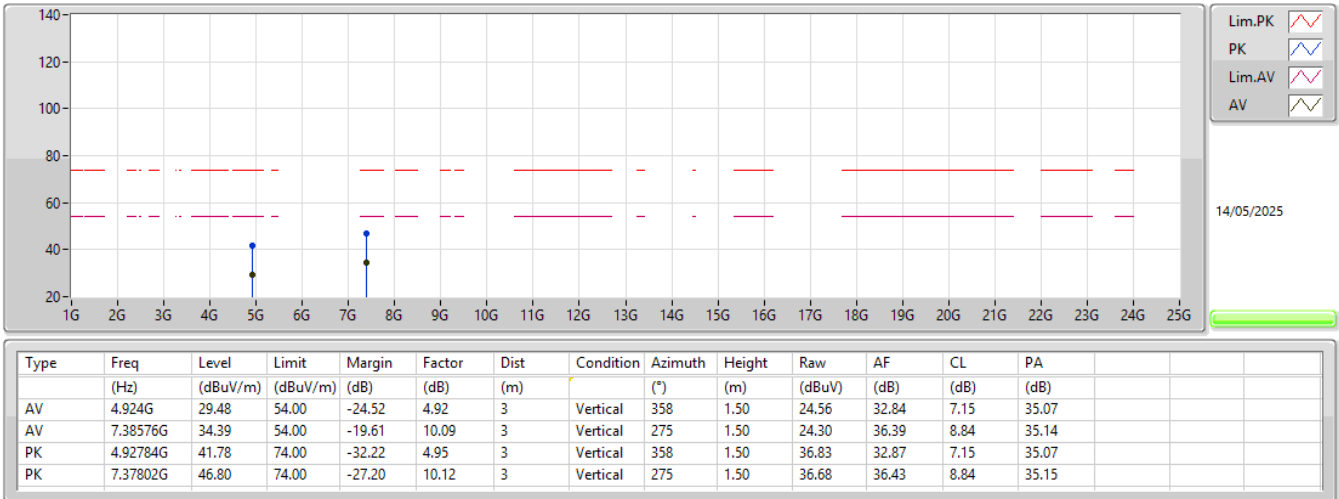
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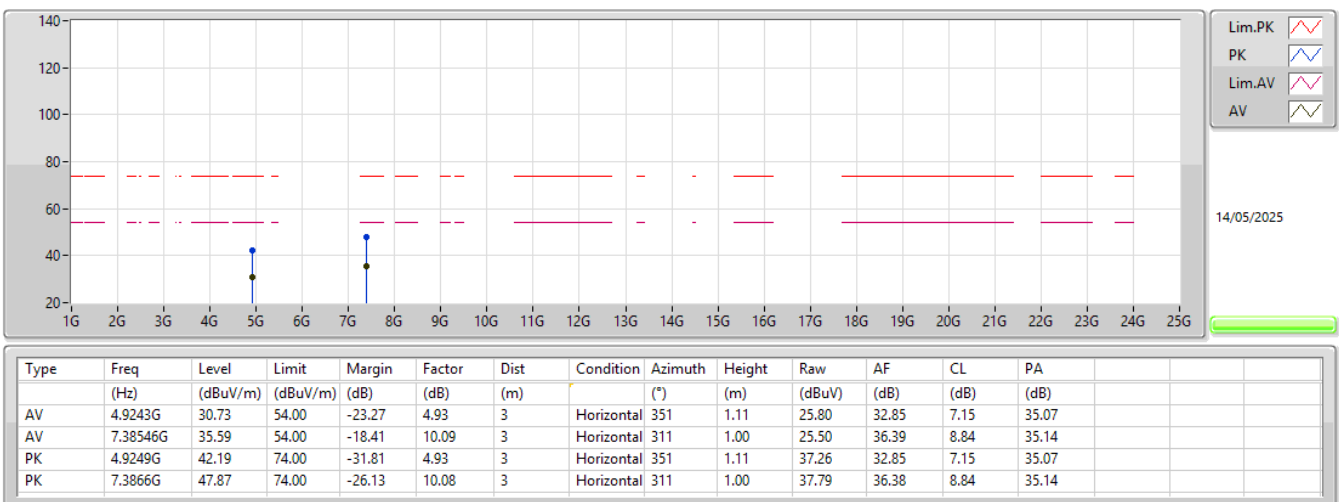
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2462MHz_TX



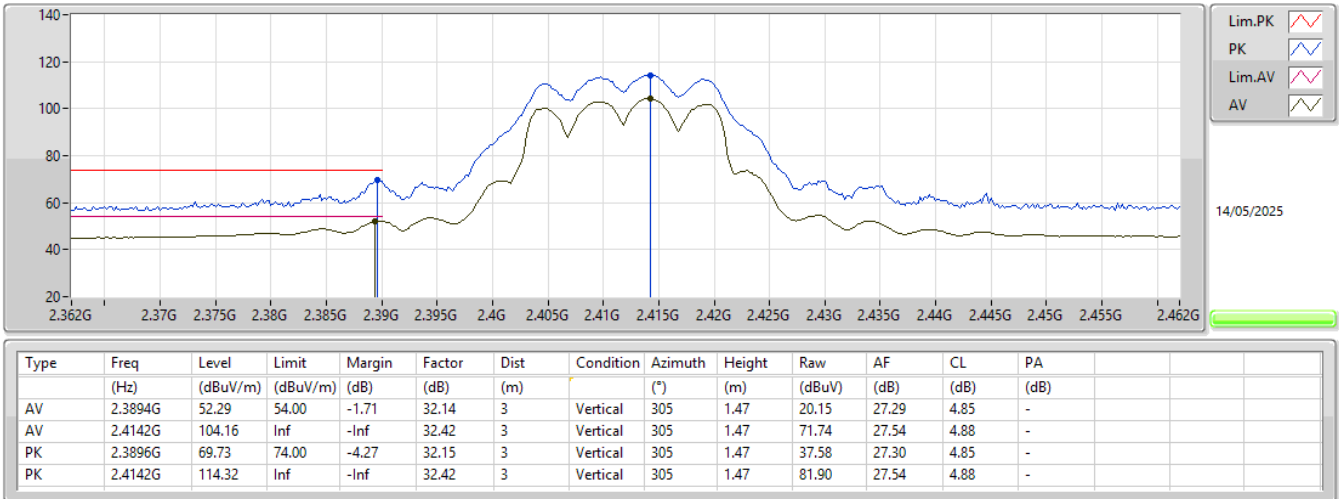
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2462MHz_TX



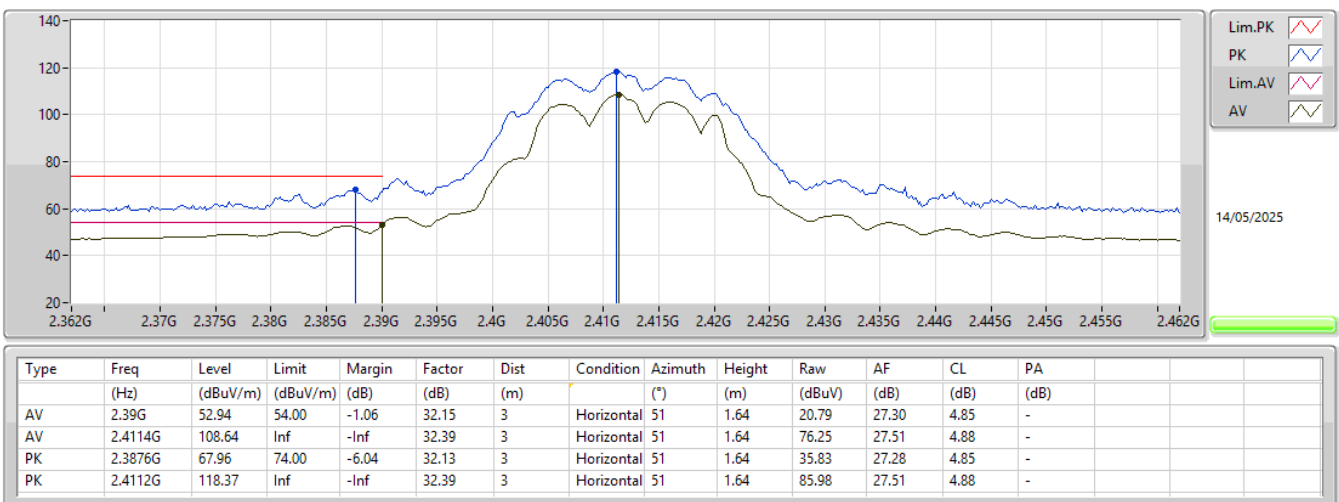
2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2412MHz_TX



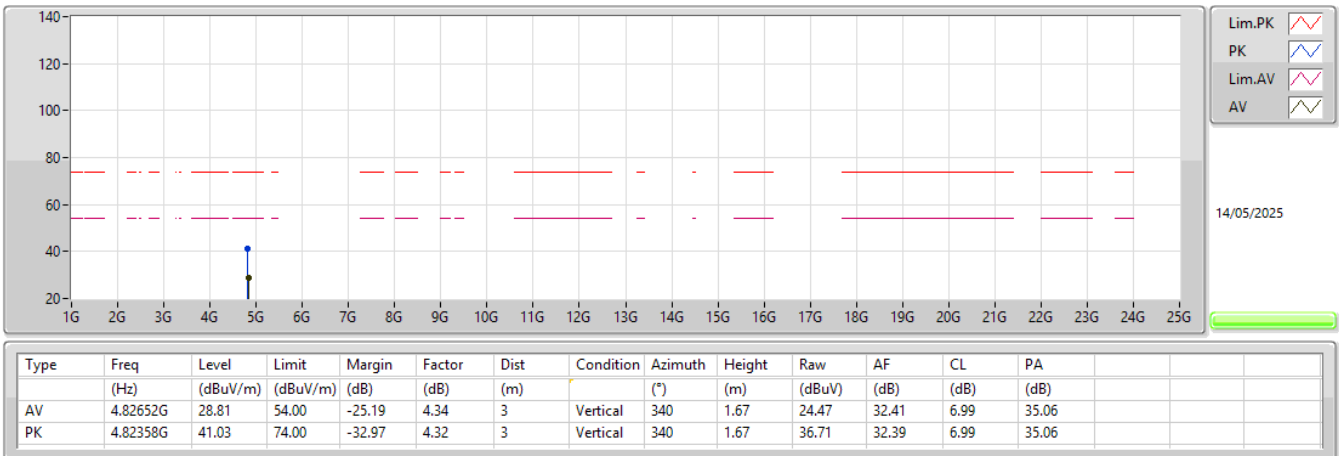
2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2412MHz_TX



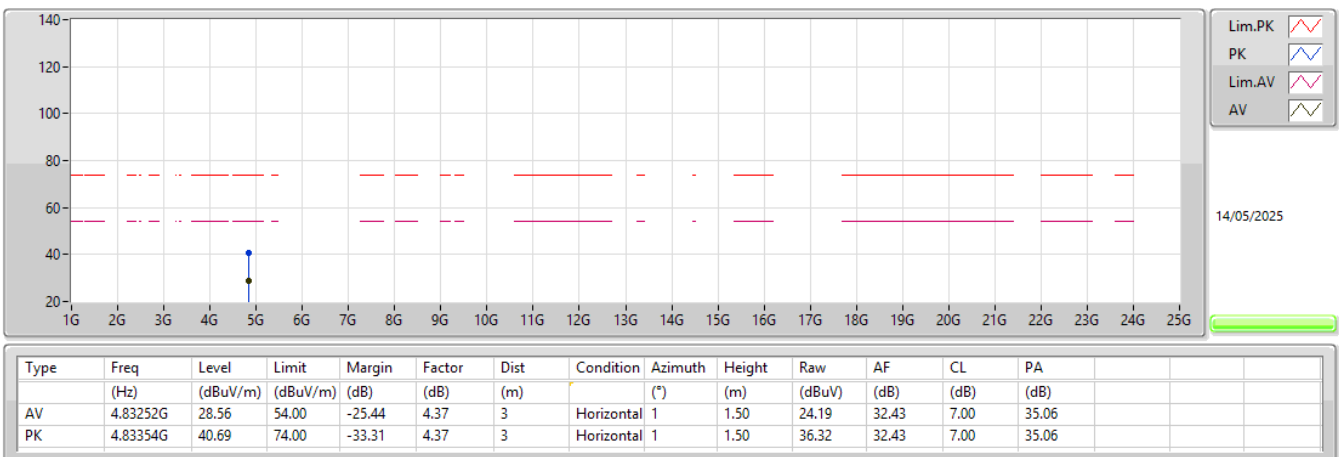
2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2412MHz_TX



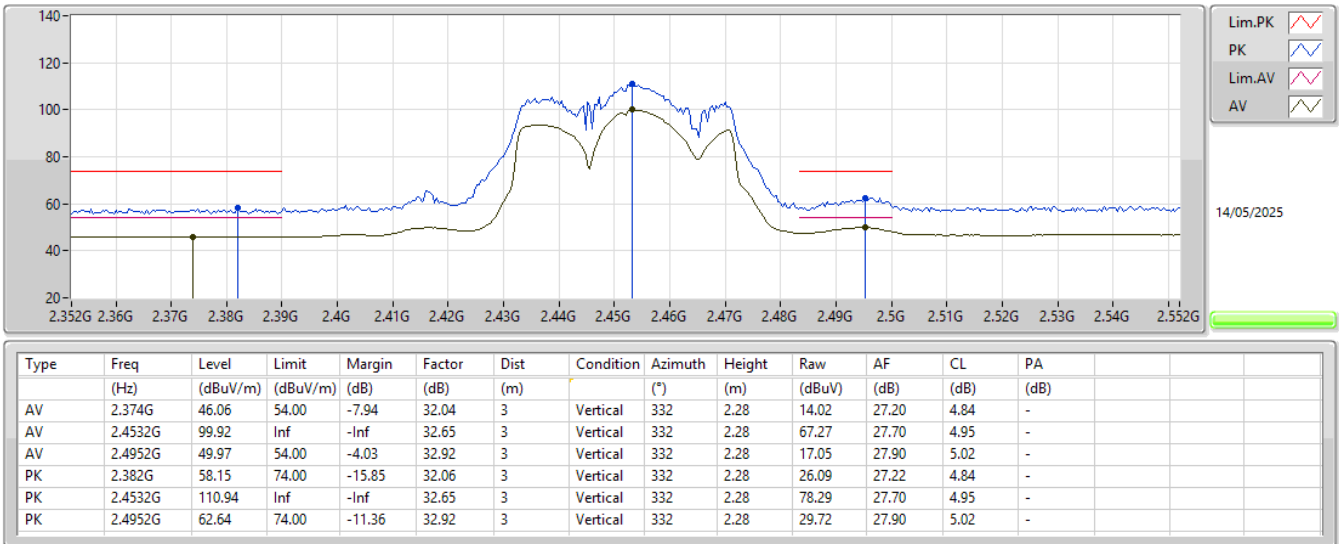
2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2412MHz_TX



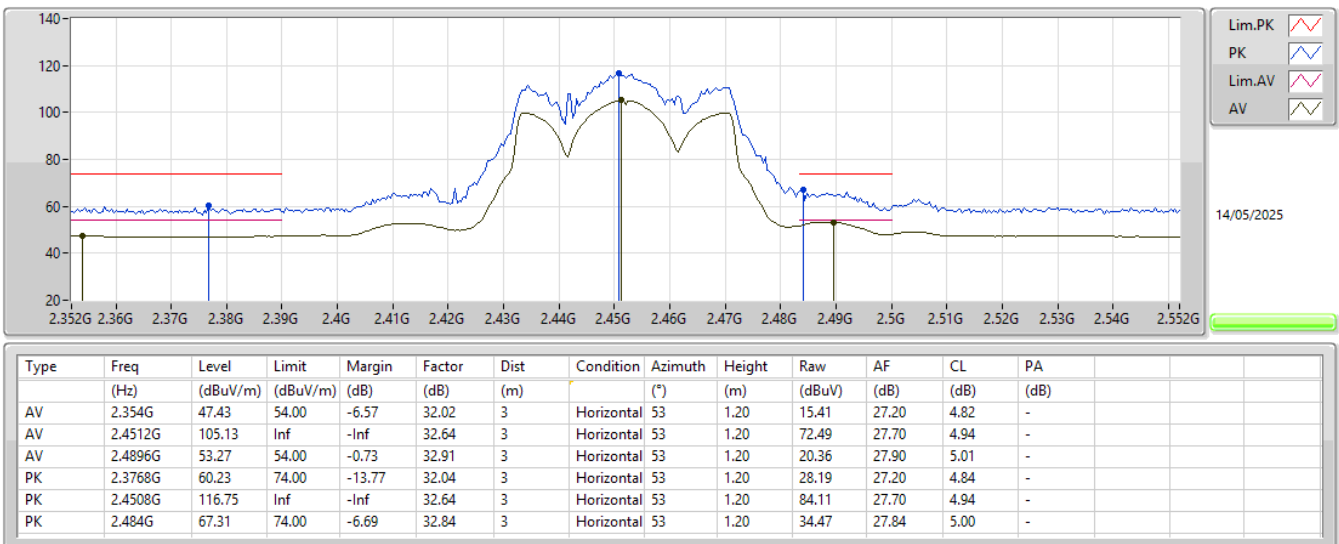
2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2452MHz_TX



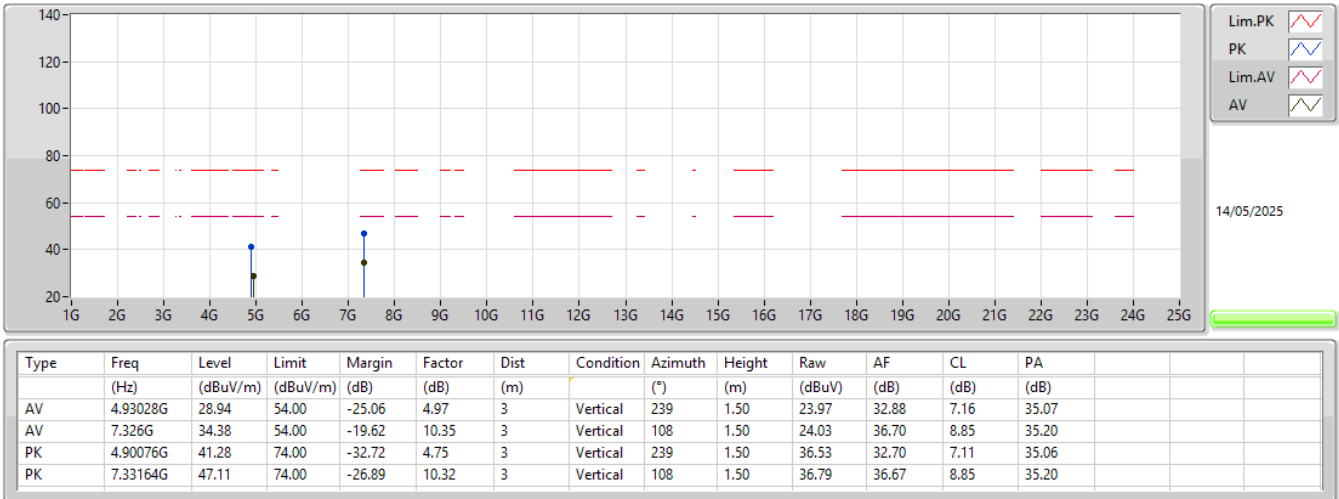
2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2452MHz_TX



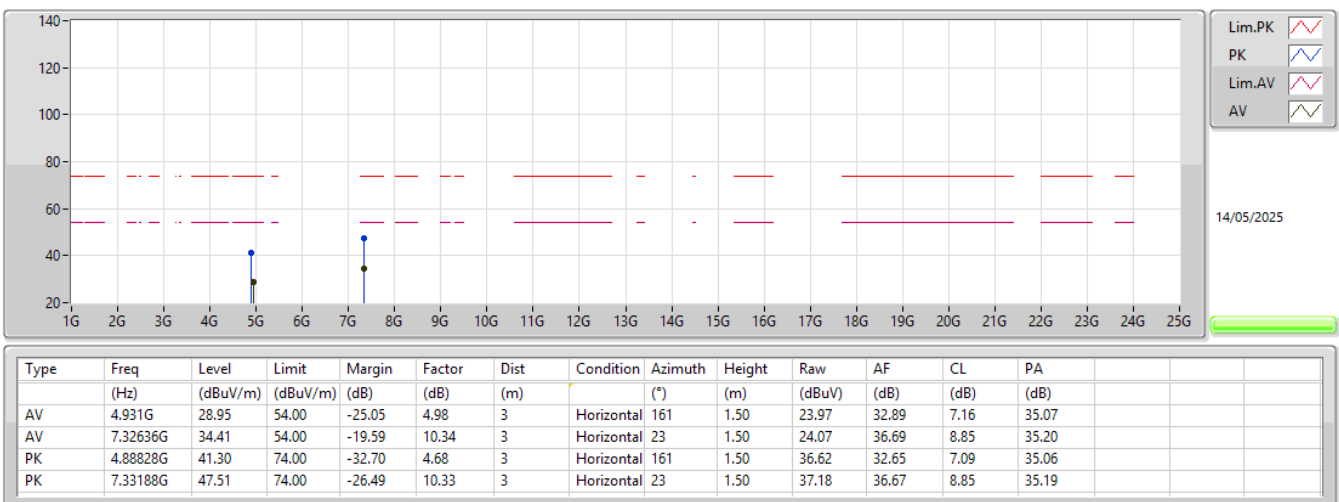
2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2452MHz_TX



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

2452MHz_TX





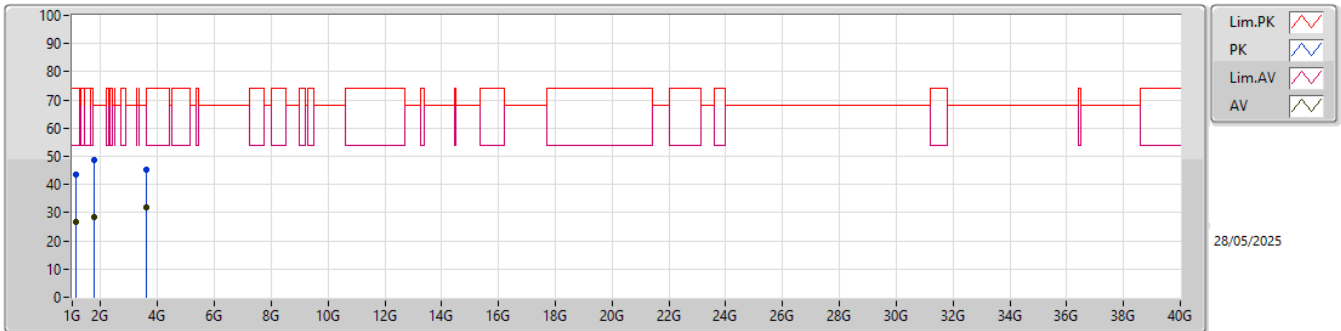
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.98717G	47.42	54.00	-6.58	Horizontal

Result

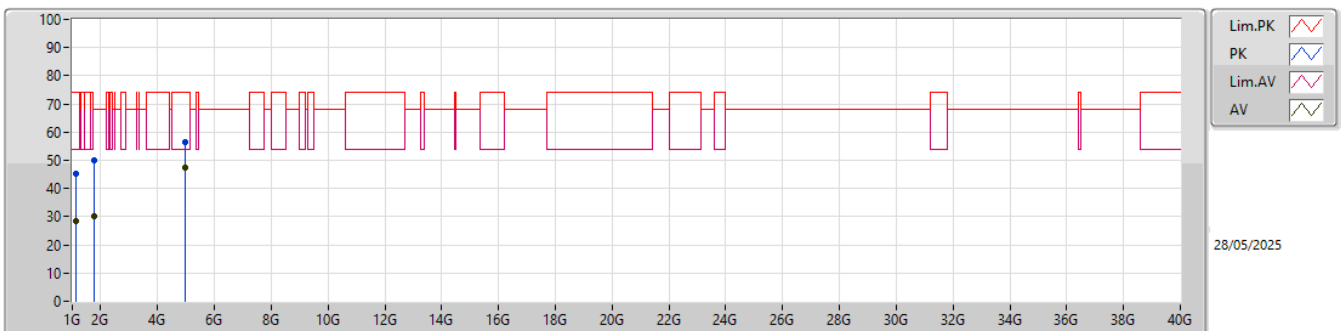
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	1.1202G	26.91	54.00	-27.09	3	Vertical	118	1.97
Mode 1	Pass	AV	1.76008G	28.38	68.20	-39.82	3	Vertical	172	1.23
Mode 1	Pass	AV	3.59956G	31.89	68.20	-36.31	3	Vertical	88	1.00
Mode 1	Pass	PK	1.1199G	43.57	74.00	-30.43	3	Vertical	118	1.97
Mode 1	Pass	PK	1.76002G	48.62	68.20	-19.58	3	Vertical	172	1.23
Mode 1	Pass	PK	3.59338G	45.45	68.20	-22.75	3	Vertical	88	1.00
Mode 1	Pass	AV	1.11984G	28.52	54.00	-25.48	3	Horizontal	236	1.05
Mode 1	Pass	AV	1.75982G	30.05	68.20	-38.15	3	Horizontal	64	3.00
Mode 1	Pass	AV	4.98717G	47.42	54.00	-6.58	3	Horizontal	217	2.66
Mode 1	Pass	PK	1.12014G	45.40	74.00	-28.60	3	Horizontal	236	1.05
Mode 1	Pass	PK	1.76006G	50.16	68.20	-18.04	3	Horizontal	64	3.00
Mode 1	Pass	PK	4.98693G	56.31	74.00	-17.69	3	Horizontal	217	2.66

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)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.1202G	26.91	54.00	-27.09	-6.50	3	Vertical	118	1.97	33.41	25.90	3.27	35.67
AV	1.76008G	28.38	68.20	-39.82	-5.74	3	Vertical	172	1.23	34.12	25.10	4.20	35.04
AV	3.59956G	31.89	68.20	-36.31	0.44	3	Vertical	88	1.00	31.45	29.50	6.15	35.21
PK	1.1199G	43.57	74.00	-30.43	-6.50	3	Vertical	118	1.97	50.07	25.90	3.27	35.67
PK	1.76002G	48.62	68.20	-19.58	-5.74	3	Vertical	172	1.23	54.36	25.10	4.20	35.04
PK	3.59338G	45.45	68.20	-22.75	0.42	3	Vertical	88	1.00	45.03	29.49	6.14	35.21

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)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.11984G	28.52	54.00	-25.48	-6.50	3	Horizontal	236	1.05	35.02	25.90	3.27	35.67
AV	1.75982G	30.05	68.20	-38.15	-5.74	3	Horizontal	64	3.00	35.79	25.10	4.20	35.04
AV	4.98717G	47.42	54.00	-6.58	5.33	3	Horizontal	217	2.66	42.09	33.15	7.25	35.07
PK	1.12014G	45.40	74.00	-28.60	-6.50	3	Horizontal	236	1.05	51.90	25.90	3.27	35.67
PK	1.76006G	50.16	68.20	-18.04	-5.74	3	Horizontal	64	3.00	55.90	25.10	4.20	35.04
PK	4.98693G	56.31	74.00	-17.69	5.33	3	Horizontal	217	2.66	50.98	33.15	7.25	35.07