

FCC Radio Test Report

FCC ID : 2ABLK-GM2038
Equipment : GigaSpire
Brand Name : Calix
Model Name : 7u6m GM2038
Applicant : Calix Inc.
1 Santana West 3155 Olsen Drive, Suite 450,
San Jose California United States 95117
Manufacturer : Calix Inc.
1 Santana West 3155 Olsen Drive, Suite 450,
San Jose California United States 95117
Standard : 47 CFR FCC Part 15.247

The product was received on Apr. 25, 2025, and testing was started from Apr. 26, 2025 and completed on Jun. 03, 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
FR551202AC	01	Initial issue of report	Jun. 20, 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: Daniel Hsu

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), VHT20, ax(HEW20), be(EHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax(HEW40), be(EHT40)	2422-2452	3-9 [7]

Non-Beamforming

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

Beamforming

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

Note:

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

**1.1.2 Antenna Information**

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Pegatron	2G1	dipole	I-Pex	2.4G	Radio 1
2	Pegatron	2G2	dipole	I-Pex	2.4G	Radio 1
3	Pegatron	5GH	dipole	I-Pex	5G	Radio 2
4	Pegatron	5GV	dipole	I-Pex	5G	Radio 2
5	Pegatron	6GH	dipole	I-Pex	6G	Radio 3
6	Pegatron	6GV	dipole	I-Pex	6G	Radio 3

Ant.	Port	Gain (dBi)								
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
1	1	2.38	-	-	-	-	-	-	-	-
2	2	2.07	-	-	-	-	-	-	-	-
3	2	-	2.8	3.28	3.46	4.14	-	-	-	-
4	1	-	3.09	3.37	3.4	2.87	-	-	-	-
5	1	-	-	-	-	-	3.39	3.17	4.09	4.37
6	2	-	-	-	-	-	2.46	4.03	3.68	3.91

Composite Gain (dBi)										
	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	
DG [1SS]	4.7	3.09	3.37	3.46	4.14	3.39	4.03	4.09	4.37	

Note 1: The EUT has six antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

For 6GHz function:

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

Ant. 5 (port 1), Ant. 6 (port 2) 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 Table for EUT supports functions

Function
Extender

Note 1: The above information was declared by manufacturer.

1.1.5 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_2TX	0.999	0.01	12.627m	10Hz (DC>=0.98)
802.11g_Nss1,(6Mbps)_2TX	0.992	0.03	1.977m	10Hz (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_2TX	0.997	0.01	5.453m	10Hz (DC>=0.98)
802.11be EHT40_Nss1,(MCS0)_2TX	0.997	0.01	5.453m	10Hz (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	0.997	0.01	5.453m	10Hz (DC>=0.98)
802.11be EHT40-BF_Nss1,(MCS0)_2TX	0.997	0.01	5.453m	10Hz (DC>=0.98)

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

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	Lego Lin	23.3~25.5°C / 58~63%	29/May/2025
RF Conducted	TH07-HY	Yulin Chen	22.6~24.5°C / 51~57%	28/Apr/2025~03/Jun/2025
☒ 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	Andy Wang	21.9~22.8°C / 51~56%	26/Apr/2025~28/May/2025
Radiated (Co-Location)	03CH26-HY	Andy Wang	23.2~23.9°C / 51~55%	27/May/2025

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	Qualcomm Radio Control Toolkit v4.1
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Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	27
2437MHz	27
2457MHz	27
2462MHz	26.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	24
2417MHz	25.5
2437MHz	27
2457MHz	25.5
2462MHz	24.5
802.11be EHT20_Nss1,(MCS0)_2TX	-
2412MHz	21.5
2417MHz	25
2437MHz	27
2457MHz	26
2462MHz	24.5
802.11be EHT40_Nss1,(MCS0)_2TX	-
2422MHz	21.5
2427MHz	23.5
2437MHz	23.5
2447MHz	22.5
2452MHz	23

**Beamforming**

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	21.5
2417MHz	25
2437MHz	27
2457MHz	26
2462MHz	24.5
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	21.5
2427MHz	23.5
2437MHz	23.5
2447MHz	22.5
2452MHz	23

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 2.4G + WLAN 5G + WLAN 6G
Refer to Sporton Test Report No.: FA551202 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
AC/DC Adapter 1	Brand Name	MOSO	Model Name	MS-V3000R120-036L0-US
	Power Rating	I/P: 100 - 240 Vac, 1.3 A, O/P: 12.0 Vdc, 4.0 A		
AC/DC Adapter 2	Brand Name	Amigo	Model Name	AMS317-1203000FU
	Power Rating	I/P: 100 - 240 Vac, 1.3 A, O/P: 12.0 Vdc, 4.0 A		

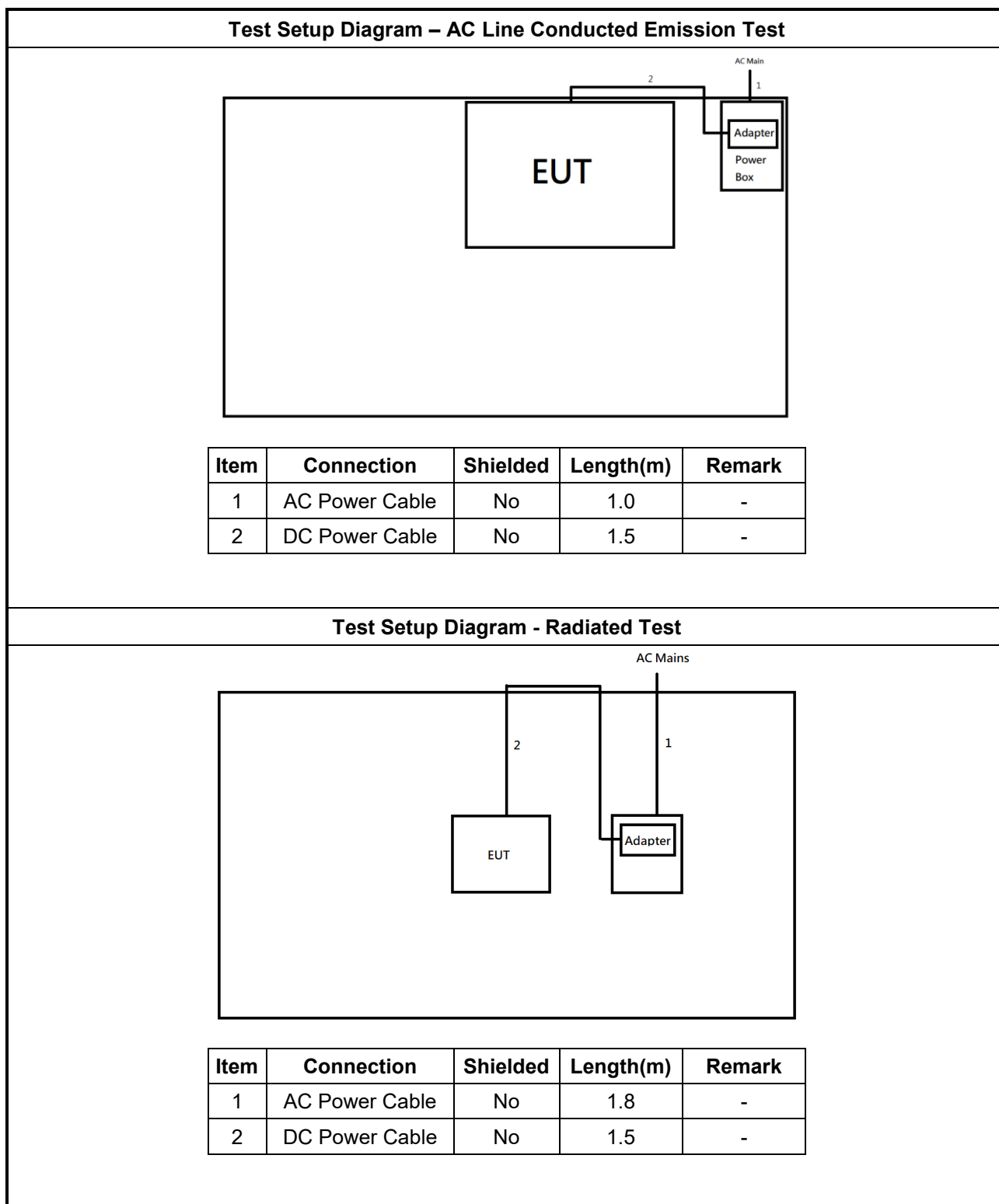
Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

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-01	-	Remote
2	Notebook * 2	Dell	Latitude 7490	-	Remote
3	RJ-45 Cable	Power sync	CAT-6E-10	-	Remote
4	Client	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

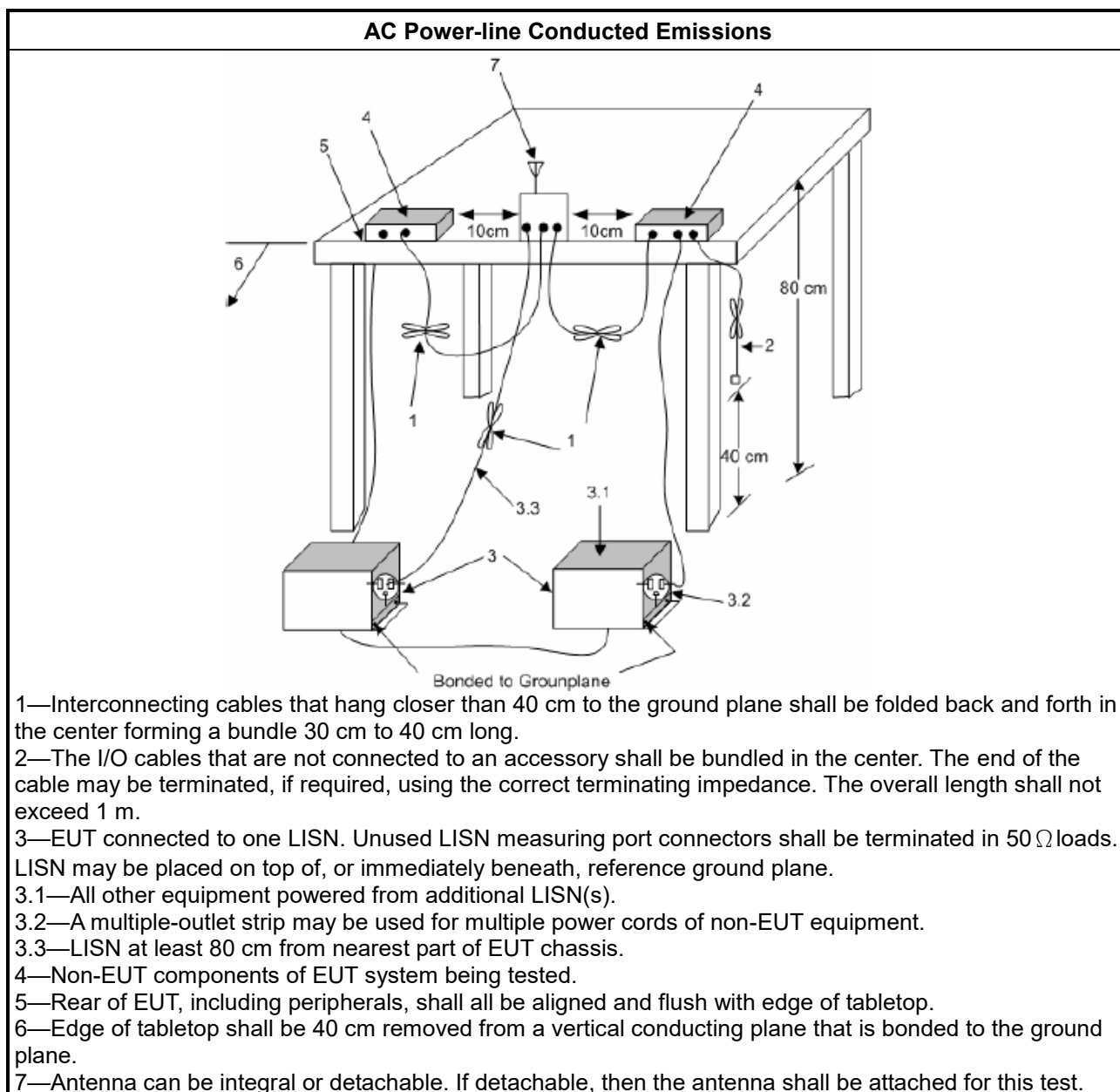
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

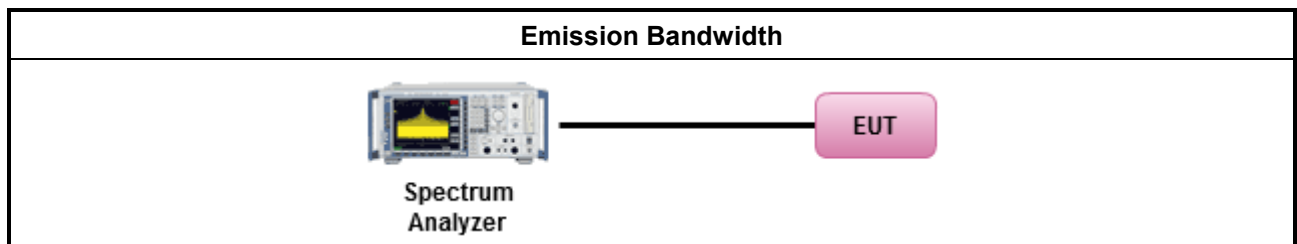
3.2.2 Measuring Instruments

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.	

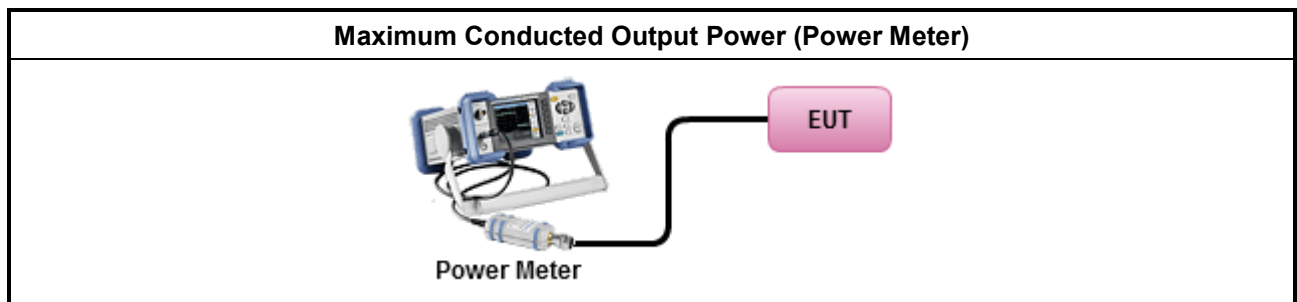
3.3.2 Measuring Instruments

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

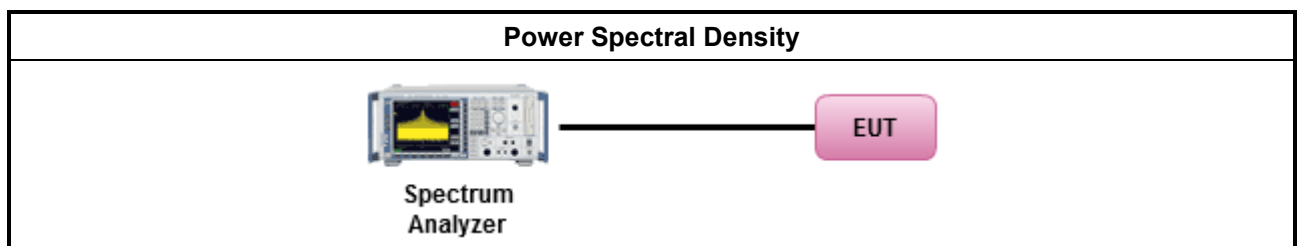
3.4.2 Measuring Instruments

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.	

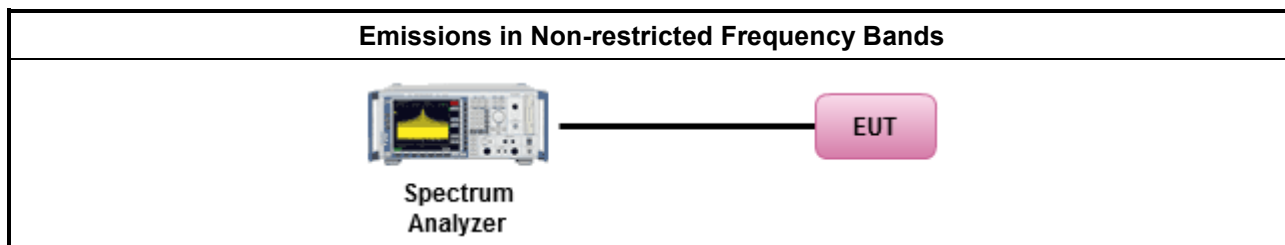
3.5.2 Measuring Instruments

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

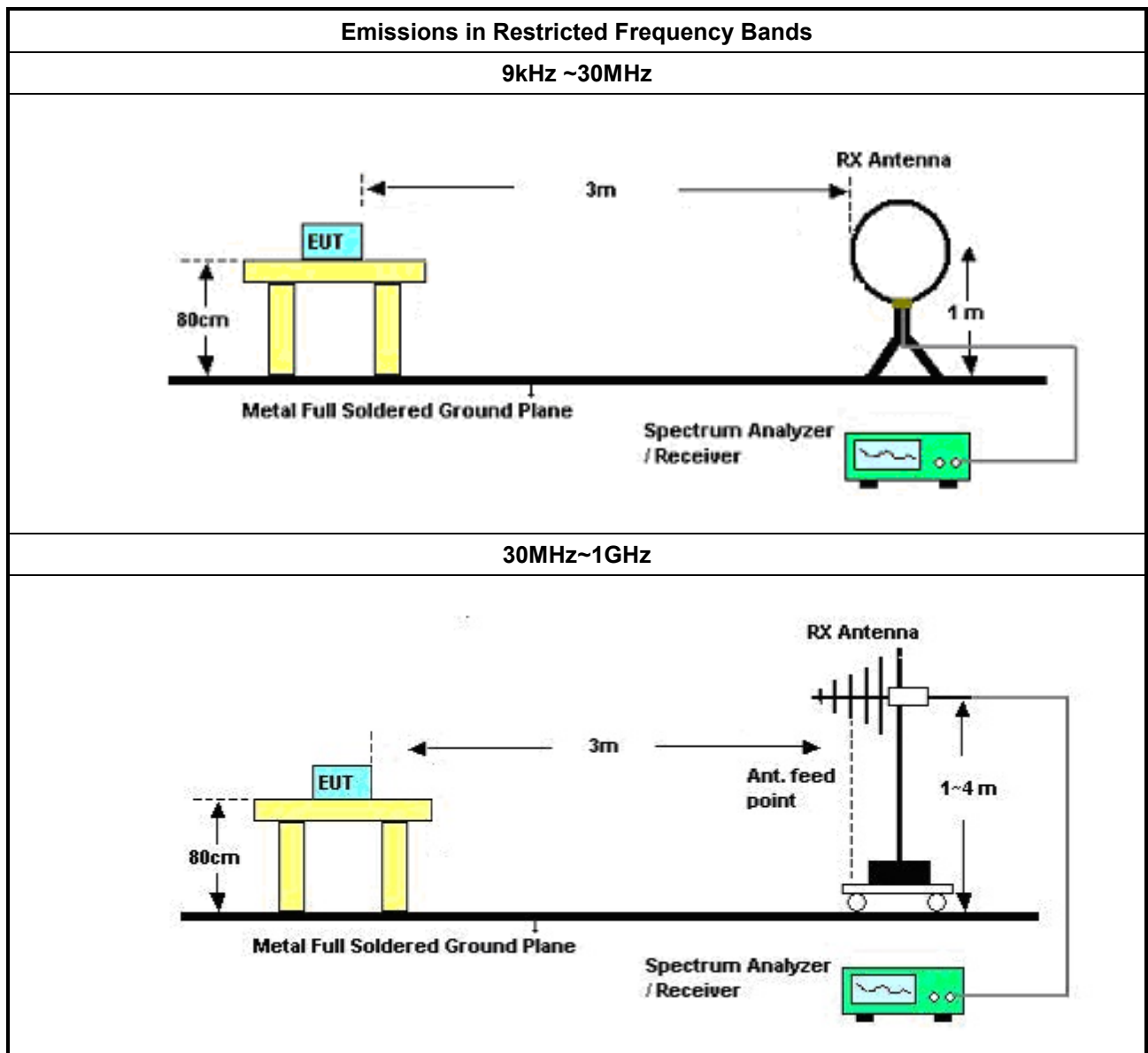
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

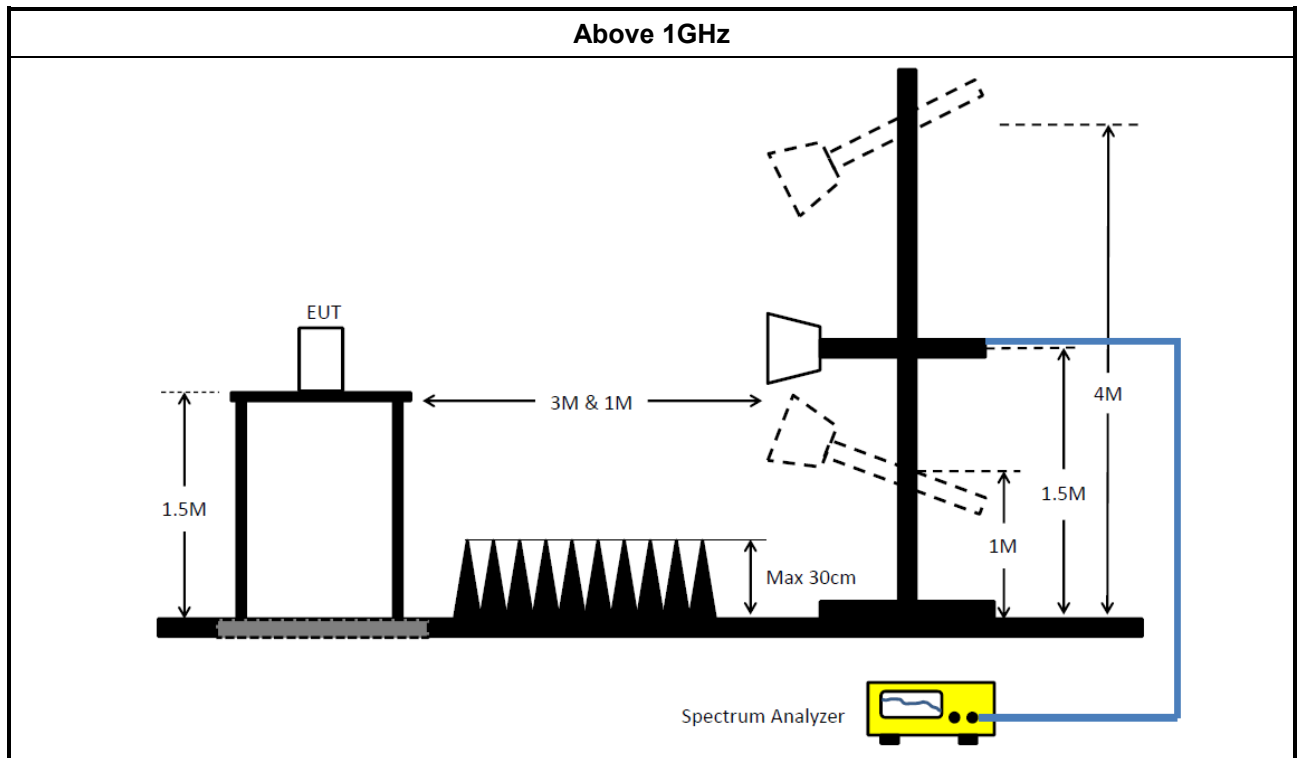
3.6.4 Measurement Results Calculation

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	101578	9kHz ~ 30MHz	11/Oct/2024	10/Oct/2025
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	101029	10Hz~40GHz	28/Oct/2024	27/Oct/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	28/Mar/2025	27/Mar/2026
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	28/Mar/2025	27/Mar/2026
SENSE-15247_DTS	Sporton	V5.11.23	N/A	N/A	N/A	N/A

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

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	07/Aug/2024	06/Aug/2025
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH26-HY	1GHz~18GHz 3m	07/Aug/2024	06/Aug/2025
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	06/Dec/2024	05/Dec/2025
Signal Analyzer	ROHDE& SCHWARZ	FSV3044	101411	10Hz~44GHz	09/Oct/2024	08/Oct/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	20/Mar/2025	19/Mar/2026
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	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
RF Cable	HUBER+ SUHNER	SUOFLEX 104	CB009	9kHz~1GHz	21/Oct/2024	20/Oct/2025
RF Cable	HUBER+ SUHNER	SUOFLEX 104	CB009	1GHz~40GHz	21/Oct/2024	20/Oct/2025
Preamplifier	SGH	PRAMP 903	20230515-2	30MHz~1GHz	21/May/2025	20/May/2026
Preamplifier	SGH	PRAMP 118-H	20230515-4	1GHz ~18GHz	21/May/2025	20/May/2026
Preamplifier	SGH	PRAMP 118-H	20230515-4	1GHz ~18GHz	24/May/2024	23/May/2025
Amplifier	EM	EM18G40G	060874	18GHz ~ 40GHz	18/Apr/2025	17/Apr/2026
SENSE-15247-DTS	Sporton	V5.11.23	NA	NA	NA	NA

Instrument for Radiated Test (Co-Location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH26-HY	1GHz~18GHz 3m	07/Aug/2024	06/Aug/2025
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	06/Dec/2024	05/Dec/2025
Signal Analyzer	ROHDE& SCHWARZ	FSV3044	101411	10Hz~44GHz	09/Oct/2024	08/Oct/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	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
RF Cable	HUBER+ SUHNER	SUOFLEX 104	CB009	1GHz~40GHz	21/Oct/2024	20/Oct/2025
Preamplifier	SGH	PRAMP 118-H	20230515-4	1GHz ~18GHz	21/May/2025	20/May/2026
Amplifier	EM	EM18G40G	060874	18GHz ~ 40GHz	18/Apr/2025	17/Apr/2026
SENSE-EMI	Sporton	V5.11.8	NA	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

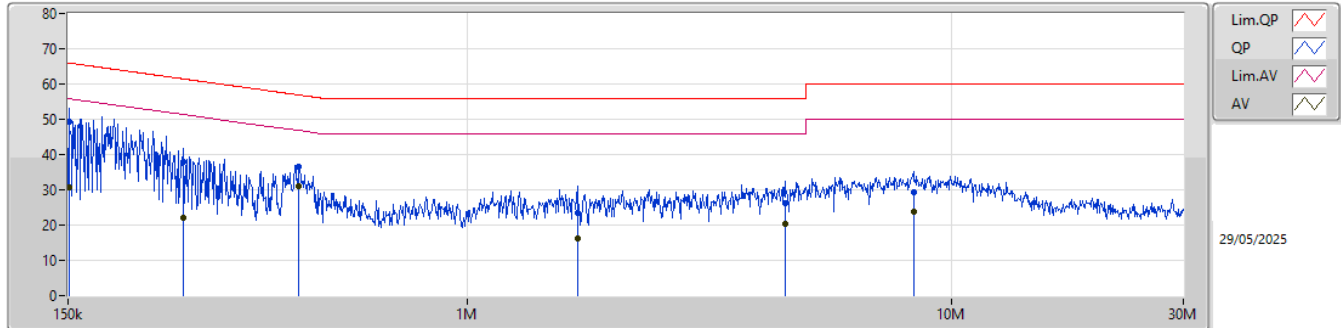
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	449.64k	31.05	46.88	-15.83	Line

Result

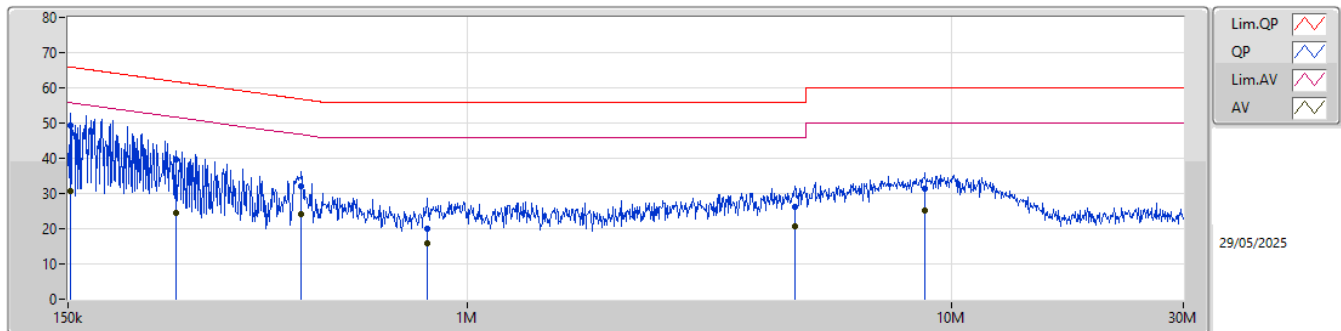
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150.6k	49.28	65.96	-16.68	Line
Mode 1	Pass	AV	150.6k	30.59	55.96	-25.37	Line
Mode 1	Pass	QP	259.19k	37.84	61.45	-23.61	Line
Mode 1	Pass	AV	259.19k	22.07	51.45	-29.38	Line
Mode 1	Pass	QP	449.64k	36.53	56.88	-20.35	Line
Mode 1	Pass	AV	449.64k	31.05	46.88	-15.83	Line
Mode 1	Pass	QP	1.69M	23.46	56.00	-32.54	Line
Mode 1	Pass	AV	1.69M	16.23	46.00	-29.77	Line
Mode 1	Pass	QP	4.52M	26.29	56.00	-29.71	Line
Mode 1	Pass	AV	4.52M	20.22	46.00	-25.78	Line
Mode 1	Pass	QP	8.32M	29.45	60.00	-30.55	Line
Mode 1	Pass	AV	8.32M	23.89	50.00	-26.11	Line
Mode 1	Pass	QP	151.81k	49.15	65.90	-16.75	Neutral
Mode 1	Pass	AV	151.81k	30.74	55.90	-25.16	Neutral
Mode 1	Pass	QP	250.04k	39.76	61.76	-22.00	Neutral
Mode 1	Pass	AV	250.04k	24.53	51.76	-27.23	Neutral
Mode 1	Pass	QP	455.06k	32.12	56.78	-24.66	Neutral
Mode 1	Pass	AV	455.06k	24.05	46.78	-22.73	Neutral
Mode 1	Pass	QP	828.17k	20.00	56.00	-36.00	Neutral
Mode 1	Pass	AV	828.17k	15.76	46.00	-30.24	Neutral
Mode 1	Pass	QP	4.74M	26.25	56.00	-29.75	Neutral
Mode 1	Pass	AV	4.74M	20.71	46.00	-25.29	Neutral
Mode 1	Pass	QP	8.8M	31.50	60.00	-28.50	Neutral
Mode 1	Pass	AV	8.8M	25.15	50.00	-24.85	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	150.6k	49.28	65.96	-16.68	19.89	Line	-	29.39	9.91	0.01	9.97
AV	150.6k	30.59	55.96	-25.37	19.89	Line	-	10.70	9.91	0.01	9.97
QP	259.19k	37.84	61.45	-23.61	19.67	Line	-	18.17	9.68	0.02	9.97
AV	259.19k	22.07	51.45	-29.38	19.67	Line	-	2.40	9.68	0.02	9.97
QP	449.64k	36.53	56.88	-20.35	20.05	Line	-	16.48	10.04	0.03	9.98
AV	449.64k	31.05	46.88	-15.83	20.05	Line	-	11.00	10.04	0.03	9.98
QP	1.69M	23.46	56.00	-32.54	19.74	Line	-	3.72	9.74	0.03	9.97
AV	1.69M	16.23	46.00	-29.77	19.74	Line	-	-3.51	9.74	0.03	9.97
QP	4.52M	26.29	56.00	-29.71	19.74	Line	-	6.55	9.68	0.08	9.98
AV	4.52M	20.22	46.00	-25.78	19.74	Line	-	0.48	9.68	0.08	9.98
QP	8.32M	29.45	60.00	-30.55	19.86	Line	-	9.59	9.68	0.20	9.98
AV	8.32M	23.89	50.00	-26.11	19.86	Line	-	4.03	9.68	0.20	9.98

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	151.81k	49.15	65.90	-16.75	19.93	Neutral	-	29.22	9.95	0.01	9.97
AV	151.81k	30.74	55.90	-25.16	19.93	Neutral	-	10.81	9.95	0.01	9.97
QP	250.04k	39.76	61.76	-22.00	19.66	Neutral	-	20.10	9.67	0.02	9.97
AV	250.04k	24.53	51.76	-27.23	19.66	Neutral	-	4.87	9.67	0.02	9.97
QP	455.06k	32.12	56.78	-24.66	20.05	Neutral	-	12.07	10.04	0.03	9.98
AV	455.06k	24.05	46.78	-22.73	20.05	Neutral	-	4.00	10.04	0.03	9.98
QP	828.17k	20.00	56.00	-36.00	19.94	Neutral	-	0.06	9.91	0.05	9.98
AV	828.17k	15.76	46.00	-30.24	19.94	Neutral	-	-4.18	9.91	0.05	9.98
QP	4.74M	26.25	56.00	-29.75	19.76	Neutral	-	6.49	9.69	0.09	9.98
AV	4.74M	20.71	46.00	-25.29	19.76	Neutral	-	0.95	9.69	0.09	9.98
QP	8.8M	31.50	60.00	-28.50	19.90	Neutral	-	11.60	9.71	0.21	9.98
AV	8.8M	25.15	50.00	-24.85	19.90	Neutral	-	5.25	9.71	0.21	9.98

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	9.025M	13.328M	13M3G1D	5.125M	12.759M
802.11g_Nss1,(6Mbps)_2TX	16.325M	16.668M	16M7D1D	12.175M	16.492M
802.11be EHT20_Nss1,(MCS0)_2TX	18.925M	19.015M	19M0D1D	13.225M	18.791M
802.11be EHT40_Nss1,(MCS0)_2TX	38M	37.781M	37M8D1D	18.85M	37.531M

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	7.325M	12.834M	5.125M	13.328M
2437MHz	Pass	500k	7.075M	12.999M	9.025M	12.759M
2462MHz	Pass	500k	7.075M	12.954M	9.025M	12.804M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.492M	12.175M	16.514M
2437MHz	Pass	500k	14.675M	16.58M	16.275M	16.668M
2462MHz	Pass	500k	16.275M	16.536M	13.15M	16.668M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.25M	18.816M	18.875M	18.966M
2437MHz	Pass	500k	15.5M	18.916M	18.925M	19.015M
2462MHz	Pass	500k	13.225M	18.791M	18.85M	18.941M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.95M	37.781M	18.85M	37.531M
2437MHz	Pass	500k	36M	37.581M	36.85M	37.731M
2452MHz	Pass	500k	34.85M	37.581M	38M	37.781M

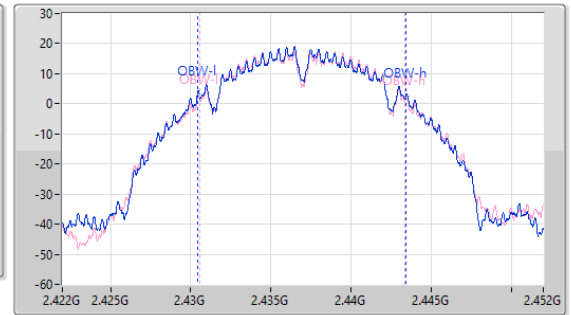
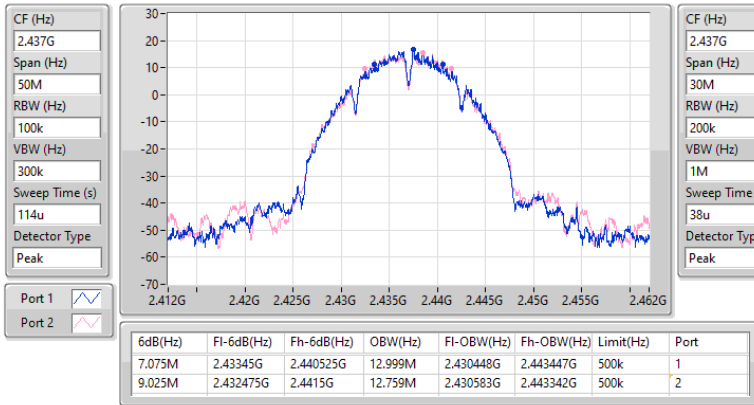
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2437MHz

28/04/2025

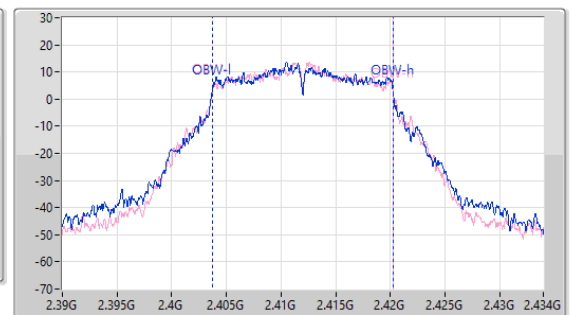
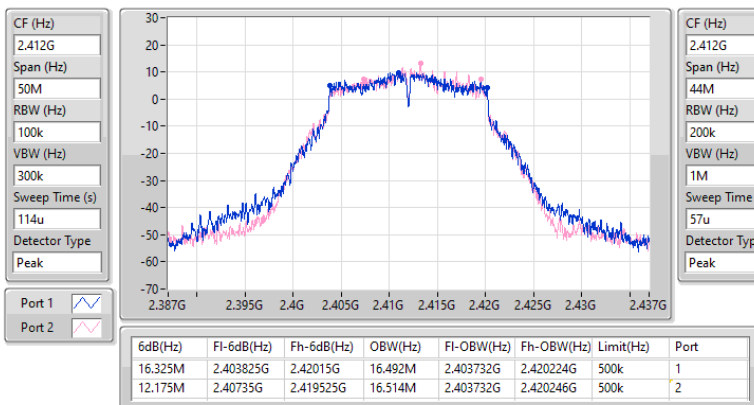


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

28/04/2025

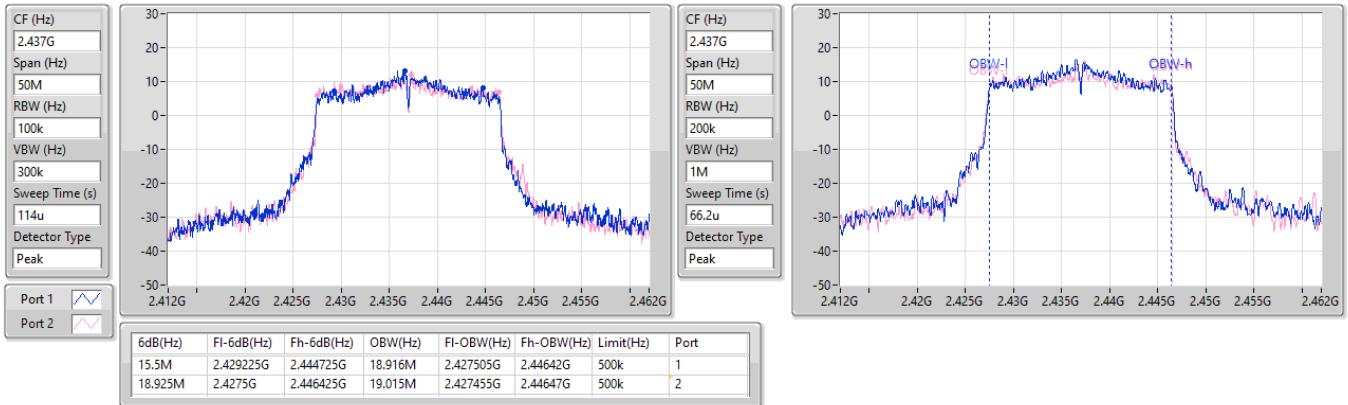


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

2437MHz

28/04/2025

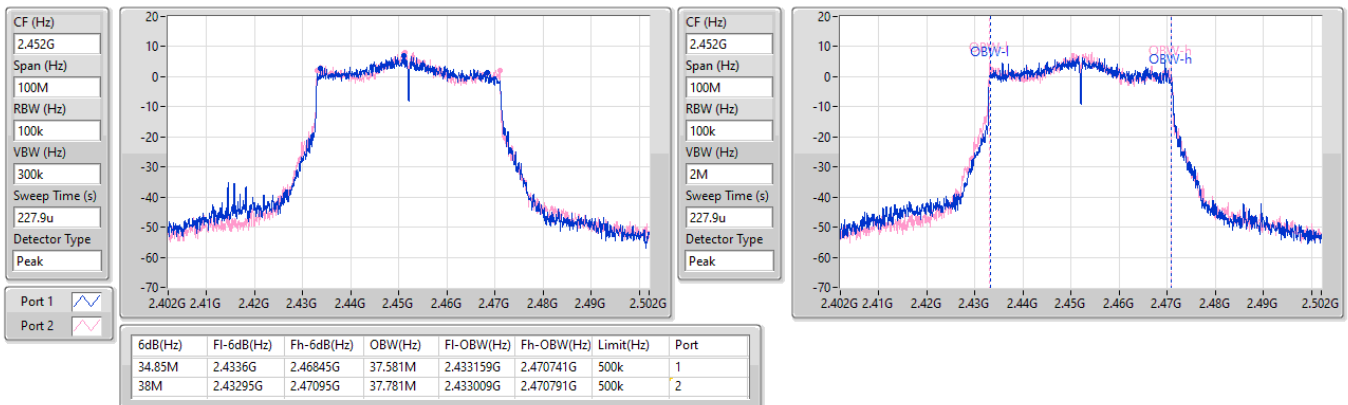


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

2452MHz

28/04/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	28.21	0.66222
802.11g_Nss1,(6Mbps)_2TX	27.77	0.59841
802.11be EHT20_Nss1,(MCS0)_2TX	27.34	0.54200
802.11be EHT40_Nss1,(MCS0)_2TX	24.86	0.30620



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	2.38	25.25	25.08	28.18	30.00
2437MHz	Pass	2.38	25.19	25.21	28.21	30.00
2457MHz	Pass	2.38	25.18	25.06	28.13	30.00
2462MHz	Pass	2.38	24.67	24.69	27.69	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.38	22.19	22.26	25.24	30.00
2417MHz	Pass	2.38	23.64	23.42	26.54	30.00
2437MHz	Pass	2.38	24.85	24.67	27.77	30.00
2457MHz	Pass	2.38	23.69	23.58	26.65	30.00
2462MHz	Pass	2.38	22.58	22.55	25.58	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.38	20.05	19.64	22.86	30.00
2417MHz	Pass	2.38	23.03	23.33	26.19	30.00
2437MHz	Pass	2.38	24.65	23.98	27.34	30.00
2457MHz	Pass	2.38	23.80	24.18	27.00	30.00
2462MHz	Pass	2.38	22.68	22.07	25.40	30.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.38	20.23	19.86	23.06	30.00
2427MHz	Pass	2.38	22.06	21.52	24.81	30.00
2437MHz	Pass	2.38	22.08	21.60	24.86	30.00
2447MHz	Pass	2.38	21.28	20.65	23.99	30.00
2452MHz	Pass	2.38	21.40	21.71	24.57	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	27.34	0.54200
802.11be EHT40-BF_Nss1,(MCS0)_2TX	24.86	0.30620



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.70	20.05	19.64	22.86	30.00
2417MHz	Pass	4.70	23.03	23.33	26.19	30.00
2437MHz	Pass	4.70	24.65	23.98	27.34	30.00
2457MHz	Pass	4.70	23.80	24.18	27.00	30.00
2462MHz	Pass	4.70	22.68	22.07	25.40	30.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.70	20.23	19.86	23.06	30.00
2427MHz	Pass	4.70	22.06	21.52	24.81	30.00
2437MHz	Pass	4.70	22.08	21.60	24.86	30.00
2447MHz	Pass	4.70	21.28	20.65	23.99	30.00
2452MHz	Pass	4.70	21.40	21.71	24.57	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	1.53
802.11g_Nss1,(6Mbps)_2TX	2.27
802.11be EHT20_Nss1,(MCS0)_2TX	2.45
802.11be EHT40_Nss1,(MCS0)_2TX	-2.63

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.70	-2.03	-0.96	1.53	8.00
2437MHz	Pass	4.70	-1.30	-2.89	0.97	8.00
2462MHz	Pass	4.70	-1.78	-3.11	0.62	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.70	-3.36	-1.58	-0.81	8.00
2437MHz	Pass	4.70	0.35	-0.09	2.27	8.00
2462MHz	Pass	4.70	-2.90	-1.10	0.79	8.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.70	-4.28	-6.03	-2.52	8.00
2437MHz	Pass	4.70	0.70	-0.83	2.45	8.00
2462MHz	Pass	4.70	-0.45	-2.96	0.27	8.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.70	-6.19	-6.87	-4.71	8.00
2437MHz	Pass	4.70	-3.82	-5.29	-2.63	8.00
2452MHz	Pass	4.70	-4.60	-3.91	-2.75	8.00

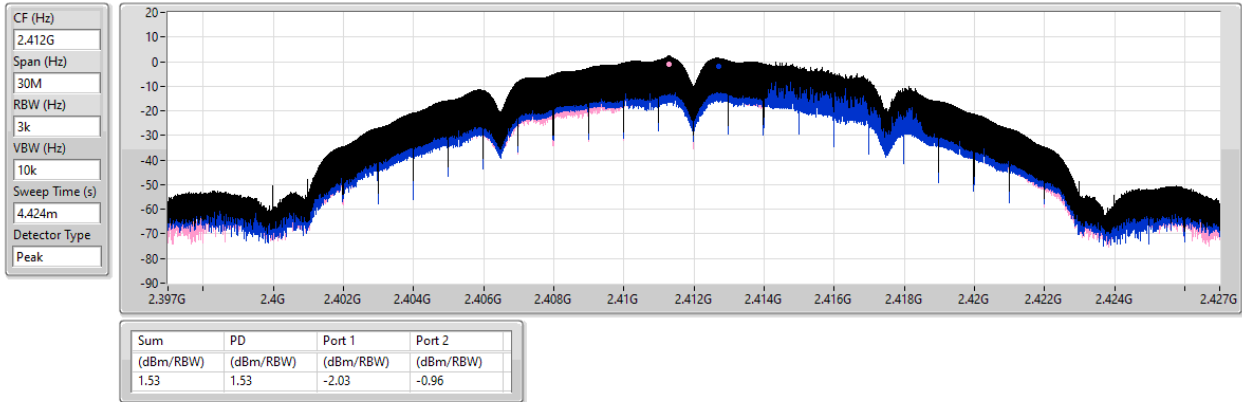
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

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

PSD

2412MHz

28/04/2025

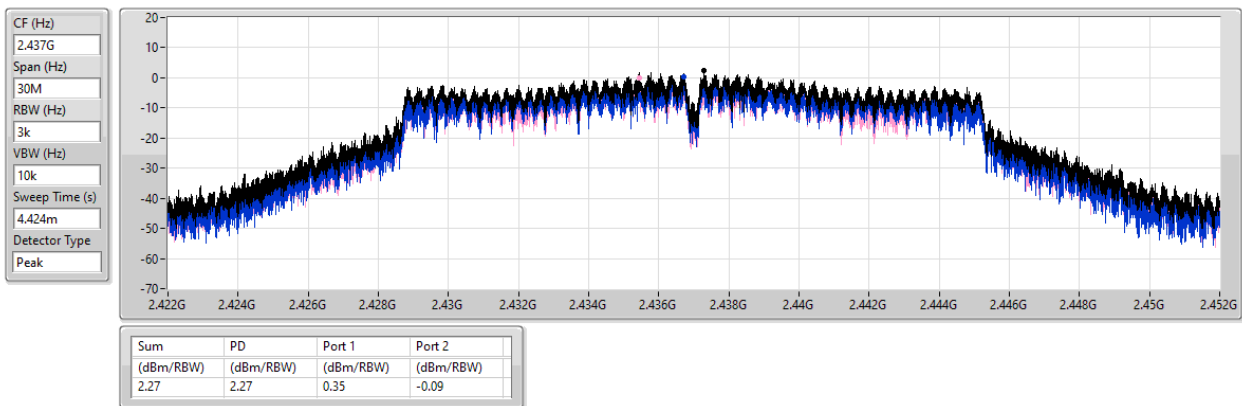


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

28/04/2025

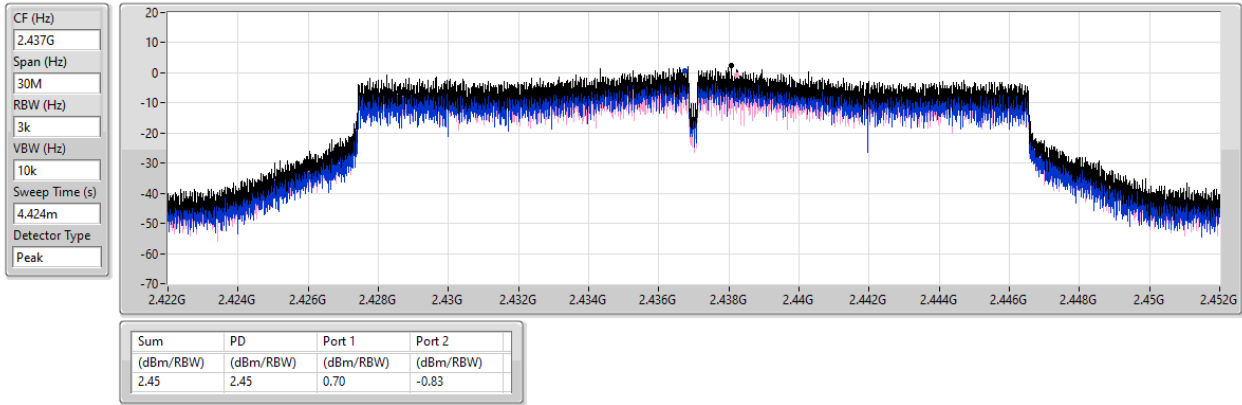


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

2437MHz

28/04/2025

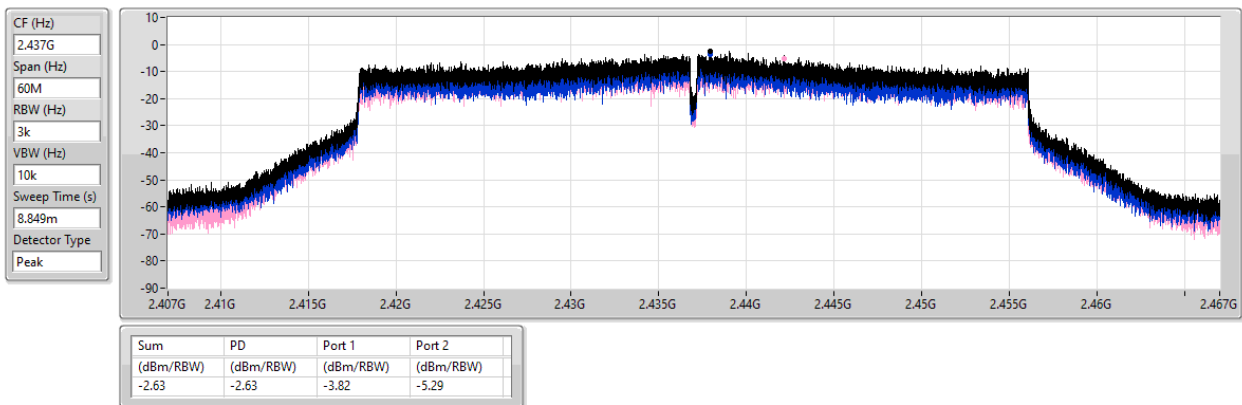


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

2437MHz

28/04/2025





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	2.41136G	17.32	-12.68	2.16079G	-48.99	2.39752G	-35.94	2.4G	-43.67	2.50646G	-49.74	23.57274G	-41.08	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	16.51	-13.49	2.30408G	-50.83	2.4G	-21.23	2.4G	-20.09	2.50646G	-51.28	16.2454G	-41.38	1
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	2.43824G	16.54	-13.46	2.19224G	-53.05	2.39984G	-24.19	2.4G	-21.58	2.50654G	-52.07	16.24821G	-41.42	2
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	2.43958G	10.66	-19.34	2.16085G	-48.27	2.4G	-23.38	2.4G	-23.12	2.51166G	-52.03	16.94249G	-42.37	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	2.41136G	17.32	-12.68	2.16079G	-48.99	2.39752G	-35.94	2.4G	-43.67	2.50646G	-49.74	23.57274G	-41.08	1
2412MHz	Pass	2.41136G	17.32	-12.68	2.30758G	-52.42	2.39968G	-38.20	2.4G	-37.25	2.50846G	-48.97	16.24259G	-41.49	2
2437MHz	Pass	2.41136G	17.32	-12.68	2.16079G	-49.69	2.4G	-49.00	2.4G	-51.10	2.50782G	-52.43	14.6299G	-42.05	1
2437MHz	Pass	2.41136G	17.32	-12.68	2.30874G	-50.92	2.4G	-47.02	2.4G	-48.35	2.50846G	-51.36	16.34374G	-41.03	2
2462MHz	Pass	2.41136G	17.32	-12.68	2.30408G	-50.38	2.4G	-49.26	2.4G	-50.47	2.50142G	-51.18	23.33955G	-40.82	1
2462MHz	Pass	2.41136G	17.32	-12.68	2.30175G	-51.91	2.39384G	-50.11	2.4G	-51.14	2.51758G	-51.43	14.58214G	-41.36	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	16.51	-13.49	2.30408G	-50.83	2.4G	-21.23	2.4G	-20.09	2.50646G	-51.28	16.2454G	-41.38	1
2412MHz	Pass	2.43824G	16.51	-13.49	2.30641G	-49.54	2.39984G	-23.26	2.4G	-21.48	2.51206G	-50.03	15.28172G	-41.15	2
2437MHz	Pass	2.43824G	16.51	-13.49	2.30408G	-47.85	2.39952G	-43.12	2.4G	-44.80	2.51774G	-50.87	23.29179G	-42.04	1
2437MHz	Pass	2.43824G	16.51	-13.49	2.16894G	-51.74	2.39888G	-43.54	2.4G	-44.79	2.5059G	-51.57	15.25363G	-41.74	2
2462MHz	Pass	2.43824G	16.51	-13.49	2.30408G	-47.19	2.4G	-45.98	2.4G	-46.15	2.50022G	-49.69	16.22012G	-40.55	1
2462MHz	Pass	2.43824G	16.51	-13.49	2.30758G	-50.30	2.39144G	-48.80	2.4G	-48.23	2.50174G	-50.42	16.28474G	-41.83	2
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	16.54	-13.46	2.16079G	-50.27	2.4G	-24.50	2.4G	-23.84	2.51286G	-51.86	17.24561G	-41.39	1
2412MHz	Pass	2.43824G	16.54	-13.46	2.19224G	-53.05	2.39984G	-24.19	2.4G	-21.58	2.50654G	-52.07	16.24821G	-41.42	2
2437MHz	Pass	2.43824G	16.54	-13.46	2.1736G	-49.67	2.39976G	-39.30	2.4G	-41.45	2.50206G	-50.40	16.55726G	-41.37	1
2437MHz	Pass	2.43824G	16.54	-13.46	2.16079G	-51.02	2.3988G	-41.43	2.4G	-42.67	2.50006G	-48.31	23.2946G	-41.01	2
2462MHz	Pass	2.43824G	16.54	-13.46	2.30408G	-49.65	2.4G	-47.01	2.4G	-46.09	2.50198G	-49.04	16.31564G	-41.58	1
2462MHz	Pass	2.43824G	16.54	-13.46	2.30874G	-50.12	2.3984G	-49.70	2.4G	-48.64	2.5087G	-48.07	16.61908G	-40.50	2
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43958G	10.66	-19.34	2.16085G	-48.27	2.4G	-23.38	2.4G	-23.12	2.51166G	-52.03	16.94249G	-42.37	1
2422MHz	Pass	2.43958G	10.66	-19.34	30M	-48.78	2.4G	-23.16	2.4G	-23.63	2.53006G	-52.05	16.80226G	-40.93	2
2437MHz	Pass	2.43958G	10.66	-19.34	32.29M	-45.33	2.39984G	-38.87	2.4G	-40.28	2.5019G	-45.78	16.97895G	-40.72	1
2437MHz	Pass	2.43958G	10.66	-19.34	30M	-48.13	2.4G	-39.83	2.4G	-40.46	2.50318G	-46.78	16.28062G	-41.76	2
2452MHz	Pass	2.43958G	10.66	-19.34	31.15M	-47.46	2.4G	-47.35	2.4G	-48.16	2.5011G	-49.38	17.61839G	-41.55	1
2452MHz	Pass	2.43958G	10.66	-19.34	34.58M	-47.43	2.3968G	-48.50	2.4G	-50.81	2.50494G	-47.68	23.28361G	-41.51	2

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

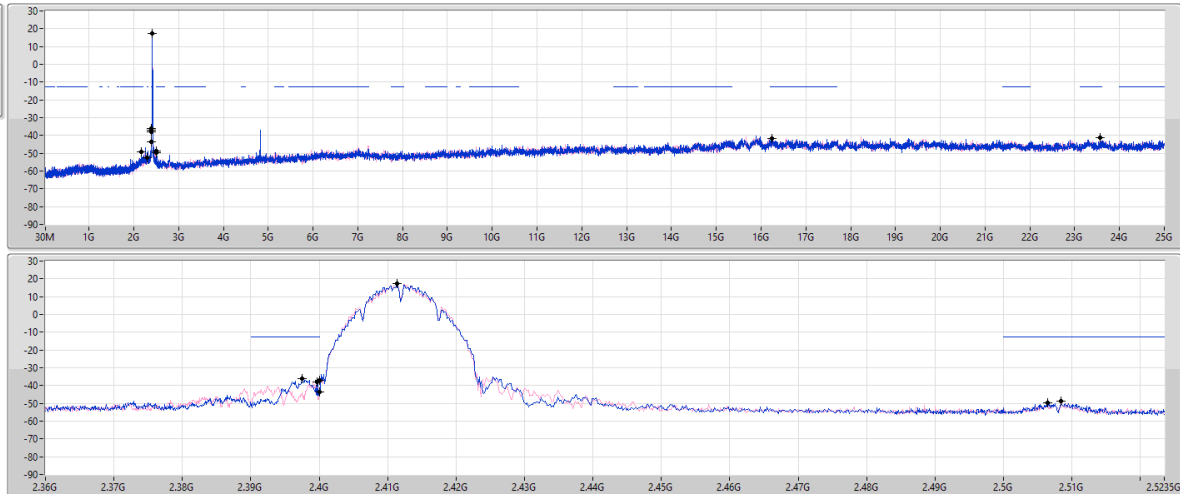
CSEndB

2412MHz

28/04/2025

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
2.41136G	17.32	-12.68	2.16079G	-48.99	2.39752G	-35.94	2.4G	-43.67	2.50646G	-49.74	23.57274G	-41.08	1
2.41136G	17.32	-12.68	2.30758G	-52.42	2.39968G	-38.20	2.4G	-37.25	2.50846G	-48.97	16.24259G	-41.49	2

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

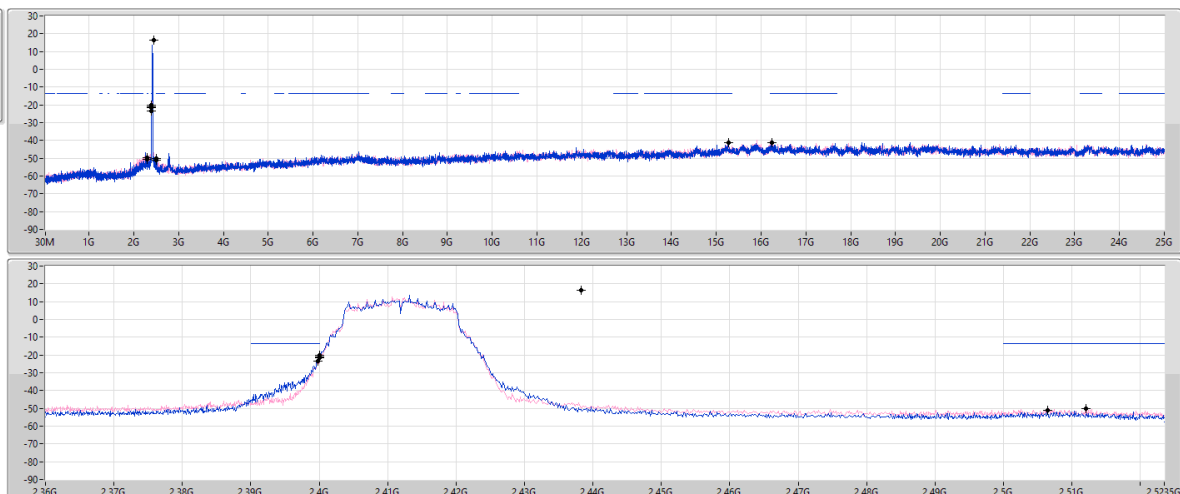
CSEndB

2412MHz

28/04/2025

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

Port 1
Port 2



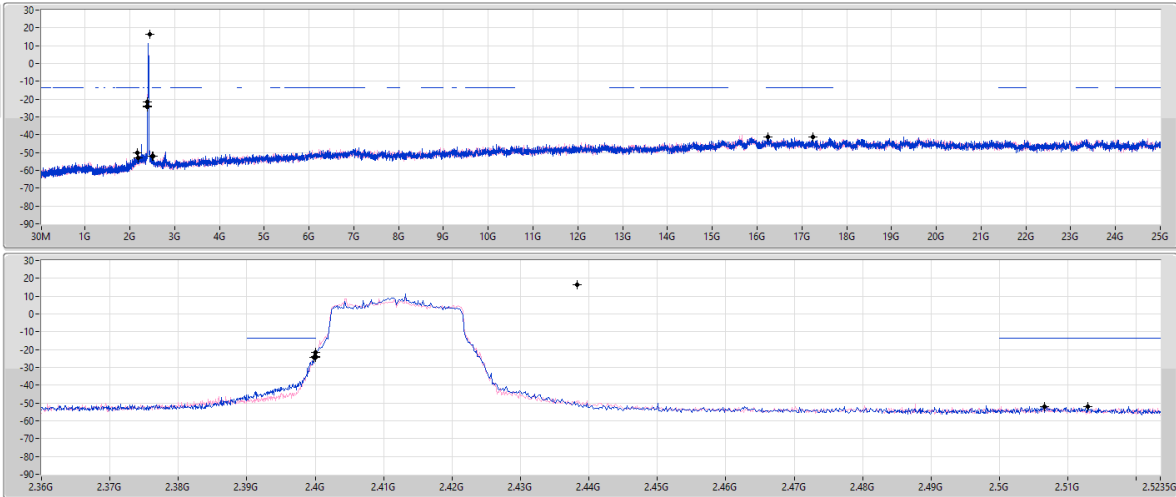
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	16.51	-13.49	2.30408G	-50.83	2.4G	-21.23	2.4G	-20.09	2.50646G	-51.28	16.2454G	-41.38	1
2.43824G	16.51	-13.49	2.30641G	-49.54	2.39984G	-23.26	2.4G	-21.48	2.51206G	-50.03	15.28172G	-41.15	2

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

CSEndB

2412MHz

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



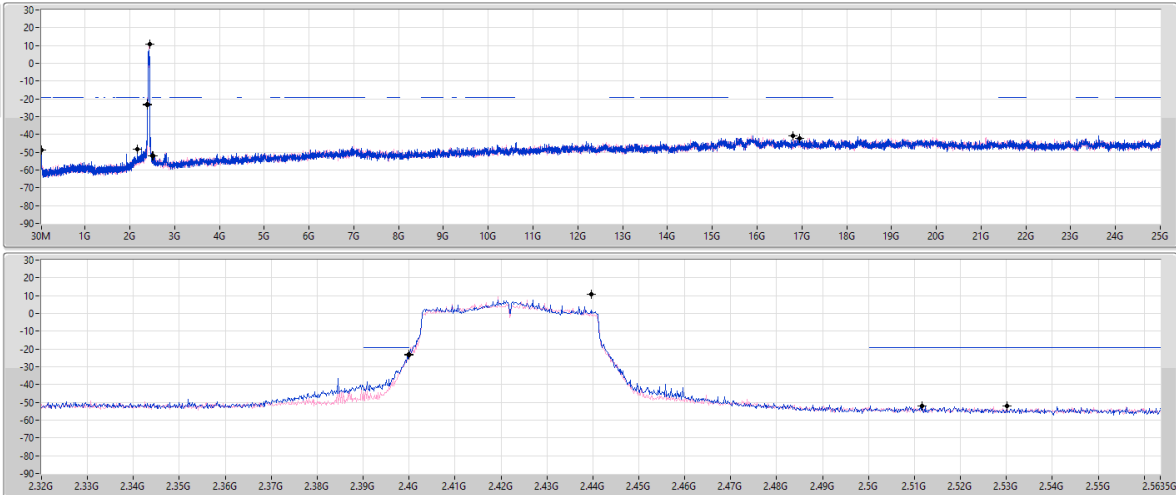
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	16.54	-13.46	2.16079G	-50.27	2.4G	-24.50	2.4G	-23.84	2.51286G	-51.86	17.24561G	-41.39	1
2.43824G	16.54	-13.46	2.19224G	-53.05	2.39984G	-24.19	2.4G	-21.58	2.50654G	-52.07	16.24821G	-41.42	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
2.43958G	10.66	-19.34	2.16085G	-48.27	2.4G	-23.38	2.4G	-23.12	2.51166G	-52.03	16.94249G	-42.37	1
2.43958G	10.66	-19.34	30M	-48.78	2.4G	-23.16	2.4G	-23.63	2.53006G	-52.05	16.80226G	-40.93	2



Summary

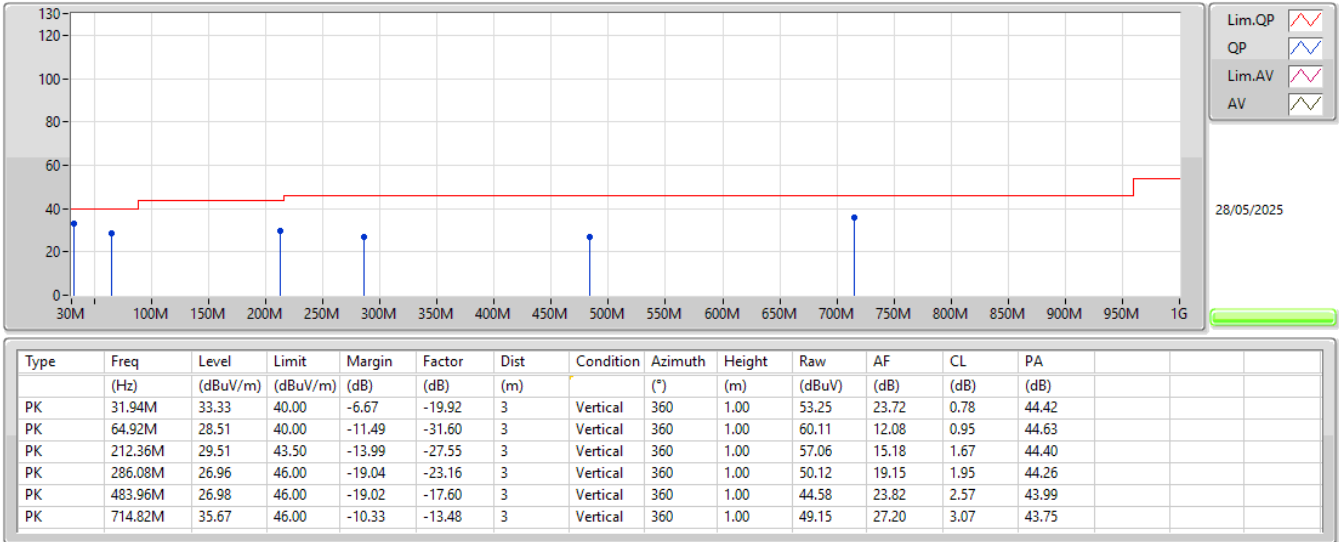
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	PK	33.88M	34.19	40.00	-5.81	3	Horizontal	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	31.94M	33.33	40.00	-6.67	3	Vertical	360	1.00
2437MHz	Pass	PK	64.92M	28.51	40.00	-11.49	3	Vertical	360	1.00
2437MHz	Pass	PK	212.36M	29.51	43.50	-13.99	3	Vertical	360	1.00
2437MHz	Pass	PK	286.08M	26.96	46.00	-19.04	3	Vertical	360	1.00
2437MHz	Pass	PK	483.96M	26.98	46.00	-19.02	3	Vertical	360	1.00
2437MHz	Pass	PK	714.82M	35.67	46.00	-10.33	3	Vertical	360	1.00
2437MHz	Pass	PK	33.88M	34.19	40.00	-5.81	3	Horizontal	0	1.00
2437MHz	Pass	PK	115.36M	33.45	43.50	-10.05	3	Horizontal	0	1.00
2437MHz	Pass	PK	222.06M	30.94	46.00	-15.06	3	Horizontal	0	1.00
2437MHz	Pass	PK	288.02M	31.98	46.00	-14.02	3	Horizontal	0	1.00
2437MHz	Pass	PK	338.46M	30.41	46.00	-15.59	3	Horizontal	0	1.00
2437MHz	Pass	PK	712.88M	33.71	46.00	-12.29	3	Horizontal	0	1.00

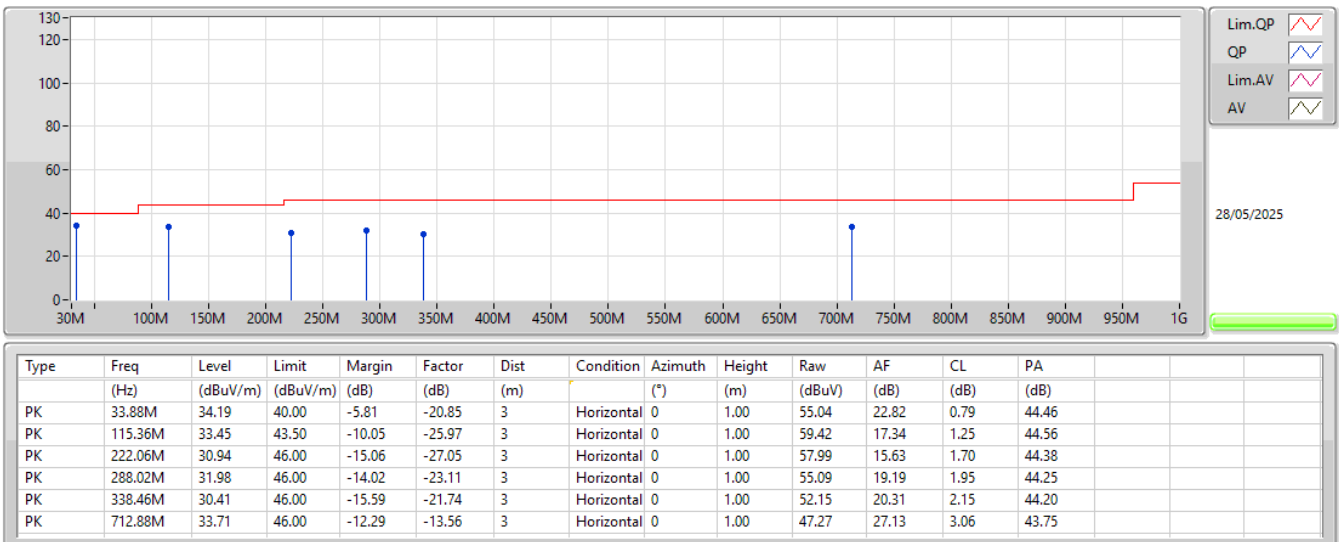
2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

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	2.4835G	53.17	54.00	-0.83	3	Vertical	151	1.06
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.39G	53.42	54.00	-0.58	3	Vertical	158	1.10
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.90	54.00	-0.10	3	Vertical	162	1.37
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	AV	2.4864G	53.90	54.00	-0.10	3	Vertical	150	1.30

Result

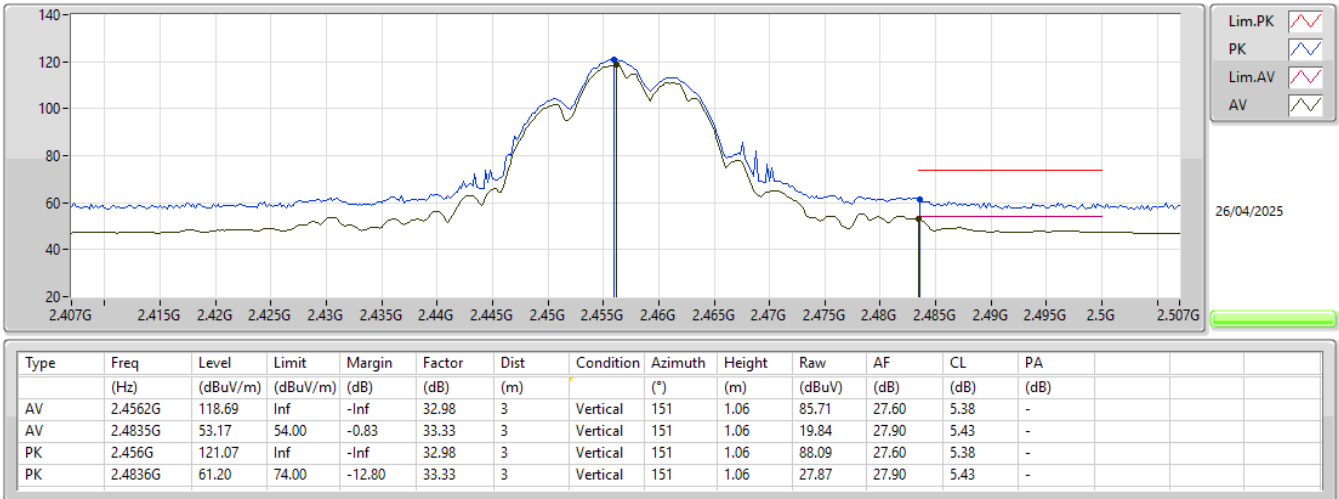
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389G	53.13	54.00	-0.87	3	Vertical	152	1.16
2412MHz	Pass	AV	2.4138G	117.72	Inf	-Inf	3	Vertical	152	1.16
2412MHz	Pass	PK	2.3886G	61.86	74.00	-12.14	3	Vertical	152	1.16
2412MHz	Pass	PK	2.4136G	120.01	Inf	-Inf	3	Vertical	152	1.16
2412MHz	Pass	AV	4.824G	45.13	54.00	-8.87	3	Vertical	14	1.16
2412MHz	Pass	PK	4.824G	49.60	74.00	-24.40	3	Vertical	14	1.16
2412MHz	Pass	AV	4.82394G	46.44	54.00	-7.56	3	Horizontal	203	3.00
2412MHz	Pass	PK	4.82406G	50.44	74.00	-23.56	3	Horizontal	203	3.00
2437MHz	Pass	AV	2.3398G	52.24	54.00	-1.76	3	Vertical	156	1.50
2437MHz	Pass	AV	2.4354G	117.85	Inf	-Inf	3	Vertical	156	1.50
2437MHz	Pass	AV	2.487G	47.03	54.00	-6.97	3	Vertical	156	1.50
2437MHz	Pass	PK	2.3394G	61.10	74.00	-12.90	3	Vertical	156	1.50
2437MHz	Pass	PK	2.4354G	120.24	Inf	-Inf	3	Vertical	156	1.50
2437MHz	Pass	PK	2.4866G	59.15	74.00	-14.85	3	Vertical	156	1.50
2437MHz	Pass	AV	4.87394G	46.22	54.00	-7.78	3	Vertical	9	1.09
2437MHz	Pass	AV	7.3128G	44.27	54.00	-9.73	3	Vertical	184	1.50
2437MHz	Pass	PK	4.87394G	50.44	74.00	-23.56	3	Vertical	9	1.09
2437MHz	Pass	PK	7.30746G	52.25	74.00	-21.75	3	Vertical	184	1.50
2437MHz	Pass	AV	4.87394G	48.18	54.00	-5.82	3	Horizontal	187	1.50
2437MHz	Pass	AV	7.31274G	48.49	54.00	-5.51	3	Horizontal	221	1.30
2437MHz	Pass	PK	4.874G	51.70	74.00	-22.30	3	Horizontal	187	1.50
2437MHz	Pass	PK	7.3131G	54.87	74.00	-19.13	3	Horizontal	221	1.30
2457MHz	Pass	AV	2.4562G	118.69	Inf	-Inf	3	Vertical	151	1.06
2457MHz	Pass	AV	2.4835G	53.17	54.00	-0.83	3	Vertical	151	1.06
2457MHz	Pass	PK	2.456G	121.07	Inf	-Inf	3	Vertical	151	1.06
2457MHz	Pass	PK	2.4836G	61.20	74.00	-12.80	3	Vertical	151	1.06
2462MHz	Pass	AV	2.4632G	118.05	Inf	-Inf	3	Vertical	157	1.03
2462MHz	Pass	AV	2.485G	52.13	54.00	-1.87	3	Vertical	157	1.03
2462MHz	Pass	PK	2.4628G	120.51	Inf	-Inf	3	Vertical	157	1.03
2462MHz	Pass	PK	2.4906G	62.79	74.00	-11.21	3	Vertical	157	1.03
2462MHz	Pass	AV	4.92394G	43.49	54.00	-10.51	3	Vertical	10	1.22
2462MHz	Pass	AV	7.38774G	42.56	54.00	-11.44	3	Vertical	181	1.64
2462MHz	Pass	PK	4.924G	48.92	74.00	-25.08	3	Vertical	10	1.22
2462MHz	Pass	PK	7.38732G	52.05	74.00	-21.95	3	Vertical	181	1.64
2462MHz	Pass	AV	4.924G	48.30	54.00	-5.70	3	Horizontal	208	2.20
2462MHz	Pass	AV	7.38768G	44.03	54.00	-9.97	3	Horizontal	220	1.50
2462MHz	Pass	PK	4.92388G	51.94	74.00	-22.06	3	Horizontal	208	2.20
2462MHz	Pass	PK	7.3878G	52.54	74.00	-21.46	3	Horizontal	220	1.50
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.42	54.00	-0.58	3	Vertical	158	1.10
2412MHz	Pass	AV	2.411G	113.24	Inf	-Inf	3	Vertical	158	1.10
2412MHz	Pass	PK	2.3896G	69.26	74.00	-4.74	3	Vertical	158	1.10
2412MHz	Pass	PK	2.4112G	121.29	Inf	-Inf	3	Vertical	158	1.10
2412MHz	Pass	AV	4.82544G	34.08	54.00	-19.92	3	Vertical	18	1.38
2412MHz	Pass	PK	4.82532G	47.06	74.00	-26.94	3	Vertical	18	1.38
2412MHz	Pass	AV	4.8258G	34.71	54.00	-19.29	3	Horizontal	190	1.50
2412MHz	Pass	PK	4.82562G	47.71	74.00	-26.29	3	Horizontal	190	1.50
2417MHz	Pass	AV	2.3892G	52.28	54.00	-1.72	3	Vertical	152	1.50
2417MHz	Pass	AV	2.4178G	113.86	Inf	-Inf	3	Vertical	152	1.50
2417MHz	Pass	PK	2.3892G	65.67	74.00	-8.33	3	Vertical	152	1.50
2417MHz	Pass	PK	2.4178G	121.82	Inf	-Inf	3	Vertical	152	1.50
2437MHz	Pass	AV	2.3518G	50.81	54.00	-3.19	3	Vertical	154	1.35
2437MHz	Pass	AV	2.4378G	115.14	Inf	-Inf	3	Vertical	154	1.35
2437MHz	Pass	AV	2.4835G	48.91	54.00	-5.09	3	Vertical	154	1.35
2437MHz	Pass	PK	2.3422G	61.56	74.00	-12.44	3	Vertical	154	1.35
2437MHz	Pass	PK	2.4382G	122.98	Inf	-Inf	3	Vertical	154	1.35
2437MHz	Pass	PK	2.4835G	60.80	74.00	-13.20	3	Vertical	154	1.35
2437MHz	Pass	AV	4.87586G	36.62	54.00	-17.38	3	Vertical	47	1.50
2437MHz	Pass	AV	7.3134G	40.22	54.00	-13.78	3	Vertical	182	1.76
2437MHz	Pass	PK	4.87646G	49.42	74.00	-24.58	3	Vertical	47	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2437MHz	Pass	PK	7.30764G	52.70	74.00	-21.30	3	Vertical	182	1.76
2437MHz	Pass	AV	4.8758G	38.35	54.00	-15.65	3	Horizontal	191	1.48
2437MHz	Pass	AV	7.3092G	41.54	54.00	-12.46	3	Horizontal	223	1.36
2437MHz	Pass	PK	4.87532G	51.37	74.00	-22.63	3	Horizontal	191	1.48
2437MHz	Pass	PK	7.30992G	54.03	74.00	-19.97	3	Horizontal	223	1.36
2457MHz	Pass	AV	2.456G	114.70	Inf	-Inf	3	Vertical	157	1.03
2457MHz	Pass	AV	2.4835G	51.37	54.00	-2.63	3	Vertical	157	1.03
2457MHz	Pass	PK	2.456G	122.68	Inf	-Inf	3	Vertical	157	1.03
2457MHz	Pass	PK	2.4876G	64.20	74.00	-9.80	3	Vertical	157	1.03
2462MHz	Pass	AV	2.4628G	113.54	Inf	-Inf	3	Vertical	152	1.04
2462MHz	Pass	AV	2.4835G	51.16	54.00	-2.84	3	Vertical	152	1.04
2462MHz	Pass	PK	2.4628G	121.37	Inf	-Inf	3	Vertical	152	1.04
2462MHz	Pass	PK	2.4835G	62.36	74.00	-11.64	3	Vertical	152	1.04
2462MHz	Pass	AV	4.92598G	36.29	54.00	-17.71	3	Vertical	50	1.50
2462MHz	Pass	AV	7.38606G	38.63	54.00	-15.37	3	Vertical	181	1.73
2462MHz	Pass	PK	4.92688G	48.67	74.00	-25.33	3	Vertical	50	1.50
2462MHz	Pass	PK	7.39464G	51.25	74.00	-22.75	3	Vertical	181	1.73
2462MHz	Pass	AV	4.9258G	36.94	54.00	-17.06	3	Horizontal	191	1.49
2462MHz	Pass	AV	7.38672G	39.16	54.00	-14.84	3	Horizontal	223	1.22
2462MHz	Pass	PK	4.9255G	49.48	74.00	-24.52	3	Horizontal	191	1.49
2462MHz	Pass	PK	7.38666G	51.83	74.00	-22.17	3	Horizontal	223	1.22
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.12	54.00	-0.88	3	Vertical	152	1.48
2412MHz	Pass	AV	2.4128G	109.26	Inf	-Inf	3	Vertical	152	1.48
2412MHz	Pass	PK	2.3896G	66.43	74.00	-7.57	3	Vertical	152	1.48
2412MHz	Pass	PK	2.4134G	119.67	Inf	-Inf	3	Vertical	152	1.48
2412MHz	Pass	AV	4.8276G	32.72	54.00	-21.28	3	Vertical	15	1.40
2412MHz	Pass	PK	4.8168G	45.47	74.00	-28.53	3	Vertical	15	1.40
2412MHz	Pass	AV	4.82934G	33.15	54.00	-20.85	3	Horizontal	189	1.35
2412MHz	Pass	PK	4.82844G	45.65	74.00	-28.35	3	Horizontal	189	1.35
2417MHz	Pass	AV	2.39G	53.90	54.00	-0.10	3	Vertical	162	1.37
2417MHz	Pass	AV	2.4162G	112.95	Inf	-Inf	3	Vertical	162	1.37
2417MHz	Pass	PK	2.3896G	67.10	74.00	-6.90	3	Vertical	162	1.37
2417MHz	Pass	PK	2.4162G	124.87	Inf	-Inf	3	Vertical	162	1.37
2437MHz	Pass	AV	2.3518G	49.58	54.00	-4.42	3	Vertical	195	1.05
2437MHz	Pass	AV	2.4378G	114.49	Inf	-Inf	3	Vertical	195	1.05
2437MHz	Pass	AV	2.4835G	49.21	54.00	-4.79	3	Vertical	195	1.05
2437MHz	Pass	PK	2.3406G	61.75	74.00	-12.25	3	Vertical	195	1.05
2437MHz	Pass	PK	2.4366G	124.97	Inf	-Inf	3	Vertical	195	1.05
2437MHz	Pass	PK	2.4978G	62.36	74.00	-11.64	3	Vertical	195	1.05
2437MHz	Pass	AV	4.87982G	35.58	54.00	-18.42	3	Vertical	14	1.48
2437MHz	Pass	AV	7.311G	40.26	54.00	-13.74	3	Vertical	181	1.76
2437MHz	Pass	PK	4.88024G	48.71	74.00	-25.29	3	Vertical	14	1.48
2437MHz	Pass	PK	7.31364G	53.65	74.00	-20.35	3	Vertical	181	1.76
2437MHz	Pass	AV	4.87832G	37.06	54.00	-16.94	3	Horizontal	191	1.49
2437MHz	Pass	AV	7.31238G	41.24	54.00	-12.76	3	Horizontal	217	1.50
2437MHz	Pass	PK	4.87712G	49.92	74.00	-24.08	3	Horizontal	191	1.49
2437MHz	Pass	PK	7.31412G	54.17	74.00	-19.83	3	Horizontal	217	1.50
2457MHz	Pass	AV	2.4562G	114.19	Inf	-Inf	3	Vertical	162	1.02
2457MHz	Pass	AV	2.491G	53.68	54.00	-0.32	3	Vertical	162	1.02
2457MHz	Pass	PK	2.4552G	124.80	Inf	-Inf	3	Vertical	162	1.02
2457MHz	Pass	PK	2.491G	71.18	74.00	-2.82	3	Vertical	162	1.02
2462MHz	Pass	AV	2.4612G	112.57	Inf	-Inf	3	Vertical	161	1.03
2462MHz	Pass	AV	2.4835G	53.39	54.00	-0.61	3	Vertical	161	1.03
2462MHz	Pass	PK	2.4614G	124.03	Inf	-Inf	3	Vertical	161	1.03
2462MHz	Pass	PK	2.4844G	65.66	74.00	-8.34	3	Vertical	161	1.03
2462MHz	Pass	AV	4.93048G	34.92	54.00	-19.08	3	Vertical	11	1.35
2462MHz	Pass	AV	7.3788G	37.85	54.00	-16.15	3	Vertical	180	1.43
2462MHz	Pass	PK	4.93072G	46.96	74.00	-27.04	3	Vertical	11	1.35
2462MHz	Pass	PK	7.37748G	51.45	74.00	-22.55	3	Vertical	180	1.43
2462MHz	Pass	AV	4.92976G	35.88	54.00	-18.12	3	Horizontal	191	1.54
2462MHz	Pass	AV	7.3794G	38.54	54.00	-15.46	3	Horizontal	218	1.49

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	PK	4.9285G	48.28	74.00	-25.72	3	Horizontal	191	1.54
2462MHz	Pass	PK	7.37694G	50.78	74.00	-23.22	3	Horizontal	218	1.49
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	53.33	54.00	-0.67	3	Vertical	197	1.00
2422MHz	Pass	AV	2.4228G	107.25	Inf	-Inf	3	Vertical	197	1.00
2422MHz	Pass	AV	2.4848G	48.18	54.00	-5.82	3	Vertical	197	1.00
2422MHz	Pass	PK	2.3852G	70.38	74.00	-3.62	3	Vertical	197	1.00
2422MHz	Pass	PK	2.4208G	117.89	Inf	-Inf	3	Vertical	197	1.00
2422MHz	Pass	PK	2.496G	60.02	74.00	-13.98	3	Vertical	197	1.00
2422MHz	Pass	AV	4.84888G	32.30	54.00	-21.70	3	Vertical	19	1.44
2422MHz	Pass	AV	7.25142G	38.19	54.00	-15.81	3	Vertical	212	1.50
2422MHz	Pass	PK	4.85752G	45.81	74.00	-28.19	3	Vertical	19	1.44
2422MHz	Pass	PK	7.25106G	50.68	74.00	-23.32	3	Vertical	212	1.50
2422MHz	Pass	AV	4.85008G	33.02	54.00	-20.98	3	Horizontal	188	2.40
2422MHz	Pass	AV	7.25232G	38.10	54.00	-15.90	3	Horizontal	29	1.50
2422MHz	Pass	PK	4.8344G	45.50	74.00	-28.50	3	Horizontal	188	2.40
2422MHz	Pass	PK	7.25682G	52.08	74.00	-21.92	3	Horizontal	29	1.50
2427MHz	Pass	AV	2.3846G	53.61	54.00	-0.39	3	Vertical	196	1.02
2427MHz	Pass	AV	2.4278G	108.92	Inf	-Inf	3	Vertical	196	1.02
2427MHz	Pass	AV	2.4862G	48.51	54.00	-5.49	3	Vertical	196	1.02
2427MHz	Pass	PK	2.3898G	73.04	74.00	-0.96	3	Vertical	196	1.02
2427MHz	Pass	PK	2.429G	119.85	Inf	-Inf	3	Vertical	196	1.02
2427MHz	Pass	PK	2.4842G	60.42	74.00	-13.58	3	Vertical	196	1.02
2437MHz	Pass	AV	2.3898G	53.37	54.00	-0.63	3	Vertical	160	1.61
2437MHz	Pass	AV	2.4358G	110.00	Inf	-Inf	3	Vertical	160	1.61
2437MHz	Pass	AV	2.4835G	49.34	54.00	-4.66	3	Vertical	160	1.61
2437MHz	Pass	PK	2.3898G	69.12	74.00	-4.88	3	Vertical	160	1.61
2437MHz	Pass	PK	2.4338G	120.88	Inf	-Inf	3	Vertical	160	1.61
2437MHz	Pass	PK	2.4866G	61.95	74.00	-12.05	3	Vertical	160	1.61
2437MHz	Pass	AV	4.8794G	33.48	54.00	-20.52	3	Vertical	14	1.50
2437MHz	Pass	AV	7.29606G	38.08	54.00	-15.92	3	Vertical	183	1.50
2437MHz	Pass	PK	4.87904G	46.08	74.00	-27.92	3	Vertical	14	1.50
2437MHz	Pass	PK	7.30422G	51.00	74.00	-23.00	3	Vertical	183	1.50
2437MHz	Pass	AV	4.8797G	34.36	54.00	-19.64	3	Horizontal	187	1.50
2437MHz	Pass	AV	7.29612G	38.44	54.00	-15.56	3	Horizontal	218	2.57
2437MHz	Pass	PK	4.88012G	47.66	74.00	-26.34	3	Horizontal	187	1.50
2437MHz	Pass	PK	7.31334G	51.55	74.00	-22.45	3	Horizontal	218	2.57
2447MHz	Pass	AV	2.3518G	48.64	54.00	-5.36	3	Vertical	163	1.12
2447MHz	Pass	AV	2.4462G	108.83	Inf	-Inf	3	Vertical	163	1.12
2447MHz	Pass	AV	2.4835G	53.23	54.00	-0.77	3	Vertical	163	1.12
2447MHz	Pass	PK	2.3818G	60.41	74.00	-13.59	3	Vertical	163	1.12
2447MHz	Pass	PK	2.4442G	120.47	Inf	-Inf	3	Vertical	163	1.12
2447MHz	Pass	PK	2.4835G	65.89	74.00	-8.11	3	Vertical	163	1.12
2452MHz	Pass	AV	2.352G	49.99	54.00	-4.01	3	Vertical	150	1.30
2452MHz	Pass	AV	2.4532G	108.77	Inf	-Inf	3	Vertical	150	1.30
2452MHz	Pass	AV	2.4864G	53.90	54.00	-0.10	3	Vertical	150	1.30
2452MHz	Pass	PK	2.3552G	61.55	74.00	-12.45	3	Vertical	150	1.30
2452MHz	Pass	PK	2.4536G	120.03	Inf	-Inf	3	Vertical	150	1.30
2452MHz	Pass	PK	2.4864G	67.85	74.00	-6.15	3	Vertical	150	1.30
2452MHz	Pass	AV	4.89242G	33.38	54.00	-20.62	3	Vertical	49	1.44
2452MHz	Pass	AV	7.35834G	37.95	54.00	-16.05	3	Vertical	167	1.62
2452MHz	Pass	PK	4.8935G	45.83	74.00	-28.17	3	Vertical	49	1.44
2452MHz	Pass	PK	7.35894G	50.63	74.00	-23.37	3	Vertical	167	1.62
2452MHz	Pass	AV	4.9073G	34.46	54.00	-19.54	3	Horizontal	185	2.14
2452MHz	Pass	AV	7.35942G	38.19	54.00	-15.81	3	Horizontal	216	1.50
2452MHz	Pass	PK	4.9082G	47.16	74.00	-26.84	3	Horizontal	185	2.14
2452MHz	Pass	PK	7.35774G	51.20	74.00	-22.80	3	Horizontal	216	1.50

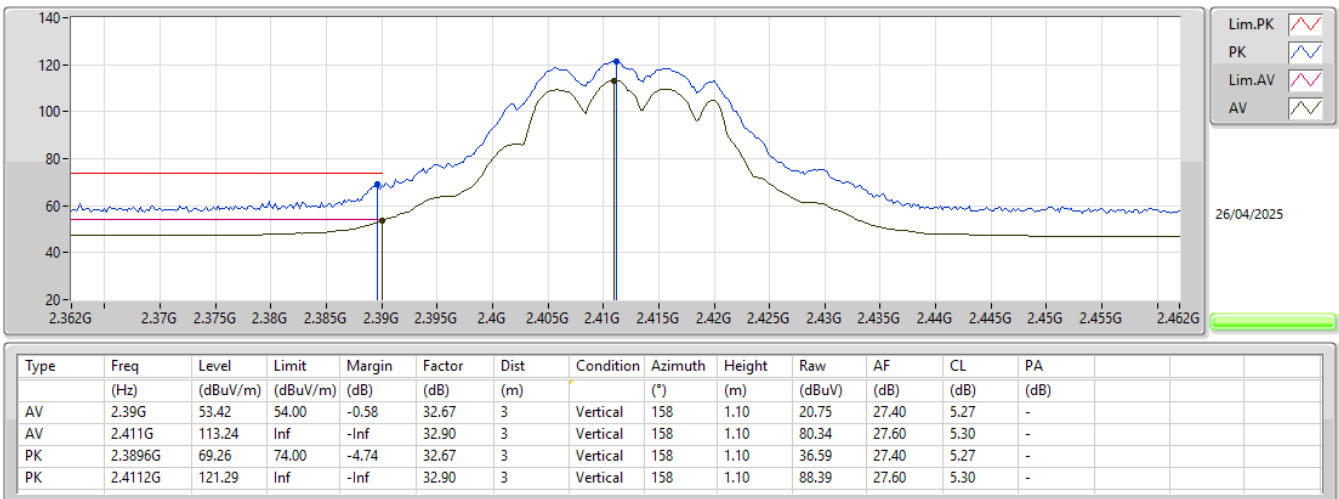
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX



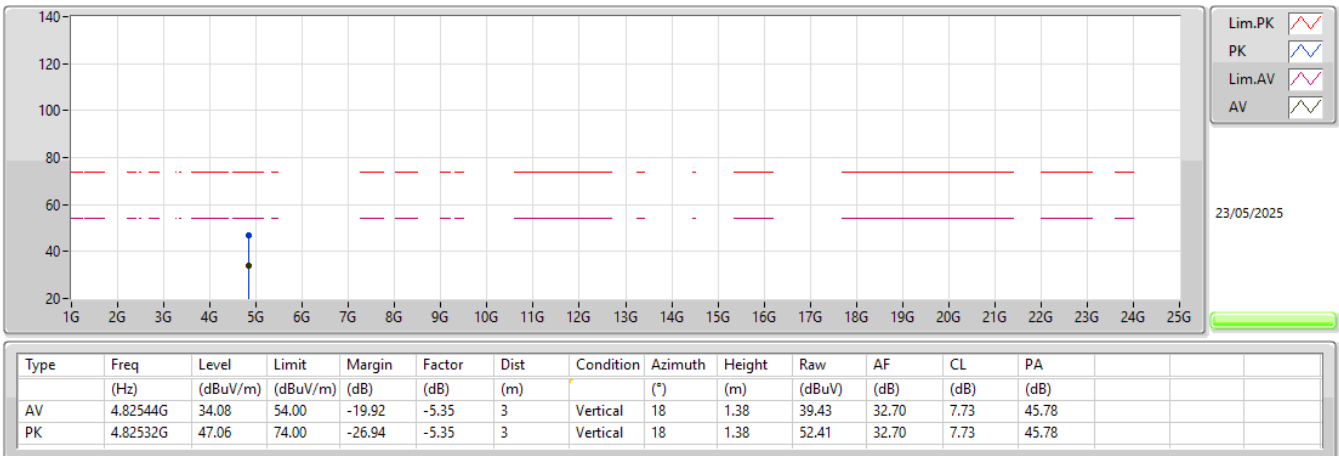
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2412MHz_TX



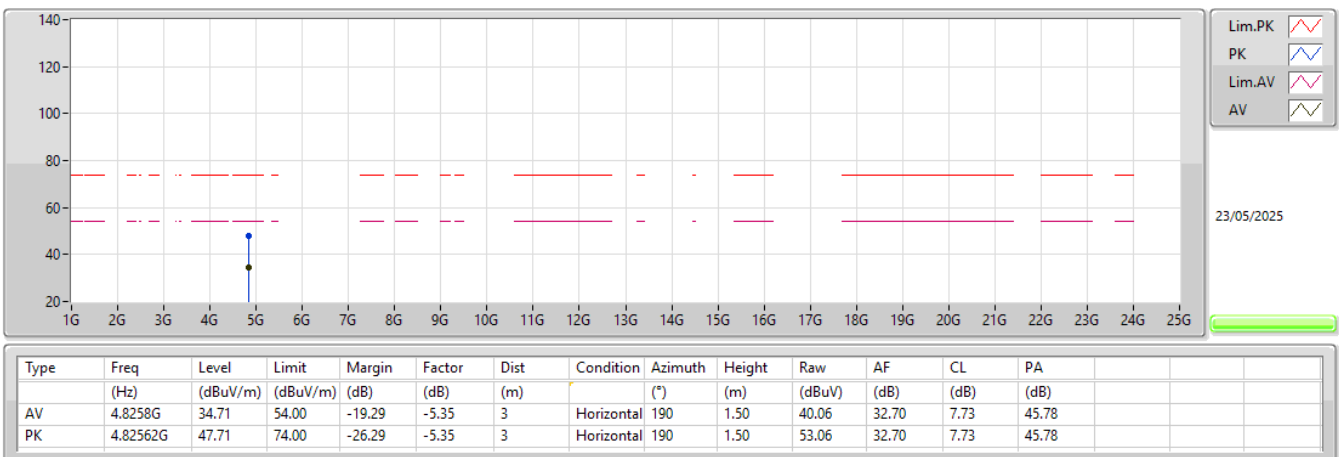
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2412MHz_TX



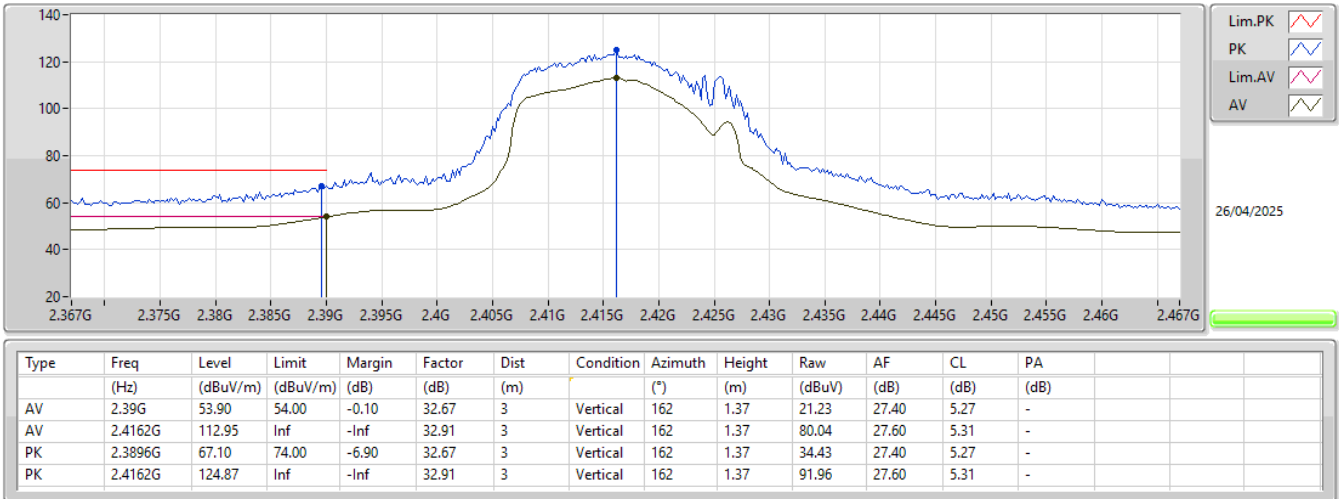
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2412MHz_TX



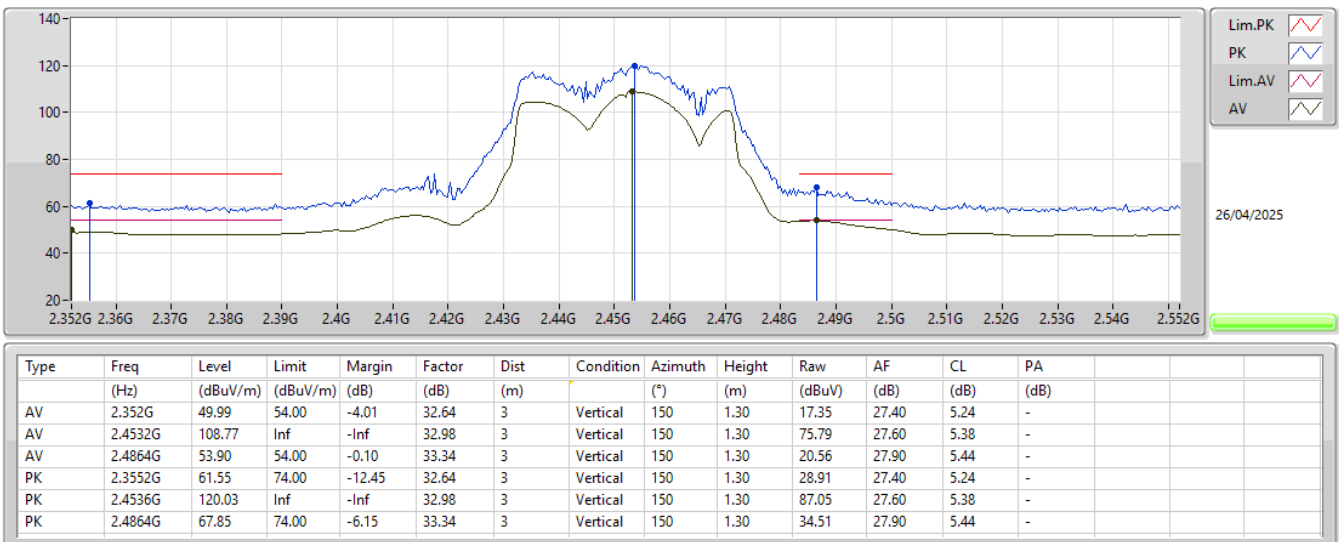
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2417MHz_TX



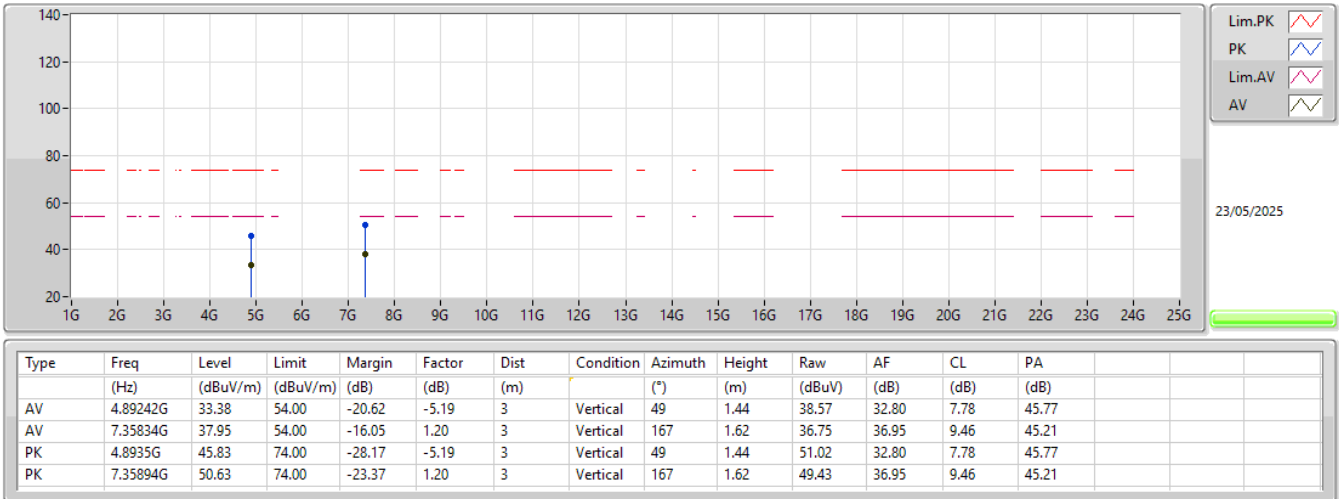
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2452MHz_TX



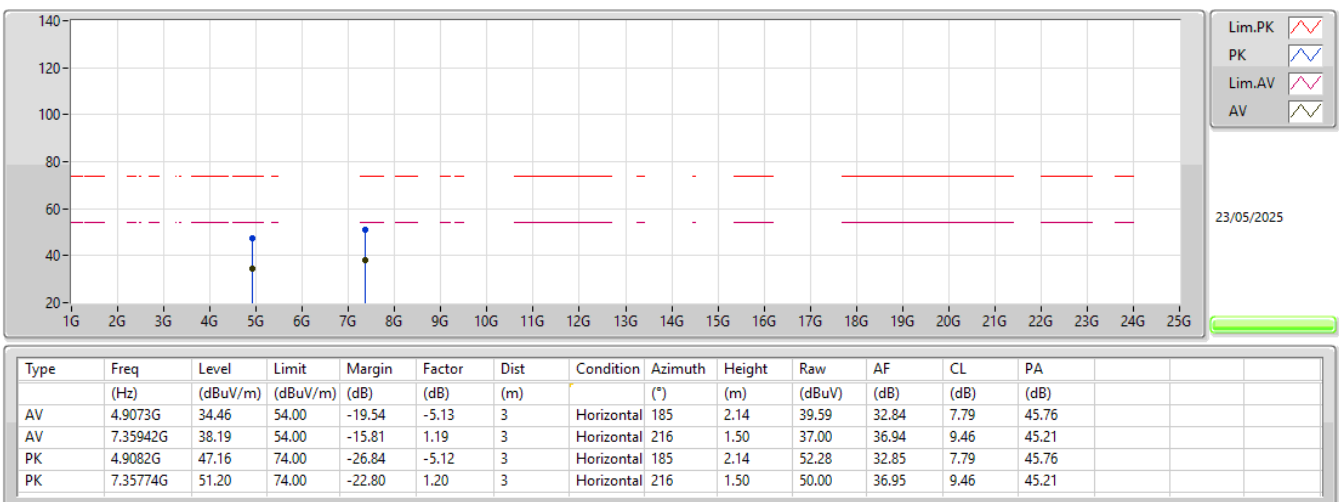
2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

2452MHz_TX



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

2452MHz_TX





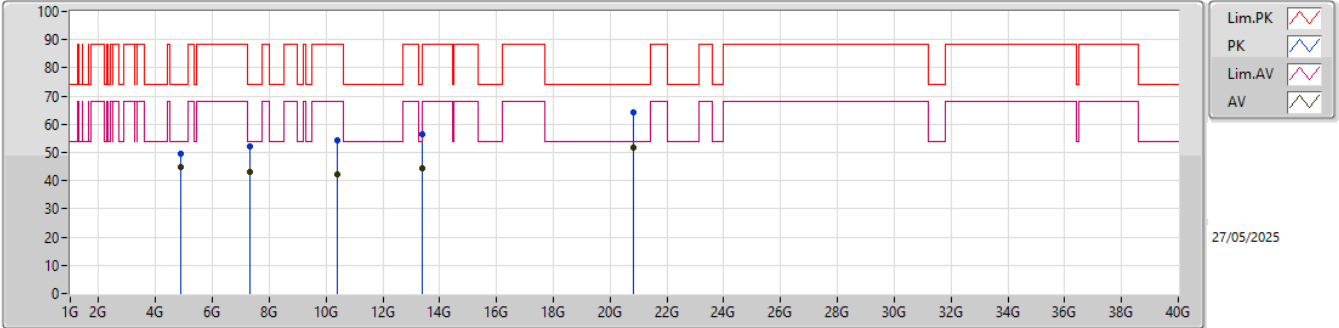
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	20.79452G	52.73	54.00	-1.27	Horizontal

Result

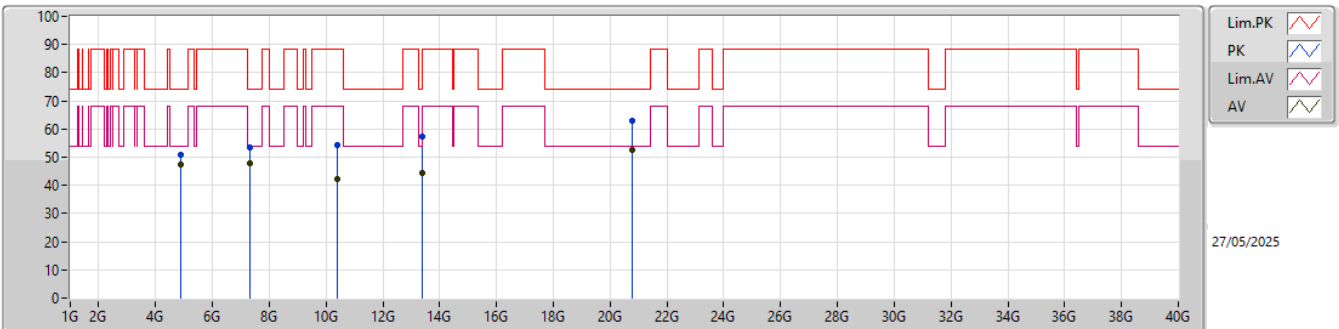
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.87402G	44.86	54.00	-9.14	3	Vertical	10	1.10	-
Mode 1	Pass	AV	7.31276G	43.16	54.00	-10.84	3	Vertical	184	1.45	-
Mode 1	Pass	AV	10.4085G	42.27	68.20	-25.93	3	Vertical	11	1.82	-
Mode 1	Pass	AV	13.3932G	44.43	54.00	-9.57	3	Vertical	278	1.50	-
Mode 1	Pass	AV	20.81946G	51.89	54.00	-2.11	3	Vertical	356	1.62	-
Mode 1	Pass	PK	4.87384G	49.59	74.00	-24.41	3	Vertical	10	1.10	-
Mode 1	Pass	PK	7.3128G	52.27	74.00	-21.73	3	Vertical	184	1.45	-
Mode 1	Pass	PK	10.40602G	54.22	88.20	-33.98	3	Vertical	11	1.82	-
Mode 1	Pass	PK	13.38916G	56.26	74.00	-17.74	3	Vertical	278	1.50	-
Mode 1	Pass	PK	20.81897G	64.27	74.00	-9.73	3	Vertical	356	1.62	-
Mode 1	Pass	AV	4.87402G	47.53	54.00	-6.47	3	Horizontal	186	2.23	-
Mode 1	Pass	AV	7.31276G	47.86	54.00	-6.14	3	Horizontal	216	1.50	-
Mode 1	Pass	AV	10.40392G	42.44	68.20	-25.76	3	Horizontal	335	1.49	-
Mode 1	Pass	AV	13.39438G	44.40	54.00	-9.60	3	Horizontal	229	1.50	-
Mode 1	Pass	AV	20.79452G	52.73	54.00	-1.27	3	Horizontal	89	1.70	-
Mode 1	Pass	PK	4.87396G	50.69	74.00	-23.31	3	Horizontal	186	2.23	-
Mode 1	Pass	PK	7.31308G	53.37	74.00	-20.63	3	Horizontal	216	1.50	-
Mode 1	Pass	PK	10.40776G	54.51	88.20	-33.69	3	Horizontal	335	1.49	-
Mode 1	Pass	PK	13.38948G	57.37	74.00	-16.63	3	Horizontal	229	1.50	-
Mode 1	Pass	PK	20.79392G	62.77	74.00	-11.23	3	Horizontal	89	1.70	-

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)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.87402G	44.86	54.00	-9.14	-5.20	3	Vertical	10	1.10	-	50.06	32.80	7.77	45.77
AV	7.31276G	43.16	54.00	-10.84	1.25	3	Vertical	184	1.45	-	41.91	37.07	9.46	45.28
AV	10.4085G	42.27	68.20	-25.93	7.08	3	Vertical	11	1.82	-	35.19	38.68	11.44	43.04
AV	13.3932G	44.43	54.00	-9.57	10.29	3	Vertical	278	1.50	-	34.14	39.99	12.90	42.60
AV	20.81946G	51.89	54.00	-2.11	-18.68	3	Vertical	356	1.62	-	70.57	38.20	15.98	63.32
PK	4.87384G	49.59	74.00	-24.41	-5.20	3	Vertical	10	1.10	-	54.79	32.80	7.77	45.77
PK	7.3128G	52.27	74.00	-21.73	1.25	3	Vertical	184	1.45	-	51.02	37.07	9.46	45.28
PK	10.40602G	54.22	88.20	-33.98	7.08	3	Vertical	11	1.82	-	47.14	38.69	11.44	43.05
PK	13.38916G	56.26	74.00	-17.74	10.28	3	Vertical	278	1.50	-	45.98	39.98	12.90	42.60
PK	20.81897G	64.27	74.00	-9.73	-18.68	3	Vertical	356	1.62	-	82.95	38.20	15.98	63.32

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)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.87402G	47.53	54.00	-6.47	-5.20	3	Horizontal	186	2.23	-	52.73	32.80	7.77	45.77
AV	7.31276G	47.86	54.00	-6.14	1.25	3	Horizontal	216	1.50	-	46.61	37.07	9.46	45.28
AV	10.40392G	42.44	68.20	-25.76	7.08	3	Horizontal	335	1.49	-	35.36	38.69	11.44	43.05
AV	13.39438G	44.40	54.00	-9.60	10.29	3	Horizontal	229	1.50	-	34.11	39.99	12.90	42.60
AV	20.79452G	52.73	54.00	-1.27	-18.73	3	Horizontal	89	1.70	-	71.46	38.20	15.96	63.35
PK	4.87396G	50.69	74.00	-23.31	-5.20	3	Horizontal	186	2.23	-	55.89	32.80	7.77	45.77
PK	7.31308G	53.37	74.00	-20.63	1.25	3	Horizontal	216	1.50	-	52.12	37.07	9.46	45.28
PK	10.40776G	54.51	88.20	-33.69	7.07	3	Horizontal	335	1.49	-	47.44	38.68	11.44	43.05
PK	13.38948G	57.37	74.00	-16.63	10.28	3	Horizontal	229	1.50	-	47.09	39.98	12.90	42.60
PK	20.79392G	62.77	74.00	-11.23	-18.73	3	Horizontal	89	1.70	-	81.50	38.20	15.96	63.35