

FCC Radio Test Report

FCC ID : PPQ-WRB8326
Equipment : Wi-Fi 7 Tri-Band Mesh Router
Brand Name : LITEON
Model Name : WRB8326A, WRB8326B, WRB8326C, WRB8326D
Applicant : LITE-ON TECHNOLOGY CORP.
Bldg. C, 90, Chien 1 Road, Chung Ho, New Taipei City
23585, Taiwan, R.O.C.
Manufacturer : LITE-ON TECHNOLOGY CORP.
Bldg. C, 90, Chien 1 Road, Chung Ho, New Taipei City
23585, Taiwan, R.O.C.
Standard : 47 CFR FCC Part 15.247

The product was received on Aug. 29, 2024, and testing was started from Sep. 02, 2024 and completed on Oct. 05, 2024. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



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History of this test report

Report No.	Version	Description	Issued Date
FR482702AC	01	Initial issue of report	Oct. 23, 2024

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Ben Tseng

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax(HEW20), be(EHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax(HEW40), be(EHT40)	2422-2452	3-9 [7]

Non-Beamforming

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

Beamforming

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

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Remark
1	LITEON	20301-002000A000	PIFA	I-Pex	2.4G+5G	-
2	LITEON	20301-002020A000	PIFA	I-Pex	2.4G+5G	-
3	LITEON	20301-002030A000	Monopole	I-Pex	6G	-
4	LITEON	20301-002040A000	Monopole	I-Pex	6G	-
5	LITEON	20301-002010A000	Dipole	I-Pex	BT/Zigbee/Thread	-

Ant.	Port	Gain (dBi)						BT/Zigbee/ Thread
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5~8	
1	1	2.35	2.35	2.46	3.44	3.72	-	-
2	2	2.33	2.51	2.18	3.35	3.43	-	-
3	1	-	-	-	-	-	3.19	-
4	2	-	-	-	-	-	3.7	-
5	1	-	-	-	-	-	-	4.67

Composite Gain (dBi)					
	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3
DG [1SS]	2.69	4.1	4.57	5.27	4.74
DG [2SS]	2.35	2.51	2.46	3.44	3.72

Note 1: The EUT has five antennas.

Note 2: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP482702.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

For 6GHz function:

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

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

For BT function:

For IEEE 802.15.1 mode (1TX/1RX)

Ant. 5 could transmit/receive.

For Zigbee/Thread function:

For IEEE 802.15.4 mode (1TX/1RX)

Ant. 5 could transmit/receive.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
Beamforming Function	☒ With beamforming	☐ Without beamforming	
Resource Unit	☒ Full RU	☐ Partial RU	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.:		...
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		...
☐	Other:		

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11b_Nss1,(1Mbps)_2TX	0.999	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_2TX	0.993	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_2TX	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40_Nss1,(MCS0)_2TX	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)

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

Beamforming

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11be EHT20-BF_Nss1,(MCS0)_2TX	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40-BF_Nss1,(MCS0)_2TX	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	SKU	5GE	2.5GE	USB 2.0	IoT(2.4G)
LITEON	WRB8326A	SKU 1	V	V	V	V
	WRB8326B	SKU 2	V	V	-	V
	WRB8326C	SKU 3	V	-	-	V
	WRB8326D	SKU 4	-	V	-	V

From the above models, model: WRB8326A was selected as representative model for the test and its data was recorded in this report.

1.2 Testing Applied Standards

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

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

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

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 662911 D01 v02r01
- ♦ KDB 662911 D03 v01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Simon Cheng	22.3~23.5°C / 54~58%	05/Oct/2024
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Johnny Yu	23.5~24.1°C / 57~60%	20/Sep/2024~21/Sep/2024
Radiated_ below 1GHz	03CH24-HY	Lego Lin	21.4~23.5°C / 56~60%	20/Sep/2024
Radiated_ above 1GHz	03CH25-HY	Lego Lin	21.4~23.5°C / 56~60%	02/Sep/2024~20/Sep/2024
Radiated_ Co-location for Mode 1	03CH25-HY	Ivan Chung	23~25°C / 55~56%	25/Sep/2024
Radiated_ Co-location for Mode 2	03CH24-HY	Ivan Chung	21.3~22.1°C / 56~52%	04/Oct/2024

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Emissions in Non-restricted Frequency Bands	0.14 dB	Confidence levels of 95%
Emissions in Restricted Frequency Bands	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	Qualcomm Sequence Profiling Resource Version 6.00.00142.1
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Non-Beamforming

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	23.5
2417MHz	23.5
2437MHz	23.5
2457MHz	23.5
2462MHz	23.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	20.5
2417MHz	22
2437MHz	24.5
2457MHz	21.5
2462MHz	20.5
802.11be EHT20_Nss1,(MCS0)_2TX	-
2412MHz	21
2417MHz	21.5
2437MHz	23.5
2457MHz	22
2462MHz	20
802.11be EHT40_Nss1,(MCS0)_2TX	-
2422MHz	19.5
2427MHz	20
2437MHz	20.5
2447MHz	19.5
2452MHz	19.5

**Beamforming**

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	21
2417MHz	21.5
2437MHz	23.5
2457MHz	22
2462MHz	20
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-
2422MHz	19.5
2427MHz	20
2437MHz	20.5
2447MHz	19.5
2452MHz	19.5

2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated measurement Co-location
Operating Mode	CTX
1	WLAN 2.4G + 5G + 6G + Bluetooth
2	WLAN 2.4G + 5G + 6G + 802.15.4
Refer to Sporton Test Report No.: FA482702 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
AC Adapter (US)	Brand Name	RISUNIC	Model Name	R0183-1202500US
	Power Rating	I/P: 100 - 240Vac, 1.5A A, O/P:12Vdc, 2.5A		
	Power Cord	1.5 meter, non-shielded cable, with w/o ferrite core		

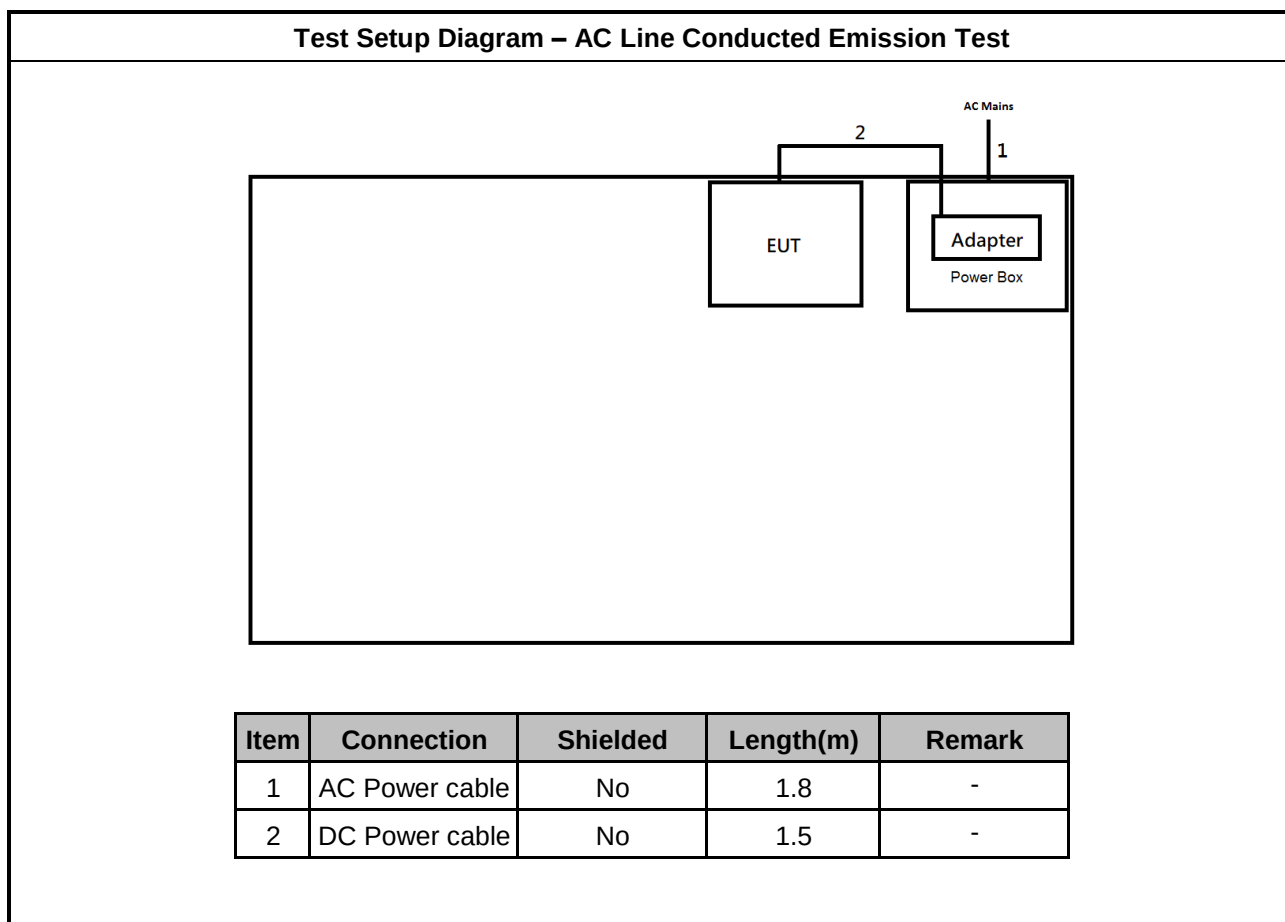
Reminder: Regarding to more detail and other information, please refer to user manual.

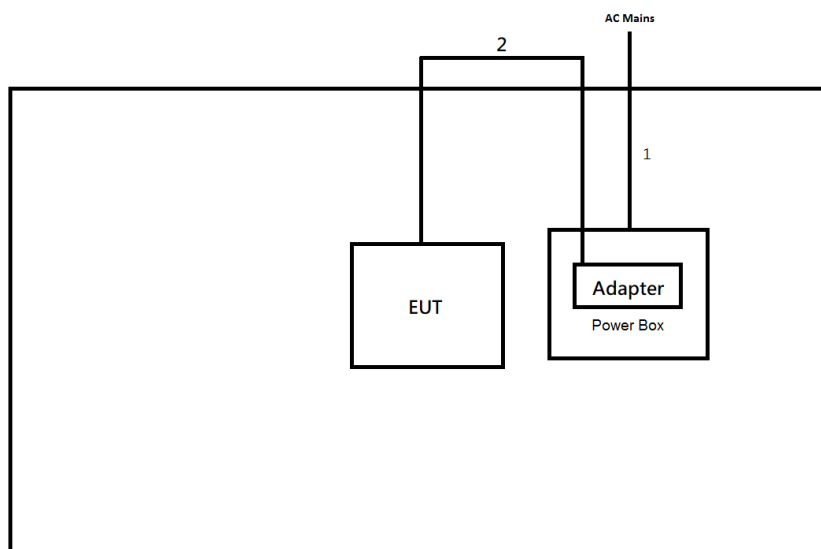
2.4 Support Equipment

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	RJ45 Cable	Power sync	CAT-6E-10	-	-

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test


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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

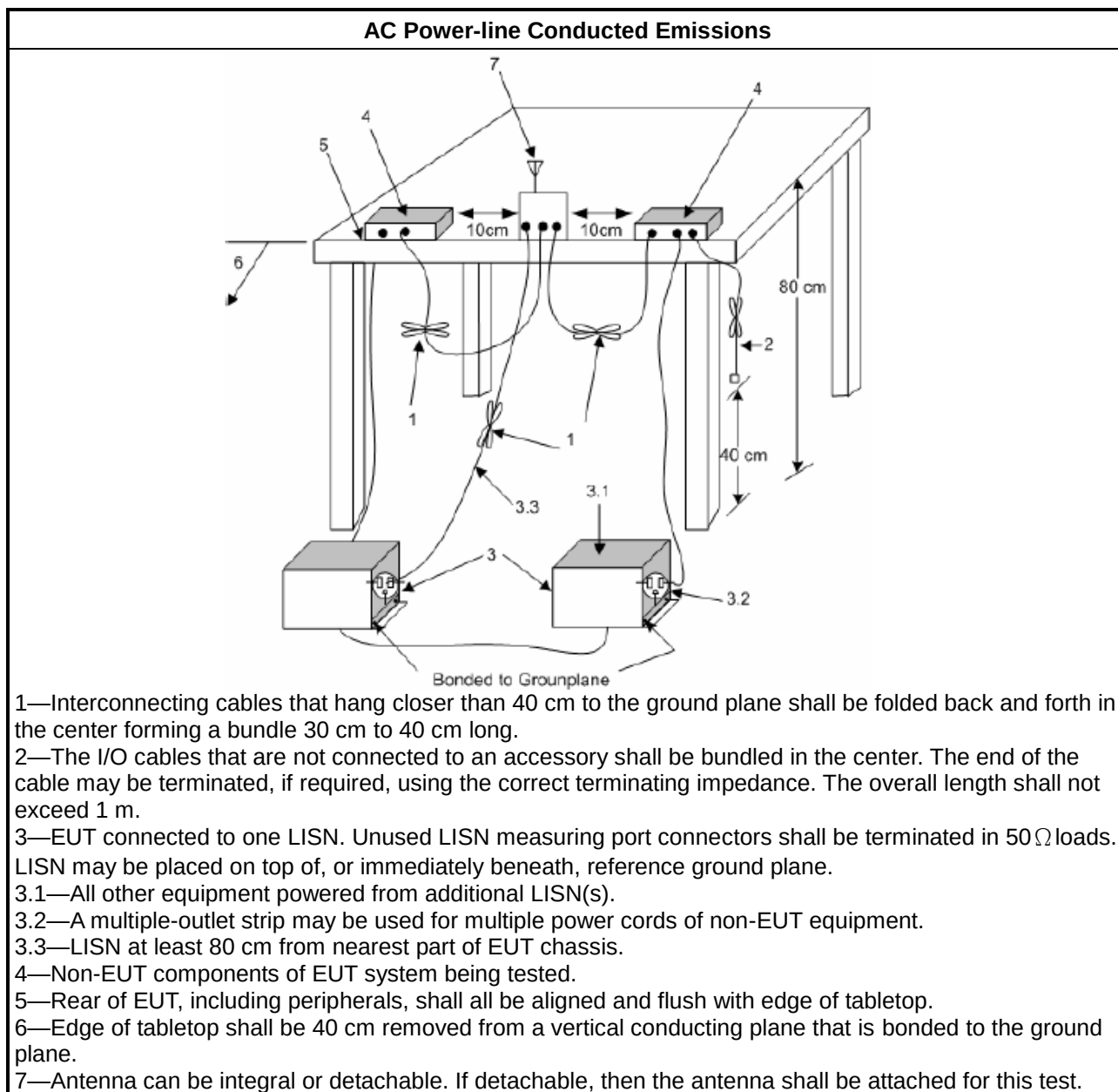
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

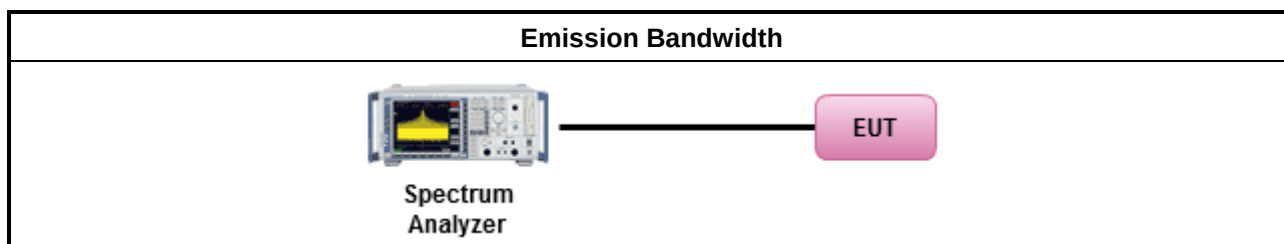
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dBm
e.i.r.p. Power Limit:	
	2400-2483.5 MHz Band
	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	Smart antenna system (SAS)
	- Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

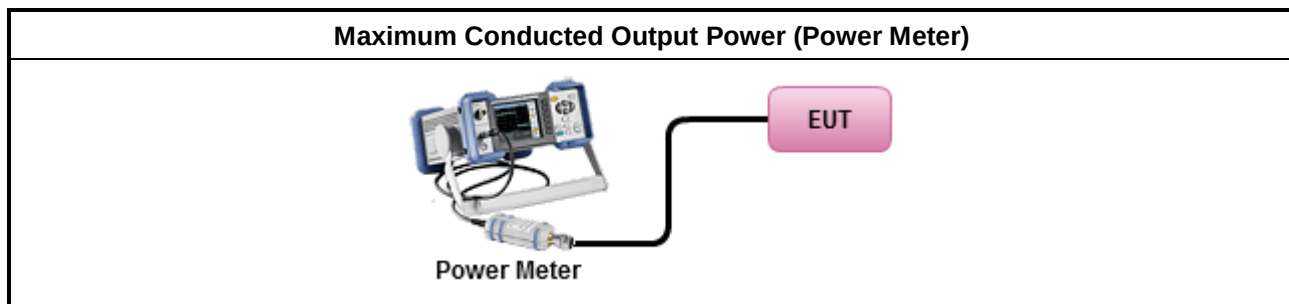
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

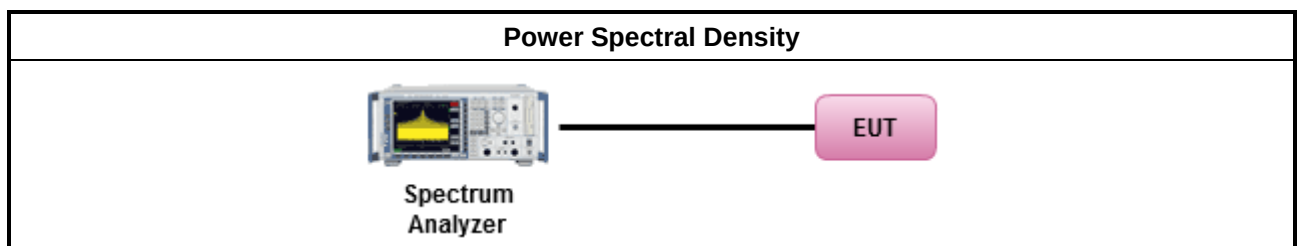
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪	Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
▪	For conducted measurement.
▪	If The EUT supports multiple transmit chains using options given below:
▪	Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

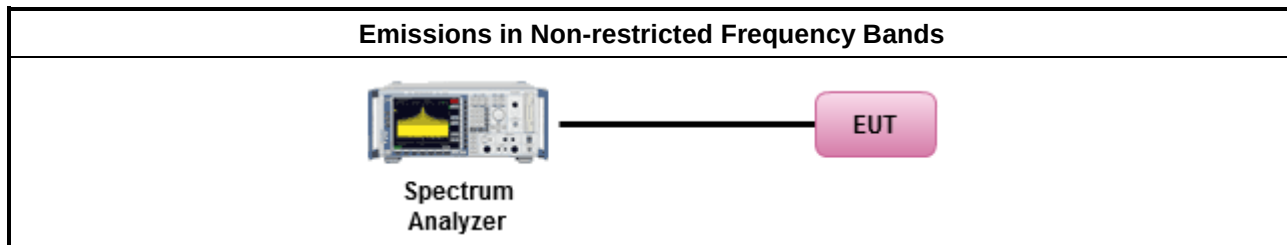
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

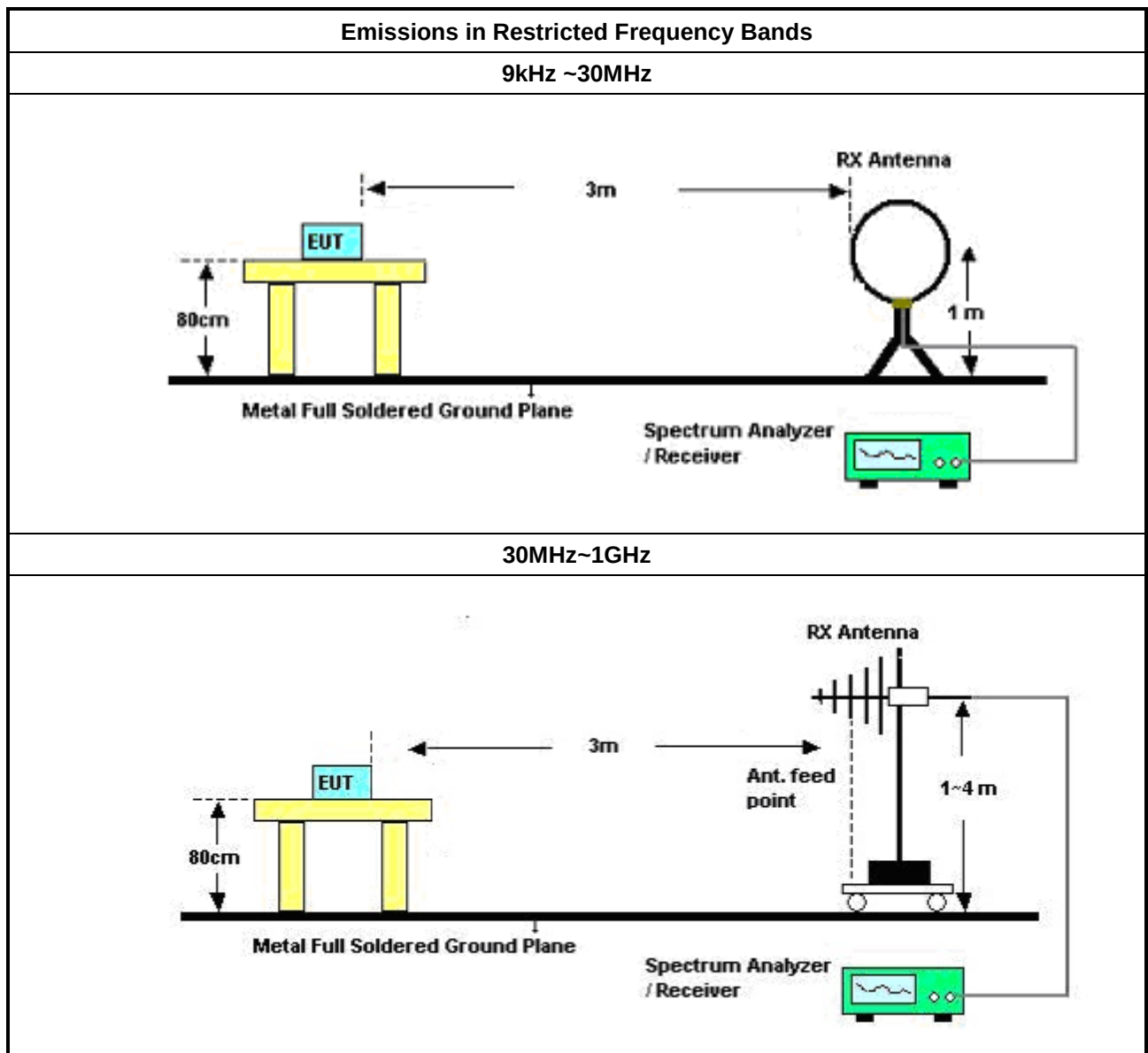
Test Method	
▪	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted emissions shall be measured using following options below:
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
▪	For the transmitter band-edge emissions shall be measured using following options below:
	Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
▪	Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
▪	Use the following spectrum analyzer settings:
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
▪	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
▪	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

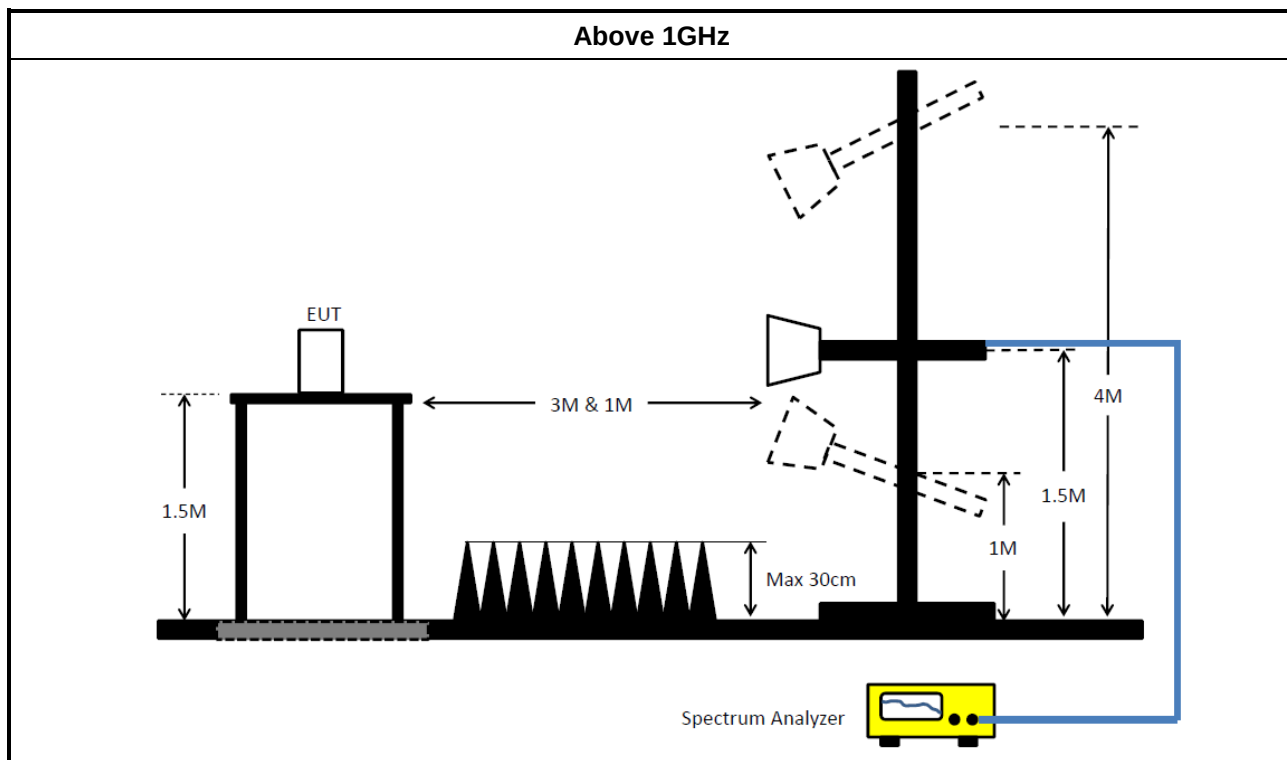
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	17/May/2024	16/May/2025
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	101274	9kHz ~ 30MHz	18/Jun/2024	17/Jun/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	27/Feb/2024	26/Feb/2025
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	18/Oct/2023	17/Oct/2024
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	30/Oct/2023	29/Oct/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	01/Apr/2024	31/Mar/2025
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	02/Apr/2024	01/Apr/2025
SENSE-15247_DTS	Sporton	V5.11.20	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH25-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	08/Aug/2024	07/Aug/2025
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	17/Nov/2023	16/Nov/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	11/Jul/2024	10/Jul/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	20/Aug/2024	19/Aug/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	23/Apr/2024	22/Apr/2025
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz ~18GHz	24/May/2024	23/May/2025
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	15/Apr/2024	14/Apr/2025
SENSE-15407-DTS	Sporton	V5.11.20	NA	NA	NA	NA

Instrument for Radiated Test (03CH24-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	30MHz~1GHz 3m	16/Aug/2024	15/Aug/2025
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	15/Aug/2024	14/Aug/2025
Bilog Antenna & 6dB Attenuator	TESEQ / Woken	CBL 6112D / 00800N1D01N-06	35376 / 02	30MHz~1GHz	14/Apr/2024	13/Apr/2025
Pre-Amplifier	Aglient	8447D	2944A06292	30MHz~1GHz	18/Apr/2024	17/Apr/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB002	9kHz~1GHz	19/Jun/2024	18/Jun/2025
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
SENSE-15407-DTS	Sporton	V5.11.20	NA	NA	NA	NA

Instrument for Radiated Test Co-location for Mode 1 (03CH25-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	08/Aug/2024	07/Aug/2025
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	17/Nov/2023	16/Nov/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	11/Jul/2024	10/Jul/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	20/Aug/2024	19/Aug/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	23/Apr/2024	22/Apr/2025
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz ~18GHz	24/May/2024	23/May/2025
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	15/Apr/2024	14/Apr/2025
SENSE-EMI	Sporton	V5.11.8	NA	NA	NA	NA

Instrument for Radiated Test Co-location for Mode 2 (03CH24-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	1GHz~18GHz 3m	30/Jul/2024	29/Jul/2025
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	15/Aug/2024	14/Aug/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02744	1GHz~18GHz	15/Aug/2024	14/Aug/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	05/Jun/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	03CH24-CAB LE-01	1GHz~40GHz	01/Oct/2024	30/Sep/2025
Amplifier	EM	EM01G18G	060870	1GHz ~18GHz	12/Aug/2024	11/Aug/2025
SENSE-EMI	Sporton	V5.11.8	NA	NA	NA	NA



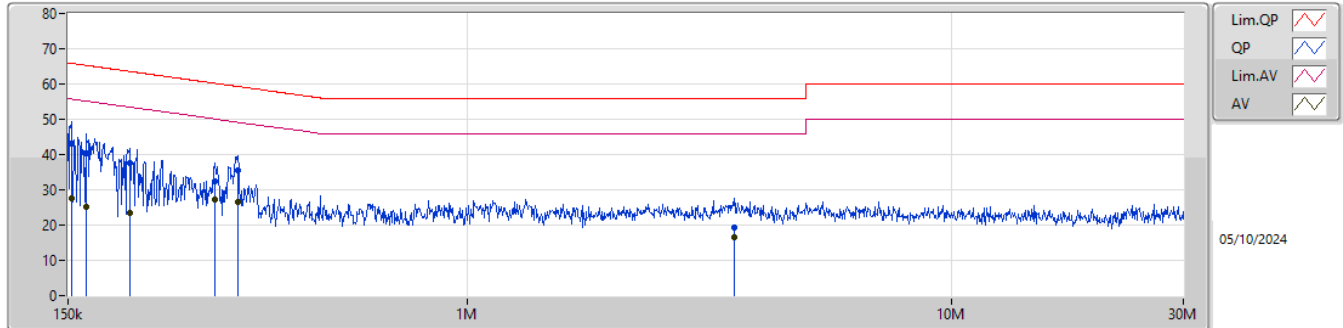
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	329.331k	32.35	49.46	-17.11	Neutral

Result

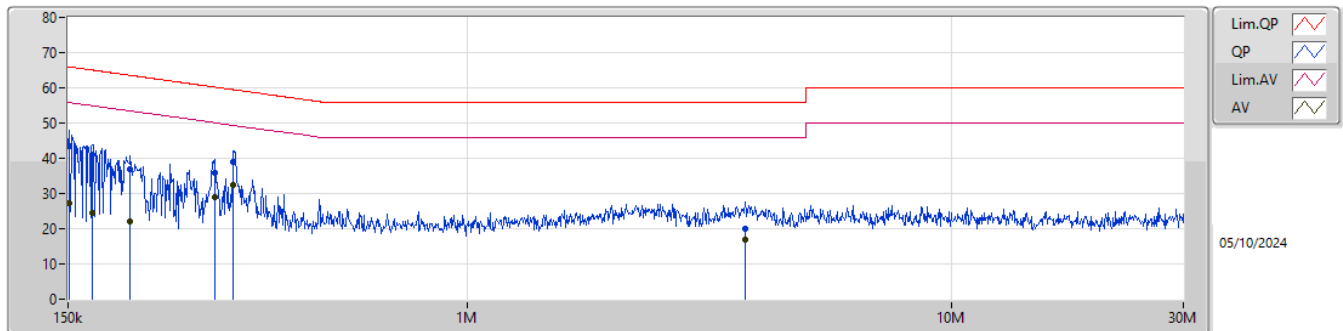
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	152.414k	43.24	65.87	-22.63	Line
Mode 1	Pass	AV	152.414k	27.62	55.87	-28.25	Line
Mode 1	Pass	QP	163.117k	40.50	65.31	-24.81	Line
Mode 1	Pass	AV	163.117k	25.24	55.31	-30.07	Line
Mode 1	Pass	QP	200.748k	37.71	63.57	-25.86	Line
Mode 1	Pass	AV	200.748k	23.28	53.57	-30.29	Line
Mode 1	Pass	QP	301.641k	32.30	60.21	-27.91	Line
Mode 1	Pass	AV	301.641k	27.37	50.21	-22.84	Line
Mode 1	Pass	QP	335.971k	35.59	59.31	-23.72	Line
Mode 1	Pass	AV	335.971k	26.59	49.31	-22.72	Line
Mode 1	Pass	QP	3.556M	19.33	56.00	-36.67	Line
Mode 1	Pass	AV	3.556M	16.70	46.00	-29.30	Line
Mode 1	Pass	QP	150.6k	43.61	65.96	-22.35	Neutral
Mode 1	Pass	AV	150.6k	27.31	55.96	-28.65	Neutral
Mode 1	Pass	QP	168.41k	41.15	65.04	-23.89	Neutral
Mode 1	Pass	AV	168.41k	24.39	55.04	-30.65	Neutral
Mode 1	Pass	QP	201.551k	36.77	63.55	-26.78	Neutral
Mode 1	Pass	AV	201.551k	22.16	53.55	-31.39	Neutral
Mode 1	Pass	QP	301.641k	35.76	60.21	-24.45	Neutral
Mode 1	Pass	AV	301.641k	28.84	50.21	-21.37	Neutral
Mode 1	Pass	QP	329.331k	38.97	59.46	-20.49	Neutral
Mode 1	Pass	AV	329.331k	32.35	49.46	-17.11	Neutral
Mode 1	Pass	QP	3.745M	20.07	56.00	-35.93	Neutral
Mode 1	Pass	AV	3.745M	17.03	46.00	-28.97	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	152.414k	43.24	65.87	-22.63	19.48	Line	-	23.76	9.66	0.07	9.75						
AV	152.414k	27.62	55.87	-28.25	19.48	Line	-	8.14	9.66	0.07	9.75						
QP	163.117k	40.50	65.31	-24.81	19.47	Line	-	21.03	9.66	0.07	9.74						
AV	163.117k	25.24	55.31	-30.07	19.47	Line	-	5.77	9.66	0.07	9.74						
QP	200.748k	37.71	63.57	-25.86	19.42	Line	-	18.29	9.65	0.09	9.68						
AV	200.748k	23.28	53.57	-30.29	19.42	Line	-	3.86	9.65	0.09	9.68						
QP	301.641k	32.30	60.21	-27.91	19.49	Line	-	12.81	9.65	0.11	9.73						
AV	301.641k	27.37	50.21	-22.84	19.49	Line	-	7.88	9.65	0.11	9.73						
QP	335.971k	35.59	59.31	-23.72	19.50	Line	-	16.09	9.65	0.11	9.74						
AV	335.971k	26.59	49.31	-22.72	19.50	Line	-	7.09	9.65	0.11	9.74						
QP	3.556M	19.33	56.00	-36.67	19.56	Line	-	-0.23	9.69	0.08	9.79						
AV	3.556M	16.70	46.00	-29.30	19.56	Line	-	-2.86	9.69	0.08	9.79						

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	43.61	65.96	-22.35	19.43	Neutral	-	24.18	9.60	0.07	9.76						
AV	150.6k	27.31	55.96	-28.65	19.43	Neutral	-	7.88	9.60	0.07	9.76						
QP	168.41k	41.15	65.04	-23.89	19.41	Neutral	-	21.74	9.60	0.08	9.73						
AV	168.41k	24.39	55.04	-30.65	19.41	Neutral	-	4.98	9.60	0.08	9.73						
QP	201.551k	36.77	63.55	-26.78	19.37	Neutral	-	17.40	9.60	0.09	9.68						
AV	201.551k	22.16	53.55	-31.39	19.37	Neutral	-	2.79	9.60	0.09	9.68						
QP	301.641k	35.76	60.21	-24.45	19.44	Neutral	-	16.32	9.60	0.11	9.73						
AV	301.641k	28.84	50.21	-21.37	19.44	Neutral	-	9.40	9.60	0.11	9.73						
QP	329.331k	38.97	59.46	-20.49	19.45	Neutral	-	19.52	9.60	0.11	9.74						
AV	329.331k	32.35	49.46	-17.11	19.45	Neutral	-	12.90	9.60	0.11	9.74						
QP	3.745M	20.07	56.00	-35.93	19.48	Neutral	-	0.59	9.62	0.07	9.79						
AV	3.745M	17.03	46.00	-28.97	19.48	Neutral	-	-2.45	9.62	0.07	9.79						

**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	8.575M	13.493M	13M5G1D	6.075M	12.744M
802.11g_Nss1,(6Mbps)_2TX	16.325M	16.932M	16M9D1D	11.925M	16.492M
802.11be EHT20_Nss1,(MCS0)_2TX	19.025M	19.04M	19M0D1D	13.05M	18.641M
802.11be EHT40_Nss1,(MCS0)_2TX	37.8M	37.831M	37M8D1D	32.35M	37.481M

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	7.9M	12.954M	6.55M	13.223M
2437MHz	Pass	500k	7.975M	13.043M	6.075M	13.493M
2462MHz	Pass	500k	7.075M	13.223M	8.575M	12.744M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.275M	16.558M	15.425M	16.492M
2437MHz	Pass	500k	16.325M	16.756M	14.1M	16.932M
2462MHz	Pass	500k	15.325M	16.492M	11.925M	16.536M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	14.55M	18.841M	18.775M	19.04M
2437MHz	Pass	500k	13.05M	18.666M	18.4M	18.991M
2462MHz	Pass	500k	19.025M	18.916M	16.775M	18.641M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.1M	37.731M	33.9M	37.681M
2437MHz	Pass	500k	37.4M	37.831M	36.1M	37.481M
2452MHz	Pass	500k	32.35M	37.631M	37.8M	37.731M

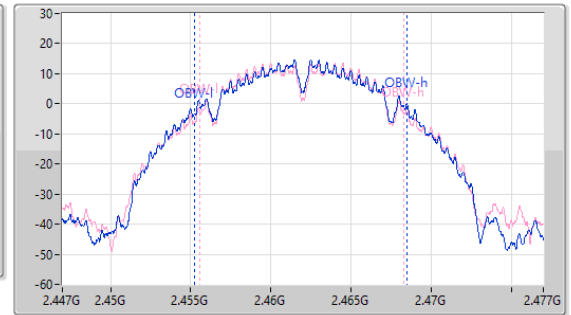
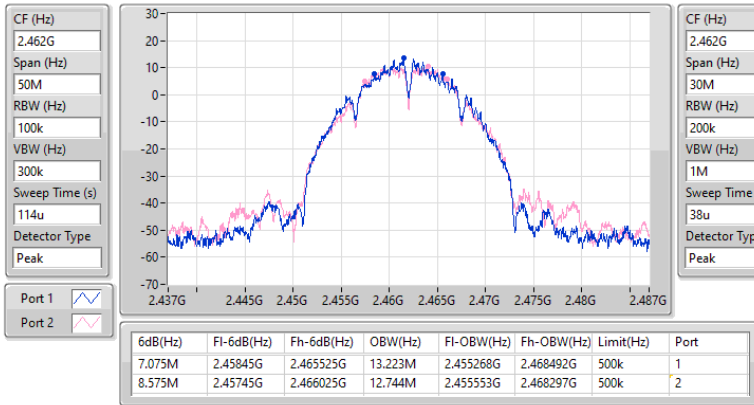
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2462MHz

20/09/2024

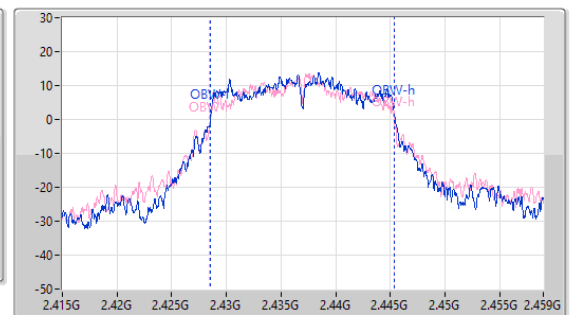
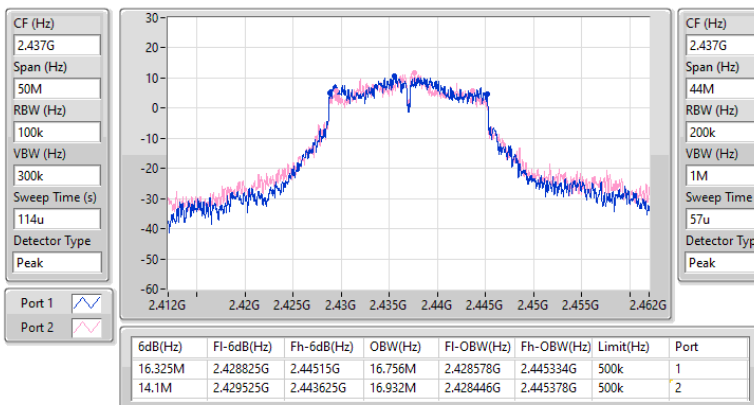


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2437MHz

20/09/2024

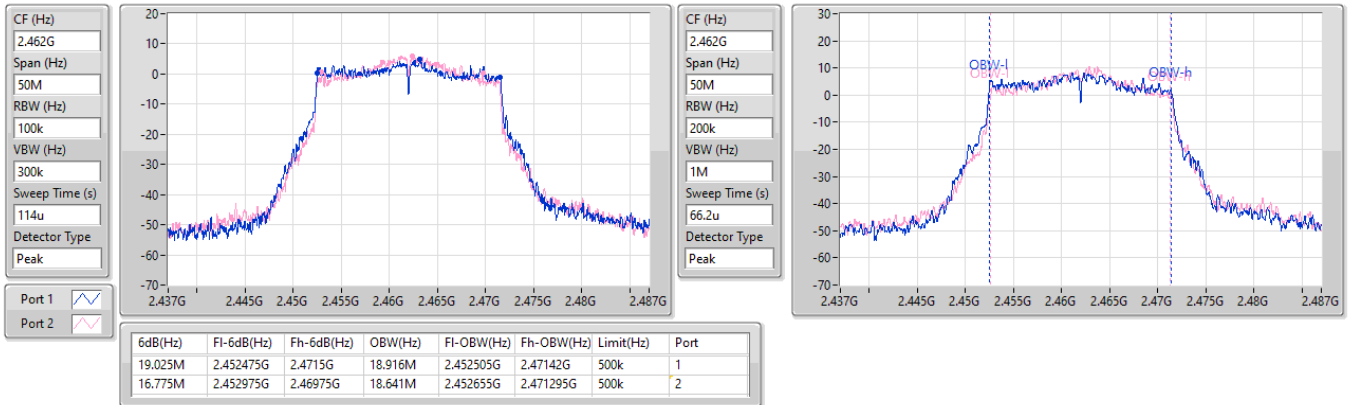


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

2462MHz

20/09/2024

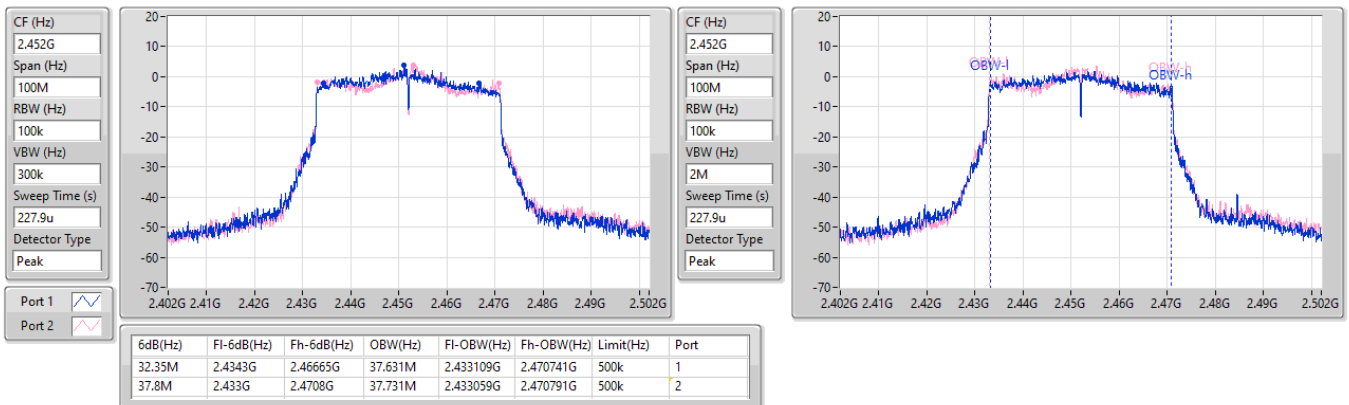


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

2452MHz

20/09/2024





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.97	0.49774
802.11g_Nss1,(6Mbps)_2TX	27.74	0.59429
802.11be EHT20_Nss1,(MCS0)_2TX	26.69	0.46666
802.11be EHT40_Nss1,(MCS0)_2TX	24.04	0.25351

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.35	23.95	23.18	26.59	30.00
2417MHz	Pass	2.35	23.95	23.15	26.58	30.00
2437MHz	Pass	2.35	24.13	23.78	26.97	30.00
2457MHz	Pass	2.35	24.08	23.79	26.95	30.00
2462MHz	Pass	2.35	23.96	23.85	26.92	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.35	20.95	20.09	23.55	30.00
2417MHz	Pass	2.35	22.13	21.63	24.90	30.00
2437MHz	Pass	2.35	24.80	24.66	27.74	30.00
2457MHz	Pass	2.35	21.73	21.51	24.63	30.00
2462MHz	Pass	2.35	20.91	20.87	23.90	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.35	21.56	20.50	24.07	30.00
2417MHz	Pass	2.35	21.96	20.98	24.51	30.00
2437MHz	Pass	2.35	24.01	23.32	26.69	30.00
2457MHz	Pass	2.35	21.86	22.41	25.15	30.00
2462MHz	Pass	2.35	20.15	20.75	23.47	30.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.35	20.32	19.18	22.80	30.00
2427MHz	Pass	2.35	20.48	20.41	23.46	30.00
2437MHz	Pass	2.35	21.38	20.64	24.04	30.00
2447MHz	Pass	2.35	19.96	20.16	23.07	30.00
2452MHz	Pass	2.35	20.06	20.27	23.18	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	26.56	0.45290
802.11be EHT40-BF_Nss1,(MCS0)_2TX	23.90	0.24547

**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	2.69	21.44	20.35	23.94	30.00
2417MHz	Pass	2.69	21.81	20.85	24.37	30.00
2437MHz	Pass	2.69	23.87	23.21	26.56	30.00
2457MHz	Pass	2.69	21.74	22.31	25.04	30.00
2462MHz	Pass	2.69	20.02	20.62	23.34	30.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.69	20.21	19.05	22.68	30.00
2427MHz	Pass	2.69	20.37	20.31	23.35	30.00
2437MHz	Pass	2.69	21.25	20.5	23.90	30.00
2447MHz	Pass	2.69	19.84	20.03	22.95	30.00
2452MHz	Pass	2.69	19.95	20.13	23.05	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	-2.39
802.11g_Nss1,(6Mbps)_2TX	-0.44
802.11be EHT20_Nss1,(MCS0)_2TX	-1.25
802.11be EHT40_Nss1,(MCS0)_2TX	-5.21

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	2.69	-5.93	-5.53	-2.72	8.00
2437MHz	Pass	2.69	-6.02	-4.84	-2.39	8.00
2462MHz	Pass	2.69	-4.92	-5.17	-2.83	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.69	-5.46	-7.23	-4.44	8.00
2437MHz	Pass	2.69	-3.24	-2.35	-0.44	8.00
2462MHz	Pass	2.69	-7.40	-5.60	-4.35	8.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.69	-4.55	-5.59	-3.62	8.00
2437MHz	Pass	2.69	-2.26	-3.92	-1.25	8.00
2462MHz	Pass	2.69	-7.23	-4.39	-3.85	8.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.69	-8.19	-10.33	-7.41	8.00
2437MHz	Pass	2.69	-6.64	-9.16	-6.34	8.00
2452MHz	Pass	2.69	-9.34	-6.25	-5.21	8.00

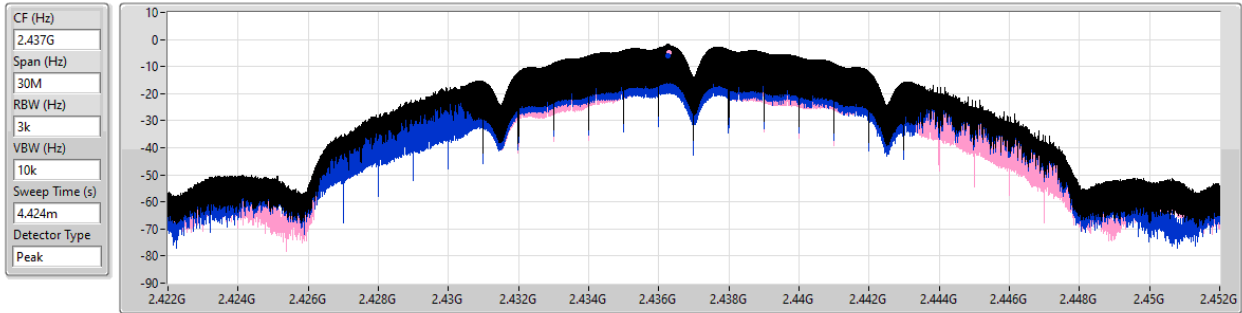
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

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

PSD

2437MHz

20/09/2024



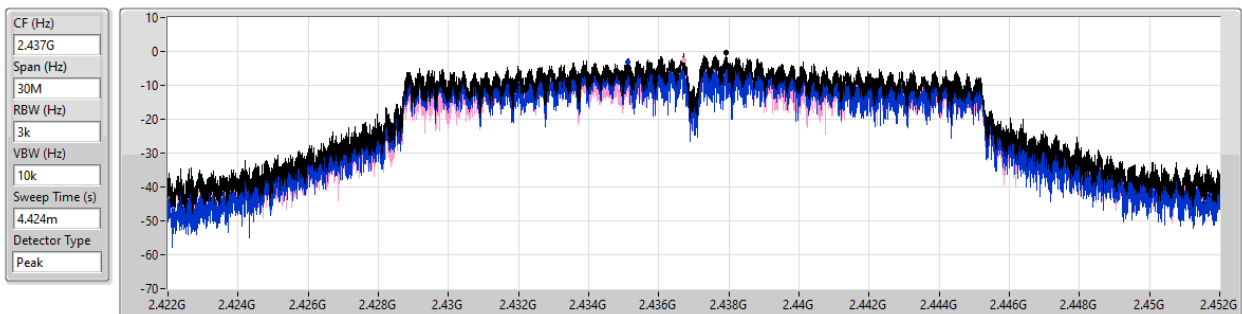
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.39	-2.39	-6.02	-4.84

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

PSD

2437MHz

20/09/2024



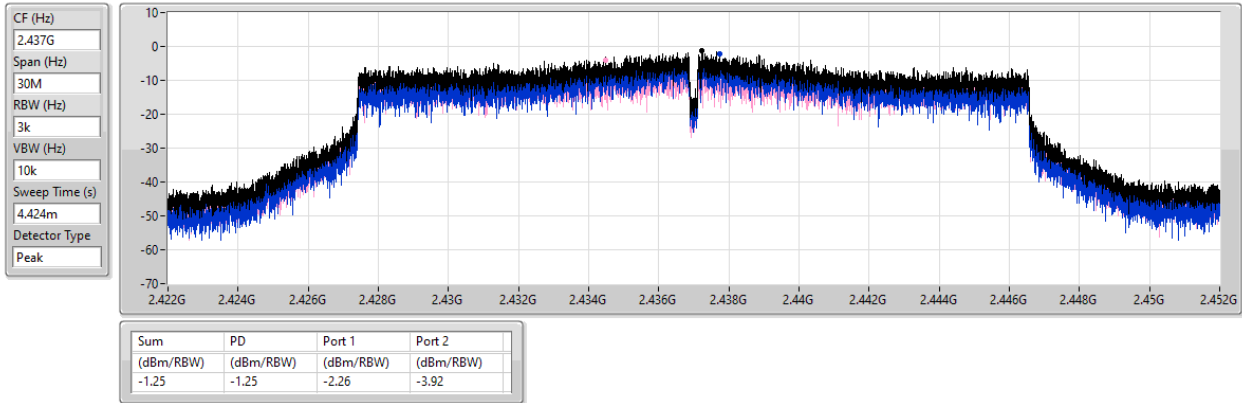
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.44	-0.44	-3.24	-2.35

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

PSD

2437MHz

20/09/2024

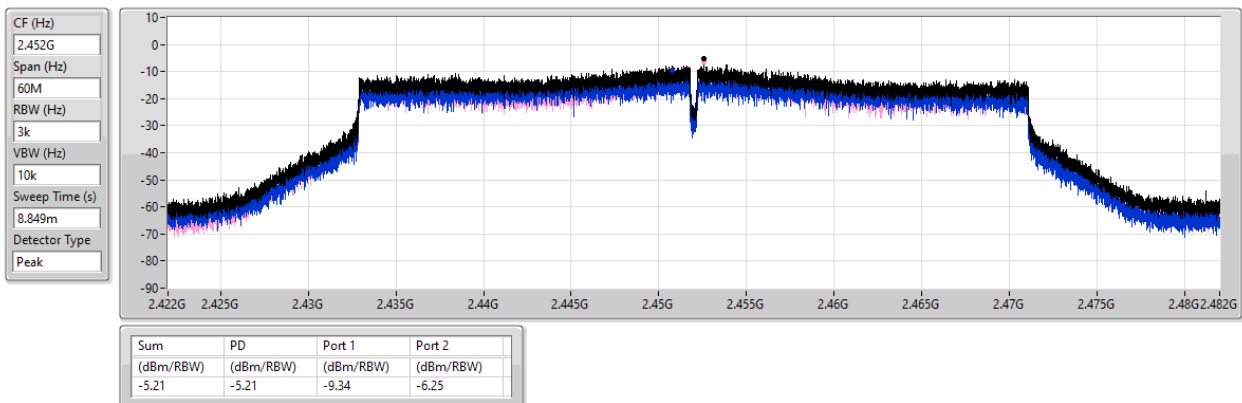


2.4-2.4835GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

2452MHz

20/09/2024



**Summary**

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43641G	14.01	-15.99	1.9208G	-51.36	2.4G	-38.11	2.4G	-38.35	2.50862G	-49.54	16.2145G	-38.60	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	13.79	-16.21	2.30408G	-49.03	2.4G	-24.41	2.4G	-22.73	2.51158G	-49.54	23.29741G	-38.11	1
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	2.43574G	13.03	-16.97	2.30408G	-49.12	2.4G	-23.57	2.4G	-22.04	2.5071G	-49.24	16.66122G	-38.73	1
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	2.43457G	6.65	-23.35	1.9204G	-48.32	2.39968G	-24.79	2.4G	-24.39	2.51262G	-49.37	16.88079G	-37.82	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	2.43641G	14.01	-15.99	2.30408G	-48.43	2.4G	-38.26	2.4G	-38.14	2.5099G	-50.12	15.25925G	-38.75	1
2412MHz	Pass	2.43641G	14.01	-15.99	1.9208G	-51.36	2.4G	-38.11	2.4G	-38.35	2.50862G	-49.54	16.2145G	-38.60	2
2437MHz	Pass	2.43641G	14.01	-15.99	2.30408G	-47.60	2.4G	-46.23	2.4G	-46.07	2.5039G	-49.65	24.59261G	-38.57	1
2437MHz	Pass	2.43641G	14.01	-15.99	2.14564G	-50.67	2.39576G	-49.27	2.4G	-48.94	2.5035G	-49.70	16.58817G	-37.97	2
2462MHz	Pass	2.43641G	14.01	-15.99	2.30408G	-47.77	2.4G	-46.86	2.4G	-47.52	2.50118G	-49.31	15.23677G	-37.60	1
2462MHz	Pass	2.43641G	14.01	-15.99	2.30408G	-49.53	2.4G	-48.49	2.4G	-48.81	2.5067G	-49.13	17.65018G	-38.07	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	13.79	-16.21	2.30408G	-49.03	2.4G	-24.41	2.4G	-22.73	2.51158G	-49.54	23.29741G	-38.11	1
2412MHz	Pass	2.43574G	13.79	-16.21	2.15962G	-50.77	2.39984G	-25.97	2.4G	-23.98	2.50686G	-49.55	16.27069G	-38.47	2
2437MHz	Pass	2.43574G	13.79	-16.21	2.30408G	-44.20	2.3996G	-41.10	2.4G	-41.58	2.50254G	-49.22	16.27631G	-38.74	1
2437MHz	Pass	2.43574G	13.79	-16.21	2.30408G	-47.81	2.396G	-39.02	2.4G	-40.50	2.50262G	-47.81	16.63312G	-38.86	2
2462MHz	Pass	2.43574G	13.79	-16.21	2.30408G	-47.75	2.4G	-46.72	2.4G	-45.96	2.50734G	-49.78	23.30021G	-38.77	1
2462MHz	Pass	2.43574G	13.79	-16.21	2.30525G	-49.33	2.4G	-48.51	2.4G	-47.90	2.51206G	-49.51	23.36764G	-38.73	2
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	13.03	-16.97	2.30408G	-49.12	2.4G	-23.57	2.4G	-22.04	2.5071G	-49.24	16.66122G	-38.73	1
2412MHz	Pass	2.43574G	13.03	-16.97	2.30292G	-50.57	2.39952G	-22.10	2.4G	-24.62	2.50166G	-49.88	16.23697G	-39.25	2
2437MHz	Pass	2.43574G	13.03	-16.97	2.30408G	-43.65	2.4G	-43.00	2.4G	-42.33	2.5123G	-49.62	15.2761G	-38.21	1
2437MHz	Pass	2.43574G	13.03	-16.97	1.9208G	-48.94	2.39848G	-37.43	2.4G	-39.34	2.50246G	-48.73	16.51512G	-39.35	2
2462MHz	Pass	2.43574G	13.03	-16.97	2.30408G	-47.21	2.4G	-46.87	2.4G	-46.42	2.5019G	-48.61	16.23697G	-38.82	1
2462MHz	Pass	2.43574G	13.03	-16.97	2.30408G	-49.93	2.4G	-47.73	2.4G	-48.14	2.51206G	-49.28	17.63333G	-38.52	2
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43457G	6.65	-23.35	1.9204G	-48.32	2.39968G	-24.79	2.4G	-24.39	2.51262G	-49.37	16.88079G	-37.82	1
2422MHz	Pass	2.43457G	6.65	-23.35	1.9204G	-47.98	2.4G	-26.40	2.4G	-25.95	2.53342G	-49.54	24.64382G	-38.81	2
2437MHz	Pass	2.43457G	6.65	-23.35	1.9204G	-47.37	2.392G	-40.58	2.4G	-42.46	2.5019G	-46.62	16.26659G	-38.92	1
2437MHz	Pass	2.43457G	6.65	-23.35	2.16085G	-49.07	2.39088G	-41.87	2.4G	-45.90	2.50766G	-48.73	16.62277G	-38.50	2
2452MHz	Pass	2.43457G	6.65	-23.35	2.30512G	-45.66	2.4G	-47.38	2.4G	-47.18	2.50078G	-45.33	24.58492G	-39.01	1
2452MHz	Pass	2.43457G	6.65	-23.35	1.9204G	-50.05	2.39712G	-45.51	2.4G	-49.43	2.5003G	-45.03	16.20489G	-38.36	2

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

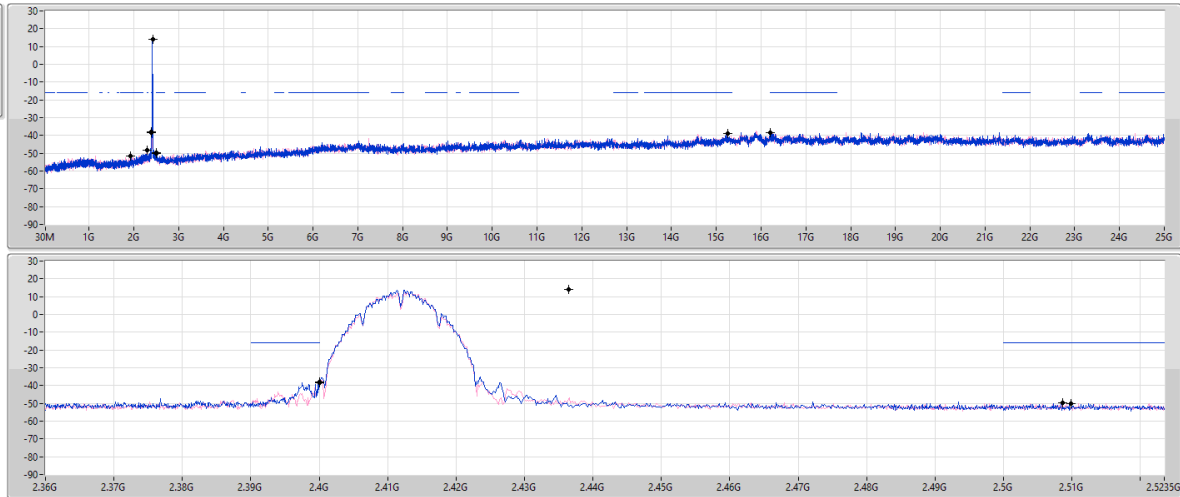
CSEndB

2412MHz

20/09/2024

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

Port 1
Port 2



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43641G	14.01	-15.99	2.30408G	-48.43	2.4G	-38.26	2.4G	-38.14	2.5099G	-50.12	15.25925G	-38.75	1
2.43641G	14.01	-15.99	1.9208G	-51.36	2.4G	-38.11	2.4G	-38.35	2.50862G	-49.54	16.2145G	-38.60	2

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

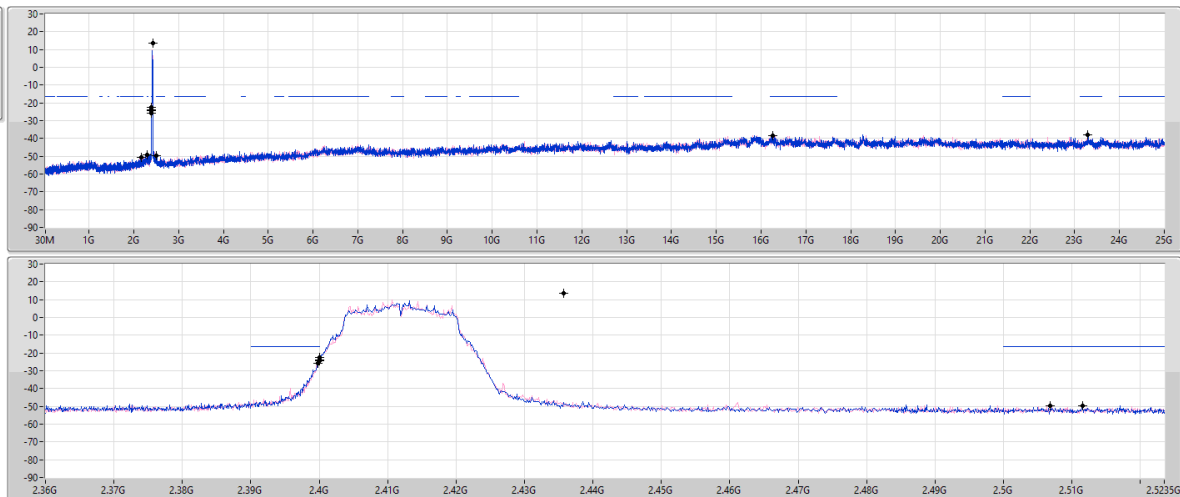
CSEndB

2412MHz

20/09/2024

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

Port 1
Port 2



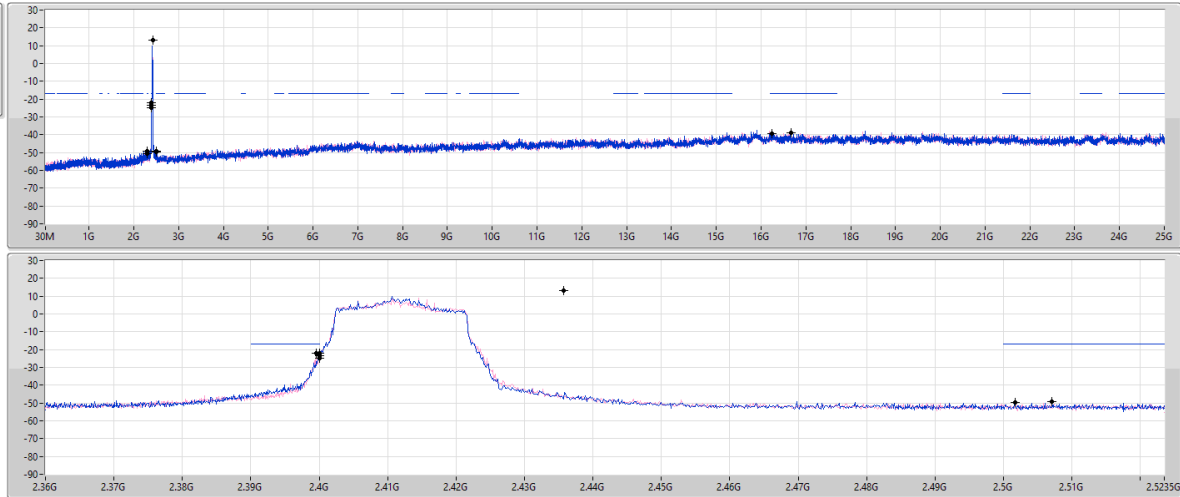
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	13.79	-16.21	2.30408G	-49.03	2.4G	-24.41	2.4G	-22.73	2.51158G	-49.54	23.29741G	-38.11	1
2.43574G	13.79	-16.21	2.15962G	-50.77	2.39984G	-25.97	2.4G	-23.98	2.50686G	-49.55	16.27069G	-38.47	2

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

CSEndB

2412MHz

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



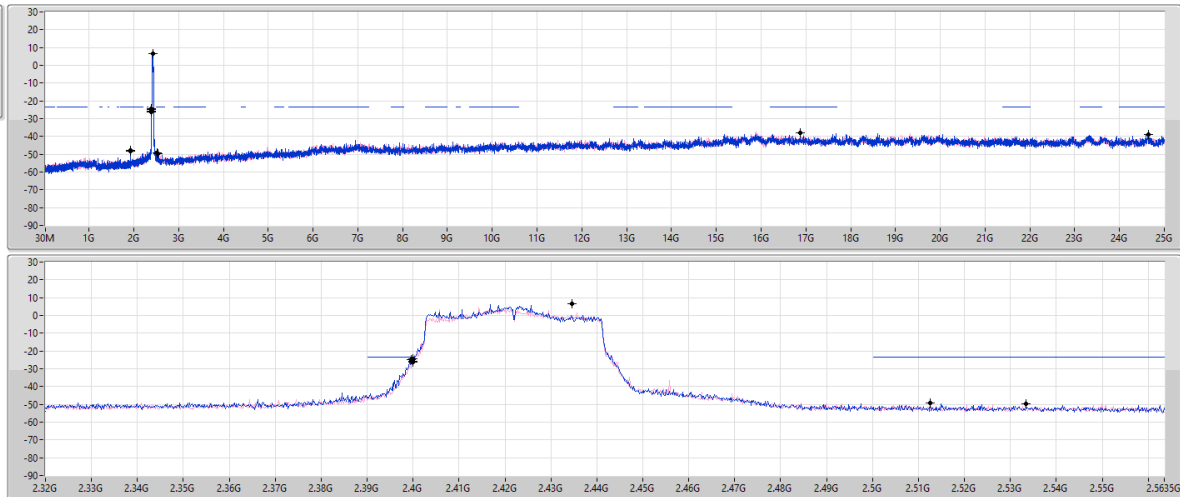
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	13.03	-16.97	2.30408G	-49.12	2.4G	-23.57	2.4G	-22.04	2.5071G	-49.24	16.66122G	-38.73	1
2.43574G	13.03	-16.97	2.30292G	-50.57	2.39952G	-22.10	2.4G	-24.62	2.50166G	-49.88	16.23897G	-39.25	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
2.43457G	6.65	-23.35	1.9204G	-48.32	2.39968G	-24.79	2.4G	-24.39	2.51262G	-49.37	16.88079G	-37.82	1
2.43457G	6.65	-23.35	1.9204G	-47.98	2.4G	-26.40	2.4G	-25.95	2.53342G	-49.54	24.64382G	-38.81	2



Summary

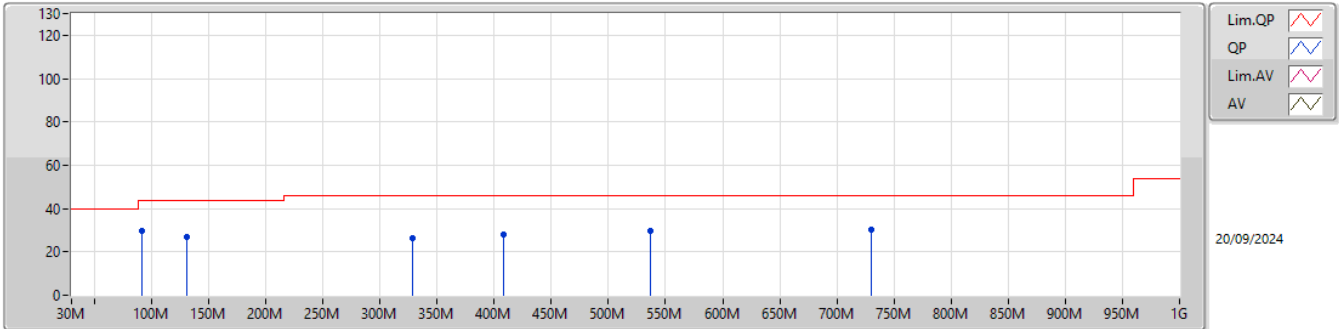
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	PK	92.08M	29.53	43.50	-13.97	3	Vertical	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	92.08M	29.53	43.50	-13.97	3	Vertical	360	1.00
2437MHz	Pass	PK	130.88M	27.12	43.50	-16.38	3	Vertical	360	1.00
2437MHz	Pass	PK	328.76M	26.13	46.00	-19.87	3	Vertical	360	1.00
2437MHz	Pass	PK	408.3M	28.26	46.00	-17.74	3	Vertical	360	1.00
2437MHz	Pass	PK	536.34M	29.84	46.00	-16.16	3	Vertical	360	1.00
2437MHz	Pass	PK	730.34M	30.44	46.00	-15.56	3	Vertical	360	1.00
2437MHz	Pass	PK	123.12M	27.88	43.50	-15.62	3	Horizontal	0	1.00
2437MHz	Pass	PK	214.3M	25.59	43.50	-17.91	3	Horizontal	0	1.00
2437MHz	Pass	PK	373.38M	27.05	46.00	-18.95	3	Horizontal	0	1.00
2437MHz	Pass	PK	425.76M	27.95	46.00	-18.05	3	Horizontal	0	1.00
2437MHz	Pass	PK	788.54M	31.59	46.00	-14.41	3	Horizontal	0	1.00
2437MHz	Pass	PK	935.98M	29.38	46.00	-16.62	3	Horizontal	0	1.00

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

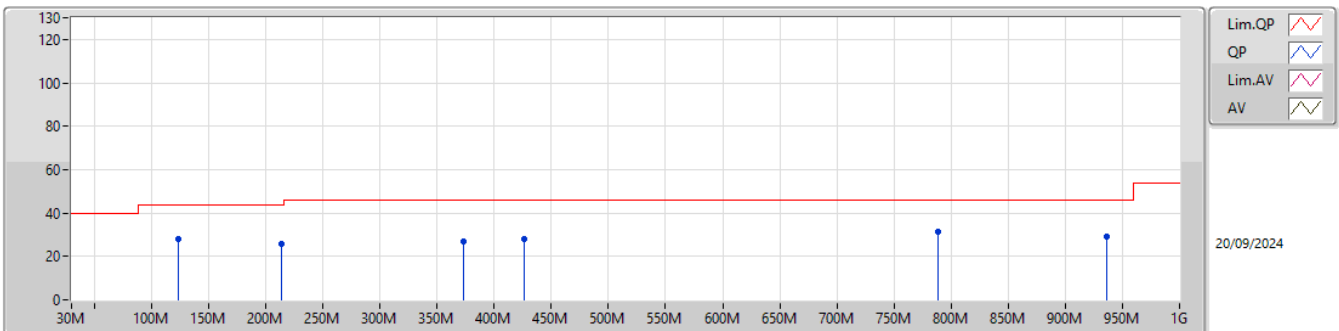
2437MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)				
PK	92.08M	29.53	43.50	-13.97	-11.66	3	Vertical	360	1.00	41.19	14.46	1.13	27.25				
PK	130.88M	27.12	43.50	-16.38	-9.15	3	Vertical	360	1.00	36.27	16.65	1.34	27.14				
PK	328.76M	26.13	46.00	-19.87	-6.11	3	Vertical	360	1.00	32.24	18.74	2.03	26.88				
PK	408.3M	28.26	46.00	-17.74	-3.83	3	Vertical	360	1.00	32.09	21.25	2.38	27.46				
PK	536.34M	29.84	46.00	-16.16	-2.71	3	Vertical	360	1.00	32.55	23.08	2.52	28.31				
PK	730.34M	30.44	46.00	-15.56	-0.77	3	Vertical	360	1.00	31.21	24.55	2.97	28.29				

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

2437MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)				
PK	123.12M	27.88	43.50	-15.62	-8.84	3	Horizontal	0	1.00	36.72	17.01	1.33	27.18				
PK	214.3M	25.59	43.50	-17.91	-11.16	3	Horizontal	0	1.00	36.75	13.96	1.66	26.78				
PK	373.38M	27.05	46.00	-18.95	-4.93	3	Horizontal	0	1.00	31.98	20.02	2.24	27.19				
PK	425.76M	27.95	46.00	-18.05	-3.61	3	Horizontal	0	1.00	31.56	21.64	2.41	27.66				
PK	788.54M	31.59	46.00	-14.41	-0.00	3	Horizontal	0	1.00	31.59	25.22	3.08	28.30				
PK	935.98M	29.38	46.00	-16.62	1.46	3	Horizontal	0	1.00	27.92	25.75	3.46	27.75				



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	7.38474G	53.39	54.00	-0.61	3	Horizontal	204	1.60
802.11g_Nss1,(6Mbps)_2TX	Pass	PK	2.3876G	73.40	74.00	-0.60	3	Vertical	197	2.18
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.36	54.00	-0.64	3	Horizontal	244	2.53
802.11be EHT40_Nss1,(MCS0)_2TX	Pass	AV	2.4842G	53.75	54.00	-0.25	3	Vertical	61	1.69

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	51.37	54.00	-2.63	3	Vertical	235	2.28
2412MHz	Pass	AV	2.4112G	116.29	Inf	-Inf	3	Vertical	235	2.28
2412MHz	Pass	PK	2.3894G	59.95	74.00	-14.05	3	Vertical	235	2.28
2412MHz	Pass	PK	2.4112G	118.85	Inf	-Inf	3	Vertical	235	2.28
2412MHz	Pass	AV	2.39G	51.08	54.00	-2.92	3	Horizontal	239	2.81
2412MHz	Pass	AV	2.4128G	112.82	Inf	-Inf	3	Horizontal	239	2.81
2412MHz	Pass	PK	2.39G	58.63	74.00	-15.37	3	Horizontal	239	2.81
2412MHz	Pass	PK	2.413G	115.45	Inf	-Inf	3	Horizontal	239	2.81
2412MHz	Pass	AV	4.824G	43.14	54.00	-10.86	3	Vertical	357	1.87
2412MHz	Pass	PK	4.82394G	46.61	74.00	-27.39	3	Vertical	357	1.87
2412MHz	Pass	AV	4.824G	44.93	54.00	-9.07	3	Horizontal	148	1.92
2412MHz	Pass	PK	4.82406G	47.77	74.00	-26.23	3	Horizontal	148	1.92
2437MHz	Pass	AV	2.3594G	45.30	54.00	-8.70	3	Vertical	235	2.21
2437MHz	Pass	AV	2.4362G	115.44	Inf	-Inf	3	Vertical	235	2.21
2437MHz	Pass	AV	2.4918G	45.19	54.00	-8.81	3	Vertical	235	2.21
2437MHz	Pass	PK	2.3722G	58.14	74.00	-15.86	3	Vertical	235	2.21
2437MHz	Pass	PK	2.4362G	117.97	Inf	-Inf	3	Vertical	235	2.21
2437MHz	Pass	PK	2.4866G	57.22	74.00	-16.78	3	Vertical	235	2.21
2437MHz	Pass	AV	2.3426G	45.49	54.00	-8.51	3	Horizontal	247	2.54
2437MHz	Pass	AV	2.4386G	112.95	Inf	-Inf	3	Horizontal	247	2.54
2437MHz	Pass	AV	2.4906G	45.09	54.00	-8.91	3	Horizontal	247	2.54
2437MHz	Pass	PK	2.3782G	57.76	74.00	-16.24	3	Horizontal	247	2.54
2437MHz	Pass	PK	2.4386G	115.39	Inf	-Inf	3	Horizontal	247	2.54
2437MHz	Pass	PK	2.499G	57.19	74.00	-16.81	3	Horizontal	247	2.54
2437MHz	Pass	AV	4.874G	46.21	54.00	-7.79	3	Vertical	269	2.12
2437MHz	Pass	AV	7.31268G	50.20	54.00	-3.80	3	Vertical	174	3.00
2437MHz	Pass	PK	4.874G	49.10	74.00	-24.90	3	Vertical	269	2.12
2437MHz	Pass	PK	7.31244G	54.85	74.00	-19.15	3	Vertical	174	3.00
2437MHz	Pass	AV	4.874G	46.57	54.00	-7.43	3	Horizontal	146	1.84
2437MHz	Pass	AV	7.31268G	51.89	54.00	-2.11	3	Horizontal	206	1.50
2437MHz	Pass	PK	4.87406G	49.09	74.00	-24.91	3	Horizontal	146	1.84
2437MHz	Pass	PK	7.31292G	56.55	74.00	-17.45	3	Horizontal	206	1.50
2462MHz	Pass	AV	2.4612G	115.72	Inf	-Inf	3	Vertical	231	2.43
2462MHz	Pass	AV	2.4835G	51.99	54.00	-2.01	3	Vertical	231	2.43
2462MHz	Pass	PK	2.4612G	118.25	Inf	-Inf	3	Vertical	231	2.43
2462MHz	Pass	PK	2.4835G	61.11	74.00	-12.89	3	Vertical	231	2.43
2462MHz	Pass	AV	2.4628G	112.94	Inf	-Inf	3	Horizontal	238	2.64
2462MHz	Pass	AV	2.4852G	52.05	54.00	-1.95	3	Horizontal	238	2.64
2462MHz	Pass	PK	2.463G	115.57	Inf	-Inf	3	Horizontal	238	2.64
2462MHz	Pass	PK	2.4854G	60.37	74.00	-13.63	3	Horizontal	238	2.64
2462MHz	Pass	AV	4.92394G	48.46	54.00	-5.54	3	Vertical	88	3.00
2462MHz	Pass	AV	7.38768G	49.74	54.00	-4.26	3	Vertical	236	1.87
2462MHz	Pass	PK	4.92394G	50.79	74.00	-23.21	3	Vertical	88	3.00
2462MHz	Pass	PK	7.38744G	54.54	74.00	-19.46	3	Vertical	236	1.87
2462MHz	Pass	AV	4.924G	47.23	54.00	-6.77	3	Horizontal	146	1.61
2462MHz	Pass	AV	7.38474G	53.39	54.00	-0.61	3	Horizontal	204	1.60
2462MHz	Pass	PK	4.92394G	49.61	74.00	-24.39	3	Horizontal	146	1.61
2462MHz	Pass	PK	7.38492G	57.27	74.00	-16.73	3	Horizontal	204	1.60
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3896G	52.24	54.00	-1.76	3	Vertical	222	2.25
2412MHz	Pass	AV	2.413G	108.83	Inf	-Inf	3	Vertical	222	2.25
2412MHz	Pass	PK	2.3894G	70.05	74.00	-3.95	3	Vertical	222	2.25
2412MHz	Pass	PK	2.413G	118.67	Inf	-Inf	3	Vertical	222	2.25
2412MHz	Pass	AV	2.39G	48.35	54.00	-5.65	3	Horizontal	238	2.82
2412MHz	Pass	AV	2.411G	105.57	Inf	-Inf	3	Horizontal	238	2.82
2412MHz	Pass	PK	2.3872G	62.98	74.00	-11.02	3	Horizontal	238	2.82
2412MHz	Pass	PK	2.4112G	115.52	Inf	-Inf	3	Horizontal	238	2.82
2412MHz	Pass	AV	4.82404G	28.94	54.00	-25.06	3	Vertical	6	1.50
2412MHz	Pass	PK	4.82404G	42.26	74.00	-31.74	3	Vertical	6	1.50
2412MHz	Pass	AV	4.82524G	30.17	54.00	-23.83	3	Horizontal	138	1.96



RSE TX above 1GHz_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	PK	4.82484G	44.58	74.00	-29.42	3	Horizontal	138	1.96
2417MHz	Pass	AV	2.388G	53.22	54.00	-0.78	3	Vertical	197	2.18
2417MHz	Pass	AV	2.4174G	110.68	Inf	-Inf	3	Vertical	197	2.18
2417MHz	Pass	PK	2.3876G	73.40	74.00	-0.60	3	Vertical	197	2.18
2417MHz	Pass	PK	2.4178G	120.29	Inf	-Inf	3	Vertical	197	2.18
2417MHz	Pass	AV	2.3882G	50.60	54.00	-3.40	3	Horizontal	243	2.87
2417MHz	Pass	AV	2.418G	107.43	Inf	-Inf	3	Horizontal	243	2.87
2417MHz	Pass	PK	2.3876G	69.37	74.00	-4.63	3	Horizontal	243	2.87
2417MHz	Pass	PK	2.418G	117.51	Inf	-Inf	3	Horizontal	243	2.87
2437MHz	Pass	AV	2.3898G	50.89	54.00	-3.11	3	Vertical	66	1.68
2437MHz	Pass	AV	2.4366G	112.33	Inf	-Inf	3	Vertical	66	1.68
2437MHz	Pass	AV	2.4835G	50.93	54.00	-3.07	3	Vertical	66	1.68
2437MHz	Pass	PK	2.3898G	70.28	74.00	-3.72	3	Vertical	66	1.68
2437MHz	Pass	PK	2.4366G	121.62	Inf	-Inf	3	Vertical	66	1.68
2437MHz	Pass	PK	2.487G	68.17	74.00	-5.83	3	Vertical	66	1.68
2437MHz	Pass	AV	2.3518G	43.96	54.00	-10.04	3	Horizontal	246	2.55
2437MHz	Pass	AV	2.4358G	104.79	Inf	-Inf	3	Horizontal	246	2.55
2437MHz	Pass	AV	2.4846G	43.92	54.00	-10.08	3	Horizontal	246	2.55
2437MHz	Pass	PK	2.345G	58.82	74.00	-15.18	3	Horizontal	246	2.55
2437MHz	Pass	PK	2.4354G	114.92	Inf	-Inf	3	Horizontal	246	2.55
2437MHz	Pass	PK	2.4954G	56.94	74.00	-17.06	3	Horizontal	246	2.55
2437MHz	Pass	AV	4.87284G	34.57	54.00	-19.43	3	Vertical	95	2.90
2437MHz	Pass	AV	7.30988G	47.59	54.00	-6.41	3	Vertical	170	1.37
2437MHz	Pass	PK	4.8768G	48.37	74.00	-25.63	3	Vertical	95	2.90
2437MHz	Pass	PK	7.31036G	61.51	74.00	-12.49	3	Vertical	170	1.37
2437MHz	Pass	AV	4.87436G	33.17	54.00	-20.83	3	Horizontal	160	1.93
2437MHz	Pass	AV	7.30884G	49.55	54.00	-4.45	3	Horizontal	207	1.50
2437MHz	Pass	PK	4.87536G	47.43	74.00	-26.57	3	Horizontal	160	1.93
2437MHz	Pass	PK	7.30896G	63.38	74.00	-10.62	3	Horizontal	207	1.50
2457MHz	Pass	AV	2.4564G	109.27	Inf	-Inf	3	Vertical	265	2.26
2457MHz	Pass	AV	2.4858G	51.65	54.00	-2.35	3	Vertical	265	2.26
2457MHz	Pass	PK	2.4562G	119.24	Inf	-Inf	3	Vertical	265	2.26
2457MHz	Pass	PK	2.4858G	68.29	74.00	-5.71	3	Vertical	265	2.26
2457MHz	Pass	AV	2.456G	106.56	Inf	-Inf	3	Horizontal	240	2.85
2457MHz	Pass	AV	2.485G	49.70	54.00	-4.30	3	Horizontal	240	2.85
2457MHz	Pass	PK	2.4558G	116.80	Inf	-Inf	3	Horizontal	240	2.85
2457MHz	Pass	PK	2.4848G	67.50	74.00	-6.50	3	Horizontal	240	2.85
2462MHz	Pass	AV	2.4626G	108.29	Inf	-Inf	3	Vertical	186	1.88
2462MHz	Pass	AV	2.4835G	51.85	54.00	-2.15	3	Vertical	186	1.88
2462MHz	Pass	PK	2.4626G	118.51	Inf	-Inf	3	Vertical	186	1.88
2462MHz	Pass	PK	2.4836G	68.20	74.00	-5.80	3	Vertical	186	1.88
2462MHz	Pass	AV	2.4632G	105.27	Inf	-Inf	3	Horizontal	244	2.65
2462MHz	Pass	AV	2.4835G	50.15	54.00	-3.85	3	Horizontal	244	2.65
2462MHz	Pass	PK	2.4632G	115.31	Inf	-Inf	3	Horizontal	244	2.65
2462MHz	Pass	PK	2.4838G	66.38	74.00	-7.62	3	Horizontal	244	2.65
2462MHz	Pass	AV	4.9226G	31.63	54.00	-22.37	3	Vertical	67	1.94
2462MHz	Pass	AV	7.38452G	39.40	54.00	-14.60	3	Vertical	276	3.00
2462MHz	Pass	PK	4.9228G	46.15	74.00	-27.85	3	Vertical	67	1.94
2462MHz	Pass	PK	7.38872G	54.08	74.00	-19.92	3	Vertical	276	3.00
2462MHz	Pass	AV	4.924G	30.96	54.00	-23.04	3	Horizontal	169	1.50
2462MHz	Pass	AV	7.38664G	38.81	54.00	-15.19	3	Horizontal	205	1.06
2462MHz	Pass	PK	4.92444G	45.41	74.00	-28.59	3	Horizontal	169	1.50
2462MHz	Pass	PK	7.38636G	53.83	74.00	-20.17	3	Horizontal	205	1.06
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	52.71	54.00	-1.29	3	Vertical	247	2.36
2412MHz	Pass	AV	2.4126G	109.56	Inf	-Inf	3	Vertical	247	2.36
2412MHz	Pass	PK	2.39G	71.88	74.00	-2.12	3	Vertical	247	2.36
2412MHz	Pass	PK	2.4108G	122.88	Inf	-Inf	3	Vertical	247	2.36
2412MHz	Pass	AV	2.39G	51.43	54.00	-2.57	3	Horizontal	237	2.85
2412MHz	Pass	AV	2.411G	105.36	Inf	-Inf	3	Horizontal	237	2.85
2412MHz	Pass	PK	2.39G	67.39	74.00	-6.61	3	Horizontal	237	2.85
2412MHz	Pass	PK	2.4108G	118.52	Inf	-Inf	3	Horizontal	237	2.85

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	AV	4.82432G	28.60	54.00	-25.40	3	Vertical	360	1.50
2412MHz	Pass	PK	4.82452G	42.54	74.00	-31.46	3	Vertical	360	1.50
2412MHz	Pass	AV	4.82484G	29.59	54.00	-24.41	3	Horizontal	155	1.87
2412MHz	Pass	PK	4.8226G	42.99	74.00	-31.01	3	Horizontal	155	1.87
2417MHz	Pass	AV	2.39G	52.74	54.00	-1.26	3	Vertical	270	2.20
2417MHz	Pass	AV	2.4162G	109.51	Inf	-Inf	3	Vertical	270	2.20
2417MHz	Pass	PK	2.39G	69.63	74.00	-4.37	3	Vertical	270	2.20
2417MHz	Pass	PK	2.4158G	122.13	Inf	-Inf	3	Vertical	270	2.20
2417MHz	Pass	AV	2.39G	51.94	54.00	-2.06	3	Horizontal	240	2.88
2417MHz	Pass	AV	2.416G	104.92	Inf	-Inf	3	Horizontal	240	2.88
2417MHz	Pass	PK	2.3868G	68.98	74.00	-5.02	3	Horizontal	240	2.88
2417MHz	Pass	PK	2.4154G	118.01	Inf	-Inf	3	Horizontal	240	2.88
2437MHz	Pass	AV	2.3898G	49.27	54.00	-4.73	3	Vertical	61	1.66
2437MHz	Pass	AV	2.4362G	111.38	Inf	-Inf	3	Vertical	61	1.66
2437MHz	Pass	AV	2.4835G	48.97	54.00	-5.03	3	Vertical	61	1.66
2437MHz	Pass	PK	2.3894G	69.97	74.00	-4.03	3	Vertical	61	1.66
2437MHz	Pass	PK	2.4374G	123.67	Inf	-Inf	3	Vertical	61	1.66
2437MHz	Pass	PK	2.4954G	71.10	74.00	-2.90	3	Vertical	61	1.66
2437MHz	Pass	AV	2.3858G	48.90	54.00	-5.10	3	Horizontal	244	2.53
2437MHz	Pass	AV	2.4378G	107.38	Inf	-Inf	3	Horizontal	244	2.53
2437MHz	Pass	AV	2.4835G	53.36	54.00	-0.64	3	Horizontal	244	2.53
2437MHz	Pass	PK	2.3798G	68.57	74.00	-5.43	3	Horizontal	244	2.53
2437MHz	Pass	PK	2.4386G	120.13	Inf	-Inf	3	Horizontal	244	2.53
2437MHz	Pass	PK	2.4846G	72.83	74.00	-1.17	3	Horizontal	244	2.53
2437MHz	Pass	AV	4.87092G	33.73	54.00	-20.27	3	Vertical	86	2.89
2437MHz	Pass	AV	7.31532G	44.46	54.00	-9.54	3	Vertical	170	1.27
2437MHz	Pass	PK	4.86948G	47.13	74.00	-26.87	3	Vertical	86	2.89
2437MHz	Pass	PK	7.31464G	60.86	74.00	-13.14	3	Vertical	170	1.27
2437MHz	Pass	AV	4.87424G	31.86	54.00	-22.14	3	Horizontal	181	1.26
2437MHz	Pass	AV	7.3112G	47.05	54.00	-6.95	3	Horizontal	216	1.33
2437MHz	Pass	PK	4.8778G	45.97	74.00	-28.03	3	Horizontal	181	1.26
2437MHz	Pass	PK	7.31308G	63.76	74.00	-10.24	3	Horizontal	216	1.33
2457MHz	Pass	AV	2.4562G	109.45	Inf	-Inf	3	Vertical	249	2.22
2457MHz	Pass	AV	2.4836G	53.14	54.00	-0.86	3	Vertical	249	2.22
2457MHz	Pass	PK	2.4562G	122.18	Inf	-Inf	3	Vertical	249	2.22
2457MHz	Pass	PK	2.4928G	72.51	74.00	-1.49	3	Vertical	249	2.22
2457MHz	Pass	AV	2.4562G	105.38	Inf	-Inf	3	Horizontal	244	3.00
2457MHz	Pass	AV	2.4884G	52.31	54.00	-1.69	3	Horizontal	244	3.00
2457MHz	Pass	PK	2.4548G	118.27	Inf	-Inf	3	Horizontal	244	3.00
2457MHz	Pass	PK	2.4876G	71.83	74.00	-2.17	3	Horizontal	244	3.00
2462MHz	Pass	AV	2.4626G	107.67	Inf	-Inf	3	Vertical	246	2.00
2462MHz	Pass	AV	2.4835G	52.16	54.00	-1.84	3	Vertical	246	2.00
2462MHz	Pass	PK	2.4626G	120.39	Inf	-Inf	3	Vertical	246	2.00
2462MHz	Pass	PK	2.4838G	68.00	74.00	-6.00	3	Vertical	246	2.00
2462MHz	Pass	AV	2.461G	104.25	Inf	-Inf	3	Horizontal	239	2.75
2462MHz	Pass	AV	2.4835G	50.12	54.00	-3.88	3	Horizontal	239	2.75
2462MHz	Pass	PK	2.461G	117.07	Inf	-Inf	3	Horizontal	239	2.75
2462MHz	Pass	PK	2.4835G	63.99	74.00	-10.01	3	Horizontal	239	2.75
2462MHz	Pass	AV	4.92008G	31.18	54.00	-22.82	3	Vertical	68	1.95
2462MHz	Pass	AV	7.39024G	35.85	54.00	-18.15	3	Vertical	172	1.10
2462MHz	Pass	PK	4.92008G	44.92	74.00	-29.08	3	Vertical	68	1.95
2462MHz	Pass	PK	7.38892G	50.31	74.00	-23.69	3	Vertical	172	1.10
2462MHz	Pass	AV	4.924G	30.53	54.00	-23.47	3	Horizontal	172	1.50
2462MHz	Pass	AV	7.38852G	37.80	54.00	-16.20	3	Horizontal	203	1.50
2462MHz	Pass	PK	4.92348G	44.55	74.00	-29.45	3	Horizontal	172	1.50
2462MHz	Pass	PK	7.38828G	53.16	74.00	-20.84	3	Horizontal	203	1.50
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3836G	52.80	54.00	-1.20	3	Vertical	252	1.87
2422MHz	Pass	AV	2.4212G	105.02	Inf	-Inf	3	Vertical	252	1.87
2422MHz	Pass	AV	2.4835G	47.36	54.00	-6.64	3	Vertical	252	1.87
2422MHz	Pass	PK	2.3868G	69.96	74.00	-4.04	3	Vertical	252	1.87
2422MHz	Pass	PK	2.4228G	117.38	Inf	-Inf	3	Vertical	252	1.87

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2422MHz	Pass	PK	2.4835G	61.05	74.00	-12.95	3	Vertical	252	1.87
2422MHz	Pass	AV	2.39G	49.79	54.00	-4.21	3	Horizontal	241	2.87
2422MHz	Pass	AV	2.4196G	101.81	Inf	-Inf	3	Horizontal	241	2.87
2422MHz	Pass	AV	2.4835G	45.17	54.00	-8.83	3	Horizontal	241	2.87
2422MHz	Pass	PK	2.3848G	69.19	74.00	-4.81	3	Horizontal	241	2.87
2422MHz	Pass	PK	2.4184G	114.42	Inf	-Inf	3	Horizontal	241	2.87
2422MHz	Pass	PK	2.4856G	59.24	74.00	-14.76	3	Horizontal	241	2.87
2422MHz	Pass	AV	4.83984G	28.96	54.00	-25.04	3	Vertical	83	2.96
2422MHz	Pass	AV	7.25176G	34.69	54.00	-19.31	3	Vertical	170	1.39
2422MHz	Pass	PK	4.83952G	42.96	74.00	-31.04	3	Vertical	83	2.96
2422MHz	Pass	PK	7.2508G	48.26	74.00	-25.74	3	Vertical	170	1.39
2422MHz	Pass	AV	4.8488G	27.96	54.00	-26.04	3	Horizontal	133	1.93
2422MHz	Pass	AV	7.26744G	35.21	54.00	-18.79	3	Horizontal	217	1.50
2422MHz	Pass	PK	4.83608G	41.89	74.00	-32.11	3	Horizontal	133	1.93
2422MHz	Pass	PK	7.26992G	48.89	74.00	-25.11	3	Horizontal	217	1.50
2427MHz	Pass	AV	2.3874G	51.11	54.00	-2.89	3	Vertical	269	2.02
2427MHz	Pass	AV	2.4258G	105.02	Inf	-Inf	3	Vertical	269	2.02
2427MHz	Pass	AV	2.4835G	47.63	54.00	-6.37	3	Vertical	269	2.02
2427MHz	Pass	PK	2.3842G	68.30	74.00	-5.70	3	Vertical	269	2.02
2427MHz	Pass	PK	2.4246G	117.59	Inf	-Inf	3	Vertical	269	2.02
2427MHz	Pass	PK	2.4874G	63.38	74.00	-10.62	3	Vertical	269	2.02
2427MHz	Pass	AV	2.3806G	47.99	54.00	-6.01	3	Horizontal	243	2.88
2427MHz	Pass	AV	2.4226G	101.34	Inf	-Inf	3	Horizontal	243	2.88
2427MHz	Pass	AV	2.4835G	45.51	54.00	-8.49	3	Horizontal	243	2.88
2427MHz	Pass	PK	2.3886G	68.80	74.00	-5.20	3	Horizontal	243	2.88
2427MHz	Pass	PK	2.4238G	115.00	Inf	-Inf	3	Horizontal	243	2.88
2427MHz	Pass	PK	2.4998G	59.73	74.00	-14.27	3	Horizontal	243	2.88
2437MHz	Pass	AV	2.3898G	51.99	54.00	-2.01	3	Vertical	66	1.71
2437MHz	Pass	AV	2.4358G	106.22	Inf	-Inf	3	Vertical	66	1.71
2437MHz	Pass	AV	2.4835G	51.17	54.00	-2.83	3	Vertical	66	1.71
2437MHz	Pass	PK	2.387G	69.93	74.00	-4.07	3	Vertical	66	1.71
2437MHz	Pass	PK	2.4354G	119.69	Inf	-Inf	3	Vertical	66	1.71
2437MHz	Pass	PK	2.4898G	68.11	74.00	-5.89	3	Vertical	66	1.71
2437MHz	Pass	AV	2.3898G	47.71	54.00	-6.29	3	Horizontal	249	2.44
2437MHz	Pass	AV	2.439G	103.00	Inf	-Inf	3	Horizontal	249	2.44
2437MHz	Pass	AV	2.4835G	52.08	54.00	-1.92	3	Horizontal	249	2.44
2437MHz	Pass	PK	2.3846G	64.29	74.00	-9.71	3	Horizontal	249	2.44
2437MHz	Pass	PK	2.4394G	115.39	Inf	-Inf	3	Horizontal	249	2.44
2437MHz	Pass	PK	2.4835G	67.38	74.00	-6.62	3	Horizontal	249	2.44
2437MHz	Pass	AV	4.87128G	30.27	54.00	-23.73	3	Vertical	86	2.90
2437MHz	Pass	AV	7.30628G	34.69	54.00	-19.31	3	Vertical	168	1.50
2437MHz	Pass	PK	4.87176G	44.16	74.00	-29.84	3	Vertical	86	2.90
2437MHz	Pass	PK	7.30876G	48.57	74.00	-25.43	3	Vertical	168	1.50
2437MHz	Pass	AV	4.87408G	28.71	54.00	-25.29	3	Horizontal	182	1.10
2437MHz	Pass	AV	7.30332G	36.70	54.00	-17.30	3	Horizontal	216	1.76
2437MHz	Pass	PK	4.8732G	42.82	74.00	-31.18	3	Horizontal	182	1.10
2437MHz	Pass	PK	7.32108G	51.10	74.00	-22.90	3	Horizontal	216	1.76
2447MHz	Pass	AV	2.3878G	46.84	54.00	-7.16	3	Vertical	61	1.69
2447MHz	Pass	AV	2.4462G	104.80	Inf	-Inf	3	Vertical	61	1.69
2447MHz	Pass	AV	2.4842G	53.75	54.00	-0.25	3	Vertical	61	1.69
2447MHz	Pass	PK	2.3834G	61.35	74.00	-12.65	3	Vertical	61	1.69
2447MHz	Pass	PK	2.4462G	118.54	Inf	-Inf	3	Vertical	61	1.69
2447MHz	Pass	PK	2.4835G	70.29	74.00	-3.71	3	Vertical	61	1.69
2447MHz	Pass	AV	2.3894G	44.90	54.00	-9.10	3	Horizontal	246	2.52
2447MHz	Pass	AV	2.4482G	102.09	Inf	-Inf	3	Horizontal	246	2.52
2447MHz	Pass	AV	2.4886G	50.98	54.00	-3.02	3	Horizontal	246	2.52
2447MHz	Pass	PK	2.387G	59.05	74.00	-14.95	3	Horizontal	246	2.52
2447MHz	Pass	PK	2.4462G	115.06	Inf	-Inf	3	Horizontal	246	2.52
2447MHz	Pass	PK	2.4835G	71.18	74.00	-2.82	3	Horizontal	246	2.52
2452MHz	Pass	AV	2.3896G	47.34	54.00	-6.66	3	Vertical	77	1.03
2452MHz	Pass	AV	2.4532G	104.90	Inf	-Inf	3	Vertical	77	1.03
2452MHz	Pass	AV	2.4904G	53.36	54.00	-0.64	3	Vertical	77	1.03



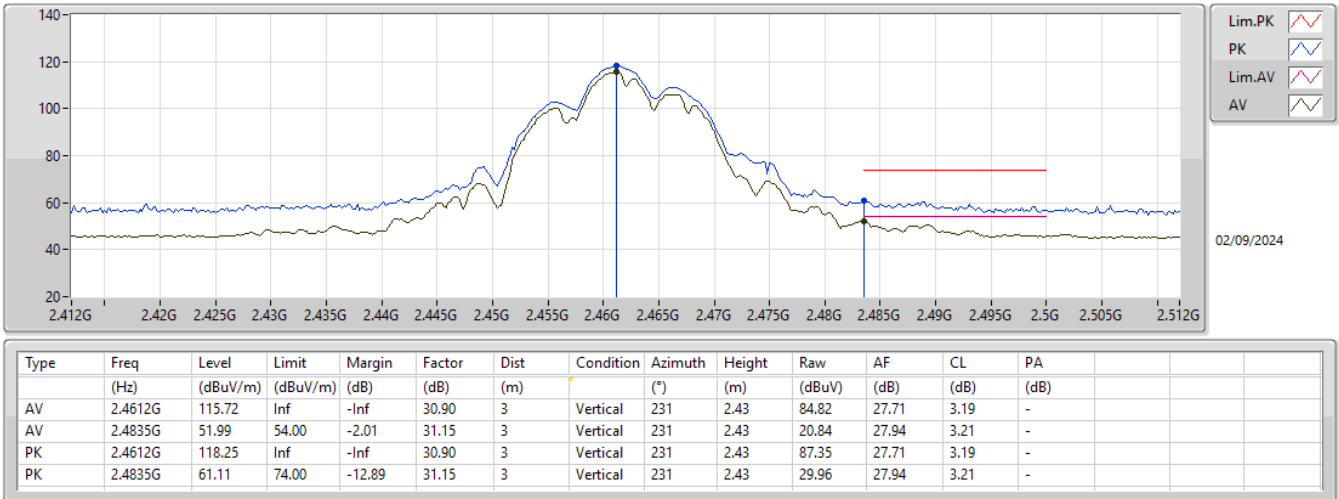
RSE TX above 1GHz_Non-Beamforming

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2452MHz	Pass	PK	2.3868G	61.60	74.00	-12.40	3	Vertical	77	1.03
2452MHz	Pass	PK	2.4512G	117.41	Inf	-Inf	3	Vertical	77	1.03
2452MHz	Pass	PK	2.492G	69.10	74.00	-4.90	3	Vertical	77	1.03
2452MHz	Pass	AV	2.3896G	44.94	54.00	-9.06	3	Horizontal	247	2.35
2452MHz	Pass	AV	2.4532G	101.42	Inf	-Inf	3	Horizontal	247	2.35
2452MHz	Pass	AV	2.494G	51.55	54.00	-2.45	3	Horizontal	247	2.35
2452MHz	Pass	PK	2.3828G	58.44	74.00	-15.56	3	Horizontal	247	2.35
2452MHz	Pass	PK	2.4528G	114.51	Inf	-Inf	3	Horizontal	247	2.35
2452MHz	Pass	PK	2.4888G	70.47	74.00	-3.53	3	Horizontal	247	2.35
2452MHz	Pass	AV	4.9008G	29.88	54.00	-24.12	3	Vertical	86	2.97
2452MHz	Pass	AV	7.36048G	34.35	54.00	-19.65	3	Vertical	169	1.20
2452MHz	Pass	PK	4.90136G	43.88	74.00	-30.12	3	Vertical	86	2.97
2452MHz	Pass	PK	7.36168G	48.12	74.00	-25.88	3	Vertical	169	1.20
2452MHz	Pass	AV	4.90368G	28.84	54.00	-25.16	3	Horizontal	176	1.38
2452MHz	Pass	AV	7.35864G	35.62	54.00	-18.38	3	Horizontal	203	1.50
2452MHz	Pass	PK	4.88448G	42.28	74.00	-31.72	3	Horizontal	176	1.38
2452MHz	Pass	PK	7.35944G	49.38	74.00	-24.62	3	Horizontal	203	1.50

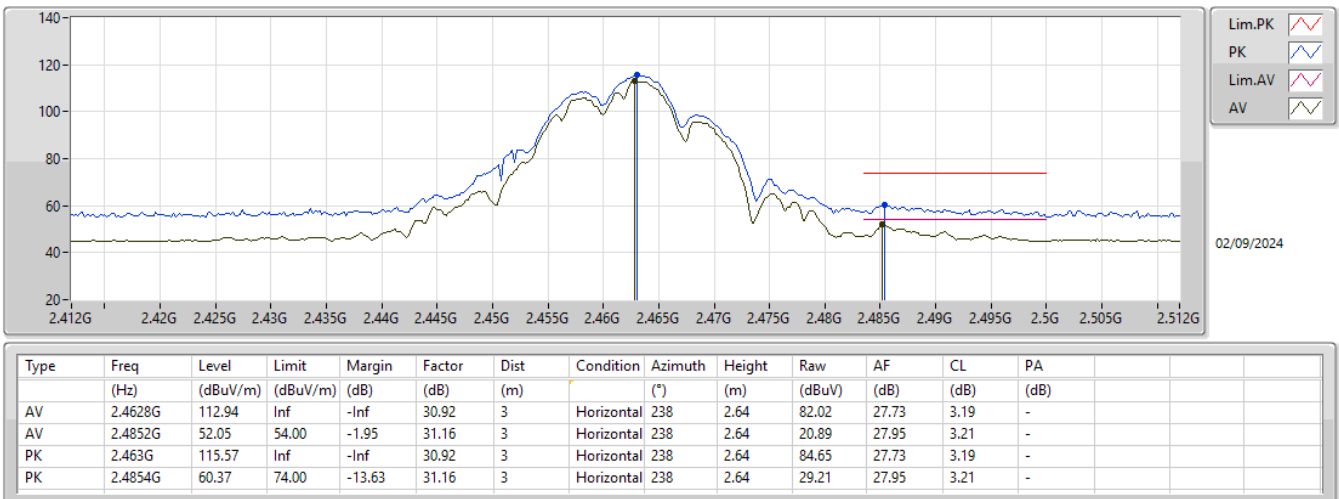
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX



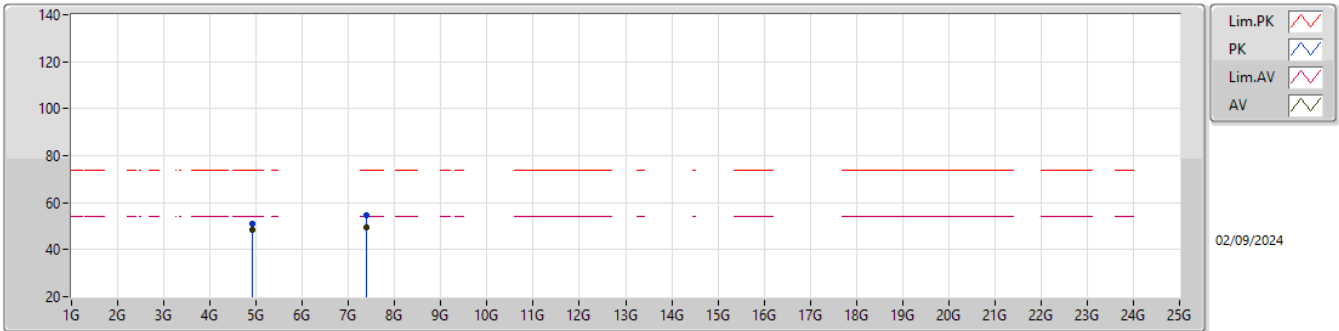
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX



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

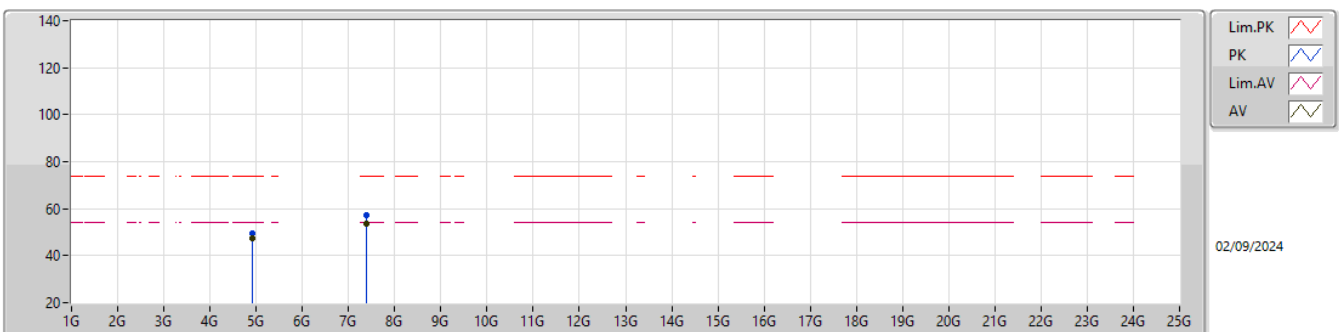
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.92394G	48.46	54.00	-5.54	-6.28	3	Vertical	88	3.00	54.74	33.09	4.67	44.04
AV	7.38768G	49.74	54.00	-4.26	-0.79	3	Vertical	236	1.87	50.53	36.77	6.08	43.64
PK	4.92394G	50.79	74.00	-23.21	-6.28	3	Vertical	88	3.00	57.07	33.09	4.67	44.04
PK	7.38744G	54.54	74.00	-19.46	-0.78	3	Vertical	236	1.87	55.32	36.78	6.08	43.64

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

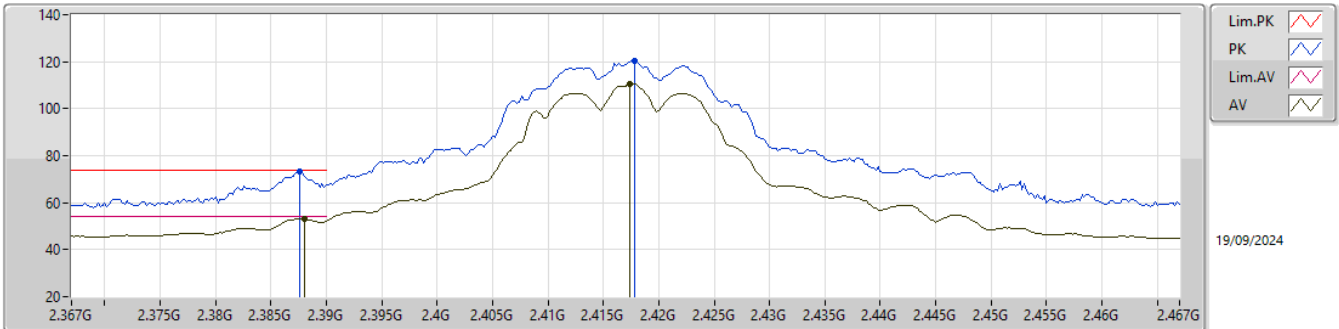
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	4.924G	47.23	54.00	-6.77	-6.28	3	Horizontal	146	1.61	53.51	33.09	4.67	44.04
AV	7.38474G	53.39	54.00	-0.61	-0.77	3	Horizontal	204	1.60	54.16	36.79	6.08	43.64
PK	4.92394G	49.61	74.00	-24.39	-6.28	3	Horizontal	146	1.61	55.89	33.09	4.67	44.04
PK	7.38492G	57.27	74.00	-16.73	-0.77	3	Horizontal	204	1.60	58.04	36.79	6.08	43.64

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

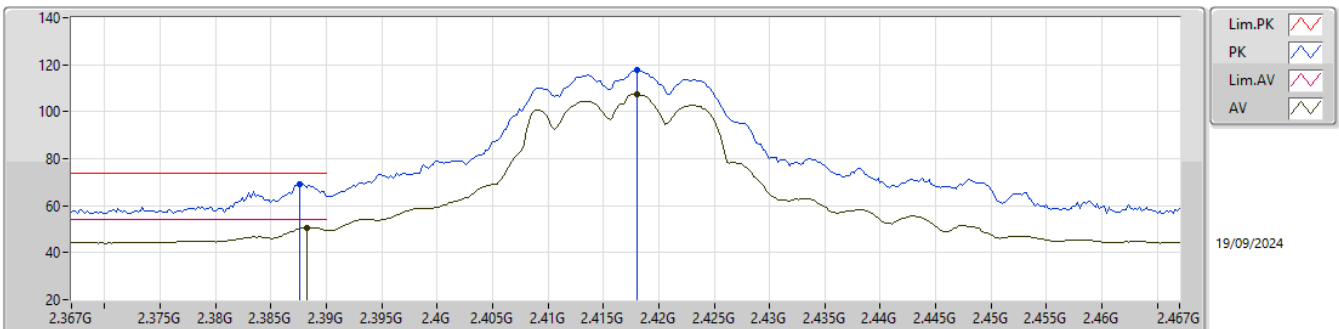
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.388G	53.22	54.00	-0.78	30.53	3	Vertical	197	2.18	22.69	27.38	3.15	-
AV	2.4174G	110.68	Inf	-Inf	30.70	3	Vertical	197	2.18	79.98	27.53	3.17	-
PK	2.3876G	73.40	74.00	-0.60	30.53	3	Vertical	197	2.18	42.87	27.38	3.15	-
PK	2.4178G	120.29	Inf	-Inf	30.69	3	Vertical	197	2.18	89.60	27.52	3.17	-

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

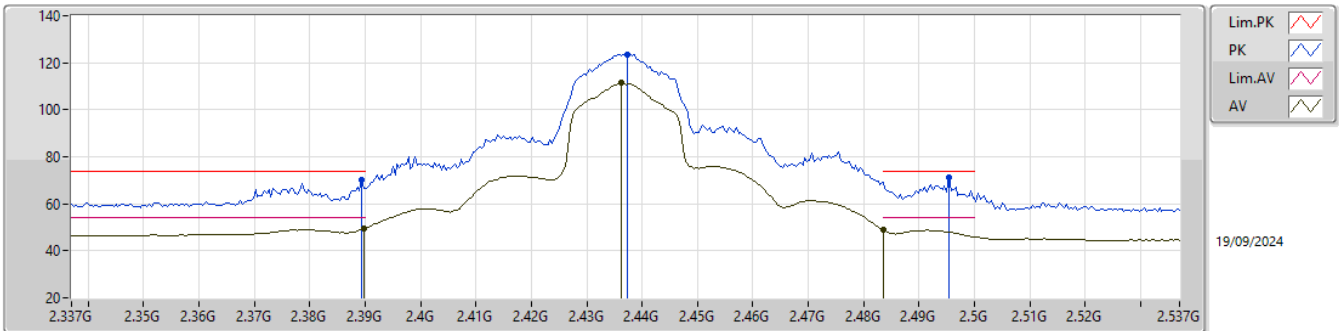
2417MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3882G	50.60	54.00	-3.40	30.53	3	Horizontal	243	2.87	20.07	27.38	3.15	-
AV	2.418G	107.43	Inf	-Inf	30.69	3	Horizontal	243	2.87	76.74	27.52	3.17	-
PK	2.3876G	69.37	74.00	-4.63	30.53	3	Horizontal	243	2.87	38.84	27.38	3.15	-
PK	2.418G	117.51	Inf	-Inf	30.69	3	Horizontal	243	2.87	86.82	27.52	3.17	-

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

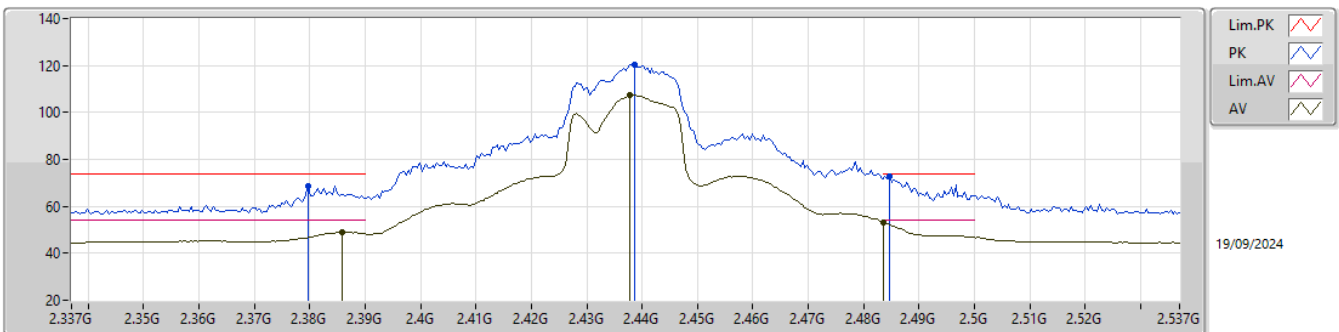
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	49.27	54.00	-4.73	30.55	3	Vertical	61	1.66	18.72	27.40	3.15	-
AV	2.4362G	111.38	Inf	-Inf	30.84	3	Vertical	61	1.66	80.54	27.66	3.18	-
AV	2.4835G	48.97	54.00	-5.03	31.14	3	Vertical	61	1.66	17.83	27.93	3.21	-
PK	2.3894G	69.97	74.00	-4.03	30.54	3	Vertical	61	1.66	39.43	27.39	3.15	-
PK	2.4374G	123.67	Inf	-Inf	30.85	3	Vertical	61	1.66	92.82	27.67	3.18	-
PK	2.4954G	71.10	74.00	-2.90	31.16	3	Vertical	61	1.66	39.94	27.95	3.21	-

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

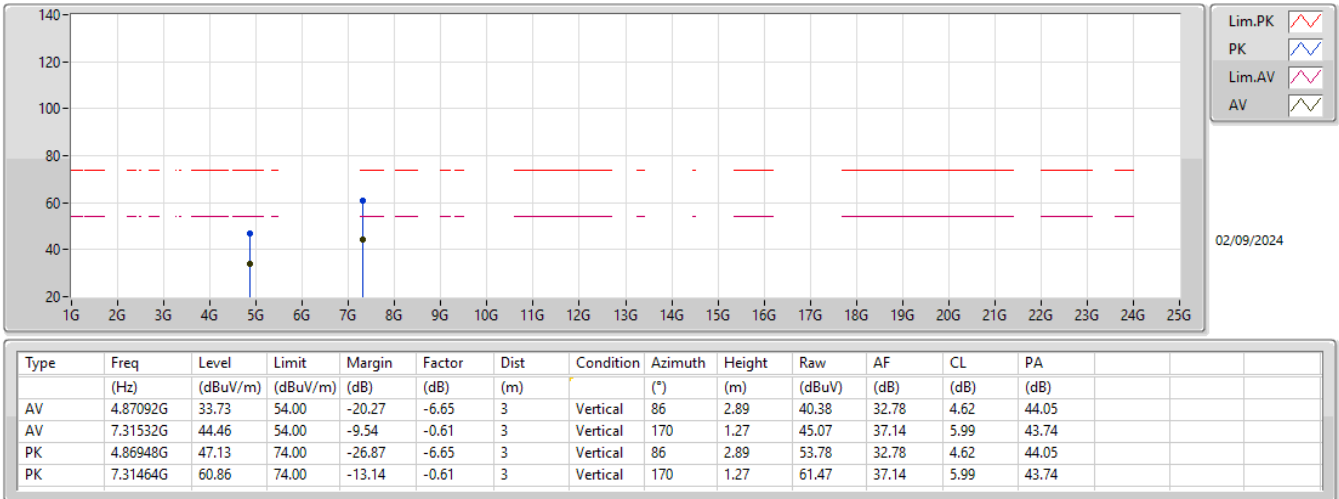
2437MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3858G	48.90	54.00	-5.10	30.51	3	Horizontal	244	2.53	18.39	27.36	3.15	-
AV	2.4378G	107.38	Inf	-Inf	30.86	3	Horizontal	244	2.53	76.52	27.68	3.18	-
AV	2.4835G	53.36	54.00	-0.64	31.14	3	Horizontal	244	2.53	22.22	27.93	3.21	-
PK	2.3798G	68.57	74.00	-5.43	30.45	3	Horizontal	244	2.53	38.12	27.30	3.15	-
PK	2.4386G	120.13	Inf	-Inf	30.87	3	Horizontal	244	2.53	89.26	27.69	3.18	-
PK	2.4846G	72.83	74.00	-1.17	31.16	3	Horizontal	244	2.53	41.67	27.95	3.21	-

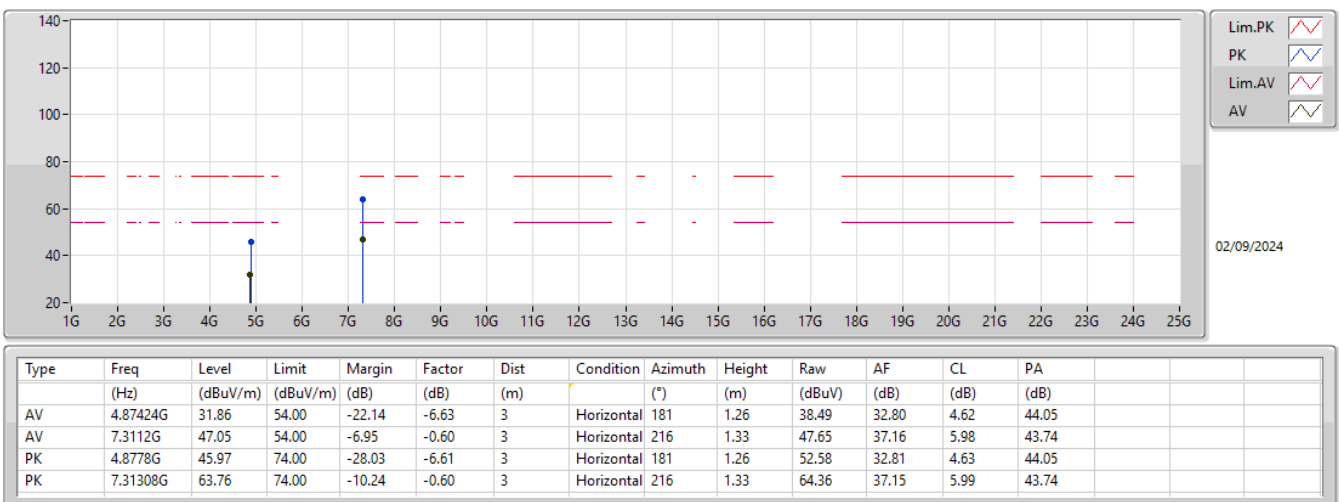
2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2437MHz_TX



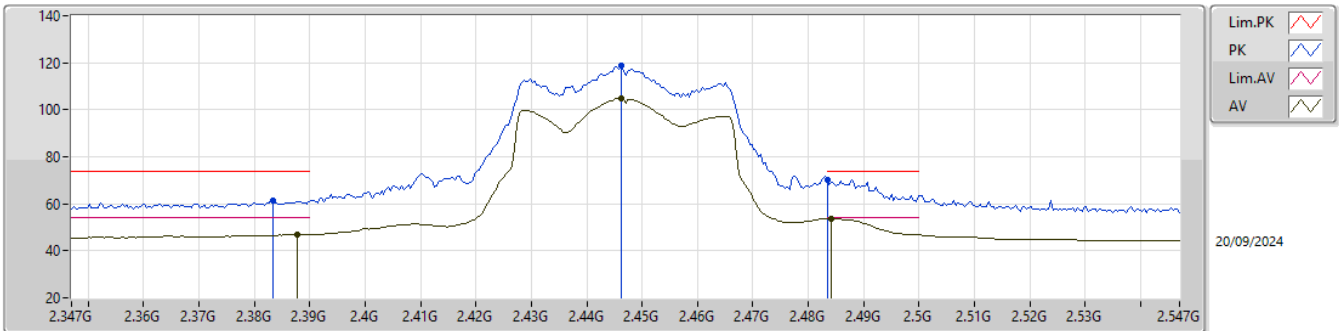
2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

2437MHz_TX



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

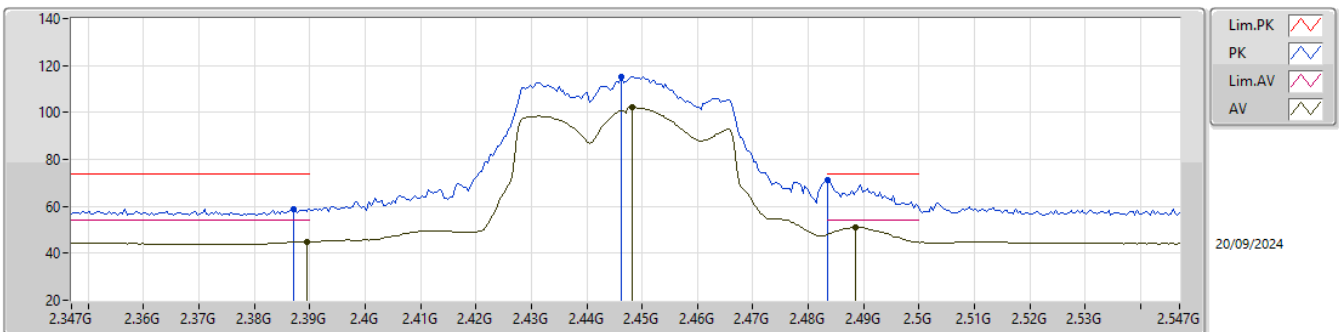
2447MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3878G	46.84	54.00	-7.16	30.53	3	Vertical	61	1.69	16.31	27.38	3.15	-
AV	2.4462G	104.80	Inf	-Inf	30.89	3	Vertical	61	1.69	73.91	27.70	3.19	-
AV	2.4842G	53.75	54.00	-0.25	31.15	3	Vertical	61	1.69	22.60	27.94	3.21	-
PK	2.3834G	61.35	74.00	-12.65	30.48	3	Vertical	61	1.69	30.87	27.33	3.15	-
PK	2.4462G	118.54	Inf	-Inf	30.89	3	Vertical	61	1.69	87.65	27.70	3.19	-
PK	2.4835G	70.29	74.00	-3.71	31.14	3	Vertical	61	1.69	39.15	27.93	3.21	-

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

2447MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	44.90	54.00	-9.10	30.54	3	Horizontal	246	2.52	14.36	27.39	3.15	-
AV	2.4482G	102.09	Inf	-Inf	30.89	3	Horizontal	246	2.52	71.20	27.70	3.19	-
AV	2.4886G	50.98	54.00	-3.02	31.20	3	Horizontal	246	2.52	19.78	27.99	3.21	-
PK	2.387G	59.05	74.00	-14.95	30.52	3	Horizontal	246	2.52	28.53	27.37	3.15	-
PK	2.4462G	115.06	Inf	-Inf	30.89	3	Horizontal	246	2.52	84.17	27.70	3.19	-
PK	2.4835G	71.18	74.00	-2.82	31.14	3	Horizontal	246	2.52	40.04	27.93	3.21	-



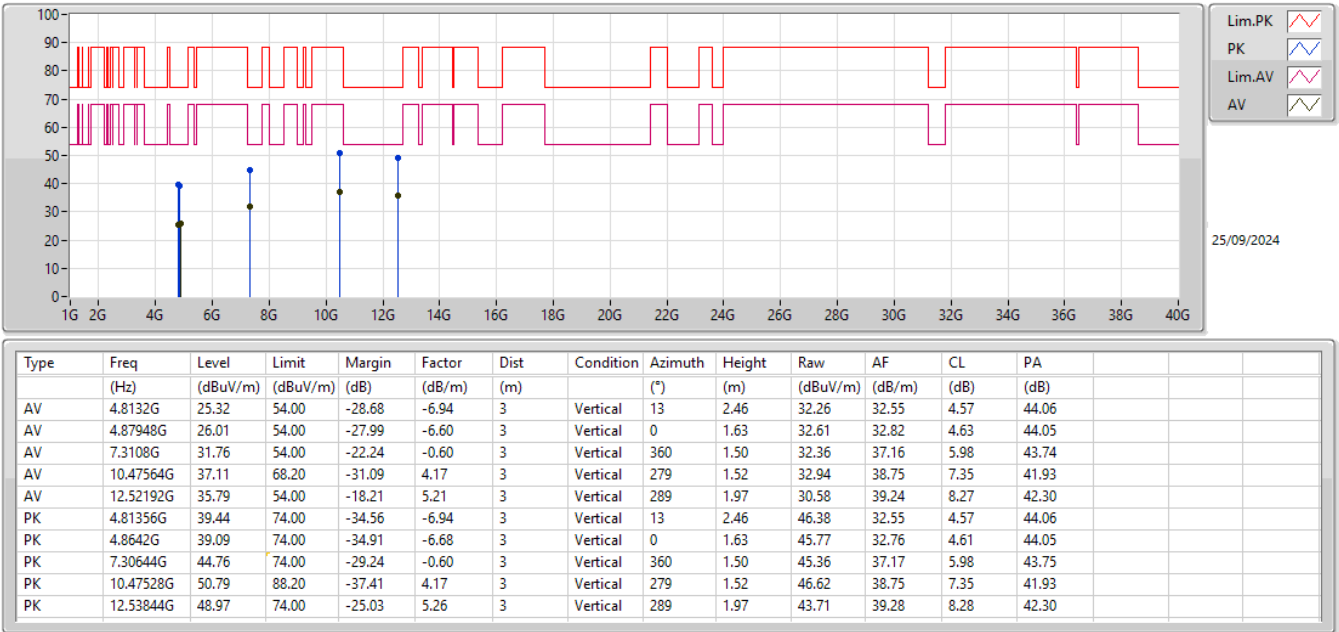
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	12.53192G	35.81	54.00	-18.19	Horizontal
Mode 2	Pass	AV	7.31156G	53.71	54.00	-0.29	Vertical

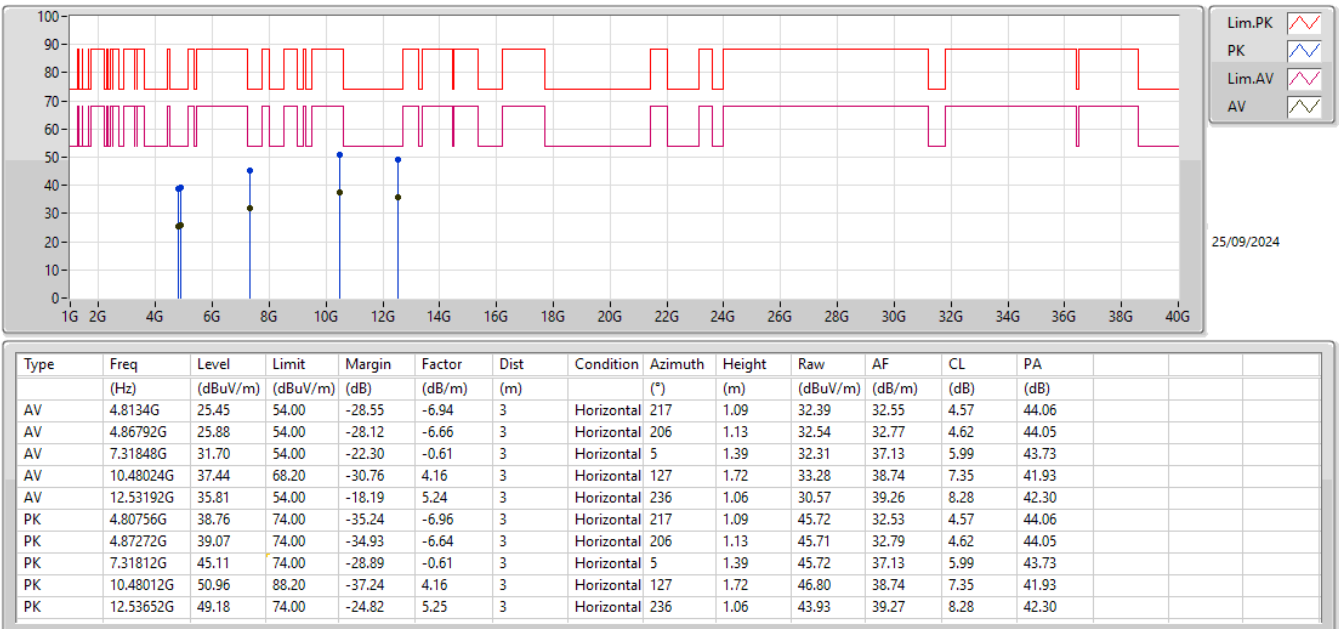
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	4.8132G	25.32	54.00	-28.68	3	Vertical	13	2.46
Mode 1	Pass	AV	4.87948G	26.01	54.00	-27.99	3	Vertical	0	1.63
Mode 1	Pass	AV	7.3108G	31.76	54.00	-22.24	3	Vertical	360	1.50
Mode 1	Pass	AV	10.47564G	37.11	68.20	-31.09	3	Vertical	279	1.52
Mode 1	Pass	AV	12.52192G	35.79	54.00	-18.21	3	Vertical	289	1.97
Mode 1	Pass	PK	4.81356G	39.44	74.00	-34.56	3	Vertical	13	2.46
Mode 1	Pass	PK	4.8642G	39.09	74.00	-34.91	3	Vertical	0	1.63
Mode 1	Pass	PK	7.30644G	44.76	74.00	-29.24	3	Vertical	360	1.50
Mode 1	Pass	PK	10.47528G	50.79	88.20	-37.41	3	Vertical	279	1.52
Mode 1	Pass	PK	12.53844G	48.97	74.00	-25.03	3	Vertical	289	1.97
Mode 1	Pass	AV	4.8134G	25.45	54.00	-28.55	3	Horizontal	217	1.09
Mode 1	Pass	AV	4.86792G	25.88	54.00	-28.12	3	Horizontal	206	1.13
Mode 1	Pass	AV	7.31848G	31.70	54.00	-22.30	3	Horizontal	5	1.39
Mode 1	Pass	AV	10.48024G	37.44	68.20	-30.76	3	Horizontal	127	1.72
Mode 1	Pass	AV	12.53192G	35.81	54.00	-18.19	3	Horizontal	236	1.06
Mode 1	Pass	PK	4.80756G	38.76	74.00	-35.24	3	Horizontal	217	1.09
Mode 1	Pass	PK	4.87272G	39.07	74.00	-34.93	3	Horizontal	206	1.13
Mode 1	Pass	PK	7.31812G	45.11	74.00	-28.89	3	Horizontal	5	1.39
Mode 1	Pass	PK	10.48012G	50.96	88.20	-37.24	3	Horizontal	127	1.72
Mode 1	Pass	PK	12.53652G	49.18	74.00	-24.82	3	Horizontal	236	1.06
Mode 2	Pass	AV	4.81104G	30.60	54.00	-23.40	3	Vertical	262	1.79
Mode 2	Pass	AV	4.87392G	41.93	54.00	-12.07	3	Vertical	98	2.89
Mode 2	Pass	AV	7.31156G	53.71	54.00	-0.29	3	Vertical	272	3.00
Mode 2	Pass	AV	10.482G	40.03	68.20	-28.17	3	Vertical	39	1.61
Mode 2	Pass	AV	12.508G	39.06	54.00	-14.94	3	Vertical	286	2.92
Mode 2	Pass	PK	4.8108G	40.07	74.00	-33.93	3	Vertical	263	1.98
Mode 2	Pass	PK	4.87408G	51.96	74.00	-22.04	3	Vertical	98	2.89
Mode 2	Pass	PK	7.30596G	65.18	74.00	-8.82	3	Vertical	267	3.00
Mode 2	Pass	PK	10.482G	50.32	88.20	-37.88	3	Vertical	39	1.61
Mode 2	Pass	PK	12.5712G	50.11	74.00	-23.89	3	Vertical	286	1.37
Mode 2	Pass	AV	4.81284G	34.30	54.00	-19.70	3	Horizontal	158	2.10
Mode 2	Pass	AV	4.87384G	43.83	54.00	-10.17	3	Horizontal	120	2.18
Mode 2	Pass	AV	7.31028G	52.37	54.00	-1.63	3	Horizontal	205	1.00
Mode 2	Pass	AV	10.4817G	39.46	68.20	-28.74	3	Horizontal	54	1.83
Mode 2	Pass	AV	12.53G	39.71	54.00	-14.29	3	Horizontal	253	1.55
Mode 2	Pass	PK	4.81016G	41.44	74.00	-32.56	3	Horizontal	158	2.02
Mode 2	Pass	PK	4.87424G	54.41	74.00	-19.59	3	Horizontal	120	2.18
Mode 2	Pass	PK	7.30588G	64.26	74.00	-9.74	3	Horizontal	205	1.00
Mode 2	Pass	PK	10.4565G	50.44	88.20	-37.76	3	Horizontal	54	2.43
Mode 2	Pass	PK	12.5288G	51.10	74.00	-22.90	3	Horizontal	253	1.50

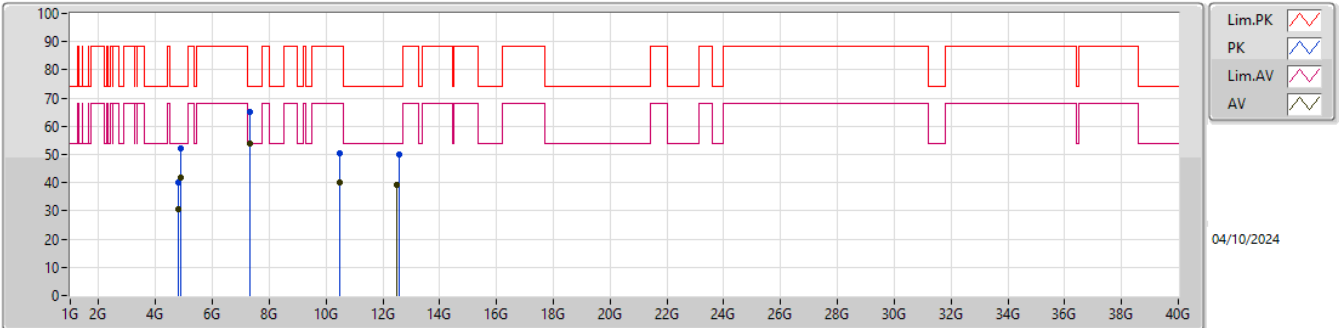
Radiated Emissions above 1GHz_Mode 1



Radiated Emissions above 1GHz_Mode 1

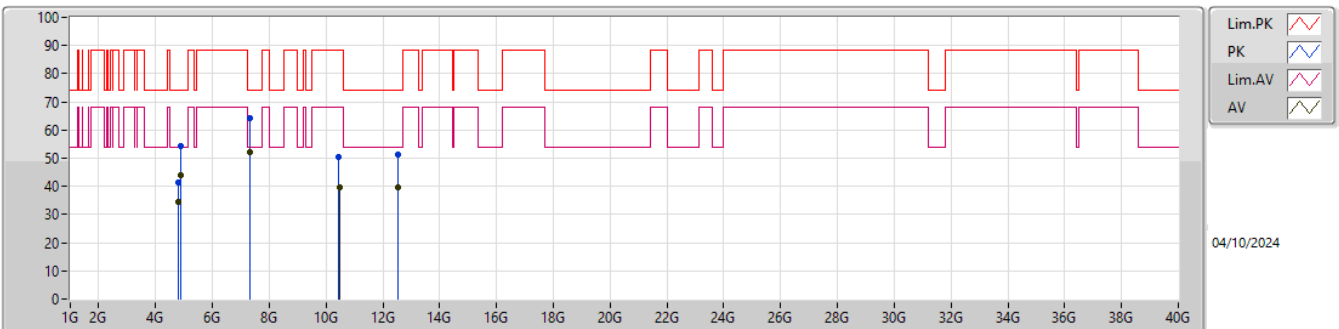


Radiated Emissions above 1GHz_Mode 2



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	4.81104G	30.60	54.00	-23.40	-1.45	3	Vertical	262	1.79	32.05	32.57	4.21	38.23
AV	4.87392G	41.93	54.00	-12.07	-1.17	3	Vertical	98	2.89	43.10	32.80	4.24	38.21
AV	7.31156G	53.71	54.00	-0.29	6.28	3	Vertical	272	3.00	47.43	37.25	6.00	36.97
AV	10.482G	40.03	68.20	-28.17	9.11	3	Vertical	39	1.61	30.92	39.04	7.63	37.56
AV	12.508G	39.06	54.00	-14.94	9.70	3	Vertical	286	2.92	29.36	39.22	8.68	38.20
PK	4.8108G	40.07	74.00	-33.93	-1.46	3	Vertical	263	1.98	41.53	32.56	4.21	38.23
PK	4.87408G	51.96	74.00	-22.04	-1.17	3	Vertical	98	2.89	53.13	32.80	4.24	38.21
PK	7.30596G	65.18	74.00	-8.82	6.29	3	Vertical	267	3.00	58.89	37.28	5.99	36.98
PK	10.482G	50.32	88.20	-37.88	9.11	3	Vertical	39	1.61	41.21	39.04	7.63	37.56
PK	12.5712G	50.11	74.00	-23.89	9.81	3	Vertical	286	1.37	40.30	39.34	8.72	38.25

Radiated Emissions above 1GHz_Mode 2



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	4.81284G	34.30	54.00	-19.70	-1.43	3	Horizontal	158	2.10	35.73	32.58	4.22	38.23
AV	4.87384G	43.83	54.00	-10.17	-1.17	3	Horizontal	120	2.18	45.00	32.80	4.24	38.21
AV	7.31028G	52.37	54.00	-1.63	6.29	3	Horizontal	205	1.00	46.08	37.26	6.00	36.97
AV	10.4817G	39.46	68.20	-28.74	9.11	3	Horizontal	54	1.83	30.35	39.04	7.63	37.56
AV	12.53G	39.71	54.00	-14.29	9.74	3	Horizontal	253	1.55	29.97	39.26	8.70	38.22
PK	4.81016G	41.44	74.00	-32.56	-1.46	3	Horizontal	158	2.02	42.90	32.56	4.21	38.23
PK	4.87424G	54.41	74.00	-19.59	-1.17	3	Horizontal	120	2.18	55.58	32.80	4.24	38.21
PK	7.30588G	64.26	74.00	-9.74	6.29	3	Horizontal	205	1.00	57.97	37.28	5.99	36.98
PK	10.4565G	50.44	88.20	-37.76	9.13	3	Horizontal	54	2.43	41.31	39.09	7.61	37.57
PK	12.5288G	51.10	74.00	-22.90	9.74	3	Horizontal	253	1.50	41.36	39.26	8.70	38.22