

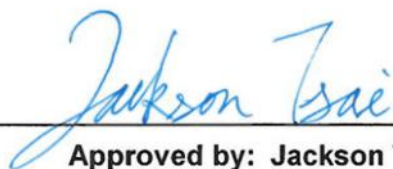


FCC Radio Test Report

FCC ID : QXO-AP4020
Equipment : Access Point
Brand Name : Extreme Networks
Model Name : AP4020
Applicant : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North
Carolina United States 27560
Manufacturer : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North
Carolina United States 27560
Standard : 47 CFR FCC Part 15.247

The product was received on Jun. 27, 2024, and testing was started from Oct. 16, 2024 and completed on Nov. 12, 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
FR462705AC	01	Initial issue of report	Feb. 07, 2025

Summary of Test Result

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

Declaration of Conformity:

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

Comments and explanations:

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

Reviewed by: Barry Hsiao

Report Producer: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax(HEW20), be(EHT20)	2412-2462	1-11 [11]

Non-Beamforming_Radio 1_1T1S

Band	Mode	BWch	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11be EHT20	20	1TX

Non-Beamforming_Radio 1_2T1S

Band	Mode	BWch	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11be EHT20	20	2TX

Non-Beamforming_Radio 1_2T2S

Band	Mode	BWch	Nant
2.4-2.4835GHz	802.11be EHT20	20	2TX

Beamforming_Radio 1_2T1S

Band	Mode	BWch	Nant
2.4-2.4835GHz	802.11be EHT20-BF	20	2TX

Radio 1_Scan_1T1S

Band	Mode	BWch	Nant
2.4-2.4835GHz	b20	20	1TX
2.4-2.4835GHz	g20	20	1TX

Note:

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

**1.1.2 Antenna Information**

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Sercomm	6172005QWA01	PIFA	I-Pex	2.4G+5G	Radio 1_2.4G
						Radio 2_5G
2	Sercomm	6172005QWA02	PIFA	I-Pex	2.4G+5G	Radio 1_2.4G
						Radio 2_5G
3	Sercomm	6172005QWA04	PIFA	I-Pex	5G	Radio 3_5G
4	Sercomm	6172005QWA05	PIFA	I-Pex	5G	Radio 3_5G
5	Sercomm	6172005QWA06	PIFA	I-Pex	6G	Radio 3_6G
6	Sercomm	6172005QWA07	PIFA	I-Pex	6G	Radio 3_6G
7	Sercomm	6172005QWA03	PIFA	I-Pex	2.4G+5G+6G	Radio 1_Scan
8	Sercomm	6172005QWA08	PIFA	I-Pex	BT	BLE_chain 0
9	Sercomm	6172005QWA09	PIFA	I-Pex	BT	BLE_chain 1_H
10	Sercomm	6172005QWA10	PIFA	I-Pex	BT	BLE_chain 1_V
11	Sercomm	6172005QWA11	PIFA	I-Pex	GPS	N/A

Ant.	Port	Gain (dBi)											
		2.4G	5G				6G				BT chain 0	BT chain 1_H	BT chain 1_V
			UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8			
1	1	1.53	2.94	3.56	4.68	5.34	-	-	-	-	-	-	-
2	2	1.36	2.3	2.23	2.37	2.92	-	-	-	-	-	-	-
3	1	-	3.49	3.73	-	-	-	-	-	-	-	-	-
4	2	-	2.69	2.56	-	-	-	-	-	-	-	-	-
5	1	-	-	-	-	-	5.48	5.28	5.85	4.31	-	-	-
6	2	-	-	-	-	-	2.82	2.9	2.64	2.43	-	-	-
7	1	2.22	3.14	3.33	3.41	4.5	5.35	4.73	4.59	4.69	-	-	-
8	1	-	-	-	-	-	-	-	-	-	1.58	-	-
9	1	-	-	-	-	-	-	-	-	-	-	2.24	-
10	2	-	-	-	-	-	-	-	-	-	-	-	1.8



Composite Gain (dBi)										
Ant.		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
1~2	DG [1SS]	1.55	3.19	4.6	5.41	5.34	-	-	-	-
	DG [2SS]	1.53	2.94	3.56	4.68	5.34	-	-	-	-
3~4	DG [1SS]	-	5.77	5.82	-	-	-	-	-	-
	DG [2SS]	-	3.49	3.73	-	-	-	-	-	-
5~6	DG [1SS]	-	-	-	-	-	5.58	5.33	5.93	5.02
	DG [2SS]	-	-	-	-	-	5.48	5.28	5.85	4.31

Note 1: The EUT has eleven 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 AP462705.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax/be mode (1TX/2RX) (Radio 1)

Ant. 1 (port 1) could transmit/receive.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Radio 1)

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

For b20, g20 mode (1TX/1RX) (Radio 1_Scan)

Ant. 7 (port 1) could transmit/receive.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (1TX/2RX) (Radio 2)

Ant. 1 (port 1) could transmit/receive.

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

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

For IEEE 802.11 a/n/ac/ax/be mode (1TX/2RX) (Radio 3)

Ant. 3 (port 1) could transmit/receive.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/2RX) (Radio 3)

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

For a20, a40, a80, a160 (1TX/1RX) (Radio 1_Scan)

Ant. 7 (port 1) could transmit/receive.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX) (Chain 0)

Ant. 8 (port 1) could transmit/receive.

For IEEE 802.15.1 Bluetooth mode (1TX/2RX) (Chain 1)

Ant. 9 (port 1) or Ant. 10 (port 2) could transmit/receive

Support diversity function and pre-tested on each single chain, the worst case was Ant. 10 (port 2) and it was recorded in this test report.

For 6GHz function:

For IEEE 802.11 a/ax/be mode (1TX/2RX) (Radio3)

Ant. 5 (port 1) could transmit/receive.

For IEEE 802.11 a/ax/be mode (2TX/2RX) (Radio 3)

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

For 11a20, 11a40, 11a80, 11a160 (1TX/1RX) (Radio 1_Scan)

Ant. 7 (port 1) could transmit/receive.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter / PoE		
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_Radio 1_1T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_1TX	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_1TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_1TX	0.989	0.05	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.

Non-Beamforming_Radio 1_2T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11b_Nss1,(1Mbps)_2TX	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_2TX	0.989	0.05	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.

Non-Beamforming_Radio 1_2T2S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20_Nss2,(MCS0)_2TX	0.989	0.05	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_Radio 1_2T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20-BF_Nss1,(MCS0)_2TX	0.989	0.05	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.

**Radio 1 Scan 1T1S**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
b20_Nss1,(1Mbps)_1TX	0.929	0.32	8.422m	200
g20_Nss1,(6Mbps)_1TX	0.685	1.64	1.4m	1k

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	Rian Chung	20.1~21.1℃ / 53~58%	23/Oct/2024~24/Oct/2024
RF Conducted	TH07-HY	Raven Chien	22.2~23.3℃ / 47~55%	19/Oct/2024~05/Nov/2024
RF Conducted (Radio 1_Scan)	TH01-HY	Jin Jing	22.5~23.9℃ / 45~53%	08/Nov/2024~12/Nov/2024
Radiated (Radio 1_Scan)	03CH02-HY	Edward Wang	20.4~22.3℃ / 50~52%	29/Oct/2024~01/Nov/2024
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated (Below 1GHz)	03CH24-HY	Billy Wang	20.6~23.1℃ / 55~56%	16/Oct/2024~17/Oct/2024
Radiated (Above 1GHz)	03CH25-HY	Rian Chung	21.3~23.2℃ / 51~56%	28/Oct/2024~30/Oct/2024
Radiated (Co-location)	03CH24-HY	Billy Wang	20.7~22.5℃ / 53~54%	01/Nov/2024

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Non-Beamforming_Radio 1_1T1S

Test Software Version	accessMTool_REL_3_3_0_4
-----------------------	-------------------------

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	80
2417MHz	80
2437MHz	80
2457MHz	72
2462MHz	73
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	76
2417MHz	80
2437MHz	80
2457MHz	74
2462MHz	72
802.11be EHT20_Nss1,(MCS0)_1TX	-
2412MHz	75
2417MHz	80
2437MHz	80
2457MHz	73
2462MHz	72

**Non-Beamforming_Radio 1_2T1S**

Test Software Version	accessMTool_REL_3_3_0_4
------------------------------	-------------------------

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	70
2417MHz	80
2437MHz	80
2457MHz	72
2462MHz	73
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	72
2417MHz	75
2437MHz	80
2457MHz	71
2462MHz	68
802.11be EHT20_Nss1,(MCS0)_2TX	-
2412MHz	72
2417MHz	74
2437MHz	79
2457MHz	71
2462MHz	69

Non-Beamforming_Radio 1_2T2S

Test Software Version	accessMTool_REL_3_3_0_4
------------------------------	-------------------------

Mode	Power Setting
802.11be EHT20_Nss2,(MCS0)_2TX	-
2412MHz	72
2417MHz	74
2437MHz	80
2457MHz	73
2462MHz	70

**Beamforming_Radio 1_2T1S**

Test Software Version	accessMTool_REL_3_3_0_4
------------------------------	-------------------------

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
2412MHz	72
2417MHz	74
2437MHz	79
2457MHz	71
2462MHz	69

Radio 1_Scan_1T1S

Test Software Version	PuTTY Release 0.62
------------------------------	--------------------

Mode	Power Setting
b20_Nss1,(1Mbps)_1TX	-
2412MHz	39
2417MHz	45
2437MHz	44
2457MHz	80
2462MHz	45
g20_Nss1,(6Mbps)_1TX	-
2412MHz	44
2417MHz	50
2437MHz	68
2457MHz	56
2462MHz	47

2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	PoE Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V (Radio 1_Scan)	V (1T1S)	V (2T1S) 、(2T2S)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio 1:2.4G+Radio 2:5G Full+Radio 3:6G Full+Radio 1:Scan 2.4G+ Radio 1:Scan 5G + Radio 1:Scan 6G+Bluetooth(chain 0)
2	Radio 1:2.4G+Radio 2:5G High(Band3/4)+Radio 3:5G Low(Band1/2)+Radio 1:Scan 2.4G+Radio 1:Scan 5G+Radio 1:Scan 6G+Bluetooth(chain 0)
3	Radio 1:2.4G+Radio 2:5G Full+Radio 3:6G Full+Radio 1:Scan 2.4G+Radio 1:Scan 5G+Radio 1:Scan 6G+Bluetooth(chain 1)
4	Radio 1:2.4G+Radio 2:5G High(Band3/4)+Radio 3:5G Low(Band1/2)+Radio 1:Scan 2.4G+Radio 1:Scan 5G+Radio 1:Scan 6G+Bluetooth(chain1)
Refer to Sporton Test Report No.: FA462705 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Support Equipment

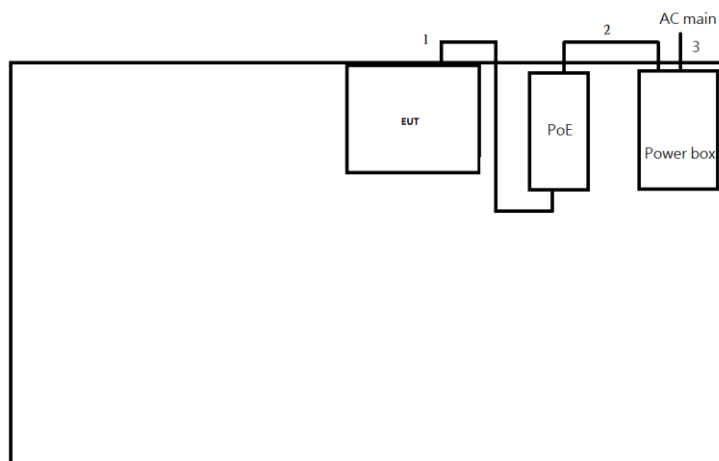
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ-45 Cable	Power sync	CLN7VAF0015A	-	-
2	PoE	PHIHONG	POE60U-1BT-X	-	Provided by Customer
2	AC Power Cable	Power sync	SCB-3PM01	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Adapter	Powertron	PA1045-120HIB300	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ-45 Cable	Power sync	CLN7VAF0015A	-	-
2	PoE	PHIHONG	POE60U-1BT-X	-	Provided by Customer/ Remote

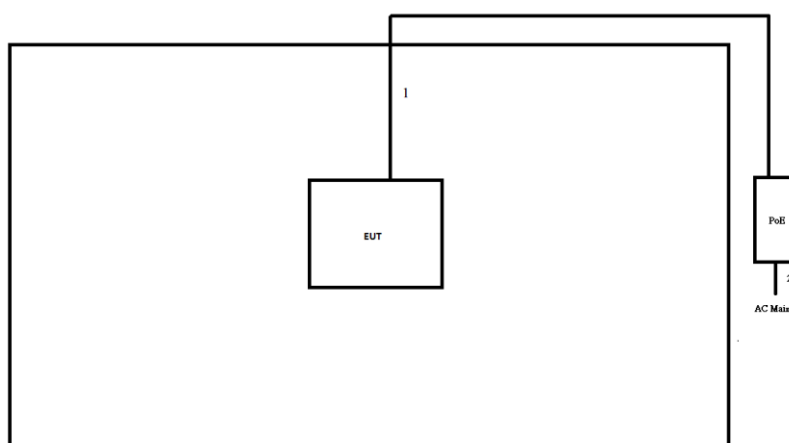
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test (PoE Mode)



Item	Connection	Shielded	Length(m)	Remark
1	RJ-45 Cable	No	3.0	-
2	AC Power Cable	No	1.8	-
3	AC Power Cable	No	1.0	-

Test Setup Diagram - Radiated Test (PoE Mode)



Item	Connection	Shielded	Length(m)	Remark
1	RJ-45 Cable	No	3.0	-
2	AC Power Cable	No	1.8	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

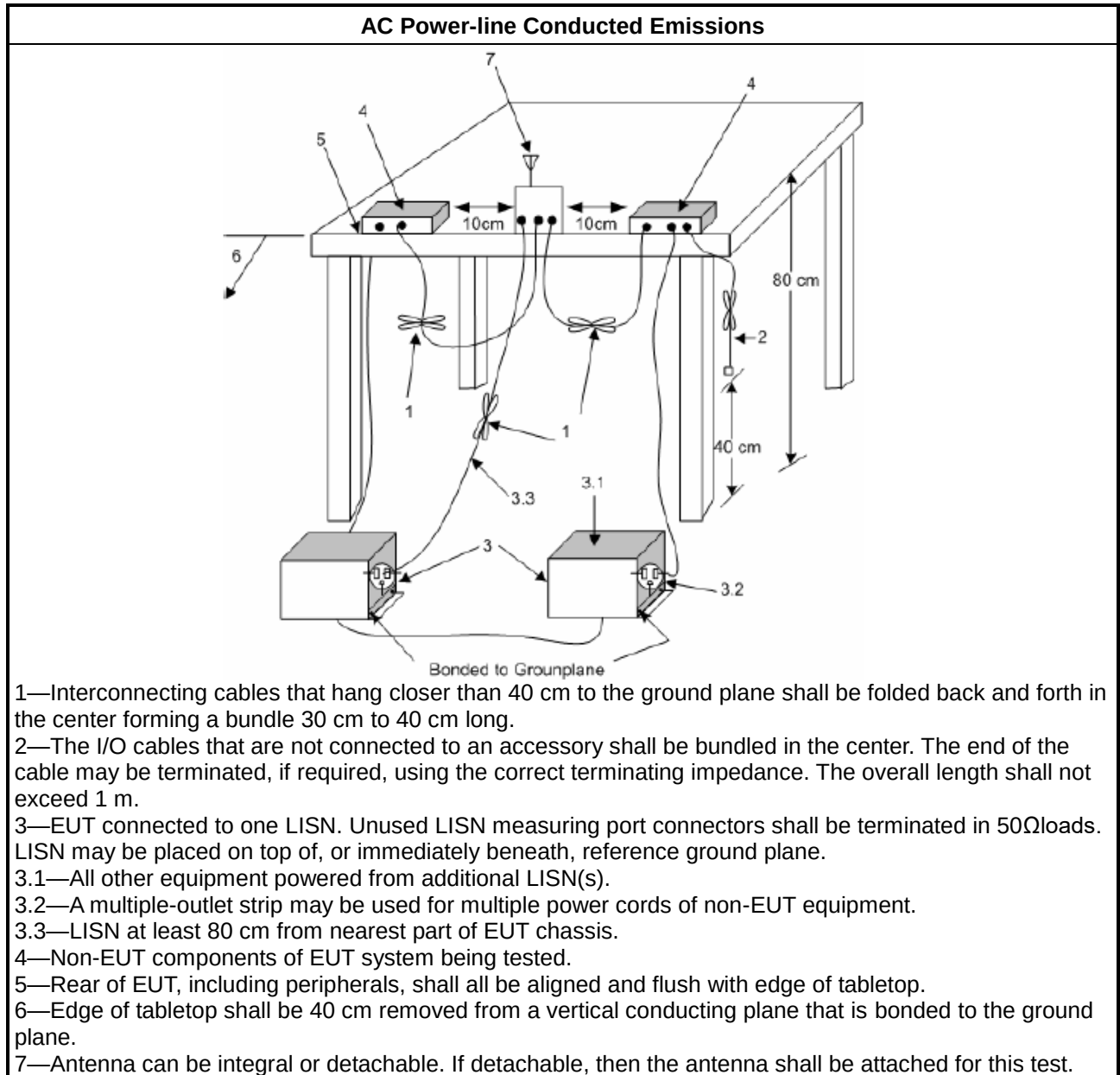
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

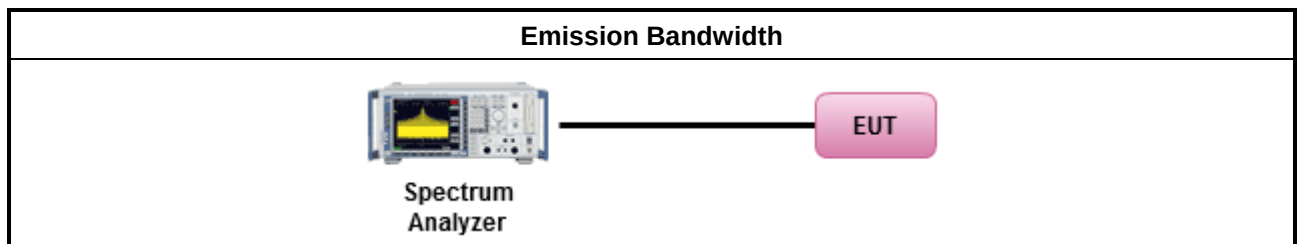
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

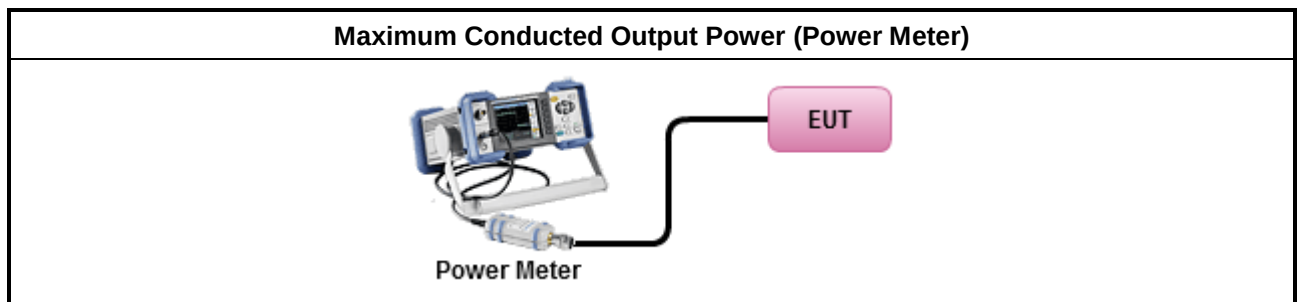
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

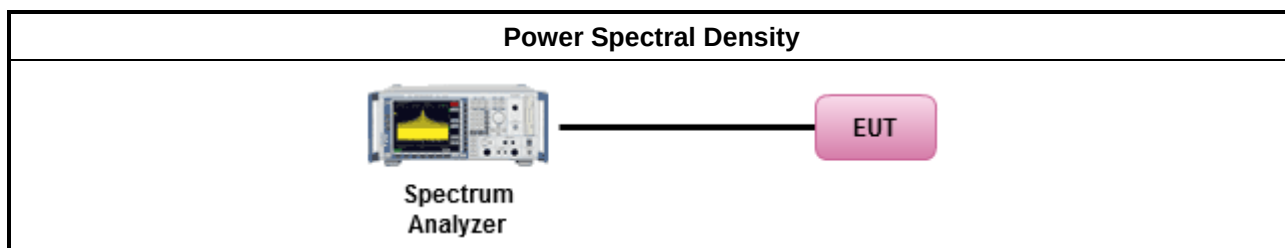
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

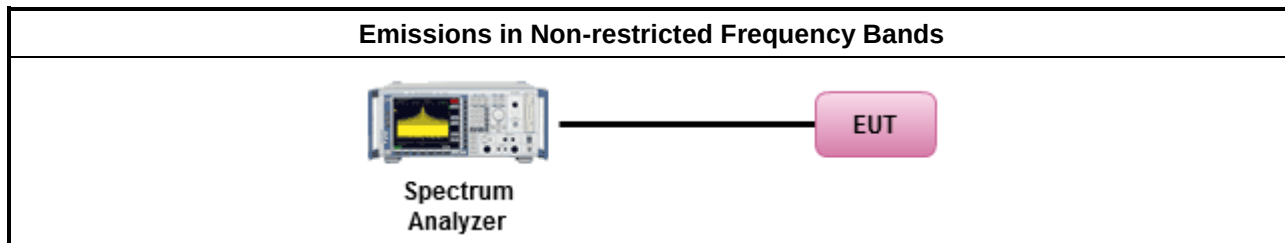
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

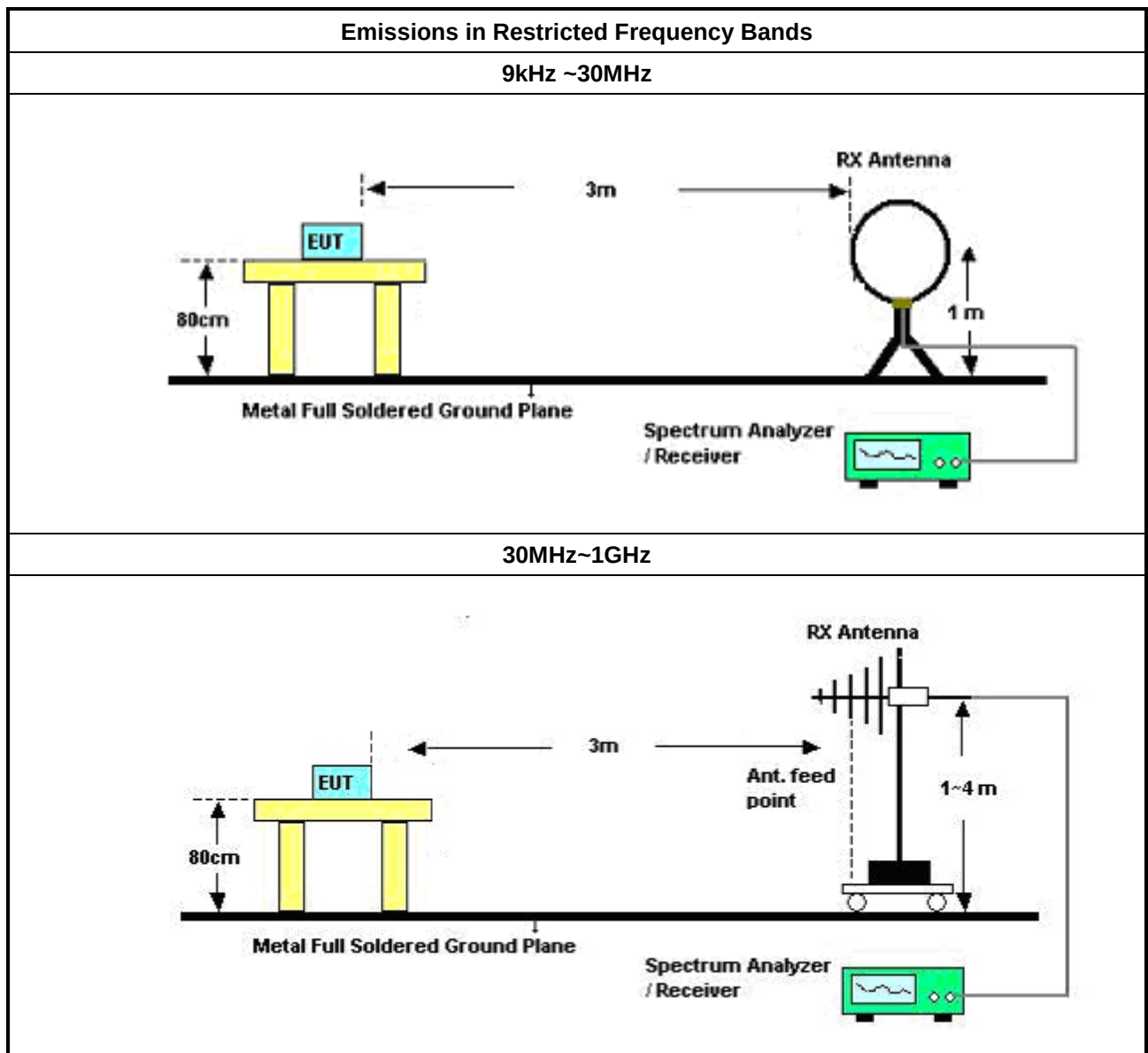
Test Method	
▪	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted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

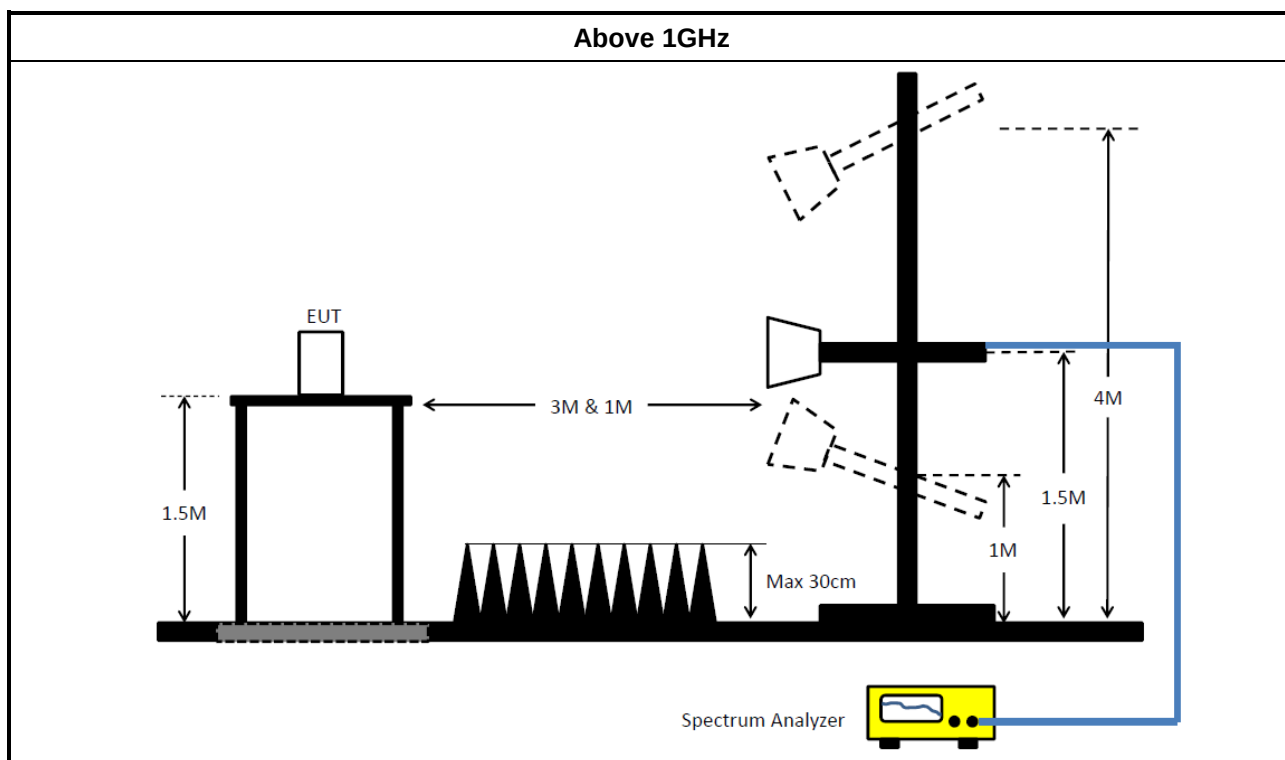
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

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

NCR: No Calibration Required

Instrument for Conducted Test (TH07-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	9kHz~40GHz	02/Feb/2024	01/Feb/2025
SMB100A Signal Generator	R&S	SMB100A03	183621	23kHz~40GHz	01/Dec/2023	30/Nov/2024
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	15/Dec/2023	14/Dec/2024
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	15/Dec/2023	14/Dec/2024
SENSE-15247_DTS	Sporton	V5.11.20	N/A	N/A	N/A	N/A

Instrument for Conducted Test (TH01-HY) (Radio 1_Scan)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	09/Apr/2024	08/Apr/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	949003	300MHz~40GHz	17/Feb/2024	16/Feb/2025
Pulse Sensor	Anritsu	MA2411B	917017	300MHz~40GHz	17/Feb/2024	16/Feb/2025
SENSE-15247_DTS	Sporton	V5.11.20	N/A	N/A	N/A	N/A

**Instrument for Radiated Test (03CH02-HY) (Radio 1_Scan)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	14/Jul/2024	13/Jul/2025
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	14/Jul/2024	13/Jul/2025
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	03/May/2024	02/May/2025
Signal Analyzer	R&S	FSP 40	100593	9kHz~40GHz	11/Mar/2024	10/Mar/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723/2	30MHz~1GHz	26/Aug/2024	25/Aug/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2024	22/Sep/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz z	04/Jun/2024	03/Jun/2025
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	9kHz~30MHz	19/Dec/2023	18/Dec/2024
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	30MHz~1GHz	19/Dec/2023	18/Dec/2024
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	15/Feb/2024	14/Feb/2025
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz Hz	29/Jun/2024	28/Jun/2025
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz z	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	19/Apr/2024	18/Apr/2025
SENSE-15247-DTS	Sporton	V5.11.20	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH24-HY) (Below 1GHz)

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	03CH24-CABLE-01	9kHz~1GHz	01/Oct/2024	30/Sep/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-15247-DTS	Sporton	V5.11.18	NA	NA	NA	NA

Instrument for Radiated Test (03CH25-HY) (Above 1GHz)

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	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/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
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270197	1 GHz ~ 26.5 GHz	26/Jan/2024	25/Jan/2025
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	15/Apr/2024	14/Apr/2025
SENSE-15247_DTS	Sporton	V5.11.20	NA	NA	NA	NA

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

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
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101345	10Hz~44GHz	27/Aug/2024	26/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	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
Amplifier	EM	EM01G18G	060870	1GHz ~18GHz	12/Aug/2024	11/Aug/2025
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	15/Apr/2024	14/Apr/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	03CH24-CABLE-01	1GH~40GHz	01/Oct/2024	30/Sep/2025
SENSE-EMI	Sporton	V5.11.8	NA	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

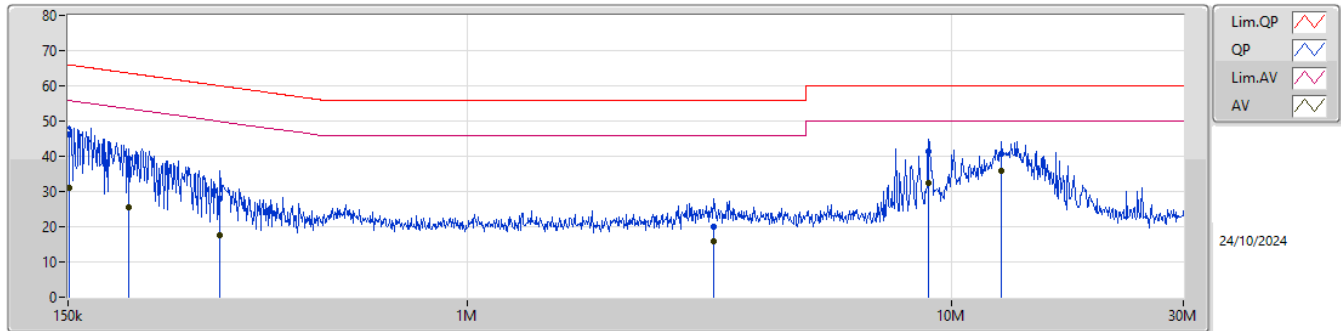
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	12.655M	35.69	50.00	-14.31	Line

Result

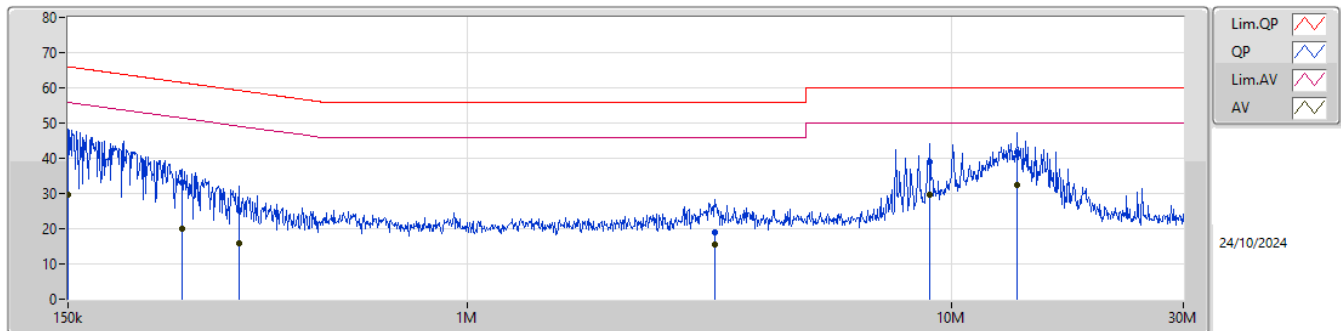
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	151.202k	46.31	65.92	-19.61	Line
Mode 1	Pass	AV	151.202k	30.91	55.92	-25.01	Line
Mode 1	Pass	QP	199.949k	39.20	63.61	-24.41	Line
Mode 1	Pass	AV	199.949k	25.37	53.61	-28.24	Line
Mode 1	Pass	QP	308.954k	28.01	60.00	-31.99	Line
Mode 1	Pass	AV	308.954k	17.44	50.00	-32.56	Line
Mode 1	Pass	QP	3.218M	20.09	56.00	-35.91	Line
Mode 1	Pass	AV	3.218M	16.03	46.00	-29.97	Line
Mode 1	Pass	QP	8.942M	41.40	60.00	-18.60	Line
Mode 1	Pass	AV	8.942M	32.52	50.00	-17.48	Line
Mode 1	Pass	QP	12.655M	40.75	60.00	-19.25	Line
Mode 1	Pass	AV	12.655M	35.69	50.00	-14.31	Line
Mode 1	Pass	QP	150k	45.26	66.00	-20.74	Neutral
Mode 1	Pass	AV	150k	29.73	56.00	-26.27	Neutral
Mode 1	Pass	QP	258.152k	33.00	61.49	-28.49	Neutral
Mode 1	Pass	AV	258.152k	20.11	51.49	-31.38	Neutral
Mode 1	Pass	QP	337.314k	25.33	59.27	-33.94	Neutral
Mode 1	Pass	AV	337.314k	15.95	49.27	-33.32	Neutral
Mode 1	Pass	QP	3.244M	18.86	56.00	-37.14	Neutral
Mode 1	Pass	AV	3.244M	15.52	46.00	-30.48	Neutral
Mode 1	Pass	QP	9.013M	39.09	60.00	-20.91	Neutral
Mode 1	Pass	AV	9.013M	29.57	50.00	-20.43	Neutral
Mode 1	Pass	QP	13.652M	41.89	60.00	-18.11	Neutral
Mode 1	Pass	AV	13.652M	32.37	50.00	-17.63	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	151.202k	46.31	65.92	-19.61	19.70	Line	-	26.61	9.66	0.07	9.97								
AV	151.202k	30.91	55.92	-25.01	19.70	Line	-	11.21	9.66	0.07	9.97								
QP	199.949k	39.20	63.61	-24.41	19.71	Line	-	19.49	9.65	0.09	9.97								
AV	199.949k	25.37	53.61	-28.24	19.71	Line	-	5.66	9.65	0.09	9.97								
QP	308.954k	28.01	60.00	-31.99	19.74	Line	-	8.27	9.65	0.11	9.98								
AV	308.954k	17.44	50.00	-32.56	19.74	Line	-	-2.30	9.65	0.11	9.98								
QP	3.218M	20.09	56.00	-35.91	19.74	Line	-	0.35	9.68	0.08	9.98								
AV	3.218M	16.03	46.00	-29.97	19.74	Line	-	-3.71	9.68	0.08	9.98								
QP	8.942M	41.40	60.00	-18.60	19.74	Line	-	21.66	9.71	0.05	9.98								
AV	8.942M	32.52	50.00	-17.48	19.74	Line	-	12.78	9.71	0.05	9.98								
QP	12.655M	40.75	60.00	-19.25	19.75	Line	-	21.00	9.70	0.07	9.98								
AV	12.655M	35.69	50.00	-14.31	19.75	Line	-	15.94	9.70	0.07	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	150k	45.26	66.00	-20.74	19.64	Neutral	-	25.62	9.60	0.07	9.97								
AV	150k	29.73	56.00	-26.27	19.64	Neutral	-	10.09	9.60	0.07	9.97								
QP	258.152k	33.00	61.49	-28.49	19.67	Neutral	-	13.33	9.60	0.10	9.97								
AV	258.152k	20.11	51.49	-31.38	19.67	Neutral	-	0.44	9.60	0.10	9.97								
QP	337.314k	25.33	59.27	-33.94	19.69	Neutral	-	5.64	9.60	0.11	9.98								
AV	337.314k	15.95	49.27	-33.32	19.69	Neutral	-	-3.74	9.60	0.11	9.98								
QP	3.244M	18.86	56.00	-37.14	19.68	Neutral	-	-0.82	9.62	0.08	9.98								
AV	3.244M	15.52	46.00	-30.48	19.68	Neutral	-	-4.16	9.62	0.08	9.98								
QP	9.013M	39.09	60.00	-20.91	19.69	Neutral	-	19.40	9.66	0.05	9.98								
AV	9.013M	29.57	50.00	-20.43	19.69	Neutral	-	9.88	9.66	0.05	9.98								
QP	13.652M	41.89	60.00	-18.11	19.72	Neutral	-	22.17	9.66	0.08	9.98								
AV	13.652M	32.37	50.00	-17.63	19.72	Neutral	-	12.65	9.66	0.08	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)_1TX	6.825M	12.069M	12M1G1D	6.05M	10.585M
802.11g_Nss1,(6Mbps)_1TX	16.525M	17.173M	17M2D1D	16.05M	16.998M
802.11be EHT20_Nss1,(MCS0)_1TX	19.125M	19.215M	19M2D1D	18.95M	18.991M

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)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	6.05M	12.069M
2437MHz	Pass	500k	6.825M	12.054M
2462MHz	Pass	500k	6.575M	10.585M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.05M	16.998M
2437MHz	Pass	500k	16.525M	17.173M
2462MHz	Pass	500k	16.45M	17.085M
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	19.125M	18.991M
2437MHz	Pass	500k	19.125M	19.215M
2462MHz	Pass	500k	18.95M	19.165M

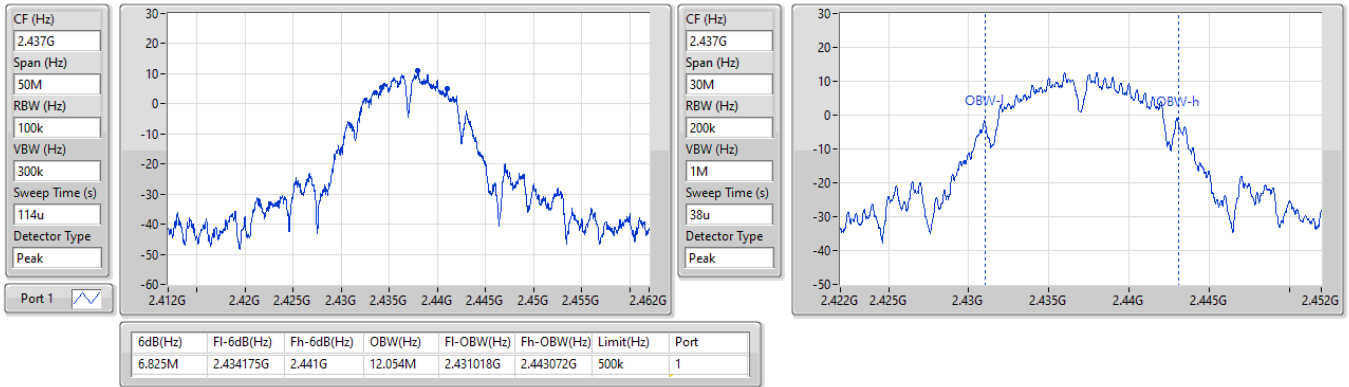
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

EBW

2437MHz

01/11/2024

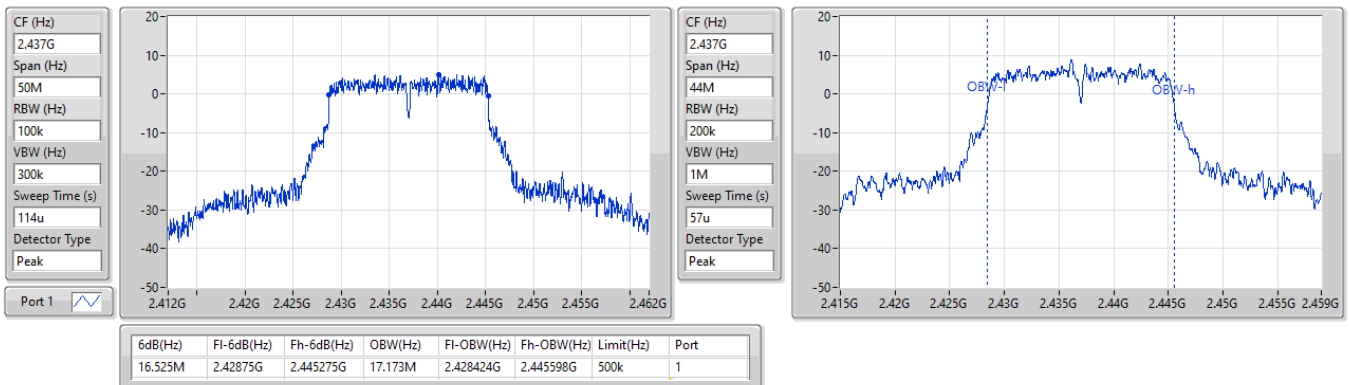


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

EBW

2437MHz

01/11/2024



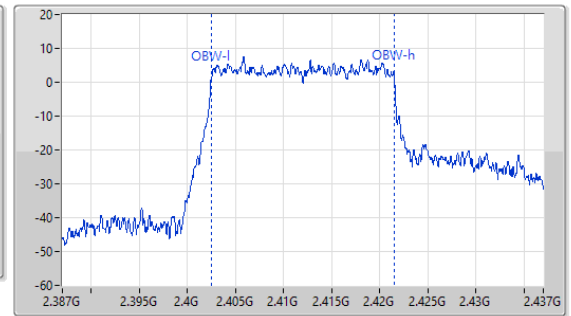
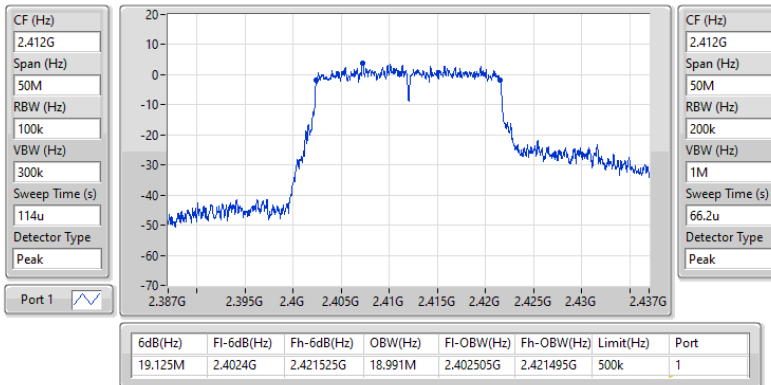


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

2412MHz

01/11/2024





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	8.05M	13.658M	13M7G1D	6.025M	10.195M
802.11g_Nss1,(6Mbps)_2TX	16.525M	22.583M	22M6D1D	16.4M	16.646M
802.11be EHT20_Nss1,(MCS0)_2TX	19.15M	19.915M	19M9D1D	19.05M	18.966M

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	7.275M	10.195M	6.875M	10.75M
2437MHz	Pass	500k	6.075M	12.174M	8.05M	13.658M
2462MHz	Pass	500k	6.025M	11.394M	6.325M	12.354M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.525M	16.756M	16.425M	17.107M
2437MHz	Pass	500k	16.4M	19.504M	16.4M	22.583M
2462MHz	Pass	500k	16.45M	16.734M	16.4M	16.646M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.05M	18.991M	19.1M	19.015M
2437MHz	Pass	500k	19.05M	19.565M	19.15M	19.915M
2462MHz	Pass	500k	19.075M	19.165M	19.075M	18.966M

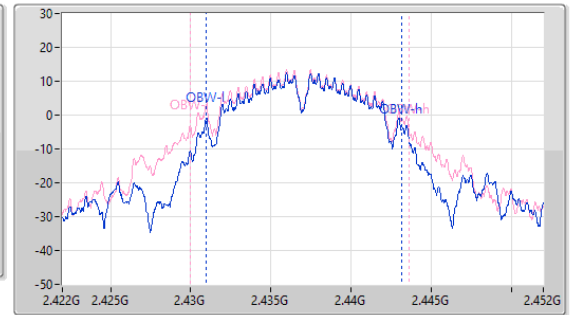
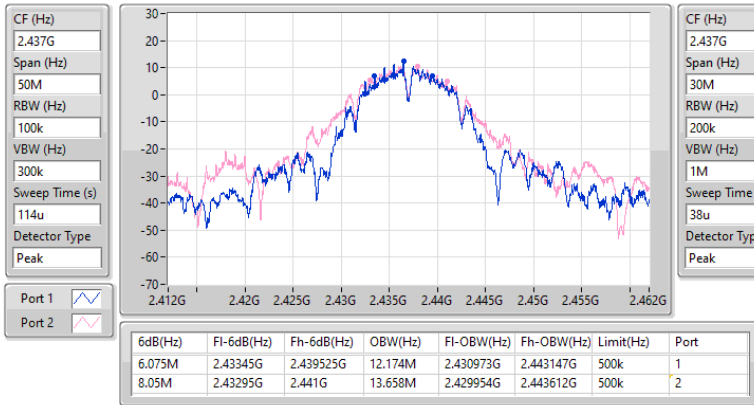
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

2437MHz

01/11/2024

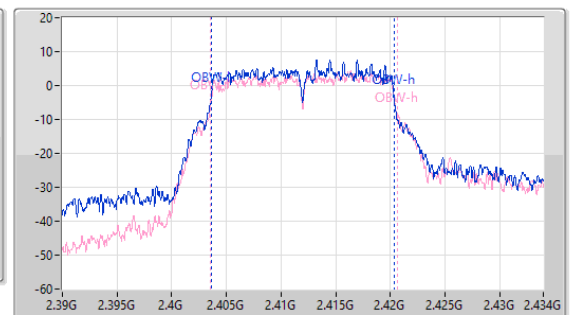
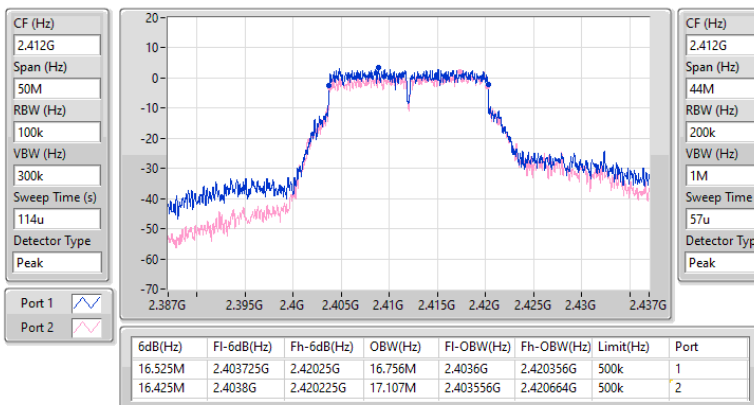


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

01/11/2024

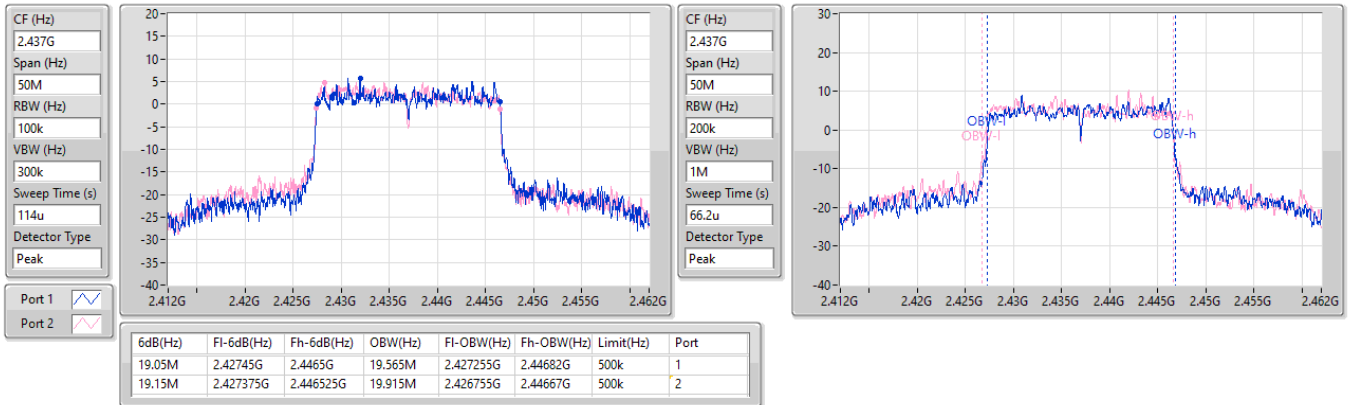


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

2437MHz

01/11/2024



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	19.15M	26.387M	26M4D1D	19.025M	18.991M

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)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.15M	19.015M	19.1M	19.09M
2437MHz	Pass	500k	19.05M	19.59M	19.075M	26.387M
2462MHz	Pass	500k	19.125M	19.09M	19.025M	18.991M

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

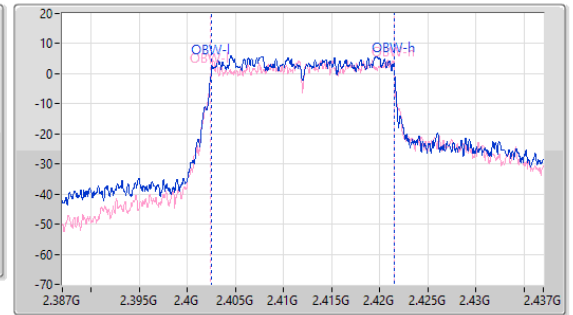
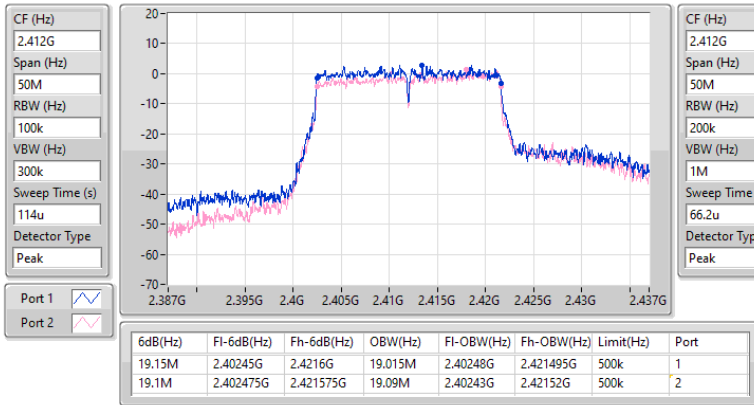


2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

2412MHz

01/11/2024



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
b20_Nss1,(1Mbps)_1TX	9.275M	13.148M	13M1G1D	9.075M	13.088M
g20_Nss1,(6Mbps)_1TX	16.45M	17.943M	17M9D1D	16.375M	16.624M

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)
b20_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	9.075M	13.088M
2437MHz	Pass	500k	9.125M	13.148M
2462MHz	Pass	500k	9.275M	13.133M
g20_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.375M	16.624M
2437MHz	Pass	500k	16.45M	17.943M
2462MHz	Pass	500k	16.375M	16.624M

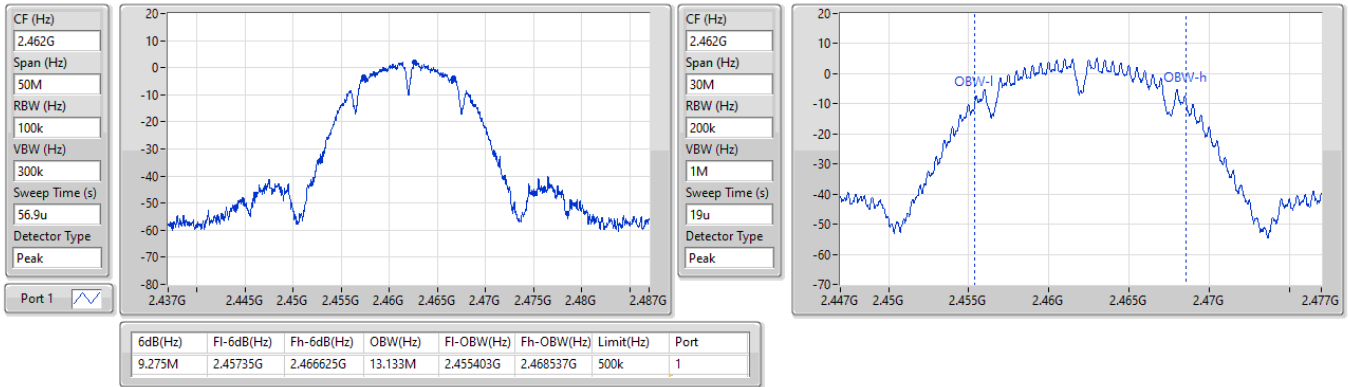
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_b20_Nss1,(1Mbps)_1TX

EBW

2462MHz

12/11/2024

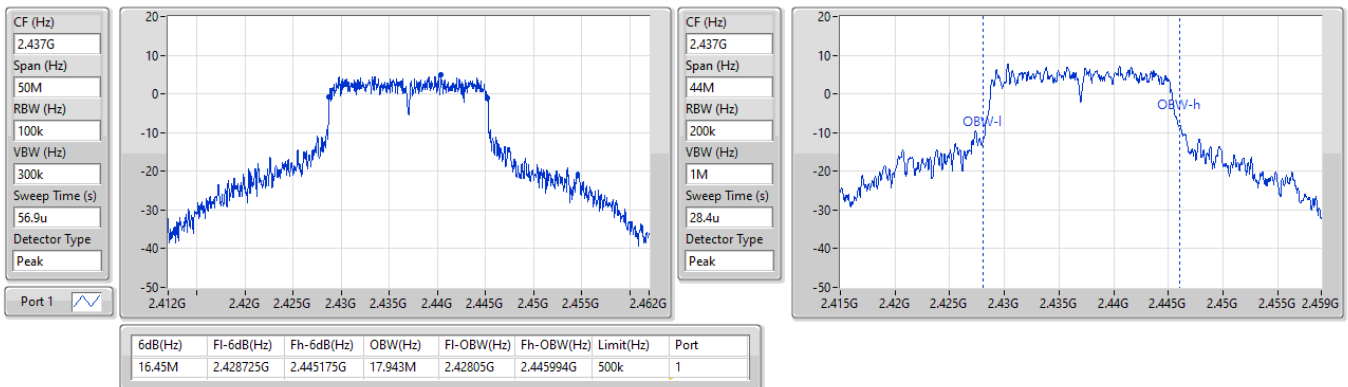


2.4-2.4835GHz_g20_Nss1,(6Mbps)_1TX

EBW

2437MHz

08/11/2024





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	20.57	0.11402
802.11g_Nss1,(6Mbps)_1TX	19.57	0.09057
802.11be EHT20_Nss1,(MCS0)_1TX	19.62	0.09162



Average Power_Non-Beamforming_Radio 1_1T1S

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.53	20.43	20.43	30.00
2417MHz	Pass	1.53	20.57	20.57	30.00
2437MHz	Pass	1.53	20.37	20.37	30.00
2457MHz	Pass	1.53	19.42	19.42	30.00
2462MHz	Pass	1.53	20.17	20.17	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.53	18.42	18.42	30.00
2417MHz	Pass	1.53	19.57	19.57	30.00
2437MHz	Pass	1.53	19.35	19.35	30.00
2457MHz	Pass	1.53	18.95	18.95	30.00
2462MHz	Pass	1.53	18.45	18.45	30.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.53	18.09	18.09	30.00
2417MHz	Pass	1.53	19.62	19.62	30.00
2437MHz	Pass	1.53	19.46	19.46	30.00
2457MHz	Pass	1.53	18.81	18.81	30.00
2462MHz	Pass	1.53	18.50	18.50	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	-	-
802.11b_Nss1,(1Mbps)_2TX	23.59	0.22856
802.11g_Nss1,(6Mbps)_2TX	23.18	0.20797
802.11be EHT20_Nss1,(MCS0)_2TX	22.76	0.18880



Average Power_Non-Beamforming_Radio 1_2T1S

Appendix C.2

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.53	17.58	18.78	21.23	30.00
2417MHz	Pass	1.53	20.11	21.00	23.59	30.00
2437MHz	Pass	1.53	19.90	21.13	23.57	30.00
2457MHz	Pass	1.53	19.26	19.79	22.54	30.00
2462MHz	Pass	1.53	19.60	20.17	22.90	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.53	17.89	17.06	20.51	30.00
2417MHz	Pass	1.53	18.55	17.73	21.17	30.00
2437MHz	Pass	1.53	19.90	20.43	23.18	30.00
2457MHz	Pass	1.53	18.57	16.87	20.81	30.00
2462MHz	Pass	1.53	17.67	16.60	20.18	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.53	17.12	17.05	20.10	30.00
2417MHz	Pass	1.53	18.42	17.47	20.98	30.00
2437MHz	Pass	1.53	19.47	20.02	22.76	30.00
2457MHz	Pass	1.53	18.32	16.93	20.69	30.00
2462MHz	Pass	1.53	17.15	16.58	19.88	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_Nss2,(MCS0)_2TX	23.13	0.20559



Average Power_Non-Beamforming_Radio 1_2T2S

Appendix C.3

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.53	17.79	17.10	20.47	30.00
2417MHz	Pass	1.53	18.55	17.77	21.19	30.00
2437MHz	Pass	1.53	19.73	20.48	23.13	30.00
2457MHz	Pass	1.53	19.08	17.19	21.25	30.00
2462MHz	Pass	1.53	18.42	17.09	20.82	30.00

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



Average Power_Beamforming_Radio 1_2T1S

Appendix C.4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	22.76	0.18880

**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	1.55	17.12	17.05	20.10	30.00
2417MHz	Pass	1.55	18.42	17.47	20.98	30.00
2437MHz	Pass	1.55	19.47	20.02	22.76	30.00
2457MHz	Pass	1.55	18.32	16.93	20.69	30.00
2462MHz	Pass	1.55	17.15	16.58	19.88	30.00

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



Average Power_Radio 1_Scan_1T1S

Appendix C.5

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
b20_Nss1,(1Mbps)_1TX	23.52	0.22491
g20_Nss1,(6Mbps)_1TX	19.38	0.08670

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
b20_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.22	12.43	12.43	30.00
2417MHz	Pass	2.22	14.13	14.13	30.00
2437MHz	Pass	2.22	14.13	14.13	30.00
2457MHz	Pass	2.22	23.52	23.52	30.00
2462MHz	Pass	2.22	13.89	13.89	30.00
g20_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.22	13.70	13.70	30.00
2417MHz	Pass	2.22	15.20	15.20	30.00
2437MHz	Pass	2.22	19.38	19.38	30.00
2457MHz	Pass	2.22	16.47	16.47	30.00
2462MHz	Pass	2.22	13.97	13.97	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)_1TX	-3.35
802.11g_Nss1,(6Mbps)_1TX	-6.79
802.11be EHT20_Nss1,(MCS0)_1TX	-7.43

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.53	-3.35	-3.35	8.00
2437MHz	Pass	1.53	-3.54	-3.54	8.00
2462MHz	Pass	1.53	-3.74	-3.74	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.53	-8.28	-8.28	8.00
2437MHz	Pass	1.53	-6.79	-6.79	8.00
2462MHz	Pass	1.53	-7.68	-7.68	8.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.53	-7.54	-7.54	8.00
2437MHz	Pass	1.53	-7.43	-7.43	8.00
2462MHz	Pass	1.53	-7.84	-7.84	8.00

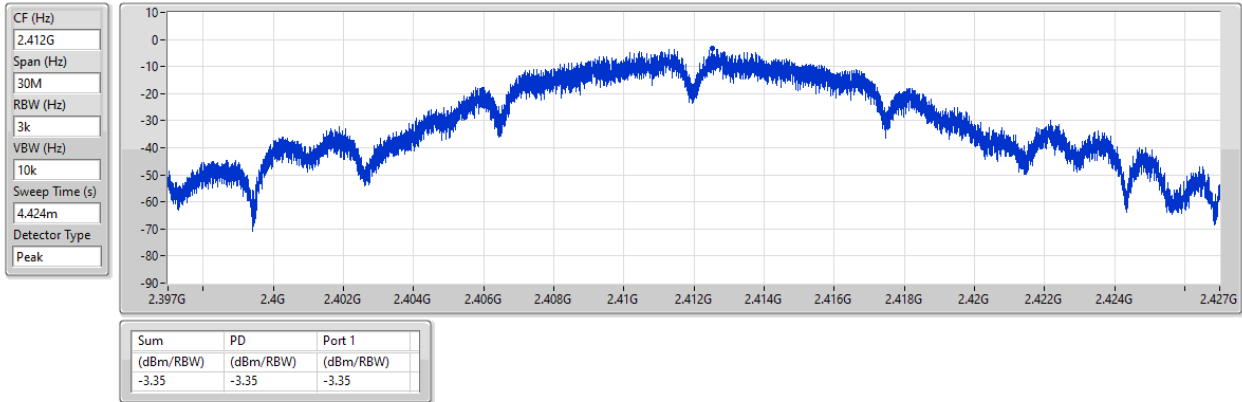
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

01/11/2024

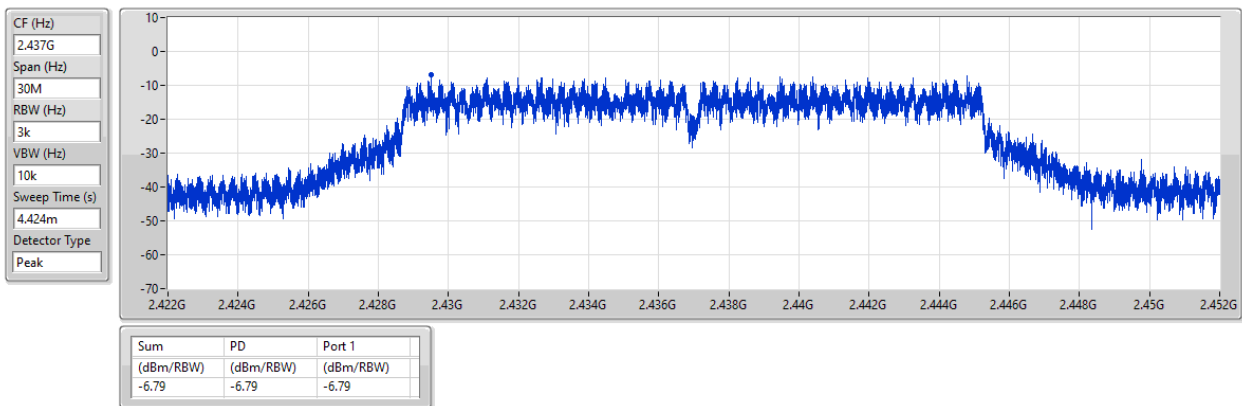


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

01/11/2024

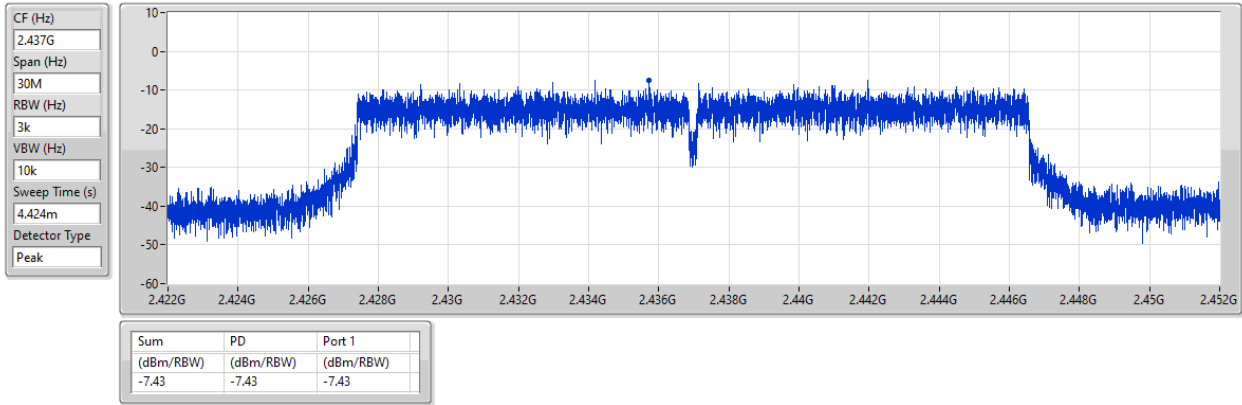


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

2437MHz

01/11/2024





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-0.77
802.11g_Nss1,(6Mbps)_2TX	-3.30
802.11be EHT20_Nss1,(MCS0)_2TX	-6.21

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	1.55	-5.68	-4.71	-2.43	8.00
2437MHz	Pass	1.55	-3.37	-2.90	-0.77	8.00
2462MHz	Pass	1.55	-4.36	-3.24	-1.28	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.55	-8.54	-9.29	-7.01	8.00
2437MHz	Pass	1.55	-6.21	-6.16	-3.30	8.00
2462MHz	Pass	1.55	-9.03	-9.52	-7.34	8.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.55	-8.84	-10.46	-8.11	8.00
2437MHz	Pass	1.55	-8.22	-7.88	-6.21	8.00
2462MHz	Pass	1.55	-9.58	-9.97	-8.28	8.00

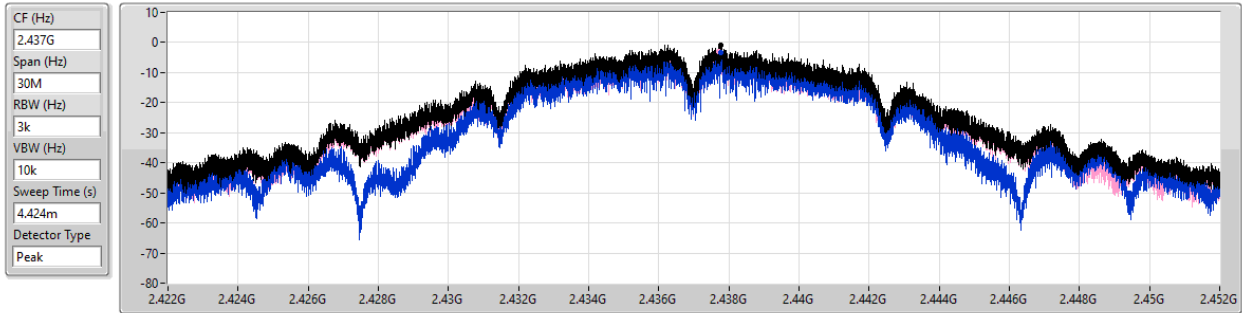
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

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

PSD

2437MHz

01/11/2024



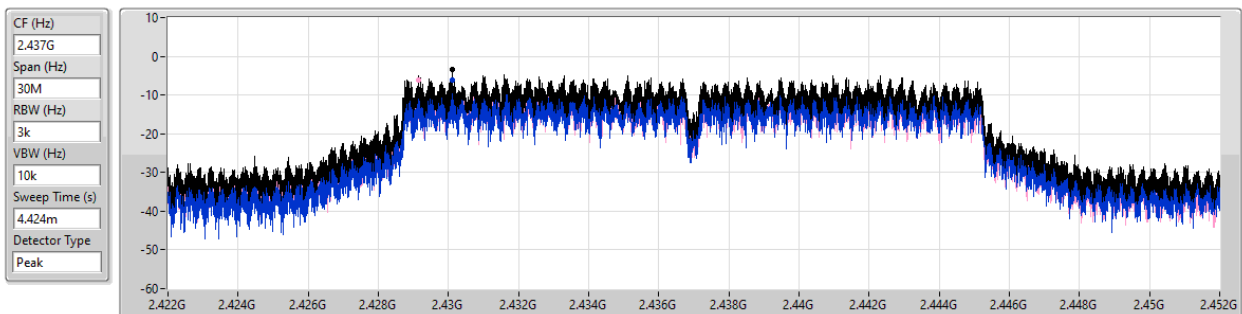
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.77	-0.77	-3.37	-2.90

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

PSD

2437MHz

01/11/2024



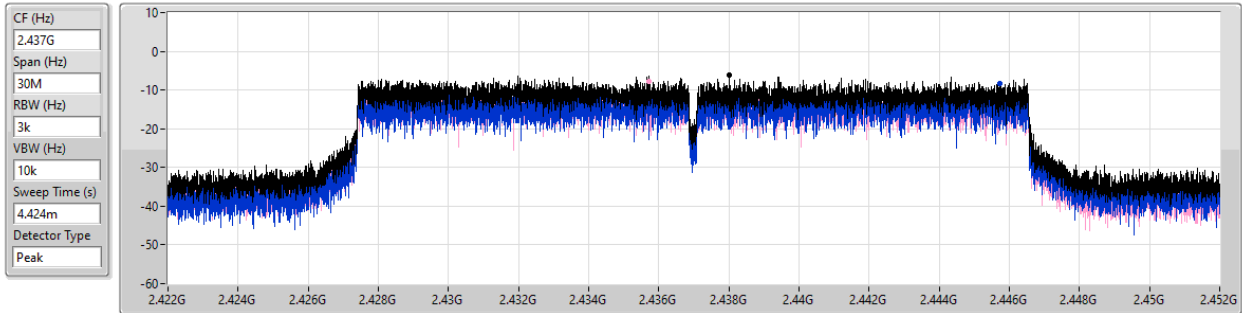
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.30	-3.30	-6.21	-6.16

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

PSD

2437MHz

01/11/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.21	-6.21	-8.22	-7.88



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11be EHT20_Nss2,(MCS0)_2TX	-5.49

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.53	-9.40	-9.17	-8.21	8.00
2437MHz	Pass	1.53	-7.70	-6.32	-5.49	8.00
2462MHz	Pass	1.53	-8.92	-8.85	-7.62	8.00

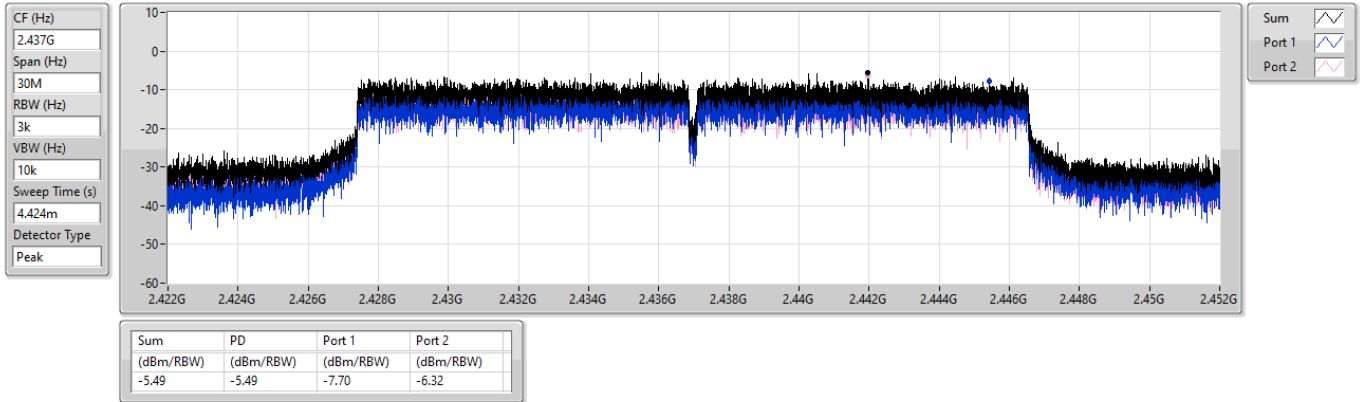
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX

PSD

2437MHz

01/11/2024





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
b20_Nss1,(1Mbps)_1TX	-9.88
g20_Nss1,(6Mbps)_1TX	-7.35

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
b20_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.22	-10.30	-10.30	8.00
2437MHz	Pass	2.22	-9.88	-9.88	8.00
2462MHz	Pass	2.22	-10.24	-10.24	8.00
g20_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.22	-12.11	-12.11	8.00
2437MHz	Pass	2.22	-7.35	-7.35	8.00
2462MHz	Pass	2.22	-13.01	-13.01	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.



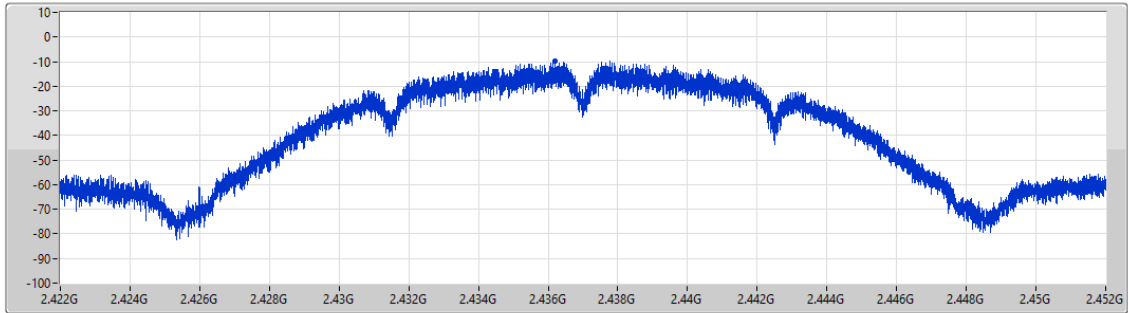
2.4-2.4835GHz_b20_Nss1,(1Mbps)_1TX

PSD

2437MHz

12/11/2024

CF (Hz)
2.437G
Span (Hz)
30M
RBW (Hz)
3k
VBW (Hz)
10k
Sweep Time (s)
4.424m
Detector Type
Peak



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.88	-9.88	-9.88

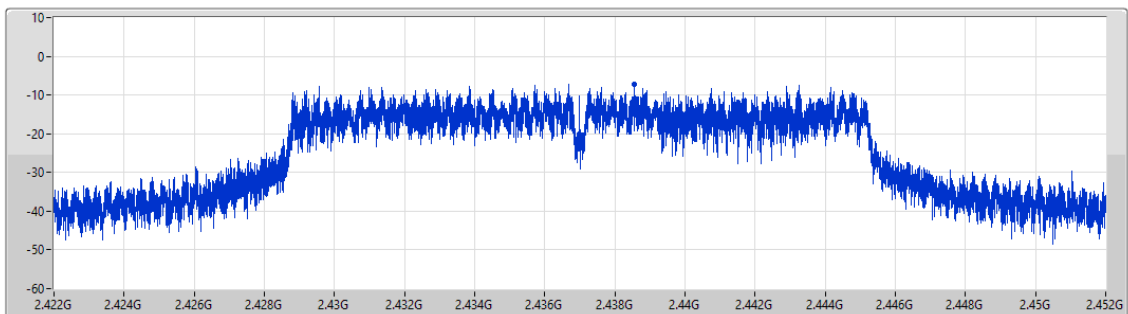
2.4-2.4835GHz_g20_Nss1,(6Mbps)_1TX

PSD

2437MHz

08/11/2024

CF (Hz)
2.437G
Span (Hz)
30M
RBW (Hz)
3k
VBW (Hz)
10k
Sweep Time (s)
4.424m
Detector Type
Peak



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.35	-7.35	-7.35



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)_1TX	Pass	2.41136G	12.51	-17.49	1.97555G	-54.27	2.4G	-22.44	2.4G	-23.23	2.51878G	-53.01	15.18339G	-40.84	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.4319G	8.76	-21.24	2.14564G	-54.14	2.39864G	-25.08	2.4G	-25.26	2.52342G	-52.05	16.86913G	-40.88	1
802.11be EHT20_Nss1,(MCS0)_1TX	Pass	2.43073G	8.58	-21.42	2.03264G	-54.94	2.4G	-32.49	2.4G	-31.31	2.5231G	-53.03	15.29296G	-40.94	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)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41136G	12.51	-17.49	1.97555G	-54.27	2.4G	-22.44	2.4G	-23.23	2.51878G	-53.01	15.18339G	-40.84	1
2437MHz	Pass	2.41136G	12.51	-17.49	2.02914G	-54.96	2.39952G	-40.32	2.4G	-43.96	2.50998G	-52.95	23.2946G	-40.91	1
2462MHz	Pass	2.41136G	12.51	-17.49	819.87M	-55.19	2.39952G	-51.57	2.4G	-52.10	2.51174G	-51.88	16.93937G	-40.99	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4319G	8.76	-21.24	2.14564G	-54.14	2.39864G	-25.08	2.4G	-25.26	2.52342G	-52.05	16.86913G	-40.88	1
2437MHz	Pass	2.4319G	8.76	-21.24	2.30758G	-53.45	2.39952G	-35.83	2.4G	-38.22	2.50662G	-52.34	24.60104G	-41.90	1
2462MHz	Pass	2.4319G	8.76	-21.24	687.06M	-53.97	2.39896G	-49.86	2.4G	-52.07	2.51566G	-52.83	16.23697G	-40.52	1
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	8.58	-21.42	2.03264G	-54.94	2.4G	-32.49	2.4G	-31.31	2.5231G	-53.03	15.29296G	-40.94	1
2437MHz	Pass	2.43073G	8.58	-21.42	1.8474G	-54.53	2.4G	-36.00	2.4G	-37.11	2.50078G	-52.33	16.69212G	-40.81	1
2462MHz	Pass	2.43073G	8.58	-21.42	2.30525G	-53.97	2.39792G	-50.56	2.4G	-52.32	2.52214G	-53.20	15.18058G	-40.90	1

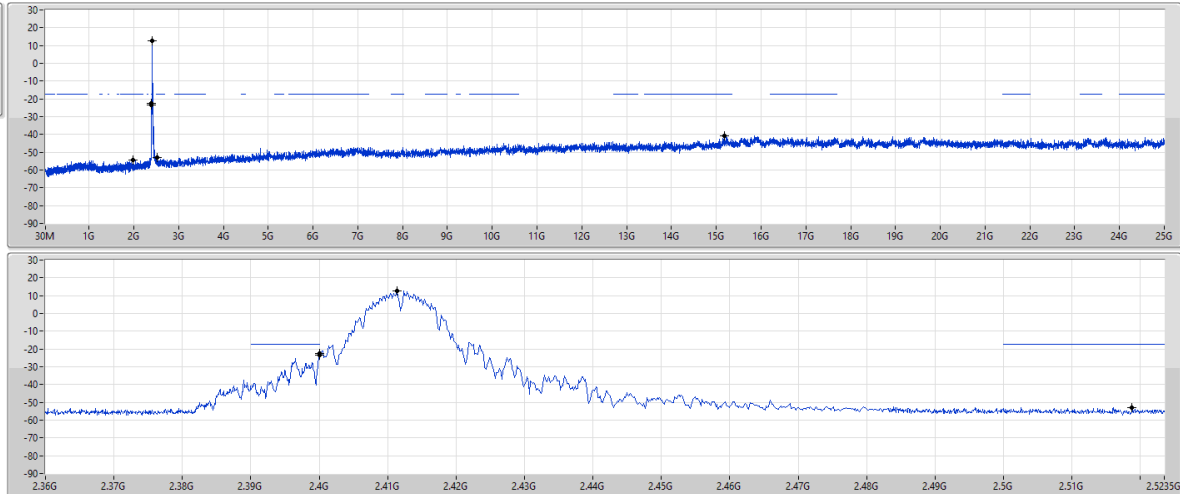
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

CSEndB

2412MHz

01/11/2024

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
2.41136G	12.51	-17.49	1.97555G	-54.27	2.4G	-22.44	2.4G	-23.23	2.51878G	-53.01	15.18339G	-40.84	1

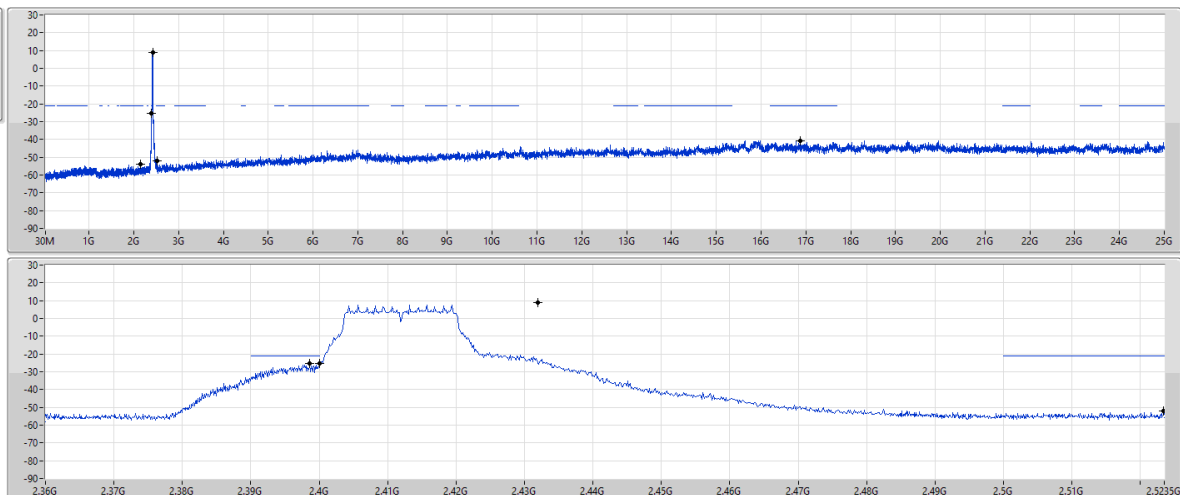
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

CSEndB

2412MHz

01/11/2024

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
2.4319G	8.76	-21.24	2.14564G	-54.14	2.39864G	-25.08	2.4G	-25.26	2.52342G	-52.05	16.86913G	-40.88	1

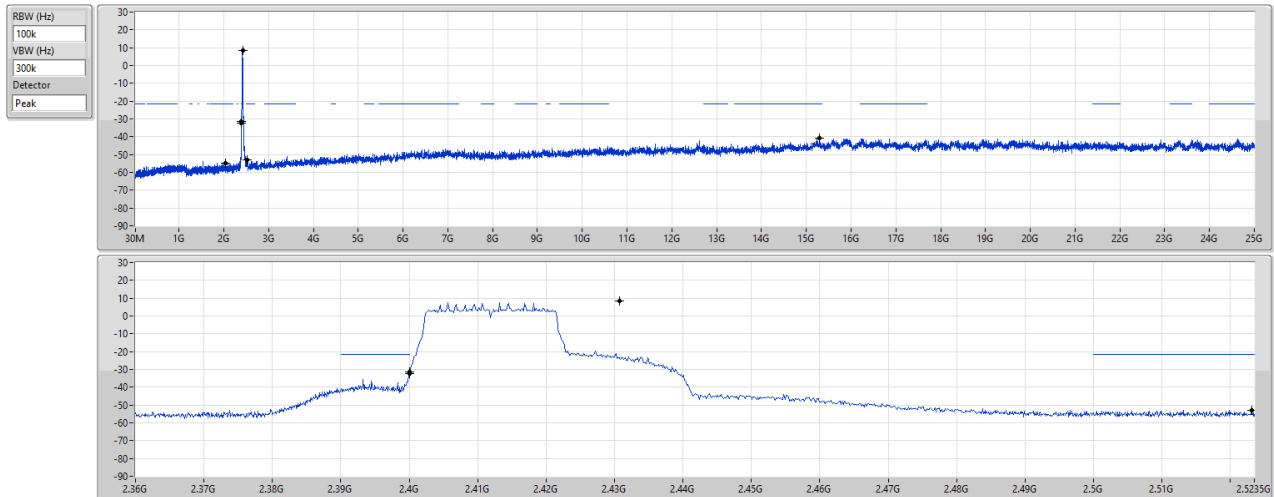
2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

CSEndB

2412MHz

01/11/2024

Port 1



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
2.43073G	8.58	-21.42	2.03264G	-54.94	2.4G	-32.49	2.4G	-31.31	2.5231G	-53.03	15.29296G	-40.94	1

**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	2.43741G	12.72	-17.28	2.07225G	-53.41	2.39848G	-33.92	2.4G	-35.15	2.52086G	-52.57	16.6275G	-41.17	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44192G	9.72	-20.28	2.12933G	-54.20	2.39976G	-30.03	2.4G	-29.52	2.50102G	-52.35	17.60242G	-40.53	1
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	2.43073G	9.95	-20.05	2.07458G	-54.37	2.39904G	-28.98	2.4G	-28.11	2.51678G	-52.40	16.23978G	-41.34	1

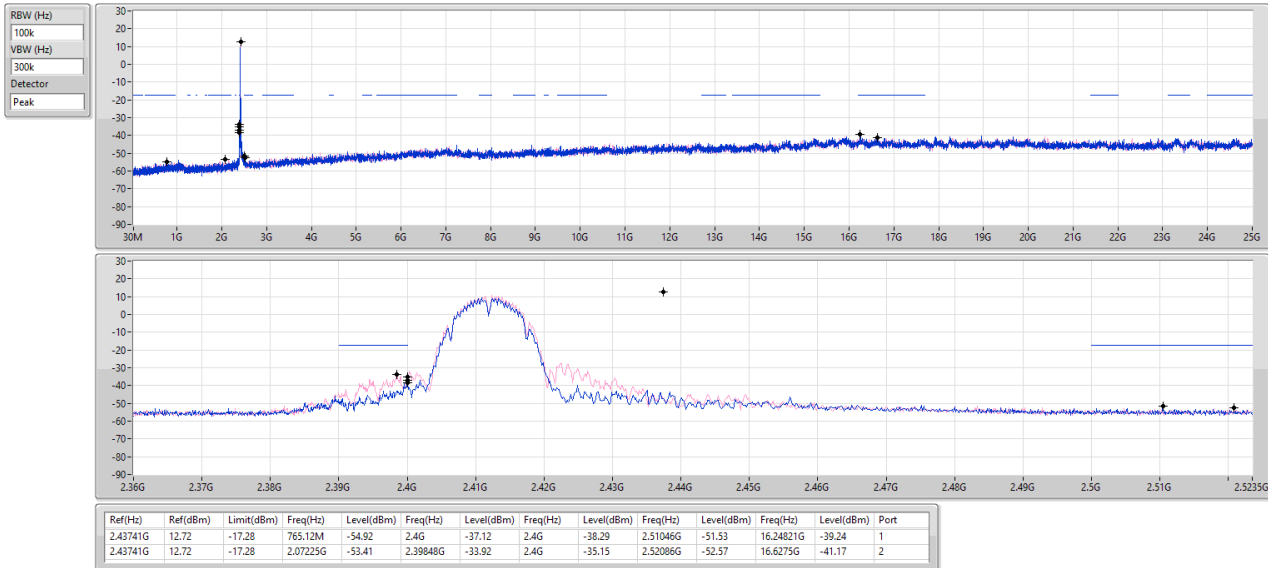
Result

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	2.43741G	12.72	-17.28	765.12M	-54.92	2.4G	-37.12	2.4G	-38.29	2.51046G	-51.53	16.24821G	-39.24	1
2412MHz	Pass	2.43741G	12.72	-17.28	2.07225G	-53.41	2.39848G	-33.92	2.4G	-35.15	2.52086G	-52.57	16.6275G	-41.17	2
2437MHz	Pass	2.43741G	12.72	-17.28	2.11419G	-54.48	2.39904G	-41.19	2.4G	-50.10	2.50542G	-52.21	16.54603G	-41.33	1
2437MHz	Pass	2.43741G	12.72	-17.28	903.75M	-54.44	2.39952G	-40.03	2.4G	-44.80	2.5179G	-52.82	16.29317G	-40.85	2
2462MHz	Pass	2.43741G	12.72	-17.28	2.19457G	-54.36	2.39952G	-50.27	2.4G	-51.76	2.50246G	-52.97	16.23417G	-40.76	1
2462MHz	Pass	2.43741G	12.72	-17.28	2.30991G	-54.45	2.39952G	-49.34	2.4G	-53.79	2.50494G	-52.13	21.46276G	-40.34	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	9.72	-20.28	2.12933G	-54.20	2.39976G	-30.03	2.4G	-29.52	2.50102G	-52.35	17.60242G	-40.53	1
2412MHz	Pass	2.44192G	9.72	-20.28	1.94992G	-54.19	2.39984G	-36.06	2.4G	-34.67	2.50782G	-52.25	23.29179G	-40.96	2
2437MHz	Pass	2.44192G	9.72	-20.28	2.16894G	-54.43	2.39888G	-35.04	2.4G	-35.96	2.5099G	-52.62	17.61928G	-40.71	1
2437MHz	Pass	2.44192G	9.72	-20.28	787.25M	-54.73	2.398G	-34.86	2.4G	-35.57	2.51598G	-51.93	21.65943G	-40.90	2
2462MHz	Pass	2.44192G	9.72	-20.28	2.10254G	-54.84	2.39856G	-51.11	2.4G	-52.45	2.51294G	-52.68	16.22574G	-41.13	1
2462MHz	Pass	2.44192G	9.72	-20.28	2.00235G	-53.43	2.39216G	-52.43	2.4G	-54.95	2.51326G	-51.94	16.92532G	-40.03	2
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	9.95	-20.05	2.07458G	-54.37	2.39904G	-28.98	2.4G	-28.11	2.51678G	-52.40	16.23978G	-41.34	1
2412MHz	Pass	2.43073G	9.95	-20.05	797.74M	-53.59	2.4G	-35.39	2.4G	-34.27	2.51478G	-52.58	16.27069G	-40.86	2
2437MHz	Pass	2.43073G	9.95	-20.05	943.36M	-54.75	2.3964G	-35.50	2.4G	-36.19	2.51102G	-52.68	15.2761G	-40.95	1
2437MHz	Pass	2.43073G	9.95	-20.05	2.18642G	-54.90	2.39872G	-34.41	2.4G	-35.10	2.50246G	-52.85	23.32269G	-41.20	2
2462MHz	Pass	2.43073G	9.95	-20.05	876.96M	-54.21	2.39984G	-48.13	2.4G	-49.47	2.51702G	-52.45	16.26788G	-41.00	1
2462MHz	Pass	2.43073G	9.95	-20.05	2.30641G	-53.67	2.39472G	-52.66	2.4G	-54.59	2.51158G	-52.13	16.22293G	-41.47	2

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

CSEndB

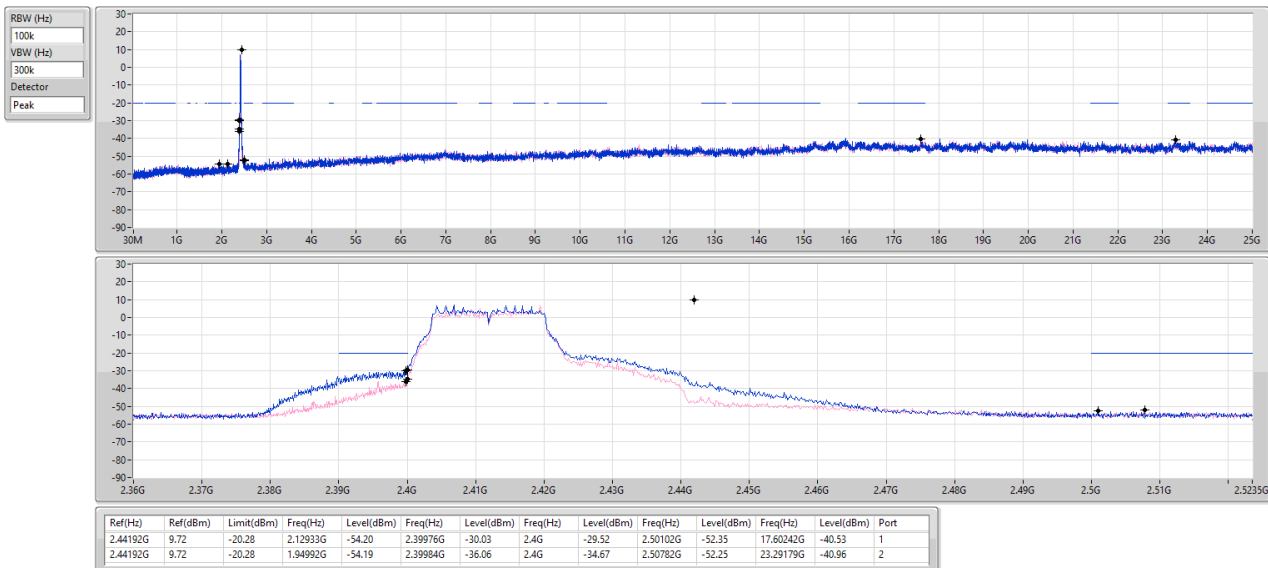
2412MHz



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

CSEndB

2412MHz

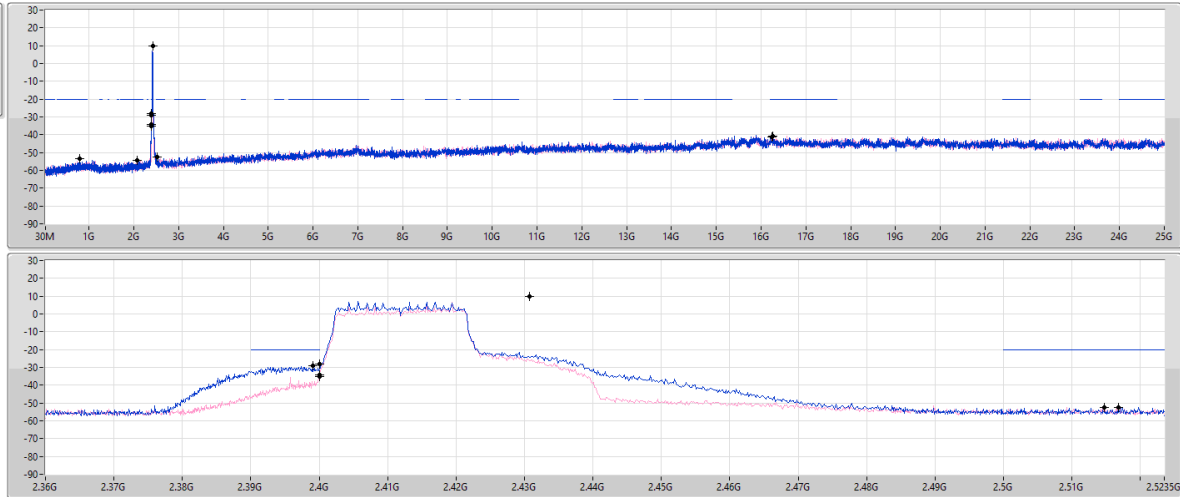


2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_2TX

CSEndB

2412MHz

01/11/2024

RBW (Hz)
100k
VBW (Hz)
300k
Detector
PeakPort 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
2.43079G	9.95	-20.05	2.07458G	-54.37	2.39904G	-28.98	2.4G	-28.11	2.51678G	-52.40	16.23978G	-41.34	1
2.43079G	9.95	-20.05	797.74M	-53.59	2.4G	-35.39	2.4G	-34.27	2.51478G	-52.58	16.27069G	-40.86	2



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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	Pass	2.44192G	9.63	-20.37	2.11768G	-54.37	2.39312G	-31.23	2.4G	-30.13	2.51342G	-52.60	16.25945G	-39.83	1

Result

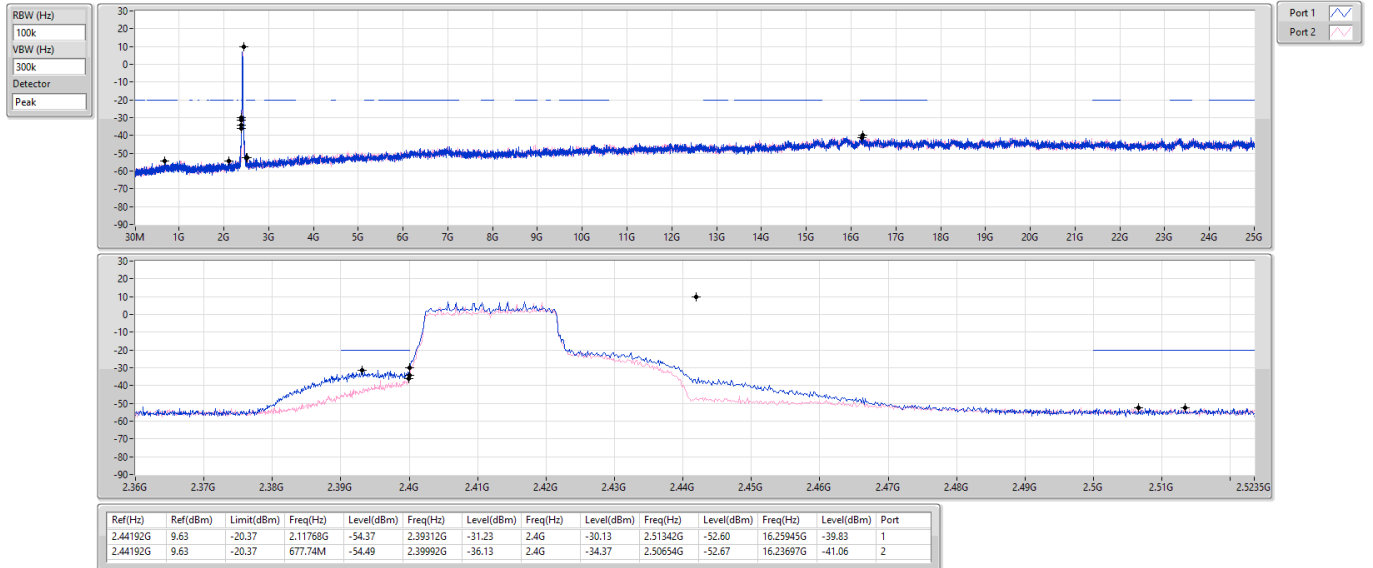
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	9.63	-20.37	2.11768G	-54.37	2.39312G	-31.23	2.4G	-30.13	2.51342G	-52.60	16.25945G	-39.83	1
2412MHz	Pass	2.44192G	9.63	-20.37	677.74M	-54.49	2.39992G	-36.13	2.4G	-34.37	2.50654G	-52.67	16.23697G	-41.06	2
2437MHz	Pass	2.44192G	9.63	-20.37	775.6M	-54.74	2.39984G	-33.05	2.4G	-34.98	2.51654G	-52.62	17.56309G	-41.01	1
2437MHz	Pass	2.44192G	9.63	-20.37	2.14564G	-54.66	2.39416G	-31.73	2.4G	-32.04	2.50494G	-52.74	16.20607G	-40.82	2
2462MHz	Pass	2.44192G	9.63	-20.37	695.22M	-54.27	2.39952G	-48.38	2.4G	-49.57	2.52038G	-52.89	16.64436G	-41.18	1
2462MHz	Pass	2.44192G	9.63	-20.37	1.88119G	-54.50	2.39712G	-51.38	2.4G	-53.93	2.51198G	-52.31	16.25945G	-41.37	2

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX

CSEndB

2412MHz

01/11/2024





Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b20_Nss1,(1Mbps)_1TX	Pass	2.46096G	4.55	-25.45	2.16079G	-54.75	2.39848G	-38.70	2.4G	-53.68	2.50766G	-52.01	21.87296G	-40.85	1
g20_Nss1,(6Mbps)_1TX	Pass	2.44192G	8.76	-21.24	2.30991G	-54.56	2.39856G	-31.72	2.4G	-33.29	2.50022G	-52.67	16.27069G	-40.91	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
b20_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46096G	4.55	-25.45	2.16079G	-54.75	2.39848G	-38.70	2.4G	-53.68	2.50766G	-52.01	21.87296G	-40.85	1
2437MHz	Pass	2.46096G	4.55	-25.45	2.18875G	-54.24	2.39992G	-47.29	2.4G	-54.71	2.5059G	-53.11	24.57014G	-40.41	1
2462MHz	Pass	2.46096G	4.55	-25.45	2.16428G	-51.34	2.39928G	-53.10	2.4G	-55.41	2.50118G	-48.35	24.20208G	-40.82	1
g20_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	8.76	-21.24	2.30991G	-54.56	2.39856G	-31.72	2.4G	-33.29	2.50022G	-52.67	16.27069G	-40.91	1
2437MHz	Pass	2.44192G	8.76	-21.24	2.18642G	-51.24	2.39984G	-37.45	2.4G	-39.37	2.50006G	-48.97	24.18804G	-41.13	1
2462MHz	Pass	2.44192G	8.76	-21.24	2.16894G	-53.54	2.3996G	-52.30	2.4G	-55.04	2.5059G	-51.29	24.49709G	-41.31	1

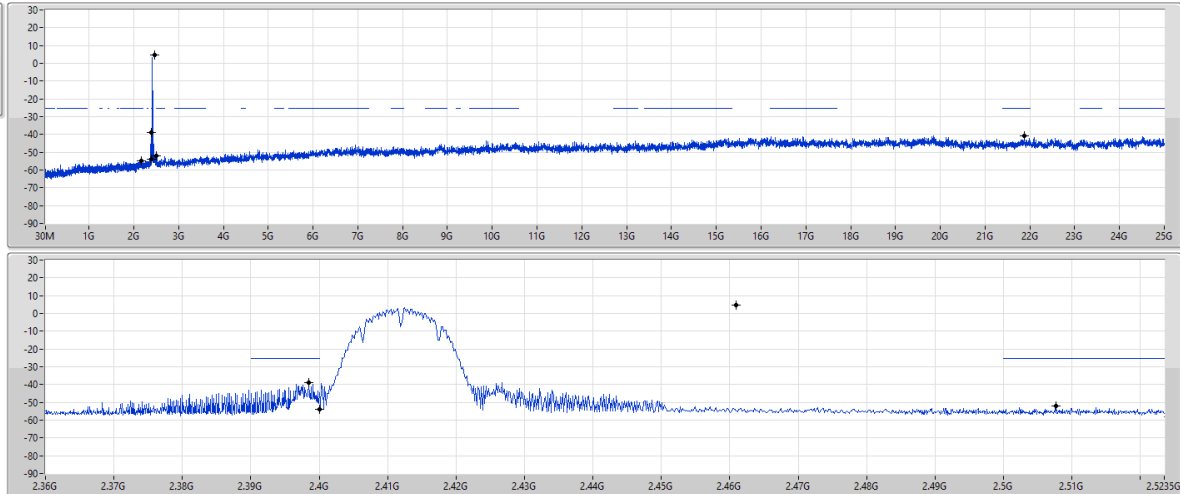
2.4-2.4835GHz_b20_Nss1,(1Mbps)_1TX

CSEndB

2412MHz

12/11/2024

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
2.46096G	4.55	-25.45	2.16079G	-54.75	2.39848G	-38.70	2.4G	-53.68	2.50766G	-52.01	2.187296G	-40.85	1

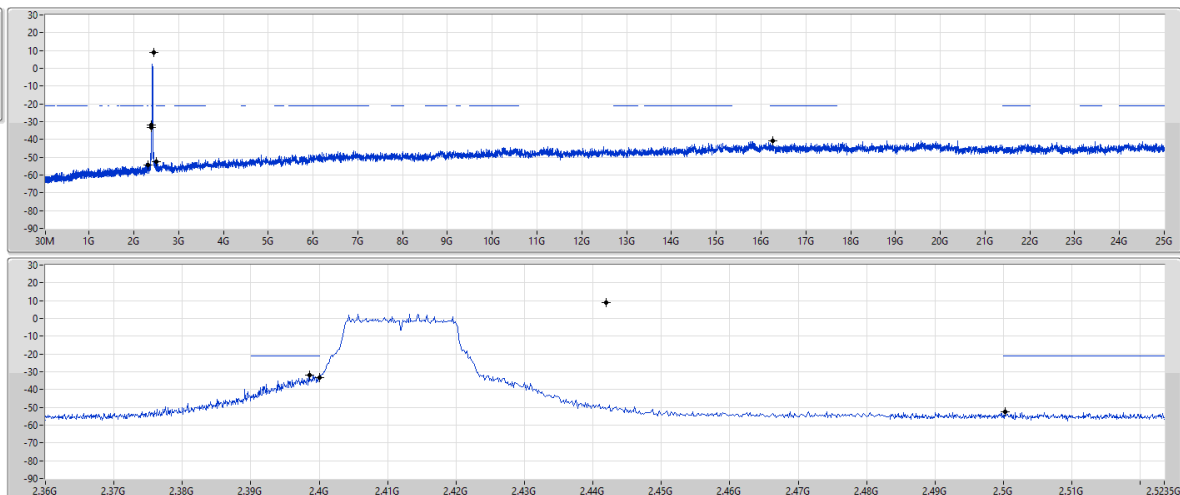
2.4-2.4835GHz_g20_Nss1,(6Mbps)_1TX

CSEndB

2412MHz

08/11/2024

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
2.44192G	8.76	-21.24	2.30991G	-54.56	2.39856G	-31.72	2.4G	-33.29	2.50022G	-52.67	16.27069G	-40.91	1

**Summary**

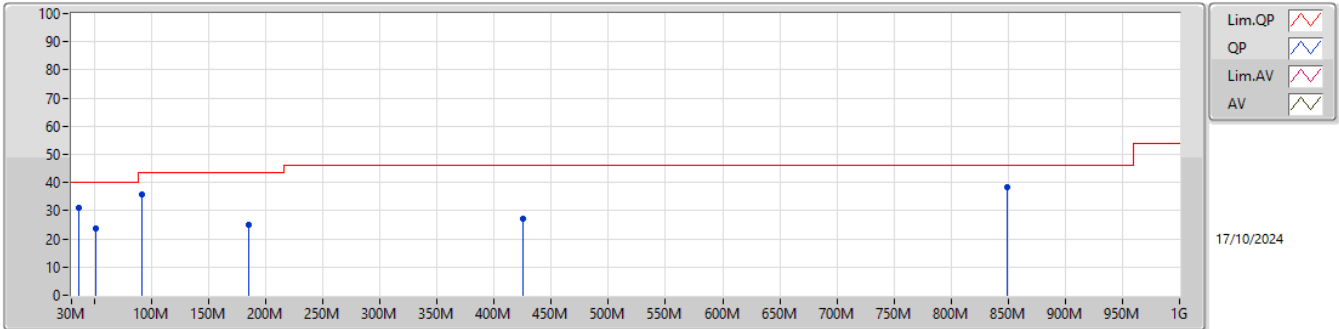
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT20_Nss1,(MCS0)_1TX	Pass	PK	92.08M	35.76	43.50	-7.74	3	Vertical	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2437MHz_PoE	Pass	PK	92.08M	35.76	43.50	-7.74	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	185.2M	24.79	43.50	-18.71	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	424.79M	27.02	46.00	-18.98	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	848.68M	38.23	46.00	-7.77	3	Vertical	0	1.00
2437MHz_PoE	Pass	QP	36.79M	31.25	40.00	-8.75	3	Vertical	211	1.22
2437MHz_PoE	Pass	QP	51.34M	23.50	40.00	-16.50	3	Vertical	94	1.03
2437MHz_PoE	Pass	PK	30M	26.97	40.00	-13.03	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	53.28M	24.82	40.00	-15.18	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	91.11M	28.57	43.50	-14.93	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	250.19M	21.76	46.00	-24.24	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	308.39M	23.86	46.00	-22.14	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	350.1M	24.35	46.00	-21.65	3	Horizontal	360	1.00

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

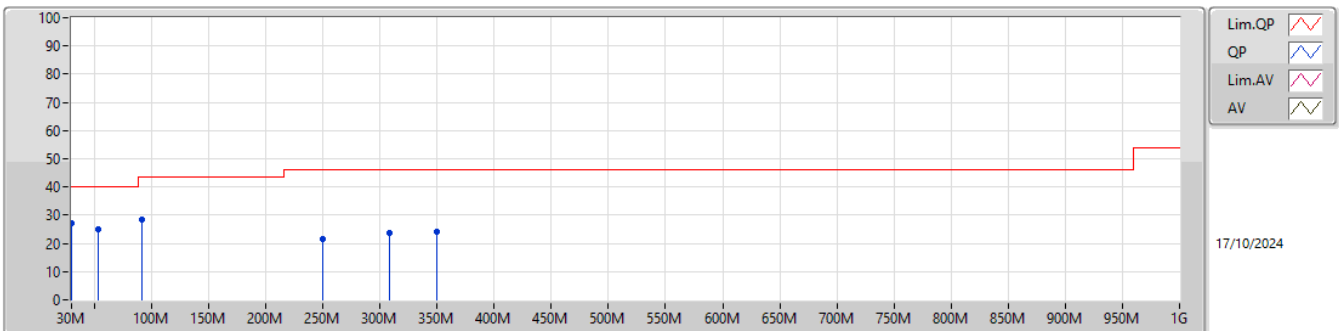
2437MHz_PoE



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)
PK	92.08M	35.76	43.50	-7.74	-12.07	3	Vertical	0	1.00	47.83	14.46	0.72	27.25
PK	185.2M	24.79	43.50	-18.71	-11.67	3	Vertical	0	1.00	36.46	14.18	1.05	26.90
PK	424.79M	27.02	46.00	-18.98	-4.43	3	Vertical	0	1.00	31.45	21.66	1.56	27.65
PK	848.68M	38.23	46.00	-7.77	-0.36	3	Vertical	0	1.00	38.59	25.42	2.20	27.98
QP	36.79M	31.25	40.00	-8.75	-7.08	3	Vertical	211	1.22	38.33	19.85	0.45	27.38
QP	51.34M	23.50	40.00	-16.50	-14.06	3	Vertical	94	1.03	37.56	12.76	0.53	27.35

2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

2437MHz_PoE



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)
PK	30M	26.97	40.00	-13.03	-3.60	3	Horizontal	360	1.00	30.57	23.36	0.42	27.38
PK	53.28M	24.82	40.00	-15.18	-14.71	3	Horizontal	360	1.00	39.53	12.09	0.55	27.35
PK	91.11M	28.57	43.50	-14.93	-12.24	3	Horizontal	360	1.00	40.81	14.30	0.72	27.26
PK	250.19M	21.76	46.00	-24.24	-7.91	3	Horizontal	360	1.00	29.67	17.52	1.21	26.64
PK	308.39M	23.86	46.00	-22.14	-6.85	3	Horizontal	360	1.00	30.71	18.55	1.33	26.73
PK	350.1M	24.35	46.00	-21.65	-6.23	3	Horizontal	360	1.00	30.58	19.37	1.43	27.03

**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)_1TX	Pass	AV	2.39G	53.36	54.00	-0.64	3	Horizontal	306	2.63
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.4835G	53.88	54.00	-0.12	3	Horizontal	307	1.00
802.11be EHT20_Nss1,(MCS0)_1TX	Pass	AV	2.39G	53.12	54.00	-0.88	3	Horizontal	305	2.63

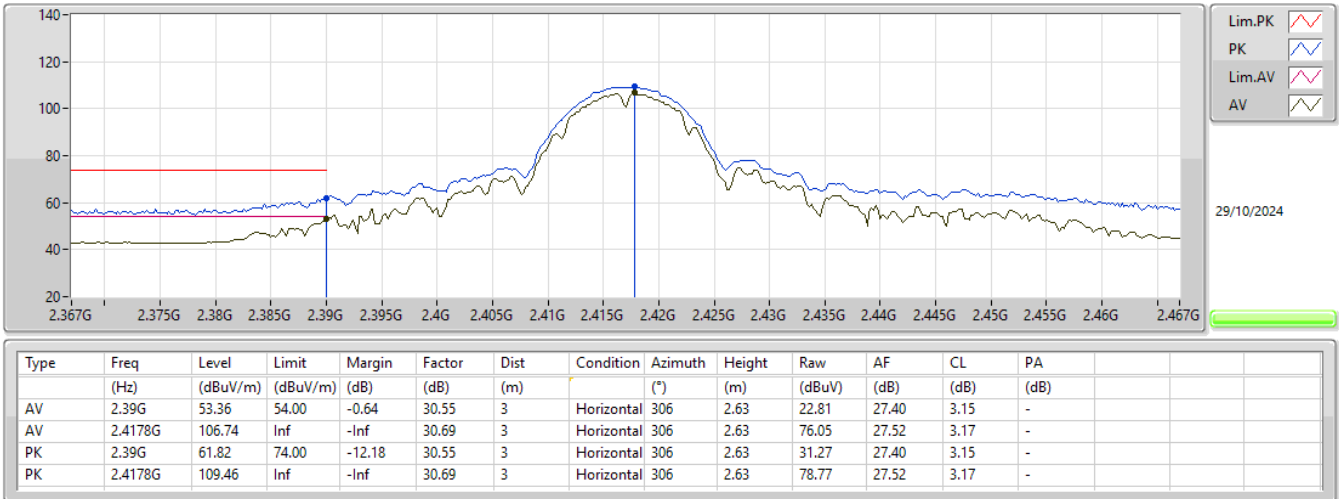
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3896G	49.03	54.00	-4.97	3	Horizontal	302	2.73
2412MHz	Pass	AV	2.4126G	106.33	Inf	-Inf	3	Horizontal	302	2.73
2412MHz	Pass	PK	2.3898G	59.63	74.00	-14.37	3	Horizontal	302	2.73
2412MHz	Pass	PK	2.4128G	109.16	Inf	-Inf	3	Horizontal	302	2.73
2412MHz	Pass	AV	4.824G	38.85	54.00	-15.15	3	Vertical	51	1.86
2412MHz	Pass	PK	4.82406G	45.39	74.00	-28.61	3	Vertical	51	1.86
2412MHz	Pass	AV	4.824G	37.36	54.00	-16.64	3	Horizontal	44	1.50
2412MHz	Pass	PK	4.82394G	44.48	74.00	-29.52	3	Horizontal	44	1.50
2417MHz	Pass	AV	2.39G	53.36	54.00	-0.64	3	Horizontal	306	2.63
2417MHz	Pass	AV	2.4178G	106.74	Inf	-Inf	3	Horizontal	306	2.63
2417MHz	Pass	PK	2.39G	61.82	74.00	-12.18	3	Horizontal	306	2.63
2417MHz	Pass	PK	2.4178G	109.46	Inf	-Inf	3	Horizontal	306	2.63
2437MHz	Pass	AV	2.38868G	43.19	54.00	-10.81	3	Vertical	154	1.72
2437MHz	Pass	AV	2.43636G	100.73	Inf	-Inf	3	Vertical	154	1.72
2437MHz	Pass	AV	2.48564G	44.03	54.00	-9.97	3	Vertical	154	1.72
2437MHz	Pass	PK	2.3586G	58.06	74.00	-15.94	3	Vertical	154	1.72
2437MHz	Pass	PK	2.43604G	103.50	Inf	-Inf	3	Vertical	154	1.72
2437MHz	Pass	PK	2.48852G	58.20	74.00	-15.80	3	Vertical	154	1.72
2437MHz	Pass	AV	2.38836G	43.57	54.00	-10.43	3	Horizontal	308	2.88
2437MHz	Pass	AV	2.43636G	107.36	Inf	-Inf	3	Horizontal	308	2.88
2437MHz	Pass	AV	2.48564G	45.27	54.00	-8.73	3	Horizontal	308	2.88
2437MHz	Pass	PK	2.38932G	57.11	74.00	-16.89	3	Horizontal	308	2.88
2437MHz	Pass	PK	2.43604G	110.21	Inf	-Inf	3	Horizontal	308	2.88
2437MHz	Pass	PK	2.48564G	58.49	74.00	-15.51	3	Horizontal	308	2.88
2437MHz	Pass	AV	4.874G	38.88	54.00	-15.12	3	Vertical	29	1.50
2437MHz	Pass	PK	4.87406G	44.97	74.00	-29.03	3	Vertical	29	1.50
2437MHz	Pass	AV	4.87394G	40.67	54.00	-13.33	3	Horizontal	344	1.12
2437MHz	Pass	PK	4.87388G	45.75	74.00	-28.25	3	Horizontal	344	1.12
2457MHz	Pass	AV	2.4562G	105.94	Inf	-Inf	3	Horizontal	320	1.24
2457MHz	Pass	AV	2.4835G	51.62	54.00	-2.38	3	Horizontal	320	1.24
2457MHz	Pass	PK	2.456G	108.75	Inf	-Inf	3	Horizontal	320	1.24
2457MHz	Pass	PK	2.4836G	61.64	74.00	-12.36	3	Horizontal	320	1.24
2462MHz	Pass	AV	2.4612G	105.73	Inf	-Inf	3	Horizontal	313	1.01
2462MHz	Pass	AV	2.4862G	52.85	54.00	-1.15	3	Horizontal	313	1.01
2462MHz	Pass	PK	2.461G	108.51	Inf	-Inf	3	Horizontal	313	1.01
2462MHz	Pass	PK	2.4846G	62.47	74.00	-11.53	3	Horizontal	313	1.01
2462MHz	Pass	AV	4.92406G	37.57	54.00	-16.43	3	Vertical	300	1.50
2462MHz	Pass	PK	4.92388G	44.69	74.00	-29.31	3	Vertical	300	1.50
2462MHz	Pass	AV	4.924G	41.23	54.00	-12.77	3	Horizontal	298	1.00
2462MHz	Pass	PK	4.924G	46.28	74.00	-27.72	3	Horizontal	298	1.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	50.74	54.00	-3.26	3	Horizontal	305	2.65
2412MHz	Pass	AV	2.4186G	98.39	Inf	-Inf	3	Horizontal	305	2.65
2412MHz	Pass	PK	2.3898G	68.90	74.00	-5.10	3	Horizontal	305	2.65
2412MHz	Pass	PK	2.418G	109.64	Inf	-Inf	3	Horizontal	305	2.65
2412MHz	Pass	AV	4.82214G	27.08	54.00	-26.92	3	Vertical	40	1.50
2412MHz	Pass	PK	4.83888G	41.53	74.00	-32.47	3	Vertical	40	1.50
2412MHz	Pass	AV	4.82262G	27.75	54.00	-26.25	3	Horizontal	337	1.02
2412MHz	Pass	PK	4.82142G	41.93	74.00	-32.07	3	Horizontal	337	1.02
2417MHz	Pass	AV	2.39G	51.44	54.00	-2.56	3	Horizontal	304	2.64
2417MHz	Pass	AV	2.4226G	99.62	Inf	-Inf	3	Horizontal	304	2.64
2417MHz	Pass	PK	2.3894G	65.55	74.00	-8.45	3	Horizontal	304	2.64
2417MHz	Pass	PK	2.4228G	111.15	Inf	-Inf	3	Horizontal	304	2.64
2437MHz	Pass	AV	2.38996G	45.86	54.00	-8.14	3	Horizontal	303	2.93
2437MHz	Pass	AV	2.44404G	100.63	Inf	-Inf	3	Horizontal	303	2.93
2437MHz	Pass	AV	2.4835G	48.45	54.00	-5.55	3	Horizontal	303	2.93
2437MHz	Pass	PK	2.38932G	61.22	74.00	-12.78	3	Horizontal	303	2.93
2437MHz	Pass	PK	2.43668G	112.52	Inf	-Inf	3	Horizontal	303	2.93
2437MHz	Pass	PK	2.48372G	64.53	74.00	-9.47	3	Horizontal	303	2.93
2437MHz	Pass	AV	4.874G	28.36	54.00	-25.64	3	Vertical	29	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2437MHz	Pass	PK	4.87058G	41.94	74.00	-32.06	3	Vertical	29	1.50
2437MHz	Pass	AV	4.8749G	28.75	54.00	-25.25	3	Horizontal	345	1.28
2437MHz	Pass	PK	4.87496G	42.67	74.00	-31.33	3	Horizontal	345	1.28
2457MHz	Pass	AV	2.4554G	98.69	Inf	-Inf	3	Horizontal	307	1.00
2457MHz	Pass	AV	2.4835G	53.88	54.00	-0.12	3	Horizontal	307	1.00
2457MHz	Pass	PK	2.455G	110.66	Inf	-Inf	3	Horizontal	307	1.00
2457MHz	Pass	PK	2.4835G	68.77	74.00	-5.23	3	Horizontal	307	1.00
2462MHz	Pass	AV	2.4566G	98.29	Inf	-Inf	3	Horizontal	320	1.26
2462MHz	Pass	AV	2.4835G	52.65	54.00	-1.35	3	Horizontal	320	1.26
2462MHz	Pass	PK	2.4596G	109.70	Inf	-Inf	3	Horizontal	320	1.26
2462MHz	Pass	PK	2.4836G	66.67	74.00	-7.33	3	Horizontal	320	1.26
2462MHz	Pass	AV	4.92412G	28.05	54.00	-25.95	3	Vertical	46	1.50
2462MHz	Pass	PK	4.93084G	42.12	74.00	-31.88	3	Vertical	46	1.50
2462MHz	Pass	AV	4.9246G	28.60	54.00	-25.40	3	Horizontal	299	1.19
2462MHz	Pass	PK	4.92274G	43.04	74.00	-30.96	3	Horizontal	299	1.19
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.12	54.00	-0.88	3	Horizontal	305	2.63
2412MHz	Pass	AV	2.4204G	97.90	Inf	-Inf	3	Horizontal	305	2.63
2412MHz	Pass	PK	2.3892G	68.73	74.00	-5.27	3	Horizontal	305	2.63
2412MHz	Pass	PK	2.4176G	111.40	Inf	-Inf	3	Horizontal	305	2.63
2412MHz	Pass	AV	4.82148G	27.84	54.00	-26.16	3	Vertical	58	2.22
2412MHz	Pass	PK	4.8258G	42.34	74.00	-31.66	3	Vertical	58	2.22
2412MHz	Pass	AV	4.82388G	27.33	54.00	-26.67	3	Horizontal	343	1.08
2412MHz	Pass	PK	4.82766G	41.25	74.00	-32.75	3	Horizontal	343	1.08
2417MHz	Pass	AV	2.39G	52.55	54.00	-1.45	3	Horizontal	293	3.00
2417MHz	Pass	AV	2.4244G	99.16	Inf	-Inf	3	Horizontal	293	3.00
2417MHz	Pass	PK	2.39G	70.24	74.00	-3.76	3	Horizontal	293	3.00
2417MHz	Pass	PK	2.4246G	113.39	Inf	-Inf	3	Horizontal	293	3.00
2437MHz	Pass	AV	2.38996G	47.08	54.00	-6.92	3	Horizontal	302	2.94
2437MHz	Pass	AV	2.4434G	100.08	Inf	-Inf	3	Horizontal	302	2.94
2437MHz	Pass	AV	2.4835G	49.69	54.00	-4.31	3	Horizontal	302	2.94
2437MHz	Pass	PK	2.38996G	61.95	74.00	-12.05	3	Horizontal	302	2.94
2437MHz	Pass	PK	2.4402G	114.29	Inf	-Inf	3	Horizontal	302	2.94
2437MHz	Pass	PK	2.4835G	65.47	74.00	-8.53	3	Horizontal	302	2.94
2437MHz	Pass	AV	4.87412G	28.34	54.00	-25.66	3	Vertical	28	1.78
2437MHz	Pass	PK	4.86884G	42.77	74.00	-31.23	3	Vertical	28	1.78
2437MHz	Pass	AV	4.87532G	28.52	54.00	-25.48	3	Horizontal	342	1.25
2437MHz	Pass	PK	4.88654G	42.73	74.00	-31.27	3	Horizontal	342	1.25
2457MHz	Pass	AV	2.458G	97.90	Inf	-Inf	3	Horizontal	309	1.00
2457MHz	Pass	AV	2.4835G	51.57	54.00	-2.43	3	Horizontal	309	1.00
2457MHz	Pass	PK	2.4546G	111.38	Inf	-Inf	3	Horizontal	309	1.00
2457MHz	Pass	PK	2.4835G	68.63	74.00	-5.37	3	Horizontal	309	1.00
2462MHz	Pass	AV	2.4568G	97.66	Inf	-Inf	3	Horizontal	305	1.00
2462MHz	Pass	AV	2.4835G	52.18	54.00	-1.82	3	Horizontal	305	1.00
2462MHz	Pass	PK	2.4584G	111.43	Inf	-Inf	3	Horizontal	305	1.00
2462MHz	Pass	PK	2.4835G	66.53	74.00	-7.47	3	Horizontal	305	1.00
2462MHz	Pass	AV	4.92406G	28.26	54.00	-25.74	3	Vertical	297	1.71
2462MHz	Pass	PK	4.90906G	42.93	74.00	-31.07	3	Vertical	297	1.71
2462MHz	Pass	AV	4.92388G	28.81	54.00	-25.19	3	Horizontal	290	1.04
2462MHz	Pass	PK	4.91986G	43.64	74.00	-30.36	3	Horizontal	290	1.04

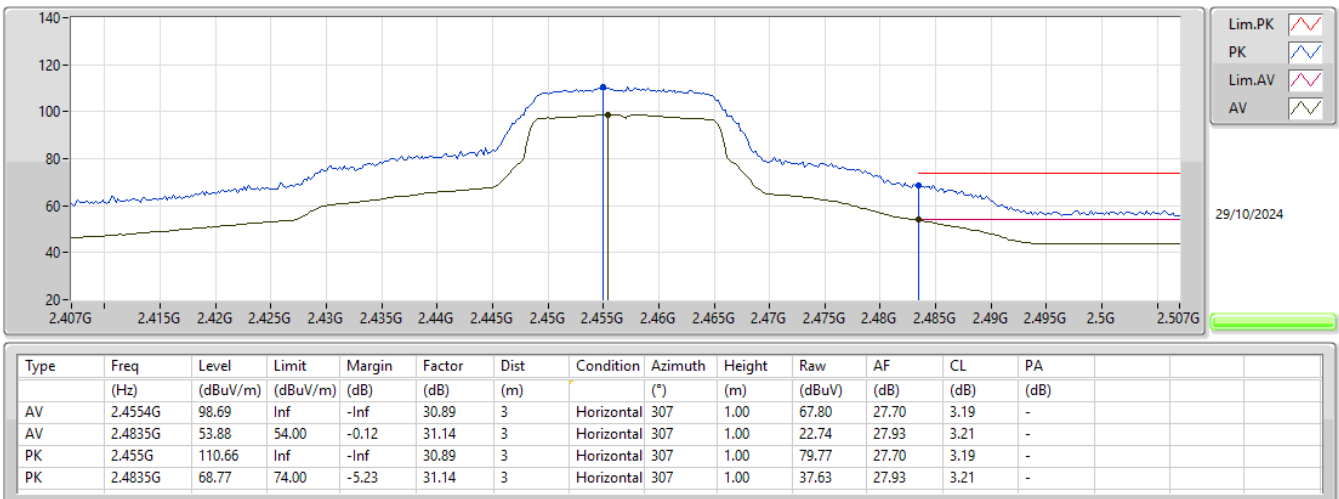
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX



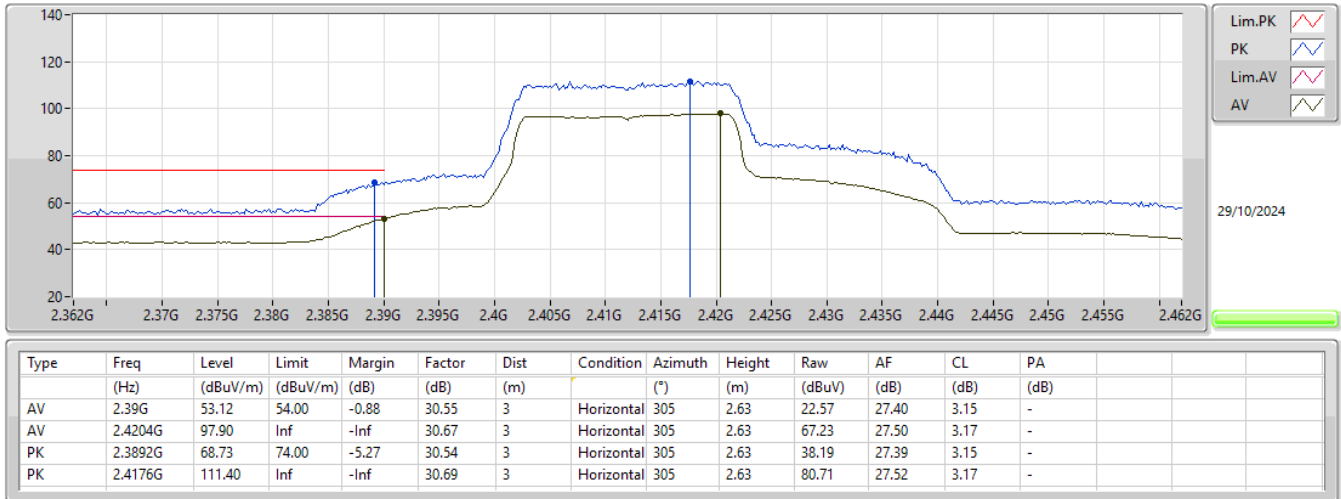
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX



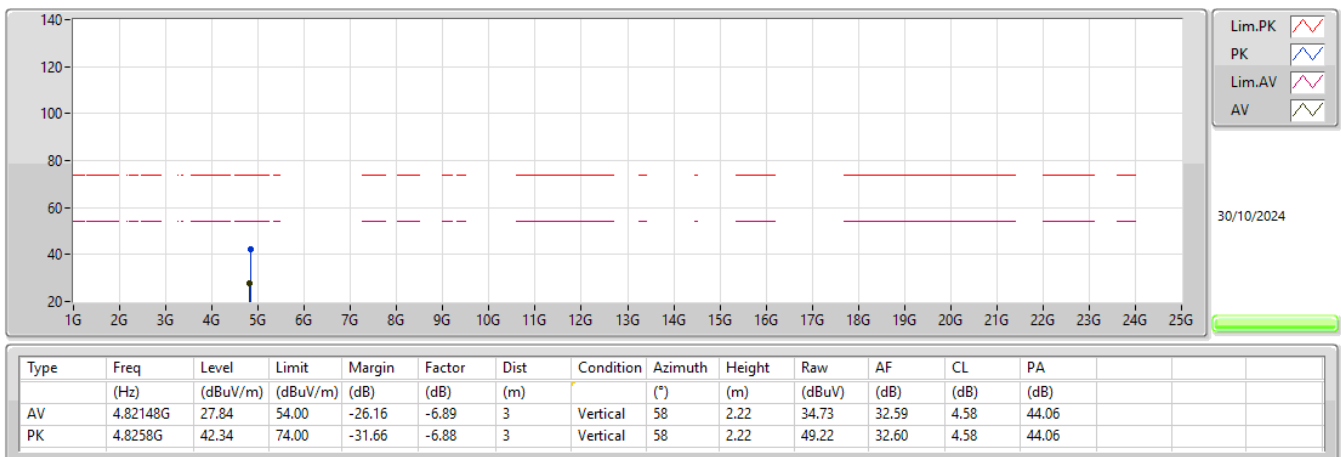
2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

2412MHz_TX



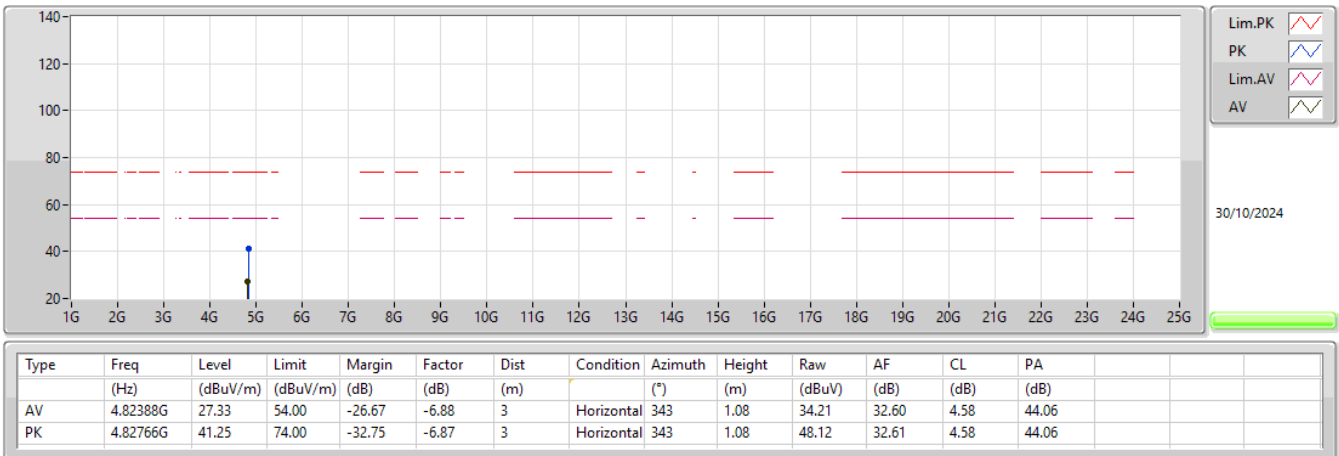
2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

2412MHz_TX



2.4-2.4835GHz_802.11be EHT20_Nss1,(MCS0)_1TX

2412MHz_TX





Summary

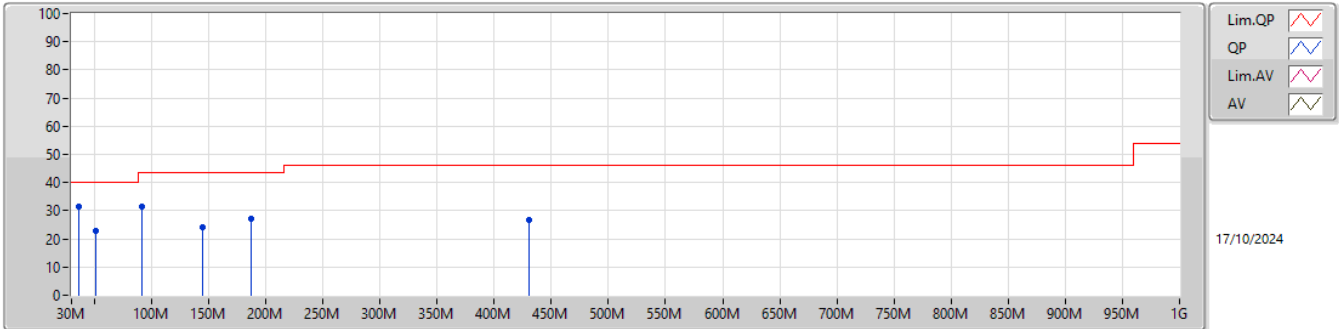
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	PK	30M	32.21	40.00	-7.79	3	Horizontal	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2437MHz_PoE	Pass	PK	92.08M	31.65	43.50	-11.85	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	144.46M	24.29	43.50	-19.21	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	187.14M	27.06	43.50	-16.44	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	430.61M	26.90	46.00	-19.10	3	Vertical	0	1.00
2437MHz_PoE	Pass	QP	36.79M	31.58	40.00	-8.42	3	Vertical	178	1.46
2437MHz_PoE	Pass	QP	51.34M	23.06	40.00	-16.94	3	Vertical	43	1.21
2437MHz_PoE	Pass	PK	30M	32.21	40.00	-7.79	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	85.29M	25.69	40.00	-14.31	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	188.11M	21.65	43.50	-21.85	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	250.19M	23.16	46.00	-22.84	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	350.1M	25.04	46.00	-20.96	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	429.64M	24.24	46.00	-21.76	3	Horizontal	360	1.00

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

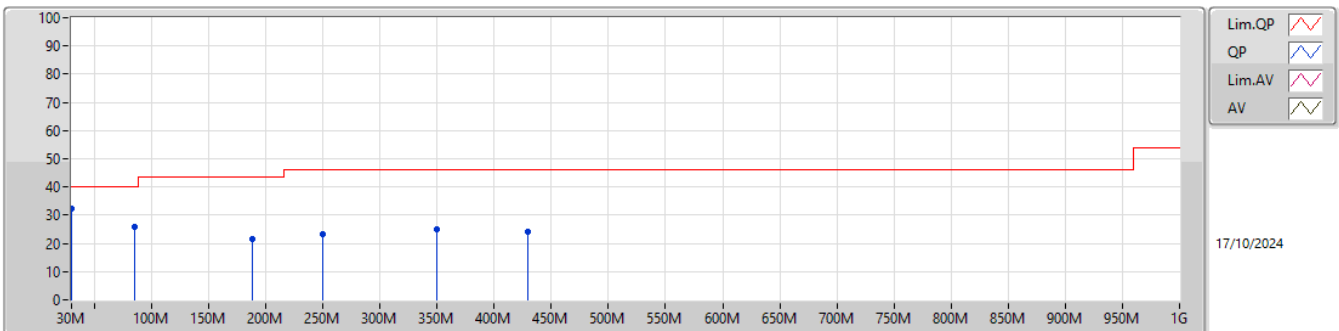
2437MHz_PoE



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)
PK	92.08M	31.65	43.50	-11.85	-12.07	3	Vertical	0	1.00	43.72	14.46	0.72	27.25
PK	144.46M	24.29	43.50	-19.21	-10.24	3	Vertical	0	1.00	34.53	15.93	0.91	27.08
PK	187.14M	27.06	43.50	-16.44	-11.69	3	Vertical	0	1.00	38.75	14.15	1.05	26.89
PK	430.61M	26.90	46.00	-19.10	-4.50	3	Vertical	0	1.00	31.40	21.64	1.57	27.71
QP	36.79M	31.58	40.00	-8.42	-7.08	3	Vertical	178	1.46	38.66	19.85	0.45	27.38
QP	51.34M	23.06	40.00	-16.94	-14.06	3	Vertical	43	1.21	37.12	12.76	0.53	27.35

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

2437MHz_PoE



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)
PK	30M	32.21	40.00	-7.79	-3.60	3	Horizontal	360	1.00	35.81	23.36	0.42	27.38
PK	85.29M	25.69	40.00	-14.31	-13.36	3	Horizontal	360	1.00	39.05	13.24	0.68	27.28
PK	188.11M	21.65	43.50	-21.85	-11.69	3	Horizontal	360	1.00	33.34	14.15	1.05	26.89
PK	250.19M	23.16	46.00	-22.84	-7.91	3	Horizontal	360	1.00	31.07	17.52	1.21	26.64
PK	350.1M	25.04	46.00	-20.96	-6.23	3	Horizontal	360	1.00	31.27	19.37	1.43	27.03
PK	429.64M	24.24	46.00	-21.76	-4.51	3	Horizontal	360	1.00	28.75	21.62	1.57	27.70



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	2.4838G	52.93	54.00	-1.07	3	Vertical	25	2.96
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4846G	53.70	54.00	-0.30	3	Vertical	346	2.95
802.11be EHT20_Nss1,(MCS0)_2TX	Pass	AV	2.48372G	53.47	54.00	-0.53	3	Vertical	352	2.94

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	2.3898G	51.19	54.00	-2.81	3	Vertical	261	2.73
2412MHz	Pass	AV	2.4128G	109.31	Inf	-Inf	3	Vertical	261	2.73
2412MHz	Pass	PK	2.3896G	60.60	74.00	-13.40	3	Vertical	261	2.73
2412MHz	Pass	PK	2.4128G	112.05	Inf	-Inf	3	Vertical	261	2.73
2412MHz	Pass	AV	4.82394G	39.41	54.00	-14.59	3	Vertical	256	2.44
2412MHz	Pass	PK	4.82406G	45.52	74.00	-28.48	3	Vertical	256	2.44
2412MHz	Pass	AV	4.82394G	39.61	54.00	-14.39	3	Horizontal	230	2.86
2412MHz	Pass	PK	4.82388G	46.15	74.00	-27.85	3	Horizontal	230	2.86
2417MHz	Pass	AV	2.39G	51.31	54.00	-2.69	3	Vertical	260	2.76
2417MHz	Pass	AV	2.4178G	111.14	Inf	-Inf	3	Vertical	260	2.76
2417MHz	Pass	PK	2.3888G	60.10	74.00	-13.90	3	Vertical	260	2.76
2417MHz	Pass	PK	2.4178G	113.83	Inf	-Inf	3	Vertical	260	2.76
2437MHz	Pass	AV	2.38516G	44.81	54.00	-9.19	3	Vertical	261	2.82
2437MHz	Pass	AV	2.43636G	111.22	Inf	-Inf	3	Vertical	261	2.82
2437MHz	Pass	AV	2.48564G	44.70	54.00	-9.30	3	Vertical	261	2.82
2437MHz	Pass	PK	2.38996G	57.67	74.00	-16.33	3	Vertical	261	2.82
2437MHz	Pass	PK	2.43604G	113.97	Inf	-Inf	3	Vertical	261	2.82
2437MHz	Pass	PK	2.4835G	57.97	74.00	-16.03	3	Vertical	261	2.82
2437MHz	Pass	AV	4.87394G	41.62	54.00	-12.38	3	Vertical	284	2.75
2437MHz	Pass	PK	4.87418G	46.63	74.00	-27.37	3	Vertical	284	2.75
2437MHz	Pass	AV	4.87394G	40.70	54.00	-13.30	3	Horizontal	233	2.87
2437MHz	Pass	PK	4.87406G	46.33	74.00	-27.67	3	Horizontal	233	2.87
2457MHz	Pass	AV	2.4562G	109.63	Inf	-Inf	3	Vertical	25	2.96
2457MHz	Pass	AV	2.4838G	52.93	54.00	-1.07	3	Vertical	25	2.96
2457MHz	Pass	PK	2.456G	112.37	Inf	-Inf	3	Vertical	25	2.96
2457MHz	Pass	PK	2.4835G	62.66	74.00	-11.34	3	Vertical	25	2.96
2462MHz	Pass	AV	2.4612G	107.31	Inf	-Inf	3	Vertical	327	1.22
2462MHz	Pass	AV	2.4862G	51.55	54.00	-2.45	3	Vertical	327	1.22
2462MHz	Pass	PK	2.461G	110.11	Inf	-Inf	3	Vertical	327	1.22
2462MHz	Pass	PK	2.486G	61.42	74.00	-12.58	3	Vertical	327	1.22
2462MHz	Pass	AV	4.92394G	43.08	54.00	-10.92	3	Vertical	85	2.59
2462MHz	Pass	PK	4.92394G	47.45	74.00	-26.55	3	Vertical	85	2.59
2462MHz	Pass	AV	4.92394G	41.87	54.00	-12.13	3	Horizontal	237	2.94
2462MHz	Pass	PK	4.92394G	46.79	74.00	-27.21	3	Horizontal	237	2.94
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	51.77	54.00	-2.23	3	Vertical	259	2.76
2412MHz	Pass	AV	2.417G	101.68	Inf	-Inf	3	Vertical	259	2.76
2412MHz	Pass	PK	2.3898G	67.26	74.00	-6.74	3	Vertical	259	2.76
2412MHz	Pass	PK	2.417G	112.41	Inf	-Inf	3	Vertical	259	2.76
2412MHz	Pass	AV	4.82232G	28.89	54.00	-25.11	3	Vertical	258	2.42
2412MHz	Pass	PK	4.8228G	43.35	74.00	-30.65	3	Vertical	258	2.42
2412MHz	Pass	AV	4.82256G	28.79	54.00	-25.21	3	Horizontal	230	2.85
2412MHz	Pass	PK	4.82226G	42.96	74.00	-31.04	3	Horizontal	230	2.85
2417MHz	Pass	AV	2.39G	53.43	54.00	-0.57	3	Vertical	261	2.66
2417MHz	Pass	AV	2.422G	102.81	Inf	-Inf	3	Vertical	261	2.66
2417MHz	Pass	PK	2.3858G	66.54	74.00	-7.46	3	Vertical	261	2.66
2417MHz	Pass	PK	2.4218G	113.77	Inf	-Inf	3	Vertical	261	2.66
2437MHz	Pass	AV	2.38964G	48.60	54.00	-5.40	3	Vertical	353	2.72
2437MHz	Pass	AV	2.43476G	103.90	Inf	-Inf	3	Vertical	353	2.72
2437MHz	Pass	AV	2.48564G	51.08	54.00	-2.92	3	Vertical	353	2.72
2437MHz	Pass	PK	2.38932G	64.88	74.00	-9.12	3	Vertical	353	2.72
2437MHz	Pass	PK	2.43508G	114.95	Inf	-Inf	3	Vertical	353	2.72
2437MHz	Pass	PK	2.48628G	72.13	74.00	-1.87	3	Vertical	353	2.72
2437MHz	Pass	AV	4.87724G	31.86	54.00	-22.14	3	Vertical	286	2.91
2437MHz	Pass	PK	4.86686G	46.09	74.00	-27.91	3	Vertical	286	2.91
2437MHz	Pass	AV	4.8725G	31.14	54.00	-22.86	3	Horizontal	233	2.85
2437MHz	Pass	PK	4.88174G	45.53	74.00	-28.47	3	Horizontal	233	2.85
2457MHz	Pass	AV	2.4552G	101.70	Inf	-Inf	3	Vertical	346	2.95
2457MHz	Pass	AV	2.4846G	53.70	54.00	-0.30	3	Vertical	346	2.95
2457MHz	Pass	PK	2.4552G	113.14	Inf	-Inf	3	Vertical	346	2.95



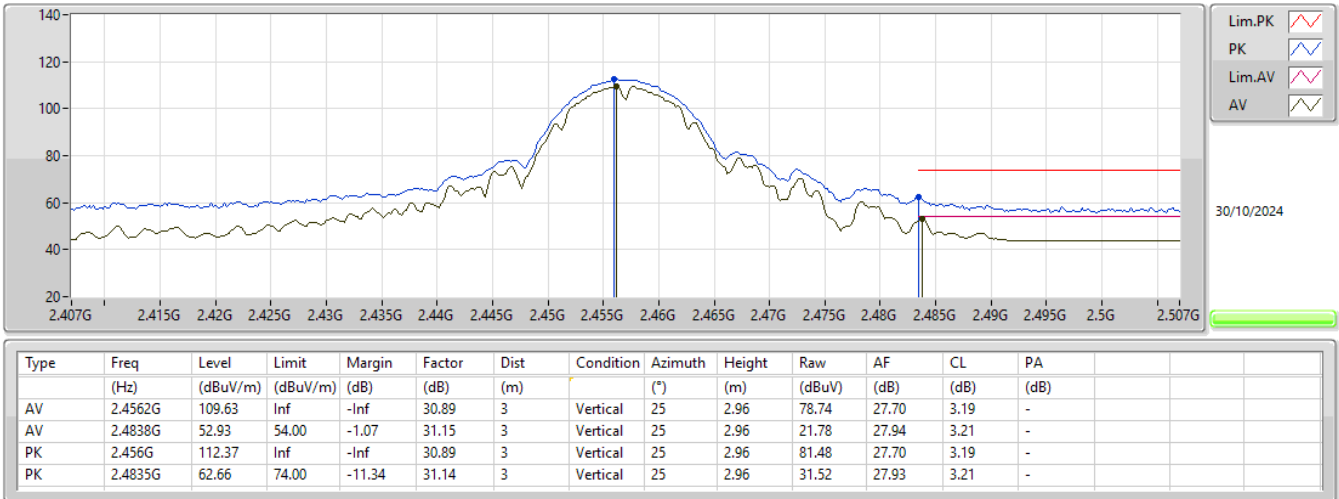
RSE TX above 1GHz_Non-Beamforming_Radio 1_2T1S

Appendix F.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2457MHz	Pass	PK	2.485G	68.55	74.00	-5.45	3	Vertical	346	2.95
2462MHz	Pass	AV	2.4552G	101.07	Inf	-Inf	3	Vertical	349	3.00
2462MHz	Pass	AV	2.4835G	51.15	54.00	-2.85	3	Vertical	349	3.00
2462MHz	Pass	PK	2.455G	111.67	Inf	-Inf	3	Vertical	349	3.00
2462MHz	Pass	PK	2.4836G	64.48	74.00	-9.52	3	Vertical	349	3.00
2462MHz	Pass	AV	4.927G	32.71	54.00	-21.29	3	Vertical	277	3.00
2462MHz	Pass	PK	4.92688G	46.92	74.00	-27.08	3	Vertical	277	3.00
2462MHz	Pass	AV	4.92238G	30.77	54.00	-23.23	3	Horizontal	235	2.75
2462MHz	Pass	PK	4.92316G	44.67	74.00	-29.33	3	Horizontal	235	2.75
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3896G	53.09	54.00	-0.91	3	Vertical	260	2.76
2412MHz	Pass	AV	2.4196G	100.84	Inf	-Inf	3	Vertical	260	2.76
2412MHz	Pass	PK	2.3892G	67.63	74.00	-6.37	3	Vertical	260	2.76
2412MHz	Pass	PK	2.4068G	113.99	Inf	-Inf	3	Vertical	260	2.76
2412MHz	Pass	AV	4.82298G	28.30	54.00	-25.70	3	Vertical	260	2.44
2412MHz	Pass	PK	4.83006G	42.49	74.00	-31.51	3	Vertical	260	2.44
2412MHz	Pass	AV	4.82316G	28.12	54.00	-25.88	3	Horizontal	229	2.60
2412MHz	Pass	PK	4.8324G	42.39	74.00	-31.61	3	Horizontal	229	2.60
2417MHz	Pass	AV	2.3898G	52.34	54.00	-1.66	3	Vertical	264	2.77
2417MHz	Pass	AV	2.4222G	101.48	Inf	-Inf	3	Vertical	264	2.77
2417MHz	Pass	PK	2.3898G	66.45	74.00	-7.55	3	Vertical	264	2.77
2417MHz	Pass	PK	2.4198G	115.08	Inf	-Inf	3	Vertical	264	2.77
2437MHz	Pass	AV	2.38996G	49.75	54.00	-4.25	3	Vertical	352	2.94
2437MHz	Pass	AV	2.43348G	102.87	Inf	-Inf	3	Vertical	352	2.94
2437MHz	Pass	AV	2.48372G	53.47	54.00	-0.53	3	Vertical	352	2.94
2437MHz	Pass	PK	2.38996G	63.84	74.00	-10.16	3	Vertical	352	2.94
2437MHz	Pass	PK	2.43828G	116.12	Inf	-Inf	3	Vertical	352	2.94
2437MHz	Pass	PK	2.48372G	67.52	74.00	-6.48	3	Vertical	352	2.94
2437MHz	Pass	AV	4.87316G	31.24	54.00	-22.76	3	Vertical	284	2.95
2437MHz	Pass	PK	4.87328G	45.00	74.00	-29.00	3	Vertical	284	2.95
2437MHz	Pass	AV	4.87556G	30.41	54.00	-23.59	3	Horizontal	234	2.90
2437MHz	Pass	PK	4.88042G	44.40	74.00	-29.60	3	Horizontal	234	2.90
2457MHz	Pass	AV	2.4536G	100.67	Inf	-Inf	3	Vertical	347	2.04
2457MHz	Pass	AV	2.4835G	53.00	54.00	-1.00	3	Vertical	347	2.04
2457MHz	Pass	PK	2.4512G	114.14	Inf	-Inf	3	Vertical	347	2.04
2457MHz	Pass	PK	2.4835G	70.06	74.00	-3.94	3	Vertical	347	2.04
2462MHz	Pass	AV	2.456G	100.35	Inf	-Inf	3	Vertical	346	2.94
2462MHz	Pass	AV	2.4835G	51.95	54.00	-2.05	3	Vertical	346	2.94
2462MHz	Pass	PK	2.4586G	114.11	Inf	-Inf	3	Vertical	346	2.94
2462MHz	Pass	PK	2.4842G	65.43	74.00	-8.57	3	Vertical	346	2.94
2462MHz	Pass	AV	4.92568G	32.25	54.00	-21.75	3	Vertical	279	3.00
2462MHz	Pass	PK	4.9282G	46.57	74.00	-27.43	3	Vertical	279	3.00
2462MHz	Pass	AV	4.92322G	30.48	54.00	-23.52	3	Horizontal	236	2.87
2462MHz	Pass	PK	4.9255G	44.63	74.00	-29.37	3	Horizontal	236	2.87

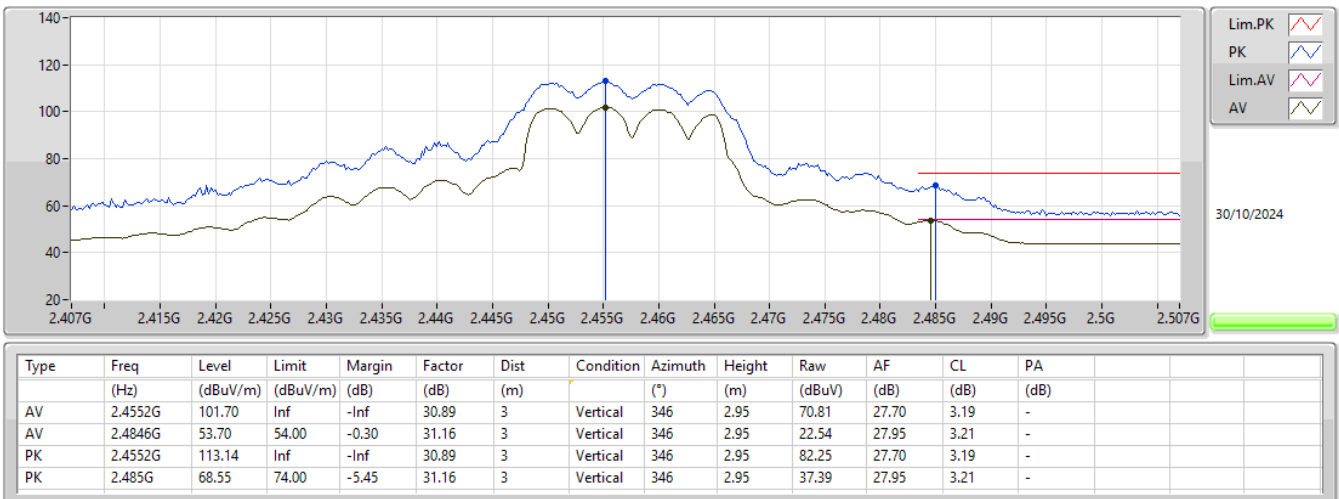
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX



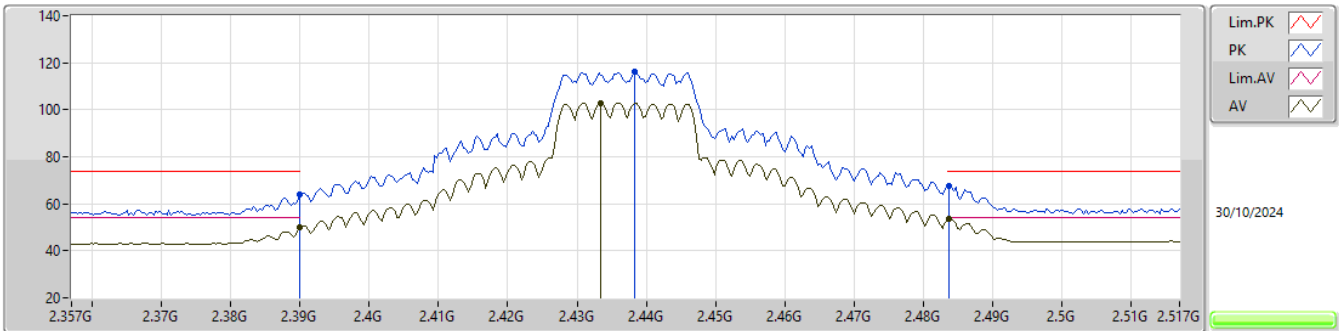
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2457MHz_TX



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

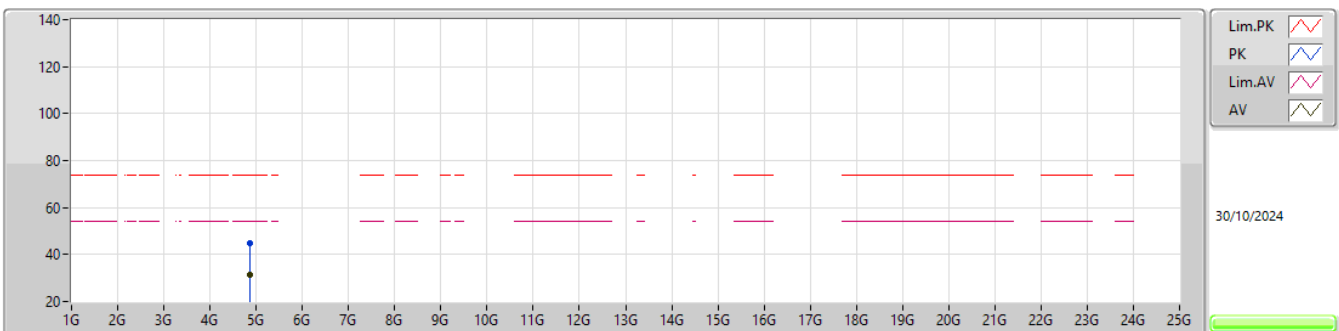
2437MHz_TX



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	2.38996G	49.75	54.00	-4.25	30.55	3	Vertical	352	2.94	19.20	27.40	3.15	-
AV	2.43348G	102.87	Inf	-Inf	30.81	3	Vertical	352	2.94	72.06	27.63	3.18	-
AV	2.48372G	53.47	54.00	-0.53	31.15	3	Vertical	352	2.94	22.32	27.94	3.21	-
PK	2.38996G	63.84	74.00	-10.16	30.55	3	Vertical	352	2.94	33.29	27.40	3.15	-
PK	2.43828G	116.12	Inf	-Inf	30.86	3	Vertical	352	2.94	85.26	27.68	3.18	-
PK	2.48372G	67.52	74.00	-6.48	31.15	3	Vertical	352	2.94	36.37	27.94	3.21	-

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

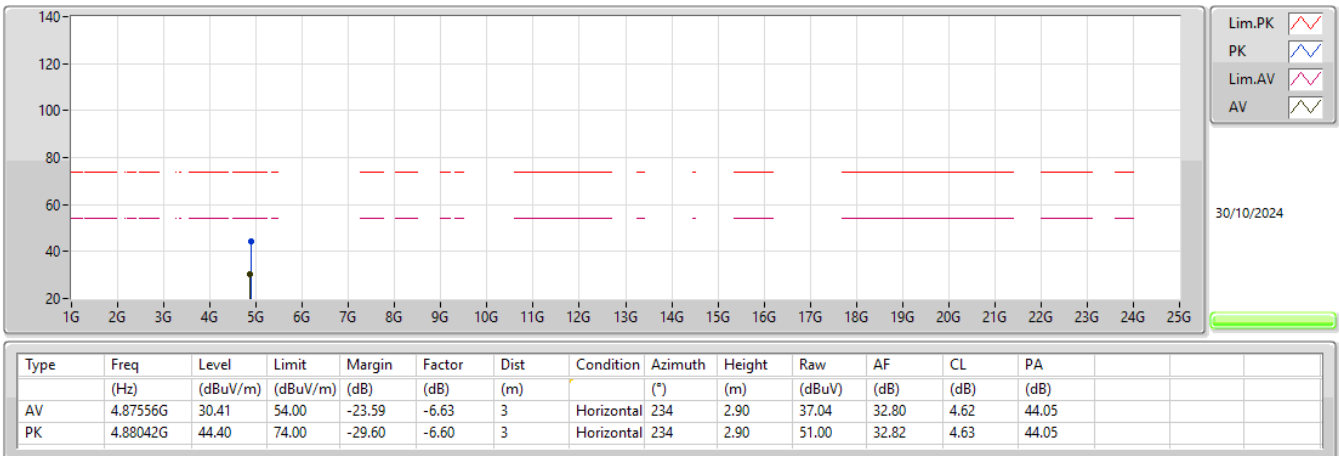
2437MHz_TX



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	4.87316G	31.24	54.00	-22.76	-6.64	3	Vertical	284	2.95	37.88	32.79	4.62	44.05
PK	4.87328G	45.00	74.00	-29.00	-6.64	3	Vertical	284	2.95	51.64	32.79	4.62	44.05

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

2437MHz_TX





Summary

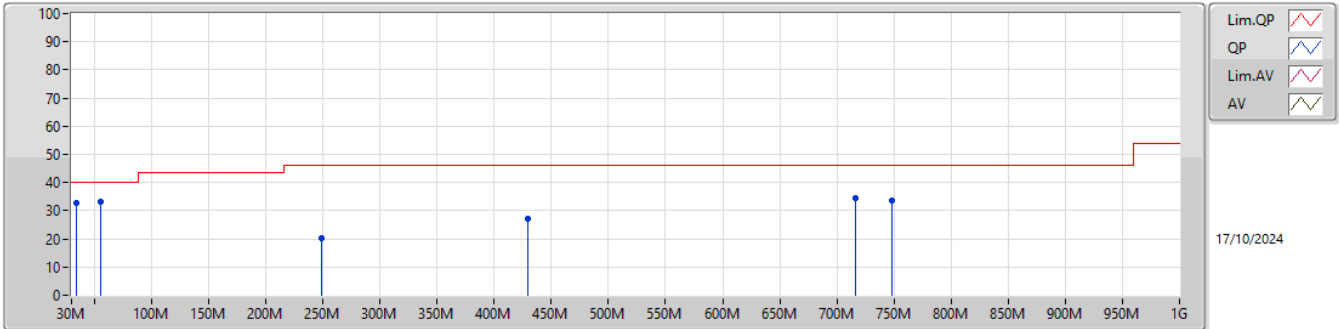
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	Pass	PK	30M	33.57	40.00	-6.43	3	Horizontal	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11be EHT20_Nss2_(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2437MHz_PoE	Pass	PK	33.88M	32.64	40.00	-7.36	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	55.22M	33.15	40.00	-6.85	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	249.22M	20.27	46.00	-25.73	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	429.64M	27.27	46.00	-18.73	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	716.76M	34.62	46.00	-11.38	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	747.8M	33.80	46.00	-12.20	3	Vertical	0	1.00
2437MHz_PoE	Pass	PK	30M	33.57	40.00	-6.43	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	92.08M	22.68	43.50	-20.82	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	206.54M	16.48	43.50	-27.02	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	313.24M	24.11	46.00	-21.89	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	538.28M	25.50	46.00	-20.50	3	Horizontal	360	1.00
2437MHz_PoE	Pass	PK	774.96M	27.50	46.00	-18.50	3	Horizontal	360	1.00

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX

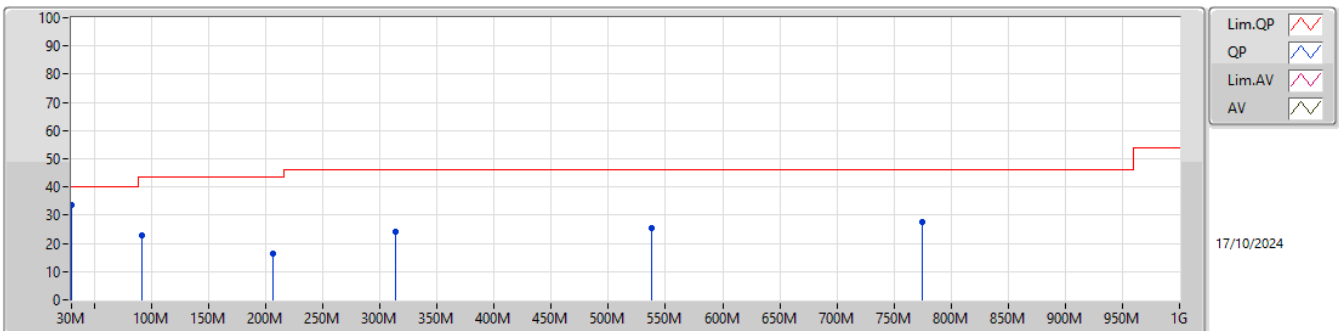
2437MHz_PoE



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)
PK	33.88M	32.64	40.00	-7.36	-5.42	3	Vertical	0	1.00	38.06	21.52	0.44	27.38
PK	55.22M	33.15	40.00	-6.85	-14.94	3	Vertical	0	1.00	48.09	11.84	0.56	27.34
PK	249.22M	20.27	46.00	-25.73	-8.03	3	Vertical	0	1.00	28.30	17.40	1.21	26.64
PK	429.64M	27.27	46.00	-18.73	-4.51	3	Vertical	0	1.00	31.78	21.62	1.57	27.70
PK	716.76M	34.62	46.00	-11.38	-2.15	3	Vertical	0	1.00	36.77	24.15	2.01	28.31
PK	747.8M	33.80	46.00	-12.20	-1.41	3	Vertical	0	1.00	35.21	24.80	2.05	28.26

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX

2437MHz_PoE



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)
PK	30M	33.57	40.00	-6.43	-3.60	3	Horizontal	360	1.00	37.17	23.36	0.42	27.38
PK	92.08M	22.68	43.50	-20.82	-12.07	3	Horizontal	360	1.00	34.75	14.46	0.72	27.25
PK	206.54M	16.48	43.50	-27.02	-11.37	3	Horizontal	360	1.00	27.85	14.33	1.11	26.81
PK	313.24M	24.11	46.00	-21.89	-6.84	3	Horizontal	360	1.00	30.95	18.59	1.34	26.77
PK	538.28M	25.50	46.00	-20.50	-3.30	3	Horizontal	360	1.00	28.80	23.30	1.73	28.33
PK	774.96M	27.50	46.00	-18.50	-1.25	3	Horizontal	360	1.00	28.75	24.94	2.09	28.28

**Summary**

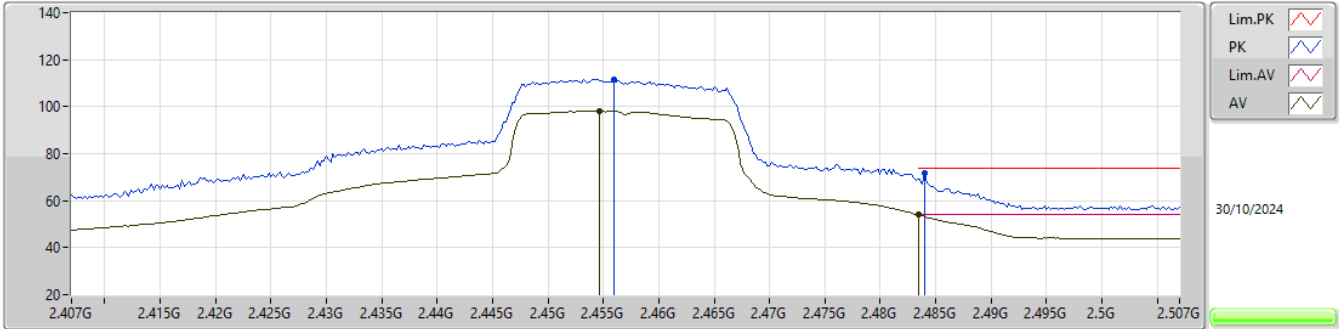
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	Pass	AV	2.4835G	53.88	54.00	-0.12	3	Vertical	342	1.50

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11be EHT20_Nss2(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.22	54.00	-1.78	3	Vertical	259	2.74
2412MHz	Pass	AV	2.419G	98.48	Inf	-Inf	3	Vertical	259	2.74
2412MHz	Pass	PK	2.39G	68.41	74.00	-5.59	3	Vertical	259	2.74
2412MHz	Pass	PK	2.4194G	112.22	Inf	-Inf	3	Vertical	259	2.74
2412MHz	Pass	AV	4.82358G	28.39	54.00	-25.61	3	Vertical	260	1.02
2412MHz	Pass	PK	4.82082G	42.27	74.00	-31.73	3	Vertical	260	1.02
2412MHz	Pass	AV	4.8243G	27.85	54.00	-26.15	3	Horizontal	233	2.74
2412MHz	Pass	PK	4.82448G	41.81	74.00	-32.19	3	Horizontal	233	2.74
2417MHz	Pass	AV	2.39G	52.87	54.00	-1.13	3	Vertical	262	2.77
2417MHz	Pass	AV	2.422G	99.08	Inf	-Inf	3	Vertical	262	2.77
2417MHz	Pass	PK	2.39G	67.36	74.00	-6.64	3	Vertical	262	2.77
2417MHz	Pass	PK	2.422G	113.54	Inf	-Inf	3	Vertical	262	2.77
2437MHz	Pass	AV	2.38996G	48.33	54.00	-5.67	3	Vertical	352	2.95
2437MHz	Pass	AV	2.43316G	100.72	Inf	-Inf	3	Vertical	352	2.95
2437MHz	Pass	AV	2.4835G	52.36	54.00	-1.64	3	Vertical	352	2.95
2437MHz	Pass	PK	2.38996G	61.97	74.00	-12.03	3	Vertical	352	2.95
2437MHz	Pass	PK	2.445G	114.52	Inf	-Inf	3	Vertical	352	2.95
2437MHz	Pass	PK	2.48372G	66.06	74.00	-7.94	3	Vertical	352	2.95
2437MHz	Pass	AV	4.87418G	30.37	54.00	-23.63	3	Vertical	287	2.84
2437MHz	Pass	PK	4.87586G	44.18	74.00	-29.82	3	Vertical	287	2.84
2437MHz	Pass	AV	4.87424G	28.64	54.00	-25.36	3	Horizontal	198	2.64
2437MHz	Pass	PK	4.87952G	42.54	74.00	-31.46	3	Horizontal	198	2.64
2457MHz	Pass	AV	2.4546G	98.16	Inf	-Inf	3	Vertical	342	1.50
2457MHz	Pass	AV	2.4835G	53.88	54.00	-0.12	3	Vertical	342	1.50
2457MHz	Pass	PK	2.456G	111.80	Inf	-Inf	3	Vertical	342	1.50
2457MHz	Pass	PK	2.484G	71.93	74.00	-2.07	3	Vertical	342	1.50
2462MHz	Pass	AV	2.4544G	97.46	Inf	-Inf	3	Vertical	336	1.00
2462MHz	Pass	AV	2.4836G	53.53	54.00	-0.47	3	Vertical	336	1.00
2462MHz	Pass	PK	2.4536G	110.90	Inf	-Inf	3	Vertical	336	1.00
2462MHz	Pass	PK	2.4854G	68.18	74.00	-5.82	3	Vertical	336	1.00
2462MHz	Pass	AV	4.92244G	31.07	54.00	-22.93	3	Vertical	280	2.94
2462MHz	Pass	PK	4.91782G	45.42	74.00	-28.58	3	Vertical	280	2.94
2462MHz	Pass	AV	4.92238G	29.20	54.00	-24.80	3	Horizontal	192	2.62
2462MHz	Pass	PK	4.91446G	43.79	74.00	-30.21	3	Horizontal	192	2.62

2.4-2.4835GHz_802.11be EHT20_Nss2,(MCS0)_2TX

2457MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)				
AV	2.4546G	98.16	Inf	-Inf	30.89	3	Vertical	342	1.50	67.27	27.70	3.19	-				
AV	2.4835G	53.88	54.00	-0.12	31.14	3	Vertical	342	1.50	22.74	27.93	3.21	-				
PK	2.456G	111.80	Inf	-Inf	30.89	3	Vertical	342	1.50	80.91	27.70	3.19	-				
PK	2.484G	71.93	74.00	-2.07	31.15	3	Vertical	342	1.50	40.78	27.94	3.21	-				



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
g20_Nss1,(6Mbps)_1TX	Pass	PK	49.4M	32.61	40.00	-7.39	3	Vertical	360	1.00

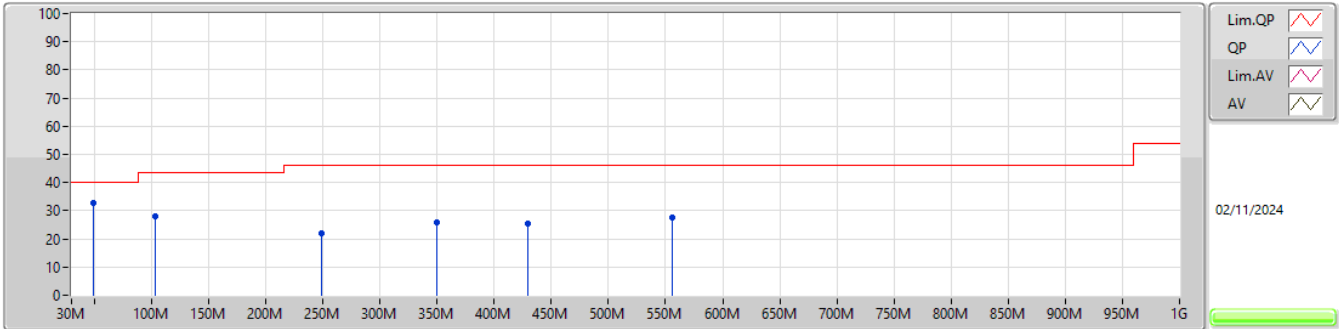


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
g20_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2437MHz_PoE	Pass	PK	49.4M	32.61	40.00	-7.39	3	Vertical	360	1.00
2437MHz_PoE	Pass	PK	103.72M	27.85	43.50	-15.65	3	Vertical	360	1.00
2437MHz_PoE	Pass	PK	249.22M	22.17	46.00	-23.83	3	Vertical	360	1.00
2437MHz_PoE	Pass	PK	350.1M	25.98	46.00	-20.02	3	Vertical	360	1.00
2437MHz_PoE	Pass	PK	429.64M	25.35	46.00	-20.65	3	Vertical	360	1.00
2437MHz_PoE	Pass	PK	555.74M	27.67	46.00	-18.33	3	Vertical	360	1.00
2437MHz_PoE	Pass	PK	49.4M	27.02	40.00	-12.98	3	Horizontal	0	1.00
2437MHz_PoE	Pass	PK	103.72M	28.32	43.50	-15.18	3	Horizontal	0	1.00
2437MHz_PoE	Pass	PK	249.22M	29.22	46.00	-16.78	3	Horizontal	0	1.00
2437MHz_PoE	Pass	PK	344.28M	25.19	46.00	-20.81	3	Horizontal	0	1.00
2437MHz_PoE	Pass	PK	474.26M	25.92	46.00	-20.08	3	Horizontal	0	1.00
2437MHz_PoE	Pass	PK	549.92M	28.00	46.00	-18.00	3	Horizontal	0	1.00

2.4-2.4835GHz_g20_Nss1,(6Mbps)_1TX

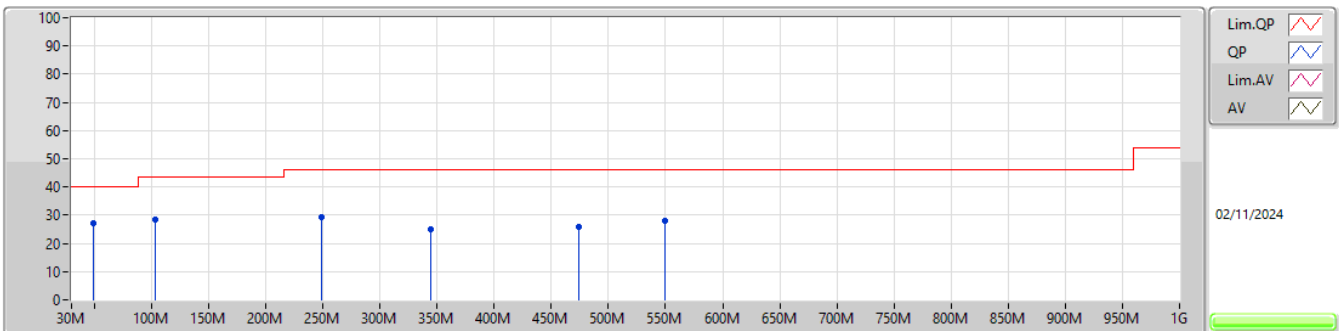
2437MHz_PoE



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)
PK	49.4M	32.61	40.00	-7.39	-11.24	3	Vertical	360	1.00	43.85	13.17	1.51	25.92
PK	103.72M	27.85	43.50	-15.65	-9.57	3	Vertical	360	1.00	37.42	16.03	2.03	27.63
PK	249.22M	22.17	46.00	-23.83	-6.85	3	Vertical	360	1.00	29.02	16.98	3.23	27.06
PK	350.1M	25.98	46.00	-20.02	-4.33	3	Vertical	360	1.00	30.31	19.16	3.86	27.35
PK	429.64M	25.35	46.00	-20.65	-2.30	3	Vertical	360	1.00	27.65	21.20	4.44	27.94
PK	555.74M	27.67	46.00	-18.33	0.34	3	Vertical	360	1.00	27.33	23.45	5.21	28.32

2.4-2.4835GHz_g20_Nss1,(6Mbps)_1TX

2437MHz_PoE



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)
PK	49.4M	27.02	40.00	-12.98	-11.24	3	Horizontal	0	1.00	38.26	13.17	1.51	25.92
PK	103.72M	28.32	43.50	-15.18	-9.57	3	Horizontal	0	1.00	37.89	16.03	2.03	27.63
PK	249.22M	29.22	46.00	-16.78	-6.85	3	Horizontal	0	1.00	36.07	16.98	3.23	27.06
PK	344.28M	25.19	46.00	-20.81	-4.63	3	Horizontal	0	1.00	29.82	18.84	3.84	27.31
PK	474.26M	25.92	46.00	-20.08	-1.47	3	Horizontal	0	1.00	27.39	21.99	4.73	28.19
PK	549.92M	28.00	46.00	-18.00	0.31	3	Horizontal	0	1.00	27.69	23.49	5.13	28.31

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
b20_Nss1,(1Mbps)_1TX	Pass	AV	2.3874G	53.92	54.00	-0.08	3	Horizontal	311	2.38
g20_Nss1,(6Mbps)_1TX	Pass	AV	2.4835G	53.66	54.00	-0.34	3	Horizontal	315	2.08

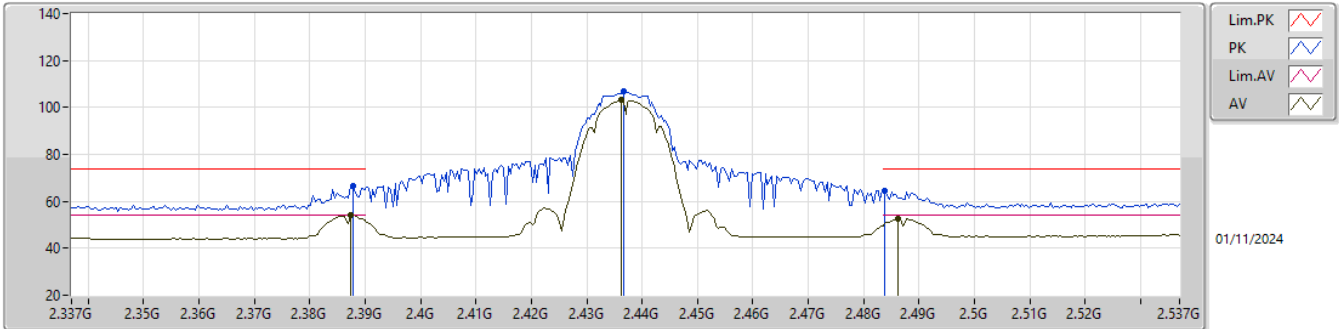
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
b20_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	51.70	54.00	-2.30	3	Horizontal	314	2.65
2412MHz	Pass	AV	2.4112G	102.83	Inf	-Inf	3	Horizontal	314	2.65
2412MHz	Pass	PK	2.3896G	73.29	74.00	-0.71	3	Horizontal	314	2.65
2412MHz	Pass	PK	2.4122G	106.13	Inf	-Inf	3	Horizontal	314	2.65
2412MHz	Pass	AV	4.82388G	29.94	54.00	-24.06	3	Vertical	30	1.22
2412MHz	Pass	PK	4.82416G	42.85	74.00	-31.15	3	Vertical	30	1.22
2412MHz	Pass	AV	4.82404G	35.34	54.00	-18.66	3	Horizontal	322	1.78
2412MHz	Pass	PK	4.824G	43.83	74.00	-30.17	3	Horizontal	322	1.78
2417MHz	Pass	AV	2.3878G	53.25	54.00	-0.75	3	Horizontal	314	2.17
2417MHz	Pass	AV	2.4162G	104.68	Inf	-Inf	3	Horizontal	314	2.17
2417MHz	Pass	PK	2.39G	73.53	74.00	-0.47	3	Horizontal	314	2.17
2417MHz	Pass	PK	2.417G	107.54	Inf	-Inf	3	Horizontal	314	2.17
2437MHz	Pass	AV	2.3882G	47.02	54.00	-6.98	3	Vertical	354	2.18
2437MHz	Pass	AV	2.4362G	96.20	Inf	-Inf	3	Vertical	354	2.18
2437MHz	Pass	AV	2.4862G	45.75	54.00	-8.25	3	Vertical	354	2.18
2437MHz	Pass	PK	2.385G	59.54	74.00	-14.46	3	Vertical	354	2.18
2437MHz	Pass	PK	2.437G	99.51	Inf	-Inf	3	Vertical	354	2.18
2437MHz	Pass	PK	2.4898G	59.05	74.00	-14.95	3	Vertical	354	2.18
2437MHz	Pass	AV	2.3874G	53.92	54.00	-0.08	3	Horizontal	311	2.38
2437MHz	Pass	AV	2.4362G	103.10	Inf	-Inf	3	Horizontal	311	2.38
2437MHz	Pass	AV	2.4862G	52.57	54.00	-1.43	3	Horizontal	311	2.38
2437MHz	Pass	PK	2.3878G	66.55	74.00	-7.45	3	Horizontal	311	2.38
2437MHz	Pass	PK	2.4366G	106.79	Inf	-Inf	3	Horizontal	311	2.38
2437MHz	Pass	PK	2.4838G	64.71	74.00	-9.29	3	Horizontal	311	2.38
2437MHz	Pass	AV	4.874G	36.66	54.00	-17.34	3	Vertical	34	1.33
2437MHz	Pass	AV	7.31176G	34.03	54.00	-19.97	3	Vertical	20	2.89
2437MHz	Pass	PK	4.87424G	45.24	74.00	-28.76	3	Vertical	34	1.33
2437MHz	Pass	PK	7.3118G	47.88	74.00	-26.12	3	Vertical	20	2.89
2437MHz	Pass	AV	4.874G	43.53	54.00	-10.47	3	Horizontal	321	1.90
2437MHz	Pass	AV	7.31008G	36.72	54.00	-17.28	3	Horizontal	305	1.84
2437MHz	Pass	PK	4.87396G	48.49	74.00	-25.51	3	Horizontal	321	1.90
2437MHz	Pass	PK	7.3118G	48.75	74.00	-25.25	3	Horizontal	305	1.84
2462MHz	Pass	AV	2.4628G	103.41	Inf	-Inf	3	Horizontal	311	2.09
2462MHz	Pass	AV	2.4872G	45.30	54.00	-8.70	3	Horizontal	311	2.09
2462MHz	Pass	PK	2.4624G	106.55	Inf	-Inf	3	Horizontal	311	2.09
2462MHz	Pass	PK	2.484G	73.87	74.00	-0.13	3	Horizontal	311	2.09
2462MHz	Pass	AV	4.92396G	39.69	54.00	-14.31	3	Vertical	28	1.32
2462MHz	Pass	AV	7.38532G	32.89	54.00	-21.11	3	Vertical	52	2.84
2462MHz	Pass	PK	4.9238G	45.72	74.00	-28.28	3	Vertical	28	1.32
2462MHz	Pass	PK	7.37848G	46.91	74.00	-27.09	3	Vertical	52	2.84
2462MHz	Pass	AV	4.92396G	49.67	54.00	-4.33	3	Horizontal	314	1.76
2462MHz	Pass	AV	7.3852G	38.39	54.00	-15.61	3	Horizontal	303	2.26
2462MHz	Pass	PK	4.92396G	52.54	74.00	-21.46	3	Horizontal	314	1.76
2462MHz	Pass	PK	7.38612G	49.02	74.00	-24.98	3	Horizontal	303	2.26
g20_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.31	54.00	-0.69	3	Horizontal	312	2.64
2412MHz	Pass	AV	2.4128G	99.32	Inf	-Inf	3	Horizontal	312	2.64
2412MHz	Pass	PK	2.3898G	72.82	74.00	-1.18	3	Horizontal	312	2.64
2412MHz	Pass	PK	2.4164G	110.28	Inf	-Inf	3	Horizontal	312	2.64
2412MHz	Pass	AV	4.8188G	28.44	54.00	-25.56	3	Vertical	34	1.50
2412MHz	Pass	PK	4.81812G	41.98	74.00	-32.02	3	Vertical	34	1.50
2412MHz	Pass	AV	4.82428G	29.68	54.00	-24.32	3	Horizontal	323	1.81
2412MHz	Pass	PK	4.8208G	43.49	74.00	-30.51	3	Horizontal	323	1.81
2417MHz	Pass	AV	2.3894G	53.62	54.00	-0.38	3	Horizontal	310	2.64
2417MHz	Pass	AV	2.4146G	100.82	Inf	-Inf	3	Horizontal	310	2.64
2417MHz	Pass	PK	2.3892G	71.64	74.00	-2.36	3	Horizontal	310	2.64
2417MHz	Pass	PK	2.4154G	111.63	Inf	-Inf	3	Horizontal	310	2.64
2437MHz	Pass	AV	2.3898G	53.37	54.00	-0.63	3	Horizontal	313	1.93
2437MHz	Pass	AV	2.4338G	104.08	Inf	-Inf	3	Horizontal	313	1.93
2437MHz	Pass	AV	2.4835G	49.63	54.00	-4.37	3	Horizontal	313	1.93

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2437MHz	Pass	PK	2.389G	71.03	74.00	-2.97	3	Horizontal	313	1.93
2437MHz	Pass	PK	2.441G	114.92	Inf	-Inf	3	Horizontal	313	1.93
2437MHz	Pass	PK	2.4838G	66.93	74.00	-7.07	3	Horizontal	313	1.93
2437MHz	Pass	AV	7.30986G	37.62	54.00	-16.38	3	Vertical	64	2.90
2437MHz	Pass	PK	7.30794G	51.74	74.00	-22.26	3	Vertical	64	2.90
2437MHz	Pass	AV	7.31166G	46.59	54.00	-7.41	3	Horizontal	305	1.89
2437MHz	Pass	PK	7.31436G	61.61	74.00	-12.39	3	Horizontal	305	1.89
2457MHz	Pass	AV	2.4528G	101.79	Inf	-Inf	3	Horizontal	311	2.11
2457MHz	Pass	AV	2.4835G	53.59	54.00	-0.41	3	Horizontal	311	2.11
2457MHz	Pass	PK	2.4572G	113.31	Inf	-Inf	3	Horizontal	311	2.11
2457MHz	Pass	PK	2.4842G	72.86	74.00	-1.14	3	Horizontal	311	2.11
2462MHz	Pass	AV	2.4638G	99.24	Inf	-Inf	3	Horizontal	315	2.08
2462MHz	Pass	AV	2.4835G	53.66	54.00	-0.34	3	Horizontal	315	2.08
2462MHz	Pass	PK	2.4644G	109.77	Inf	-Inf	3	Horizontal	315	2.08
2462MHz	Pass	PK	2.4842G	70.67	74.00	-3.33	3	Horizontal	315	2.08
2462MHz	Pass	AV	7.39308G	33.48	54.00	-20.52	3	Vertical	229	1.50
2462MHz	Pass	PK	7.39602G	46.54	74.00	-27.46	3	Vertical	229	1.50
2462MHz	Pass	AV	7.38624G	36.94	54.00	-17.06	3	Horizontal	305	1.90
2462MHz	Pass	PK	7.38384G	52.78	74.00	-21.22	3	Horizontal	305	1.90

2.4-2.4835GHz_b20_Nss1,(1Mbps)_1TX

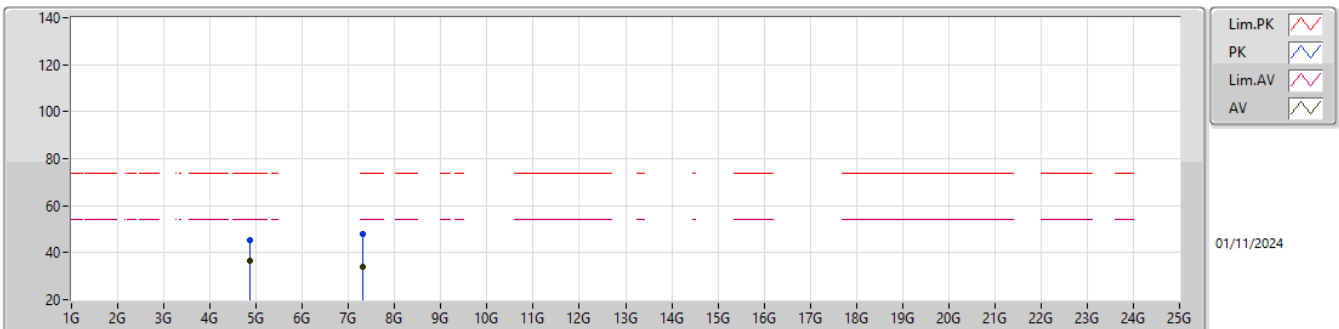
2437MHz_TX



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	2.3874G	53.92	54.00	-0.08	31.80	3	Horizontal	311	2.38	22.12	27.27	4.53	-
AV	2.4362G	103.10	Inf	-Inf	32.18	3	Horizontal	311	2.38	70.92	27.60	4.58	-
AV	2.4862G	52.57	54.00	-1.43	32.50	3	Horizontal	311	2.38	20.07	27.86	4.64	-
PK	2.3878G	66.55	74.00	-7.45	31.81	3	Horizontal	311	2.38	34.74	27.28	4.53	-
PK	2.4366G	106.79	Inf	-Inf	32.18	3	Horizontal	311	2.38	74.61	27.60	4.58	-
PK	2.4838G	64.71	74.00	-9.29	32.48	3	Horizontal	311	2.38	32.23	27.84	4.64	-

2.4-2.4835GHz_b20_Nss1,(1Mbps)_1TX

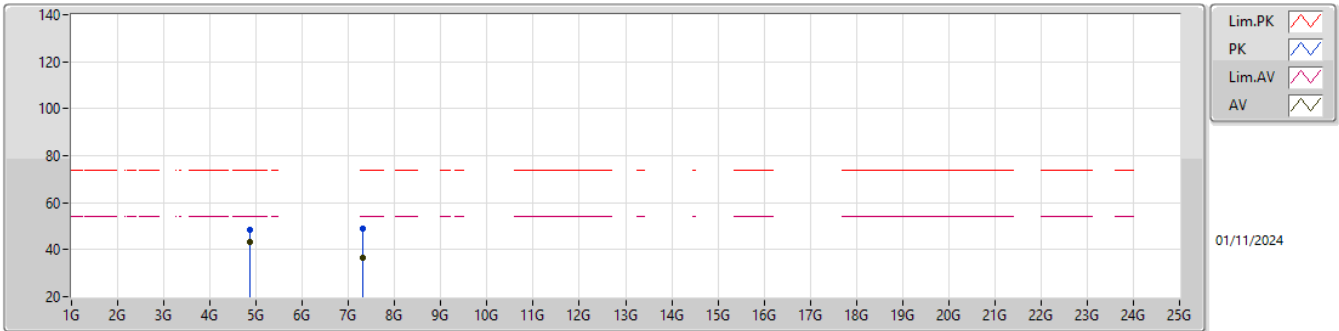
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Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	36.66	54.00	-17.34	4.13	3	Vertical	34	1.33	32.53	32.60	6.59	35.06
AV	7.31176G	34.03	54.00	-19.97	9.82	3	Vertical	20	2.89	24.21	36.75	8.29	35.22
PK	4.87424G	45.24	74.00	-28.76	4.13	3	Vertical	34	1.33	41.11	32.60	6.59	35.06
PK	7.3118G	47.88	74.00	-26.12	9.83	3	Vertical	20	2.89	38.05	36.75	8.30	35.22

2.4-2.4835GHz_b20_Nss1,(1Mbps)_1TX

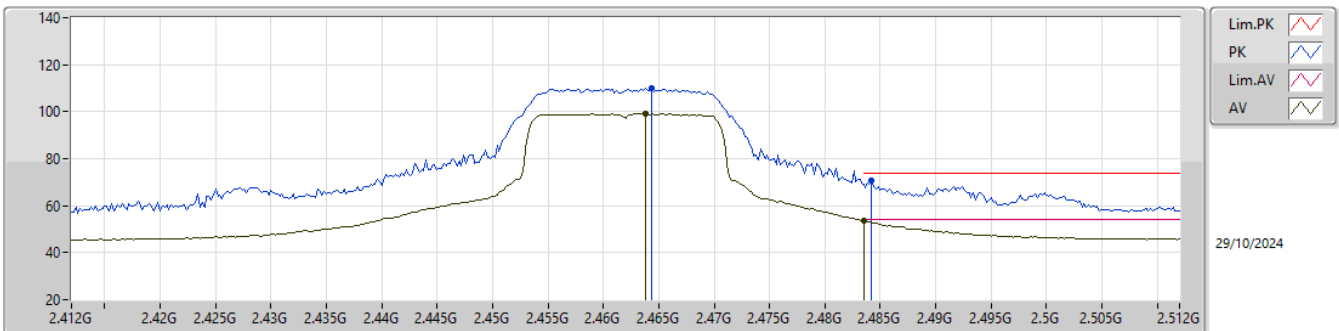
2437MHz_TX



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	4.874G	43.53	54.00	-10.47	4.13	3	Horizontal	321	1.90	39.40	32.60	6.59	35.06
AV	7.31008G	36.72	54.00	-17.28	9.83	3	Horizontal	305	1.84	26.89	36.76	8.29	35.22
PK	4.87396G	48.49	74.00	-25.51	4.13	3	Horizontal	321	1.90	44.36	32.60	6.59	35.06
PK	7.3118G	48.75	74.00	-25.25	9.83	3	Horizontal	305	1.84	38.92	36.75	8.30	35.22

2.4-2.4835GHz_g20_Nss1,(6Mbps)_1TX

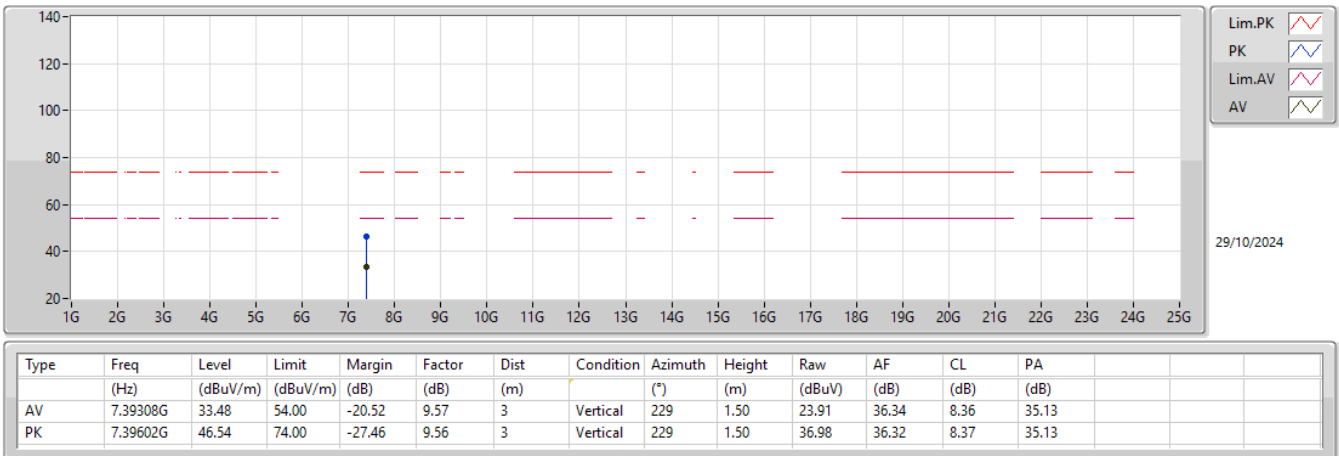
2462MHz_TX



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	2.4638G	99.24	Inf	-Inf	32.31	3	Horizontal	315	2.08	66.93	27.70	4.61	-
AV	2.4835G	53.66	54.00	-0.34	32.48	3	Horizontal	315	2.08	21.18	27.84	4.64	-
PK	2.4644G	109.77	Inf	-Inf	32.31	3	Horizontal	315	2.08	77.46	27.70	4.61	-
PK	2.4842G	70.67	74.00	-3.33	32.48	3	Horizontal	315	2.08	38.19	27.84	4.64	-

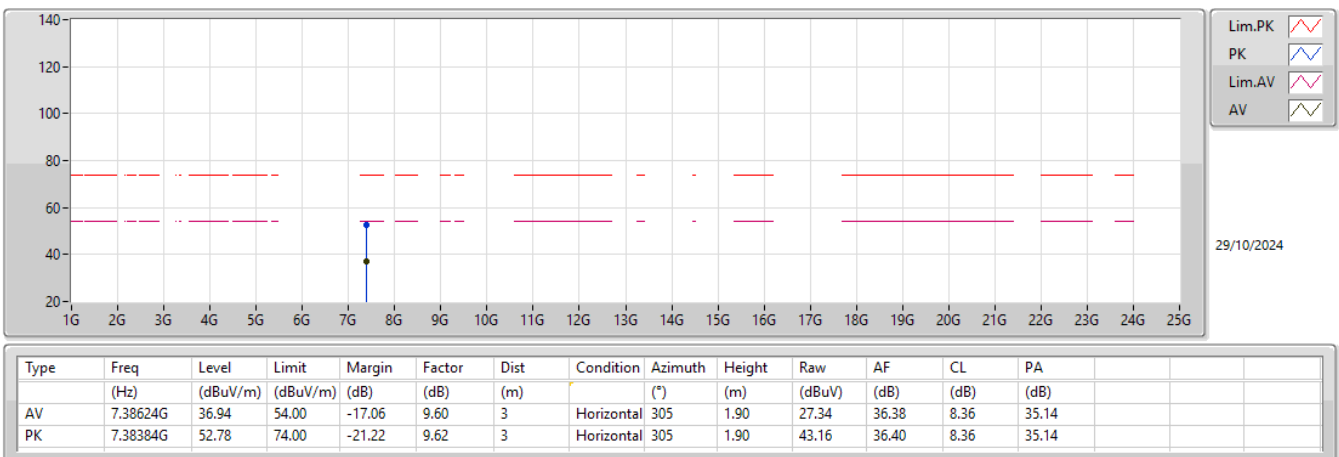
2.4-2.4835GHz_g20_Nss1,(6Mbps)_1TX

2462MHz_TX



2.4-2.4835GHz_g20_Nss1,(6Mbps)_1TX

2462MHz_TX



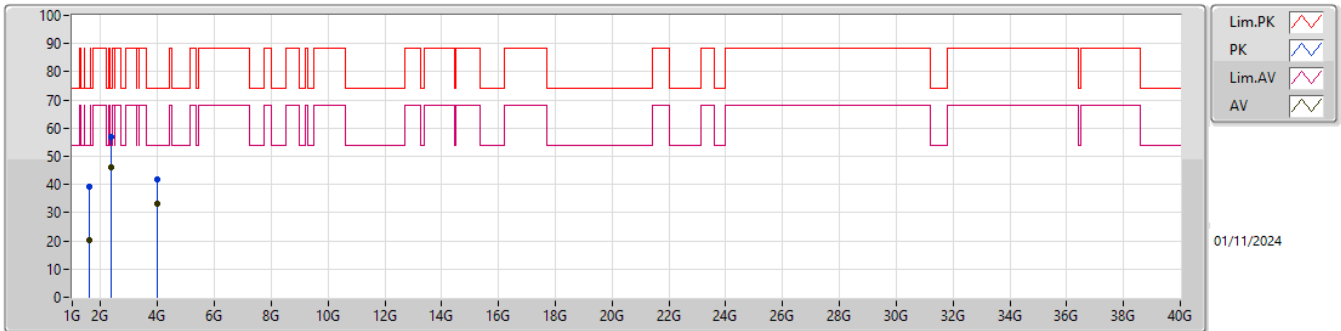
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	2.36493G	46.22	54.00	-7.78	Vertical
Mode 2	Pass	AV	2.36578G	49.20	54.00	-4.80	Vertical
Mode 3	Pass	AV	2.36473G	48.12	54.00	-5.88	Vertical
Mode 4	Pass	AV	2.3659G	48.24	54.00	-5.76	Vertical

Result

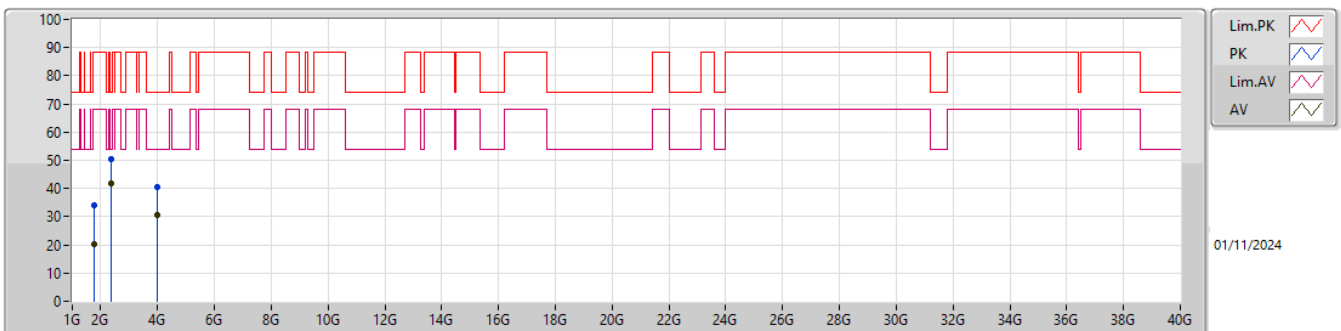
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	1.59392G	20.47	54.00	-33.53	3	Vertical	14	2.47	-
Mode 1	Pass	AV	2.36493G	46.22	54.00	-7.78	3	Vertical	128	1.55	-
Mode 1	Pass	AV	4.00327G	33.25	54.00	-20.75	3	Vertical	329	1.56	-
Mode 1	Pass	PK	1.59351G	39.02	74.00	-34.98	3	Vertical	14	2.47	-
Mode 1	Pass	PK	2.36371G	56.69	74.00	-17.31	3	Vertical	128	1.55	-
Mode 1	Pass	PK	4.00327G	41.76	74.00	-32.24	3	Vertical	329	1.56	-
Mode 1	Pass	AV	1.79004G	20.33	68.20	-47.87	3	Horizontal	84	1.26	-
Mode 1	Pass	AV	2.36568G	41.75	54.00	-12.25	3	Horizontal	123	1.39	-
Mode 1	Pass	AV	4.00324G	30.61	54.00	-23.39	3	Horizontal	244	1.61	-
Mode 1	Pass	PK	1.78804G	34.18	88.20	-54.02	3	Horizontal	84	1.26	-
Mode 1	Pass	PK	2.36422G	50.53	74.00	-23.47	3	Horizontal	123	1.39	-
Mode 1	Pass	PK	4.00337G	40.31	74.00	-33.69	3	Horizontal	244	1.61	-
Mode 2	Pass	AV	1.71096G	25.65	68.20	-42.55	3	Vertical	192	1.62	-
Mode 2	Pass	AV	2.36578G	49.20	54.00	-4.80	3	Vertical	316	2.28	-
Mode 2	Pass	AV	4.00336G	33.66	54.00	-20.34	3	Vertical	309	1.89	-
Mode 2	Pass	PK	1.71051G	36.66	88.20	-51.54	3	Vertical	235	1.56	-
Mode 2	Pass	PK	2.35901G	57.35	74.00	-16.65	3	Vertical	316	2.28	-
Mode 2	Pass	PK	4.00309G	42.09	74.00	-31.91	3	Vertical	198	1.63	-
Mode 2	Pass	AV	1.71873G	20.43	68.20	-47.77	3	Horizontal	170	1.89	-
Mode 2	Pass	AV	2.36716G	42.48	54.00	-11.52	3	Horizontal	7	1.64	-
Mode 2	Pass	AV	5.08996G	29.87	54.00	-24.13	3	Horizontal	300	1.57	-
Mode 2	Pass	PK	1.70871G	33.61	74.00	-40.39	3	Horizontal	170	1.89	-
Mode 2	Pass	PK	2.36986G	52.15	74.00	-21.85	3	Horizontal	7	1.64	-
Mode 2	Pass	PK	5.09497G	52.63	74.00	-21.37	3	Horizontal	300	1.57	-
Mode 3	Pass	AV	1.78833G	21.36	68.20	-46.84	3	Vertical	19	2.32	-
Mode 3	Pass	AV	2.36473G	48.12	54.00	-5.88	3	Vertical	270	2.22	-
Mode 3	Pass	AV	4.00337G	33.75	54.00	-20.25	3	Vertical	306	1.14	-
Mode 3	Pass	PK	1.78323G	40.57	88.20	-47.63	3	Vertical	19	2.32	-
Mode 3	Pass	PK	2.36459G	55.67	74.00	-18.33	3	Vertical	270	2.22	-
Mode 3	Pass	PK	4.00309G	41.27	74.00	-32.73	3	Vertical	306	1.14	-
Mode 3	Pass	AV	1.7879G	21.04	68.20	-47.16	3	Horizontal	350	1.66	-
Mode 3	Pass	AV	2.36498G	44.05	54.00	-9.95	3	Horizontal	211	2.29	-
Mode 3	Pass	AV	3.23599G	24.41	68.20	-43.79	3	Horizontal	35	2.25	-
Mode 3	Pass	PK	1.78617G	39.88	88.20	-48.32	3	Horizontal	350	1.66	-
Mode 3	Pass	PK	2.36475G	50.95	74.00	-23.05	3	Horizontal	211	2.29	-
Mode 3	Pass	PK	3.2444G	37.92	88.20	-50.28	3	Horizontal	35	2.25	-
Mode 4	Pass	AV	1.70568G	20.65	54.00	-33.35	3	Vertical	192	2.29	-
Mode 4	Pass	AV	2.3659G	48.24	54.00	-5.76	3	Vertical	44	2.35	-
Mode 4	Pass	AV	4.00329G	38.33	54.00	-15.67	3	Vertical	245	2.39	-
Mode 4	Pass	PK	1.70592G	33.45	74.00	-40.55	3	Vertical	192	2.29	-
Mode 4	Pass	PK	2.35862G	58.82	74.00	-15.18	3	Vertical	44	2.35	-
Mode 4	Pass	PK	4.00335G	44.60	74.00	-29.40	3	Vertical	245	2.39	-
Mode 4	Pass	AV	2.36493G	42.17	54.00	-11.83	3	Horizontal	132	1.99	-
Mode 4	Pass	AV	3.10757G	25.77	68.20	-42.43	3	Horizontal	97	2.44	-
Mode 4	Pass	AV	4.00331G	30.52	54.00	-23.48	3	Horizontal	52	2.01	-
Mode 4	Pass	PK	2.36098G	52.48	74.00	-21.52	3	Horizontal	132	1.99	-
Mode 4	Pass	PK	3.10828G	39.21	88.20	-48.99	3	Horizontal	97	2.44	-
Mode 4	Pass	PK	4.00365G	40.31	74.00	-33.69	3	Horizontal	52	2.01	-

Radiated Emissions above 1GHz_Mode 1



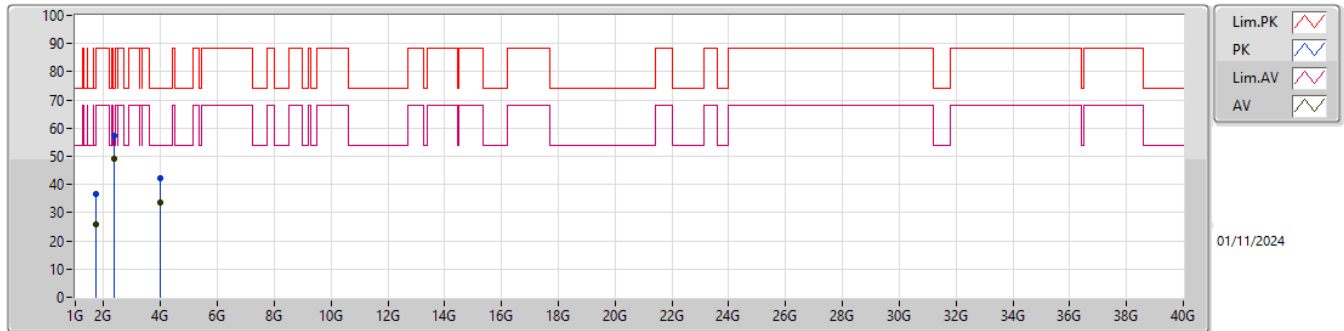
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.59392G	20.47	54.00	-33.53	-9.33	3	Vertical	14	2.47	29.80	25.46	2.21	37.00
AV	2.36493G	46.22	54.00	-7.78	-7.60	3	Vertical	128	1.55	53.82	27.40	2.79	37.79
AV	4.00327G	33.25	54.00	-20.75	-3.08	3	Vertical	329	1.56	36.33	31.01	4.03	38.12
PK	1.59351G	39.02	74.00	-34.98	-9.33	3	Vertical	14	2.47	48.35	25.46	2.21	37.00
PK	2.36371G	56.69	74.00	-17.31	-7.60	3	Vertical	128	1.55	64.29	27.40	2.79	37.79
PK	4.00327G	41.76	74.00	-32.24	-3.08	3	Vertical	329	1.56	44.84	31.01	4.03	38.12

Radiated Emissions above 1GHz_Mode 1



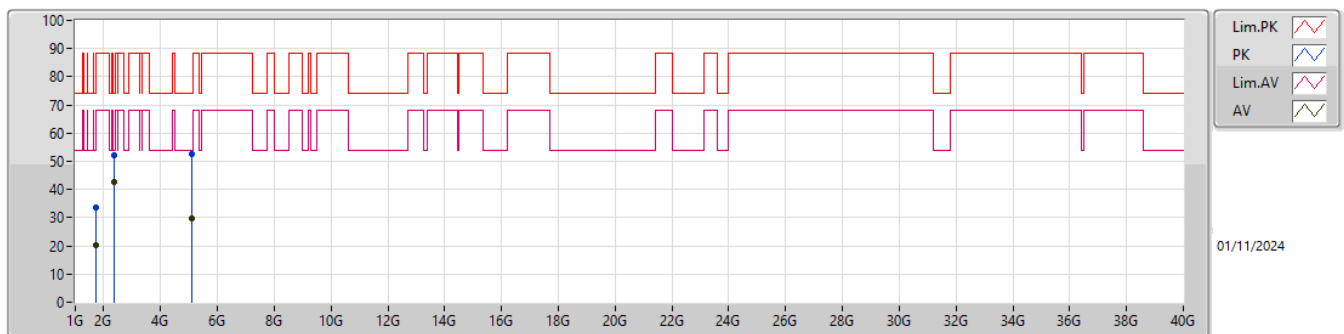
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.79004G	20.33	68.20	-47.87	-9.97	3	Horizontal	84	1.26	30.30	25.10	2.25	37.32
AV	2.36568G	41.75	54.00	-12.25	-7.60	3	Horizontal	123	1.39	49.35	27.40	2.79	37.79
AV	4.00324G	30.61	54.00	-23.39	-3.08	3	Horizontal	244	1.61	33.69	31.01	4.03	38.12
PK	1.78804G	34.18	88.20	-54.02	-9.99	3	Horizontal	84	1.26	44.17	25.08	2.25	37.32
PK	2.36422G	50.53	74.00	-23.47	-7.60	3	Horizontal	123	1.39	58.13	27.40	2.79	37.79
PK	4.00337G	40.31	74.00	-33.69	-3.08	3	Horizontal	244	1.61	43.39	31.01	4.03	38.12

Radiated Emissions above 1GHz_Mode 2



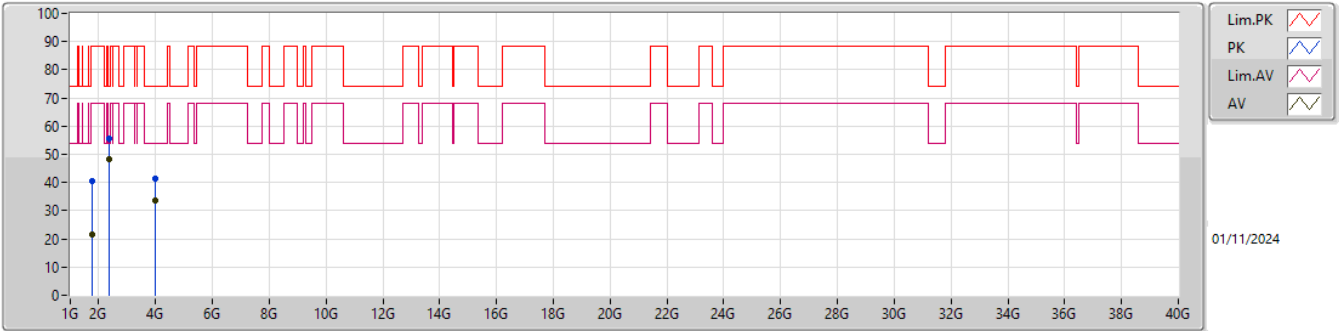
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.71096G	25.65	68.20	-42.55	-9.85	3	Vertical	192	1.62	35.50	25.10	2.24	37.19
AV	2.36578G	49.20	54.00	-4.80	-7.60	3	Vertical	316	2.28	56.80	27.40	2.79	37.79
AV	4.00336G	33.66	54.00	-20.34	-3.08	3	Vertical	309	1.89	36.74	31.01	4.03	38.12
PK	1.71051G	36.66	88.20	-51.54	-9.85	3	Vertical	235	1.56	46.51	25.10	2.24	37.19
PK	2.35901G	57.35	74.00	-16.65	-7.61	3	Vertical	316	2.28	64.96	27.39	2.79	37.79
PK	4.00309G	42.09	74.00	-31.91	-3.08	3	Vertical	198	1.63	45.17	31.01	4.03	38.12

Radiated Emissions above 1GHz_Mode 2



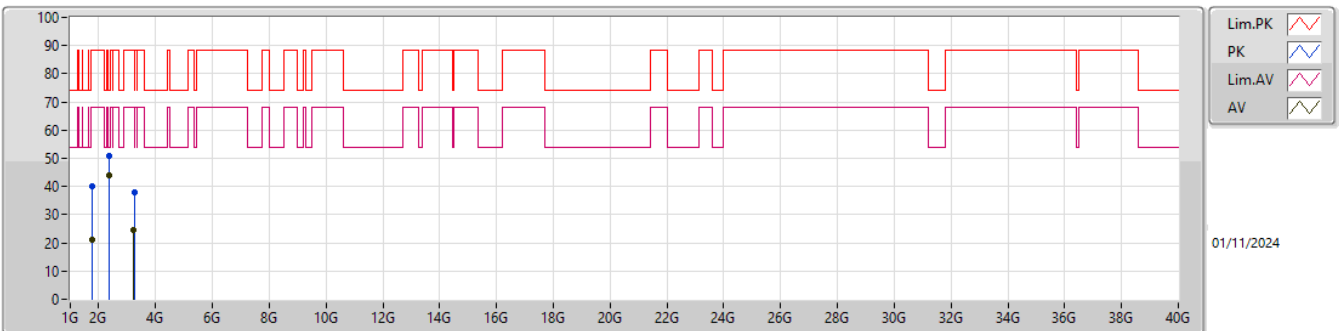
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.71873G	20.43	68.20	-47.77	-9.86	3	Horizontal	170	1.89	30.29	25.10	2.24	37.20
AV	2.36716G	42.48	54.00	-11.52	-7.60	3	Horizontal	7	1.64	50.08	27.40	2.79	37.79
AV	5.08996G	29.87	54.00	-24.13	-0.62	3	Horizontal	300	1.57	30.49	33.22	4.34	38.18
PK	1.70871G	33.61	74.00	-40.39	-9.85	3	Horizontal	170	1.89	43.46	25.10	2.24	37.19
PK	2.36986G	52.15	74.00	-21.85	-7.60	3	Horizontal	7	1.64	59.75	27.40	2.79	37.79
PK	5.09497G	52.63	74.00	-21.37	-0.63	3	Horizontal	300	1.57	53.26	33.21	4.34	38.18

Radiated Emissions above 1GHz_Mode 3



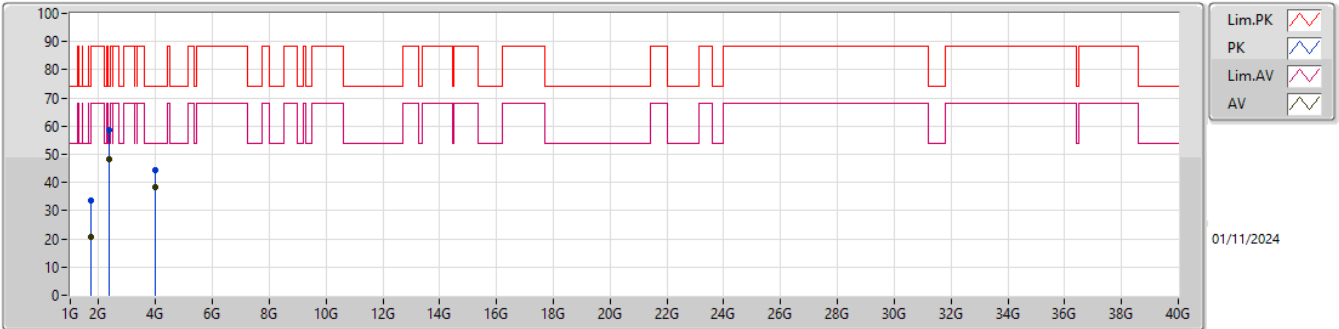
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)				
AV	1.78833G	21.36	68.20	-46.84	-9.99	3	Vertical	19	2.32	31.35	25.08	2.25	37.32				
AV	2.36473G	48.12	54.00	-5.88	-7.60	3	Vertical	270	2.22	55.72	27.40	2.79	37.79				
AV	4.00337G	33.75	54.00	-20.25	-3.08	3	Vertical	306	1.14	36.83	31.01	4.03	38.12				
PK	1.78323G	40.57	88.20	-47.63	-10.03	3	Vertical	19	2.32	50.60	25.03	2.25	37.31				
PK	2.36459G	55.67	74.00	-18.33	-7.60	3	Vertical	270	2.22	63.27	27.40	2.79	37.79				
PK	4.00309G	41.27	74.00	-32.73	-3.08	3	Vertical	306	1.14	44.35	31.01	4.03	38.12				

Radiated Emissions above 1GHz_Mode 3



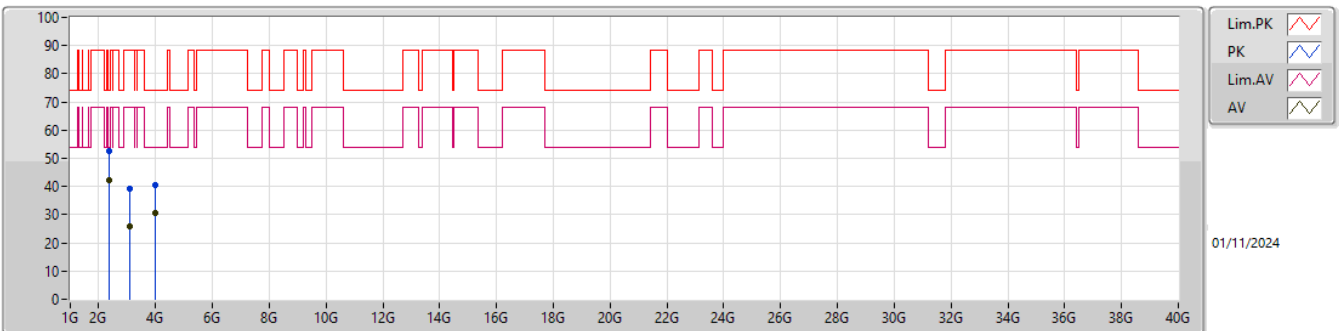
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)				
AV	1.7879G	21.04	68.20	-47.16	-9.99	3	Horizontal	350	1.66	31.03	25.08	2.25	37.32				
AV	2.36498G	44.05	54.00	-9.95	-7.60	3	Horizontal	211	2.29	51.65	27.40	2.79	37.79				
AV	3.23599G	24.41	68.20	-43.79	-4.73	3	Horizontal	35	2.25	29.14	29.90	3.32	37.95				
PK	1.78617G	39.88	88.20	-48.32	-10.00	3	Horizontal	350	1.66	49.88	25.06	2.25	37.31				
PK	2.36475G	50.95	74.00	-23.05	-7.60	3	Horizontal	211	2.29	58.55	27.40	2.79	37.79				
PK	3.2444G	37.92	88.20	-50.28	-4.73	3	Horizontal	35	2.25	42.65	29.90	3.32	37.95				

Radiated Emissions above 1GHz_Mode 4



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)				
AV	1.70568G	20.65	54.00	-33.35	-9.84	3	Vertical	192	2.29	30.49	25.10	2.24	37.18				
AV	2.3659G	48.24	54.00	-5.76	-7.60	3	Vertical	44	2.35	55.84	27.40	2.79	37.79				
AV	4.00329G	38.33	54.00	-15.67	-3.08	3	Vertical	245	2.39	41.41	31.01	4.03	38.12				
PK	1.70592G	33.45	74.00	-40.55	-9.84	3	Vertical	192	2.29	43.29	25.10	2.24	37.18				
PK	2.35862G	58.82	74.00	-15.18	-7.61	3	Vertical	44	2.35	66.43	27.39	2.79	37.79				
PK	4.00335G	44.60	74.00	-29.40	-3.08	3	Vertical	245	2.39	47.68	31.01	4.03	38.12				

Radiated Emissions above 1GHz_Mode 4



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	2.36493G	42.17	54.00	-11.83	-7.60	3	Horizontal	132	1.99	49.77	27.40	2.79	37.79				
AV	3.10757G	25.77	68.20	-42.43	-4.80	3	Horizontal	97	2.44	30.57	29.92	3.23	37.95				
AV	4.00331G	30.52	54.00	-23.48	-3.08	3	Horizontal	52	2.01	33.60	31.01	4.03	38.12				
PK	2.36098G	52.48	74.00	-21.52	-7.60	3	Horizontal	132	1.99	60.08	27.40	2.79	37.79				
PK	3.10828G	39.21	88.20	-48.99	-4.80	3	Horizontal	97	2.44	44.01	29.92	3.23	37.95				
PK	4.00365G	40.31	74.00	-33.69	-3.08	3	Horizontal	52	2.01	43.39	31.01	4.03	38.12				