

FCC Radio Test Report

FCC ID : QXO-AP4020FX
Equipment : Access Point
Brand Name : Extreme Networks
Model Name : AP4020FX
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 Jan. 20, 2025, and testing was started from Mar. 04, 2025 and completed on Jun. 19, 2025. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	11
1.3 Testing Location Information	11
1.4 Measurement Uncertainty	11
2 TEST CONFIGURATION OF EUT.....	12
2.1 Test Channel Mode	12
2.2 The Worst Case Measurement Configuration.....	15
2.3 Support Equipment.....	16
2.4 Test Setup Diagram	17
3 TRANSMITTER TEST RESULT	21
3.1 AC Power-line Conducted Emissions	21
3.2 DTS Bandwidth.....	23
3.3 Maximum Conducted Output Power	24
3.4 Power Spectral Density	26
3.5 Emissions in Non-restricted Frequency Bands	27
3.6 Emissions in Restricted Frequency Bands.....	28
4 TEST EQUIPMENT AND CALIBRATION DATA.....	32
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS	
APPENDIX B. TEST RESULTS OF DTS BANDWIDTH	
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	
APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY	
APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS	
APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS	
APPENDIX G. TEST RESULTS OF RADIATED EMISSION CO-LOCATION	
APPENDIX H. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	

[illegible]

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:

None

Reviewed by: Barry Hsiao

Report Producer: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Mode	Ch. Frequency (MHz)	Channel Number
2400-2483.5	LE	2402-2480	0-39 [40]

Band	Mode	BWch	Nant
2.4-2.4835GHz	BT-LE(1Mbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	2.0	1TX
2.4-2.4835GHz	BT-LE(125kbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(500kbps)	1.0	1TX

Note:

- ♦ Bluetooth LE uses a GFSK (125kbps/500kbps/1Mbps/2Mbps) modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	AWAN	AW158SM002	Dipole	Reverse SMA	2.4G+5G	Radio 1_2.4G
						Radio 2_5G
2	AWAN	AW158SM002	Dipole	Reverse SMA	2.4G+5G	Radio 1_2.4G
						Radio 2_5G
3	AWAN	AW158SM002	Dipole	Reverse SMA	5G	Radio 3_5G
4	AWAN	AW158SM002	Dipole	Reverse SMA	5G+BT	Radio 3_5G
						BLE_chain 0_E
5	AWAN	AW158SM002	Dipole	Reverse SMA	6G	Radio 3_6G
6	AWAN	AW158SM002	Dipole	Reverse SMA	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_I
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
12	Extreme	WX6PB6508R	Dual-Polarized MIMO Panel	Reverse SMA	2.4G+5G+6G+BT	Radio 1_2.4G
						Radio 2_5G
						Radio 3_5G
						Radio 3_6G
						BLE_chain 0_E
13	Signal Plus	61723018SG	Panel	Reverse SMA	2.4G+5G+6G+BT	Radio 1_2.4G
						Radio 2_5G
						Radio 3_5G
						Radio 3_6G
						BLE_chain 0_E



Ant.	Port	Gain (dBi)													
		2.4G	5G				6G				BT0-E	BT0-I	BT1-H	BT1-V	GPS
			UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8					
1	1	2.28	5.59	5.59	5.61	5.53	-	-	-	-	-	-	-	-	-
2	2	2.28	5.59	5.59	5.61	5.53	-	-	-	-	-	-	-	-	-
3	1	-	5.59	5.59	-	-	-	-	-	-	-	-	-	-	-
4	2	-	5.59	5.59	-	-	-	-	-	-	2.28	-	-	-	-
5	1	-	-	-	-	-	5.56	5.24	5.32	5.21	-	-	-	-	-
6	2	-	-	-	-	-	5.56	5.24	5.32	5.21	-	-	-	-	-
7	1	4.5	5	5	5	5	5	5	5	5	-	-	-	-	-
8	1	-	-	-	-	-	-	-	-	-	-	4.9	-	-	-
9	1	-	-	-	-	-	-	-	-	-	-	-	4.1	-	-
10	2	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-
11	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8
12-1	1	8	8	8	8	8	-	-	-	-	-	-	-	-	-
12-2	2	8	8	8	8	8	-	-	-	-	-	-	-	-	-
12-3	1	-	8	8	-	-	-	-	-	-	-	-	-	-	-
12-4	2	-	8	8	-	-	-	-	-	-	8	-	-	-	-
12-5	1	-	-	-	-	-	8	8	8	8	-	-	-	-	-
12-6	2	-	-	-	-	-	8	8	8	8	-	-	-	-	-
13-1	1	12.52	12.19	12.18	12.42	12.36	-	-	-	-	-	-	-	-	-
13-2	2	12.52	12.19	12.18	12.42	12.36	-	-	-	-	-	-	-	-	-
13-3	1	-	12.19	12.18	-	-	-	-	-	-	-	-	-	-	-
13-4	2	-	12.19	12.18	-	-	-	-	-	-	12.52	-	-	-	-
13-5	1	-	-	-	-	-	12.46	11.8	12.45	12.41	-	-	-	-	-
13-6	2	-	-	-	-	-	12.46	11.8	12.45	12.41	-	-	-	-	-

Note 1: The EUT has thirteen antennas.

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.

Ant. 12-1 (port 1) could transmit/receive.

Ant. 13-1 (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.

Ant. 12-1 (port 1) and Ant. 12-2 (port 2) could transmit/receive simultaneously.

Ant. 13-1 (port 1) and Ant. 13-2 (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.

Ant. 12-1 (port 1) could transmit/receive.

Ant. 13-1 (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.

Ant. 12-1 (port 1) and Ant. 12-2 (port 2) could transmit/receive simultaneously.

Ant. 13-1 (port 1) and Ant. 13-2 (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.

Ant. 12-3 (port 1) could transmit/receive.

Ant. 13-3 (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.

Ant. 12-3 (port 1) and Ant. 12-4 (port 2) could transmit/receive simultaneously.

Ant. 13-3 (port 1) and Ant. 13-4 (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. 4 (port 2) could transmit/receive.

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

Ant. 12-4 (port 2) could transmit/receive.

Ant. 13-4 (port 2) 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. 9 (port 1) and it was recorded in this test report.

1.1.3 EUT Information

Operational Condition	
EUT Power Type	From AC Adapter / PoE
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

chain 0_Dipole Antenna

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-LE(1Mbps)	0.849	0.71	2.124m	500
BT-LE(125kbps)	0.97	0.13	17.045m	100
BT-LE(500kbps)	0.909	0.41	4.547m	300
BT-LE(2Mbps)	0.57	2.44	1.069m	1k

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

chain 0_Dual-Polarized MIMO Panel Antenna

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-LE(1Mbps)	0.849	0.71	2.124m	500
BT-LE(125kbps)	0.97	0.13	17.045m	100
BT-LE(500kbps)	0.909	0.41	4.547m	300
BT-LE(2Mbps)	0.57	2.44	1.069m	1k

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

chain 0_Panel Antenna

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-LE(1Mbps)	0.849	0.71	2.124m	500
BT-LE(2Mbps)	0.57	2.44	1.069m	1k
BT-LE(125kbps)	0.973	0.12	17.045m	100
BT-LE(500kbps)	0.91	0.41	4.548m	300

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

chain 0_PIFA Antenna

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-LE(1Mbps)	0.849	0.71	2.123m	500
BT-LE(125kbps)	0.97	0.13	17.045m	100
BT-LE(500kbps)	0.909	0.41	4.547m	300
BT-LE(2Mbps)	0.57	2.44	1.068m	1k

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

**chain 1_PIFA Antenna**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-LE(1Mbps)	0.849	0.71	2.123m	500
BT-LE(125kbps)	0.97	0.13	17.045m	100
BT-LE(500kbps)	0.909	0.41	4.547m	300
BT-LE(2Mbps)	0.57	2.44	1.069m	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 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Lego Lin	22.5~23.2°C / 52~64%	17/Jun/2025
RF Conducted	TH07-HY	Yuna Lin	21.6~22.7°C / 54~65%	04/Mar/2025~06/May/2025
Radiated (Co-location)	03CH02-HY	Vasari Huang	20.9~23.1°C / 57~65%	17/Jun/2025~19/Jun/2025
☒ Wen 33rd. St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated (Other Antenna)	03CH09-HY	Edward Wang	19.2~21.1°C / 55~63%	05/Mar/2025~20/Mar/2025
Radiated (Panel Antenna)	03CH09-HY	Lego Lin	22.5~25.9°C / 52~57%	14/Mar/2025~08/May/2025

1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	PutTY Release 0.62
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chain 0_Dipole Antenna

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(2Mbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(125kbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(500kbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C

chain 0_Dual-Polarized MIMO Panel Antenna

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(2Mbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(125kbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(500kbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C

**chain 0 Panel Antenna**

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(2Mbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(125kbps)	-
2402MHz	09
2440MHz	08
2480MHz	09
BT-LE(500kbps)	-
2402MHz	09
2440MHz	08
2480MHz	09

chain 0 PIFA Antenna

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(2Mbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(125kbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(500kbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C

**chain 1_PIFA Antenna**

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(2Mbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(125kbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C
BT-LE(500kbps)	-
2402MHz	0C
2440MHz	0C
2480MHz	0C

2.2 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	chain 0_Dipole Antenna		
2	chain 0_Dual-Polarized MIMO Panel Antenna		
3	chain 0_Panel Antenna		
4	chain 0_PIFA Antenna		
5	chain 1_PIFA Antenna		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			
Dipole Antenna		V	
Dual-Polarized MIMO Panel Antenna			V
Panel Antenna			V
PIFA Antenna	V		

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	R1:2.4G+R2:5G Full+R1:Scan 2.4G+R1:Scan 5G+BT(chain 0)
2	R1:2.4G+R2:5G High(Band3/4)+R3:5G Low(Band1/2)+R1:Scan 2.4G+R1:Scan 5G+BT(chain 0)
3	R1:2.4G+R2:5G Full+R1:Scan 2.4G+R1:Scan 5G+BT(chain 1)
4	R1:2.4G+R2:5G High(Band3/4)+R3:5G Low(Band1/2)+R1:Scan 2.4G+R1:Scan 5G+BT(chain 1)
5	R1:2.4G+R2:5G Full+R1:Scan 2.4G+R1:Scan 5G+BT-E(chain 0)
6	R1:2.4G+R2:5G High(Band3/4)+R3:5G Low(Band1/2)+R1:Scan 2.4G+R1:Scan 5G+BT-E(chain 0)
Refer to Sporton Test Report No.: FA462705-03 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

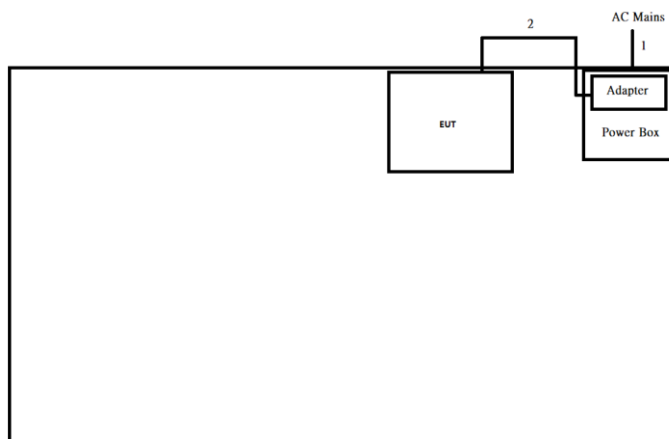
2.3 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	Powertron	PA1045-120HIB300	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	PoE	PHIHONG	POE60U-1BT-X	-	Provided by Customer

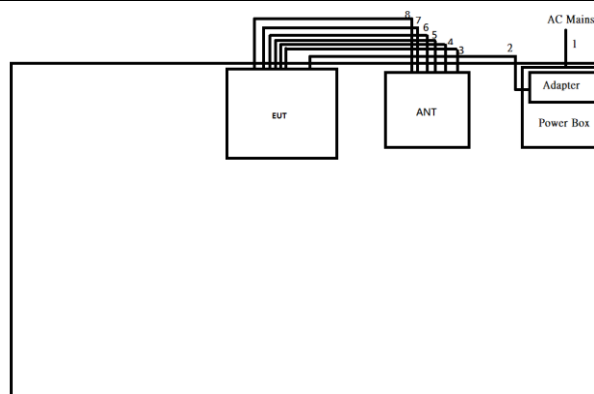
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test (Dipole Antenna)

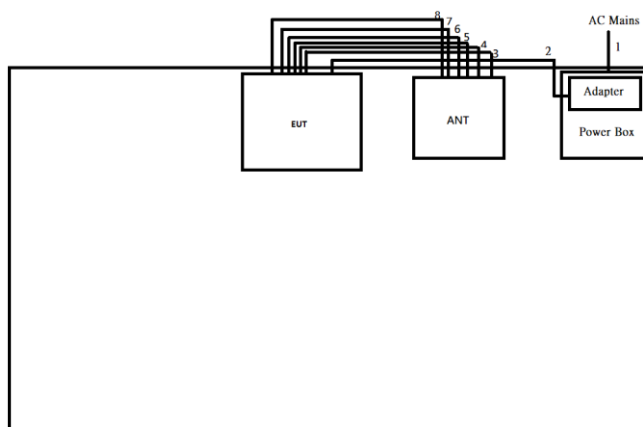


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-

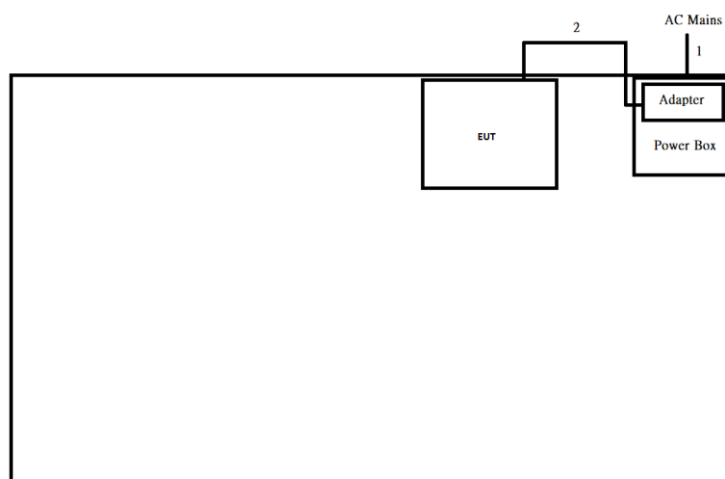
Test Setup Diagram – AC Line Conducted Emission Test (Dual-Polarized MIMO Panel Antenna)



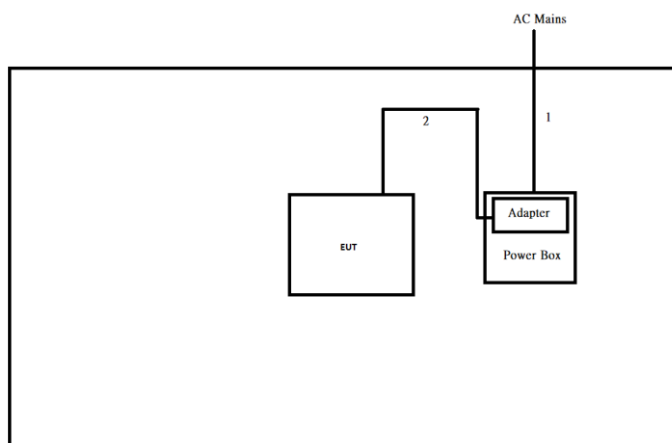
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8m	-
2	DC Power Cable	No	1.5m	-
3	RF Cable	No	1.0m	-
4	RF Cable	No	1.0m	-
5	RF Cable	No	1.0m	-
6	RF Cable	No	1.0m	-
7	RF Cable	No	1.0m	-
8	RF Cable	No	1.0m	-

Test Setup Diagram – AC Line Conducted Emission Test (Panel Antenna)


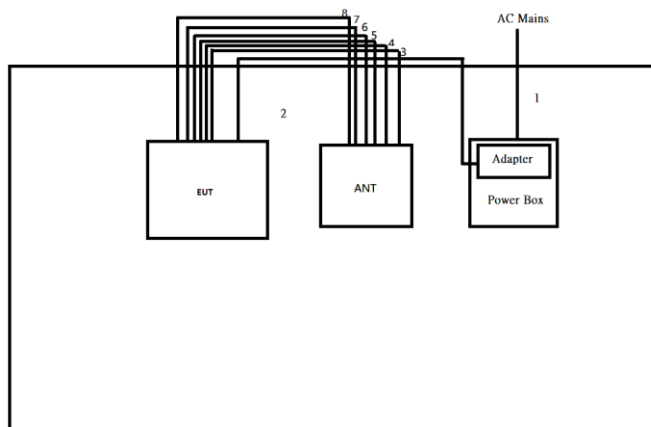
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	RF Cable	No	1.0	-
4	RF Cable	No	1.0	-
5	RF Cable	No	1.0	-
6	RF Cable	No	1.0	-
7	RF Cable	No	1.0	-
8	RF Cable	No	1.0	-

Test Setup Diagram – AC Line Conducted Emission Test (PIFA Antenna)


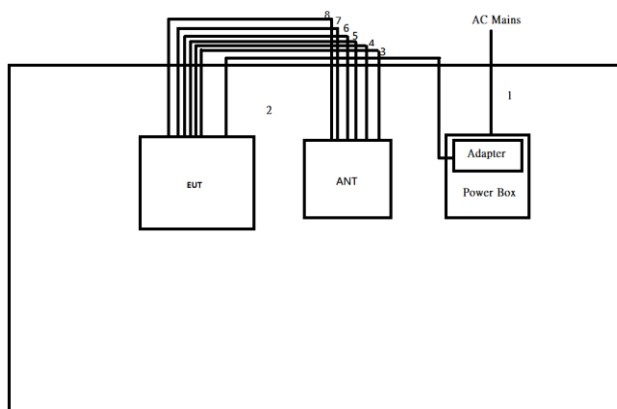
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-

Test Setup Diagram – Radiated Test (Dipole Antenna)


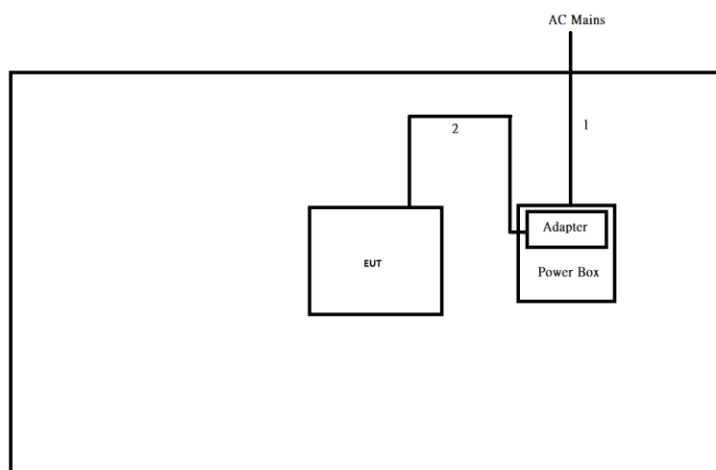
Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-

Test Setup Diagram – Radiated Test (Dual-Polarized MIMO Panel Antenna)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	RF Cable	No	1.0	-
4	RF Cable	No	1.0	-
5	RF Cable	No	1.0	-
6	RF Cable	No	1.0	-
7	RF Cable	No	1.0	-
8	RF Cable	No	1.0	-

Test Setup Diagram – Radiated Test (Panel Antenna)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.5	-
3	RF Cable	No	1.0	-
4	RF Cable	No	1.0	-
5	RF Cable	No	1.0	-
6	RF Cable	No	1.0	-
7	RF Cable	No	1.0	-
8	RF Cable	No	1.0	-

Test Setup Diagram – Radiated Test (PIFA Antenna)


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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

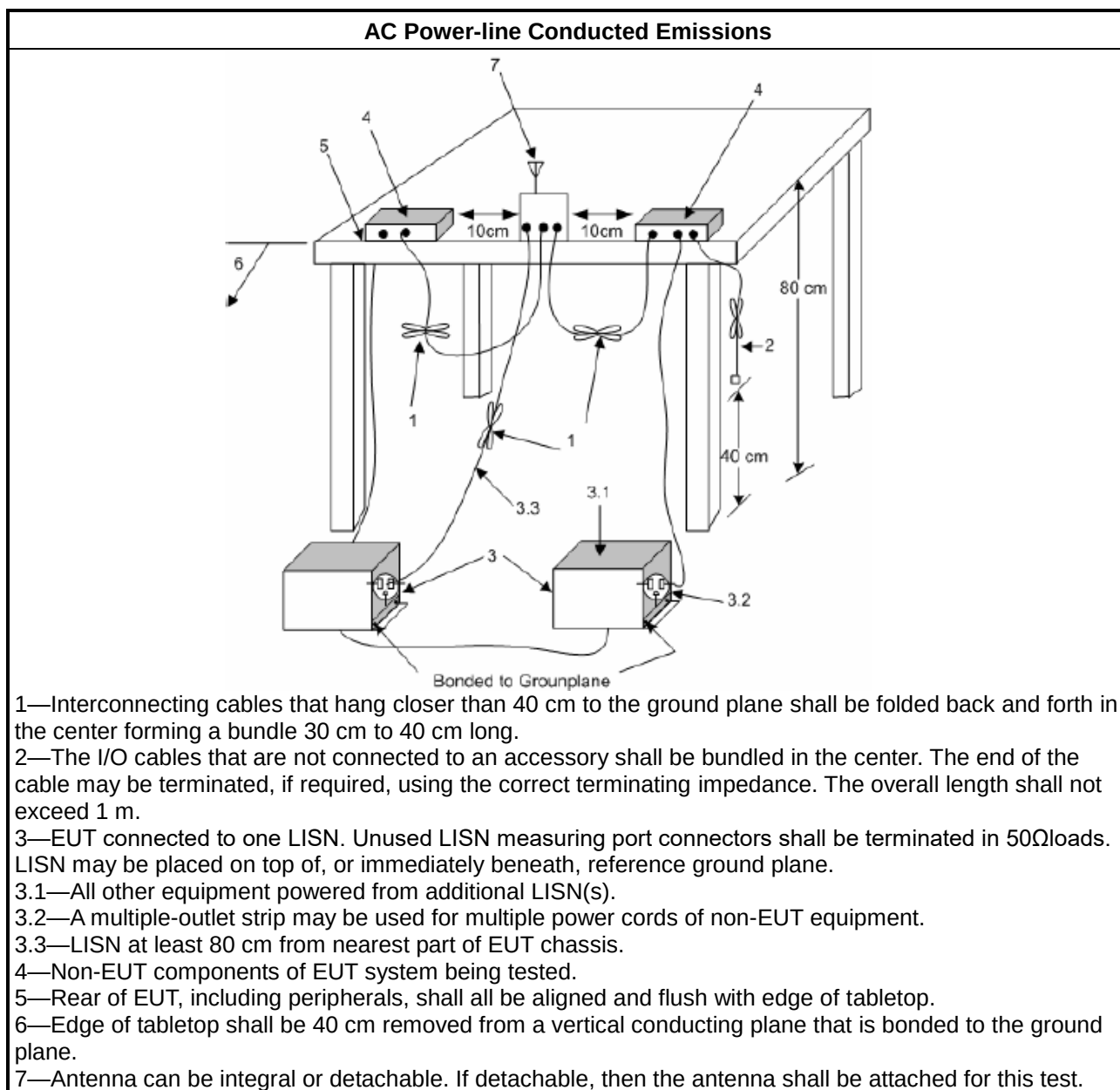
Test Method
Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

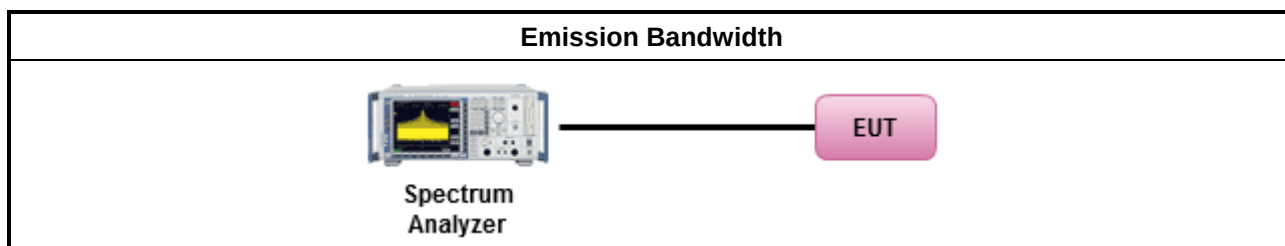
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

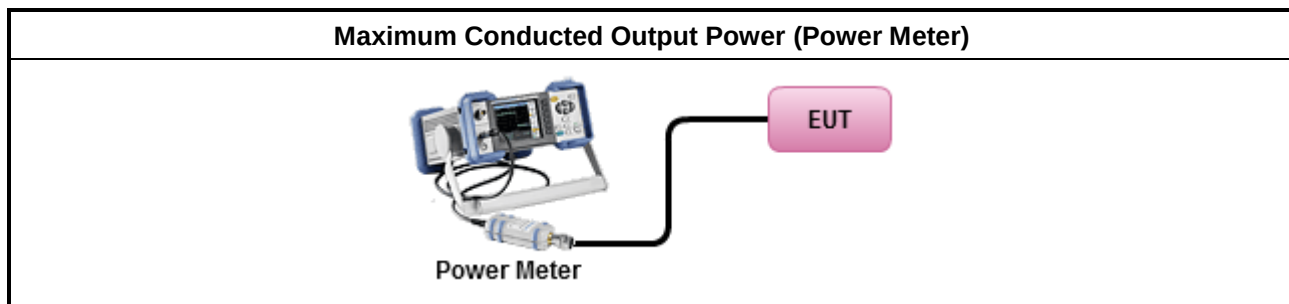
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

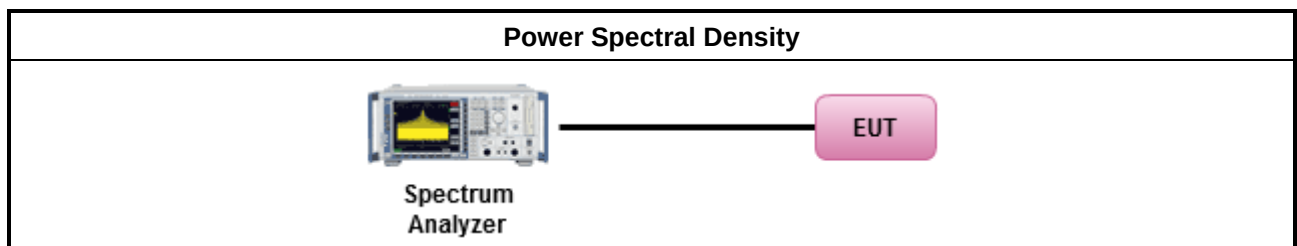
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

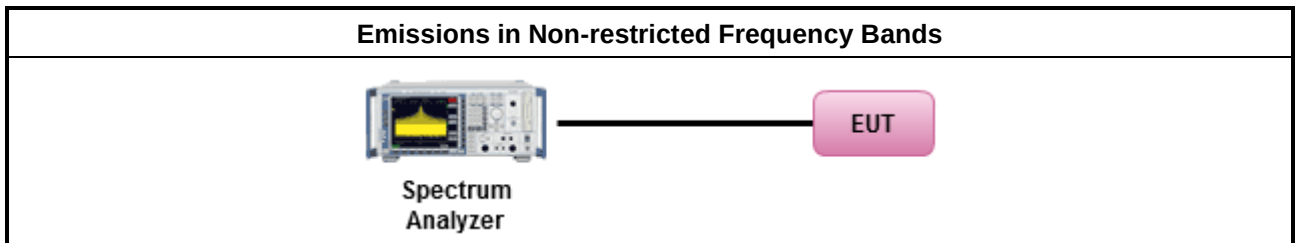
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

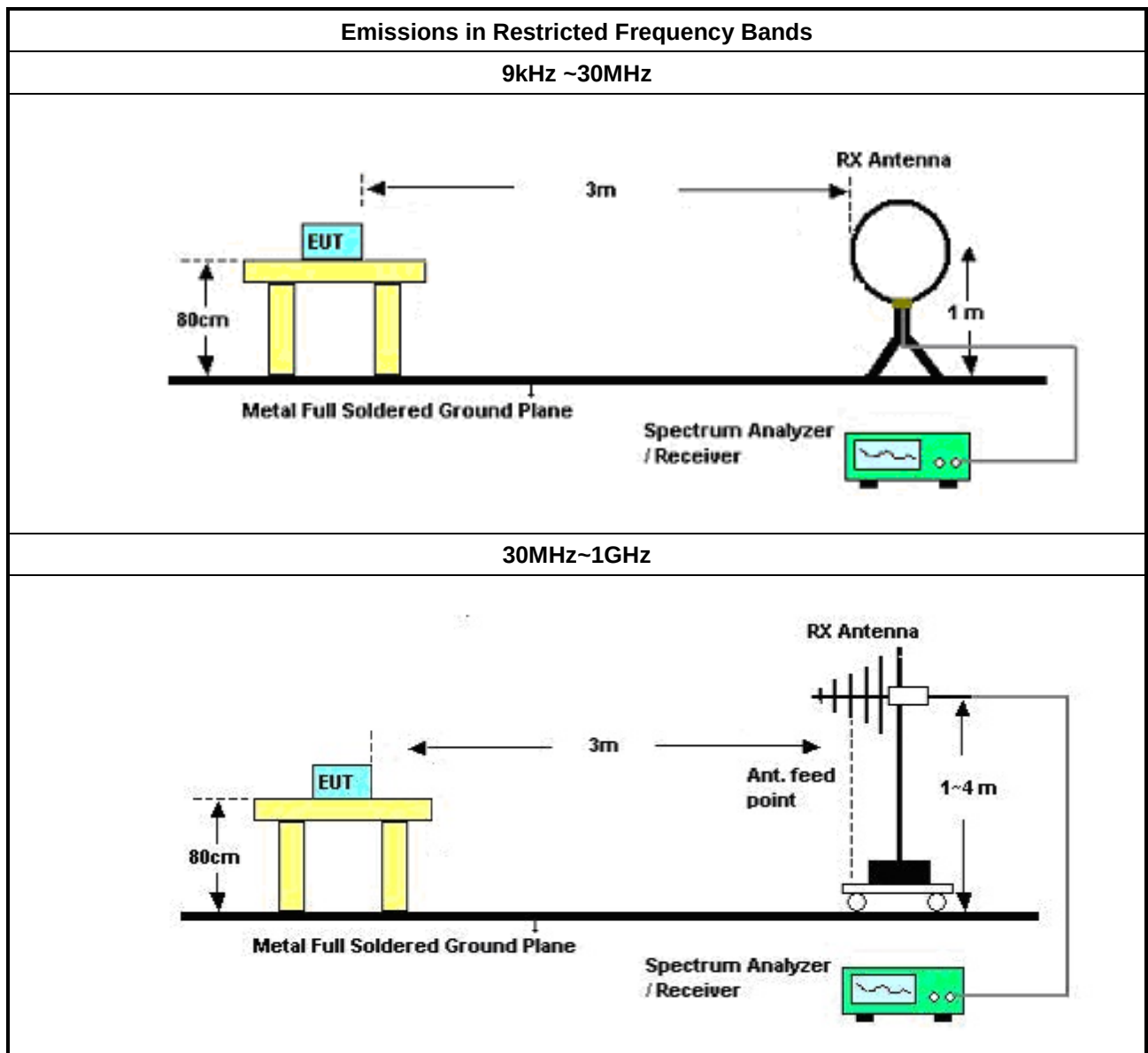
Test Method	
▪	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted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

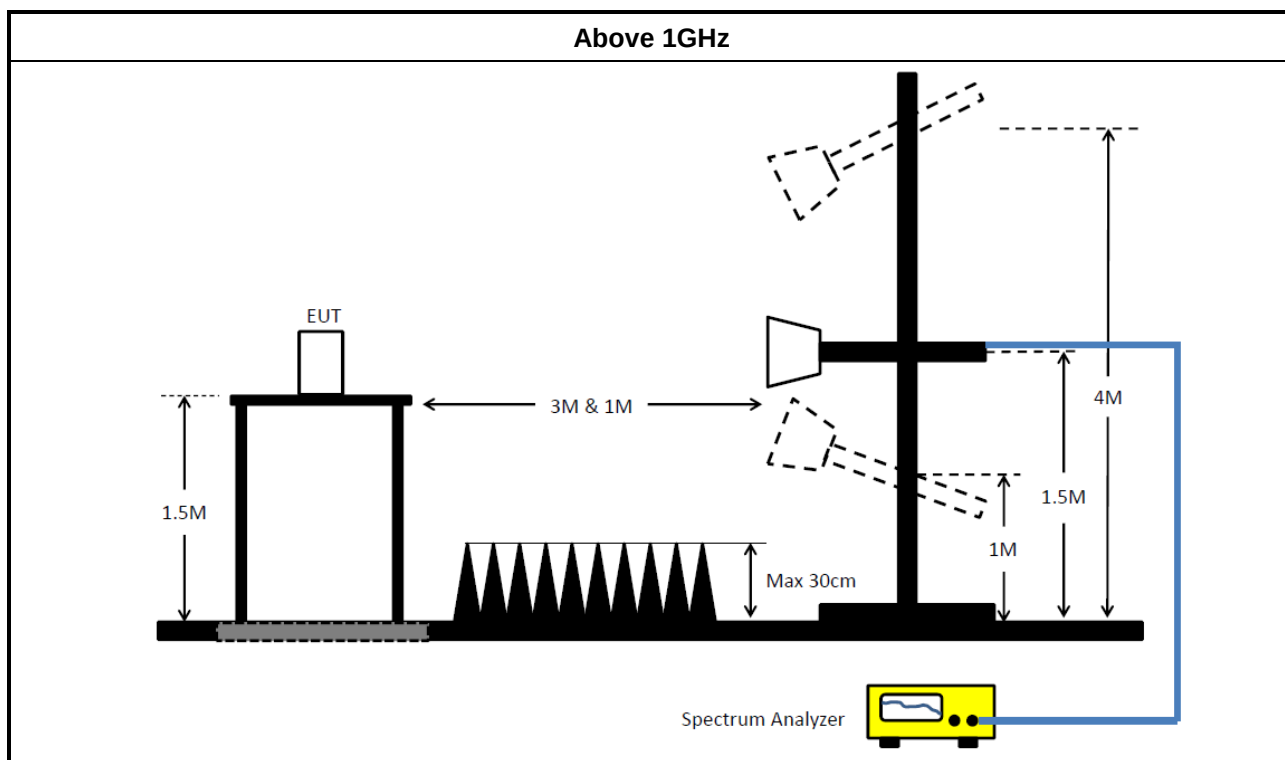
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	21/May/2025	20/May/2026
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	100003	9kHz ~ 30MHz	18/Apr/2025	17/Apr/2026
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	26/Feb/2025	25/Feb/2026
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	17/Oct/2024	16/Oct/2025
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	9kHz~40GHz	23/Jan/2025	22/Jan/2026
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	18/Dec/2024	17/Dec/2025
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	18/Dec/2024	17/Dec/2025
SENSE-15247_FS	Sporton	V5.11.23	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH02-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Site V.S.W.R	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3M	14/Jul/2024	13/Jul/2025
Signal Analyzer	ROHDE & SCHWARZ	FSV3044	101750	10Hz~44GHz	10/Apr/2025	09/Apr/2026
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2024	22/Sep/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	13/Feb/2025	12/Feb/2026
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	26/Apr/2025	25/Apr/2026
SENSE-EMI	Sporton	V5.11.9	N/A	N/A	26/Apr/2025	25/Apr/2026

**Instrument for Radiated Test (03CH09-HY) (Other Antenna)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	08/Mar/2024	07/Mar/2025
Site V.S.W.R	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	07/Mar/2024	06/Mar/2025
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	07/Mar/2025	06/Mar/2026
Site V.S.W.R	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	06/Mar/2025	05/Mar/2026
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	03/May/2024	02/May/2025
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	04/Oct/2024	03/Oct/2025
Loop Antenna	TESEQ	HLA 6121	65417	9kHz~30MHz	17/Oct/2024	16/Oct/2025
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	26/Aug/2024	25/Aug/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	20/Dec/2024	19/Dec/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
RF Cable-R03m	Jye Bao	RG142	03CH09-cable-01	9kHz~1GHz	19/Feb/2025	18/Feb/2026
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	07/Oct/2024	06/Oct/2025
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	08/Apr/2024	07/Apr/2025
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	19/Jul/2024	18/Jul/2025
Amplifier	EM	EM18G40GA	060874	18GHz~40GHz	15/Apr/2024	14/Apr/2025
SENSE-15247_FS	Sporton	V5.11.23	NA	NA	NA	NA

**Instrument for Radiated Test (03CH09-HY) (Panel Antenna)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	07/Mar/2025	06/Mar/2026
Site V.S.W.R	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	06/Mar/2025	05/Mar/2026
EMI Test Receiver	R&S	ESR	102318	9kHz~3.6GHz	06/Dec/2024	05/Dec/2025
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	01/Nov/2024	31/Oct/2025
Loop Antenna	TESEQ	HLA 6121	65417	9kHz~30MHz	17/Oct/2024	16/Oct/2025
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MTJ6 102-05	35418 & 3	30MHz~1GHz	26/Aug/2024	25/Aug/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	20/Dec/2024	19/Dec/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
RF Cable-R03m	Jye Bao	RG142	03CH09-cable -01	9kHz~1GHz	19/Feb/2025	18/Feb/2026
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable -02	1GHz~40GHz	07/Oct/2024	06/Oct/2025
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	09/Apr/2025	08/Apr/2026
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	19/Jul/2024	18/Jul/2025
Amplifier	EMEC	EM18G40GA	060887	18GHz~40GHz	07/Oct/2024	06/Oct/2025
SENSE-15247_FS	Sporton	V5.11.23	NA	NA	NA	NA



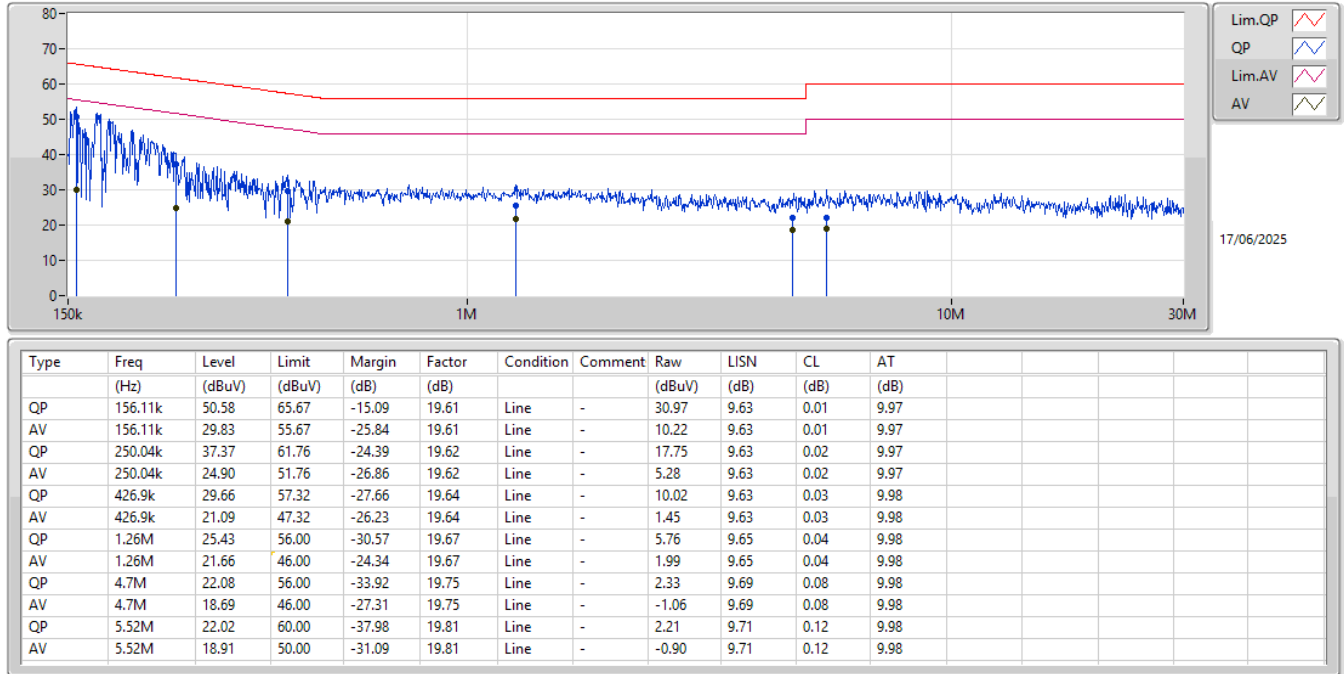
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	156.11k	50.58	65.67	-15.09	Line

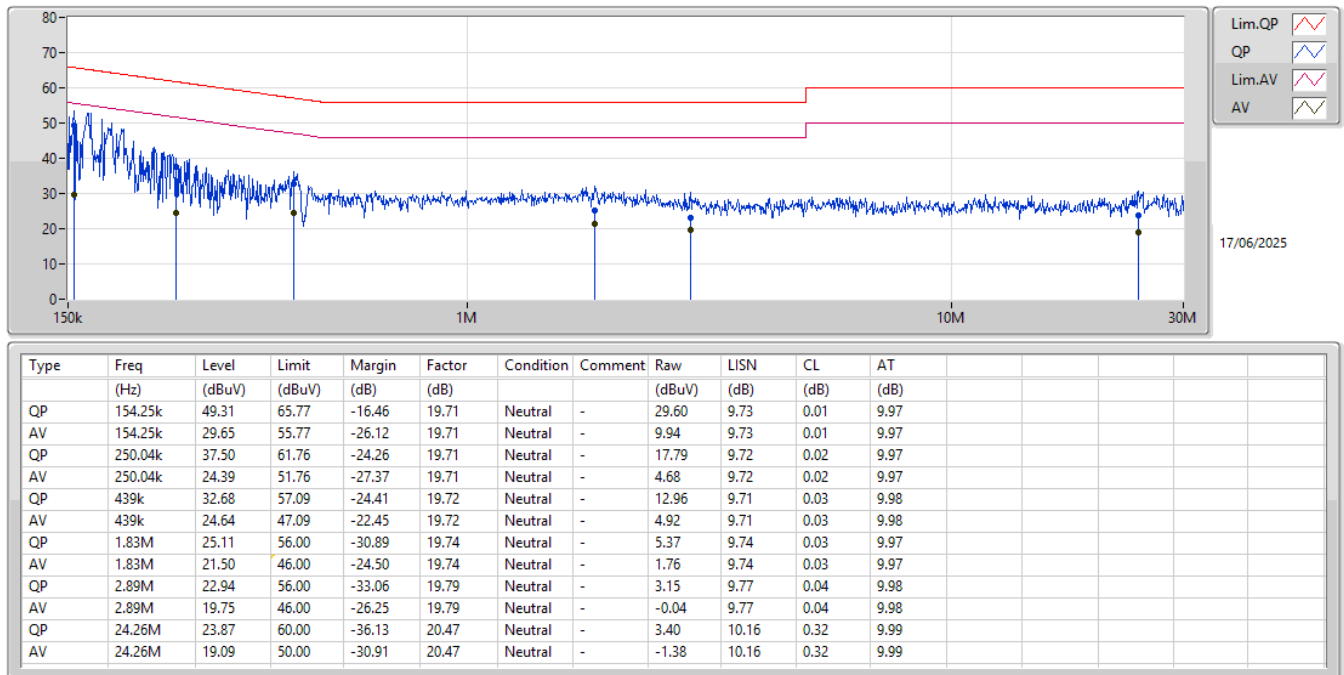
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	156.11k	50.58	65.67	-15.09	Line
Mode 1	Pass	AV	156.11k	29.83	55.67	-25.84	Line
Mode 1	Pass	QP	250.04k	37.37	61.76	-24.39	Line
Mode 1	Pass	AV	250.04k	24.90	51.76	-26.86	Line
Mode 1	Pass	QP	426.9k	29.66	57.32	-27.66	Line
Mode 1	Pass	AV	426.9k	21.09	47.32	-26.23	Line
Mode 1	Pass	QP	1.26M	25.43	56.00	-30.57	Line
Mode 1	Pass	AV	1.26M	21.66	46.00	-24.34	Line
Mode 1	Pass	QP	4.7M	22.08	56.00	-33.92	Line
Mode 1	Pass	AV	4.7M	18.69	46.00	-27.31	Line
Mode 1	Pass	QP	5.52M	22.02	60.00	-37.98	Line
Mode 1	Pass	AV	5.52M	18.91	50.00	-31.09	Line
Mode 1	Pass	QP	154.25k	49.31	65.77	-16.46	Neutral
Mode 1	Pass	AV	154.25k	29.65	55.77	-26.12	Neutral
Mode 1	Pass	QP	250.04k	37.50	61.76	-24.26	Neutral
Mode 1	Pass	AV	250.04k	24.39	51.76	-27.37	Neutral
Mode 1	Pass	QP	439k	32.68	57.09	-24.41	Neutral
Mode 1	Pass	AV	439k	24.64	47.09	-22.45	Neutral
Mode 1	Pass	QP	1.83M	25.11	56.00	-30.89	Neutral
Mode 1	Pass	AV	1.83M	21.50	46.00	-24.50	Neutral
Mode 1	Pass	QP	2.89M	22.94	56.00	-33.06	Neutral
Mode 1	Pass	AV	2.89M	19.75	46.00	-26.25	Neutral
Mode 1	Pass	QP	24.26M	23.87	60.00	-36.13	Neutral
Mode 1	Pass	AV	24.26M	19.09	50.00	-30.91	Neutral

Conducted Emissions at Powerline_Mode 1



Conducted Emissions at Powerline_Mode 1





**Conducted Emissions at Powerline_
chain 0_Dual-Polarized MIMO Panel Antenna**

Appendix A.2

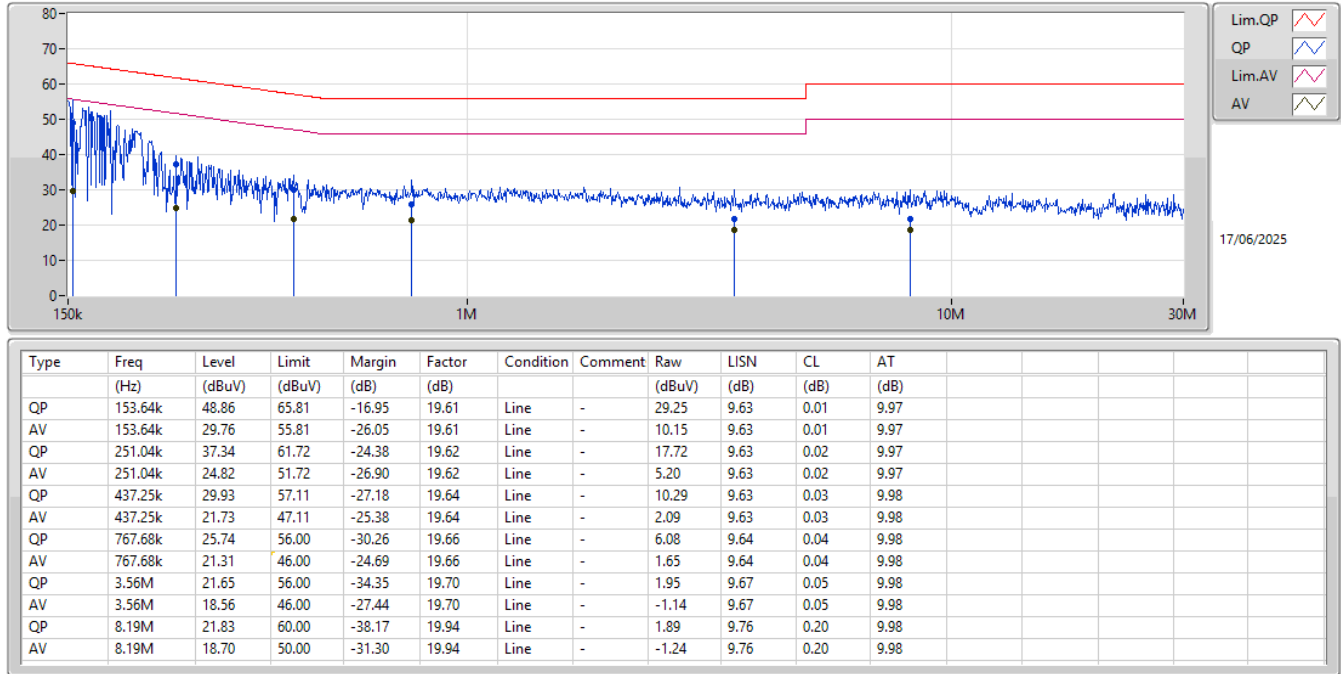
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150.6k	50.85	65.96	-15.11	Neutral

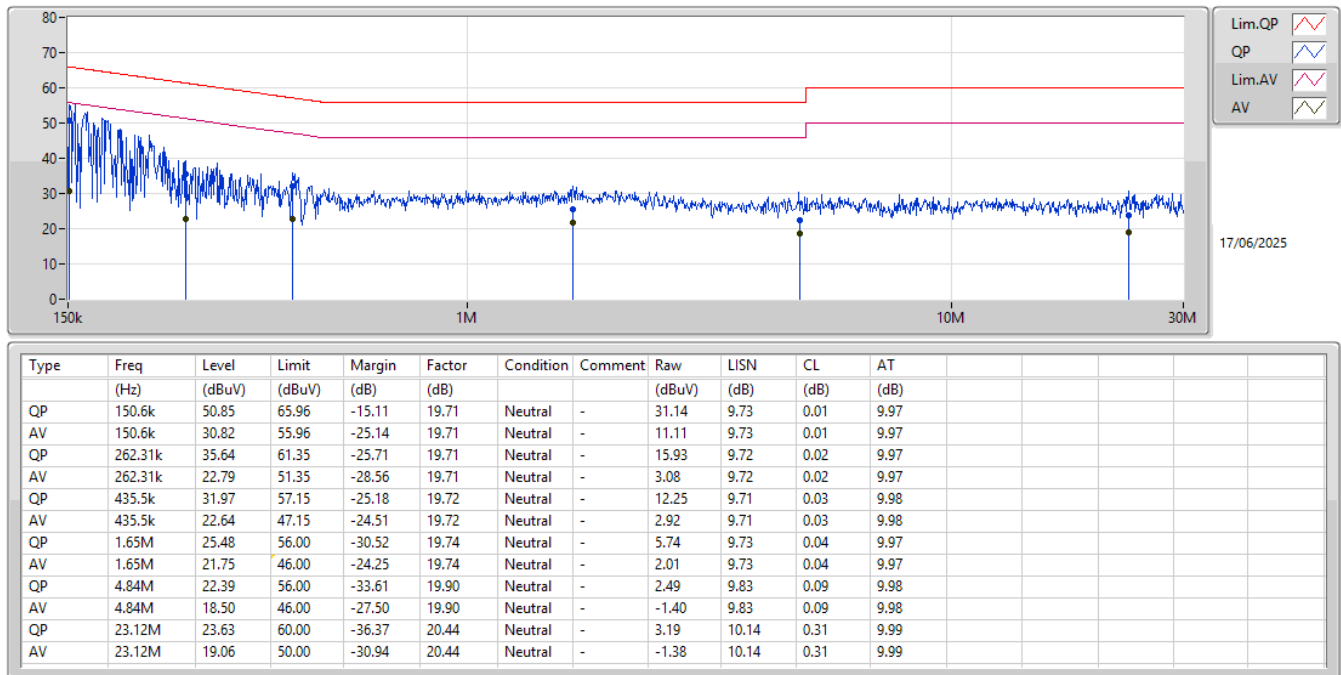
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	153.64k	48.86	65.81	-16.95	Line
Mode 1	Pass	AV	153.64k	29.76	55.81	-26.05	Line
Mode 1	Pass	QP	251.04k	37.34	61.72	-24.38	Line
Mode 1	Pass	AV	251.04k	24.82	51.72	-26.90	Line
Mode 1	Pass	QP	437.25k	29.93	57.11	-27.18	Line
Mode 1	Pass	AV	437.25k	21.73	47.11	-25.38	Line
Mode 1	Pass	QP	767.68k	25.74	56.00	-30.26	Line
Mode 1	Pass	AV	767.68k	21.31	46.00	-24.69	Line
Mode 1	Pass	QP	3.56M	21.65	56.00	-34.35	Line
Mode 1	Pass	AV	3.56M	18.56	46.00	-27.44	Line
Mode 1	Pass	QP	8.19M	21.83	60.00	-38.17	Line
Mode 1	Pass	AV	8.19M	18.70	50.00	-31.30	Line
Mode 1	Pass	QP	150.6k	50.85	65.96	-15.11	Neutral
Mode 1	Pass	AV	150.6k	30.82	55.96	-25.14	Neutral
Mode 1	Pass	QP	262.31k	35.64	61.35	-25.71	Neutral
Mode 1	Pass	AV	262.31k	22.79	51.35	-28.56	Neutral
Mode 1	Pass	QP	435.5k	31.97	57.15	-25.18	Neutral
Mode 1	Pass	AV	435.5k	22.64	47.15	-24.51	Neutral
Mode 1	Pass	QP	1.65M	25.48	56.00	-30.52	Neutral
Mode 1	Pass	AV	1.65M	21.75	46.00	-24.25	Neutral
Mode 1	Pass	QP	4.84M	22.39	56.00	-33.61	Neutral
Mode 1	Pass	AV	4.84M	18.50	46.00	-27.50	Neutral
Mode 1	Pass	QP	23.12M	23.63	60.00	-36.37	Neutral
Mode 1	Pass	AV	23.12M	19.06	50.00	-30.94	Neutral

Conducted Emissions at Powerline_Mode 1



Conducted Emissions at Powerline_Mode 1





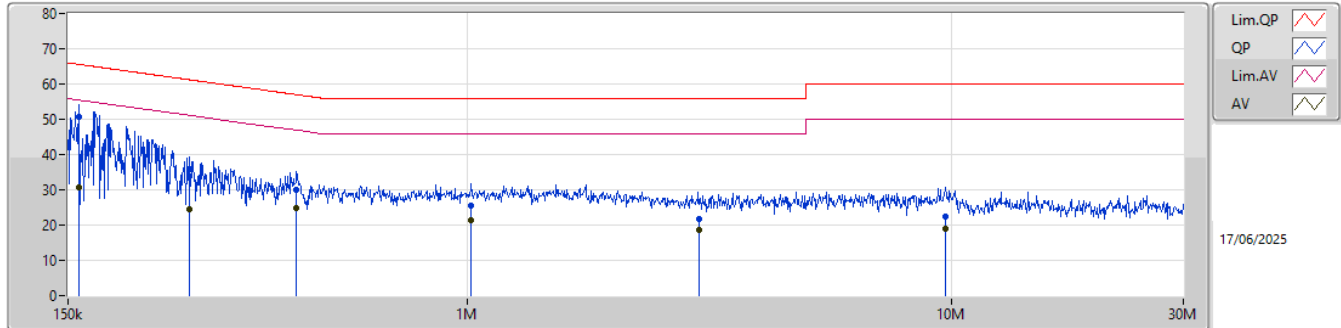
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	157.99k	50.84	65.56	-14.72	Line

Result

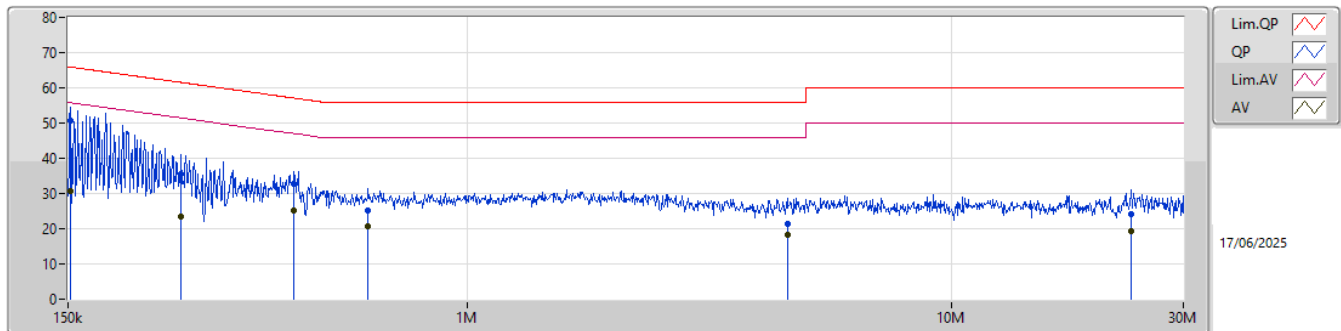
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	157.99k	50.84	65.56	-14.72	Line
Mode 1	Pass	AV	157.99k	30.69	55.56	-24.87	Line
Mode 1	Pass	QP	266.53k	35.96	61.22	-25.26	Line
Mode 1	Pass	AV	266.53k	24.48	51.22	-26.74	Line
Mode 1	Pass	QP	444.28k	30.14	56.98	-26.84	Line
Mode 1	Pass	AV	444.28k	24.66	46.98	-22.32	Line
Mode 1	Pass	QP	1.02M	25.54	56.00	-30.46	Line
Mode 1	Pass	AV	1.02M	21.53	46.00	-24.47	Line
Mode 1	Pass	QP	3M	21.67	56.00	-34.33	Line
Mode 1	Pass	AV	3M	18.61	46.00	-27.39	Line
Mode 1	Pass	QP	9.69M	22.32	60.00	-37.68	Line
Mode 1	Pass	AV	9.69M	19.07	50.00	-30.93	Line
Mode 1	Pass	QP	151.81k	50.62	65.90	-15.28	Neutral
Mode 1	Pass	AV	151.81k	30.86	55.90	-25.04	Neutral
Mode 1	Pass	QP	257.12k	35.44	61.53	-26.09	Neutral
Mode 1	Pass	AV	257.12k	23.54	51.53	-27.99	Neutral
Mode 1	Pass	QP	439k	32.63	57.09	-24.46	Neutral
Mode 1	Pass	AV	439k	25.22	47.09	-21.87	Neutral
Mode 1	Pass	QP	623.77k	25.02	56.00	-30.98	Neutral
Mode 1	Pass	AV	623.77k	20.62	46.00	-25.38	Neutral
Mode 1	Pass	QP	4.57M	21.50	56.00	-34.50	Neutral
Mode 1	Pass	AV	4.57M	18.28	46.00	-27.72	Neutral
Mode 1	Pass	QP	23.4M	24.29	60.00	-35.71	Neutral
Mode 1	Pass	AV	23.4M	19.38	50.00	-30.62	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	157.99k	50.84	65.56	-14.72	19.61	Line	-	31.23	9.63	0.01	9.97						
AV	157.99k	30.69	55.56	-24.87	19.61	Line	-	11.08	9.63	0.01	9.97						
QP	266.53k	35.96	61.22	-25.26	19.62	Line	-	16.34	9.63	0.02	9.97						
AV	266.53k	24.48	51.22	-26.74	19.62	Line	-	4.86	9.63	0.02	9.97						
QP	444.28k	30.14	56.98	-26.84	19.64	Line	-	10.50	9.63	0.03	9.98						
AV	444.28k	24.66	46.98	-22.32	19.64	Line	-	5.02	9.63	0.03	9.98						
QP	1.02M	25.54	56.00	-30.46	19.67	Line	-	5.87	9.64	0.05	9.98						
AV	1.02M	21.53	46.00	-24.47	19.67	Line	-	1.86	9.64	0.05	9.98						
QP	3M	21.67	56.00	-34.33	19.69	Line	-	1.98	9.67	0.04	9.98						
AV	3M	18.61	46.00	-27.39	19.69	Line	-	-1.08	9.67	0.04	9.98						
QP	9.69M	22.32	60.00	-37.68	19.99	Line	-	2.33	9.78	0.23	9.98						
AV	9.69M	19.07	50.00	-30.93	19.99	Line	-	-0.92	9.78	0.23	9.98						

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	151.81k	50.62	65.90	-15.28	19.71	Neutral	-	30.91	9.73	0.01	9.97						
AV	151.81k	30.86	55.90	-25.04	19.71	Neutral	-	11.15	9.73	0.01	9.97						
QP	257.12k	35.44	61.53	-26.09	19.71	Neutral	-	15.73	9.72	0.02	9.97						
AV	257.12k	23.54	51.53	-27.99	19.71	Neutral	-	3.83	9.72	0.02	9.97						
QP	439k	32.63	57.09	-24.46	19.72	Neutral	-	12.91	9.71	0.03	9.98						
AV	439k	25.22	47.09	-21.87	19.72	Neutral	-	5.50	9.71	0.03	9.98						
QP	623.77k	25.02	56.00	-30.98	19.73	Neutral	-	5.29	9.71	0.04	9.98						
AV	623.77k	20.62	46.00	-25.38	19.73	Neutral	-	0.89	9.71	0.04	9.98						
QP	4.57M	21.50	56.00	-34.50	19.87	Neutral	-	1.63	9.81	0.08	9.98						
AV	4.57M	18.28	46.00	-27.72	19.87	Neutral	-	-1.59	9.81	0.08	9.98						
QP	23.4M	24.29	60.00	-35.71	20.45	Neutral	-	3.84	10.14	0.32	9.99						
AV	23.4M	19.38	50.00	-30.62	20.45	Neutral	-	-1.07	10.14	0.32	9.99						



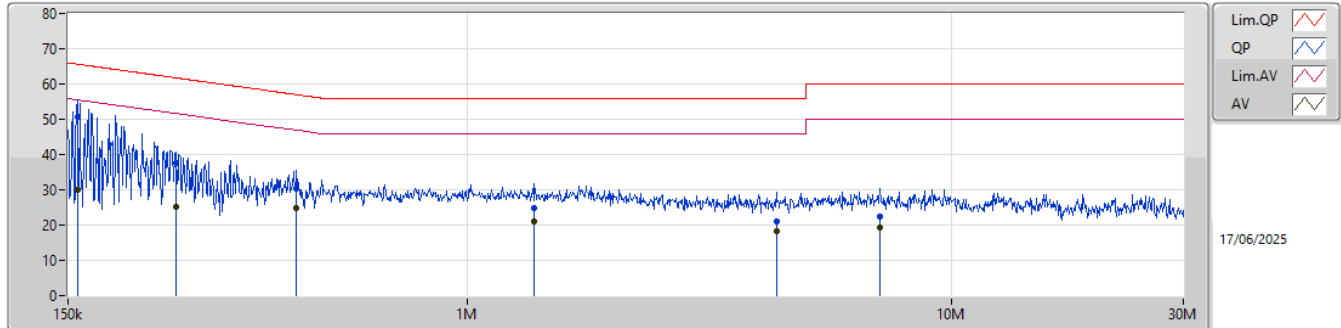
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	164.43k	50.35	65.24	-14.89	Neutral

Result

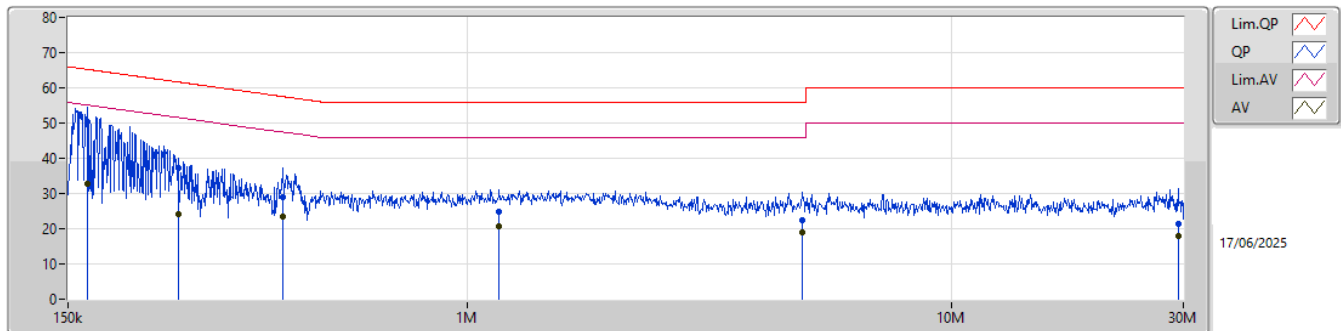
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	156.73k	50.73	65.64	-14.91	Line
Mode 1	Pass	AV	156.73k	30.04	55.64	-25.60	Line
Mode 1	Pass	QP	250.04k	37.51	61.76	-24.25	Line
Mode 1	Pass	AV	250.04k	25.18	51.76	-26.58	Line
Mode 1	Pass	QP	444.28k	30.20	56.98	-26.78	Line
Mode 1	Pass	AV	444.28k	24.77	46.98	-22.21	Line
Mode 1	Pass	QP	1.37M	24.70	56.00	-31.30	Line
Mode 1	Pass	AV	1.37M	20.97	46.00	-25.03	Line
Mode 1	Pass	QP	4.34M	21.17	56.00	-34.83	Line
Mode 1	Pass	AV	4.34M	18.19	46.00	-27.81	Line
Mode 1	Pass	QP	7.09M	22.26	60.00	-37.74	Line
Mode 1	Pass	AV	7.09M	19.15	50.00	-30.85	Line
Mode 1	Pass	QP	164.43k	50.35	65.24	-14.89	Neutral
Mode 1	Pass	AV	164.43k	32.80	55.24	-22.44	Neutral
Mode 1	Pass	QP	253.05k	37.26	61.66	-24.40	Neutral
Mode 1	Pass	AV	253.05k	24.23	51.66	-27.43	Neutral
Mode 1	Pass	QP	415.13k	28.93	57.55	-28.62	Neutral
Mode 1	Pass	AV	415.13k	23.39	47.55	-24.16	Neutral
Mode 1	Pass	QP	1.16M	24.69	56.00	-31.31	Neutral
Mode 1	Pass	AV	1.16M	20.76	46.00	-25.24	Neutral
Mode 1	Pass	QP	4.91M	22.38	56.00	-33.62	Neutral
Mode 1	Pass	AV	4.91M	18.86	46.00	-27.14	Neutral
Mode 1	Pass	QP	29.26M	21.44	60.00	-38.56	Neutral
Mode 1	Pass	AV	29.26M	17.81	50.00	-32.19	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	156.73k	50.73	65.64	-14.91	19.61	Line	-	31.12	9.63	0.01	9.97						
AV	156.73k	30.04	55.64	-25.60	19.61	Line	-	10.43	9.63	0.01	9.97						
QP	250.04k	37.51	61.76	-24.25	19.62	Line	-	17.89	9.63	0.02	9.97						
AV	250.04k	25.18	51.76	-26.58	19.62	Line	-	5.56	9.63	0.02	9.97						
QP	444.28k	30.20	56.98	-26.78	19.64	Line	-	10.56	9.63	0.03	9.98						
AV	444.28k	24.77	46.98	-22.21	19.64	Line	-	5.13	9.63	0.03	9.98						
QP	1.37M	24.70	56.00	-31.30	19.67	Line	-	5.03	9.65	0.04	9.98						
AV	1.37M	20.97	46.00	-25.03	19.67	Line	-	1.30	9.65	0.04	9.98						
QP	4.34M	21.17	56.00	-34.83	19.73	Line	-	1.44	9.68	0.07	9.98						
AV	4.34M	18.19	46.00	-27.81	19.73	Line	-	-1.54	9.68	0.07	9.98						
QP	7.09M	22.26	60.00	-37.74	19.89	Line	-	2.37	9.74	0.17	9.98						
AV	7.09M	19.15	50.00	-30.85	19.89	Line	-	-0.74	9.74	0.17	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	164.43k	50.35	65.24	-14.89	19.71	Neutral	-	30.64	9.73	0.01	9.97						
AV	164.43k	32.80	55.24	-22.44	19.71	Neutral	-	13.09	9.73	0.01	9.97						
QP	253.05k	37.26	61.66	-24.40	19.71	Neutral	-	17.55	9.72	0.02	9.97						
AV	253.05k	24.23	51.66	-27.43	19.71	Neutral	-	4.52	9.72	0.02	9.97						
QP	415.13k	28.93	57.55	-28.62	19.72	Neutral	-	9.21	9.71	0.03	9.98						
AV	415.13k	23.39	47.55	-24.16	19.72	Neutral	-	3.67	9.71	0.03	9.98						
QP	1.16M	24.69	56.00	-31.31	19.75	Neutral	-	4.94	9.72	0.05	9.98						
AV	1.16M	20.76	46.00	-25.24	19.75	Neutral	-	1.01	9.72	0.05	9.98						
QP	4.91M	22.38	56.00	-33.62	19.90	Neutral	-	2.48	9.83	0.09	9.98						
AV	4.91M	18.86	46.00	-27.14	19.90	Neutral	-	-1.04	9.83	0.09	9.98						
QP	29.26M	21.44	60.00	-38.56	20.54	Neutral	-	0.90	10.22	0.36	9.96						
AV	29.26M	17.81	50.00	-32.19	20.54	Neutral	-	-2.73	10.22	0.36	9.96						



Conducted Emissions at Powerline_chain 1_PIFA Antenna Appendix A.5

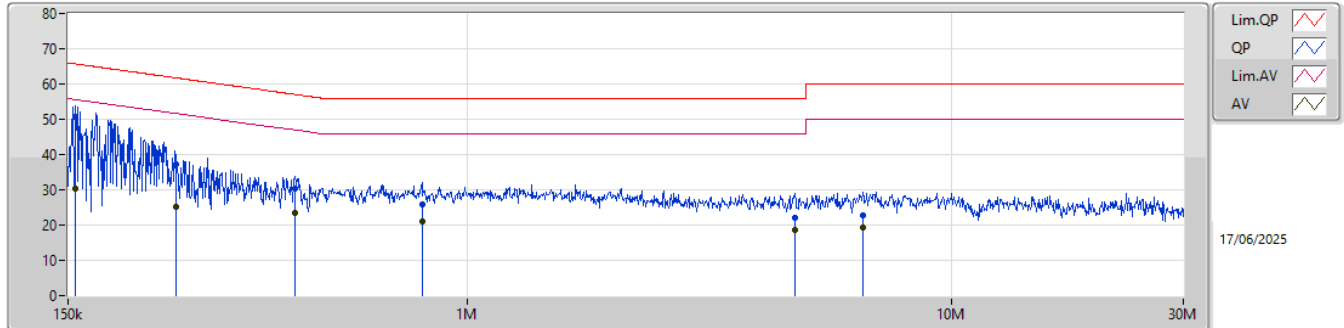
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	155.49k	50.82	65.69	-14.87	Line

Result

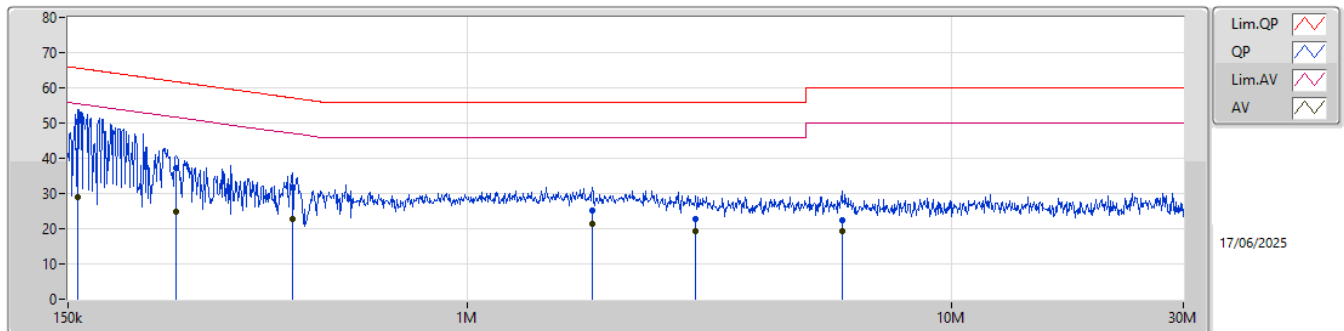
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	155.49k	50.82	65.69	-14.87	Line
Mode 1	Pass	AV	155.49k	30.19	55.69	-25.50	Line
Mode 1	Pass	QP	251.04k	37.24	61.72	-24.48	Line
Mode 1	Pass	AV	251.04k	25.05	51.72	-26.67	Line
Mode 1	Pass	QP	440.75k	30.31	57.05	-26.74	Line
Mode 1	Pass	AV	440.75k	23.55	47.05	-23.50	Line
Mode 1	Pass	QP	805.35k	25.87	56.00	-30.13	Line
Mode 1	Pass	AV	805.35k	21.20	46.00	-24.80	Line
Mode 1	Pass	QP	4.74M	22.07	56.00	-33.93	Line
Mode 1	Pass	AV	4.74M	18.65	46.00	-27.35	Line
Mode 1	Pass	QP	6.55M	22.76	60.00	-37.24	Line
Mode 1	Pass	AV	6.55M	19.43	50.00	-30.57	Line
Mode 1	Pass	QP	156.73k	50.18	65.64	-15.46	Neutral
Mode 1	Pass	AV	156.73k	29.12	55.64	-26.52	Neutral
Mode 1	Pass	QP	250.04k	37.30	61.76	-24.46	Neutral
Mode 1	Pass	AV	250.04k	24.75	51.76	-27.01	Neutral
Mode 1	Pass	QP	435.5k	31.73	57.15	-25.42	Neutral
Mode 1	Pass	AV	435.5k	22.82	47.15	-24.33	Neutral
Mode 1	Pass	QP	1.81M	25.07	56.00	-30.93	Neutral
Mode 1	Pass	AV	1.81M	21.44	46.00	-24.56	Neutral
Mode 1	Pass	QP	2.96M	22.76	56.00	-33.24	Neutral
Mode 1	Pass	AV	2.96M	19.45	46.00	-26.55	Neutral
Mode 1	Pass	QP	5.93M	22.48	60.00	-37.52	Neutral
Mode 1	Pass	AV	5.93M	19.14	50.00	-30.86	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	155.49k	50.82	65.69	-14.87	19.61	Line	-	31.21	9.63	0.01	9.97								
AV	155.49k	30.19	55.69	-25.50	19.61	Line	-	10.58	9.63	0.01	9.97								
QP	251.04k	37.24	61.72	-24.48	19.62	Line	-	17.62	9.63	0.02	9.97								
AV	251.04k	25.05	51.72	-26.67	19.62	Line	-	5.43	9.63	0.02	9.97								
QP	440.75k	30.31	57.05	-26.74	19.64	Line	-	10.67	9.63	0.03	9.98								
AV	440.75k	23.55	47.05	-23.50	19.64	Line	-	3.91	9.63	0.03	9.98								
QP	805.35k	25.87	56.00	-30.13	19.67	Line	-	6.20	9.64	0.05	9.98								
AV	805.35k	21.20	46.00	-24.80	19.67	Line	-	1.53	9.64	0.05	9.98								
QP	4.74M	22.07	56.00	-33.93	19.76	Line	-	2.31	9.69	0.09	9.98								
AV	4.74M	18.65	46.00	-27.35	19.76	Line	-	-1.11	9.69	0.09	9.98								
QP	6.55M	22.76	60.00	-37.24	19.86	Line	-	2.90	9.73	0.15	9.98								
AV	6.55M	19.43	50.00	-30.57	19.86	Line	-	-0.43	9.73	0.15	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	156.73k	50.18	65.64	-15.46	19.71	Neutral	-	30.47	9.73	0.01	9.97								
AV	156.73k	29.12	55.64	-26.52	19.71	Neutral	-	9.41	9.73	0.01	9.97								
QP	250.04k	37.30	61.76	-24.46	19.71	Neutral	-	17.59	9.72	0.02	9.97								
AV	250.04k	24.75	51.76	-27.01	19.71	Neutral	-	5.04	9.72	0.02	9.97								
QP	435.5k	31.73	57.15	-25.42	19.72	Neutral	-	12.01	9.71	0.03	9.98								
AV	435.5k	22.82	47.15	-24.33	19.72	Neutral	-	3.10	9.71	0.03	9.98								
QP	1.81M	25.07	56.00	-30.93	19.74	Neutral	-	5.33	9.74	0.03	9.97								
AV	1.81M	21.44	46.00	-24.56	19.74	Neutral	-	1.70	9.74	0.03	9.97								
QP	2.96M	22.76	56.00	-33.24	19.79	Neutral	-	2.97	9.77	0.04	9.98								
AV	2.96M	19.45	46.00	-26.55	19.79	Neutral	-	-0.34	9.77	0.04	9.98								
QP	5.93M	22.48	60.00	-37.52	19.97	Neutral	-	2.51	9.86	0.13	9.98								
AV	5.93M	19.14	50.00	-30.86	19.97	Neutral	-	-0.83	9.86	0.13	9.98								

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	653.75k	1.038M	1M04F1D	645k	1.034M
BT-LE(125kbps)	686.25k	1.066M	1M07F1D	676.25k	1.061M
BT-LE(500kbps)	760k	1.037M	1M04F1D	631.25k	1.022M
BT-LE(2Mbps)	1.315M	2.084M	2M08F1D	1.11M	2.066M

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)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	651.25k	1.038M
2440MHz	Pass	500k	653.75k	1.034M
2480MHz	Pass	500k	645k	1.037M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.315M	2.079M
2440MHz	Pass	500k	1.185M	2.066M
2480MHz	Pass	500k	1.11M	2.084M
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	500k	676.25k	1.066M
2440MHz	Pass	500k	680k	1.061M
2480MHz	Pass	500k	686.25k	1.066M
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	500k	711.25k	1.037M
2440MHz	Pass	500k	631.25k	1.023M
2480MHz	Pass	500k	760k	1.022M

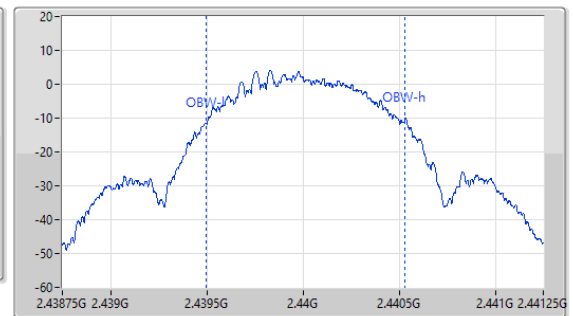
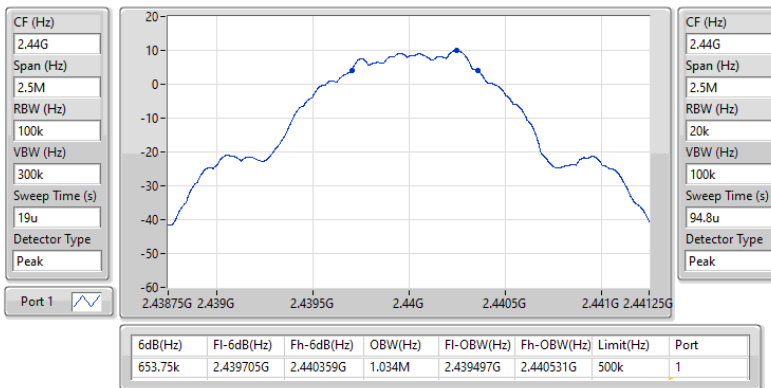
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2440MHz

04/03/2025

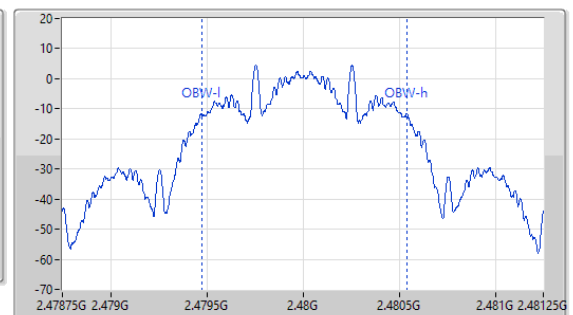
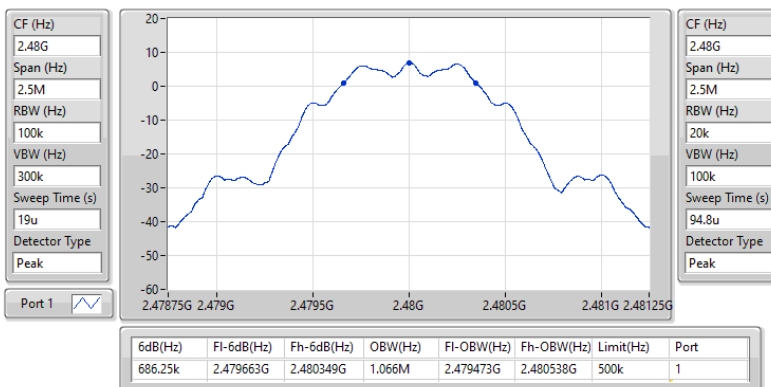


2.4-2.4835GHz_BT-LE(125kbps)

EBW-DTS

2480MHz

04/03/2025

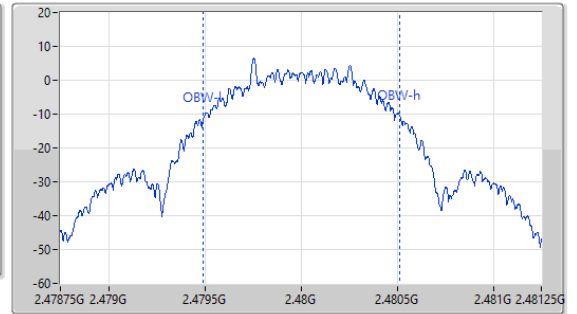
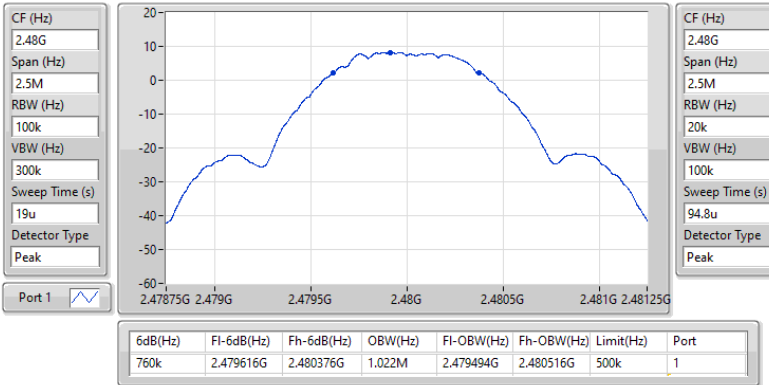


2.4-2.4835GHz_BT-LE(500kbps)

EBW-DTS

2480MHz

04/03/2025

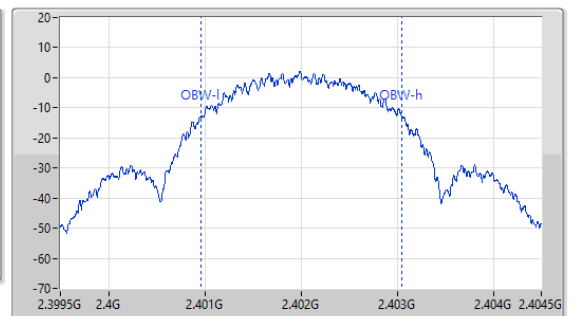
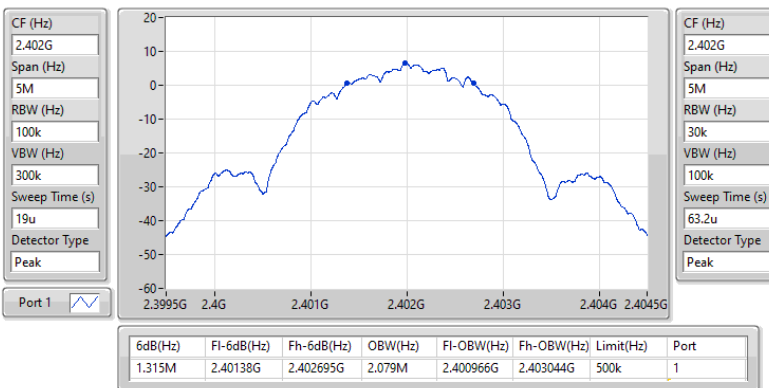


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2402MHz

04/03/2025



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	653.75k	1.038M	1M04F1D	645k	1.034M
BT-LE(125kbps)	686.25k	1.066M	1M07F1D	676.25k	1.061M
BT-LE(500kbps)	760k	1.037M	1M04F1D	631.25k	1.022M
BT-LE(2Mbps)	1.315M	2.084M	2M08F1D	1.11M	2.066M

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

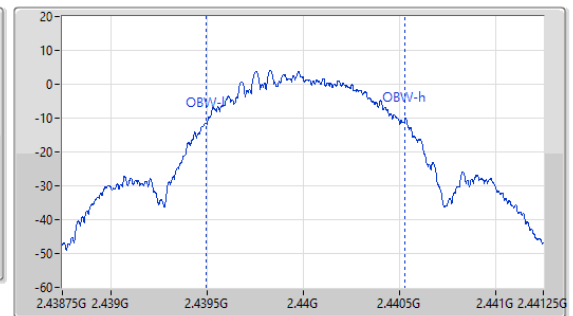
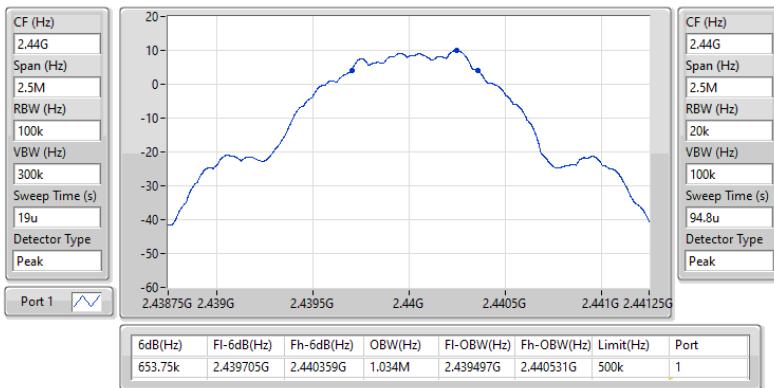
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	651.25k	1.038M
2440MHz	Pass	500k	653.75k	1.034M
2480MHz	Pass	500k	645k	1.037M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.315M	2.079M
2440MHz	Pass	500k	1.185M	2.066M
2480MHz	Pass	500k	1.11M	2.084M
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	500k	676.25k	1.066M
2440MHz	Pass	500k	680k	1.061M
2480MHz	Pass	500k	686.25k	1.066M
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	500k	711.25k	1.037M
2440MHz	Pass	500k	631.25k	1.023M
2480MHz	Pass	500k	760k	1.022M

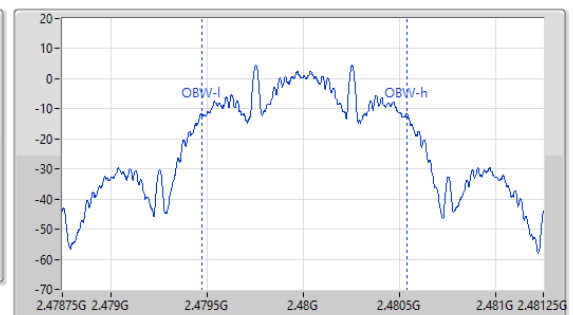
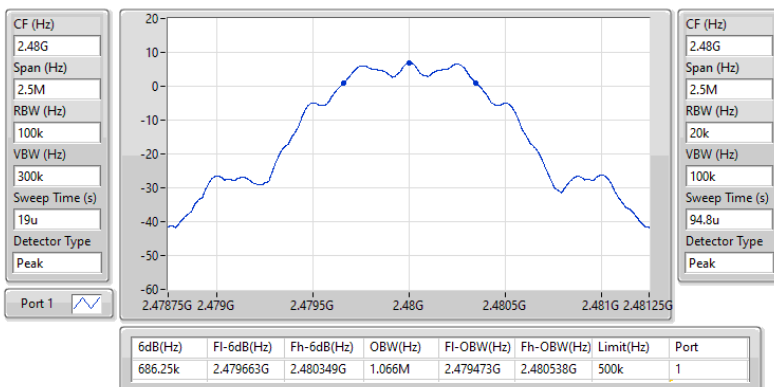
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)
EBW-DTS
2440MHz

04/03/2025


2.4-2.4835GHz_BT-LE(125kbps)
EBW-DTS
2480MHz

04/03/2025

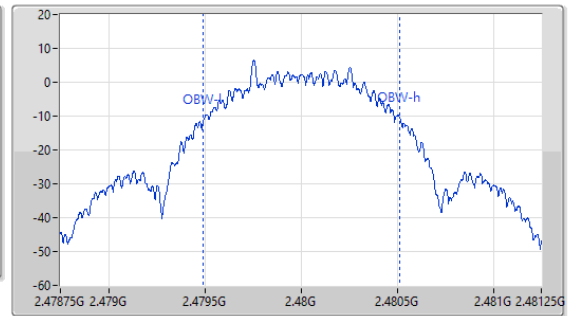
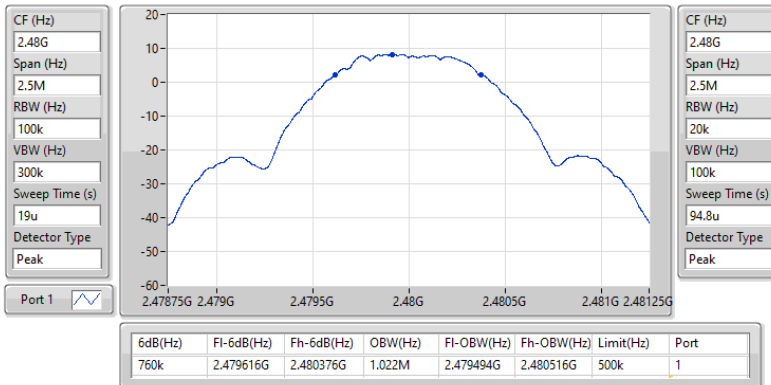


2.4-2.4835GHz_BT-LE(500kbps)

EBW-DTS

2480MHz

04/03/2025

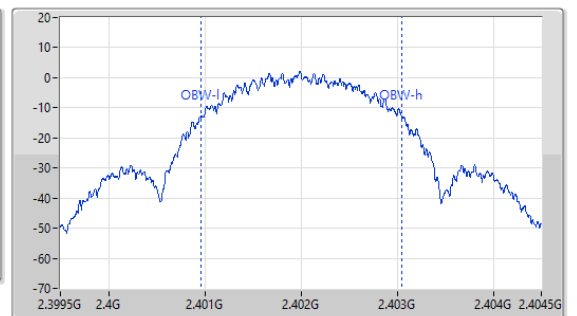
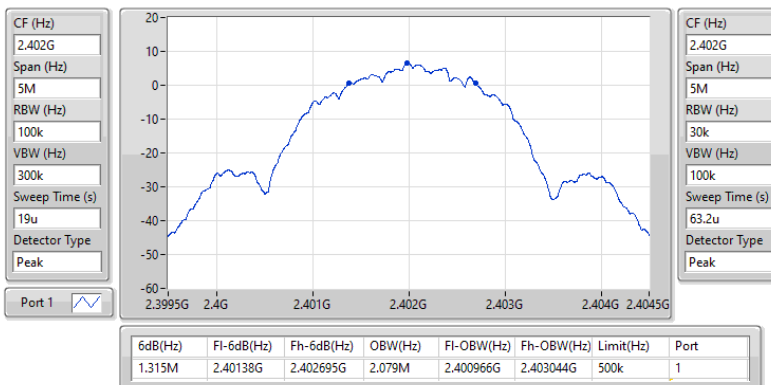


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2402MHz

04/03/2025



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	702.5k	1.052M	1M05F1D	647.5k	1.027M
BT-LE(125kbps)	688.75k	1.062M	1M06F1D	677.5k	1.056M
BT-LE(500kbps)	753.75k	1.028M	1M03F1D	677.5k	1.021M
BT-LE(2Mbps)	1.213M	2.111M	2M11F1D	987.5k	2.066M

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)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	647.5k	1.052M
2440MHz	Pass	500k	702.5k	1.039M
2480MHz	Pass	500k	667.5k	1.027M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.143M	2.111M
2440MHz	Pass	500k	987.5k	2.111M
2480MHz	Pass	500k	1.213M	2.066M
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	500k	688.75k	1.059M
2440MHz	Pass	500k	683.75k	1.062M
2480MHz	Pass	500k	677.5k	1.056M
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	500k	753.75k	1.028M
2440MHz	Pass	500k	728.75k	1.021M
2480MHz	Pass	500k	677.5k	1.024M

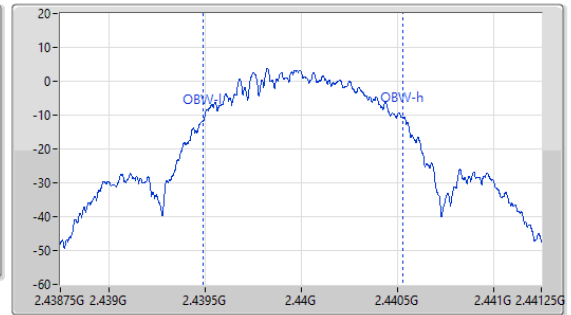
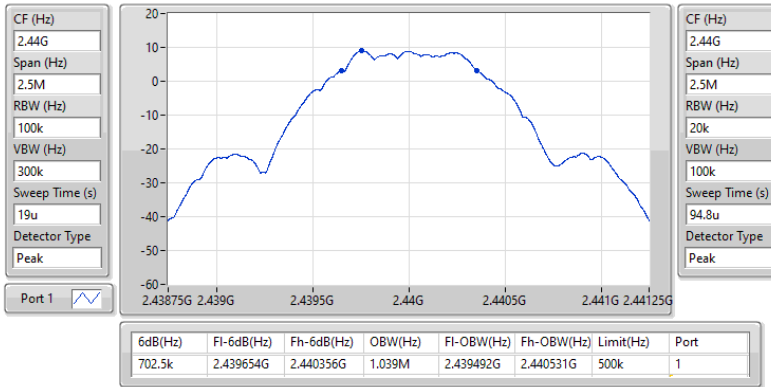
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2440MHz

06/05/2025

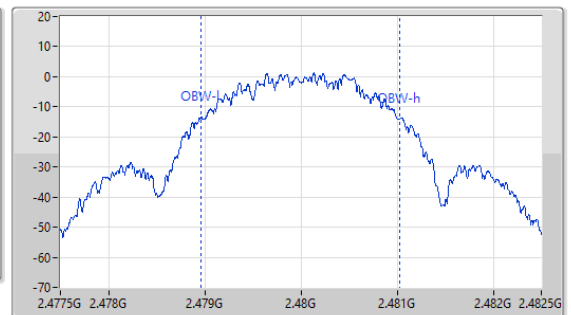
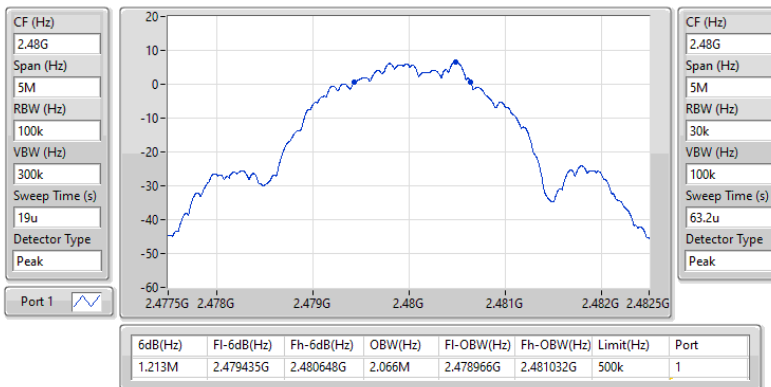


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2480MHz

06/05/2025

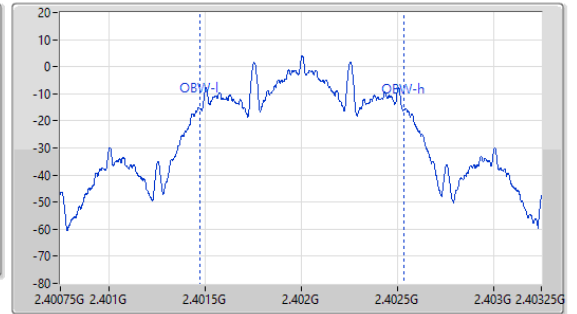
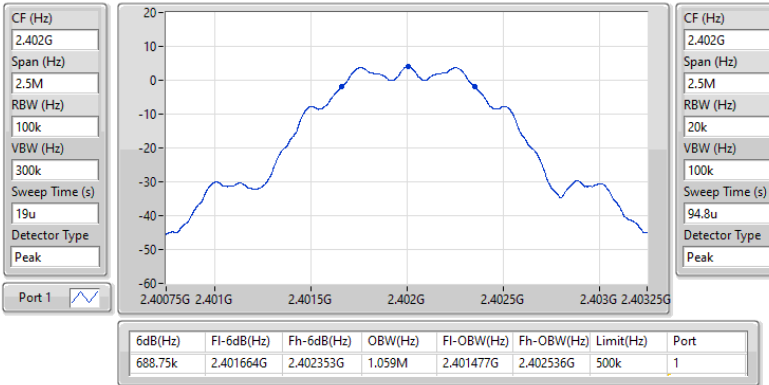


2.4-2.4835GHz_BT-LE(125kbps)

EBW-DTS

2402MHz

06/05/2025

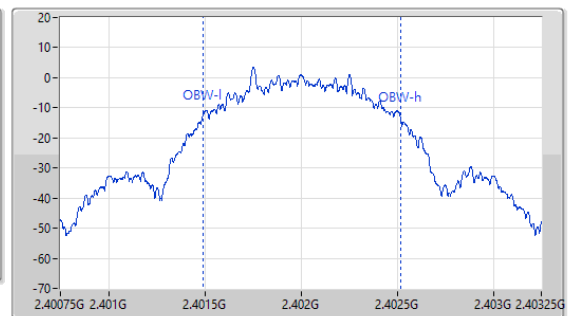
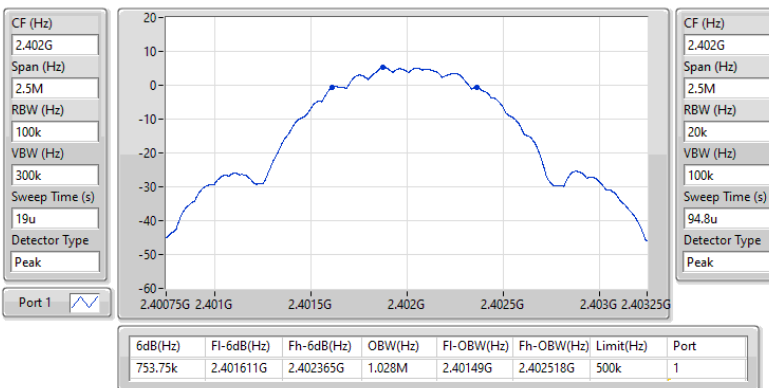


2.4-2.4835GHz_BT-LE(500kbps)

EBW-DTS

2402MHz

06/05/2025



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	740k	1.042M	1M04F1D	718.75k	1.031M
BT-LE(125kbps)	676.25k	1.066M	1M07F1D	670k	1.051M
BT-LE(500kbps)	742.5k	1.028M	1M03F1D	656.25k	1.023M
BT-LE(2Mbps)	1.35M	2.101M	2M10F1D	1.13M	2.079M

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)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	718.75k	1.042M
2440MHz	Pass	500k	740k	1.031M
2480MHz	Pass	500k	720k	1.041M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.318M	2.101M
2440MHz	Pass	500k	1.35M	2.089M
2480MHz	Pass	500k	1.13M	2.079M
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	500k	676.25k	1.066M
2440MHz	Pass	500k	676.25k	1.062M
2480MHz	Pass	500k	670k	1.051M
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	500k	742.5k	1.028M
2440MHz	Pass	500k	656.25k	1.028M
2480MHz	Pass	500k	693.75k	1.023M

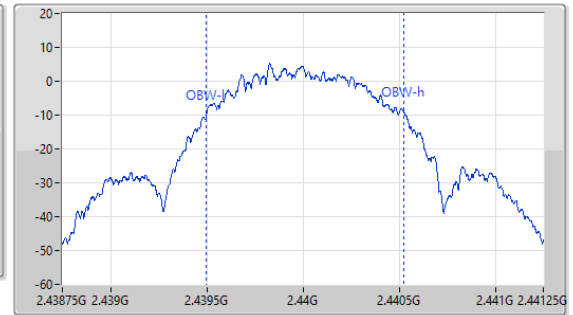
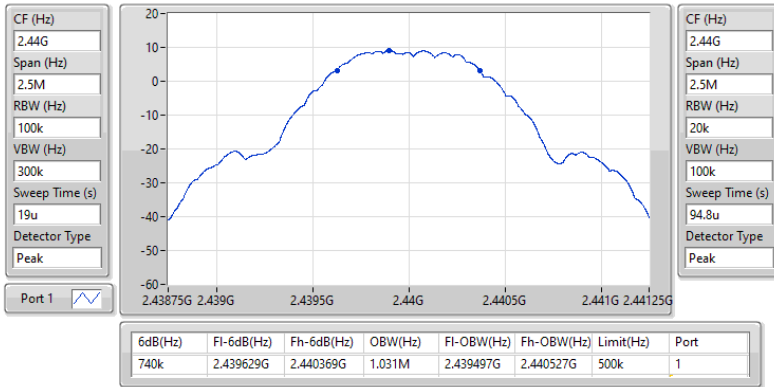
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2440MHz

04/03/2025

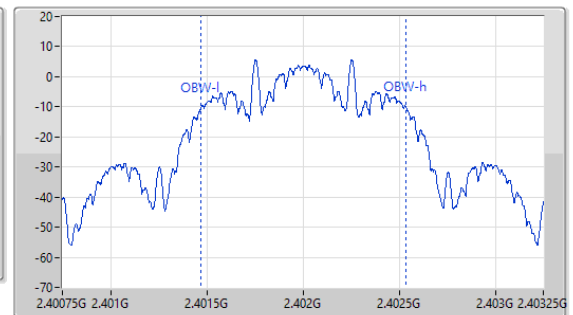
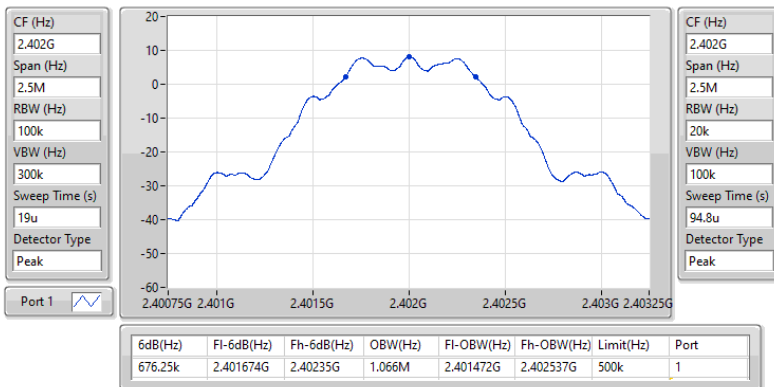


2.4-2.4835GHz_BT-LE(125kbps)

EBW-DTS

2402MHz

04/03/2025

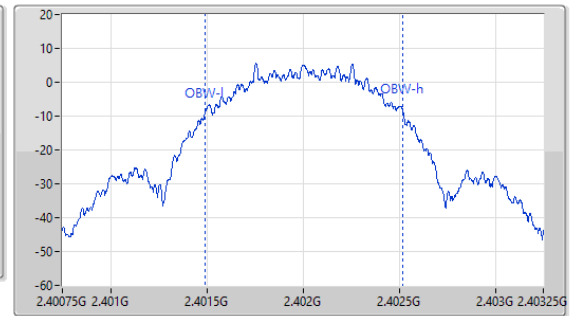
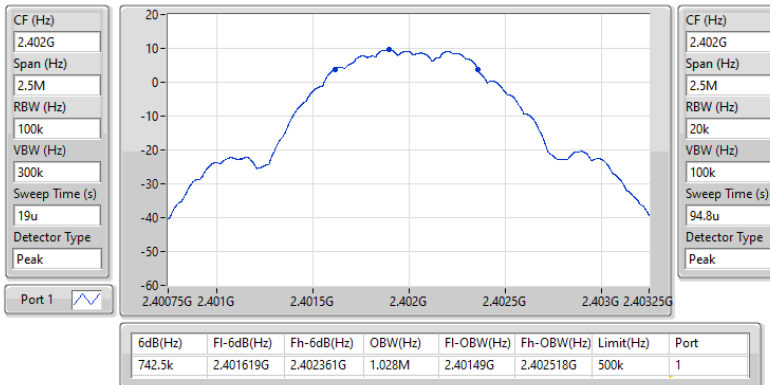


2.4-2.4835GHz_BT-LE(500kbps)

EBW-DTS

2402MHz

04/03/2025

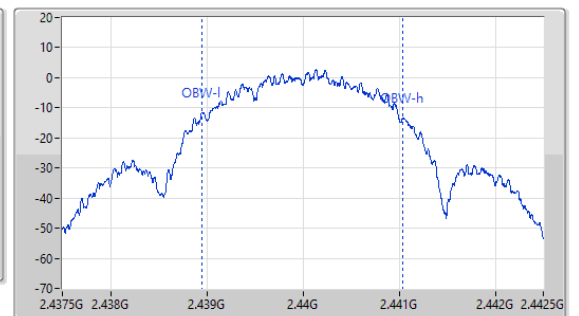
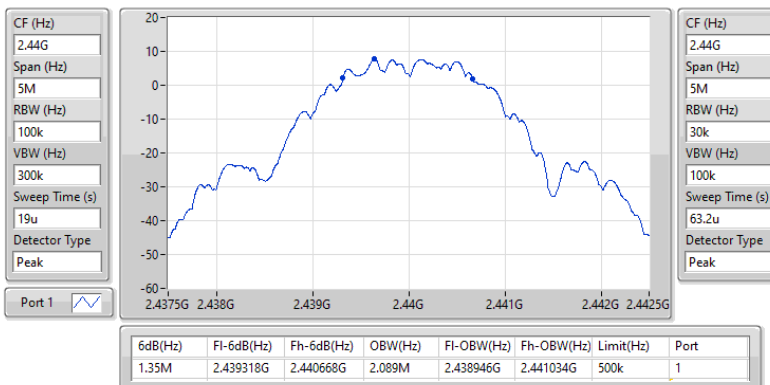


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2440MHz

04/03/2025



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	725k	1.044M	1M04F1D	607.5k	1.036M
BT-LE(125kbps)	686.25k	1.059M	1M06F1D	678.75k	1.059M
BT-LE(500kbps)	697.5k	1.034M	1M03F1D	661.25k	1.024M
BT-LE(2Mbps)	1.303M	2.106M	2M11F1D	1.15M	2.079M

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)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	725k	1.043M
2440MHz	Pass	500k	607.5k	1.036M
2480MHz	Pass	500k	667.5k	1.044M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.303M	2.086M
2440MHz	Pass	500k	1.218M	2.079M
2480MHz	Pass	500k	1.15M	2.106M
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	500k	678.75k	1.059M
2440MHz	Pass	500k	686.25k	1.059M
2480MHz	Pass	500k	680k	1.059M
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	500k	661.25k	1.034M
2440MHz	Pass	500k	697.5k	1.024M
2480MHz	Pass	500k	690k	1.027M

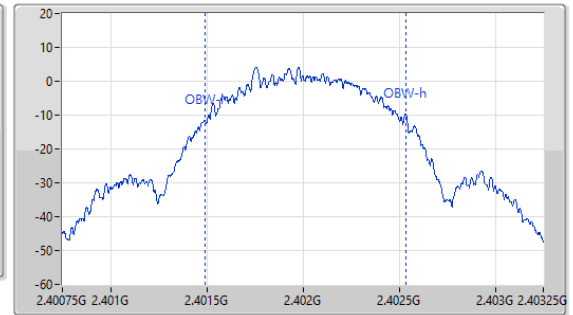
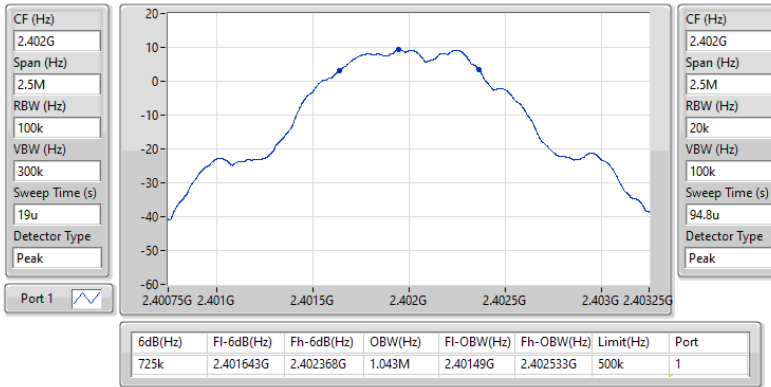
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2402MHz

04/03/2025

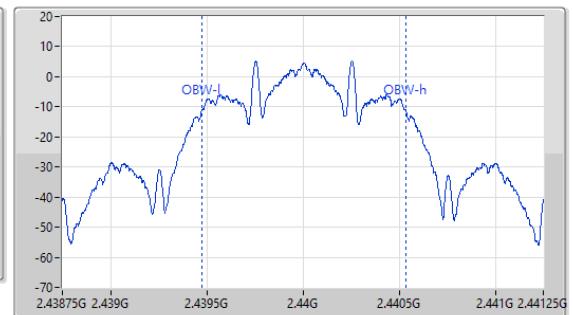
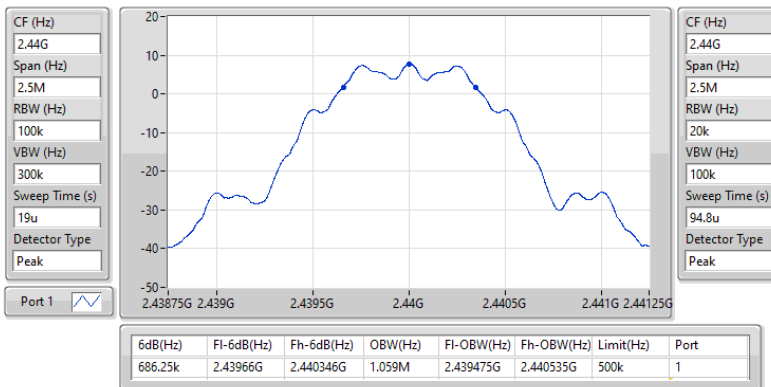


2.4-2.4835GHz_BT-LE(125kbps)

EBW-DTS

2440MHz

04/03/2025

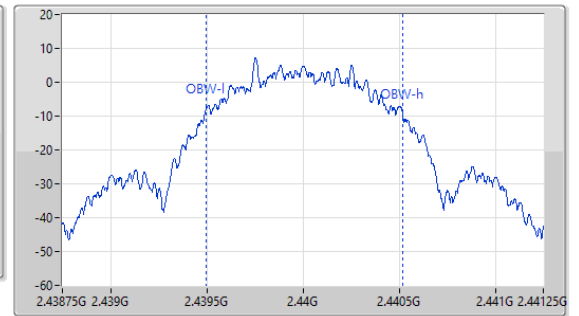
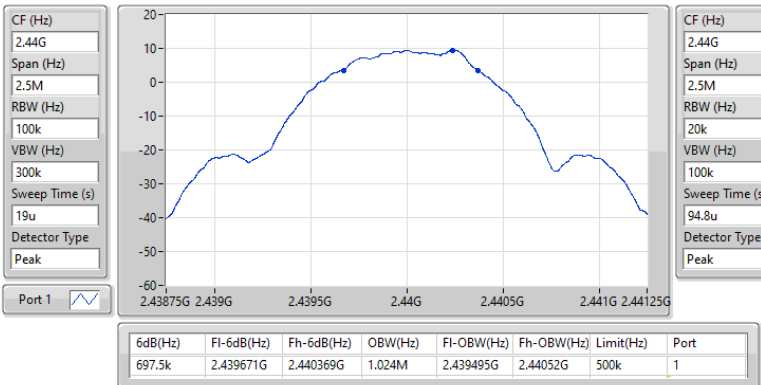


2.4-2.4835GHz_BT-LE(500kbps)

EBW-DTS

2440MHz

04/03/2025

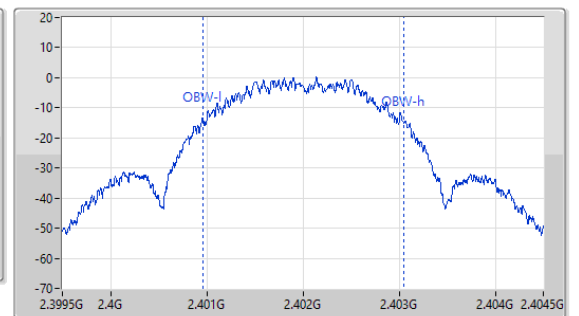


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2402MHz

04/03/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	11.01	0.01262
BT-LE(125kbps)	11.03	0.01268
BT-LE(500kbps)	11.01	0.01262
BT-LE(2Mbps)	11.01	0.01262

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	2.28	10.68	30.00
2440MHz	Pass	2.28	11.01	30.00
2480MHz	Pass	2.28	10.64	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	2.28	10.77	30.00
2440MHz	Pass	2.28	11.01	30.00
2480MHz	Pass	2.28	10.67	30.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	2.28	10.80	30.00
2440MHz	Pass	2.28	11.03	30.00
2480MHz	Pass	2.28	10.69	30.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	2.28	10.71	30.00
2440MHz	Pass	2.28	11.01	30.00
2480MHz	Pass	2.28	10.66	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	-	-
BT-LE(1Mbps)	11.01	0.01262
BT-LE(125kbps)	11.03	0.01268
BT-LE(500kbps)	11.01	0.01262
BT-LE(2Mbps)	11.01	0.01262



Average Power-DTS_chain 0_Dual-Polarized MIMO Panel Antenna Appendix C.2

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	8.00	10.68	28.00
2440MHz	Pass	8.00	11.01	28.00
2480MHz	Pass	8.00	10.64	28.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	8.00	10.77	28.00
2440MHz	Pass	8.00	11.01	28.00
2480MHz	Pass	8.00	10.67	28.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	8.00	10.80	28.00
2440MHz	Pass	8.00	11.03	28.00
2480MHz	Pass	8.00	10.69	28.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	8.00	10.71	28.00
2440MHz	Pass	8.00	11.01	28.00
2480MHz	Pass	8.00	10.66	28.00

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	-	-
BT-LE(1Mbps)	10.35	0.01084
BT-LE(2Mbps)	10.40	0.01096
BT-LE(125kbps)	7.62	0.00578
BT-LE(500kbps)	7.64	0.00581



Average Power-DTS_chain 0_Panel Antenna

Appendix C.3

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	12.52	10.14	23.48
2440MHz	Pass	12.52	10.35	23.48
2480MHz	Pass	12.52	10.09	23.48
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	12.52	10.15	23.48
2440MHz	Pass	12.52	10.40	23.48
2480MHz	Pass	12.52	10.10	23.48
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	12.52	7.54	23.48
2440MHz	Pass	12.52	7.16	23.48
2480MHz	Pass	12.52	7.62	23.48
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	12.52	7.27	23.48
2440MHz	Pass	12.52	6.86	23.48
2480MHz	Pass	12.52	7.64	23.48

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	-	-
BT-LE(1Mbps)	11.87	0.01538
BT-LE(125kbps)	11.95	0.01567
BT-LE(500kbps)	11.94	0.01563
BT-LE(2Mbps)	11.93	0.01560

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.90	11.75	30.00
2440MHz	Pass	4.90	11.87	30.00
2480MHz	Pass	4.90	11.73	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.90	11.75	30.00
2440MHz	Pass	4.90	11.93	30.00
2480MHz	Pass	4.90	11.82	30.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	4.90	11.76	30.00
2440MHz	Pass	4.90	11.95	30.00
2480MHz	Pass	4.90	11.80	30.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	4.90	11.82	30.00
2440MHz	Pass	4.90	11.94	30.00
2480MHz	Pass	4.90	11.75	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	-	-
BT-LE(1Mbps)	11.36	0.01368
BT-LE(125kbps)	11.36	0.01368
BT-LE(500kbps)	11.40	0.01380
BT-LE(2Mbps)	11.38	0.01374

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.10	11.36	30.00
2440MHz	Pass	4.10	11.22	30.00
2480MHz	Pass	4.10	10.74	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.10	11.38	30.00
2440MHz	Pass	4.10	11.34	30.00
2480MHz	Pass	4.10	10.81	30.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	4.10	11.31	30.00
2440MHz	Pass	4.10	11.36	30.00
2480MHz	Pass	4.10	10.73	30.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	4.10	11.40	30.00
2440MHz	Pass	4.10	11.21	30.00
2480MHz	Pass	4.10	10.85	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	-
BT-LE(1Mbps)	-6.19
BT-LE(125kbps)	4.65
BT-LE(500kbps)	4.53
BT-LE(2Mbps)	-8.70

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	2.28	-6.31	8.00
2440MHz	Pass	2.28	-6.19	8.00
2480MHz	Pass	2.28	-6.68	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	2.28	-8.86	8.00
2440MHz	Pass	2.28	-8.70	8.00
2480MHz	Pass	2.28	-9.26	8.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	2.28	4.37	8.00
2440MHz	Pass	2.28	4.65	8.00
2480MHz	Pass	2.28	4.17	8.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	2.28	4.11	8.00
2440MHz	Pass	2.28	4.53	8.00
2480MHz	Pass	2.28	4.05	8.00

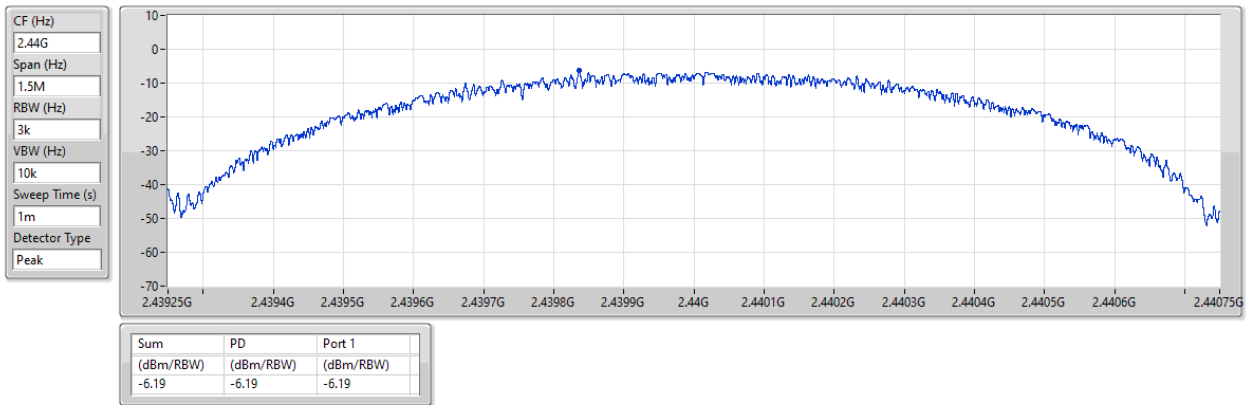
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

04/03/2025

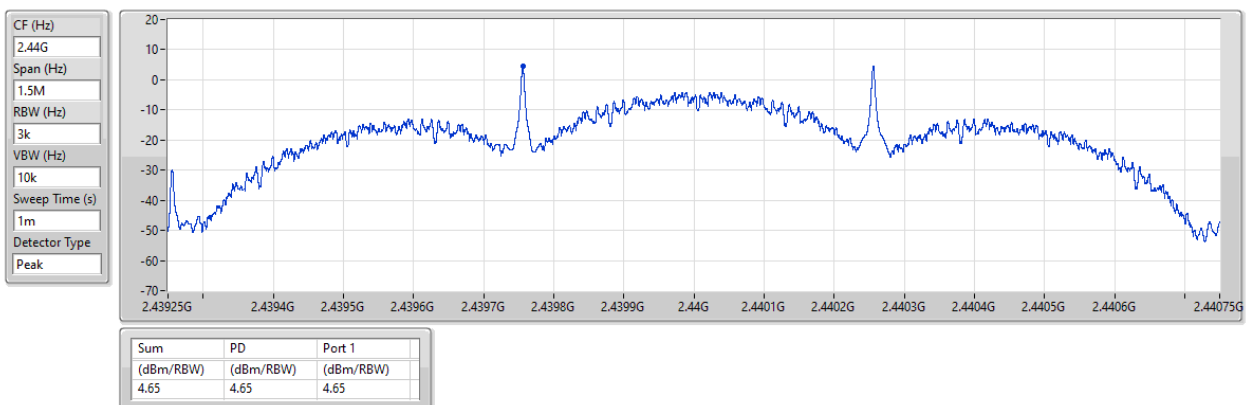


2.4-2.4835GHz_BT-LE(125kbps)

PSD

2440MHz

04/03/2025

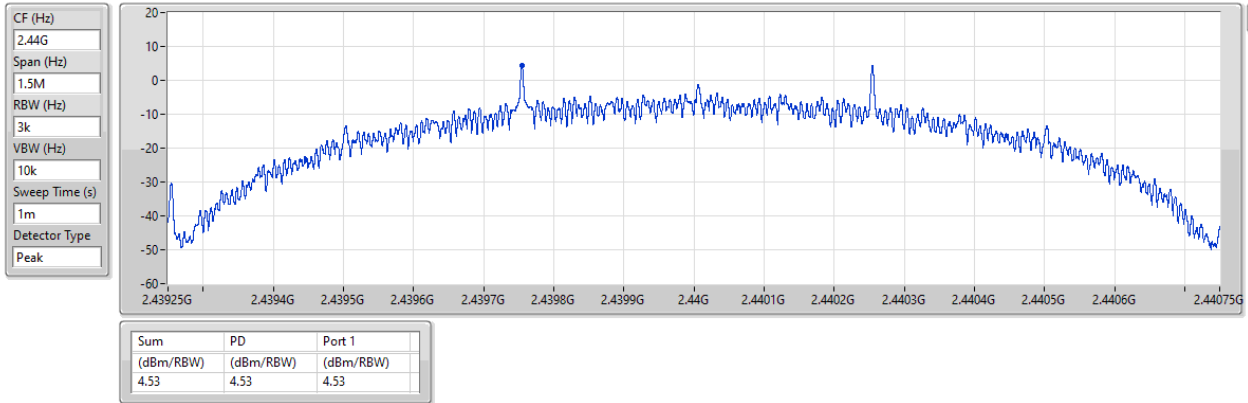


2.4-2.4835GHz_BT-LE(500kbps)

PSD

2440MHz

04/03/2025

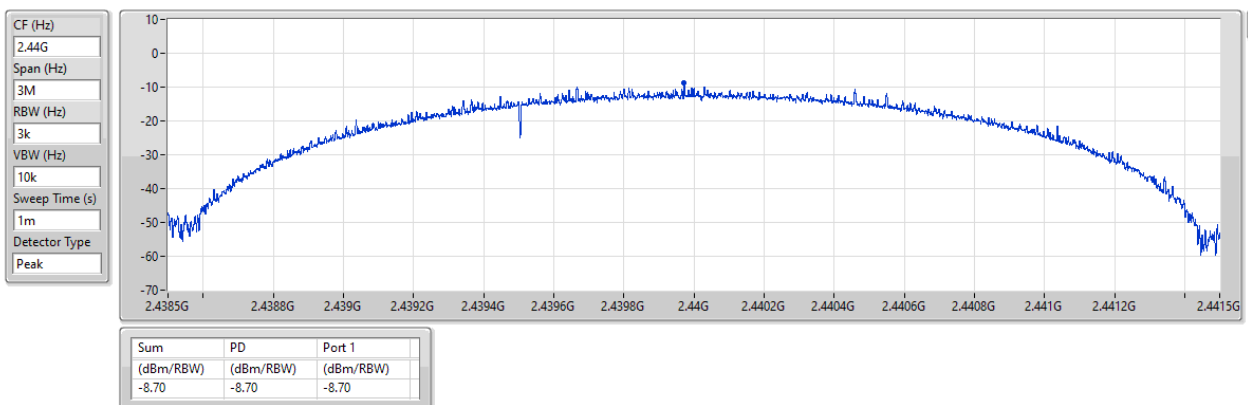


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2440MHz

04/03/2025





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-6.19
BT-LE(125kbps)	4.65
BT-LE(500kbps)	4.53
BT-LE(2Mbps)	-8.70

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	8.00	-6.31	6.00
2440MHz	Pass	8.00	-6.19	6.00
2480MHz	Pass	8.00	-6.68	6.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	8.00	-8.86	6.00
2440MHz	Pass	8.00	-8.70	6.00
2480MHz	Pass	8.00	-9.26	6.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	8.00	4.37	6.00
2440MHz	Pass	8.00	4.65	6.00
2480MHz	Pass	8.00	4.17	6.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	8.00	4.11	6.00
2440MHz	Pass	8.00	4.53	6.00
2480MHz	Pass	8.00	4.05	6.00

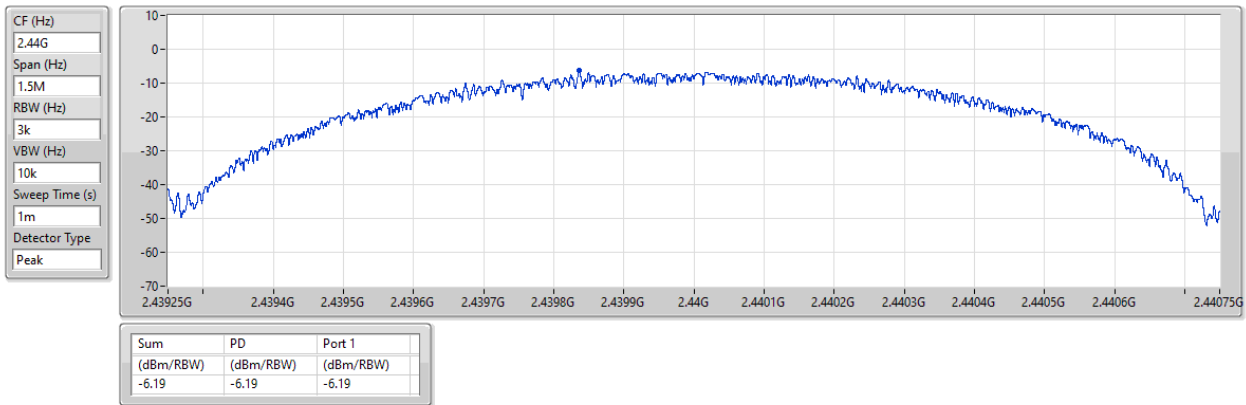
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

04/03/2025

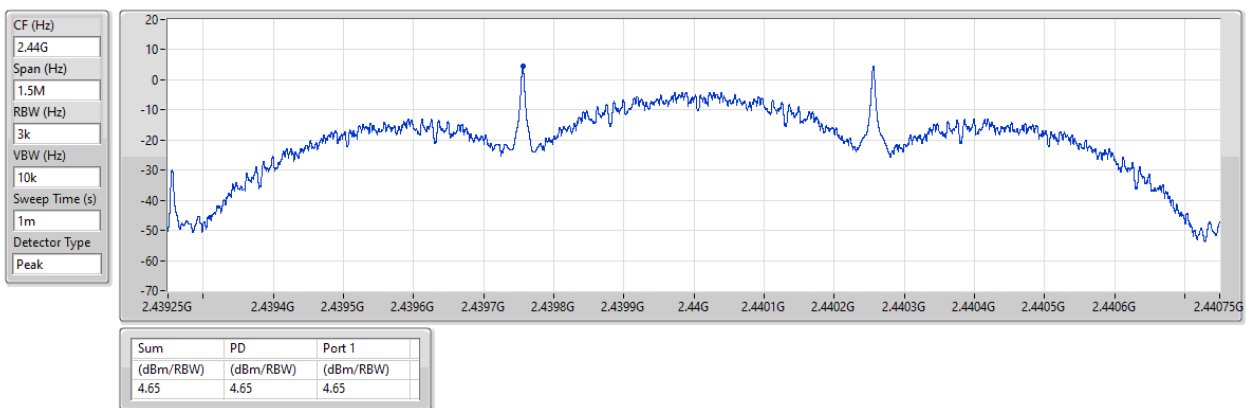


2.4-2.4835GHz_BT-LE(125kbps)

PSD

2440MHz

04/03/2025

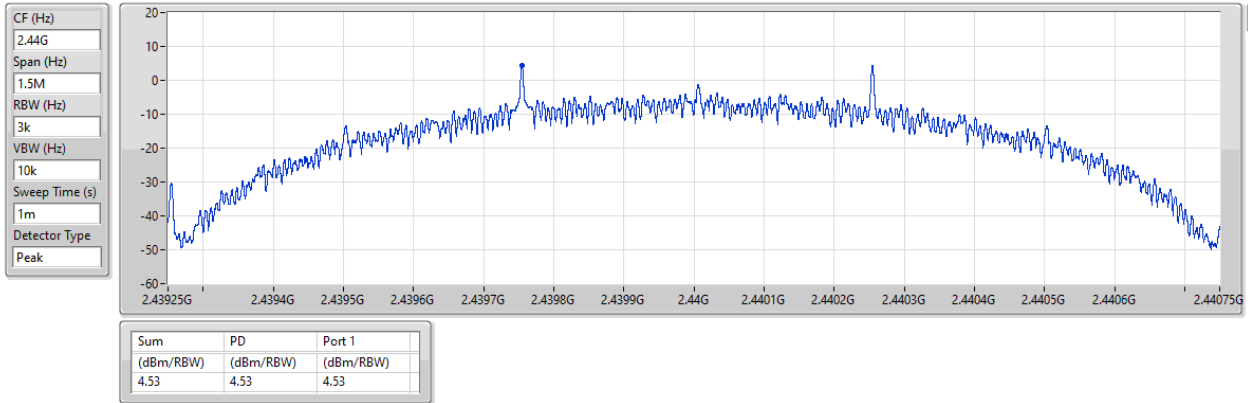


2.4-2.4835GHz_BT-LE(500kbps)

PSD

2440MHz

04/03/2025

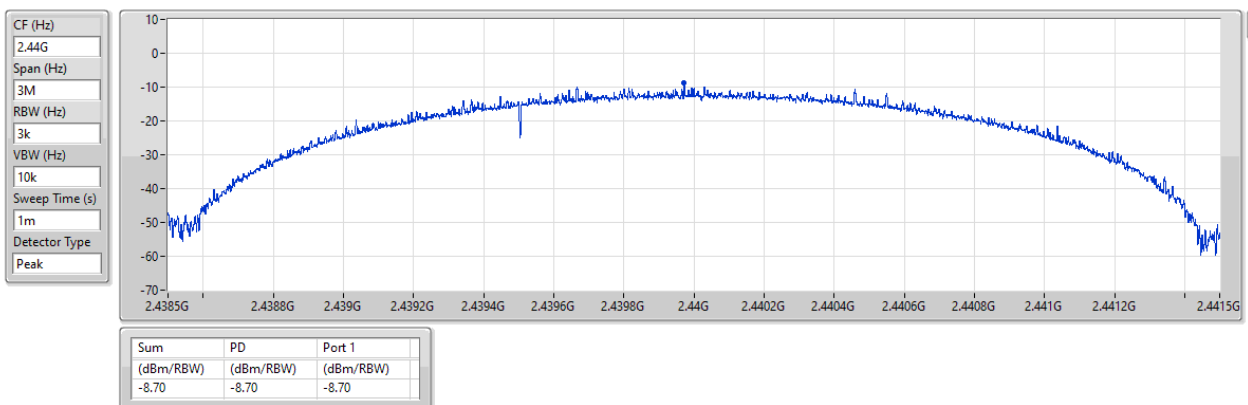


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2440MHz

04/03/2025





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-6.23
BT-LE(2Mbps)	-8.94
BT-LE(125kbps)	1.46
BT-LE(500kbps)	1.28

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	12.52	-6.73	1.48
2440MHz	Pass	12.52	-6.23	1.48
2480MHz	Pass	12.52	-6.97	1.48
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	12.52	-9.23	1.48
2440MHz	Pass	12.52	-8.94	1.48
2480MHz	Pass	12.52	-9.29	1.48
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	12.52	1.31	1.48
2440MHz	Pass	12.52	1.08	1.48
2480MHz	Pass	12.52	1.46	1.48
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	12.52	0.92	1.48
2440MHz	Pass	12.52	0.77	1.48
2480MHz	Pass	12.52	1.28	1.48

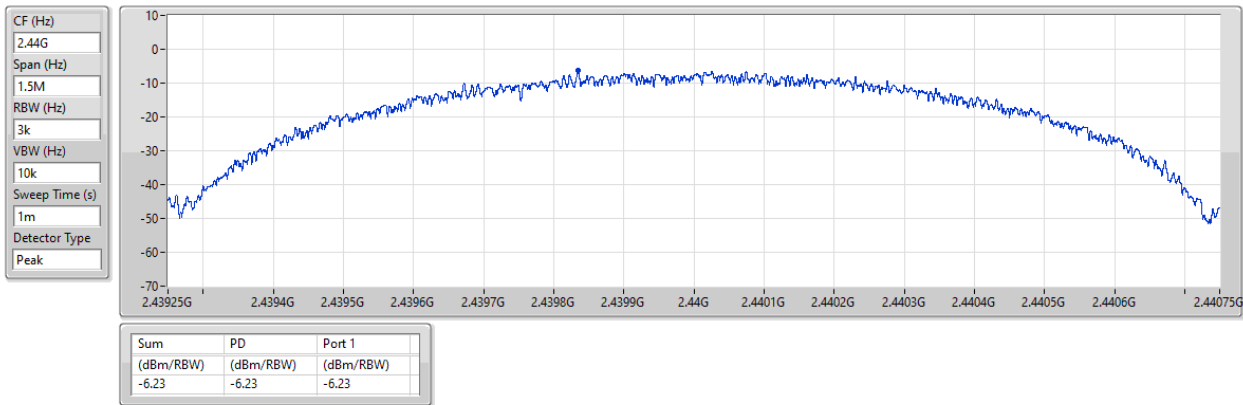
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

06/05/2025

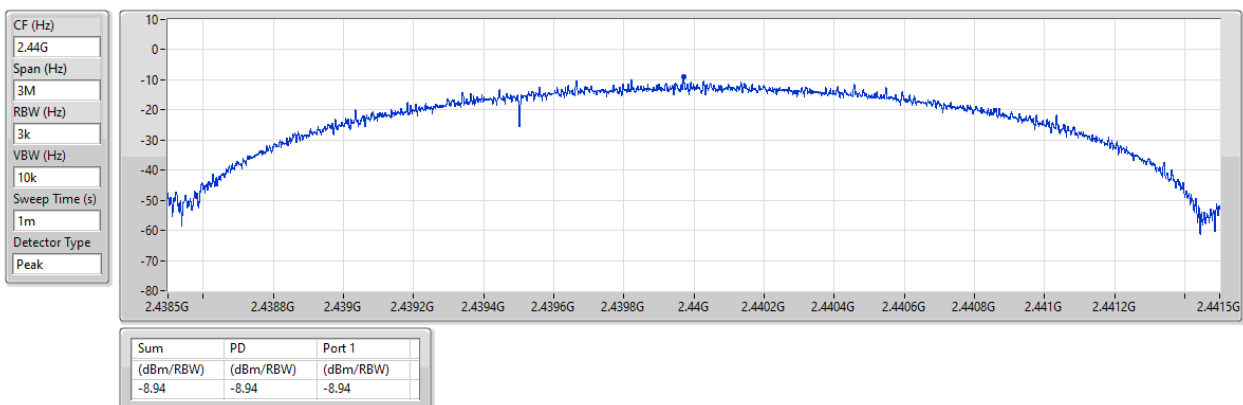


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2440MHz

06/05/2025

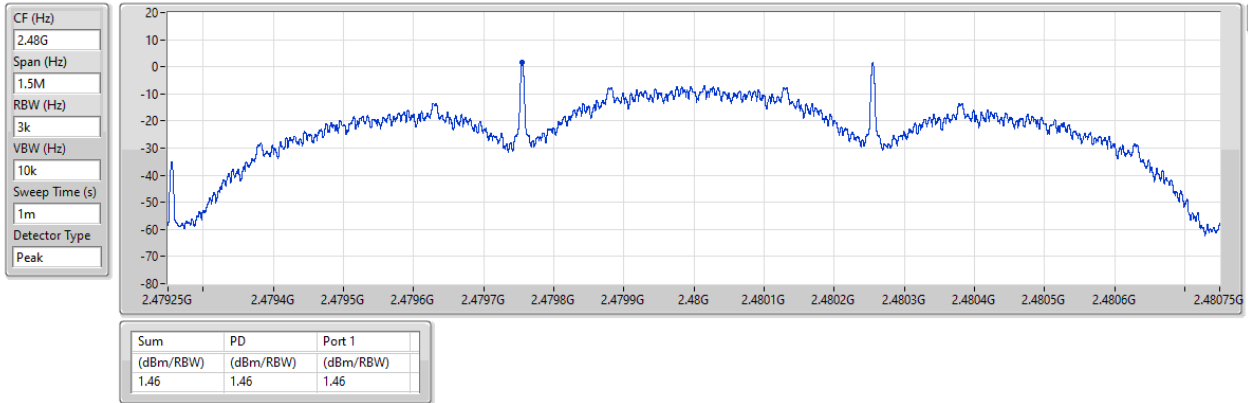


2.4-2.4835GHz_BT-LE(125kbps)

PSD

2480MHz

06/05/2025

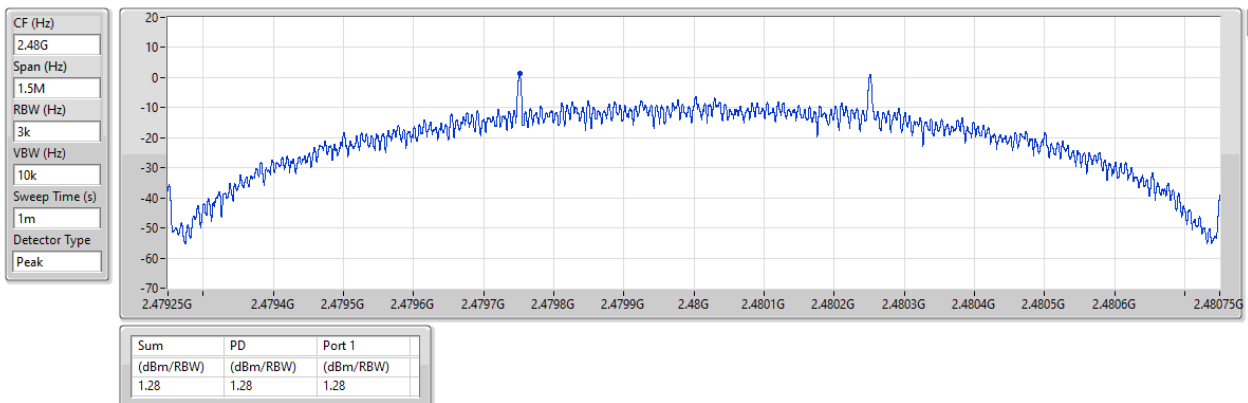


2.4-2.4835GHz_BT-LE(500kbps)

PSD

2480MHz

06/05/2025





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-5.20
BT-LE(125kbps)	5.54
BT-LE(500kbps)	5.43
BT-LE(2Mbps)	-7.92

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.90	-5.39	8.00
2440MHz	Pass	4.90	-5.20	8.00
2480MHz	Pass	4.90	-5.44	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.90	-8.26	8.00
2440MHz	Pass	4.90	-7.92	8.00
2480MHz	Pass	4.90	-8.64	8.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	4.90	5.34	8.00
2440MHz	Pass	4.90	5.54	8.00
2480MHz	Pass	4.90	5.28	8.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	4.90	5.22	8.00
2440MHz	Pass	4.90	5.43	8.00
2480MHz	Pass	4.90	5.01	8.00

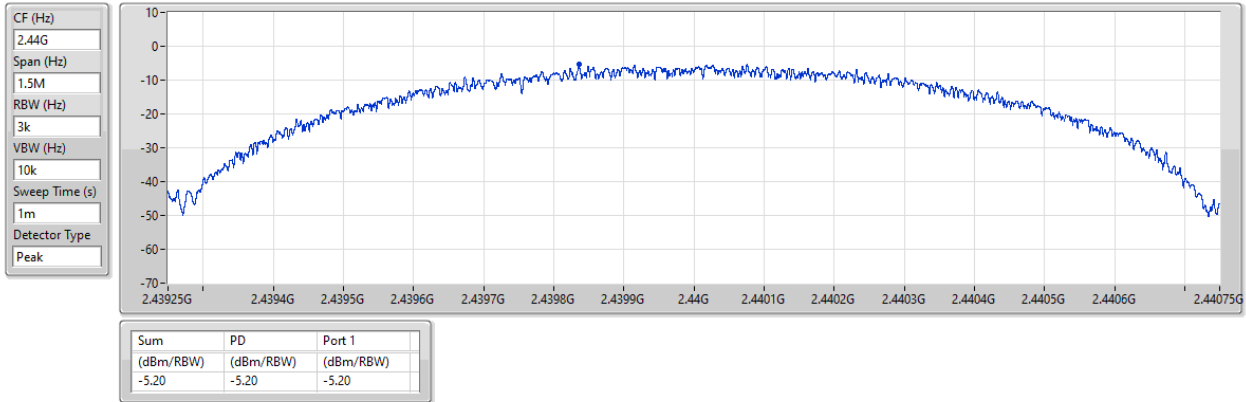
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

04/03/2025

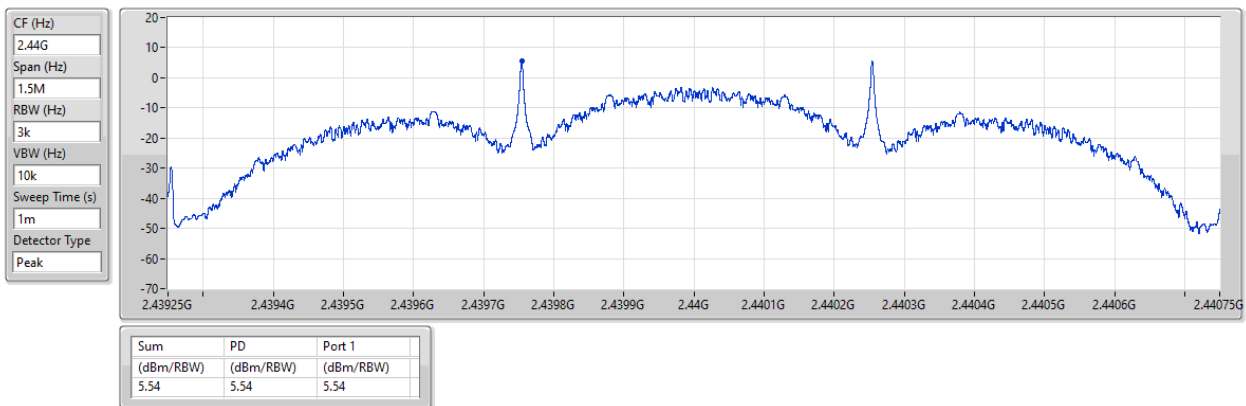


2.4-2.4835GHz_BT-LE(125kbps)

PSD

2440MHz

04/03/2025

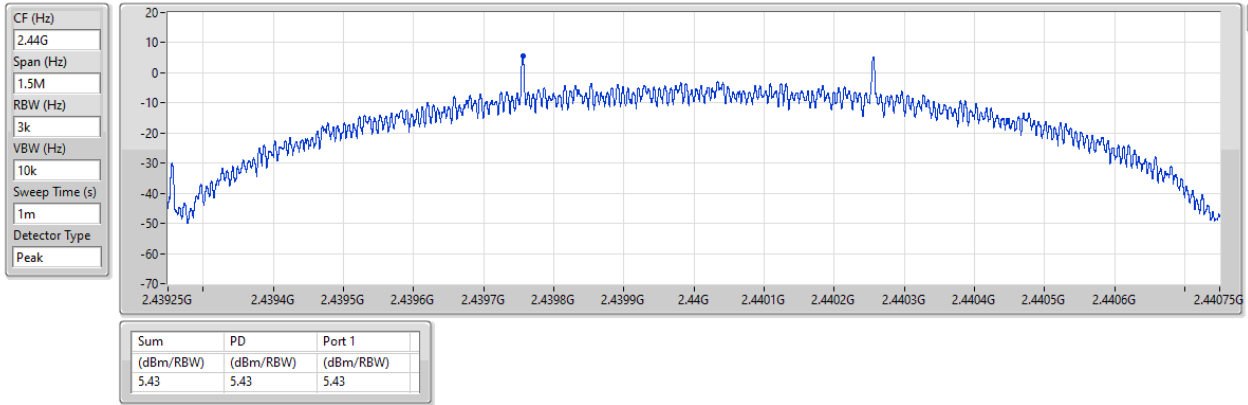


2.4-2.4835GHz_BT-LE(500kbps)

PSD

2440MHz

04/03/2025

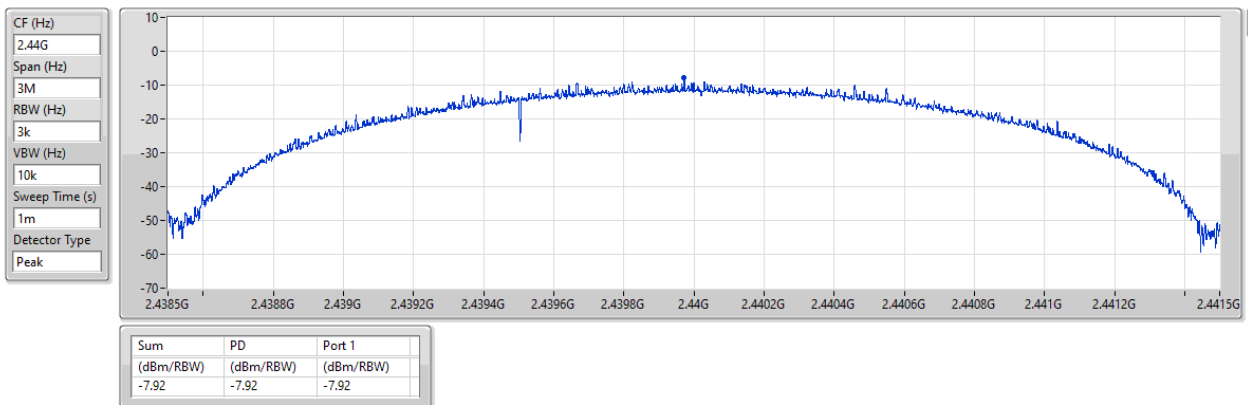


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2440MHz

04/03/2025





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-5.59
BT-LE(125kbps)	4.96
BT-LE(500kbps)	4.58
BT-LE(2Mbps)	-8.30

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.10	-5.59	8.00
2440MHz	Pass	4.10	-5.78	8.00
2480MHz	Pass	4.10	-6.57	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.10	-8.30	8.00
2440MHz	Pass	4.10	-8.32	8.00
2480MHz	Pass	4.10	-8.83	8.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	4.10	4.88	8.00
2440MHz	Pass	4.10	4.96	8.00
2480MHz	Pass	4.10	4.21	8.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	4.10	4.58	8.00
2440MHz	Pass	4.10	4.40	8.00
2480MHz	Pass	4.10	3.97	8.00

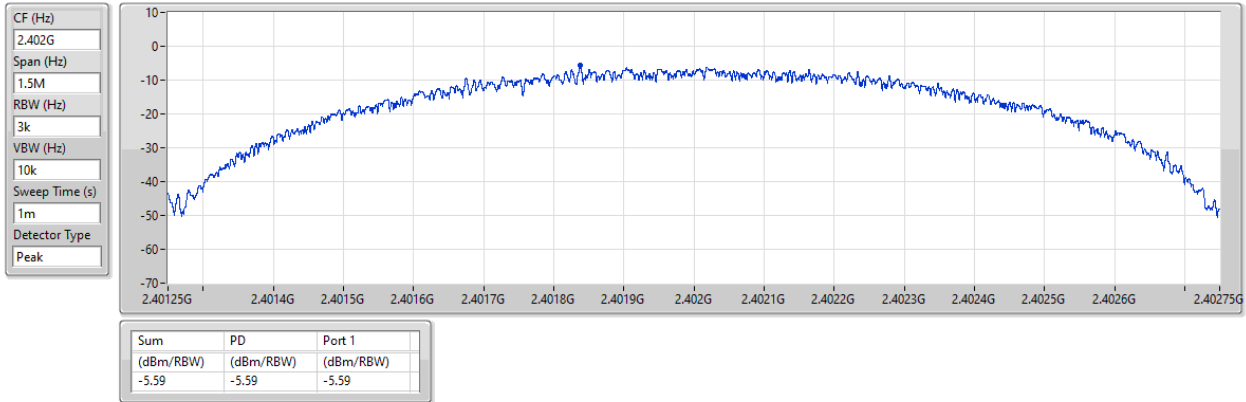
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2402MHz

04/03/2025

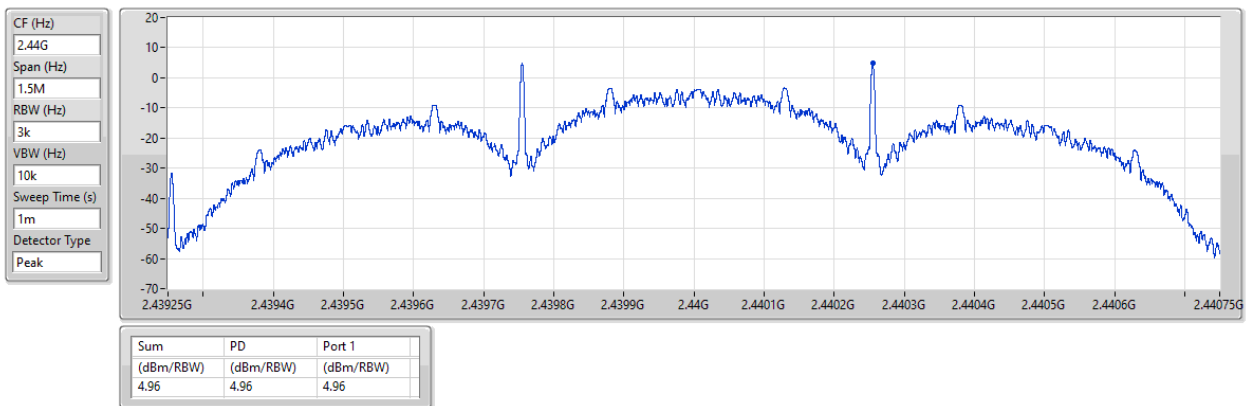


2.4-2.4835GHz_BT-LE(125kbps)

PSD

2440MHz

04/03/2025

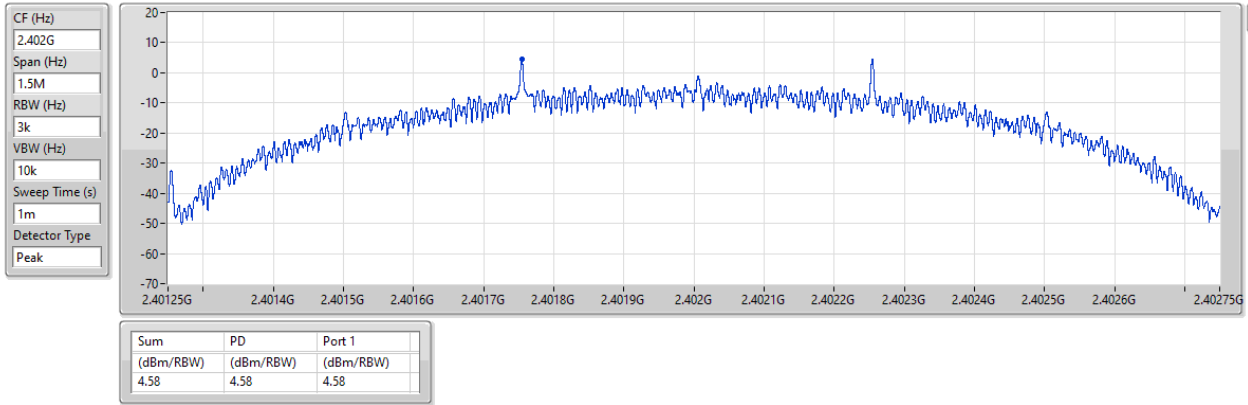


2.4-2.4835GHz_BT-LE(500kbps)

PSD

2402MHz

04/03/2025

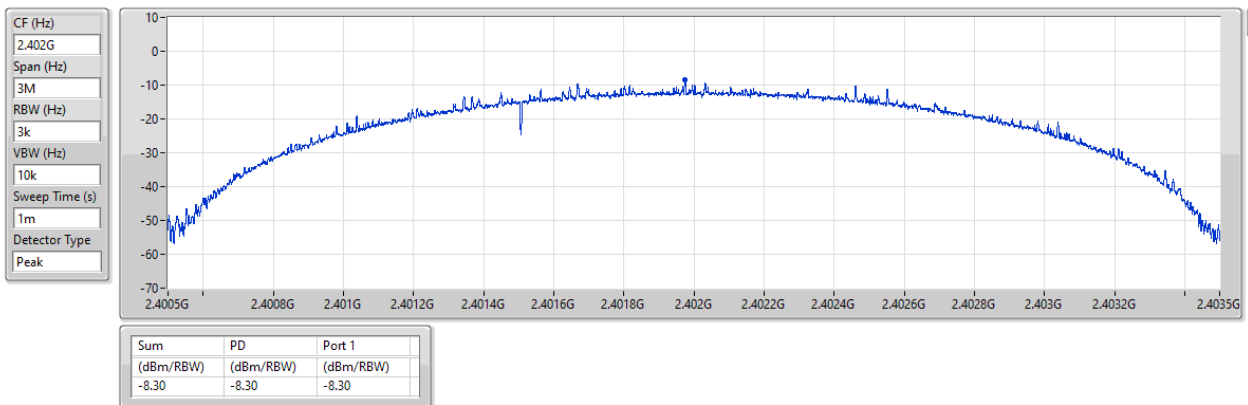


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

04/03/2025



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.44025G	9.95	-20.05	2.10858G	-55.36	2.39992G	-49.60	2.4G	-45.92	2.50318G	-54.48	15.1859G	-44.49	1
BT-LE(125kbps)	Pass	2.44008G	7.39	-22.61	1.8019G	-55.00	2.39988G	-50.51	2.4G	-53.06	2.50234G	-54.19	16.89001G	-44.25	1
BT-LE(500kbps)	Pass	2.43975G	10.23	-19.77	2.1356G	-55.40	2.39996G	-49.39	2.4G	-48.19	2.50062G	-54.51	16.25167G	-44.29	1
BT-LE(2Mbps)	Pass	2.43991G	9.96	-20.04	2.18848G	-55.09	2.4G	-23.03	2.4G	-23.09	2.50306G	-53.87	16.87876G	-44.08	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
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44025G	9.95	-20.05	2.10858G	-55.36	2.39992G	-49.60	2.4G	-45.92	2.50318G	-54.48	15.1859G	-44.49	1
2440MHz	Pass	2.44025G	9.95	-20.05	2.30128G	-55.03	2.3984G	-54.63	2.4G	-54.85	2.50178G	-53.04	16.28261G	-44.04	1
2480MHz	Pass	2.44025G	9.95	-20.05	1.7173G	-55.17	2.3972G	-53.36	2.4G	-56.64	2.50034G	-54.33	23.22559G	-44.41	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	9.96	-20.04	2.18848G	-55.09	2.4G	-23.03	2.4G	-23.09	2.50306G	-53.87	16.87876G	-44.08	1
2440MHz	Pass	2.43991G	9.96	-20.04	2.04278G	-55.35	2.3956G	-53.93	2.4G	-56.43	2.50202G	-52.81	16.30229G	-44.14	1
2480MHz	Pass	2.43991G	9.96	-20.04	2.1497G	-55.37	2.39176G	-54.26	2.4G	-57.06	2.50278G	-53.99	23.25371G	-44.17	1
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44008G	7.39	-22.61	1.8019G	-55.00	2.39988G	-50.51	2.4G	-53.06	2.50234G	-54.19	16.89001G	-44.25	1
2440MHz	Pass	2.44008G	7.39	-22.61	2.12033G	-55.66	2.3908G	-54.50	2.4G	-56.14	2.5035G	-53.44	16.36416G	-44.30	1
2480MHz	Pass	2.44008G	7.39	-22.61	2.16263G	-53.77	2.3974G	-54.91	2.4G	-55.94	2.5003G	-53.59	16.84502G	-44.39	1
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43975G	10.23	-19.77	2.1356G	-55.40	2.39996G	-49.39	2.4G	-48.19	2.50062G	-54.51	16.25167G	-44.29	1
2440MHz	Pass	2.43975G	10.23	-19.77	2.15205G	-55.76	2.39076G	-54.24	2.4G	-55.79	2.50286G	-54.04	15.02843G	-43.88	1
2480MHz	Pass	2.43975G	10.23	-19.77	2.15793G	-56.00	2.394G	-54.52	2.4G	-56.69	2.50118G	-53.82	14.87095G	-43.23	1

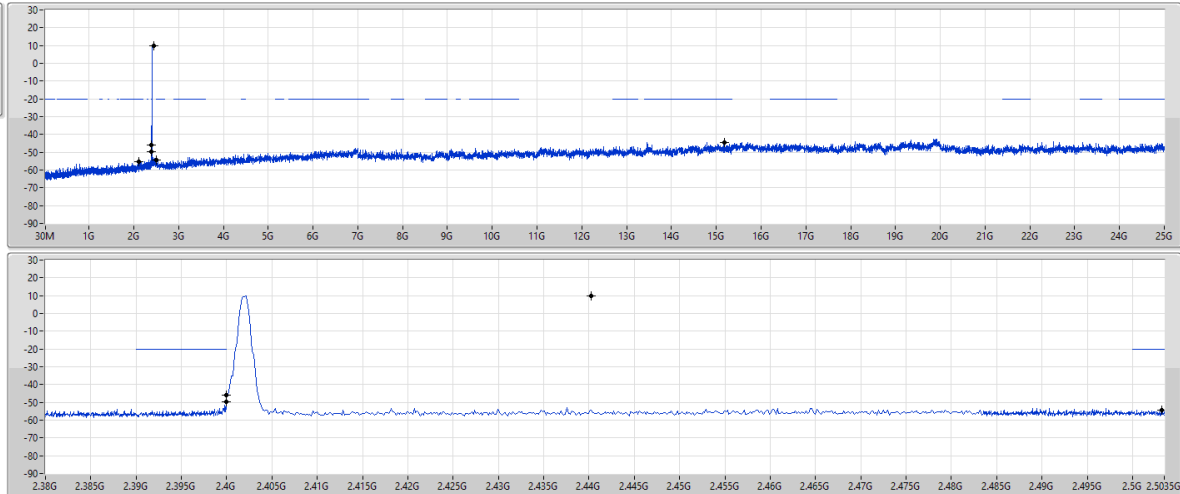
2.4-2.4835GHz_BT-LE(1Mbps)

CSENdB-DTS

2402MHz

04/03/2025

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
2.44025G	9.95	-20.05	2.10858G	-55.36	2.39992G	-49.60	2.4G	-45.92	2.50318G	-54.48	15.1859G	-44.49	1

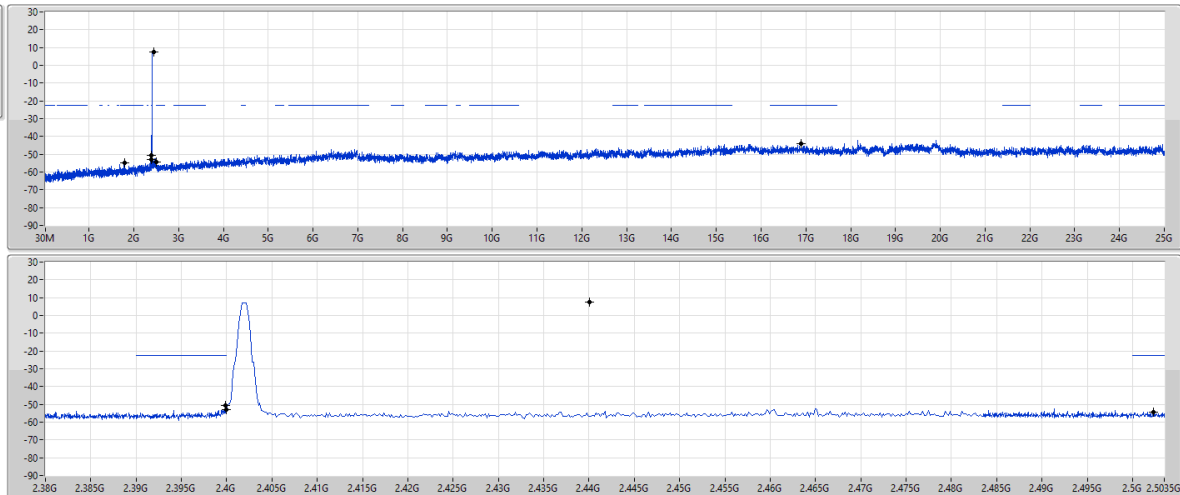
2.4-2.4835GHz_BT-LE(125kbps)

CSENdB-DTS

2402MHz

04/03/2025

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
2.44008G	7.39	-22.61	1.8019G	-55.00	2.39988G	-50.51	2.4G	-53.06	2.50234G	-54.19	16.89001G	-44.25	1

2.4-2.4835GHz_BT-LE(500kbps)

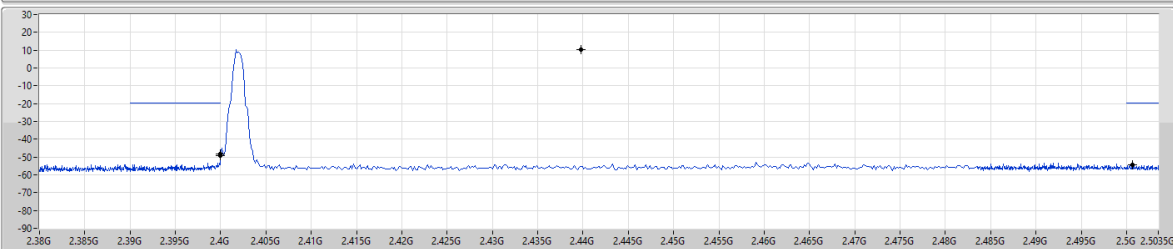
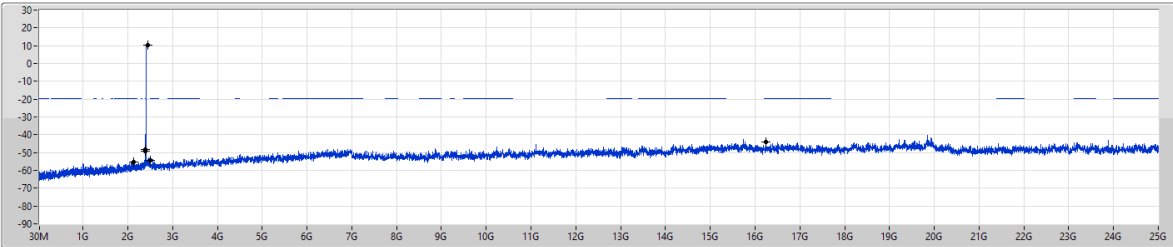
CSEndB-DTS

2402MHz

04/03/2025

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

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
2.43975G	10.23	-19.77	2.1356G	-55.40	2.39996G	-49.39	2.4G	-48.19	2.50062G	-54.51	16.25167G	-44.29	1

2.4-2.4835GHz_BT-LE(2Mbps)

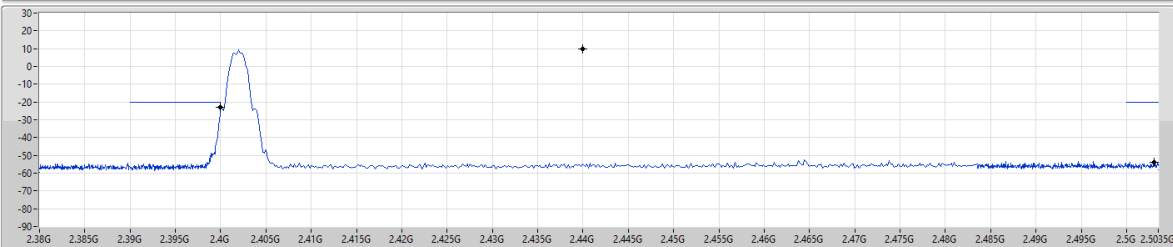
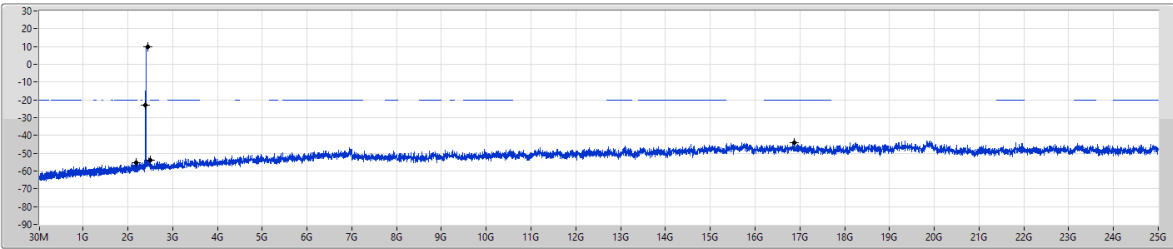
CSEndB-DTS

2402MHz

04/03/2025

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

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
2.43991G	9.96	-20.04	2.18848G	-55.09	2.4G	-23.03	2.4G	-23.09	2.50306G	-53.87	16.87876G	-44.08	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.44025G	9.95	-20.05	2.10858G	-55.36	2.39992G	-49.60	2.4G	-45.92	2.50318G	-54.48	15.1859G	-44.49	1
BT-LE(125kbps)	Pass	2.44008G	7.39	-22.61	1.8019G	-55.00	2.39988G	-50.51	2.4G	-53.06	2.50234G	-54.19	16.89001G	-44.25	1
BT-LE(500kbps)	Pass	2.43975G	10.23	-19.77	2.1356G	-55.40	2.39996G	-49.39	2.4G	-48.19	2.50062G	-54.51	16.25167G	-44.29	1
BT-LE(2Mbps)	Pass	2.43991G	9.96	-20.04	2.18848G	-55.09	2.4G	-23.03	2.4G	-23.09	2.50306G	-53.87	16.87876G	-44.08	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
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44025G	9.95	-20.05	2.10858G	-55.36	2.39992G	-49.60	2.4G	-45.92	2.50318G	-54.48	15.1859G	-44.49	1
2440MHz	Pass	2.44025G	9.95	-20.05	2.30128G	-55.03	2.3984G	-54.63	2.4G	-54.85	2.50178G	-53.04	16.28261G	-44.04	1
2480MHz	Pass	2.44025G	9.95	-20.05	1.7173G	-55.17	2.3972G	-53.36	2.4G	-56.64	2.50034G	-54.33	23.22559G	-44.41	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	9.96	-20.04	2.18848G	-55.09	2.4G	-23.03	2.4G	-23.09	2.50306G	-53.87	16.87876G	-44.08	1
2440MHz	Pass	2.43991G	9.96	-20.04	2.04278G	-55.35	2.3956G	-53.93	2.4G	-56.43	2.50202G	-52.81	16.30229G	-44.14	1
2480MHz	Pass	2.43991G	9.96	-20.04	2.1497G	-55.37	2.39176G	-54.26	2.4G	-57.06	2.50278G	-53.99	23.25371G	-44.17	1
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44008G	7.39	-22.61	1.8019G	-55.00	2.39988G	-50.51	2.4G	-53.06	2.50234G	-54.19	16.89001G	-44.25	1
2440MHz	Pass	2.44008G	7.39	-22.61	2.12033G	-55.66	2.3908G	-54.50	2.4G	-56.14	2.5035G	-53.44	16.36416G	-44.30	1
2480MHz	Pass	2.44008G	7.39	-22.61	2.16263G	-53.77	2.3974G	-54.91	2.4G	-55.94	2.5003G	-53.59	16.84502G	-44.39	1
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43975G	10.23	-19.77	2.1356G	-55.40	2.39996G	-49.39	2.4G	-48.19	2.50062G	-54.51	16.25167G	-44.29	1
2440MHz	Pass	2.43975G	10.23	-19.77	2.15205G	-55.76	2.39076G	-54.24	2.4G	-55.79	2.50286G	-54.04	15.02843G	-43.88	1
2480MHz	Pass	2.43975G	10.23	-19.77	2.15793G	-56.00	2.394G	-54.52	2.4G	-56.69	2.50118G	-53.82	14.87095G	-43.23	1

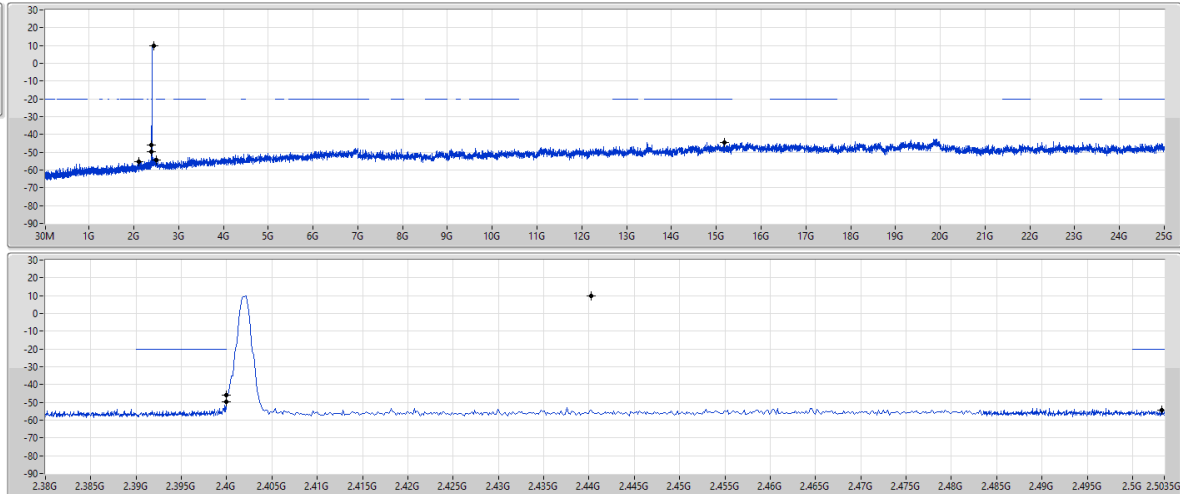
2.4-2.4835GHz_BT-LE(1Mbps)

CSENdB-DTS

2402MHz

04/03/2025

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
2.44025G	9.95	-20.05	2.10858G	-55.36	2.39992G	-49.60	2.4G	-45.92	2.50318G	-54.48	15.1859G	-44.49	1

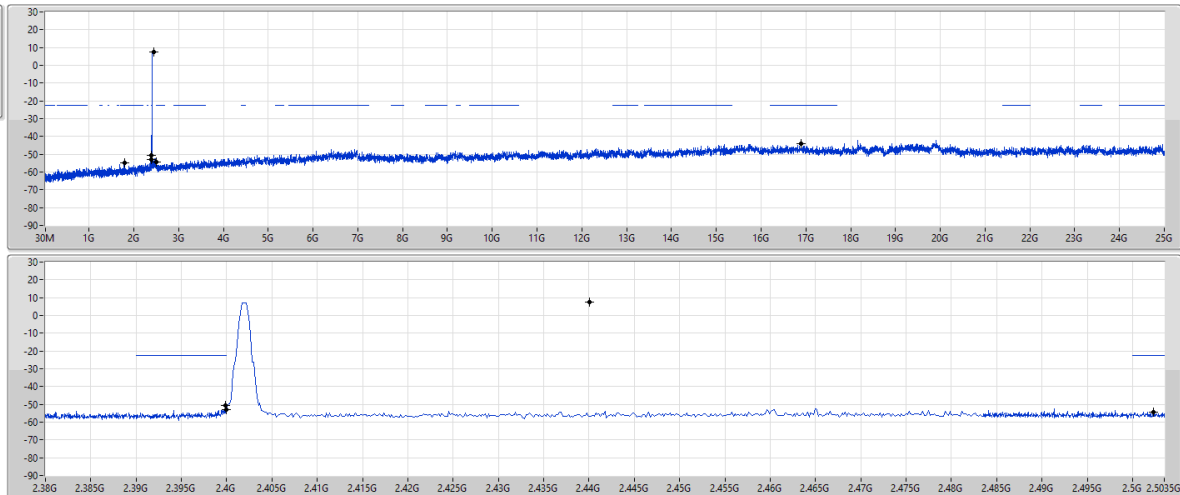
2.4-2.4835GHz_BT-LE(125kbps)

CSENdB-DTS

2402MHz

04/03/2025

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



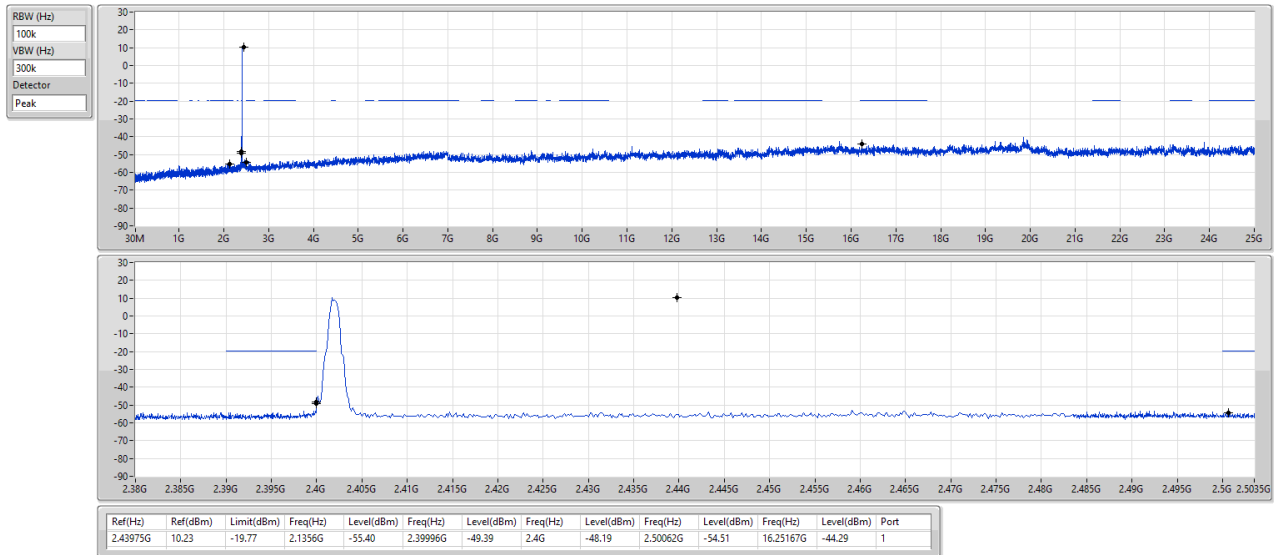
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44008G	7.39	-22.61	1.8019G	-55.00	2.39988G	-50.51	2.4G	-53.06	2.50234G	-54.19	16.89001G	-44.25	1

2.4-2.4835GHz_BT-LE(500kbps)

CSEndB-DTS

2402MHz

04/03/2025

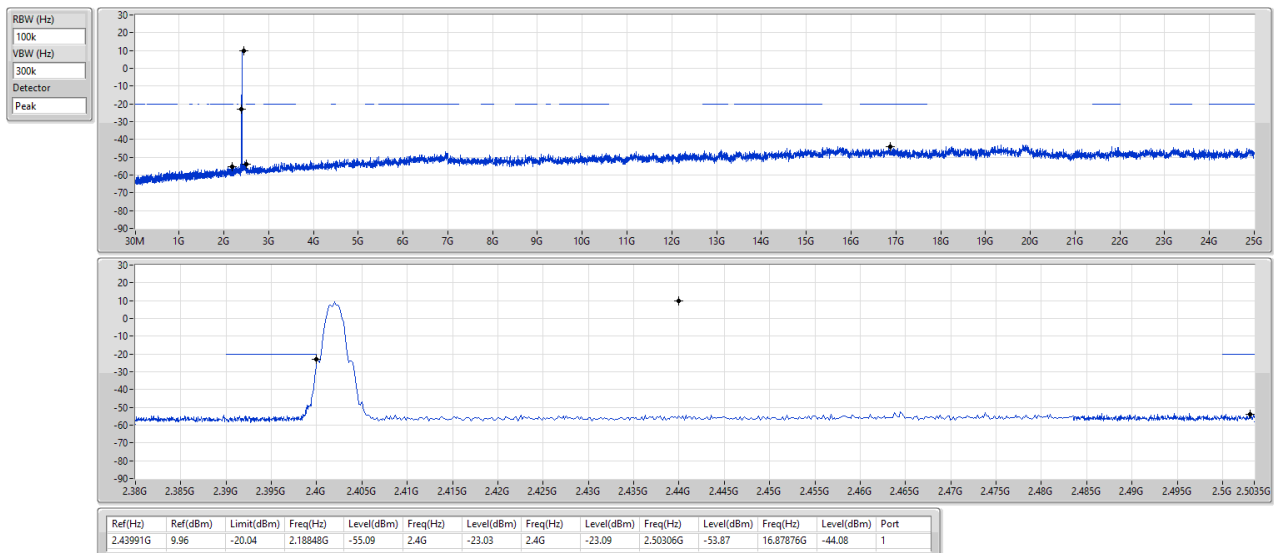


2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

04/03/2025





Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.44025G	10.21	-19.79	2.1121G	-56.40	2.4G	-48.36	2.4G	-47.04	2.50218G	-55.13	17.64083G	-42.45	1
BT-LE(2Mbps)	Pass	2.44041G	9.50	-20.50	773.78M	-56.74	2.4G	-22.78	2.4G	-23.36	2.50086G	-54.70	17.61552G	-43.43	1
BT-LE(125kbps)	Pass	2.48016G	4.25	-25.75	863.08M	-56.75	2.39236G	-54.43	2.4G	-57.78	2.5011G	-55.02	23.3212G	-42.51	1
BT-LE(500kbps)	Pass	2.47983G	7.63	-22.37	1.98168G	-57.29	2.39988G	-55.03	2.4G	-53.60	2.50074G	-55.66	21.67333G	-43.08	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
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44025G	10.21	-19.79	2.1121G	-56.40	2.4G	-48.36	2.4G	-47.04	2.50218G	-55.13	17.64083G	-42.45	1
2440MHz	Pass	2.44025G	10.21	-19.79	2.1121G	-56.59	2.39312G	-55.63	2.4G	-57.50	2.50194G	-54.79	16.3051G	-42.99	1
2480MHz	Pass	2.44025G	10.21	-19.79	2.1309G	-57.26	2.39636G	-55.54	2.4G	-57.16	2.5005G	-55.62	16.21793G	-43.36	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44041G	9.50	-20.50	773.78M	-56.74	2.4G	-22.78	2.4G	-23.36	2.50086G	-54.70	17.61552G	-43.43	1
2440MHz	Pass	2.44041G	9.50	-20.50	2.13913G	-57.35	2.39824G	-54.62	2.4G	-56.52	2.50286G	-55.54	17.64364G	-43.33	1
2480MHz	Pass	2.44041G	9.50	-20.50	919.48M	-57.19	2.39572G	-55.81	2.4G	-57.44	2.50066G	-54.73	16.2348G	-43.24	1
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.48016G	4.25	-25.75	2.1309G	-56.43	2.39732G	-54.97	2.4G	-57.02	2.50266G	-55.33	16.85908G	-43.72	1
2440MHz	Pass	2.48016G	4.25	-25.75	2.08508G	-57.03	2.39192G	-55.09	2.4G	-57.83	2.5019G	-55.31	23.29589G	-43.34	1
2480MHz	Pass	2.48016G	4.25	-25.75	863.08M	-56.75	2.39236G	-54.43	2.4G	-57.78	2.5011G	-55.02	23.3212G	-42.51	1
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.47983G	7.63	-22.37	1.98168G	-57.29	2.39988G	-55.03	2.4G	-53.60	2.50074G	-55.66	21.67333G	-43.08	1
2440MHz	Pass	2.47983G	7.63	-22.37	774.95M	-57.05	2.39484G	-55.39	2.4G	-56.70	2.50214G	-55.73	17.6577G	-42.76	1
2480MHz	Pass	2.47983G	7.63	-22.37	770.25M	-57.20	2.39524G	-55.87	2.4G	-57.36	2.50002G	-55.25	23.30995G	-43.30	1

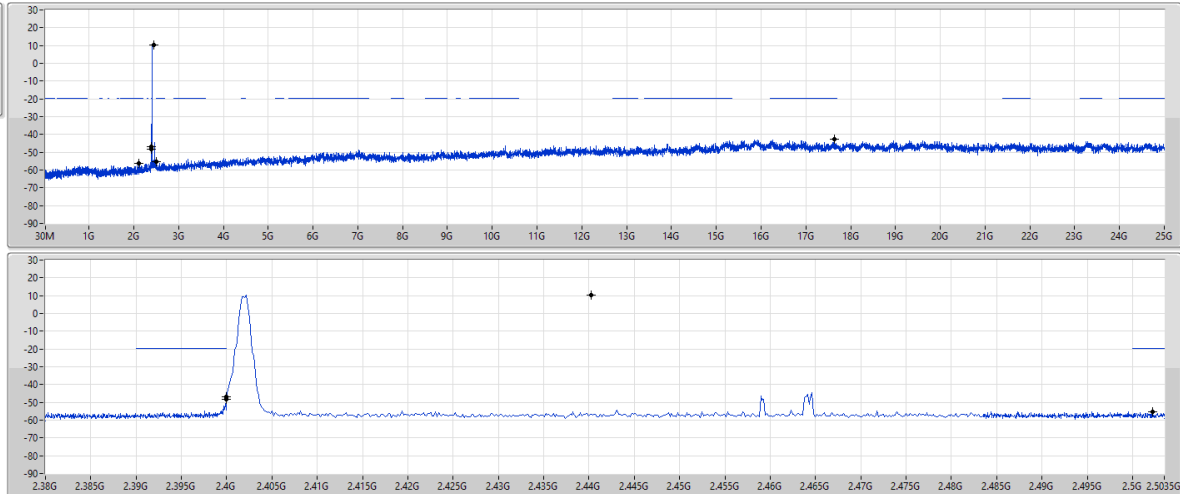
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

06/05/2025

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
2.44025G	10.21	-19.79	2.1121G	-56.40	2.4G	-48.36	2.4G	-47.04	2.50218G	-55.13	17.64083G	-42.45	1

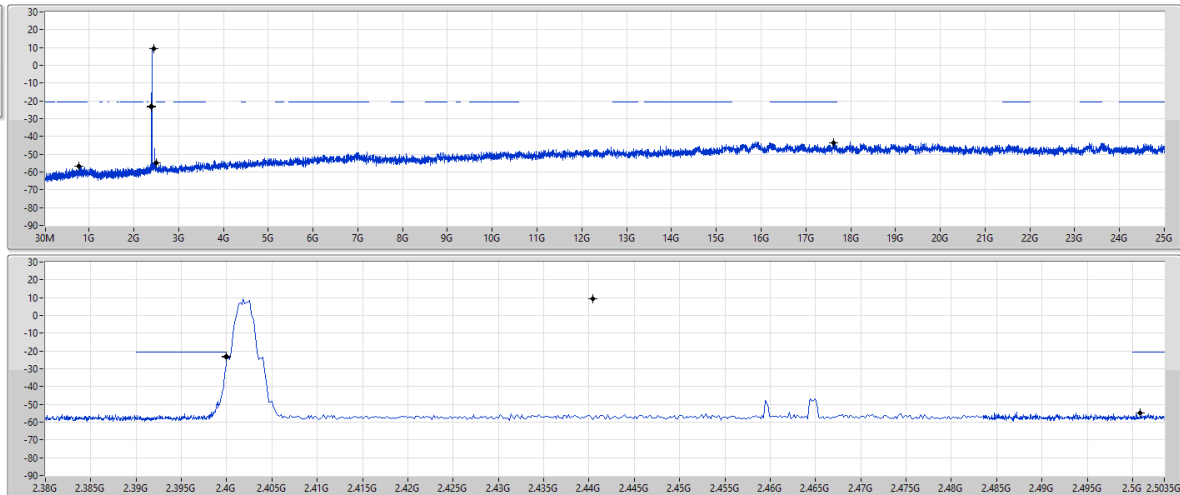
2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

06/05/2025

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

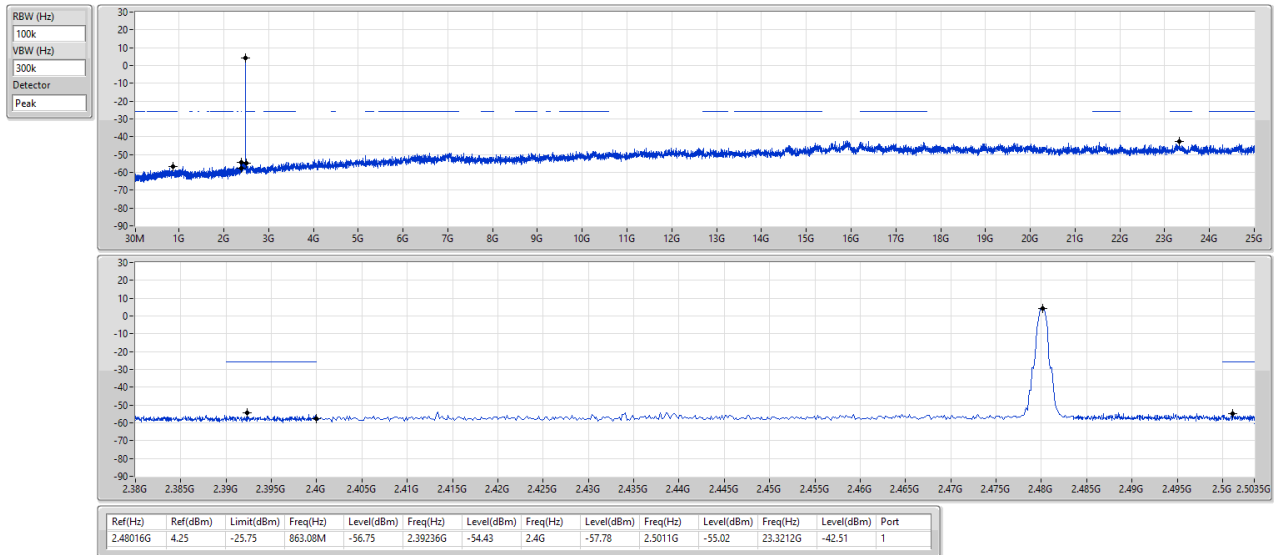


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44041G	9.50	-20.50	773.78M	-56.74	2.4G	-22.78	2.4G	-23.36	2.50086G	-54.70	17.61552G	-43.43	1

2.4-2.4835GHz_BT-LE(125kbps)

CSEndB-DTS

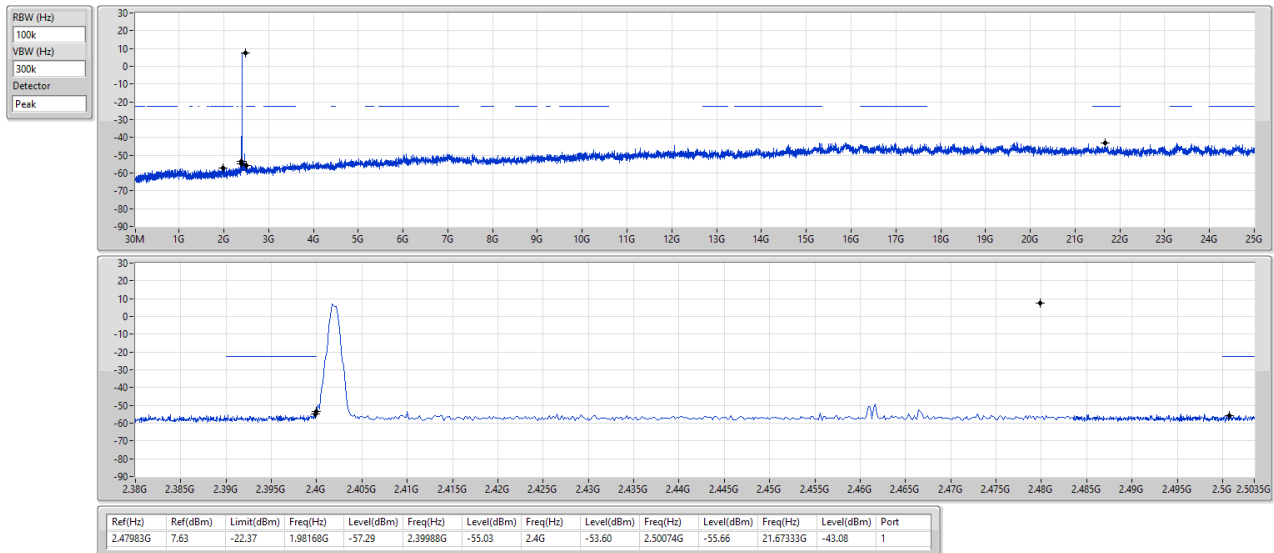
2480MHz



2.4-2.4835GHz_BT-LE(500kbps)

CSEndB-DTS

2402MHz





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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.44025G	11.71	-18.29	2.1074G	-55.14	2.39988G	-48.28	2.4G	-53.88	2.50114G	-53.51	16.59756G	-42.78	1
BT-LE(125kbps)	Pass	2.44008G	8.37	-21.63	2.30833G	-54.57	2.39992G	-51.38	2.4G	-44.52	2.50278G	-53.13	14.92719G	-42.92	1
BT-LE(500kbps)	Pass	2.43991G	10.83	-19.17	2.1168G	-54.81	2.39988G	-49.93	2.4G	-47.05	2.50182G	-53.55	16.28823G	-43.98	1
BT-LE(2Mbps)	Pass	2.44008G	9.68	-20.32	1.91823G	-55.04	2.4G	-21.72	2.4G	-21.71	2.50286G	-53.07	16.93782G	-42.93	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
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44025G	11.71	-18.29	2.1074G	-55.14	2.39988G	-48.28	2.4G	-53.88	2.50114G	-53.51	16.59756G	-42.78	1
2440MHz	Pass	2.44025G	11.71	-18.29	2.15088G	-55.53	2.4G	-53.69	2.4G	-55.34	2.50318G	-53.93	16.59475G	-43.39	1
2480MHz	Pass	2.44025G	11.71	-18.29	1.769G	-55.17	2.39588G	-54.05	2.4G	-55.52	2.50226G	-52.50	16.89001G	-42.41	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44008G	9.68	-20.32	1.91823G	-55.04	2.4G	-21.72	2.4G	-21.71	2.50286G	-53.07	16.93782G	-42.93	1
2440MHz	Pass	2.44008G	9.68	-20.32	2.12033G	-54.87	2.39368G	-53.73	2.4G	-56.56	2.50158G	-51.73	23.5546G	-42.32	1
2480MHz	Pass	2.44008G	9.68	-20.32	1.95348G	-54.93	2.39436G	-53.64	2.4G	-56.34	2.50202G	-53.62	17.03343G	-43.69	1
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44008G	8.37	-21.63	2.30833G	-54.57	2.39992G	-51.38	2.4G	-44.52	2.50278G	-53.13	14.92719G	-42.92	1
2440MHz	Pass	2.44008G	8.37	-21.63	2.18143G	-54.31	2.39244G	-54.32	2.4G	-55.83	2.50078G	-53.40	24.9297G	-41.90	1
2480MHz	Pass	2.44008G	8.37	-21.63	2.1826G	-54.49	2.39056G	-53.98	2.4G	-55.76	2.50238G	-52.88	23.53492G	-43.52	1
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	10.83	-19.17	2.1168G	-54.81	2.39988G	-49.93	2.4G	-47.05	2.50182G	-53.55	16.28823G	-43.98	1
2440MHz	Pass	2.43991G	10.83	-19.17	2.30715G	-54.31	2.39604G	-53.44	2.4G	-54.58	2.50102G	-52.92	21.84205G	-43.23	1
2480MHz	Pass	2.43991G	10.83	-19.17	2.10858G	-55.21	2.39552G	-53.69	2.4G	-55.58	2.50306G	-52.86	23.21996G	-43.80	1

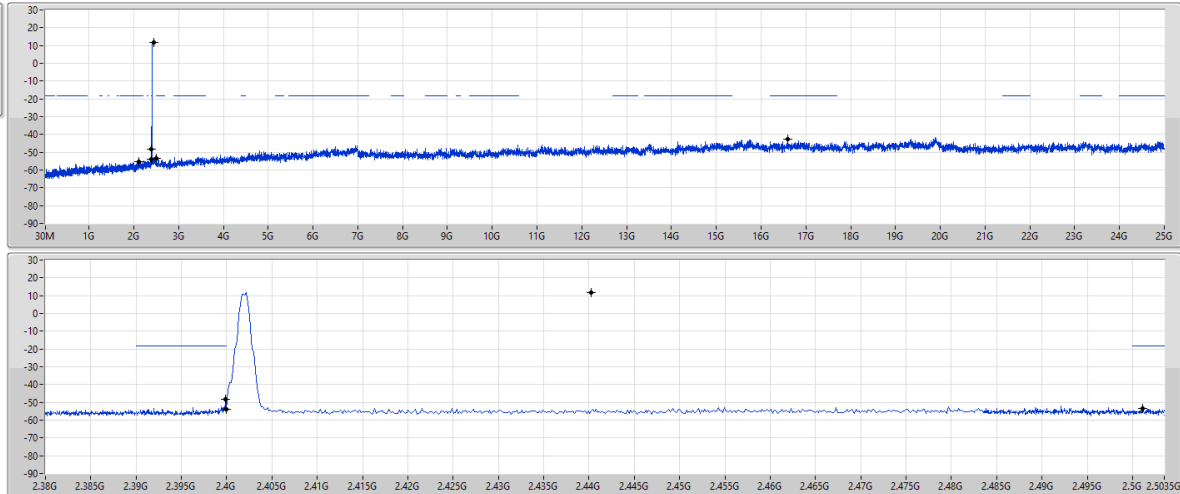
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

04/03/2025

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
2.44025G	11.71	-18.29	2.1074G	-55.14	2.39988G	-48.28	2.4G	-53.88	2.50114G	-53.51	16.59756G	-42.78	1

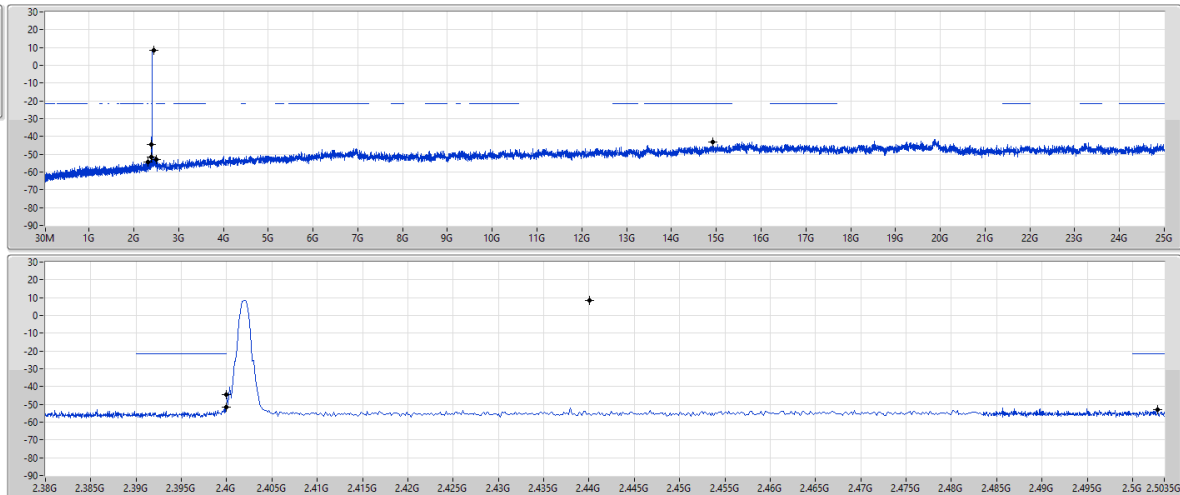
2.4-2.4835GHz_BT-LE(125kbps)

CSEndB-DTS

2402MHz

04/03/2025

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
2.44008G	8.37	-21.63	2.30833G	-54.57	2.39992G	-51.38	2.4G	-44.52	2.50278G	-53.13	14.92719G	-42.92	1

2.4-2.4835GHz_BT-LE(500kbps)

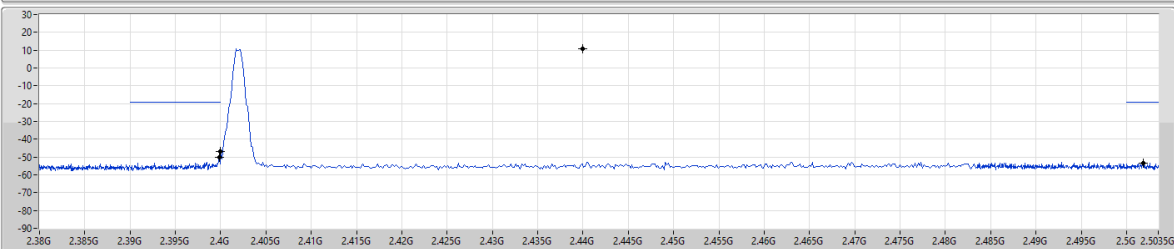
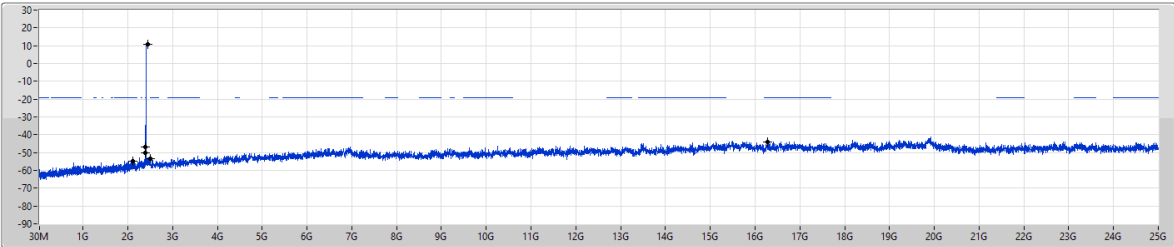
CSEndB-DTS

2402MHz

04/03/2025

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

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
2.43991G	10.83	-19.17	2.1168G	-54.81	2.39988G	-49.93	2.4G	-47.05	2.50182G	-53.35	16.28823G	-43.98	1

2.4-2.4835GHz_BT-LE(2Mbps)

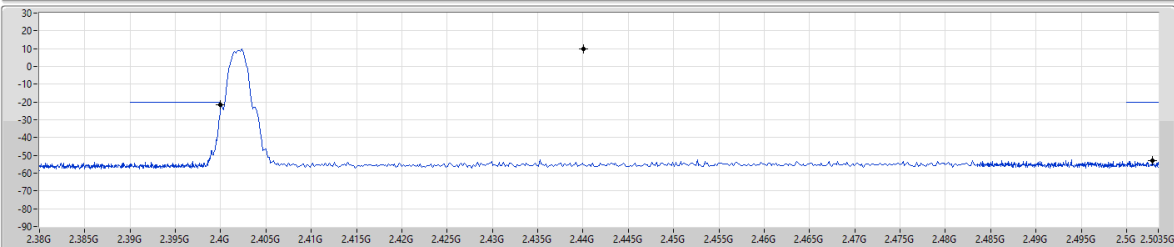
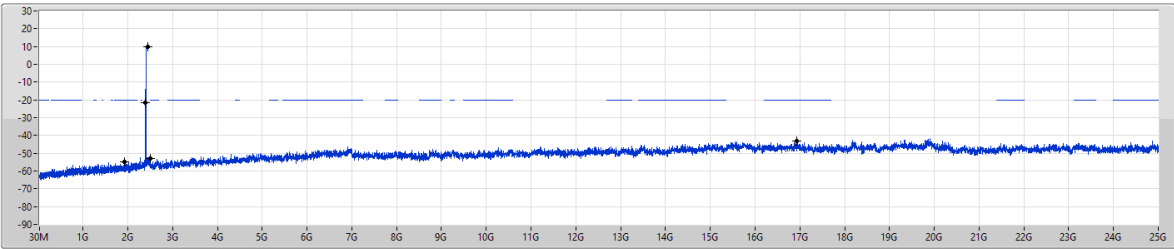
CSEndB-DTS

2402MHz

04/03/2025

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

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
2.44008G	9.68	-20.32	1.91823G	-55.04	2.4G	-21.72	2.4G	-21.71	2.50286G	-53.07	16.93782G	-42.93	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.40217G	10.25	-19.75	800.8M	-54.73	2.39992G	-51.05	2.4G	-47.87	2.50214G	-52.91	16.8169G	-43.46	1
BT-LE(125kbps)	Pass	2.44008G	7.76	-22.24	2.30833G	-54.43	2.39956G	-52.03	2.4G	-52.93	2.50198G	-52.96	23.23684G	-43.65	1
BT-LE(500kbps)	Pass	2.40167G	10.33	-19.67	2.13913G	-54.93	2.39984G	-51.66	2.4G	-52.98	2.5023G	-53.67	15.08186G	-43.47	1
BT-LE(2Mbps)	Pass	2.40234G	10.14	-19.86	2.1732G	-53.30	2.4G	-22.88	2.4G	-23.08	2.50082G	-53.58	16.86189G	-43.45	1

Result

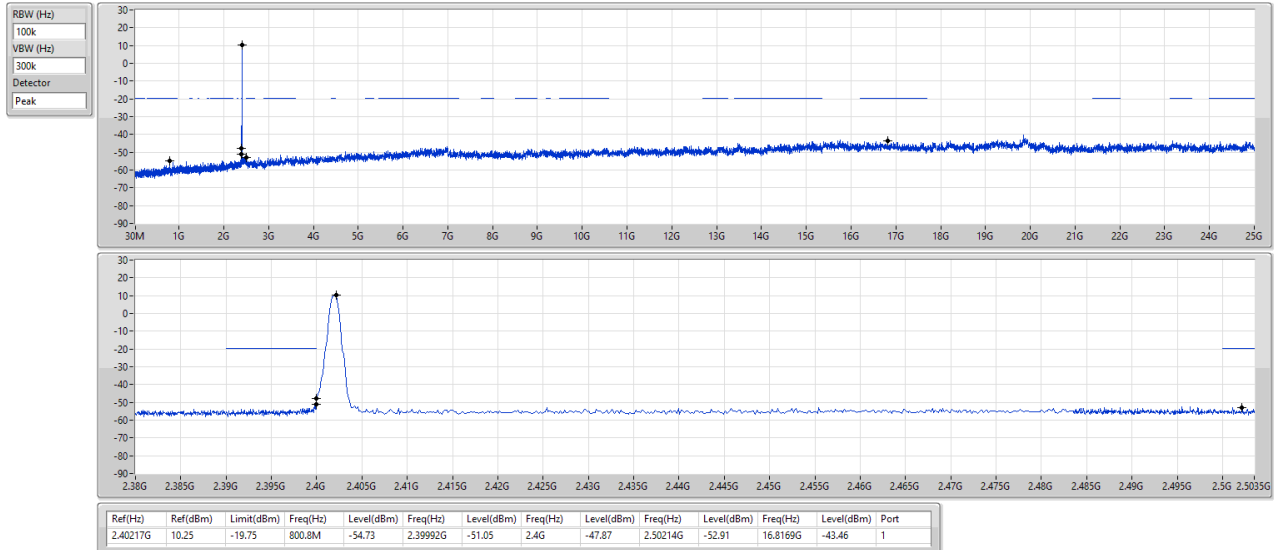
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40217G	10.25	-19.75	800.8M	-54.73	2.39992G	-51.05	2.4G	-47.87	2.50214G	-52.91	16.8169G	-43.46	1
2440MHz	Pass	2.40217G	10.25	-19.75	2.17555G	-54.52	2.3908G	-53.37	2.4G	-56.76	2.50302G	-53.47	16.54413G	-43.61	1
2480MHz	Pass	2.40217G	10.25	-19.75	2.14735G	-54.81	2.397G	-53.76	2.4G	-56.15	2.50018G	-53.49	24.87346G	-42.82	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40234G	10.14	-19.86	2.1732G	-53.30	2.4G	-22.88	2.4G	-23.08	2.50082G	-53.58	16.86189G	-43.45	1
2440MHz	Pass	2.40234G	10.14	-19.86	1.79485G	-54.71	2.39748G	-53.19	2.4G	-56.94	2.50026G	-53.47	16.47945G	-42.94	1
2480MHz	Pass	2.40234G	10.14	-19.86	2.15558G	-54.64	2.395G	-54.23	2.4G	-54.56	2.50122G	-53.96	16.90688G	-43.65	1
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44008G	7.76	-22.24	2.30833G	-54.43	2.39956G	-52.03	2.4G	-52.93	2.50198G	-52.96	23.23684G	-43.65	1
2440MHz	Pass	2.44008G	7.76	-22.24	2.10505G	-54.60	2.39052G	-53.46	2.4G	-57.01	2.5011G	-53.42	16.561G	-43.13	1
2480MHz	Pass	2.44008G	7.76	-22.24	2.1356G	-54.74	2.391G	-53.40	2.4G	-55.89	2.5029G	-53.50	23.53492G	-43.05	1
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40167G	10.33	-19.67	2.13913G	-54.93	2.39984G	-51.66	2.4G	-52.98	2.5023G	-53.67	15.08186G	-43.47	1
2440MHz	Pass	2.40167G	10.33	-19.67	2.07685G	-54.86	2.39312G	-53.30	2.4G	-55.42	2.50222G	-53.16	24.91845G	-43.27	1
2480MHz	Pass	2.40167G	10.33	-19.67	2.11915G	-55.03	2.39536G	-53.96	2.4G	-55.90	2.50006G	-53.11	16.45133G	-43.42	1

2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

04/03/2025

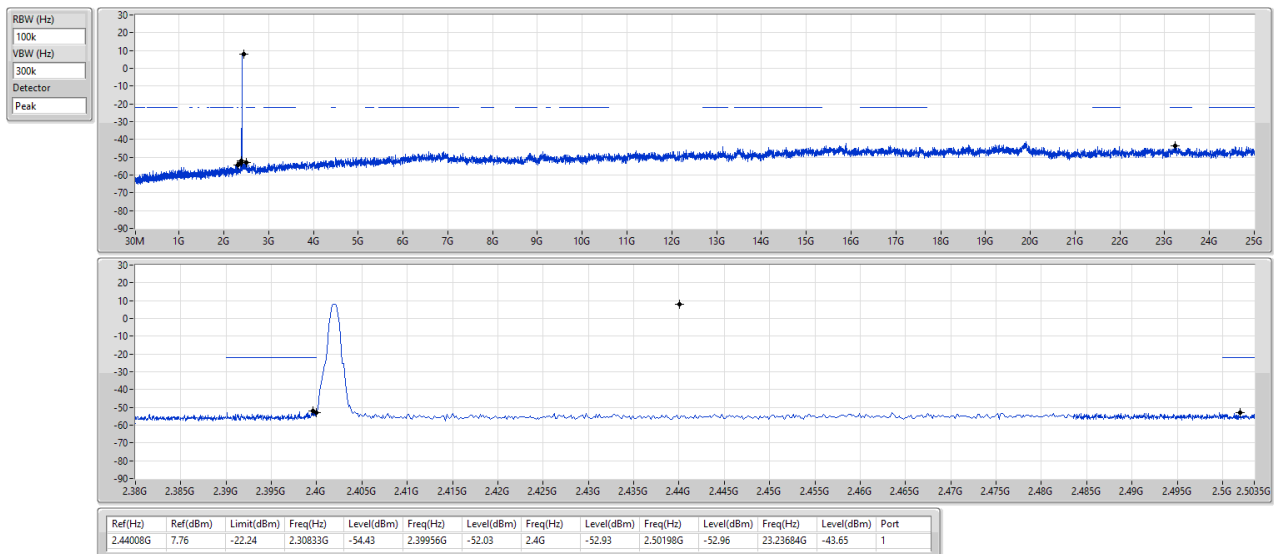


2.4-2.4835GHz_BT-LE(125kbps)

CSEndB-DTS

2402MHz

04/03/2025

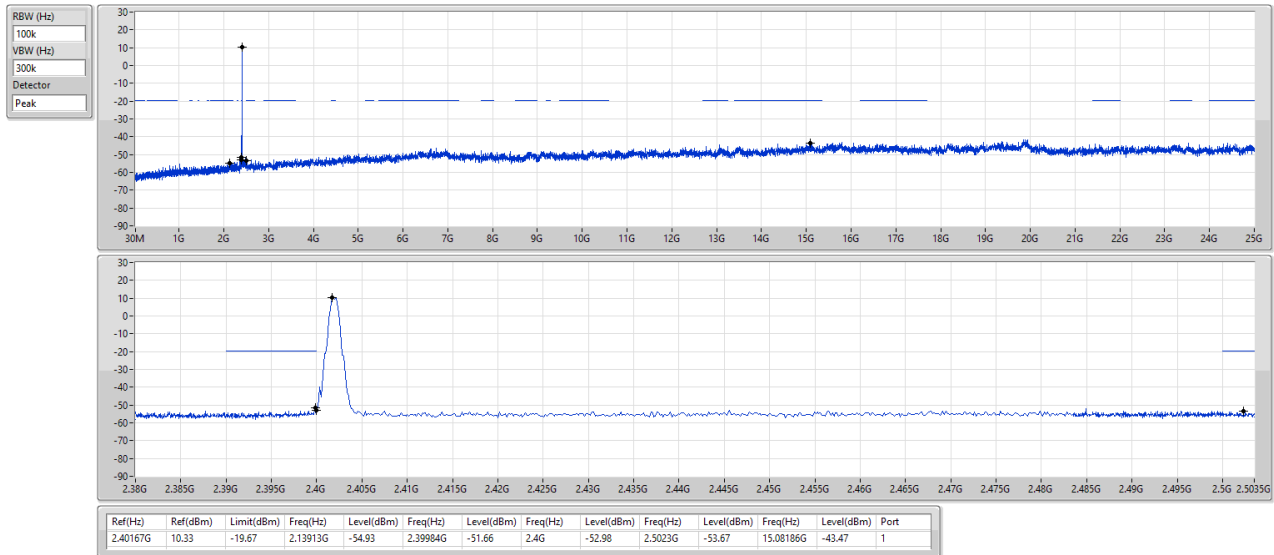


2.4-2.4835GHz_BT-LE(500kbps)

CSEndB-DTS

2402MHz

04/03/2025

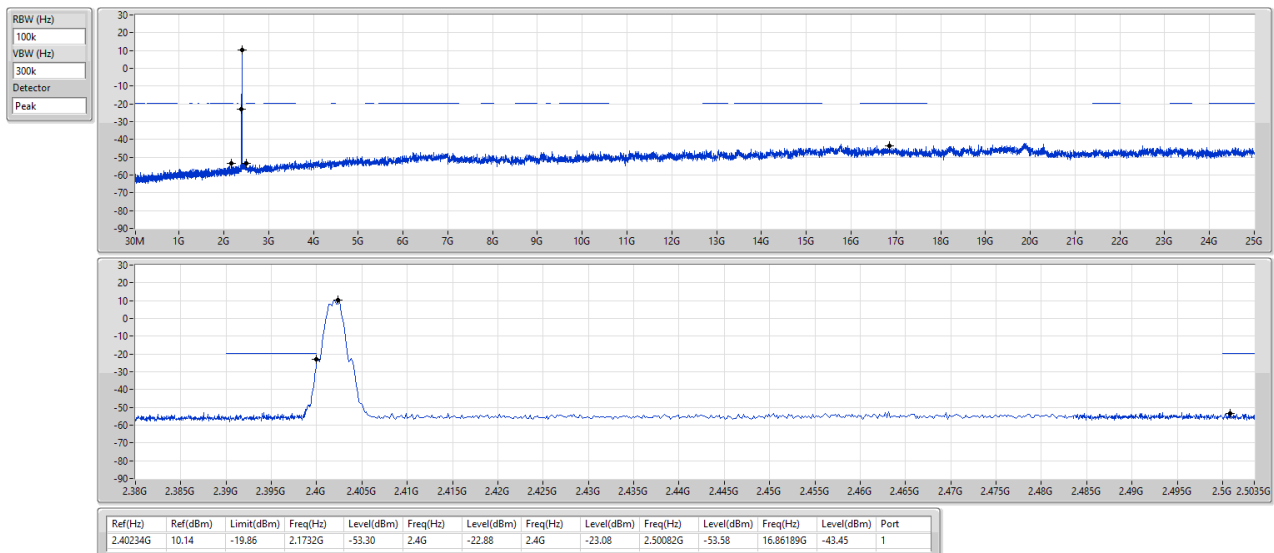


2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

04/03/2025





Summary

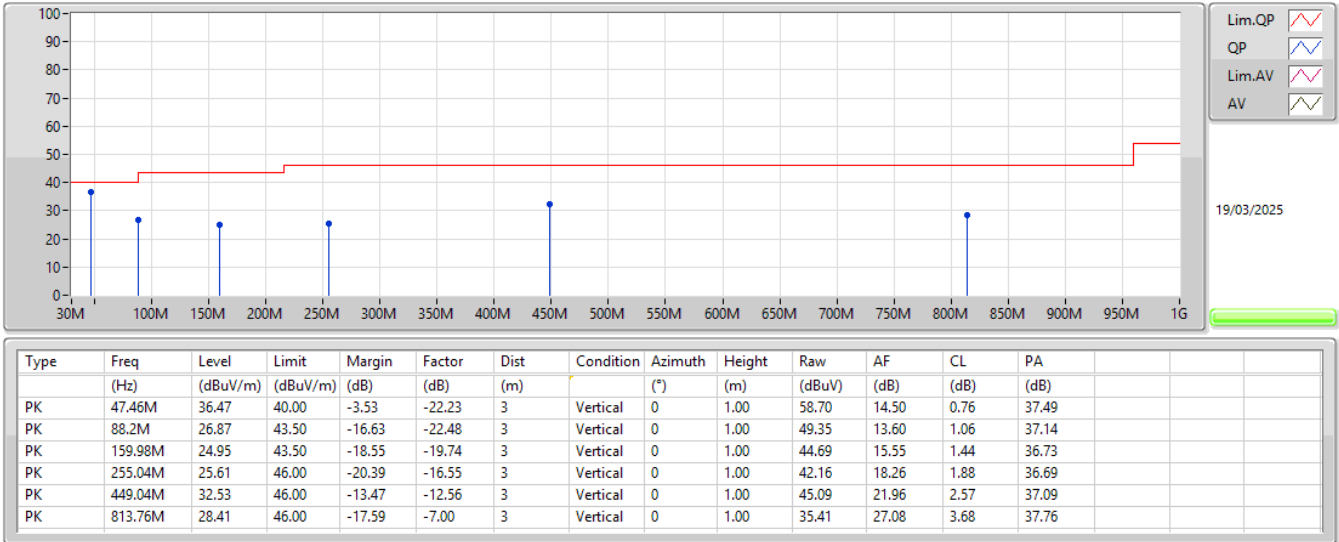
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	47.46M	36.47	40.00	-3.53	3	Vertical	0	1.00

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_Adapter	Pass	PK	47.46M	36.47	40.00	-3.53	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	88.2M	26.87	43.50	-16.63	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	159.98M	24.95	43.50	-18.55	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	255.04M	25.61	46.00	-20.39	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	449.04M	32.53	46.00	-13.47	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	813.76M	28.41	46.00	-17.59	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	55.22M	27.38	40.00	-12.62	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	88.2M	29.87	43.50	-13.63	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	192.96M	28.08	43.50	-15.42	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	449.04M	35.56	46.00	-10.44	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	650.8M	30.78	46.00	-15.22	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	792.42M	29.06	46.00	-16.94	3	Horizontal	360	1.00

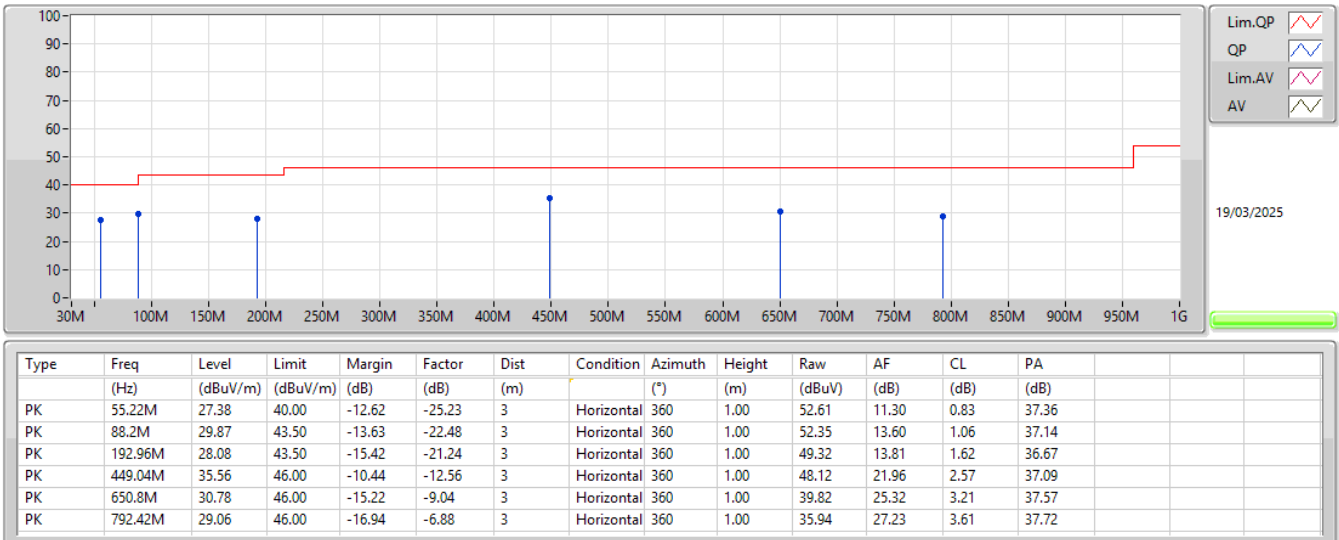
2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Adapter



2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Adapter



**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(125kbps)	Pass	AV	2.4924G	48.62	54.00	-5.38	3	Vertical	98	3.00
BT-LE(500kbps)	Pass	AV	2.4996G	48.68	54.00	-5.32	3	Vertical	98	3.00
BT-LE(1Mbps)	Pass	AV	2.4994G	48.93	54.00	-5.07	3	Vertical	348	1.00
BT-LE(2Mbps)	Pass	AV	2.4835G	49.57	54.00	-4.43	3	Horizontal	182	1.50

Result

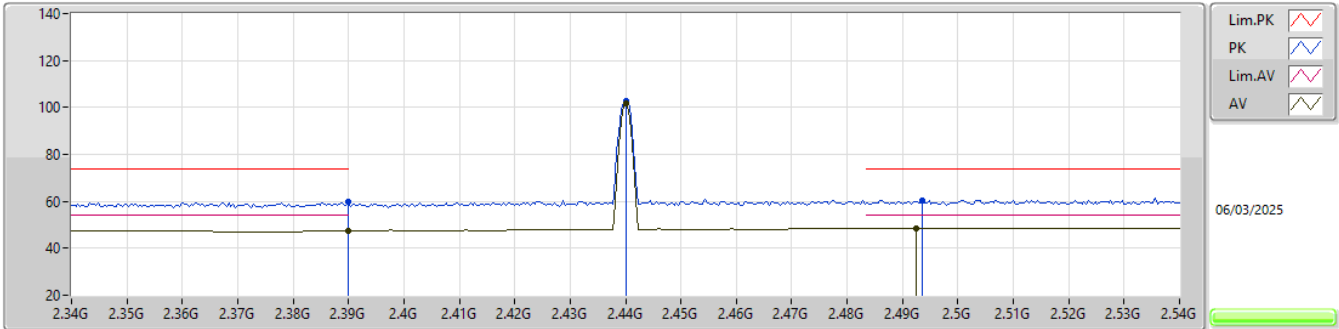
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3556G	48.25	54.00	-5.75	3	Vertical	273	1.50
2402MHz	Pass	AV	2.402G	98.12	Inf	-Inf	3	Vertical	273	1.50
2402MHz	Pass	PK	2.3566G	59.80	74.00	-14.20	3	Vertical	273	1.50
2402MHz	Pass	PK	2.4018G	99.16	Inf	-Inf	3	Vertical	273	1.50
2402MHz	Pass	AV	2.386G	48.28	54.00	-5.72	3	Horizontal	184	2.74
2402MHz	Pass	AV	2.402G	106.19	Inf	-Inf	3	Horizontal	184	2.74
2402MHz	Pass	PK	2.3748G	59.76	74.00	-14.24	3	Horizontal	184	2.74
2402MHz	Pass	PK	2.4018G	107.15	Inf	-Inf	3	Horizontal	184	2.74
2402MHz	Pass	AV	4.80461G	34.38	54.00	-19.62	3	Vertical	15	1.50
2402MHz	Pass	PK	4.80361G	47.38	74.00	-26.62	3	Vertical	15	1.50
2402MHz	Pass	AV	4.8038G	34.31	54.00	-19.69	3	Horizontal	284	2.88
2402MHz	Pass	PK	4.80388G	47.03	74.00	-26.97	3	Horizontal	284	2.88
2440MHz	Pass	AV	2.3856G	47.76	54.00	-6.24	3	Vertical	99	3.00
2440MHz	Pass	AV	2.44G	101.83	Inf	-Inf	3	Vertical	99	3.00
2440MHz	Pass	AV	2.494G	48.90	54.00	-5.10	3	Vertical	99	3.00
2440MHz	Pass	PK	2.388G	59.84	74.00	-14.16	3	Vertical	99	3.00
2440MHz	Pass	PK	2.44G	102.94	Inf	-Inf	3	Vertical	99	3.00
2440MHz	Pass	PK	2.4916G	60.50	74.00	-13.50	3	Vertical	99	3.00
2440MHz	Pass	AV	2.3892G	47.86	54.00	-6.14	3	Horizontal	180	1.50
2440MHz	Pass	AV	2.44G	105.44	Inf	-Inf	3	Horizontal	180	1.50
2440MHz	Pass	AV	2.4948G	48.91	54.00	-5.09	3	Horizontal	180	1.50
2440MHz	Pass	PK	2.3532G	60.01	74.00	-13.99	3	Horizontal	180	1.50
2440MHz	Pass	PK	2.44G	106.42	Inf	-Inf	3	Horizontal	180	1.50
2440MHz	Pass	PK	2.5G	60.81	74.00	-13.19	3	Horizontal	180	1.50
2440MHz	Pass	AV	4.87946G	34.77	54.00	-19.23	3	Vertical	132	1.55
2440MHz	Pass	PK	4.88042G	47.39	74.00	-26.61	3	Vertical	132	1.55
2440MHz	Pass	AV	4.87936G	34.84	54.00	-19.16	3	Horizontal	358	1.50
2440MHz	Pass	PK	4.87934G	47.64	74.00	-26.36	3	Horizontal	358	1.50
2480MHz	Pass	AV	2.48G	97.21	Inf	-Inf	3	Vertical	348	1.00
2480MHz	Pass	AV	2.4994G	48.93	54.00	-5.07	3	Vertical	348	1.00
2480MHz	Pass	PK	2.4802G	98.31	Inf	-Inf	3	Vertical	348	1.00
2480MHz	Pass	PK	2.496G	61.88	74.00	-12.12	3	Vertical	348	1.00
2480MHz	Pass	AV	2.48G	105.20	Inf	-Inf	3	Horizontal	183	1.50
2480MHz	Pass	AV	2.4954G	48.91	54.00	-5.09	3	Horizontal	183	1.50
2480MHz	Pass	PK	2.4802G	106.31	Inf	-Inf	3	Horizontal	183	1.50
2480MHz	Pass	PK	2.499G	60.81	74.00	-13.19	3	Horizontal	183	1.50
2480MHz	Pass	AV	4.9596G	35.22	54.00	-18.78	3	Vertical	26	1.26
2480MHz	Pass	PK	4.95936G	47.39	74.00	-26.61	3	Vertical	26	1.26
2480MHz	Pass	AV	4.96074G	35.21	54.00	-18.79	3	Horizontal	358	1.50
2480MHz	Pass	PK	4.96071G	47.53	74.00	-26.47	3	Horizontal	358	1.50
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.389G	48.11	54.00	-5.89	3	Vertical	36	1.50
2402MHz	Pass	AV	2.402G	96.07	Inf	-Inf	3	Vertical	36	1.50
2402MHz	Pass	PK	2.3784G	60.08	74.00	-13.92	3	Vertical	36	1.50
2402MHz	Pass	PK	2.4026G	98.69	Inf	-Inf	3	Vertical	36	1.50
2402MHz	Pass	AV	2.3876G	48.06	54.00	-5.94	3	Horizontal	181	2.97
2402MHz	Pass	AV	2.402G	105.05	Inf	-Inf	3	Horizontal	181	2.97
2402MHz	Pass	PK	2.3776G	59.96	74.00	-14.04	3	Horizontal	181	2.97
2402MHz	Pass	PK	2.4026G	107.72	Inf	-Inf	3	Horizontal	181	2.97
2402MHz	Pass	AV	4.80525G	34.72	54.00	-19.28	3	Vertical	270	2.80
2402MHz	Pass	PK	4.80421G	46.57	74.00	-27.43	3	Vertical	270	2.80
2402MHz	Pass	AV	4.80512G	34.78	54.00	-19.22	3	Horizontal	233	1.50
2402MHz	Pass	PK	4.80524G	46.93	74.00	-27.07	3	Horizontal	233	1.50
2440MHz	Pass	AV	2.3876G	48.31	54.00	-5.69	3	Vertical	96	2.97
2440MHz	Pass	AV	2.44G	100.61	Inf	-Inf	3	Vertical	96	2.97
2440MHz	Pass	AV	2.496G	49.41	54.00	-4.59	3	Vertical	96	2.97
2440MHz	Pass	PK	2.3464G	59.75	74.00	-14.25	3	Vertical	96	2.97
2440MHz	Pass	PK	2.4404G	103.19	Inf	-Inf	3	Vertical	96	2.97
2440MHz	Pass	PK	2.4844G	60.31	74.00	-13.69	3	Vertical	96	2.97
2440MHz	Pass	AV	2.3472G	48.00	54.00	-6.00	3	Horizontal	180	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2440MHz	Pass	AV	2.44G	104.00	Inf	-Inf	3	Horizontal	180	1.50
2440MHz	Pass	AV	2.486G	49.10	54.00	-4.90	3	Horizontal	180	1.50
2440MHz	Pass	PK	2.3592G	59.93	74.00	-14.07	3	Horizontal	180	1.50
2440MHz	Pass	PK	2.4396G	106.53	Inf	-Inf	3	Horizontal	180	1.50
2440MHz	Pass	PK	2.4936G	61.63	74.00	-12.37	3	Horizontal	180	1.50
2440MHz	Pass	AV	4.88137G	35.20	54.00	-18.80	3	Vertical	311	1.50
2440MHz	Pass	PK	4.8804G	47.42	74.00	-26.58	3	Vertical	311	1.50
2440MHz	Pass	AV	4.87855G	35.17	54.00	-18.83	3	Horizontal	60	1.50
2440MHz	Pass	PK	4.88014G	47.65	74.00	-26.35	3	Horizontal	60	1.50
2480MHz	Pass	AV	2.48G	96.15	Inf	-Inf	3	Vertical	348	1.00
2480MHz	Pass	AV	2.5G	49.19	54.00	-4.81	3	Vertical	348	1.00
2480MHz	Pass	PK	2.4806G	98.78	Inf	-Inf	3	Vertical	348	1.00
2480MHz	Pass	PK	2.4994G	61.49	74.00	-12.51	3	Vertical	348	1.00
2480MHz	Pass	AV	2.48G	103.75	Inf	-Inf	3	Horizontal	182	1.50
2480MHz	Pass	AV	2.4835G	49.57	54.00	-4.43	3	Horizontal	182	1.50
2480MHz	Pass	PK	2.4796G	106.24	Inf	-Inf	3	Horizontal	182	1.50
2480MHz	Pass	PK	2.4956G	60.79	74.00	-13.21	3	Horizontal	182	1.50
2480MHz	Pass	AV	4.9609G	35.55	54.00	-18.45	3	Vertical	121	1.50
2480MHz	Pass	PK	4.95984G	47.71	74.00	-26.29	3	Vertical	121	1.50
2480MHz	Pass	AV	4.95906G	35.57	54.00	-18.43	3	Horizontal	204	2.77
2480MHz	Pass	PK	4.95905G	47.49	74.00	-26.51	3	Horizontal	204	2.77
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3846G	47.48	54.00	-6.52	3	Vertical	38	1.00
2402MHz	Pass	AV	2.402G	99.97	Inf	-Inf	3	Vertical	38	1.00
2402MHz	Pass	PK	2.3884G	60.59	74.00	-13.41	3	Vertical	38	1.00
2402MHz	Pass	PK	2.4018G	101.34	Inf	-Inf	3	Vertical	38	1.00
2402MHz	Pass	AV	2.3814G	47.42	54.00	-6.58	3	Horizontal	183	1.50
2402MHz	Pass	AV	2.402G	104.89	Inf	-Inf	3	Horizontal	183	1.50
2402MHz	Pass	PK	2.386G	60.03	74.00	-13.97	3	Horizontal	183	1.50
2402MHz	Pass	PK	2.4022G	105.91	Inf	-Inf	3	Horizontal	183	1.50
2402MHz	Pass	AV	4.80459G	34.19	54.00	-19.81	3	Vertical	46	1.50
2402MHz	Pass	PK	4.8035G	46.79	74.00	-27.21	3	Vertical	46	1.50
2402MHz	Pass	AV	4.80458G	34.19	54.00	-19.81	3	Horizontal	152	1.50
2402MHz	Pass	PK	4.80333G	47.42	74.00	-26.58	3	Horizontal	152	1.50
2440MHz	Pass	AV	2.39G	47.36	54.00	-6.64	3	Vertical	98	3.00
2440MHz	Pass	AV	2.44G	101.48	Inf	-Inf	3	Vertical	98	3.00
2440MHz	Pass	AV	2.4924G	48.62	54.00	-5.38	3	Vertical	98	3.00
2440MHz	Pass	PK	2.39G	59.63	74.00	-14.37	3	Vertical	98	3.00
2440MHz	Pass	PK	2.44G	102.76	Inf	-Inf	3	Vertical	98	3.00
2440MHz	Pass	PK	2.4936G	60.37	74.00	-13.63	3	Vertical	98	3.00
2440MHz	Pass	AV	2.39G	47.36	54.00	-6.64	3	Horizontal	179	1.50
2440MHz	Pass	AV	2.44G	105.57	Inf	-Inf	3	Horizontal	179	1.50
2440MHz	Pass	AV	2.4996G	48.41	54.00	-5.59	3	Horizontal	179	1.50
2440MHz	Pass	PK	2.35G	60.21	74.00	-13.79	3	Horizontal	179	1.50
2440MHz	Pass	PK	2.4404G	106.54	Inf	-Inf	3	Horizontal	179	1.50
2440MHz	Pass	PK	2.4972G	60.73	74.00	-13.27	3	Horizontal	179	1.50
2440MHz	Pass	AV	4.88049G	34.70	54.00	-19.30	3	Vertical	231	1.50
2440MHz	Pass	PK	4.87934G	46.79	74.00	-27.21	3	Vertical	231	1.50
2440MHz	Pass	AV	4.87976G	34.63	54.00	-19.37	3	Horizontal	359	1.50
2440MHz	Pass	PK	4.87985G	47.91	74.00	-26.09	3	Horizontal	359	1.50
2480MHz	Pass	AV	2.48G	96.69	Inf	-Inf	3	Vertical	349	1.00
2480MHz	Pass	AV	2.4986G	48.41	54.00	-5.59	3	Vertical	349	1.00
2480MHz	Pass	PK	2.4802G	97.73	Inf	-Inf	3	Vertical	349	1.00
2480MHz	Pass	PK	2.491G	61.13	74.00	-12.87	3	Vertical	349	1.00
2480MHz	Pass	AV	2.48G	105.21	Inf	-Inf	3	Horizontal	184	1.50
2480MHz	Pass	AV	2.4986G	48.41	54.00	-5.59	3	Horizontal	184	1.50
2480MHz	Pass	PK	2.4798G	106.20	Inf	-Inf	3	Horizontal	184	1.50
2480MHz	Pass	PK	2.4984G	60.99	74.00	-13.01	3	Horizontal	184	1.50
2480MHz	Pass	AV	4.95928G	34.90	54.00	-19.10	3	Vertical	359	1.24
2480MHz	Pass	PK	4.9593G	47.63	74.00	-26.37	3	Vertical	359	1.24
2480MHz	Pass	AV	4.95939G	34.90	54.00	-19.10	3	Horizontal	219	2.40
2480MHz	Pass	PK	4.96032G	47.88	74.00	-26.12	3	Horizontal	219	2.40

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3898G	47.63	54.00	-6.37	3	Vertical	31	1.50
2402MHz	Pass	AV	2.402G	97.67	Inf	-Inf	3	Vertical	31	1.50
2402MHz	Pass	PK	2.3546G	60.25	74.00	-13.75	3	Vertical	31	1.50
2402MHz	Pass	PK	2.4018G	98.89	Inf	-Inf	3	Vertical	31	1.50
2402MHz	Pass	AV	2.3898G	47.63	54.00	-6.37	3	Horizontal	183	3.00
2402MHz	Pass	AV	2.402G	106.44	Inf	-Inf	3	Horizontal	183	3.00
2402MHz	Pass	PK	2.3894G	59.62	74.00	-14.38	3	Horizontal	183	3.00
2402MHz	Pass	PK	2.4018G	107.62	Inf	-Inf	3	Horizontal	183	3.00
2402MHz	Pass	AV	4.80415G	34.25	54.00	-19.75	3	Vertical	195	1.50
2402MHz	Pass	PK	4.80394G	46.86	74.00	-27.14	3	Vertical	195	1.50
2402MHz	Pass	AV	4.80418G	34.31	54.00	-19.69	3	Horizontal	202	2.95
2402MHz	Pass	PK	4.80409G	46.95	74.00	-27.05	3	Horizontal	202	2.95
2402MHz	Pass	AV	2.3452G	47.74	54.00	-6.26	3	Vertical	98	3.00
2440MHz	Pass	AV	2.44G	101.80	Inf	-Inf	3	Vertical	98	3.00
2440MHz	Pass	AV	2.4996G	48.68	54.00	-5.32	3	Vertical	98	3.00
2440MHz	Pass	PK	2.3688G	59.90	74.00	-14.10	3	Vertical	98	3.00
2440MHz	Pass	PK	2.4396G	102.93	Inf	-Inf	3	Vertical	98	3.00
2440MHz	Pass	PK	2.4904G	60.75	74.00	-13.25	3	Vertical	98	3.00
2440MHz	Pass	AV	2.3848G	47.75	54.00	-6.25	3	Horizontal	180	1.50
2440MHz	Pass	AV	2.44G	105.41	Inf	-Inf	3	Horizontal	180	1.50
2440MHz	Pass	AV	2.5G	48.68	54.00	-5.32	3	Horizontal	180	1.50
2440MHz	Pass	PK	2.388G	59.97	74.00	-14.03	3	Horizontal	180	1.50
2440MHz	Pass	PK	2.4396G	106.45	Inf	-Inf	3	Horizontal	180	1.50
2440MHz	Pass	PK	2.4968G	60.33	74.00	-13.67	3	Horizontal	180	1.50
2440MHz	Pass	AV	4.8795G	34.70	54.00	-19.30	3	Vertical	279	1.50
2440MHz	Pass	PK	4.87971G	46.92	74.00	-27.08	3	Vertical	279	1.50
2440MHz	Pass	AV	4.88054G	34.77	54.00	-19.23	3	Horizontal	192	1.50
2440MHz	Pass	PK	4.87998G	47.17	74.00	-26.83	3	Horizontal	192	1.50
2480MHz	Pass	AV	2.48G	96.82	Inf	-Inf	3	Vertical	349	1.00
2480MHz	Pass	AV	2.4998G	48.68	54.00	-5.32	3	Vertical	349	1.00
2480MHz	Pass	PK	2.4802G	97.77	Inf	-Inf	3	Vertical	349	1.00
2480MHz	Pass	PK	2.49G	60.62	74.00	-13.38	3	Vertical	349	1.00
2480MHz	Pass	AV	2.48G	105.24	Inf	-Inf	3	Horizontal	185	1.50
2480MHz	Pass	AV	2.5G	48.68	54.00	-5.32	3	Horizontal	185	1.50
2480MHz	Pass	PK	2.4798G	106.13	Inf	-Inf	3	Horizontal	185	1.50
2480MHz	Pass	PK	2.4868G	60.40	74.00	-13.60	3	Horizontal	185	1.50
2480MHz	Pass	AV	4.96044G	35.08	54.00	-18.92	3	Vertical	120	1.75
2480MHz	Pass	PK	4.95979G	47.48	74.00	-26.52	3	Vertical	120	1.75
2480MHz	Pass	AV	4.95969G	35.15	54.00	-18.85	3	Horizontal	271	2.11
2480MHz	Pass	PK	4.96045G	47.57	74.00	-26.43	3	Horizontal	271	2.11

2.4-2.4835GHz_BT-LE(125kbps)

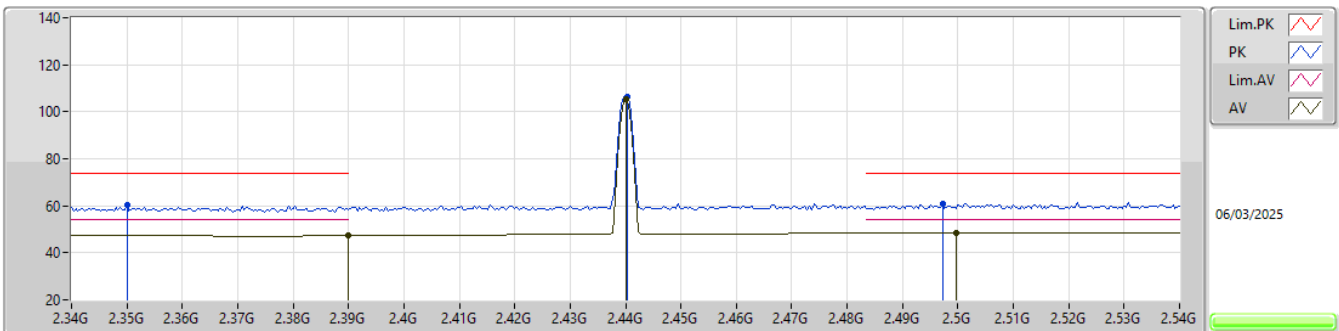
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	47.36	54.00	-6.64	33.17	3	Vertical	98	3.00	14.19	27.40	5.77	-
AV	2.44G	101.48	Inf	-Inf	33.31	3	Vertical	98	3.00	68.17	27.50	5.81	-
AV	2.4924G	48.62	54.00	-5.38	33.77	3	Vertical	98	3.00	14.85	27.92	5.85	-
PK	2.39G	59.63	74.00	-14.37	33.17	3	Vertical	98	3.00	26.46	27.40	5.77	-
PK	2.44G	102.76	Inf	-Inf	33.31	3	Vertical	98	3.00	69.45	27.50	5.81	-
PK	2.4936G	60.37	74.00	-13.63	33.79	3	Vertical	98	3.00	26.58	27.94	5.85	-

2.4-2.4835GHz_BT-LE(125kbps)

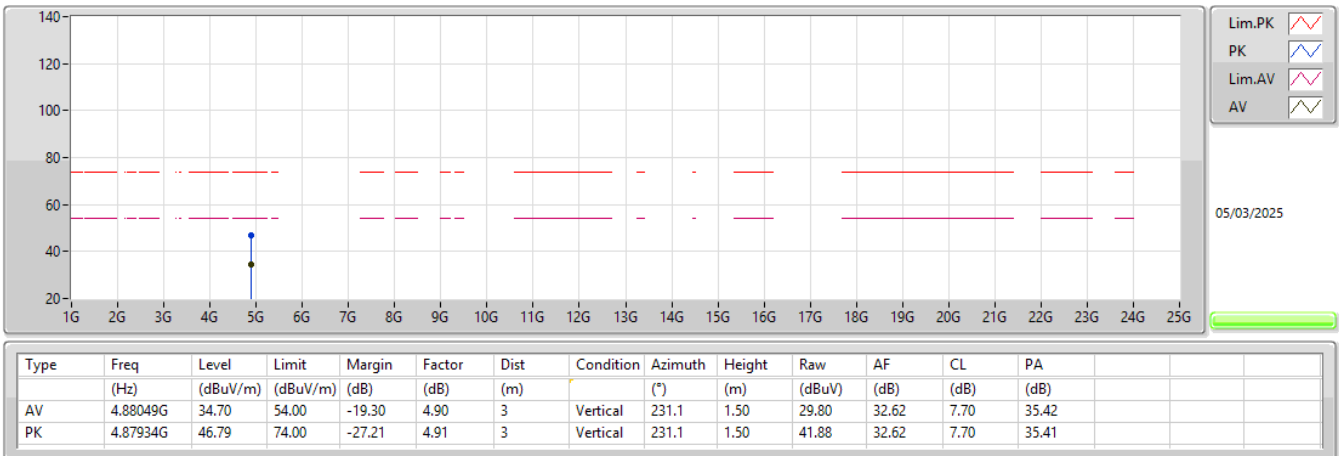
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	47.36	54.00	-6.64	33.17	3	Horizontal	179	1.50	14.19	27.40	5.77	-
AV	2.44G	105.57	Inf	-Inf	33.31	3	Horizontal	179	1.50	72.26	27.50	5.81	-
AV	2.4996G	48.41	54.00	-5.59	33.86	3	Horizontal	179	1.50	14.55	28.00	5.86	-
PK	2.35G	60.21	74.00	-13.79	33.02	3	Horizontal	179	1.50	27.19	27.30	5.72	-
PK	2.4404G	106.54	Inf	-Inf	33.31	3	Horizontal	179	1.50	73.23	27.50	5.81	-
PK	2.4972G	60.73	74.00	-13.27	33.83	3	Horizontal	179	1.50	26.90	27.97	5.86	-

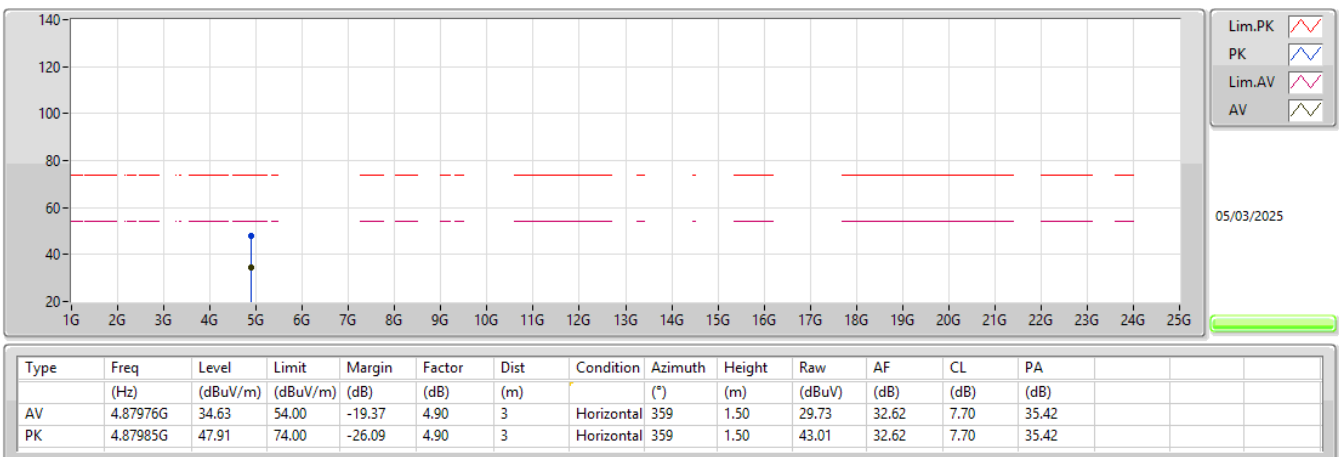
2.4-2.4835GHz_BT-LE(125kbps)

2440MHz_TX



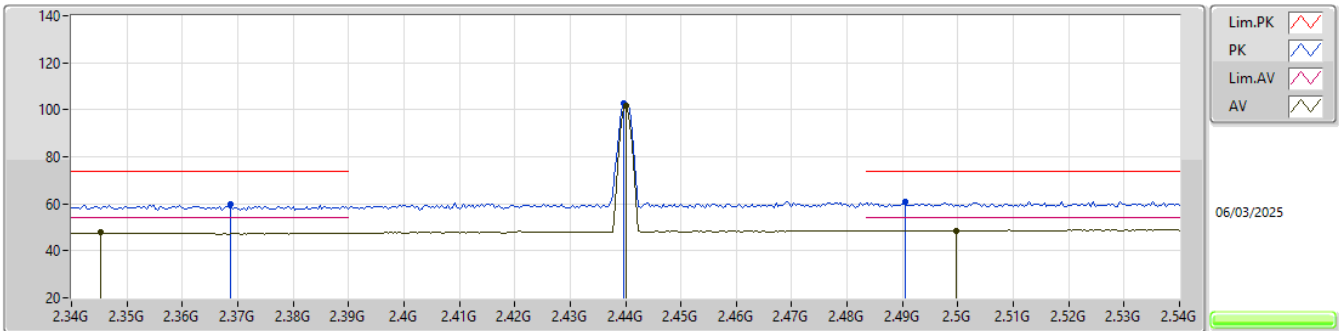
2.4-2.4835GHz_BT-LE(125kbps)

2440MHz_TX



2.4-2.4835GHz_BT-LE(500kpbs)

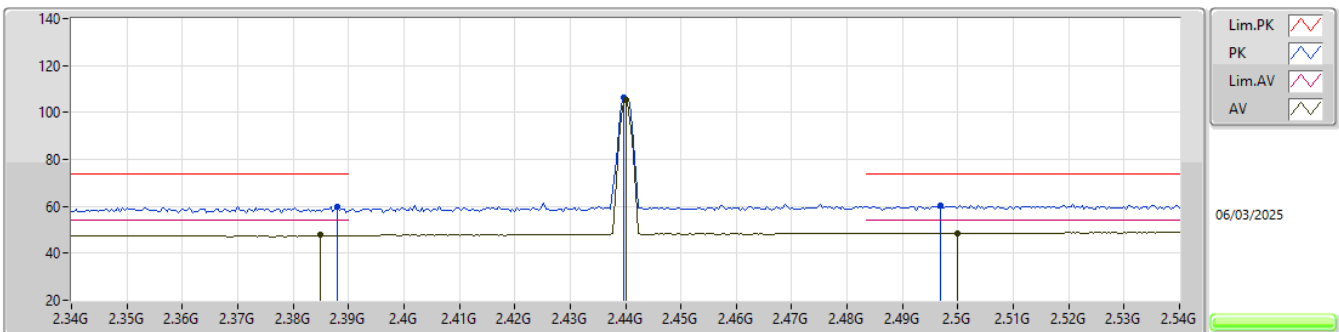
2440MHz_TX



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	2.3452G	47.74	54.00	-6.26	32.96	3	Vertical	98	3.00	14.78	27.25	5.71	-
AV	2.44G	101.80	Inf	-Inf	33.31	3	Vertical	98	3.00	68.49	27.50	5.81	-
AV	2.4996G	48.68	54.00	-5.32	33.86	3	Vertical	98	3.00	14.82	28.00	5.86	-
PK	2.3688G	59.90	74.00	-14.10	32.95	3	Vertical	98	3.00	26.95	27.21	5.74	-
PK	2.4396G	102.93	Inf	-Inf	33.31	3	Vertical	98	3.00	69.62	27.50	5.81	-
PK	2.4904G	60.75	74.00	-13.25	33.75	3	Vertical	98	3.00	27.00	27.90	5.85	-

2.4-2.4835GHz_BT-LE(500kpbs)

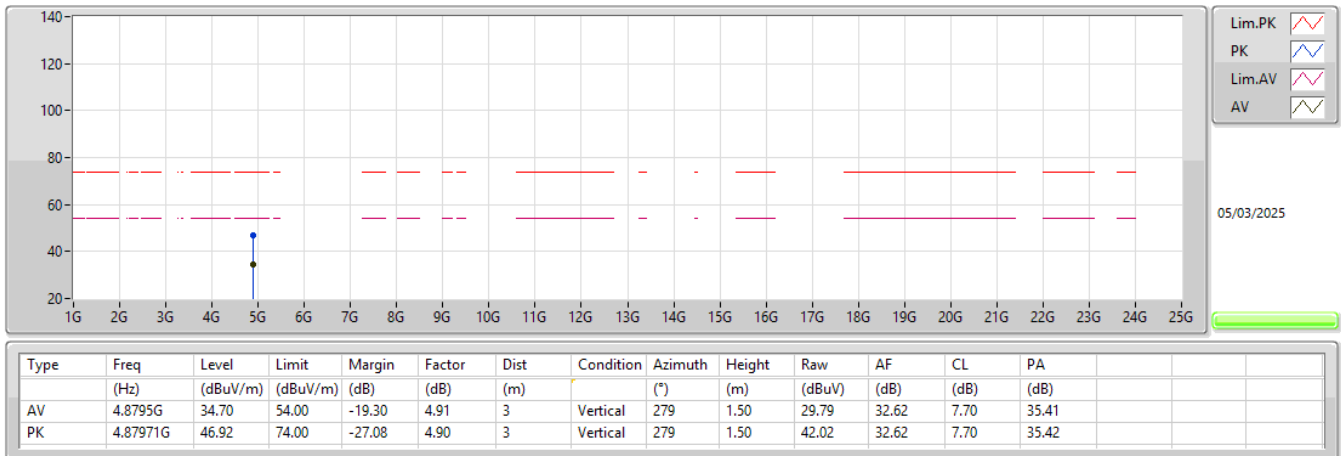
2440MHz_TX



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	2.3848G	47.75	54.00	-6.25	33.06	3	Horizontal	180	1.50	14.69	27.30	5.76	-
AV	2.44G	105.41	Inf	-Inf	33.31	3	Horizontal	180	1.50	72.10	27.50	5.81	-
AV	2.5G	48.68	54.00	-5.32	33.86	3	Horizontal	180	1.50	14.82	28.00	5.86	-
PK	2.388G	59.97	74.00	-14.03	33.13	3	Horizontal	180	1.50	26.84	27.36	5.77	-
PK	2.4396G	106.45	Inf	-Inf	33.31	3	Horizontal	180	1.50	73.14	27.50	5.81	-
PK	2.4968G	60.33	74.00	-13.67	33.83	3	Horizontal	180	1.50	26.50	27.97	5.86	-

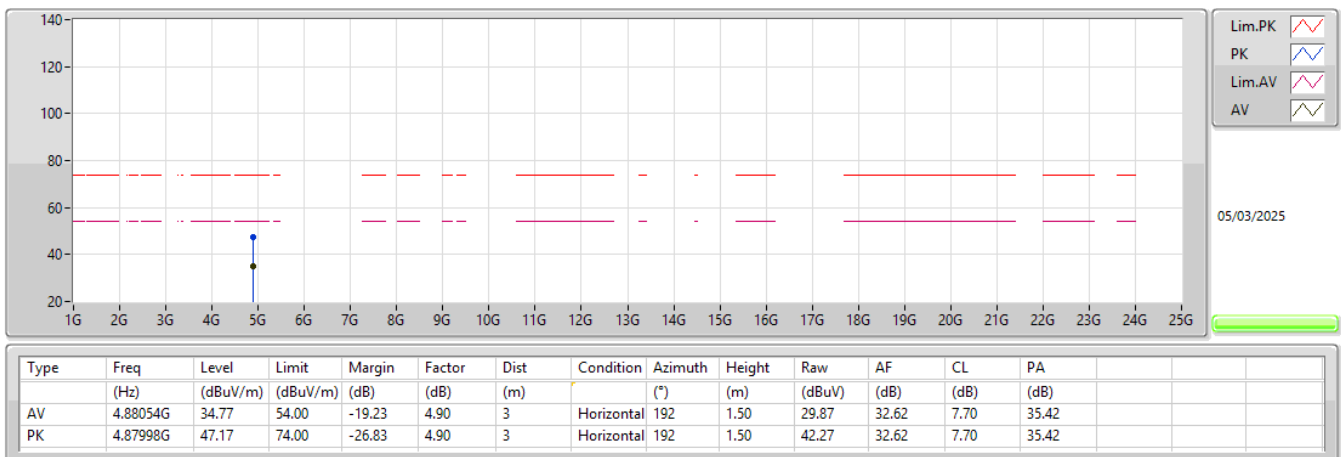
2.4-2.4835GHz_BT-LE(500kbps)

2440MHz_TX



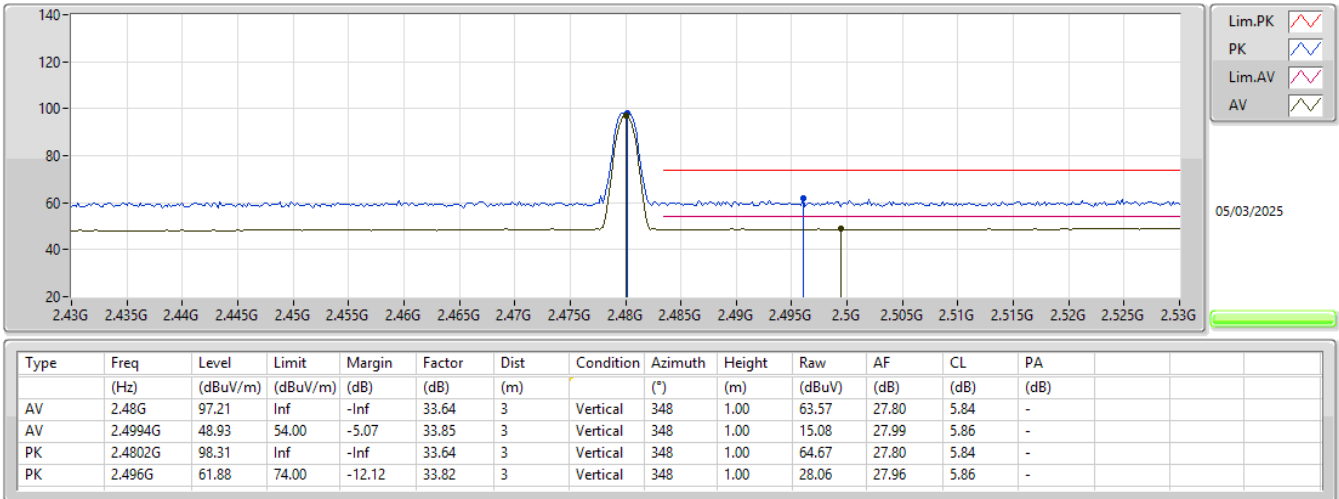
2.4-2.4835GHz_BT-LE(500kbps)

2440MHz_TX



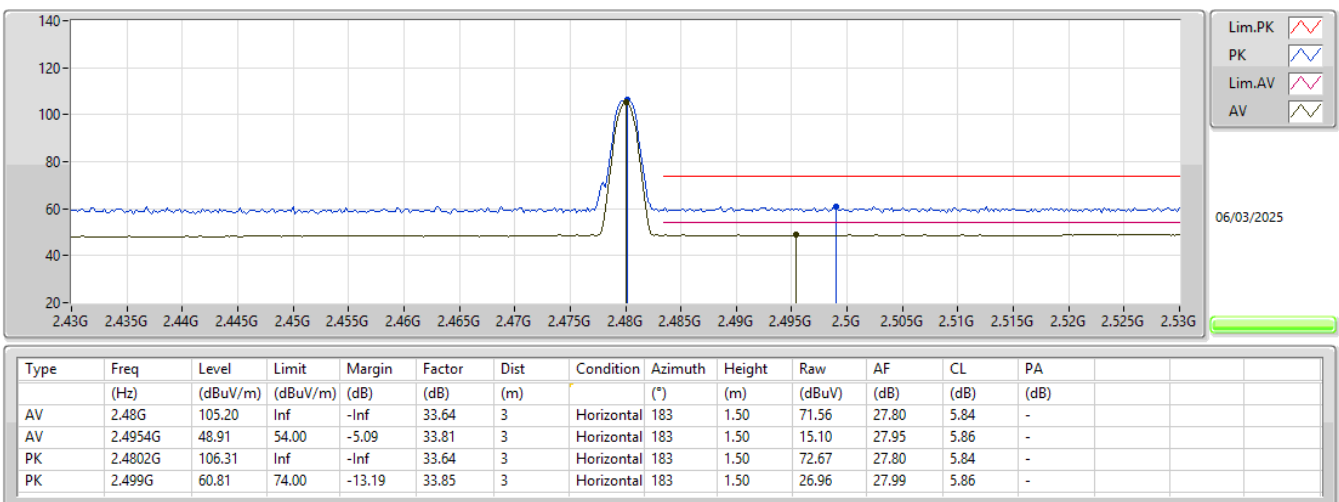
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



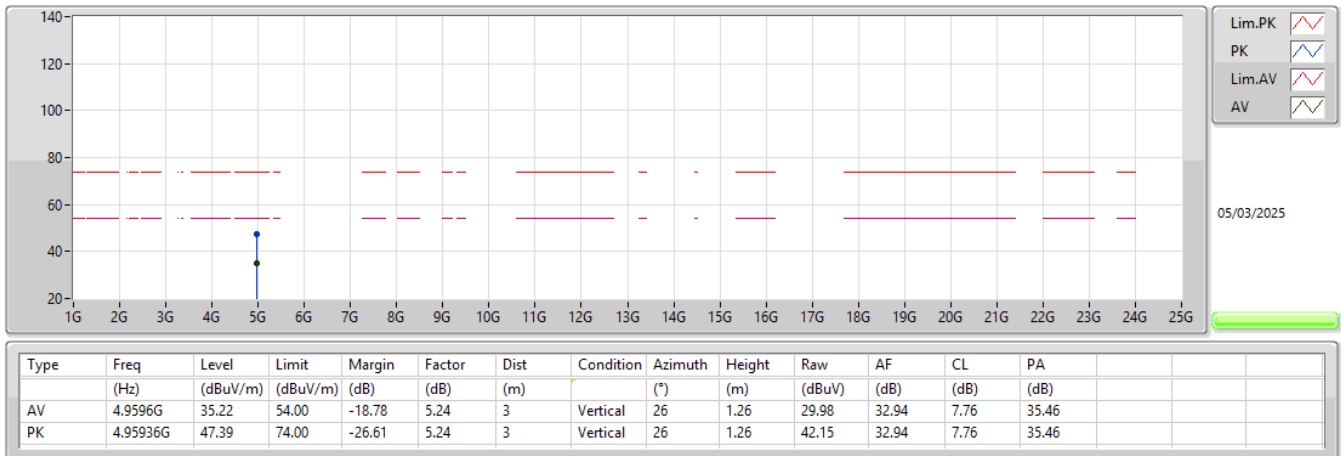
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



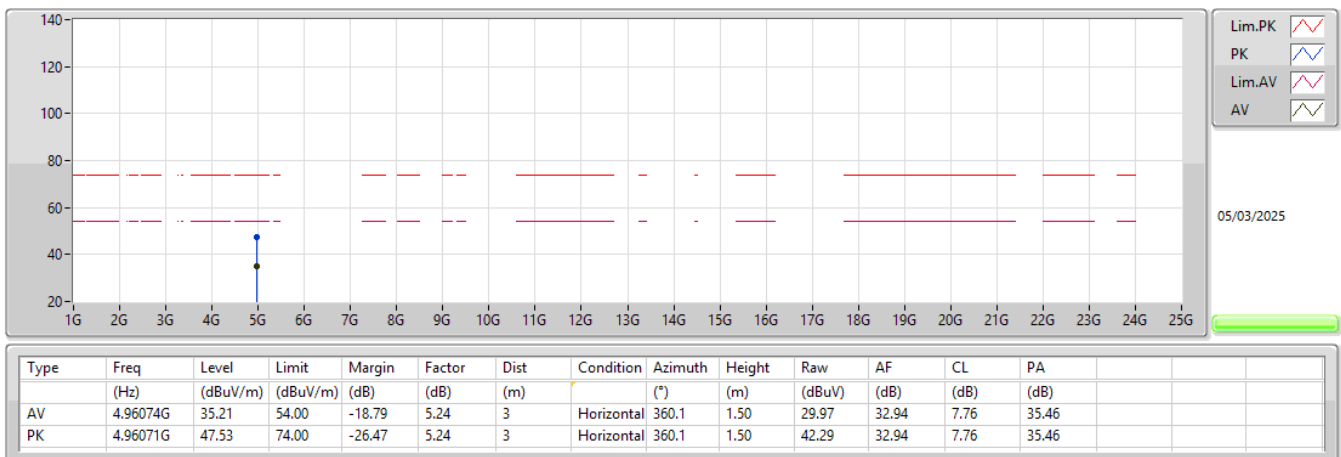
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



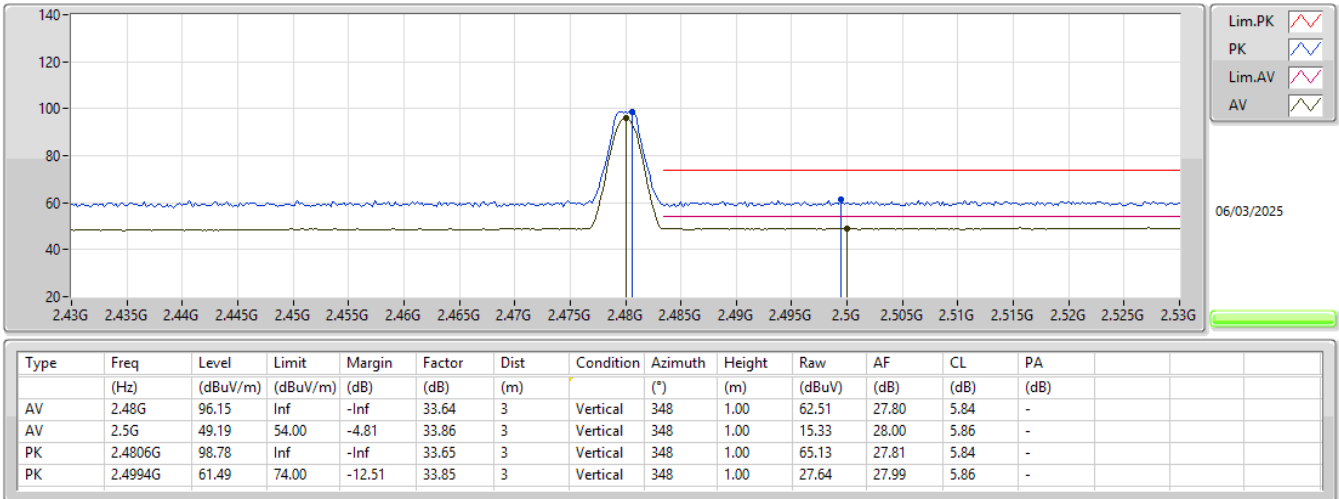
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



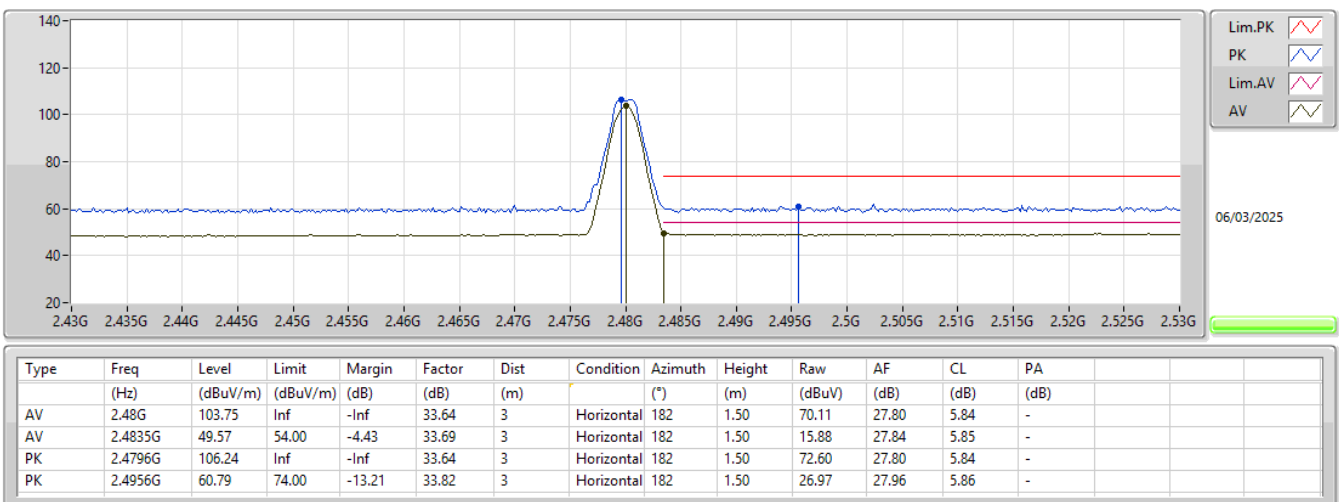
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



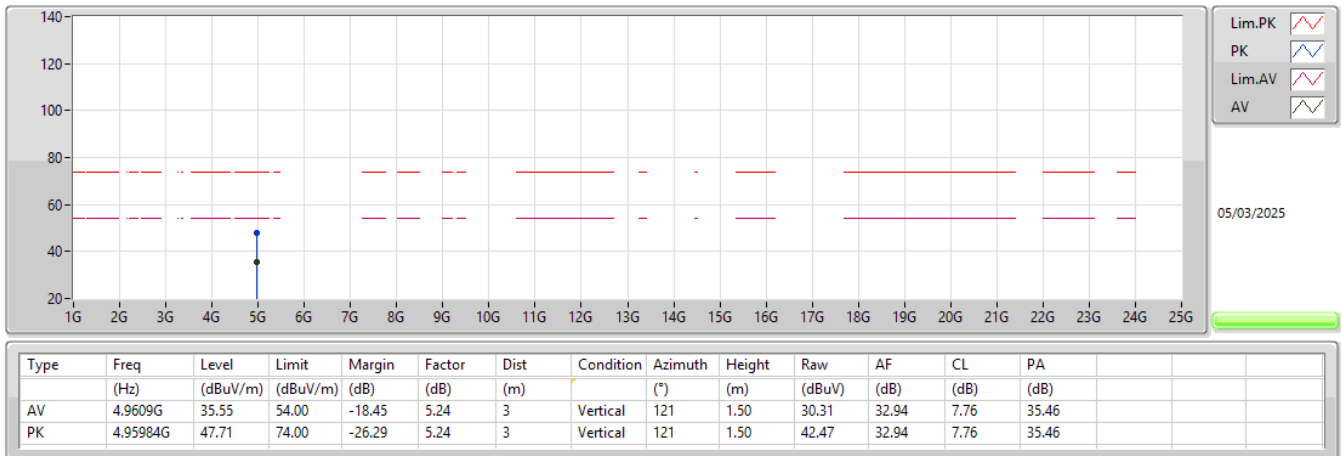
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



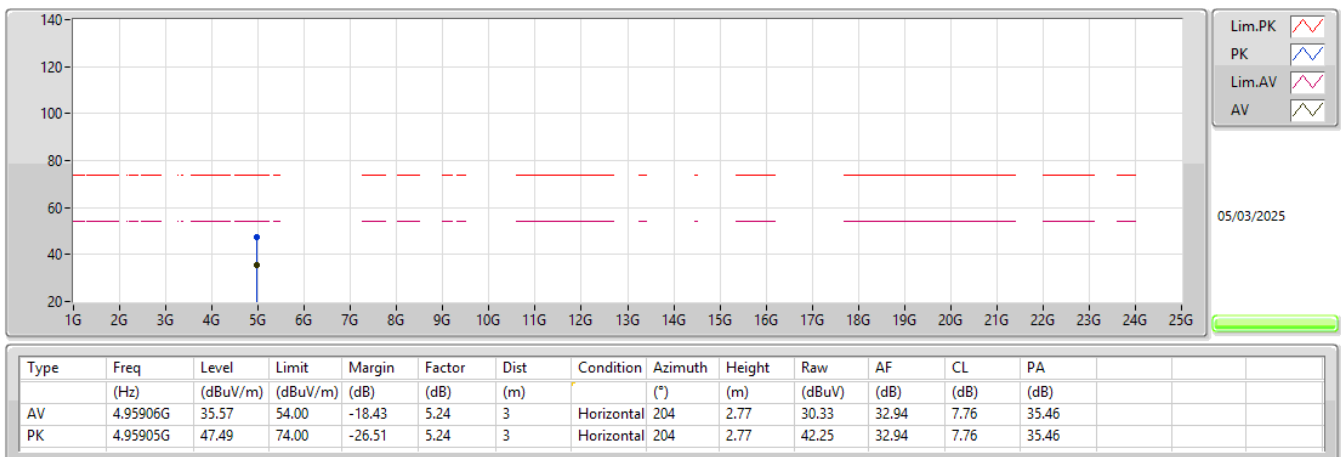
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX





**RSE TX below 1GHz_chain 0_
Dual-Polarized MIMO Panel Antenna**

Appendix F.3

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	47.46M	35.82	40.00	-4.18	3	Vertical	0	1.00



**RSE TX below 1GHz_chain 0_
Dual-Polarized MIMO Panel Antenna**

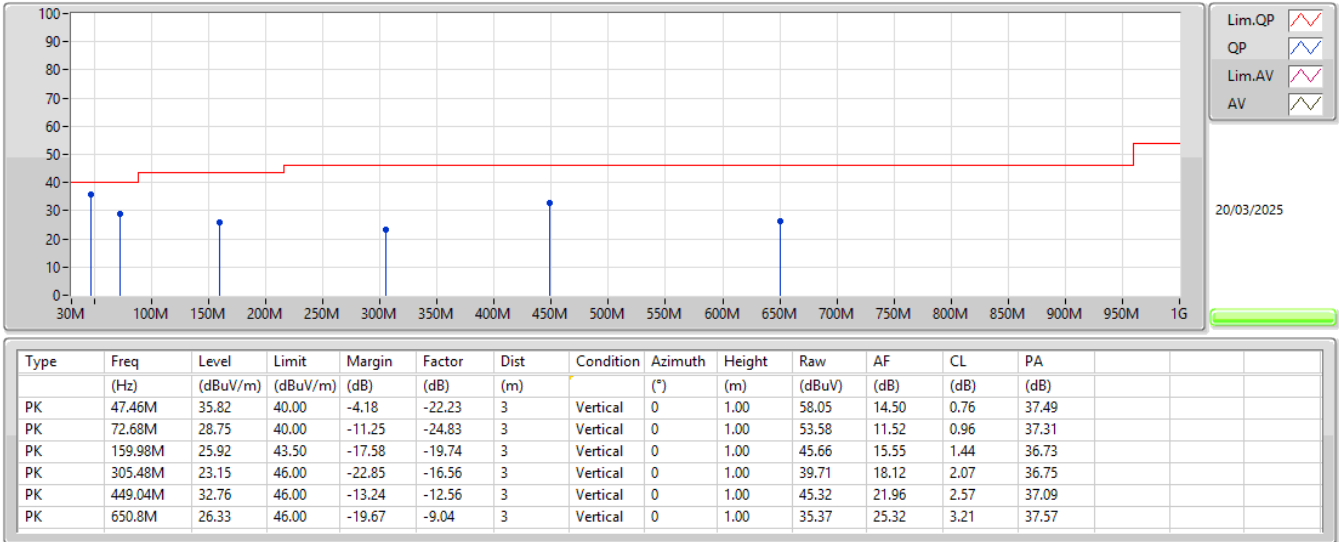
Appendix F.3

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_Adapter	Pass	PK	47.46M	35.82	40.00	-4.18	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	72.68M	28.75	40.00	-11.25	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	159.98M	25.92	43.50	-17.58	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	305.48M	23.15	46.00	-22.85	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	449.04M	32.76	46.00	-13.24	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	650.8M	26.33	46.00	-19.67	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	47.46M	27.86	40.00	-12.14	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	95.96M	31.12	43.50	-12.38	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	196.84M	32.89	43.50	-10.61	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	299.66M	23.55	46.00	-22.45	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	449.04M	30.77	46.00	-15.23	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	650.8M	26.07	46.00	-19.93	3	Horizontal	360	1.00

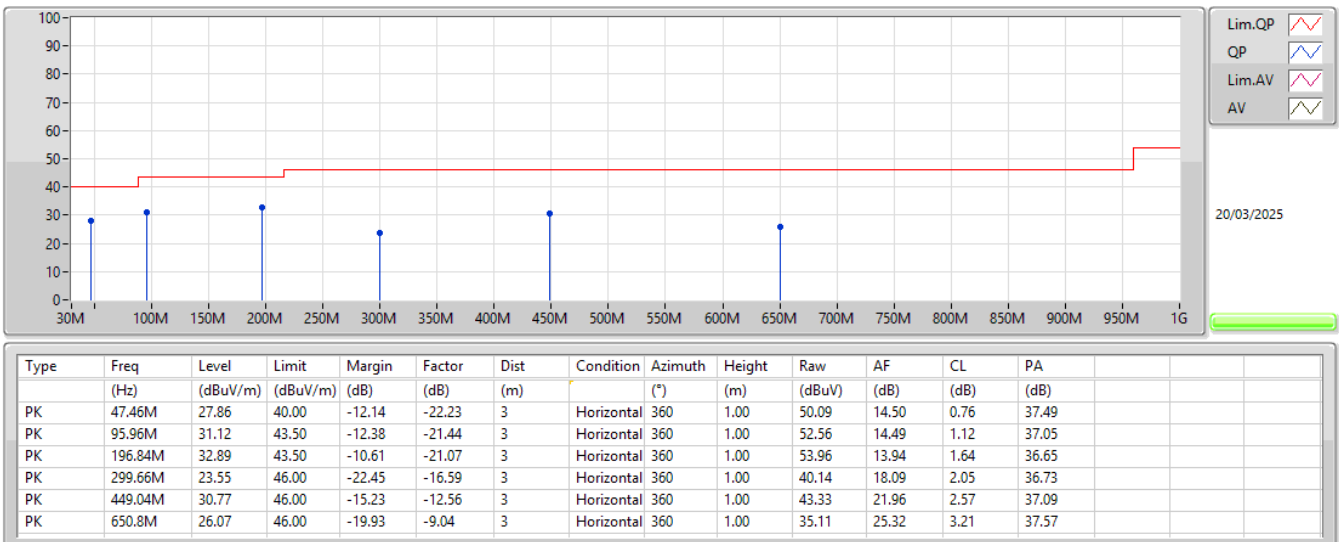
2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Adapter



2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Adapter





**RSE TX above 1GHz_chain 0_
Dual-Polarized MIMO Panel Antenna**

Appendix F.4

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(125kbps)	Pass	AV	2.4976G	48.85	54.00	-5.15	3	Vertical	0	3.00
BT-LE(500kbps)	Pass	AV	2.4996G	48.86	54.00	-5.14	3	Vertical	0	3.00
BT-LE(1Mbps)	Pass	AV	2.4992G	49.11	54.00	-4.89	3	Vertical	0	3.00
BT-LE(2Mbps)	Pass	AV	2.4835G	50.21	54.00	-3.79	3	Vertical	11	1.50

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.389G	48.04	54.00	-5.96	3	Vertical	0	1.50
2402MHz	Pass	AV	2.402G	107.28	Inf	-Inf	3	Vertical	0	1.50
2402MHz	Pass	PK	2.3566G	59.80	74.00	-14.20	3	Vertical	0	1.50
2402MHz	Pass	PK	2.402G	108.40	Inf	-Inf	3	Vertical	0	1.50
2402MHz	Pass	AV	2.3874G	47.99	54.00	-6.01	3	Horizontal	356	2.77
2402MHz	Pass	AV	2.402G	99.73	Inf	-Inf	3	Horizontal	356	2.77
2402MHz	Pass	PK	2.355G	60.61	74.00	-13.39	3	Horizontal	356	2.77
2402MHz	Pass	PK	2.402G	100.88	Inf	-Inf	3	Horizontal	356	2.77
2402MHz	Pass	AV	4.80357G	34.85	54.00	-19.15	3	Vertical	281	1.50
2402MHz	Pass	PK	4.80417G	47.46	74.00	-26.54	3	Vertical	281	1.50
2402MHz	Pass	AV	4.80463G	34.93	54.00	-19.07	3	Horizontal	360	1.50
2402MHz	Pass	PK	4.80361G	47.37	74.00	-26.63	3	Horizontal	360	1.50
2440MHz	Pass	AV	2.3896G	48.05	54.00	-5.95	3	Vertical	0	3.00
2440MHz	Pass	AV	2.44G	109.19	Inf	-Inf	3	Vertical	0	3.00
2440MHz	Pass	AV	2.4992G	49.11	54.00	-4.89	3	Vertical	0	3.00
2440MHz	Pass	PK	2.3432G	60.04	74.00	-13.96	3	Vertical	0	3.00
2440MHz	Pass	PK	2.44G	110.23	Inf	-Inf	3	Vertical	0	3.00
2440MHz	Pass	PK	2.4835G	60.76	74.00	-13.24	3	Vertical	0	3.00
2440MHz	Pass	AV	2.3888G	48.04	54.00	-5.96	3	Horizontal	22	1.72
2440MHz	Pass	AV	2.44G	98.04	Inf	-Inf	3	Horizontal	22	1.72
2440MHz	Pass	AV	2.4972G	49.10	54.00	-4.90	3	Horizontal	22	1.72
2440MHz	Pass	PK	2.3544G	60.00	74.00	-14.00	3	Horizontal	22	1.72
2440MHz	Pass	PK	2.44G	99.05	Inf	-Inf	3	Horizontal	22	1.72
2440MHz	Pass	PK	2.486G	61.65	74.00	-12.35	3	Horizontal	22	1.72
2440MHz	Pass	AV	4.87897G	35.43	54.00	-18.57	3	Vertical	19	1.88
2440MHz	Pass	PK	4.87958G	47.58	74.00	-26.42	3	Vertical	19	1.88
2440MHz	Pass	AV	4.88131G	35.38	54.00	-18.62	3	Horizontal	325	2.80
2440MHz	Pass	PK	4.87852G	47.63	74.00	-26.37	3	Horizontal	325	2.80
2480MHz	Pass	AV	2.48G	106.52	Inf	-Inf	3	Vertical	360	1.50
2480MHz	Pass	AV	2.4976G	49.11	54.00	-4.89	3	Vertical	360	1.50
2480MHz	Pass	PK	2.4802G	107.37	Inf	-Inf	3	Vertical	360	1.50
2480MHz	Pass	PK	2.492G	60.94	74.00	-13.06	3	Vertical	360	1.50
2480MHz	Pass	AV	2.48G	100.40	Inf	-Inf	3	Horizontal	350	1.99
2480MHz	Pass	AV	2.499G	49.11	54.00	-4.89	3	Horizontal	350	1.99
2480MHz	Pass	PK	2.4798G	101.32	Inf	-Inf	3	Horizontal	350	1.99
2480MHz	Pass	PK	2.4882G	61.11	74.00	-12.89	3	Horizontal	350	1.99
2480MHz	Pass	AV	4.96082G	35.79	54.00	-18.21	3	Vertical	68	2.01
2480MHz	Pass	PK	4.96137G	48.19	74.00	-25.81	3	Vertical	68	2.01
2480MHz	Pass	AV	4.96116G	35.79	54.00	-18.21	3	Horizontal	340	1.91
2480MHz	Pass	PK	4.96116G	48.17	74.00	-25.83	3	Horizontal	340	1.91
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3646G	48.37	54.00	-5.63	3	Vertical	0	1.50
2402MHz	Pass	AV	2.402G	104.97	Inf	-Inf	3	Vertical	0	1.50
2402MHz	Pass	PK	2.3612G	60.34	74.00	-13.66	3	Vertical	0	1.50
2402MHz	Pass	PK	2.4016G	107.51	Inf	-Inf	3	Vertical	0	1.50
2402MHz	Pass	AV	2.3884G	48.28	54.00	-5.72	3	Horizontal	352	3.00
2402MHz	Pass	AV	2.402G	98.56	Inf	-Inf	3	Horizontal	352	3.00
2402MHz	Pass	PK	2.3878G	60.56	74.00	-13.44	3	Horizontal	352	3.00
2402MHz	Pass	PK	2.4014G	101.20	Inf	-Inf	3	Horizontal	352	3.00
2402MHz	Pass	AV	4.80318G	35.18	54.00	-18.82	3	Vertical	74	1.01
2402MHz	Pass	PK	4.8036G	47.44	74.00	-26.56	3	Vertical	74	1.01
2402MHz	Pass	AV	4.80456G	35.20	54.00	-18.80	3	Horizontal	33	2.84
2402MHz	Pass	PK	4.80525G	47.22	74.00	-26.78	3	Horizontal	33	2.84
2440MHz	Pass	AV	2.39G	48.32	54.00	-5.68	3	Vertical	2	3.00
2440MHz	Pass	AV	2.44G	107.26	Inf	-Inf	3	Vertical	2	3.00
2440MHz	Pass	AV	2.4988G	49.36	54.00	-4.64	3	Vertical	2	3.00
2440MHz	Pass	PK	2.3864G	60.47	74.00	-13.53	3	Vertical	2	3.00
2440MHz	Pass	PK	2.4404G	109.78	Inf	-Inf	3	Vertical	2	3.00
2440MHz	Pass	PK	2.4908G	60.80	74.00	-13.20	3	Vertical	2	3.00
2440MHz	Pass	AV	2.3568G	48.42	54.00	-5.58	3	Horizontal	22	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2440MHz	Pass	AV	2.44G	95.11	Inf	-Inf	3	Horizontal	22	1.50
2440MHz	Pass	AV	2.498G	49.36	54.00	-4.64	3	Horizontal	22	1.50
2440MHz	Pass	PK	2.384G	60.47	74.00	-13.53	3	Horizontal	22	1.50
2440MHz	Pass	PK	2.4404G	97.76	Inf	-Inf	3	Horizontal	22	1.50
2440MHz	Pass	PK	2.4896G	60.46	74.00	-13.54	3	Horizontal	22	1.50
2440MHz	Pass	AV	4.88103G	35.81	54.00	-18.19	3	Vertical	137	1.46
2440MHz	Pass	PK	4.87918G	47.92	74.00	-26.08	3	Vertical	137	1.46
2440MHz	Pass	AV	4.88115G	35.63	54.00	-18.37	3	Horizontal	249	1.17
2440MHz	Pass	PK	4.88026G	47.02	74.00	-26.98	3	Horizontal	249	1.17
2480MHz	Pass	AV	2.48G	104.99	Inf	-Inf	3	Vertical	11	1.50
2480MHz	Pass	AV	2.4835G	50.21	54.00	-3.79	3	Vertical	11	1.50
2480MHz	Pass	PK	2.4806G	107.50	Inf	-Inf	3	Vertical	11	1.50
2480MHz	Pass	PK	2.4902G	61.31	74.00	-12.69	3	Vertical	11	1.50
2480MHz	Pass	AV	2.48G	95.45	Inf	-Inf	3	Horizontal	352	1.50
2480MHz	Pass	AV	2.4998G	49.37	54.00	-4.63	3	Horizontal	352	1.50
2480MHz	Pass	PK	2.4796G	98.02	Inf	-Inf	3	Horizontal	352	1.50
2480MHz	Pass	PK	2.4842G	61.39	74.00	-12.61	3	Horizontal	352	1.50
2480MHz	Pass	AV	4.9593G	35.93	54.00	-18.07	3	Vertical	50	1.99
2480MHz	Pass	PK	4.96079G	47.62	74.00	-26.38	3	Vertical	50	1.99
2480MHz	Pass	AV	4.96091G	36.09	54.00	-17.91	3	Horizontal	23	2.48
2480MHz	Pass	PK	4.95877G	48.21	74.00	-25.79	3	Horizontal	23	2.48
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3524G	47.68	54.00	-6.32	3	Vertical	0	1.50
2402MHz	Pass	AV	2.402G	106.10	Inf	-Inf	3	Vertical	0	1.50
2402MHz	Pass	PK	2.3776G	60.08	74.00	-13.92	3	Vertical	0	1.50
2402MHz	Pass	PK	2.4018G	107.53	Inf	-Inf	3	Vertical	0	1.50
2402MHz	Pass	AV	2.3886G	47.77	54.00	-6.23	3	Horizontal	354	1.92
2402MHz	Pass	AV	2.402G	98.87	Inf	-Inf	3	Horizontal	354	1.92
2402MHz	Pass	PK	2.3584G	60.42	74.00	-13.58	3	Horizontal	354	1.92
2402MHz	Pass	PK	2.4018G	100.18	Inf	-Inf	3	Horizontal	354	1.92
2402MHz	Pass	AV	4.80533G	34.53	54.00	-19.47	3	Vertical	135	2.96
2402MHz	Pass	PK	4.80312G	47.54	74.00	-26.46	3	Vertical	135	2.96
2402MHz	Pass	AV	4.80518G	34.59	54.00	-19.41	3	Horizontal	197	1.46
2402MHz	Pass	PK	4.8035G	47.39	74.00	-26.61	3	Horizontal	197	1.46
2440MHz	Pass	AV	2.3896G	47.80	54.00	-6.20	3	Vertical	0	3.00
2440MHz	Pass	AV	2.44G	108.54	Inf	-Inf	3	Vertical	0	3.00
2440MHz	Pass	AV	2.4976G	48.85	54.00	-5.15	3	Vertical	0	3.00
2440MHz	Pass	PK	2.3816G	59.80	74.00	-14.20	3	Vertical	0	3.00
2440MHz	Pass	PK	2.4396G	109.37	Inf	-Inf	3	Vertical	0	3.00
2440MHz	Pass	PK	2.4944G	61.27	74.00	-12.73	3	Vertical	0	3.00
2440MHz	Pass	AV	2.3892G	47.78	54.00	-6.22	3	Horizontal	23	1.50
2440MHz	Pass	AV	2.44G	96.56	Inf	-Inf	3	Horizontal	23	1.50
2440MHz	Pass	AV	2.498G	48.84	54.00	-5.16	3	Horizontal	23	1.50
2440MHz	Pass	PK	2.3888G	60.72	74.00	-13.28	3	Horizontal	23	1.50
2440MHz	Pass	PK	2.4404G	97.58	Inf	-Inf	3	Horizontal	23	1.50
2440MHz	Pass	PK	2.5G	61.31	74.00	-12.69	3	Horizontal	23	1.50
2440MHz	Pass	AV	4.88139G	35.06	54.00	-18.94	3	Vertical	45	1.43
2440MHz	Pass	PK	4.87992G	47.63	74.00	-26.37	3	Vertical	45	1.43
2440MHz	Pass	AV	4.88017G	35.04	54.00	-18.96	3	Horizontal	311	2.73
2440MHz	Pass	PK	4.87952G	47.40	74.00	-26.60	3	Horizontal	311	2.73
2480MHz	Pass	AV	2.48G	106.64	Inf	-Inf	3	Vertical	10	1.50
2480MHz	Pass	AV	2.4978G	48.85	54.00	-5.15	3	Vertical	10	1.50
2480MHz	Pass	PK	2.4802G	107.61	Inf	-Inf	3	Vertical	10	1.50
2480MHz	Pass	PK	2.487G	61.04	74.00	-12.96	3	Vertical	10	1.50
2480MHz	Pass	AV	2.48G	96.79	Inf	-Inf	3	Horizontal	352	1.50
2480MHz	Pass	AV	2.4968G	48.84	54.00	-5.16	3	Horizontal	352	1.50
2480MHz	Pass	PK	2.4798G	97.81	Inf	-Inf	3	Horizontal	352	1.50
2480MHz	Pass	PK	2.49G	61.55	74.00	-12.45	3	Horizontal	352	1.50
2480MHz	Pass	AV	4.95867G	35.31	54.00	-18.69	3	Vertical	45	1.74
2480MHz	Pass	PK	4.95885G	47.65	74.00	-26.35	3	Vertical	45	1.74
2480MHz	Pass	AV	4.95862G	35.31	54.00	-18.69	3	Horizontal	188	1.61
2480MHz	Pass	PK	4.96143G	47.50	74.00	-26.50	3	Horizontal	188	1.61



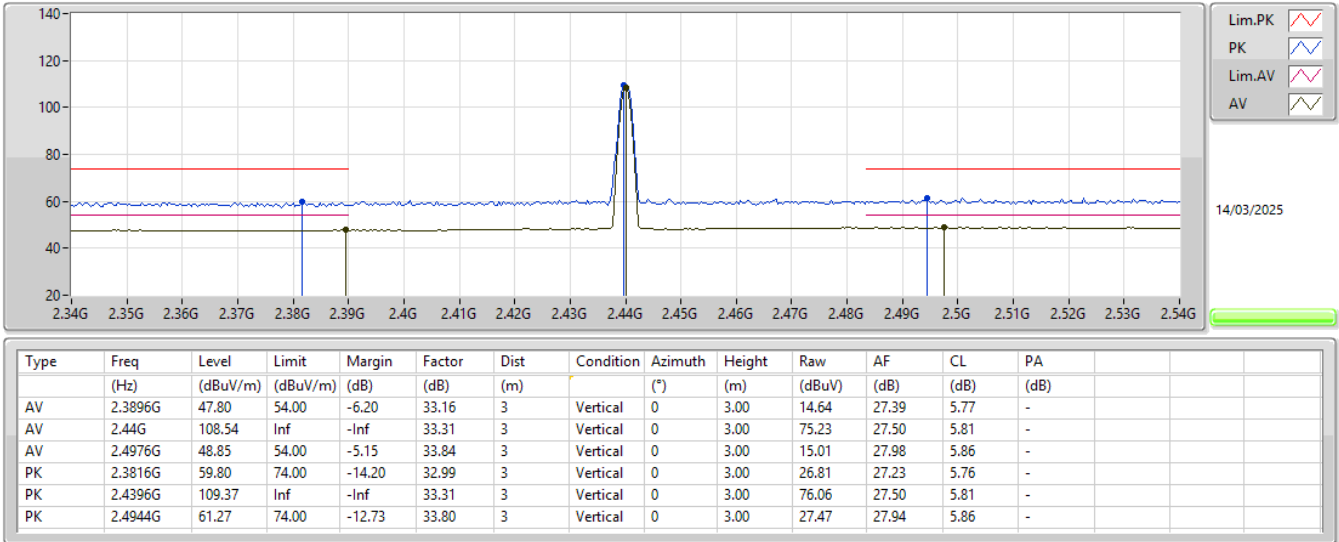
**RSE TX above 1GHz_chain 0_
Dual-Polarized MIMO Panel Antenna**

Appendix F.4

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3898G	47.81	54.00	-6.19	3	Vertical	0	1.50
2402MHz	Pass	AV	2.402G	106.23	Inf	-Inf	3	Vertical	0	1.50
2402MHz	Pass	PK	2.3594G	60.05	74.00	-13.95	3	Vertical	0	1.50
2402MHz	Pass	PK	2.4018G	107.40	Inf	-Inf	3	Vertical	0	1.50
2402MHz	Pass	AV	2.3576G	47.92	54.00	-6.08	3	Horizontal	354	1.83
2402MHz	Pass	AV	2.402G	99.06	Inf	-Inf	3	Horizontal	354	1.83
2402MHz	Pass	PK	2.372G	60.50	74.00	-13.50	3	Horizontal	354	1.83
2402MHz	Pass	PK	2.4018G	100.23	Inf	-Inf	3	Horizontal	354	1.83
2402MHz	Pass	AV	4.80448G	34.83	54.00	-19.17	3	Vertical	278	2.54
2402MHz	Pass	PK	4.80358G	47.15	74.00	-26.85	3	Vertical	278	2.54
2402MHz	Pass	AV	4.80489G	34.84	54.00	-19.16	3	Horizontal	285	2.54
2402MHz	Pass	PK	4.80311G	47.47	74.00	-26.53	3	Horizontal	285	2.54
2402MHz	Pass	AV	2.3596G	47.91	54.00	-6.09	3	Vertical	0	3.00
2440MHz	Pass	AV	2.44G	108.51	Inf	-Inf	3	Vertical	0	3.00
2440MHz	Pass	AV	2.4996G	48.86	54.00	-5.14	3	Vertical	0	3.00
2440MHz	Pass	PK	2.3556G	60.05	74.00	-13.95	3	Vertical	0	3.00
2440MHz	Pass	PK	2.4396G	109.56	Inf	-Inf	3	Vertical	0	3.00
2440MHz	Pass	PK	2.498G	60.85	74.00	-13.15	3	Vertical	0	3.00
2440MHz	Pass	AV	2.39G	47.81	54.00	-6.19	3	Horizontal	22	1.73
2440MHz	Pass	AV	2.44G	97.68	Inf	-Inf	3	Horizontal	22	1.73
2440MHz	Pass	AV	2.4996G	48.86	54.00	-5.14	3	Horizontal	22	1.73
2440MHz	Pass	PK	2.378G	60.26	74.00	-13.74	3	Horizontal	22	1.73
2440MHz	Pass	PK	2.4396G	98.77	Inf	-Inf	3	Horizontal	22	1.73
2440MHz	Pass	PK	2.494G	61.15	74.00	-12.85	3	Horizontal	22	1.73
2440MHz	Pass	AV	4.88145G	35.25	54.00	-18.75	3	Vertical	266	1.21
2440MHz	Pass	PK	4.88128G	47.68	74.00	-26.32	3	Vertical	266	1.21
2440MHz	Pass	AV	4.88147G	35.25	54.00	-18.75	3	Horizontal	275	2.93
2440MHz	Pass	PK	4.87981G	48.00	74.00	-26.00	3	Horizontal	275	2.93
2480MHz	Pass	AV	2.48G	106.28	Inf	-Inf	3	Vertical	360	1.50
2480MHz	Pass	AV	2.4998G	48.86	54.00	-5.14	3	Vertical	360	1.50
2480MHz	Pass	PK	2.4802G	107.12	Inf	-Inf	3	Vertical	360	1.50
2480MHz	Pass	PK	2.4902G	61.79	74.00	-12.21	3	Vertical	360	1.50
2480MHz	Pass	AV	2.48G	100.12	Inf	-Inf	3	Horizontal	350	1.99
2480MHz	Pass	AV	2.4996G	48.86	54.00	-5.14	3	Horizontal	350	1.99
2480MHz	Pass	PK	2.4798G	100.99	Inf	-Inf	3	Horizontal	350	1.99
2480MHz	Pass	PK	2.4988G	61.11	74.00	-12.89	3	Horizontal	350	1.99
2480MHz	Pass	AV	4.96017G	35.55	54.00	-18.45	3	Vertical	270	1.01
2480MHz	Pass	PK	4.9585G	47.81	74.00	-26.19	3	Vertical	270	1.01
2480MHz	Pass	AV	4.96128G	35.61	54.00	-18.39	3	Horizontal	265	1.68
2480MHz	Pass	PK	4.96095G	47.59	74.00	-26.41	3	Horizontal	265	1.68

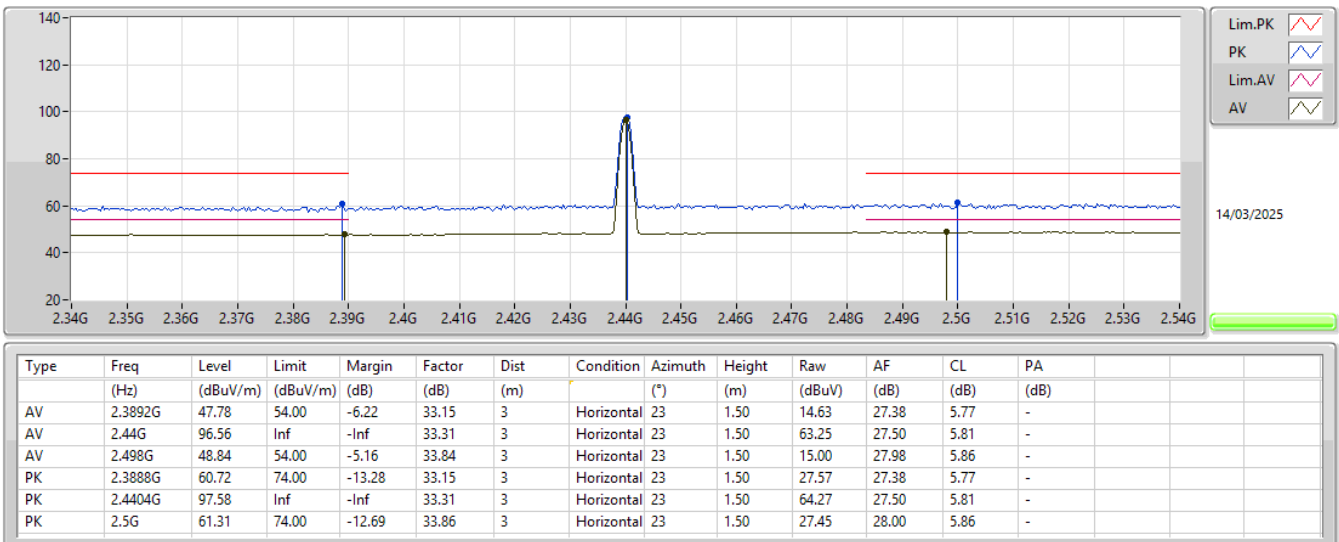
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2440MHz_TX



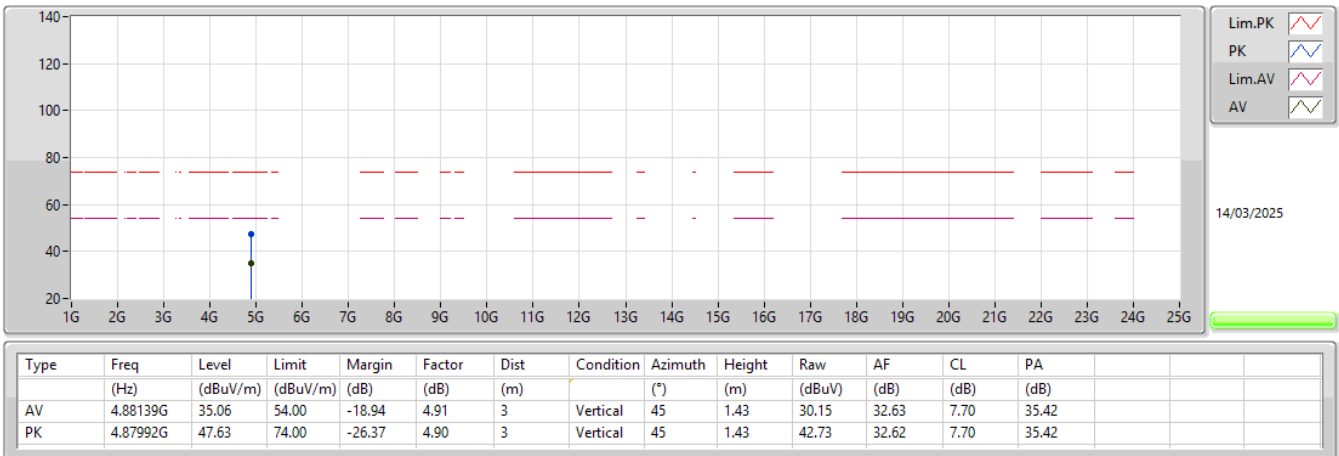
2.4-2.4835GHz_BT-LE(125kbps)

2440MHz_TX



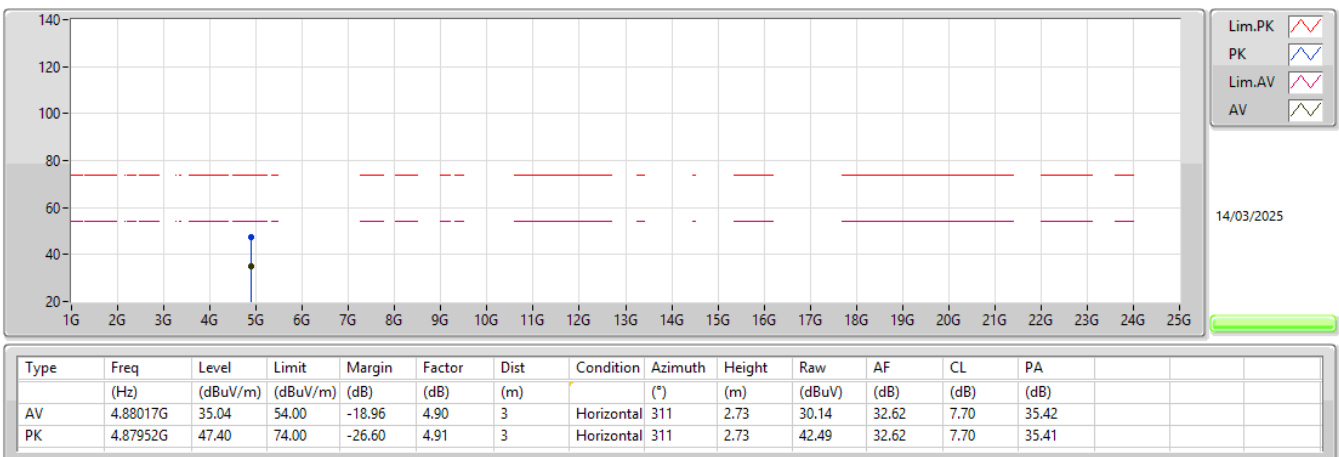
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2440MHz_TX



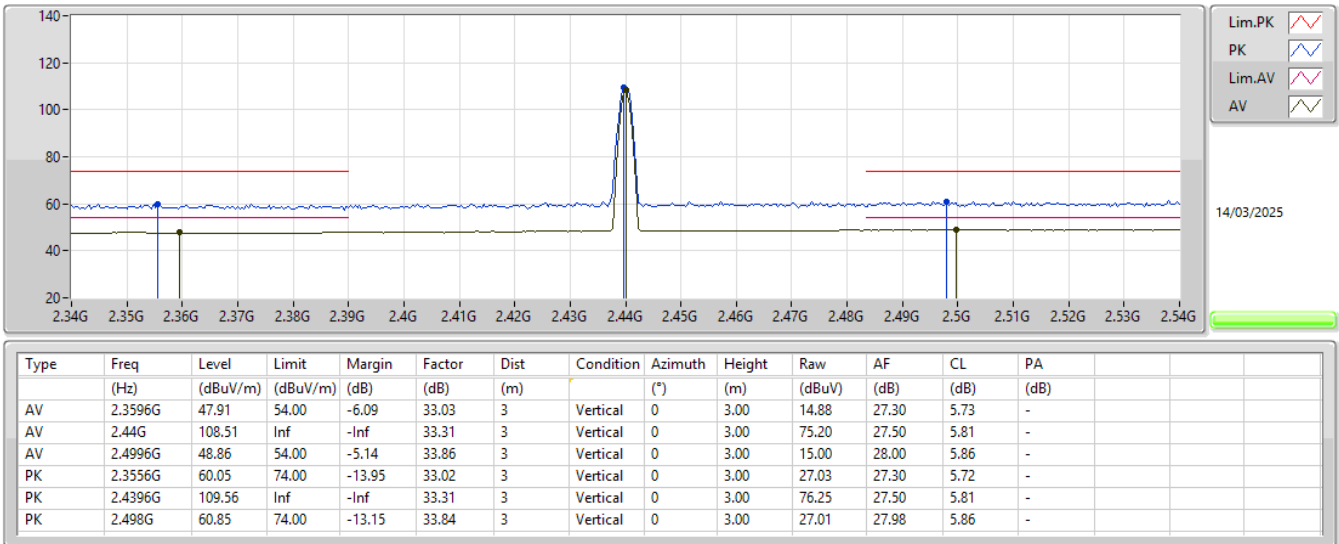
2.4-2.4835GHz_BT-LE(125kbps)

2440MHz_TX



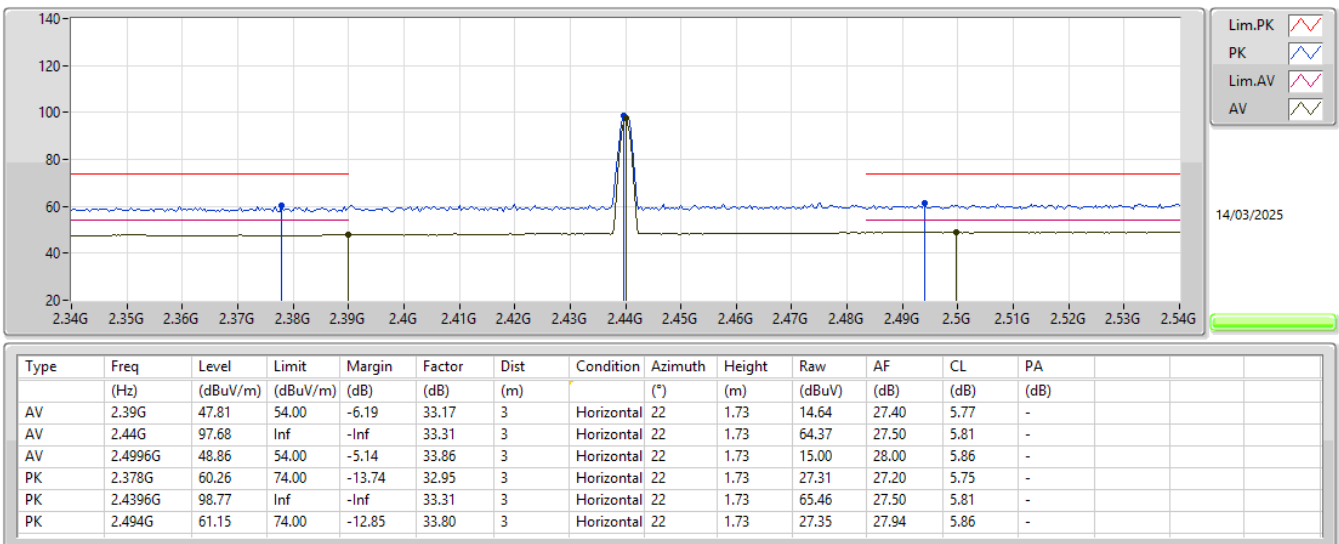
2.4-2.4835GHz_BT-LE(500kbps)

2440MHz_TX



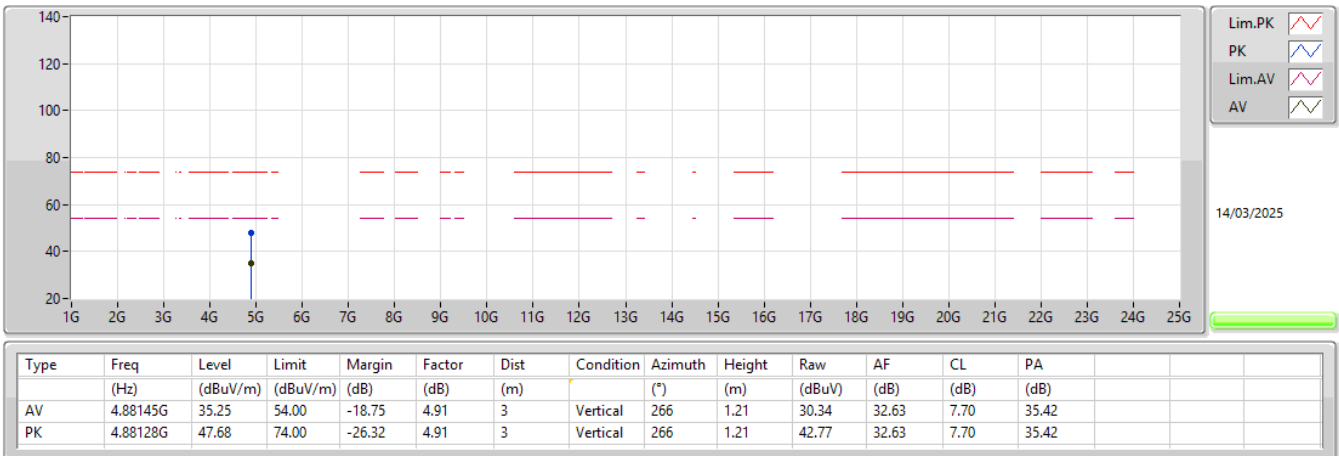
2.4-2.4835GHz_BT-LE(500kbps)

2440MHz_TX



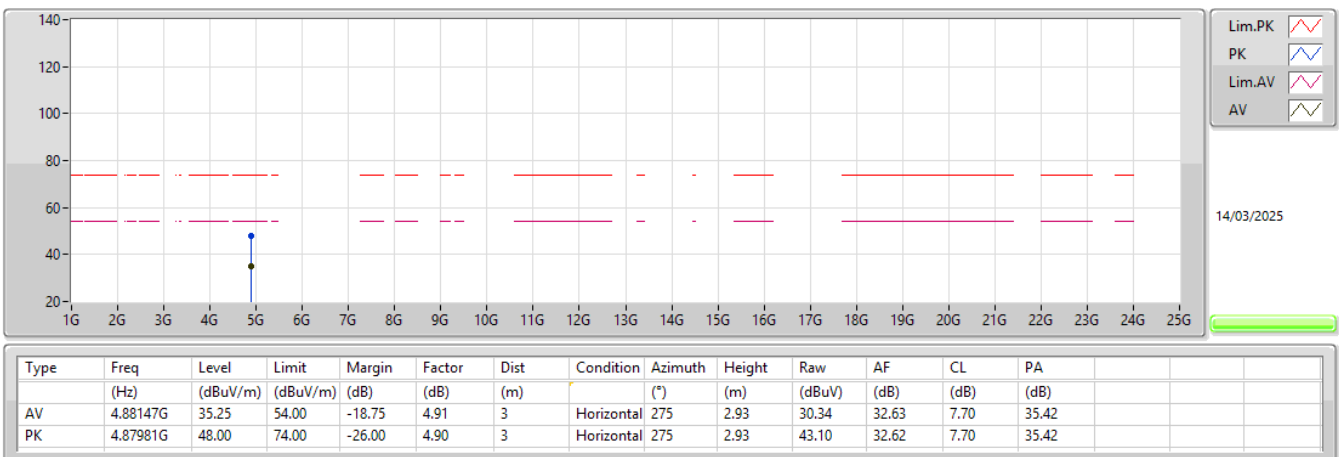
2.4-2.4835GHz_BT-LE(500kbps)

2440MHz_TX



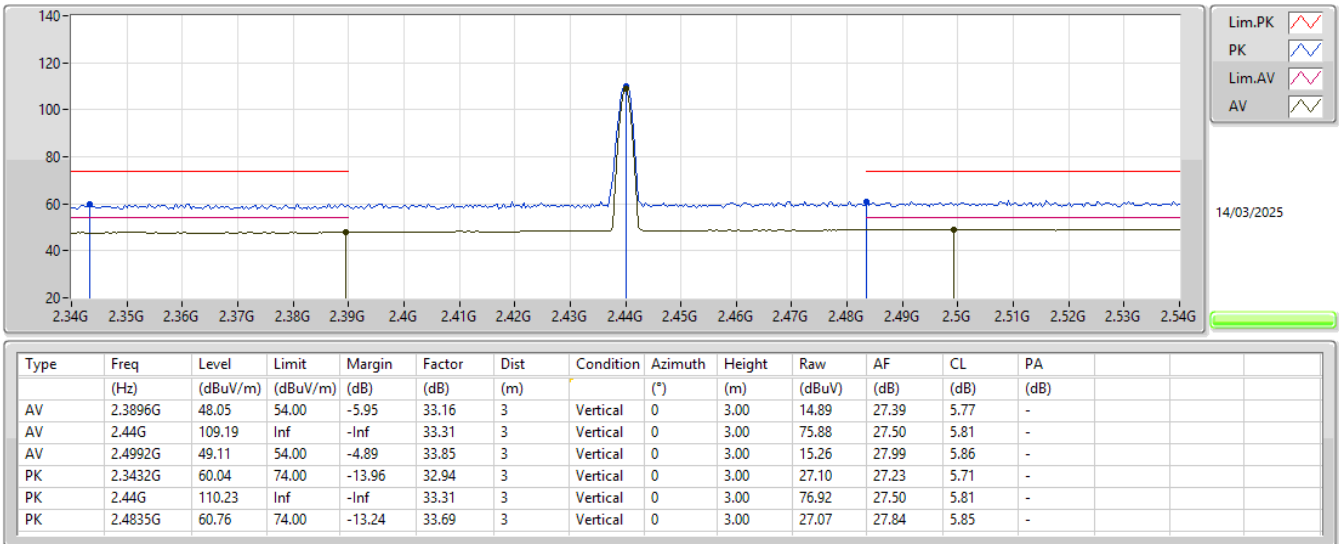
2.4-2.4835GHz_BT-LE(500kbps)

2440MHz_TX



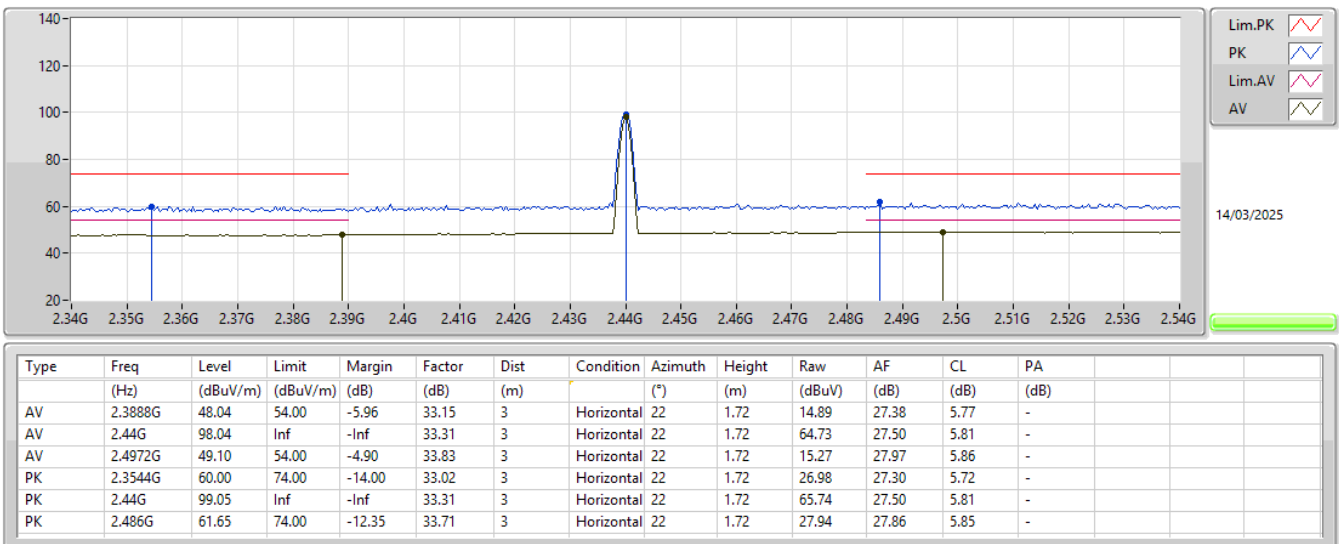
2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX



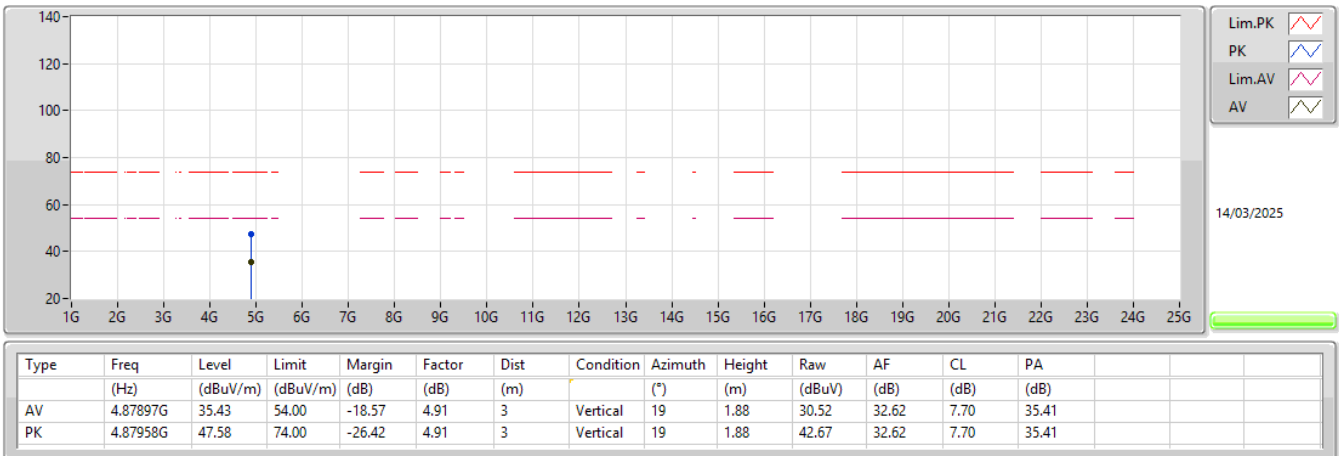
2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX



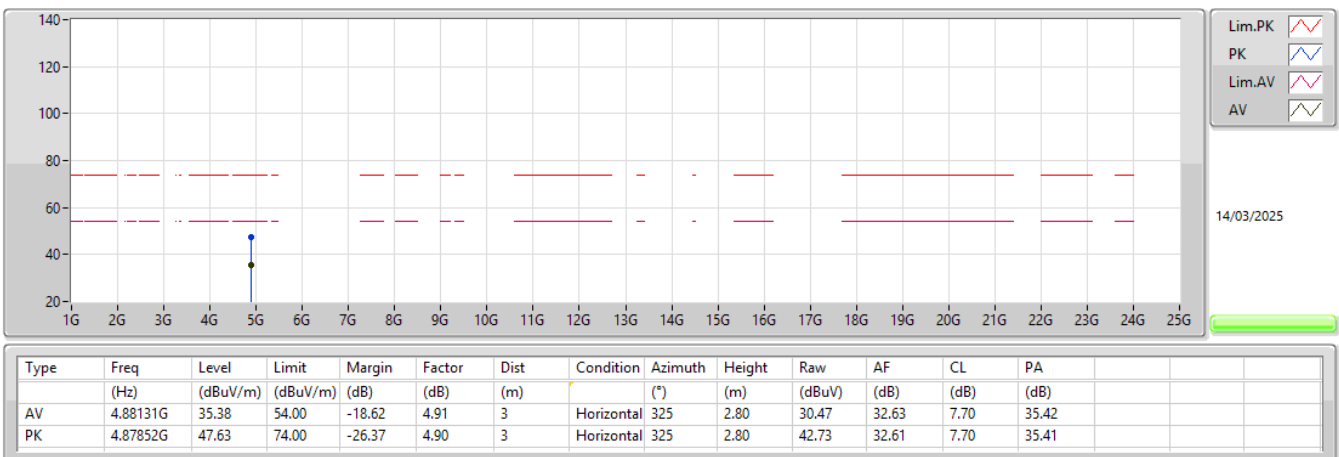
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2440MHz_TX



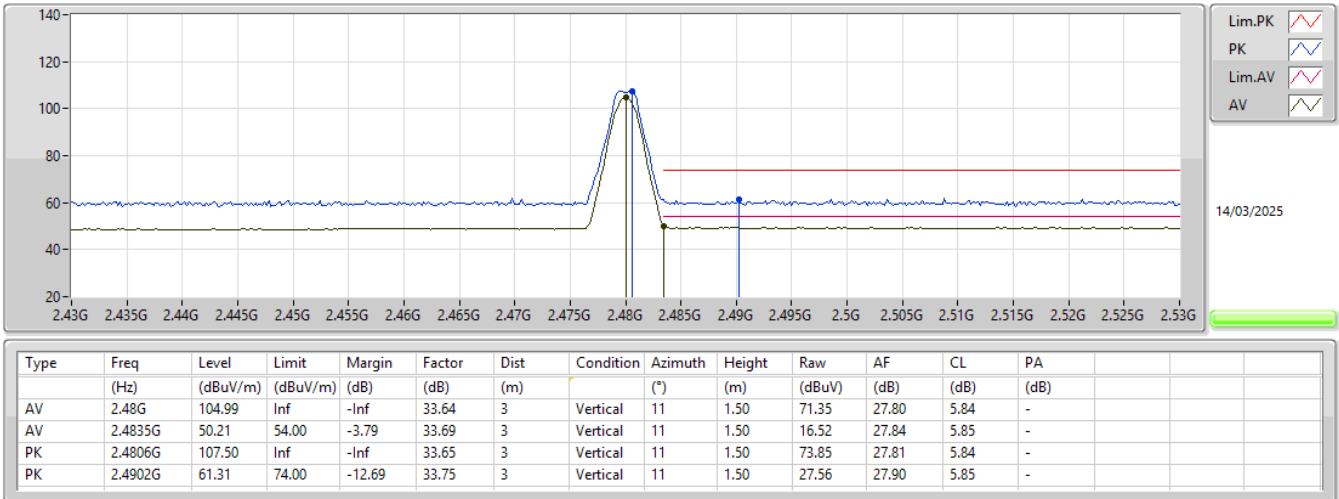
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2440MHz_TX



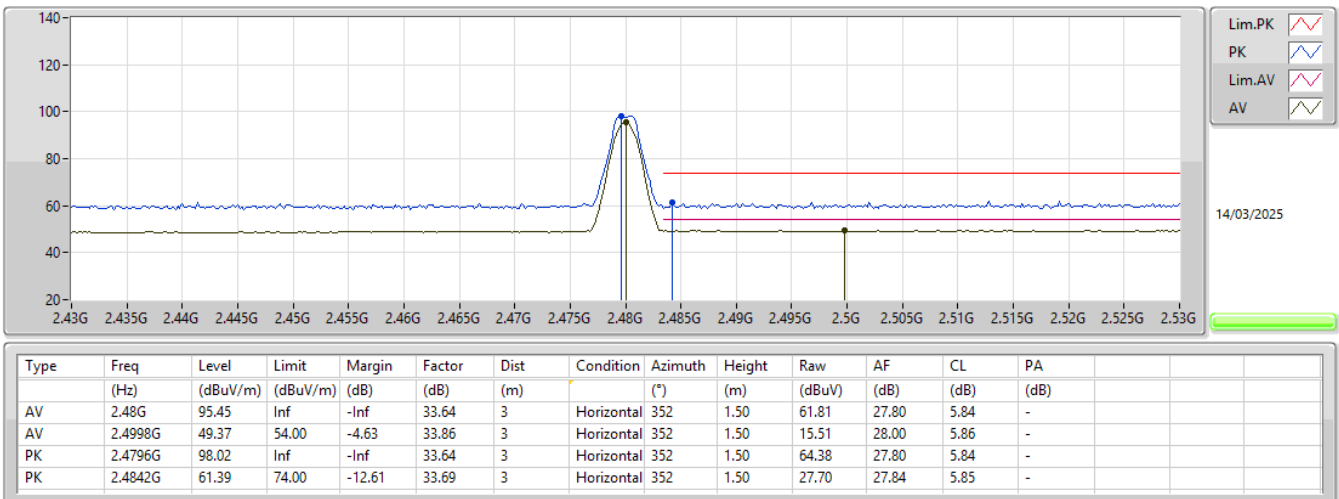
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



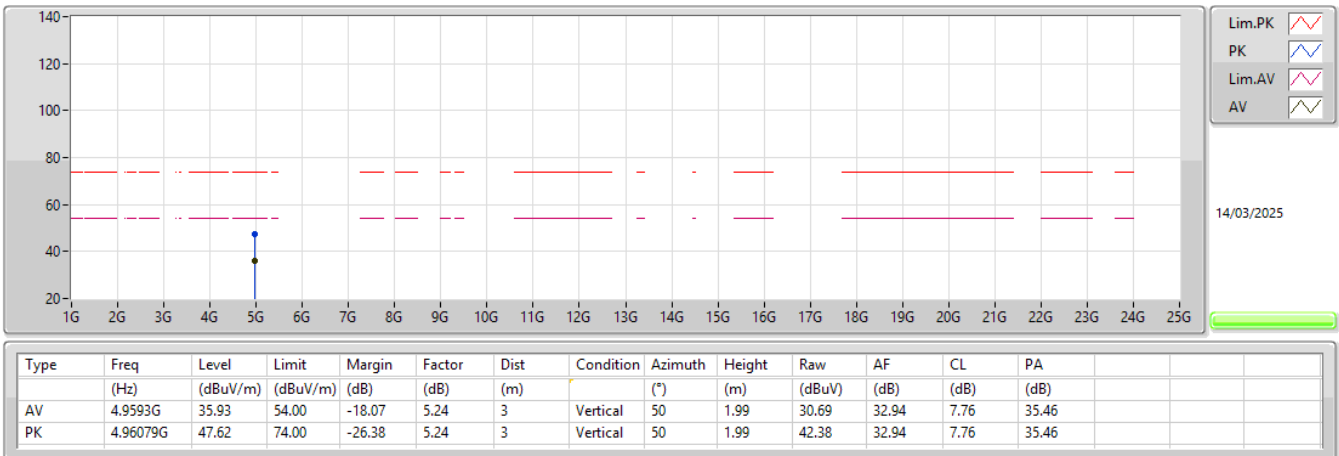
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



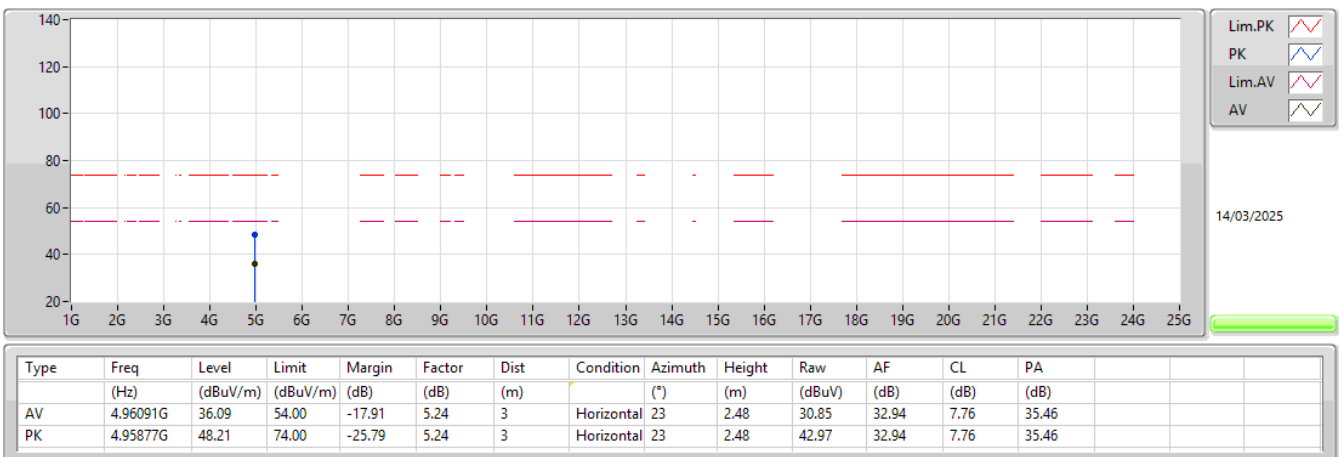
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX





Summary

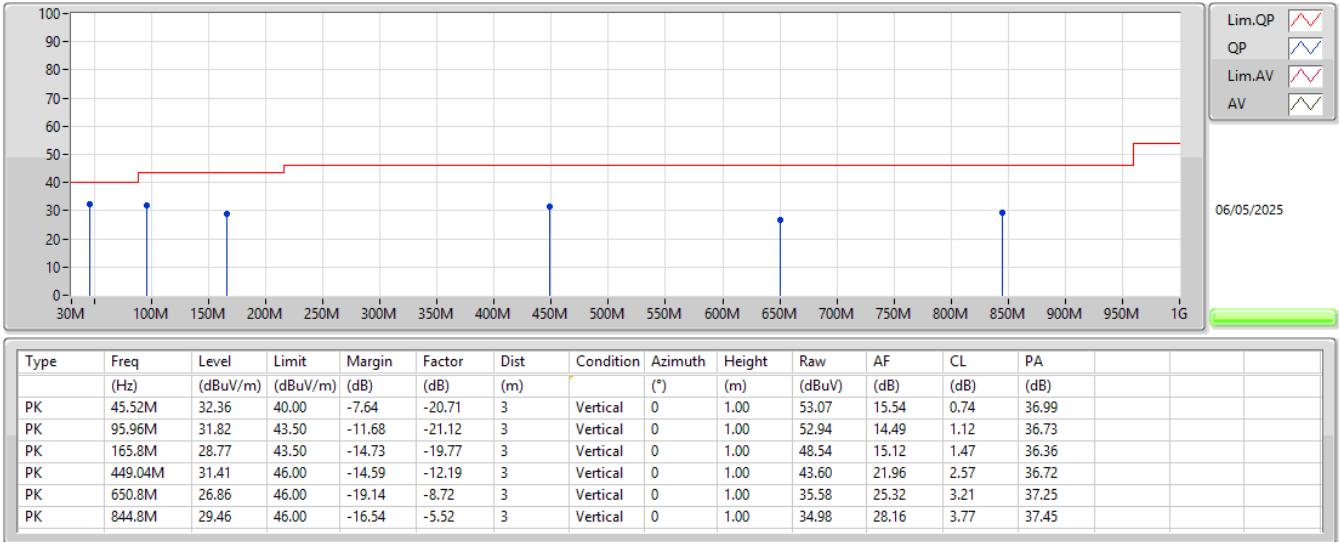
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	95.96M	36.54	43.50	-6.96	3	Horizontal	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_Adapter	Pass	PK	45.52M	32.36	40.00	-7.64	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	95.96M	31.82	43.50	-11.68	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	165.8M	28.77	43.50	-14.73	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	449.04M	31.41	46.00	-14.59	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	650.8M	26.86	46.00	-19.14	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	844.8M	29.46	46.00	-16.54	3	Vertical	0	1.00
2440MHz_Adapter	Pass	PK	95.96M	36.54	43.50	-6.96	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	191.02M	31.83	43.50	-11.67	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	449.04M	32.54	46.00	-13.46	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	650.8M	25.67	46.00	-20.33	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	776.9M	28.97	46.00	-17.03	3	Horizontal	360	1.00
2440MHz_Adapter	Pass	PK	943.74M	31.69	46.00	-14.31	3	Horizontal	360	1.00

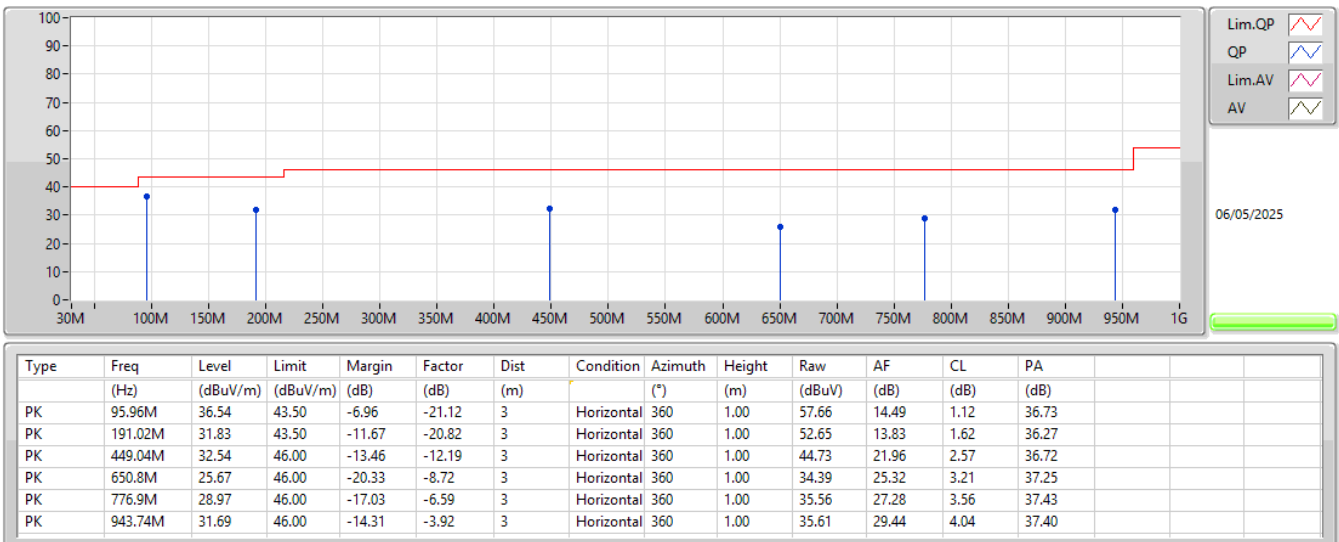
2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Adapter



2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Adapter



**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(125kbps)	Pass	AV	2.4996G	49.05	54.00	-4.95	3	Horizontal	26	1.50
BT-LE(500kbps)	Pass	AV	2.4978G	49.29	54.00	-4.71	3	Horizontal	26	1.50
BT-LE(1Mbps)	Pass	AV	2.4998G	49.31	54.00	-4.69	3	Horizontal	26	1.50
BT-LE(2Mbps)	Pass	AV	2.4998G	49.56	54.00	-4.44	3	Horizontal	26	1.50

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3898G	48.26	54.00	-5.74	3	Horizontal	339	1.50
2402MHz	Pass	AV	2.402G	89.10	Inf	-Inf	3	Horizontal	339	1.50
2402MHz	Pass	PK	2.3816G	60.49	74.00	-13.51	3	Horizontal	339	1.50
2402MHz	Pass	PK	2.402G	90.26	Inf	-Inf	3	Horizontal	339	1.50
2402MHz	Pass	AV	4.80346G	35.64	54.00	-18.36	3	Vertical	99	1.99
2402MHz	Pass	PK	4.80312G	48.69	74.00	-25.31	3	Vertical	99	1.99
2402MHz	Pass	AV	4.8032G	35.64	54.00	-18.36	3	Horizontal	204	2.67
2402MHz	Pass	PK	4.80395G	47.78	74.00	-26.22	3	Horizontal	204	2.67
2440MHz	Pass	AV	2.39G	48.26	54.00	-5.74	3	Horizontal	114	1.50
2440MHz	Pass	AV	2.44G	87.85	Inf	-Inf	3	Horizontal	114	1.50
2440MHz	Pass	AV	2.4976G	49.29	54.00	-4.71	3	Horizontal	114	1.50
2440MHz	Pass	PK	2.3488G	60.27	74.00	-13.73	3	Horizontal	114	1.50
2440MHz	Pass	PK	2.44G	89.08	Inf	-Inf	3	Horizontal	114	1.50
2440MHz	Pass	PK	2.4996G	61.25	74.00	-12.75	3	Horizontal	114	1.50
2440MHz	Pass	AV	4.879G	35.98	54.00	-18.02	3	Vertical	247	1.63
2440MHz	Pass	PK	4.88057G	48.58	74.00	-25.42	3	Vertical	247	1.63
2440MHz	Pass	AV	4.87992G	36.10	54.00	-17.90	3	Horizontal	34	1.50
2440MHz	Pass	PK	4.88069G	48.91	74.00	-25.09	3	Horizontal	34	1.50
2480MHz	Pass	AV	2.48G	89.80	Inf	-Inf	3	Horizontal	26	1.50
2480MHz	Pass	AV	2.4998G	49.31	54.00	-4.69	3	Horizontal	26	1.50
2480MHz	Pass	PK	2.4798G	90.82	Inf	-Inf	3	Horizontal	26	1.50
2480MHz	Pass	PK	2.4946G	61.22	74.00	-12.78	3	Horizontal	26	1.50
2480MHz	Pass	AV	4.95942G	36.04	54.00	-17.96	3	Vertical	278	1.74
2480MHz	Pass	PK	4.96054G	48.47	74.00	-25.53	3	Vertical	278	1.74
2480MHz	Pass	AV	4.96074G	36.21	54.00	-17.79	3	Horizontal	133	1.50
2480MHz	Pass	PK	4.96099G	48.35	74.00	-25.65	3	Horizontal	133	1.50
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.353G	48.63	54.00	-5.37	3	Horizontal	339	3.00
2402MHz	Pass	AV	2.402G	89.03	Inf	-Inf	3	Horizontal	339	3.00
2402MHz	Pass	PK	2.354G	60.32	74.00	-13.68	3	Horizontal	339	3.00
2402MHz	Pass	PK	2.4014G	91.64	Inf	-Inf	3	Horizontal	339	3.00
2402MHz	Pass	AV	4.80344G	36.03	54.00	-17.97	3	Vertical	121	2.82
2402MHz	Pass	PK	4.8046G	48.67	74.00	-25.33	3	Vertical	121	2.82
2402MHz	Pass	AV	4.80451G	36.00	54.00	-18.00	3	Horizontal	271	2.09
2402MHz	Pass	PK	4.80367G	48.05	74.00	-25.95	3	Horizontal	271	2.09
2440MHz	Pass	AV	2.3864G	48.41	54.00	-5.59	3	Horizontal	114	1.50
2440MHz	Pass	AV	2.44G	86.37	Inf	-Inf	3	Horizontal	114	1.50
2440MHz	Pass	AV	2.4976G	49.55	54.00	-4.45	3	Horizontal	114	1.50
2440MHz	Pass	PK	2.3788G	60.20	74.00	-13.80	3	Horizontal	114	1.50
2440MHz	Pass	PK	2.4396G	89.05	Inf	-Inf	3	Horizontal	114	1.50
2440MHz	Pass	PK	2.4984G	60.77	74.00	-13.23	3	Horizontal	114	1.50
2440MHz	Pass	AV	4.8796G	36.52	54.00	-17.48	3	Vertical	159	2.73
2440MHz	Pass	PK	4.87907G	48.71	74.00	-25.29	3	Vertical	159	2.73
2440MHz	Pass	AV	4.88G	36.34	54.00	-17.66	3	Horizontal	228	1.50
2440MHz	Pass	PK	4.87959G	48.70	74.00	-25.30	3	Horizontal	228	1.50
2480MHz	Pass	AV	2.48G	88.45	Inf	-Inf	3	Horizontal	26	1.50
2480MHz	Pass	AV	2.4998G	49.56	54.00	-4.44	3	Horizontal	26	1.50
2480MHz	Pass	PK	2.4794G	91.12	Inf	-Inf	3	Horizontal	26	1.50
2480MHz	Pass	PK	2.4944G	61.83	74.00	-12.17	3	Horizontal	26	1.50
2480MHz	Pass	AV	4.96064G	36.56	54.00	-17.44	3	Vertical	7	1.50
2480MHz	Pass	PK	4.95959G	48.92	74.00	-25.08	3	Vertical	7	1.50
2480MHz	Pass	AV	4.95969G	36.45	54.00	-17.55	3	Horizontal	225	2.26
2480MHz	Pass	PK	4.95982G	48.83	74.00	-25.17	3	Horizontal	225	2.26
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3898G	48.00	54.00	-6.00	3	Horizontal	342	2.91
2402MHz	Pass	AV	2.402G	90.53	Inf	-Inf	3	Horizontal	342	2.91
2402MHz	Pass	PK	2.3524G	60.14	74.00	-13.86	3	Horizontal	342	2.91
2402MHz	Pass	PK	2.4016G	91.83	Inf	-Inf	3	Horizontal	342	2.91
2402MHz	Pass	AV	4.805G	35.31	54.00	-18.69	3	Vertical	92	1.50
2402MHz	Pass	PK	4.80368G	48.25	74.00	-25.75	3	Vertical	92	1.50