



RADIO TEST REPORT

FCC ID : TVE-251020
Equipment : Secured Wireless Access Point
Brand Name : FORTINET
Model Name : FortiAP 244Kxxxxxxxxx, FAP-244Kxxxxxxxxx,
FORTIAP-244Kxxxxxxxxx
(Please refer to section 1.1.5 for detailed information.)
Applicant : Fortinet, Inc.
909 Kifer Road, Sunnyvale, CA 94086, USA
Manufacturer : Fortinet, Inc.
909 Kifer Road, Sunnyvale, CA 94086, USA
Standard : 47 CFR FCC Part 15.247

The product was received on Oct. 02, 2025, and testing was started from Oct. 02, 2025 and completed on Jun. 17, 2026. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2020 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. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Rex Liao

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Information.....	5
1.2 Applicable Standards	10
1.3 Testing Location Information	10
1.4 Measurement Uncertainty	11
2 Test Configuration of EUT	12
2.1 Test Channel Mode	12
2.2 The Worst Case Measurement Configuration	12
2.3 EUT Operation during Test	14
2.4 Accessories	14
2.5 Support Equipment.....	15
2.6 Test Setup Diagram	16
3 Transmitter Test Result	19
3.1 AC Power-line Conducted Emissions	19
3.2 DTS Bandwidth.....	21
3.3 Maximum Conducted Output Power	22
3.4 Power Spectral Density	25
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 Photos	
Photographs of EUT v04	



History of this test report

Report No.	Version	Description	Issued Date
FR5O0812AC	01	Initial issue of report	Mar. 26, 2026
FR5O0812AC	02	1. Adding the Mounting brackets and the Waterproof Cap Type 2 as accessories 2. Updating the Photographs of EUT to v02	Apr. 17, 2026
FR5O0812AC	03	Adding Information for Function in section 1.1.6	May 05, 2026
FR5O0812AC	04	Updating the Photographs of EUT to v03	May 18, 2026
FR5O0812AC	05	Updating the Photographs of EUT to v04	May 19, 2026
FR5O0812AC	06	Disable the 6GHz function and re-evaluate AC power-line conducted emissions and Emissions in Restricted Frequency Bands below 1GHz	Jun. 24, 2026



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	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

1. The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The console port is intended for manufacturer use only and is not accessible to the end-user.

Reviewed by: Sam Chen**Report Producer: Sophia Shiung**



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 (MHz)	Nant
2.4-2.4835GHz	BT-LE(1Mbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(500Kb/s)	1.0	1TX
2.4-2.4835GHz	BT-LE(125Kb/s)	1.0	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	2.0	1TX

Note:

- ♦ Bluetooth LE uses a GFSK modulation.
- ♦ BWch is the nominal channel bandwidth.

**1.1.2 Antenna Information**

Ant.	Port					Brand	Model Name	Antenna Type	Connector	Remark
	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	BT/ Zigbee	GNSS					
1	1	2	-	-	-	Grand-Tek	2034G00000370	Dipole	I-PEX	Radio 0
2	2	1	-	-	-	Grand-Tek	2034G00000380	Dipole	I-PEX	
3	-	-	2	-	-	Grand-Tek	203CG00000150	Dipole	I-PEX	Radio 1
4	-	-	1	-	-	Grand-Tek	203CG00000160	Dipole	I-PEX	
5	-	-	-	1	-	Grand-Tek	2039G00000090	Dipole	I-PEX	Radio 2
6	-	-	-	-	1	Grand-Tek	2031G00000150	Ceramic	I-PEX	Radio 4
7	2	2	2	-	-	Grand-Tek	203DG00000140	Dipole	I-PEX	Radio 3
8	1	1	1	-	-	Grand-Tek	203DG00000150	Dipole	I-PEX	

Ant.	Gain (dBi)									Remark
	WLAN 2.4GHz (MHz)			WLAN 5GHz (MHz)						
	2400	2450	2500	5100	5350	5500	5650	5785	5900	
1	8.8	9.2	8.0	9.5	9.4	9.2	9.3	9.1	9.1	Radio 0
2	8.8	9.8	8.3	10.1	10.8	10.0	9.0	8.5	9.0	

Ant.	Gain (dBi)		Remark
	WLAN 6GHz (MHz)		
	5925	6550	
3	8.3	8.5	Radio 1
4	8.5	9.4	

Ant.	Gain (dBi)				Remark
	BT / Zigbee (MHz)			GNSS (MHz)	
	2400	2450	2500		
5	7.3	7.9	7.2	-	Radio 2
6	-	-	-	5.2	Radio 4

Ant.	Gain (dBi)											Remark
	WLAN 2.4GHz (MHz)			WLAN 5GHz (MHz)						WLAN 6GHz (MHz)		
	2400	2450	2500	5100	5350	5500	5650	5785	5900	5925	6550	
7	7.3	7.0	6.1	6.4	6.4	6.5	7.0	7.3	7.5	8.0	6.8	Radio 3
8	6.2	7.0	6.3	6.0	5.8	5.5	6.0	6.5	6.6	7.0	5.9	

Note 1: The above information was declared by manufacturer.

Note 2: The WLAN 6GHz function is not enabled for this application.

Note 3: Directional gain information for WLAN 2.4GHz and 5GHz

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

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,2) = 10^{G3/20} ; NSS1(g1,2) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where;

<Radio 0>

2.4G G1= 9.8 dBi; G2= 9.2 dBi; DG= 12.52 dBi

5G UNII-1 G1= 9.5 dBi; G2= 10.1 dBi; DG= 12.82 dBi

5G UNII-2A G1= 9.4 dBi; G2= 10.8 dBi; DG= 13.14 dBi

5G UNII-2C G1= 9.3 dBi; G2= 10 dBi; DG= 12.67 dBi

5G UNII-3 G1= 9.1 dBi; G2= 8.5 dBi; DG= 11.82 dBi

<Radio 3>

2.4G G1= 7.3 dBi; G2= 7 dBi; DG= 10.16 dBi

5G UNII-1 G1= 6.4 dBi; G2= 6 dBi; DG= 9.21 dBi

5G UNII-2A G1= 6.4 dBi; G2= 5.8 dBi; DG= 9.12 dBi

5G UNII-2C G1= 7 dBi; G2= 6 dBi; DG= 9.52 dBi

5G UNII-3 G1= 7.5 dBi; G2= 6.6 dBi; DG= 10.07 dBi

Note 4: <Radio 0>

For 2.4GHz function:

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

**<Radio 1>****For 6GHz function:****For IEEE 802.11 a/ax/be (2TX/2RX):**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<Radio 2>**For Bluetooth and Zigbee function (1TX/1RX):**

Only Port 1 can be used as transmitting/receiving antenna.

<Radio 3>**For 2.4GHz function:****For IEEE 802.11 b/g/n/VHT/ax (2TX/2RX):**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:**For IEEE 802.11 a/n/ac/ax (2TX/2RX):**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For 6GHz function:**For IEEE 802.11 a/ax (2TX/2RX):**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For GNSS function (1RX):

Only Port 1 can be used as receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-LE(1Mbps)	0.68	1.67	425u	3k
BT-LE(2Mbps)	0.376	4.25	235u	10k

Note:

- ◆ DC is Duty Cycle.
- ◆ DCF is Duty Cycle Factor.

**1.1.4 EUT Operational Condition**

EUT Power Type	From PoE			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	DOS [V10.0.19045.6456]			
Support Mode	☒	LE 1M PHY: 1 Mb/s		
	☒	LE Coded PHY (S=2): 500 Kb/s		
	☒	LE Coded PHY (S=8): 125 Kb/s		
	☒	LE 2M PHY: 2 Mb/s		

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Model Name	Description
FortiAP 244Kxxxxxxxxx	Where "x" can be used as "A-Z", "0-9", "-", or blank for software changes or marketing purposes only.
FAP-244Kxxxxxxxxx	
FORTIAP-244Kxxxxxxxxx	

Note 1: From models above, model "FAP-244K" was selected to test.

Note 2: The above information was declared by manufacturer.

1.1.6 Table for Radio Function

Radio (R)	Function	WLAN 2.4GHz	WLAN 5GHz		WLAN 6GHz	BT / Zigbee	GNSS
			UNII 1/3	UNII 2A~2C			
R0 (Service Radio)	AP Router	✓	✓	✓	-	-	-
	Bridge, Repeater, Extender, Mesh	✓	✓	-	-	-	-
R1 (Service Radio)	AP Router	-	-	-	-	-	-
R2	-	-	-	-	-	✓	-
R3 (Scan Radio)	-	✓	✓	✓	-	-	-
R4	-	-	-	-	-	-	✓

Note 1: For WLAN 2.4GHz and 5GHz, R0 and R3 can't operate at the same frequency simultaneously.

Note 2: The AP Router mode was tested and its data was recorded in this report.

Note 3: The above information was declared by manufacturer.



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.247
- ♦ ANSI C63.10-2020

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

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Mason Chen	22~23.3 / 58~62	Oct. 27, 2025~ Feb. 02, 2026
Radiated < 1GHz	10CH01-CB	Stim Sung	22~23 / 63~64	Jun. 17, 2026
Radiated > 1GHz	03CH02-CB	Gordon Gung	22~23 / 61~63	Oct. 02, 2025~ Jan. 28, 2026
	03CH06-CB		22.5~22.9 / 58~60	
	03CH01-CB		22.1~23.1 / 60~62	
AC Conduction	CO01-CB	Allen Chung	22~23 / 58~59	Jun. 10, 2026



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
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.9 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.0 dB	Confidence levels of 95%
Bandwidth Measurement	1.0 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
BT-LE(1Mbps)
2402MHz
2440MHz
2478MHz
2480MHz
BT-LE(2Mbps)
2402MHz
2440MHz
2478MHz
2480MHz

Note:

- ♦ 1Mbps, 500Kb/s, and 125Kb/s modes were the same bandwidth. The 1Mbps mode generated the worst case; thus it was selected to test.

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	Normal Link
1	EUT + Power cable 1_R0: 2.4/5GHz + R2: BT + R3: 2.4GHz + R4: GNSS
2	EUT + Power cable 1_R0: 2.4/5GHz + R2: Zigbee + R3: 2.4GHz + R4: GNSS
Mode 1 has been evaluated to be the worst case among Mode 1~2, so the measurement for Mode 3 will follow this same test mode.	
3	EUT + Power cable 1_R0: 2.4/5GHz + R2: BT + R3: 5GHz + R4: GNSS
Mode 1 has been evaluated to be the worst case among Mode 1~3, so the measurement for Mode 4 will follow this same test mode.	
4	EUT + Power cable 2_R0: 2.4/5GHz + R2: BT + R3: 2.4GHz + R4: GNSS
For operating, mode 1 is the worst case and it was recorded in this test report.	



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	Normal Link
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis + Power cable 1_R0: 2.4/5GHz + R2: BT + R3: 2.4GHz + R4: GNSS
2	EUT in Y axis + Power cable 1_R0: 2.4/5GHz + R2: Zigbee + R3: 2.4GHz + R4: GNSS
Mode 2 has been evaluated to be the worst case among Mode 1~2, so the measurement for Mode 3 will follow this same test mode.	
3	EUT in Y axis + Power cable 1_R0: 2.4/5GHz + R2: Zigbee + R3: 5GHz + R4: GNSS
Mode 2 has been evaluated to be the worst case among Mode 1~3, so the measurement for Mode 4 will follow this same test mode.	
4	EUT in Y axis + Power cable 2_R0: 2.4/5GHz + R2: Zigbee + R3: 2.4GHz + R4: GNSS
For operating, mode 2 is the worst case and it was recorded in this test report.	
Operating Mode > 1GHz	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	R0: 2.4/5GHz + R2: BT + R3: 2.4GHz
2	R0: 2.4/5GHz + R2: Zigbee + R3: 2.4GHz
3	R0: 2.4/5GHz + R2: BT + R3: 5GHz
4	R0: 2.4/5GHz + R2: Zigbee + R3: 5GHz
Refer to Sporton Test Report No.: FA500812 for Co-location RF Exposure Evaluation.	

Note: "R" = "Radio".



2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
PoE	PHIHONG	POE60U-BTA	Input: 100-240V ~ 1.5A, 50-60Hz Output 1: 56V, 0.535A, 30W Output 2: 56V, 0.535A, 30W
Others			
Power cable 1*1: Non-shielded, 1m			
Power cable 2*1: Non-shielded, 1m			
Mounting bracket 1*1			
Mounting bracket 2*1			
Mounting bracket 3*1			
Mounting bracket 4*1			
Ground cable*1: Non-shielded, 1m			
Waterproof Connector Type 1*1			
Waterproof Connector Type 2*1			
Waterproof Cap Type 1*1			
Waterproof Cap Type 2*1			



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Transceiver	xtramus	N/A	N/A
B	LAN1/PoE 5G PC	ASUS	S300TA	TX2-RTL8821CE
C	LAN2/SFP+10G PC	ASUS	S300TA	TX2-RTL8821CE
D	BT Device	FORTINET	FAP-244K	N/A
E	5G NB	Lenovo	X260	N/A
F	2.4G NB	Lenovo	X260	N/A
G	GPS Simulator	WELNAVIGATE	GS-100	N/A
H	BT Device NB	Lenovo	X260	N/A

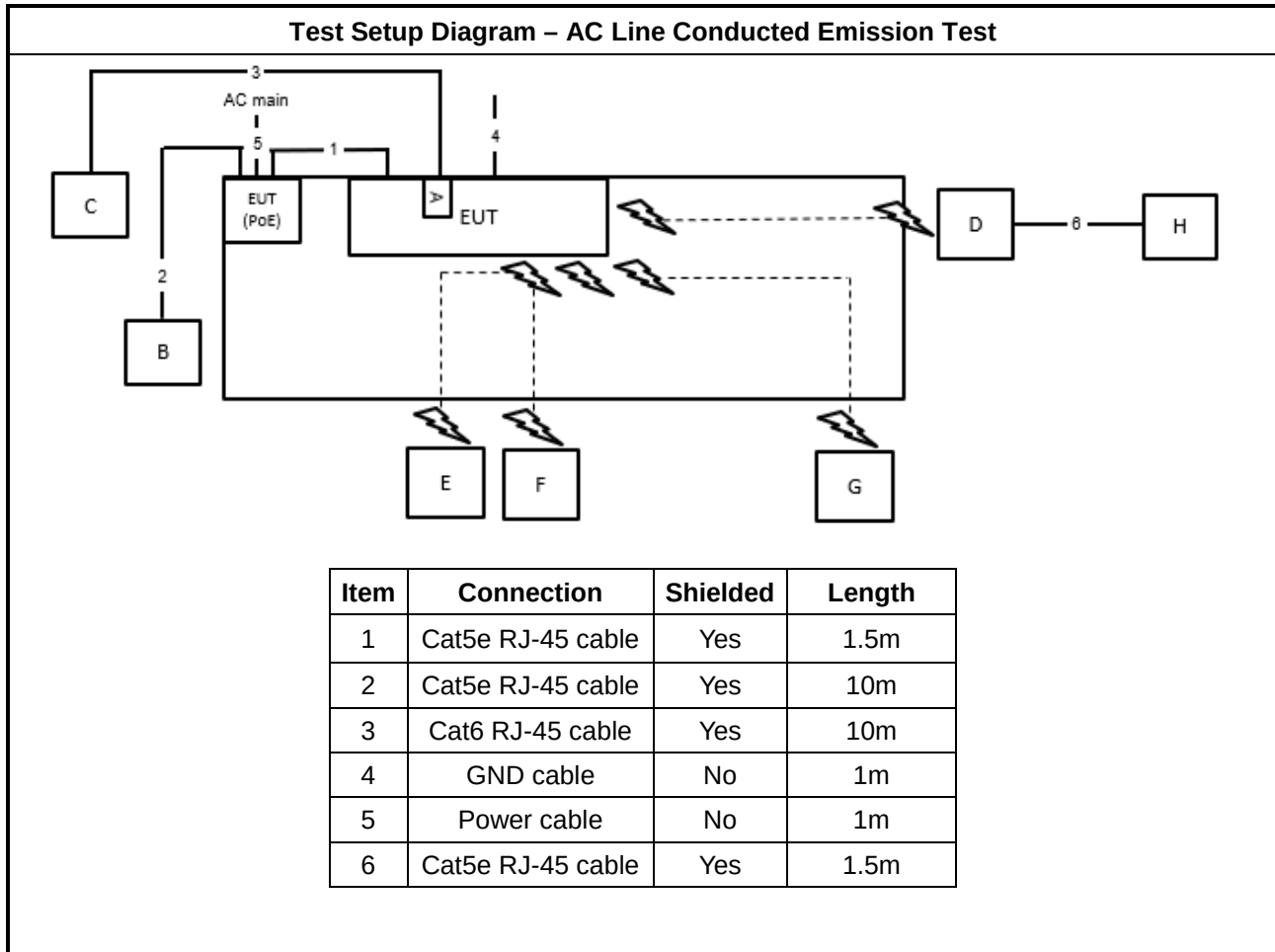
For Radiated < 1GHz:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Transceiver	xtramus	N/A	N/A
B	Zigbee Device NB	Lenovo	X260	N/A
C	LAN1/PoE 5G PC	ASUS	S300TA	TX2-RTL8821CE
D	LAN2/SFP+10G PC	ASUS	S300TA	TX2-RTL8821CE
E	Zigbee Device	FORTINET	FAP-244K	N/A
F	5G NB	Lenovo	X260	N/A
G	2.4G NB	Lenovo	X260	N/A
H	GPS Simulator	WELNAVIGATE	GS-100	N/A

For Radiated > 1GHz and RF Conducted:

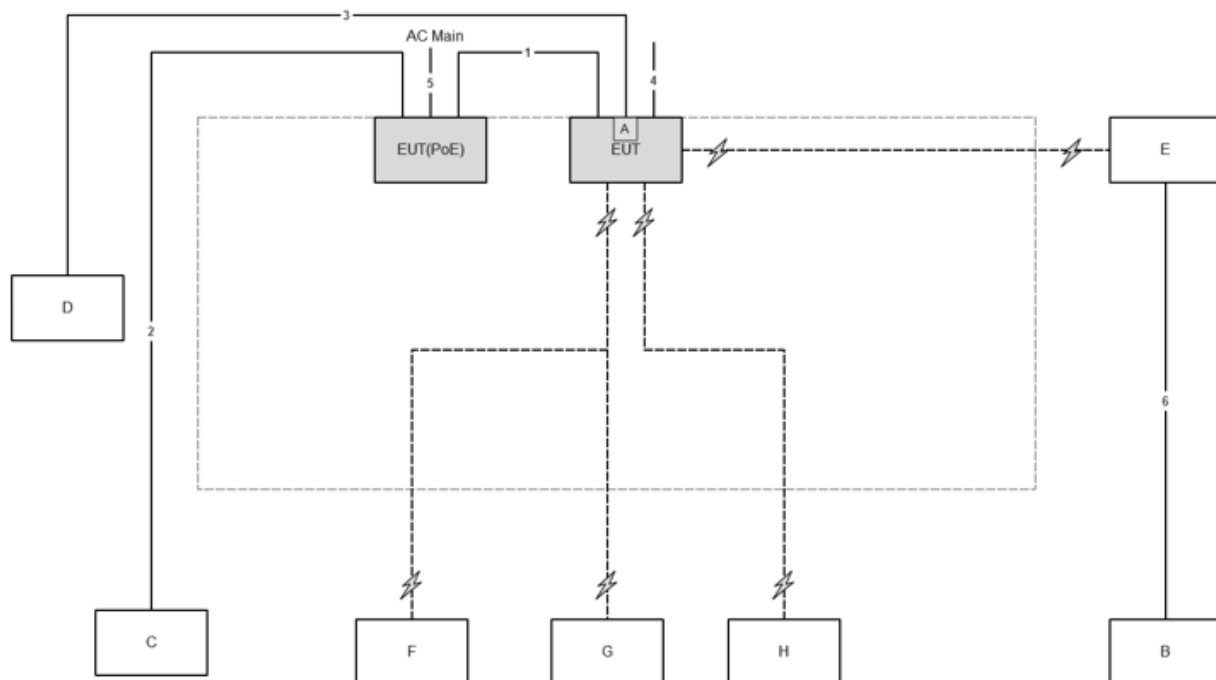
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

2.6 Test Setup Diagram

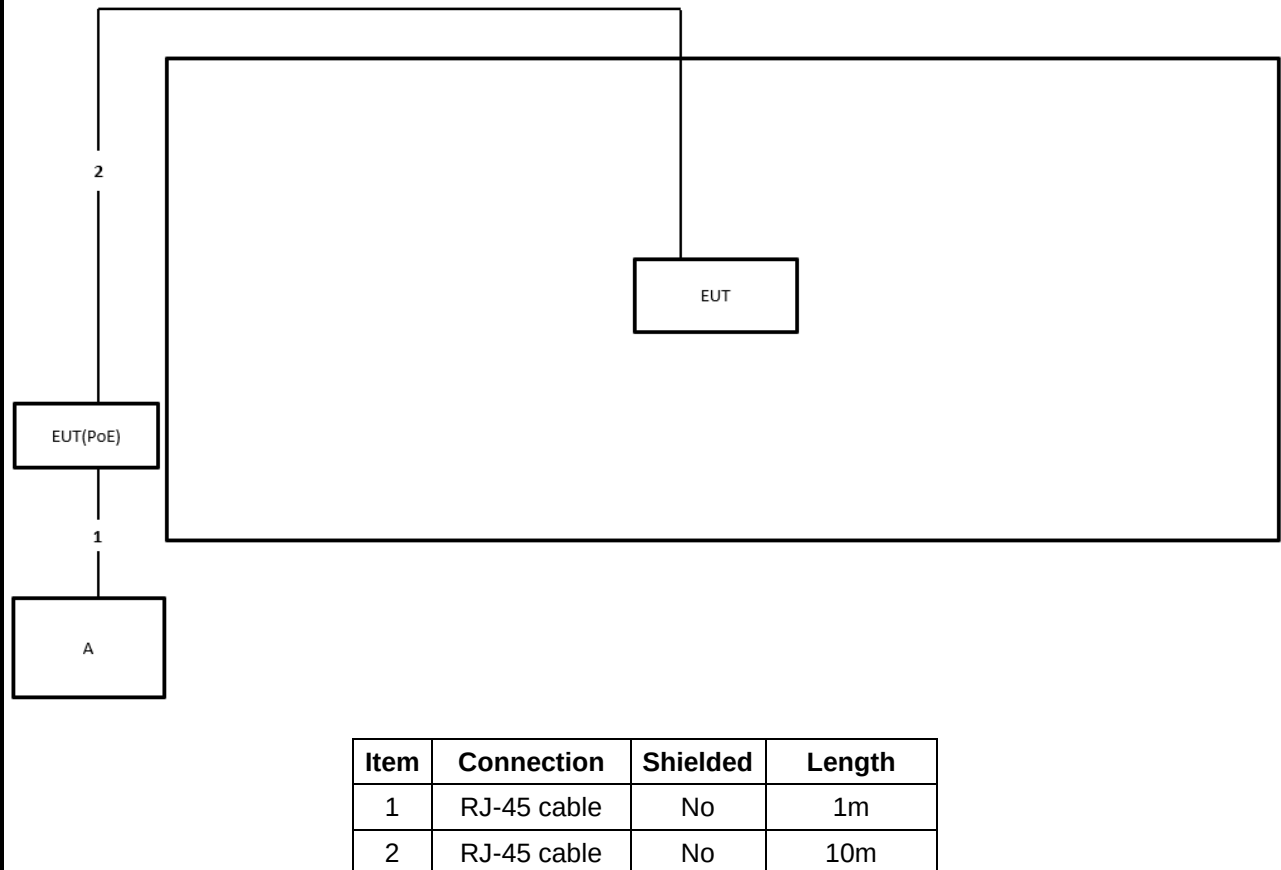




Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Cat5e RJ-45 cable	Yes	1.5m
2	Cat5e RJ-45 cable	Yes	10m
3	Cat6 RJ-45 cable	Yes	10m
4	GND cable	No	1m
5	Power cable	No	1m
6	Cat5e RJ-45 cable	Yes	1.5m

Test Setup Diagram - Radiated Test > 1GHz


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.		

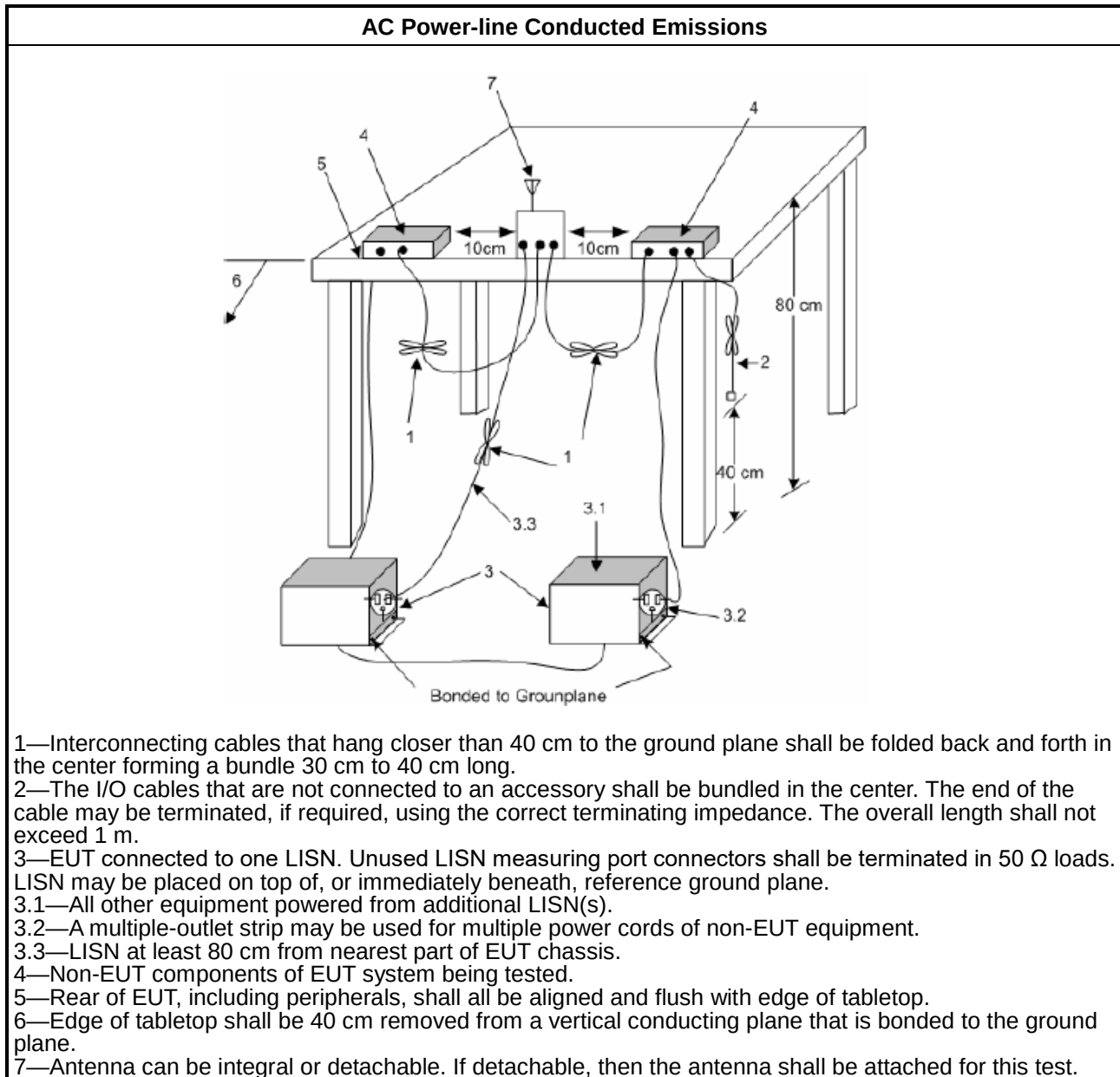
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2020, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



1.1.1. Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- Margin = -Limit + Level

3.1.5 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.

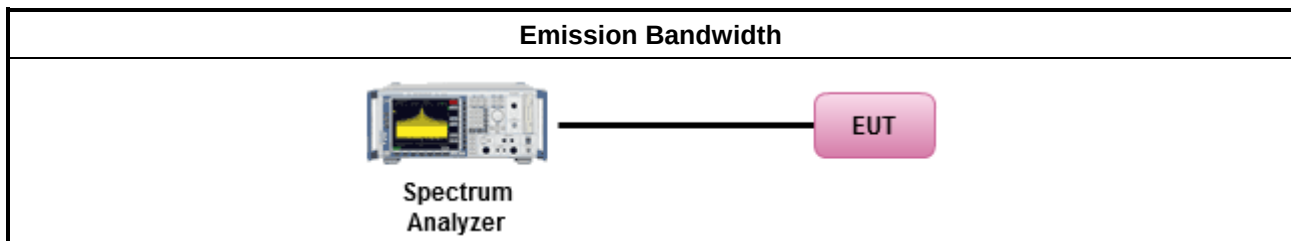
3.2.2 Measuring Instruments

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 FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
☐	Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 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
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

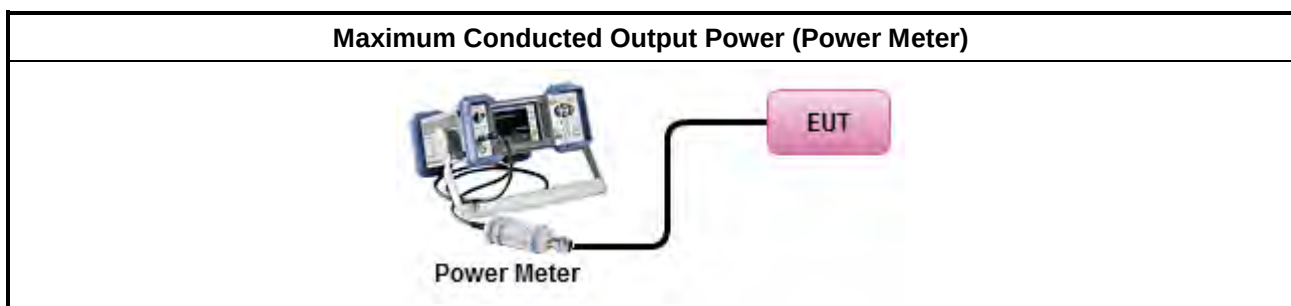
3.3.2 Measuring Instruments

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 FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
☐	Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
Maximum Conducted Output Power	
[duty cycle ≥ 98% or external video / power trigger]	
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
duty cycle < 98% and average over on/off periods with duty factor	
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
Measurement using a power meter (PM)	
☐	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
☒	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC 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

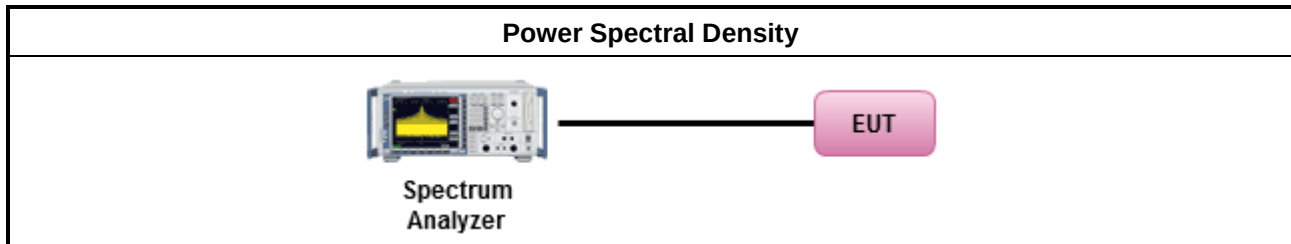
3.4.2 Measuring Instruments

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 FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD. [duty cycle $\geq 98\%$ or external video / power trigger]
▪ For conducted measurement.	
▪ If The EUT supports multiple transmit chains using options given below:	
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add $10 \log(N)$ dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with $10 \log(N)$. Or each transmit chains shall be add $10 \log(N)$ to compared with the limit.

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 (dBc)
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 PSD 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 PSD level.	

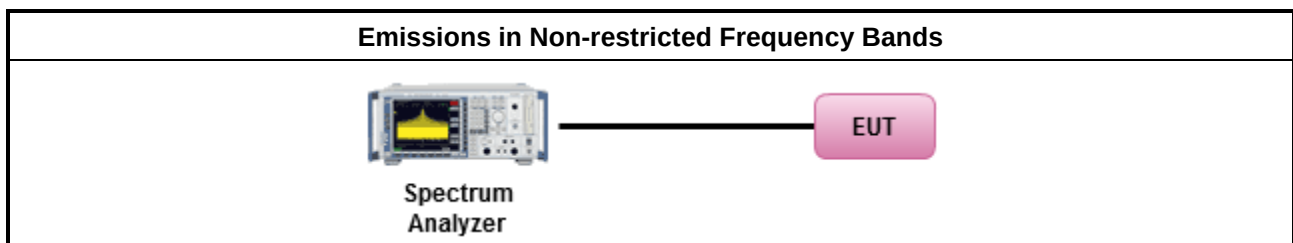
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted 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

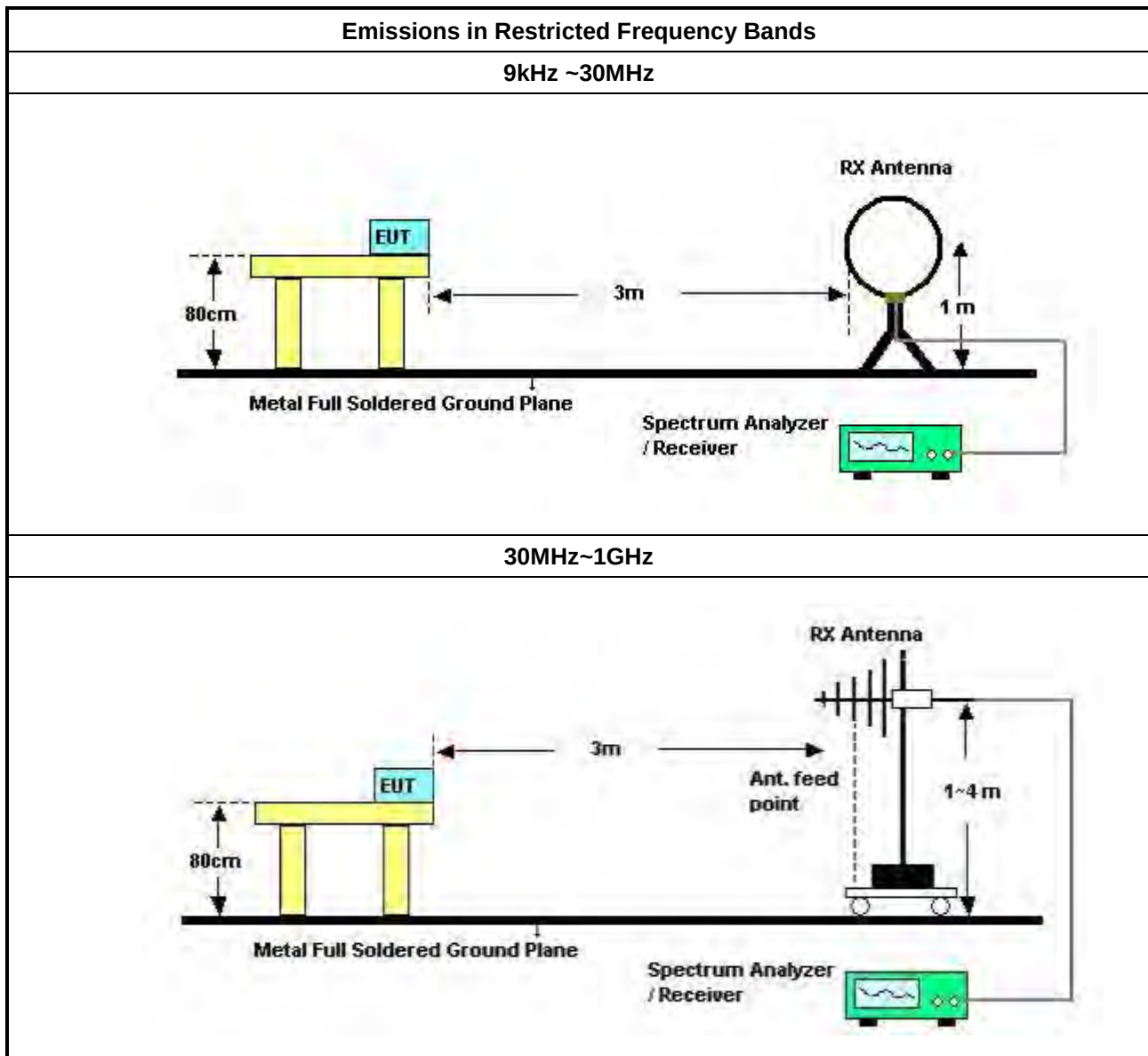
Refer a test equipment and calibration data table in this test report.

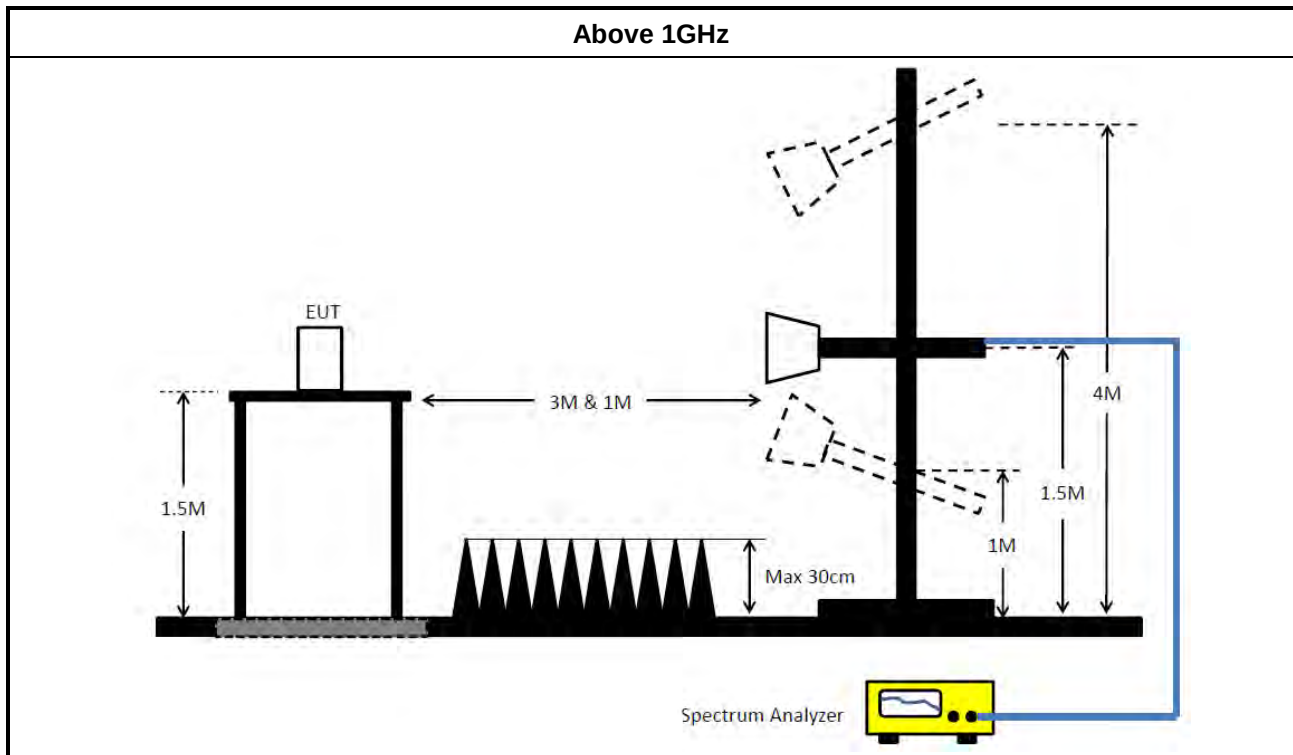


3.6.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle ≥ 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 FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq 98\%$).
☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW $\geq 1/T$).
☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as FCC KDB 558074 clause 8.7 & c63.10 clause 11.13.1, 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 FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 12, 2026	Mar. 11, 2027	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 04, 2026	Feb. 03, 2027	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 10, 2026	Apr. 09, 2027	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
COND Cable	Woken	Cable	CO01	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 20, 2025	Oct. 19, 2026	Radiation (10CH01-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 14, 2026	Jan. 13, 2027	Radiation (10CH01-CB)
Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 07, 2026	Mar. 06, 2027	Radiation (10CH01-CB)
Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 07, 2026	Mar. 06, 2027	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 14, 2025	Oct. 13, 2026	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 14, 2025	Oct. 13, 2026	Radiation (10CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Sep. 03, 2025	Sep. 02, 2026	Radiation (10CH01-CB)
Bilog Ant & 6dB Attenuator	SCHWARZBECK & EMCI	VULB 9168 & N-6-06	1469 & AT-N06021	30MHz ~ 1GHz	Jan. 08, 2026	Jan. 07, 2027	Radiation (10CH01-CB)
Amplifier	EM	EM101	060703	10MHz ~ 1GHz	Oct. 15, 2025	Oct. 14, 2026	Radiation (10CH01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (10CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 03, 2025	May 02, 2026	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Aug. 22, 2025	Aug. 21, 2026	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Aug. 22, 2025	Aug. 21, 2026	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 16, 2025	May 15, 2026	Radiation (03CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Dec. 12, 2024	Dec. 11, 2025	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Dec. 12, 2025	Dec. 11, 2026	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Apr. 30, 2025	Apr. 29, 2026	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-15247_FS	V5.11.27	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 23, 2025	Mar. 22, 2026	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 15, 2025	Apr. 14, 2026	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Aug. 22, 2025	Aug. 21, 2026	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 28, 2025	Jun. 27, 2026	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Aug. 20, 2025	Aug. 19, 2026	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 19, 2025	Jun. 18, 2026	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 19, 2025	Jun. 18, 2026	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Apr. 30, 2025	Apr. 29, 2026	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-15247_FS	V5.11.27	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 08, 2024	Oct. 07, 2025	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 22, 2025	Aug. 21, 2026	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Aug. 22, 2025	Aug. 21, 2026	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 30, 2025	Jul. 29, 2026	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 21, 2025	Nov. 20, 2026	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 27, 2025	Aug. 26, 2026	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Apr. 30, 2025	Apr. 29, 2026	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-15247_FS	V5.11.27	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Sep. 03, 2025	Sep. 02, 2026	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1531343	300MHz~40GHz	Aug. 29, 2025	Aug. 28, 2026	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1728001	300MHz~40GHz	Aug. 29, 2025	Aug. 28, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1–18 GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (TH02-CB)
Test Software	SPORTON	SENSE-15247_FS	V5.11.27	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Conducted (TH02-CB)

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



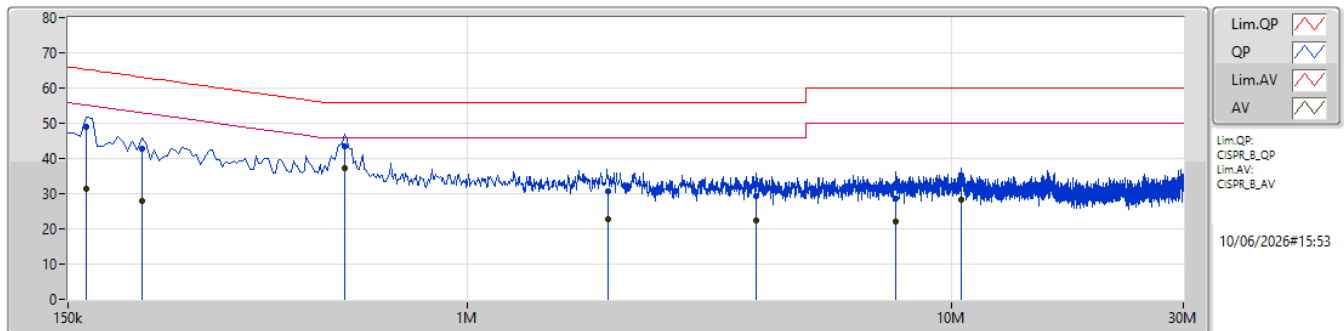
Conducted Emissions at Powerline

Appendix A

Summary

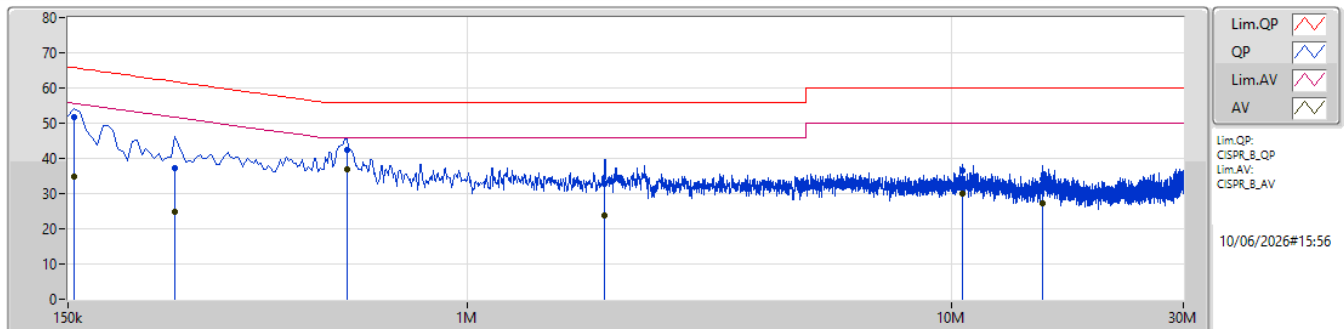
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	559.5k	37.31	46.00	-8.69	Line

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	163.5k	49.00	65.27	-16.27	10.01	Line	-	38.99	0.08	0.09	9.84						
AV	163.5k	31.26	55.27	-24.01	10.01	Line	-	21.25	0.08	0.09	9.84						
QP	213k	42.79	63.09	-20.30	9.92	Line	-	32.87	0.08	0.07	9.77						
AV	213k	28.08	53.09	-25.01	9.92	Line	-	18.16	0.08	0.07	9.77						
QP	559.5k	43.46	56.00	-12.54	10.12	Line	-	33.34	0.09	0.13	9.90						
AV	559.5k	37.31	46.00	-8.69	10.12	Line	"Worst"	27.19	0.09	0.13	9.90						
QP	1.946M	30.58	56.00	-25.42	10.01	Line	-	20.57	0.12	0.14	9.75						
AV	1.946M	22.82	46.00	-23.18	10.01	Line	-	12.81	0.12	0.14	9.75						
QP	3.953M	29.31	56.00	-26.69	10.05	Line	-	19.26	0.15	0.14	9.76						
AV	3.953M	22.53	46.00	-23.47	10.05	Line	-	12.48	0.15	0.14	9.76						
QP	7.661M	28.76	60.00	-31.24	10.45	Line	-	18.31	0.21	0.23	10.01						
AV	7.661M	22.18	50.00	-27.82	10.45	Line	-	11.73	0.21	0.23	10.01						
QP	10.437M	35.09	60.00	-24.91	10.66	Line	-	24.43	0.24	0.28	10.14						
AV	10.437M	28.22	50.00	-21.78	10.66	Line	-	17.56	0.24	0.28	10.14						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	154.5k	51.58	65.75	-14.17	10.01	Neutral	-	41.57	0.06	0.09	9.86						
AV	154.5k	34.73	55.75	-21.02	10.01	Neutral	-	24.72	0.06	0.09	9.86						
QP	249k	37.18	61.79	-24.61	9.94	Neutral	-	27.24	0.06	0.08	9.80						
AV	249k	24.93	51.79	-26.86	9.94	Neutral	-	14.99	0.06	0.08	9.80						
QP	564k	42.49	56.00	-13.51	10.09	Neutral	-	32.40	0.06	0.13	9.90						
AV	564k	36.95	46.00	-9.05	10.09	Neutral	"Worst"	26.86	0.06	0.13	9.90						
QP	1.923M	32.64	56.00	-23.36	9.97	Neutral	-	22.67	0.08	0.14	9.75						
AV	1.923M	23.81	46.00	-22.19	9.97	Neutral	-	13.84	0.08	0.14	9.75						
QP	10.487M	36.40	60.00	-23.60	10.63	Neutral	-	25.77	0.21	0.28	10.14						
AV	10.487M	30.00	50.00	-20.00	10.63	Neutral	-	19.37	0.21	0.28	10.14						
QP	15.41M	34.05	60.00	-25.95	10.94	Neutral	-	23.11	0.23	0.36	10.35						
AV	15.41M	27.21	50.00	-22.79	10.94	Neutral	-	16.27	0.23	0.36	10.35						

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)	640k	1.024M	1M02F1D	636.25k	1.021M
BT-LE(2Mbps)	1.098M	2.051M	2M05F1D	1.09M	2.043M

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

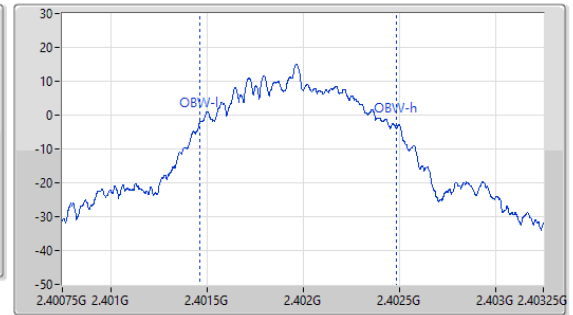
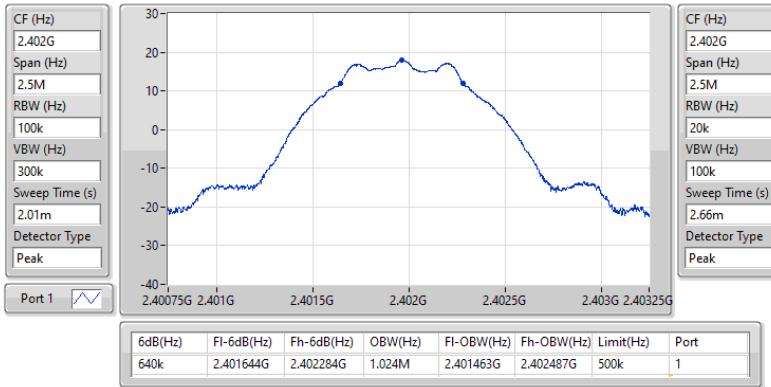
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	640k	1.024M
2440MHz	Pass	500k	637.5k	1.022M
2480MHz	Pass	500k	636.25k	1.021M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.098M	2.043M
2440MHz	Pass	500k	1.09M	2.045M
2480MHz	Pass	500k	1.09M	2.051M

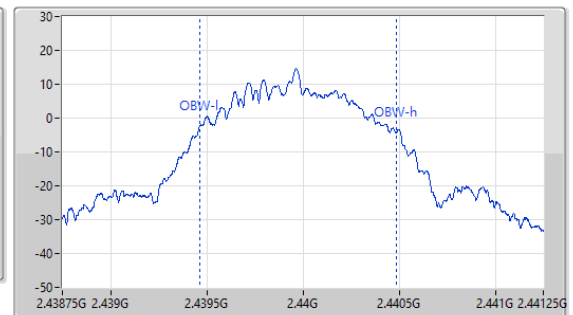
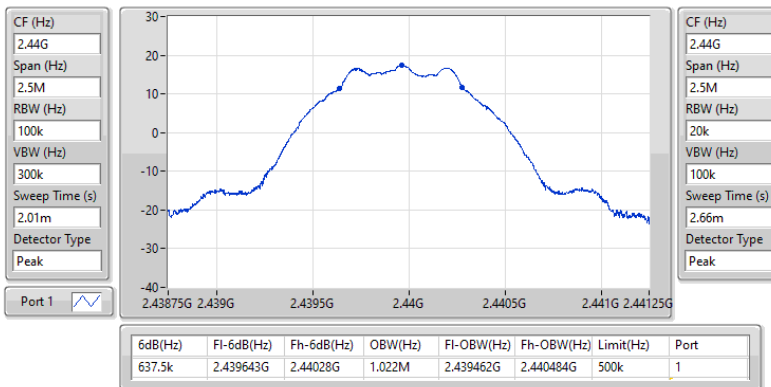
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)
EBW-DTS
2402MHz

03/11/2025


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

03/11/2025

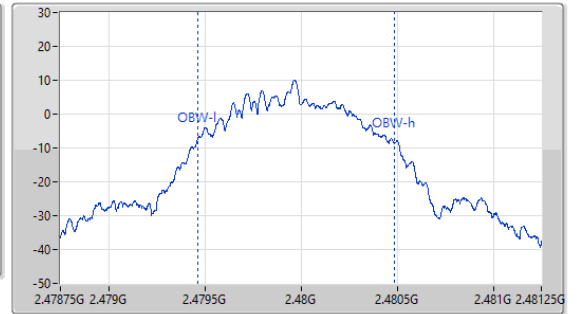
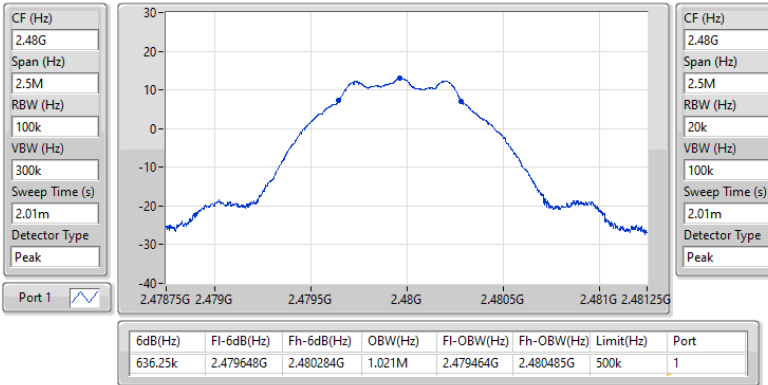


2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2480MHz

10/11/2025

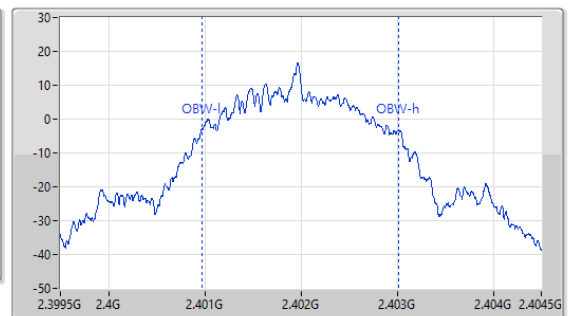
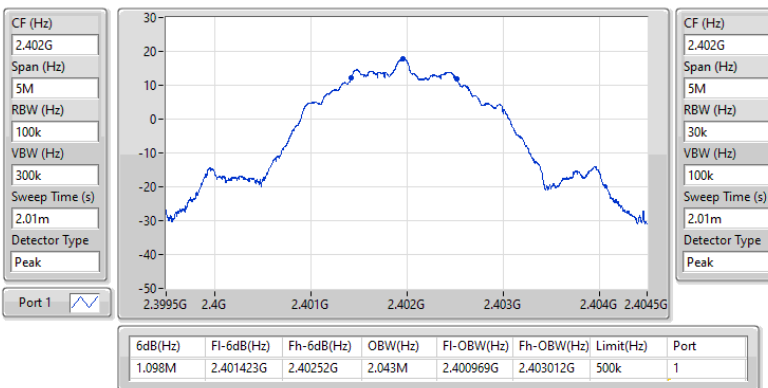


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

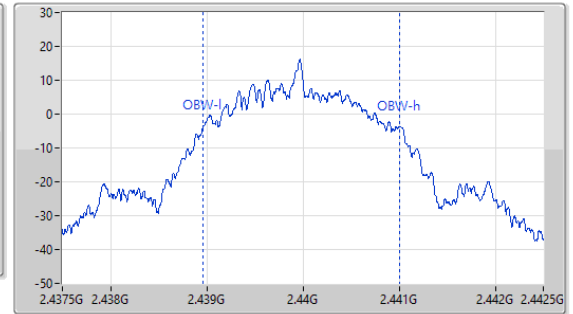
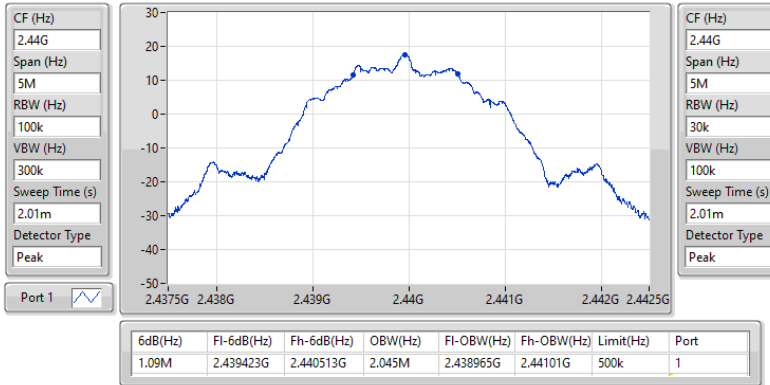
2402MHz

03/11/2025

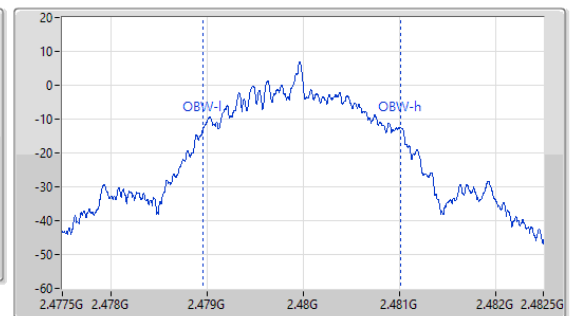
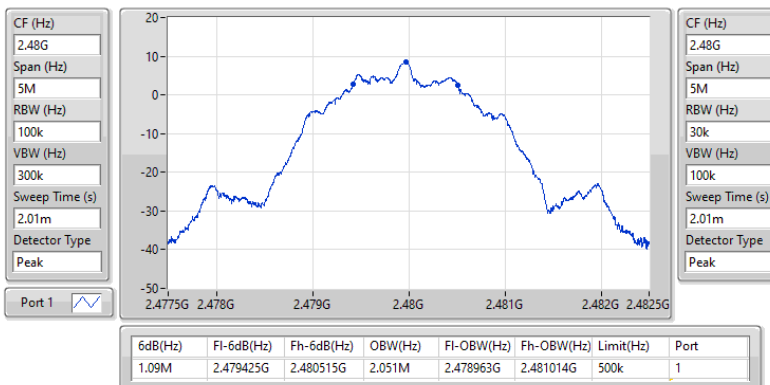


2.4-2.4835GHz_BT-LE(2Mbps)
EBW-DTS
2440MHz

03/11/2025


2.4-2.4835GHz_BT-LE(2Mbps)
EBW-DTS
2480MHz

10/11/2025





Average Power-DTS

Appendix C

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	17.58	0.05728
BT-LE(2Mbps)	17.56	0.05702



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	7.90	17.58	28.10
2440MHz	Pass	7.90	17.23	28.10
2478MHz	Pass	7.90	13.95	28.10
2480MHz	Pass	7.90	12.72	28.10
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	7.90	17.56	28.10
2440MHz	Pass	7.90	17.08	28.10
2478MHz	Pass	7.90	5.26	28.10
2480MHz	Pass	7.90	7.80	28.10

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)	2.96
BT-LE(2Mbps)	2.57

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	7.90	2.96	6.10
2440MHz	Pass	7.90	2.64	6.10
2480MHz	Pass	7.90	-1.89	6.10
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	7.90	2.57	6.10
2440MHz	Pass	7.90	2.13	6.10
2480MHz	Pass	7.90	-6.87	6.10

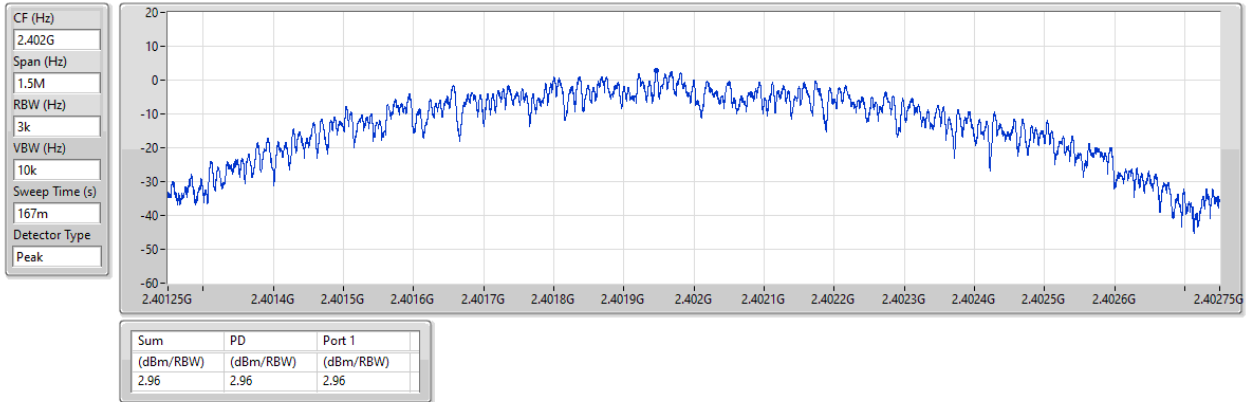
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2402MHz

03/11/2025

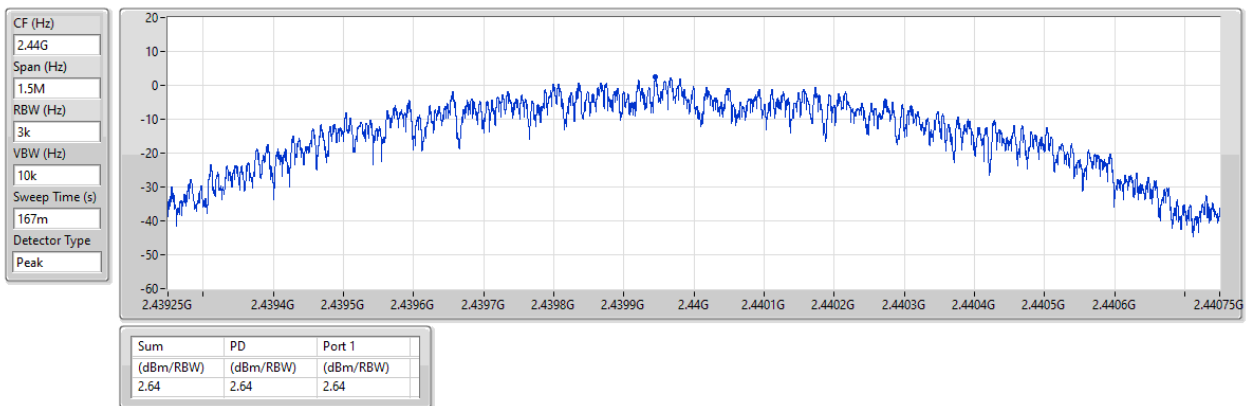


2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

03/11/2025

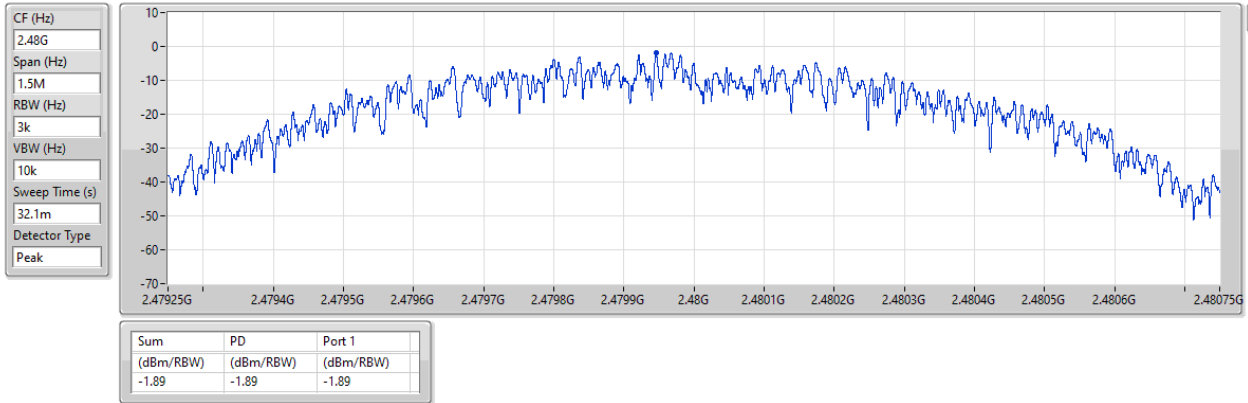


2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2480MHz

10/11/2025

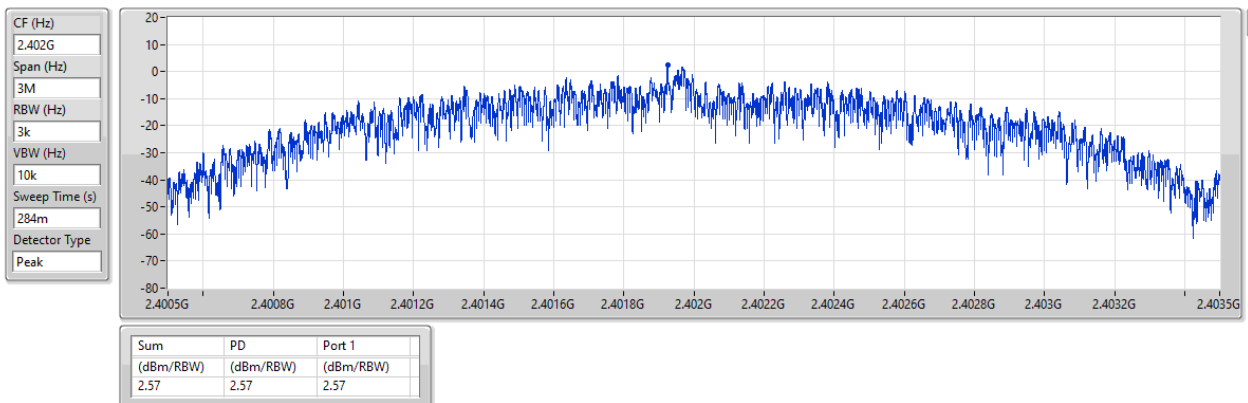


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

03/11/2025



2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2440MHz

03/11/2025

CF (Hz)
2.44G

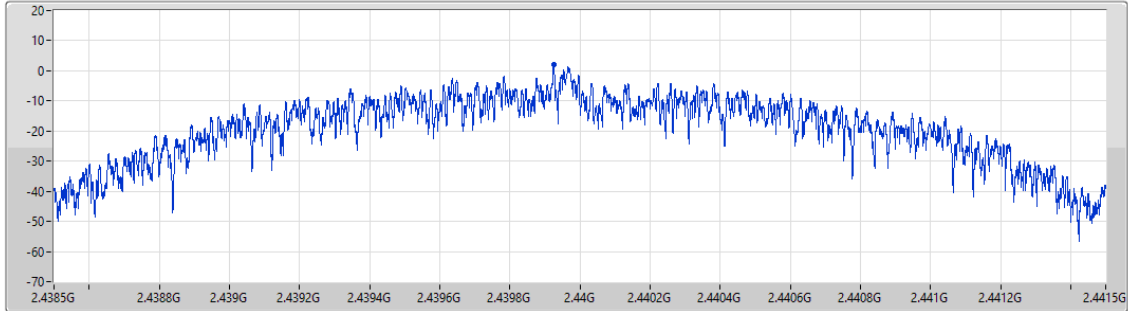
Span (Hz)
3M

RBW (Hz)
3k

VBW (Hz)
10k

Sweep Time (s)
284m

Detector Type
Peak



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.13	2.13	2.13

2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2480MHz

10/11/2025

CF (Hz)
2.48G

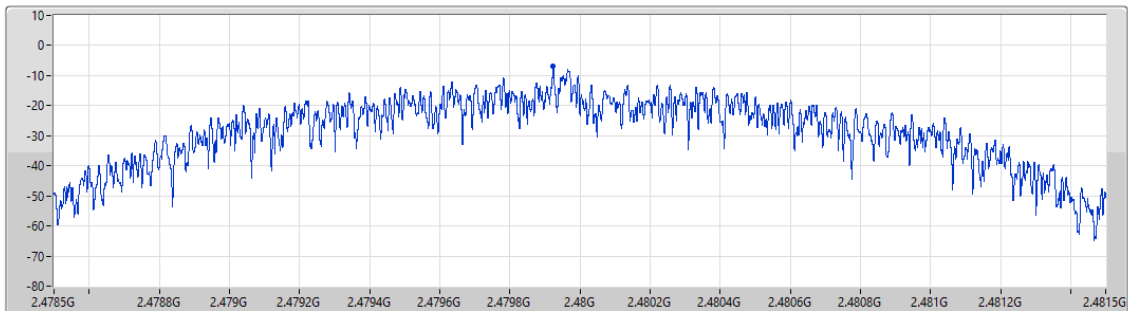
Span (Hz)
3M

RBW (Hz)
3k

VBW (Hz)
10k

Sweep Time (s)
33.4m

Detector Type
Peak



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.87	-6.87	-6.87

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	2.40384G	17.99	-12.01	2.13678G	-52.28	2.39976G	-42.43	2.4G	-41.53	2.50026G	-51.41	16.47945G	-42.63	1
BT-LE(2Mbps)	Pass	2.40184G	17.99	-12.01	829M	-52.07	2.4G	-14.33	2.4G	-17.14	2.5001G	-51.62	16.76909G	-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	2.40384G	17.99	-12.01	2.13678G	-52.28	2.39976G	-42.43	2.4G	-41.53	2.50026G	-51.41	16.47945G	-42.63	1
2440MHz	Pass	2.40384G	17.99	-12.01	671.55M	-52.48	2.3948G	-51.92	2.4G	-53.90	2.50154G	-51.69	14.79503G	-42.37	1
2480MHz	Pass	2.40384G	17.99	-12.01	2.0886G	-51.76	2.39044G	-51.23	2.4G	-54.63	2.50294G	-51.39	21.86174G	-42.87	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	17.99	-12.01	829M	-52.07	2.4G	-14.33	2.4G	-17.14	2.5001G	-51.62	16.76909G	-42.93	1
2440MHz	Pass	2.40184G	17.99	-12.01	868.95M	-50.89	2.39612G	-51.64	2.4G	-51.86	2.50306G	-51.25	15.18309G	-42.85	1
2480MHz	Pass	2.40384G	17.99	-12.01	744.4M	-51.36	2.39076G	-51.85	2.4G	-54.84	2.50142G	-51.48	15.16622G	-42.38	1

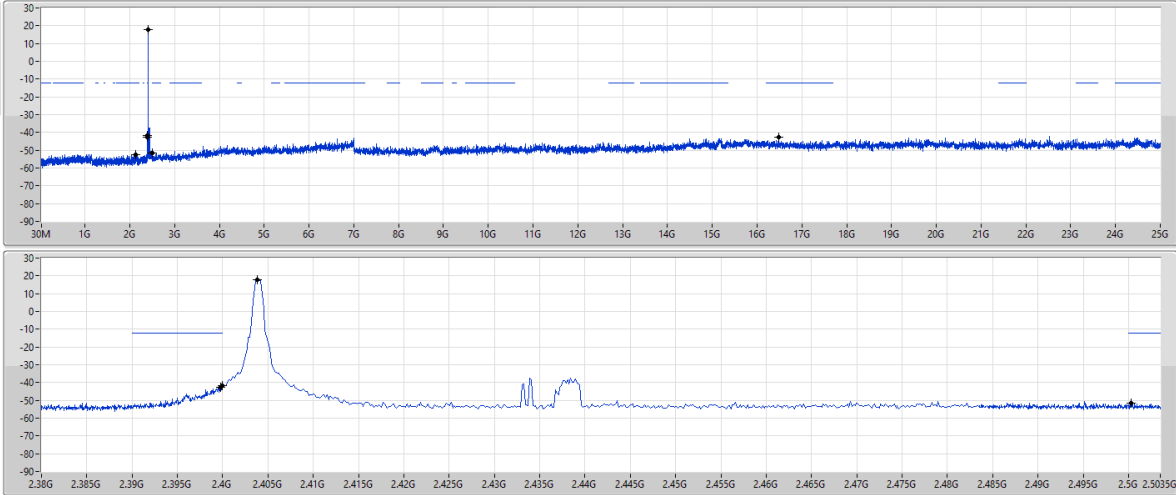
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

10/11/2025

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
2.40384G	17.99	-12.01	2.13678G	-52.28	2.39976G	-42.43	2.4G	-41.53	2.50026G	-51.41	16.47945G	-42.63	1

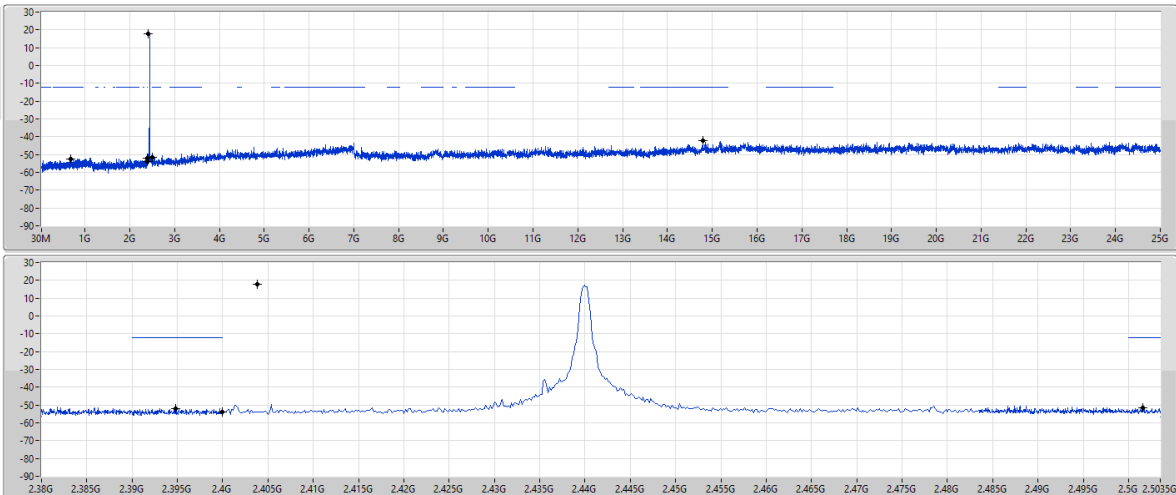
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2440MHz

10/11/2025

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

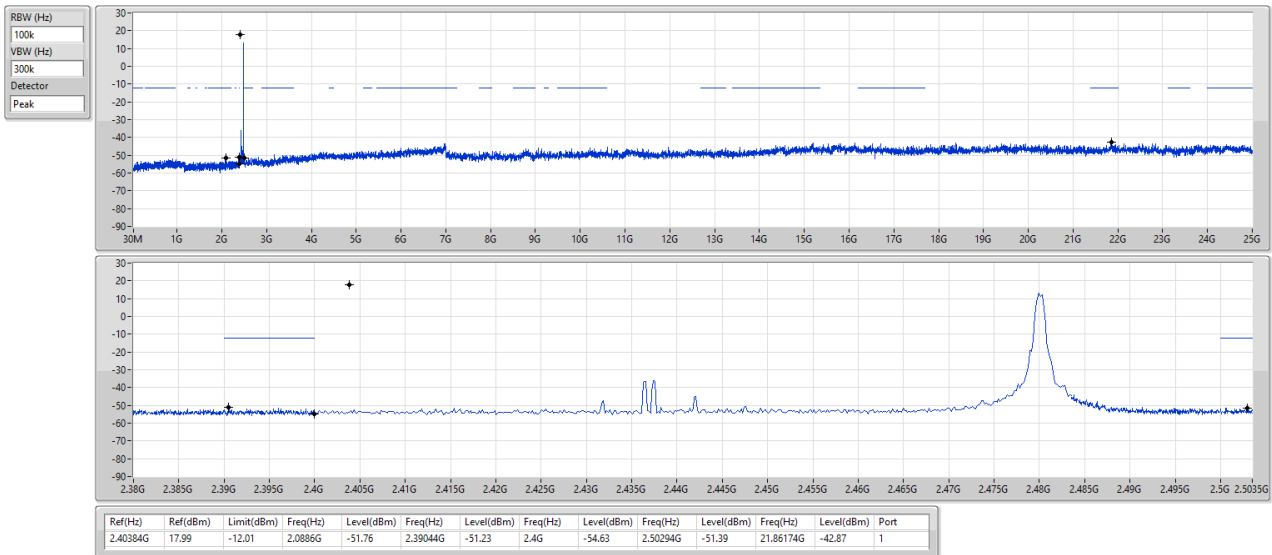


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40384G	17.99	-12.01	671.55M	-52.48	2.3948G	-51.92	2.4G	-53.90	2.50134G	-51.69	14.79503G	-42.37	1

2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

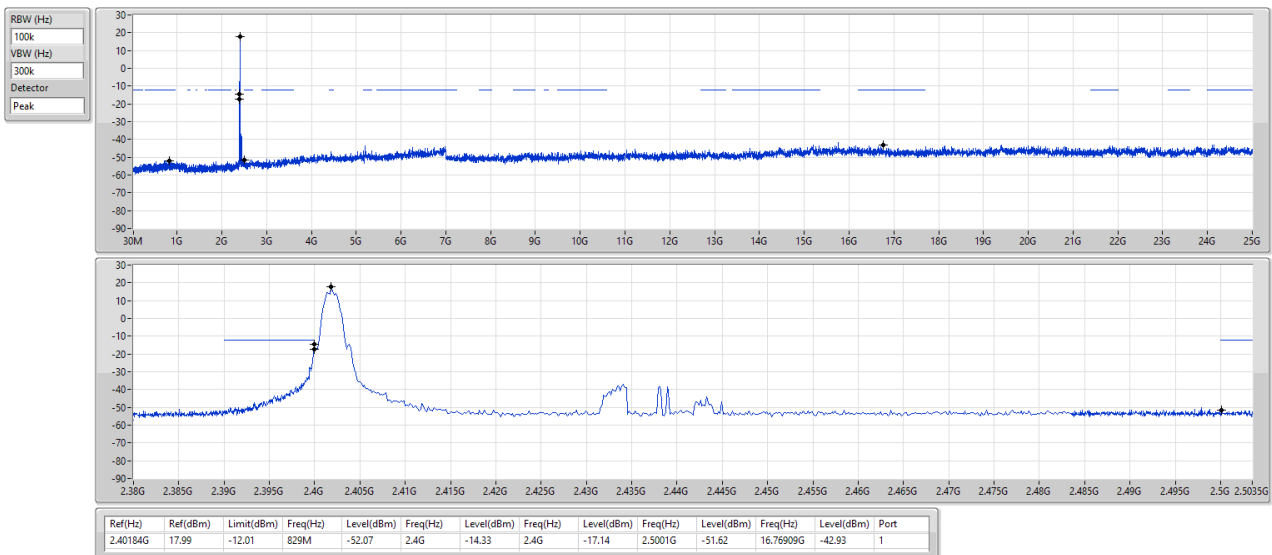
2480MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

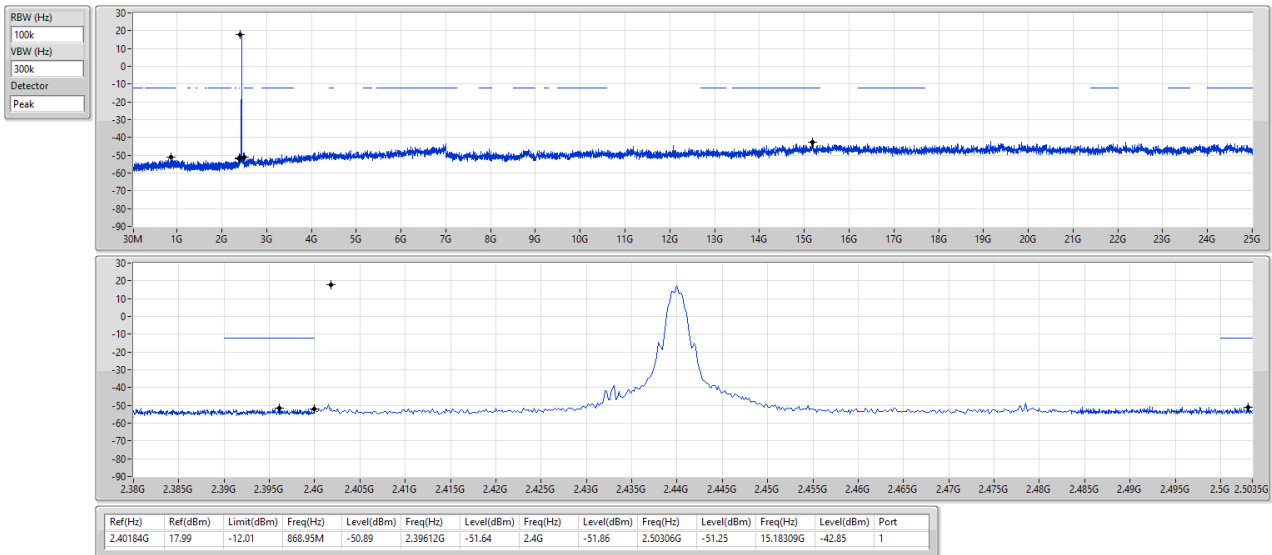
2402MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

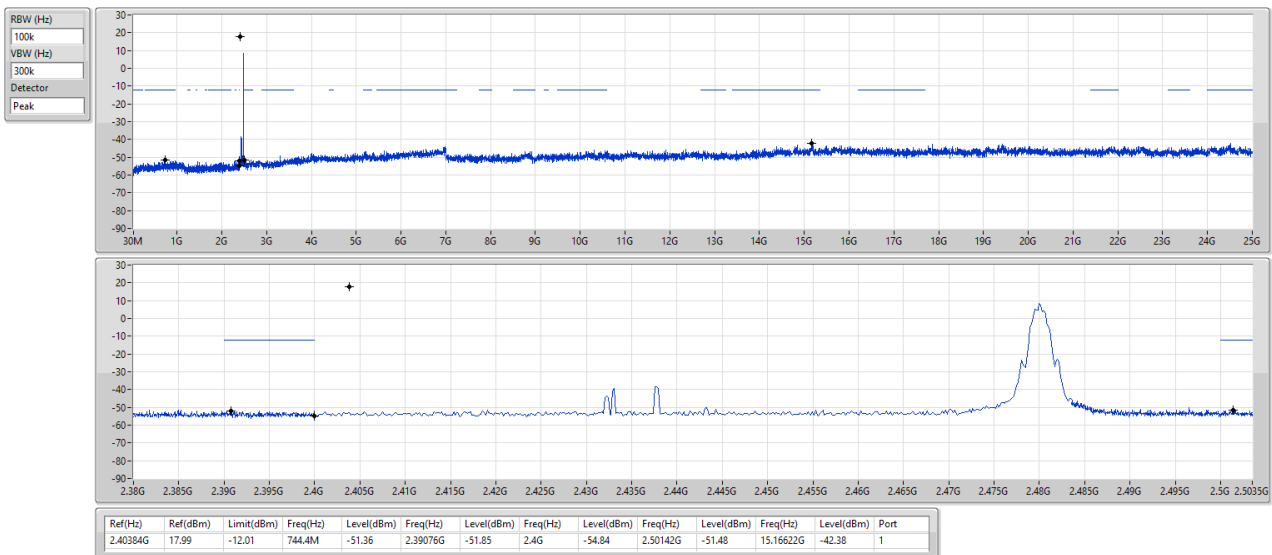
2440MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2480MHz





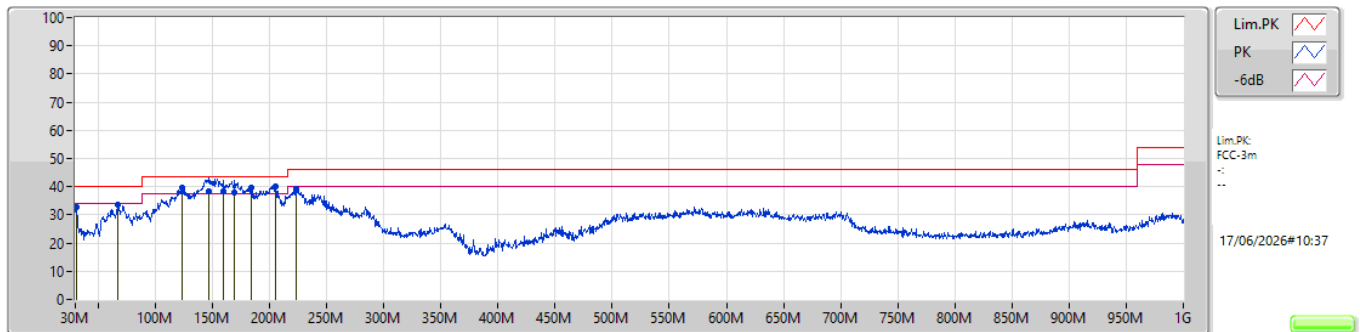
Radiated Emissions below 1GHz

Appendix F.1

Summary

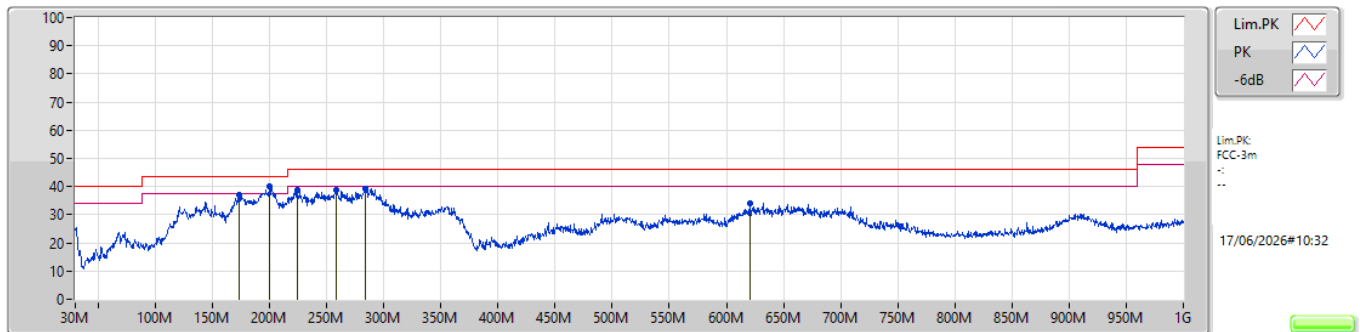
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	200.24M	40.05	43.50	-3.45	Horizontal

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)		
PK	30.97M	32.96	40.00	-7.04	-35.73	3	Vertical	116	1.00	-	68.69	17.86	0.14	53.73		
PK	67.35M	33.43	40.00	-6.57	-35.45	3	Vertical	273	2.00	-	68.88	17.81	0.74	54.00		
PK	123.61M	39.80	43.50	-3.70	-35.24	3	Vertical	312	1.00	-	75.04	17.22	1.34	53.80		
QP	147.37M	38.48	43.50	-5.02	-33.32	3	Vertical	339	1.00	-	71.80	19.08	1.47	53.87		
QP	159.5M	38.51	43.50	-4.99	-32.99	3	Vertical	13	2.00	-	71.50	19.20	1.48	53.67		
QP	169.2M	37.96	43.50	-5.54	-33.34	3	Vertical	64	1.00	-	71.30	18.75	1.50	53.59		
PK	184.23M	39.80	43.50	-3.70	-35.04	3	Vertical	97	3.00	-	74.84	16.99	1.56	53.59		
PK	205.09M	39.90	43.50	-3.60	-36.60	3	Vertical	193	1.00	"Worst"	76.50	15.59	1.70	53.89		
PK	223.52M	39.17	46.00	-6.83	-36.54	3	Vertical	228	1.00	-	75.71	15.44	1.78	53.76		

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)		
PK	173.08M	36.88	43.50	-6.62	-33.60	3	Horizontal	116	1.00	-	70.48	18.45	1.51	53.56		
PK	200.24M	40.05	43.50	-3.45	-36.44	3	Horizontal	243	2.00	"Worst"	76.49	15.81	1.68	53.93		
PK	224M	38.76	46.00	-7.24	-36.53	3	Horizontal	341	1.00	-	75.29	15.44	1.78	53.75		
PK	257.95M	38.67	46.00	-7.33	-33.86	3	Horizontal	9	4.00	-	72.53	17.79	1.93	53.58		
PK	284.14M	39.28	46.00	-6.72	-32.67	3	Horizontal	61	1.00	-	71.95	18.90	2.07	53.64		
PK	620.73M	34.19	46.00	-11.81	-23.44	3	Horizontal	303	3.00	-	57.63	25.96	3.51	52.91		

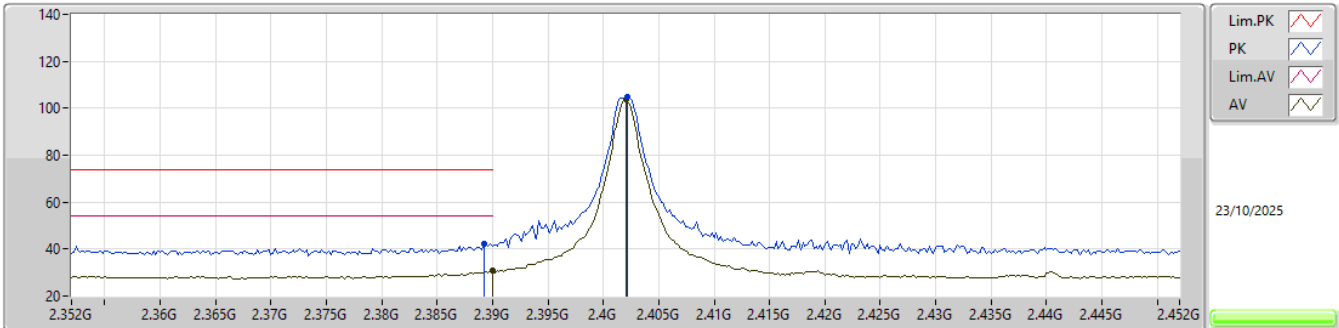


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	2.4835G	52.93	54.00	-1.07	3	Horizontal	38	2.64	-

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

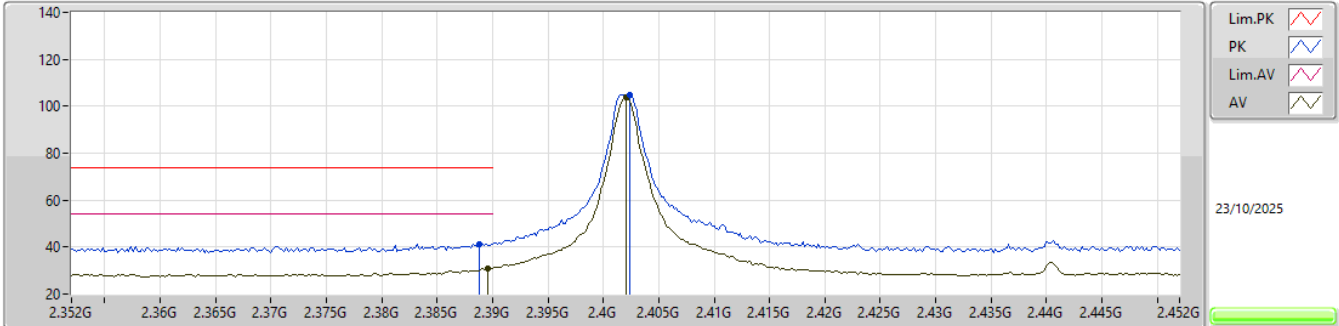


EUT Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3892G	42.44	74.00	-31.56	40.29	3	Vertical	208	1.65	-	28.50	4.98	31.33			
AV	2.39G	30.62	54.00	-23.38	28.47	3	Vertical	208	1.65	-	28.50	4.98	31.33			
PK	2.4022G	104.68	Inf	-Inf	102.61	3	Vertical	208	1.65	-	28.40	4.99	31.32			
AV	2.402G	103.57	Inf	-Inf	101.50	3	Vertical	208	1.65	-	28.40	4.99	31.32			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

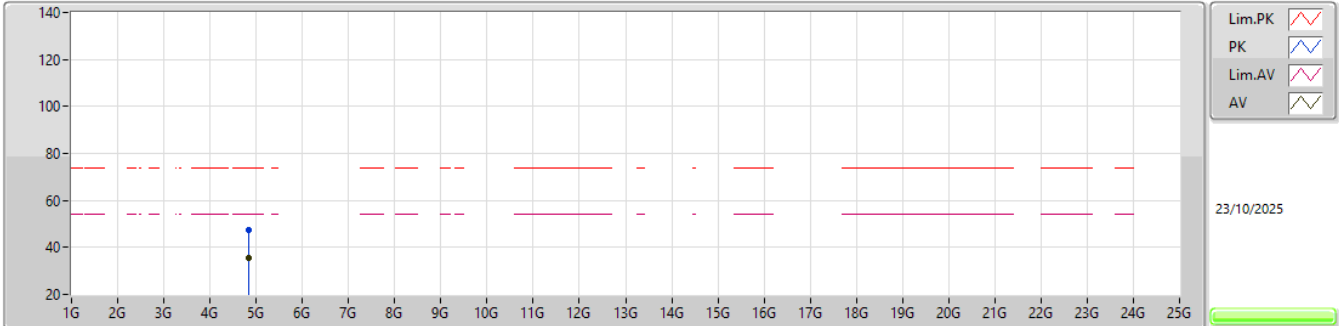


EUT Y_1TX
Setting 20
02-D-I-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)				
PK	2.3888G	41.38	74.00	-32.62	39.23	3	Horizontal	134	2.75	-	28.50	4.98	31.33				
AV	2.3896G	30.95	54.00	-23.05	28.80	3	Horizontal	134	2.75	-	28.50	4.98	31.33				
PK	2.4024G	104.69	Inf	-Inf	102.62	3	Horizontal	134	2.75	-	28.40	4.99	31.32				
AV	2.402G	103.70	Inf	-Inf	101.63	3	Horizontal	134	2.75	-	28.40	4.99	31.32				

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

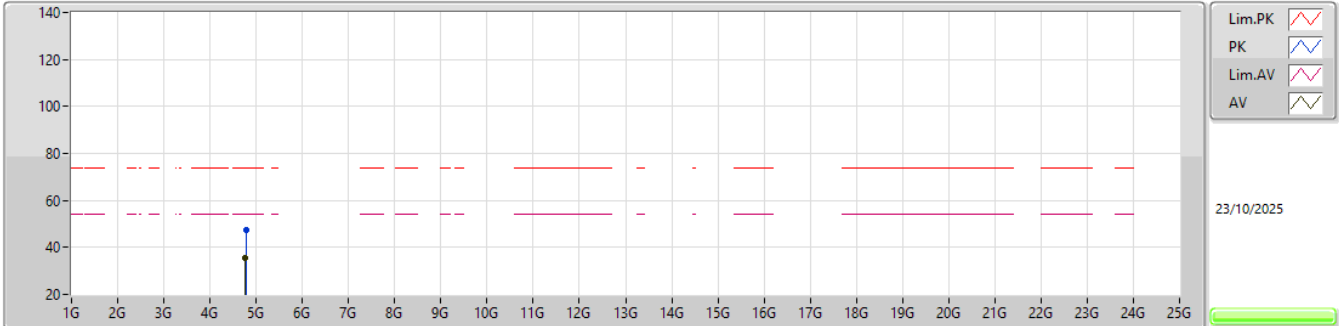


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.8288G	47.35	74.00	-26.65	37.11	3	Vertical	314	1.15	-	32.96	7.41	30.13			
AV	4.8434G	35.49	54.00	-18.51	25.20	3	Vertical	314	1.15	-	32.99	7.42	30.12			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

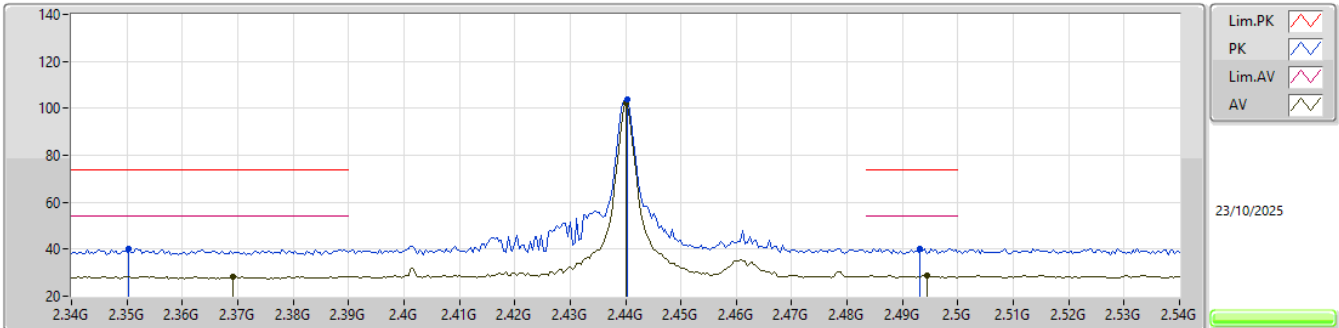


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.7896G	47.55	74.00	-26.45	37.43	3	Horizontal	295	1.48	-	32.88	7.38	30.14			
AV	4.7662G	35.40	54.00	-18.60	25.37	3	Horizontal	295	1.48	-	32.83	7.35	30.15			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

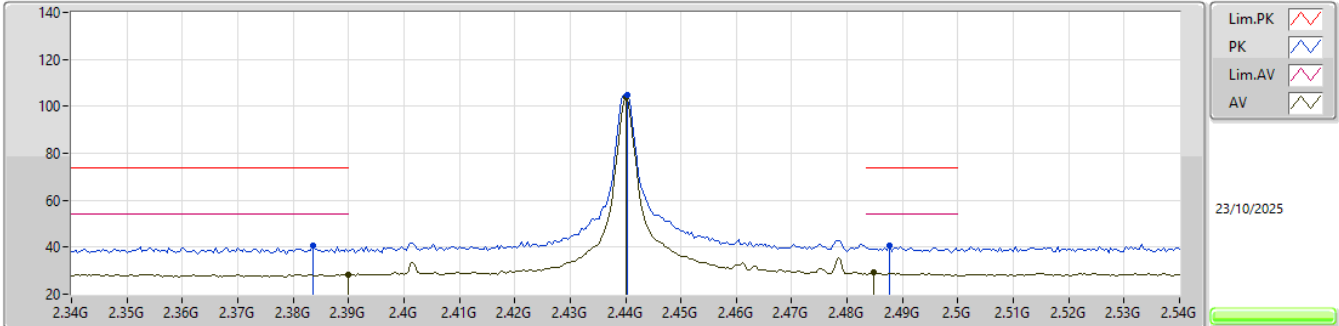


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.3504G	40.38	74.00	-33.62	38.47	3	Vertical	202	1.82	-	28.30	4.95	31.34				
AV	2.3692G	28.40	54.00	-25.60	26.38	3	Vertical	202	1.82	-	28.39	4.96	31.33				
PK	2.4404G	103.56	Inf	-Inf	101.41	3	Vertical	202	1.82	-	28.40	5.06	31.31				
AV	2.44G	102.04	Inf	-Inf	99.89	3	Vertical	202	1.82	-	28.40	5.06	31.31				
PK	2.4932G	40.38	74.00	-33.62	37.99	3	Vertical	202	1.82	-	28.53	5.14	31.28				
AV	2.4944G	28.71	54.00	-25.29	26.30	3	Vertical	202	1.82	-	28.54	5.15	31.28				

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

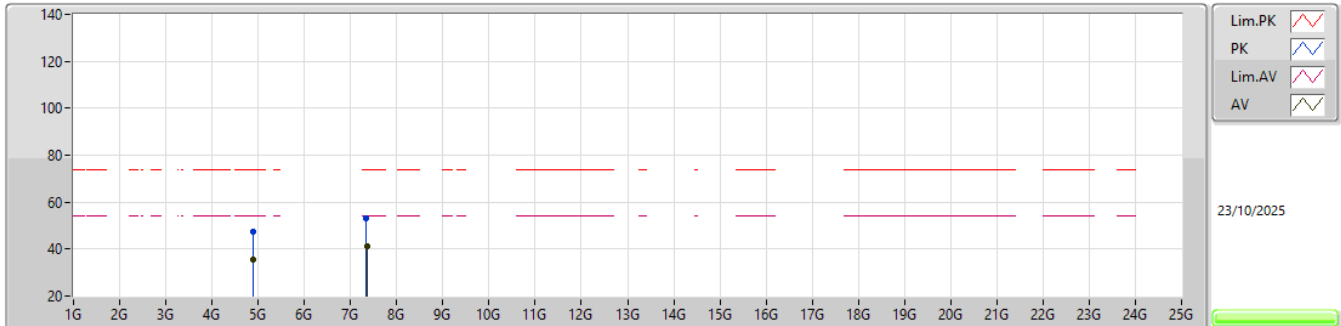


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	2.3836G	40.76	74.00	-33.24	38.61	3	Horizontal	134	1.80	-	28.50	4.98	31.33			
AV	2.39G	28.49	54.00	-25.51	26.34	3	Horizontal	134	1.80	-	28.50	4.98	31.33			
PK	2.4404G	104.77	Inf	-Inf	102.62	3	Horizontal	134	1.80	-	28.40	5.06	31.31			
AV	2.44G	103.79	Inf	-Inf	101.64	3	Horizontal	134	1.80	-	28.40	5.06	31.31			
PK	2.4876G	40.76	74.00	-33.24	38.44	3	Horizontal	134	1.80	-	28.48	5.13	31.29			
AV	2.4848G	29.06	54.00	-24.94	26.77	3	Horizontal	134	1.80	-	28.45	5.13	31.29			

2.4-2.4835GHz_BT-LE(1Mbps)

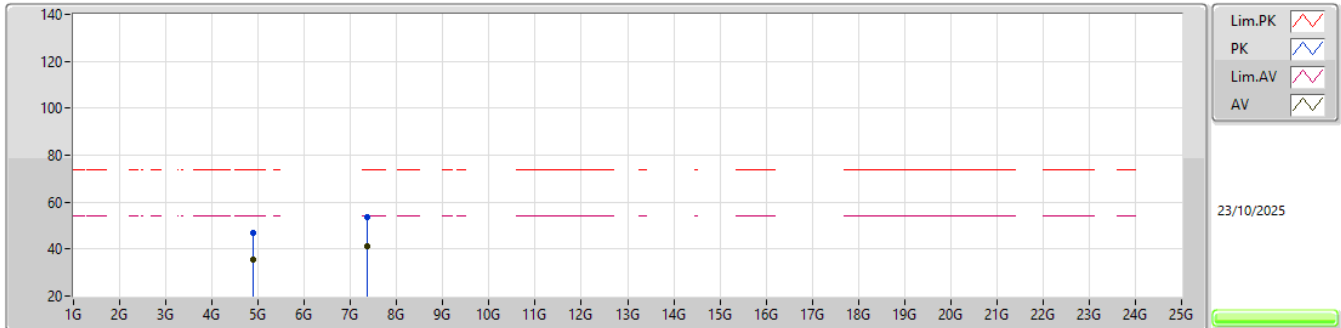
2440MHz_TX


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.8792G	47.35	74.00	-26.65	36.88	3	Vertical	158	1.98	-	33.12	7.45	30.10				
AV	4.9012G	35.66	54.00	-18.34	25.08	3	Vertical	158	1.98	-	33.20	7.47	30.09				
PK	7.3436G	52.90	74.00	-21.10	38.18	3	Vertical	333	1.32	-	36.59	9.02	30.89				
AV	7.3664G	41.36	54.00	-12.64	26.60	3	Vertical	333	1.32	-	36.63	9.02	30.89				

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

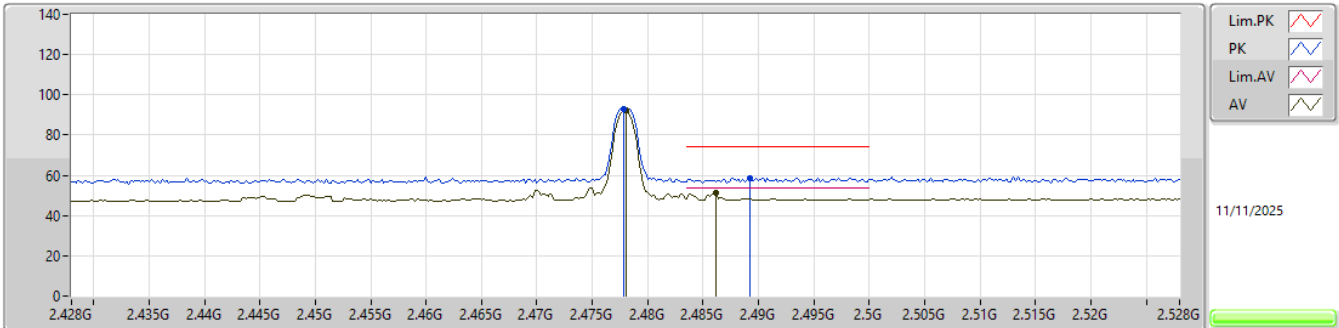


EUT_Y_1TX
 Setting 20
 02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.882G	47.02	74.00	-26.98	36.53	3	Horizontal	260	2.69	-	33.13	7.46	30.10				
AV	4.8866G	35.44	54.00	-18.56	24.93	3	Horizontal	260	2.69	-	33.15	7.46	30.10				
PK	7.3608G	53.43	74.00	-20.57	38.68	3	Horizontal	204	1.67	-	36.62	9.02	30.89				
AV	7.3588G	41.30	54.00	-12.70	26.55	3	Horizontal	204	1.67	-	36.62	9.02	30.89				

2.4-2.4835GHz_BT-LE(1Mbps)

2478MHz_TX

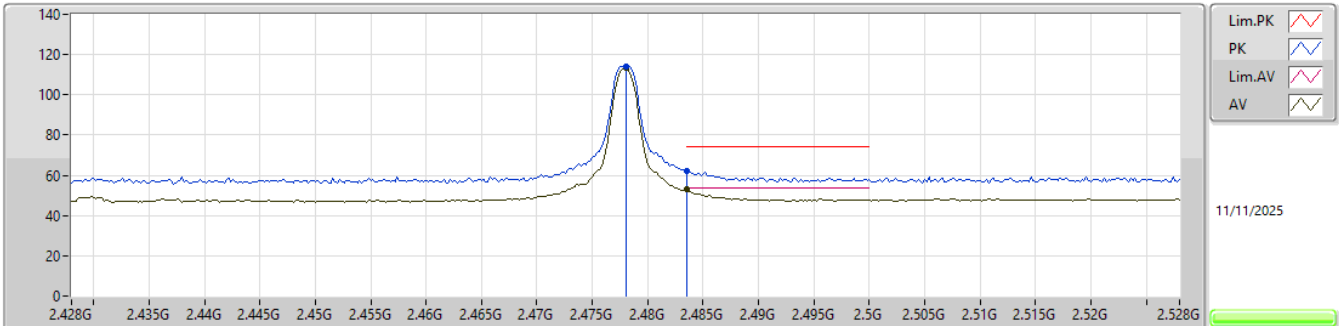


EUT_Y_1TX
Setting 17
01-X-L-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4778G	93.18	Inf	-Inf	59.85	3	Vertical	65	1.80	-	27.88	5.45	-			
AV	2.478G	92.25	Inf	-Inf	58.92	3	Vertical	65	1.80	-	27.88	5.45	-			
PK	2.4892G	58.53	74.00	-15.47	25.08	3	Vertical	65	1.80	-	27.99	5.46	-			
AV	2.4862G	51.56	54.00	-2.44	18.14	3	Vertical	65	1.80	-	27.96	5.46	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2478MHz_TX

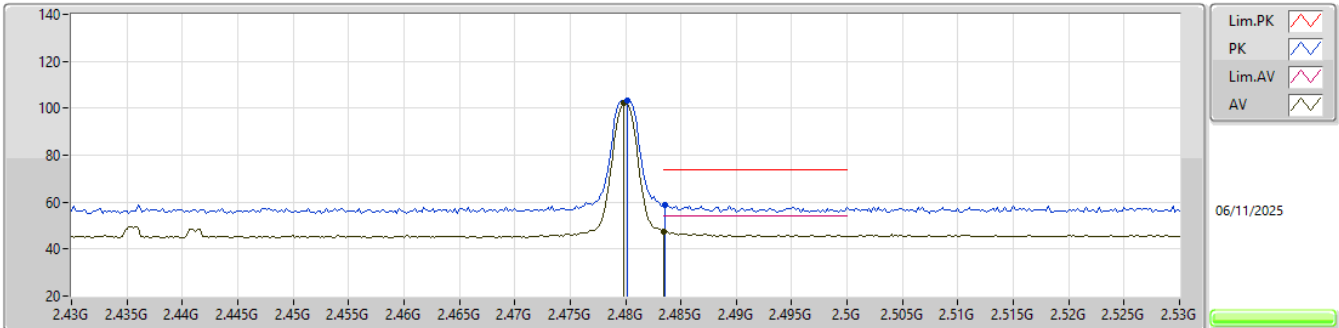


EUT_Y_1TX
Setting 17
01-X-L-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.478G	114.29	Inf	-Inf	80.96	3	Horizontal	38	2.64	-	27.88	5.45	-				
AV	2.478G	113.45	Inf	-Inf	80.12	3	Horizontal	38	2.64	-	27.88	5.45	-				
PK	2.4835G	62.34	74.00	-11.66	28.94	3	Horizontal	38	2.64	-	27.94	5.46	-				
AV	2.4835G	52.93	54.00	-1.07	19.54	3	Horizontal	38	2.64	-	27.93	5.46	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

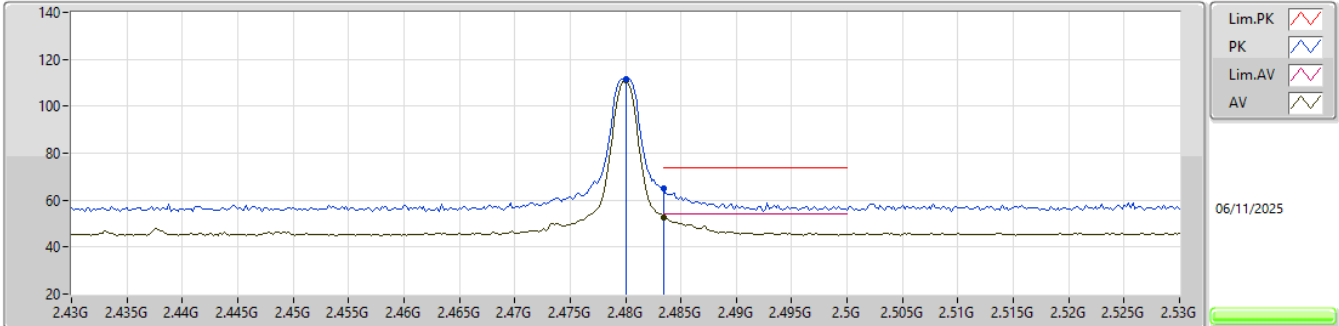


EUT_Y_1TX
Setting 16
06-U-E-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)				
PK	2.4802G	103.47	Inf	-Inf	71.41	3	Vertical	304	2.79	-	27.40	4.66	-				
AV	2.4798G	102.30	Inf	-Inf	70.24	3	Vertical	304	2.79	-	27.40	4.66	-				
PK	2.4836G	58.83	74.00	-15.17	26.72	3	Vertical	304	2.79	-	27.44	4.67	-				
AV	2.4835G	47.66	54.00	-6.34	15.56	3	Vertical	304	2.79	-	27.43	4.67	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

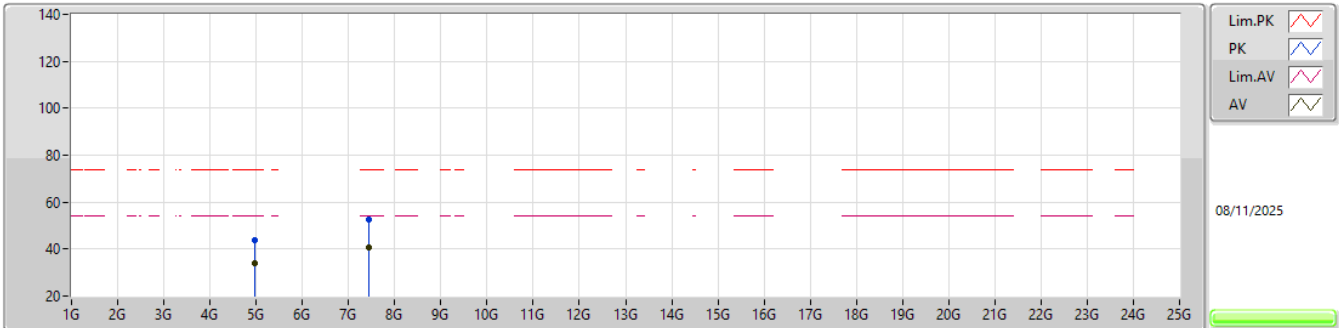


EUT_Y_1TX
Setting 16
06-U-E-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)				
PK	2.48G	111.79	Inf	-Inf	79.73	3	Horizontal	5	2.85	-	27.40	4.66	-				
AV	2.48G	111.16	Inf	-Inf	79.10	3	Horizontal	5	2.85	-	27.40	4.66	-				
PK	2.4835G	65.01	74.00	-8.99	32.91	3	Horizontal	5	2.85	-	27.43	4.67	-				
AV	2.4835G	52.72	54.00	-1.28	20.62	3	Horizontal	5	2.85	-	27.43	4.67	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

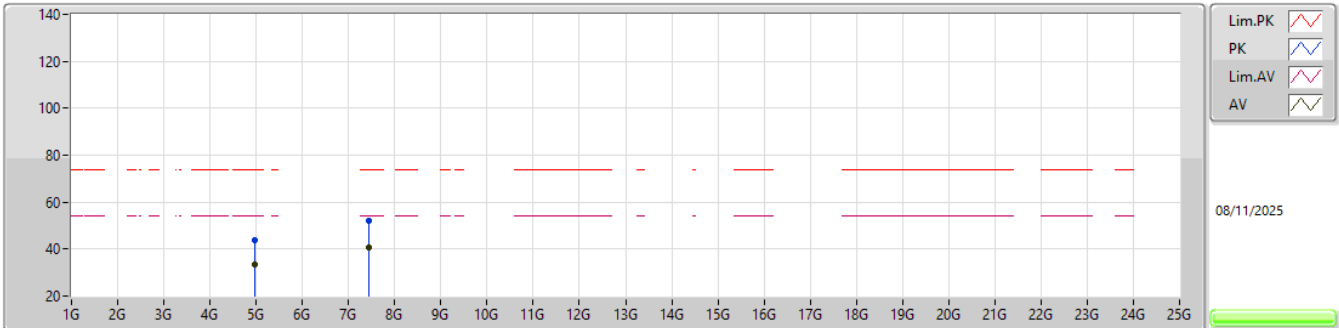


EUT_Y_1TX
Setting 16
06-U-E-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.9674G	43.72	74.00	-30.28	39.11	3	Vertical	47	2.14	-	31.47	6.82	33.68				
AV	4.9619G	33.99	54.00	-20.01	29.40	3	Vertical	47	2.14	-	31.45	6.82	33.68				
PK	7.44156G	52.61	74.00	-21.39	40.69	3	Vertical	284	1.61	-	36.57	8.94	33.59				
AV	7.44132G	40.56	54.00	-13.44	28.64	3	Vertical	284	1.61	-	36.57	8.94	33.59				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

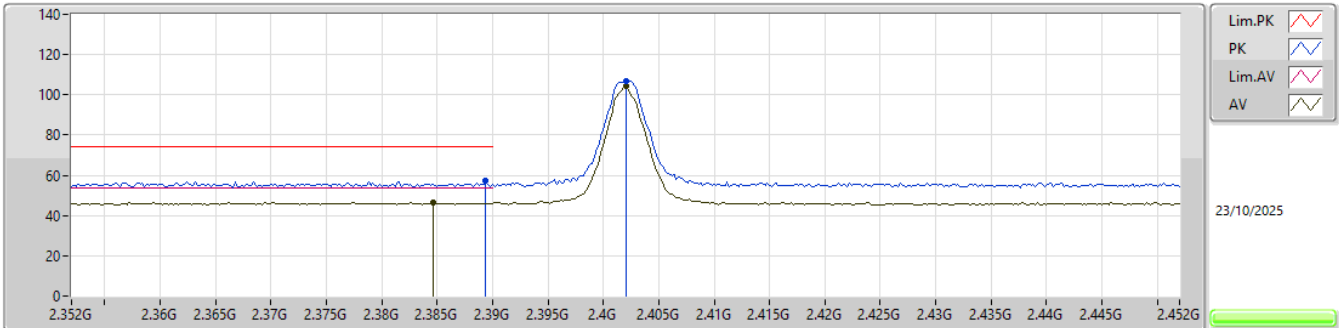


EUT_Y_1TX
Setting 16
06-U-E-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.96094G	43.68	74.00	-30.32	39.11	3	Horizontal	331	1.93	-	31.44	6.81	33.68				
AV	4.9608G	33.49	54.00	-20.51	28.92	3	Horizontal	331	1.93	-	31.44	6.81	33.68				
PK	7.44116G	51.89	74.00	-22.11	39.98	3	Horizontal	155	2.63	-	36.56	8.94	33.59				
AV	7.44078G	40.58	54.00	-13.42	28.67	3	Horizontal	155	2.63	-	36.56	8.94	33.59				

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

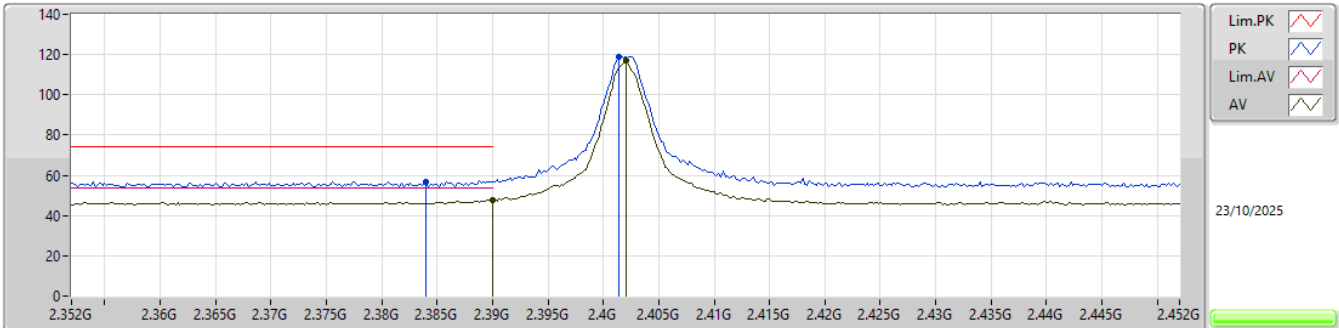


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.3894G	57.09	74.00	-16.91	24.23	3	Vertical	223	1.85	-	28.50	4.36	-				
AV	2.3846G	46.76	54.00	-7.24	13.90	3	Vertical	223	1.85	-	28.50	4.36	-				
PK	2.402G	106.56	Inf	-Inf	73.79	3	Vertical	223	1.85	-	28.40	4.37	-				
AV	2.402G	104.34	Inf	-Inf	71.57	3	Vertical	223	1.85	-	28.40	4.37	-				

2.4-2.4835GHz_BT-LE(2Mbps)

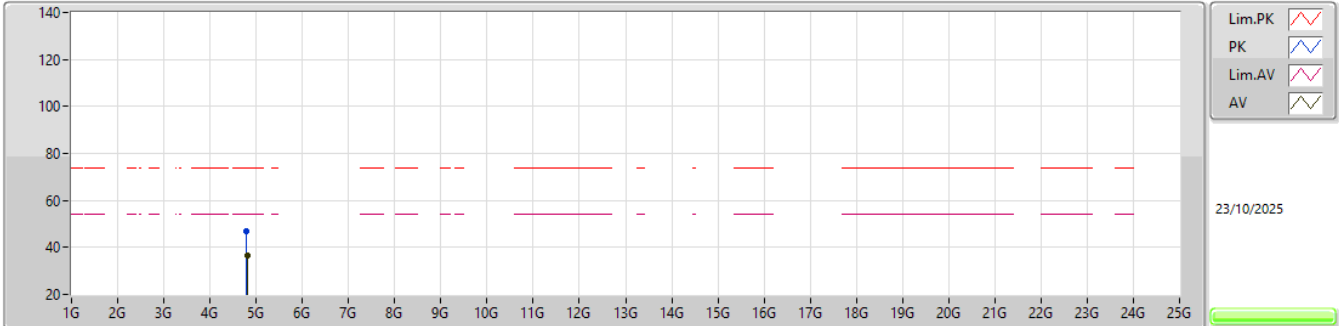
2402MHz_TX


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4014G	118.99	Inf	-Inf	86.22	3	Horizontal	168	2.97	-	28.40	4.37	-			
PK	2.384G	56.90	74.00	-17.10	24.04	3	Horizontal	168	2.97	-	28.50	4.36	-			
AV	2.402G	116.78	Inf	-Inf	84.01	3	Horizontal	168	2.97	-	28.40	4.37	-			
AV	2.39G	47.85	54.00	-6.15	14.99	3	Horizontal	168	2.97	-	28.50	4.36	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

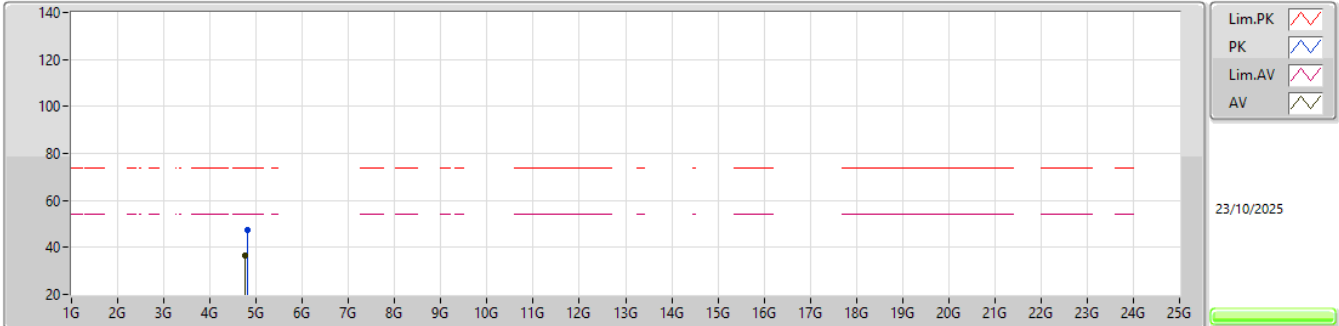


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.7954G	47.05	74.00	-26.95	36.92	3	Vertical	165	1.25	-	32.89	7.38	30.14			
AV	4.8242G	36.35	54.00	-17.65	26.12	3	Vertical	165	1.25	-	32.95	7.41	30.13			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

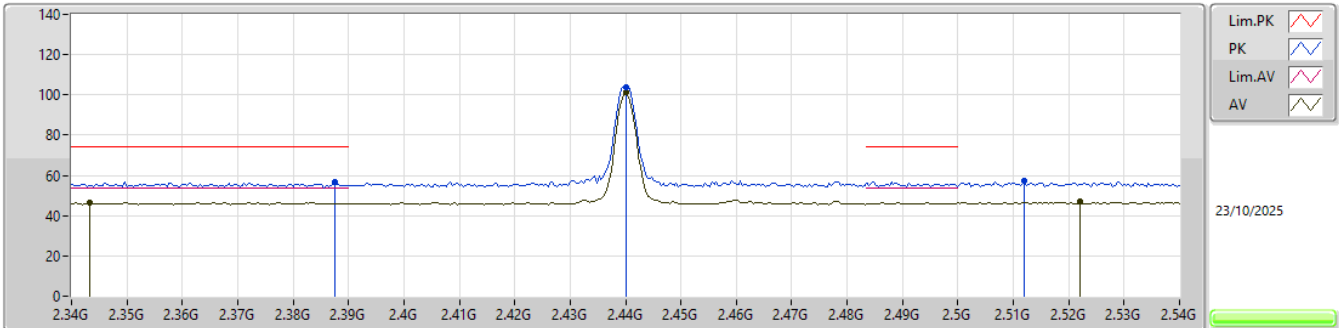


EUT_V_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.81G	47.43	74.00	-26.57	37.24	3	Horizontal	336	1.22	-	32.92	7.40	30.13			
AV	4.7628G	36.53	54.00	-17.47	26.50	3	Horizontal	336	1.22	-	32.83	7.35	30.15			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

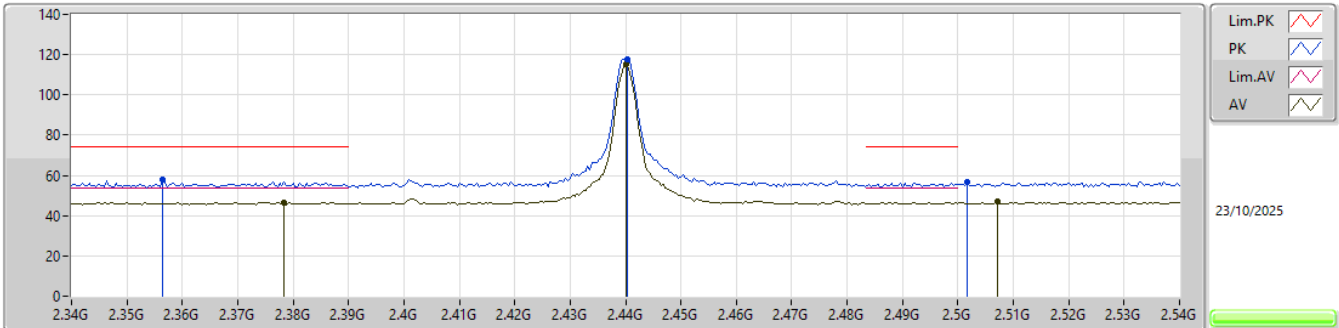


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3876G	56.98	74.00	-17.02	24.12	3	Vertical	199	1.77	-	28.50	4.36	-			
AV	2.3432G	46.41	54.00	-7.59	13.85	3	Vertical	199	1.77	-	28.23	4.33	-			
PK	2.44G	103.90	Inf	-Inf	71.08	3	Vertical	199	1.77	-	28.40	4.42	-			
AV	2.44G	101.28	Inf	-Inf	68.46	3	Vertical	199	1.77	-	28.40	4.42	-			
PK	2.512G	57.25	74.00	-16.75	24.11	3	Vertical	199	1.77	-	28.62	4.52	-			
AV	2.522G	46.80	54.00	-7.20	13.57	3	Vertical	199	1.77	-	28.70	4.53	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

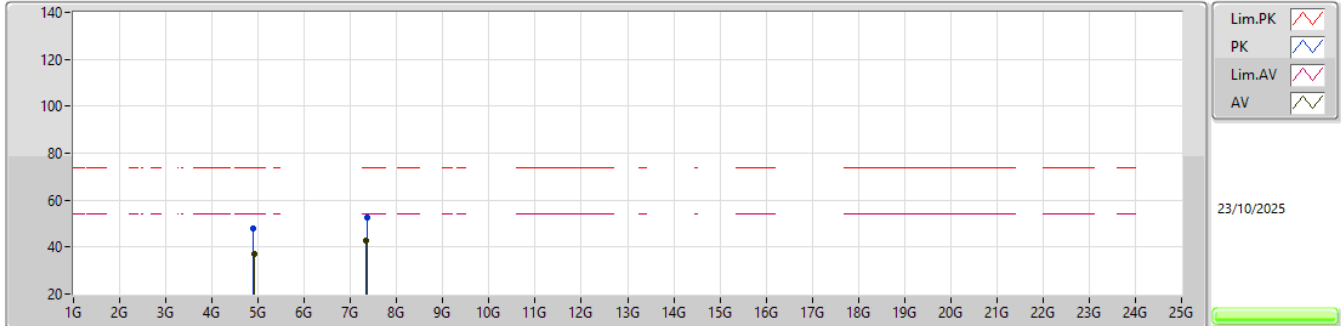


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.3564G	57.68	74.00	-16.32	25.04	3	Horizontal	188	2.36	-	28.30	4.34	-				
AV	2.3784G	46.76	54.00	-7.24	13.92	3	Horizontal	188	2.36	-	28.48	4.36	-				
PK	2.4404G	117.92	Inf	-Inf	85.10	3	Horizontal	188	2.36	-	28.40	4.42	-				
AV	2.44G	115.48	Inf	-Inf	82.66	3	Horizontal	188	2.36	-	28.40	4.42	-				
PK	2.5016G	56.58	74.00	-17.42	23.47	3	Horizontal	188	2.36	-	28.60	4.51	-				
AV	2.5072G	46.77	54.00	-7.23	13.66	3	Horizontal	188	2.36	-	28.60	4.51	-				

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

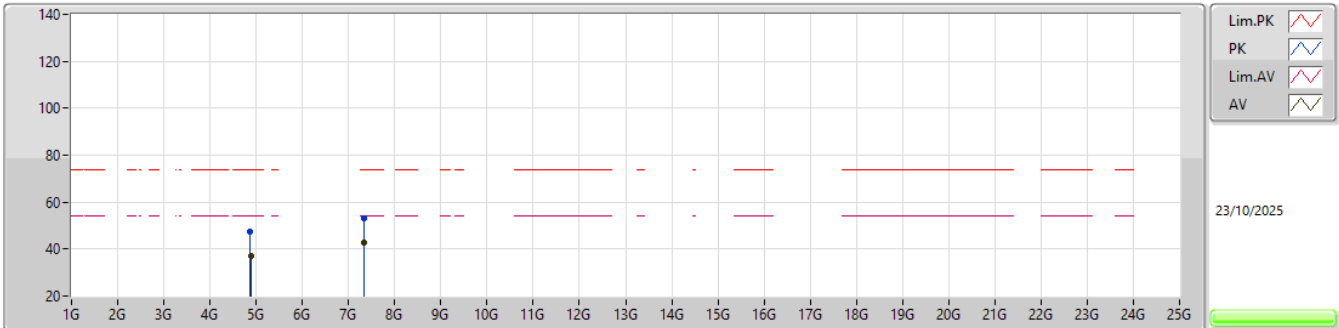


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.8916G	47.89	74.00	-26.11	37.36	3	Vertical	250	2.94	-	33.17	7.46	30.10				
AV	4.9222G	36.99	54.00	-17.01	26.34	3	Vertical	250	2.94	-	33.24	7.49	30.08				
PK	7.3554G	52.75	74.00	-21.25	38.01	3	Vertical	316	1.07	-	36.61	9.02	30.89				
AV	7.341G	42.78	54.00	-11.22	28.07	3	Vertical	316	1.07	-	36.58	9.02	30.89				

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

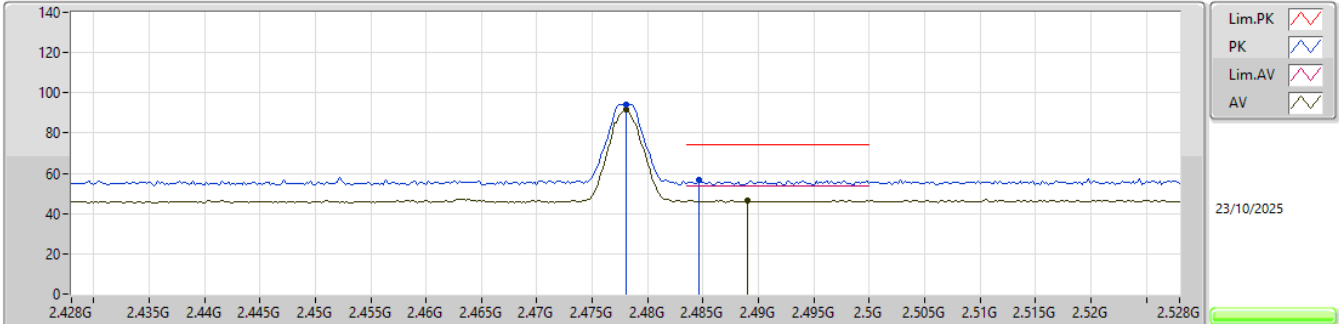


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.874G	47.49	74.00	-26.51	37.05	3	Horizontal	205	1.37	-	33.10	7.45	30.11				
AV	4.88G	37.22	54.00	-16.78	26.75	3	Horizontal	205	1.37	-	33.12	7.45	30.10				
PK	7.3454G	52.95	74.00	-21.05	38.23	3	Horizontal	297	2.96	-	36.59	9.02	30.89				
AV	7.33G	42.55	54.00	-11.45	27.86	3	Horizontal	297	2.96	-	36.56	9.02	30.89				

2.4-2.4835GHz_BT-LE(2Mbps)

2478MHz_TX

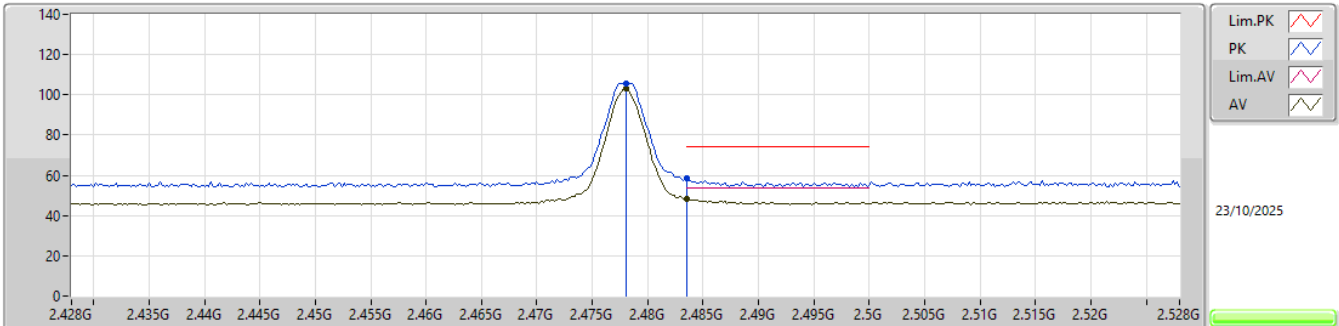


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.478G	94.43	Inf	-Inf	61.55	3	Vertical	223	1.98	-	28.40	4.48	-			
AV	2.478G	91.64	Inf	-Inf	58.76	3	Vertical	223	1.98	-	28.40	4.48	-			
PK	2.4846G	56.65	74.00	-17.35	23.72	3	Vertical	223	1.98	-	28.45	4.48	-			
AV	2.489G	46.57	54.00	-7.43	13.59	3	Vertical	223	1.98	-	28.49	4.49	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2478MHz_TX

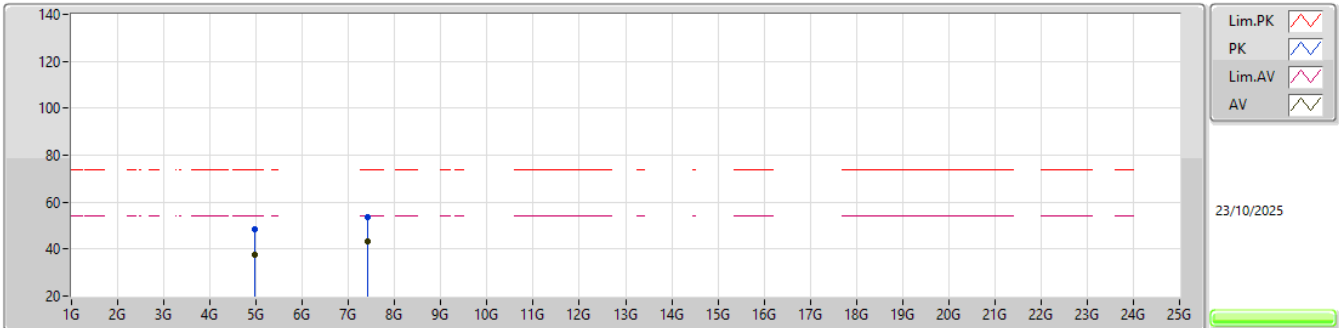


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	2.478G	105.78	Inf	-Inf	72.90	3	Horizontal	189	2.52	-	28.40	4.48	-			
AV	2.478G	103.38	Inf	-Inf	70.50	3	Horizontal	189	2.52	-	28.40	4.48	-			
PK	2.4835G	58.54	74.00	-15.46	25.62	3	Horizontal	189	2.52	-	28.44	4.48	-			
AV	2.4835G	48.21	54.00	-5.79	15.29	3	Horizontal	189	2.52	-	28.44	4.48	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2478MHz_TX

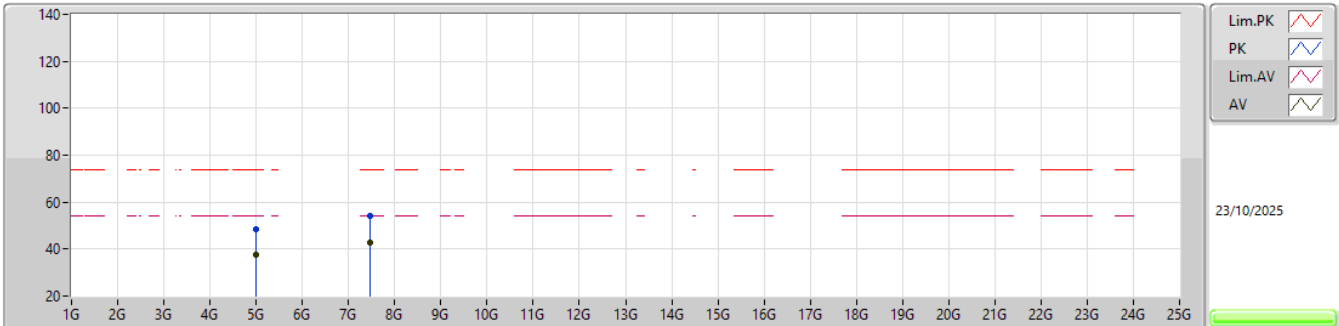


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.976G	48.23	74.00	-25.77	37.41	3	Vertical	335	1.17	-	33.35	7.53	30.06				
AV	4.9682G	37.47	54.00	-16.53	26.67	3	Vertical	335	1.17	-	33.34	7.52	30.06				
PK	7.4212G	53.50	74.00	-20.50	38.65	3	Vertical	57	1.39	-	36.70	9.04	30.89				
AV	7.4026G	43.36	54.00	-10.64	28.52	3	Vertical	57	1.39	-	36.70	9.03	30.89				

2.4-2.4835GHz_BT-LE(2Mbps)

2478MHz_TX

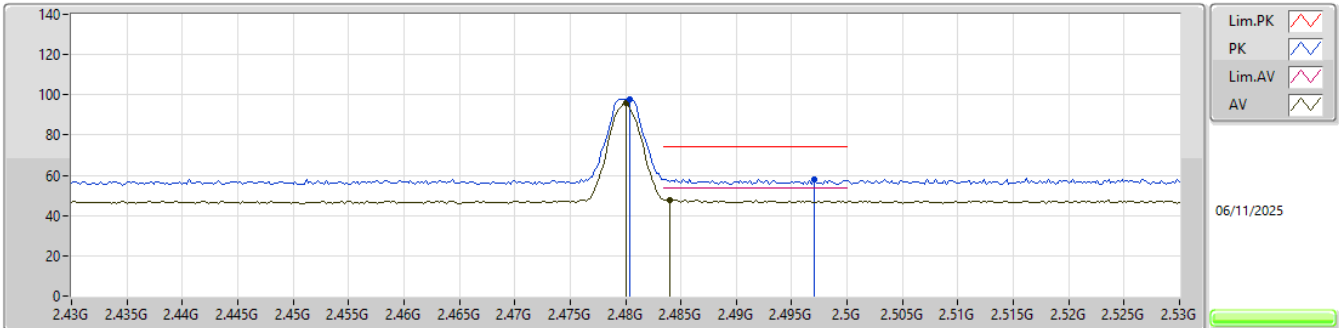


EUT_Y_1TX
Setting 20
02-D-I-1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	5.0044G	48.28	74.00	-25.72	37.38	3	Horizontal	12	2.84	-	33.40	7.55	30.05			
AV	5.006G	37.78	54.00	-16.22	26.88	3	Horizontal	12	2.84	-	33.40	7.55	30.05			
PK	7.4654G	54.19	74.00	-19.81	39.34	3	Horizontal	62	2.50	-	36.67	9.07	30.89			
AV	7.4674G	43.00	54.00	-11.00	28.15	3	Horizontal	62	2.50	-	36.67	9.07	30.89			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

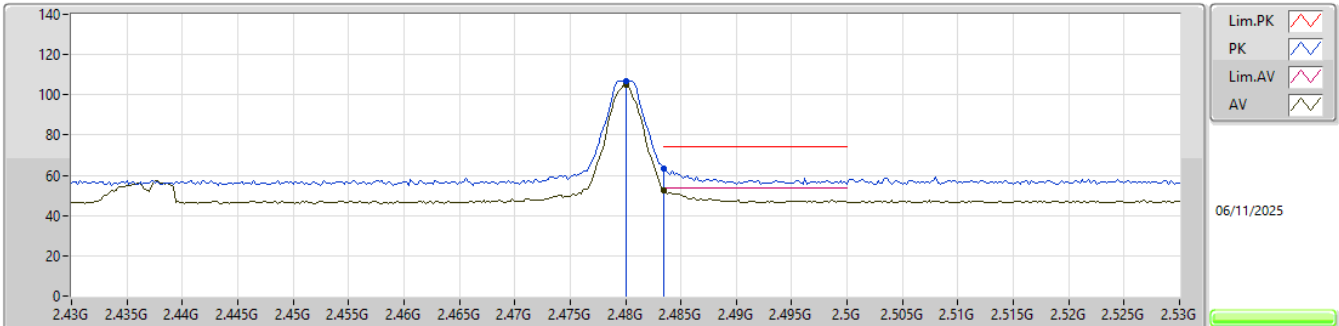


EUT_Y_1TX
Setting 11
06-U-E-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.4804G	97.91	Inf	-Inf	65.85	3	Vertical	306	2.80	-	27.40	4.66	-			
AV	2.48G	95.84	Inf	-Inf	63.78	3	Vertical	306	2.80	-	27.40	4.66	-			
PK	2.497G	58.23	74.00	-15.77	26.04	3	Vertical	306	2.80	-	27.50	4.69	-			
AV	2.484G	47.94	54.00	-6.06	15.83	3	Vertical	306	2.80	-	27.44	4.67	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

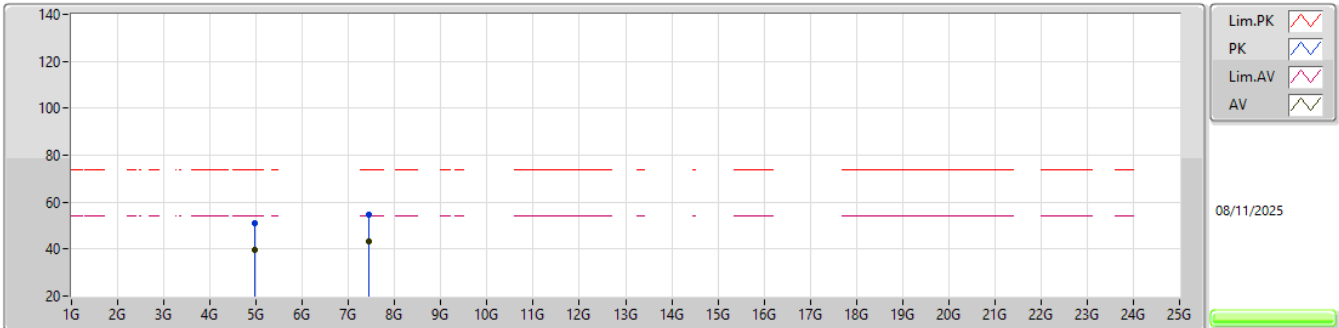


EUT_Y_1TX
Setting 11
06-U-E-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)			
PK	2.48G	107.03	Inf	-Inf	74.97	3	Horizontal	2	2.86	-	27.40	4.66	-			
AV	2.48G	105.08	Inf	-Inf	73.02	3	Horizontal	2	2.86	-	27.40	4.66	-			
PK	2.4835G	63.10	74.00	-10.90	31.00	3	Horizontal	2	2.86	-	27.43	4.67	-			
AV	2.4835G	52.66	54.00	-1.34	20.56	3	Horizontal	2	2.86	-	27.43	4.67	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

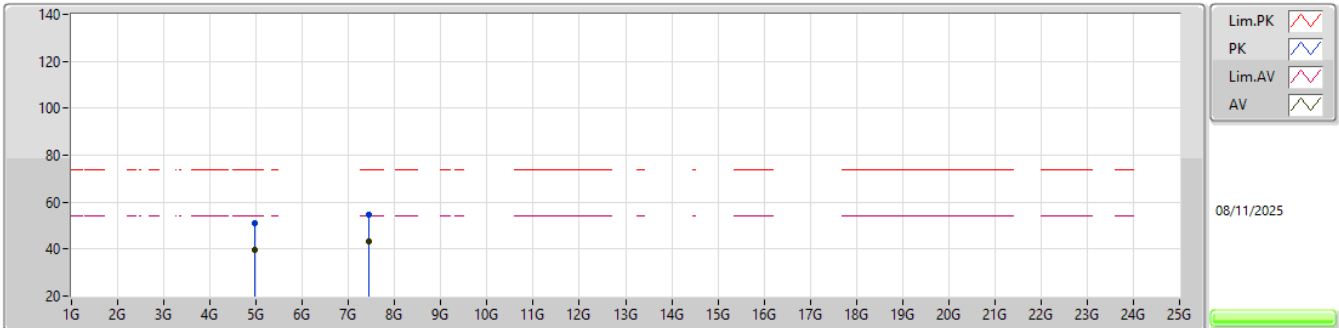


EUT_Y_1TX
Setting 11
06-U-E-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.96204G	50.96	74.00	-23.04	46.37	3	Vertical	276	1.62	-	31.45	6.82	33.68			
AV	4.96173G	39.48	54.00	-14.52	34.89	3	Vertical	276	1.62	-	31.45	6.82	33.68			
PK	7.44114G	54.77	74.00	-19.23	42.86	3	Vertical	94	1.87	-	36.56	8.94	33.59			
AV	7.44108G	43.26	54.00	-10.74	31.35	3	Vertical	94	1.87	-	36.56	8.94	33.59			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



EUT_Y_1TX
Setting 11
06-U-E-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.96113G	50.78	74.00	-23.22	46.21	3	Horizontal	47	2.55	-	31.44	6.81	33.68				
AV	4.96039G	39.79	54.00	-14.21	35.22	3	Horizontal	47	2.55	-	31.44	6.81	33.68				
PK	7.44054G	54.55	74.00	-19.45	42.64	3	Horizontal	121	1.72	-	36.56	8.94	33.59				
AV	7.44149G	43.05	54.00	-10.95	31.13	3	Horizontal	121	1.72	-	36.57	8.94	33.59				