



RADIO TEST REPORT

FCC ID : 2ACIX-AIOS9
Equipment : wireless module
Brand Name : Bowers & Wilkins
Model Name : AIOS 9.0
Applicant : B&W Group Ltd.
Dale Road, Worthing, West Sussex BN11 2BH,
United Kingdom
Manufacturer : B&W Group Ltd.
Dale Road, Worthing, West Sussex BN11 2BH,
United Kingdom
Standard : 47 CFR FCC Part 15.247

The product was received on Oct. 24, 2024, and testing was started from Nov. 20, 2024 and completed on Jul. 15, 2025. 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 C63.10-2013 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. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

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	13
2.4 Accessories	14
2.5 Support Equipment.....	14
2.6 Test Setup Diagram	15
3 Transmitter Test Result	18
3.1 AC Power-line Conducted Emissions	18
3.2 DTS Bandwidth.....	20
3.3 Maximum Conducted Output Power	21
3.4 Power Spectral Density	23
3.5 Emissions in Non-restricted Frequency Bands	25
3.6 Emissions in Restricted Frequency Bands.....	26
4 Test Equipment and Calibration Data	30
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 v01	



TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_6 Ver1.3



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 test configuration, test mode and test software were written in this test report are declared by the manufacturer.

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**

<Set 1>

Ant.	Port			Brand Name	Model Name	Antenna Type	Connector	Gain (dBi)
	BT	WLAN 2.4/6GHz	WLAN 5GHz					
1	1	-	-	Radtenna Ltd.	ZZ40924	Dipole	IPEX	Note 1
2	-	1	-		ZZ44806			
3	-	2	-		ZZ44814			
4	-	-	2		ZZ44822			
5	-	-	1		ZZ44830			

Note 1:

Ant.	Max Peak Gain (dBi)				Cable Loss (dB)				Net Gain (dBi)			
	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz
1	2.2	-	-	-	0.9	-	-	-	1.3	-	-	-
2	-	2.3	-	3	-	0.6	-	1	-	1.7	-	2
3	-	2.1	-	2.4	-	0.8	-	1.3	-	1.3	-	1.1
4	-	-	1.4	-	-	-	0.9	-	-	-	0.5	-
5	-	-	2.1	-	-	-	1	-	-	-	1.1	-

<Set 2>

Ant.	Port			Brand Name	Model Name	Antenna Type	Connector	Gain (dBi)
	BT	WLAN 2.4/6GHz	WLAN 5GHz					
1	1	-	-	Radtenna Ltd.	ZZ45640	Slot	IPEX	Note 2
2	-	1	-		ZZ45659	Dipole		
3	-	2	-		ZZ45667			
4	-	-	2		ZZ45675			
5	-	-	1		ZZ45683			

Note 2:

Ant.	Max Peak Gain (dBi)				Cable Loss (dB)				Net Gain (dBi)			
	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz
1	1.8	-	-	-	0.4	-	-	-	1.4	-	-	-
2	-	2.3	-	3	-	0.3	-	0.4	-	2	-	2.6
3	-	2.1	-	2.4	-	0.3	-	0.4	-	1.8	-	2
4	-	-	1.4	-	-	-	0.6	-	-	-	0.8	-
5	-	-	1.4	-	-	-	0.4	-	-	-	1	-


<Set 3>

Ant.	Port			Brand Name	Model Name	Antenna Type	Connector	Cable	Gain (dBi)
	BT	WLAN 2.4/6GHz	WLAN 5GHz						
1	1	-	-	Radtenna Ltd.	ZZ44563	Dipole	IPEX	Note 3	Note 4
2	-	1	-		ZZ44571				
3	-	2	-		ZZ44598				
4	-	-	2		ZZ44601				
5	-	-	1		ZZ44601				

Note 3: The antennas in Set 3 do not originally contain cable. The information of antenna cables combined with them are listed below:

Combined Ant.	Brand Name	Model Name
1	ShenYu	ZX38008
2		ZX38016
3		ZX38024
4		ZX38032
5		ZX38040

Note 4:

Ant.	Max Peak Gain (dBi)				Cable Loss (dB)				Net Gain (dBi)			
	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	BT	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz
1	2.9	-	-	-	1.79	-	-	-	1.11	-	-	-
2	-	2.4	-	3.9	-	0.62	-	1.1	-	1.78	-	2.8
3	-	1.4	-	3.6	-	1.26	-	2.22	-	0.14	-	1.38
4	-	-	2	-	-	-	1.22	-	-	-	0.78	-
5	-	-	2	-	-	-	2.12	-	-	-	-0.12	-

Note 5: The above information was declared by manufacturer.

Note 6: Directional gain information

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 ≤ 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 :

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

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

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

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

Where ;

$$2.4G \ G1 = 2 \text{ dBi}; \ G2 = 1.8 \text{ dBi}; \ DG = 4.91 \text{ dBi}$$



5G G1 = 1 dBi; G2 = 0.8 dBi; DG = 3.91 dBi

6G G1 = 2.6 dBi; G2 = 2 dBi; DG = 5.32 dBi

Note 7: The EUT has three sets of antenna and there are five antennas for each set.

For RF Conducted tests:

For PSD, only antenna sets listed below with the highest gain among all antenna sets were selected to test:

For 2.4GHz/6GHz: Set 2, Ant. 2~3.

For 5GHz: Set 2, Ant. 4~5.

For Bluetooth: Set 2, Ant. 1.

For Output Power, only antennas listed below with the highest peak gain were selected to test:

For 2.4GHz: Set 2, Ant. 2.

For 5GHz: Set 1, Ant. 5.

For 6GHz: Set 3, Ant. 2.

For Bluetooth: Set 2, Ant. 1.

For Radiated tests, only antennas listed below with higher directional gain than other same type of antennas were selected to test:

For 2.4GHz/6GHz: Set 2, Ant. 2~3.

For 5GHz: Set 2, Ant. 4~5.

For Bluetooth: Set 1, Ant. 1 and Set 2, Ant. 1.

Note 8: **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 (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 Bluetooth function (1TX/1RX):

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

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
2.4-2.4835GHz_BT-LE(1Mbps)	0.851	0.7	2.128m	500
2.4-2.4835GHz_BT-LE(2Mbps)	0.572	2.43	1.072m	1k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From host system		
Function	☒ Point-to-multipoint	☐ Point-to-point	
Test Software Version	DOS [ver 6.1.7601]		
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 Component Source Information

Source	eMMC (Location: U9)
Main	Brand: SAMSUNG / Model: KLM8G1GETF-B041
Second	Brand: KIOXIA / Model: THGBMUG6C1LBAIL

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT Information

The EUTs are identical to each other except for differences listed below:

EUT	eMMC (Location: U9)
1	Main source
2	Second source

Note 1: From above EUTs, EUT 1 was selected to test all the test items, and EUT 2 was selected to test Emissions in Restricted Frequency Bands < 1GHz.

Note 2: The above information was declared by manufacturer.

1.1.7 Table for EUT Function

Function	Support Type	Support Band
AP	Master	5GHz UNII 1
Station	Client without radar detection	2.4GHz, 5GHz UNII 1, 6GHz UNII 5~8

Note: 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 C63.10-2013

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	TH03-CB	Brian Sun	21.3~22.5 / 58~62	Jul. 05, 2025
Radiated < 1GHz (For EUT 1)	03CH04-CB	Gordon Hung	23.3~24.5 / 61~64	Jan. 03, 2025
			22.7~24.1 / 60~63	Jan. 15, 2025
Radiated < 1GHz (For EUT 2)	03CH05-CB	Gordon Hung	21.9~22.4 / 60~62	Jul. 15, 2025
Radiated > 1GHz (For Mode 1)	03CH02-CB	Black Lu	22~23 / 61~63	Nov. 27, 2024~ Dec. 11, 2024
Radiated > 1GHz (For Mode 2)	03CH06-CB	Black Lu	22.5~22.9 / 58~60	Jul. 04, 2025~ Jul. 05, 2025
AC Conduction	CO01-CB	Tim Chen	21~22 / 61~62	Nov. 20, 2024



1.4 Measurement Uncertainty

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

Test date: Before May 28, 2025

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)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 dB	Confidence levels of 95%

Test date: After May 27, 2025

Test Items	Uncertainty	Remark
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.7 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
2480MHz
BT-LE(2Mbps)
2402MHz
2440MHz
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 1 + Ant. Set 1_WLAN 2.4GHz + WLAN 5GHz + Bluetooth
2	EUT 1 + Ant. Set 1_WLAN 6GHz + WLAN 5GHz + Bluetooth
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
Operating Mode	1 EUT 1 + Ant. Set 2



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
	The EUT was performed at X axis, Y axis and Z axis positions, and the worst case was found at Y axis. Thus, the measurement will follow this same test configuration.
1	EUT 1 in Y axis + Ant. Set 1_WLAN 2.4GHz + WLAN 5GHz + Bluetooth
2	EUT 1 in Y axis + Ant. Set 1_WLAN 6GHz + WLAN 5GHz + Bluetooth
3	EUT 1 in Y axis + Ant. Set 2_WLAN 2.4GHz + WLAN 5GHz + Bluetooth
4	EUT 1 in Y axis + Ant. Set 2_WLAN 6GHz + WLAN 5GHz + Bluetooth
5	EUT 1 in Y axis + Ant. Set 3_WLAN 2.4GHz + WLAN 5GHz + Bluetooth
6	EUT 1 in Y axis + Ant. Set 3_WLAN 6GHz + WLAN 5GHz + Bluetooth
Mode 2 has been evaluated to be the worst case among Mode 1~6, so the measurement for Mode 7 will follow this same test mode.	
7	EUT 2 in Y axis + Ant. Set 1_WLAN 6GHz + WLAN 5GHz + Bluetooth
For operating, mode 2 is the worst case and it was recorded in this test report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis positions, and the worst cases were found at Y axis for Ant. Set 1 and at Z axis for Ant. Set 2. Thus, the measurement will follow these same test configurations.
1	EUT 1 in Y axis + Ant. Set 1
2	EUT 1 in Z axis + Ant. Set 2

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + Bluetooth
2	WLAN 6GHz + WLAN 5GHz + Bluetooth
Refer to Sporton Test Report No.: FA4O2328 for Co-location RF Exposure Evaluation.	

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

N/A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Fixture	MASIMO	AIOS9 test jig	N/A
B	Console NB	DELL	E6430	N/A
C	Device	Swisscom	IP1800	N/A
D	4K TV	PHILIPS	288E2A/96	N/A
E	Router	LINKSYS	MR7500	K7S-03689
F	Router NB	Lenovo	X260	N/A
G	BT Speaker	MI	XMYX02YM	2AJ7PXYMYX02YM
H	Flash disk3.0	Transcend	JetFlash-703	N/A
I	Earphone	SHYARO CHI	MIC-04	N/A
J	Mouse	HP	FM100	N/A

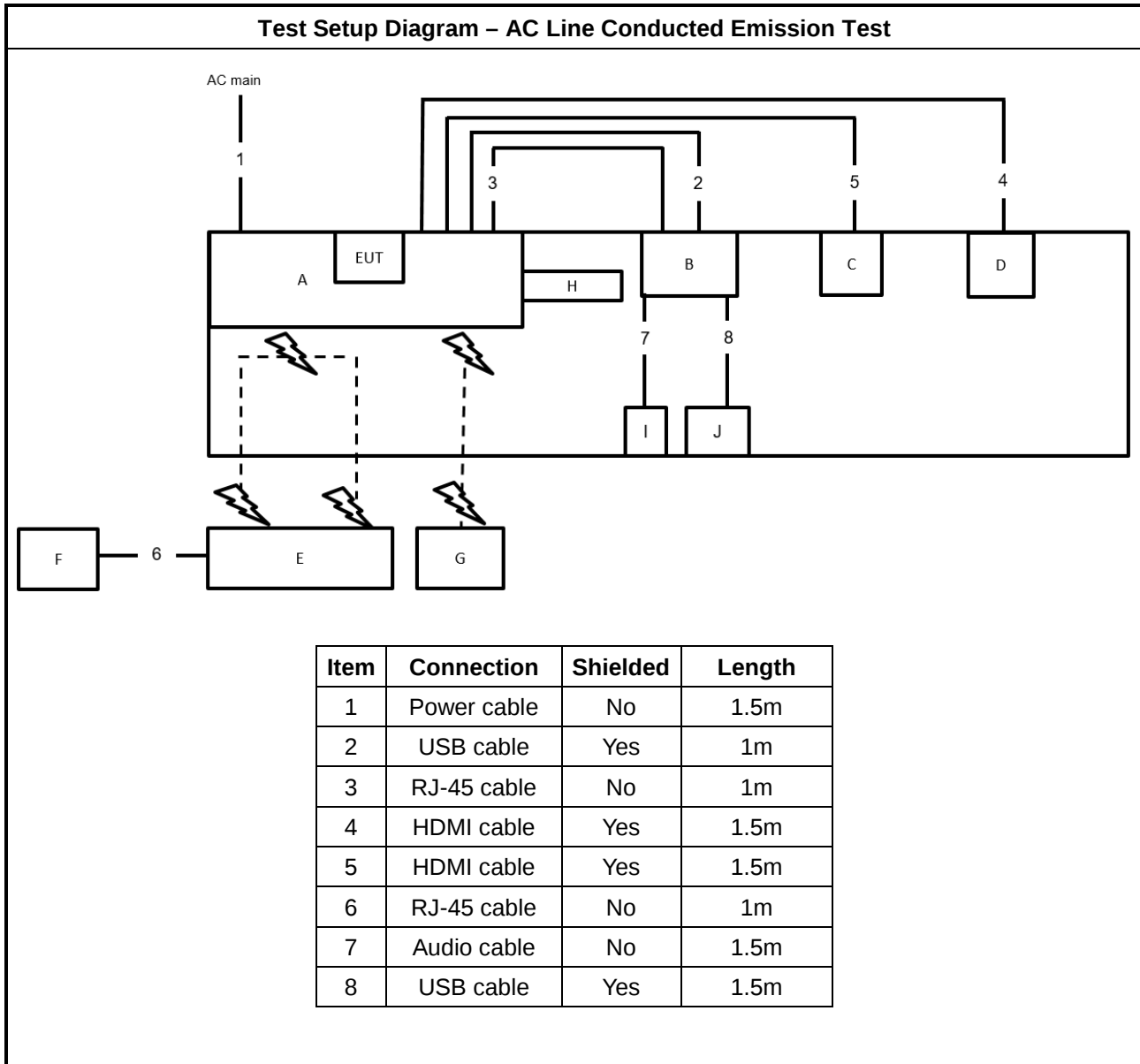
For Radiated < 1GHz:

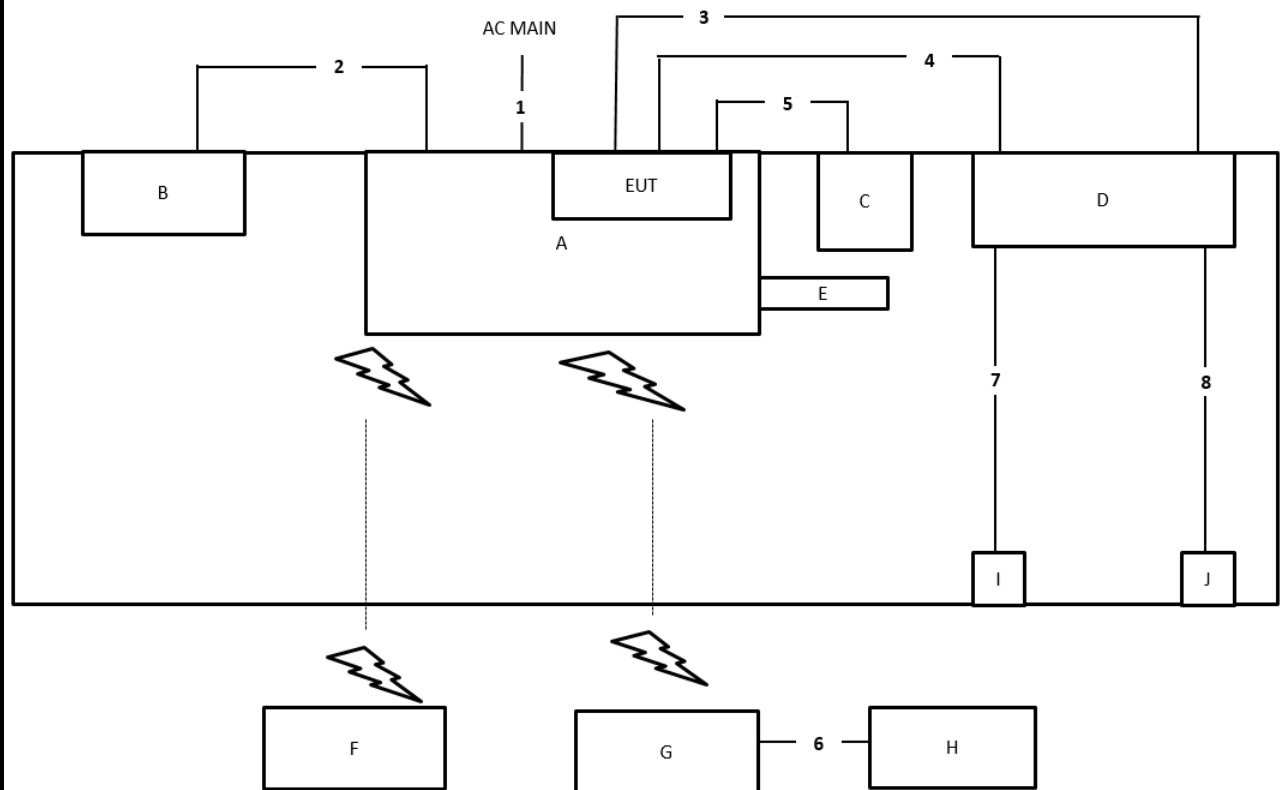
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Fixture	MASIMO	AIOS9 test jig	N/A
B	4K TV	PHILIPS	288E2A/96	N/A
C	Device	Swisscom	IP1800	N/A
D	Console NB	DELL	E6230	N/A
E	Flash disk3.0	Silicon Power	B06	N/A
F	BT Speaker	BSOPI	S8	N/A
G	AP Router	LINKSYS	MR7500	N/A
H	NB	DELL	E4300	N/A
I	Earphone	SHYARO CHI	MIC-04	N/A
J	Mouse	Logitech	M-U0026	N/A

For Radiated > 1GHz and RF Conducted:

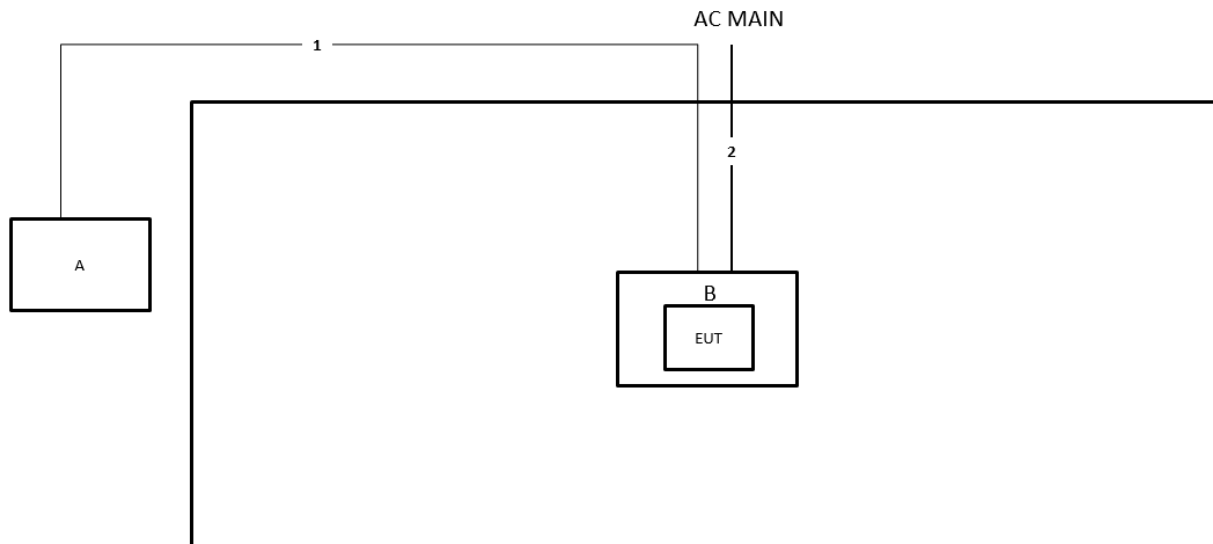
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Fixture	MASIMO	AIOS9 test jig	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	HDMI cable	Yes	1m
3	USB cable	Yes	1m
4	RJ-45 cable	No	1m
5	HDMI cable	Yes	1m
6	RJ-45 cable	No	1m
7	Audio cable	No	1.5m
8	USB cable	Yes	1.5m

Test Setup Diagram - Radiated Test > 1GHz


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.2m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

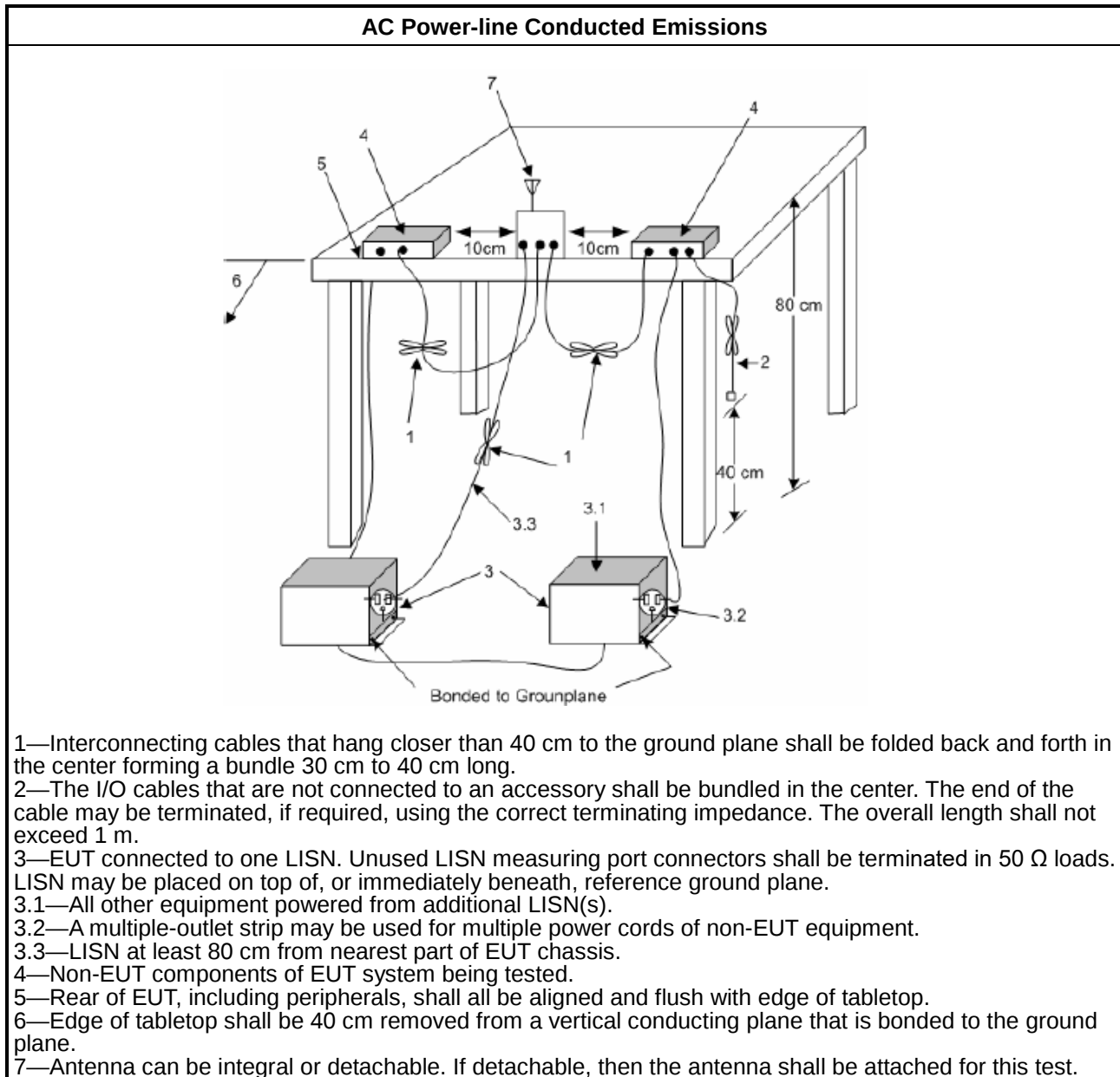
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 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.

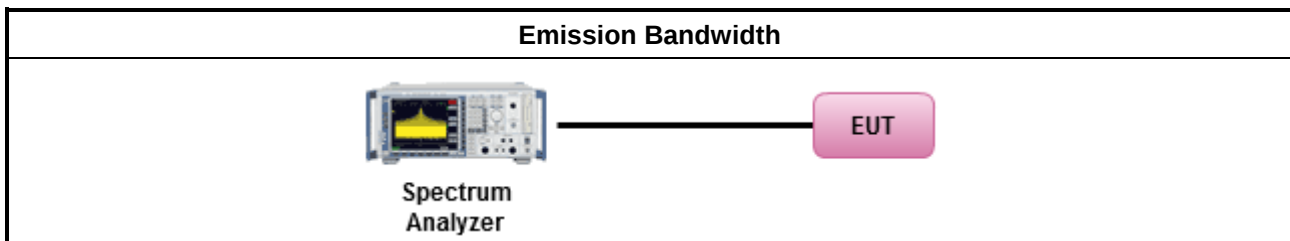
3.2.2 Measuring Instruments

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

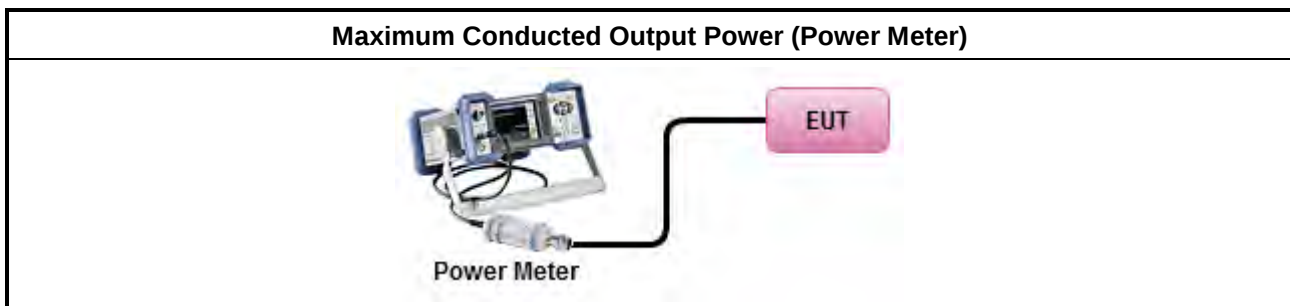
Refer a test equipment and calibration data table in this test report.

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 $\geq$ 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 $\geq 98\%$ 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

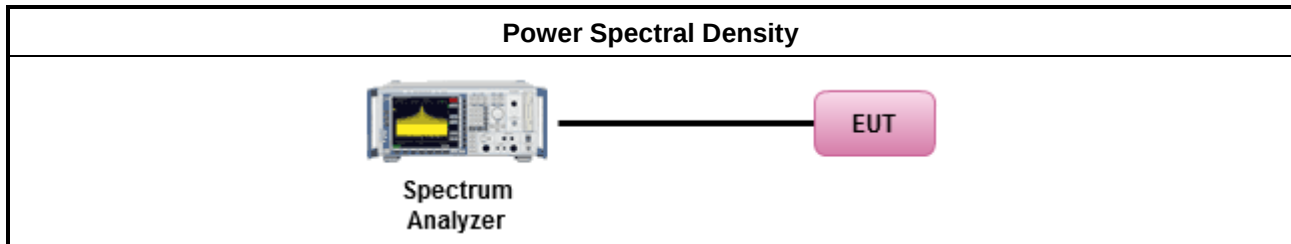
3.4.2 Measuring Instruments

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.	

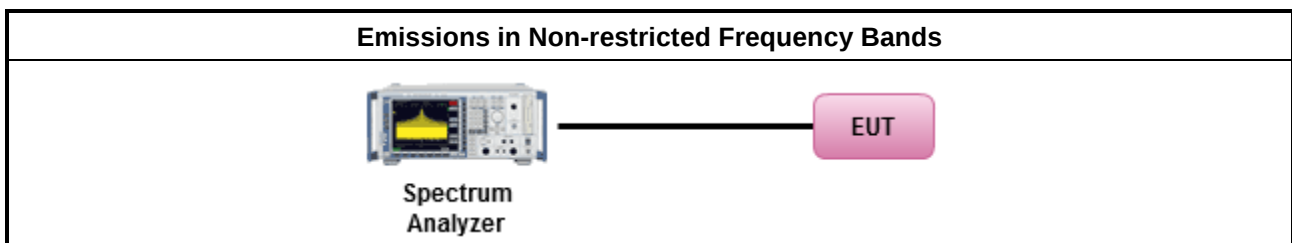
3.5.2 Measuring Instruments

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

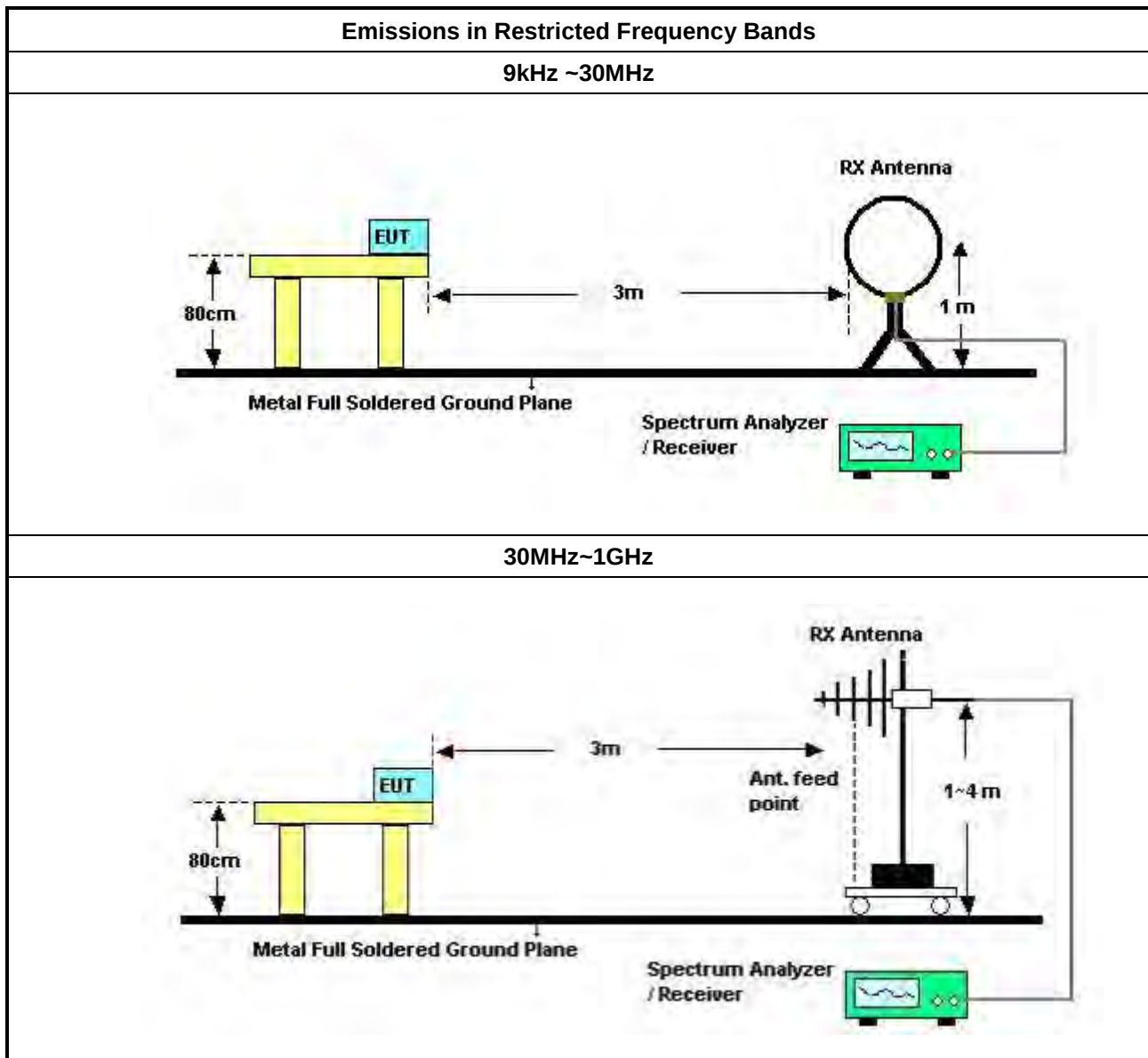
Refer a test equipment and calibration data table in this test report.

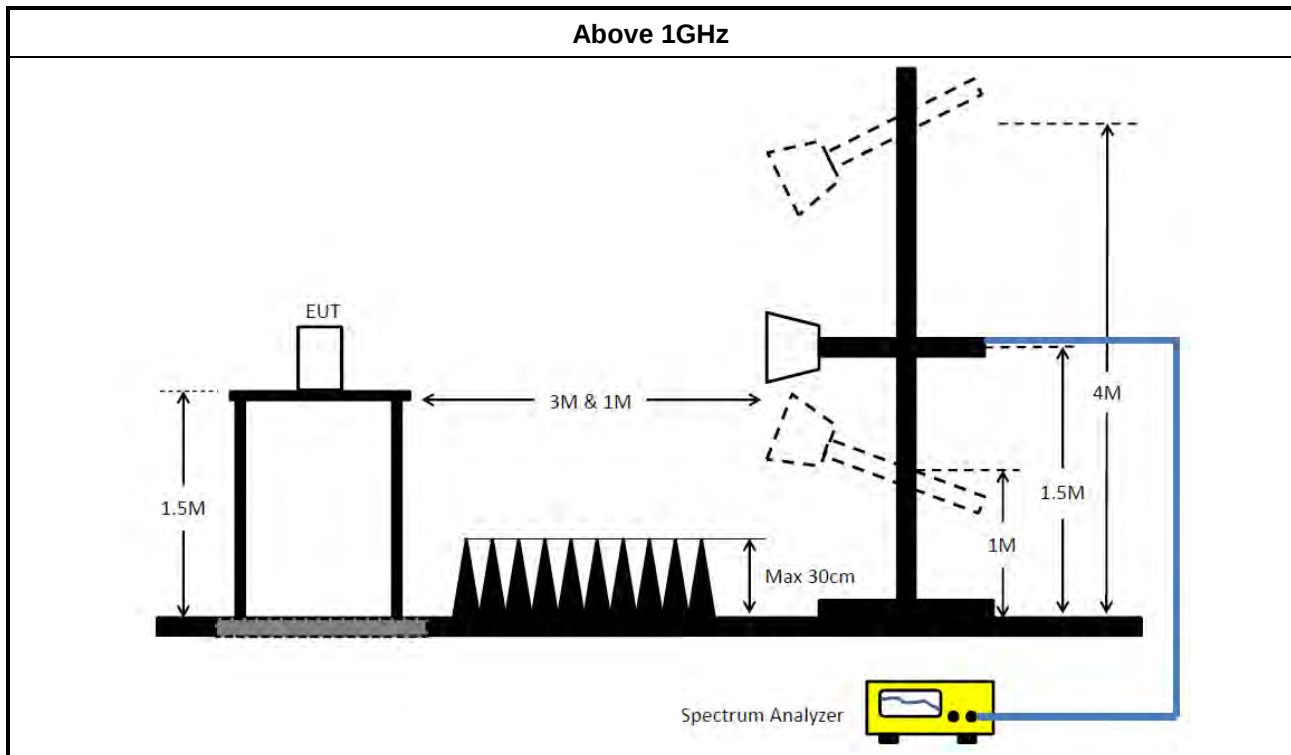


3.6.3 Test Procedures

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. 01, 2024	Feb. 28, 2025	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 19, 2024	Feb. 18, 2025	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 24, 2024	Apr. 23, 2025	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	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 - 30 MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30MHz ~ 1GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 22, 2024	Feb. 21, 2025	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCi	CBL6112B & N-6-06	22021&AT-N06 07	30MHz ~ 1GHz	Oct. 05, 2024	Oct. 04, 2025	Radiation (03CH04-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	May 22, 2024	May 21, 2025	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 19, 2024	Mar. 18, 2025	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz ~ 1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 01, 2024	Jul. 31, 2025	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCi	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 22, 2025	Mar. 21, 2026	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2025	Apr. 30, 2026	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 21, 2025	Apr. 20, 2026	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 12, 2024	Apr. 11, 2025	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Aug. 14, 2024	Aug. 13, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-15247_FS	V5.11.18	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)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 20, 2024	Aug. 19, 2025	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-15247_FS	V5.11.18	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 02, 2025	Jan. 01, 2026	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1~18GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH03-CB)
Test Software	SPORTON	SENSE-15247_FS	V5.11.18	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR means Non-Calibration required.



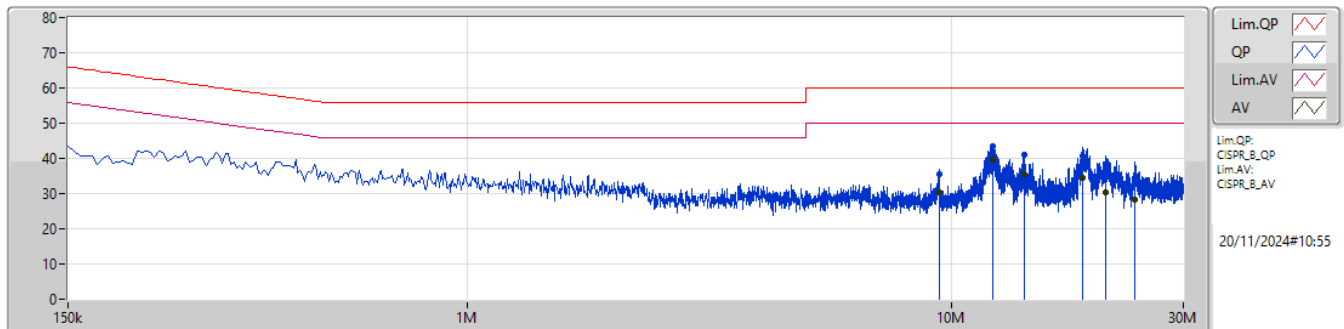
Conducted Emissions at Powerline

Appendix A

Summary

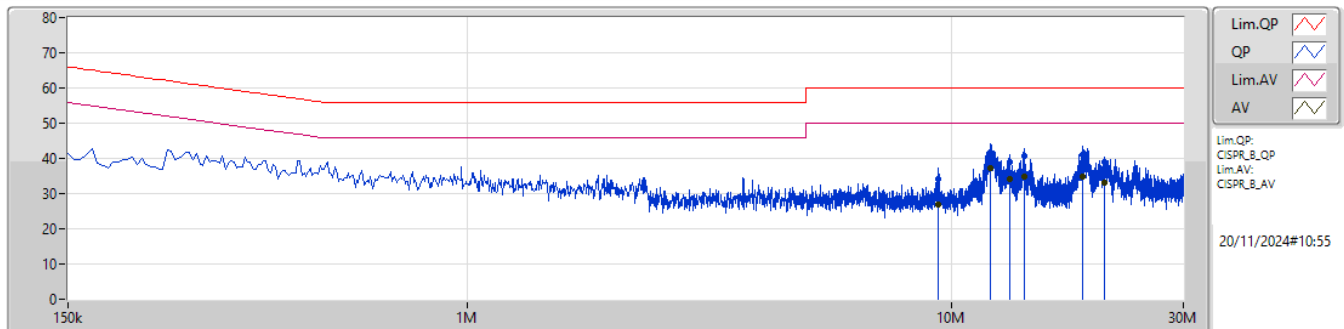
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	12.12M	39.76	50.00	-10.24	Line

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	9.402M	35.39	60.00	-24.61	10.20	Line	-	25.19	0.22	0.15	9.83						
AV	9.402M	30.42	50.00	-19.58	10.20	Line	-	20.22	0.22	0.15	9.83						
QP	12.12M	43.34	60.00	-16.66	10.30	Line	-	33.04	0.25	0.18	9.87						
AV	12.12M	39.76	50.00	-10.24	10.30	Line	"Worst"	29.46	0.25	0.18	9.87						
QP	14.078M	41.03	60.00	-18.97	10.38	Line	-	30.65	0.27	0.21	9.90						
AV	14.078M	35.51	50.00	-14.49	10.38	Line	-	25.13	0.27	0.21	9.90						
QP	18.564M	40.63	60.00	-19.37	10.53	Line	-	30.10	0.30	0.30	9.93						
AV	18.564M	34.42	50.00	-15.58	10.53	Line	-	23.89	0.30	0.30	9.93						
QP	20.765M	36.27	60.00	-23.73	10.58	Line	-	25.69	0.31	0.33	9.94						
AV	20.765M	30.34	50.00	-19.66	10.58	Line	-	19.76	0.31	0.33	9.94						
QP	23.852M	34.33	60.00	-25.67	10.59	Line	-	23.74	0.33	0.31	9.95						
AV	23.852M	28.23	50.00	-21.77	10.59	Line	-	17.64	0.33	0.31	9.95						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	9.384M	34.18	60.00	-25.82	10.21	Neutral	-	23.97	0.23	0.15	9.83						
AV	9.384M	26.86	50.00	-23.14	10.21	Neutral	-	16.65	0.23	0.15	9.83						
QP	12.003M	41.82	60.00	-18.18	10.30	Neutral	-	31.52	0.26	0.18	9.86						
AV	12.003M	37.41	50.00	-12.59	10.30	Neutral	"Worst"	27.11	0.26	0.18	9.86						
QP	13.119M	39.02	60.00	-20.98	10.35	Neutral	-	28.67	0.26	0.20	9.89						
AV	13.119M	34.13	50.00	-15.87	10.35	Neutral	-	23.78	0.26	0.20	9.89						
QP	14.078M	40.60	60.00	-19.40	10.38	Neutral	-	30.22	0.27	0.21	9.90						
AV	14.078M	34.83	50.00	-15.17	10.38	Neutral	-	24.45	0.27	0.21	9.90						
QP	18.564M	40.87	60.00	-19.13	10.52	Neutral	-	30.35	0.29	0.30	9.93						
AV	18.564M	34.68	50.00	-15.32	10.52	Neutral	-	24.16	0.29	0.30	9.93						
QP	20.639M	38.90	60.00	-21.10	10.58	Neutral	-	28.32	0.31	0.33	9.94						
AV	20.639M	32.98	50.00	-17.02	10.58	Neutral	-	22.40	0.31	0.33	9.94						



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)	726.25k	1.047M	1M05F1D	708.75k	1.028M
BT-LE(2Mbps)	1.428M	2.081M	2M08F1D	1.188M	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

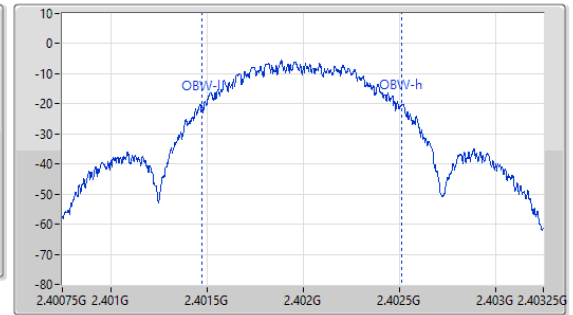
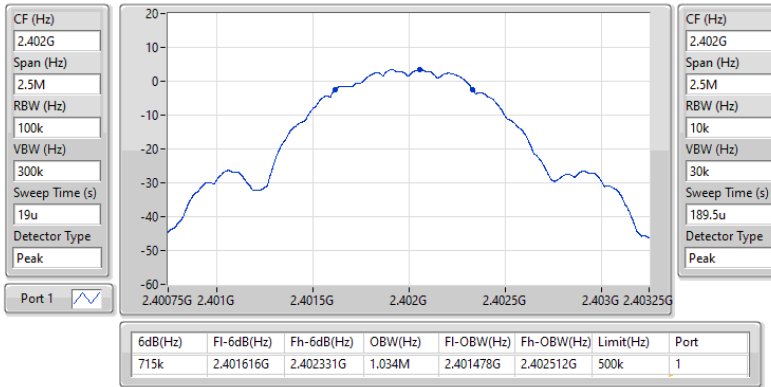
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	715k	1.034M
2440MHz	Pass	500k	708.75k	1.047M
2480MHz	Pass	500k	726.25k	1.028M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.428M	2.081M
2440MHz	Pass	500k	1.328M	2.069M
2480MHz	Pass	500k	1.188M	2.066M

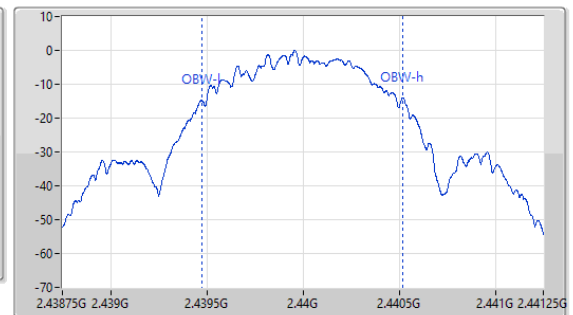
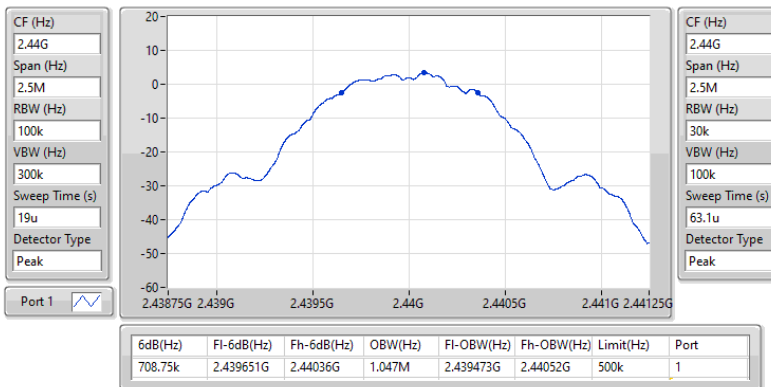
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

05/07/2025


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

05/07/2025

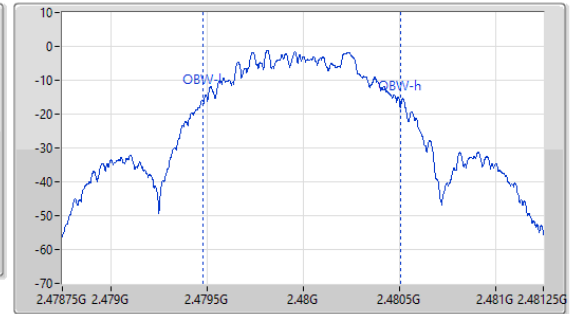
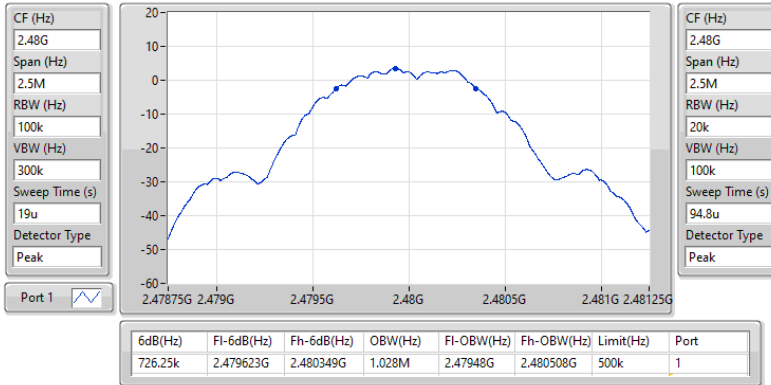


2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2480MHz

05/07/2025

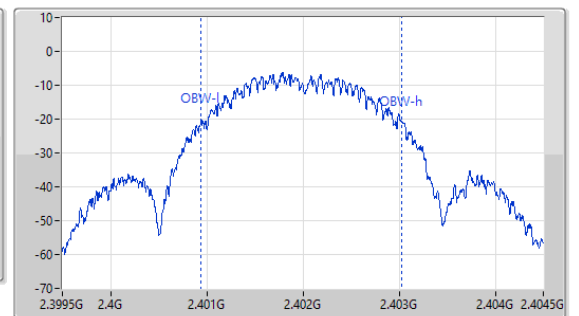
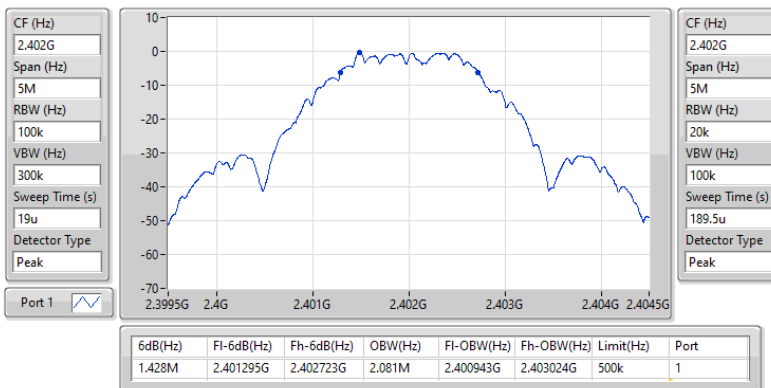


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2402MHz

05/07/2025

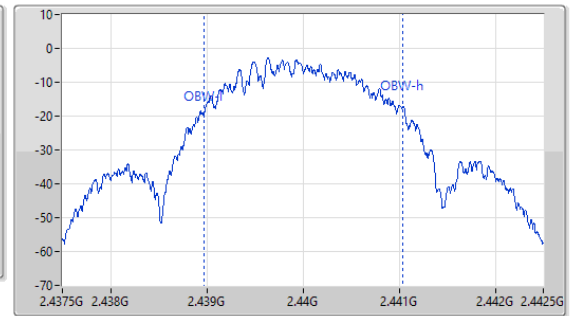
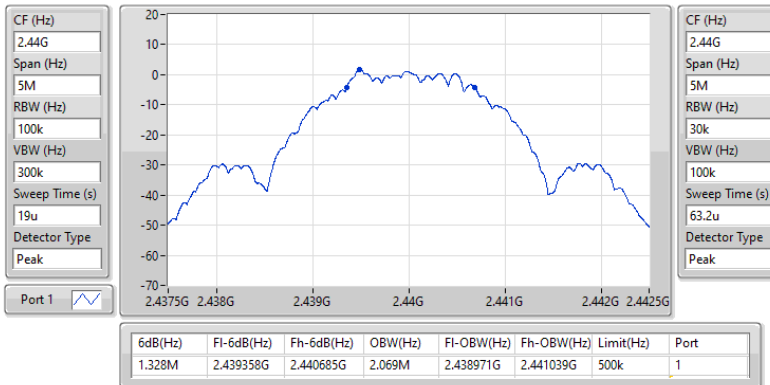


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2440MHz

05/07/2025

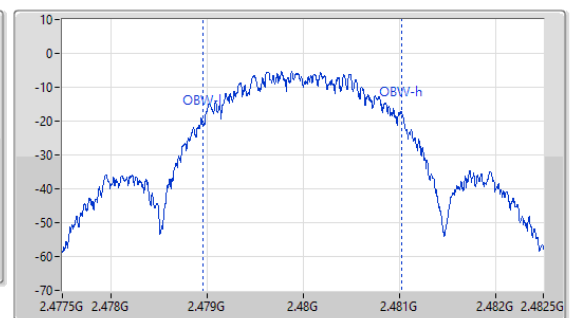
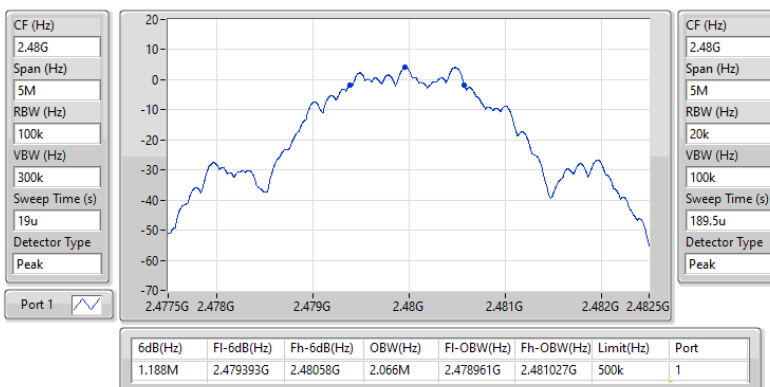


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2480MHz

05/07/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	5.29	0.00338
BT-LE(2Mbps)	5.30	0.00339



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	1.40	4.72	30.00
2440MHz	Pass	1.40	4.85	30.00
2480MHz	Pass	1.40	5.29	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	1.40	4.53	30.00
2440MHz	Pass	1.40	4.88	30.00
2480MHz	Pass	1.40	5.30	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)	-11.17
BT-LE(2Mbps)	-14.20

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	1.40	-11.80	8.00
2440MHz	Pass	1.40	-12.57	8.00
2480MHz	Pass	1.40	-11.17	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	1.40	-14.23	8.00
2440MHz	Pass	1.40	-15.98	8.00
2480MHz	Pass	1.40	-14.20	8.00

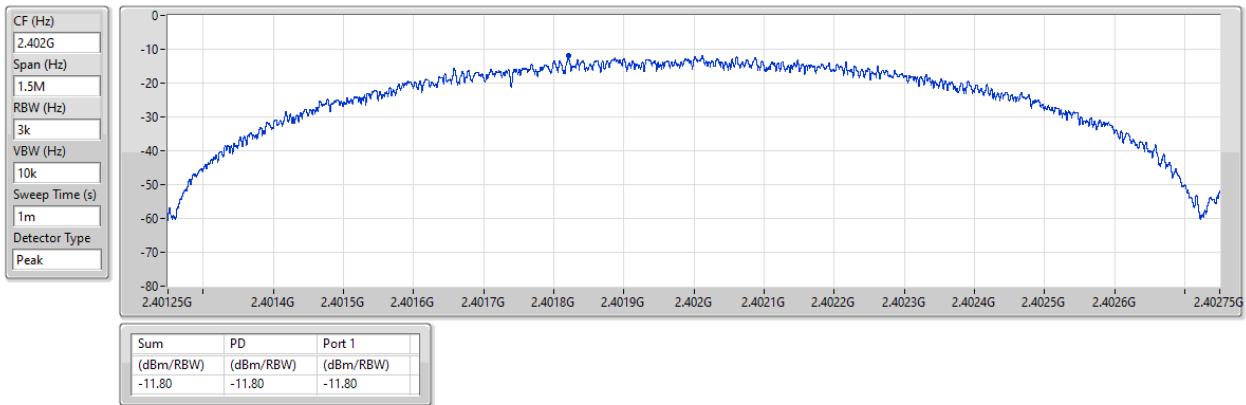
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2402MHz

05/07/2025

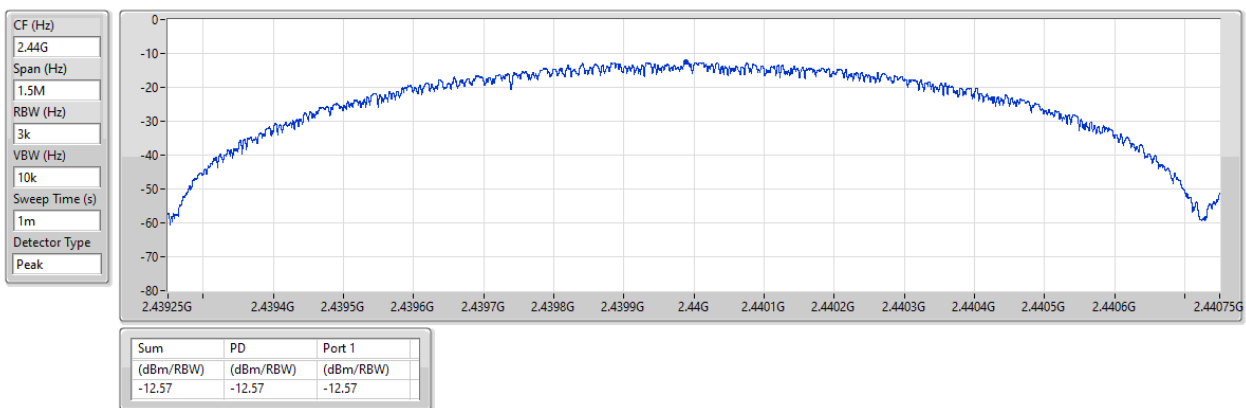


2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

05/07/2025

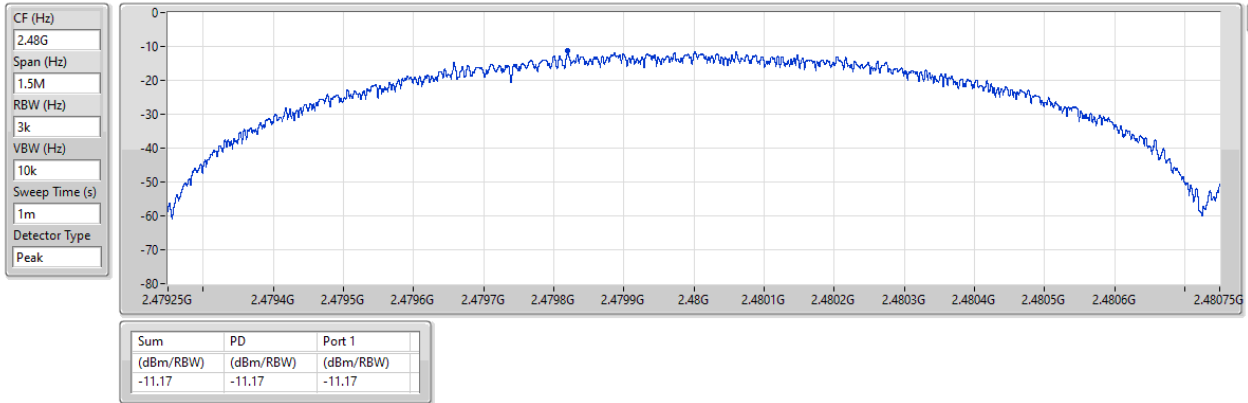


2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2480MHz

05/07/2025

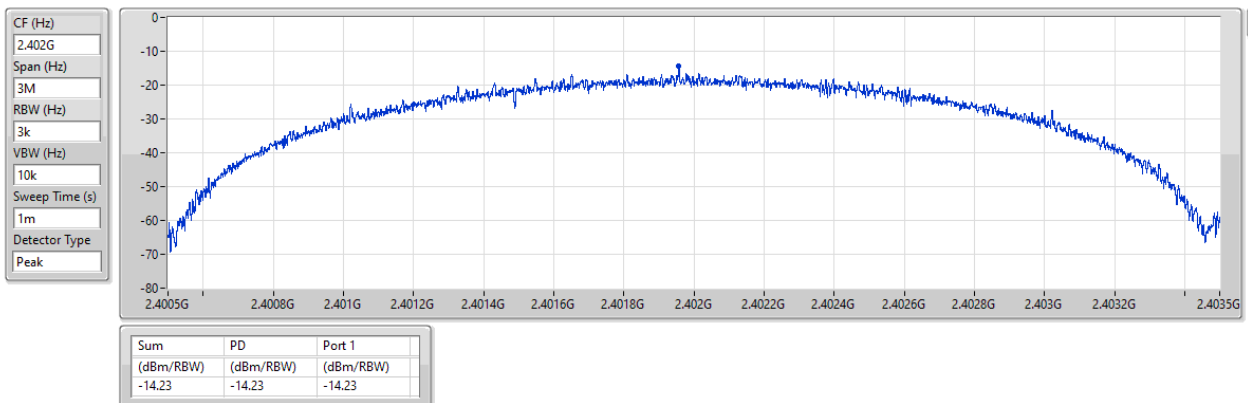


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

05/07/2025

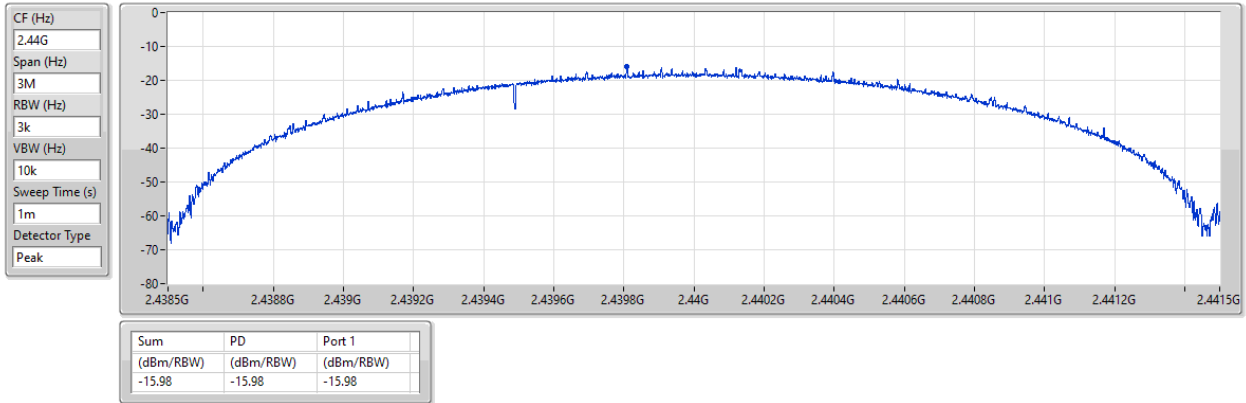


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2440MHz

05/07/2025

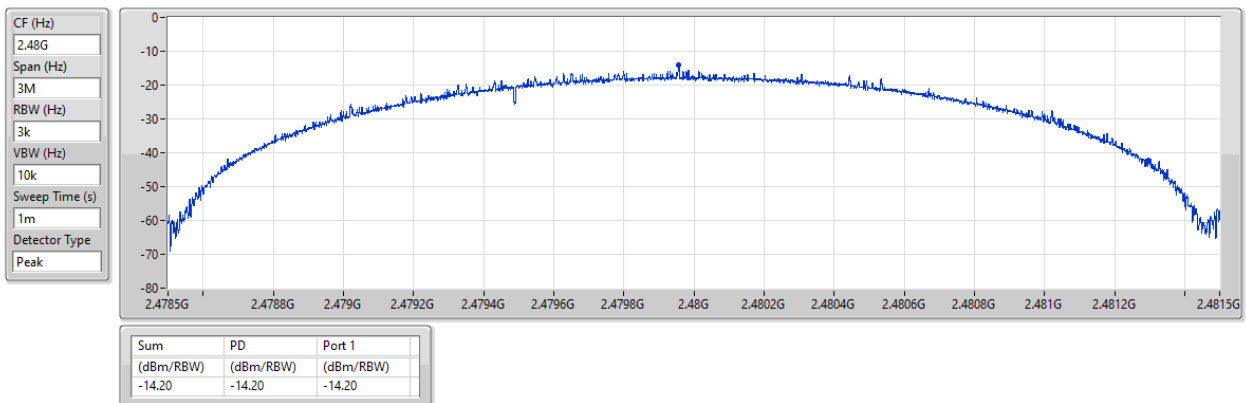


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2480MHz

05/07/2025



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	2.48033G	5.37	-24.63	860.73M	-50.98	2.39896G	-49.30	2.4G	-50.55	2.5015G	-50.64	6.98593G	-45.70	1
BT-LE(2Mbps)	Pass	2.48049G	4.47	-25.53	846.63M	-50.31	2.4G	-27.49	2.4G	-28.34	2.5027G	-49.98	6.74971G	-46.05	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	2.48033G	5.37	-24.63	758.5M	-50.61	2.39616G	-49.89	2.4G	-50.96	2.50186G	-49.43	6.9803G	-45.31	1
2440MHz	Pass	2.48033G	5.37	-24.63	1.90178G	-50.51	2.39876G	-49.71	2.4G	-51.74	2.5029G	-50.37	6.91G	-45.64	1
2480MHz	Pass	2.48033G	5.37	-24.63	860.73M	-50.98	2.39896G	-49.30	2.4G	-50.55	2.5015G	-50.64	6.98593G	-45.70	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.48049G	4.47	-25.53	846.63M	-50.31	2.4G	-27.49	2.4G	-28.34	2.5027G	-49.98	6.74971G	-46.05	1
2440MHz	Pass	2.48049G	4.47	-25.53	2.12503G	-49.10	2.39156G	-50.15	2.4G	-52.49	2.50338G	-49.80	5.73175G	-45.02	1
2480MHz	Pass	2.48049G	4.47	-25.53	1.7737G	-45.17	2.39828G	-49.76	2.4G	-51.94	2.50154G	-49.49	6.61474G	-45.44	1

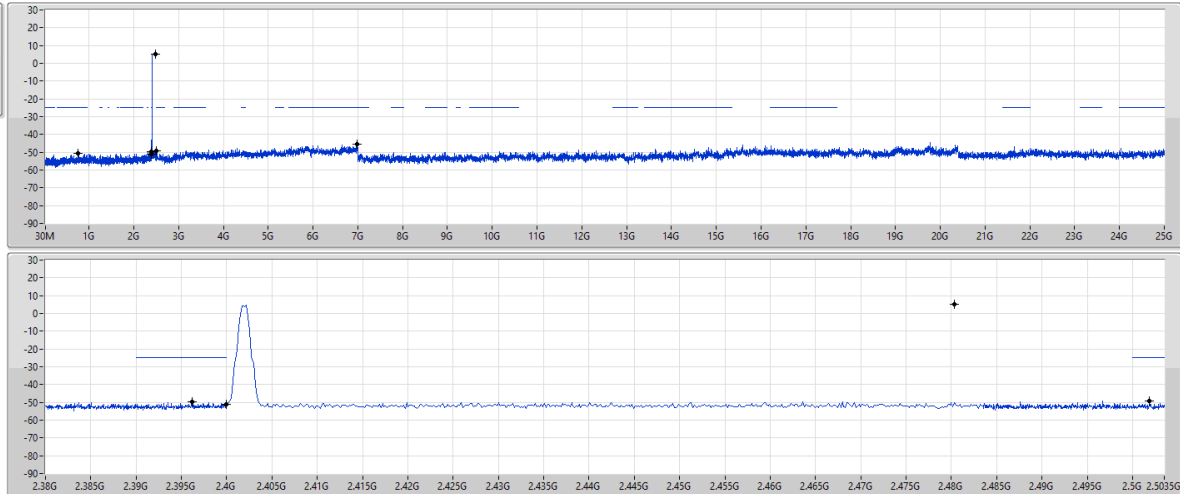
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

05/07/2025

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
2.48033G	5.37	-24.63	758.5M	-50.61	2.39616G	-49.89	2.4G	-50.96	2.50186G	-49.43	6.9803G	-45.31	1

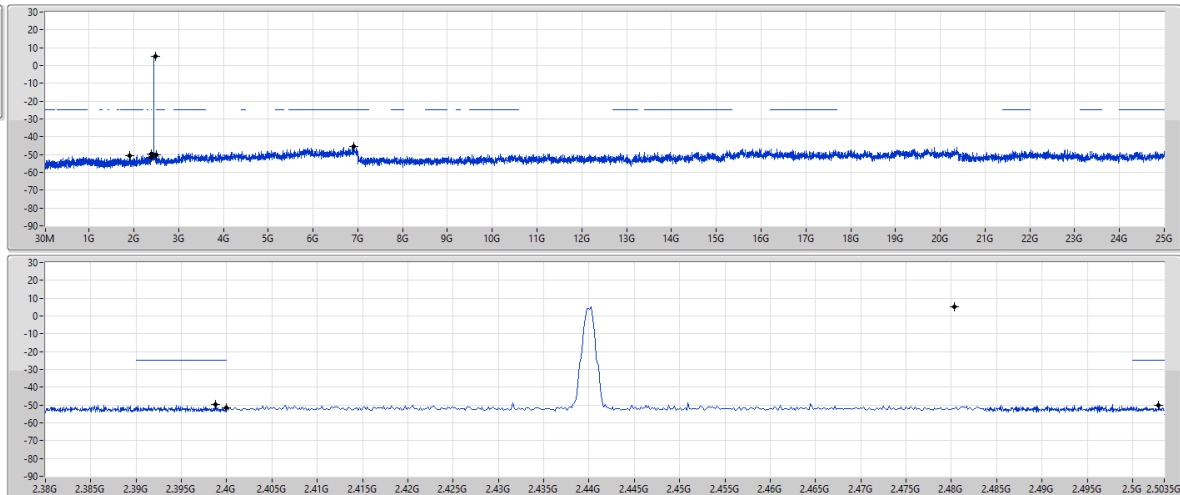
2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2440MHz

05/07/2025

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
2.48033G	5.37	-24.63	1.90178G	-50.51	2.39876G	-49.71	2.4G	-51.74	2.5029G	-50.37	6.91G	-45.64	1

2.4-2.4835GHz_BT-LE(1Mbps)

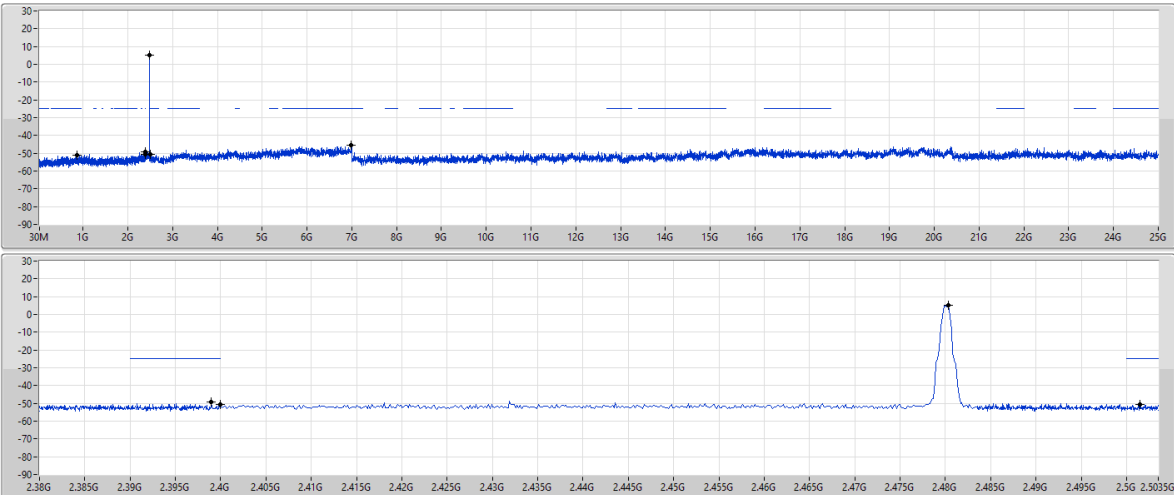
CSEndB-DTS

2480MHz

05/07/2025

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
2.48033G	5.37	-24.63	860.73M	-50.98	2.39896G	-49.30	2.4G	-50.55	2.5015G	-50.64	6.98593G	-45.70	1

2.4-2.4835GHz_BT-LE(2Mbps)

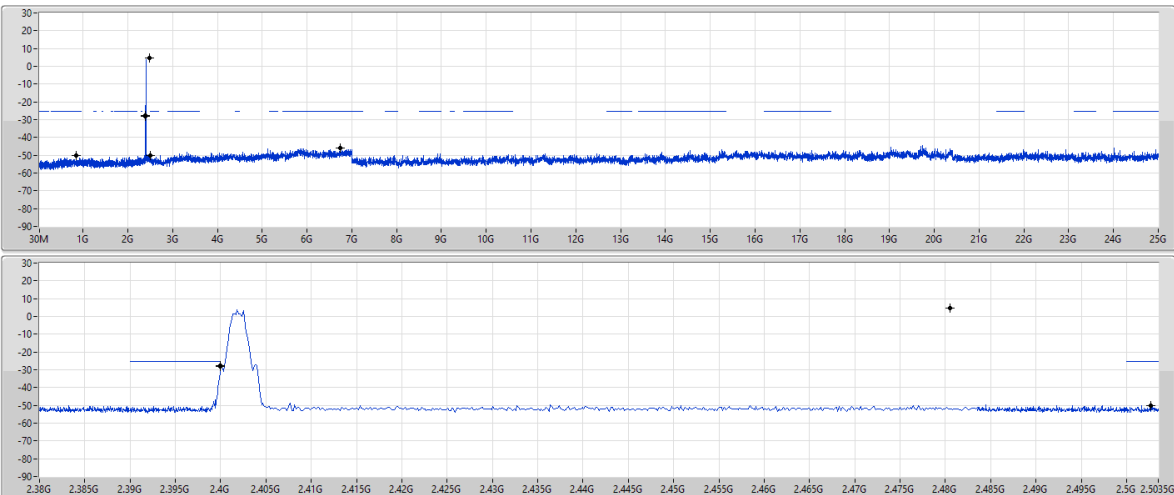
CSEndB-DTS

2402MHz

05/07/2025

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
2.48049G	4.47	-25.53	846.63M	-50.31	2.4G	-27.49	2.4G	-28.34	2.5027G	-49.98	6.74971G	-46.05	1

2.4-2.4835GHz_BT-LE(2Mbps)

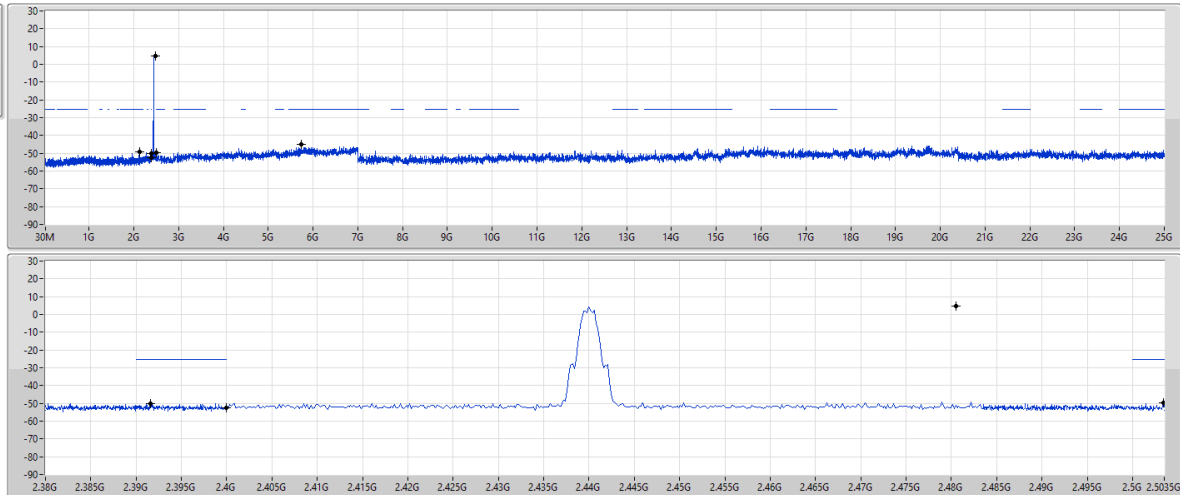
CSEndB-DTS

2440MHz

05/07/2025

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
2.48049G	4.47	-25.53	2.12503G	-49.10	2.39156G	-50.15	2.4G	-52.49	2.50338G	-49.80	5.73175G	-45.02	1

2.4-2.4835GHz_BT-LE(2Mbps)

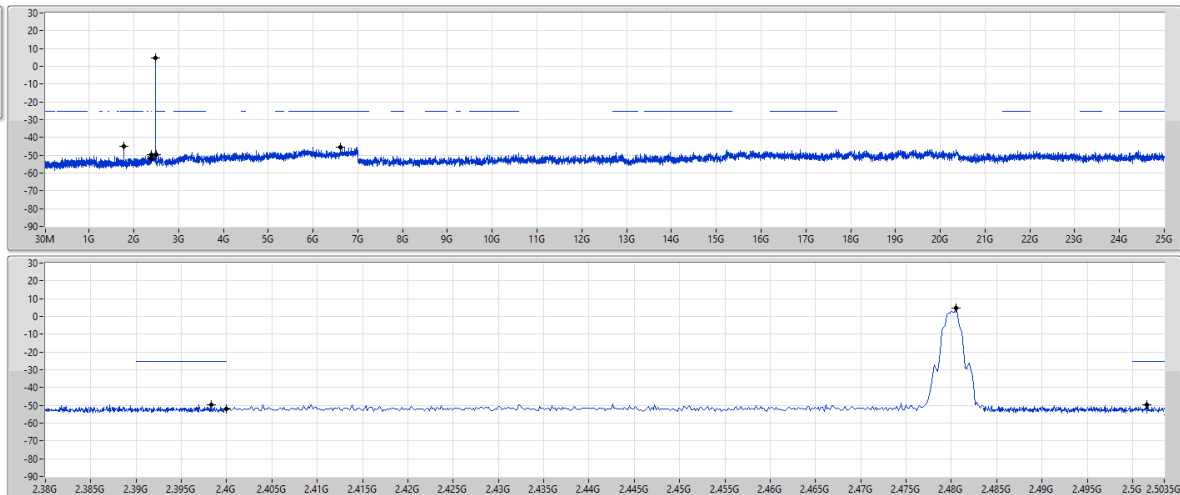
CSEndB-DTS

2480MHz

05/07/2025

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
2.48049G	4.47	-25.53	1.7737G	-45.17	2.39828G	-49.76	2.4G	-51.94	2.50154G	-49.49	6.61474G	-45.44	1



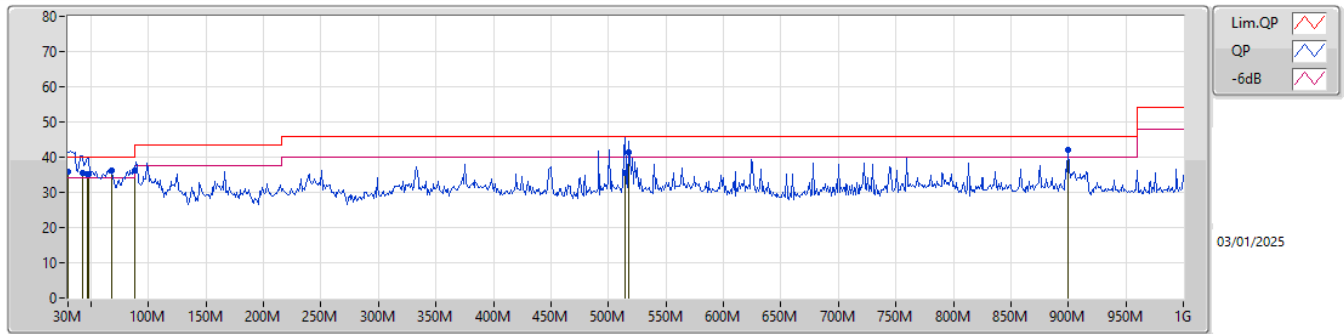
Radiated Emissions below 1GHz

Appendix F.1

Summary

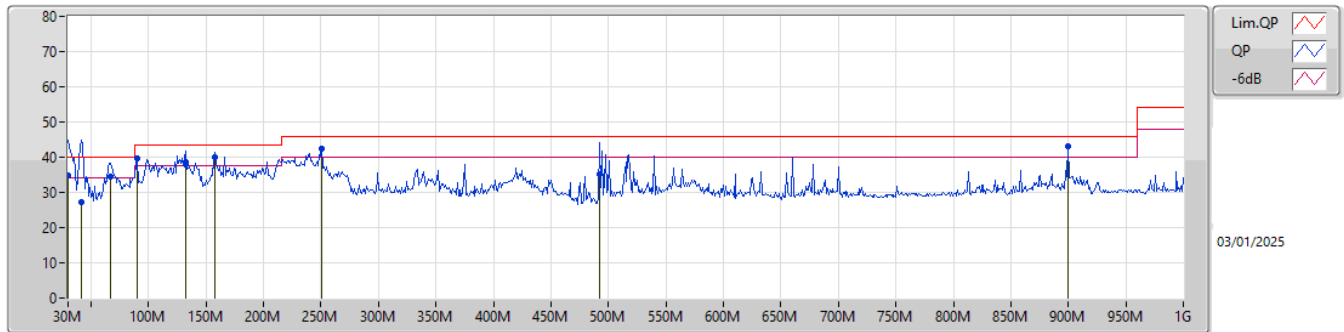
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	QP	900.09M	42.96	46.00	-3.04	Horizontal

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
QP	30M	35.69	40.00	-4.31	-6.74	3	Vertical	207	1.00	-	42.43	23.85	0.46	31.05		
QP	42.61M	35.51	40.00	-4.49	-13.03	3	Vertical	118	3.00	-	48.54	17.05	0.58	30.66		
QP	46.49M	35.09	40.00	-4.91	-14.95	3	Vertical	240	1.00	-	50.04	15.24	0.61	30.80		
QP	48.43M	35.32	40.00	-4.68	-15.77	3	Vertical	240	1.00	-	51.09	14.42	0.63	30.82		
PK	67.83M	36.21	40.00	-3.79	-17.81	3	Vertical	263	3.00	"Worst"	54.02	12.26	0.77	30.84		
PK	88M	36.37	43.50	-7.13	-15.41	3	Vertical	158	1.50	-	51.78	14.51	0.91	30.83		
QP	514.03M	35.64	46.00	-10.36	-5.72	3	Vertical	40	3.00	-	41.36	23.58	2.42	31.72		
QP	517.91M	41.46	46.00	-4.54	-5.66	3	Vertical	40	1.00	-	47.12	23.62	2.43	31.71		
PK	900.09M	42.02	46.00	-3.98	-1.84	3	Vertical	146	1.25	-	43.86	26.74	3.30	31.88		

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
QP	30M	34.76	40.00	-5.24	-6.74	3	Horizontal	125	2.00	-	41.50	23.85	0.46	31.05		
QP	41.64M	27.20	40.00	-12.80	-12.50	3	Horizontal	206	1.25	-	39.70	17.54	0.57	30.61		
QP	66.86M	34.43	40.00	-5.57	-17.88	3	Horizontal	169	3.00	-	52.31	12.25	0.76	30.89		
PK	90.14M	39.51	43.50	-3.99	-14.96	3	Horizontal	191	2.00	-	54.47	14.96	0.92	30.84		
QP	132.82M	38.47	43.50	-5.03	-12.23	3	Horizontal	184	2.00	-	50.70	17.86	1.16	31.25		
QP	132.82M	37.79	43.50	-5.71	-12.23	3	Horizontal	184	2.00	-	50.02	17.86	1.16	31.25		
QP	158.04M	40.03	43.50	-3.47	-13.93	3	Horizontal	322	2.00	-	53.96	16.10	1.26	31.29		
PK	250.19M	42.52	46.00	-3.48	-10.22	3	Horizontal	199	1.25	-	52.74	19.04	1.64	30.90		
QP	492.69M	35.19	46.00	-10.81	-6.04	3	Horizontal	275	2.00	-	41.23	23.29	2.36	31.69		
QP	900.09M	42.96	46.00	-3.04	-1.84	3	Horizontal	196	1.25	"Worst"	44.80	26.74	3.30	31.88		

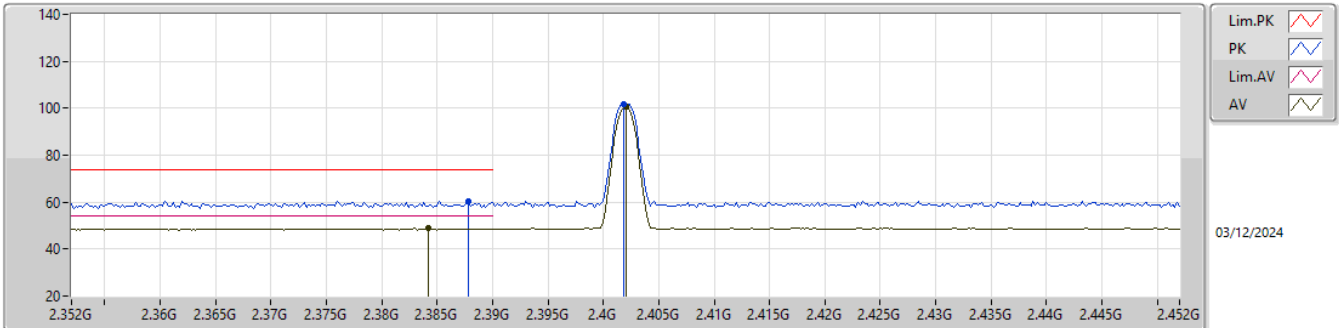


Summary

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	2.4924G	49.38	54.00	-4.62	3	Horizontal	214	2.76	-

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

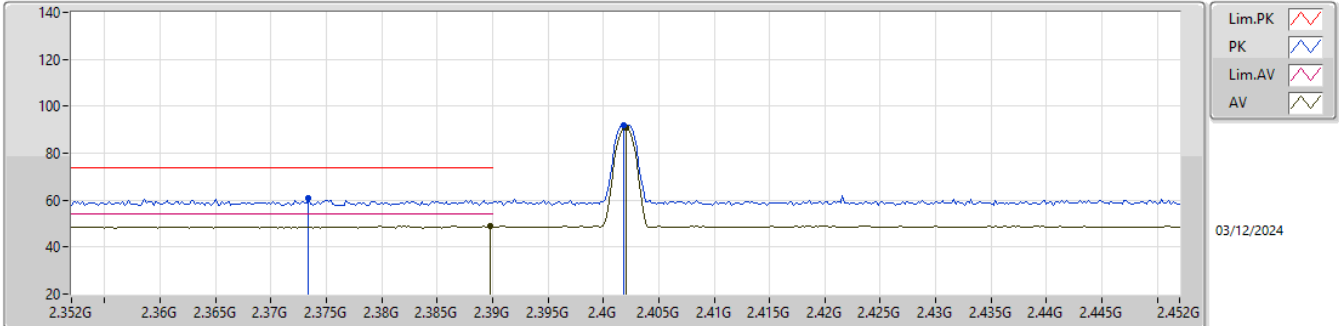


EUT_Y_1TX
Setting Default
02-R-G-5

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	2.3878G	60.29	74.00	-13.71	27.75	3	Vertical	105	1.80	-	28.48	4.06	-			
AV	2.3842G	48.76	54.00	-5.24	16.26	3	Vertical	105	1.80	-	28.44	4.06	-			
PK	2.4018G	101.64	Inf	-Inf	69.09	3	Vertical	105	1.80	-	28.48	4.07	-			
AV	2.402G	100.59	Inf	-Inf	68.04	3	Vertical	105	1.80	-	28.48	4.07	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

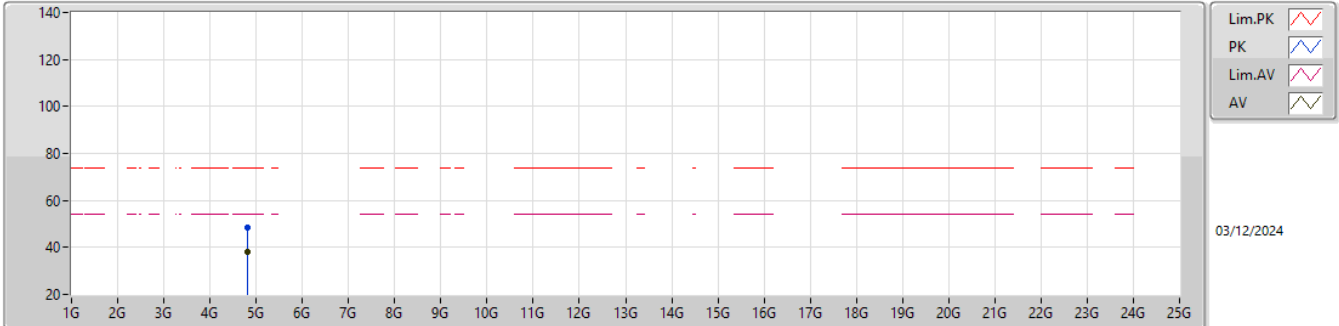


EUT_Y_1TX
Setting Default
02-R-G-5

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	2.3734G	60.76	74.00	-13.24	28.31	3	Horizontal	167	1.80	-	28.40	4.05	-				
AV	2.3898G	48.84	54.00	-5.16	16.28	3	Horizontal	167	1.80	-	28.50	4.06	-				
PK	2.4018G	92.00	Inf	-Inf	59.45	3	Horizontal	167	1.80	-	28.48	4.07	-				
AV	2.402G	91.04	Inf	-Inf	58.49	3	Horizontal	167	1.80	-	28.48	4.07	-				

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

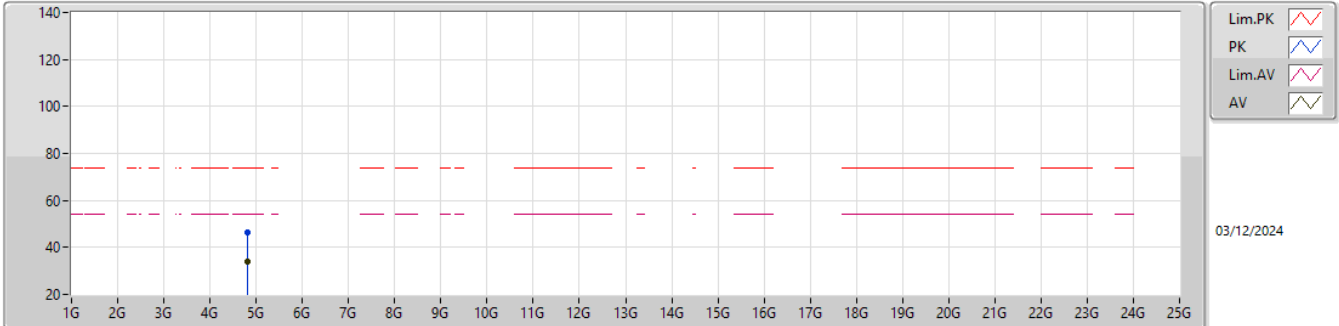


EUT_Y_1TX
Setting Default
02-R-G-5

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	4.8035G	48.31	74.00	-25.69	39.43	3	Vertical	131	2.49	-	33.11	6.77	31.00			
AV	4.804G	37.85	54.00	-16.15	28.97	3	Vertical	131	2.49	-	33.11	6.77	31.00			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

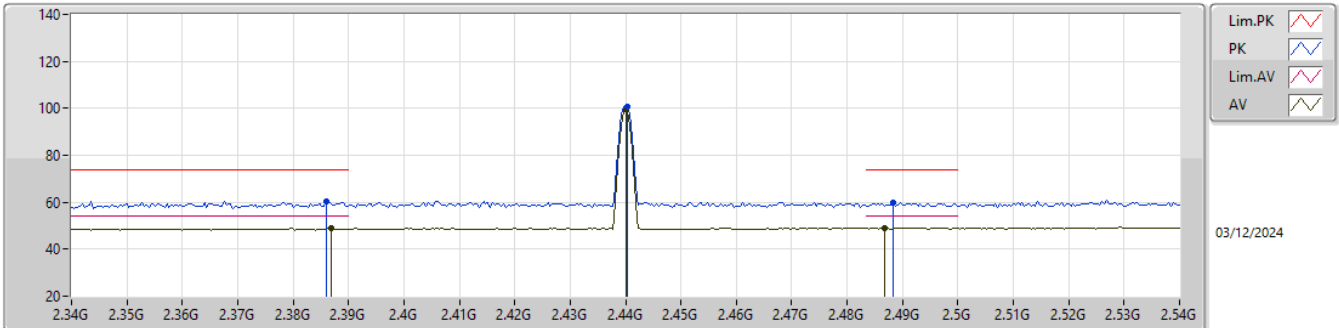


EUT_Y_1TX
Setting Default
02-R-G-5

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	4.80474G	46.57	74.00	-27.43	37.69	3	Horizontal	323	1.80	-	33.11	6.77	31.00			
AV	4.8036G	34.07	54.00	-19.93	25.19	3	Horizontal	323	1.80	-	33.11	6.77	31.00			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

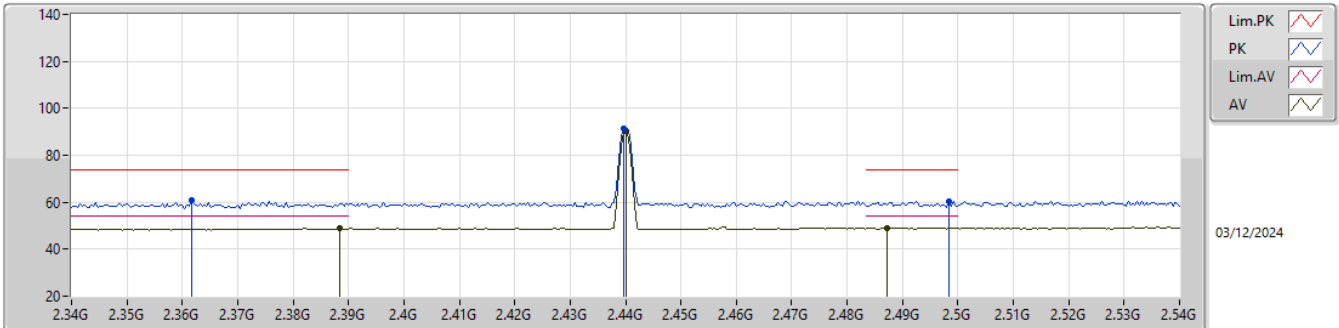


EUT_Y_1TX
Setting Default
02-R-G-5

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	2.386G	60.42	74.00	-13.58	27.90	3	Vertical	97	2.47	-	28.46	4.06	-			
AV	2.3868G	48.80	54.00	-5.20	16.27	3	Vertical	97	2.47	-	28.47	4.06	-			
PK	2.4404G	100.69	Inf	-Inf	68.09	3	Vertical	97	2.47	-	28.50	4.10	-			
AV	2.44G	99.60	Inf	-Inf	67.00	3	Vertical	97	2.47	-	28.50	4.10	-			
PK	2.4884G	59.78	74.00	-14.22	27.04	3	Vertical	97	2.47	-	28.60	4.14	-			
AV	2.4868G	49.10	54.00	-4.90	16.36	3	Vertical	97	2.47	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

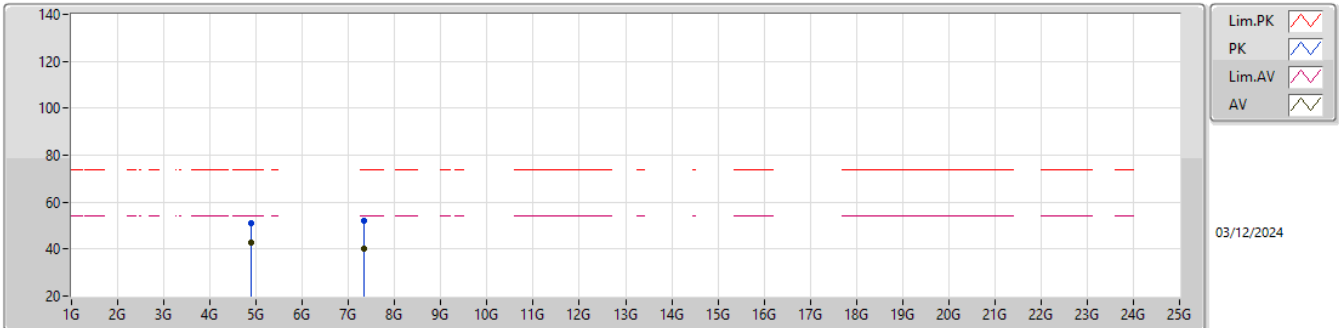


EUT_Y_1TX
Setting Default
02-R-G-5

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	2.3616G	60.93	74.00	-13.07	28.49	3	Horizontal	166	1.99	-	28.40	4.04	-			
AV	2.3884G	48.81	54.00	-5.19	16.27	3	Horizontal	166	1.99	-	28.48	4.06	-			
PK	2.4396G	91.25	Inf	-Inf	58.65	3	Horizontal	166	1.99	-	28.50	4.10	-			
AV	2.44G	90.11	Inf	-Inf	57.51	3	Horizontal	166	1.99	-	28.50	4.10	-			
PK	2.4984G	60.58	74.00	-13.42	27.84	3	Horizontal	166	1.99	-	28.60	4.14	-			
AV	2.4872G	49.10	54.00	-4.90	16.36	3	Horizontal	166	1.99	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

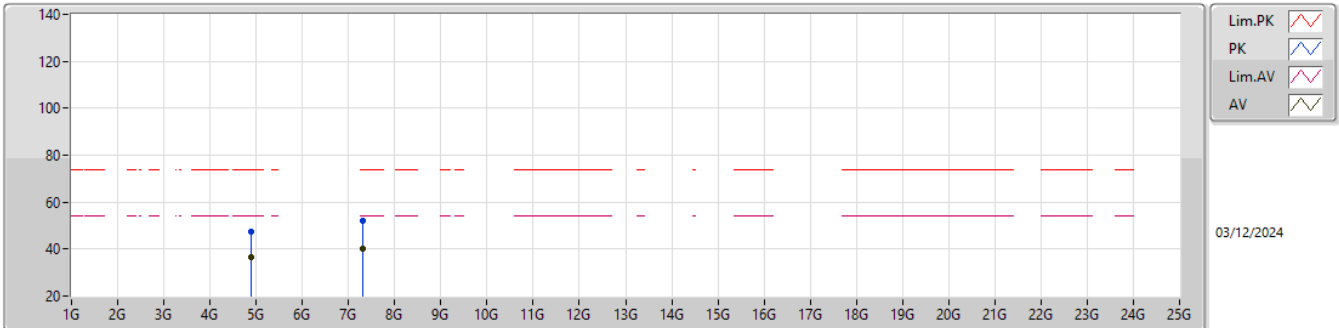


EUT_Y_1TX
Setting Default
02-R-G-5

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	4.88046G	50.85	74.00	-23.15	41.78	3	Vertical	130	2.42	-	33.26	6.81	31.00			
AV	4.87998G	42.99	54.00	-11.01	33.92	3	Vertical	130	2.42	-	33.26	6.81	31.00			
PK	7.32402G	51.84	74.00	-22.16	37.40	3	Vertical	127	1.50	-	36.50	9.37	31.43			
AV	7.32448G	40.21	54.00	-13.79	25.77	3	Vertical	127	1.50	-	36.50	9.37	31.43			

2.4-2.4835GHz_BT-LE(1Mbps)

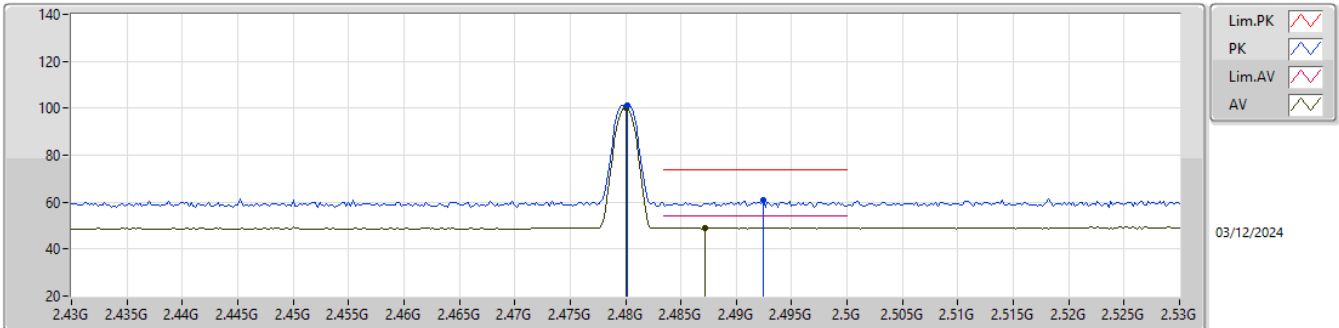
2440MHz_TX


EUT_Y_1TX
Setting Default
02-R-G-5

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	4.8796G	47.60	74.00	-26.40	38.53	3	Horizontal	121	2.61	-	33.26	6.81	31.00			
AV	4.87986G	36.63	54.00	-17.37	27.56	3	Horizontal	121	2.61	-	33.26	6.81	31.00			
PK	7.32042G	51.87	74.00	-22.13	37.45	3	Horizontal	133	1.43	-	36.48	9.37	31.43			
AV	7.319G	40.32	54.00	-13.68	25.90	3	Horizontal	133	1.43	-	36.48	9.37	31.43			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

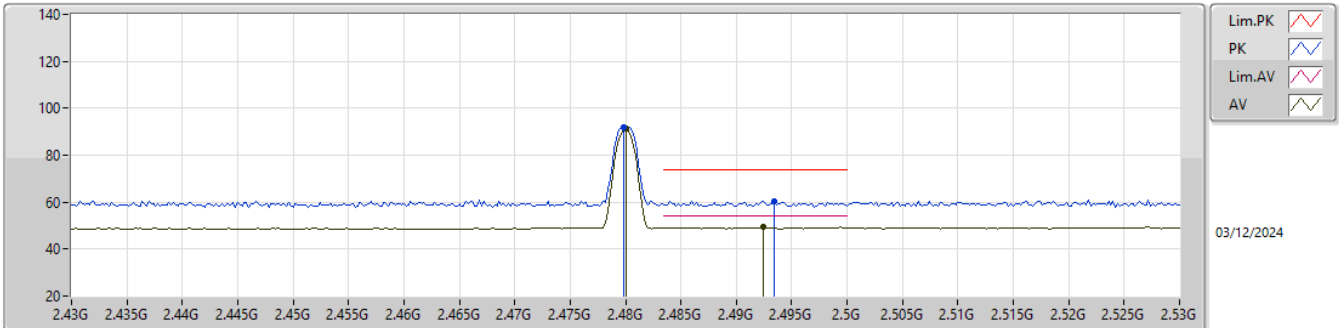


EUT_Y_1TX
Setting Default
02-R-G-5

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	2.4802G	101.30	Inf	-Inf	68.57	3	Vertical	12	1.95	-	28.60	4.13	-			
AV	2.48G	100.36	Inf	-Inf	67.63	3	Vertical	12	1.95	-	28.60	4.13	-			
PK	2.4924G	60.88	74.00	-13.12	28.14	3	Vertical	12	1.95	-	28.60	4.14	-			
AV	2.4872G	49.10	54.00	-4.90	16.36	3	Vertical	12	1.95	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

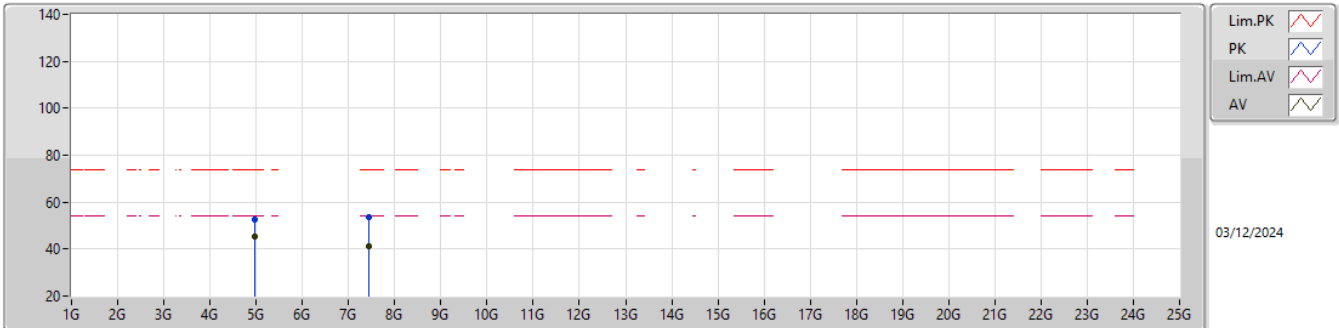


EUT_Y_1TX
Setting Default
02-R-G-5

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	2.4798G	92.15	Inf	-Inf	59.42	3	Horizontal	214	2.76	-	28.60	4.13	-			
AV	2.48G	91.14	Inf	-Inf	58.41	3	Horizontal	214	2.76	-	28.60	4.13	-			
PK	2.4934G	60.58	74.00	-13.42	27.84	3	Horizontal	214	2.76	-	28.60	4.14	-			
AV	2.4924G	49.38	54.00	-4.62	16.64	3	Horizontal	214	2.76	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

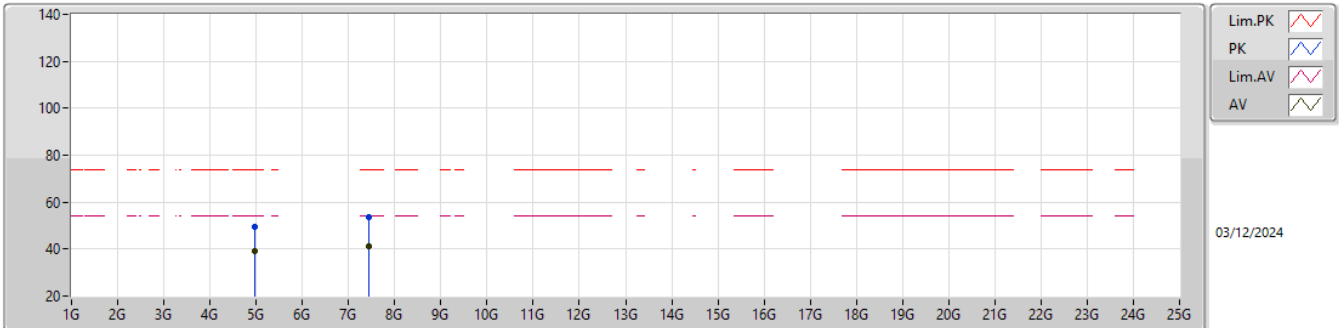


EUT_Y_1TX
Setting Default
02-R-G-5

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	4.96016G	52.63	74.00	-21.37	43.38	3	Vertical	126	2.92	-	33.40	6.86	31.01			
AV	4.95988G	45.48	54.00	-8.52	36.23	3	Vertical	126	2.92	-	33.40	6.86	31.01			
PK	7.44396G	53.40	74.00	-20.60	38.88	3	Vertical	80	1.80	-	36.60	9.35	31.43			
AV	7.4484G	41.16	54.00	-12.84	26.64	3	Vertical	80	1.80	-	36.60	9.35	31.43			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

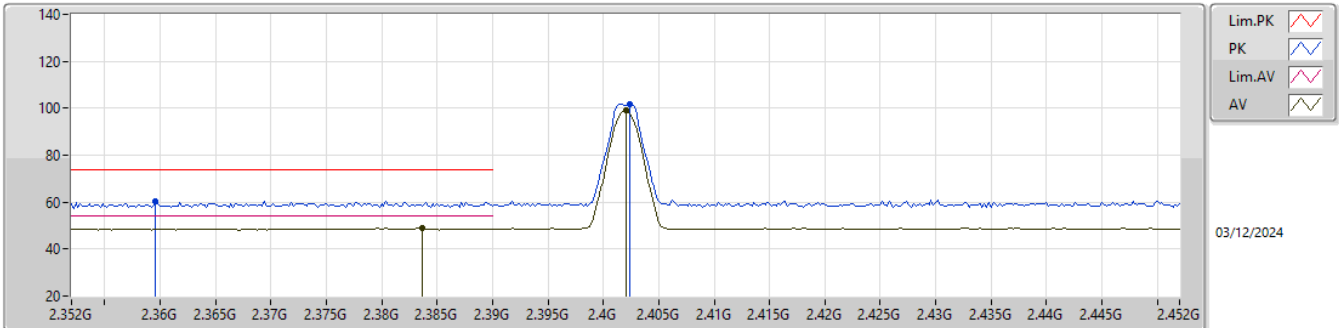


EUT_Y_1TX
Setting Default
02-R-G-5

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	4.96032G	49.63	74.00	-24.37	40.38	3	Horizontal	107	2.27	-	33.40	6.86	31.01			
AV	4.95996G	39.04	54.00	-14.96	29.79	3	Horizontal	107	2.27	-	33.40	6.86	31.01			
PK	7.44376G	53.47	74.00	-20.53	38.95	3	Horizontal	316	1.95	-	36.60	9.35	31.43			
AV	7.4334G	41.38	54.00	-12.62	26.85	3	Horizontal	316	1.95	-	36.60	9.36	31.43			

2.4-2.4835GHz_BT-LE(2Mbps)

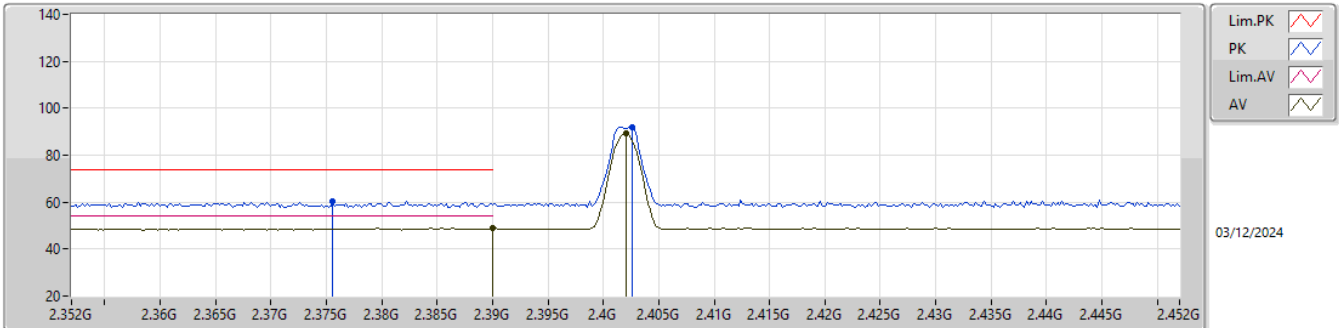
2402MHz_TX


EUT_Y_1TX
Setting Default
02-R-G-5

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	2.3596G	60.57	74.00	-13.43	28.13	3	Vertical	105	1.89	-	28.40	4.04	-			
AV	2.3836G	48.76	54.00	-5.24	16.26	3	Vertical	105	1.89	-	28.44	4.06	-			
PK	2.4024G	101.63	Inf	-Inf	69.08	3	Vertical	105	1.89	-	28.48	4.07	-			
AV	2.402G	99.05	Inf	-Inf	66.50	3	Vertical	105	1.89	-	28.48	4.07	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

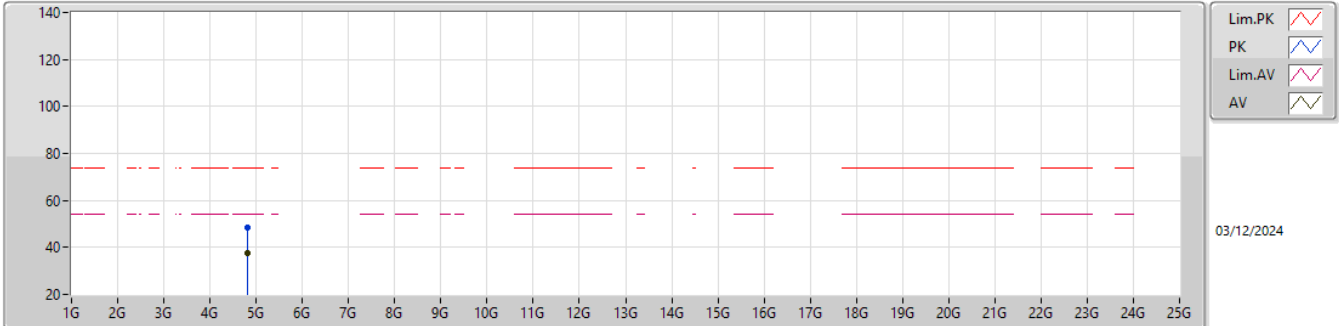


EUT_Y_1TX
Setting Default
02-R-G-5

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	2.3756G	60.17	74.00	-13.83	27.72	3	Horizontal	168	1.81	-	28.40	4.05	-				
AV	2.39G	48.84	54.00	-5.16	16.28	3	Horizontal	168	1.81	-	28.50	4.06	-				
PK	2.4026G	91.93	Inf	-Inf	59.39	3	Horizontal	168	1.81	-	28.47	4.07	-				
AV	2.402G	89.31	Inf	-Inf	56.76	3	Horizontal	168	1.81	-	28.48	4.07	-				

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

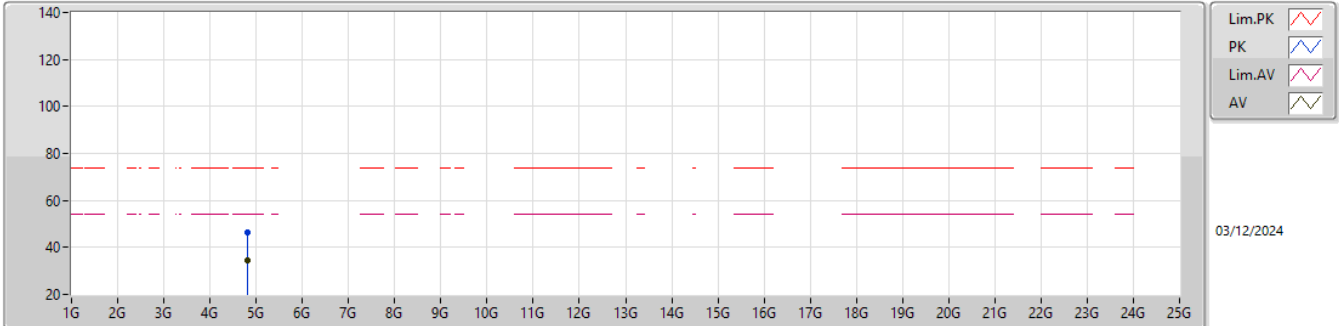


EUT_Y_1TX
Setting Default
02-R-G-5

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	4.80326G	48.34	74.00	-25.66	39.46	3	Vertical	132	2.47	-	33.11	6.77	31.00			
AV	4.8031G	37.51	54.00	-16.49	28.63	3	Vertical	132	2.47	-	33.11	6.77	31.00			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

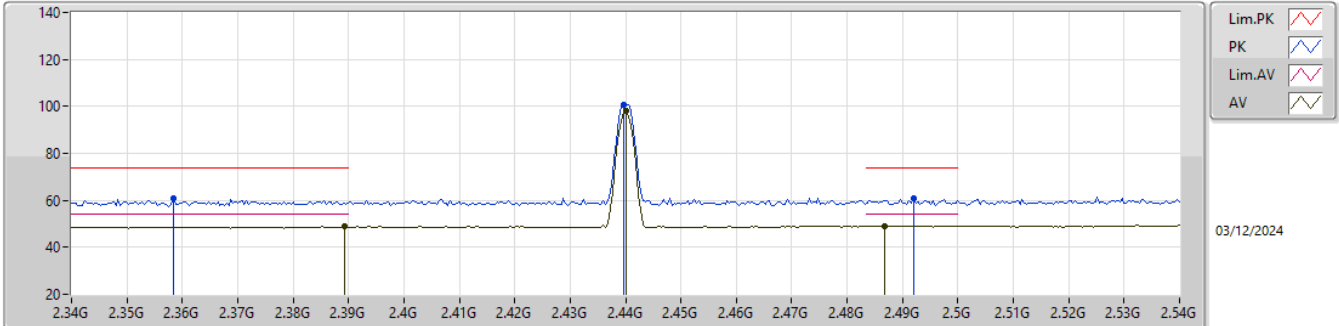


EUT_Y_1TX
Setting Default
02-R-G-5

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	4.80838G	46.57	74.00	-27.43	37.68	3	Horizontal	130	2.68	-	33.12	6.77	31.00			
AV	4.80632G	34.70	54.00	-19.30	25.82	3	Horizontal	130	2.68	-	33.11	6.77	31.00			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

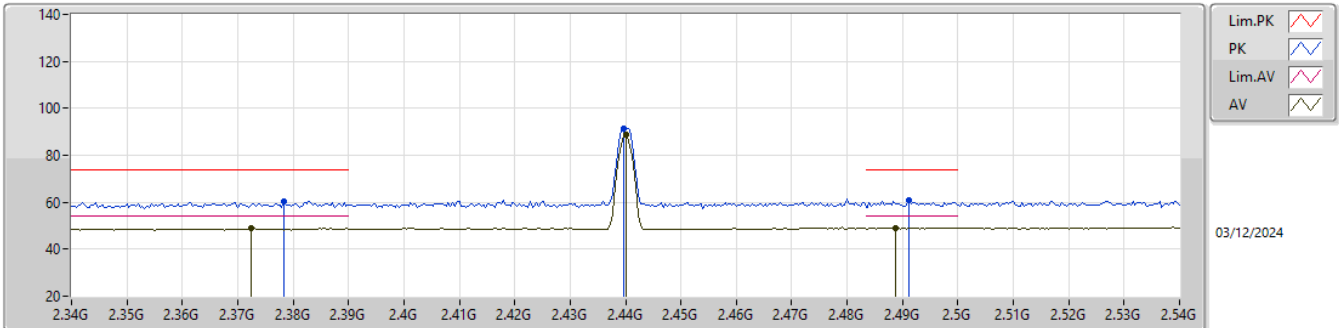


EUT_Y_1TX
Setting Default
02-R-G-5

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	2.3584G	60.62	74.00	-13.38	28.20	3	Vertical	94	2.01	-	28.38	4.04	-			
AV	2.3892G	48.83	54.00	-5.17	16.28	3	Vertical	94	2.01	-	28.49	4.06	-			
PK	2.4396G	100.61	Inf	-Inf	68.01	3	Vertical	94	2.01	-	28.50	4.10	-			
AV	2.44G	98.04	Inf	-Inf	65.44	3	Vertical	94	2.01	-	28.50	4.10	-			
PK	2.492G	60.66	74.00	-13.34	27.92	3	Vertical	94	2.01	-	28.60	4.14	-			
AV	2.4868G	49.10	54.00	-4.90	16.36	3	Vertical	94	2.01	-	28.60	4.14	-			
PK	2.3584G	60.62	74.00	-13.38	28.20	3	Vertical	94	2.01	-	28.38	4.04	-			
PK	2.492G	60.66	74.00	-13.34	27.92	3	Vertical	94	2.01	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

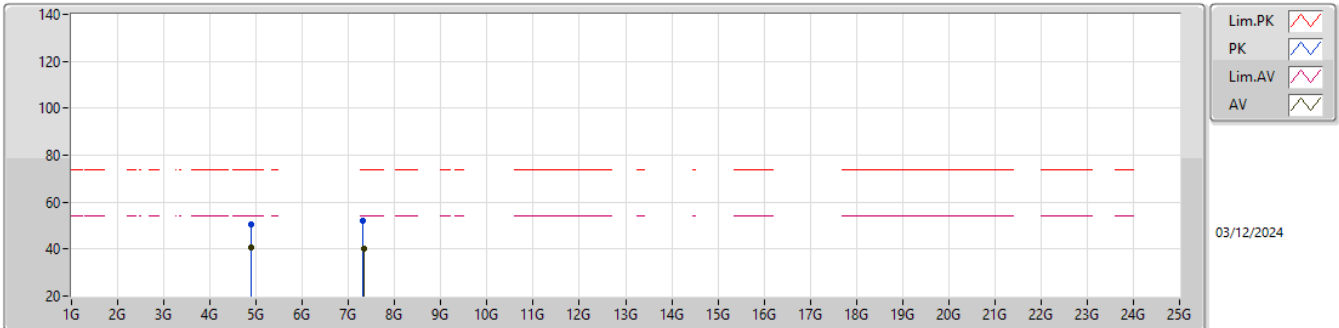


EUT_Y_1TX
Setting Default
02-R-G-5

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	2.3784G	60.26	74.00	-13.74	27.81	3	Horizontal	166	2.00	-	28.40	4.05	-			
AV	2.3724G	48.97	54.00	-5.03	16.52	3	Horizontal	166	2.00	-	28.40	4.05	-			
PK	2.4396G	91.30	Inf	-Inf	58.70	3	Horizontal	166	2.00	-	28.50	4.10	-			
AV	2.44G	88.68	Inf	-Inf	56.08	3	Horizontal	166	2.00	-	28.50	4.10	-			
PK	2.4912G	60.73	74.00	-13.27	27.99	3	Horizontal	166	2.00	-	28.60	4.14	-			
AV	2.4888G	49.10	54.00	-4.90	16.36	3	Horizontal	166	2.00	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

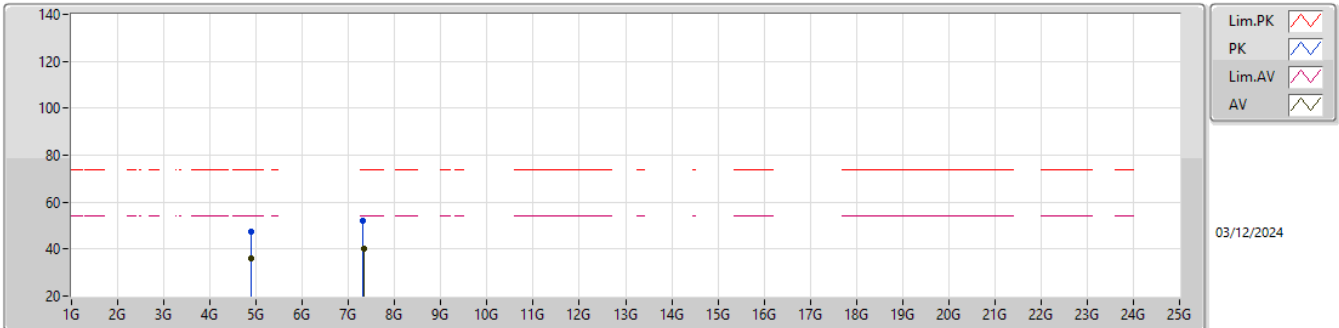


EUT_Y_1TX
Setting Default
02-R-G-5

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	4.87912G	50.74	74.00	-23.26	41.67	3	Vertical	131	2.44	-	33.26	6.81	31.00			
AV	4.88086G	40.82	54.00	-13.18	31.75	3	Vertical	131	2.44	-	33.26	6.81	31.00			
PK	7.3214G	52.17	74.00	-21.83	37.74	3	Vertical	36	2.84	-	36.49	9.37	31.43			
AV	7.3235G	40.27	54.00	-13.73	25.84	3	Vertical	36	2.84	-	36.49	9.37	31.43			

2.4-2.4835GHz_BT-LE(2Mbps)

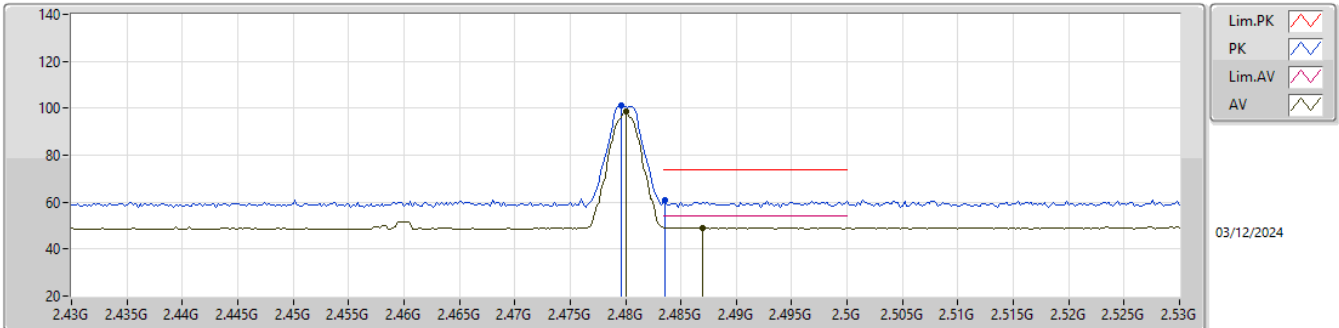
2440MHz_TX


EUT_Y_1TX
Setting Default
02-R-G-5

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	4.88058G	47.17	74.00	-26.83	38.10	3	Horizontal	123	2.69	-	33.26	6.81	31.00			
AV	4.88092G	35.90	54.00	-18.10	26.83	3	Horizontal	123	2.69	-	33.26	6.81	31.00			
PK	7.31608G	52.05	74.00	-21.95	37.65	3	Horizontal	278	1.38	-	36.46	9.37	31.43			
AV	7.32232G	40.26	54.00	-13.74	25.83	3	Horizontal	278	1.38	-	36.49	9.37	31.43			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

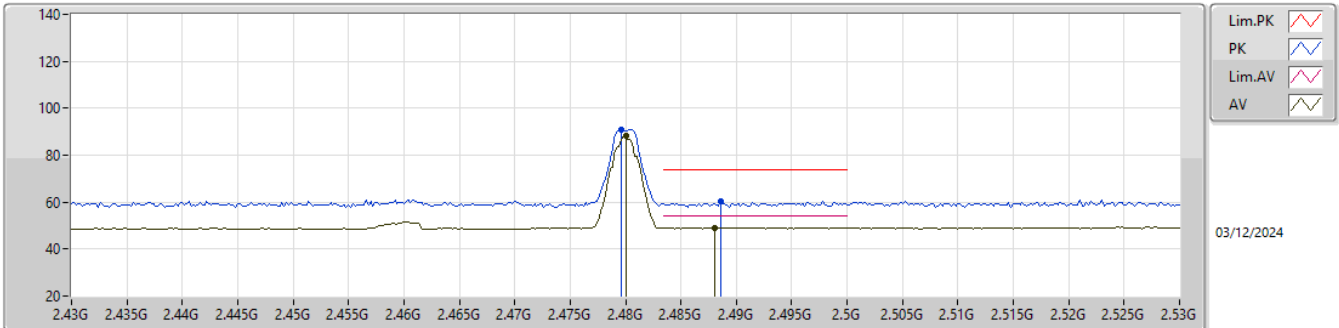


EUT_Y_1TX
Setting Default
02-R-G-5

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	2.4796G	100.96	Inf	-Inf	68.23	3	Vertical	107	2.65	-	28.60	4.13	-			
AV	2.48G	98.43	Inf	-Inf	65.70	3	Vertical	107	2.65	-	28.60	4.13	-			
PK	2.4836G	61.02	74.00	-12.98	28.29	3	Vertical	107	2.65	-	28.60	4.13	-			
AV	2.487G	49.10	54.00	-4.90	16.36	3	Vertical	107	2.65	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

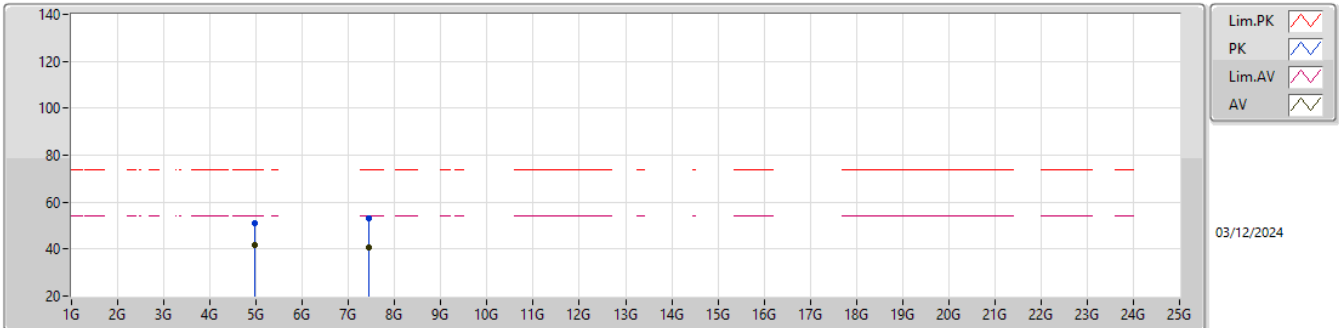


EUT_Y_1TX
Setting Default
02-R-G-5

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	2.4796G	90.93	Inf	-Inf	58.20	3	Horizontal	88	2.82	-	28.60	4.13	-			
AV	2.48G	88.28	Inf	-Inf	55.55	3	Horizontal	88	2.82	-	28.60	4.13	-			
PK	2.4886G	60.50	74.00	-13.50	27.76	3	Horizontal	88	2.82	-	28.60	4.14	-			
AV	2.488G	49.10	54.00	-4.90	16.36	3	Horizontal	88	2.82	-	28.60	4.14	-			

2.4-2.4835GHz_BT-LE(2Mbps)

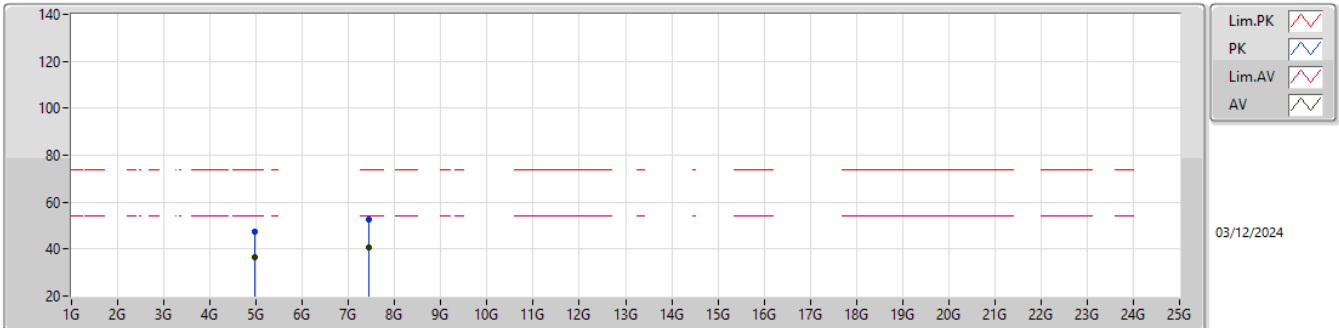
2480MHz_TX


EUT_Y_1TX
Setting Default
02-R-G-5

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	4.95908G	51.20	74.00	-22.80	41.95	3	Vertical	79	2.74	-	33.40	6.86	31.01			
AV	4.95898G	41.90	54.00	-12.10	32.65	3	Vertical	79	2.74	-	33.40	6.86	31.01			
PK	7.43602G	53.11	74.00	-20.89	38.58	3	Vertical	73	2.02	-	36.60	9.36	31.43			
AV	7.43826G	40.71	54.00	-13.29	26.18	3	Vertical	73	2.02	-	36.60	9.36	31.43			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



EUT_Y_1TX
Setting Default
02-R-G-5

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	4.96112G	47.64	74.00	-26.36	38.39	3	Horizontal	119	1.86	-	33.40	6.86	31.01			
AV	4.95896G	36.59	54.00	-17.41	27.34	3	Horizontal	119	1.86	-	33.40	6.86	31.01			
PK	7.44486G	52.34	74.00	-21.66	37.82	3	Horizontal	44	1.67	-	36.60	9.35	31.43			
AV	7.44332G	40.70	54.00	-13.30	26.18	3	Horizontal	44	1.67	-	36.60	9.35	31.43			

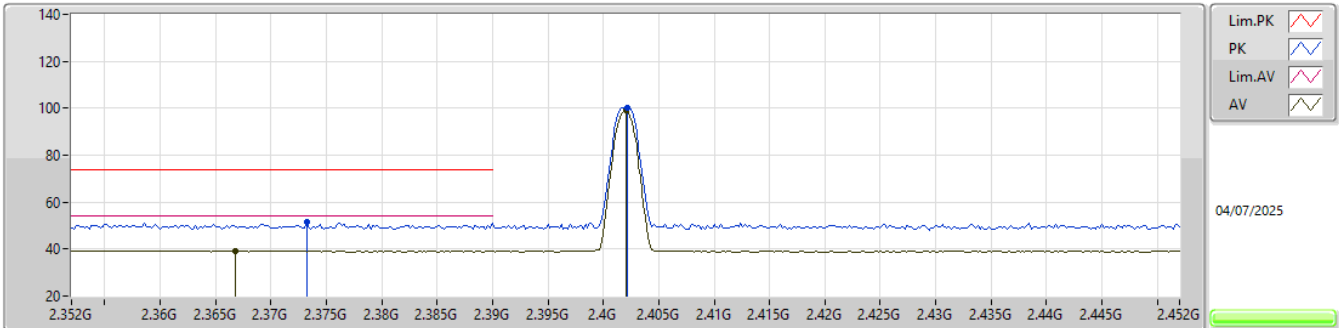


Summary

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	4.95994G	41.44	54.00	-12.56	3	Vertical	257	2.19	-

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

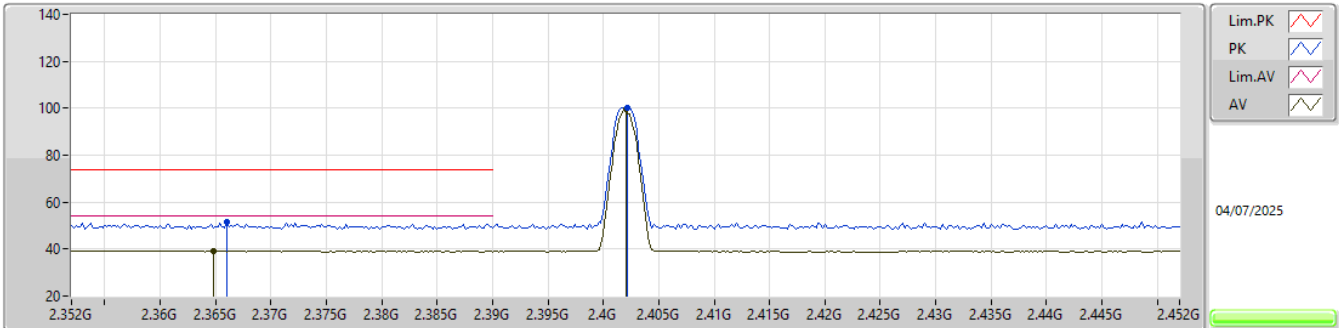


EUT_Z_1TX
Setting Default
06-H-V-1-10

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	2.3732G	51.61	74.00	-22.39	52.37	3	Vertical	15	2.31	-	27.67	4.61	33.04				
AV	2.3668G	39.34	54.00	-14.66	40.03	3	Vertical	15	2.31	-	27.73	4.61	33.03				
PK	2.4022G	100.21	Inf	-Inf	101.03	3	Vertical	15	2.31	-	27.60	4.63	33.05				
AV	2.402G	99.20	Inf	-Inf	100.02	3	Vertical	15	2.31	-	27.60	4.63	33.05				

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

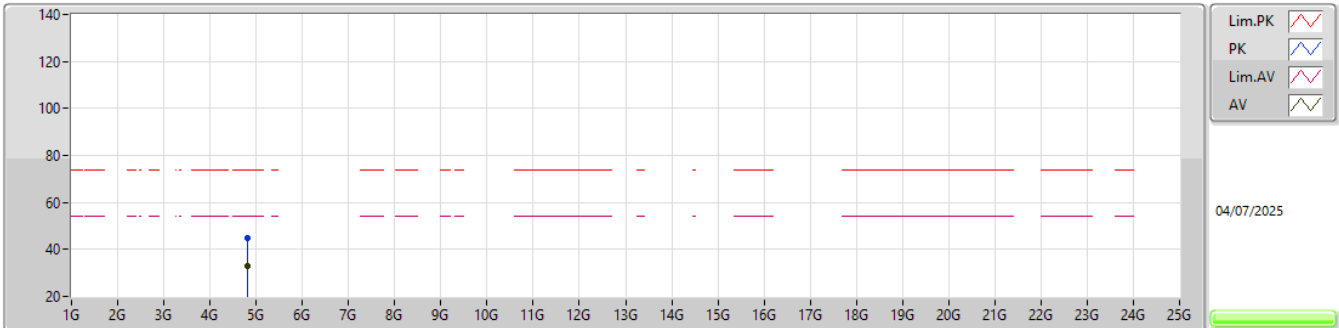


EUT_Z_1TX
Setting Default
06-H-V-1-10

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	2.366G	51.49	74.00	-22.51	52.17	3	Horizontal	236	1.75	-	27.74	4.61	33.03				
AV	2.3648G	39.37	54.00	-14.63	40.04	3	Horizontal	236	1.75	-	27.75	4.61	33.03				
PK	2.4022G	100.38	Inf	-Inf	101.20	3	Horizontal	236	1.75	-	27.60	4.63	33.05				
AV	2.402G	99.43	Inf	-Inf	100.25	3	Horizontal	236	1.75	-	27.60	4.63	33.05				

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

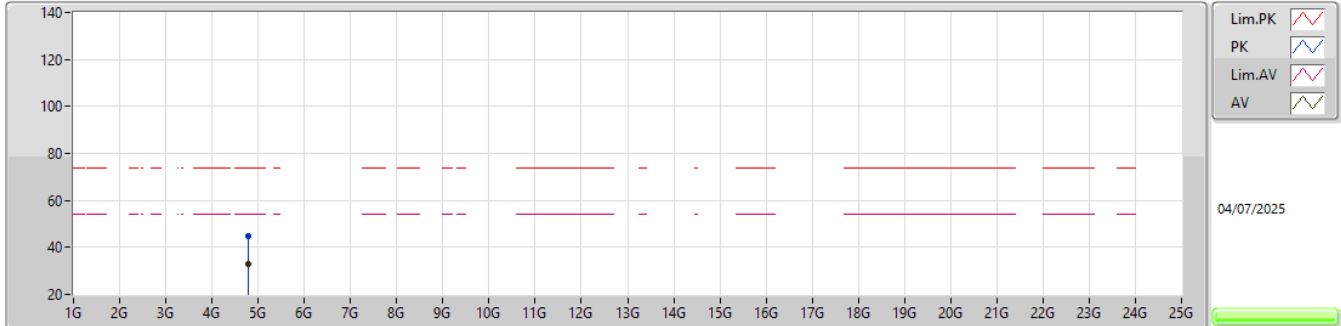


EUT_Z_1TX
Setting Default
06-H-V-1

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	4.79884G	45.04	74.00	-28.96	41.04	3	Vertical	123	2.81	-	31.40	6.55	33.95			
AV	4.8046G	33.02	54.00	-20.98	29.03	3	Vertical	123	2.81	-	31.39	6.55	33.95			

2.4-2.4835GHz_BT-LE(1Mbps)

2402MHz_TX

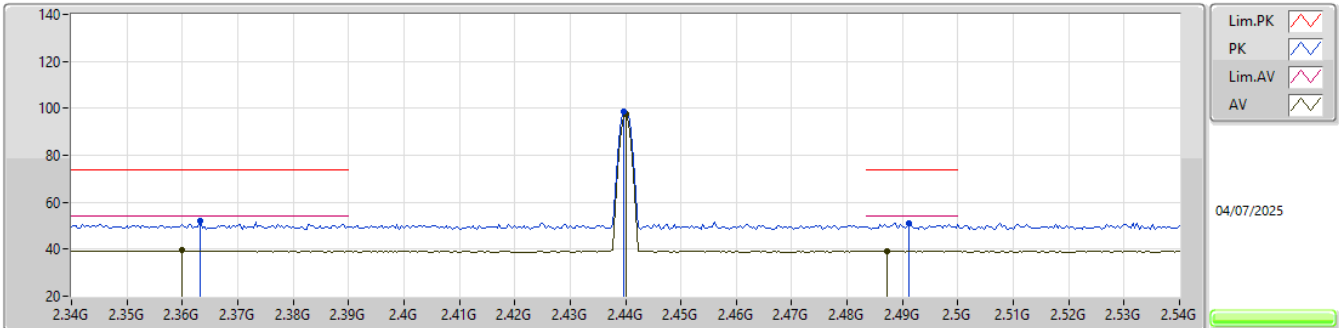


EUT_Z_1TX
Setting Default
06-H-V-1

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	4.78918G	45.05	74.00	-28.95	41.08	3	Horizontal	230	2.04	-	31.38	6.54	33.95				
AV	4.79356G	32.86	54.00	-21.14	28.87	3	Horizontal	230	2.04	-	31.39	6.55	33.95				

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

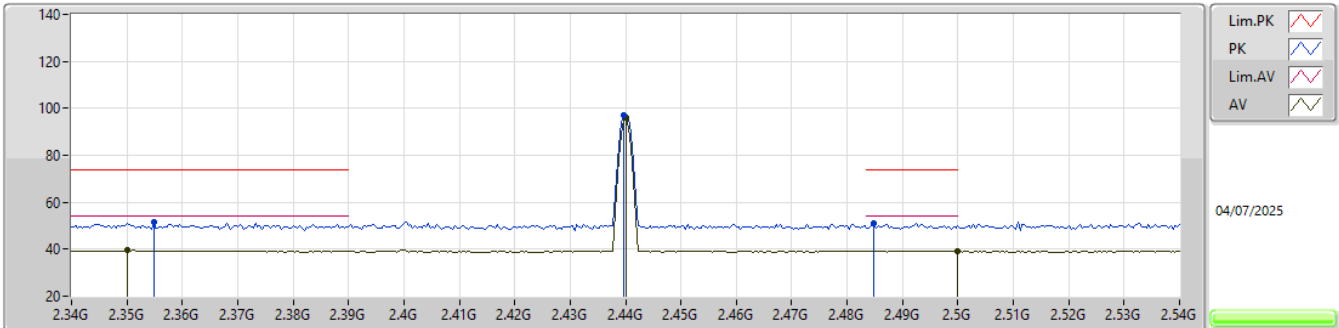


EUT_Z_1TX
Setting Default
06-H-V-1-10

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	2.3632G	51.93	74.00	-22.07	52.58	3	Vertical	27	2.04	-	27.77	4.61	33.03			
AV	2.36G	39.44	54.00	-14.56	40.07	3	Vertical	27	2.04	-	27.80	4.60	33.03			
PK	2.4396G	98.41	Inf	-Inf	99.38	3	Vertical	27	2.04	-	27.40	4.70	33.07			
AV	2.44G	97.48	Inf	-Inf	98.46	3	Vertical	27	2.04	-	27.40	4.70	33.08			
PK	2.4912G	51.05	74.00	-22.95	51.87	3	Vertical	27	2.04	-	27.49	4.79	33.10			
AV	2.4872G	39.33	54.00	-14.67	40.18	3	Vertical	27	2.04	-	27.47	4.78	33.10			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

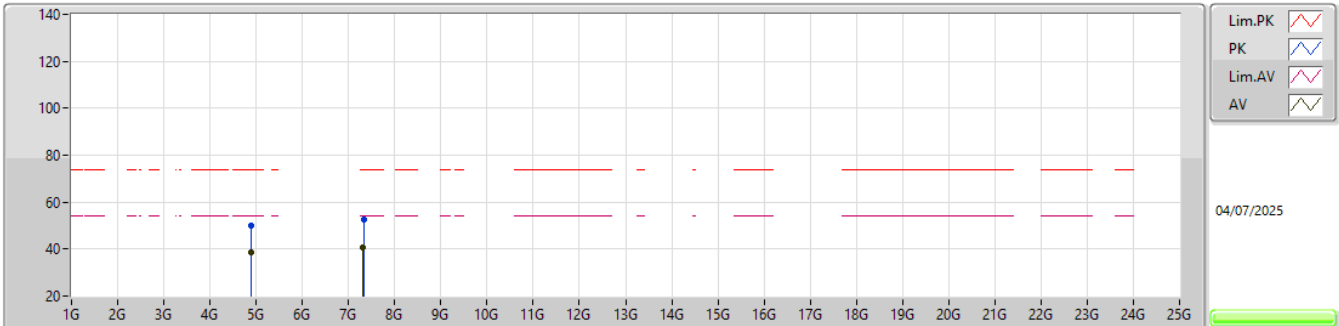


EUT_Z_1TX
Setting Default
06-H-V-1-10

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	2.3548G	51.38	74.00	-22.62	52.01	3	Horizontal	220	1.80	-	27.80	4.60	33.03			
AV	2.35G	39.50	54.00	-14.50	40.12	3	Horizontal	220	1.80	-	27.80	4.60	33.02			
PK	2.4396G	96.85	Inf	-Inf	97.82	3	Horizontal	220	1.80	-	27.40	4.70	33.07			
AV	2.44G	95.91	Inf	-Inf	96.89	3	Horizontal	220	1.80	-	27.40	4.70	33.08			
PK	2.4848G	51.06	74.00	-22.94	51.94	3	Horizontal	220	1.80	-	27.45	4.77	33.10			
AV	2.5G	39.39	54.00	-14.61	40.30	3	Horizontal	220	1.80	-	27.40	4.80	33.11			

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

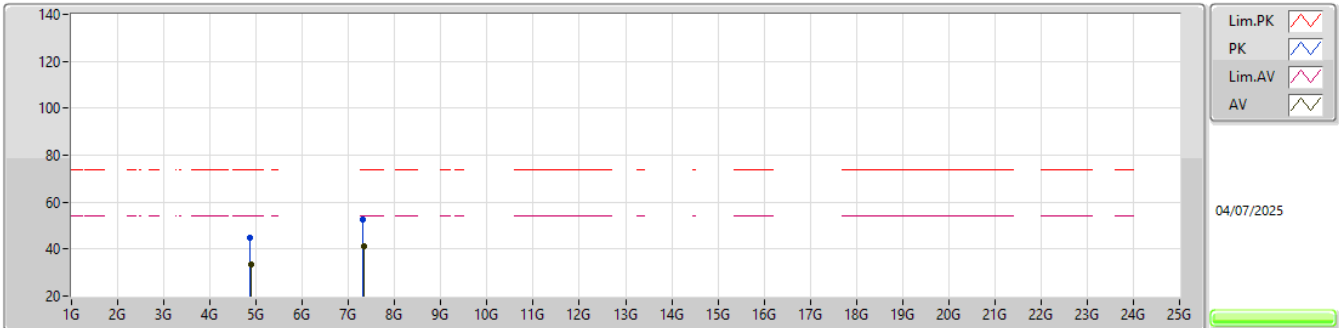


EUT_Z_1TX
Setting Default
06-H-V-1

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	4.87982G	49.91	74.00	-24.09	46.03	3	Vertical	240	2.28	-	31.30	6.55	33.97				
AV	4.88294G	38.65	54.00	-15.35	34.77	3	Vertical	240	2.28	-	31.30	6.55	33.97				
PK	7.32408G	52.56	74.00	-21.44	41.56	3	Vertical	130	1.51	-	36.60	8.59	34.19				
AV	7.3104G	40.90	54.00	-13.10	29.92	3	Vertical	130	1.51	-	36.60	8.57	34.19				

2.4-2.4835GHz_BT-LE(1Mbps)

2440MHz_TX

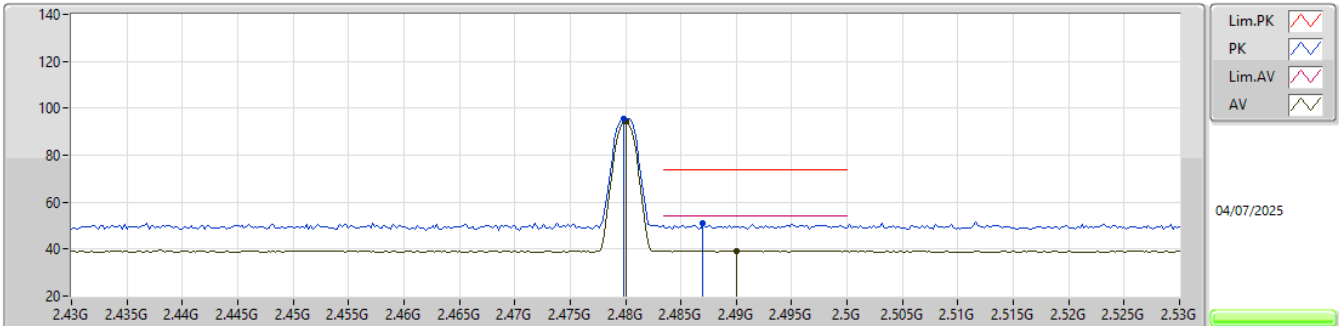


EUT_Z_1TX
Setting Default
06-H-V-1

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	4.8758G	44.64	74.00	-29.36	40.76	3	Horizontal	134	1.77	-	31.30	6.55	33.97				
AV	4.88006G	33.43	54.00	-20.57	29.55	3	Horizontal	134	1.77	-	31.30	6.55	33.97				
PK	7.31118G	52.58	74.00	-21.42	41.60	3	Horizontal	346	2.45	-	36.60	8.57	34.19				
AV	7.33044G	40.95	54.00	-13.05	29.95	3	Horizontal	346	2.45	-	36.60	8.59	34.19				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

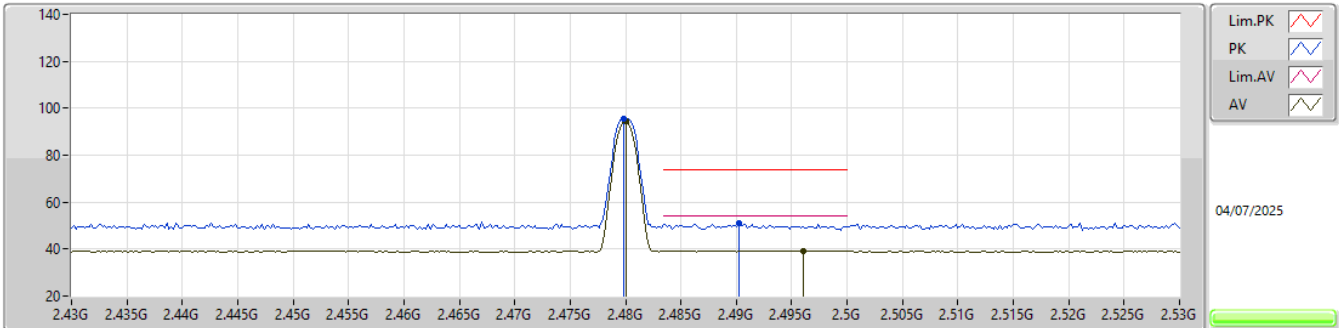


EUT_Z_1TX
Setting Default
06-H-V-1-10

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	2.4798G	95.52	Inf	-Inf	96.45	3	Vertical	27	2.18	-	27.40	4.77	33.10				
AV	2.48G	94.55	Inf	-Inf	95.48	3	Vertical	27	2.18	-	27.40	4.77	33.10				
PK	2.487G	50.81	74.00	-23.19	51.66	3	Vertical	27	2.18	-	27.47	4.78	33.10				
AV	2.49G	39.18	54.00	-14.82	40.00	3	Vertical	27	2.18	-	27.50	4.78	33.10				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

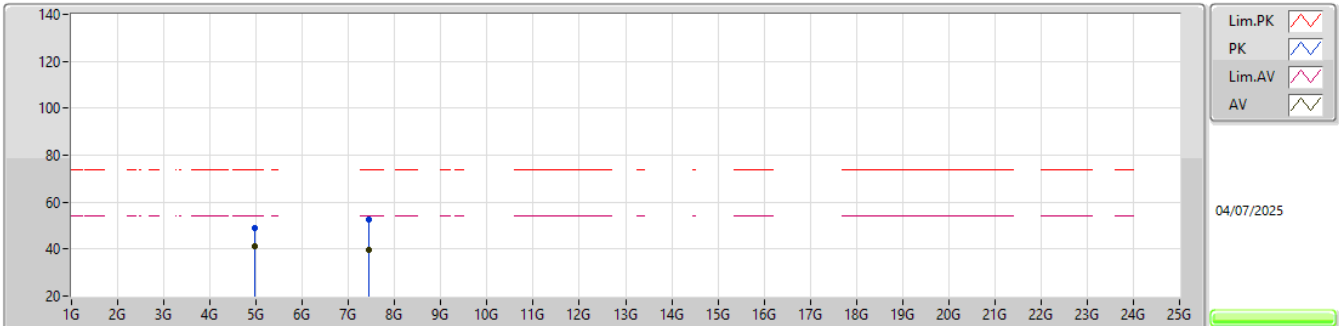


EUT_Z_1TX
Setting Default
06-H-V-1-10

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	2.4798G	95.38	Inf	-Inf	96.31	3	Horizontal	238	2.03	-	27.40	4.77	33.10				
AV	2.48G	94.42	Inf	-Inf	95.35	3	Horizontal	238	2.03	-	27.40	4.77	33.10				
PK	2.4902G	51.18	74.00	-22.82	52.00	3	Horizontal	238	2.03	-	27.50	4.78	33.10				
AV	2.496G	39.27	54.00	-14.73	40.15	3	Horizontal	238	2.03	-	27.44	4.79	33.11				

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

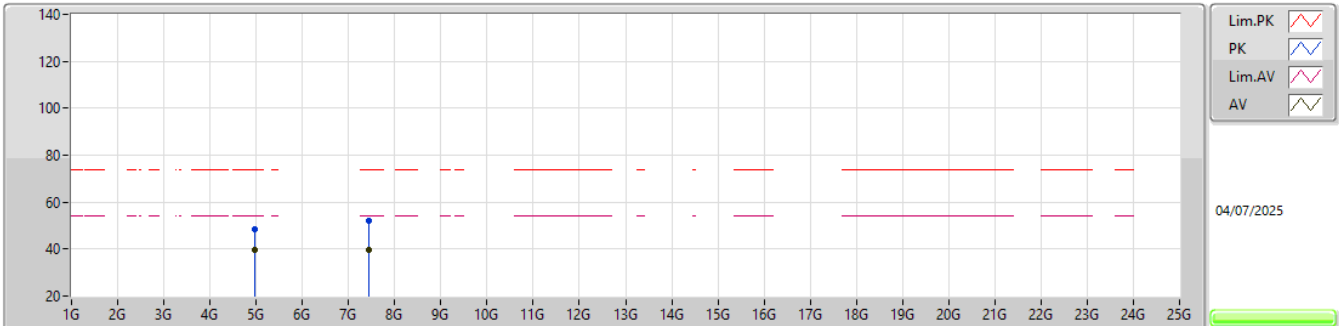


EUT_Z_1TX
Setting Default
06-H-V-1

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	4.96054G	49.11	74.00	-24.89	45.01	3	Vertical	257	2.19	-	31.52	6.56	33.98			
AV	4.95994G	41.44	54.00	-12.56	37.34	3	Vertical	257	2.19	-	31.52	6.56	33.98			
PK	7.44126G	52.69	74.00	-21.31	41.69	3	Vertical	237	2.33	-	36.48	8.71	34.19			
AV	7.44228G	39.79	54.00	-14.21	28.79	3	Vertical	237	2.33	-	36.48	8.71	34.19			

2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX

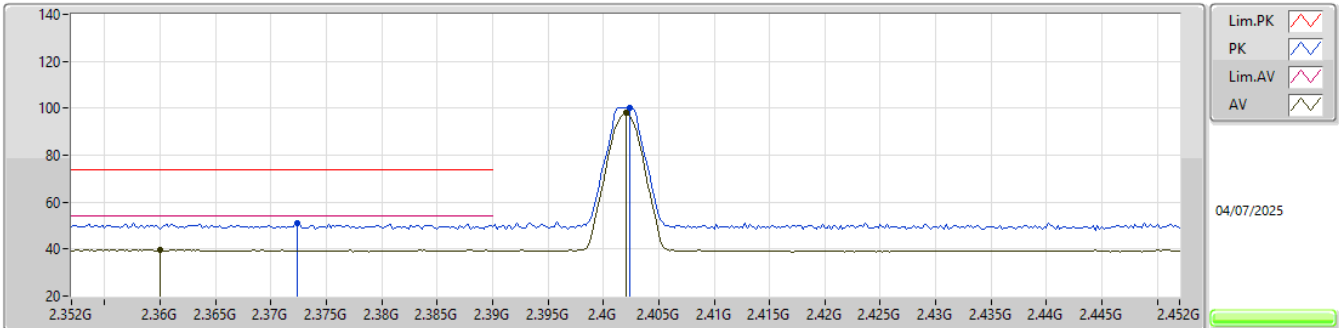


EUT_Z_1TX
Setting Default
06-H-V-1

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	4.96024G	48.45	74.00	-25.55	44.35	3	Horizontal	50	1.85	-	31.52	6.56	33.98				
AV	4.96G	39.45	54.00	-14.55	35.35	3	Horizontal	50	1.85	-	31.52	6.56	33.98				
PK	7.44852G	52.15	74.00	-21.85	41.12	3	Horizontal	275	2.43	-	36.50	8.72	34.19				
AV	7.43544G	39.80	54.00	-14.20	28.82	3	Horizontal	275	2.43	-	36.47	8.70	34.19				

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

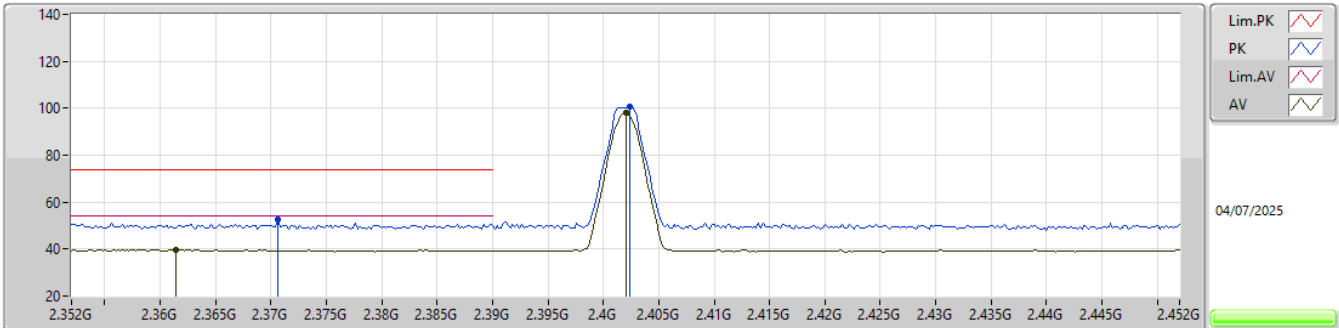


EUT_Z_1TX
Setting Default
06-H-V-1-10

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	2.3724G	50.87	74.00	-23.13	51.62	3	Vertical	13	2.29	-	27.68	4.61	33.04			
AV	2.36G	39.60	54.00	-14.40	40.23	3	Vertical	13	2.29	-	27.80	4.60	33.03			
PK	2.4024G	100.41	Inf	-Inf	101.23	3	Vertical	13	2.29	-	27.60	4.63	33.05			
AV	2.402G	97.97	Inf	-Inf	98.79	3	Vertical	13	2.29	-	27.60	4.63	33.05			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

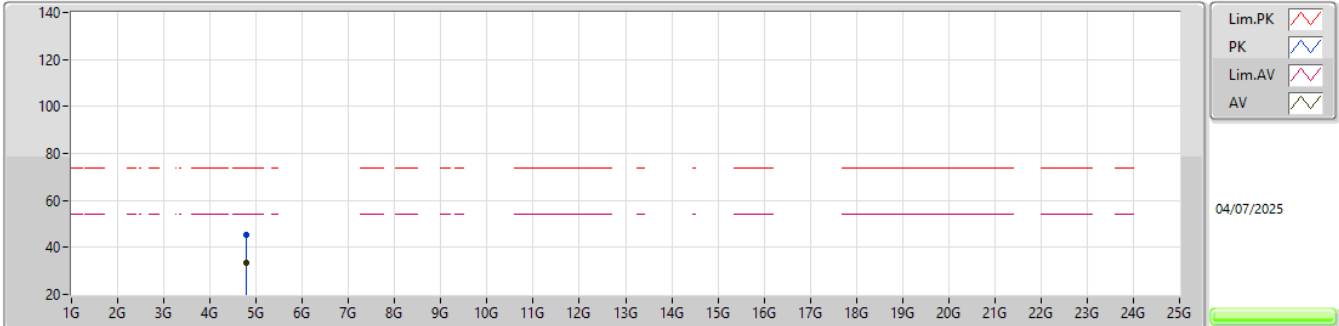


EUT_Z_1TX
Setting Default
06-H-V-1-10

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	2.3706G	52.71	74.00	-21.29	53.44	3	Horizontal	226	1.74	-	27.69	4.61	33.03				
AV	2.3614G	39.75	54.00	-14.25	40.39	3	Horizontal	226	1.74	-	27.79	4.60	33.03				
PK	2.4024G	100.44	Inf	-Inf	101.26	3	Horizontal	226	1.74	-	27.60	4.63	33.05				
AV	2.402G	97.89	Inf	-Inf	98.71	3	Horizontal	226	1.74	-	27.60	4.63	33.05				

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

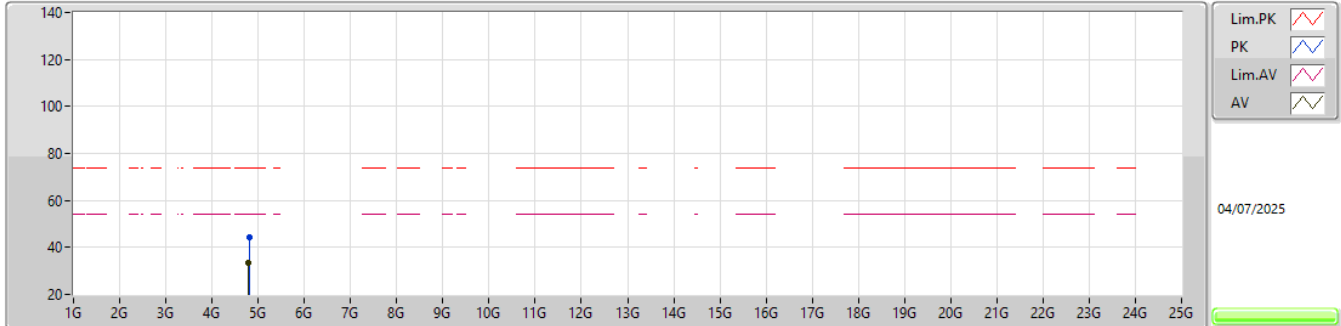


EUT_Z_1TX
Setting Default
06-H-V-1

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	4.79002G	45.33	74.00	-28.67	41.36	3	Vertical	209	1.18	-	31.38	6.54	33.95			
AV	4.79536G	33.19	54.00	-20.81	29.20	3	Vertical	209	1.18	-	31.39	6.55	33.95			

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_TX

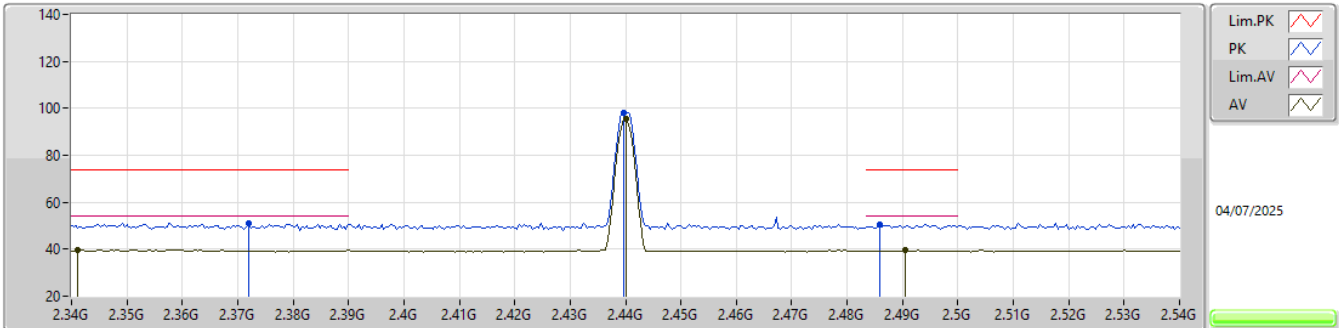


EUT_Z_1TX
Setting Default
06-H-V-1

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	4.79878G	44.56	74.00	-29.44	40.56	3	Horizontal	338	1.83	-	31.40	6.55	33.95			
AV	4.79404G	33.19	54.00	-20.81	29.20	3	Horizontal	338	1.83	-	31.39	6.55	33.95			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

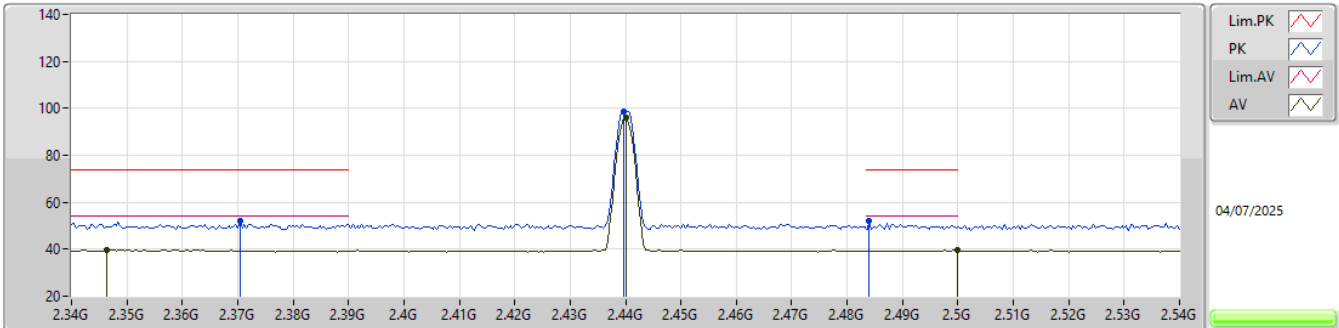


EUT_Z_1TX
Setting Default
06-H-V-1-10

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	2.372G	50.96	74.00	-23.04	51.71	3	Vertical	26	2.05	-	27.68	4.61	33.04			
AV	2.3412G	39.69	54.00	-14.31	40.32	3	Vertical	26	2.05	-	27.80	4.59	33.02			
PK	2.4396G	98.28	Inf	-Inf	99.25	3	Vertical	26	2.05	-	27.40	4.70	33.07			
AV	2.44G	95.67	Inf	-Inf	96.65	3	Vertical	26	2.05	-	27.40	4.70	33.08			
PK	2.486G	50.67	74.00	-23.33	51.53	3	Vertical	26	2.05	-	27.46	4.78	33.10			
AV	2.4904G	39.52	54.00	-14.48	40.34	3	Vertical	26	2.05	-	27.50	4.78	33.10			

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

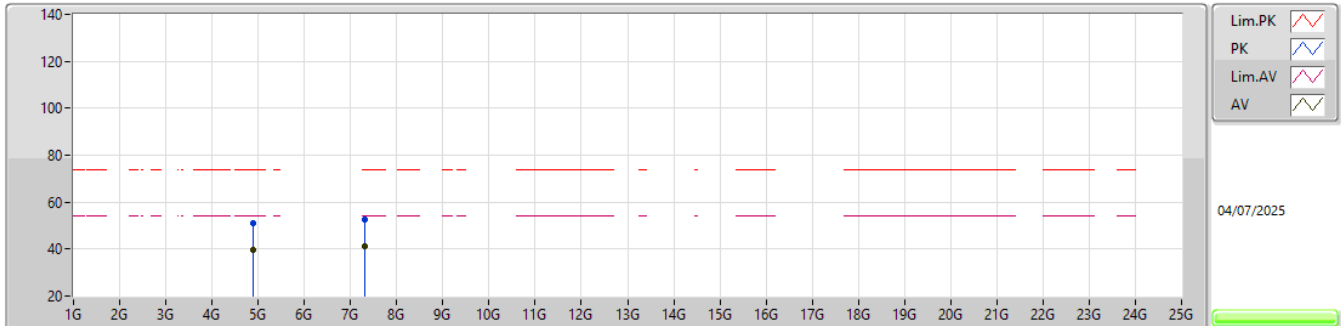


EUT_Z_1TX
Setting Default
06-H-V-1-10

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	2.3704G	51.82	74.00	-22.18	52.54	3	Horizontal	227	1.26	-	27.70	4.61	33.03			
AV	2.3464G	39.68	54.00	-14.32	40.30	3	Horizontal	227	1.26	-	27.80	4.60	33.02			
PK	2.4396G	98.85	Inf	-Inf	99.82	3	Horizontal	227	1.26	-	27.40	4.70	33.07			
AV	2.44G	96.25	Inf	-Inf	97.23	3	Horizontal	227	1.26	-	27.40	4.70	33.08			
PK	2.484G	52.20	74.00	-21.80	53.09	3	Horizontal	227	1.26	-	27.44	4.77	33.10			
AV	2.5G	39.71	54.00	-14.29	40.62	3	Horizontal	227	1.26	-	27.40	4.80	33.11			

2.4-2.4835GHz_BT-LE(2Mbps)

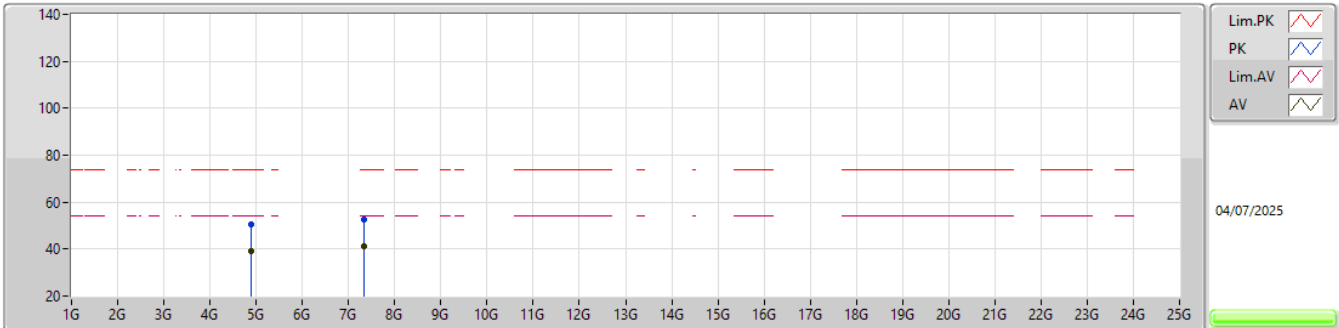
2440MHz_TX


EUT_Z_1TX
Setting Default
06-H-V-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	4.88096G	50.83	74.00	-23.17	46.95	3	Vertical	84	1.73	-	31.30	6.55	33.97				
AV	4.87934G	39.43	54.00	-14.57	35.55	3	Vertical	84	1.73	-	31.30	6.55	33.97				
PK	7.3059G	52.69	74.00	-21.31	41.71	3	Vertical	264	2.77	-	36.60	8.57	34.19				
AV	7.31412G	41.20	54.00	-12.80	30.21	3	Vertical	264	2.77	-	36.60	8.58	34.19				

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX

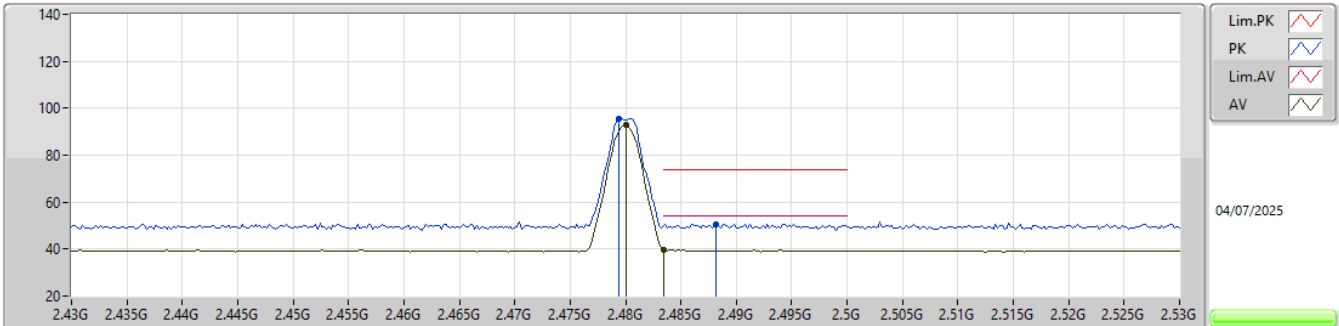


EUT_Z_1TX
Setting Default
06-H-V-1

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	4.8926G	50.66	74.00	-23.34	46.78	3	Horizontal	19	2.74	-	31.30	6.55	33.97				
AV	4.88342G	38.98	54.00	-15.02	35.10	3	Horizontal	19	2.74	-	31.30	6.55	33.97				
PK	7.32372G	52.79	74.00	-21.21	41.79	3	Horizontal	180	2.15	-	36.60	8.59	34.19				
AV	7.33062G	41.07	54.00	-12.93	30.07	3	Horizontal	180	2.15	-	36.60	8.59	34.19				

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

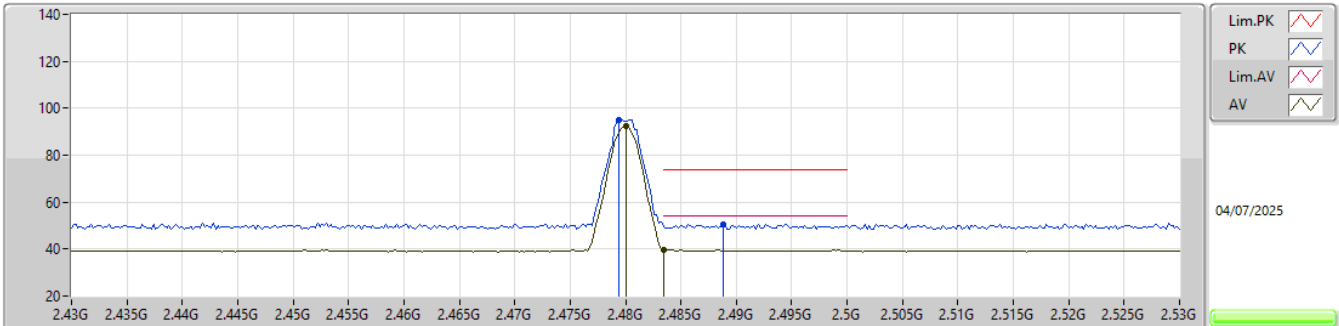


EUT_Z_1TX
Setting Default
06-H-V-1-10

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	2.4794G	95.39	Inf	-Inf	96.34	3	Vertical	28	2.00	-	27.39	4.76	33.10			
AV	2.48G	92.92	Inf	-Inf	93.85	3	Vertical	28	2.00	-	27.40	4.77	33.10			
PK	2.4882G	50.64	74.00	-23.36	51.48	3	Vertical	28	2.00	-	27.48	4.78	33.10			
AV	2.4835G	39.64	54.00	-14.36	40.53	3	Vertical	28	2.00	-	27.44	4.77	33.10			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

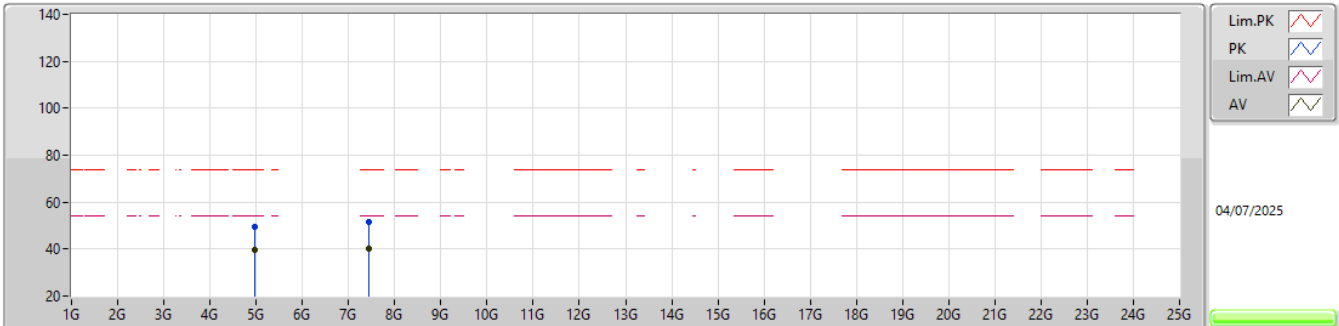


EUT_Z_1TX
Setting Default
06-H-V-1-10

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	2.4794G	95.00	Inf	-Inf	95.95	3	Horizontal	236	1.61	-	27.39	4.76	33.10			
AV	2.48G	92.49	Inf	-Inf	93.42	3	Horizontal	236	1.61	-	27.40	4.77	33.10			
PK	2.4888G	50.69	74.00	-23.31	51.52	3	Horizontal	236	1.61	-	27.49	4.78	33.10			
AV	2.4835G	39.80	54.00	-14.20	40.69	3	Horizontal	236	1.61	-	27.44	4.77	33.10			

2.4-2.4835GHz_BT-LE(2Mbps)

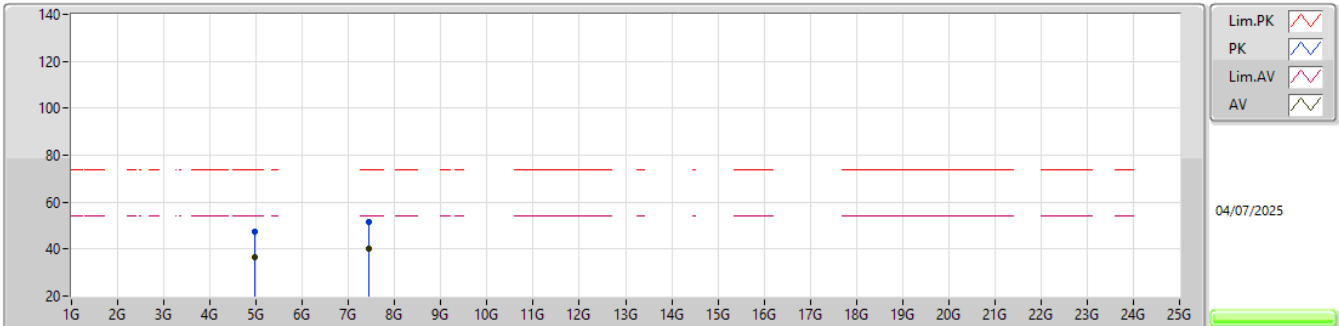
2480MHz_TX


EUT_Z_1TX
Setting Default
06-H-V-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	4.96102G	49.35	74.00	-24.65	45.25	3	Vertical	250	2.09	-	31.52	6.56	33.98			
AV	4.9609G	39.66	54.00	-14.34	35.56	3	Vertical	250	2.09	-	31.52	6.56	33.98			
PK	7.42866G	51.51	74.00	-22.49	40.55	3	Vertical	279	1.78	-	36.46	8.69	34.19			
AV	7.43238G	40.21	54.00	-13.79	29.24	3	Vertical	279	1.78	-	36.46	8.70	34.19			

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



EUT_Z_1TX
Setting Default
06-H-V-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	4.96096G	47.18	74.00	-26.82	43.08	3	Horizontal	252	1.20	-	31.52	6.56	33.98			
AV	4.95904G	36.78	54.00	-17.22	32.68	3	Horizontal	252	1.20	-	31.52	6.56	33.98			
PK	7.43382G	51.77	74.00	-22.23	40.79	3	Horizontal	335	2.24	-	36.47	8.70	34.19			
AV	7.4295G	40.21	54.00	-13.79	29.25	3	Horizontal	335	2.24	-	36.46	8.69	34.19			