

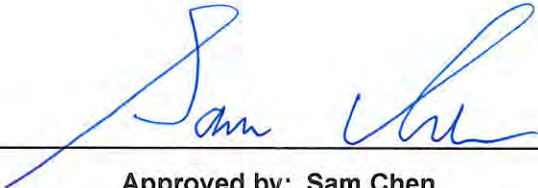


# RADIO TEST REPORT

**FCC ID** : TLZ-XH32X  
**Equipment** : IEEE 802.11 a/b/g/n/ac/ax Wi-Fi + Bluetooth 5.3 Combo SIP Module  
**Brand Name** : AzureWave  
**Model Name** : AW-XH323, AW-XH325, AW-XH327  
**Applicant** : AzureWave Technologies, Inc.  
8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231  
**Manufacturer** : AzureWave Technologies, Inc.  
8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231  
**Standard** : 47 CFR FCC Part 15.247

The product was received on Dec. 14, 2023, and testing was started from Dec. 16, 2023 and completed on Apr. 11, 2024. 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 .....9

1.3 Testing Location Information .....9

1.4 Measurement Uncertainty .....9

**2 Test Configuration of EUT .....10**

2.1 Test Channel Mode .....10

2.2 The Worst Case Measurement Configuration .....10

2.3 EUT Operation during Test .....11

2.4 Accessories .....11

2.5 Support Equipment.....12

2.6 Test Setup Diagram .....14

**3 Transmitter Test Result .....17**

3.1 AC Power-line Conducted Emissions .....17

3.2 DTS Bandwidth.....19

3.3 Maximum Conducted Output Power .....20

3.4 Power Spectral Density .....22

3.5 Emissions in Non-restricted Frequency Bands .....24

3.6 Emissions in Restricted Frequency Bands.....25

**4 Test Equipment and Calibration Data .....29**

**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**



### History of this test report

Report No.	Version	Description	Issued Date
FR3O3014AE	01	Initial issue of report	Apr. 25, 2024



### Summary of Test Result

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

**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:**

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.

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	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	2	1TX

Note:

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



**1.1.2 Antenna Information**

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	ARISTOTLE	RFA-27-JP326MHF4C198	PIFA	I-PEX	Note 1
2					

Note 1:

Ant.	Port		Gain (dBi)		
	WLAN 2.4GHz / 5GHz / 6GHz	Bluetooth	WLAN 2.4GHz	WLAN 5GHz / 6GHz	Bluetooth
1	1	1	3.5	5	3.5
2	2	N/A			

Note 2: The above information was declared by manufacturer.

Note 3: Directional gain information for 2TX/2RX

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

Ex.

Directional Gain (NSS1) formula :

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

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

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

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

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

Where ;

$$2.4G\ G1 = 3.5\ dBi ; G2 = 3.5\ dBi ;$$

$$5G\ UNII-1\ G1 = 5.00\ dBi ; G2 = 5.00\ dBi ;$$

$$5G\ UNII-2A\ G1 = 5.00\ dBi ; G2 = 5.00\ dBi ;$$

$$5G\ UNII-2C\ G1 = 5.00\ dBi ; G2 = 5.00\ dBi ;$$

$$5G\ UNII-3\ G1 = 5.00\ dBi ; G2 = 5.00\ dBi ;$$

$$2.4G\ DG = 6.51\ dBi$$

$$5G\ UNII-1\ DG = 8.01\ dBi$$

$$5G\ UNII-2A\ DG = 8.01\ dBi$$

$$5G\ UNII-2C\ DG = 8.01\ dBi$$

$$5G\ UNII-3\ DG = 8.01\ dBi$$



**Note 4: For 2.4GHz function:**

**For IEEE 802.11 b/g/n/VHT/ax (1TX/1RX):**

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

**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 802.11a/n/ac/ax (1TX/1RX):**

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

**For IEEE 802.11a/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 802.11ax (1TX/1RX):**

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

**For IEEE 802.11ax (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
BT-LE(1Mbps)	0.626	2.03	391.25u	3k
BT-LE(2Mbps)	0.312	5.06	195.625u	10k

Note:

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

**1.1.4 EUT Operational Condition**

<b>EUT Power Type</b>	From host system			
<b>Function</b>	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
<b>Test Software Version</b>	Tera Term 4.75			
<b>Support Mode</b>	<input checked="" type="checkbox"/>	LE 1M PHY: 1 Mb/s		
	<input type="checkbox"/>	LE Coded PHY (S=2): 500 Kb/s		
	<input type="checkbox"/>	LE Coded PHY (S=8): 125 Kb/s		
	<input checked="" type="checkbox"/>	LE 2M PHY: 2 Mb/s		

Note: The above information was declared by manufacturer.



**1.1.5 Table for Multiple Listing**

<b>Model Name</b>	<b>Description</b>
AW-XH323	All the models are identical, the different model names serve as strategies for marketing.
AW-XH325	
AW-XH327	

Note 1: From the above models, AW-XH323 was selected as representative model for the test, and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

**1.1.6 Table for EUT Information**

The EUT has 3 SKUs. The difference between them lies in the software settings listed below:

<b>SKU</b>	<b>TX/RX Function for WLAN</b>	<b>Supporting WLAN 6GHz</b>
1	2TX/2RX	V
2	1TX/1RX	V
3	2TX/2RX	X

Note 1: From the above SKUs, SKU 2 was selected to test all the test items, and SKU 1 was selected to test AC Power-line Conducted Emissions and Emissions in Restricted Frequency Bands below 1GHz. Their data was recorded in this report.

Note 2: 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	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	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	TH01-CB	Ken Yeh	21.4~22.7 / 66~68	Dec. 21, 2023~ Jan. 15, 2024
Radiated < 1GHz	03CH04-CB	Black Lu	22.7~23.8 / 56~59	Mar. 19, 2024~ Apr. 11, 2024
Radiated > 1GHz	03CH02-CB	Black Lu	22~23 / 55~58	Dec. 16, 2023~ Jan. 12, 2024
AC Conduction	CO01-CB	Joe Chu	22~23 / 50~51	Mar. 27, 2024

### 1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	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

### 2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	AC power-line conducted emissions
<b>Condition</b>	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
<b>Operating Mode</b>	Normal Link
1	EUT (SKU 1)_WLAN 2.4GHz + Bluetooth
2	EUT (SKU 1)_WLAN 5GHz + Bluetooth
3	EUT (SKU 1)_WLAN 6GHz + Bluetooth
4	EUT (SKU 2)_WLAN 2.4GHz + Bluetooth
5	EUT (SKU 2)_WLAN 5GHz + Bluetooth
6	EUT (SKU 2)_WLAN 6GHz + Bluetooth
For operating, Mode 4 was the worst case, and it was recorded in this test report.	

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
<b>Test Condition</b>	Conducted measurement at transmit chains
1	EUT (SKU 2)



<b>The Worst Case Mode for Following Conformance Tests</b>	
<b>Tests Item</b>	Emissions in Restricted Frequency Bands
<b>Test Condition</b>	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.
<b>Operating Mode &lt; 1GHz</b>	Normal link
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Z axis. Thus, the measurement will follow this same test configuration.
1	EUT (SKU 1) in Z axis_WLAN 2.4GHz + Bluetooth
2	EUT (SKU 1) in Z axis_WLAN 5GHz + Bluetooth
3	EUT (SKU 1) in Z axis_WLAN 6GHz + Bluetooth
4	EUT (SKU 2) in Z axis_WLAN 2.4GHz + Bluetooth
5	EUT (SKU 2) in Z axis_WLAN 5GHz + Bluetooth
6	EUT (SKU 2) in Z axis_WLAN 6GHz + Bluetooth
For operating, Mode 1 was the worst case, and it was recorded in this test report.	
<b>Operating Mode &gt; 1GHz</b>	CTX
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Y axis. Thus, the measurement will follow this same test configuration.
1	EUT (SKU 2) in Y axis

Note: The EUT can enable the WLAN function and the Bluetooth function at the same time, but they cannot function simultaneously. There will be a time delay between switching from each function.

### 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 1	AZW	2460-i3	N/A
B	Fixture 2	AZW	2460-i6	N/A
C	Control NB	DELL	E6430	N/A
D	NB 1	DELL	E6430	N/A
E	AP Router	TP-LINK	Archer C54	N/A
F	NB 2	DELL	E6430	N/A
G	iPad mini	Apple	A1489	N/A
H	Mouse	acer	MOBVUO	N/A
I	Earphone	e-Power	GT-02	N/A

For Radiated < 1GHz:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Fixture 1	AZW	2460-i3	N/A
B	Fixture 2	AZW	2460-i6	N/A
C	NB 1	DELL	E6230	N/A
D	WLAN AP	ASUS	RT-AX88U	N/A
E	NB 2	DELL	E4300	N/A
F	Mouse	Logitech	M-U0026	N/A
G	Earphone	e-Power	S90W	N/A
H	iPad	Apple	A1430	N/A

For Radiated > 1GHz:

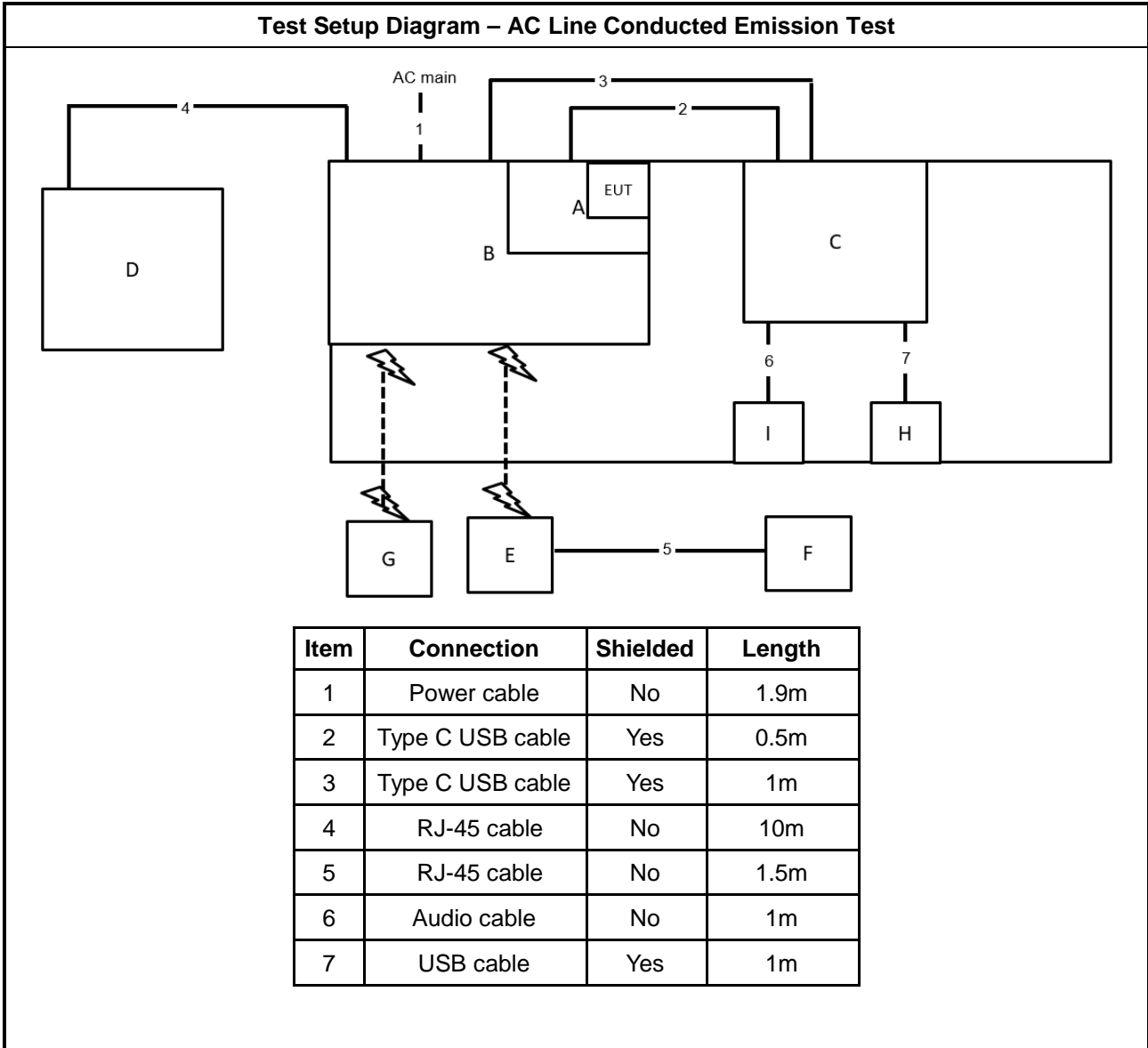
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Fixture 1	AZW	2460-i3	N/A
B	Fixture 2	AZW	2460-i6	N/A
C	NB	DELL	E6230	N/A



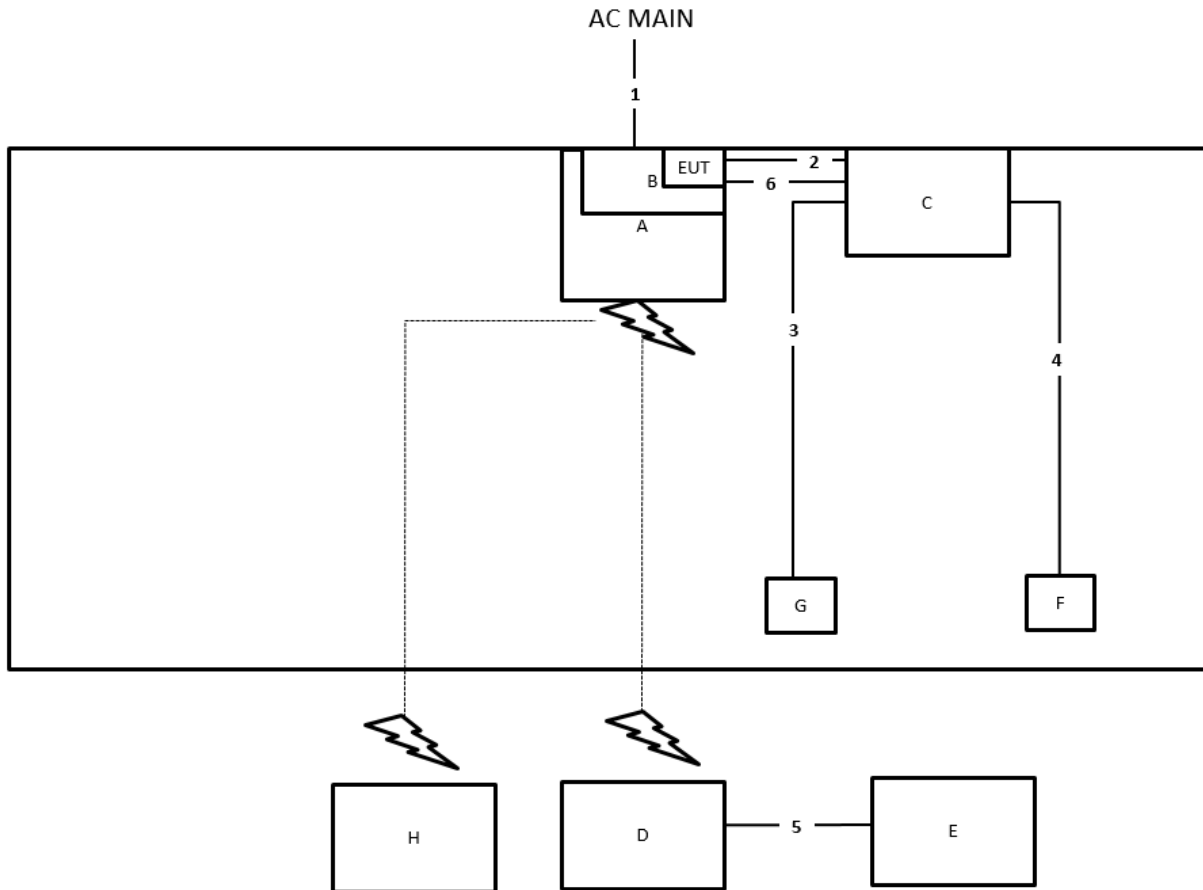
**For RF Conducted:**

<b>Support Equipment</b>				
<b>No.</b>	<b>Equipment</b>	<b>Brand Name</b>	<b>Model Name</b>	<b>FCC ID</b>
A	NB	DELL	E4300	N/A
B	USB to TypeC cable	PHILIPS	DLC4543	N/A
C	USB to TypeC cable	PHILIPS	DLC4543	N/A
D	Fixture 1	AZW	2460-i3	N/A
E	Fixture 2	AZW	2460-i6	N/A

## 2.6 Test Setup Diagram

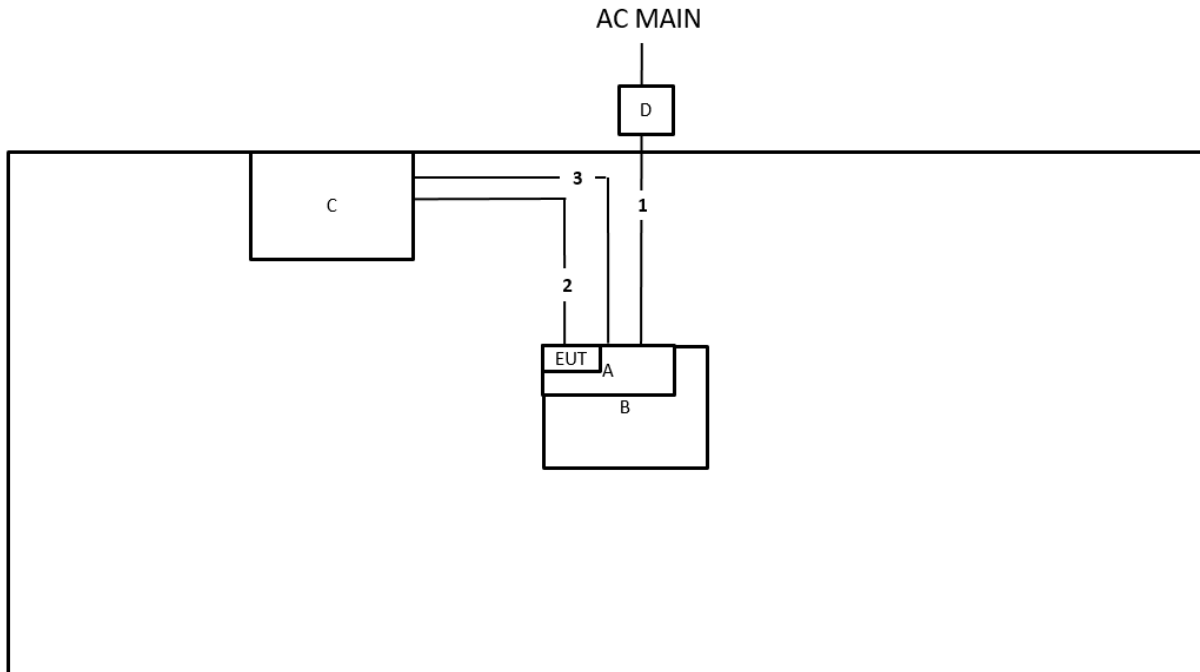


**Test Setup Diagram - Radiated Test < 1GHz**



Item	Connection	Shielded	Length
1	Power cable	No	1.9m
2	USB to TypeC cable	Yes	1m
3	Audio cable	No	1m
4	USB cable	Yes	1.5m
5	RJ-45 cable	No	10m
6	USB to TypeC cable	Yes	1m

**Test Setup Diagram - Radiated Test > 1GHz**



Item	Connection	Shielded	Length
1	Power cable	No	1.9m
2	USB to TypeC cable	Yes	1m
3	USB to TypeC cable	Yes	1m





### 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.

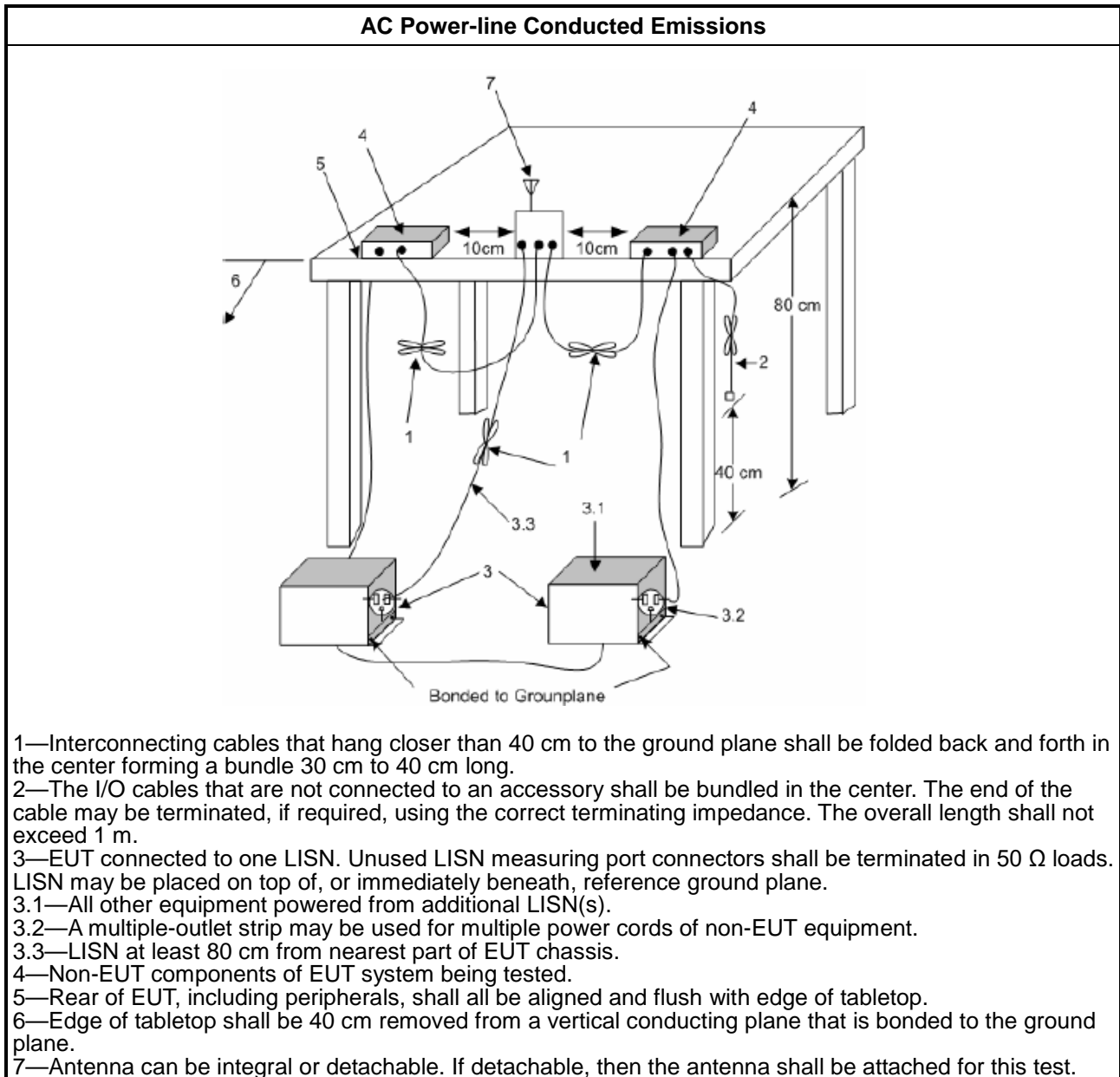
##### 3.1.2 Measuring Instruments

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:

- a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- b. 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
<b>Systems using digital modulation techniques:</b>
<ul style="list-style-type: none"> <li>▪ 6 dB bandwidth <math>\geq</math> 500 kHz.</li> </ul>

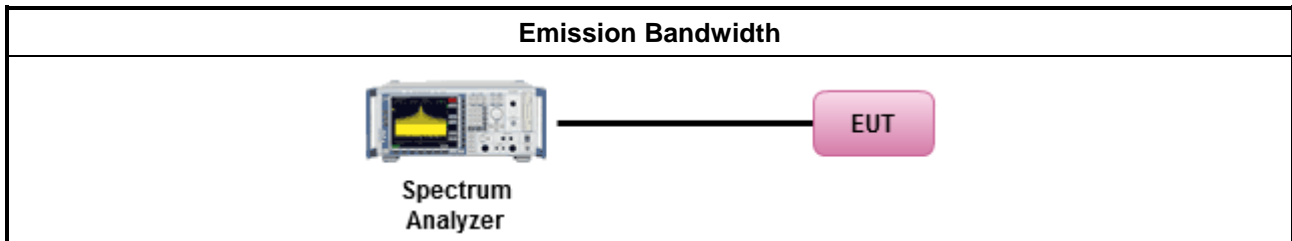
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> <li>▪ For the emission bandwidth shall be measured using one of the options below:</li> </ul>
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> 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	
	<ul style="list-style-type: none"> <li>▪ If <math>G_{TX} \leq 6</math> dBi, then <math>P_{Out} \leq 30</math> dBm (1 W)</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-point systems (P2P): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Smart antenna system (SAS):</li> </ul>
	<ul style="list-style-type: none"> <li>- Single beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Overlap beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Aggregate power on all beams: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3 + 8</math> dB dBm</li> </ul>
$P_{Out}$ = 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

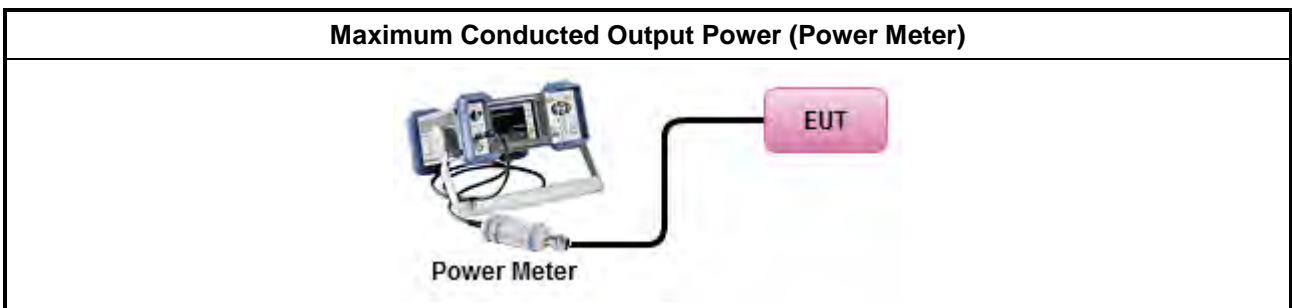
Test Method	
	<ul style="list-style-type: none"> <li>▪ Maximum Peak Conducted Output Power</li> </ul>
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW $\geq$ EBW method).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
	<ul style="list-style-type: none"> <li>▪ Maximum Conducted Output Power</li> </ul>
	[duty cycle $\geq$ 98% or external video / power trigger]
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	<input type="checkbox"/> 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
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	<input type="checkbox"/> 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)
	<input type="checkbox"/> 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).
	<input checked="" type="checkbox"/> 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
<ul style="list-style-type: none"> <li>Power Spectral Density (PSD) ≤ 8 dBm/3kHz</li> </ul>

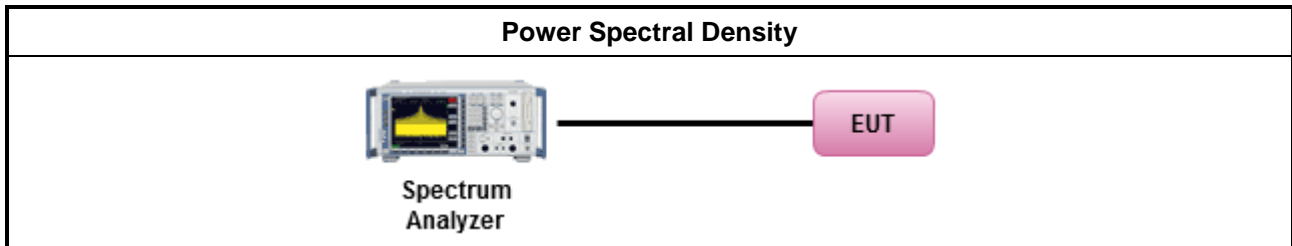
#### 3.4.2 Measuring Instruments

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

#### 3.4.3 Test Procedures

Test Method
<ul style="list-style-type: none"> <li>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).</li> </ul>
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD. [duty cycle ≥ 98% or external video / power trigger]
<ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>
<ul style="list-style-type: none"> <li>If The EUT supports multiple transmit chains using options given below: <ul style="list-style-type: none"> <li><input type="checkbox"/> 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.</li> <li><input type="checkbox"/> 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,</li> <li><input type="checkbox"/> 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.</li> </ul> </li> </ul>

### 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.

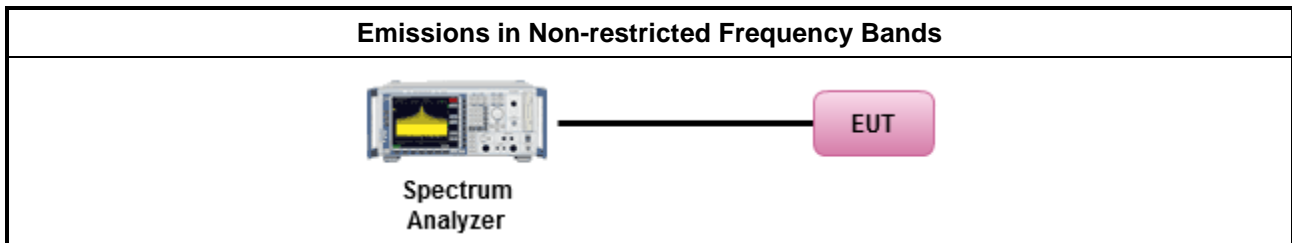
#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> <li>Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.</li> </ul>

#### 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

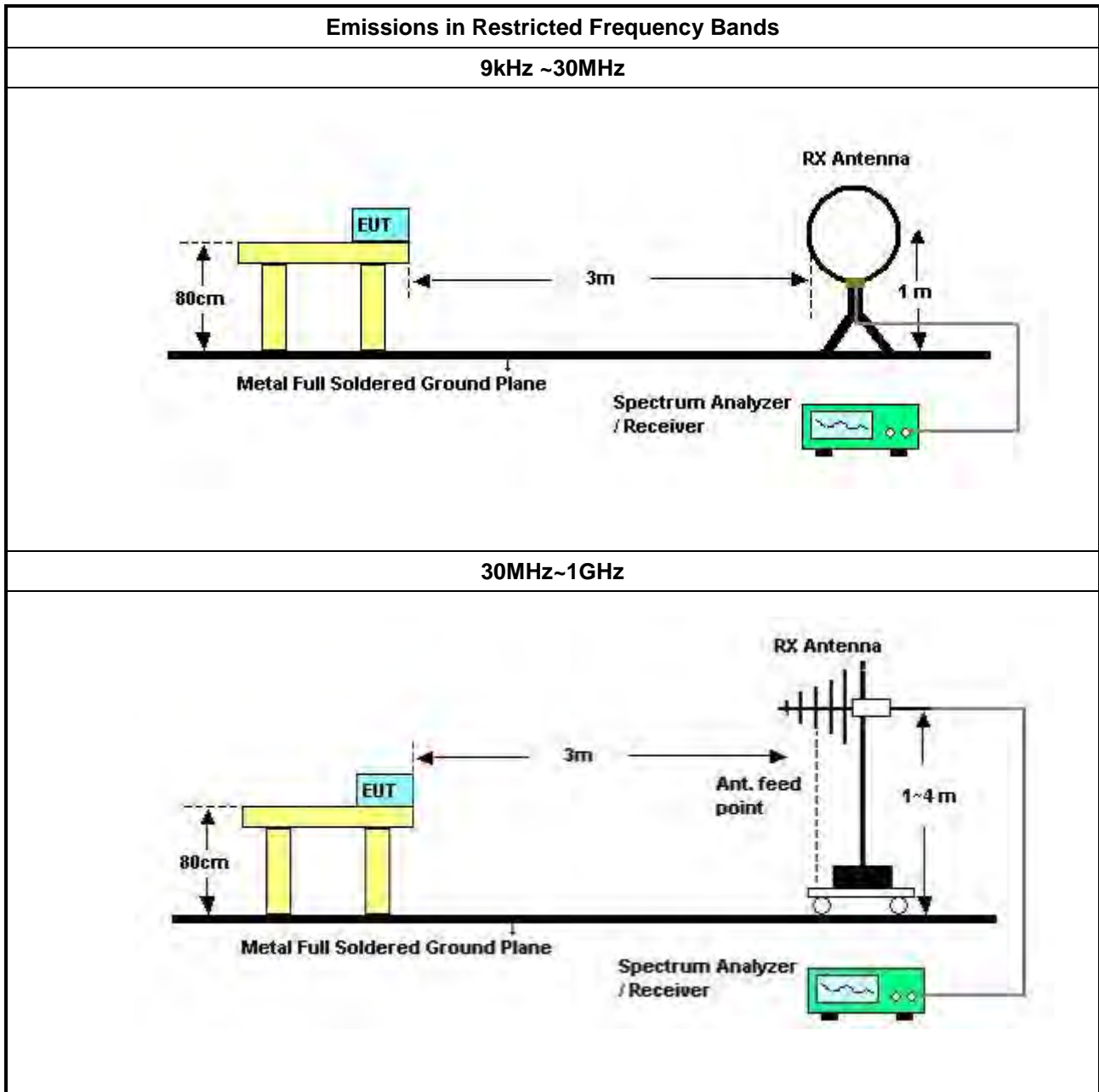
Refer a test equipment and calibration data table in this test report.

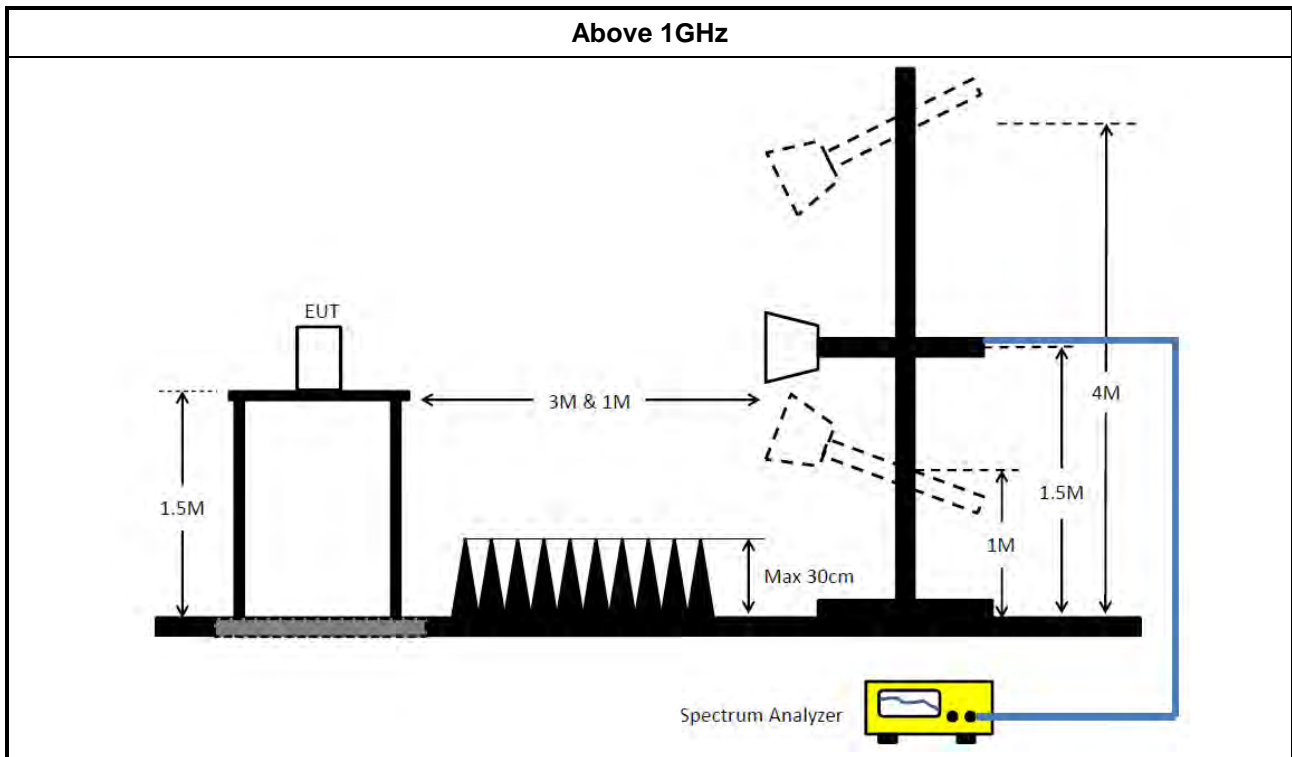


**3.6.3 Test Procedures**

<b>Test Method</b>	
<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li> </ul>	
<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.</li> </ul>
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq$ 98%).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW $\geq$ 1/T).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
<ul style="list-style-type: none"> <li>▪ For the transmitter band-edge emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074 clause 8.7 &amp; 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.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ 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).</li> </ul>
	<ul style="list-style-type: none"> <li>▪ 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             </li> </ul>
	<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>

**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. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 08, 2024	Feb. 07, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30MHz ~ 1GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N06 07	30MHz ~ 1GHz	Oct. 07, 2023	Oct. 06, 2024	Radiation (03CH04-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	May 23, 2023	May 22, 2024	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	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz ~ 1GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40GHz	Dec. 06, 2023	Dec. 05, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 29, 2023	May 28, 2024	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	1339408	300MHz~40GHz	Sep. 12, 2023	Sep. 11, 2024	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1517009	300MHz~40GHz	Sep. 12, 2023	Sep. 11, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

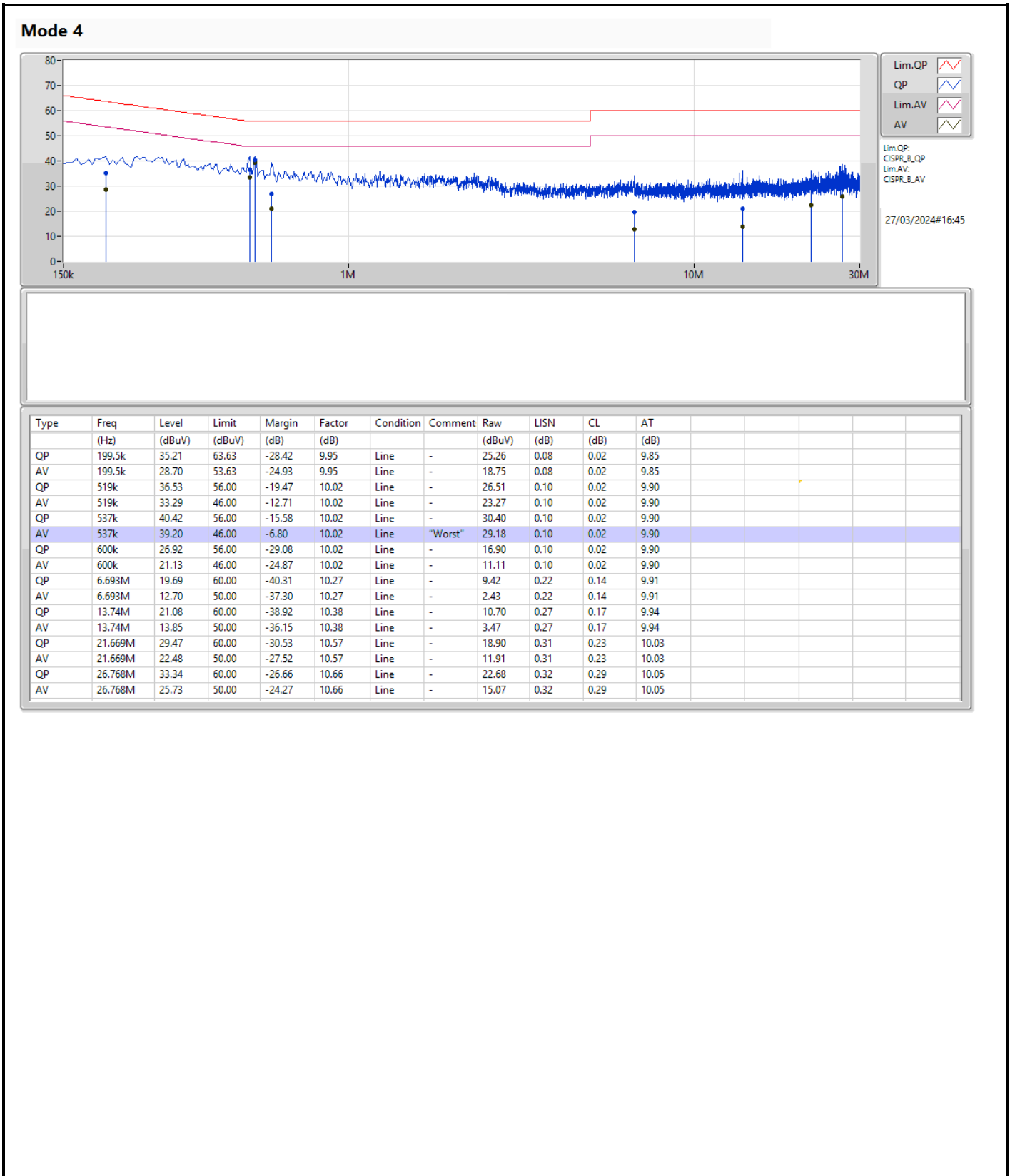
Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



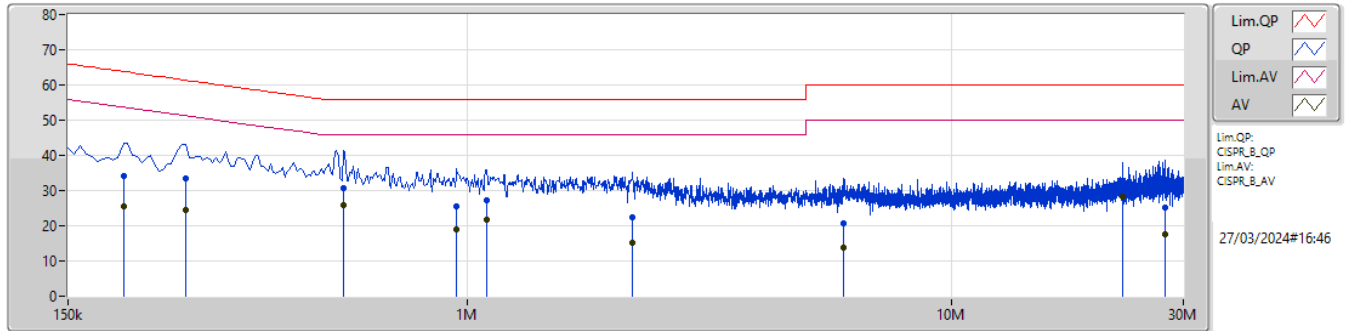
**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 4	Pass	AV	537k	39.20	46.00	-6.80	Line





## Mode 4



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	195k	34.00	63.82	-29.82	9.94	Neutral	-	24.06	0.07	0.02	9.85
AV	195k	25.68	53.82	-28.14	9.94	Neutral	-	15.74	0.07	0.02	9.85
QP	262.5k	33.61	61.35	-27.74	9.96	Neutral	-	23.65	0.07	0.02	9.87
AV	262.5k	24.52	51.35	-26.83	9.96	Neutral	-	14.56	0.07	0.02	9.87
QP	555k	30.72	56.00	-25.28	9.99	Neutral	-	20.73	0.07	0.02	9.90
AV	555k	25.91	46.00	-20.09	9.99	Neutral	"Worst"	15.92	0.07	0.02	9.90
QP	951k	25.59	56.00	-30.41	10.00	Neutral	-	15.59	0.08	0.01	9.91
AV	951k	18.81	46.00	-27.19	10.00	Neutral	-	8.81	0.08	0.01	9.91
QP	1.095M	27.20	56.00	-28.80	10.01	Neutral	-	17.19	0.08	0.02	9.91
AV	1.095M	21.61	46.00	-24.39	10.01	Neutral	-	11.60	0.08	0.02	9.91
QP	2.189M	22.30	56.00	-33.70	10.07	Neutral	-	12.23	0.10	0.08	9.89
AV	2.189M	15.22	46.00	-30.78	10.07	Neutral	-	5.15	0.10	0.08	9.89
QP	5.987M	20.65	60.00	-39.35	10.21	Neutral	-	10.44	0.17	0.14	9.90
AV	5.987M	13.89	50.00	-36.11	10.21	Neutral	-	3.68	0.17	0.14	9.90
QP	22.524M	32.83	60.00	-27.17	10.60	Neutral	-	22.23	0.32	0.24	10.04
AV	22.524M	28.11	50.00	-21.89	10.60	Neutral	-	17.51	0.32	0.24	10.04
QP	27.573M	25.21	60.00	-34.79	10.75	Neutral	-	14.46	0.38	0.31	10.06
AV	27.573M	17.47	50.00	-32.53	10.75	Neutral	-	6.72	0.38	0.31	10.06



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)	683.75k	1.043M	1M04F1D	677.5k	1.041M
BT-LE(2Mbps)	1.253M	2.046M	2M05F1D	1.248M	2.035M

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	677.5k	1.042M
2440MHz	Pass	500k	683.75k	1.041M
2480MHz	Pass	500k	683.75k	1.043M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.248M	2.035M
2440MHz	Pass	500k	1.25M	2.043M
2480MHz	Pass	500k	1.253M	2.046M

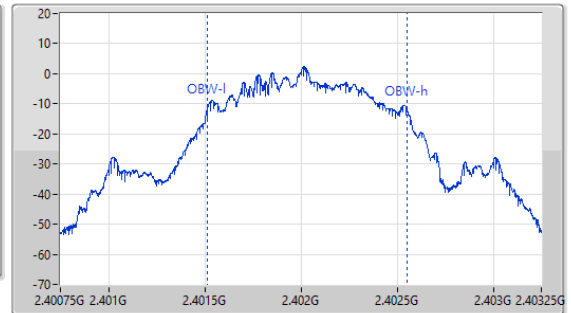
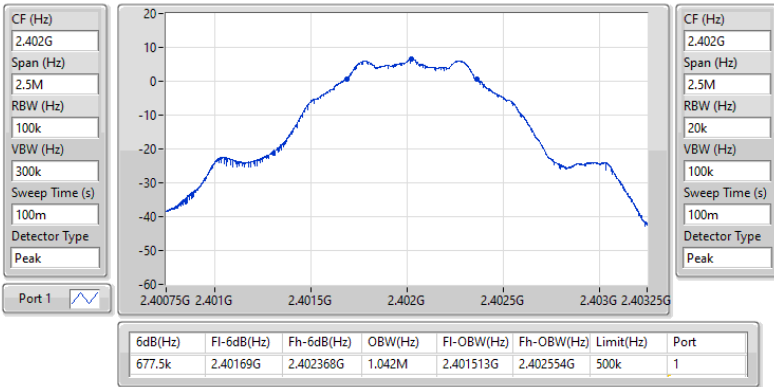
Port X-N dB = Port X 6dB down bandwidth;  
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz\_BT-LE(1Mbps)

EBW-DTS

2402MHz

29/12/2023

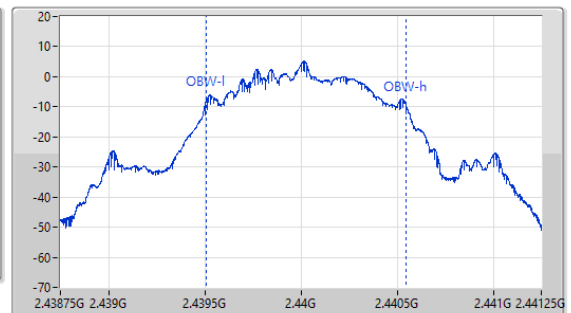
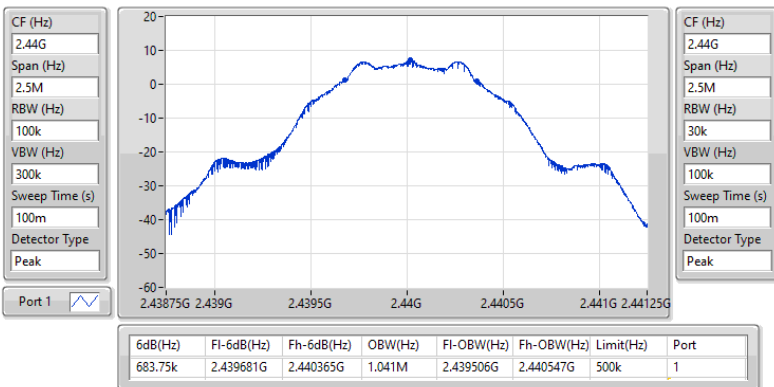


2.4-2.4835GHz\_BT-LE(1Mbps)

EBW-DTS

2440MHz

29/12/2023

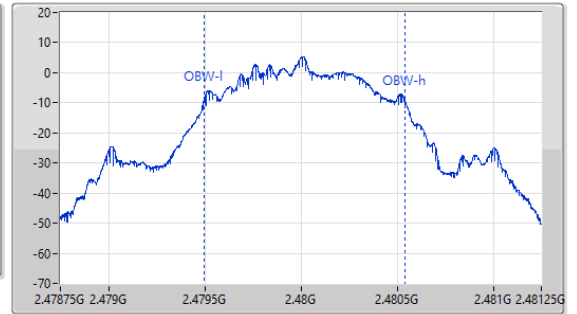
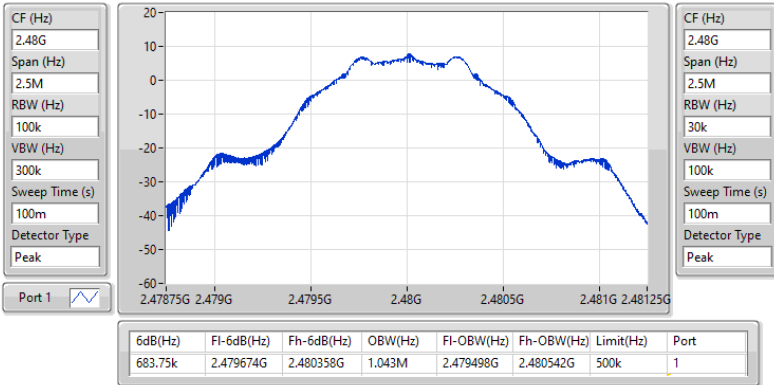


2.4-2.4835GHz\_BT-LE(1Mbps)

EBW-DTS

2480MHz

29/12/2023

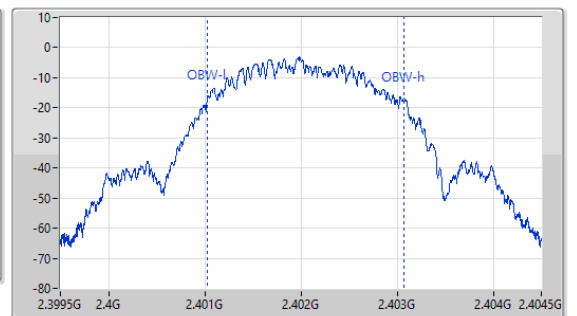
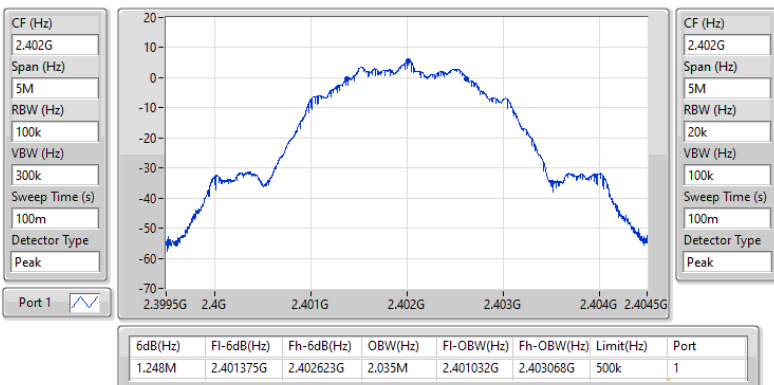


2.4-2.4835GHz\_BT-LE(2Mbps)

EBW-DTS

2402MHz

29/12/2023

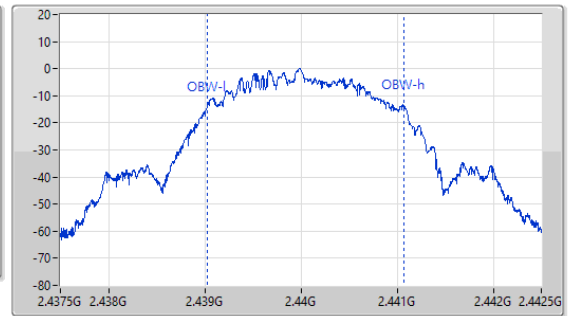
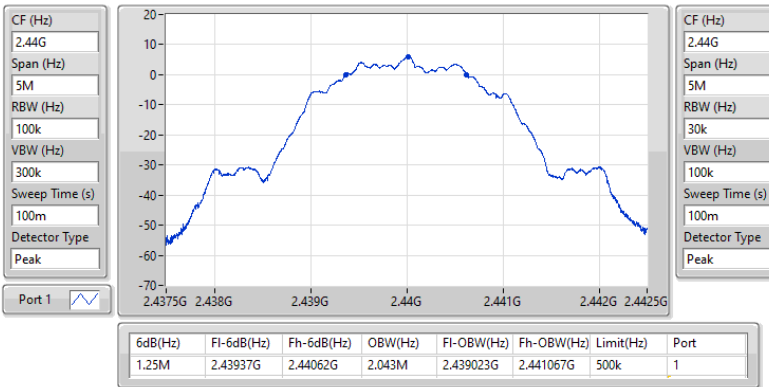


2.4-2.4835GHz\_BT-LE(2Mbps)

EBW-DTS

2440MHz

29/12/2023

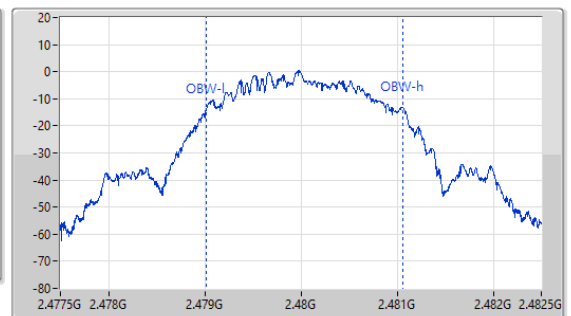
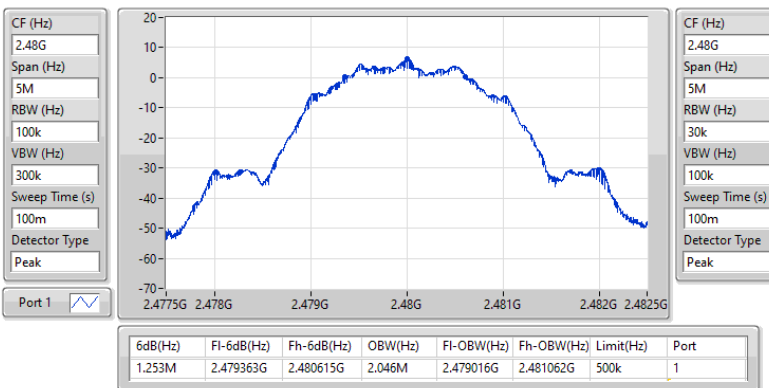


2.4-2.4835GHz\_BT-LE(2Mbps)

EBW-DTS

2480MHz

29/12/2023





**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	6.68	0.00466
BT-LE(2Mbps)	5.93	0.00392



**Result**

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.50	5.81	30.00
2440MHz	Pass	3.50	6.48	30.00
2480MHz	Pass	3.50	6.68	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	3.50	5.21	30.00
2440MHz	Pass	3.50	5.70	30.00
2480MHz	Pass	3.50	5.93	30.00

DG = Directional Gain; Port X = Port X output power





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-6.86
BT-LE(2Mbps)	-11.25

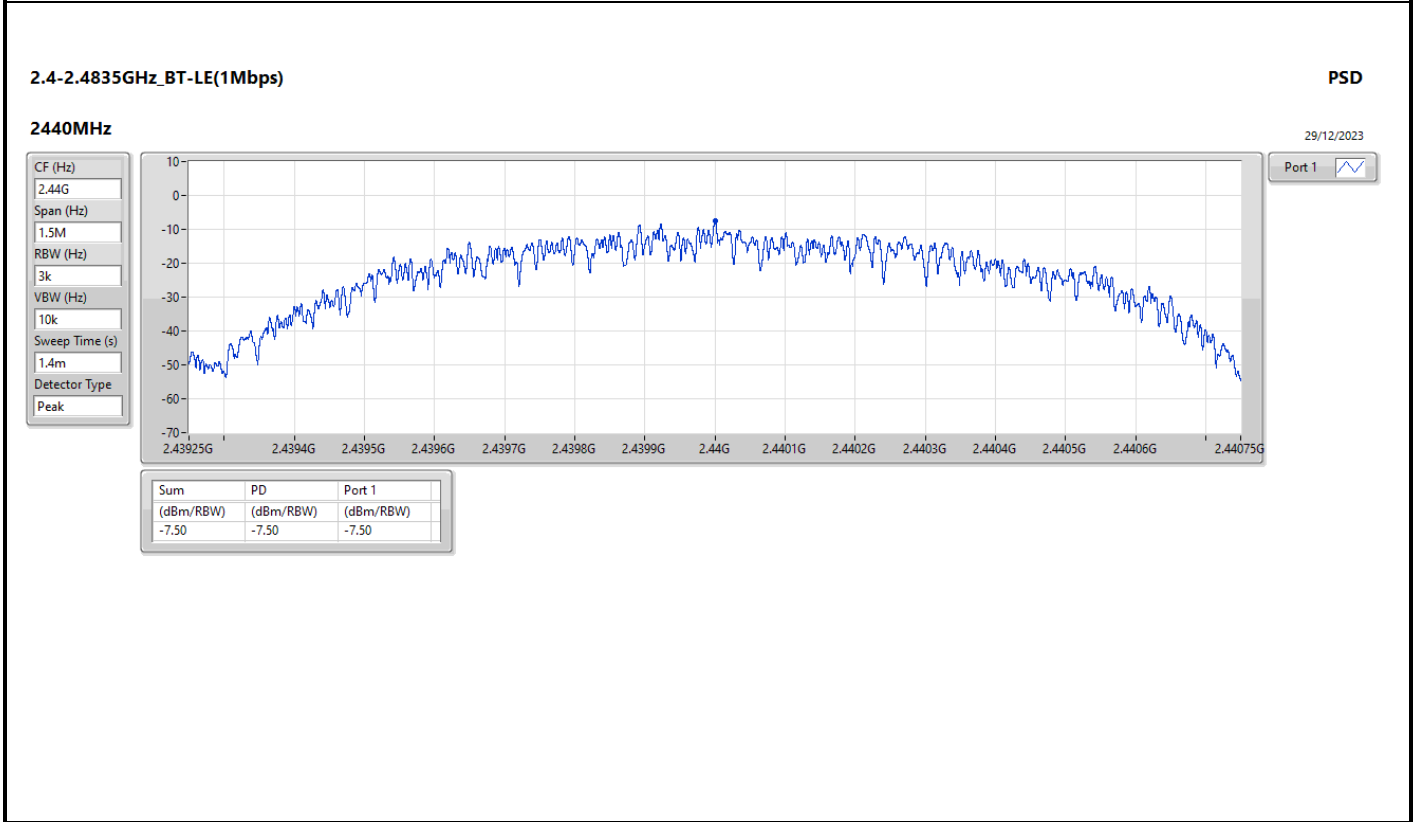
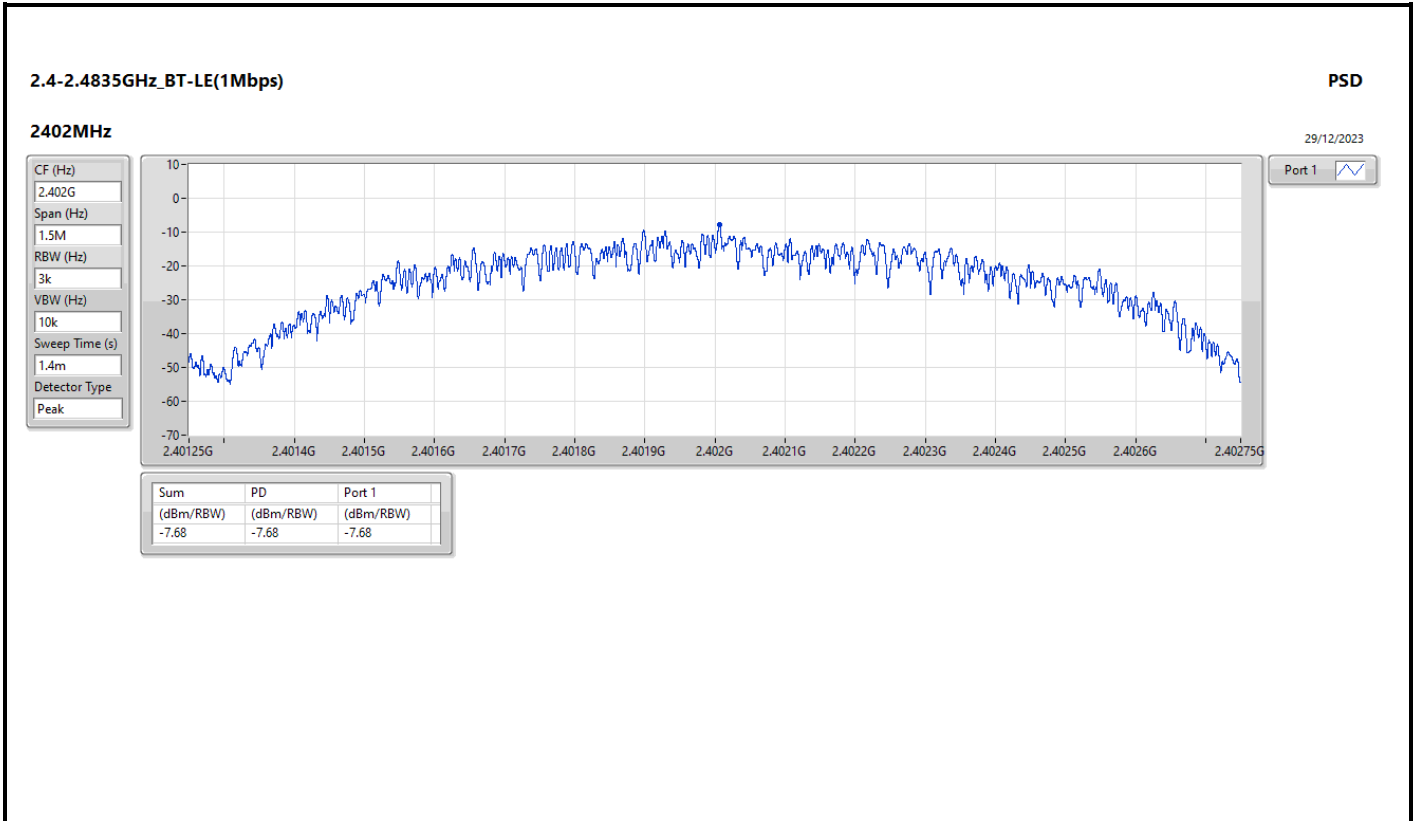
RBW = 3kHz;

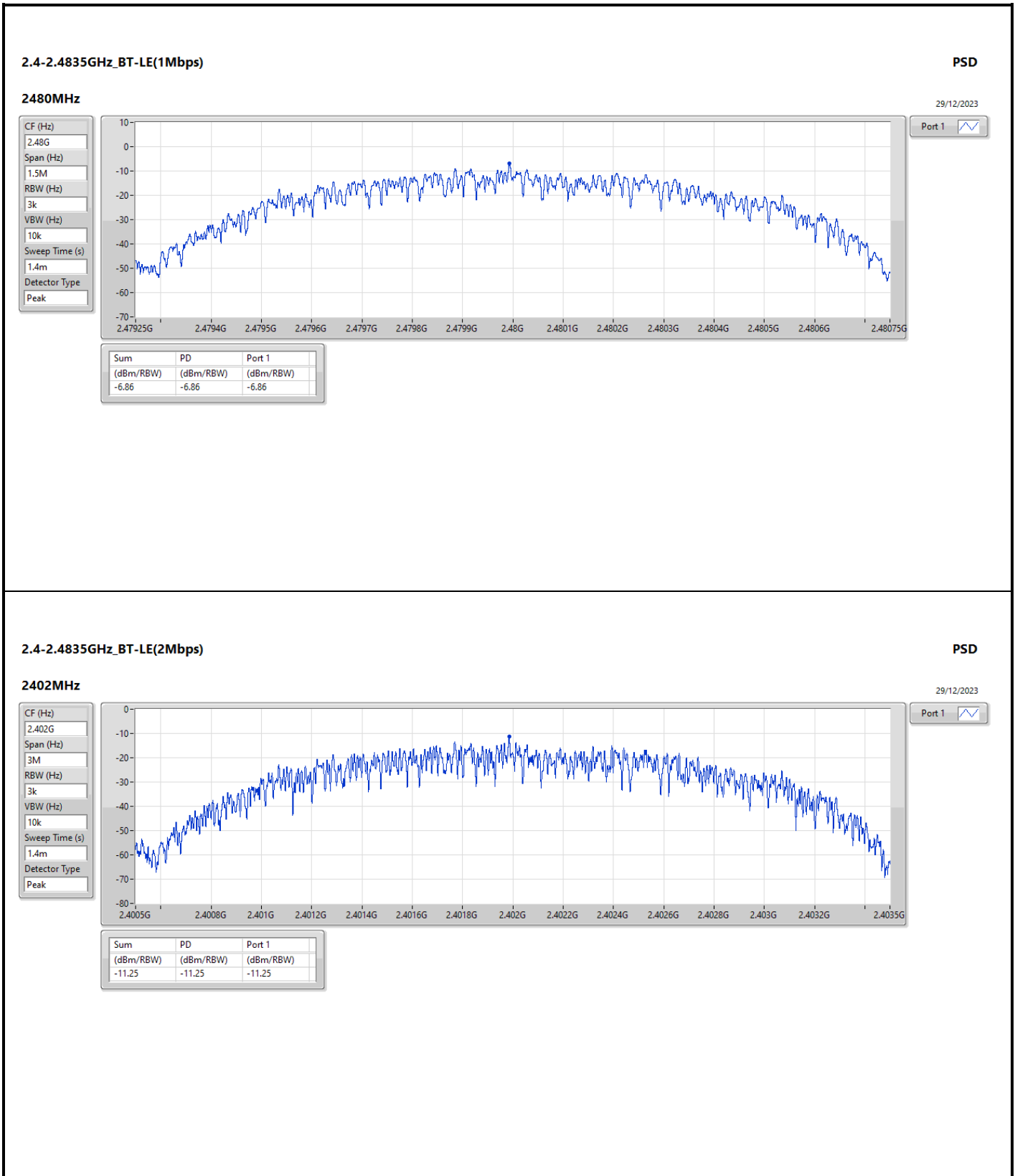


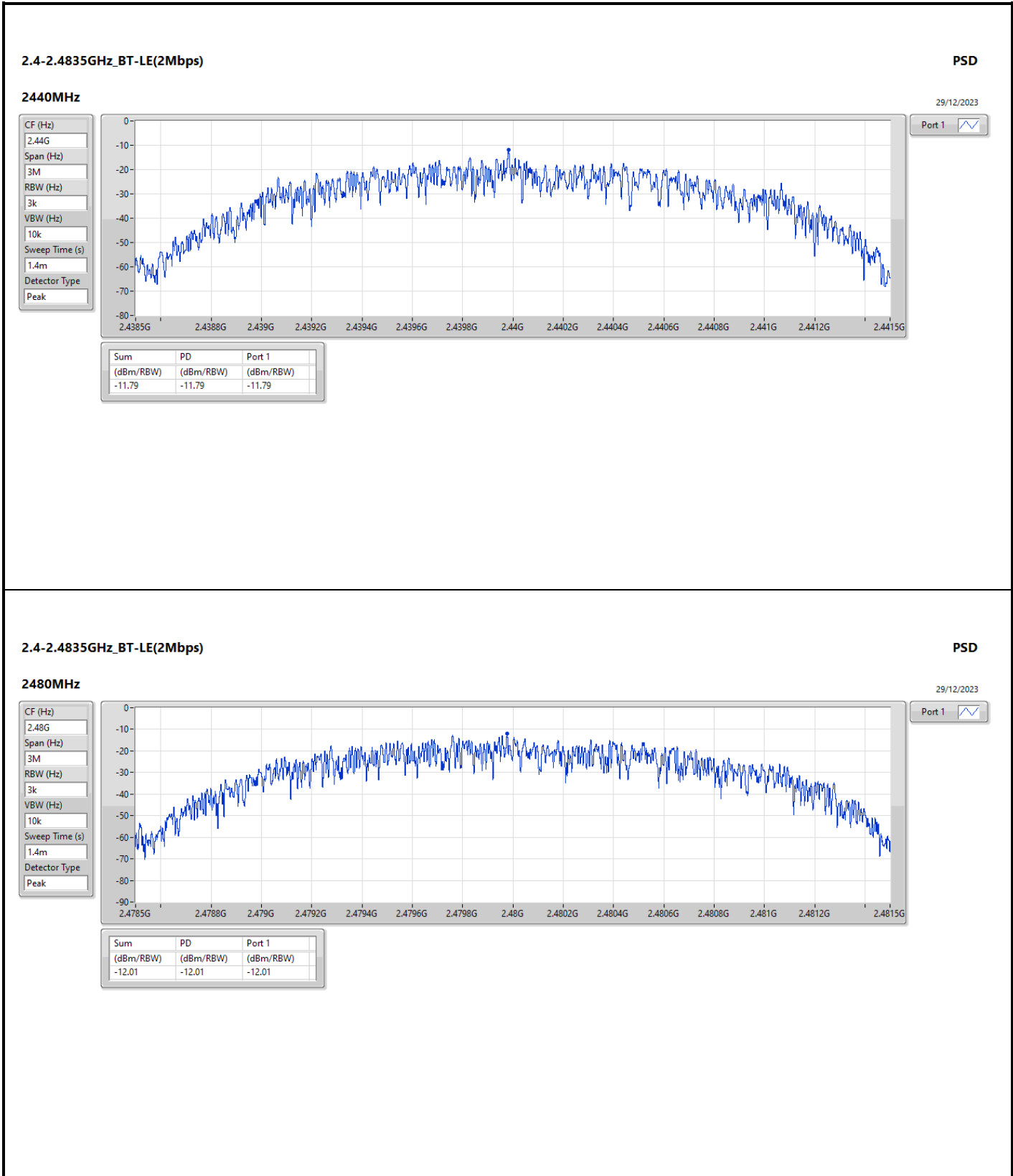
Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.50	-7.68	8.00
2440MHz	Pass	3.50	-7.50	8.00
2480MHz	Pass	3.50	-6.86	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	3.50	-11.25	8.00
2440MHz	Pass	3.50	-11.79	8.00
2480MHz	Pass	3.50	-12.01	8.00

DG = Directional Gain; RBW = 3kHz;  
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;







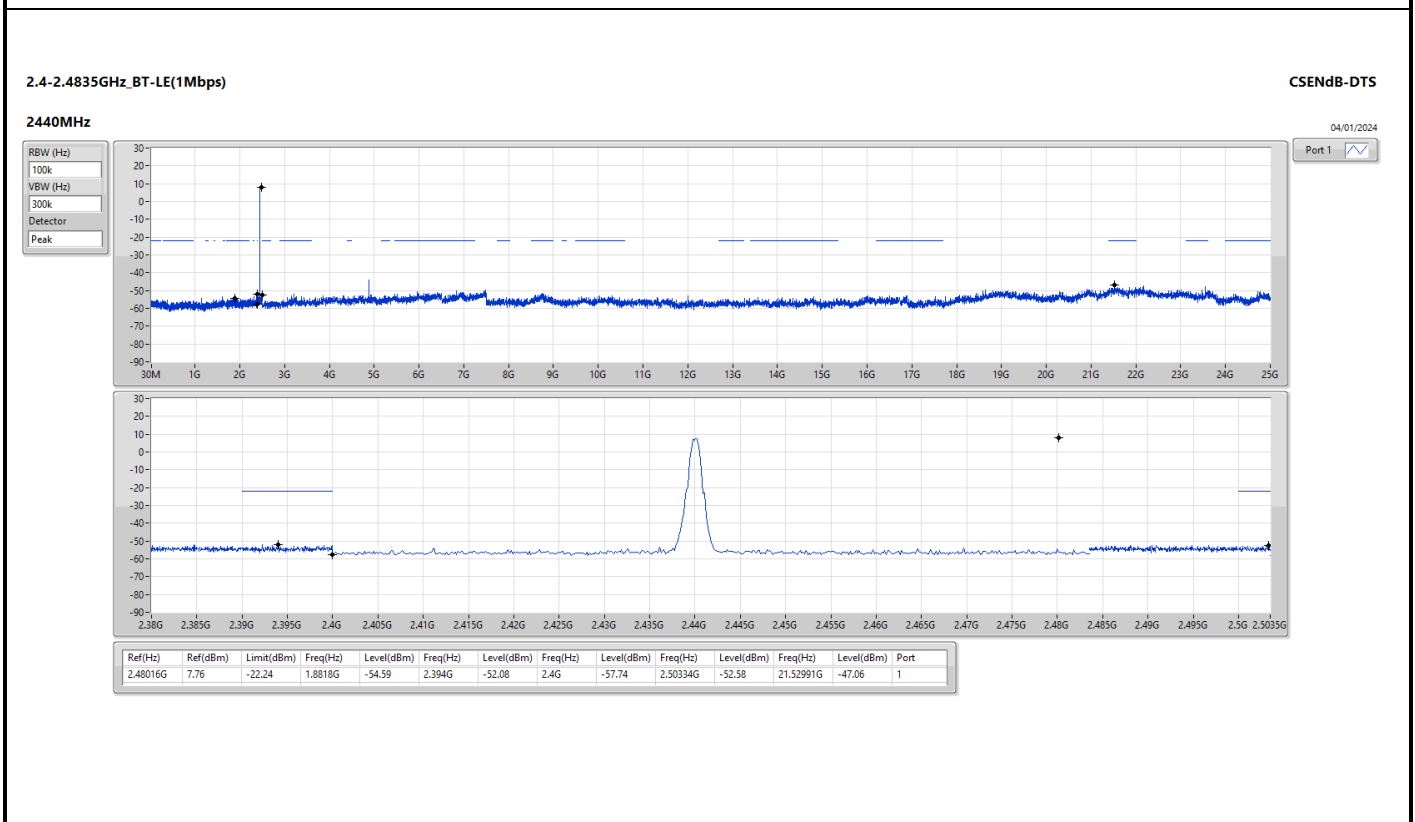
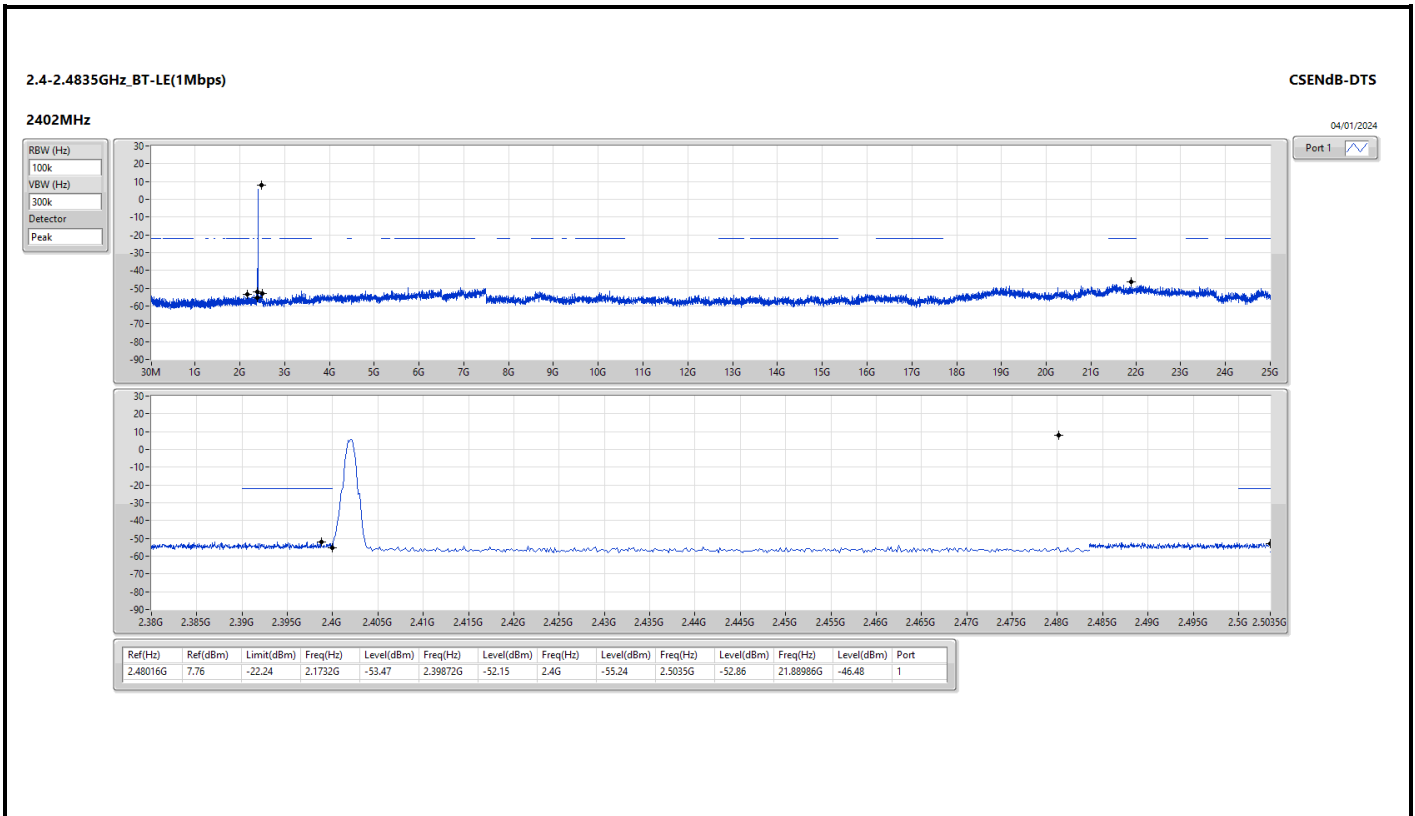


Summary

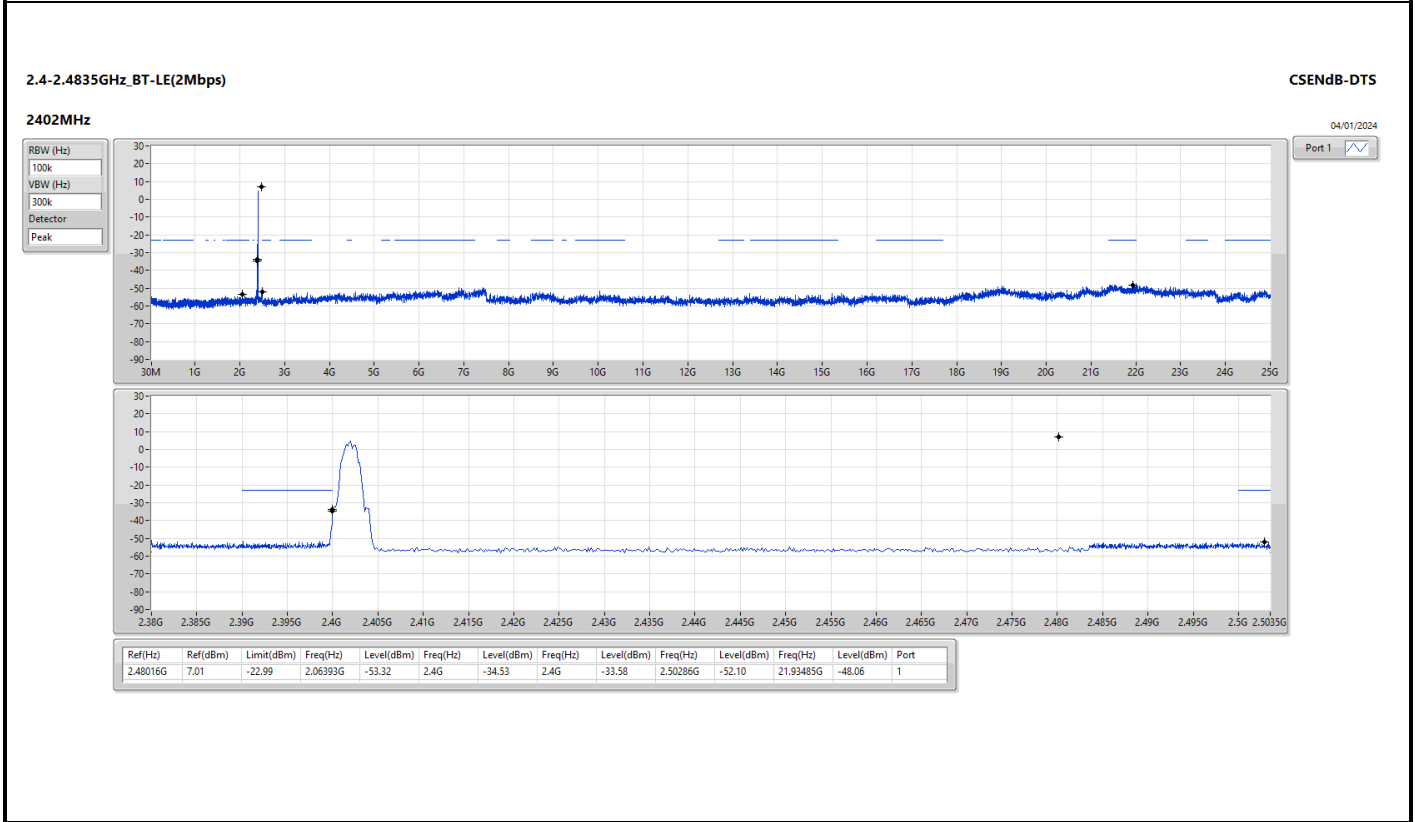
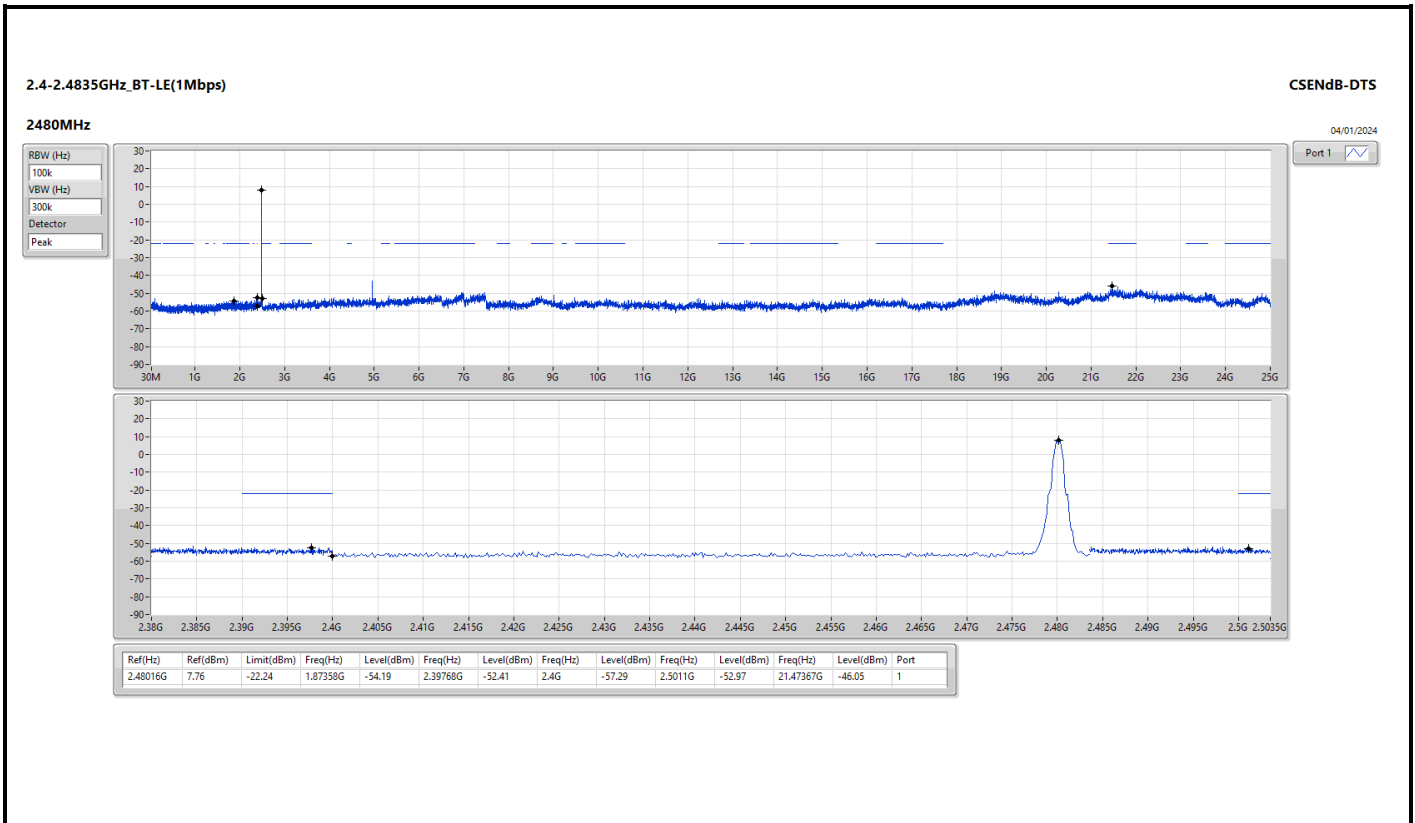
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.48016G	7.76	-22.24	1.8818G	-54.59	2.394G	-52.08	2.4G	-57.74	2.50334G	-52.58	21.52991G	-47.06	1
BT-LE(2Mbps)	Pass	2.48016G	7.01	-22.99	2.06393G	-53.32	2.4G	-34.53	2.4G	-33.58	2.50286G	-52.10	21.93485G	-48.06	1

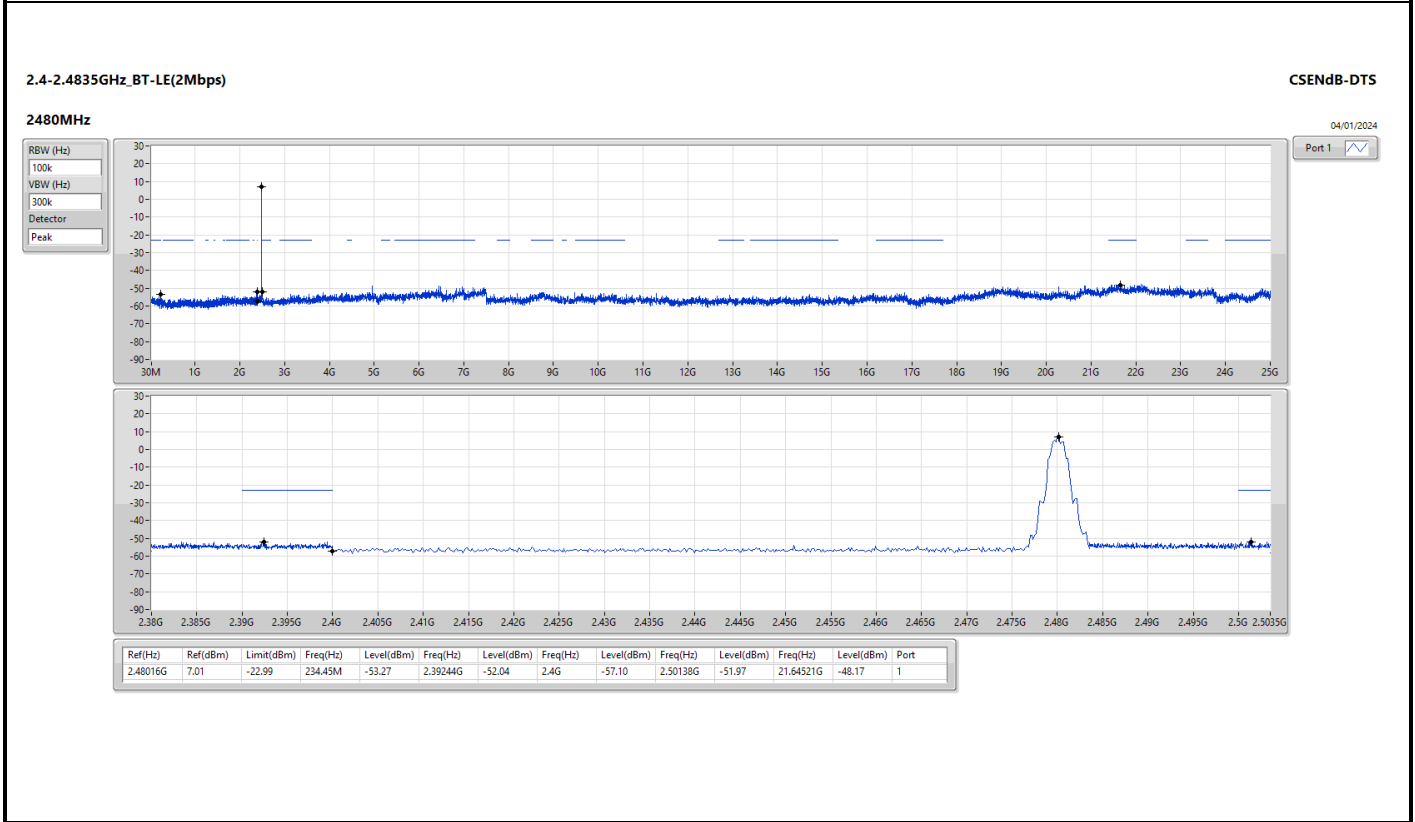
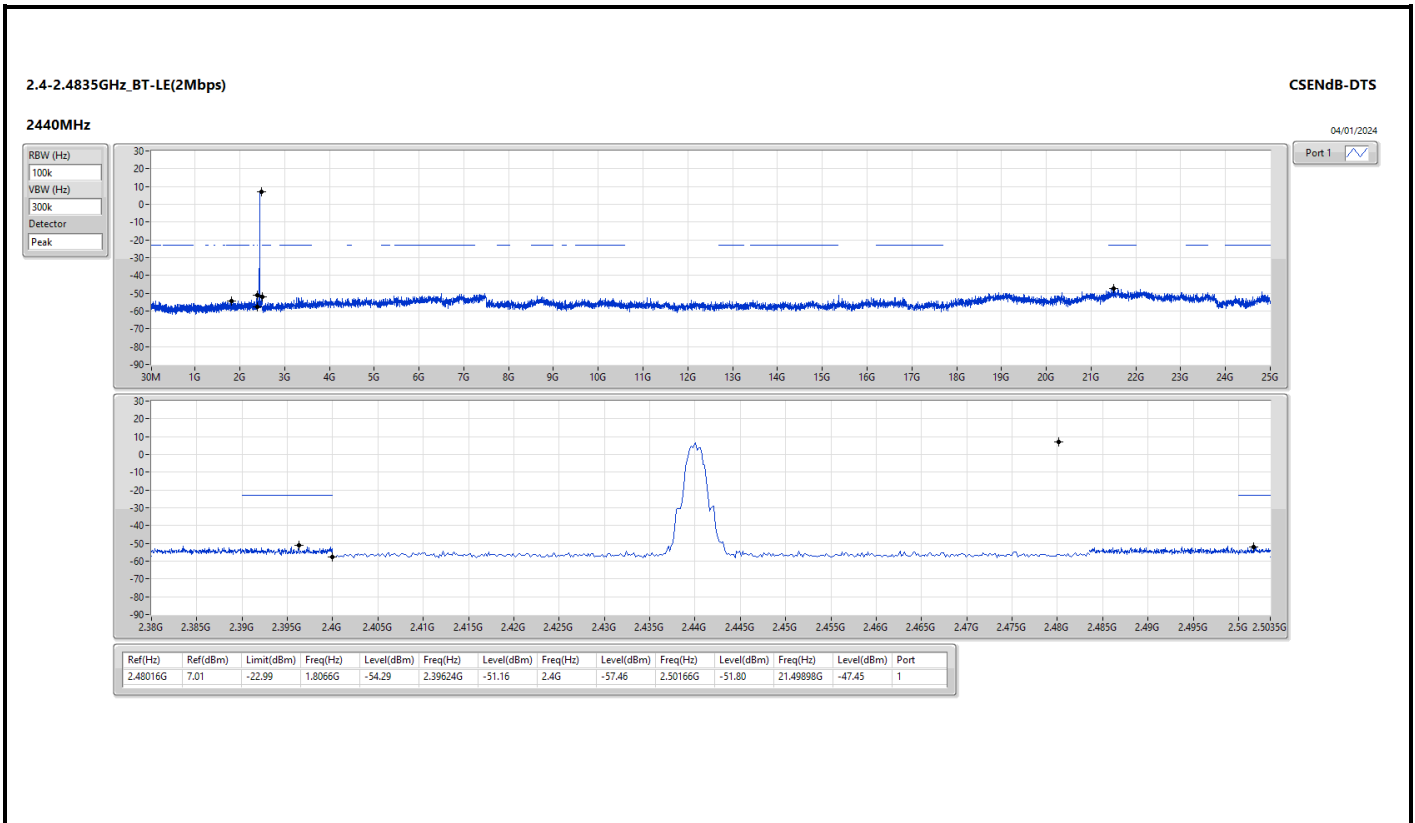
**Result**

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	2.48016G	7.76	-22.24	2.1732G	-53.47	2.39872G	-52.15	2.4G	-55.24	2.5035G	-52.86	21.88986G	-46.48	1
2440MHz	Pass	2.48016G	7.76	-22.24	1.8818G	-54.59	2.394G	-52.08	2.4G	-57.74	2.50334G	-52.58	21.52991G	-47.06	1
2480MHz	Pass	2.48016G	7.76	-22.24	1.87358G	-54.19	2.39768G	-52.41	2.4G	-57.29	2.5011G	-52.97	21.47367G	-46.05	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.48016G	7.01	-22.99	2.06393G	-53.32	2.4G	-34.53	2.4G	-33.58	2.50286G	-52.10	21.93485G	-48.06	1
2440MHz	Pass	2.48016G	7.01	-22.99	1.8066G	-54.29	2.39624G	-51.16	2.4G	-57.46	2.50166G	-51.80	21.49898G	-47.45	1
2480MHz	Pass	2.48016G	7.01	-22.99	234.45M	-53.27	2.39244G	-52.04	2.4G	-57.10	2.50138G	-51.97	21.64521G	-48.17	1







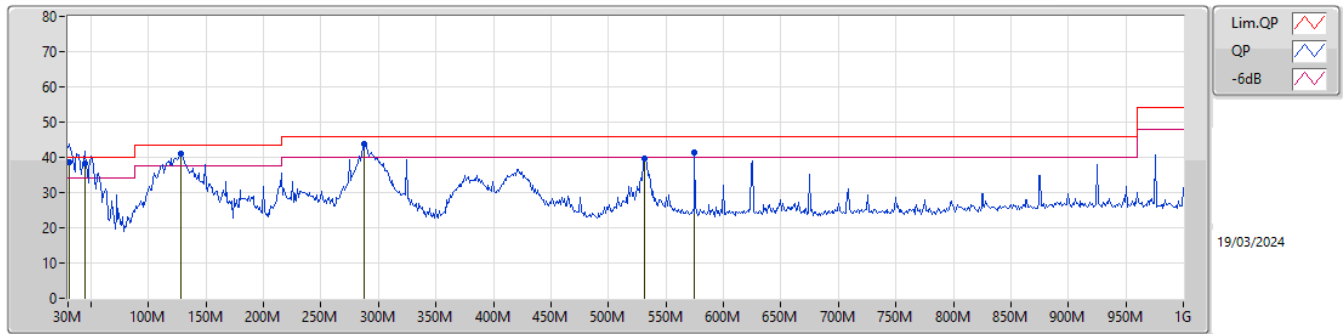




**Summary**

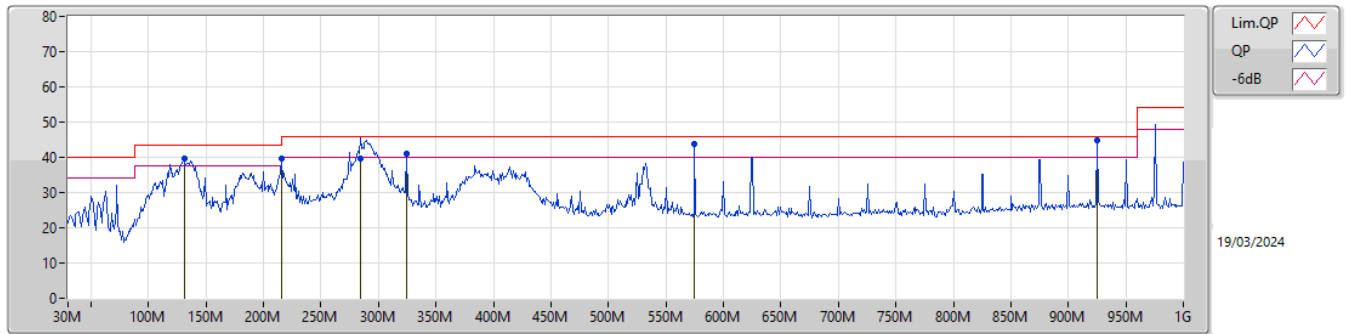
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	925.31M	44.99	46.00	-1.01	Horizontal

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
QP	30.97M	38.68	40.00	-1.32	-7.77	3	Vertical	89	1.50	"Worst"	46.45	23.07	0.34	31.18
QP	44.55M	38.27	40.00	-1.73	-14.85	3	Vertical	236	1.00	-	53.12	16.17	0.45	31.47
PK	127.97M	41.06	43.50	-2.44	-12.19	3	Vertical	107	1.25	-	53.25	18.53	1.00	31.72
PK	288.02M	43.82	46.00	-2.18	-11.29	3	Vertical	129	1.00	-	55.11	18.91	1.63	31.83
PK	531.49M	39.53	46.00	-6.47	-5.90	3	Vertical	207	1.25	-	45.43	23.93	2.27	32.10
PK	575.14M	41.35	46.00	-4.65	-5.23	3	Vertical	216	1.25	-	46.58	24.54	2.38	32.15

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	130.88M	39.68	43.50	-3.82	-12.55	3	Horizontal	316	3.00	-	52.23	18.17	1.02	31.74
PK	215.27M	39.59	43.50	-3.91	-15.58	3	Horizontal	282	1.00	-	55.17	14.89	1.32	31.79
QP	284.14M	39.52	46.00	-6.48	-11.36	3	Horizontal	240	1.00	-	50.88	18.86	1.61	31.83
PK	324.88M	40.95	46.00	-5.05	-10.64	3	Horizontal	250	1.25	-	51.59	19.45	1.73	31.82
PK	575.14M	43.78	46.00	-2.22	-5.23	3	Horizontal	180	2.00	-	49.01	24.54	2.38	32.15
QP	925.31M	44.99	46.00	-1.01	-2.38	3	Horizontal	235	1.00	"Worst"	47.37	26.72	3.14	32.24

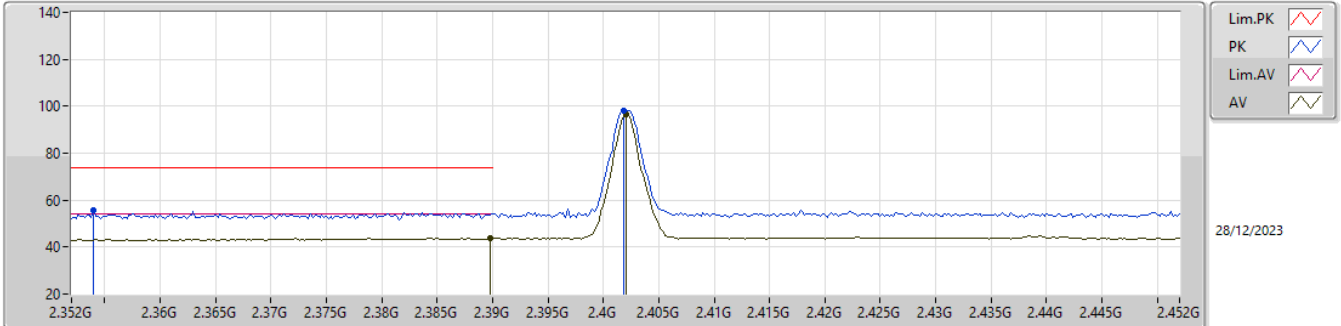


Summary

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(2Mbps)	Pass	AV	2.4835G	50.22	54.00	-3.78	3	Horizontal	341	2.36	-

2.4-2.4835GHz\_BT-LE(1Mbps)

2402MHz\_TX

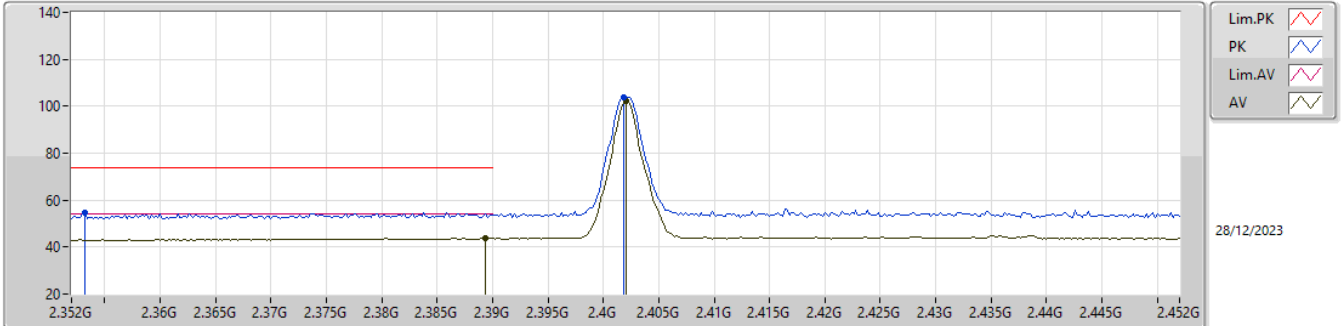


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	2.354G	55.50	74.00	-18.50	24.26	3	Vertical	265	1.78	-	28.20	3.04	-
AV	2.3898G	43.92	54.00	-10.08	12.47	3	Vertical	265	1.78	-	28.40	3.05	-
PK	2.4018G	98.26	Inf	-Inf	66.80	3	Vertical	265	1.78	-	28.40	3.06	-
AV	2.402G	96.69	Inf	-Inf	65.23	3	Vertical	265	1.78	-	28.40	3.06	-

2.4-2.4835GHz\_BT-LE(1Mbps)

2402MHz\_TX



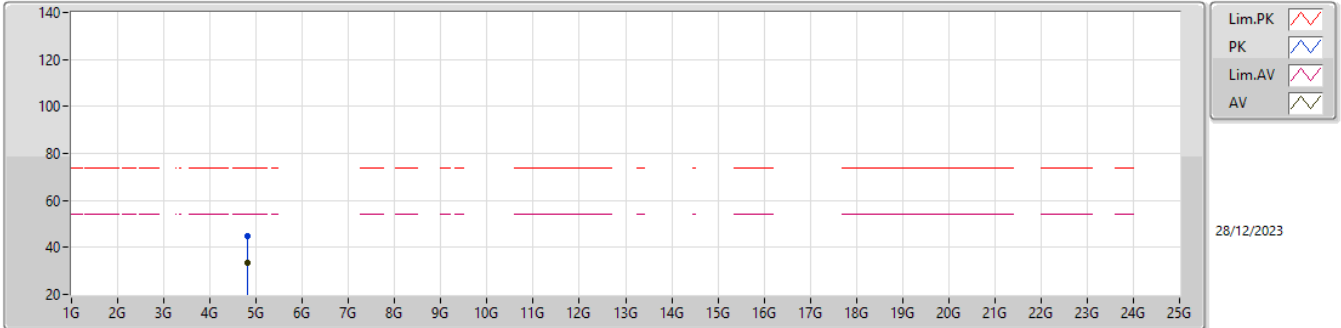
EUT\_Y\_TX  
Setting default  
02-E-G-4

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	2.3532G	54.79	74.00	-19.21	23.55	3	Horizontal	349	2.22	-	28.20	3.04	-
AV	2.3894G	43.79	54.00	-10.21	12.34	3	Horizontal	349	2.22	-	28.40	3.05	-
PK	2.4018G	104.03	Inf	-Inf	72.57	3	Horizontal	349	2.22	-	28.40	3.06	-
AV	2.402G	102.45	Inf	-Inf	70.99	3	Horizontal	349	2.22	-	28.40	3.06	-



2.4-2.4835GHz\_BT-LE(1Mbps)

2402MHz\_TX

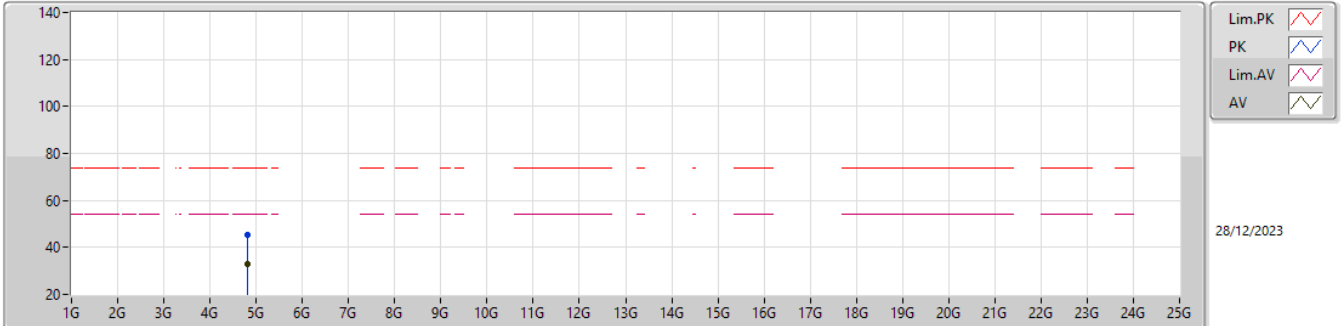


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	4.80584G	44.80	74.00	-29.20	37.56	3	Vertical	10	2.50	-	32.84	5.09	30.69
AV	4.80602G	33.35	54.00	-20.65	26.11	3	Vertical	10	2.50	-	32.84	5.09	30.69

2.4-2.4835GHz\_BT-LE(1Mbps)

2402MHz\_TX

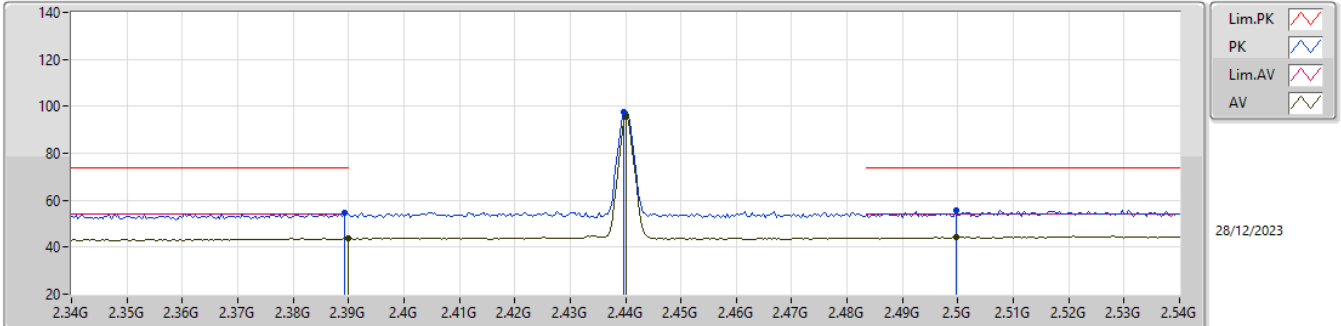


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	4.80398G	45.52	74.00	-28.48	38.30	3	Horizontal	157	1.94	-	32.82	5.09	30.69
AV	4.80334G	32.98	54.00	-21.02	25.76	3	Horizontal	157	1.94	-	32.82	5.09	30.69

2.4-2.4835GHz\_BT-LE(1Mbps)

2440MHz\_TX

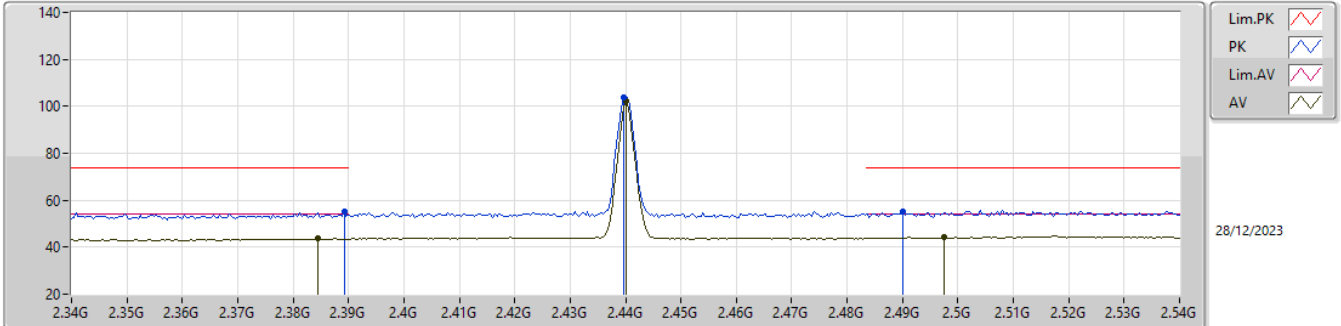


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	2.3892G	54.52	74.00	-19.48	23.07	3	Vertical	311	1.15	-	28.40	3.05	-
AV	2.39G	43.68	54.00	-10.32	12.22	3	Vertical	311	1.15	-	28.40	3.06	-
PK	2.4396G	97.51	Inf	-Inf	66.03	3	Vertical	311	1.15	-	28.40	3.08	-
AV	2.44G	95.87	Inf	-Inf	64.39	3	Vertical	311	1.15	-	28.40	3.08	-
PK	2.4996G	55.89	74.00	-18.11	24.19	3	Vertical	311	1.15	-	28.60	3.10	-
AV	2.4996G	44.26	54.00	-9.74	12.56	3	Vertical	311	1.15	-	28.60	3.10	-

2.4-2.4835GHz\_BT-LE(1Mbps)

2440MHz\_TX

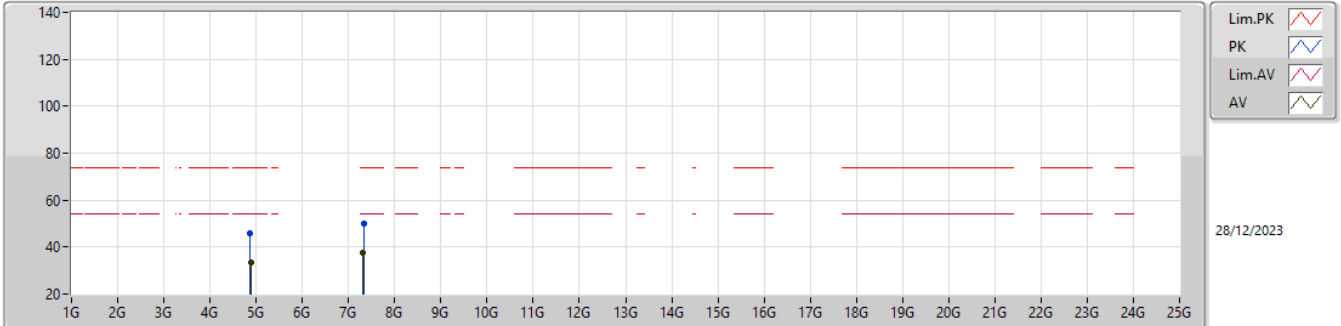


EUT\_Y\_TX  
Setting default  
02-E-G-4

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	2.3892G	55.10	74.00	-18.90	23.65	3	Horizontal	345	2.18	-	28.40	3.05	-
AV	2.3844G	43.79	54.00	-10.21	12.34	3	Horizontal	345	2.18	-	28.40	3.05	-
PK	2.4396G	103.60	Inf	-Inf	72.12	3	Horizontal	345	2.18	-	28.40	3.08	-
AV	2.44G	102.03	Inf	-Inf	70.55	3	Horizontal	345	2.18	-	28.40	3.08	-
PK	2.49G	55.02	74.00	-18.98	23.42	3	Horizontal	345	2.18	-	28.50	3.10	-
AV	2.4976G	44.18	54.00	-9.82	12.50	3	Horizontal	345	2.18	-	28.58	3.10	-

2.4-2.4835GHz\_BT-LE(1Mbps)

2440MHz\_TX

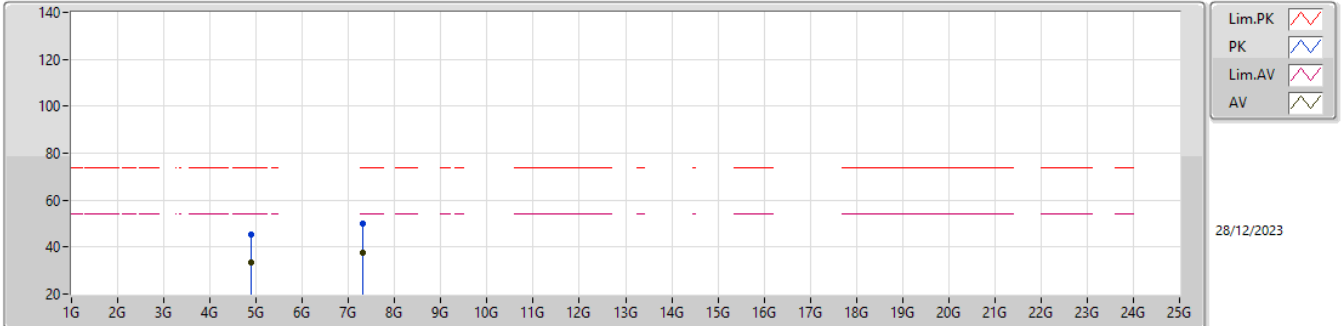


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	4.87576G	45.72	74.00	-28.28	38.10	3	Vertical	94	2.82	-	33.15	5.11	30.64
AV	4.8776G	33.46	54.00	-20.54	25.83	3	Vertical	94	2.82	-	33.16	5.11	30.64
PK	7.32464G	49.95	74.00	-24.05	38.90	3	Vertical	351	1.39	-	36.65	6.52	32.12
AV	7.31986G	37.55	54.00	-16.45	26.51	3	Vertical	351	1.39	-	36.64	6.52	32.12

2.4-2.4835GHz\_BT-LE(1Mbps)

2440MHz\_TX

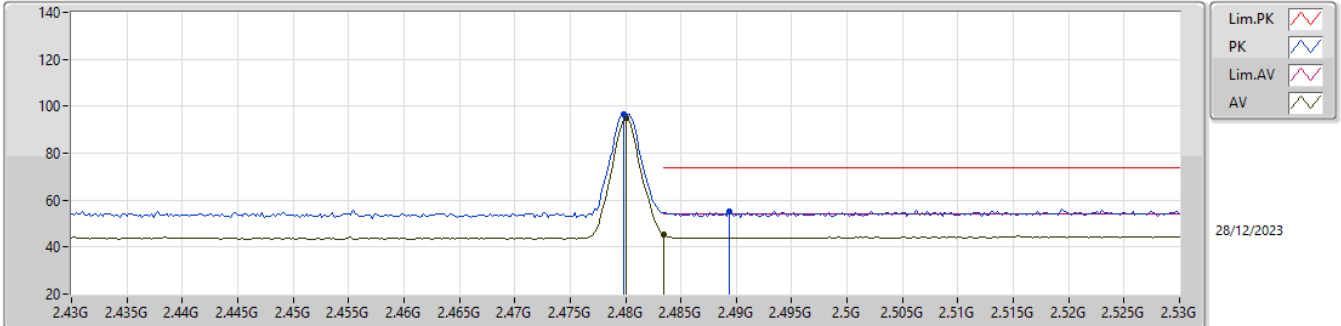


EUT\_Y\_1TX  
 Setting default  
 02-E-G-4

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	4.87826G	45.44	74.00	-28.56	37.81	3	Horizontal	252	2.13	-	33.16	5.11	30.64
AV	4.88286G	33.61	54.00	-20.39	25.97	3	Horizontal	252	2.13	-	33.17	5.11	30.64
PK	7.32G	49.96	74.00	-24.04	38.92	3	Horizontal	19	2.03	-	36.64	6.52	32.12
AV	7.32G	37.74	54.00	-16.26	26.70	3	Horizontal	19	2.03	-	36.64	6.52	32.12

2.4-2.4835GHz\_BT-LE(1Mbps)

2480MHz\_TX

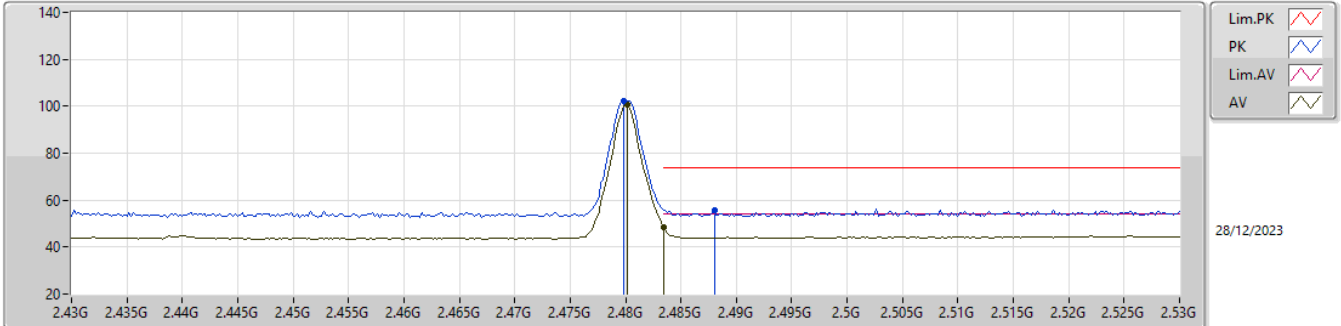


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	2.4798G	96.47	Inf	-Inf	64.88	3	Vertical	147	1.84	-	28.50	3.09	-
AV	2.48G	94.96	Inf	-Inf	63.37	3	Vertical	147	1.84	-	28.50	3.09	-
PK	2.4894G	54.96	74.00	-19.04	23.36	3	Vertical	147	1.84	-	28.50	3.10	-
AV	2.4835G	45.29	54.00	-8.71	13.70	3	Vertical	147	1.84	-	28.50	3.09	-

2.4-2.4835GHz\_BT-LE(1Mbps)

2480MHz\_TX



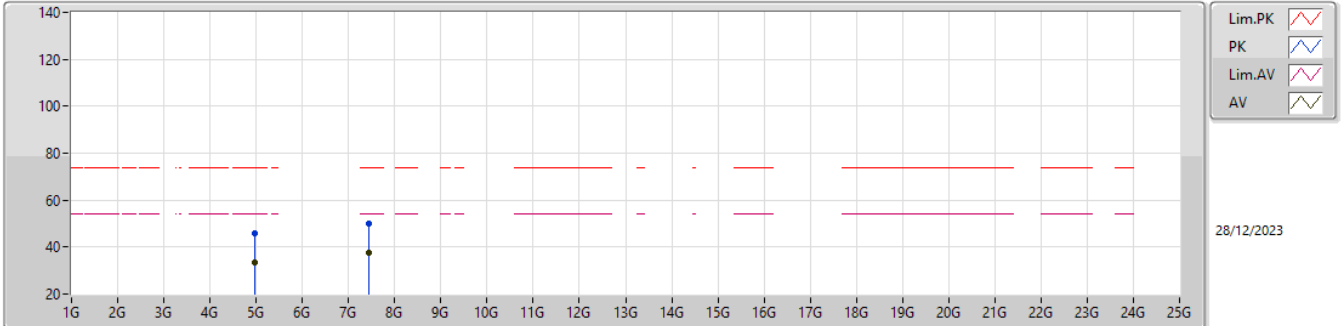
EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	2.4798G	102.35	Inf	-Inf	70.76	3	Horizontal	342	2.36	-	28.50	3.09	-
AV	2.4802G	100.78	Inf	-Inf	69.19	3	Horizontal	342	2.36	-	28.50	3.09	-
PK	2.488G	55.80	74.00	-18.20	24.20	3	Horizontal	342	2.36	-	28.50	3.10	-
AV	2.4835G	48.67	54.00	-5.33	17.08	3	Horizontal	342	2.36	-	28.50	3.09	-



2.4-2.4835GHz\_BT-LE(1Mbps)

2480MHz\_TX

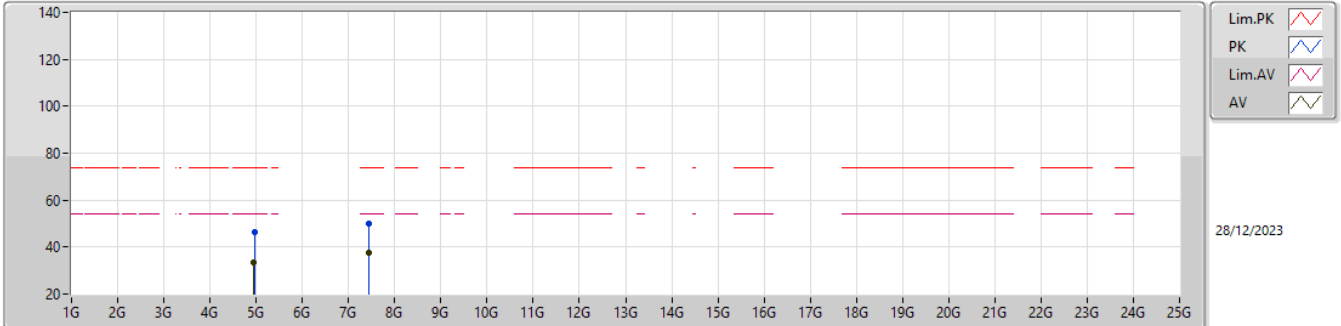


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	4.96372G	45.61	74.00	-28.39	37.72	3	Vertical	63	2.60	-	33.33	5.14	30.58
AV	4.95888G	33.60	54.00	-20.40	25.73	3	Vertical	63	2.60	-	33.32	5.14	30.59
PK	7.44272G	49.81	74.00	-24.19	38.72	3	Vertical	244	2.17	-	36.70	6.58	32.19
AV	7.43736G	37.77	54.00	-16.23	26.67	3	Vertical	244	2.17	-	36.70	6.58	32.18

2.4-2.4835GHz\_BT-LE(1Mbps)

2480MHz\_TX

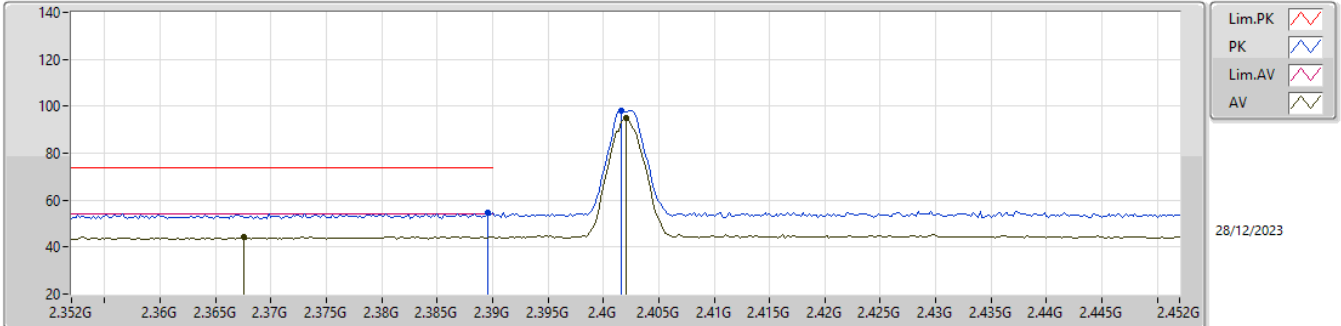


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	4.9583G	46.22	74.00	-27.78	38.35	3	Horizontal	325	1.49	-	33.32	5.14	30.59
AV	4.95548G	33.42	54.00	-20.58	25.56	3	Horizontal	325	1.49	-	33.31	5.14	30.59
PK	7.44112G	49.85	74.00	-24.15	38.76	3	Horizontal	308	1.82	-	36.70	6.58	32.19
AV	7.44376G	37.71	54.00	-16.29	26.62	3	Horizontal	308	1.82	-	36.70	6.58	32.19

2.4-2.4835GHz\_BT-LE(2Mbps)

2402MHz\_TX

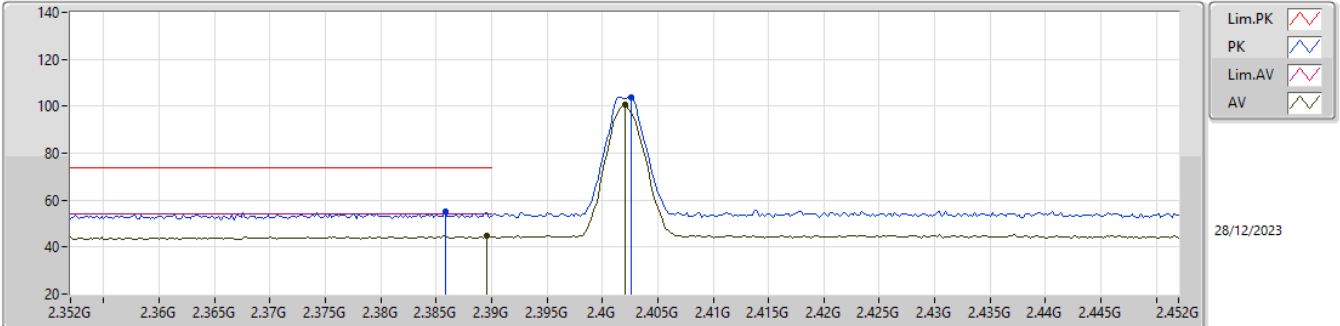


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	2.3896G	54.59	74.00	-19.41	23.14	3	Vertical	265	1.80	-	28.40	3.05	-
AV	2.3676G	44.56	54.00	-9.44	13.24	3	Vertical	265	1.80	-	28.28	3.04	-
PK	2.4016G	98.25	Inf	-Inf	66.79	3	Vertical	265	1.80	-	28.40	3.06	-
AV	2.402G	95.09	Inf	-Inf	63.63	3	Vertical	265	1.80	-	28.40	3.06	-

2.4-2.4835GHz\_BT-LE(2Mbps)

2402MHz\_TX

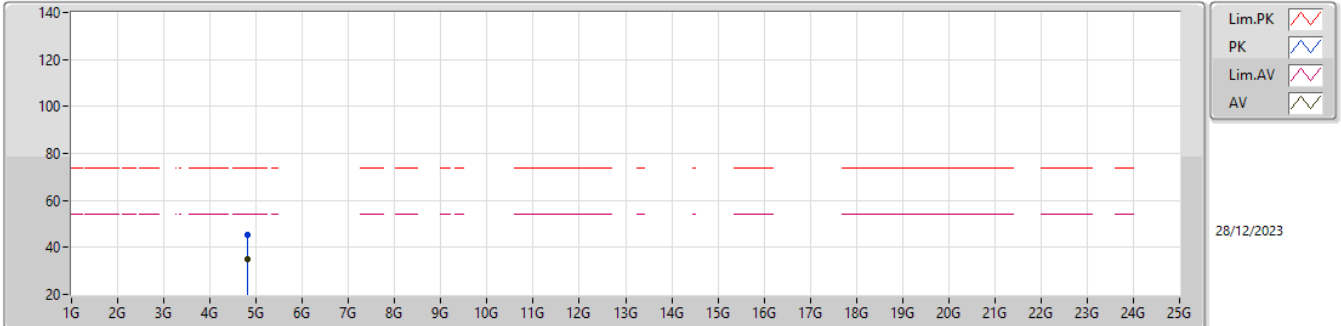


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	2.3858G	55.28	74.00	-18.72	23.83	3	Horizontal	347	2.22	-	28.40	3.05	-
AV	2.3896G	44.88	54.00	-9.12	13.43	3	Horizontal	347	2.22	-	28.40	3.05	-
PK	2.4026G	103.79	Inf	-Inf	72.33	3	Horizontal	347	2.22	-	28.40	3.06	-
AV	2.402G	100.62	Inf	-Inf	69.16	3	Horizontal	347	2.22	-	28.40	3.06	-

2.4-2.4835GHz\_BT-LE(2Mbps)

2402MHz\_TX

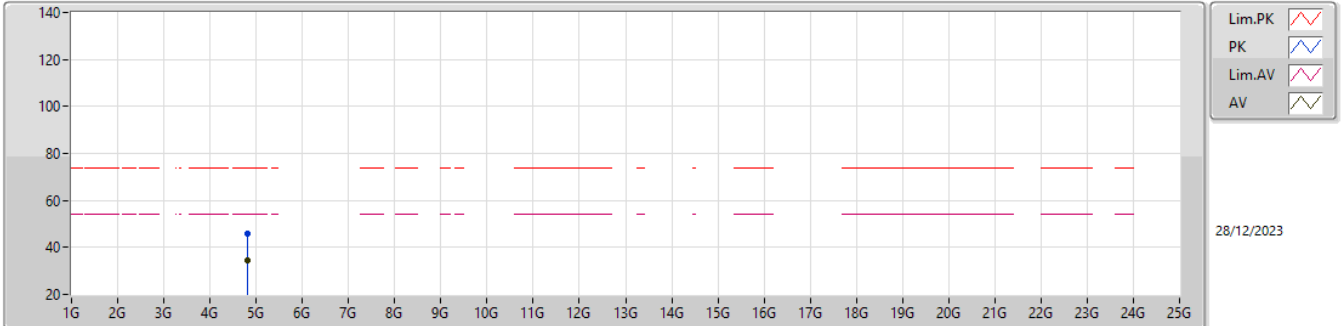


EUT Y\_1TX  
 Setting default  
 02-E-G-4

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	4.8012G	45.38	74.00	-28.62	38.17	3	Vertical	249	2.02	-	32.81	5.09	30.69
AV	4.80174G	34.78	54.00	-19.22	27.57	3	Vertical	249	2.02	-	32.81	5.09	30.69

2.4-2.4835GHz\_BT-LE(2Mbps)

2402MHz\_TX

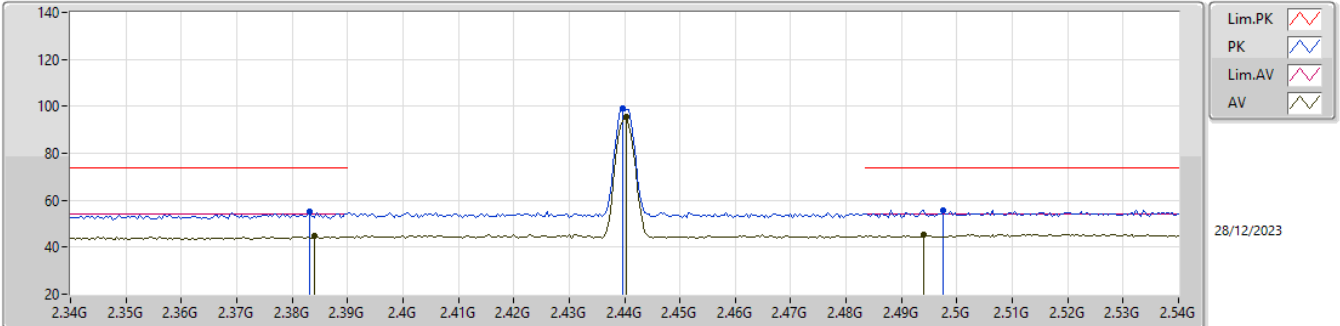


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	4.80882G	45.64	74.00	-28.36	38.39	3	Horizontal	210	1.85	-	32.85	5.09	30.69
AV	4.80196G	34.53	54.00	-19.47	27.32	3	Horizontal	210	1.85	-	32.81	5.09	30.69

2.4-2.4835GHz\_BT-LE(2Mbps)

2440MHz\_TX

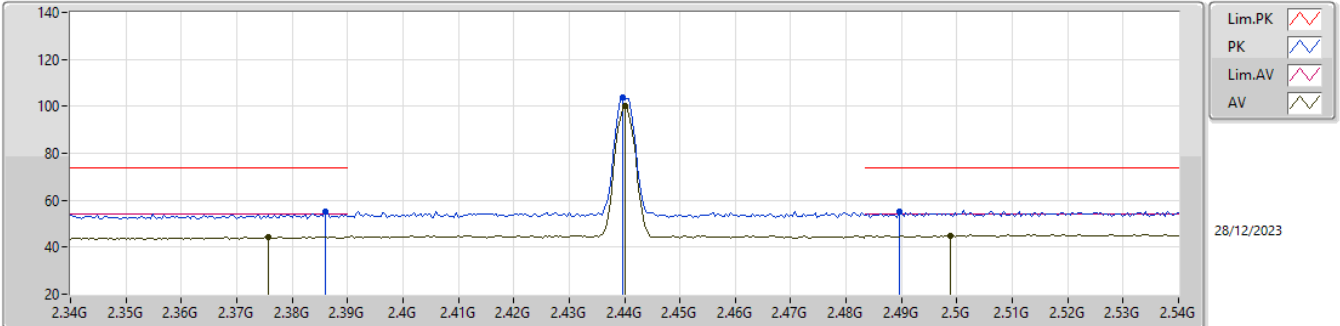


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	2.3832G	54.93	74.00	-19.07	23.48	3	Vertical	312	1.92	-	28.40	3.05	-
AV	2.384G	44.58	54.00	-9.42	13.13	3	Vertical	312	1.92	-	28.40	3.05	-
PK	2.4396G	99.12	Inf	-Inf	67.64	3	Vertical	312	1.92	-	28.40	3.08	-
AV	2.4404G	95.47	Inf	-Inf	63.99	3	Vertical	312	1.92	-	28.40	3.08	-
PK	2.4976G	55.77	74.00	-18.23	24.09	3	Vertical	312	1.92	-	28.58	3.10	-
AV	2.494G	45.17	54.00	-8.83	13.53	3	Vertical	312	1.92	-	28.54	3.10	-

2.4-2.4835GHz\_BT-LE(2Mbps)

2440MHz\_TX



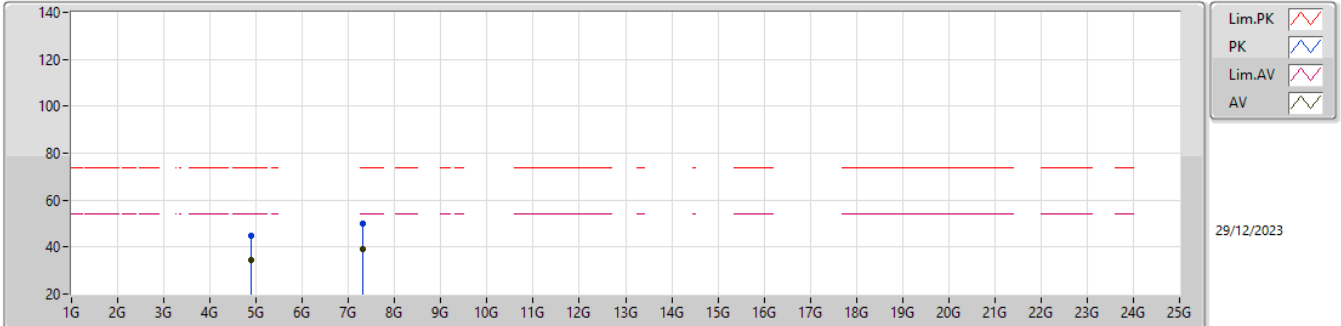
EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	2.386G	55.32	74.00	-18.68	23.87	3	Horizontal	344	2.18	-	28.40	3.05	-
AV	2.3756G	44.36	54.00	-9.64	12.95	3	Horizontal	344	2.18	-	28.36	3.05	-
PK	2.4396G	103.55	Inf	-Inf	72.07	3	Horizontal	344	2.18	-	28.40	3.08	-
AV	2.44G	100.39	Inf	-Inf	68.91	3	Horizontal	344	2.18	-	28.40	3.08	-
PK	2.4896G	55.02	74.00	-18.98	23.42	3	Horizontal	344	2.18	-	28.50	3.10	-
AV	2.4988G	44.92	54.00	-9.08	13.23	3	Horizontal	344	2.18	-	28.59	3.10	-



2.4-2.4835GHz\_BT-LE(2Mbps)

2440MHz\_TX

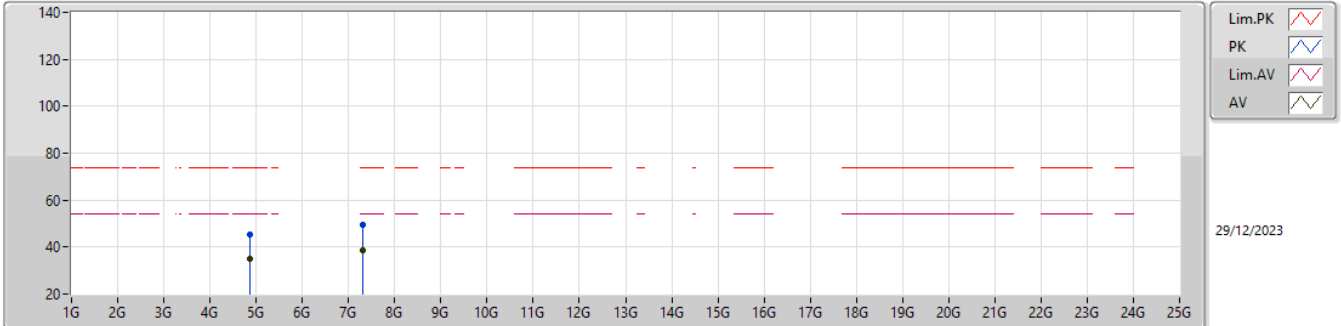


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	4.88236G	44.98	74.00	-29.02	37.35	3	Vertical	219	1.71	-	33.16	5.11	30.64
AV	4.87956G	34.73	54.00	-19.27	27.10	3	Vertical	219	1.71	-	33.16	5.11	30.64
PK	7.31806G	50.05	74.00	-23.95	39.02	3	Vertical	314	3.00	-	36.64	6.51	32.12
AV	7.315982G	39.08	54.00	-14.92	28.06	3	Vertical	314	3.00	-	36.63	6.51	32.12

2.4-2.4835GHz\_BT-LE(2Mbps)

2440MHz\_TX

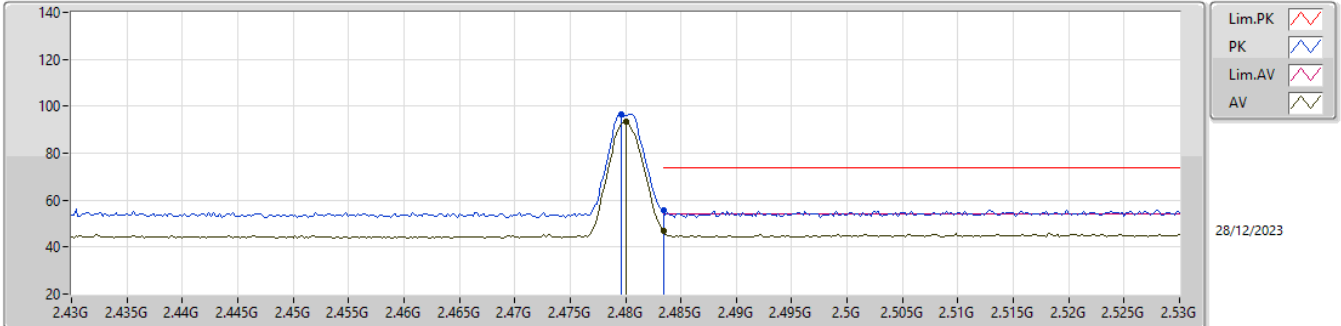


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	4.87602G	45.42	74.00	-28.58	37.80	3	Horizontal	6	1.88	-	33.15	5.11	30.64
AV	4.87686G	34.84	54.00	-19.16	27.22	3	Horizontal	6	1.88	-	33.15	5.11	30.64
PK	7.32032G	49.26	74.00	-24.74	38.22	3	Horizontal	154	2.12	-	36.64	6.52	32.12
AV	7.3219G	38.81	54.00	-15.19	27.77	3	Horizontal	154	2.12	-	36.64	6.52	32.12

2.4-2.4835GHz\_BT-LE(2Mbps)

2480MHz\_TX

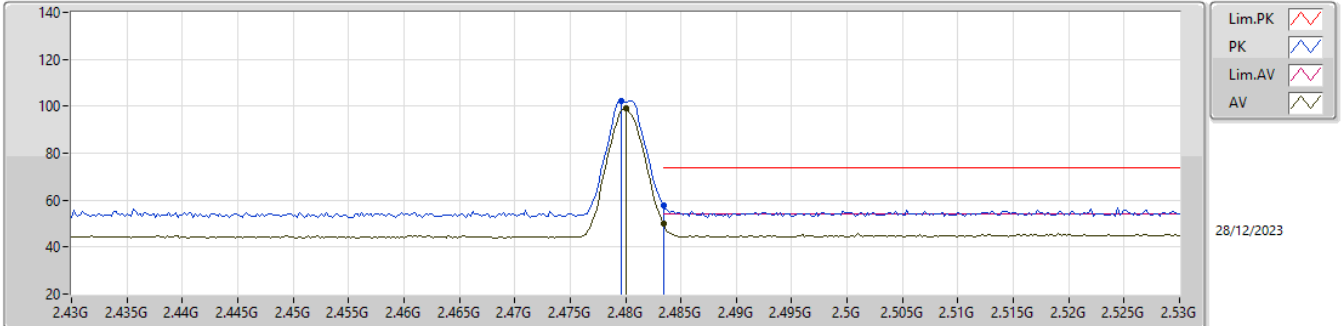


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	2.4796G	96.63	Inf	-Inf	65.04	3	Vertical	148	1.80	-	28.50	3.09	-
AV	2.48G	93.34	Inf	-Inf	61.75	3	Vertical	148	1.80	-	28.50	3.09	-
PK	2.4835G	55.64	74.00	-18.36	24.05	3	Vertical	148	1.80	-	28.50	3.09	-
AV	2.4835G	46.82	54.00	-7.18	15.23	3	Vertical	148	1.80	-	28.50	3.09	-

2.4-2.4835GHz\_BT-LE(2Mbps)

2480MHz\_TX

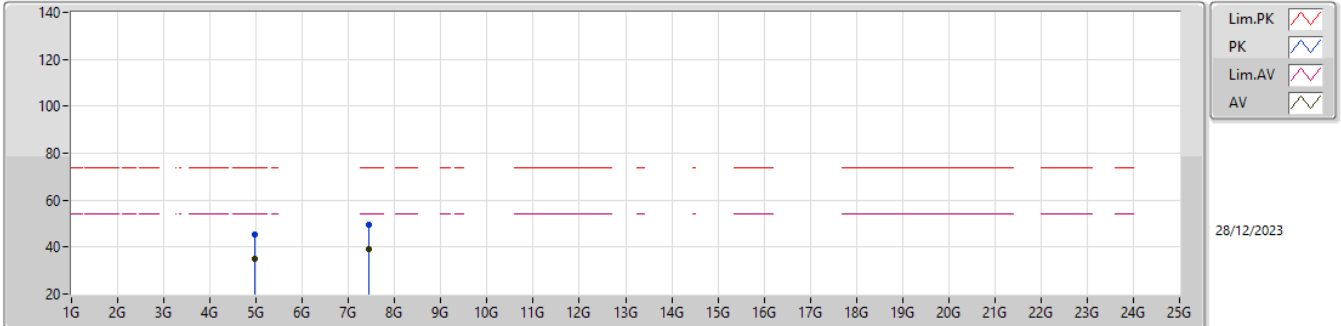


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	2.4796G	102.34	Inf	-Inf	70.75	3	Horizontal	341	2.36	-	28.50	3.09	-
AV	2.48G	99.07	Inf	-Inf	67.48	3	Horizontal	341	2.36	-	28.50	3.09	-
PK	2.4835G	57.73	74.00	-16.27	26.14	3	Horizontal	341	2.36	-	28.50	3.09	-
AV	2.4835G	50.22	54.00	-3.78	18.63	3	Horizontal	341	2.36	-	28.50	3.09	-

2.4-2.4835GHz\_BT-LE(2Mbps)

2480MHz\_TX

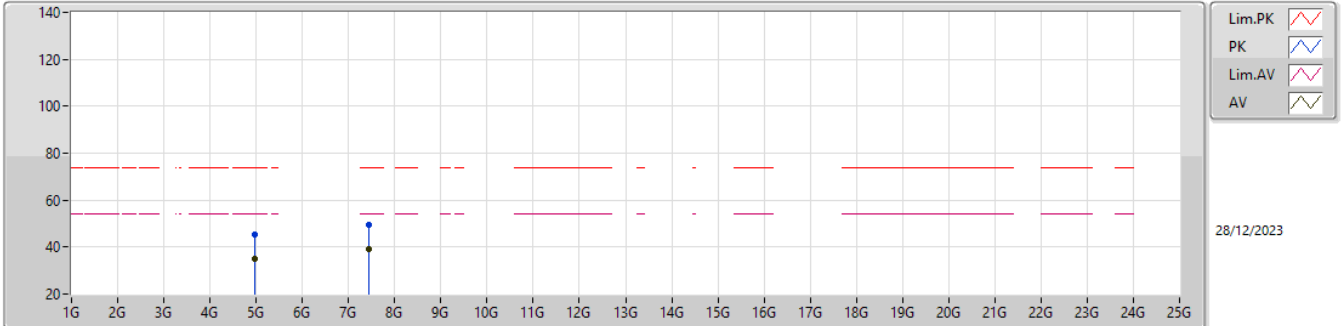


EUT\_Y\_1TX  
Setting default  
02-E-G-4

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	4.96354G	45.12	74.00	-28.88	37.23	3	Vertical	153	2.29	-	33.33	5.14	30.58
AV	4.9609G	34.83	54.00	-19.17	26.96	3	Vertical	153	2.29	-	33.32	5.14	30.59
PK	7.4419G	49.64	74.00	-24.36	38.55	3	Vertical	71	2.31	-	36.70	6.58	32.19
AV	7.44176G	38.90	54.00	-15.10	27.81	3	Vertical	71	2.31	-	36.70	6.58	32.19

2.4-2.4835GHz\_BT-LE(2Mbps)

2480MHz\_TX



EUT\_Y\_1TX  
Setting default  
02-E-G-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	4.9578G	45.57	74.00	-28.43	37.70	3	Horizontal	58	1.30	-	33.32	5.14	30.59
AV	4.9615G	34.81	54.00	-19.19	26.94	3	Horizontal	58	1.30	-	33.32	5.14	30.59
PK	7.43822G	49.58	74.00	-24.42	38.49	3	Horizontal	202	2.64	-	36.70	6.58	32.19
AV	7.4408G	38.96	54.00	-15.04	27.87	3	Horizontal	202	2.64	-	36.70	6.58	32.19