

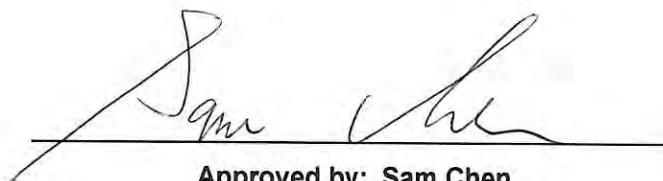


# RADIO TEST REPORT

**FCC ID** : WR932181716523  
**Equipment** : Video doorbell  
**Brand Name** : ecobee  
**Model Name** : EB-CAMSDB-01  
**Applicant** : Ecobee Incorporated  
25, Dockside Drive Suite 700, Toronto, Canada,  
M5A0B5  
**Standard** : 47 CFR FCC Part 15.247

The product was received on Jul. 10, 2023, and testing was started from Jul. 21, 2023 and completed on Aug. 07, 2023. 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.)



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**Photographs of EUT v01**





## 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)	20dB Bandwidth	PASS	-
3.2	15.247(a)	Carrier Frequency Separation	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(a)	Number of Hopping Frequencies and Hopping Band edge	PASS	-
3.5	15.247(a)	Time of Occupancy (Dwell Time)	PASS	-
3.6	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.7	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/manufacturer 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 Version	Ch. Frequency (MHz)	Channel Number
2400-2483.5	BR / EDR	2402-2480	0-78 [79]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-BR(1Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(2Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(3Mbps)	1	1TX

Note:

- ◆ Bluetooth BR uses a GFSK (1Mbps).
- ◆ Bluetooth EDR uses a combination of  $\pi/4$ -DQPSK (2Mbps) and 8DPSK (3Mbps).
- ◆ Bluetooth BR/EDR uses as a system using FHSS modulation.
- ◆ BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN / Bluetooth	Thread	Sub-G					
1	1	-	-	PSA	RFMTA160900NNLB001	PIFA	N/A	Note 1
2	-	1	-	PSA	RFPCA361205IMAB401	PIFA	I-PEX	
3	-	-	1	PSA	RFMTA341100NNUB001	PIFA	N/A	

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
4	Socionext	SC1233AR3	Chip	N/A	2

Note 1:

Ant.	Antenna Gain (dBi)				
	WLAN		Bluetooth	Thread	Sub-G
	2.4GHz	5GHz			
1	2.81	4.99	2.81	-	-
2	-	-	-	3.00	-
3	-	-	-	-	1.66

Note 2: The above information was declared by manufacturer.

Note 3: For 2.4GHz function:

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

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

For 5GHz function:

For IEEE 802.11a/n/ac (1TX/1RX):

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

For bluetooth function (1TX/1RX):

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

For Thread function (1TX/1RX):

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

For Sub-G function (1TX/1RX):

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

For 24GHz function (1TX/2RX):

Only Ant. 4 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-BR(1Mbps)	0.771	1.13	2.891m	1k
BT-EDR(2Mbps)	0.828	0.82	2.891m	1k
BT-EDR(3Mbps)	0.829	0.81	2.893m	1k

Note:

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

**1.1.4 EUT Operational Condition**

<b>EUT Power Type</b>	From host system (16~24 Vac)
<b>Test Software Version</b>	Tera Tern Ver:4.75





### 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

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	TH01-CB	Jay Lo	23.1~24.5 / 68~72	Jul. 31, 2023~ Aug. 04, 2023
Radiated < 1GHz	03CH05-CB	George Fan	22.9~23.6 / 60~63	Jul. 31, 2023~ Aug. 03, 2023
Radiated > 1GHz	03CH04-CB	George Fan	22~23 / 55~58	Jul. 21, 2023~ Jul. 26, 2023
	03CH06-CB		21.7~22.8 / 56~59	
AC Conduction	CO01-CB	Ryan Huang	22~23 / 56~57	Aug. 07, 2023

### 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	Power Setting
BT-BR(1Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default
BT-EDR(2Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default
BT-EDR(3Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default

### 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_WLAN 2.4GHz + Thread + 24GHz radar
2	EUT_WLAN 5GHz + Thread + 24GHz radar
3	EUT_Bluetooth + Thread + 24GHz radar
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4~5 will follow this same test mode.	
4	EUT_Bluetooth + Sub-G (Hopping mode) + 24GHz radar
5	EUT_Bluetooth + Sub-G (Hybrid mode) + 24GHz radar
For operating, mode 3 is the worst case and it was record in this test report.	



The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	20dB Bandwidth Carrier Frequency Separation Maximum Conducted Output Power Number of Hopping Frequencies Hopping Bandedge Time of Occupancy (Dwell Time) Emissions in Non-restricted Frequency Bands
<b>Test Condition</b>	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
<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
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis_WLAN 2.4GHz + Thread + 24GHz radar
2	EUT in Y axis_WLAN 5GHz + Thread + 24GHz radar
3	EUT in Y axis_Bluetooth + Thread + 24GHz radar
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4~5 will follow this same test mode.	
4	EUT in Y axis_Bluetooth + Sub-G (Hopping mode) + 24GHz radar
5	EUT in Y axis_Bluetooth + Sub-G (Hybrid mode) + 24GHz radar
For operating, mode 3 is the worst case and it was record in this test report.	
<b>Operating Mode &gt; 1GHz</b>	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + Thread + 24GHz radar
2	WLAN 2.4GHz + Sub-G (Hopping mode) + 24GHz radar
3	WLAN 2.4GHz + Sub-G (Hybrid mode) + 24GHz radar
4	WLAN 5GHz + Thread + 24GHz radar
5	WLAN 5GHz + Sub-G (Hopping mode) + 24GHz radar
6	WLAN 5GHz + Sub-G (Hybrid mode) + 24GHz radar
7	Bluetooth + Thread + 24GHz radar
8	Bluetooth + Sub-G (Hopping mode) + 24GHz radar
9	Bluetooth + Sub-G (Hybrid mode) + 24GHz radar

Refer to Sporton Test Report No.: FA361614 for Co-location RF Exposure Evaluation.

Note: The adapter was for measurement only and would not be marketed. Its information is shown as below:

Equipment	Brand Name	Model Name
Power adapter	AMIGO	CT-5723-03

### 2.3 EUT Operation during Test

**For CTX Mode:**

The EUT was programmed to be in continuously transmitting mode.

**For Normal Link Mode:**

During the test, the EUT operation to normal function.

### 2.4 Accessories

Accessories
CHIME adapter*1: Non-shielded, 0.2m
Backplate*1



## 2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Power adapter	AMIGO	CT-5723-03	N/A
B	Test fixture	NEWHOUSE	CHM1	N/A
C	NB	DELL	PP13S	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Power adapter	AMIGO	CT-5723-03	N/A
B	Test fixture	NEWHOUSE	CHM1	N/A
C	NB	DELL	PP13S	N/A

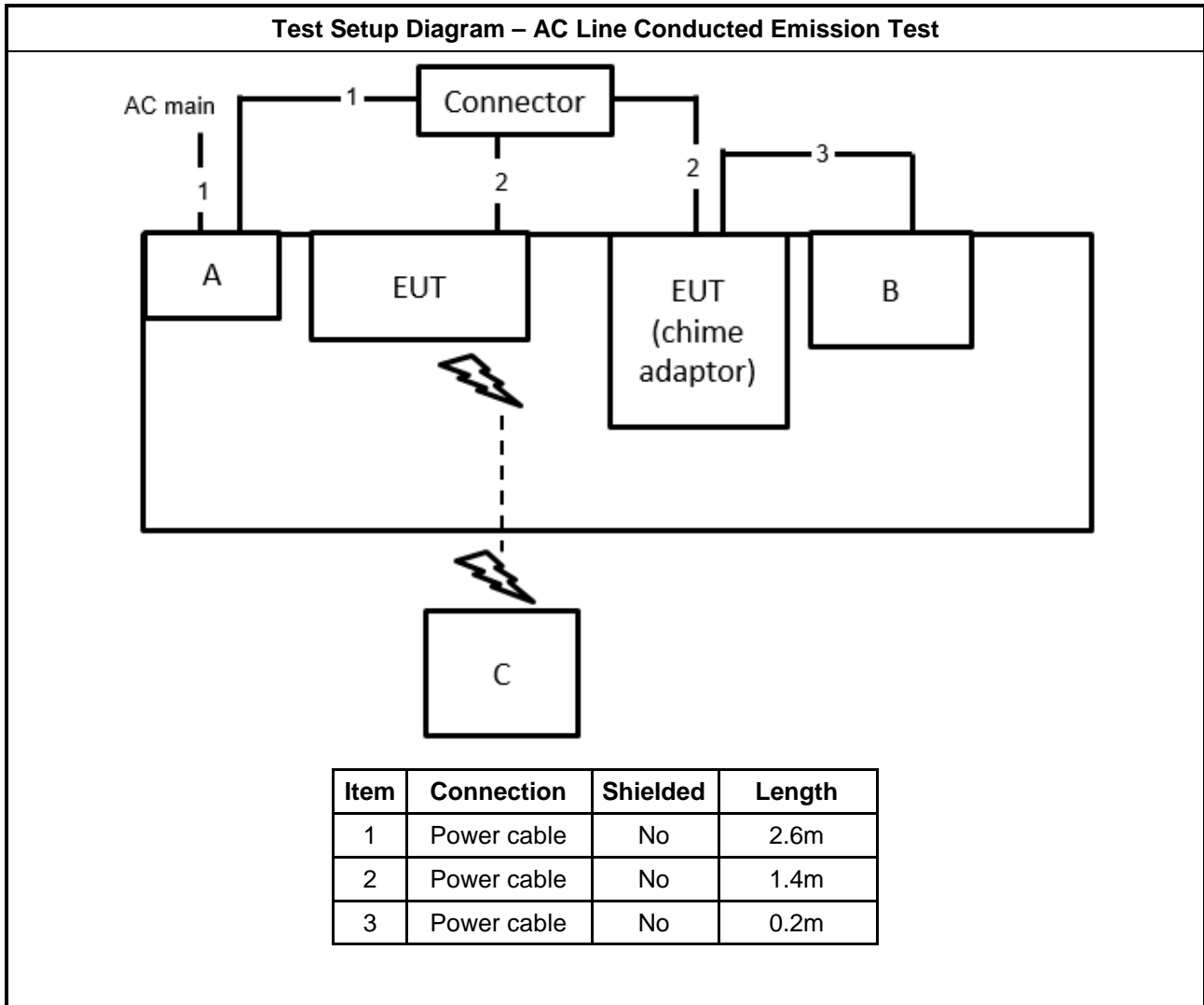
For Radiated (above 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Fixture	ALPHA	1EBRC21T..A2G	N/A
C	Power adapter	AMIGO	CT-5723-03	N/A

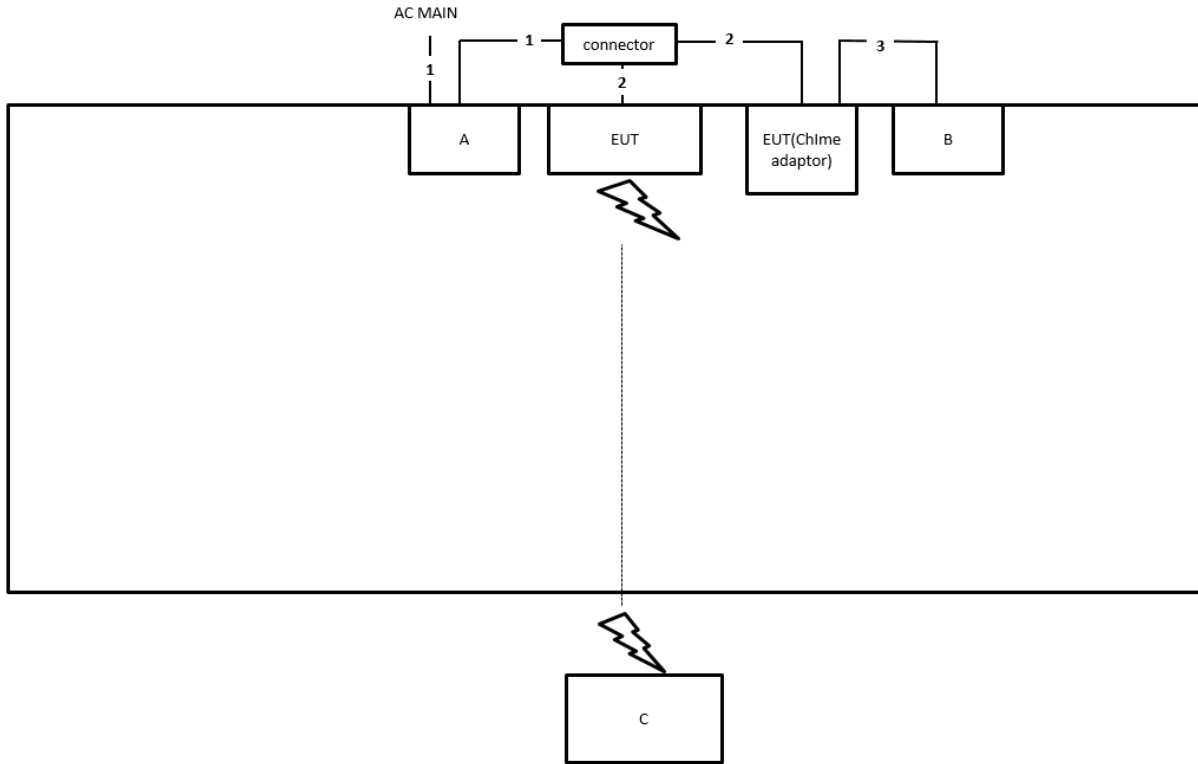
For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Fixture	ALPHA	1EBRC21T..A2G	N/A
C	Power adapter	AMIGO	CT-5723-03	N/A

## 2.6 Test Setup Diagram

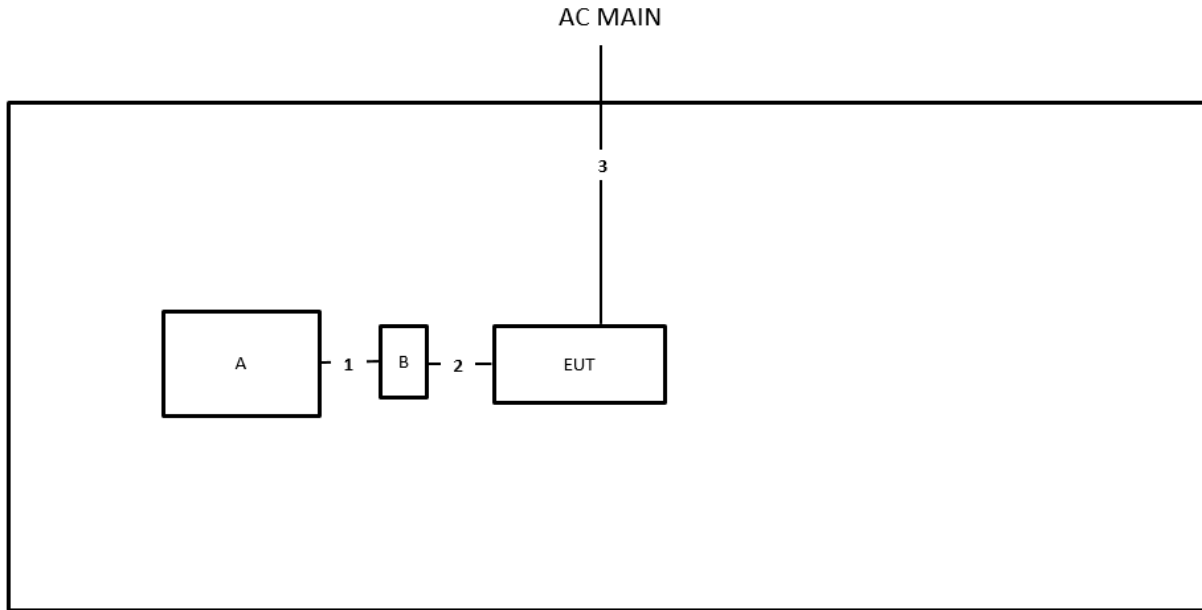


**Test Setup Diagram - Radiated Test < 1GHz**



Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	Power cable	No	1.4m
3	Power cable	No	0.2m

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



Item	Connection	Shielded	Length
1	USB cable	No	0.5m
2	PIN cable	No	0.15m
3	Power cable	No	2.6m





### 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.

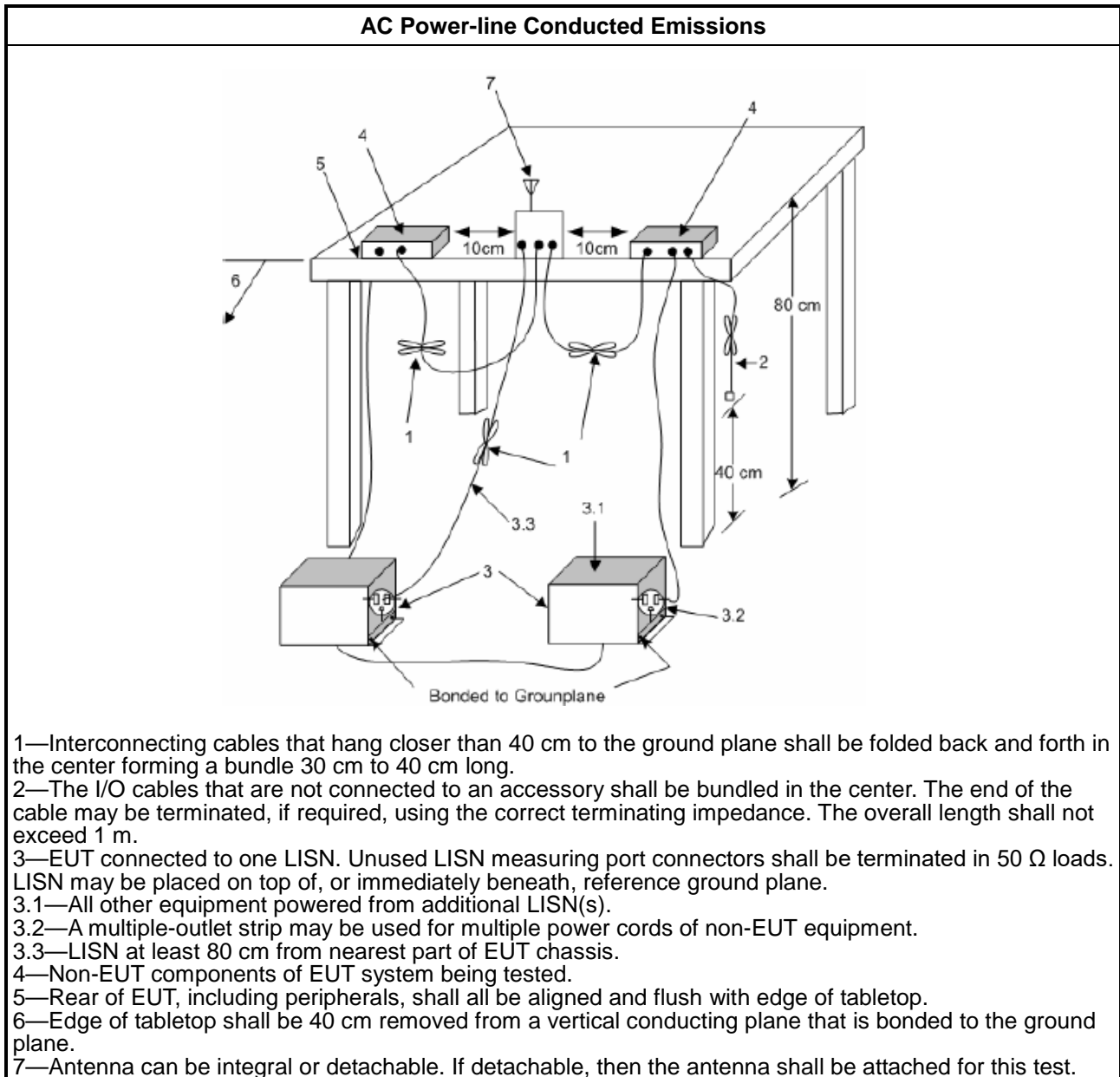
##### 3.1.2 Measuring Instruments

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 20dB Bandwidth and Carrier Frequency Separation

#### 3.2.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 250 kHz.
	▪ $50 > N \geq 25$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	▪ $75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 1 MHz.
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

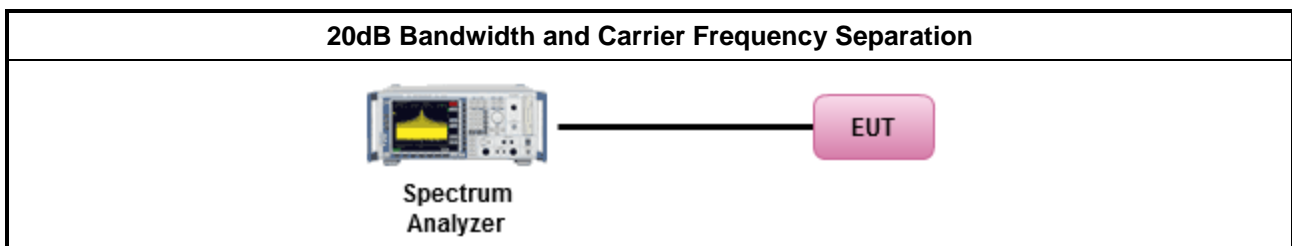
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 6.9.1 for 20 dB bandwidth measurement.
▪ Refer as ANSI C63.10-2013, clause 7.8.2 for carrier frequency separation measurement.

#### 3.2.4 Test Setup



#### 3.2.5 Test Result of 20dB Bandwidth

Refer as Appendix B

#### 3.2.6 Test Result of Carrier Frequency Separation

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>902-928 MHz Band:</li> </ul>	
	<ul style="list-style-type: none"> <li>N ≥ 50; Power 30dBm; EIRP 36dBm</li> </ul>
	<ul style="list-style-type: none"> <li>50 &gt; N ≥ 25; Power 23.98dBm; EIRP 29.98dBm</li> </ul>
<ul style="list-style-type: none"> <li>2400-2483.5 MHz Band:</li> </ul>	
	<ul style="list-style-type: none"> <li>N ≥ 75; Power 30dBm; EIRP 36dBm</li> </ul>
	<ul style="list-style-type: none"> <li>75 &gt; N ≥ 15; Power 21dBm; EIRP 27dBm</li> </ul>
<ul style="list-style-type: none"> <li>5725-5850 MHz Band:</li> </ul>	
	<ul style="list-style-type: none"> <li>N ≥ 75; Power 30dBm; EIRP 36dBm</li> </ul>

N: Number of Hopping Frequencies

#### 3.3.2 Measuring Instruments

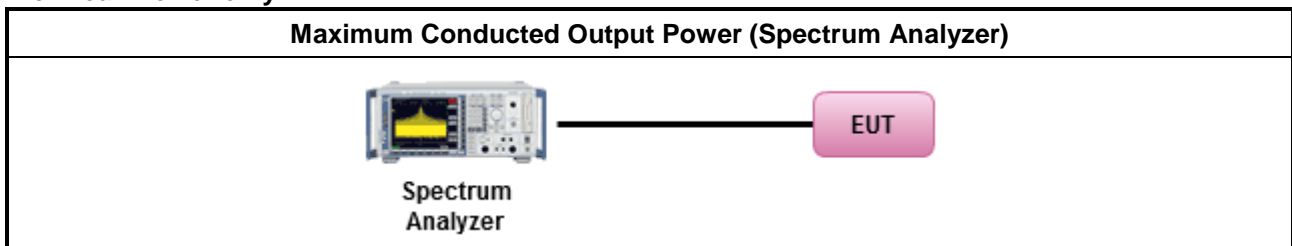
Refer a test equipment and calibration data table in this test report.

#### 3.3.3 Test Procedures

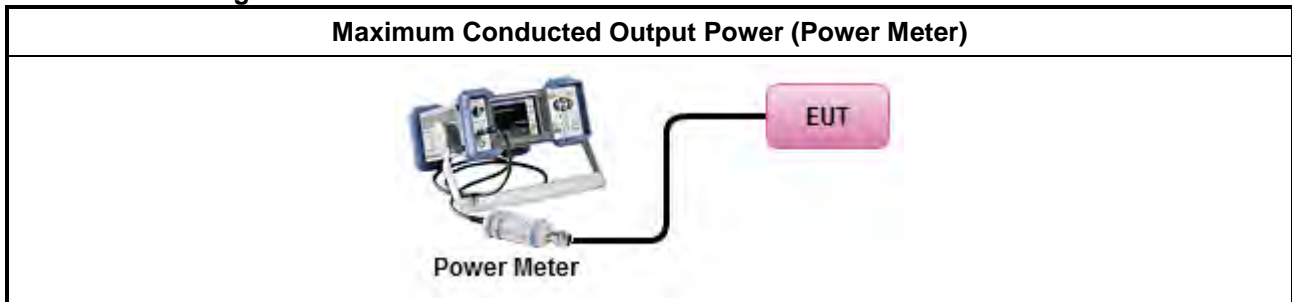
Test Method
<ul style="list-style-type: none"> <li>Refer as ANSI C63.10-2013, clause 7.8.5 for output power measurement.</li> </ul>

#### 3.3.4 Test Setup

For Peak Power only:



For Peak & Average Power:



#### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

### 3.4 Number of Hopping Frequencies and Hopping Bandedge

#### 3.4.1 Number of Hopping Frequencies Limit

Number of Hopping Frequencies Limit	
▪	902-928 MHz Band:
	▪ $N \geq 50$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 250 kHz.
	▪ $50 > N \geq 25$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
▪	2400-2483.5 MHz Band:
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	▪ $75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
▪	5725-5850 MHz Band:
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 1 MHz.
N: Number of Hopping Frequencies; ChS : Hopping Channel Separation	

#### 3.4.2 Hopping Bandedge Limit

Refer clause 3.6.1 and clause 3.7.1

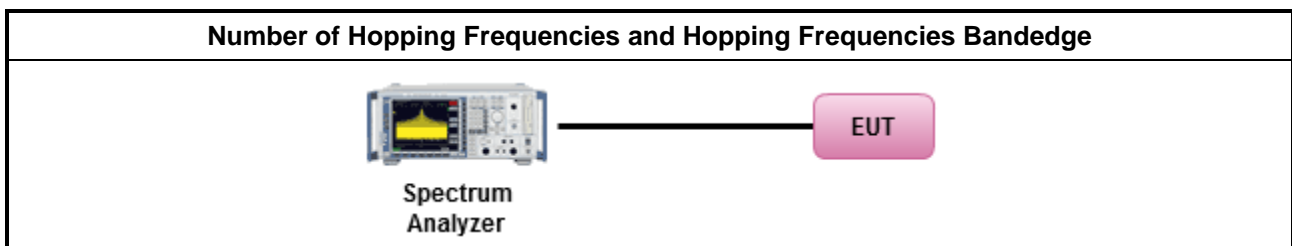
#### 3.4.3 Measuring Instruments

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

#### 3.4.4 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 7.8.3 for number of hopping frequencies measurement.
▪ Refer as ANSI C63.10-2013, clause 7.8.6 for hopping frequencies Bandedge measurement.

#### 3.4.5 Test Setup



#### 3.4.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

#### 3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

### 3.5 Time of Occupancy (Dwell Time)

#### 3.5.1 Time of Occupancy (Dwell Time) Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$ ; 0.4s in 20s period
	▪ $50 > N \geq 25$ ; 0.4s in 10s period
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$ ; 0.4s in $N \times 0.4$ period
	▪ $75 > N \geq 15$ ; 0.4s in $N \times 0.4$ period
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$ ; 0.4s in 30s period
N: Number of Hopping Frequencies	

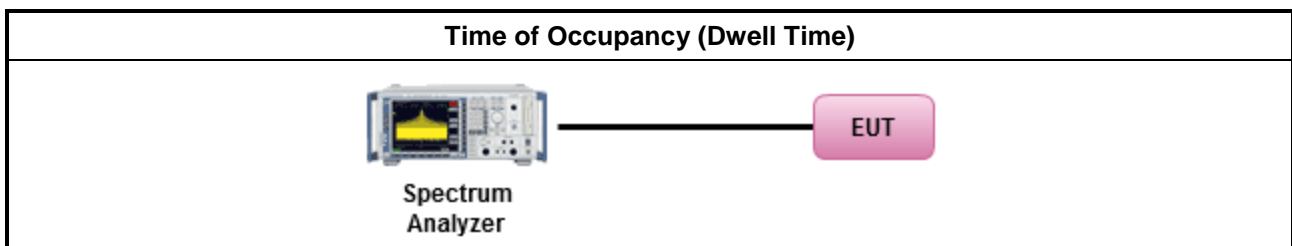
#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

Test Method	
▪ Refer as ANSI C63.10-2013, clause 7.8.4 for dwell time measurement.	
▪ Bluetooth ACL packets can be 1, 3, or 5 time slots. Following as dwell time. Operate DH5 at maximum dwell time and maximum duty cycle.	
	▪ The DH5 packet can cover up to 5 time slots. Operate DH5 at maximum dwell time and maximum duty cycle. A maximum length packet has duration of 5 time slots. The hopping rate is 1600 hops/second so the maximum dwell time is $5/1600$ seconds, or 3.125ms. DH5 Packet permit maximum $1600 / 79 / 6 = 3.37$ hops per second in each channel.

#### 3.5.4 Test Setup



#### 3.5.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix E

### 3.6 Emissions in Non-restricted Frequency Bands

#### 3.6.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
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.	

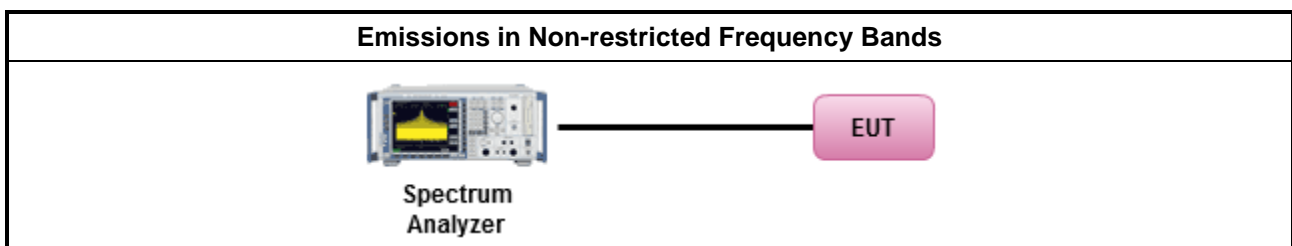
#### 3.6.2 Measuring Instruments

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

#### 3.6.3 Test Procedures

Test Method
<ul style="list-style-type: none"> <li>Refer as ANSI C63.10-2013, clause 7.8.8 for unwanted emissions into non-restricted bands.</li> </ul>

#### 3.6.4 Test Setup



#### 3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F



### 3.7 Emissions in Restricted Frequency Bands

#### 3.7.1 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.

#### 3.7.2 Measuring Instruments

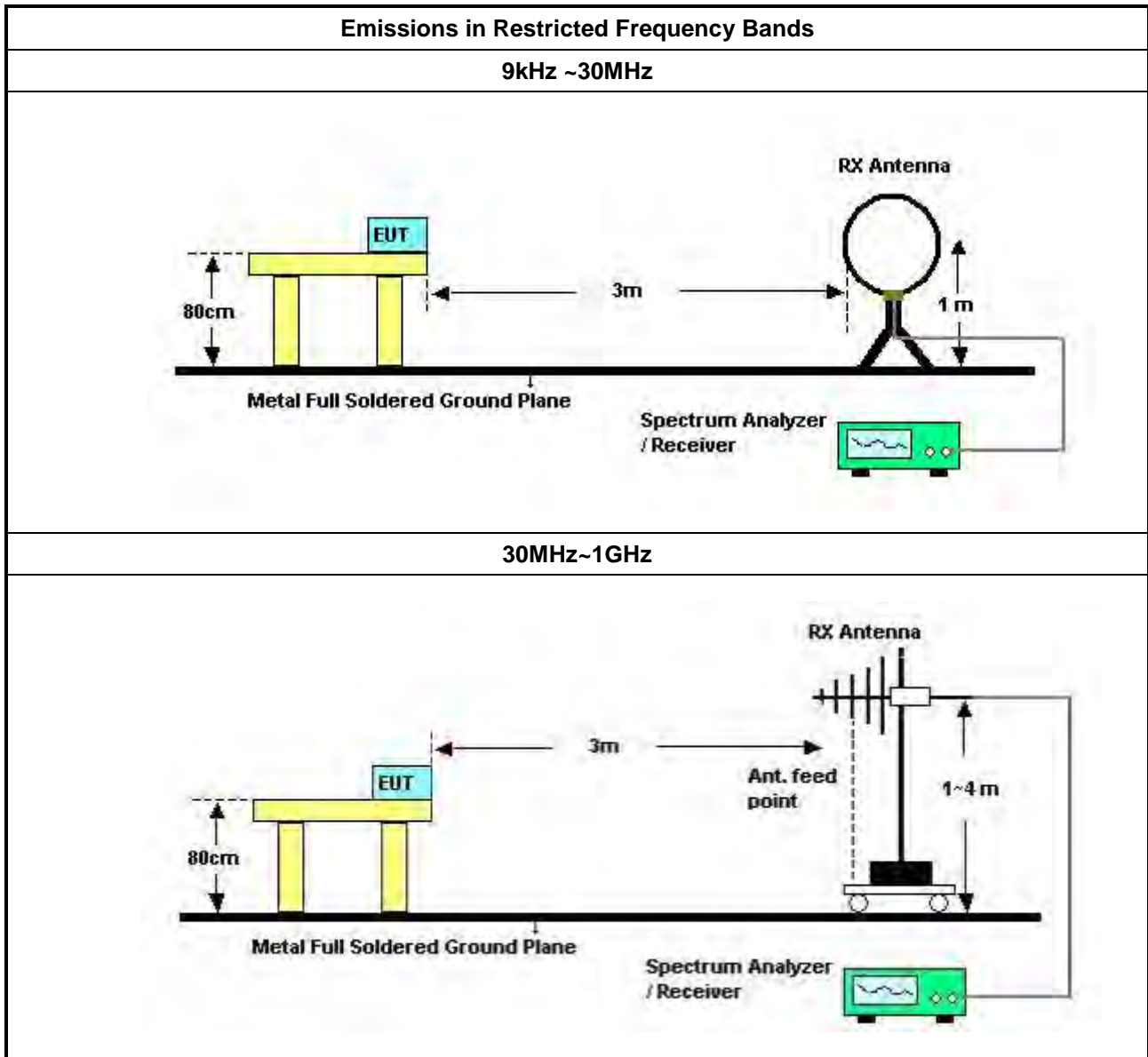
Refer a test equipment and calibration data table in this test report.

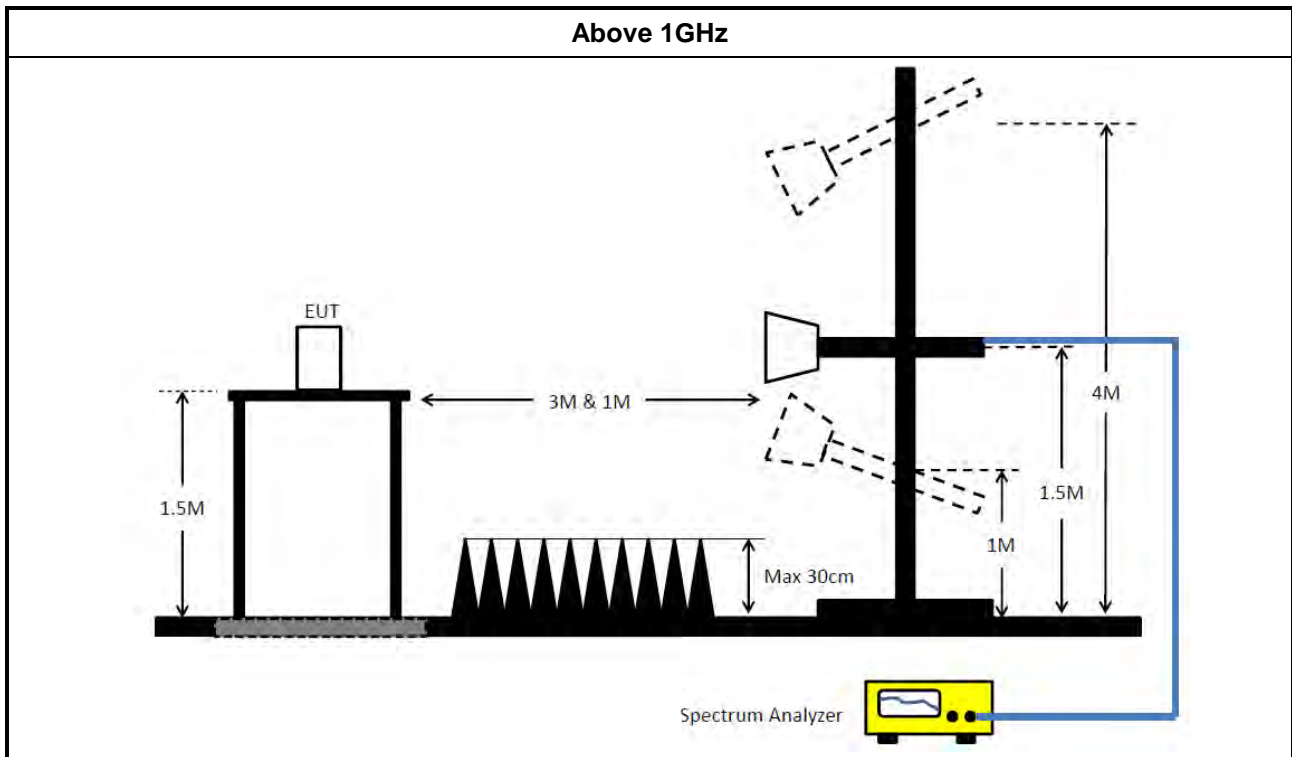
#### 3.7.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>The average emission levels shall be measured in [hopping 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:               <ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 4.1.4.2.1 QP value.</li> <li>Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.</li> <li>Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.</li> </ul> </li> </ul>	



**3.7.4 Test Setup**





### 3.7.5 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.

### 3.7.6 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.

### 3.7.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G



## 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	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	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. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 23, 2023	Mar. 22, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 03, 2022	Aug. 02, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 23, 2023	Feb. 22, 2024	Radiation (03CH04-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz	Oct. 12, 2022	Oct. 11, 2023	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 21, 2023	Mar. 20, 2024	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Sep. 30, 2022	Sep. 29, 2023	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug. 02, 2022	Aug. 01, 2023	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 21, 2022	Dec. 20, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-68	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Dec. 21, 2022	Dec. 20, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-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 GHz ~26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

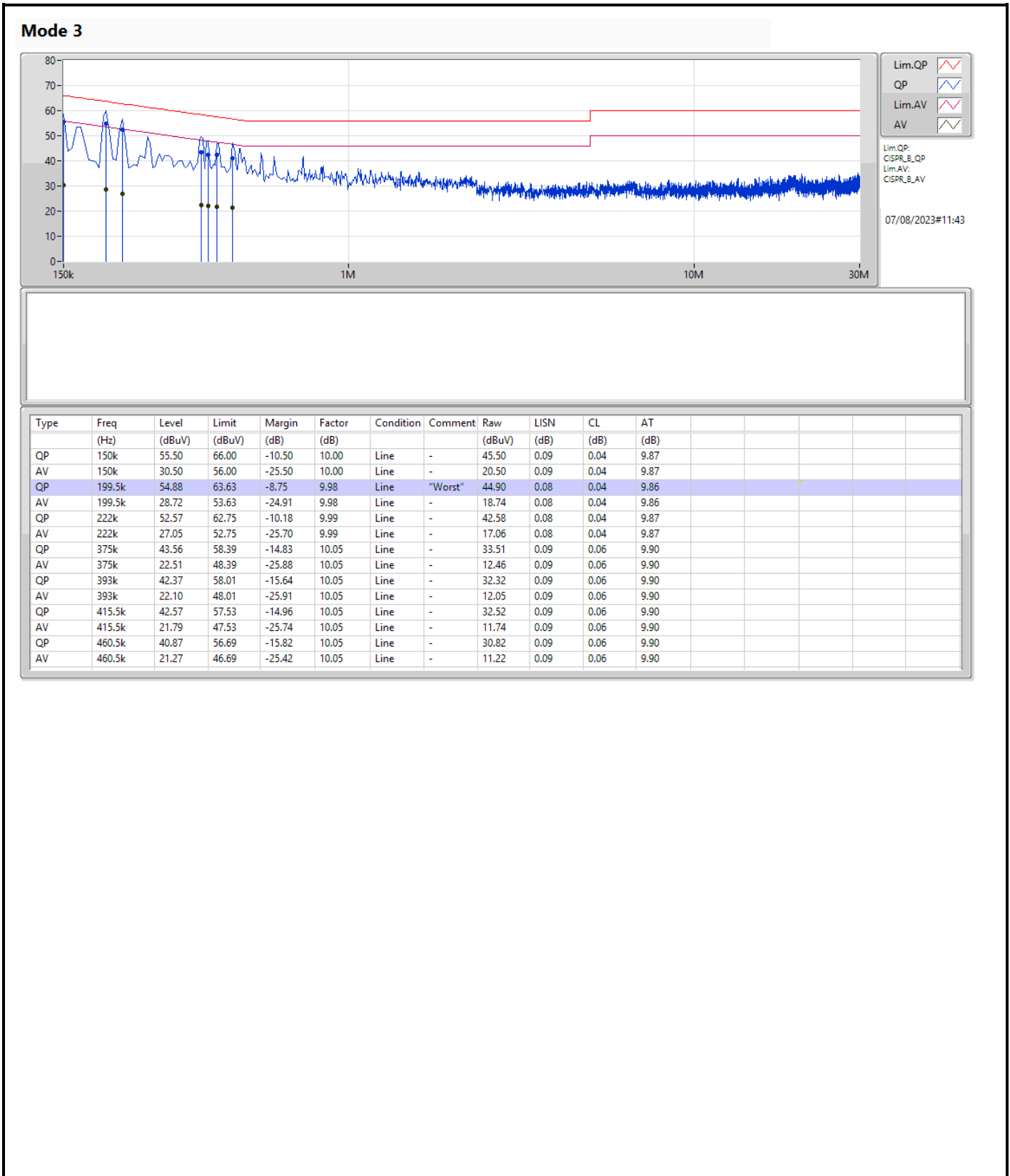
Note: Calibration Interval of instruments listed above is one year.

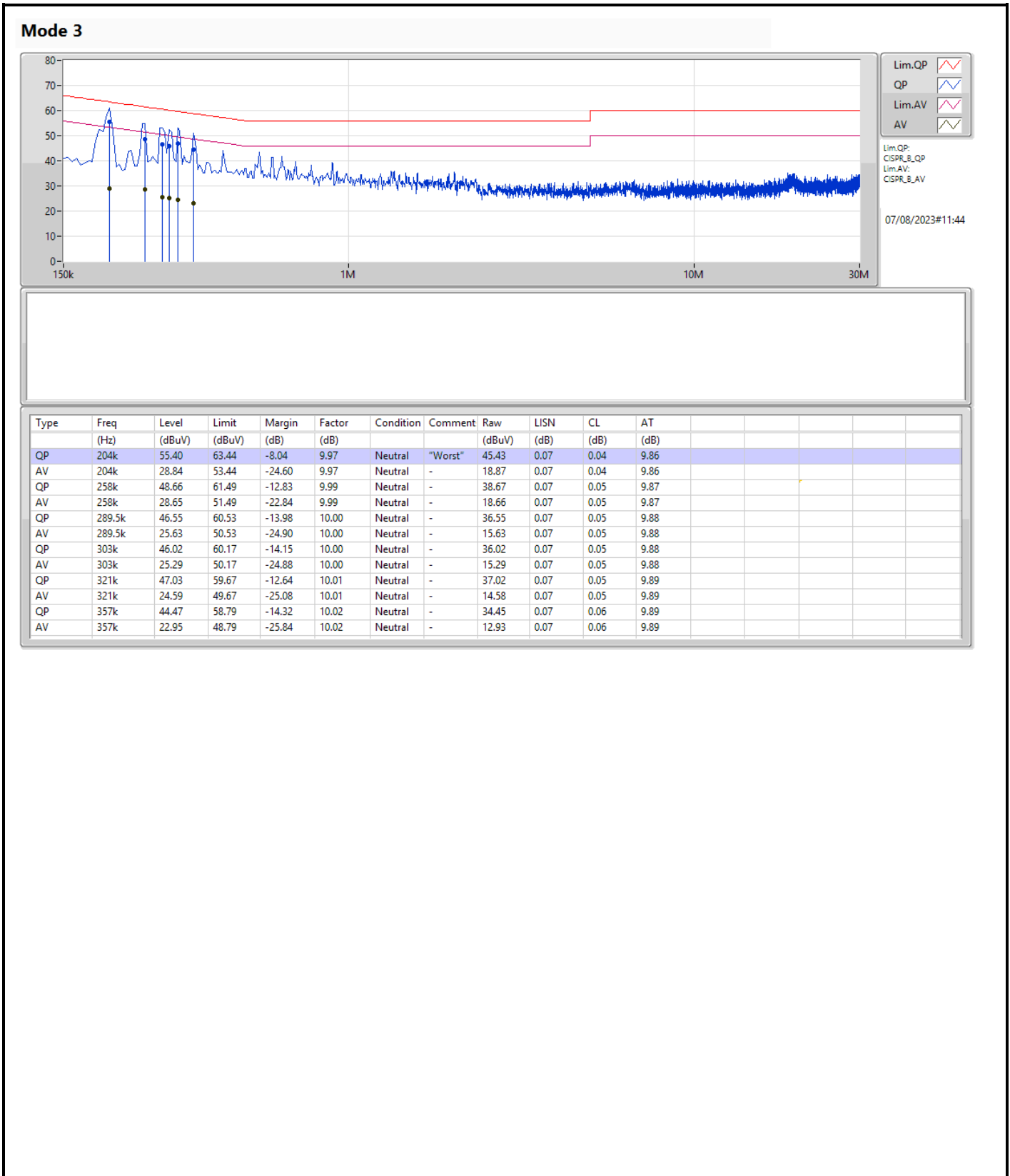
NCR means Non-Calibration required.



**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 3	Pass	QP	204k	55.40	63.44	-8.04	Neutral









**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-BR(1Mbps)	1.012M	905.944k	906KF1D	932.25k	897.5k
BT-EDR(2Mbps)	1.337M	1.217M	1M22G1D	1.331M	1.214M
BT-EDR(3Mbps)	1.309M	1.225M	1M23G1D	1.287M	1.222M

Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;  
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	948.75k	902.471k
2440MHz	Pass	Inf	932.25k	905.944k
2480MHz	Pass	Inf	1.012M	897.5k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.331M	1.214M
2440MHz	Pass	Inf	1.337M	1.217M
2480MHz	Pass	Inf	1.337M	1.217M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.287M	1.224M
2440MHz	Pass	Inf	1.29M	1.222M
2480MHz	Pass	Inf	1.309M	1.225M

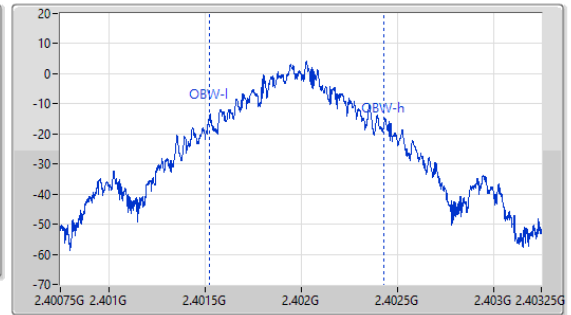
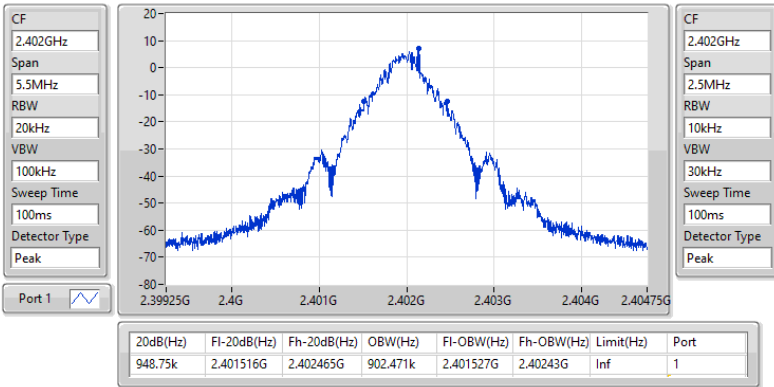
Port X-N dB = Port X 20dB down bandwidth;  
 Port X-OBW = Port X 99% occupied bandwidth

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

EBW-FS

2402MHz

31/07/2023

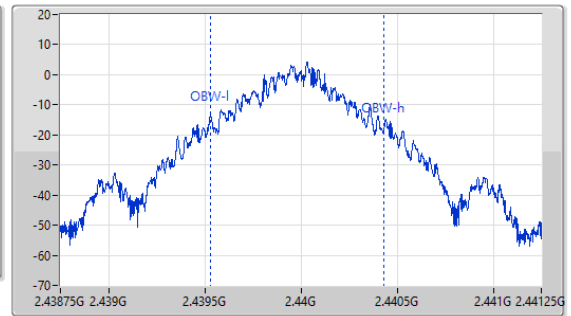
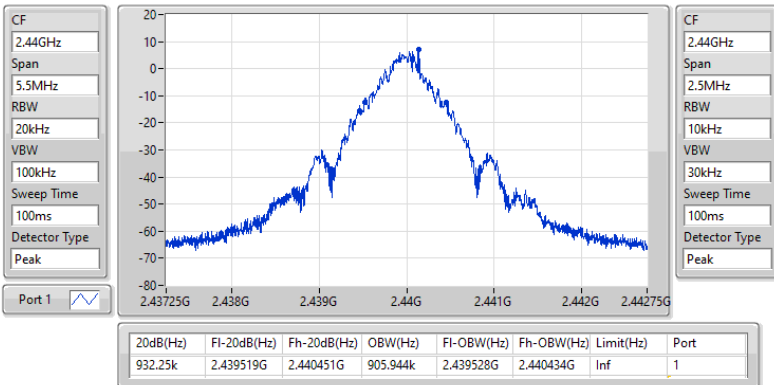


2.4-2.4835GHz\_BT-BR(1Mbps)

EBW-FS

2440MHz

31/07/2023

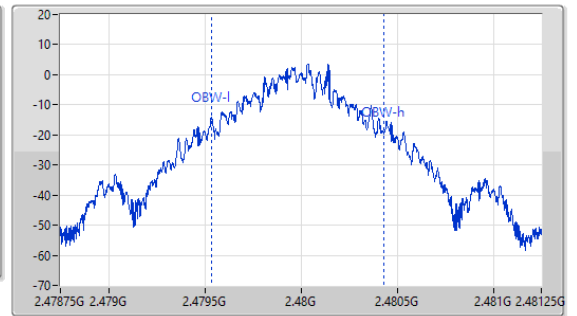
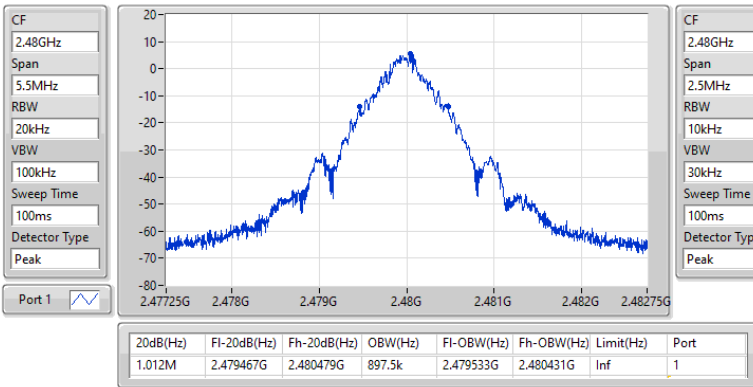


2.4-2.4835GHz\_BT-BR(1Mbps)

EBW-FS

2480MHz

31/07/2023

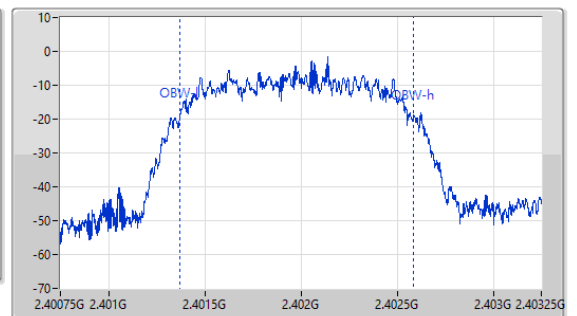
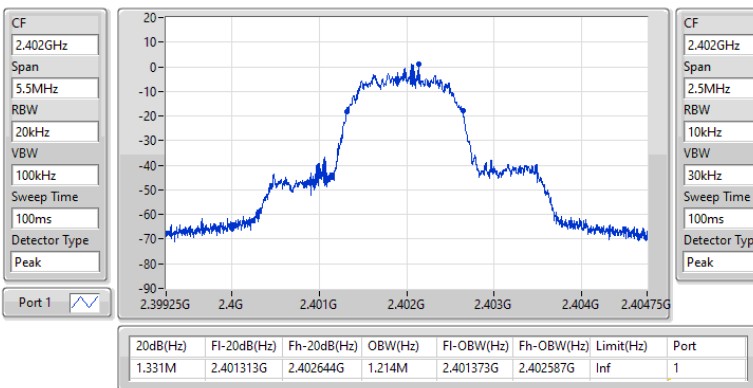


2.4-2.4835GHz\_BT-EDR(2Mbps)

EBW-FS

2402MHz

31/07/2023

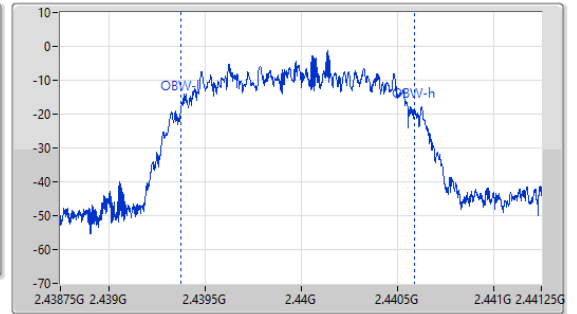
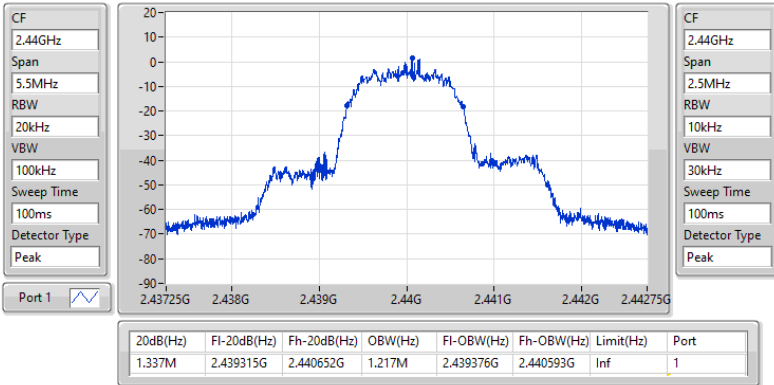


**2.4-2.4835GHz\_BT-EDR(2Mbps)**

**EBW-FS**

**2440MHz**

31/07/2023

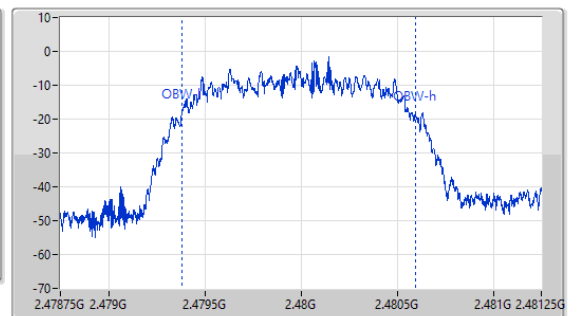
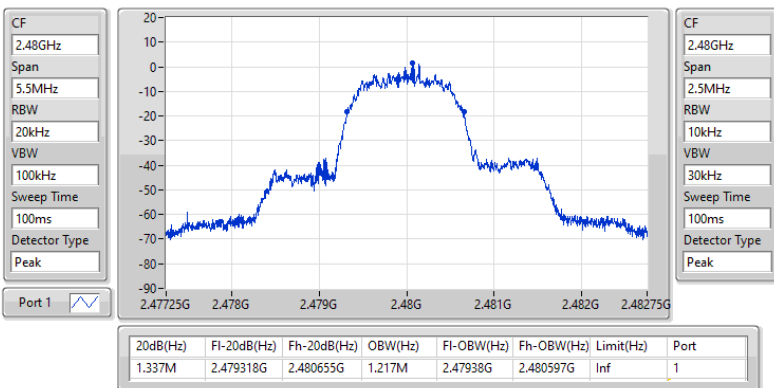


**2.4-2.4835GHz\_BT-EDR(2Mbps)**

**EBW-FS**

**2480MHz**

31/07/2023

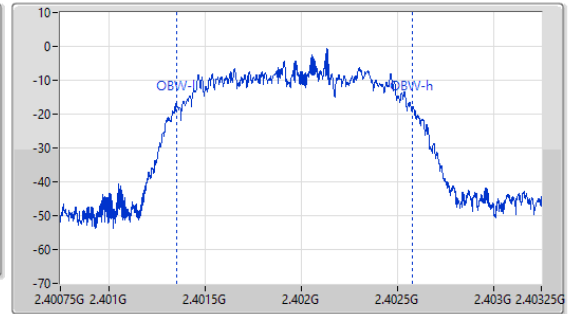
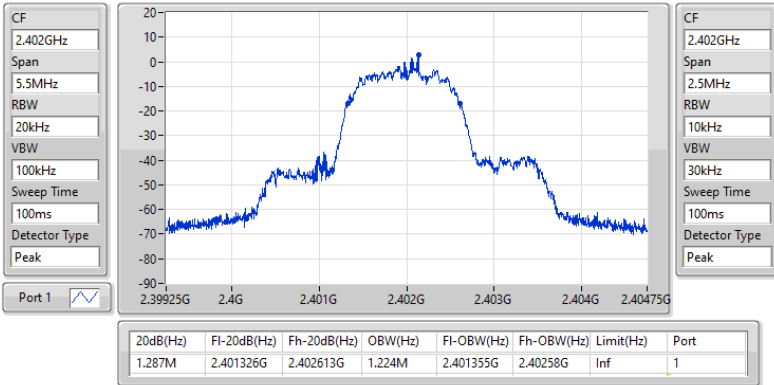


2.4-2.4835GHz\_BT-EDR(3Mbps)

EBW-FS

2402MHz

31/07/2023

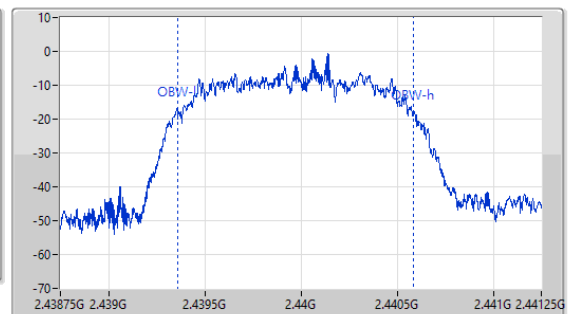
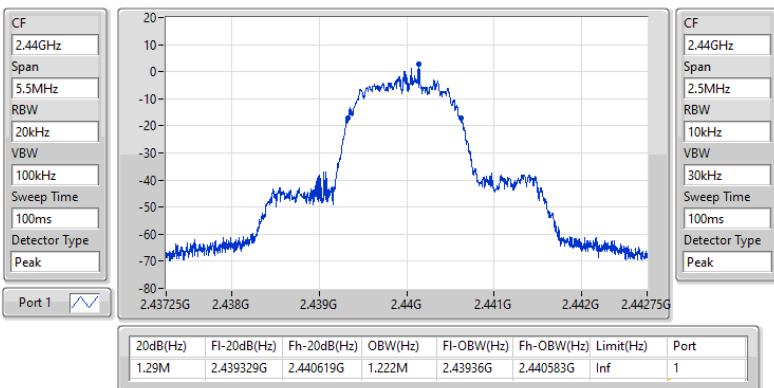


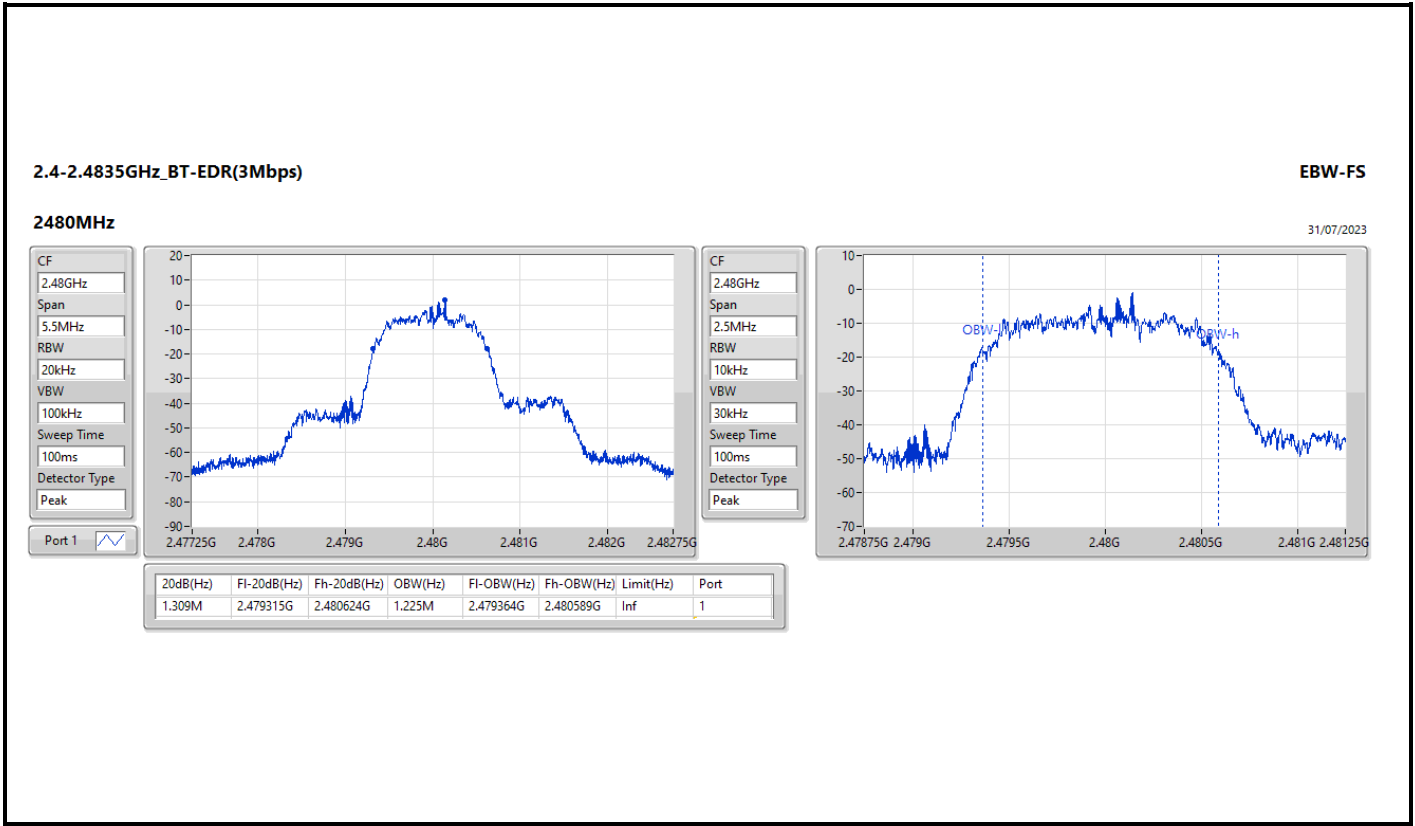
2.4-2.4835GHz\_BT-EDR(3Mbps)

EBW-FS

2440MHz

31/07/2023







**Summary**

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.0005M	999k
BT-EDR(2Mbps)	1.0005M	999k
BT-EDR(3Mbps)	1.002M	1.0005M



**Result**

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.40213G	2.40313G	1.0005M	631.8675k
2440MHz	Pass	2.440134G	2.441135G	1.0005M	620.8785k
2480MHz	Pass	2.479139G	2.480138G	999k	673.992k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402065G	2.403066G	1.0005M	886.446k
2440MHz	Pass	2.440071G	2.44107G	999k	890.442k
2480MHz	Pass	2.479073G	2.480073G	1.0005M	890.442k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402131G	2.403132G	1.0005M	857.142k
2440MHz	Pass	2.440136G	2.441136G	1.0005M	859.14k
2480MHz	Pass	2.47914G	2.480142G	1.002M	871.794k

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

Channel Separation-FS

2.402G/2.403GHz

31/07/2023



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

Channel Separation-FS

2.44G/2.441GHz

31/07/2023




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

Channel Separation-FS

2.48G/2.479GHz

31/07/2023



Port 1 

Ch Freq  
2.48G/2.479G

Span  
3MHz

RBW  
30kHz

VBW  
100kHz

Sweep  
100ms

Detector  
Peak

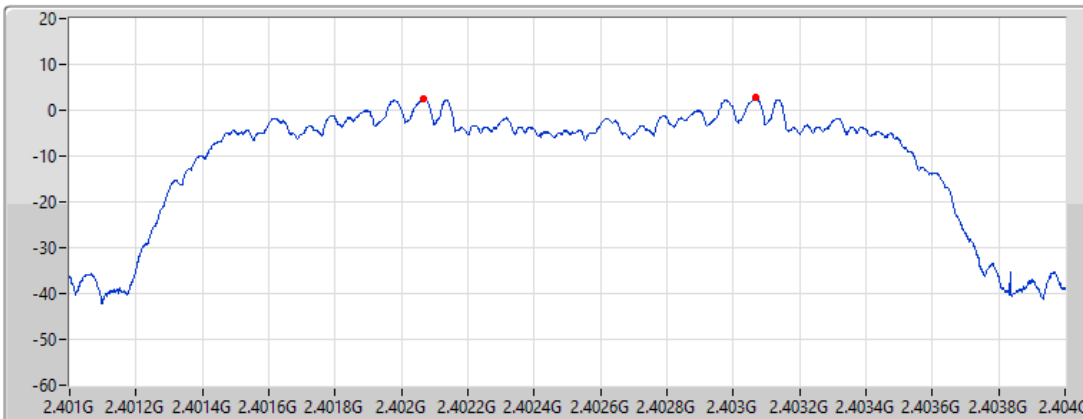
F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479139G	2.480138G	999k	673.992k


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

Channel Separation-FS

2.402G/2.403GHz

31/07/2023



Port 1 

Ch Freq  
2.402G/2.403G

Span  
3MHz

RBW  
30kHz

VBW  
100kHz

Sweep  
100ms

Detector  
Peak

F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402065G	2.403066G	1.0005M	886.446k

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

Channel Separation-FS

2.44G/2.441GHz

31/07/2023



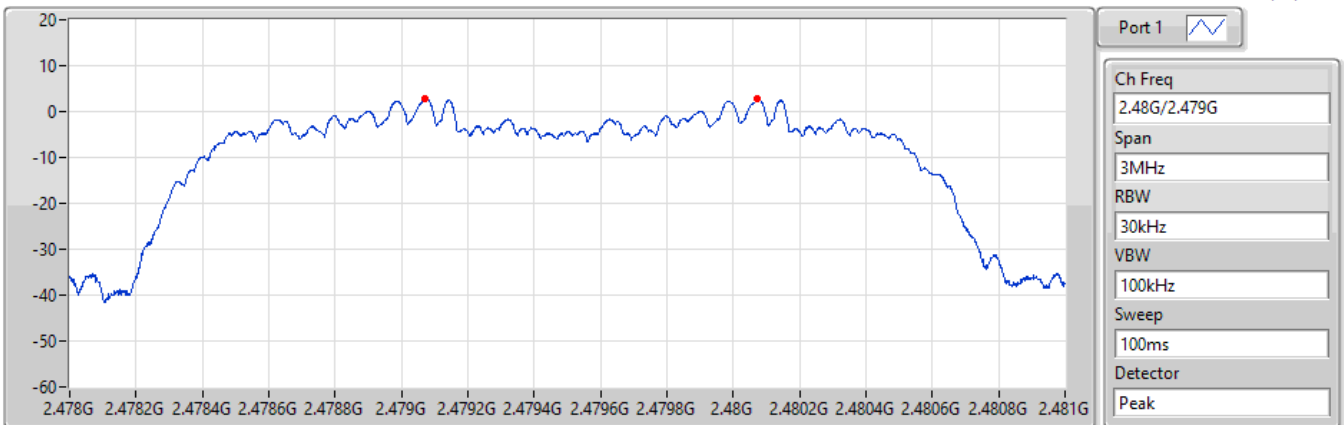
Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440071G	2.44107G	999k	890.442k

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

Channel Separation-FS

2.48G/2.479GHz

31/07/2023



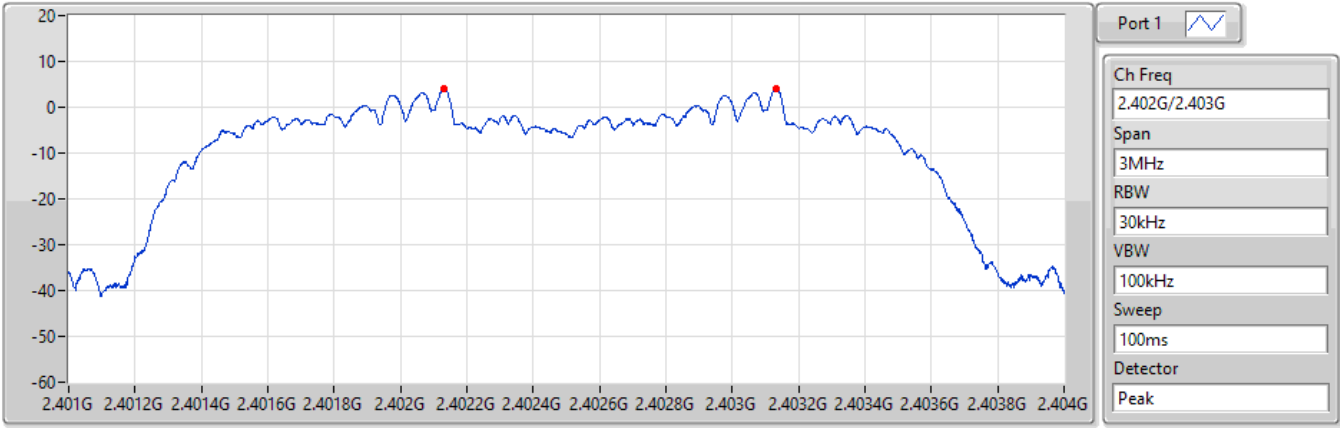
Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479073G	2.480073G	1.0005M	890.442k

2.4-2.4835GHz\_BT-EDR(3Mbps)

Channel Separation-FS

2.402G/2.403GHz

31/07/2023



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402131G	2.403132G	1.0005M	857.142k

2.4-2.4835GHz\_BT-EDR(3Mbps)

Channel Separation-FS

2.44G/2.441GHz

31/07/2023



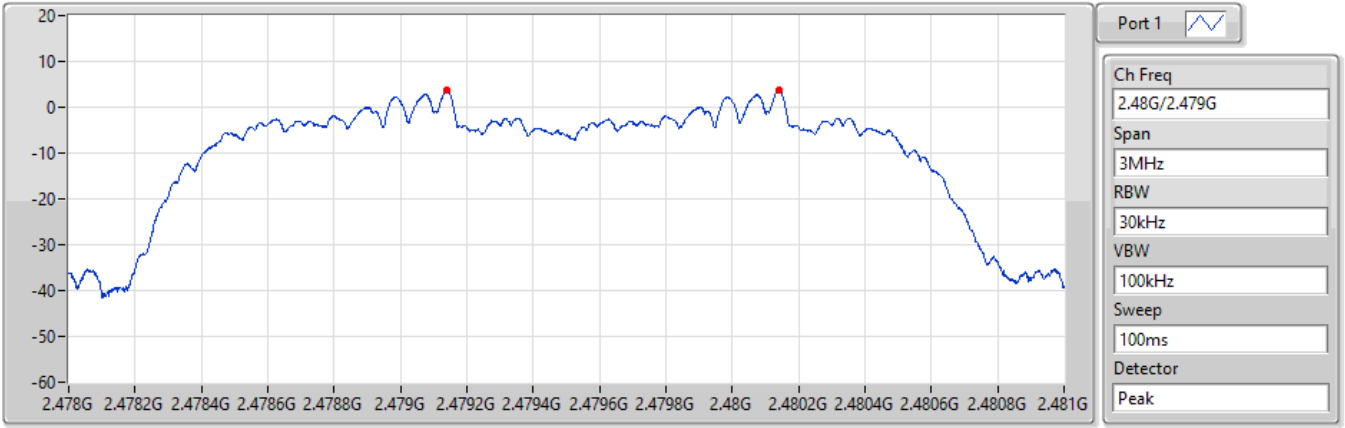
Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440136G	2.441136G	1.0005M	859.14k

2.4-2.4835GHz\_BT-EDR(3Mbps)

Channel Separation-FS

2.48G/2.479GHz

31/07/2023



F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.47914G	2.480142G	1.002M	871.794k



**Summary**

Mode	Total Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	9.94	0.00986
BT-EDR(2Mbps)	7.54	0.00568
BT-EDR(3Mbps)	8.07	0.00641

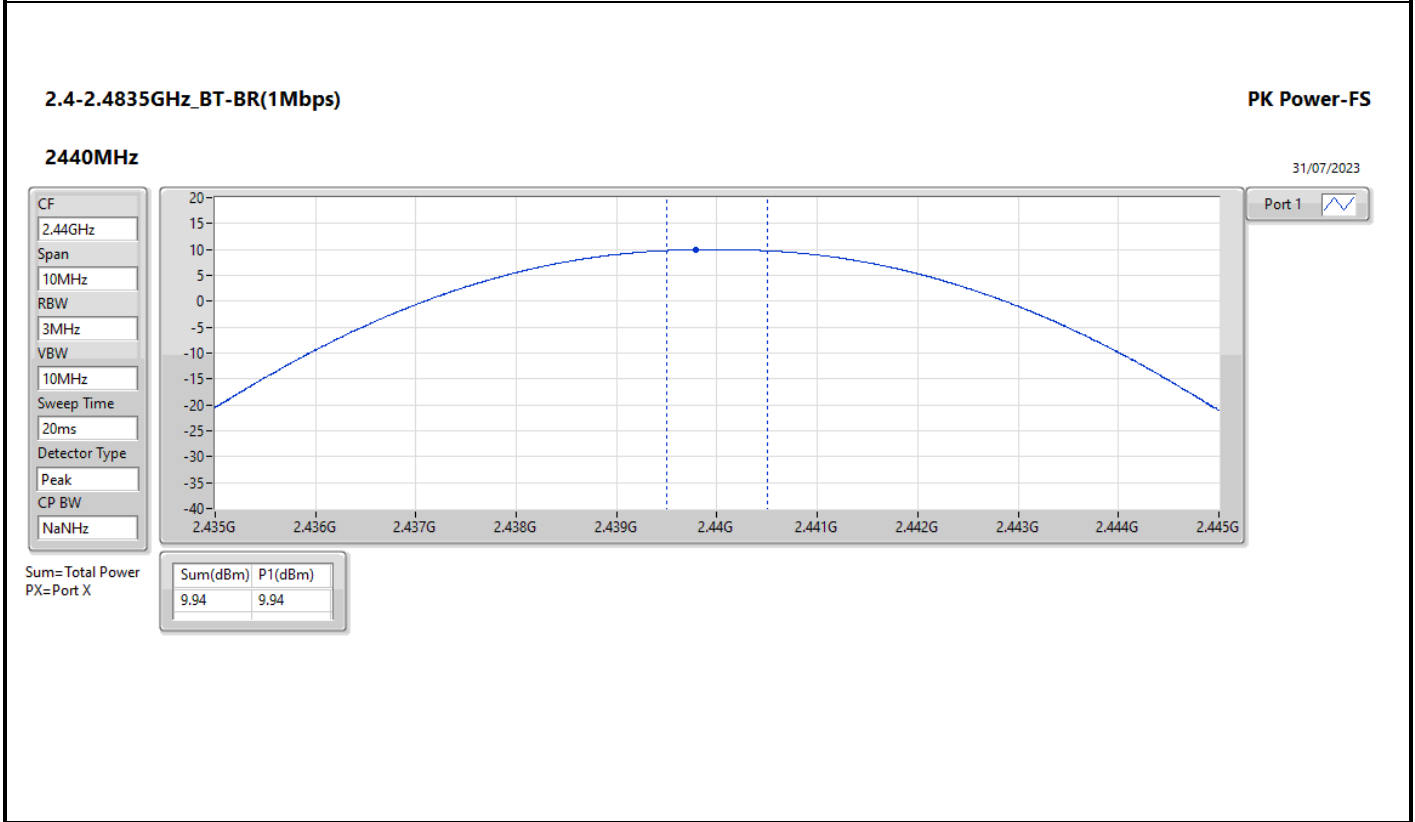
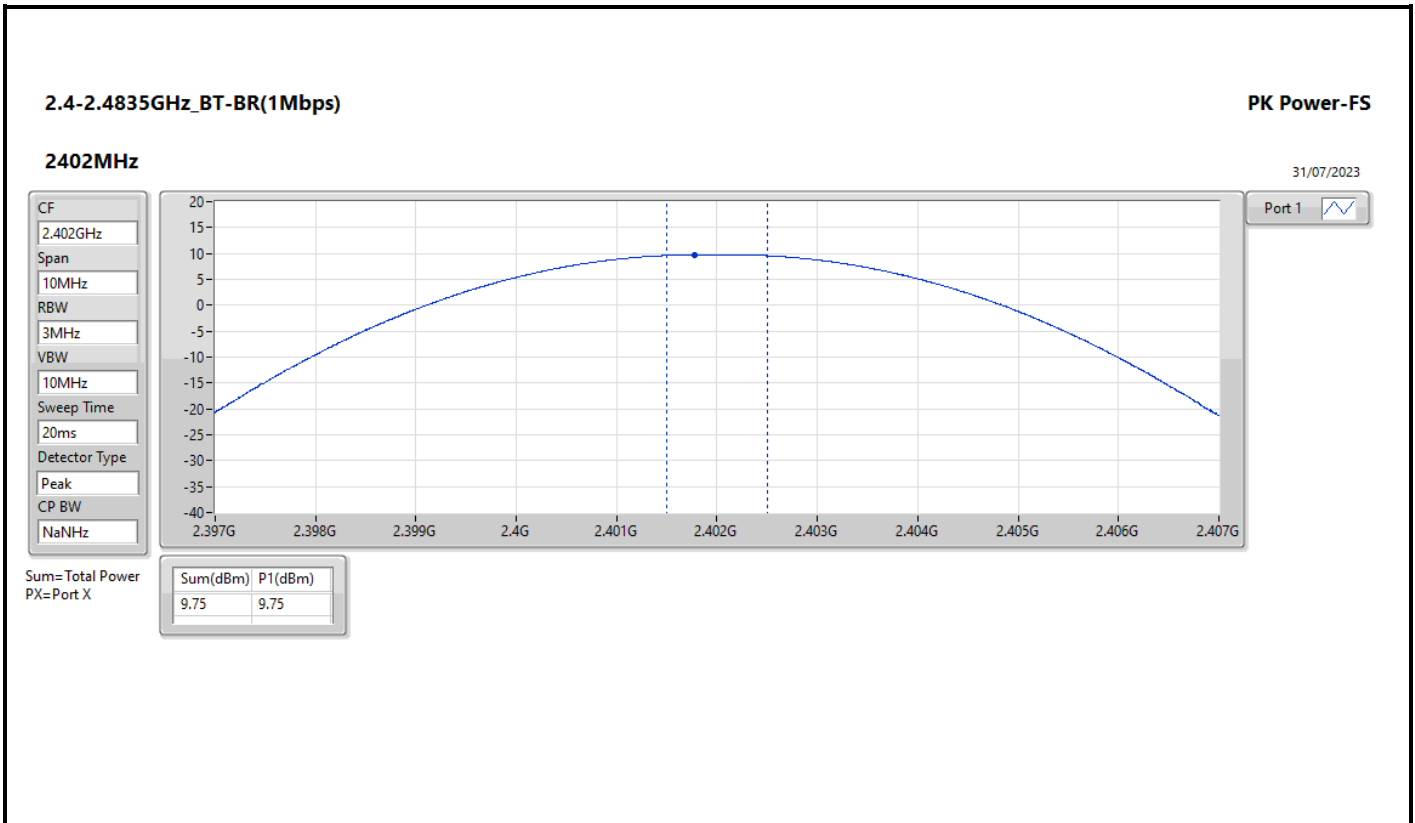


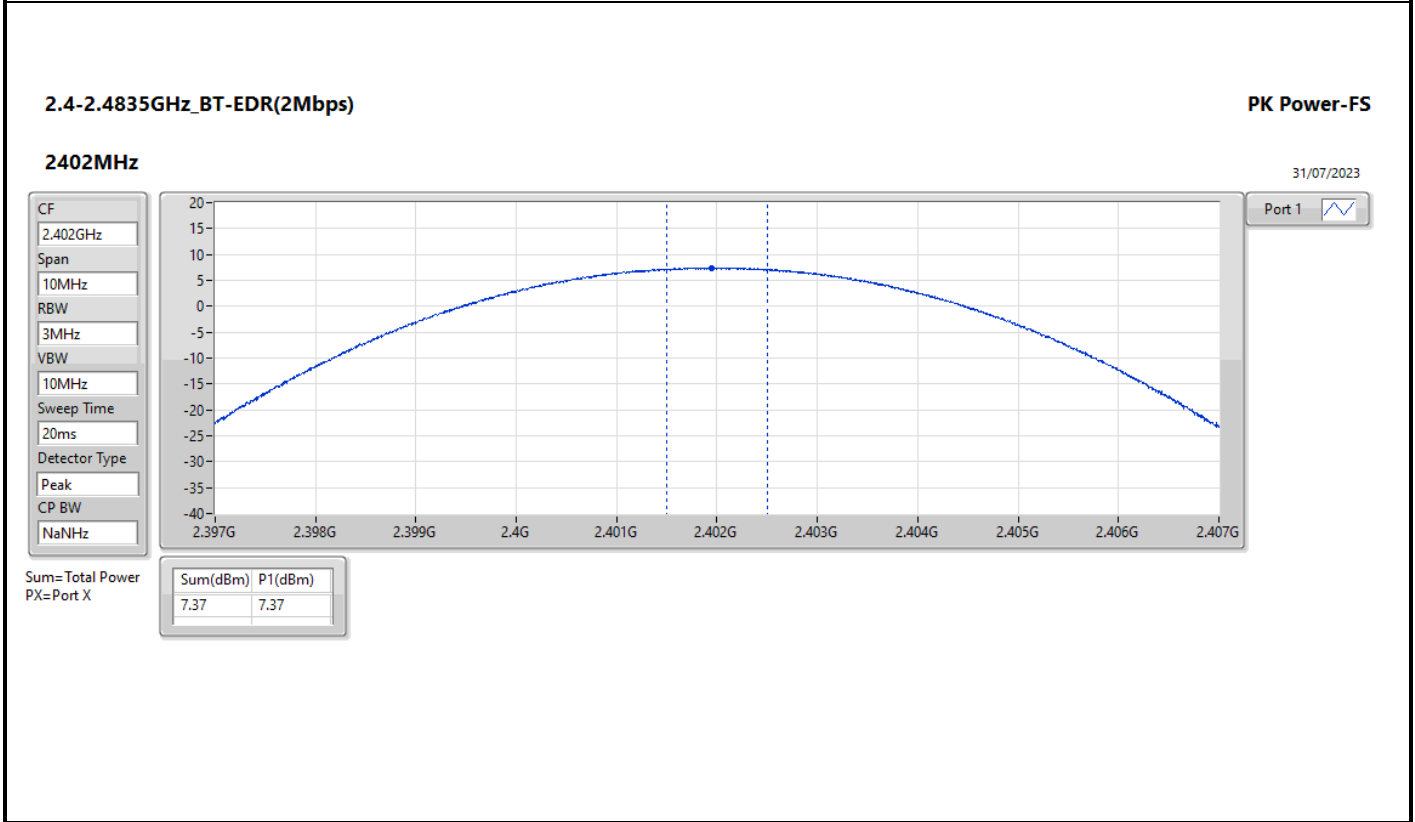
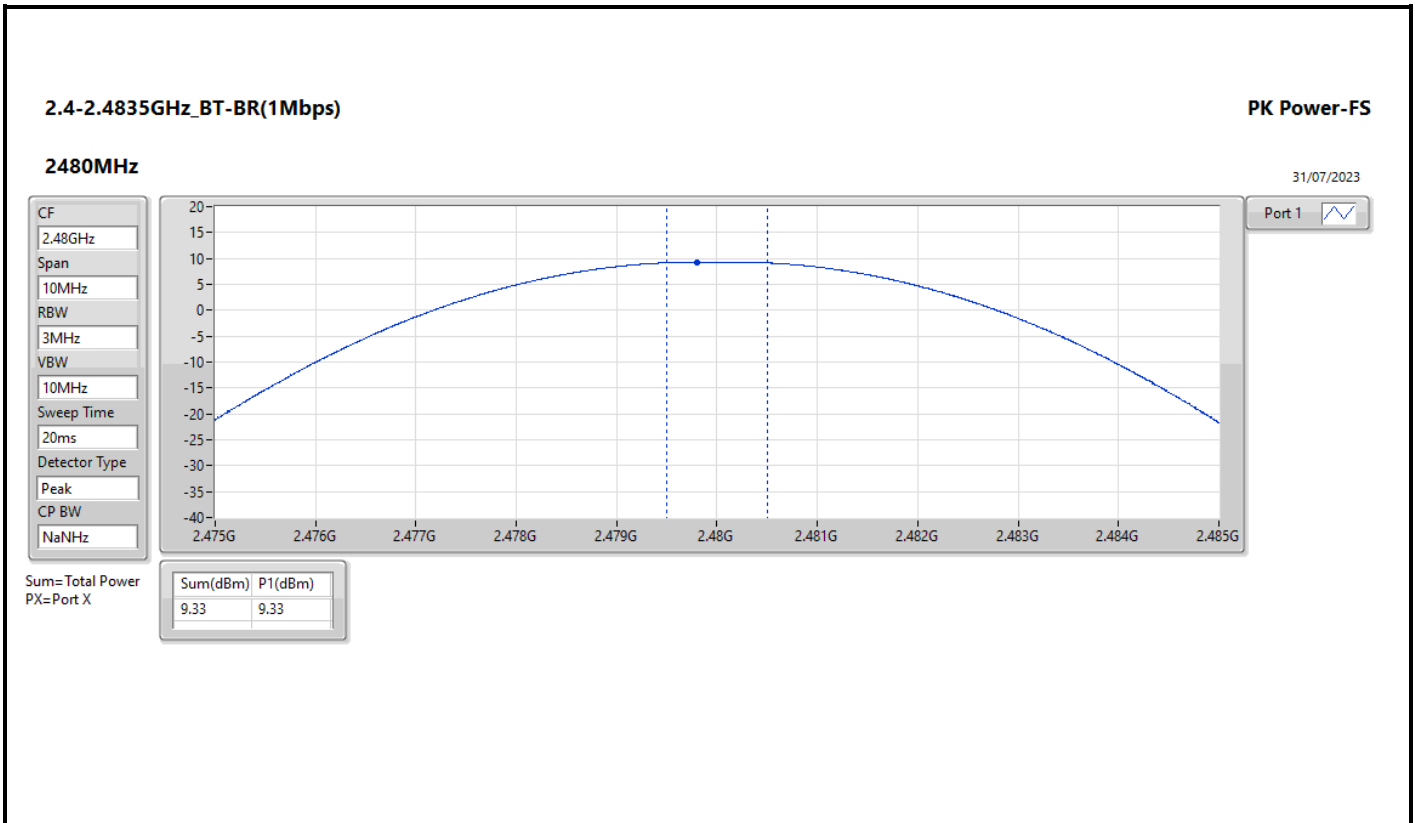
Result

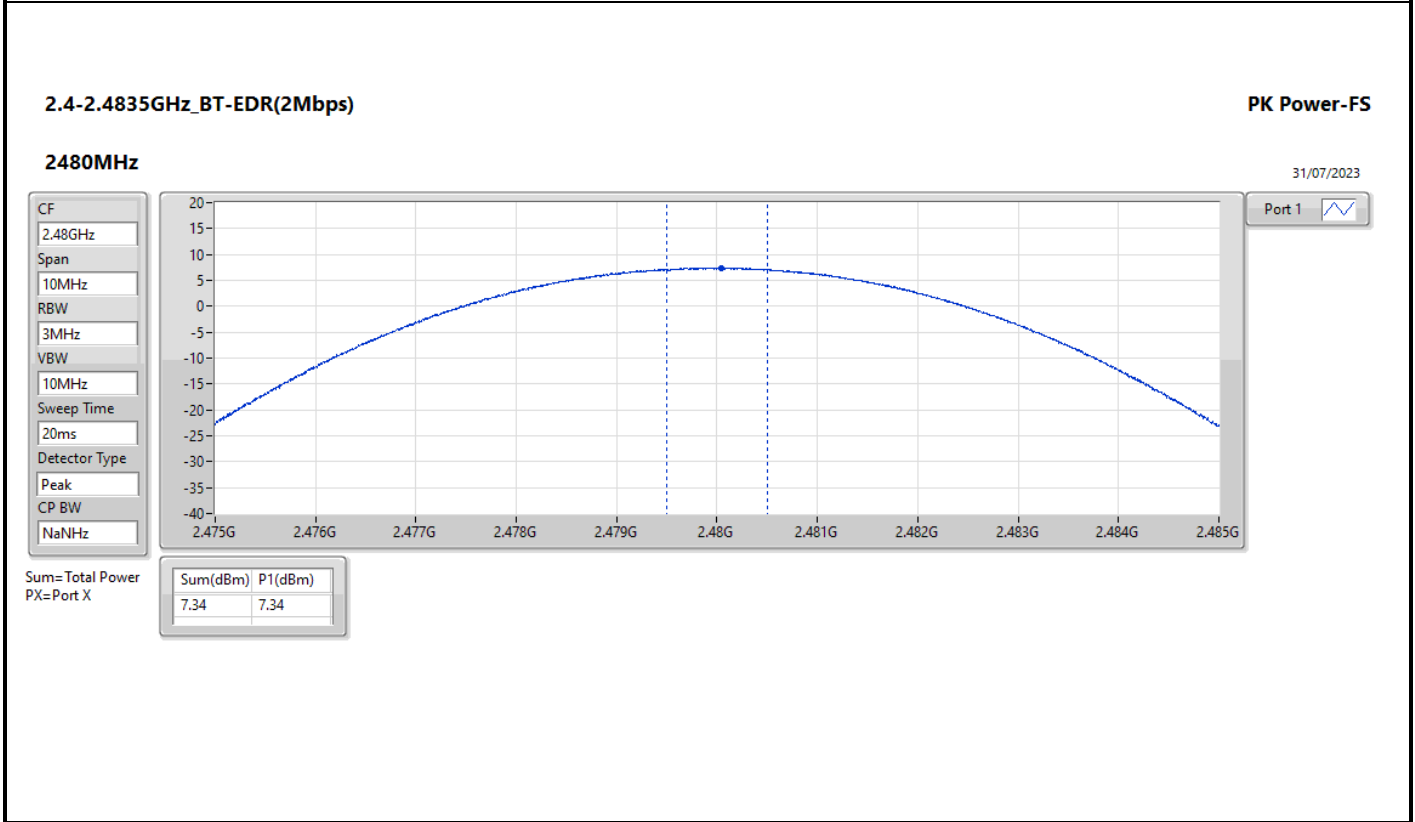
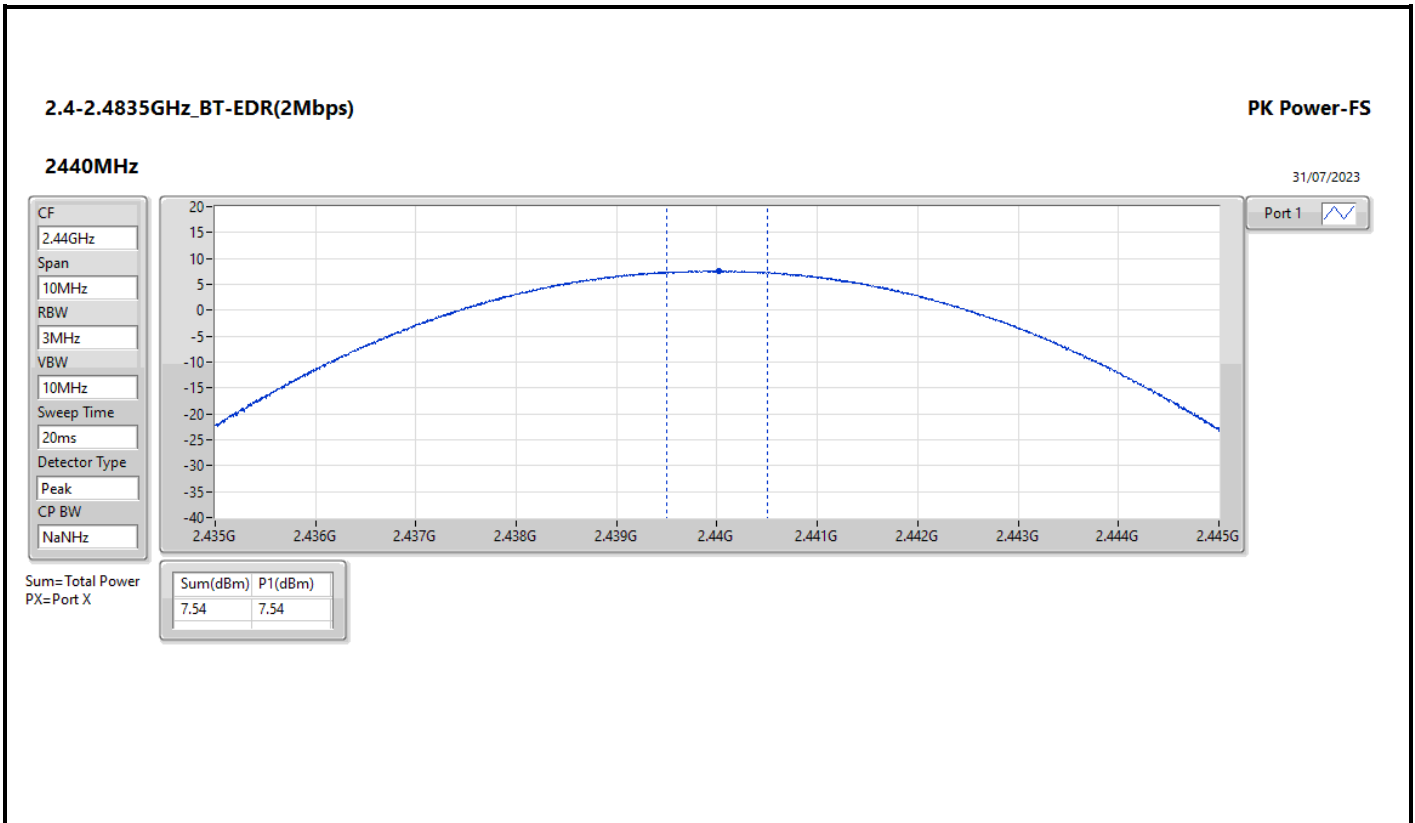
Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	2.81	9.75	21.00
2440MHz	Pass	2.81	9.94	21.00
2480MHz	Pass	2.81	9.33	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	2.81	7.37	21.00
2440MHz	Pass	2.81	7.54	21.00
2480MHz	Pass	2.81	7.34	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	2.81	8.04	21.00
2440MHz	Pass	2.81	8.07	21.00
2480MHz	Pass	2.81	7.63	21.00

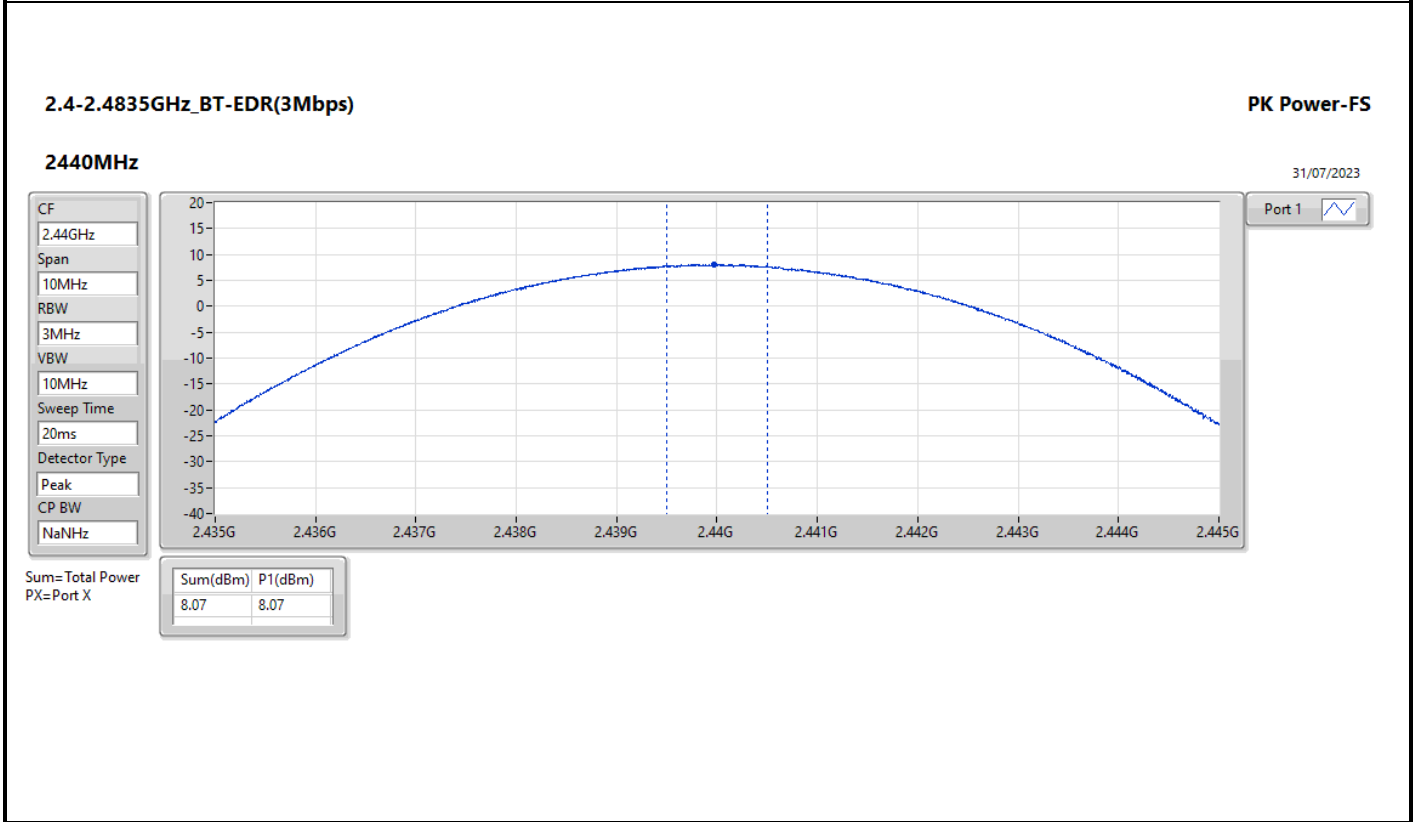
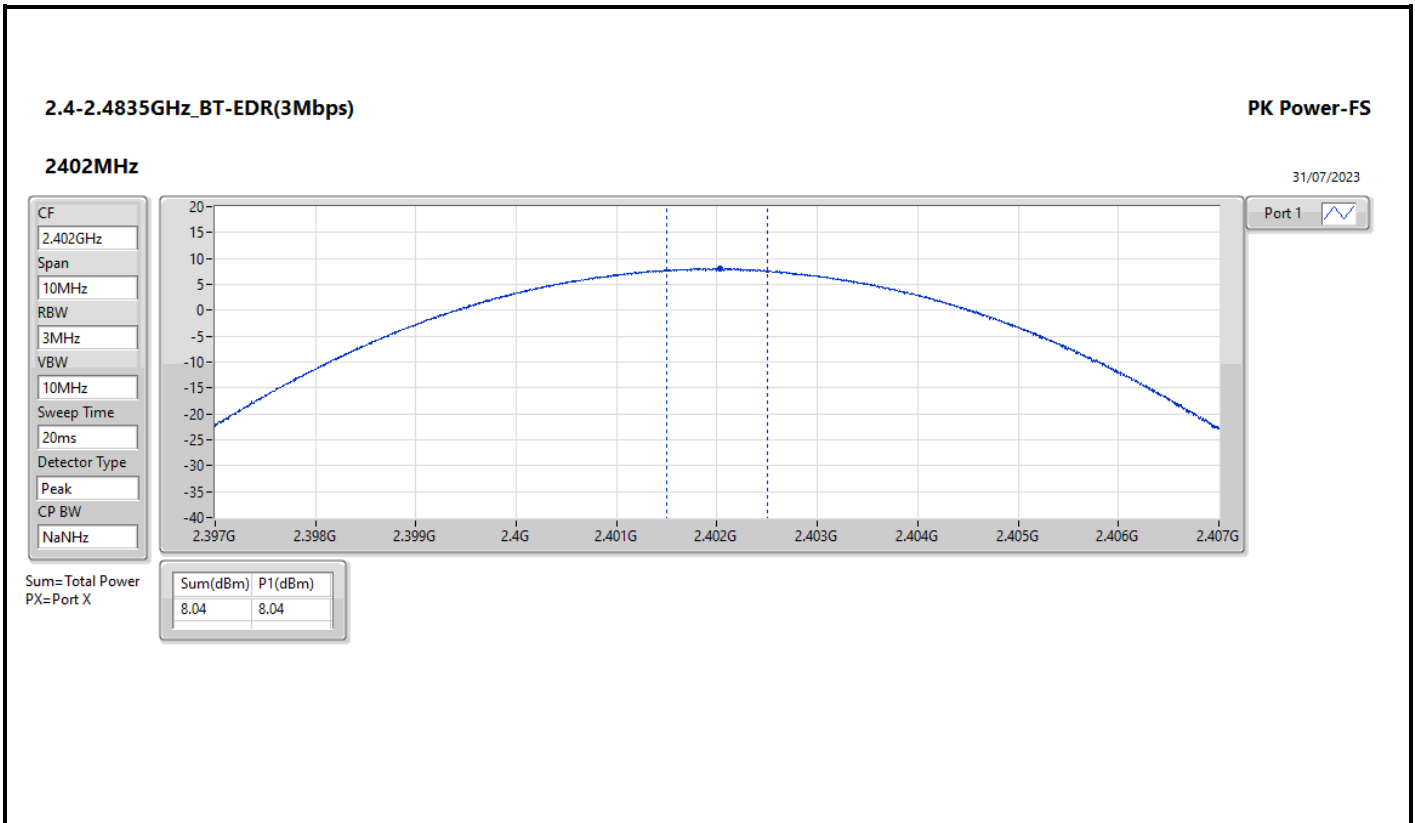
DG = Directional Gain; Port X = Port X output power

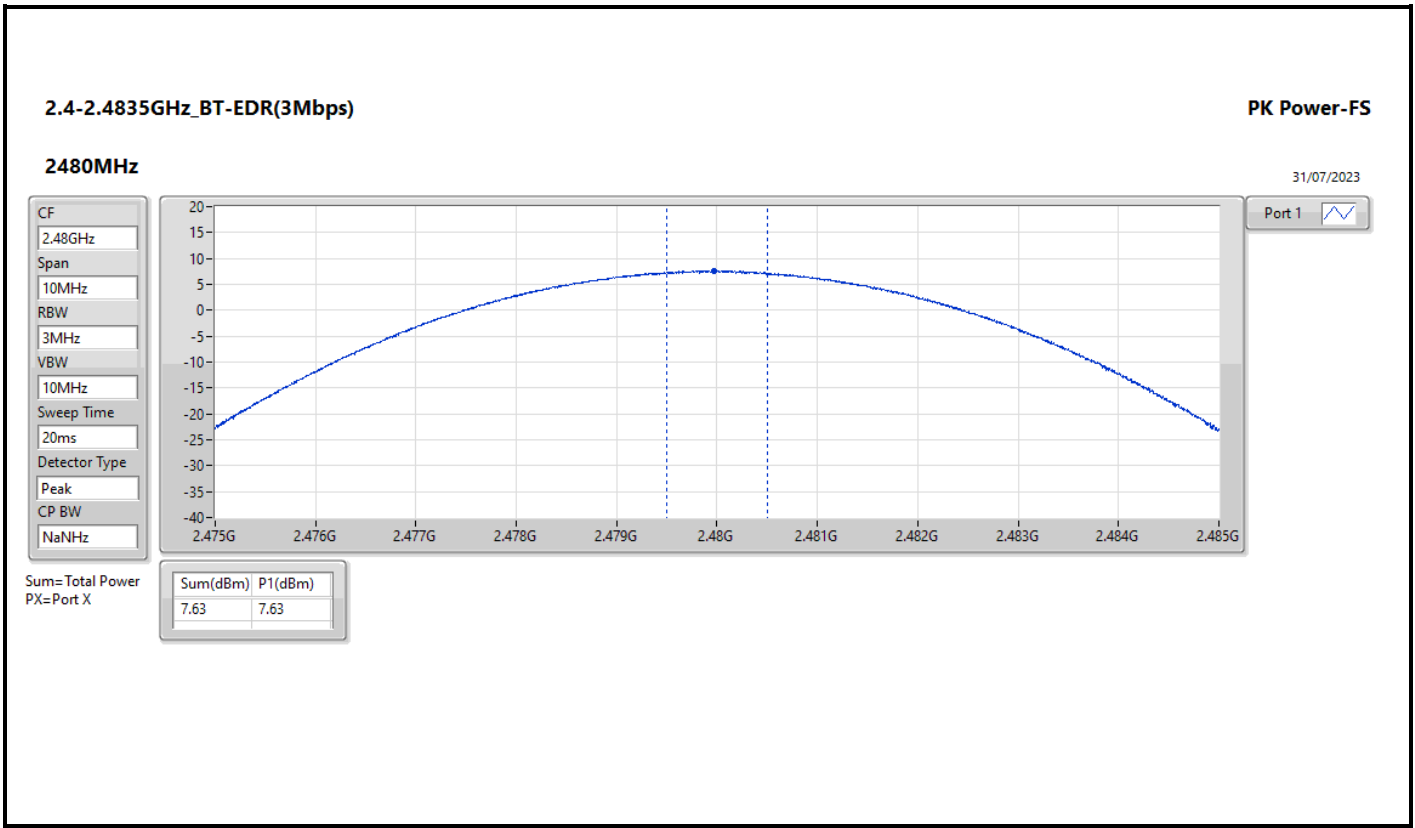














**Summary**

Mode	Total Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	9.86	0.00968
BT-EDR(2Mbps)	5.20	0.00331
BT-EDR(3Mbps)	5.41	0.00348



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	2.81	9.62	21.00
2440MHz	Pass	2.81	9.86	21.00
2480MHz	Pass	2.81	9.18	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	2.81	4.91	21.00
2440MHz	Pass	2.81	5.20	21.00
2480MHz	Pass	2.81	4.85	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	2.81	5.28	21.00
2440MHz	Pass	2.81	5.41	21.00
2480MHz	Pass	2.81	4.92	21.00

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



**Summary**

Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79





**Result**

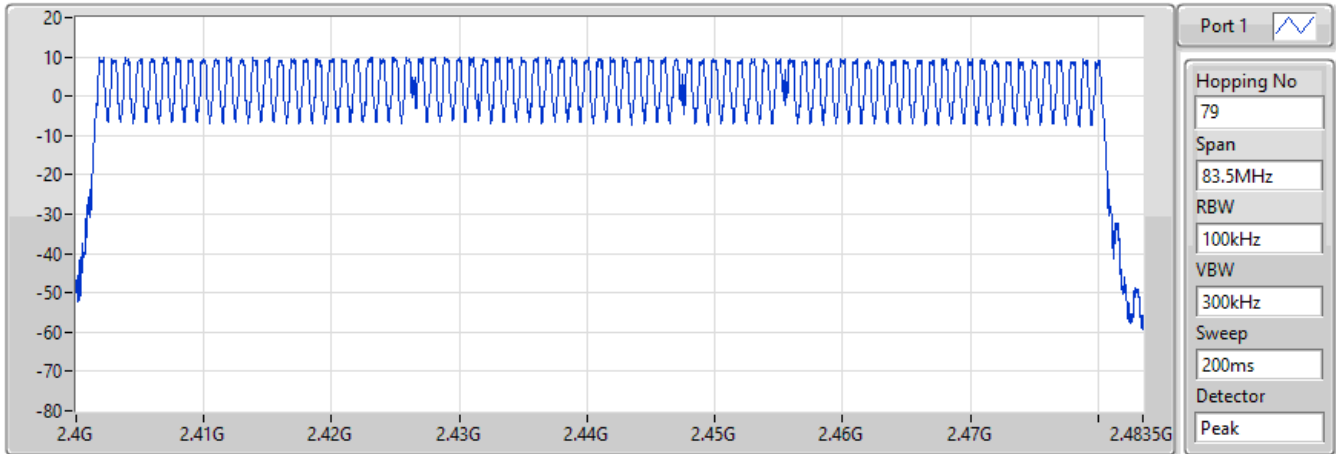
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz	Pass	79	15


### 2.4-2.4835GHz\_BT-BR(1Mbps)

### Hopping-FS

2440MHz

31/07/2023



Port 1 

Hopping No  
79

Span  
83.5MHz

RBW  
100kHz

VBW  
300kHz

Sweep  
200ms

Detector  
Peak

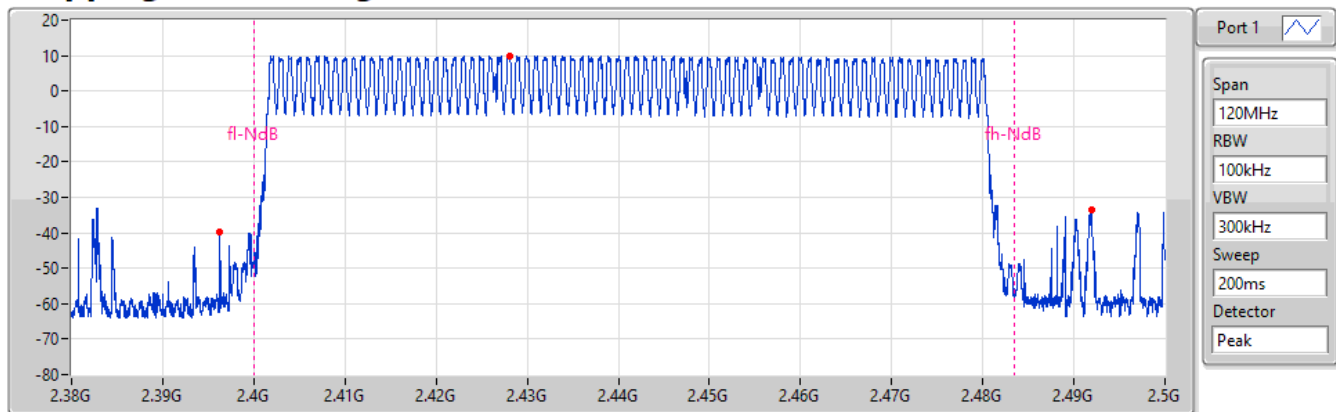
Hopping No	Limit
79	15


### 2.4-2.4835GHz\_BT-BR(1Mbps)

2440MHz

### Hopping Ch Bandedge (Non-restricted Band)

31/07/2023



Port 1 

Span  
120MHz

RBW  
100kHz

VBW  
300kHz

Sweep  
200ms

Detector  
Peak

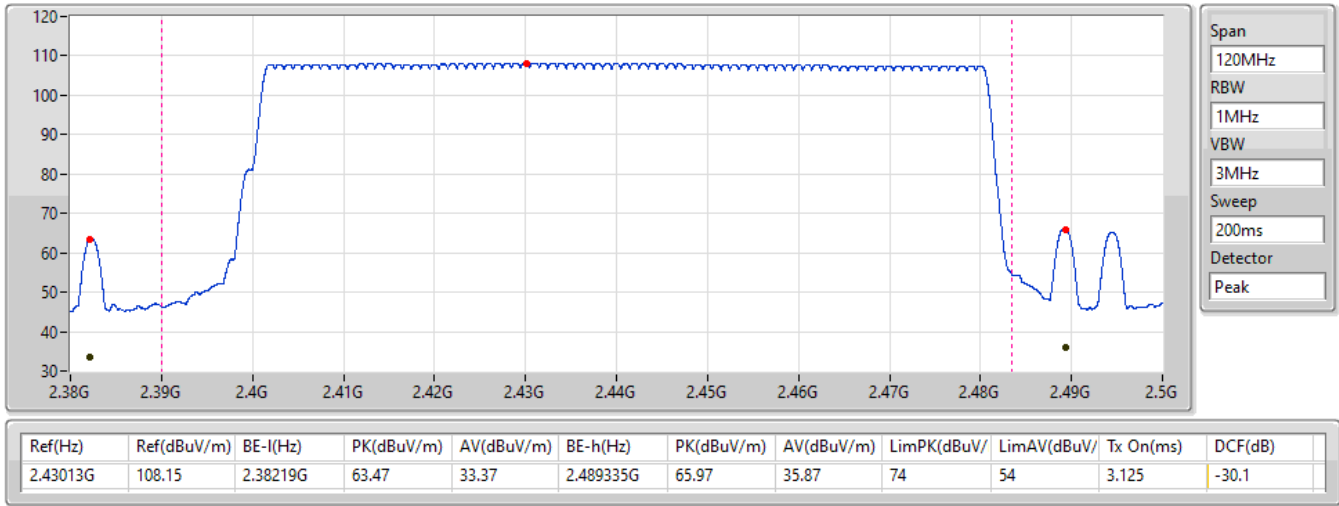
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-10.06	2.428135G	9.94	2.396305G	-39.77	2.49199G	-33.68

### 2.4-2.4835GHz\_BT-BR(1Mbps)

2440MHz

### Hopping Ch Bandedge (Restricted Band)

31/07/2023

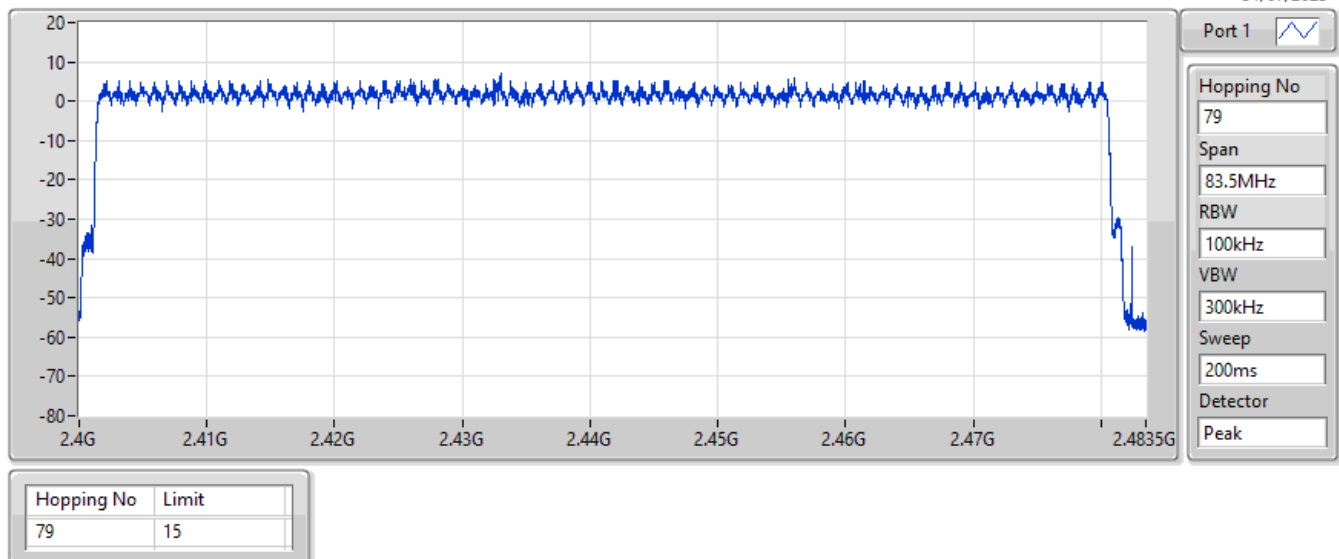


### 2.4-2.4835GHz\_BT-EDR(2Mbps)

2440MHz

### Hopping-FS

31/07/2023

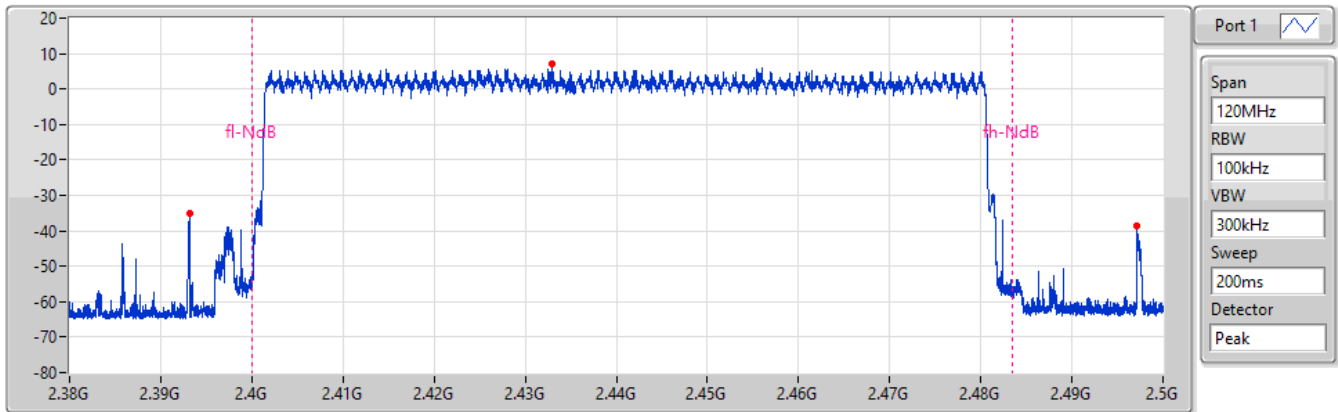


### 2.4-2.4835GHz\_BT-EDR(2Mbps)

2440MHz

### Hopping Ch Bandedge (Non-restricted Band)

31/07/2023



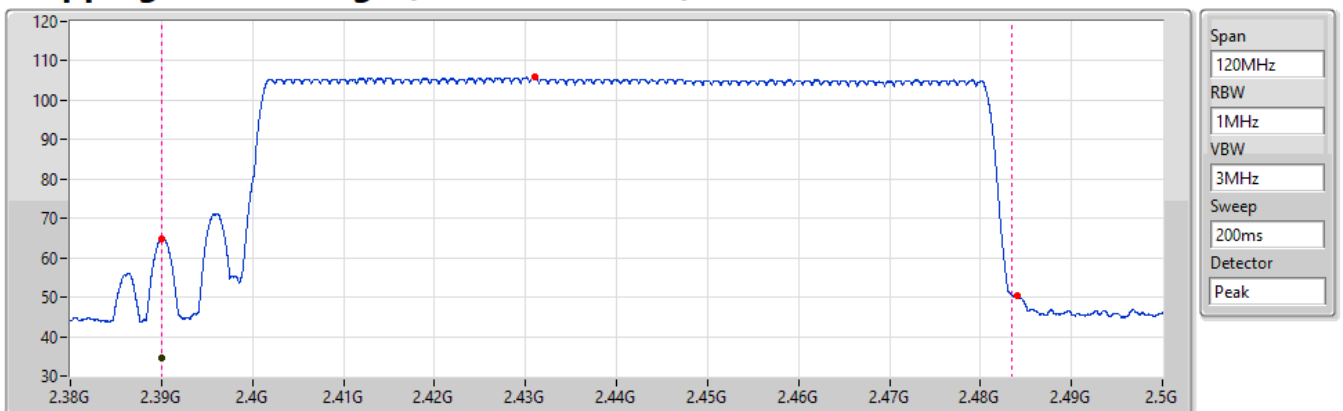
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-13.03	2.43298G	6.97	2.39314G	-35.22	2.49706G	-38.59

### 2.4-2.4835GHz\_BT-EDR(2Mbps)

2440MHz

### Hopping Ch Bandedge (Restricted Band)

31/07/2023

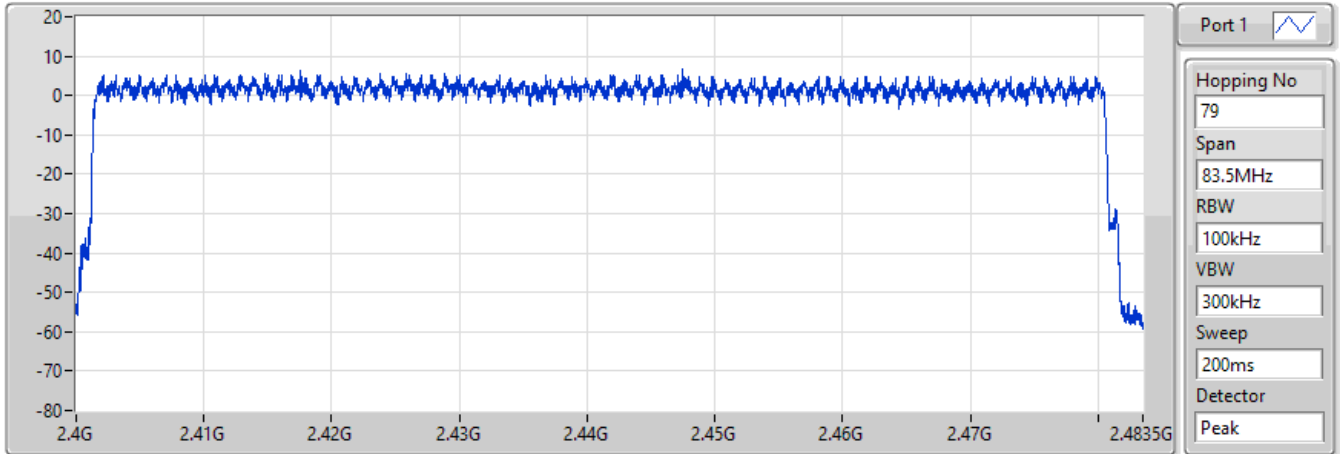



Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.431075G	105.79	2.38996G	64.7	34.6	2.483995G	50.45	20.35	74	54	3.125	-30.1

**2.4-2.4835GHz\_BT-EDR(3Mbps)**  
**2440MHz**

**Hopping-FS**

31/07/2023



Port 1 

Hopping No  
79

Span  
83.5MHz

RBW  
100kHz

VBW  
300kHz

Sweep  
200ms

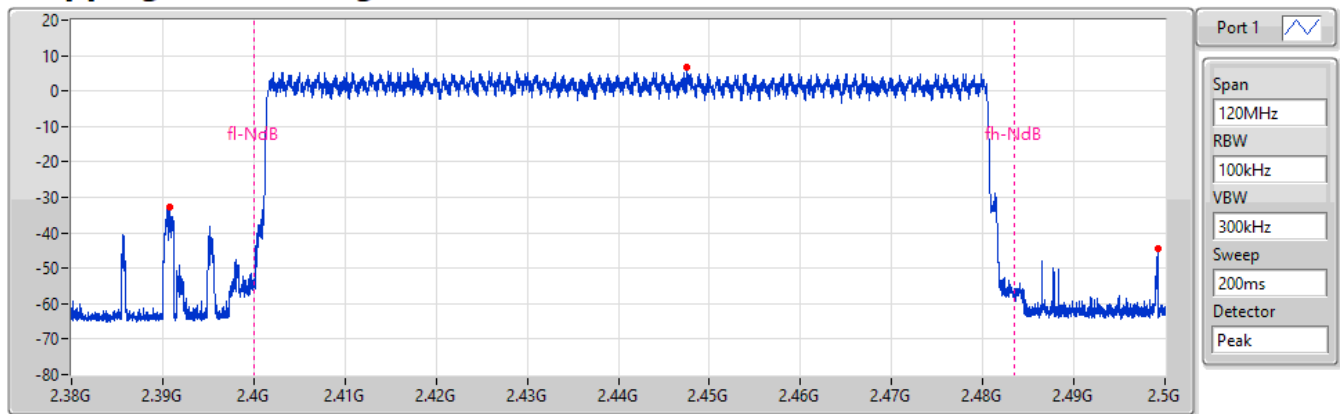
Detector  
Peak


Hopping No	Limit
79	15

**2.4-2.4835GHz\_BT-EDR(3Mbps)**  
**2440MHz**

**Hopping Ch Bandedge (Non-restricted Band)**

31/07/2023



Port 1 

Span  
120MHz

RBW  
100kHz

VBW  
300kHz

Sweep  
200ms

Detector  
Peak

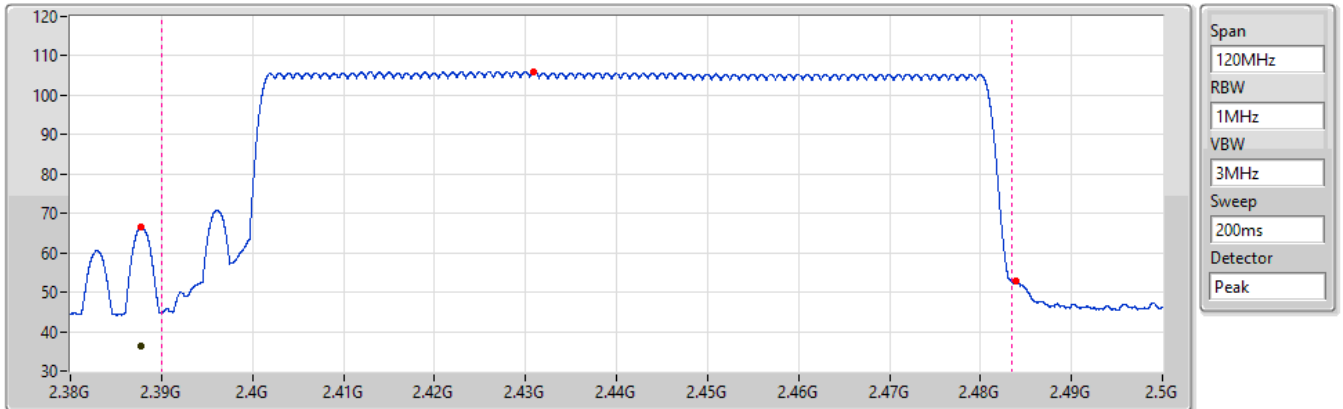
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-13.47	2.44747G	6.53	2.39074G	-32.62	2.499205G	-44.55

2.4-2.4835GHz\_BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

31/07/2023



Span: 120MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep: 200ms  
 Detector: Peak

Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.43091G	106.06	2.387785G	66.45	36.35	2.483935G	52.81	22.71	74	54	3.125	-30.1



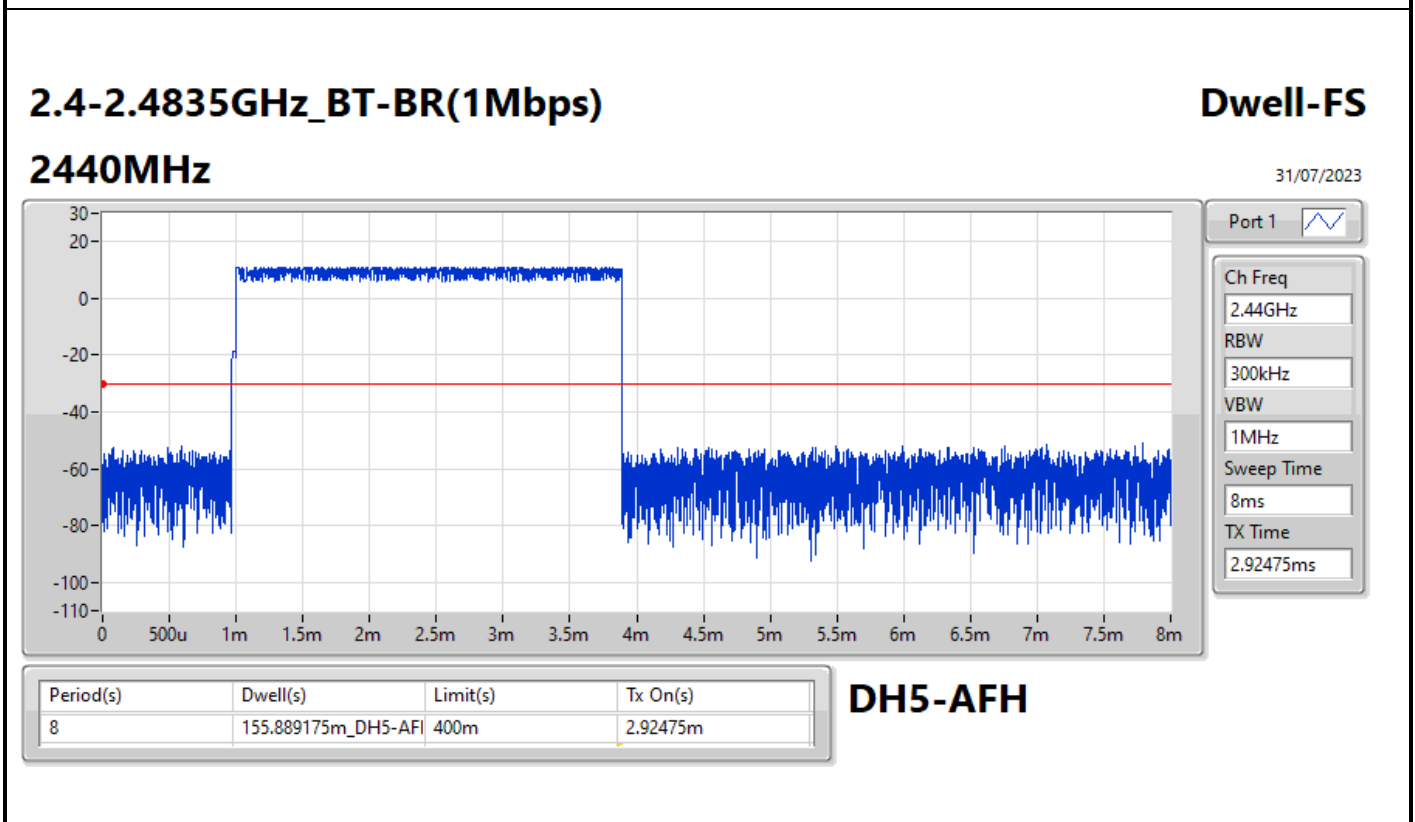
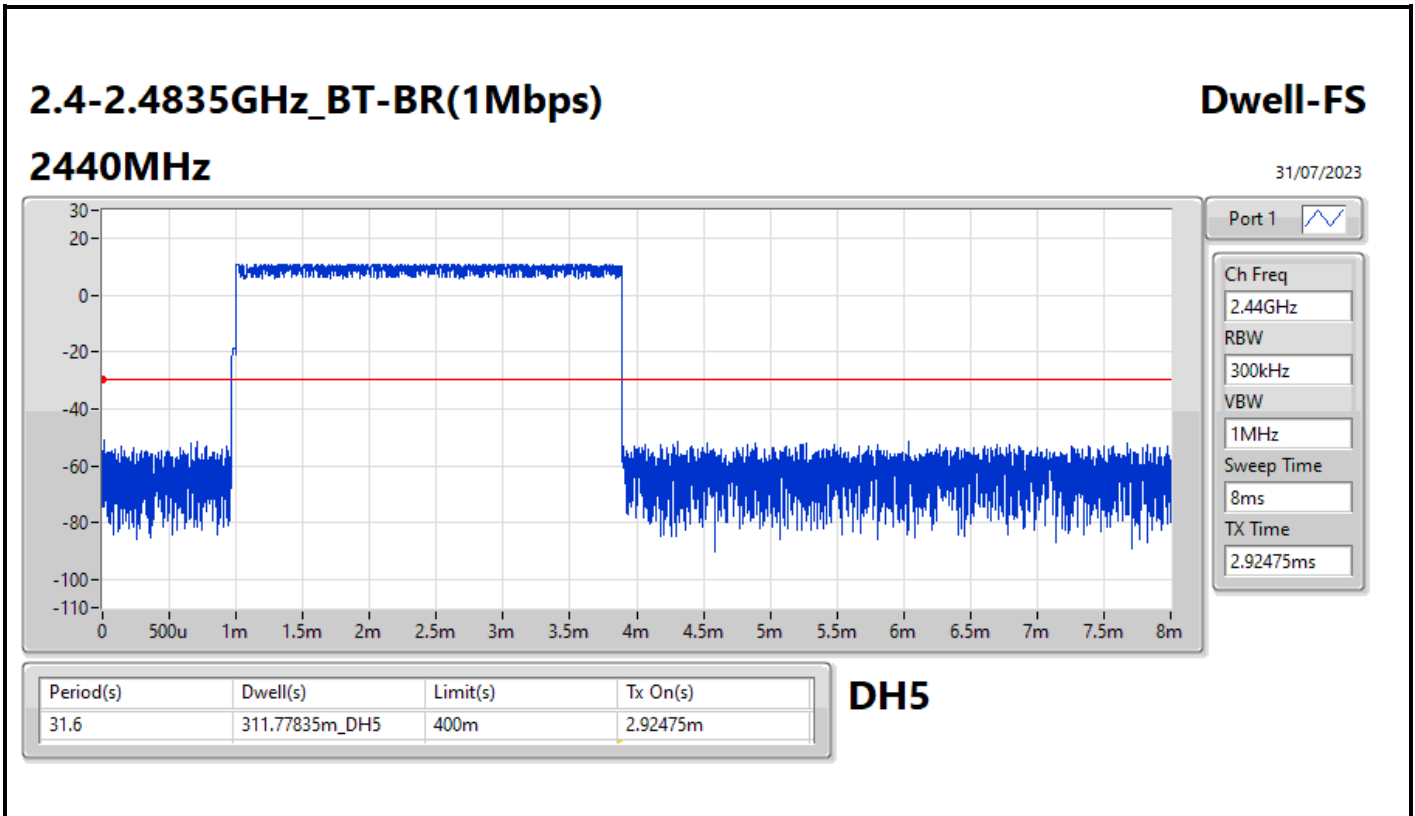
**Summary**

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	311.77835m_DH5
BT-EDR(2Mbps)	311.61845m_DH5
BT-EDR(3Mbps)	311.83165m_DH5

**Result**

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	311.77835m_DH5	400m	2.92475m
2440MHz	Pass	8	155.889175m_DH5-AFH	400m	2.92475m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	311.61845m_DH5	400m	2.92325m
2440MHz	Pass	8	155.809225m_DH5-AFH	400m	2.92325m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	311.83165m_DH5	400m	2.92525m
2440MHz	Pass	8	136.90105m_DH5-AFH	400m	2.5685m



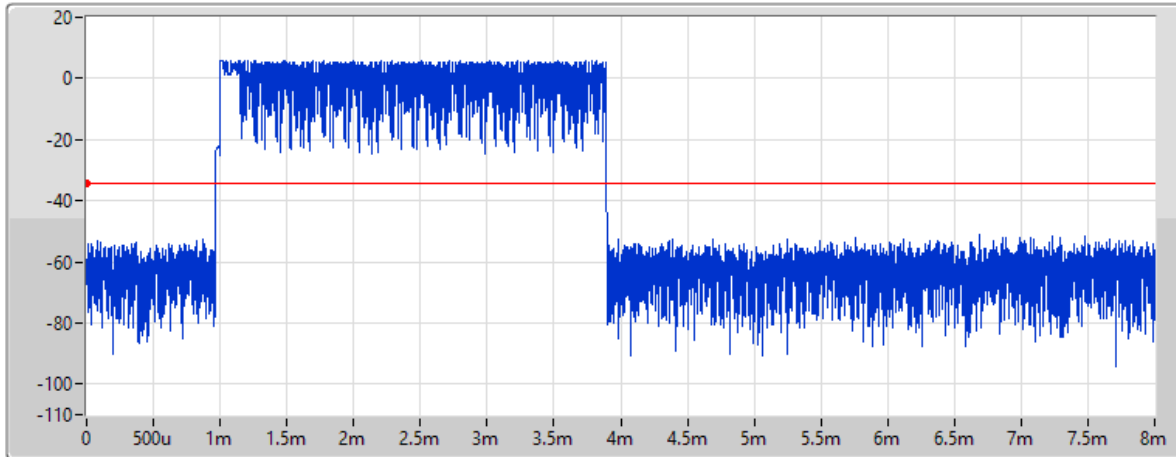



2.4-2.4835GHz\_BT-EDR(2Mbps)

Dwell-FS

2440MHz

31/07/2023



Port 1 

Ch Freq  
2.44GHz

RBW  
300kHz

VBW  
1MHz

Sweep Time  
8ms

TX Time  
2.92325ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	311.61845m_DH5	400m	2.92325m

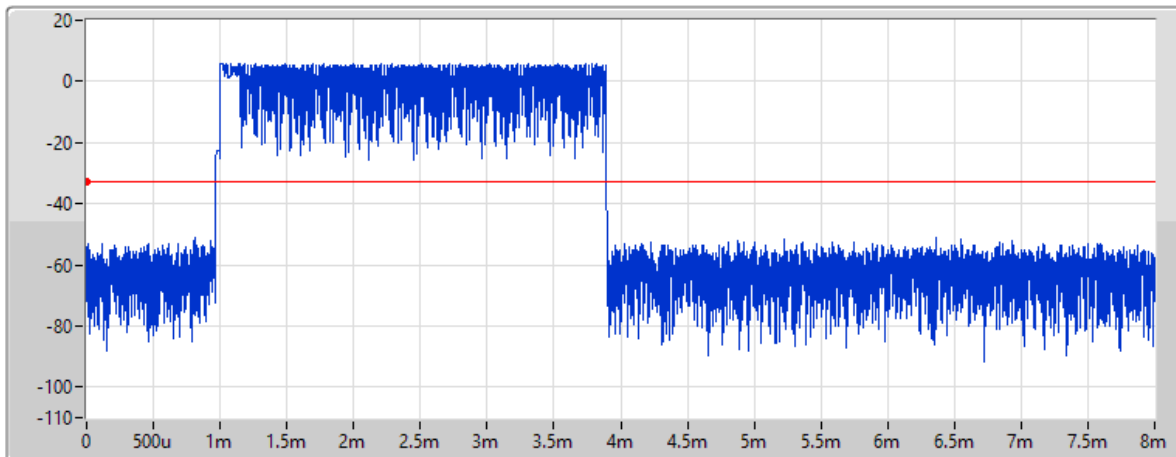
**DH5**


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

Dwell-FS

2440MHz

31/07/2023



Port 1 

Ch Freq  
2.44GHz

RBW  
300kHz

VBW  
1MHz

Sweep Time  
8ms

TX Time  
2.92325ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	155.809225m_DH5-AFH	400m	2.92325m

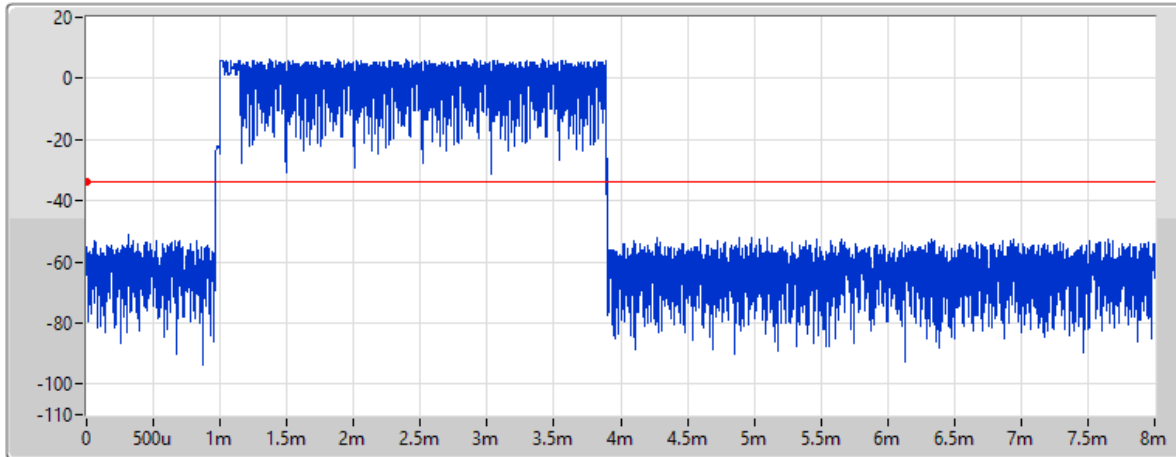
**DH5-AFH**

2.4-2.4835GHz\_BT-EDR(3Mbps)

Dwell-FS

2440MHz

31/07/2023



Port 1 

Ch Freq  
2.44GHz

RBW  
300kHz

VBW  
1MHz

Sweep Time  
8ms

TX Time  
2.92525ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	311.83165m_DH5	400m	2.92525m

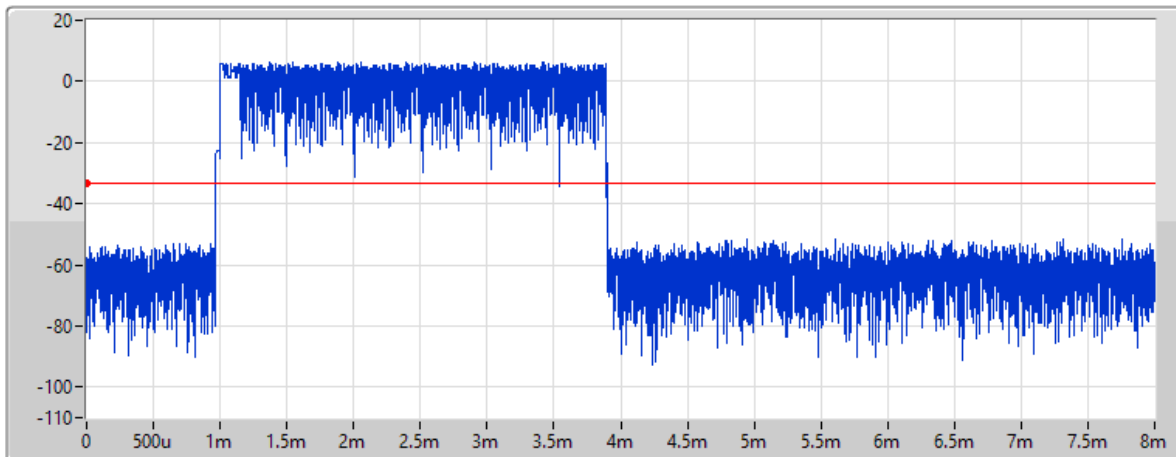
**DH5**


2.4-2.4835GHz\_BT-EDR(3Mbps)

Dwell-FS

2440MHz

31/07/2023



Port 1 

Ch Freq  
2.44GHz

RBW  
300kHz

VBW  
1MHz

Sweep Time  
8ms

TX Time  
2.5685ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	136.90105m_DH5-AFH	400m	2.5685m

**DH5-AFH**

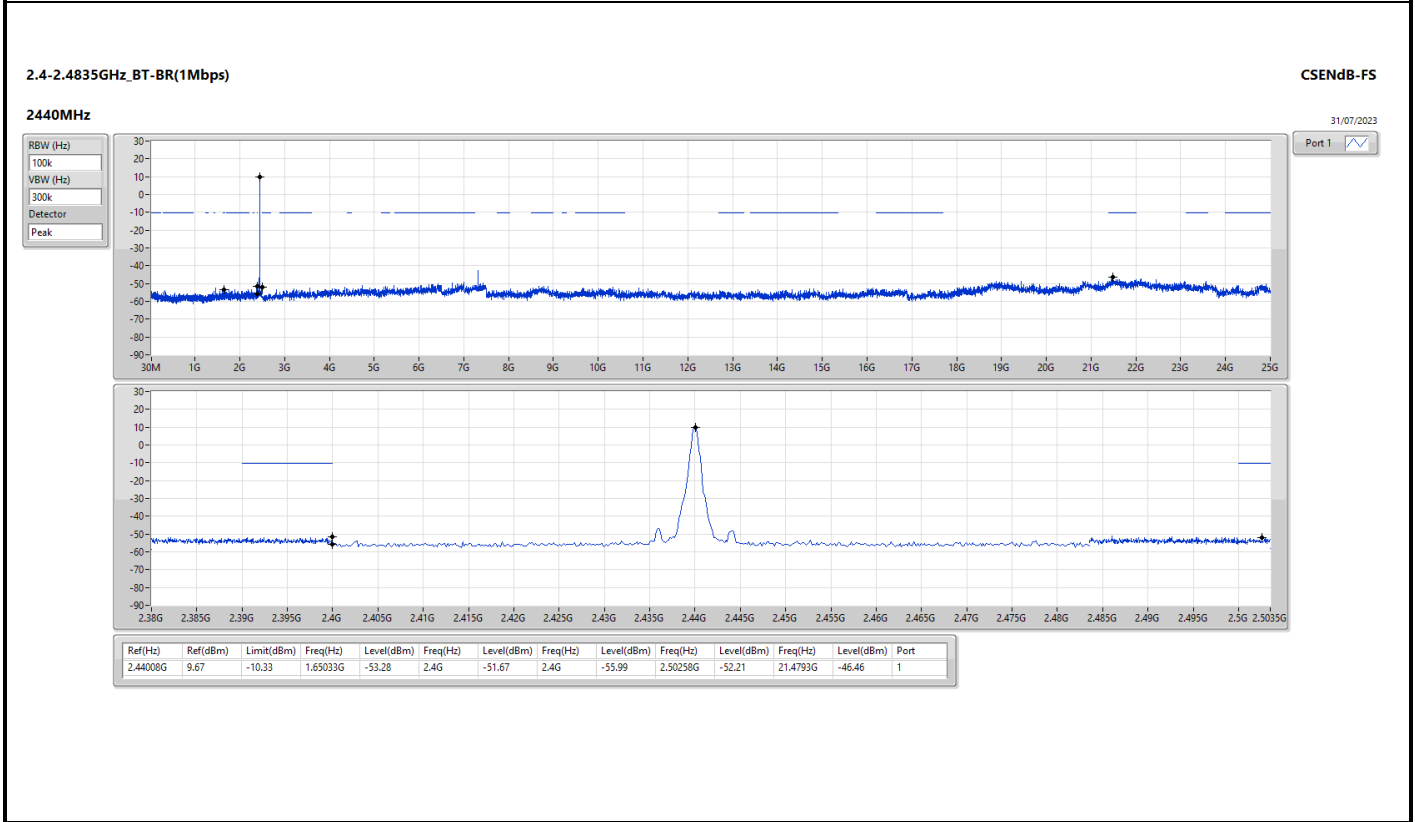
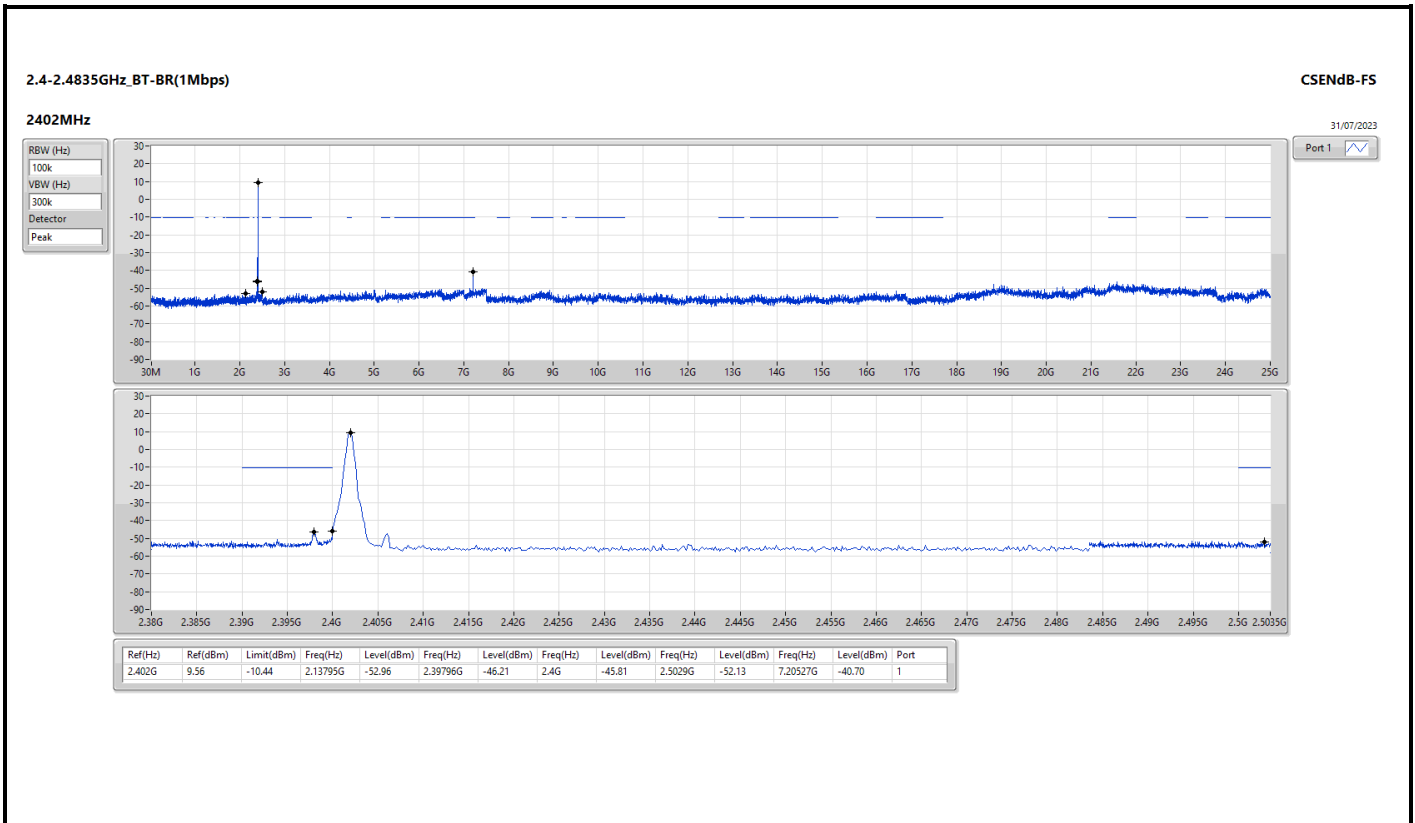


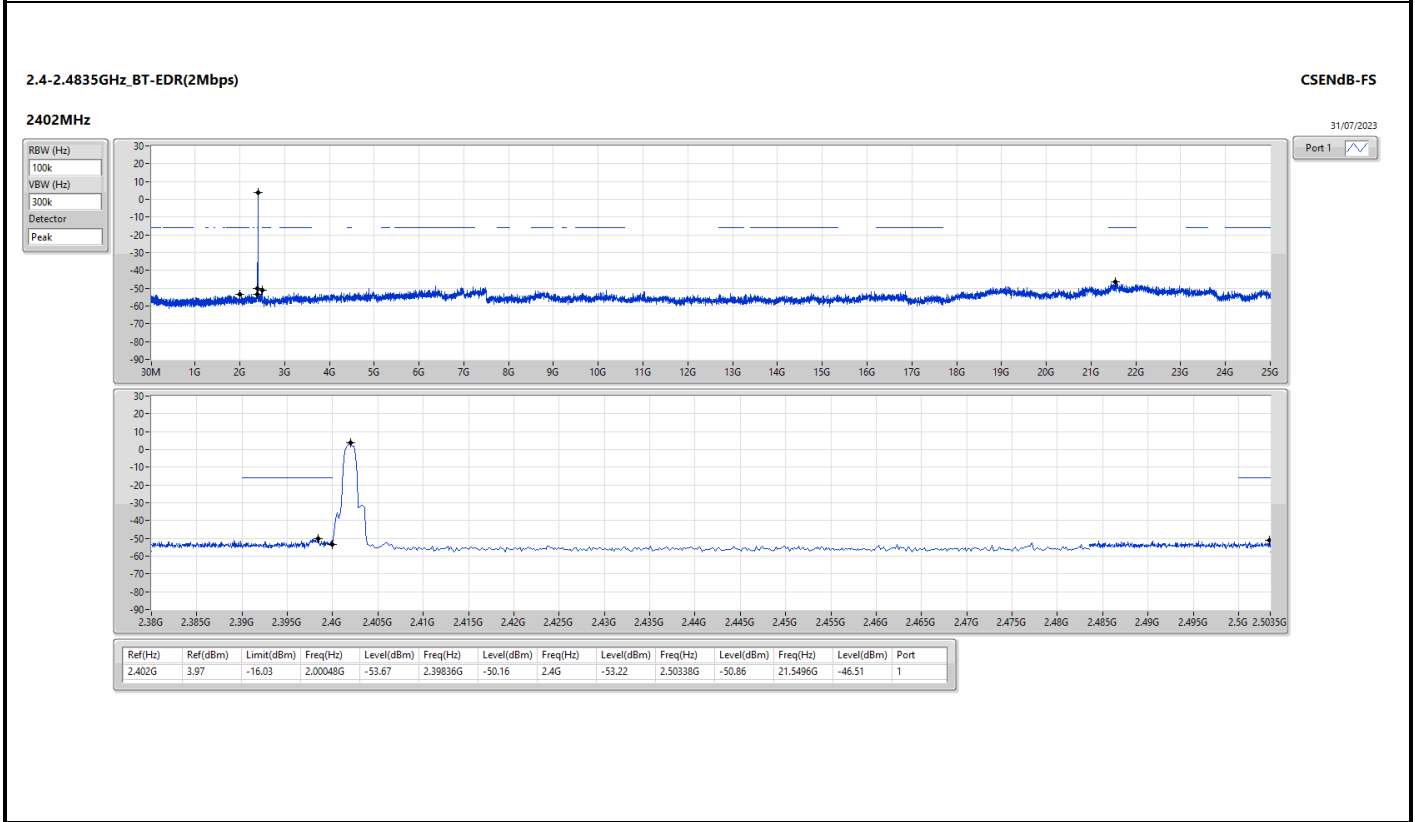
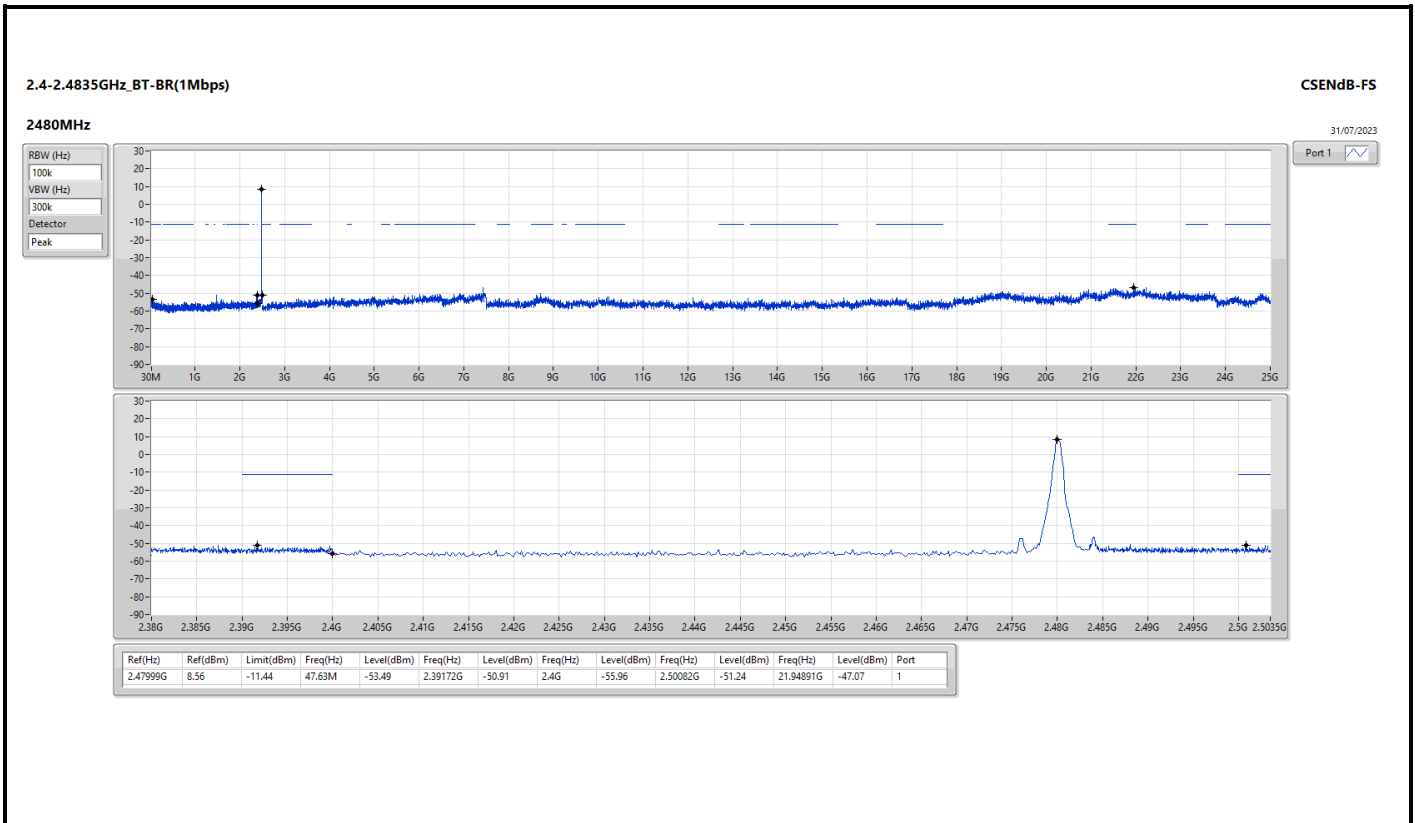
Summary

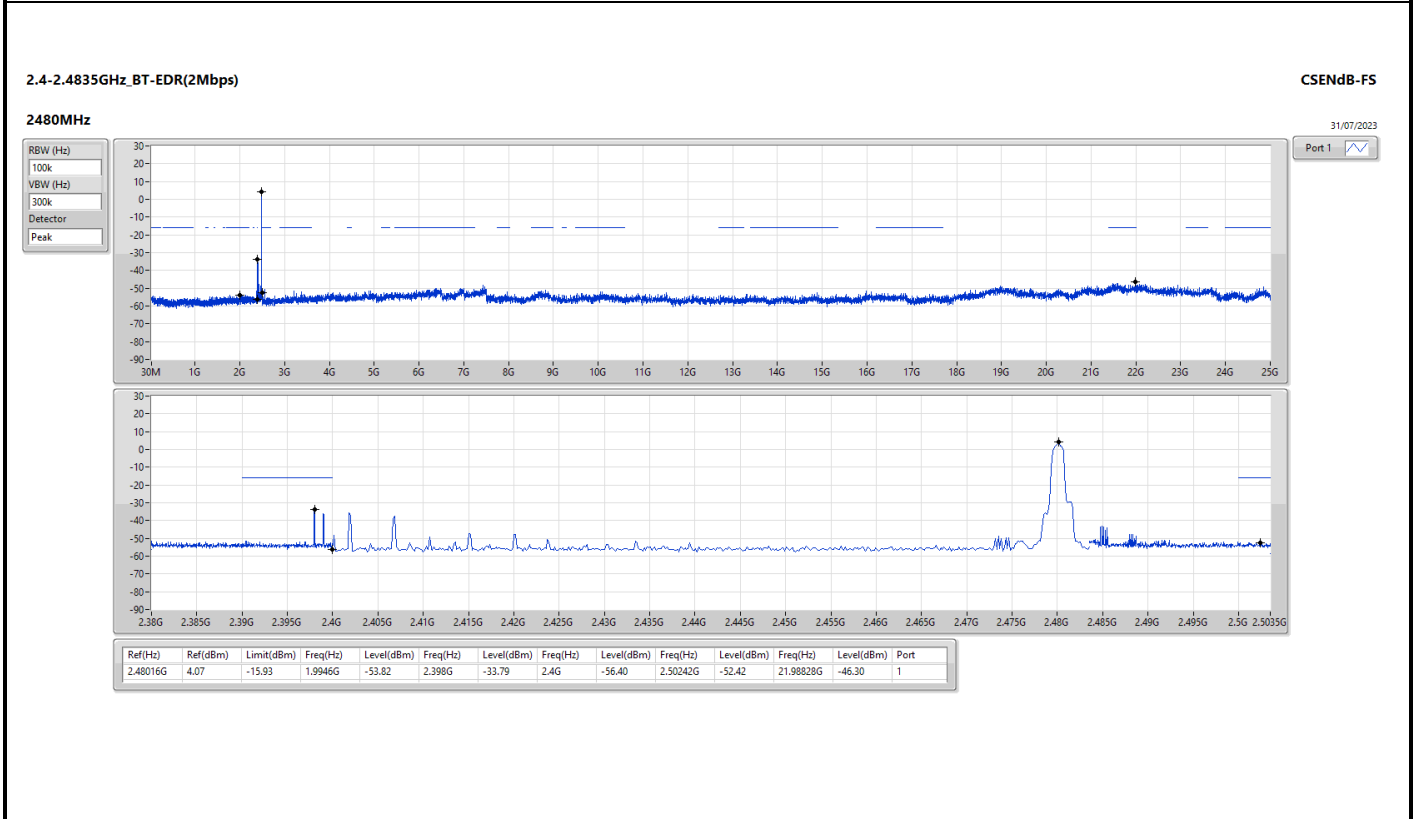
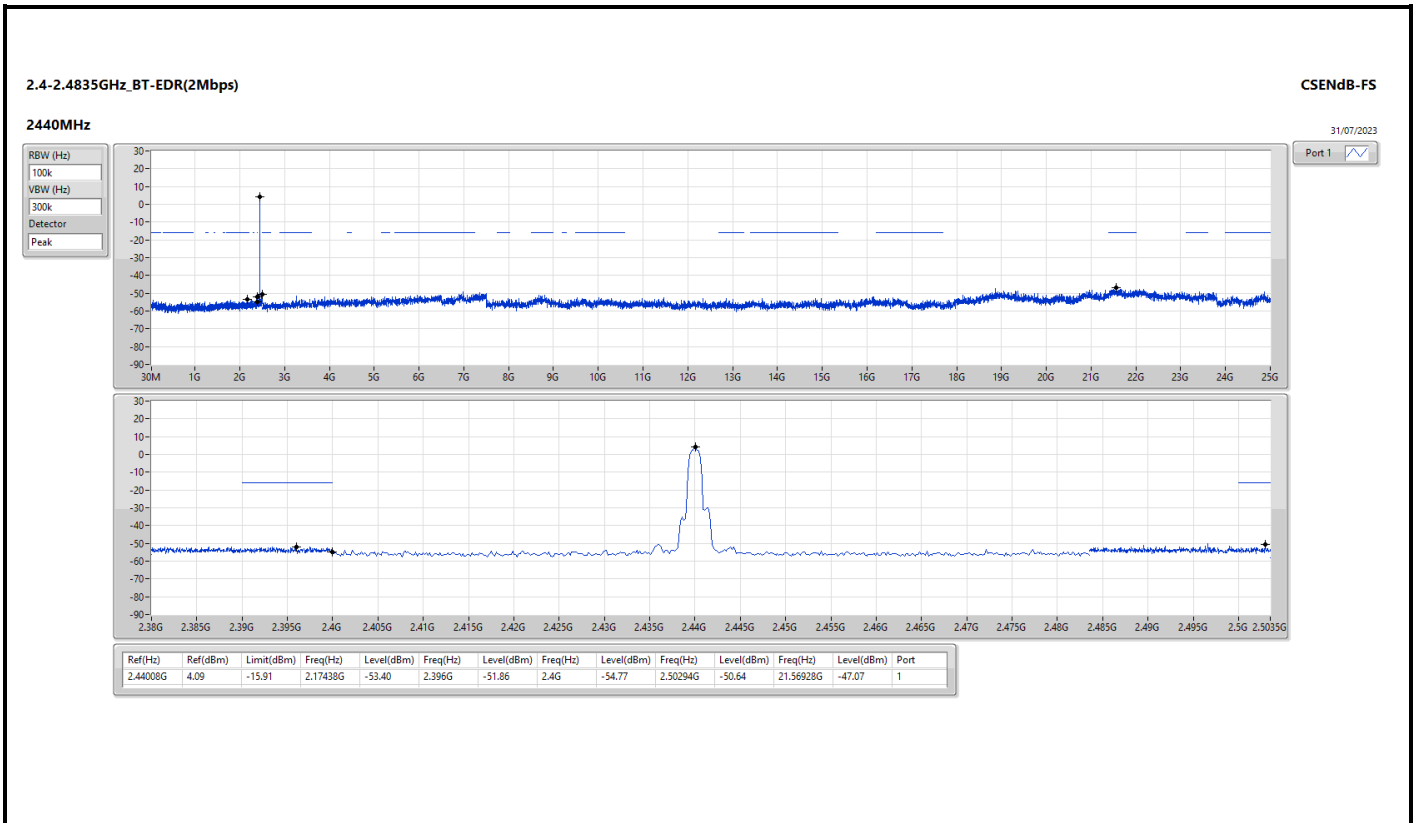
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.402G	9.56	-10.44	2.13795G	-52.96	2.39796G	-46.21	2.4G	-45.81	2.5029G	-52.13	7.20527G	-40.70	1
BT-EDR(2Mbps)	Pass	2.48016G	4.07	-15.93	1.9946G	-53.82	2.398G	-33.79	2.4G	-56.40	2.50242G	-52.42	21.98828G	-46.30	1
BT-EDR(3Mbps)	Pass	2.402G	4.72	-15.28	1.8724G	-53.33	2.3978G	-48.87	2.4G	-51.98	2.5001G	-51.55	21.66489G	-47.05	1

Result

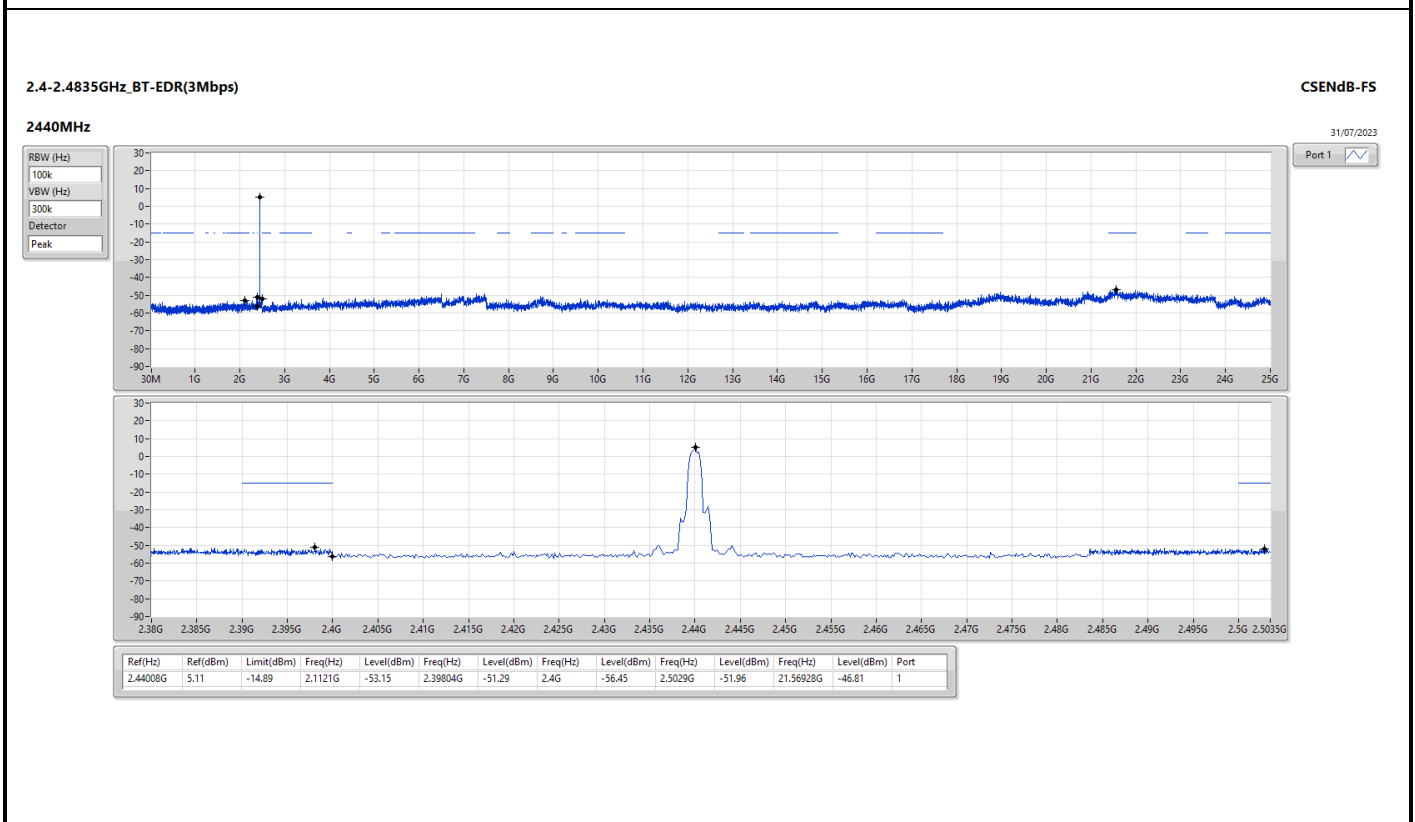
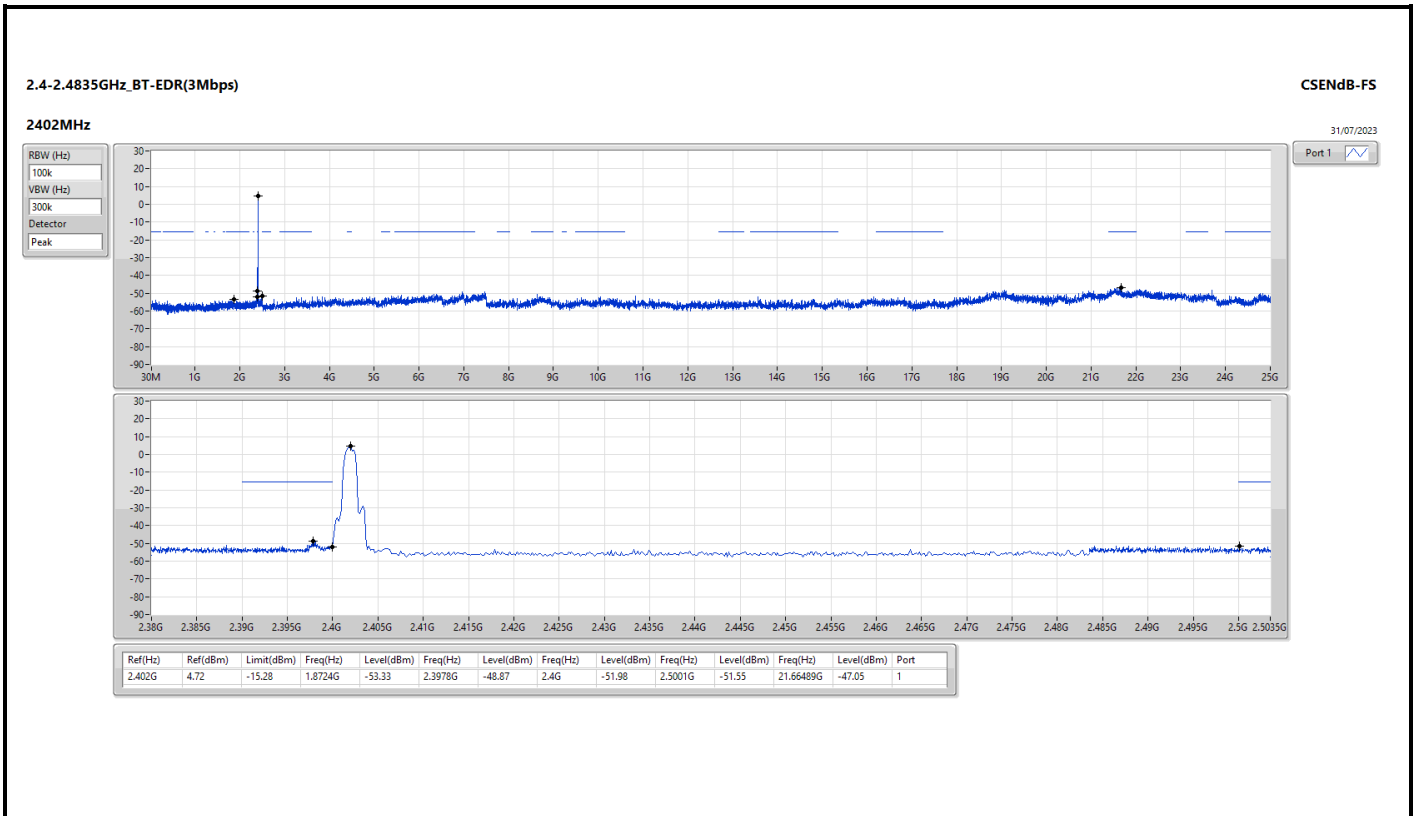
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	9.56	-10.44	2.13795G	-52.96	2.39796G	-46.21	2.4G	-45.81	2.5029G	-52.13	7.20527G	-40.70	1
2440MHz	Pass	2.44008G	9.67	-10.33	1.65033G	-53.28	2.4G	-51.67	2.4G	-55.99	2.50258G	-52.21	21.4793G	-46.46	1
2480MHz	Pass	2.47999G	8.56	-11.44	47.63M	-53.49	2.39172G	-50.91	2.4G	-55.96	2.50082G	-51.24	21.94891G	-47.07	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	3.97	-16.03	2.00048G	-53.67	2.39836G	-50.16	2.4G	-53.22	2.50338G	-50.86	21.5496G	-46.51	1
2440MHz	Pass	2.44008G	4.09	-15.91	2.17438G	-53.40	2.396G	-51.86	2.4G	-54.77	2.50294G	-50.64	21.56928G	-47.07	1
2480MHz	Pass	2.48016G	4.07	-15.93	1.9946G	-53.82	2.398G	-33.79	2.4G	-56.40	2.50242G	-52.42	21.98828G	-46.30	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	4.72	-15.28	1.8724G	-53.33	2.3978G	-48.87	2.4G	-51.98	2.5001G	-51.55	21.66489G	-47.05	1
2440MHz	Pass	2.44008G	5.11	-14.89	2.1121G	-53.15	2.39804G	-51.29	2.4G	-56.45	2.5029G	-51.96	21.56928G	-46.81	1
2480MHz	Pass	2.48016G	4.85	-15.15	1.94878G	-53.58	2.3926G	-51.67	2.4G	-56.15	2.50234G	-52.32	21.53273G	-47.00	1

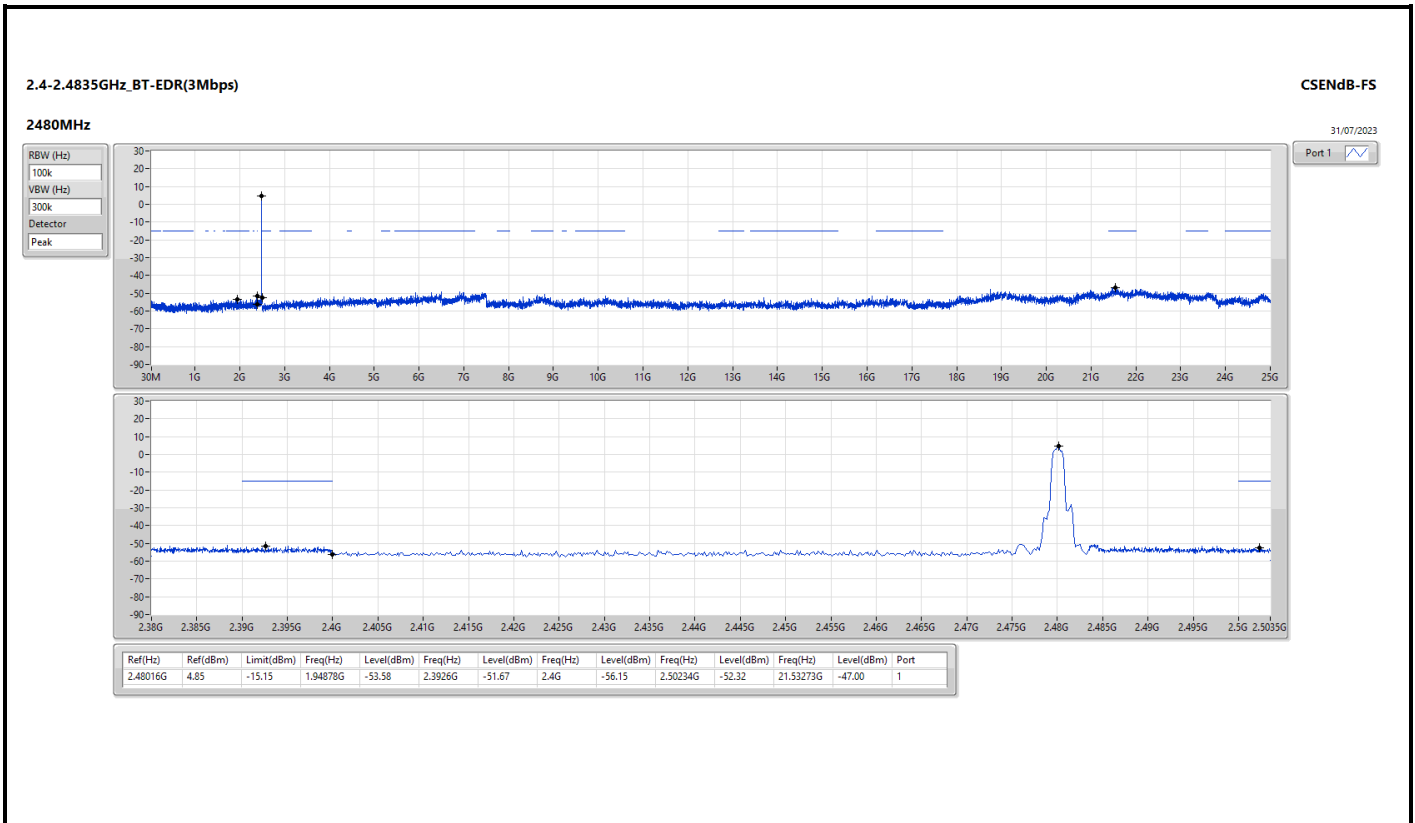










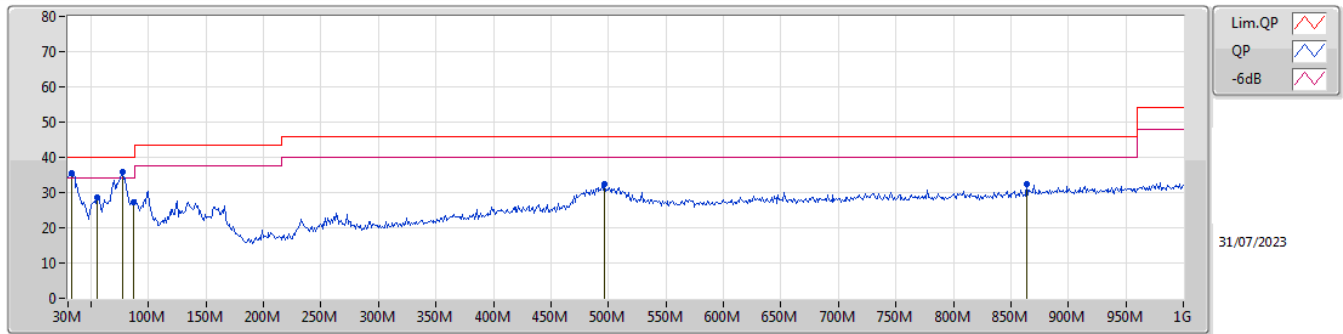




**Summary**

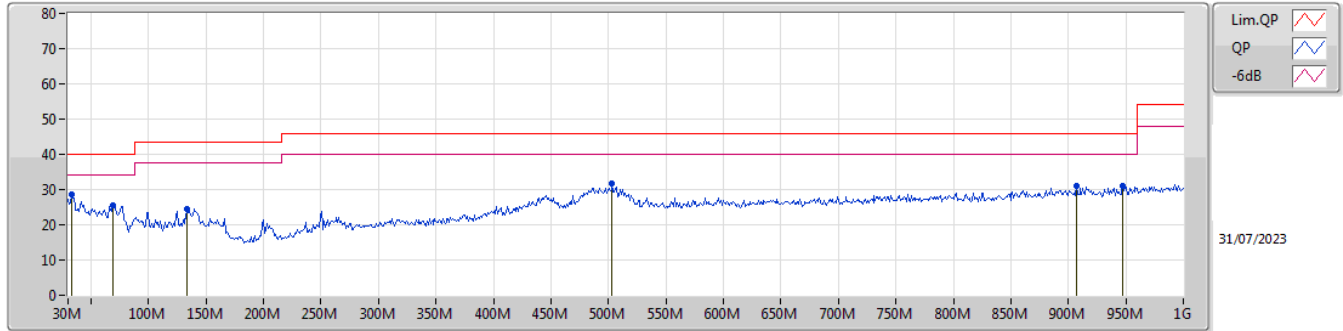
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	PK	77.53M	35.77	40.00	-4.23	Vertical

Mode 3



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	32.91M	35.62	40.00	-4.38	-8.02	3	Vertical	6	1.00	-	43.64	22.55	1.05	31.62
PK	55.22M	28.61	40.00	-11.39	-17.72	3	Vertical	240	1.00	-	46.33	12.85	1.31	31.88
PK	77.53M	35.77	40.00	-4.23	-17.80	3	Vertical	56	1.00	"Worst"	53.57	12.63	1.53	31.96
PK	87.23M	27.37	40.00	-12.63	-16.09	3	Vertical	39	1.00	-	43.46	14.24	1.60	31.93
PK	496.57M	32.42	46.00	-13.58	-5.06	3	Vertical	217	1.00	-	37.48	23.24	3.97	32.27
PK	864.2M	32.25	46.00	-13.75	-1.07	3	Vertical	294	1.50	-	33.32	26.03	5.48	32.58

## Mode 3



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	32.91M	28.45	40.00	-11.55	-8.02	3	Horizontal	146	1.00	"Worst"	36.47	22.55	1.05	31.62
PK	68.8M	25.37	40.00	-14.63	-18.11	3	Horizontal	248	1.50	-	43.48	12.35	1.44	31.90
PK	133.79M	24.54	43.50	-18.96	-12.25	3	Horizontal	0	1.50	-	36.79	17.76	1.96	31.97
PK	503.36M	31.74	46.00	-14.26	-4.97	3	Horizontal	203	1.00	-	36.71	23.31	4.00	32.28
PK	906.88M	31.12	46.00	-14.88	-0.41	3	Horizontal	83	1.50	-	31.53	26.38	5.67	32.46
PK	947.62M	31.16	46.00	-14.84	-0.17	3	Horizontal	137	1.00	-	31.33	26.69	5.69	32.55

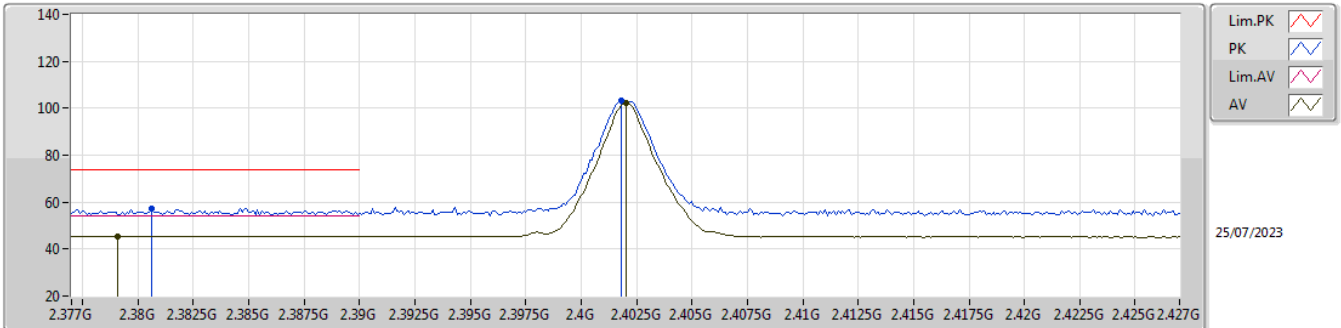


Summary

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-BR(1Mbps)	Pass	AV	12.00592G	47.46	54.00	-6.54	3	Horizontal	231	1.04	-

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

2402MHz\_TX

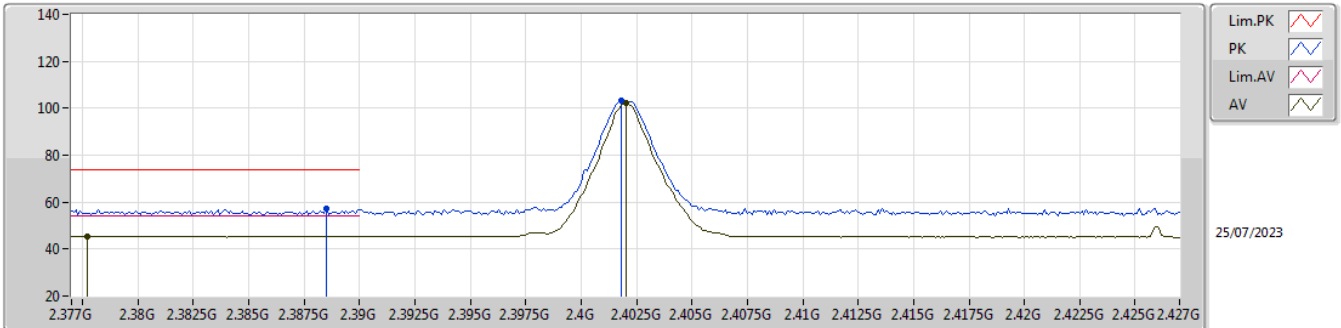


EUT Y\_1TX  
Setting Default  
06-S-5

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	2.3806G	57.18	74.00	-16.82	24.43	3	Vertical	67	2.80	-	27.68	5.07	-
AV	2.3791G	45.43	54.00	-8.57	12.69	3	Vertical	67	2.80	-	27.68	5.06	-
PK	2.4018G	103.05	Inf	-Inf	70.34	3	Vertical	67	2.80	-	27.60	5.11	-
AV	2.402G	102.12	Inf	-Inf	69.41	3	Vertical	67	2.80	-	27.60	5.11	-

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

2402MHz\_TX



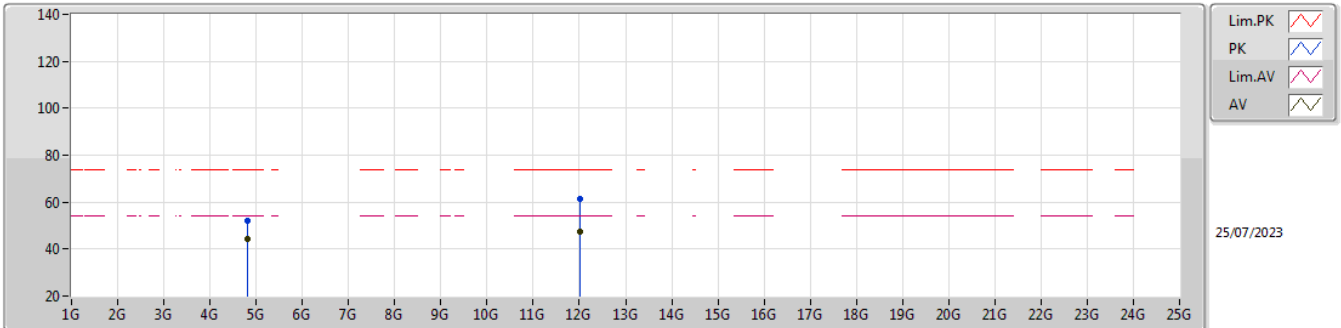
EUT Y\_1TX  
Setting Default  
06-S-5

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	2.3885G	57.10	74.00	-16.90	24.37	3	Horizontal	246	1.18	-	27.65	5.08	-
AV	2.3777G	45.52	54.00	-8.48	12.77	3	Horizontal	246	1.18	-	27.69	5.06	-
PK	2.4018G	103.08	Inf	-Inf	70.37	3	Horizontal	246	1.18	-	27.60	5.11	-
AV	2.402G	102.15	Inf	-Inf	69.44	3	Horizontal	246	1.18	-	27.60	5.11	-



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

2402MHz\_TX

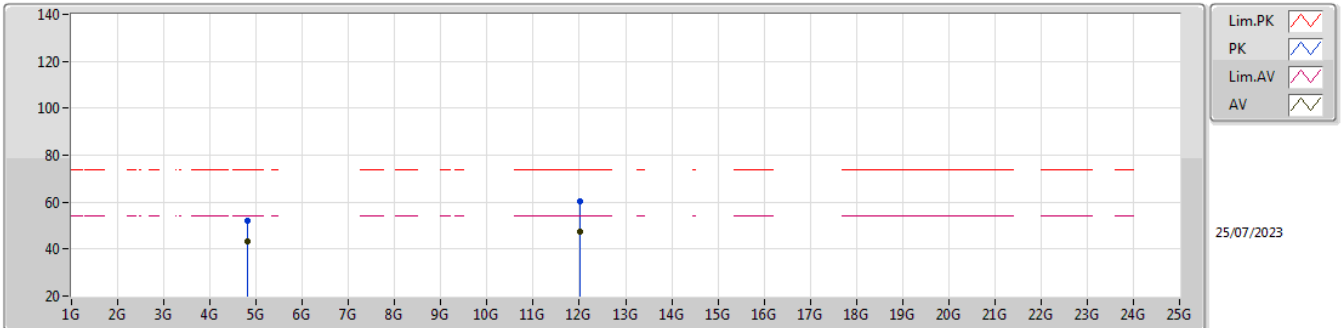


EUT Y\_1TX  
Setting Default  
06-S-5

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	4.8039G	52.12	74.00	-21.88	44.56	3	Vertical	211	1.80	-	31.31	6.75	30.50
AV	4.804G	44.20	54.00	-9.80	36.64	3	Vertical	211	1.80	-	31.31	6.75	30.50
PK	12.01492G	61.20	74.00	-12.80	43.58	3	Vertical	66	1.66	-	39.11	10.48	31.97
AV	12.00636G	47.37	54.00	-6.63	29.76	3	Vertical	66	1.66	-	39.11	10.48	31.98

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

2402MHz\_TX

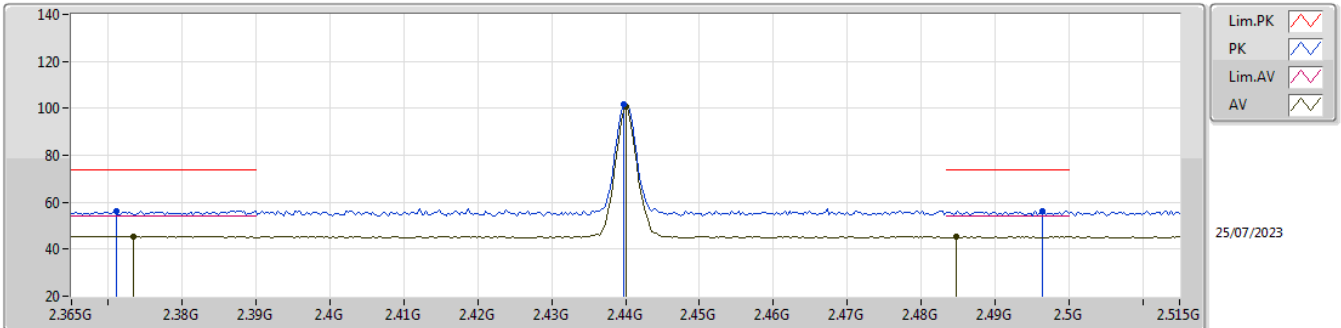


EUT Y\_1TX  
Setting Default  
06-S-5

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	4.8042G	52.01	74.00	-21.99	44.45	3	Horizontal	200	1.01	-	31.31	6.75	30.50
AV	4.80394G	43.39	54.00	-10.61	35.83	3	Horizontal	200	1.01	-	31.31	6.75	30.50
PK	12.0052G	60.23	74.00	-13.77	42.62	3	Horizontal	231	1.04	-	39.11	10.48	31.98
AV	12.00592G	47.46	54.00	-6.54	29.85	3	Horizontal	231	1.04	-	39.11	10.48	31.98

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

2440MHz\_TX

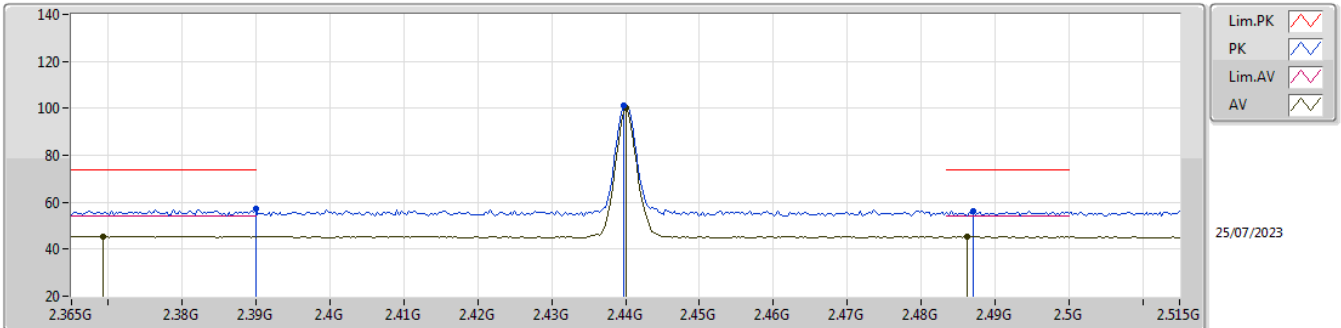


EUT\_Y\_1TX  
Setting Default  
06-S-5

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	2.371G	56.44	74.00	-17.56	23.68	3	Vertical	133	1.51	-	27.72	5.04	-
AV	2.3734G	45.52	54.00	-8.48	12.76	3	Vertical	133	1.51	-	27.71	5.05	-
PK	2.4397G	101.73	Inf	-Inf	69.02	3	Vertical	133	1.51	-	27.60	5.11	-
AV	2.44G	100.84	Inf	-Inf	68.13	3	Vertical	133	1.51	-	27.60	5.11	-
PK	2.4964G	56.26	74.00	-17.74	23.55	3	Vertical	133	1.51	-	27.60	5.11	-
AV	2.4847G	45.23	54.00	-8.77	12.52	3	Vertical	133	1.51	-	27.60	5.11	-

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

2440MHz\_TX

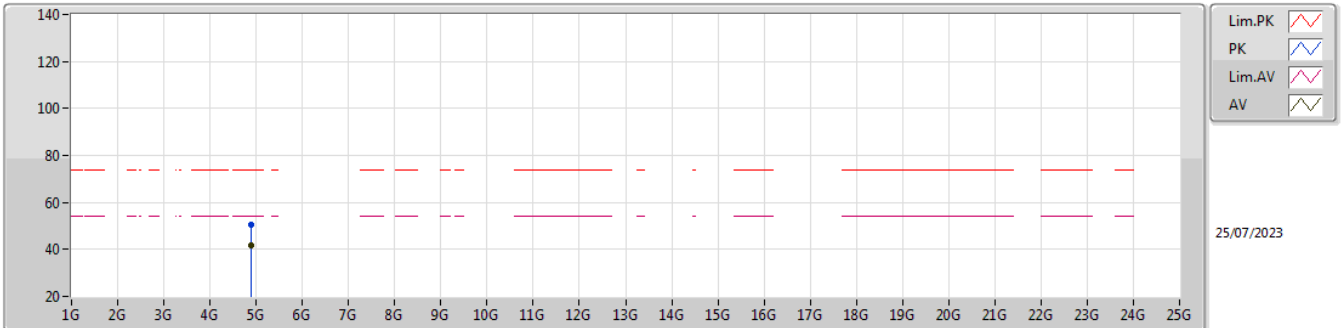


EUT\_Y\_1TX  
Setting Default  
06-S-5

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	2.3899G	57.11	74.00	-16.89	24.38	3	Horizontal	244	1.70	-	27.64	5.09	-
AV	2.3692G	45.44	54.00	-8.56	12.68	3	Horizontal	244	1.70	-	27.72	5.04	-
PK	2.4397G	101.14	Inf	-Inf	68.43	3	Horizontal	244	1.70	-	27.60	5.11	-
AV	2.44G	100.24	Inf	-Inf	67.53	3	Horizontal	244	1.70	-	27.60	5.11	-
PK	2.4871G	56.43	74.00	-17.57	23.72	3	Horizontal	244	1.70	-	27.60	5.11	-
AV	2.4862G	45.34	54.00	-8.66	12.63	3	Horizontal	244	1.70	-	27.60	5.11	-

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

2440MHz\_TX

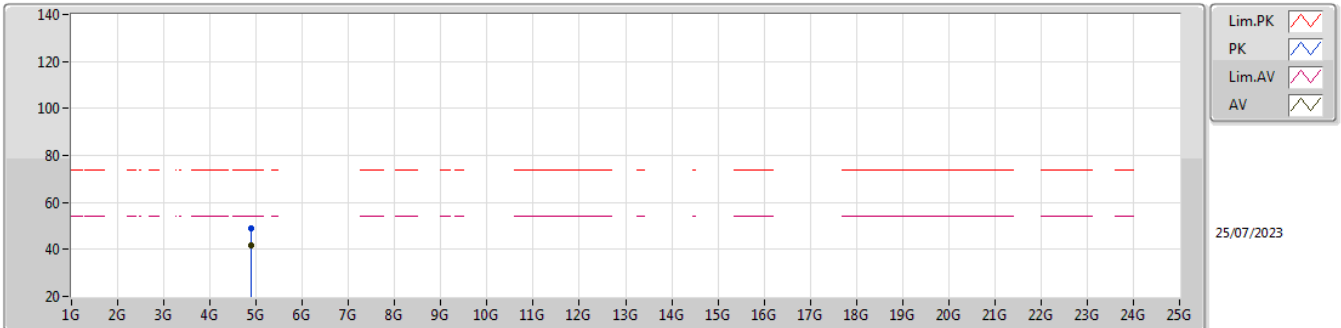


EUT Y\_1TX  
Setting Default  
06-S-5

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	4.88032G	50.65	74.00	-23.35	42.91	3	Vertical	210	1.80	-	31.40	6.78	30.44
AV	4.87996G	41.80	54.00	-12.20	34.06	3	Vertical	210	1.80	-	31.40	6.78	30.44

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

2440MHz\_TX

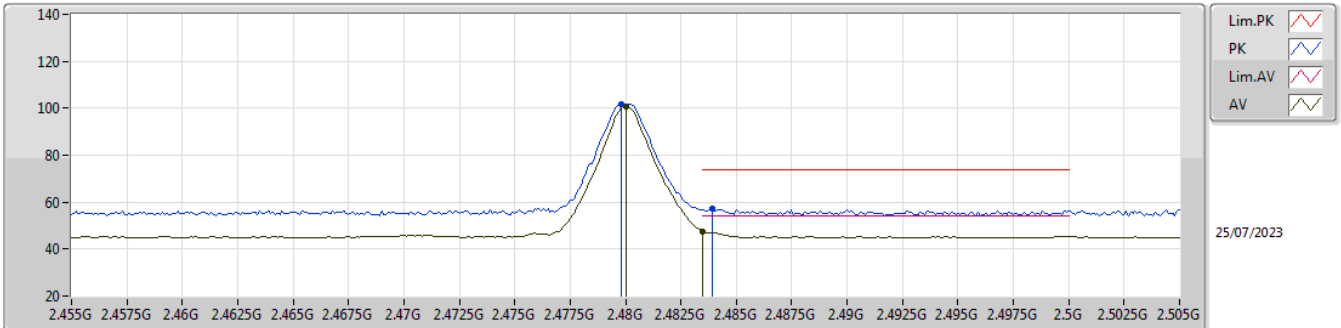


EUT Y\_1TX  
Setting Default  
06-S-5

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	4.87984G	49.22	74.00	-24.78	41.48	3	Horizontal	208	1.02	-	31.40	6.78	30.44
AV	4.87996G	41.62	54.00	-12.38	33.88	3	Horizontal	208	1.02	-	31.40	6.78	30.44

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

2480MHz\_TX

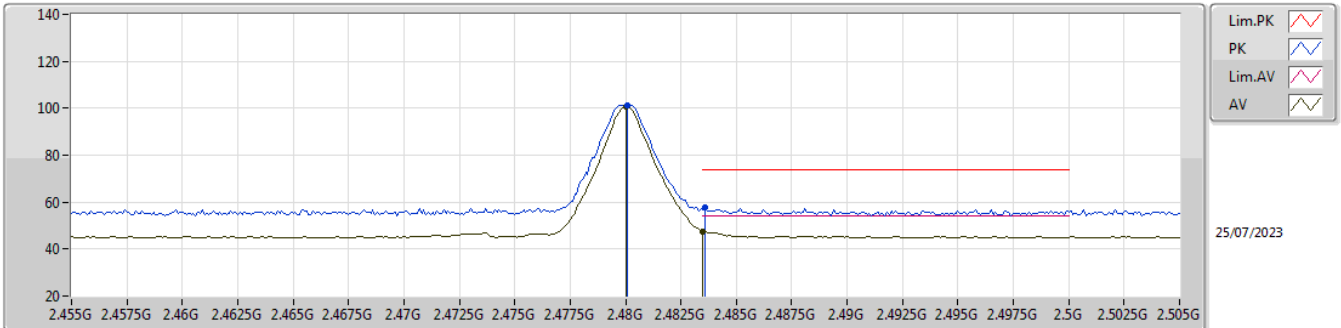


EUT Y\_1TX  
Setting Default  
06-S-5

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	101.80	Inf	-Inf	69.09	3	Vertical	84	1.56	-	27.60	5.11	-
AV	2.48G	100.91	Inf	-Inf	68.20	3	Vertical	84	1.56	-	27.60	5.11	-
PK	2.4839G	57.06	74.00	-16.94	24.35	3	Vertical	84	1.56	-	27.60	5.11	-
AV	2.4835G	47.44	54.00	-6.56	14.73	3	Vertical	84	1.56	-	27.60	5.11	-

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

2480MHz\_TX



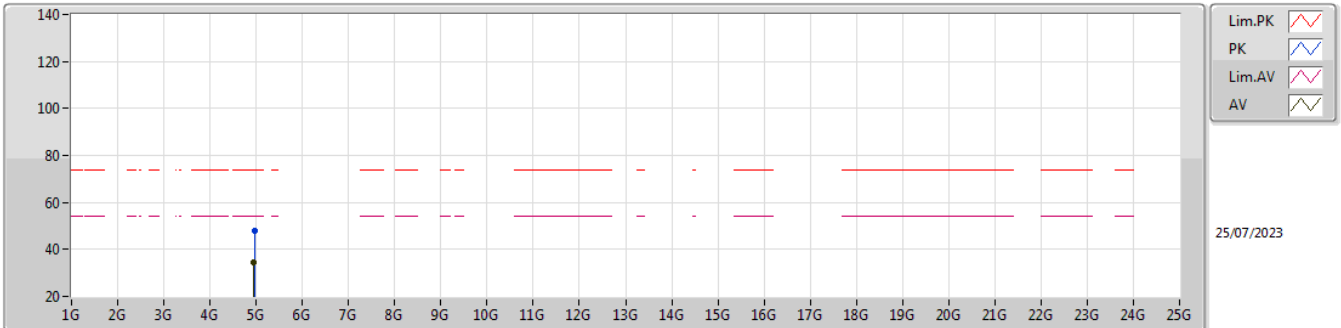
EUT Y\_1TX  
Setting Default  
06-S-5

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	2.4801G	101.43	Inf	-Inf	68.72	3	Horizontal	49	1.00	-	27.60	5.11	-
AV	2.48G	100.56	Inf	-Inf	67.85	3	Horizontal	49	1.00	-	27.60	5.11	-
PK	2.4836G	57.60	74.00	-16.40	24.89	3	Horizontal	49	1.00	-	27.60	5.11	-
AV	2.4835G	47.37	54.00	-6.63	14.66	3	Horizontal	49	1.00	-	27.60	5.11	-



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

2480MHz\_TX

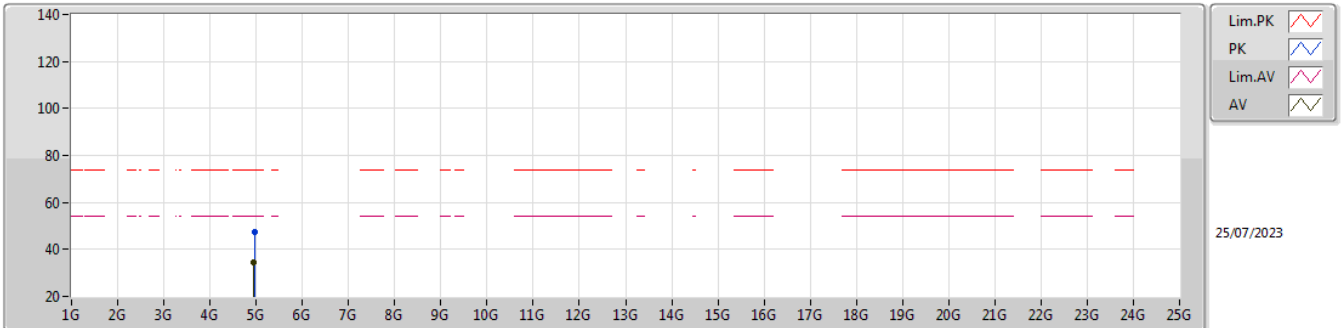


EUT Y\_1TX  
Setting Default  
06-S-5

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	4.95646G	48.08	74.00	-25.92	40.11	3	Vertical	176	1.96	-	31.54	6.80	30.37
AV	4.95558G	34.68	54.00	-19.32	26.72	3	Vertical	176	1.96	-	31.53	6.80	30.37

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

2480MHz\_TX

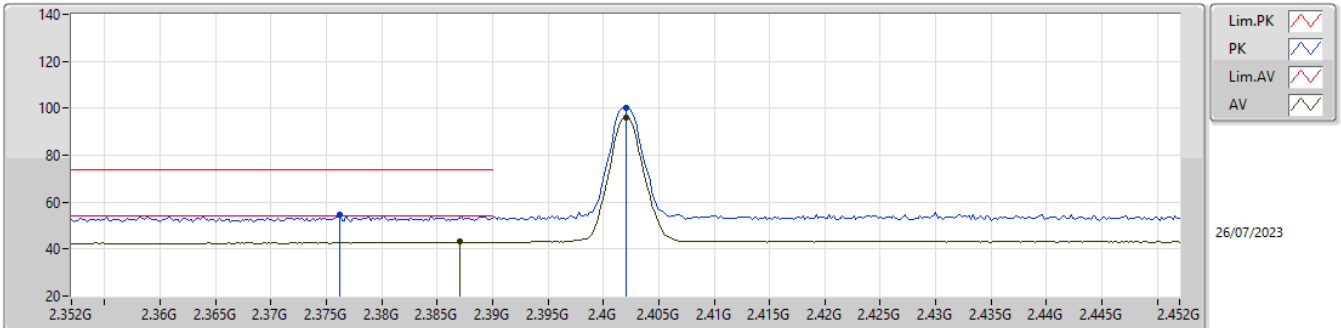


EUT Y\_1TX  
Setting Default  
06-S-5

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	4.95742G	47.58	74.00	-26.42	39.60	3	Horizontal	129	2.91	-	31.54	6.81	30.37
AV	4.9557G	34.53	54.00	-19.47	26.57	3	Horizontal	129	2.91	-	31.53	6.80	30.37

2.4-2.4835GHz\_BT-EDR(3Mbps)

2402MHz\_TX

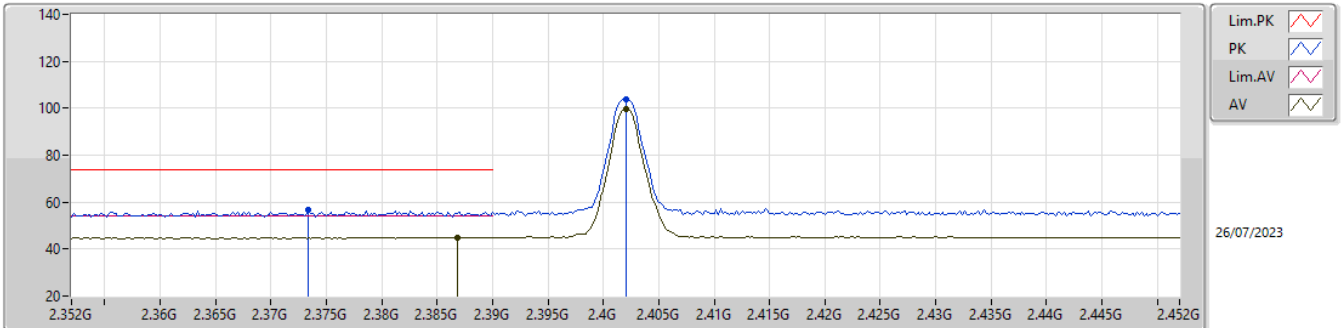


EUT\_Y\_1TX  
Setting Default  
06-E-P-5

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	2.3762G	54.53	74.00	-19.47	23.78	3	Vertical	29	3.00	-	27.56	3.19	-
AV	2.387G	43.03	54.00	-10.97	12.22	3	Vertical	29	3.00	-	27.62	3.19	-
PK	2.402G	100.12	Inf	-Inf	69.22	3	Vertical	29	3.00	-	27.70	3.20	-
AV	2.402G	96.00	Inf	-Inf	65.10	3	Vertical	29	3.00	-	27.70	3.20	-

2.4-2.4835GHz\_BT-EDR(3Mbps)

2402MHz\_TX

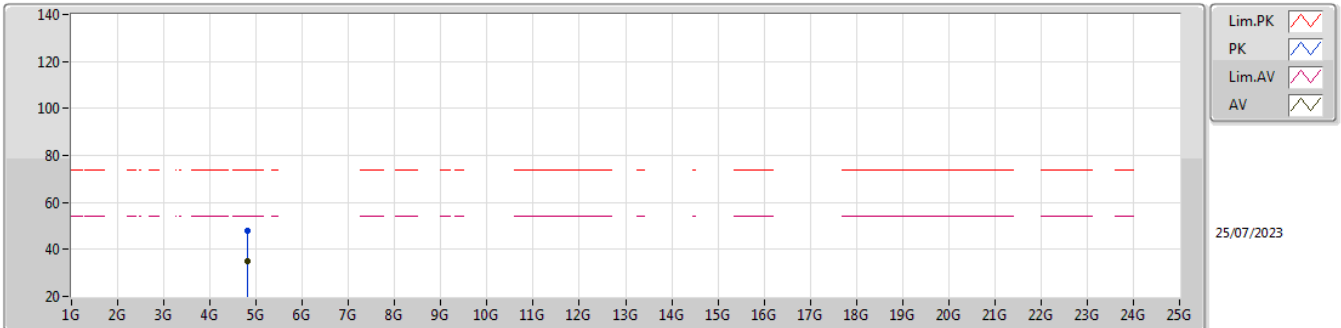


EUT\_Y\_1TX  
Setting Default  
06-E-P-5

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	56.81	74.00	-17.19	24.05	3	Horizontal	7	1.16	-	27.71	5.05	-
AV	2.3868G	44.89	54.00	-9.11	12.16	3	Horizontal	7	1.16	-	27.65	5.08	-
PK	2.402G	103.92	Inf	-Inf	71.21	3	Horizontal	7	1.16	-	27.60	5.11	-
AV	2.402G	99.85	Inf	-Inf	67.14	3	Horizontal	7	1.16	-	27.60	5.11	-

2.4-2.4835GHz\_BT-EDR(3Mbps)

2402MHz\_TX

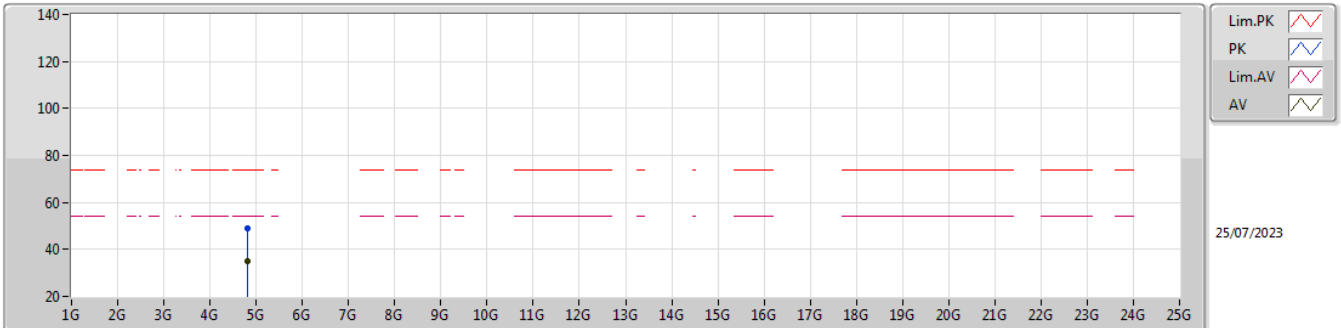


EUT Y\_1TX  
Setting Default  
06-S-5

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	4.8057G	48.15	74.00	-25.85	40.59	3	Vertical	276	2.53	-	31.31	6.75	30.50
AV	4.79988G	34.94	54.00	-19.06	27.40	3	Vertical	276	2.53	-	31.30	6.75	30.51

2.4-2.4835GHz\_BT-EDR(3Mbps)

2402MHz\_TX

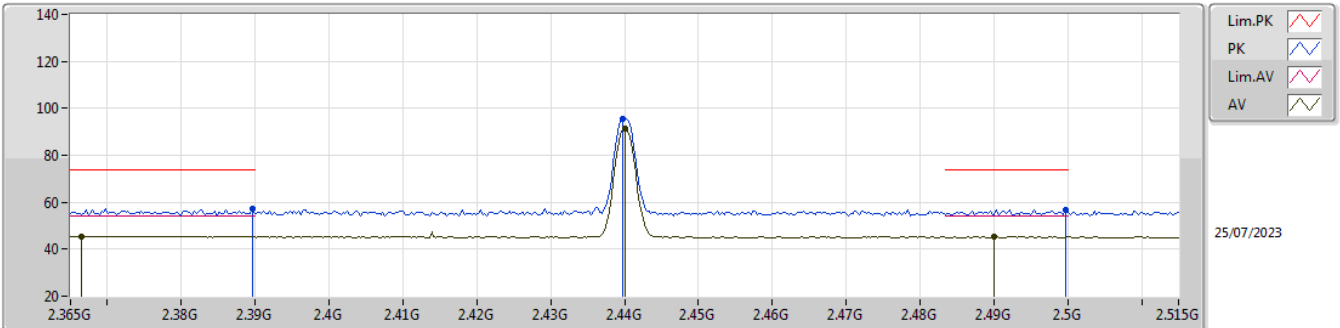


EUT Y\_1TX  
Setting Default  
06-S-5

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	4.80368G	48.79	74.00	-25.21	41.23	3	Horizontal	350	1.83	-	31.31	6.75	30.50
AV	4.80536G	35.09	54.00	-18.91	27.53	3	Horizontal	350	1.83	-	31.31	6.75	30.50

2.4-2.4835GHz\_BT-EDR(3Mbps)

2440MHz\_TX

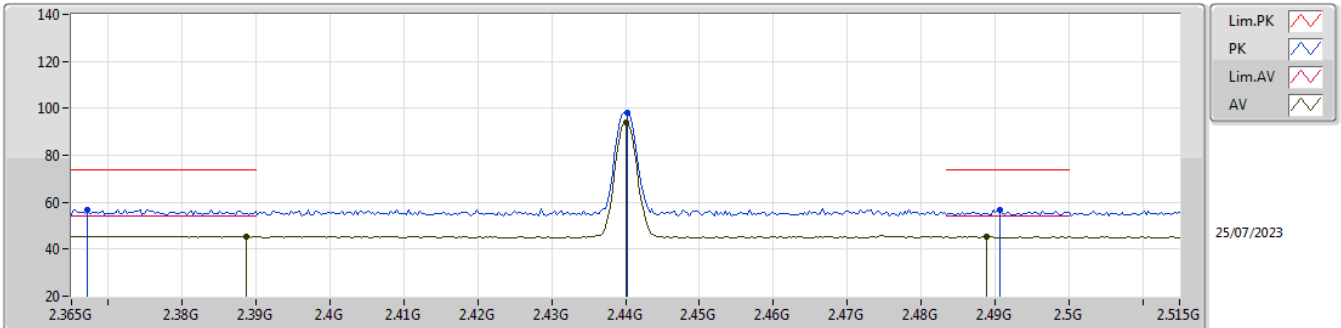


EUT\_Y\_1TX  
Setting Default  
06-S-5

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	2.3896G	57.19	74.00	-16.81	24.46	3	Vertical	146	1.78	-	27.64	5.09	-
AV	2.3665G	45.48	54.00	-8.52	12.72	3	Vertical	146	1.78	-	27.73	5.03	-
PK	2.4397G	95.69	Inf	-Inf	62.98	3	Vertical	146	1.78	-	27.60	5.11	-
AV	2.44G	91.62	Inf	-Inf	58.91	3	Vertical	146	1.78	-	27.60	5.11	-
PK	2.4997G	56.83	74.00	-17.17	24.12	3	Vertical	146	1.78	-	27.60	5.11	-
AV	2.4901G	45.30	54.00	-8.70	12.59	3	Vertical	146	1.78	-	27.60	5.11	-

2.4-2.4835GHz\_BT-EDR(3Mbps)

2440MHz\_TX



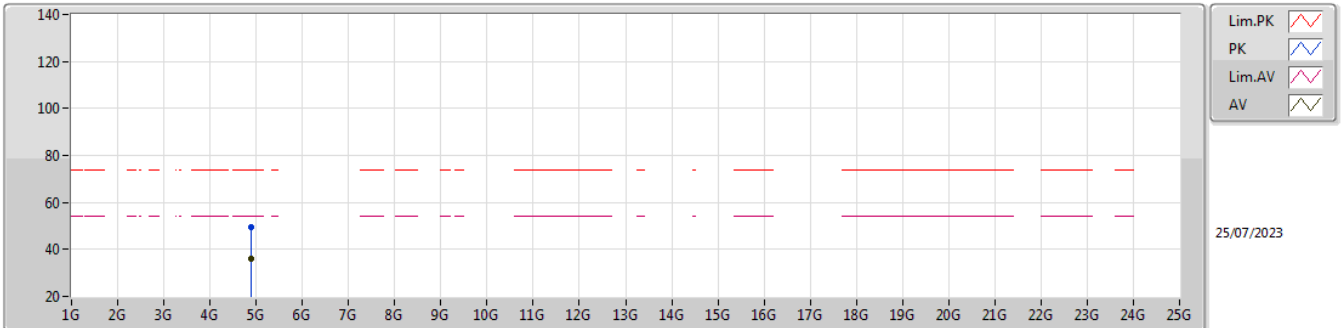
EUT\_Y\_1TX  
Setting Default  
06-S-5

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	2.3671G	56.79	74.00	-17.21	24.02	3	Horizontal	245	1.54	-	27.73	5.04	-
AV	2.3887G	45.46	54.00	-8.54	12.73	3	Horizontal	245	1.54	-	27.65	5.08	-
PK	2.4403G	98.25	Inf	-Inf	65.54	3	Horizontal	245	1.54	-	27.60	5.11	-
AV	2.44G	94.11	Inf	-Inf	61.40	3	Horizontal	245	1.54	-	27.60	5.11	-
PK	2.4907G	56.91	74.00	-17.09	24.20	3	Horizontal	245	1.54	-	27.60	5.11	-
AV	2.4889G	45.22	54.00	-8.78	12.51	3	Horizontal	245	1.54	-	27.60	5.11	-



2.4-2.4835GHz\_BT-EDR(3Mbps)

2440MHz\_TX

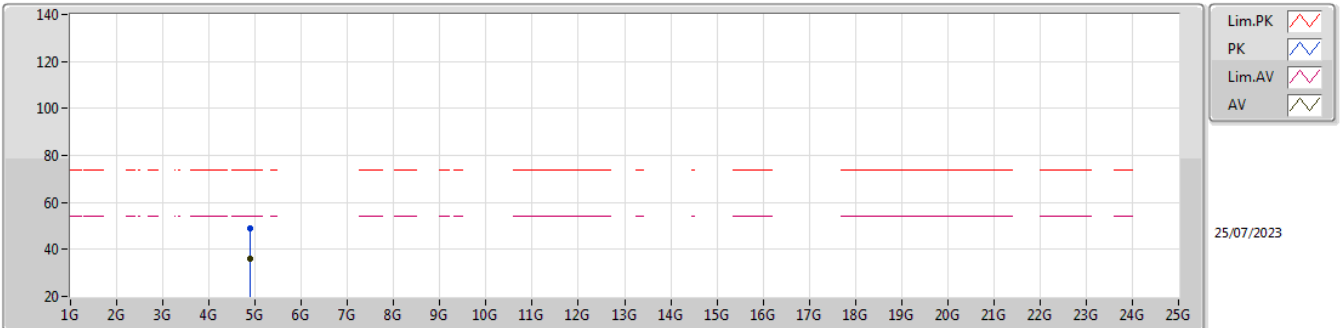


EUT Y\_1TX  
Setting Default  
06-S-5

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	4.88792G	49.34	74.00	-24.66	41.59	3	Vertical	323	1.80	-	31.40	6.78	30.43
AV	4.88788G	36.10	54.00	-17.90	28.35	3	Vertical	323	1.80	-	31.40	6.78	30.43

2.4-2.4835GHz\_BT-EDR(3Mbps)

2440MHz\_TX

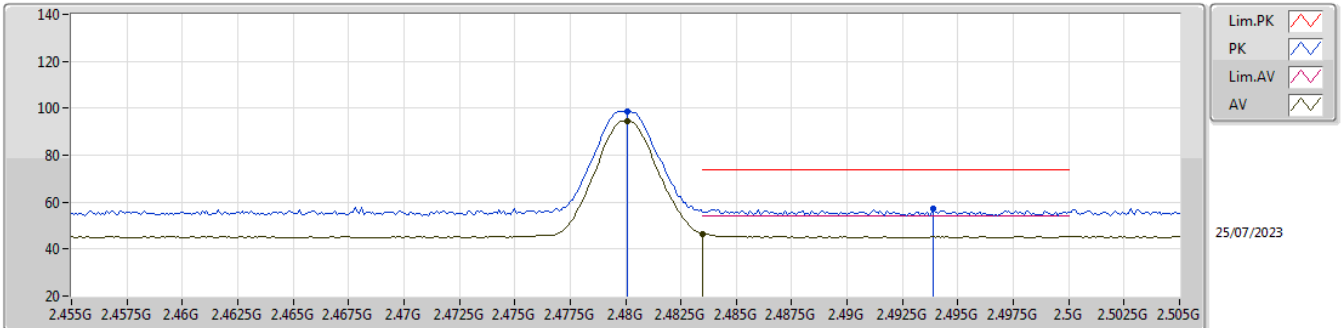


EUT Y\_1TX  
Setting Default  
06-S-5

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	4.8862G	49.08	74.00	-24.92	41.33	3	Horizontal	326	1.80	-	31.40	6.78	30.43
AV	4.88768G	36.10	54.00	-17.90	28.35	3	Horizontal	326	1.80	-	31.40	6.78	30.43

2.4-2.4835GHz\_BT-EDR(3Mbps)

2480MHz\_TX

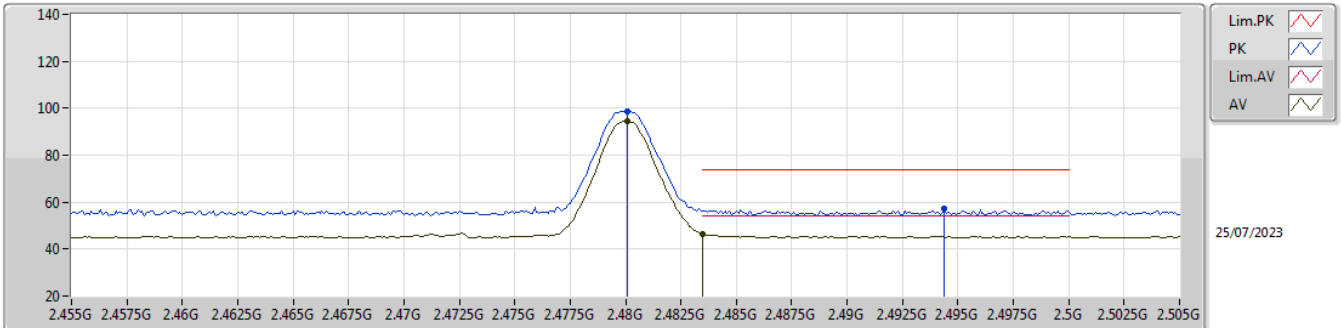


EUT Y\_1TX  
Setting Default  
06-S-5

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	2.4801G	98.79	Inf	-Inf	66.08	3	Vertical	84	1.56	-	27.60	5.11	-
AV	2.4801G	94.68	Inf	-Inf	61.97	3	Vertical	84	1.56	-	27.60	5.11	-
PK	2.4939G	57.24	74.00	-16.76	24.53	3	Vertical	84	1.56	-	27.60	5.11	-
AV	2.4835G	46.33	54.00	-7.67	13.62	3	Vertical	84	1.56	-	27.60	5.11	-

2.4-2.4835GHz\_BT-EDR(3Mbps)

2480MHz\_TX

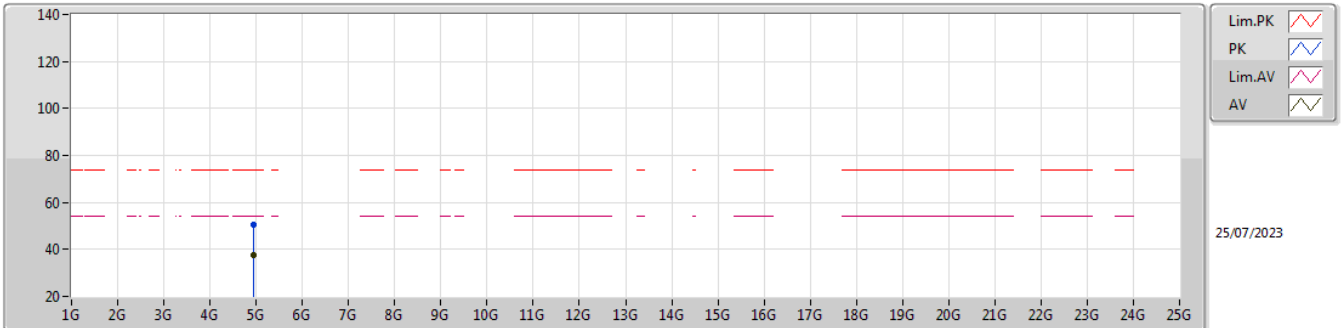


EUT Y\_1TX  
Setting Default  
06-S-5

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	2.4801G	98.52	Inf	-Inf	65.81	3	Horizontal	49	1.00	-	27.60	5.11	-
AV	2.4801G	94.40	Inf	-Inf	61.69	3	Horizontal	49	1.00	-	27.60	5.11	-
PK	2.4944G	57.19	74.00	-16.81	24.48	3	Horizontal	49	1.00	-	27.60	5.11	-
AV	2.4835G	46.27	54.00	-7.73	13.56	3	Horizontal	49	1.00	-	27.60	5.11	-

2.4-2.4835GHz\_BT-EDR(3Mbps)

2480MHz\_TX

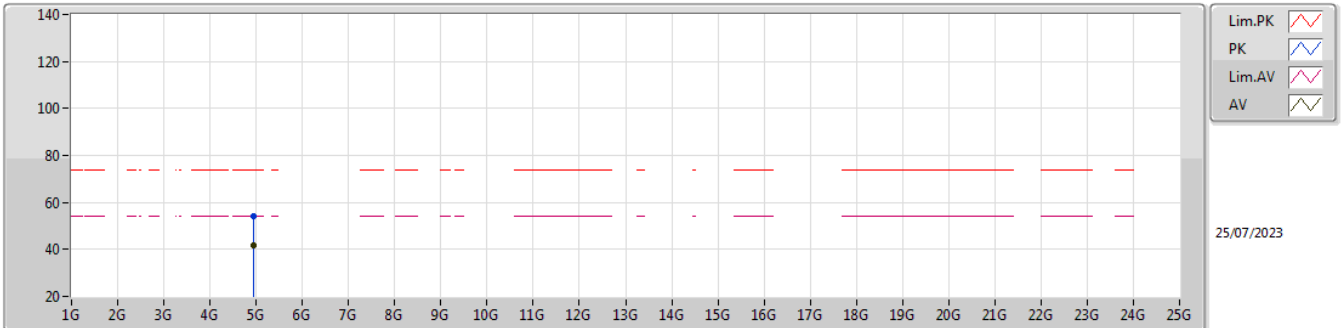


EUT Y\_1TX  
Setting Default  
06-S-5

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	4.95588G	50.48	74.00	-23.52	42.51	3	Vertical	210	1.64	-	31.54	6.80	30.37
AV	4.9558G	37.75	54.00	-16.25	29.79	3	Vertical	210	1.64	-	31.53	6.80	30.37

2.4-2.4835GHz\_BT-EDR(3Mbps)

2480MHz\_TX



EUT Y\_1TX  
Setting Default  
06-S-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	4.95556G	53.89	74.00	-20.11	45.93	3	Horizontal	328	1.80	-	31.53	6.80	30.37
AV	4.9556G	41.92	54.00	-12.08	33.96	3	Horizontal	328	1.80	-	31.53	6.80	30.37