Testing Laboratory 3785

FCC Radio Test Report

FCC ID	:	**AL8-F60L**
Equipment	:	**True Wireless In-Ear Headphones**
Brand Name	:	**PLANTRONICS**
Model Name	:	**F60T**
Applicant	:	**Plantronics, Inc. 345 Encinal Street, Santa Cruz, CA 95060 USA**
Manufacturer	:	**Plantronics, Inc. 345 Encinal Street, Santa Cruz, CA 95060 USA**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on May 30, 2022, and testing was started from Oct. 17, 2022 and completed on Oct. 25, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR252601AD	01	Initial issue of report	Dec. 13, 2022

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
-	15.207	AC Power-line Conducted Emissions	Not Required	Only employ battery power.
3.1	15.247(a)	20dB Bandwidth	PASS	-
3.1	15.247(a)	Carrier Frequency Separation	PASS	-
3.2	15.247(b)	Maximum Conducted Output Power	PASS	-
3.3	15.247(a)	Number of Hopping Frequencies and Hopping Bandedge	PASS	-
3.4	15.247(a)	Time of Occupancy (Dwell Time)	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and explanations:
None

Reviewed by: Ben Tseng
Report Producer: Ann Hou

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 π/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.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Toongin	ANT-Earbuds	FPC Antenna	Touch Pad	-5.56

Note 1: The EUT has one antenna.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 1 could transmit/receive.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From Battery			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point
Type of EUT				
☒	Stand-alone			
☐	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.:	…		
☐	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:	…		
☐	Other:			

1.1.4 Table for Multiple Listing

There are two kinds of MFI chip which specification is the same.

SKU	Model Name	Description
1	MFI343S00176	The specification is the same but IC package design and layout location is different
2	MFI343S00177	

From the above models, SKU2 was selected as representative model for the test and its data was recorded in this report.

1.1.5 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
BT-BR(1Mbps)	0.746	1.27	2.904m	1k
BT-EDR(2Mbps)	0.746	1.27	2.903m	1k
BT-EDR(3Mbps)	0.746	1.27	2.905m	1k

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

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013

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

- KDB 558074 D01 v05r02
- KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
(TAF: 3785**)**	**TEL:** 886-3-327-3456		**FAX:** 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
RF Conducted	TH06-HY	Jin	22.6~26.4°C / 51~57%	17/Oct/2022~25/Oct/2022
☒ Wen 33rd.St.	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
(TAF: 3785**)**	**TEL:** 886-3-318-0787		**FAX:** 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
Radiated	03CH09-HY	Daniel	23.7~24.12°C / 55~59%	18/Oct/2022~20/Oct/2022

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**
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Emissions in Non-restricted Frequency Bands	0.14 dB	Confidence levels of 95%
Emissions in Restricted Frequency Bands	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	BlueTest3: 3.3.5

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	9
2440MHz	9
2480MHz	9
BT-EDR(2Mbps)	-
2402MHz	9
2440MHz	9
2480MHz	9
BT-EDR(3Mbps)	-
2402MHz	9
2440MHz	9
2480MHz	9

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	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
Test Condition	Conducted measurement at transmit chains ☒ Non-adaptive frequency hopping systems (Non-AFH) ☒ adaptive frequency hopping systems (AFH)
Non-AFH Mode configuration was found to be the worst case and measured during the test.	

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Battery mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT		V	

2.3 Accessories

Accessories				
Battery	Brand Name	VDL	Model Name	ZJ1254H
	Power Rating	3.85 Vdc, 70 mAh	Type	Li-ion, Button cell
Wireless Charging case (Optional)	Brand Name	PLANTRONICS	Model Name	CBF60+
USB Cable (Type-C to A) (Optional)	Brand Name	LOT	Model Name	207488-09
	Signal Line	0.3 meter, D-shielded cable, w/o ferrite core		
USB Cable (Type-C to C) (Optional)	Brand Name	LOT	Model Name	207488-10
	Signal Line	0.3 meter, D-shielded cable, w/o ferrite core		
Audio Cable (Type-C to Audio) (Optional)	Brand Name	LOT	Model Name	219266-02
	Signal Line	0.77 meter, non-shielded cable, w/o ferrite core		
Bluetooth Dongle (Type-C) (Optional)	Brand Name	Poly	Model Name	BT700C
	Interface	USB Type-C		
Bluetooth Dongle (Type-A) (Optional)	Brand Name	Poly	Model Name	BT700
	Interface	USB Type-A		

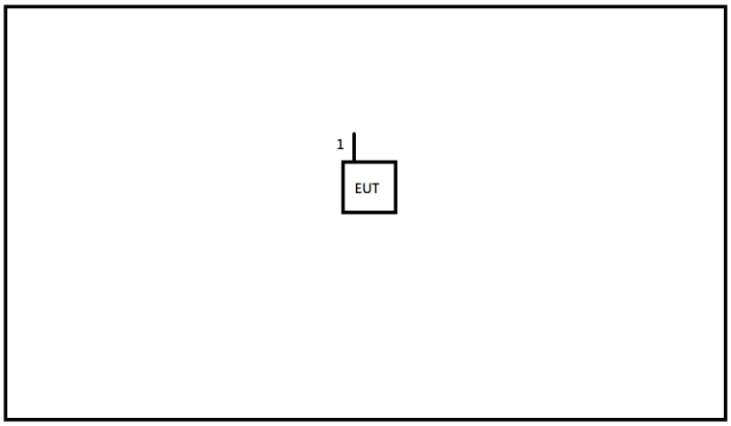
Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	HP	HSTNN-I42C	-	-
2	Adapter for NB	HP	HSTNN-CA40	-	-

2.5 Test Setup Diagram

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length (m)
1	Test fixture cable	No	0.05

3 Transmitter Test Result

3.1 20dB Bandwidth and Carrier Frequency Separation

3.1.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
▪ 2400-2483.5 MHz Band:	
	▪ N ≥75 and ChS ≥ MAX (20 dB bandwidth, 25 kHz).
	▪ 75>N ≥ 15 and ChS ≥ MAX (20 dB bandwidth 2/3,25 kHz).
N:Number of Hopping Frequencies; **ChS**: Hopping Channel Separation	

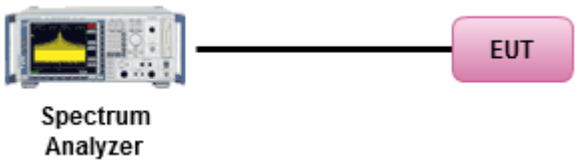
3.1.2 Measuring Instruments

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

3.1.4 Test Setup

20dB Bandwidth and Carrier Frequency Separation


3.1.5 Test Result of 20dB Bandwidth

Refer as Appendix A

3.1.6 Test Result of Carrier Frequency Separation

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
▪ 2400-2483.5 MHz Band:	
	▪ N ≥ 75; Power 30dBm; EIRP 36dBm
	▪ 75 >N ≥ 15; Power 21dBm; EIRP 27dBm
N:Number of Hopping Frequencies	

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 7.8.5 for output power measurement.

3.2.4 Test Setup

Maximum Conducted Output Power (Peak Power Meter)


3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Number of Hopping Frequencies and Hopping Bandedge

3.3.1 Number of Hopping Frequencies Limit

Number of Hopping Frequencies Limit	
▪ 2400-2483.5 MHz Band:	
	▪ N ≥ 75 and ChS ≥ MAX (20 dB bandwidth, 25 kHz).
	▪ 75 >N ≥ 15 and ChS ≥ MAX (20 dB bandwidth 2/3,25 kHz).
N:Number of Hopping Frequencies; **ChS** : Hopping Channel Separation	

3.3.2 Hopping Bandedge Limit

Refer clause 3.5.1 and clause 3.6.1

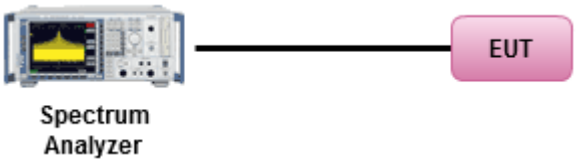
3.3.3 Measuring Instruments

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

3.3.4 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.

3.3.5 Test Setup

Number of Hopping Frequencies and Hopping Frequencies Bandedge


3.3.6 Test Result of Number of Hopping Frequencies

Refer as Appendix C

3.3.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix C

3.4 Time of Occupancy (Dwell Time)

3.4.1 Time of Occupancy (Dwell Time) Limit

Time of Occupancy (Dwell Time) Limit for Frequency Hopping Systems	
▪ 2400-2483.5 MHz Band:	
	▪ N ≥ 75; 0.4s in N x 0.4 period
	▪ 75 >N ≥ 15; 0.4s in N x 0.4 period
N:Number of Hopping Frequencies	

3.4.2 Measuring Instruments

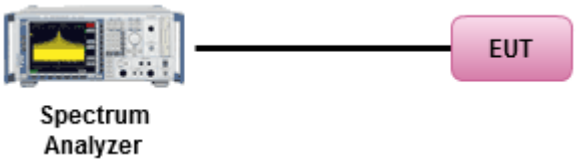
Refer a test equipment and calibration data table in this test report.

3.4.3 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.

3.4.4 Test Setup

Time of Occupancy (Dwell Time)



3.4.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

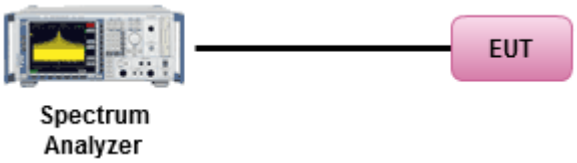
3.5.2 Measuring Instruments

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 7.8.8 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


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 below30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

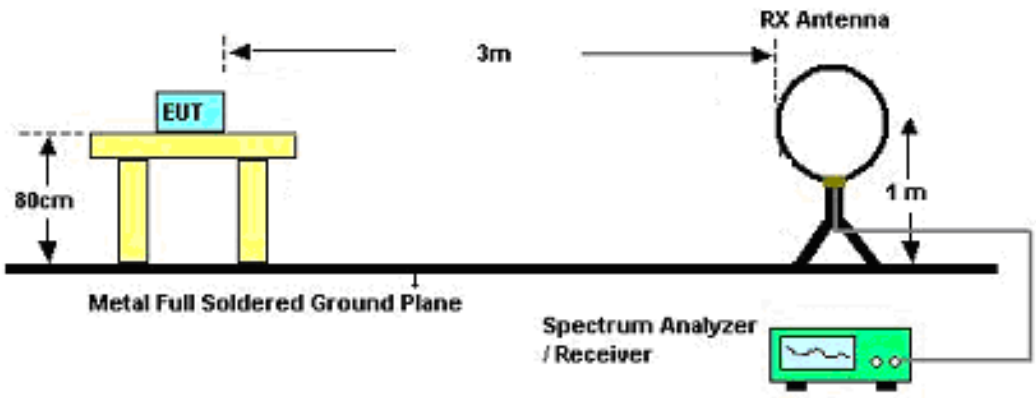
Test Method	
▪	The average emission levels shall be measured in [hopping duty factor].
▪	Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted emissions shall be measured using following options below:
	▪ Refer as ANSI C63.10, clause 4.1.4.2.1 QP value.
	▪ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.
	▪ Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.
▪	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
	▪ Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

3.6.4 Measurement Results Calculation

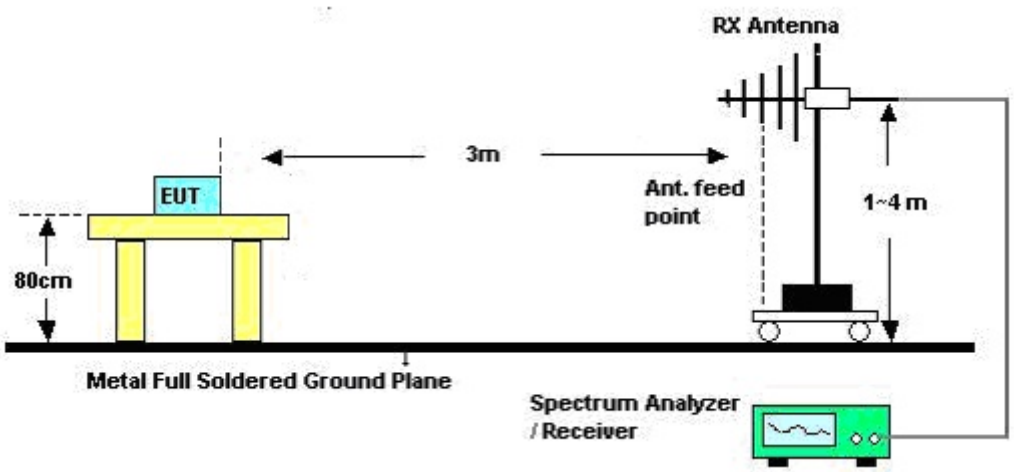
The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

3.6.5 Test Setup

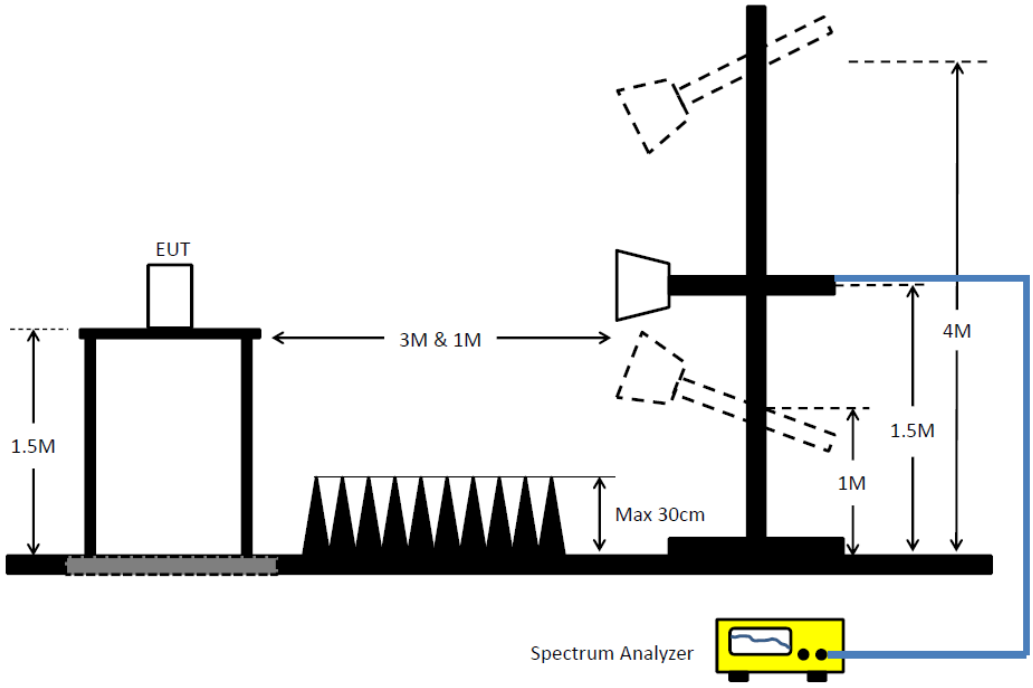
Emissions in Restricted Frequency Bands
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	01/Apr/2022	31/Mar/2023
Signal Generator	Keysight	N5171B	MY53051240	9kHz~6GHz	24/Nov/2021	23/Nov/2022
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	25/Mar/2022	24/Mar/2023
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	25/Mar/2022	24/Mar/2023
SENSE-15247_FS	Sporton	V5.10.7.16	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	25/Mar/2022	24/Mar/2023
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	17/Mar/2022	16/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	27/Dec/2021	26/Dec/2022
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	08/Apr/2022	07/Apr/2023
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable-low	Jye Bao	RG142	CB031+324530/4	9kHz~30MHz	07/Feb/2022	06/Feb/2023
RF Cable-low	Jye Bao	RG142	03CH09-cable-01	30MHz~1GHz	17/Aug/2022	16/Aug/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	17/Aug/2022	16/Aug/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	13/May/2022	12/May/2023
SENSE-15247_FS	Sporton	V5.10.7.14	N/A	N/A	N/A	N/A

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)	936.25k	879.56k	880KF1D	936.25k	874.563k
BT-EDR(2Mbps)	1.323M	1.196M	1M20G1D	1.32M	1.192M
BT-EDR(3Mbps)	1.284M	1.197M	1M20G1D	1.28M	1.196M

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

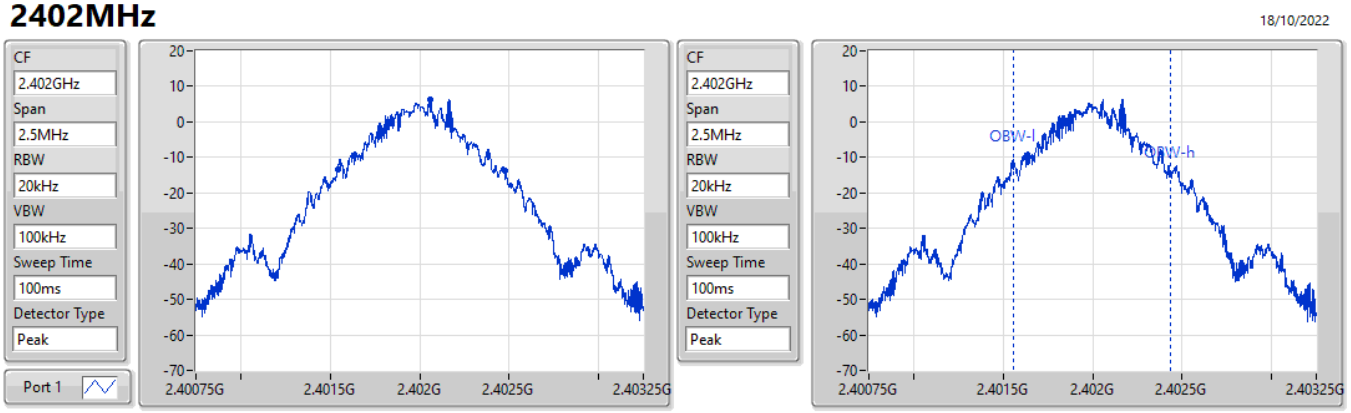
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	936.25k	879.56k
2440MHz	Pass	Inf	936.25k	874.563k
2480MHz	Pass	Inf	936.25k	875.812k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.32M	1.192M
2440MHz	Pass	Inf	1.323M	1.196M
2480MHz	Pass	Inf	1.323M	1.194M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.284M	1.196M
2440MHz	Pass	Inf	1.283M	1.197M
2480MHz	Pass	Inf	1.28M	1.196M

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

BT-BR(1Mbps) EBW-FS

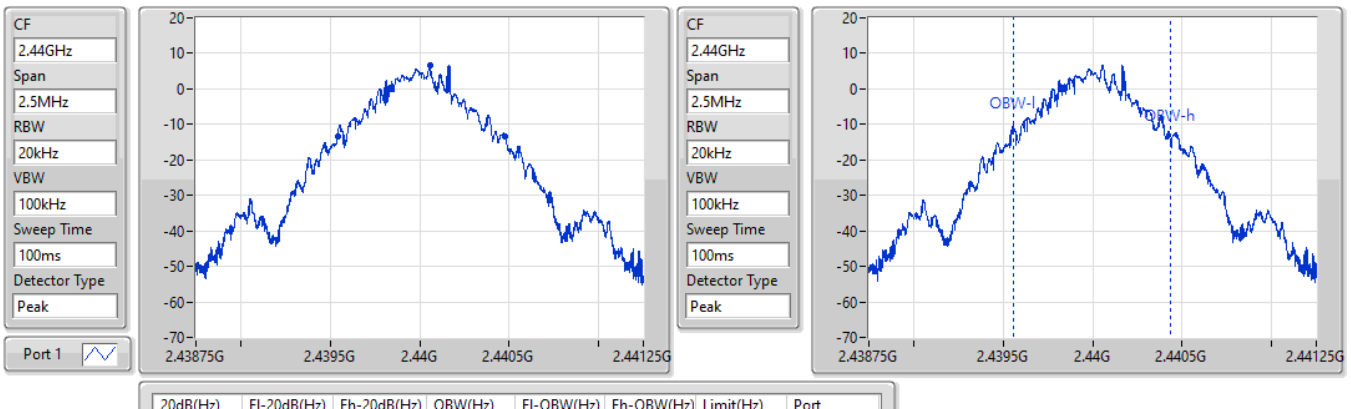
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
936.25k	2.401541G	2.402478G	879.56k	2.401559G	2.402439G	Inf	1

BT-BR(1Mbps) EBW-FS

2440MHz

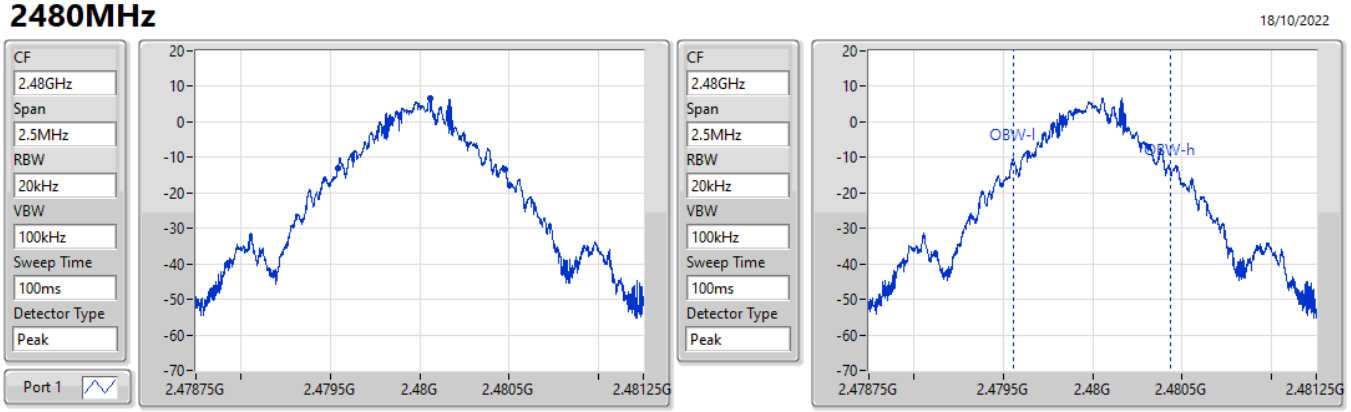


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
936.25k	2.439541G	2.440478G	874.563k	2.43956G	2.440435G	Inf	1

BT-BR(1Mbps)

EBW-FS

2480MHz

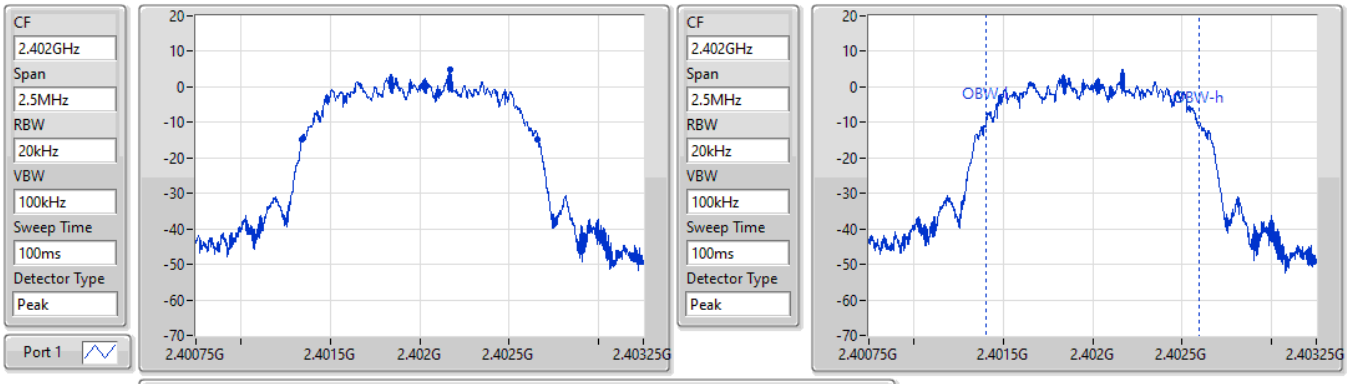


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
936.25k	2.479541G	2.480478G	875.812k	2.479559G	2.480435G	Inf	1

BT-EDR(2Mbps)

EBW-FS

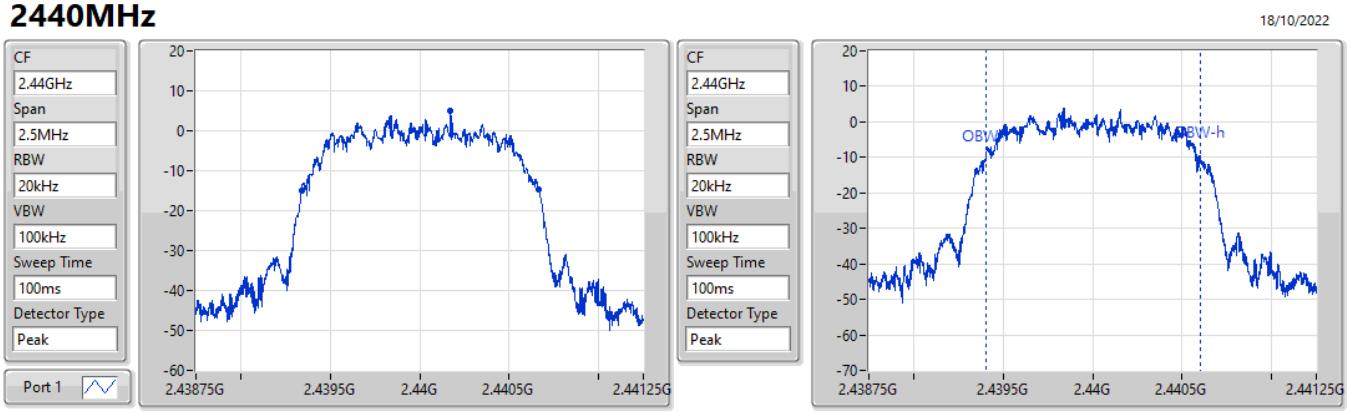
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.32M	2.401341G	2.402661G	1.192M	2.401407G	2.402598G	Inf	1

BT-EDR(2Mbps) **EBW-FS**

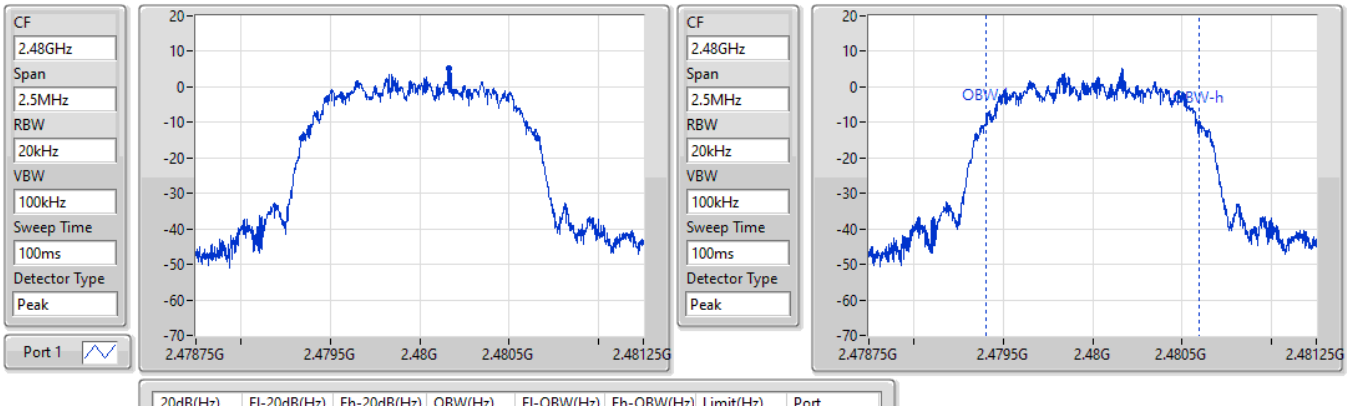
2440MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.323M	2.43934G	2.440663G	1.196M	2.439405G	2.440601G	Inf	1

BT-EDR(2Mbps) **EBW-FS**

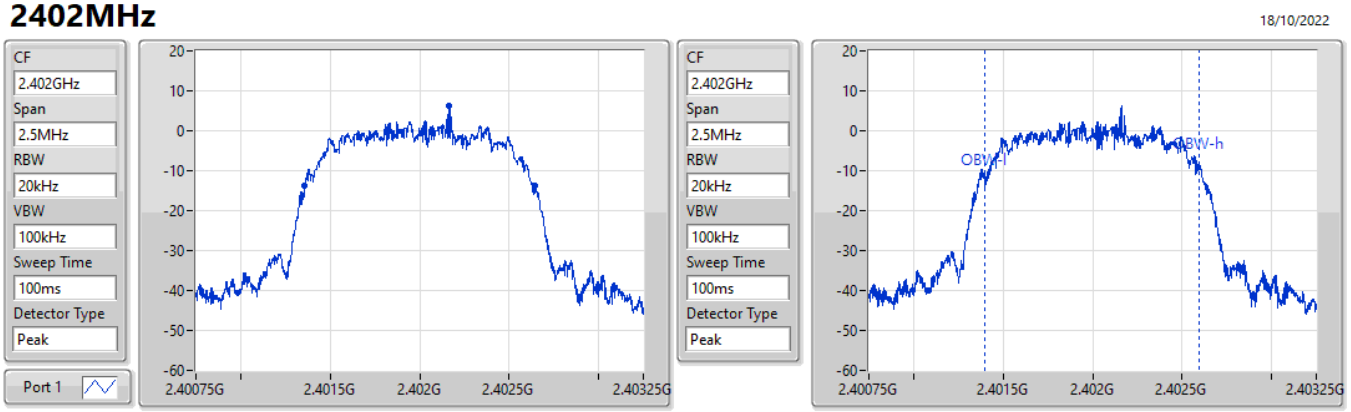
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.323M	2.479339G	2.480661G	1.194M	2.479404G	2.480598G	Inf	1

BT-EDR(3Mbps) EBW-FS

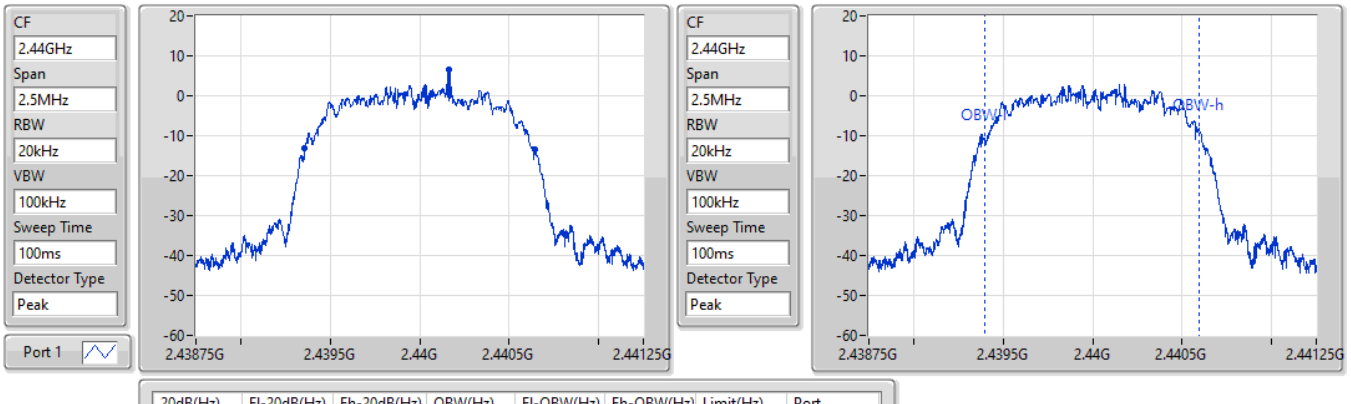
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.284M	2.401359G	2.402643G	1.196M	2.4014G	2.402596G	Inf	1

BT-EDR(3Mbps) EBW-FS

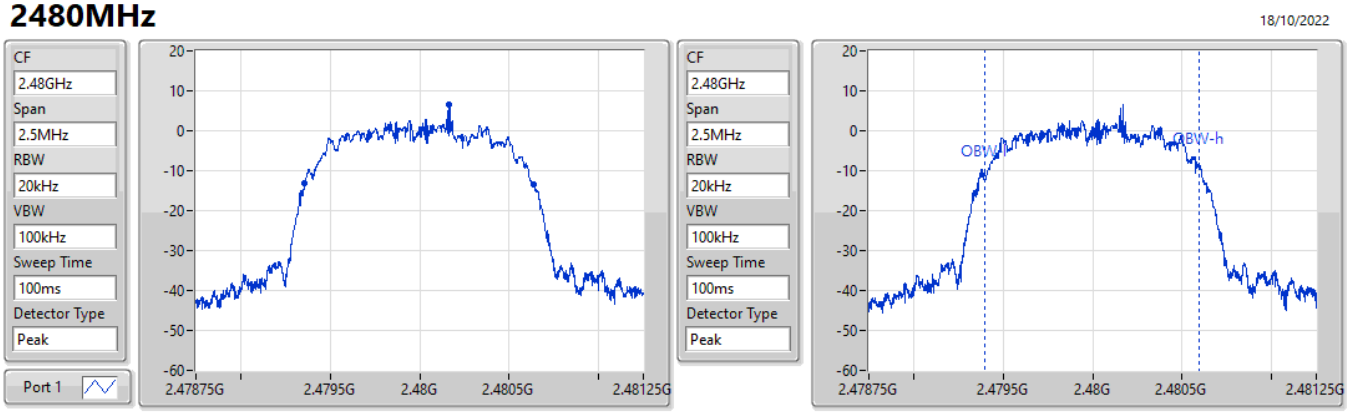
2440MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.283M	2.439359G	2.440641G	1.197M	2.439399G	2.440596G	Inf	1

BT-EDR(3Mbps) **EBW-FS**

2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.28M	2.479359G	2.480639G	1.196M	2.4794G	2.480596G	Inf	1

Summary

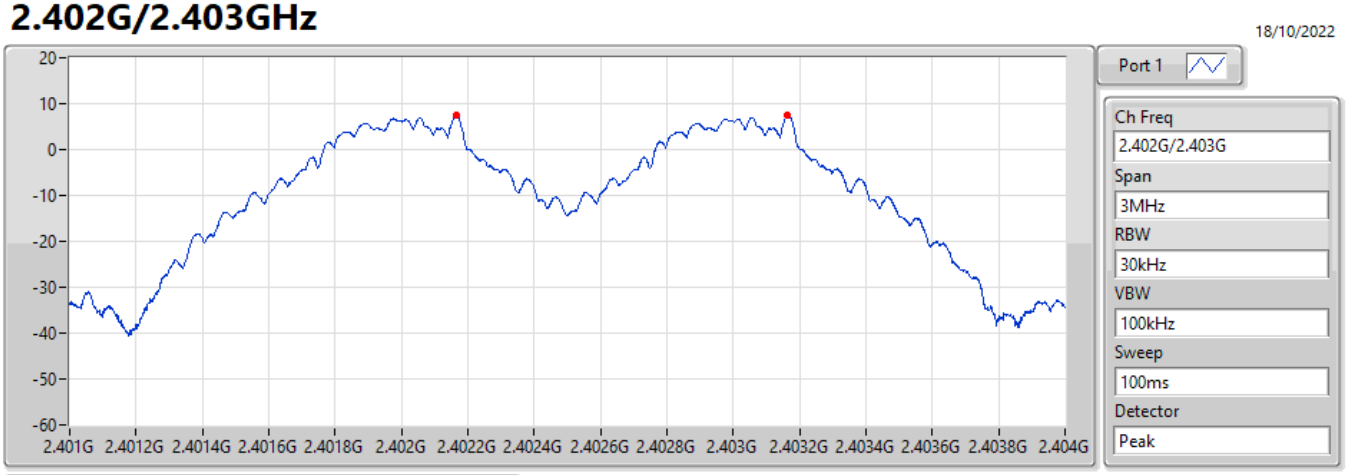
Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.002M	999k
BT-EDR(2Mbps)	1.002M	997.5k
BT-EDR(3Mbps)	1.002M	999k

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402164G	2.403165G	1.0005M	624.375k
2440MHz	Pass	2.440163G	2.441165G	1.002M	623.5425k
2480MHz	Pass	2.479166G	2.480165G	999k	623.5425k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402167G	2.403165G	997.5k	879.12k
2440MHz	Pass	2.440164G	2.441166G	1.002M	881.118k
2480MHz	Pass	2.479164G	2.480166G	1.002M	881.118k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402164G	2.403166G	1.002M	855.144k
2440MHz	Pass	2.440166G	2.441166G	1.0005M	854.478k
2480MHz	Pass	2.479166G	2.480165G	999k	852.48k

BT-BR(1Mbps) **Channel Separation-FS**

2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402164G	2.403165G	1.0005M	624.375k

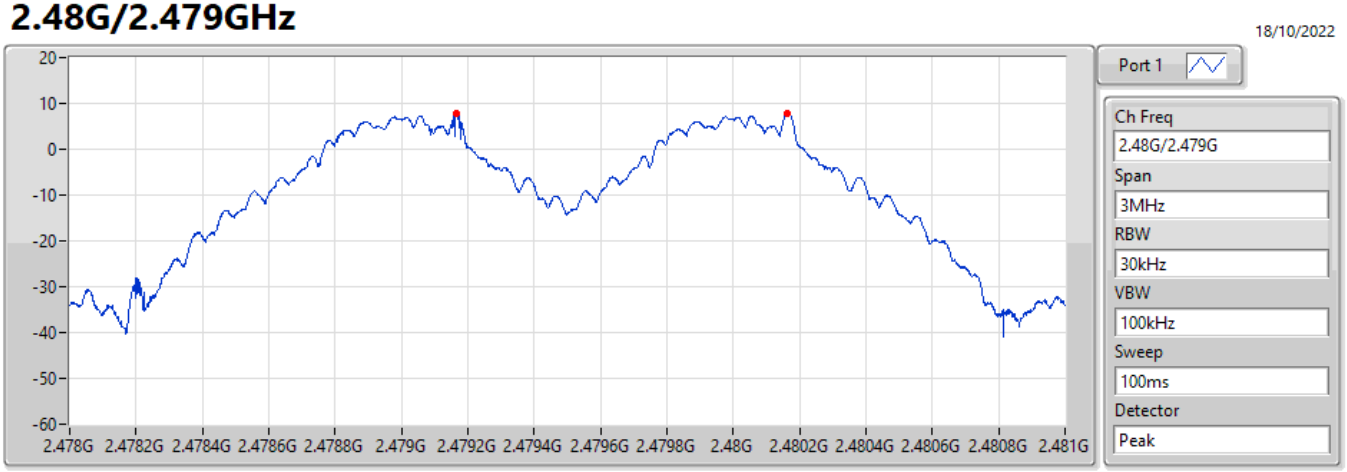
BT-BR(1Mbps) **Channel Separation-FS**

2.44G/2.441GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440163G	2.441165G	1.002M	623.5425k

BT-BR(1Mbps) **Channel Separation-FS**

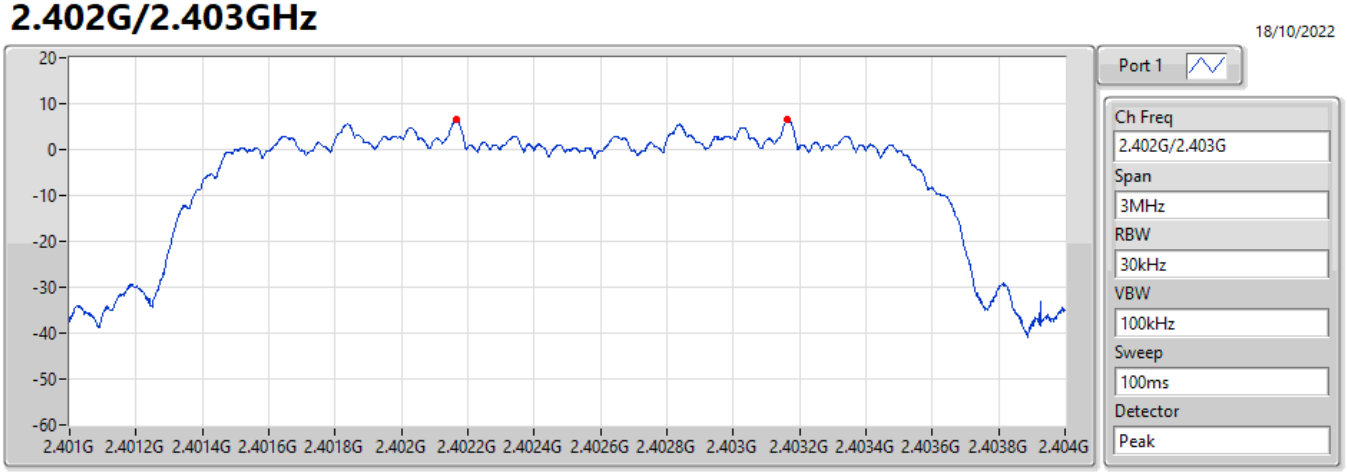
2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479166G	2.480165G	999k	623.5425k

BT-EDR(2Mbps) **Channel Separation-FS**

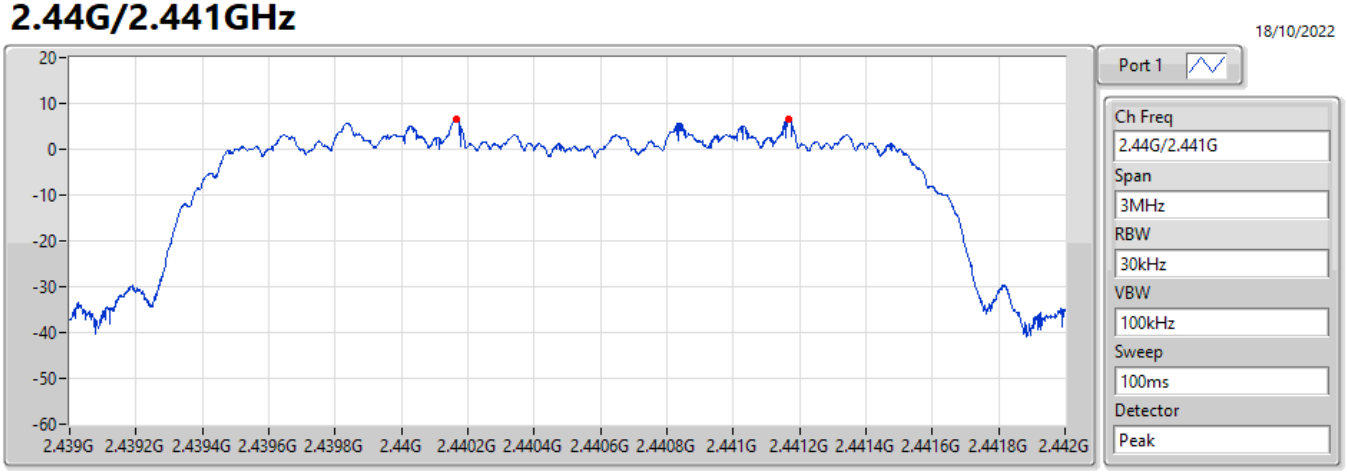
2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402167G	2.403165G	997.5k	879.12k

BT-EDR(2Mbps) **Channel Separation-FS**

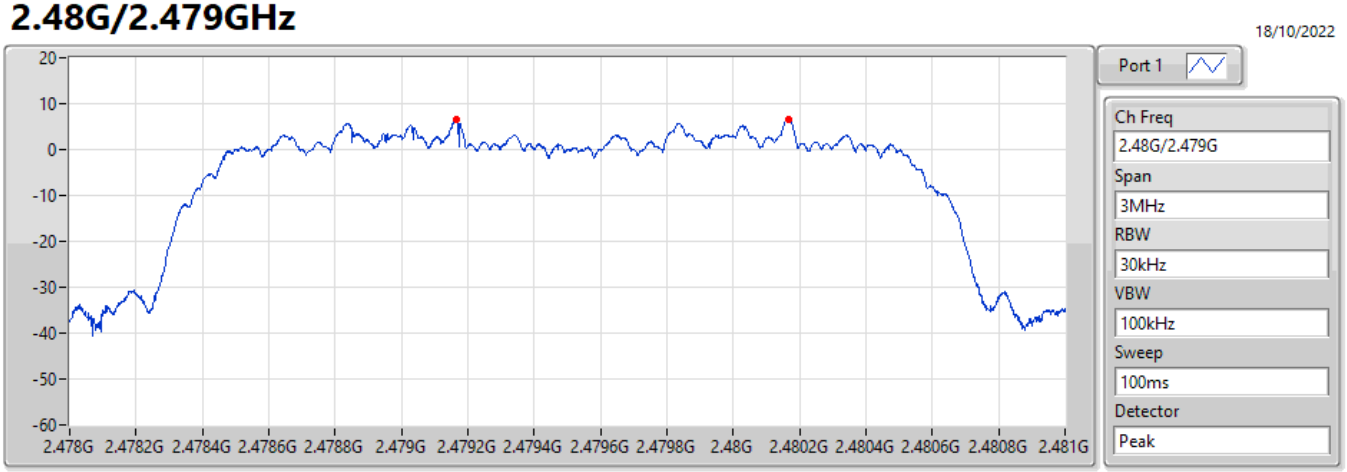
2.44G/2.441GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440164G	2.441166G	1.002M	881.118k

BT-EDR(2Mbps) **Channel Separation-FS**

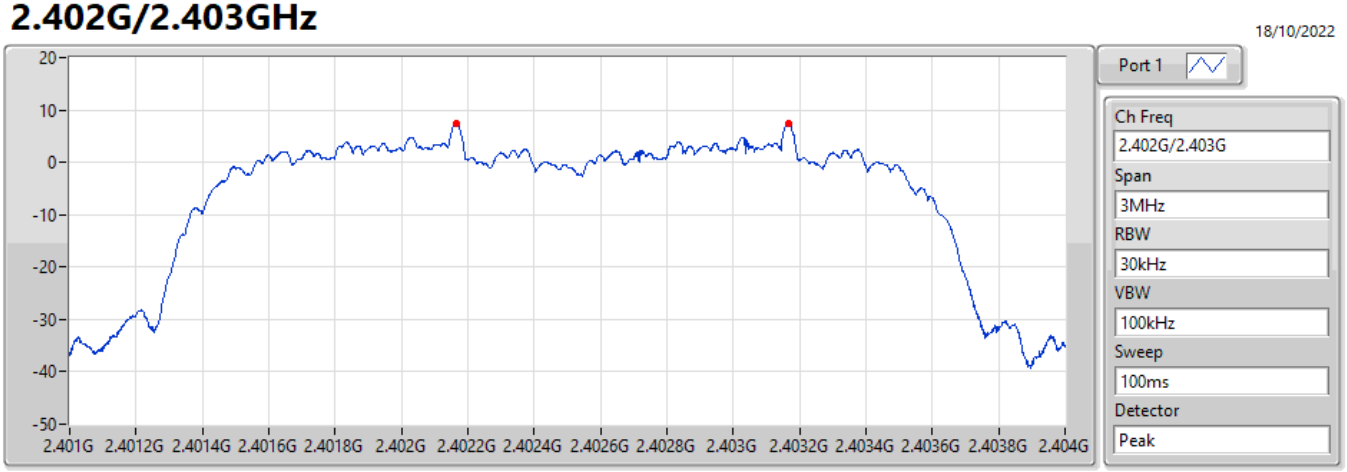
2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479164G	2.480166G	1.002M	881.118k

BT-EDR(3Mbps) **Channel Separation-FS**

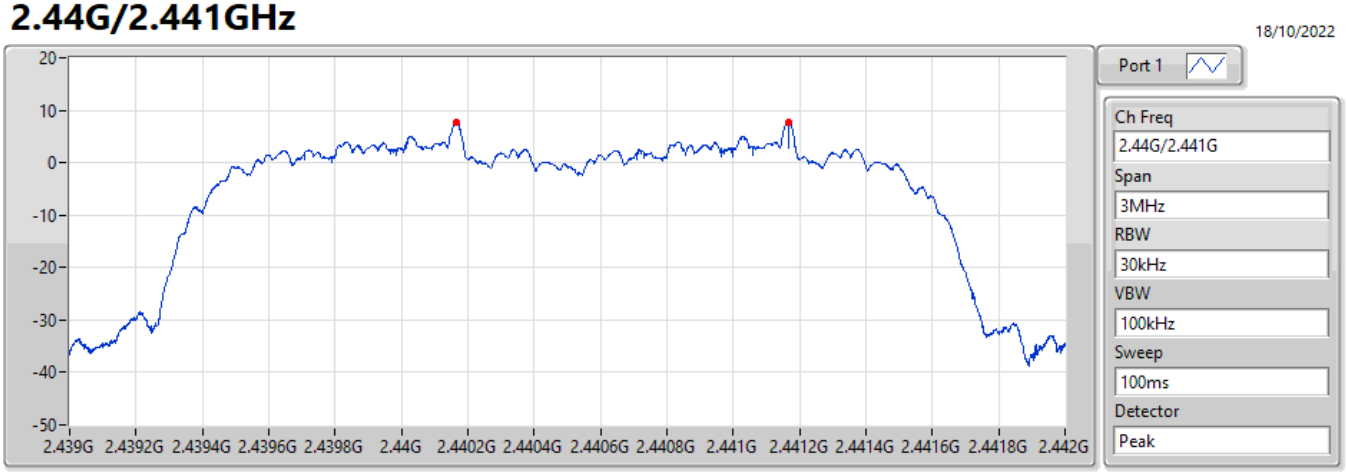
2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402164G	2.403166G	1.002M	855.144k

BT-EDR(3Mbps) **Channel Separation-FS**

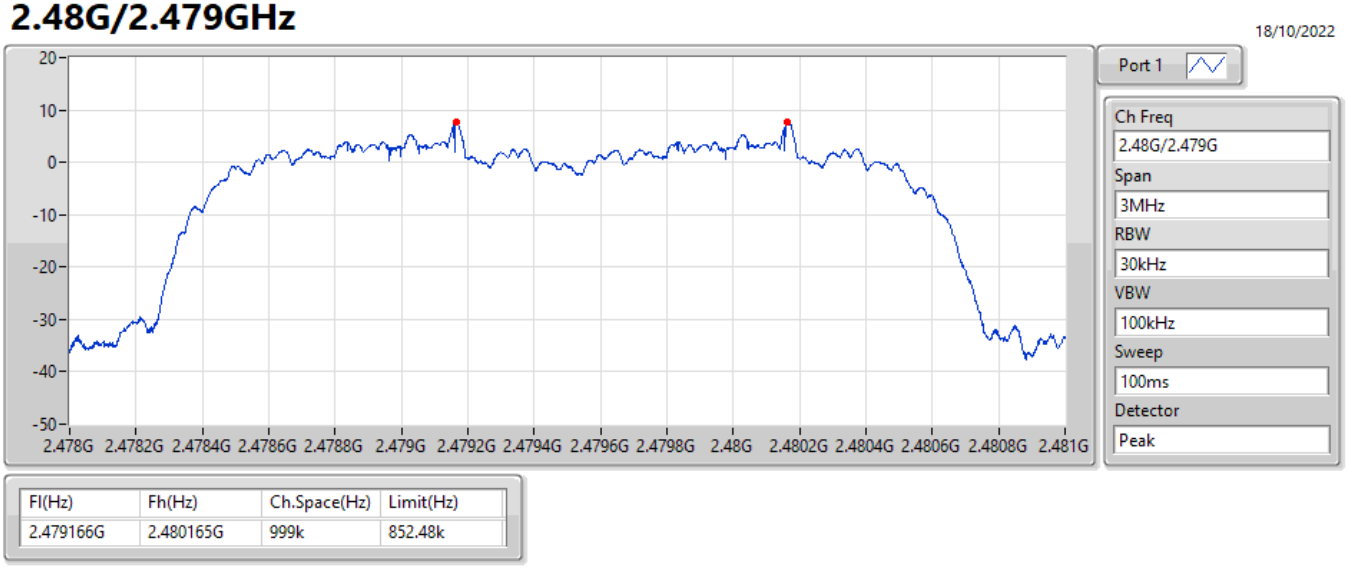
2.44G/2.441GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440166G	2.441166G	1.0005M	854.478k

BT-EDR(3Mbps) **Channel Separation-FS**

2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479166G	2.480165G	999k	852.48k

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	10.40	0.01096
BT-EDR(2Mbps)	12.89	0.01945
BT-EDR(3Mbps)	13.43	0.02203

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	-5.56	10.07	21.00
2440MHz	Pass	-5.56	10.36	21.00
2480MHz	Pass	-5.56	10.40	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	-5.56	12.89	21.00
2440MHz	Pass	-5.56	12.81	21.00
2480MHz	Pass	-5.56	12.77	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	-5.56	13.43	21.00
2440MHz	Pass	-5.56	13.34	21.00
2480MHz	Pass	-5.56	13.17	21.00

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

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	10.09	0.01021
BT-EDR(2Mbps)	10.06	0.01014
BT-EDR(3Mbps)	10.06	0.01014

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	-5.56	9.92	21.00
2440MHz	Pass	-5.56	10.06	21.00
2480MHz	Pass	-5.56	10.09	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	-5.56	9.97	21.00
2440MHz	Pass	-5.56	10.04	21.00
2480MHz	Pass	-5.56	10.06	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	-5.56	9.97	21.00
2440MHz	Pass	-5.56	10.02	21.00
2480MHz	Pass	-5.56	10.06	21.00

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

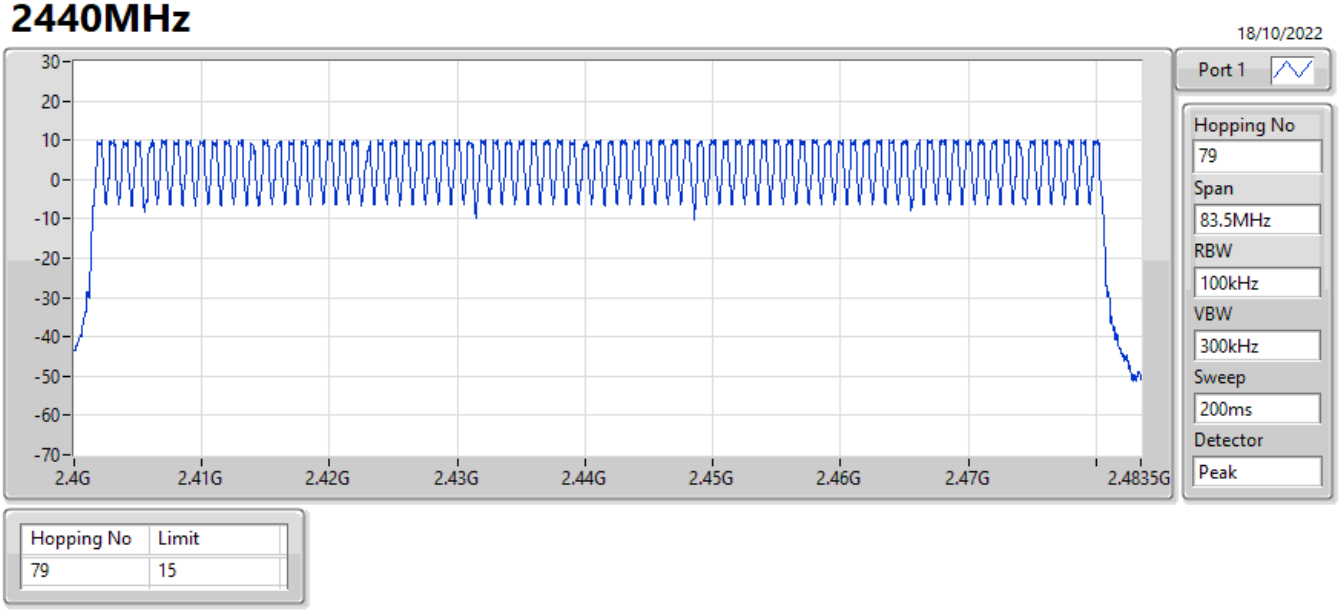
Summary

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

Result

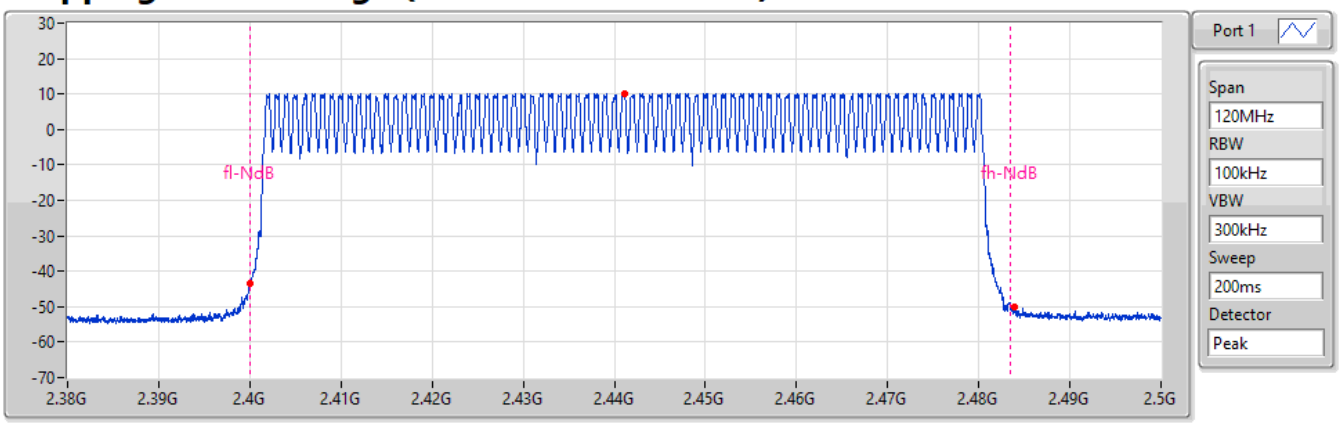
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz	Pass	79	15

BT-BR(1Mbps)
2440MHz
Hopping-FS



Hopping No	Limit
79	15

BT-BR(1Mbps)
2440MHz
Hopping Ch Bandedge (Non-restricted Band)

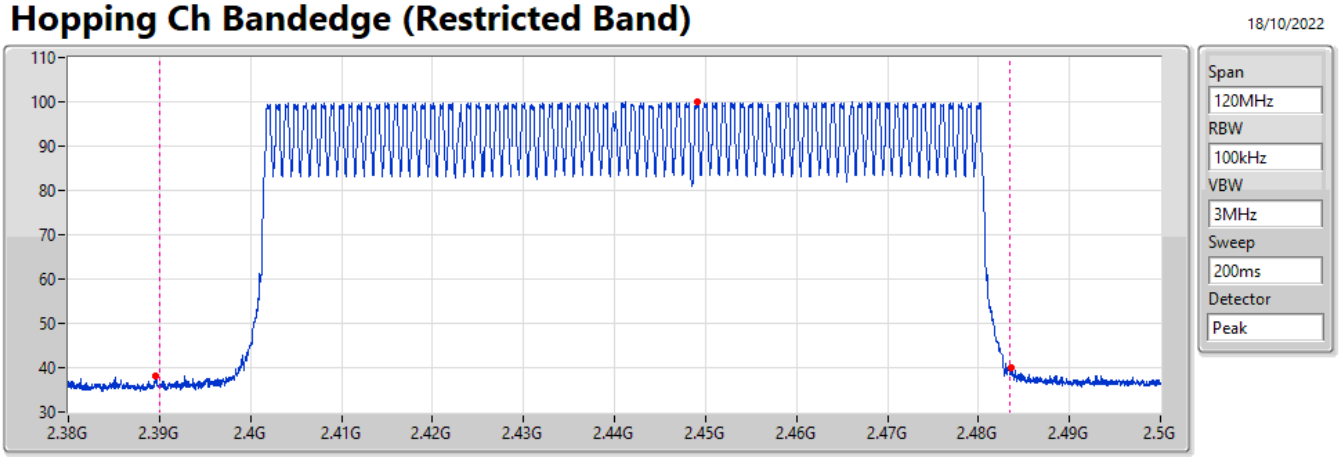


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-9.73	2.44117G	10.27	2.399995G	-43.43	2.483905G	-49.93

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

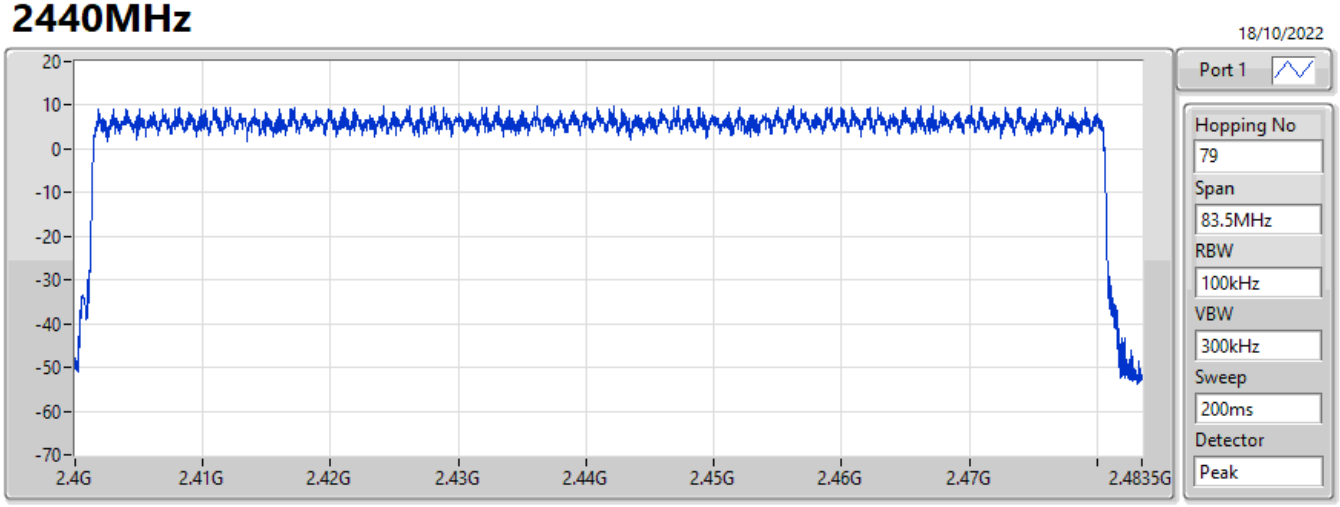


Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.449165G	99.91	2.38954G	37.97	7.87	2.483665G	39.97	9.87	74	54	3.125	-30.1

BT-EDR(2Mbps)

2440MHz

Hopping-FS

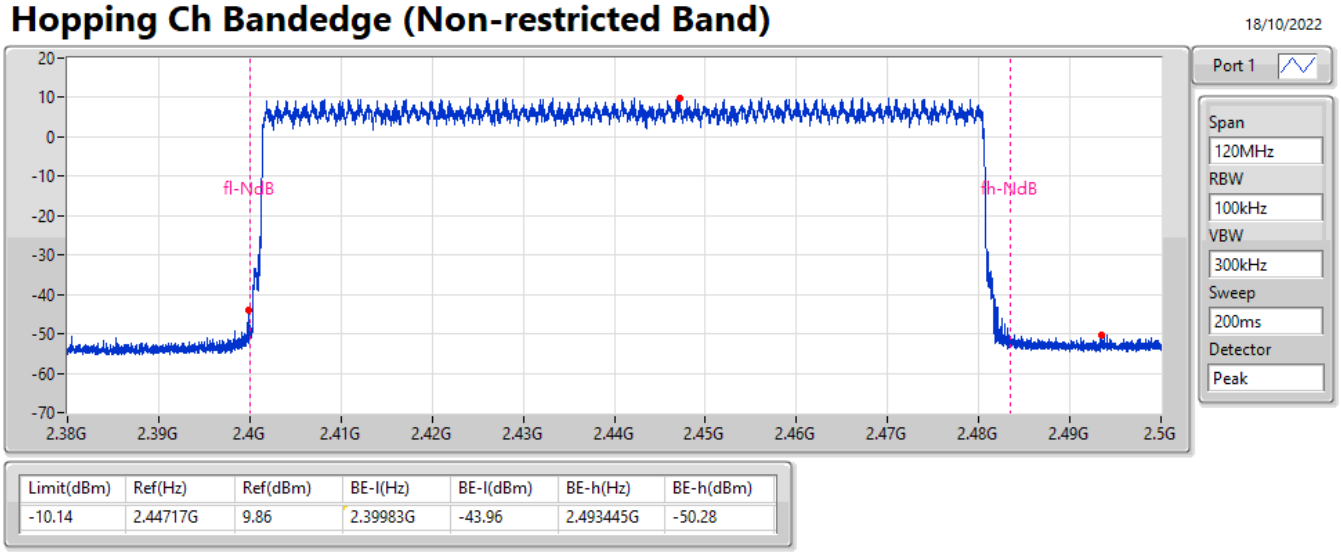


Hopping No	Limit
79	15

BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

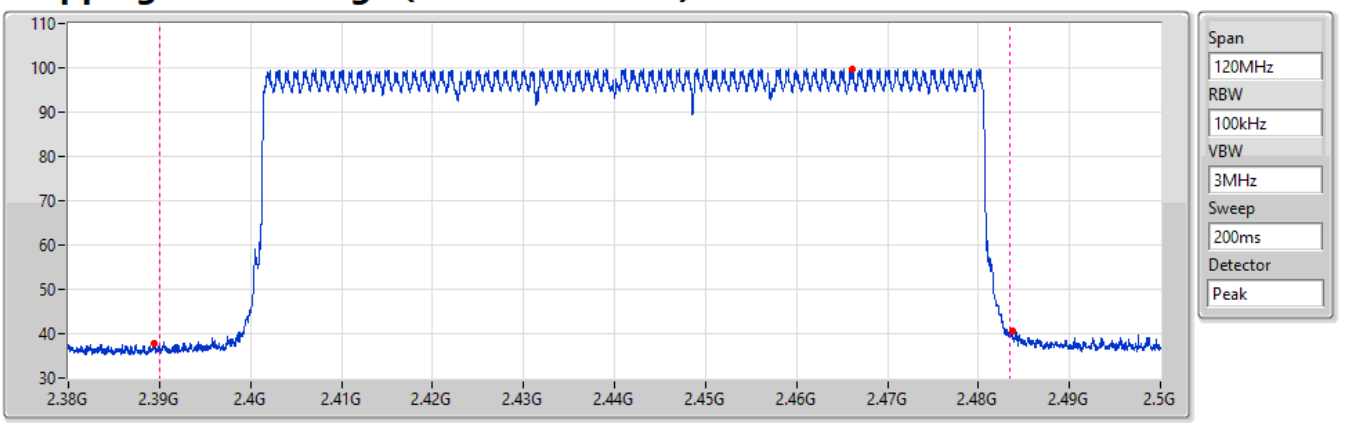


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-10.14	2.44717G	9.86	2.39983G	-43.96	2.493445G	-50.28

BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

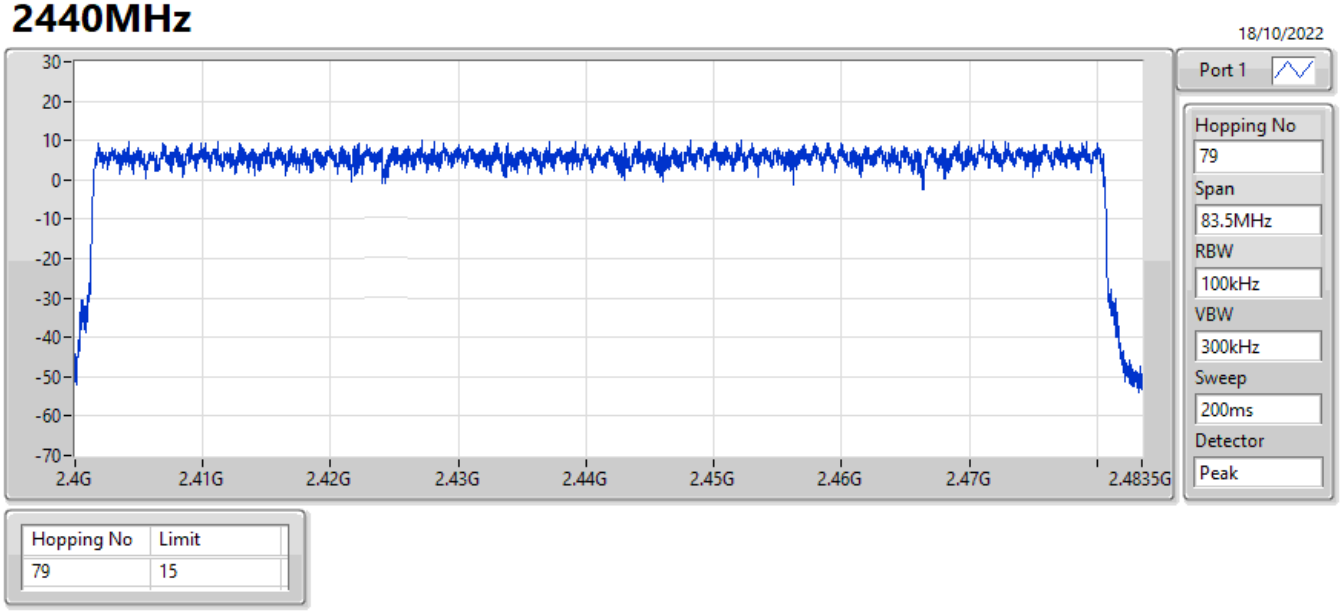


Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.46616G	99.75	2.389375G	37.84	7.74	2.48368G	40.69	10.59	74	54	3.125	-30.1

BT-EDR(3Mbps)

2440MHz

Hopping-FS

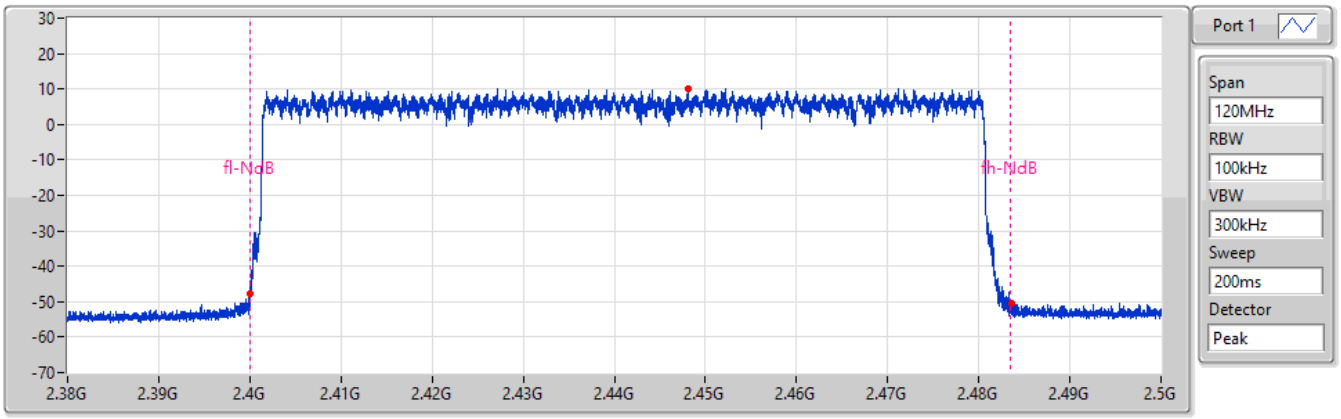


Hopping No	Limit
79	15

BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

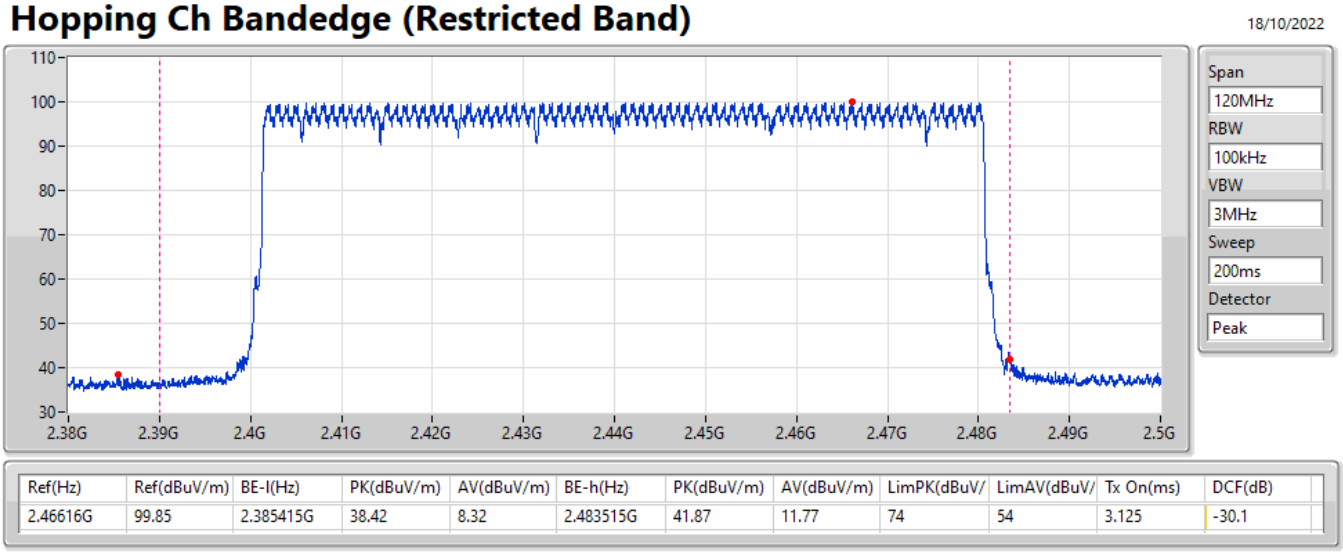


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-9.98	2.44816G	10.02	2.399995G	-47.77	2.483575G	-50.43

BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)



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)
2.46616G	99.85	2.385415G	38.42	8.32	2.483515G	41.87	11.77	74	54	3.125	-30.1

Summary

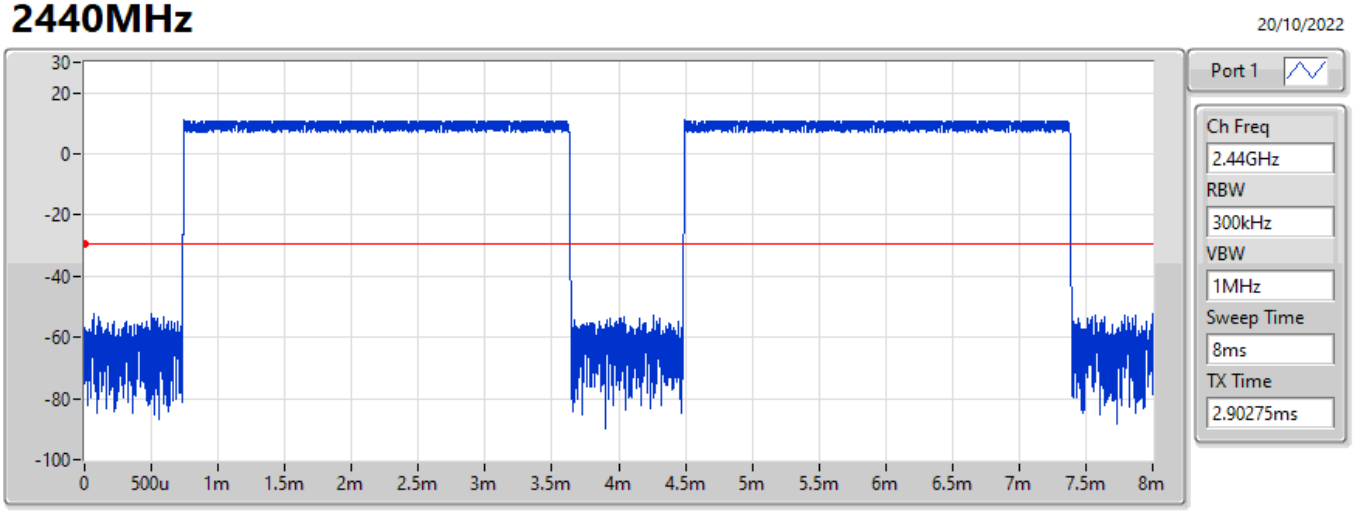
Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	309.43315m_DH5
BT-EDR(2Mbps)	309.27325m_DH5
BT-EDR(3Mbps)	309.5664m_DH5

Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.43315m_DH5	400m	2.90275m
2440MHz	Pass	8	154.743225m_DH5-AFH	400m	2.90325m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.27325m_DH5	400m	2.90125m
2440MHz	Pass	8	154.689925m_DH5-AFH	400m	2.90225m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.5664m_DH5	400m	2.904m
2440MHz	Pass	8	154.796525m_DH5-AFH	400m	2.90425m

BT-BR(1Mbps) **Dwell-FS**

2440MHz

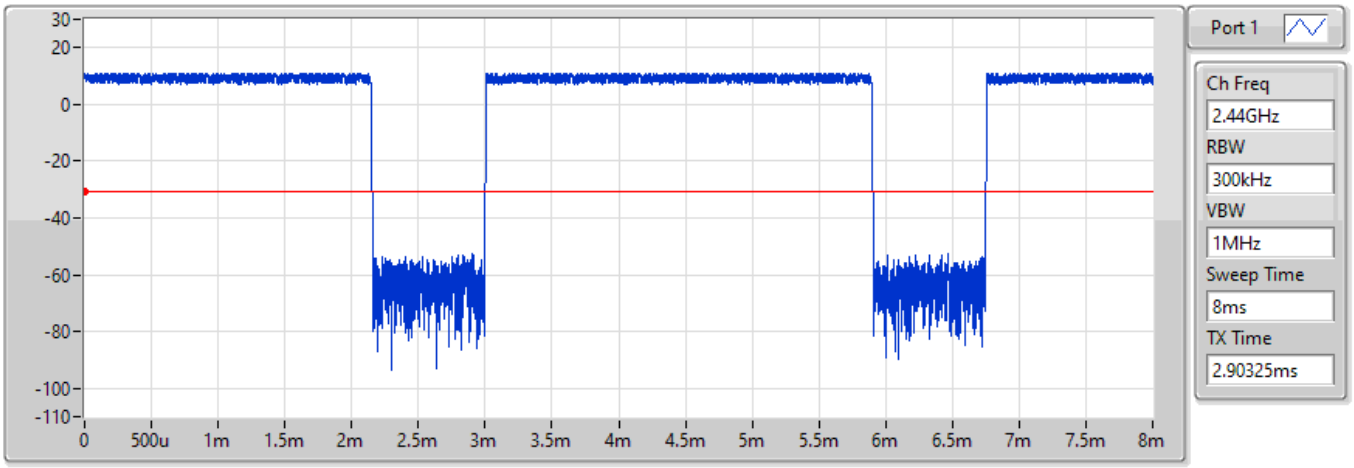


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.43315m_DH5	400m	2.90275m

DH5

BT-BR(1Mbps) **Dwell-FS**

2440MHz

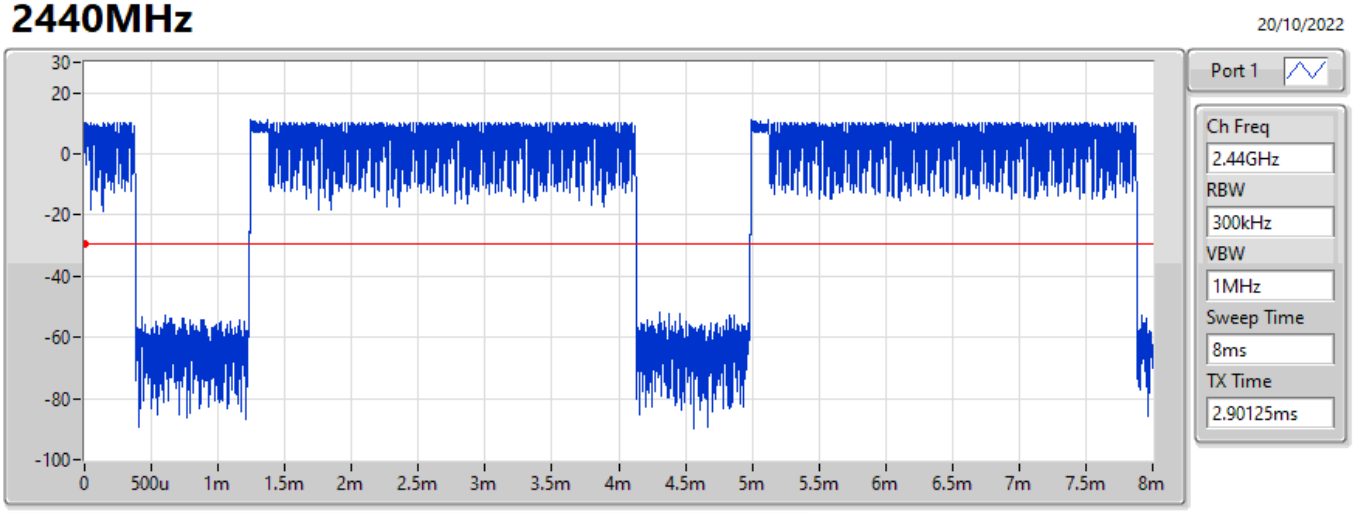


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.743225m_DH5-AFI	400m	2.90325m

DH5-AFH

BT-EDR(2Mbps) **Dwell-FS**

2440MHz

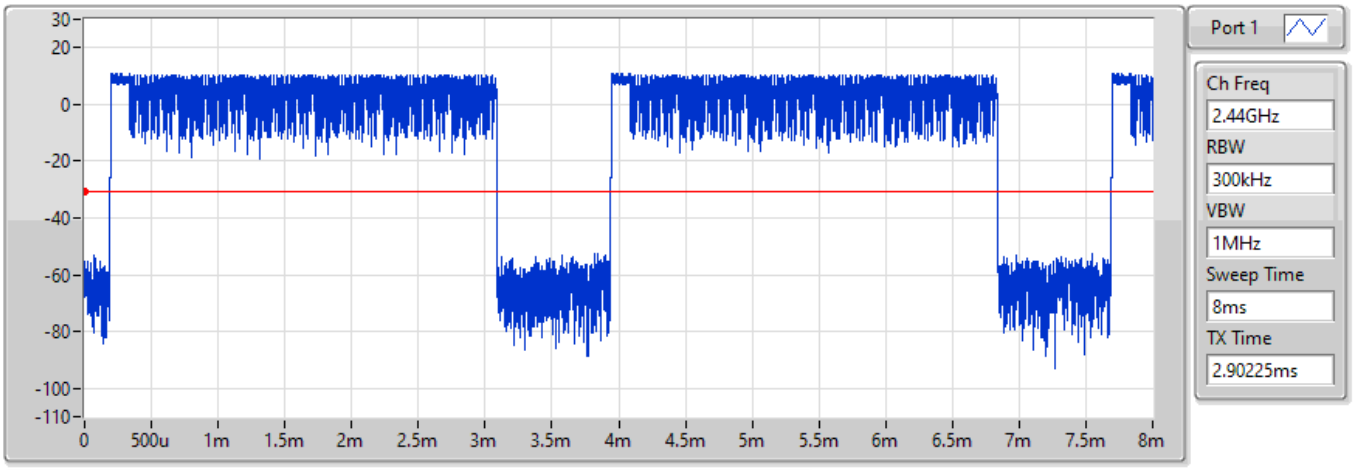


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.27325m_DH5	400m	2.90125m

DH5

BT-EDR(2Mbps) **Dwell-FS**

2440MHz

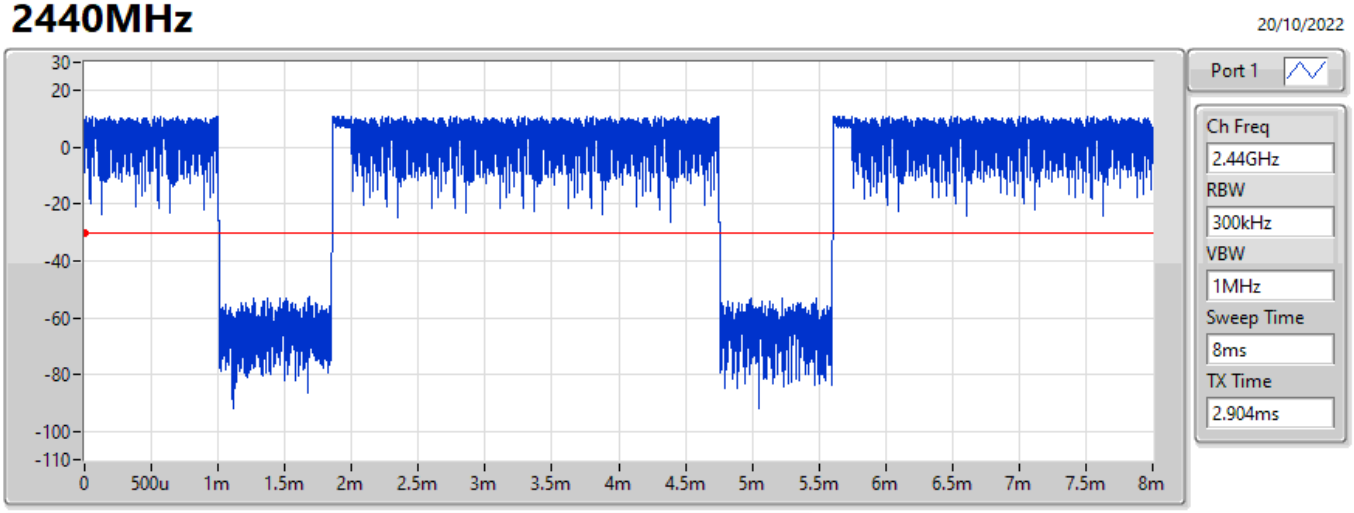


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.689925m_DH5-AFI	400m	2.90225m

DH5-AFH

BT-EDR(3Mbps) **Dwell-FS**

2440MHz

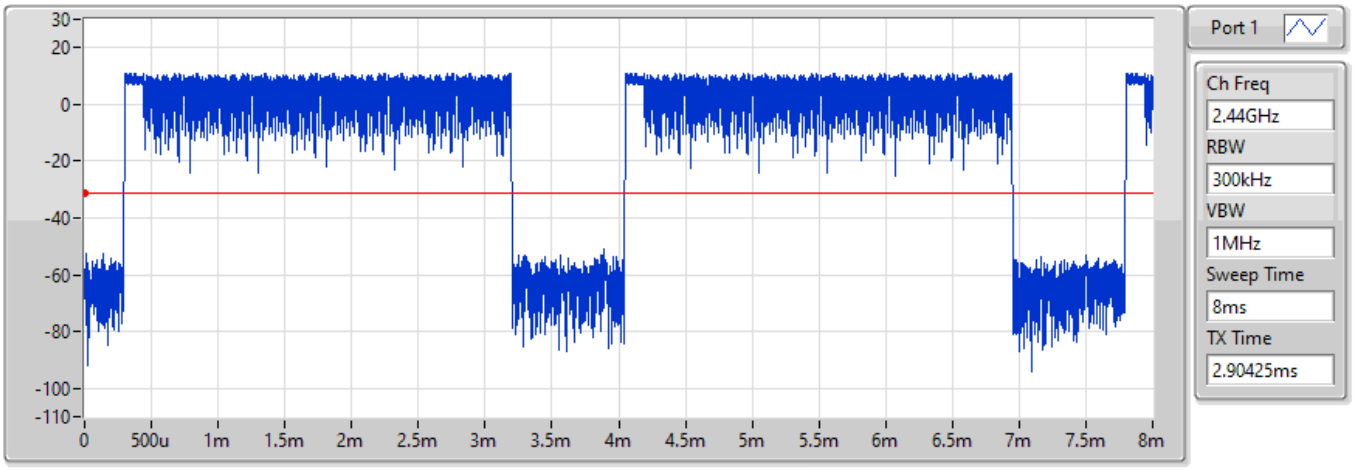


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.5664m_DH5	400m	2.904m

DH5

BT-EDR(3Mbps) **Dwell-FS**

2440MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.796525m_DH5-AFI	400m	2.90425m

DH5-AFH

Summary

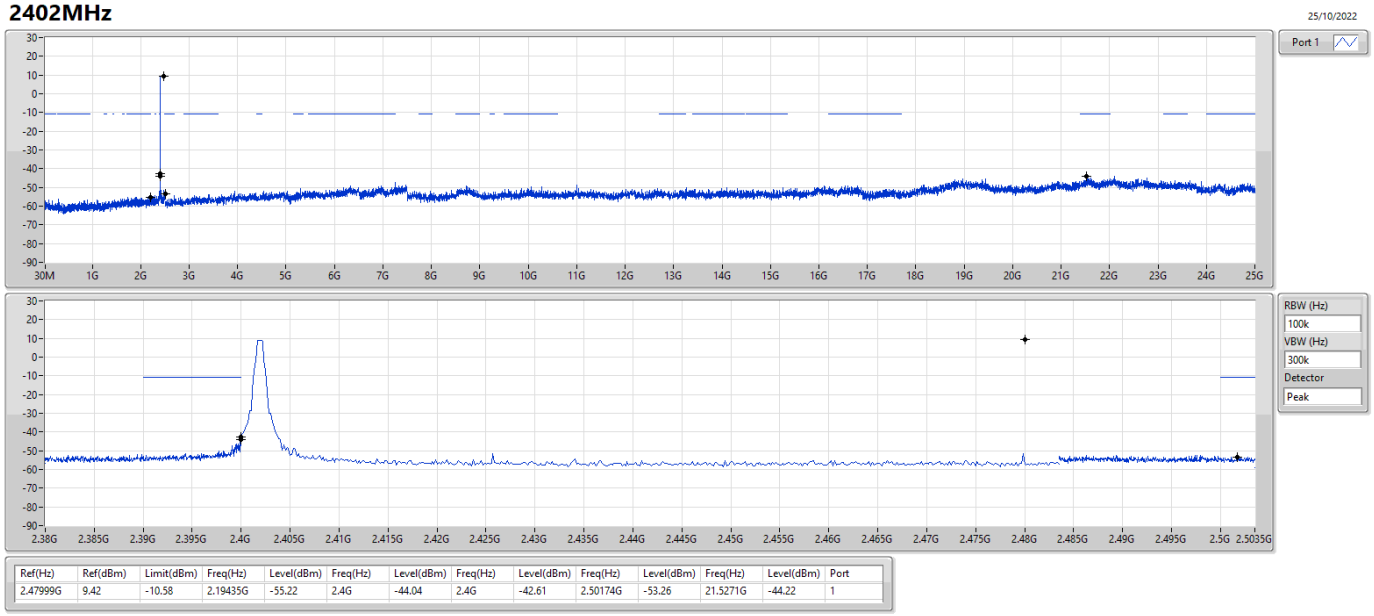
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.47999G	9.42	-10.58	2.19435G	-55.22	2.4G	-44.04	2.4G	-42.61	2.50174G	-53.26	21.5271G	-44.22	1
BT-EDR(2Mbps)	Pass	2.43991G	9.04	-10.96	1.957G	-54.74	2.39988G	-44.03	2.4G	-48.27	2.5001G	-53.20	21.8758G	-44.02	1
BT-EDR(3Mbps)	Pass	2.40184G	7.98	-12.02	1.92763G	-54.67	2.4G	-44.35	2.4G	-42.61	2.50038G	-51.97	21.98266G	-44.65	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	2.47999G	9.42	-10.58	2.19435G	-55.22	2.4G	-44.04	2.4G	-42.61	2.50174G	-53.26	21.5271G	-44.22	1
2440MHz	Pass	2.47999G	9.42	-10.58	2.09683G	-55.45	2.394G	-52.86	2.4G	-57.43	2.50006G	-51.96	21.5974G	-44.19	1
2480MHz	Pass	2.47999G	9.42	-10.58	1.77135G	-54.86	2.39528G	-52.70	2.4G	-57.79	2.5025G	-52.89	21.48773G	-45.14	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	9.04	-10.96	1.957G	-54.74	2.39988G	-44.03	2.4G	-48.27	2.5001G	-53.20	21.8758G	-44.02	1
2440MHz	Pass	2.43991G	9.04	-10.96	1.88885G	-54.73	2.4G	-51.92	2.4G	-56.51	2.50146G	-52.87	21.9236G	-45.22	1
2480MHz	Pass	2.43991G	9.04	-10.96	2.18965G	-53.73	2.39768G	-52.12	2.4G	-58.11	2.50126G	-52.94	21.59459G	-45.37	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	7.98	-12.02	1.92763G	-54.67	2.4G	-44.35	2.4G	-42.61	2.50038G	-51.97	21.98266G	-44.65	1
2440MHz	Pass	2.40184G	7.98	-12.02	1.9335G	-54.57	2.39012G	-52.95	2.4G	-57.43	2.50322G	-52.90	21.60022G	-44.54	1
2480MHz	Pass	2.40184G	7.98	-12.02	1.71848G	-54.97	2.39876G	-53.03	2.4G	-56.15	2.50038G	-51.86	21.59459G	-43.92	1

BT-BR(1Mbps) **CSENdB-FS**

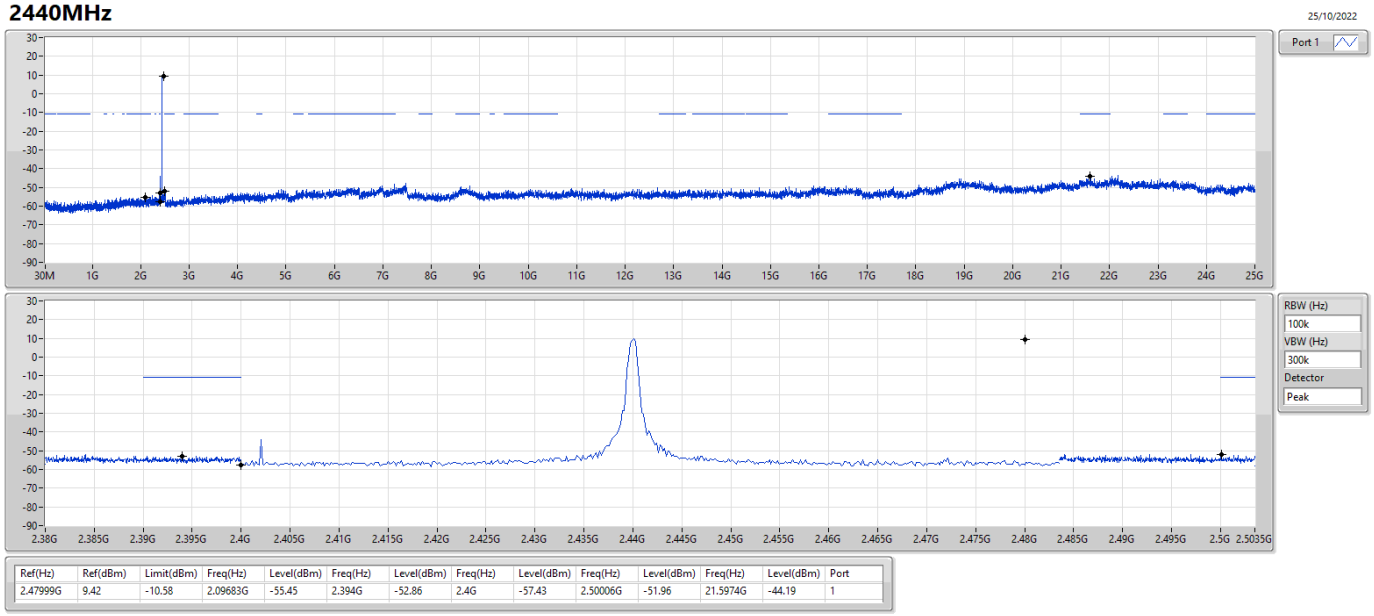
2402MHz



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
2.47999G	9.42	-10.58	2.19435G	-55.22	2.4G	-44.04	2.4G	-42.61	2.50174G	-53.26	21.5271G	-44.22	1

BT-BR(1Mbps) **CSENdB-FS**

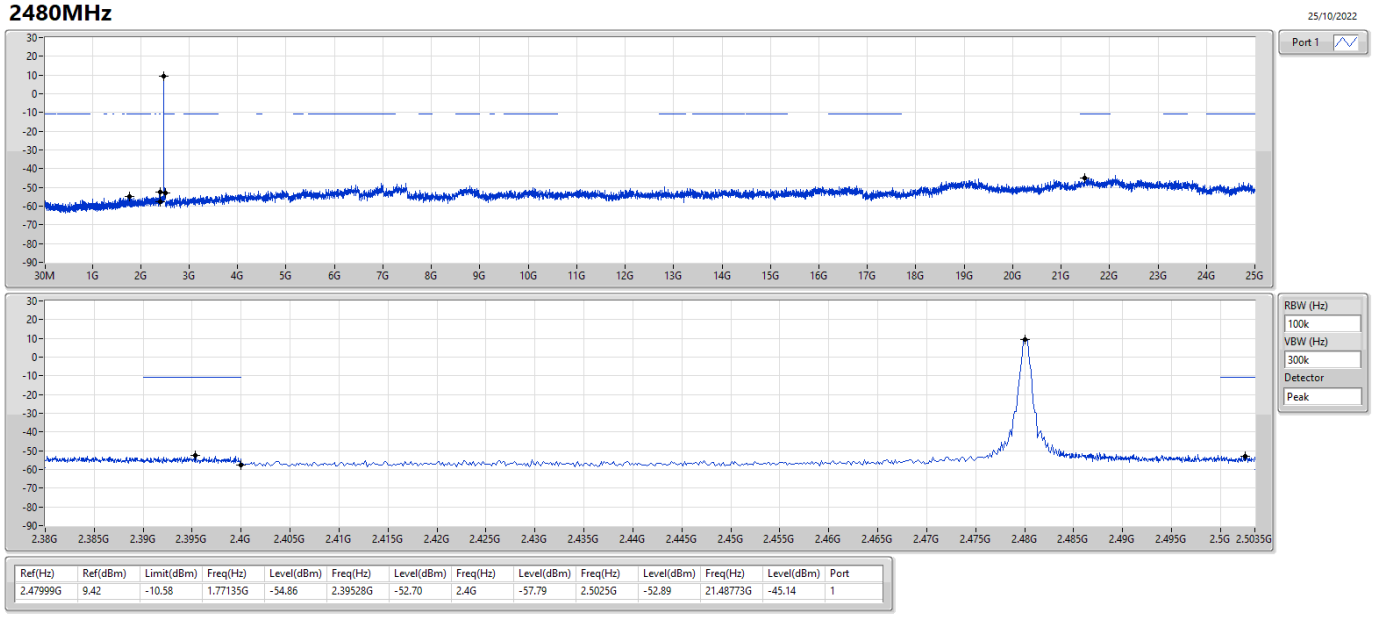
2440MHz



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
2.47999G	9.42	-10.58	2.09683G	-55.45	2.394G	-52.86	2.4G	-57.43	2.50006G	-51.96	21.5974G	-44.19	1

BT-BR(1Mbps) **CSENdB-FS**

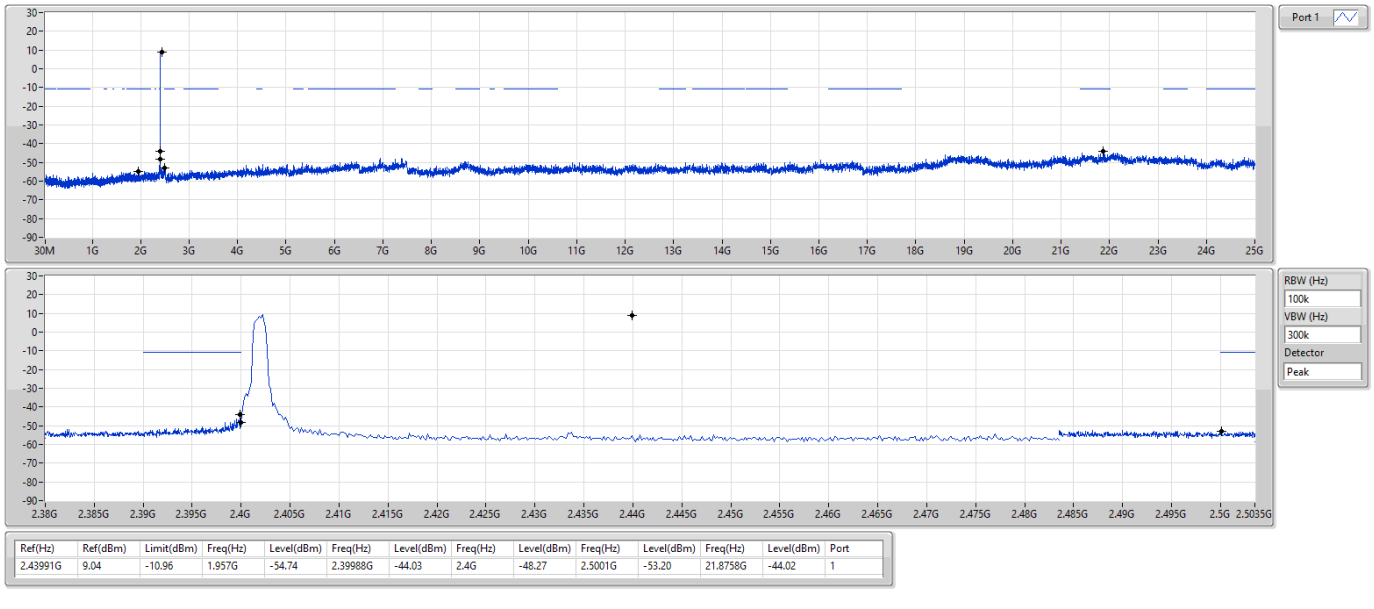
2480MHz



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
2.47999G	9.42	-10.58	1.77135G	-54.86	2.39528G	-52.70	2.4G	-57.79	2.5025G	-52.89	21.48773G	-45.14	1

BT-EDR(2Mbps) **CSENdB-FS**

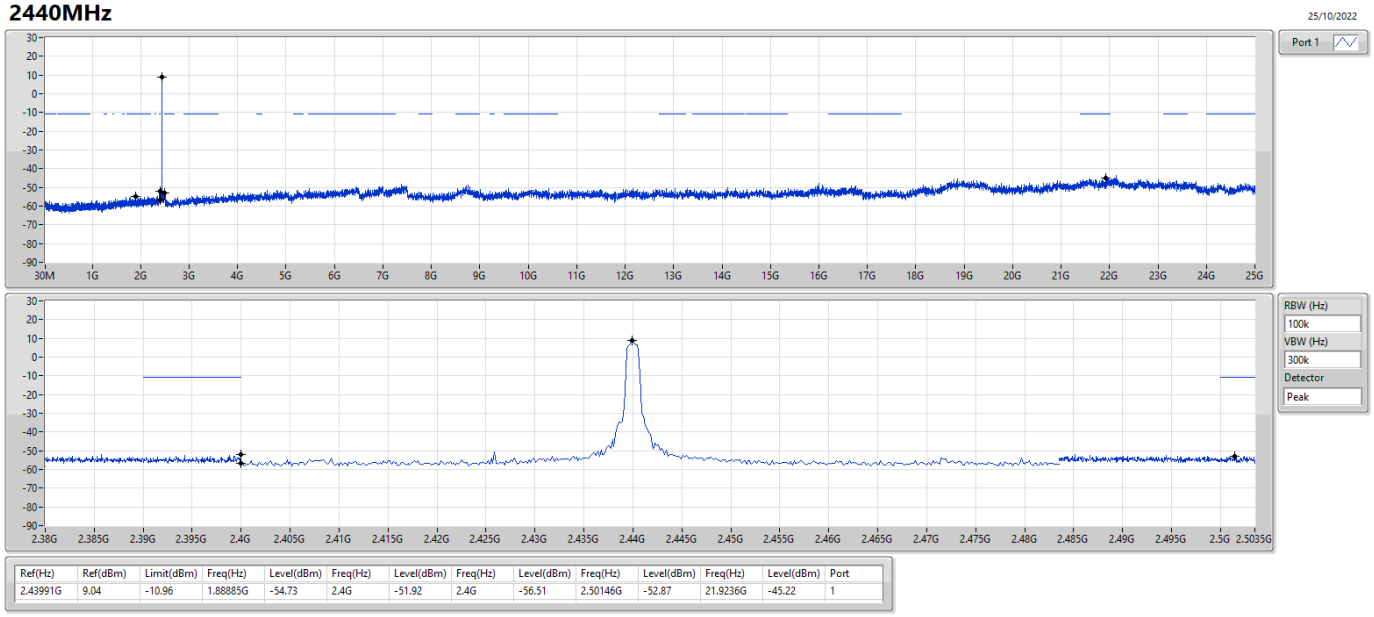
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43991G	9.04	-10.96	1.957G	-54.74	2.39988G	-44.03	2.4G	-48.27	2.5001G	-53.20	21.8758G	-44.02	1

BT-EDR(2Mbps) **CSENdB-FS**

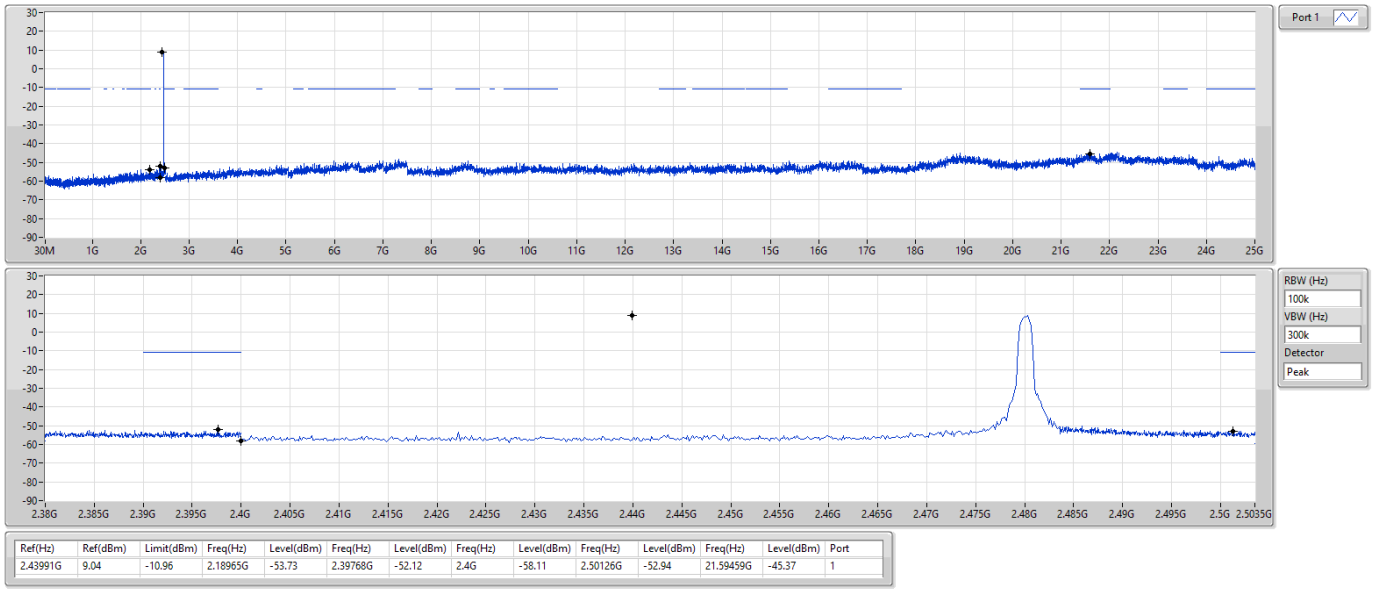
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43991G	9.04	-10.96	1.88885G	-54.73	2.4G	-51.92	2.4G	-56.51	2.50146G	-52.87	21.9236G	-45.22	1

BT-EDR(2Mbps) **CSENdB-FS**

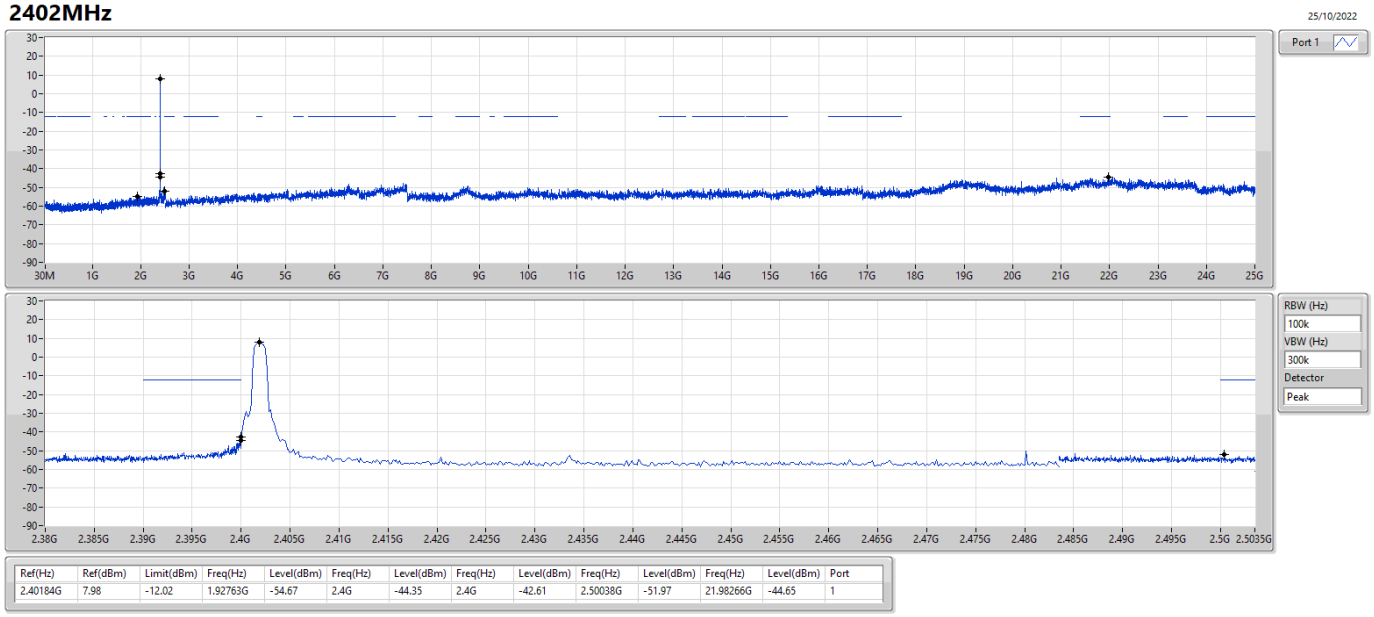
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43991G	9.04	-10.96	2.18965G	-53.73	2.39768G	-52.12	2.4G	-58.11	2.50126G	-52.94	21.59459G	-45.37	1

BT-EDR(3Mbps) **CSENdB-FS**

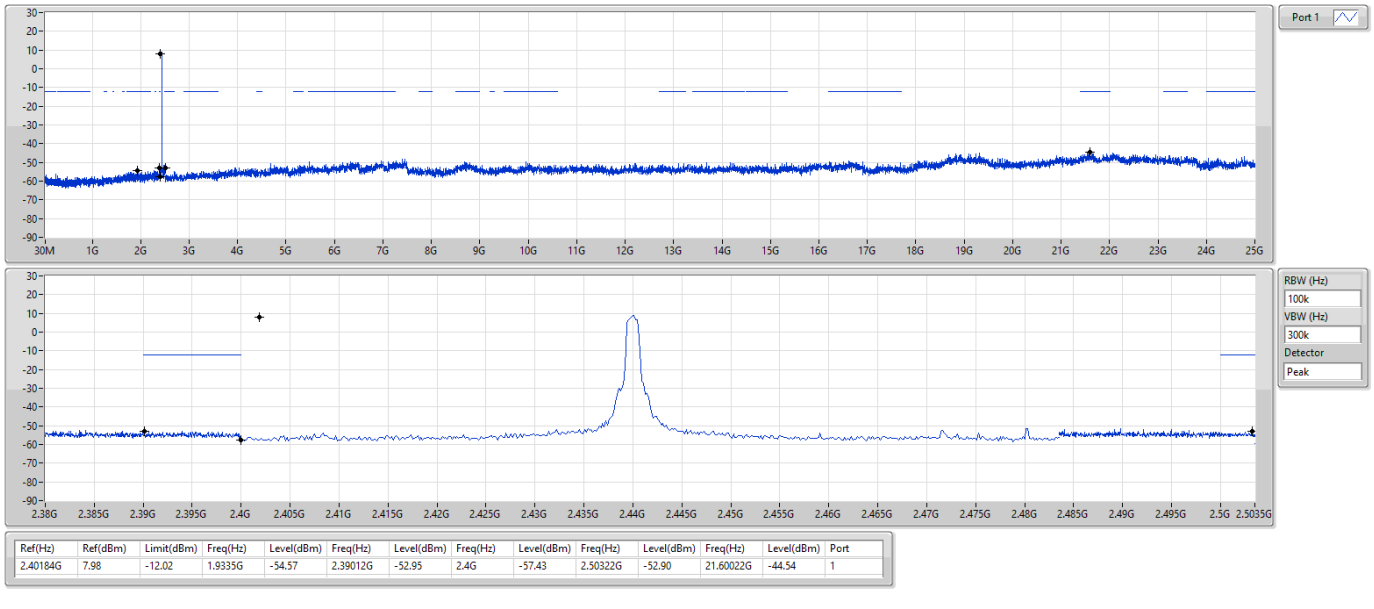
2402MHz



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
2.40184G	7.98	-12.02	1.92763G	-54.67	2.4G	-44.35	2.4G	-42.61	2.50038G	-51.97	21.98266G	-44.65	1

BT-EDR(3Mbps) **CSENdB-FS**

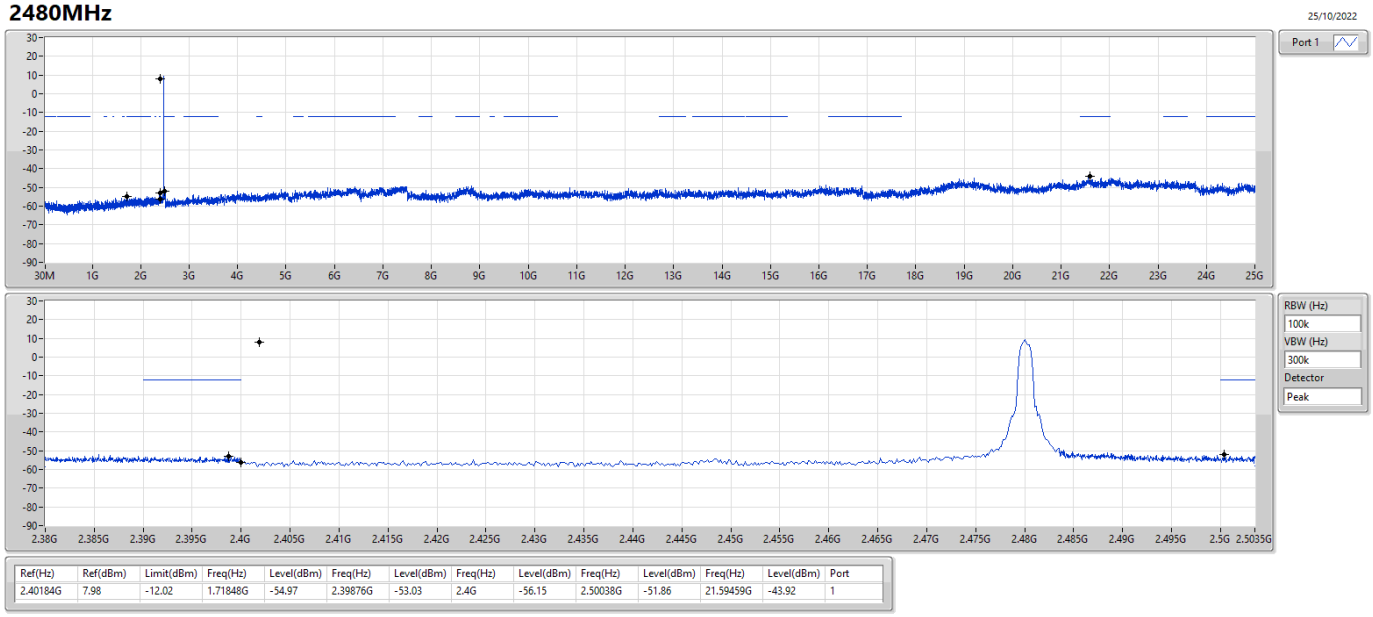
2440MHz



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
2.40184G	7.98	-12.02	1.9335G	-54.57	2.39012G	-52.95	2.4G	-57.43	2.50322G	-52.90	21.60022G	-44.54	1

BT-EDR(3Mbps) **CSENdB-FS**

2480MHz



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
2.40184G	7.98	-12.02	1.71848G	-54.97	2.39876G	-53.03	2.4G	-56.15	2.50038G	-51.86	21.59459G	-43.92	1

Summary

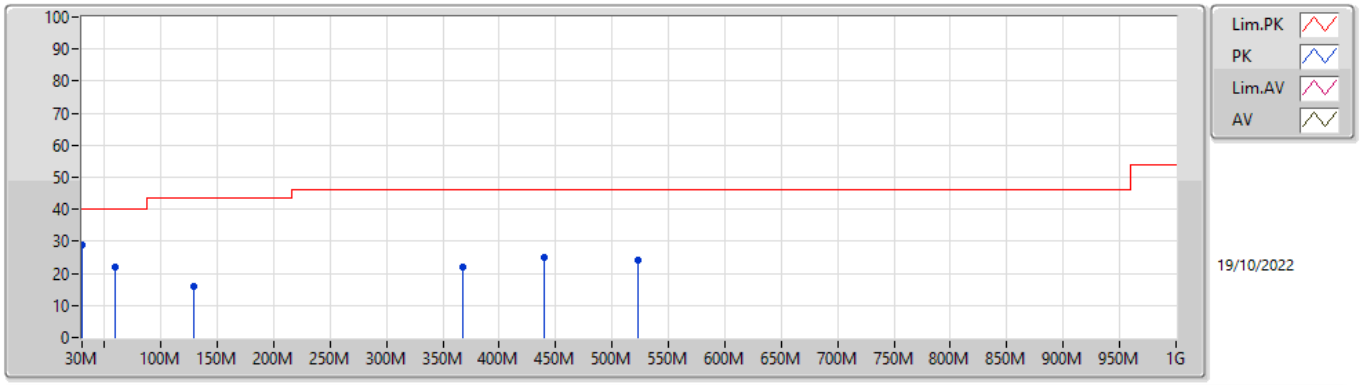
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-EDR(3Mbps)	Pass	PK	30M	28.70	40.00	-11.30	3	Vertical	360	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	PK	30M	28.70	40.00	-11.30	3	Vertical	360	1.00	-
2402MHz	Pass	PK	59.1M	22.12	40.00	-17.88	3	Vertical	360	1.00	-
2402MHz	Pass	PK	128.94M	15.87	43.50	-27.63	3	Vertical	360	1.00	-
2402MHz	Pass	PK	367.56M	22.13	46.00	-23.87	3	Vertical	360	1.00	-
2402MHz	Pass	PK	439.34M	25.18	46.00	-20.82	3	Vertical	360	1.00	-
2402MHz	Pass	PK	522.76M	24.00	46.00	-22.00	3	Vertical	360	1.00	-
2402MHz	Pass	PK	30M	23.57	40.00	-16.43	3	Horizontal	0	1.00	-
2402MHz	Pass	PK	148.34M	14.45	43.50	-29.05	3	Horizontal	0	1.00	-
2402MHz	Pass	PK	256.98M	16.73	46.00	-29.27	3	Horizontal	0	1.00	-
2402MHz	Pass	PK	400.54M	24.50	46.00	-21.50	3	Horizontal	0	1.00	-
2402MHz	Pass	PK	439.34M	25.42	46.00	-20.58	3	Horizontal	0	1.00	-
2402MHz	Pass	PK	491.72M	25.83	46.00	-20.17	3	Horizontal	0	1.00	-

BT-EDR(3Mbps)

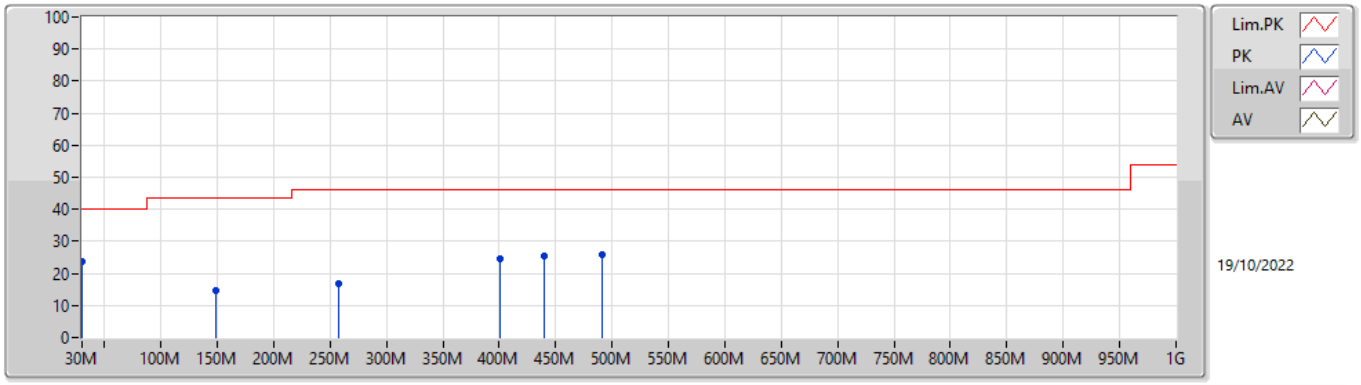
2402MHz_Battery



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	28.70	40.00	-11.30	-12.95	3	Vertical	360	1.00	-	41.65	23.71	0.54	37.20
PK	59.1M	22.12	40.00	-17.88	-25.30	3	Vertical	360	1.00	-	47.42	11.02	0.76	37.08
PK	128.94M	15.87	43.50	-27.63	-18.62	3	Vertical	360	1.00	-	34.49	16.77	1.15	36.54
PK	367.56M	22.13	46.00	-23.87	-14.64	3	Vertical	360	1.00	-	36.77	19.85	2.03	36.52
PK	439.34M	25.18	46.00	-20.82	-12.38	3	Vertical	360	1.00	-	37.56	22.02	2.22	36.62
PK	522.76M	24.00	46.00	-22.00	-11.47	3	Vertical	360	1.00	-	35.47	23.12	2.46	37.05

BT-EDR(3Mbps)

2402MHz_Battery



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	23.57	40.00	-16.43	-12.95	3	Horizontal	0	1.00	-	36.52	23.71	0.54	37.20
PK	148.34M	14.45	43.50	-29.05	-18.82	3	Horizontal	0	1.00	-	33.27	16.35	1.26	36.43
PK	256.98M	16.73	46.00	-29.27	-16.05	3	Horizontal	0	1.00	-	32.78	18.77	1.65	36.47
PK	400.54M	24.50	46.00	-21.50	-13.43	3	Horizontal	0	1.00	-	37.93	20.95	2.13	36.51
PK	439.34M	25.42	46.00	-20.58	-12.38	3	Horizontal	0	1.00	-	37.80	22.02	2.22	36.62
PK	491.72M	25.83	46.00	-20.17	-11.55	3	Horizontal	0	1.00	-	37.38	23.00	2.38	36.93

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	PK	4.80369G	58.83	74.00	-15.17	3	Horizontal	154	1.00	-
BT-EDR(3Mbps)	Pass	PK	2.496G	57.98	74.00	-16.02	3	Horizontal	184	1.69	-

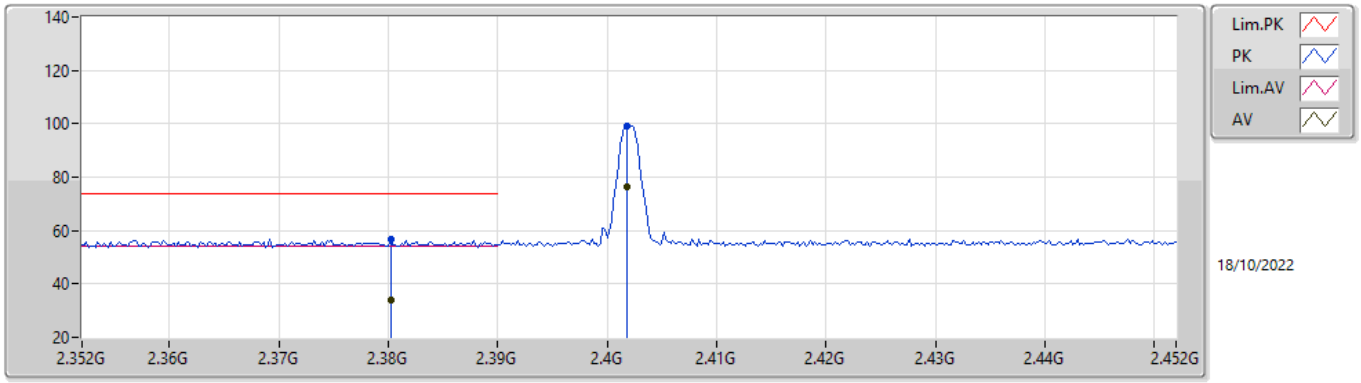
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3802G	34.20	54.00	-19.80	3	Vertical	49	1.81	-
2402MHz	Pass	AV	2.4018G	76.61	Inf	-Inf	3	Vertical	49	1.81	-
2402MHz	Pass	PK	2.3802G	56.70	74.00	-17.30	3	Vertical	49	1.81	-
2402MHz	Pass	PK	2.4018G	99.11	Inf	-Inf	3	Vertical	49	1.81	-
2402MHz	Pass	AV	2.3808G	34.18	54.00	-19.82	3	Horizontal	211	1.05	-
2402MHz	Pass	AV	2.4018G	75.93	Inf	-Inf	3	Horizontal	211	1.05	-
2402MHz	Pass	PK	2.3808G	56.68	74.00	-17.32	3	Horizontal	211	1.05	-
2402MHz	Pass	PK	2.4018G	98.43	Inf	-Inf	3	Horizontal	211	1.05	-
2402MHz	Pass	AV	4.80422G	31.71	54.00	-22.29	3	Vertical	60	1.64	-
2402MHz	Pass	PK	4.80422G	54.21	74.00	-19.79	3	Vertical	60	1.64	-
2402MHz	Pass	AV	4.80369G	36.33	54.00	-17.67	3	Horizontal	154	1.00	-
2402MHz	Pass	PK	4.80369G	58.83	74.00	-15.17	3	Horizontal	154	1.00	-
2440MHz	Pass	AV	2.3728G	34.35	54.00	-19.65	3	Vertical	43	1.02	-
2440MHz	Pass	AV	2.44G	76.46	Inf	-Inf	3	Vertical	43	1.02	-
2440MHz	Pass	AV	2.5G	35.12	54.00	-18.88	3	Vertical	43	1.02	-
2440MHz	Pass	PK	2.3728G	56.85	74.00	-17.15	3	Vertical	43	1.02	-
2440MHz	Pass	PK	2.44G	98.96	Inf	-Inf	3	Vertical	43	1.02	-
2440MHz	Pass	PK	2.5G	57.62	74.00	-16.38	3	Vertical	43	1.02	-
2440MHz	Pass	AV	2.3656G	33.98	54.00	-20.02	3	Horizontal	210	1.50	-
2440MHz	Pass	AV	2.44G	74.72	Inf	-Inf	3	Horizontal	210	1.50	-
2440MHz	Pass	AV	2.4992G	35.29	54.00	-18.71	3	Horizontal	210	1.50	-
2440MHz	Pass	PK	2.3656G	56.48	74.00	-17.52	3	Horizontal	210	1.50	-
2440MHz	Pass	PK	2.44G	97.22	Inf	-Inf	3	Horizontal	210	1.50	-
2440MHz	Pass	PK	2.4992G	57.79	74.00	-16.21	3	Horizontal	210	1.50	-
2440MHz	Pass	AV	4.87964G	31.41	54.00	-22.59	3	Vertical	62	1.60	-
2440MHz	Pass	PK	4.87964G	53.91	74.00	-20.09	3	Vertical	62	1.60	-
2440MHz	Pass	AV	4.87981G	33.01	54.00	-20.99	3	Horizontal	171	1.76	-
2440MHz	Pass	PK	4.87981G	55.51	74.00	-18.49	3	Horizontal	171	1.76	-
2480MHz	Pass	AV	2.4798G	75.36	Inf	-Inf	3	Vertical	49	1.07	-
2480MHz	Pass	AV	2.4948G	34.92	54.00	-19.08	3	Vertical	49	1.07	-
2480MHz	Pass	PK	2.4798G	97.86	Inf	-Inf	3	Vertical	49	1.07	-
2480MHz	Pass	PK	2.4948G	57.42	74.00	-16.58	3	Vertical	49	1.07	-
2480MHz	Pass	AV	2.4802G	72.45	Inf	-Inf	3	Horizontal	186	1.18	-
2480MHz	Pass	AV	2.4898G	34.88	54.00	-19.12	3	Horizontal	186	1.18	-
2480MHz	Pass	PK	2.4802G	94.95	Inf	-Inf	3	Horizontal	186	1.18	-
2480MHz	Pass	PK	2.4898G	57.38	74.00	-16.62	3	Horizontal	186	1.18	-
2480MHz	Pass	AV	4.96026G	32.65	54.00	-21.35	3	Vertical	68	2.18	-
2480MHz	Pass	PK	4.96026G	55.15	74.00	-18.85	3	Vertical	68	2.18	-
2480MHz	Pass	AV	4.95967G	33.48	54.00	-20.52	3	Horizontal	172	1.50	-
2480MHz	Pass	PK	4.95967G	55.98	74.00	-18.02	3	Horizontal	172	1.50	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3724G	34.17	54.00	-19.83	3	Vertical	42	1.11	-
2402MHz	Pass	AV	2.402G	78.63	Inf	-Inf	3	Vertical	42	1.11	-
2402MHz	Pass	PK	2.3724G	56.67	74.00	-17.33	3	Vertical	42	1.11	-
2402MHz	Pass	PK	2.402G	101.13	Inf	-Inf	3	Vertical	42	1.11	-
2402MHz	Pass	AV	2.3842G	34.29	54.00	-19.71	3	Horizontal	211	1.06	-
2402MHz	Pass	AV	2.402G	77.94	Inf	-Inf	3	Horizontal	211	1.06	-
2402MHz	Pass	PK	2.3842G	56.79	74.00	-17.21	3	Horizontal	211	1.06	-
2402MHz	Pass	PK	2.402G	100.44	Inf	-Inf	3	Horizontal	211	1.06	-
2402MHz	Pass	AV	4.80369G	31.53	54.00	-22.47	3	Vertical	60	1.28	-
2402MHz	Pass	PK	4.80369G	54.03	74.00	-19.97	3	Vertical	60	1.28	-
2402MHz	Pass	AV	4.80393G	34.06	54.00	-19.94	3	Horizontal	173	1.70	-
2402MHz	Pass	PK	4.80393G	56.56	74.00	-17.44	3	Horizontal	173	1.70	-
2440MHz	Pass	AV	2.3552G	34.58	54.00	-19.42	3	Vertical	44	1.01	-
2440MHz	Pass	AV	2.44G	77.96	Inf	-Inf	3	Vertical	44	1.01	-
2440MHz	Pass	AV	2.4868G	34.32	54.00	-19.68	3	Vertical	44	1.01	-
2440MHz	Pass	PK	2.3552G	57.08	74.00	-16.92	3	Vertical	44	1.01	-
2440MHz	Pass	PK	2.44G	100.46	Inf	-Inf	3	Vertical	44	1.01	-
2440MHz	Pass	PK	2.4868G	56.82	74.00	-17.18	3	Vertical	44	1.01	-
2440MHz	Pass	AV	2.3476G	33.91	54.00	-20.09	3	Horizontal	210	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2440MHz	Pass	AV	2.44G	76.62	Inf	-Inf	3	Horizontal	210	1.50	-
2440MHz	Pass	AV	2.4952G	35.28	54.00	-18.72	3	Horizontal	210	1.50	-
2440MHz	Pass	PK	2.3476G	56.41	74.00	-17.59	3	Horizontal	210	1.50	-
2440MHz	Pass	PK	2.44G	99.12	Inf	-Inf	3	Horizontal	210	1.50	-
2440MHz	Pass	PK	2.4952G	57.78	74.00	-16.22	3	Horizontal	210	1.50	-
2440MHz	Pass	AV	4.87976G	32.17	54.00	-21.83	3	Vertical	61	1.24	-
2440MHz	Pass	PK	4.87976G	54.67	74.00	-19.33	3	Vertical	61	1.24	-
2440MHz	Pass	AV	4.87999G	33.14	54.00	-20.86	3	Horizontal	173	1.41	-
2440MHz	Pass	PK	4.87999G	55.64	74.00	-18.36	3	Horizontal	173	1.41	-
2480MHz	Pass	AV	2.48G	77.13	Inf	-Inf	3	Vertical	49	1.06	-
2480MHz	Pass	AV	2.4902G	34.61	54.00	-19.39	3	Vertical	49	1.06	-
2480MHz	Pass	PK	2.48G	99.63	Inf	-Inf	3	Vertical	49	1.06	-
2480MHz	Pass	PK	2.4902G	57.11	74.00	-16.89	3	Vertical	49	1.06	-
2480MHz	Pass	AV	2.48G	74.38	Inf	-Inf	3	Horizontal	184	1.69	-
2480MHz	Pass	AV	2.496G	35.48	54.00	-18.52	3	Horizontal	184	1.69	-
2480MHz	Pass	PK	2.48G	96.88	Inf	-Inf	3	Horizontal	184	1.69	-
2480MHz	Pass	PK	2.496G	57.98	74.00	-16.02	3	Horizontal	184	1.69	-
2480MHz	Pass	AV	4.96022G	31.89	54.00	-22.11	3	Vertical	69	1.79	-
2480MHz	Pass	PK	4.96022G	54.39	74.00	-19.61	3	Vertical	69	1.79	-
2480MHz	Pass	AV	4.96007G	34.48	54.00	-19.52	3	Horizontal	172	1.15	-
2480MHz	Pass	PK	4.96007G	56.98	74.00	-17.02	3	Horizontal	172	1.15	-

BT-BR(1Mbps)

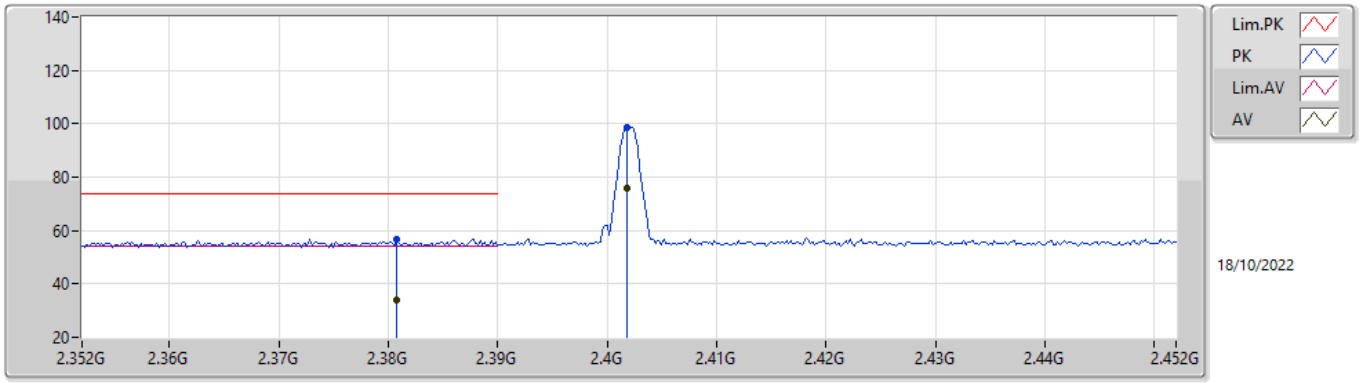
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3802G	34.20	54.00	-19.80	31.53	3	Vertical	49	1.81	-	2.67	27.38	4.15	-
AV	2.4018G	76.61	Inf	-Inf	31.67	3	Vertical	49	1.81	-	44.94	27.50	4.17	-
PK	2.3802G	56.70	74.00	-17.30	31.53	3	Vertical	49	1.81	-	25.17	27.38	4.15	-
PK	2.4018G	99.11	Inf	-Inf	31.67	3	Vertical	49	1.81	-	67.44	27.50	4.17	-

BT-BR(1Mbps)

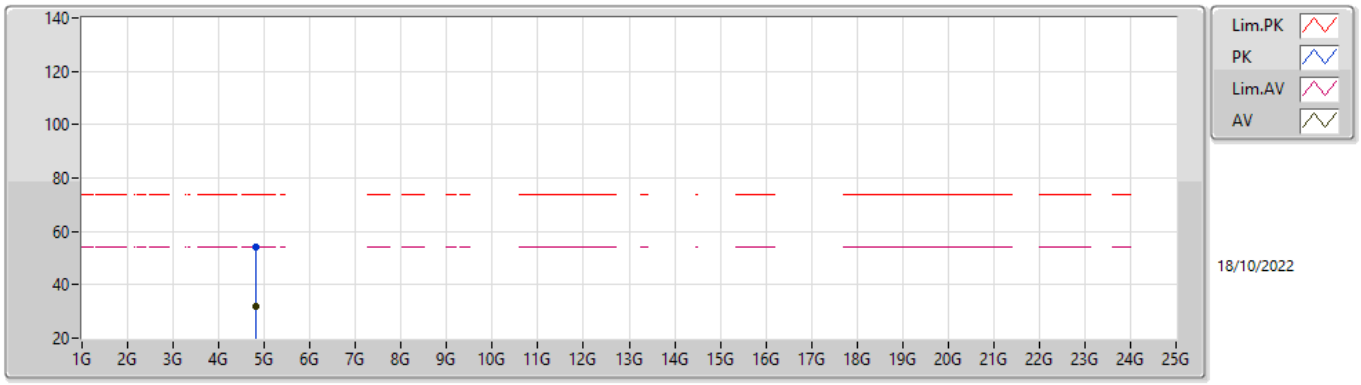
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3808G	34.18	54.00	-19.82	31.53	3	Horizontal	211	1.05	-	2.65	27.38	4.15	-
AV	2.4018G	75.93	Inf	-Inf	31.67	3	Horizontal	211	1.05	-	44.26	27.50	4.17	-
PK	2.3808G	56.68	74.00	-17.32	31.53	3	Horizontal	211	1.05	-	25.15	27.38	4.15	-
PK	2.4018G	98.43	Inf	-Inf	31.67	3	Horizontal	211	1.05	-	66.76	27.50	4.17	-

BT-BR(1Mbps)

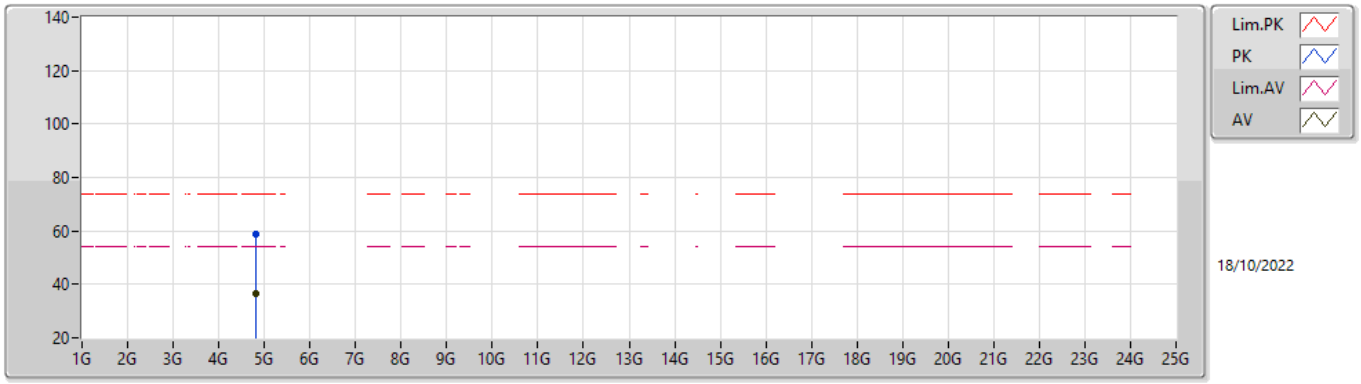
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80422G	31.71	54.00	-22.29	3.34	3	Vertical	60	1.64	-	28.37	32.33	5.67	34.66
PK	4.80422G	54.21	74.00	-19.79	3.34	3	Vertical	60	1.64	-	50.87	32.33	5.67	34.66

BT-BR(1Mbps)

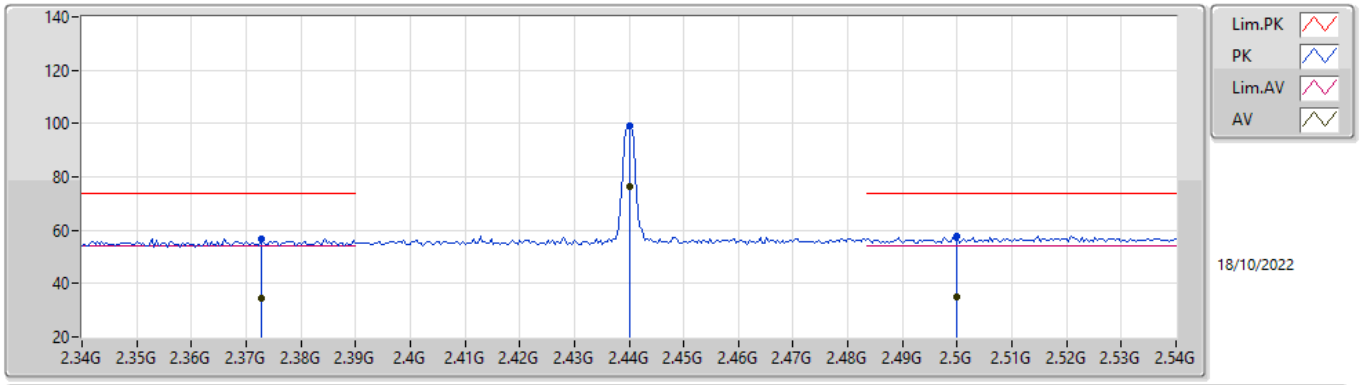
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80369G	36.33	54.00	-17.67	3.33	3	Horizontal	154	1.00	-	33.00	32.32	5.67	34.66
PK	4.80369G	58.83	74.00	-15.17	3.33	3	Horizontal	154	1.00	-	55.50	32.32	5.67	34.66

BT-BR(1Mbps)

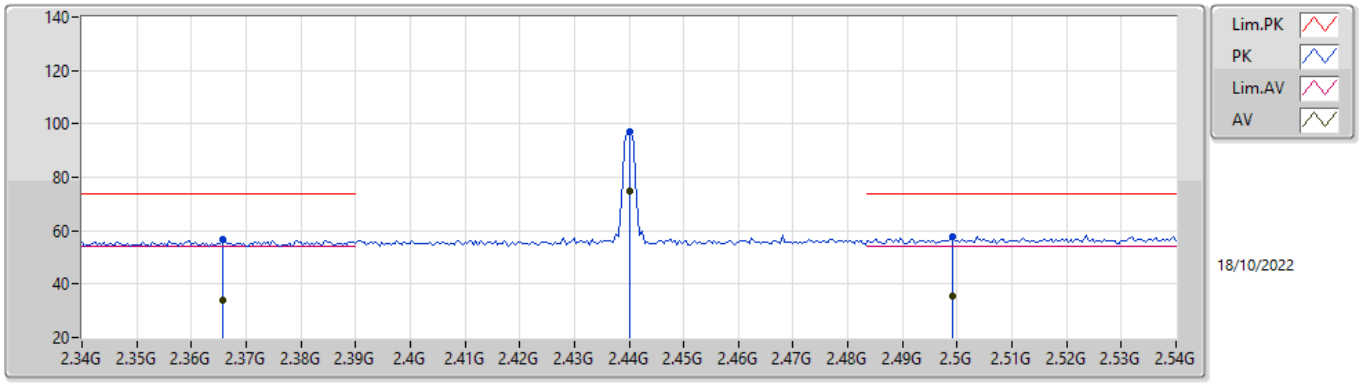
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3728G	34.35	54.00	-19.65	31.48	3	Vertical	43	1.02	-	2.87	27.34	4.14	-
AV	2.44G	76.46	Inf	-Inf	31.77	3	Vertical	43	1.02	-	44.69	27.58	4.19	-
AV	2.5G	35.12	54.00	-18.88	32.13	3	Vertical	43	1.02	-	2.99	27.90	4.23	-
PK	2.3728G	56.85	74.00	-17.15	31.48	3	Vertical	43	1.02	-	25.37	27.34	4.14	-
PK	2.44G	98.96	Inf	-Inf	31.77	3	Vertical	43	1.02	-	67.19	27.58	4.19	-
PK	2.5G	57.62	74.00	-16.38	32.13	3	Vertical	43	1.02	-	25.49	27.90	4.23	-

BT-BR(1Mbps)

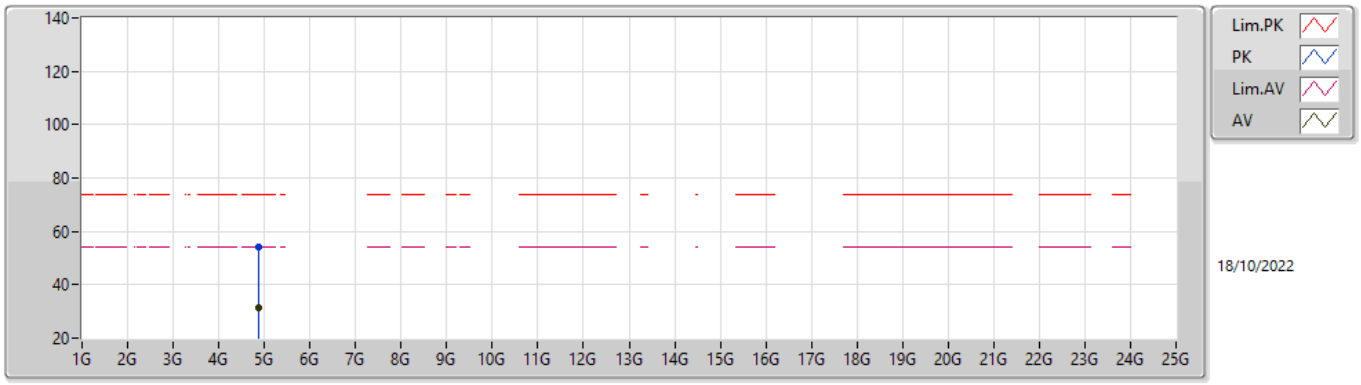
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3656G	33.98	54.00	-20.02	31.43	3	Horizontal	210	1.50	-	2.55	27.29	4.14	-
AV	2.44G	74.72	Inf	-Inf	31.77	3	Horizontal	210	1.50	-	42.95	27.58	4.19	-
AV	2.4992G	35.29	54.00	-18.71	32.13	3	Horizontal	210	1.50	-	3.16	27.90	4.23	-
PK	2.3656G	56.48	74.00	-17.52	31.43	3	Horizontal	210	1.50	-	25.05	27.29	4.14	-
PK	2.44G	97.22	Inf	-Inf	31.77	3	Horizontal	210	1.50	-	65.45	27.58	4.19	-
PK	2.4992G	57.79	74.00	-16.21	32.13	3	Horizontal	210	1.50	-	25.66	27.90	4.23	-

BT-BR(1Mbps)

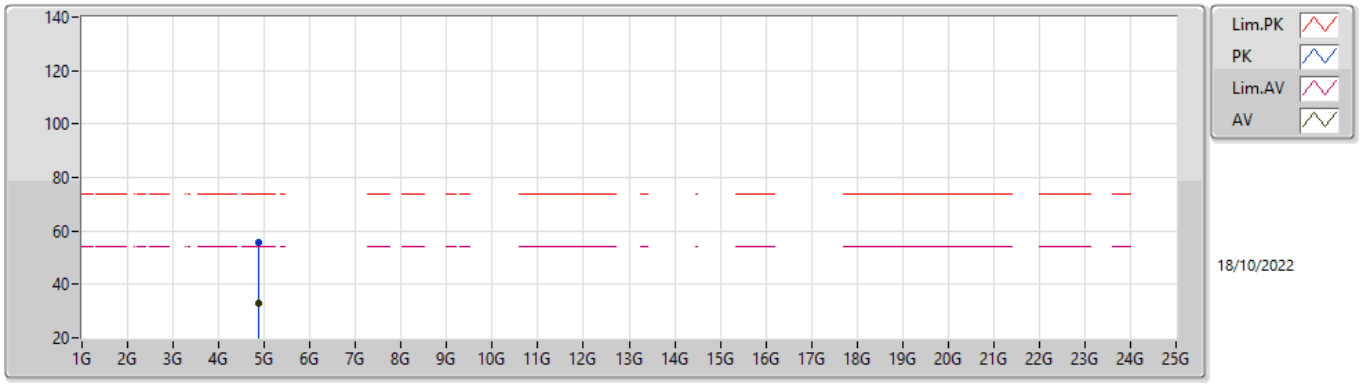
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87964G	31.41	54.00	-22.59	3.79	3	Vertical	62	1.60	-	27.62	32.72	5.72	34.65
PK	4.87964G	53.91	74.00	-20.09	3.79	3	Vertical	62	1.60	-	50.12	32.72	5.72	34.65

BT-BR(1Mbps)

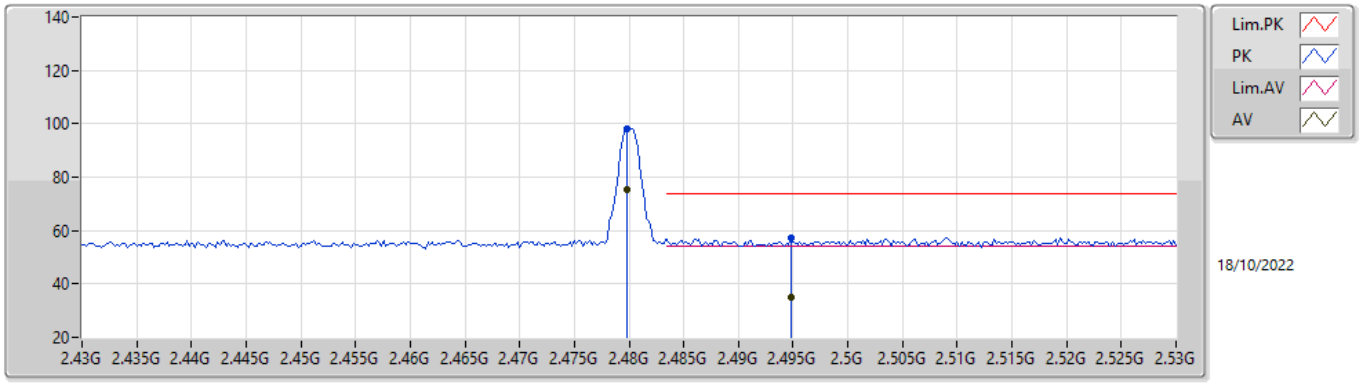
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87981G	33.01	54.00	-20.99	3.79	3	Horizontal	171	1.76	-	29.22	32.72	5.72	34.65
PK	4.87981G	55.51	74.00	-18.49	3.79	3	Horizontal	171	1.76	-	51.72	32.72	5.72	34.65

BT-BR(1Mbps)

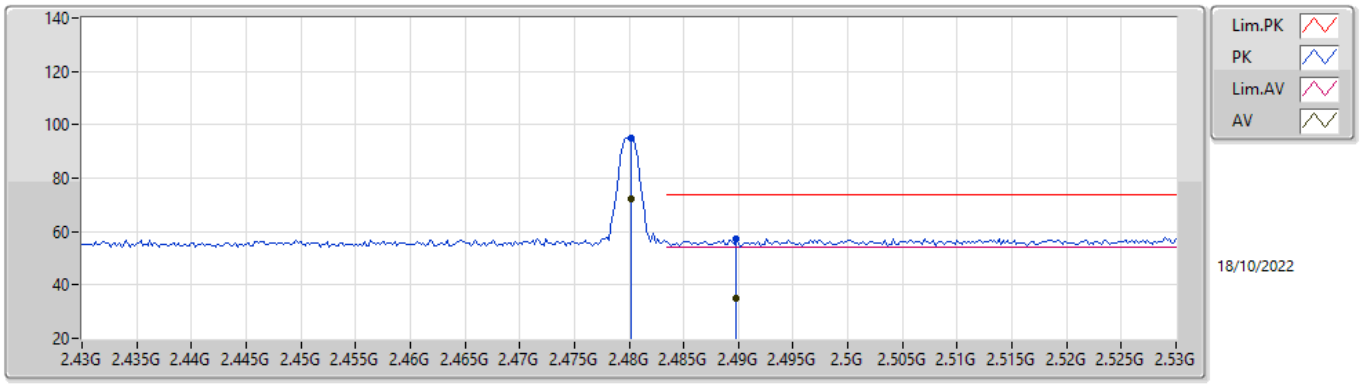
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4798G	75.36	Inf	-Inf	32.00	3	Vertical	49	1.07	-	43.36	27.78	4.22	-
AV	2.4948G	34.92	54.00	-19.08	32.10	3	Vertical	49	1.07	-	2.82	27.87	4.23	-
PK	2.4798G	97.86	Inf	-Inf	32.00	3	Vertical	49	1.07	-	65.86	27.78	4.22	-
PK	2.4948G	57.42	74.00	-16.58	32.10	3	Vertical	49	1.07	-	25.32	27.87	4.23	-

BT-BR(1Mbps)

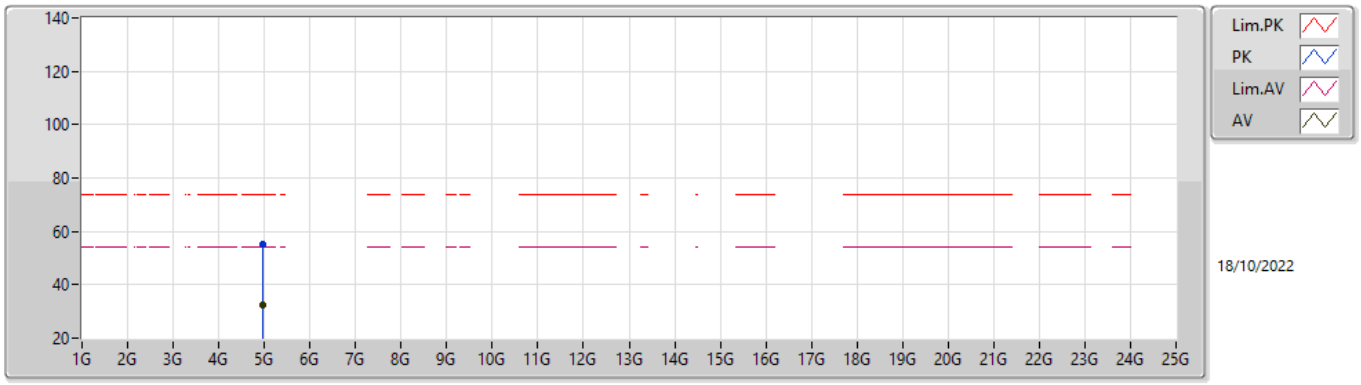
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4802G	72.45	Inf	-Inf	32.00	3	Horizontal	186	1.18	-	40.45	27.78	4.22	-
AV	2.4898G	34.88	54.00	-19.12	32.06	3	Horizontal	186	1.18	-	2.82	27.84	4.22	-
PK	2.4802G	94.95	Inf	-Inf	32.00	3	Horizontal	186	1.18	-	62.95	27.78	4.22	-
PK	2.4898G	57.38	74.00	-16.62	32.06	3	Horizontal	186	1.18	-	25.32	27.84	4.22	-

BT-BR(1Mbps)

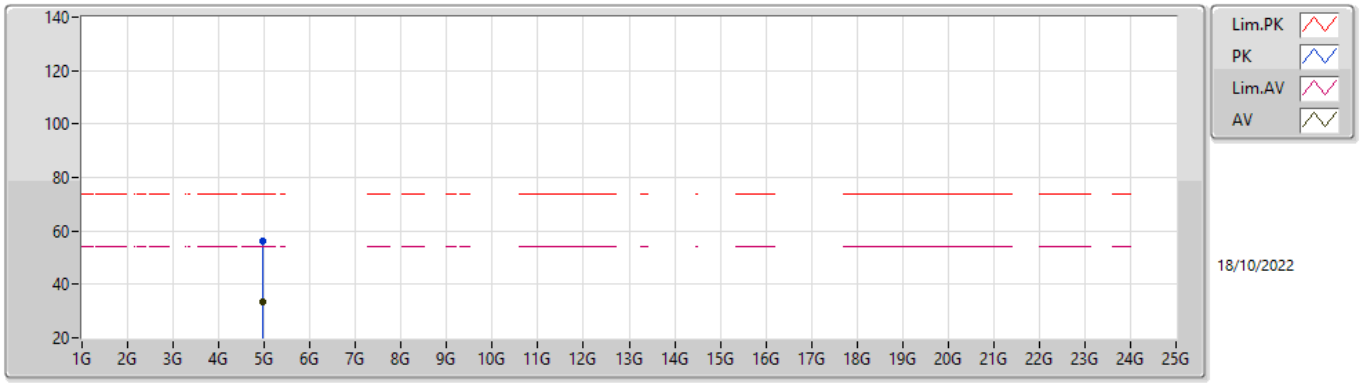
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96026G	32.65	54.00	-21.35	4.15	3	Vertical	68	2.18	-	28.50	33.02	5.77	34.64
PK	4.96026G	55.15	74.00	-18.85	4.15	3	Vertical	68	2.18	-	51.00	33.02	5.77	34.64

BT-BR(1Mbps)

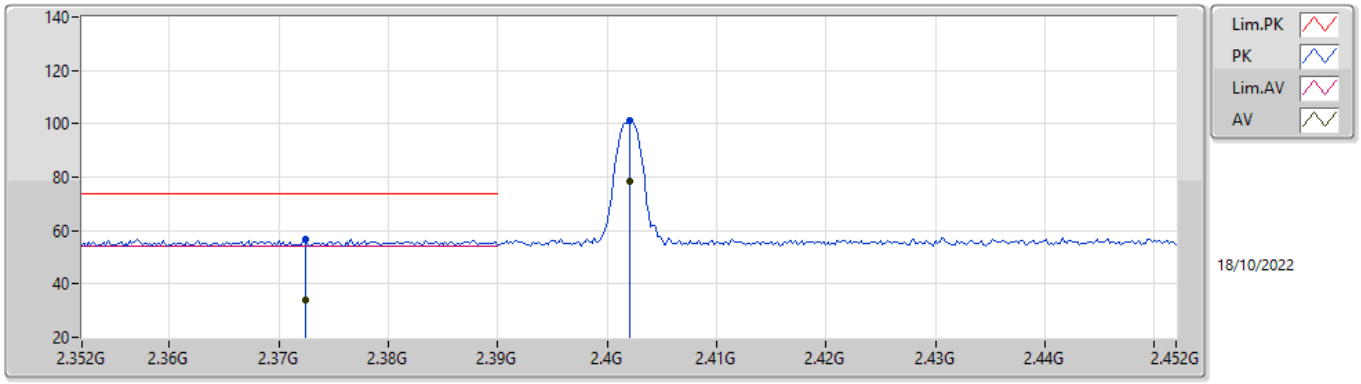
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95967G	33.48	54.00	-20.52	4.15	3	Horizontal	172	1.50	-	29.33	33.02	5.77	34.64
PK	4.95967G	55.98	74.00	-18.02	4.15	3	Horizontal	172	1.50	-	51.83	33.02	5.77	34.64

BT-EDR(3Mbps)

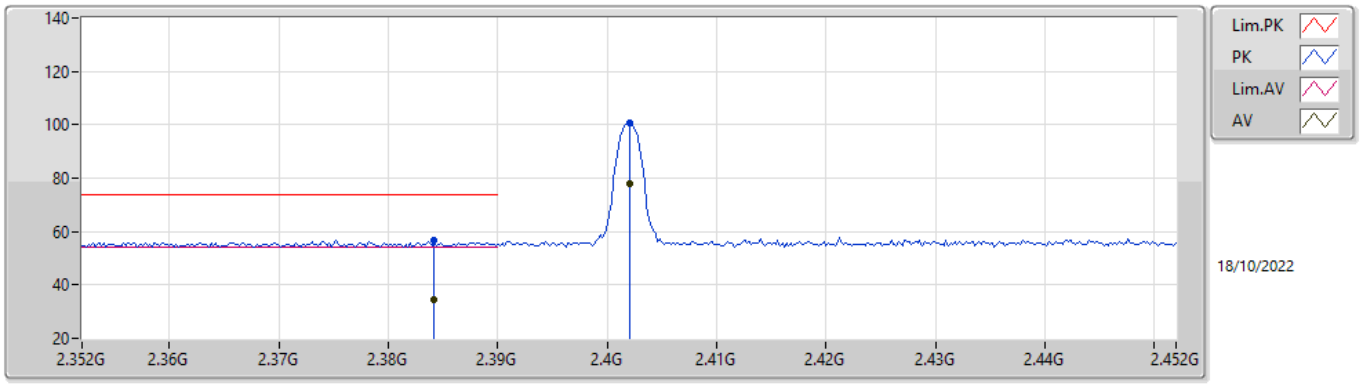
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3724G	34.17	54.00	-19.83	31.47	3	Vertical	42	1.11	-	2.70	27.33	4.14	-
AV	2.402G	78.63	Inf	-Inf	31.67	3	Vertical	42	1.11	-	46.96	27.50	4.17	-
PK	2.3724G	56.67	74.00	-17.33	31.47	3	Vertical	42	1.11	-	25.20	27.33	4.14	-
PK	2.402G	101.13	Inf	-Inf	31.67	3	Vertical	42	1.11	-	69.46	27.50	4.17	-

BT-EDR(3Mbps)

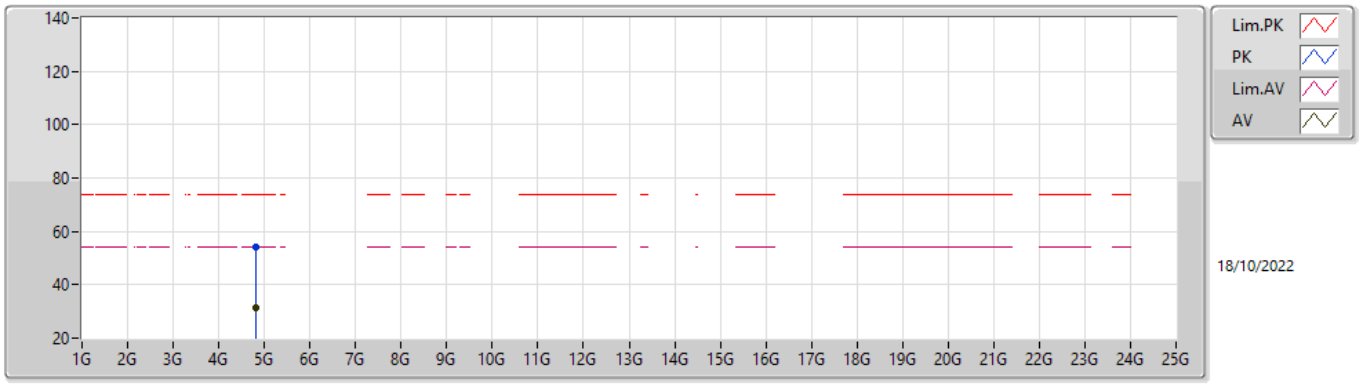
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3842G	34.29	54.00	-19.71	31.56	3	Horizontal	211	1.06	-	2.73	27.41	4.15	-
AV	2.402G	77.94	Inf	-Inf	31.67	3	Horizontal	211	1.06	-	46.27	27.50	4.17	-
PK	2.3842G	56.79	74.00	-17.21	31.56	3	Horizontal	211	1.06	-	25.23	27.41	4.15	-
PK	2.402G	100.44	Inf	-Inf	31.67	3	Horizontal	211	1.06	-	68.77	27.50	4.17	-

BT-EDR(3Mbps)

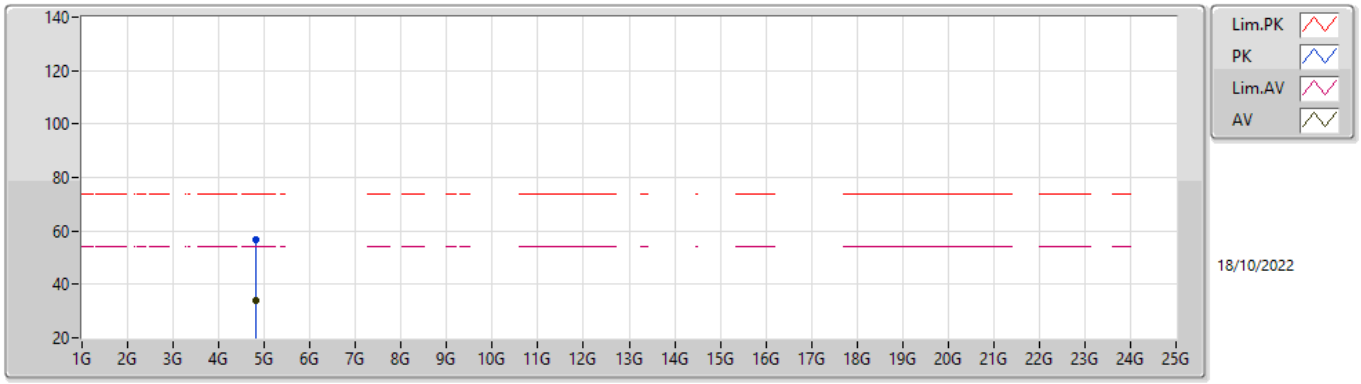
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80369G	31.53	54.00	-22.47	3.33	3	Vertical	60	1.28	-	28.20	32.32	5.67	34.66
PK	4.80369G	54.03	74.00	-19.97	3.33	3	Vertical	60	1.28	-	50.70	32.32	5.67	34.66

BT-EDR(3Mbps)

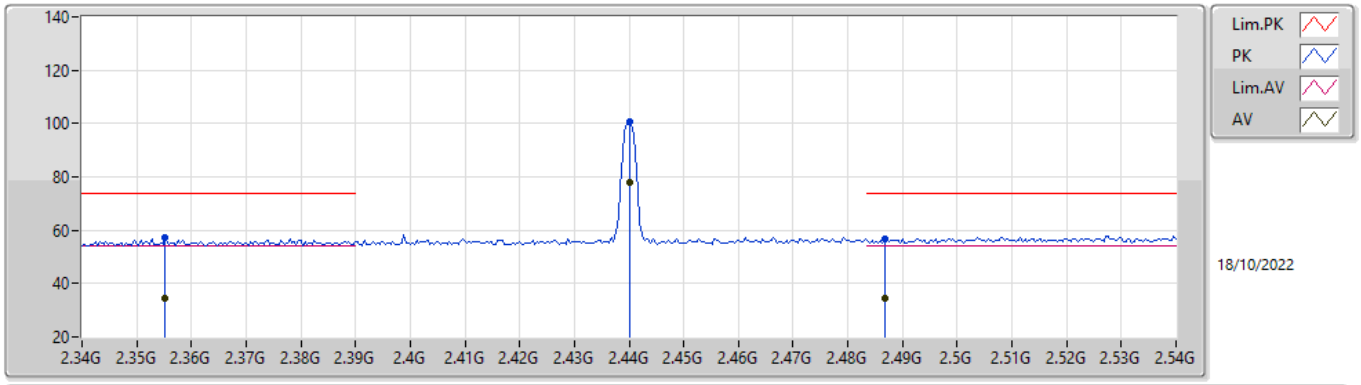
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80393G	34.06	54.00	-19.94	3.33	3	Horizontal	173	1.70	-	30.73	32.32	5.67	34.66
PK	4.80393G	56.56	74.00	-17.44	3.33	3	Horizontal	173	1.70	-	53.23	32.32	5.67	34.66

BT-EDR(3Mbps)

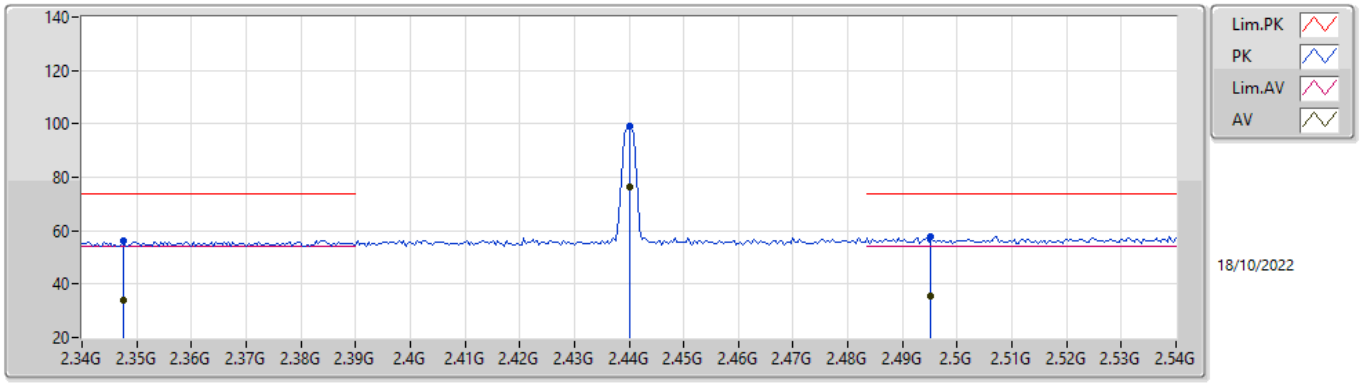
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3552G	34.58	54.00	-19.42	31.36	3	Vertical	44	1.01	-	3.22	27.23	4.13	-
AV	2.44G	77.96	Inf	-Inf	31.77	3	Vertical	44	1.01	-	46.19	27.58	4.19	-
AV	2.4868G	34.32	54.00	-19.68	32.04	3	Vertical	44	1.01	-	2.28	27.82	4.22	-
PK	2.3552G	57.08	74.00	-16.92	31.36	3	Vertical	44	1.01	-	25.72	27.23	4.13	-
PK	2.44G	100.46	Inf	-Inf	31.77	3	Vertical	44	1.01	-	68.69	27.58	4.19	-
PK	2.4868G	56.82	74.00	-17.18	32.04	3	Vertical	44	1.01	-	24.78	27.82	4.22	-

BT-EDR(3Mbps)

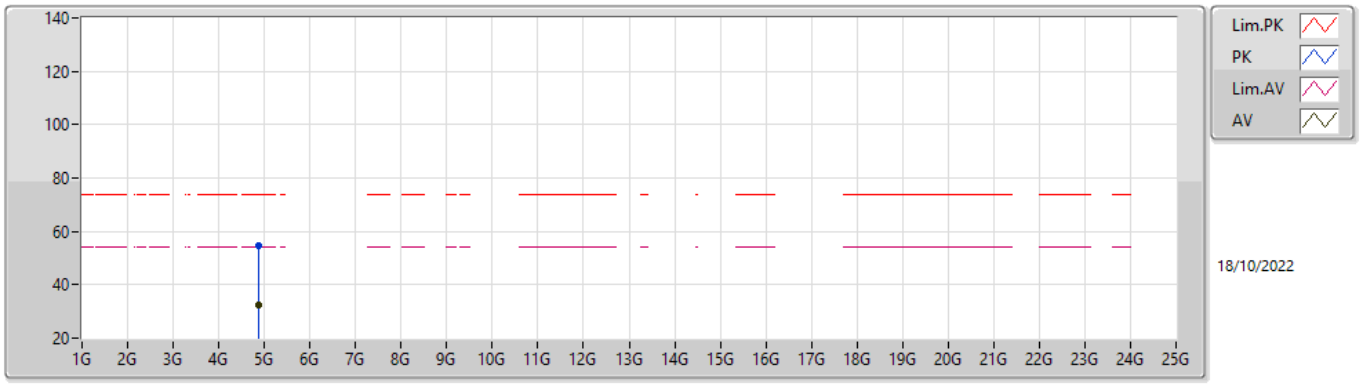
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3476G	33.91	54.00	-20.09	31.31	3	Horizontal	210	1.50	-	2.60	27.19	4.12	-
AV	2.44G	76.62	Inf	-Inf	31.77	3	Horizontal	210	1.50	-	44.85	27.58	4.19	-
AV	2.4952G	35.28	54.00	-18.72	32.10	3	Horizontal	210	1.50	-	3.18	27.87	4.23	-
PK	2.3476G	56.41	74.00	-17.59	31.31	3	Horizontal	210	1.50	-	25.10	27.19	4.12	-
PK	2.44G	99.12	Inf	-Inf	31.77	3	Horizontal	210	1.50	-	67.35	27.58	4.19	-
PK	2.4952G	57.78	74.00	-16.22	32.10	3	Horizontal	210	1.50	-	25.68	27.87	4.23	-

BT-EDR(3Mbps)

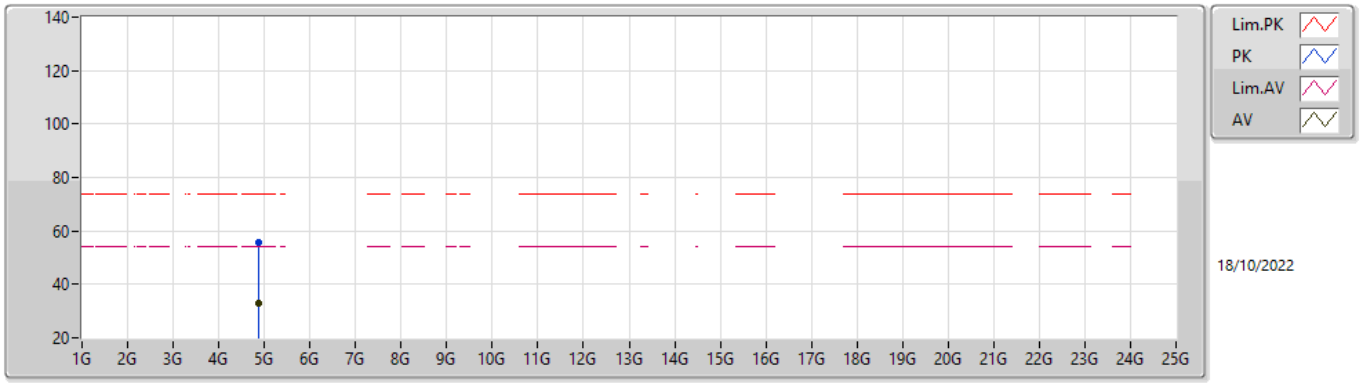
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87976G	32.17	54.00	-21.83	3.79	3	Vertical	61	1.24	-	28.38	32.72	5.72	34.65
PK	4.87976G	54.67	74.00	-19.33	3.79	3	Vertical	61	1.24	-	50.88	32.72	5.72	34.65

BT-EDR(3Mbps)

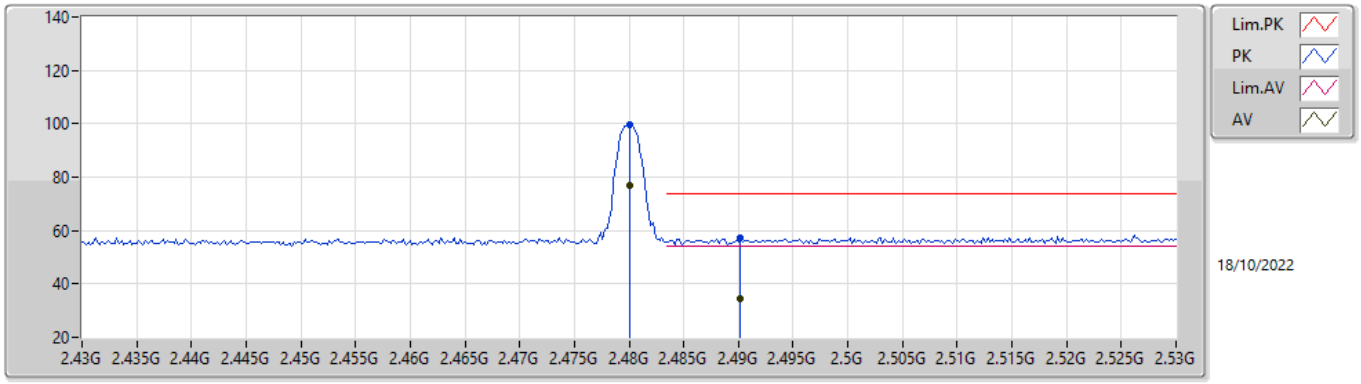
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87999G	33.14	54.00	-20.86	3.79	3	Horizontal	173	1.41	-	29.35	32.72	5.72	34.65
PK	4.87999G	55.64	74.00	-18.36	3.79	3	Horizontal	173	1.41	-	51.85	32.72	5.72	34.65

BT-EDR(3Mbps)

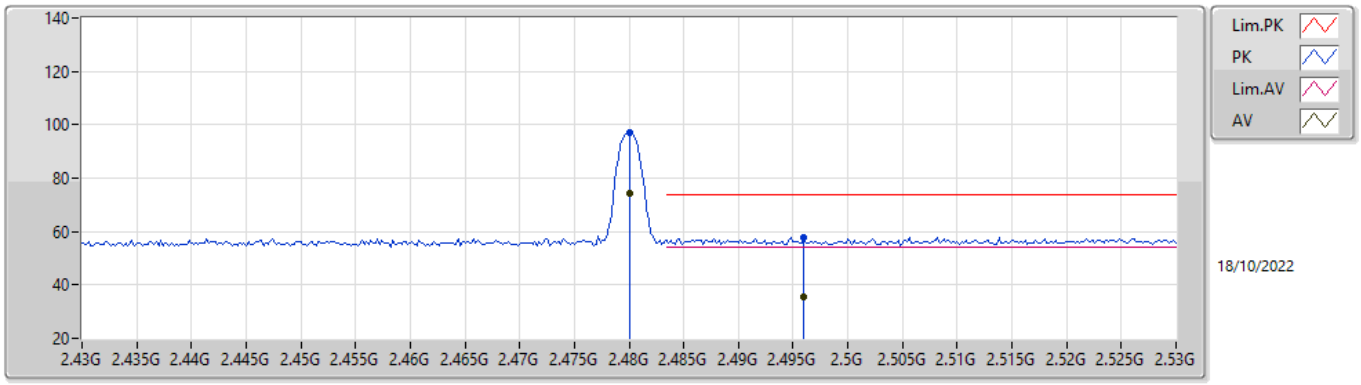
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	77.13	Inf	-Inf	32.00	3	Vertical	49	1.06	-	45.13	27.78	4.22	-
AV	2.4902G	34.61	54.00	-19.39	32.06	3	Vertical	49	1.06	-	2.55	27.84	4.22	-
PK	2.48G	99.63	Inf	-Inf	32.00	3	Vertical	49	1.06	-	67.63	27.78	4.22	-
PK	2.4902G	57.11	74.00	-16.89	32.06	3	Vertical	49	1.06	-	25.05	27.84	4.22	-

BT-EDR(3Mbps)

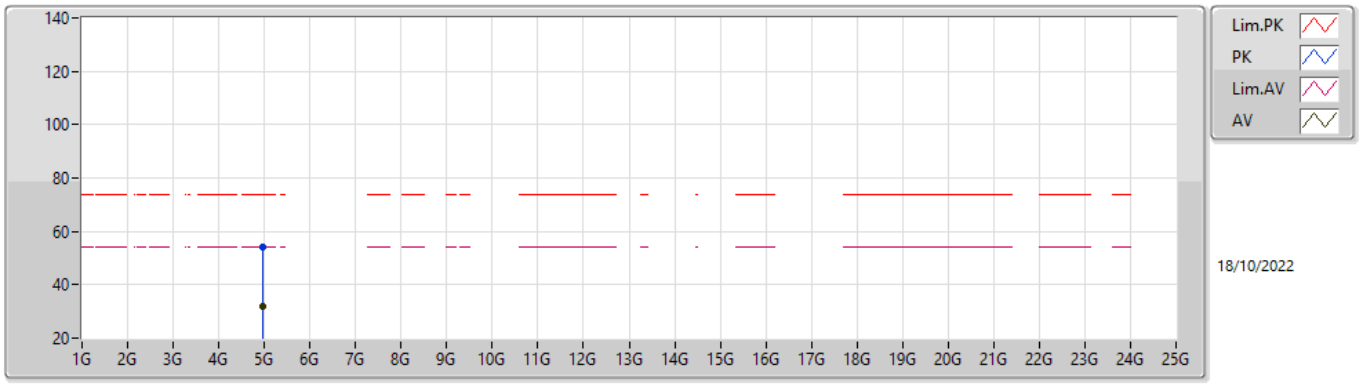
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	74.38	Inf	-Inf	32.00	3	Horizontal	184	1.69	-	42.38	27.78	4.22	-
AV	2.496G	35.48	54.00	-18.52	32.11	3	Horizontal	184	1.69	-	3.37	27.88	4.23	-
PK	2.48G	96.88	Inf	-Inf	32.00	3	Horizontal	184	1.69	-	64.88	27.78	4.22	-
PK	2.496G	57.98	74.00	-16.02	32.11	3	Horizontal	184	1.69	-	25.87	27.88	4.23	-

BT-EDR(3Mbps)

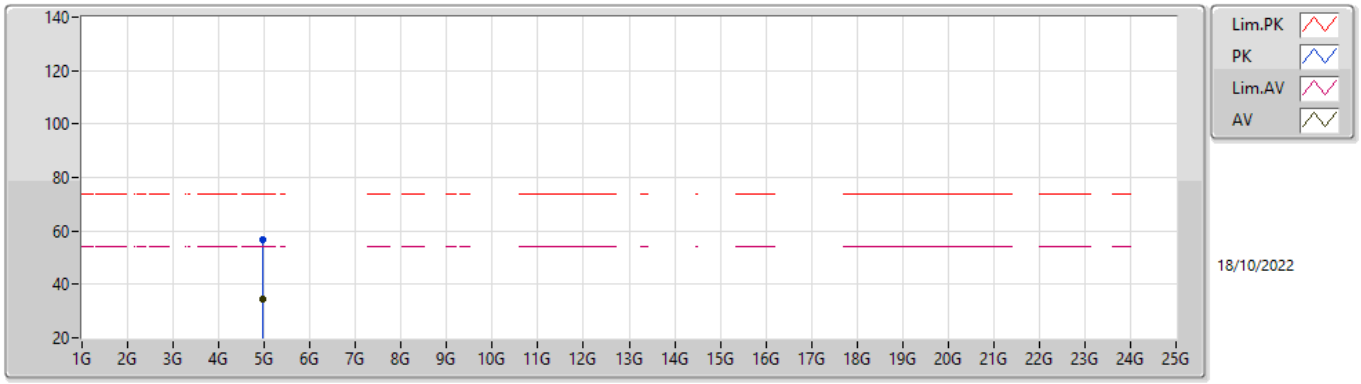
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96022G	31.89	54.00	-22.11	4.15	3	Vertical	69	1.79	-	27.74	33.02	5.77	34.64
PK	4.96022G	54.39	74.00	-19.61	4.15	3	Vertical	69	1.79	-	50.24	33.02	5.77	34.64

BT-EDR(3Mbps)

2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96007G	34.48	54.00	-19.52	4.15	3	Horizontal	172	1.15	-	30.33	33.02	5.77	34.64
PK	4.96007G	56.98	74.00	-17.02	4.15	3	Horizontal	172	1.15	-	52.83	33.02	5.77	34.64