RADIO TEST REPORT

FCC ID	:	2AV57GS1LTE1
Equipment	:	Video Telematics Sensor
Brand Name	:	Geotab Inc.
Model Name	:	GS1-LTE1
Applicant	:	Geotab Inc. 2440 Winston Park Drive, Oakville, Ontario, L6H 7V2, Canada
Manufacturer	:	Geotab Inc. 2440 Winston Park Drive, Oakville, Ontario, L6H 7V2, Canada
Standard	:	47 CFR FCC Part 15.247

The product was received on Jan. 29, 2024, and testing was started from Feb. 22, 2024 and completed on Jun. 27, 2024. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR411919-01AB	01	Initial issue of report	Aug. 01, 2024

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	N/A	Note 1
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 Band edge	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	-
Note 1: The EUT was supplied power by DC-Powered (vehicle battery); it's not necessary to apply to AC Power-line Conducted Emissions test. Note 2: Reference to Sporton Project No.: 411919				

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 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.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	WNC	UCD-LI80	Monopole	N/A	2.55

Note 1: The WLAN 2.4GHz and Bluetooth cannot function at the same time.
Note 2: The above information was declared by manufacturer.
Note 3: **For 2.4GHz function:**
For IEEE 802.11 b/g/n (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.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-BR(1Mbps)	0.104	9.83	391.875u	3k
BT-EDR(2Mbps)	0.076	11.19	283.594u	10k
BT-EDR(3Mbps)	0.064	11.94	241.875u	10k

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From host vehicle (12/24V)
EUT Power Type for Testing	From DC power supply (24V)
Test Software Version	DOS V6.1.7601

1.1.5 Table of WWAN Module Function

Brand Name	Model Name	Function
Quectel	EG91-NAXD	LTE Band: 2 / 4 / 5 / 12 / 13 / 25 / 26

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

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

- 47 CFR FCC Part 15.247

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Mason Chan	20.6~22 / 66~71	Feb. 26, 2024~ Mar. 07, 2024
Radiated < 1GHz	03CH05-CB	Young Yang	21.6-~22.7 / 55~58	Jun. 27, 2024
Radiated > 1GHz	03CH04-CB		22.7~23.8 / 56~59	Feb. 22, 2024~ Mar. 05, 2024

Note: The tested sample of the Radiated below 1GHz test item was received on Jun. 27, 2024.

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

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

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

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
	"EUT in X axis" generated the worst case at Radiated measurement > 1GHz. Consequently, the measurement will follow this same test mode.
1	EUT in X axis_Bluetooth
2	EUT in X axis_WLAN 2.4GHz
For operating, mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	After evaluating, EUT in X axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in X axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WWAN + WLAN 2.4GHz
2	WWAN + Bluetooth
Refer to Sporton Test Report No.: FA411919-01 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

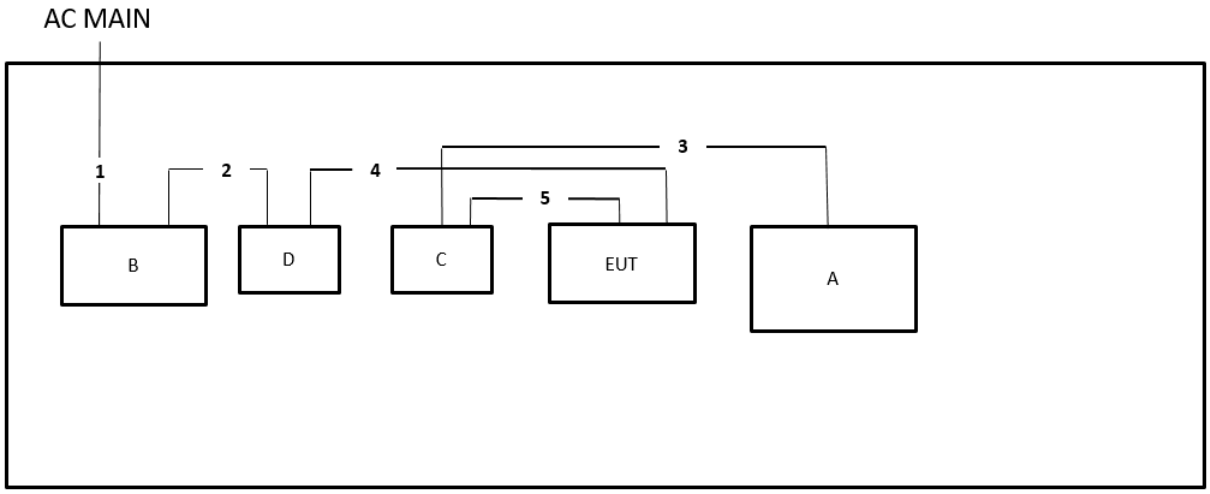
N/A

2.5 Support Equipment

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	DC Power Supply	MOTECH	LPS-305	N/A
C	Fixture	WNC	E24447	N/A
D	Power fixture	SHIG YANG	USB-02	N/A

2.6 Test Setup Diagram

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	Crocodile clip cable	No	1.5m
3	USB to Micro cable	Yes	1.5m
4	Power cable	Yes	1.5m
5	Console cable	No	0.5m

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
▪ 902-928 MHz Band:
▪ N ≥50 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth≤ 250 kHz.
▪ 50 >N≥25 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth>250 kHz.
▪ 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).
▪ 5725-5850 MHz Band:
▪ N ≥ 75 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth≤ 1 MHz.
N:Number of Hopping Frequencies; **ChS**: Hopping Channel Separation

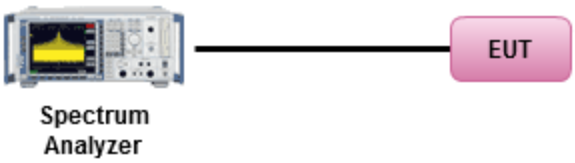
3.1.2 Measuring Instruments

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 6.9.1 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
▪ 902-928 MHz Band:
▪ N ≥50; Power 30dBm; EIRP 36dBm
▪ 50 >N≥ 25; Power 23.98dBm; EIRP 29.98dBm
▪ 2400-2483.5 MHz Band:
▪ N ≥ 75; Power 30dBm; EIRP 36dBm
▪ 75 >N ≥ 15; Power 21dBm; EIRP 27dBm
▪ 5725-5850 MHz Band:
▪ N ≥ 75; Power 30dBm; EIRP 36dBm
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
▪ 902-928 MHz Band:
▪ N ≥50 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth≤ 250 kHz.
▪ 50 >N≥ 25 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth>250 kHz.
▪ 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).
▪ 5725-5850 MHz Band:
▪ N ≥ 75 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth≤ 1 MHz.
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

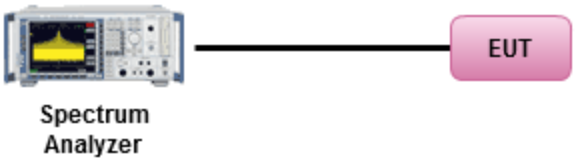
3.3.3 Measuring Instruments

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

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

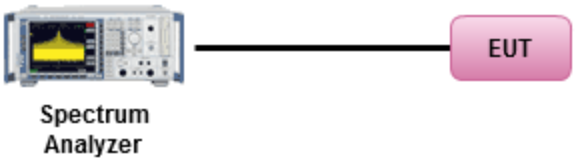
3.4.2 Measuring Instruments

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 (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.	

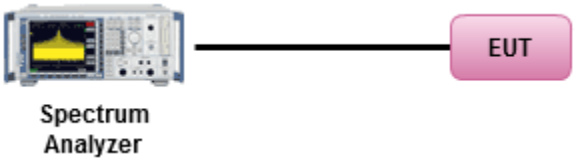
3.5.2 Measuring Instruments

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.

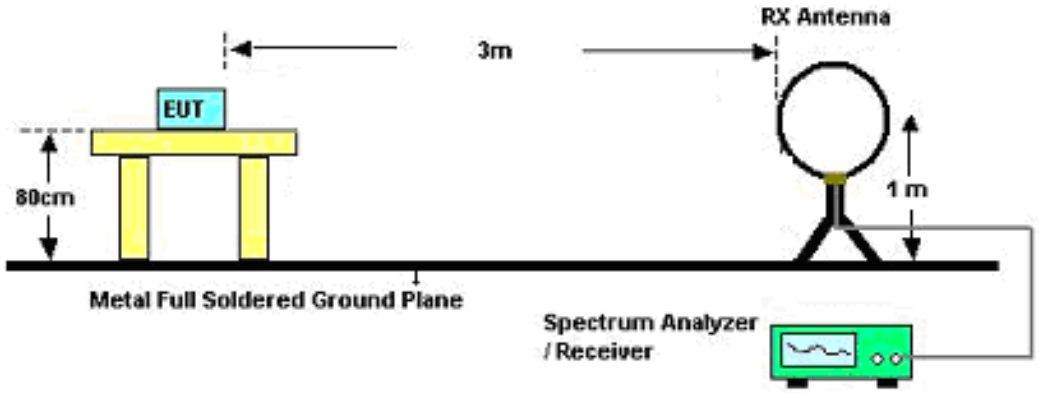
3.6.3 Test Procedures

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.

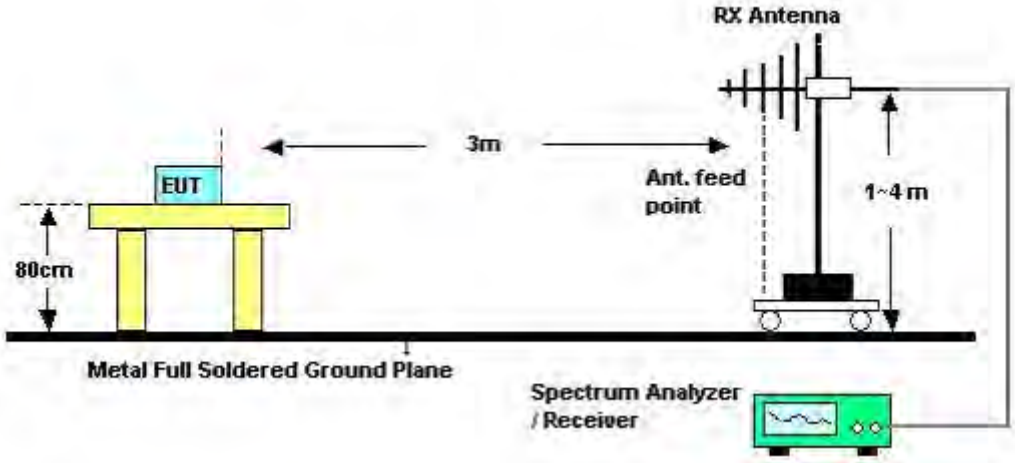
3.6.4 Test Setup

Emissions in Restricted Frequency Bands

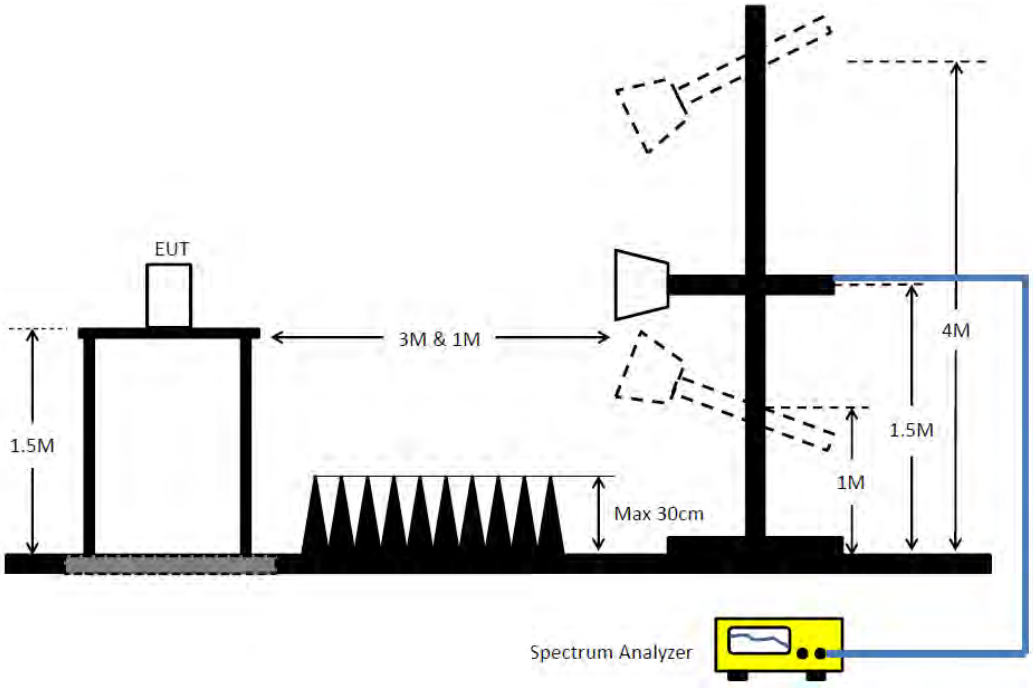
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

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

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 13, 2023	Oct. 12, 2024	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. 23, 2024	Mar. 22, 2025	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 02, 2024	May 01, 2025	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 17, 2024	Apr. 16, 2025	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 20, 2023	Oct. 19, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Dec. 06, 2023	Dec. 05, 2024	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. 24, 2022	Feb. 23, 2023	Radiation (03CH04-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	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 28, 2022	Mar. 27, 2023	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 ~ 40GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 14, 2023	Aug. 13, 2024	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 19, 2023	Oct. 18, 2024	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 19, 2023	Oct. 18, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1GHz – 18GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1GHz – 18GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1GHz – 18GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1GHz – 18GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz – 18GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1–26.5GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

NCR means Non-Calibration required.

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)	1.02M	943.822k	944KF1D	1.02M	943.822k
BT-BR(1Mbps)	1.02M	944.108k	944KF1D	1.02M	944.108k
BT-BR(1Mbps)	1.02M	940.917k	941KF1D	1.02M	940.917k
BT-EDR(2Mbps)	1.32M	1.238M	1M24G1D	1.32M	1.238M
BT-EDR(2Mbps)	1.345M	1.225M	1M23G1D	1.345M	1.225M
BT-EDR(2Mbps)	1.312M	1.223M	1M22G1D	1.312M	1.223M
BT-EDR(3Mbps)	1.287M	1.187M	1M19G1D	1.287M	1.187M
BT-EDR(3Mbps)	1.29M	1.197M	1M20G1D	1.29M	1.197M
BT-EDR(3Mbps)	1.29M	1.16M	1M16G1D	1.29M	1.16M

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

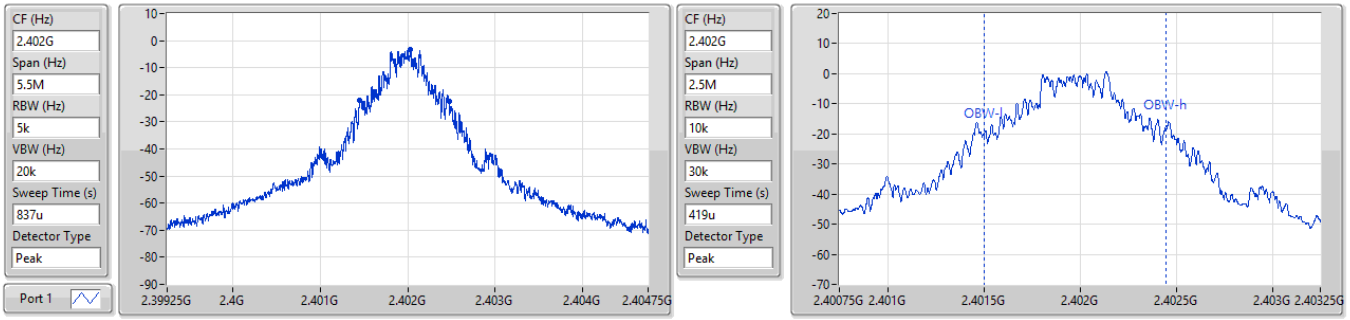
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.02M	943.822k
2440MHz	Pass	Inf	1.02M	944.108k
2480MHz	Pass	Inf	1.02M	940.917k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.32M	1.238M
2440MHz	Pass	Inf	1.345M	1.225M
2480MHz	Pass	Inf	1.312M	1.223M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.287M	1.187M
2440MHz	Pass	Inf	1.29M	1.197M
2480MHz	Pass	Inf	1.29M	1.16M

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

26/02/2024

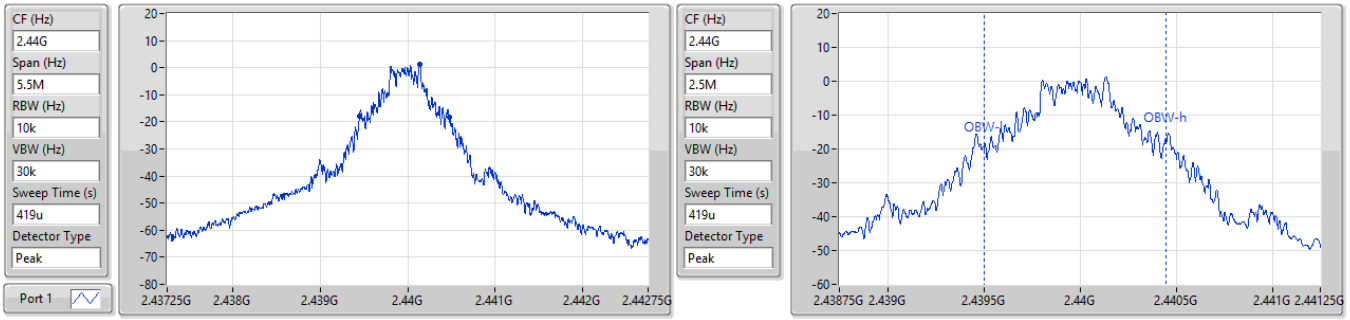


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.02M	2.401456G	2.402476G	943.822k	2.401505G	2.402449G	Inf	1

2.4-2.4835GHz_BT-BR(1Mbps) **EBW-FS**

2440MHz

26/02/2024

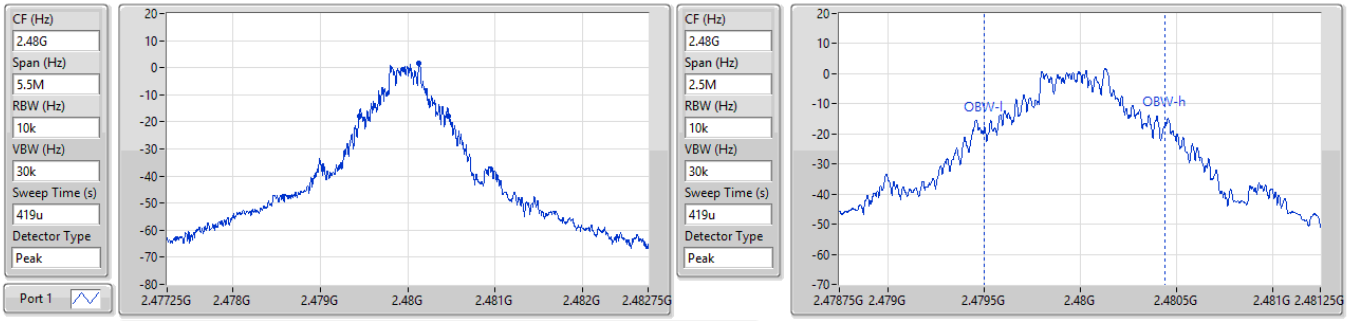


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.02M	2.439453G	2.440473G	944.108k	2.439503G	2.440447G	Inf	1

2.4-2.4835GHz_BT-BR(1Mbps) **EBW-FS**

2480MHz

26/02/2024

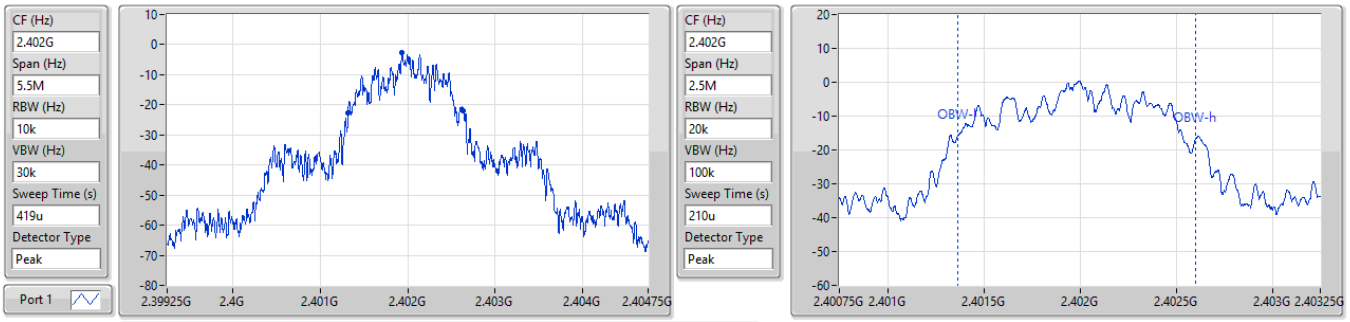


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.02M	2.47945G	2.48047G	940.917k	2.479503G	2.480444G	Inf	1

2.4-2.4835GHz_BT-EDR(2Mbps) **EBW-FS**

2402MHz

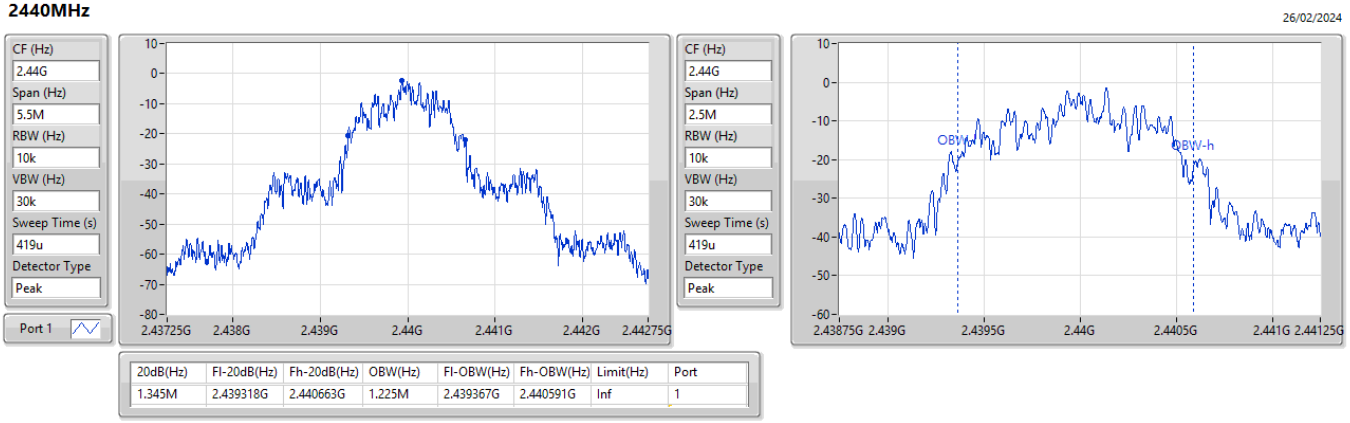
26/02/2024



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.32M	2.401318G	2.402638G	1.238M	2.401366G	2.402604G	Inf	1

2.4-2.4835GHz_BT-EDR(2Mbps) **EBW-FS**

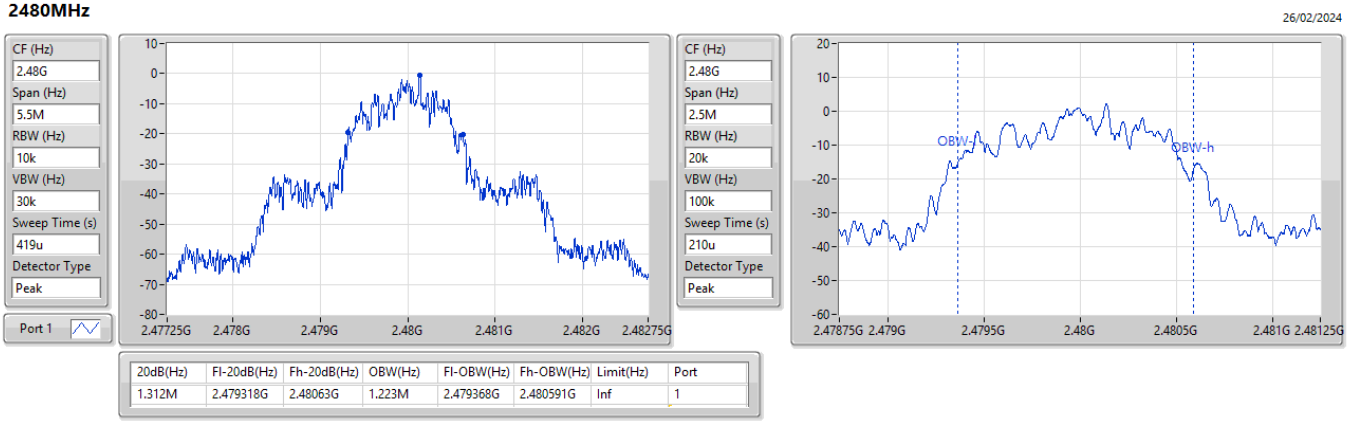
2440MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.345M	2.439318G	2.440663G	1.225M	2.439367G	2.440591G	Inf	1

2.4-2.4835GHz_BT-EDR(2Mbps) **EBW-FS**

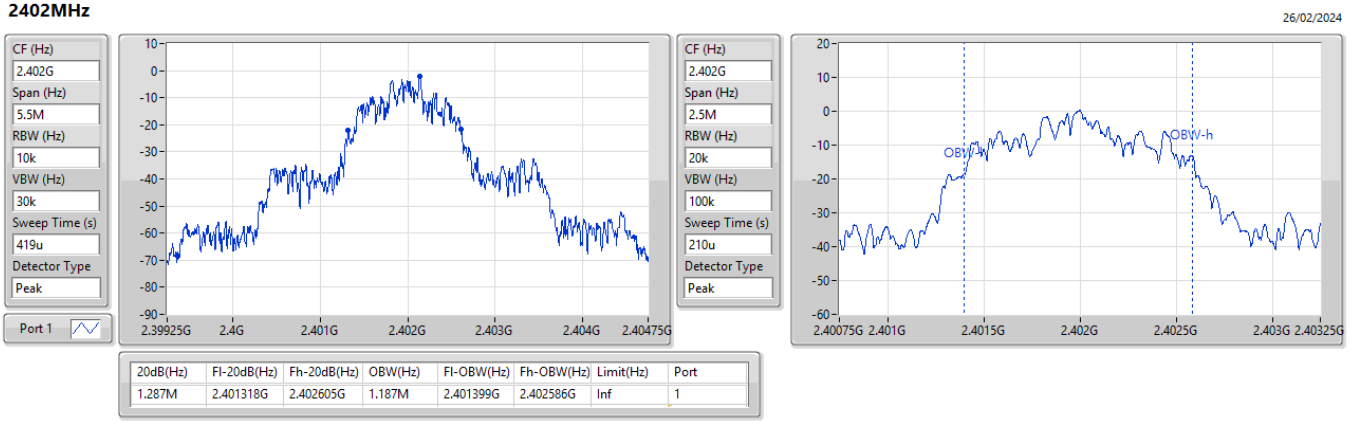
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.312M	2.479318G	2.48063G	1.223M	2.479368G	2.480591G	Inf	1

2.4-2.4835GHz_BT-EDR(3Mbps) **EBW-FS**

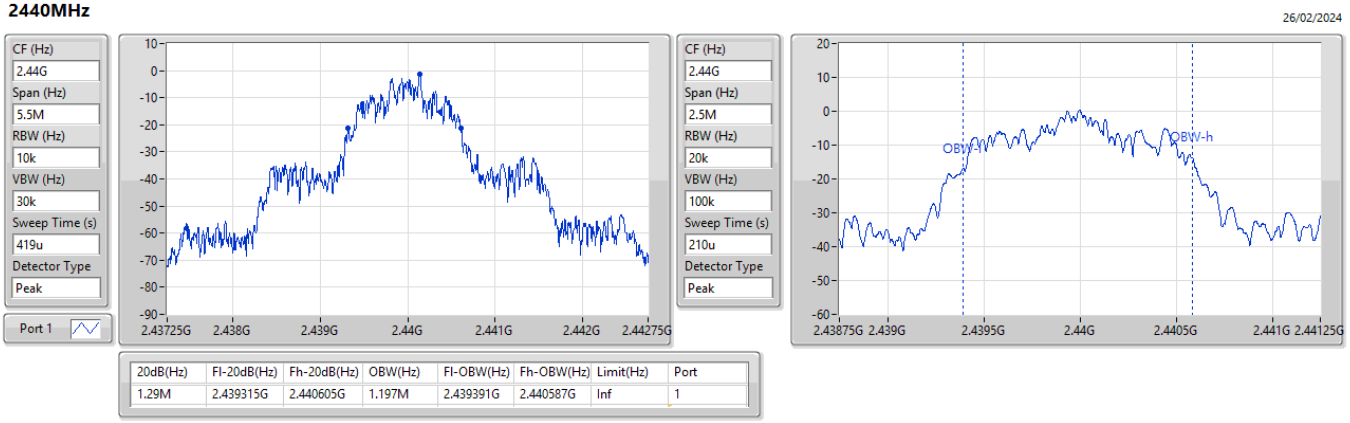
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.287M	2.401318G	2.402605G	1.187M	2.401399G	2.402586G	Inf	1

2.4-2.4835GHz_BT-EDR(3Mbps) **EBW-FS**

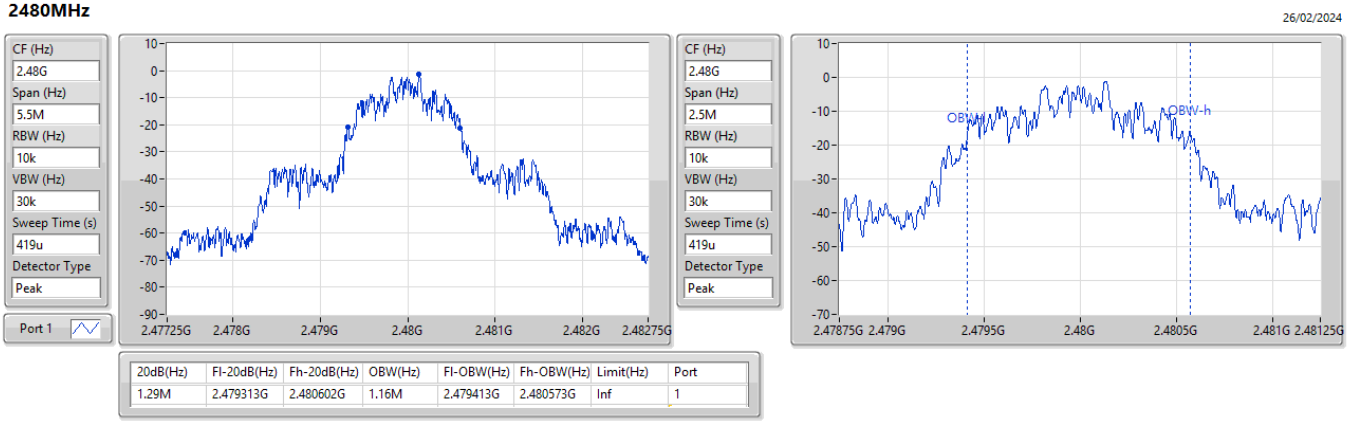
2440MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.29M	2.439315G	2.440605G	1.197M	2.439391G	2.440587G	Inf	1

2.4-2.4835GHz_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
1.29M	2.479313G	2.480602G	1.16M	2.479413G	2.480573G	Inf	1

Summary

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

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402137G	2.403139G	1.002M	679.32k
2440MHz	Pass	2.440136G	2.441136G	1.0005M	679.32k
2480MHz	Pass	2.479133G	2.480133G	1.0005M	679.32k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.40214G	2.403141G	1.0005M	879.12k
2440MHz	Pass	2.440139G	2.441139G	1.0005M	895.77k
2480MHz	Pass	2.479137G	2.480138G	1.0005M	873.792k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402137G	2.403139G	1.002M	857.142k
2440MHz	Pass	2.440136G	2.441136G	1.0005M	859.14k
2480MHz	Pass	2.479134G	2.480133G	999k	859.14k

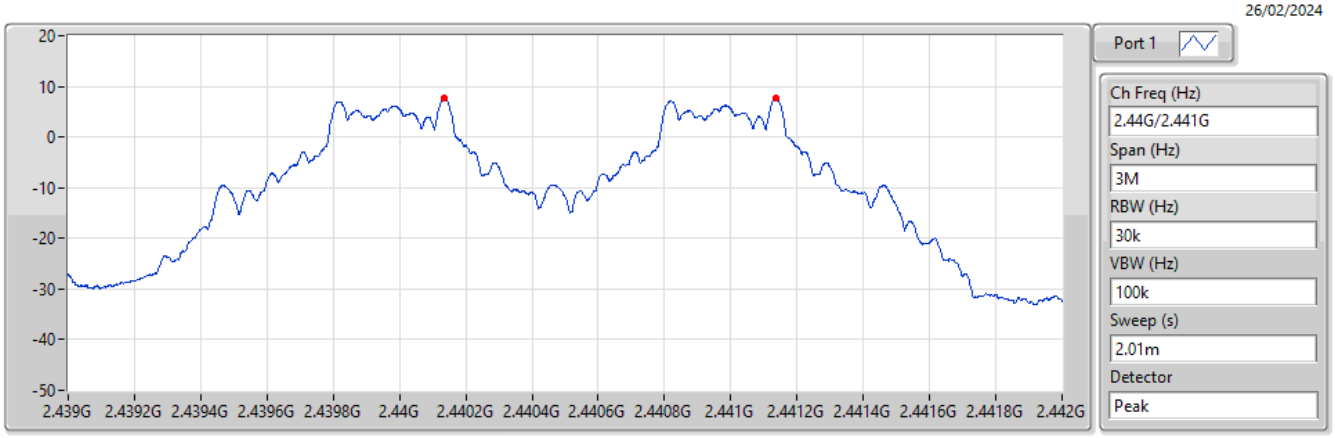
2.4-2.4835GHz_BT-BR(1Mbps) **Channel Separation-FS**

2.402G/2.403GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402137G	2.403139G	1.002M	679.32k

2.4-2.4835GHz_BT-BR(1Mbps) **Channel Separation-FS**

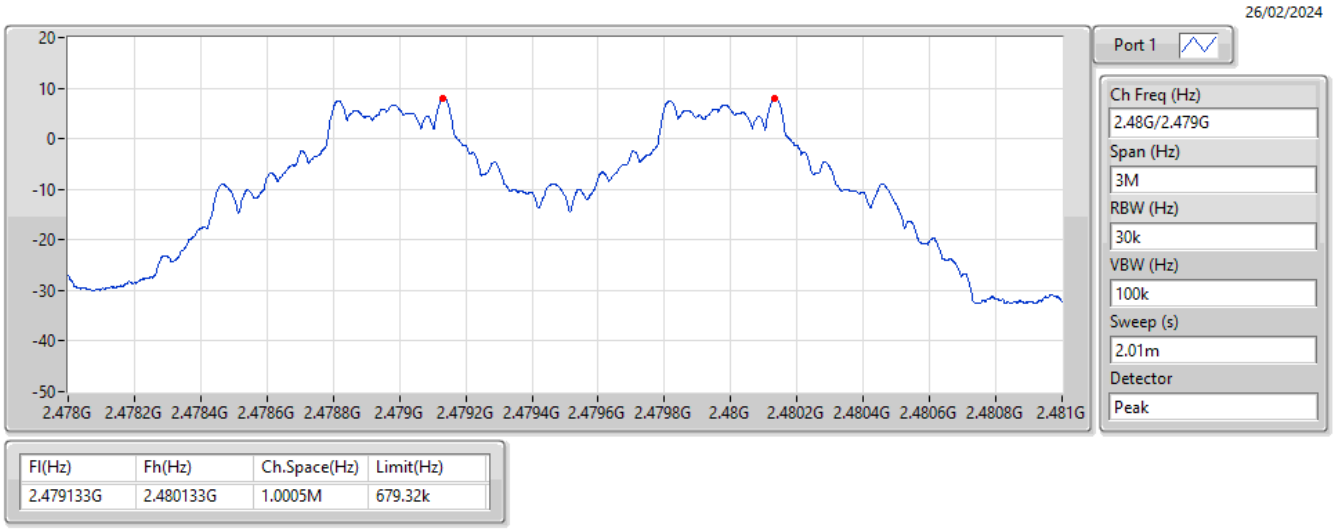
2.44G/2.441GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440136G	2.441136G	1.0005M	679.32k

2.4-2.4835GHz_BT-BR(1Mbps) **Channel Separation-FS**

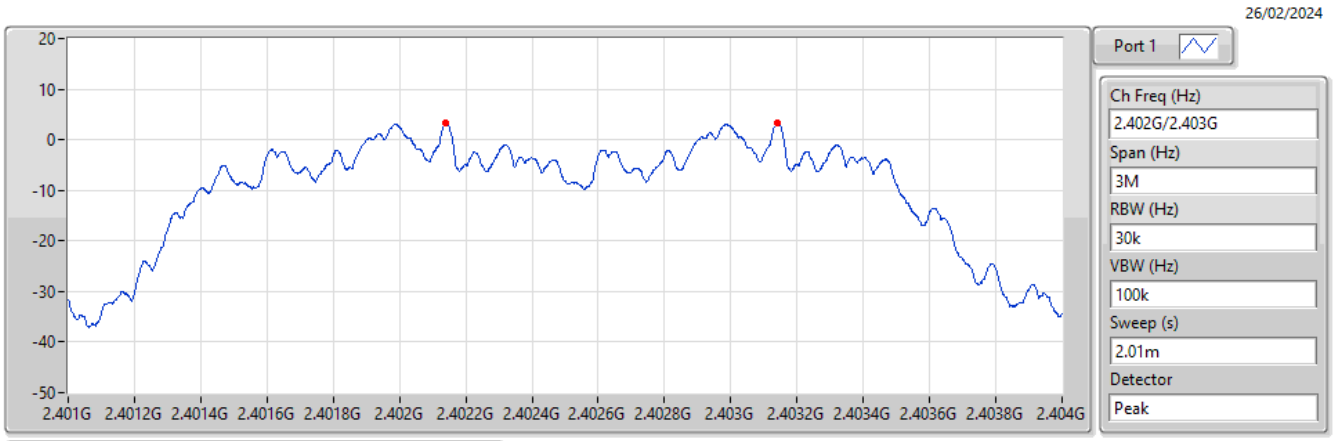
2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479133G	2.480133G	1.0005M	679.32k

2.4-2.4835GHz_BT-EDR(2Mbps) **Channel Separation-FS**

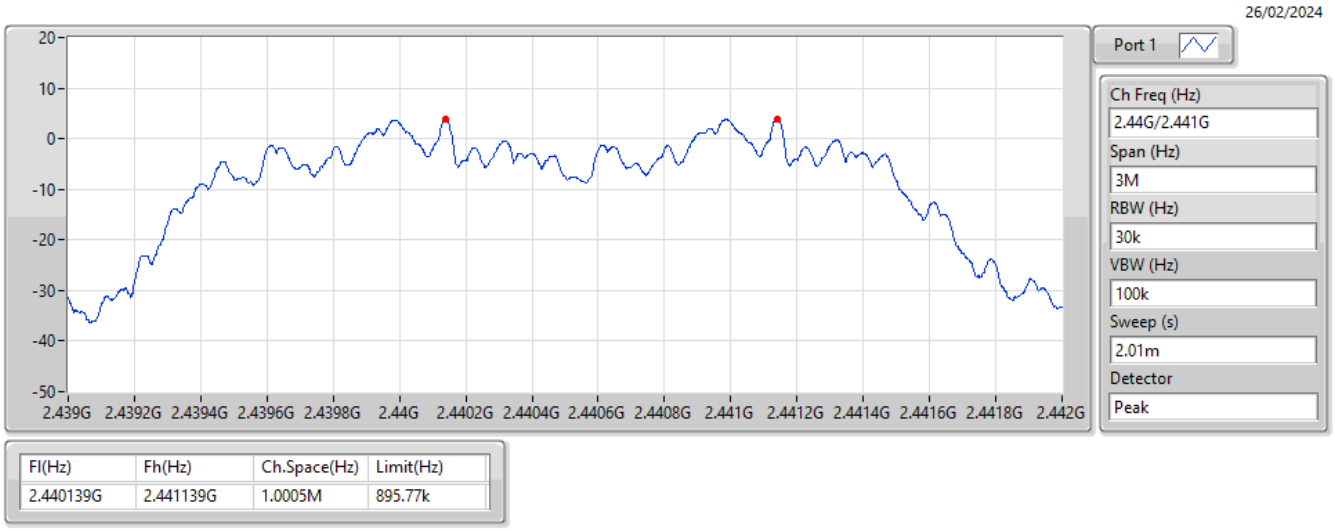
2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.40214G	2.403141G	1.0005M	879.12k

2.4-2.4835GHz_BT-EDR(2Mbps) **Channel Separation-FS**

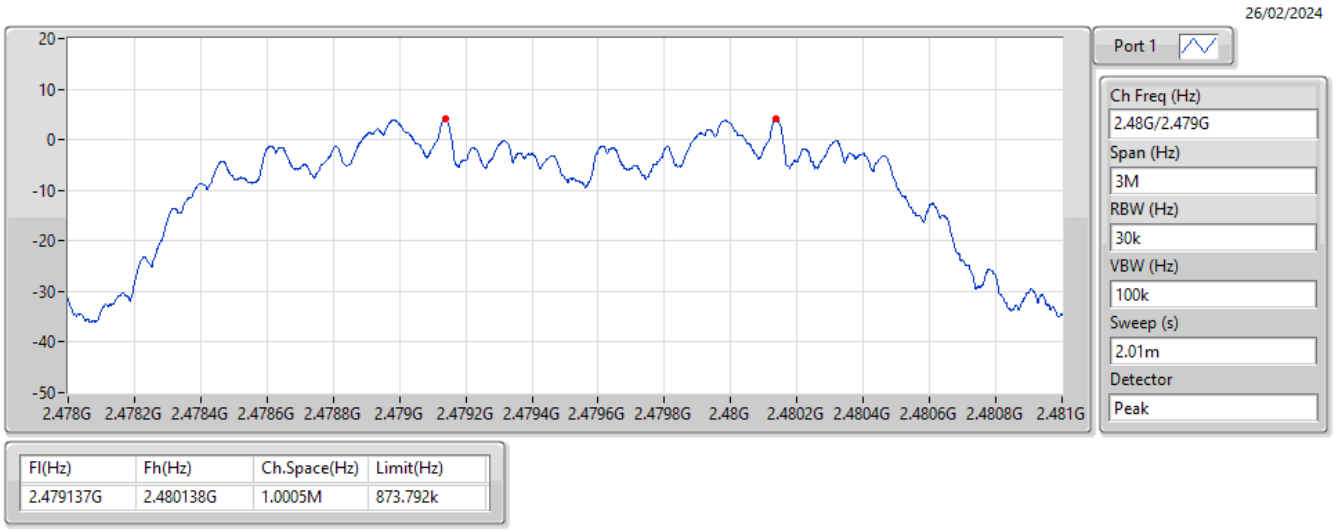
2.44G/2.441GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440139G	2.441139G	1.0005M	895.77k

2.4-2.4835GHz_BT-EDR(2Mbps) **Channel Separation-FS**

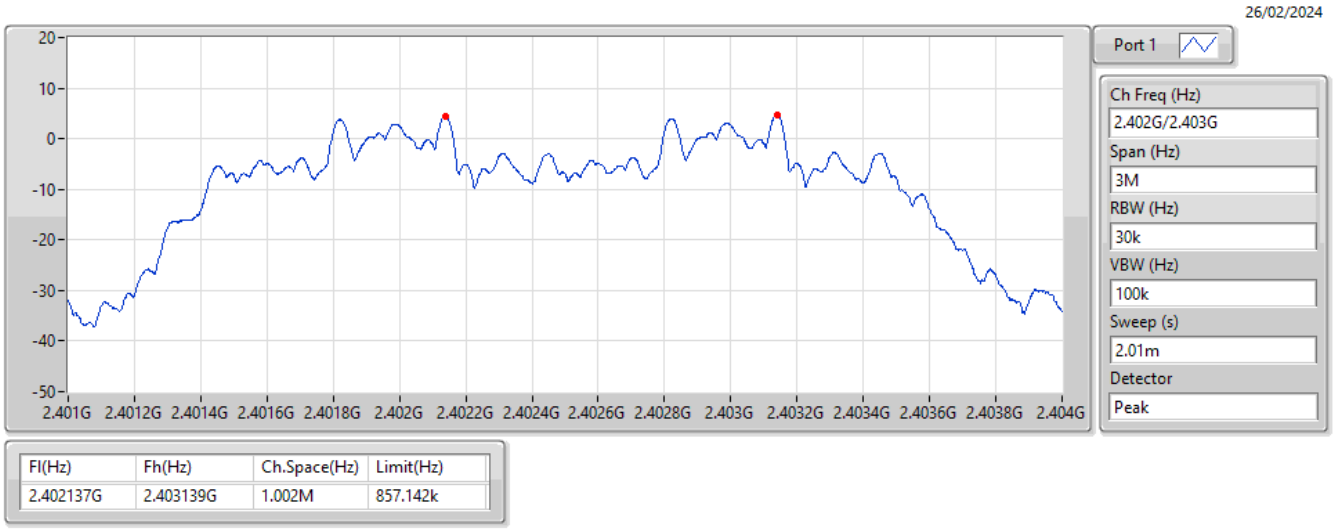
2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479137G	2.480138G	1.0005M	873.792k

2.4-2.4835GHz_BT-EDR(3Mbps) **Channel Separation-FS**

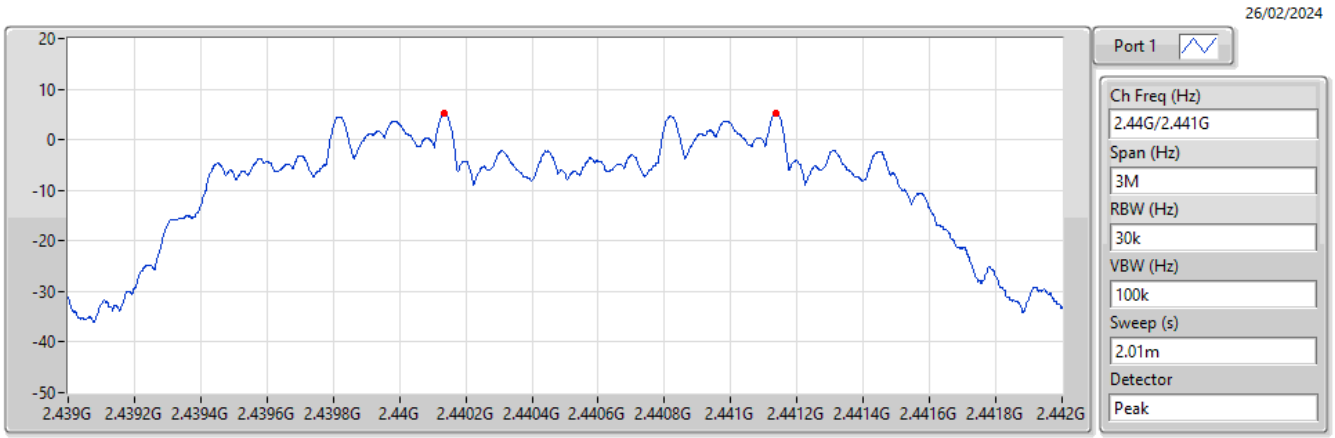
2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402137G	2.403139G	1.002M	857.142k

2.4-2.4835GHz_BT-EDR(3Mbps) **Channel Separation-FS**

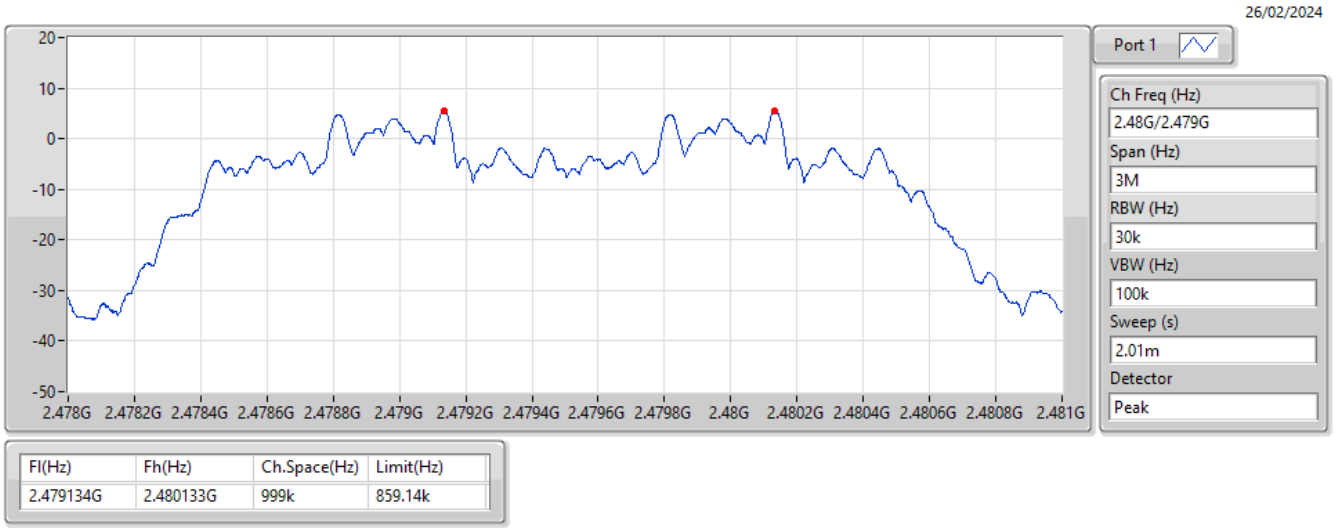
2.44G/2.441GHz



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



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479134G	2.480133G	999k	859.14k

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	8.16	0.00655
BT-BR(1Mbps)	9.14	0.00820
BT-BR(1Mbps)	9.30	0.00851
BT-EDR(2Mbps)	5.69	0.00371
BT-EDR(2Mbps)	6.48	0.00445
BT-EDR(2Mbps)	6.65	0.00462
BT-EDR(3Mbps)	5.57	0.00361
BT-EDR(3Mbps)	6.58	0.00455
BT-EDR(3Mbps)	6.44	0.00441

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	2.55	8.16	21.00
2440MHz	Pass	2.55	9.14	21.00
2480MHz	Pass	2.55	9.30	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	2.55	5.69	21.00
2440MHz	Pass	2.55	6.48	21.00
2480MHz	Pass	2.55	6.65	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	2.55	5.57	21.00
2440MHz	Pass	2.55	6.58	21.00
2480MHz	Pass	2.55	6.44	21.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	8.73	0.00746
BT-BR(1Mbps)	9.42	0.00875
BT-BR(1Mbps)	9.96	0.00991
BT-EDR(2Mbps)	7.46	0.00557
BT-EDR(2Mbps)	8.07	0.00641
BT-EDR(2Mbps)	8.39	0.00690
BT-EDR(3Mbps)	7.70	0.00589
BT-EDR(3Mbps)	8.27	0.00671
BT-EDR(3Mbps)	8.55	0.00716

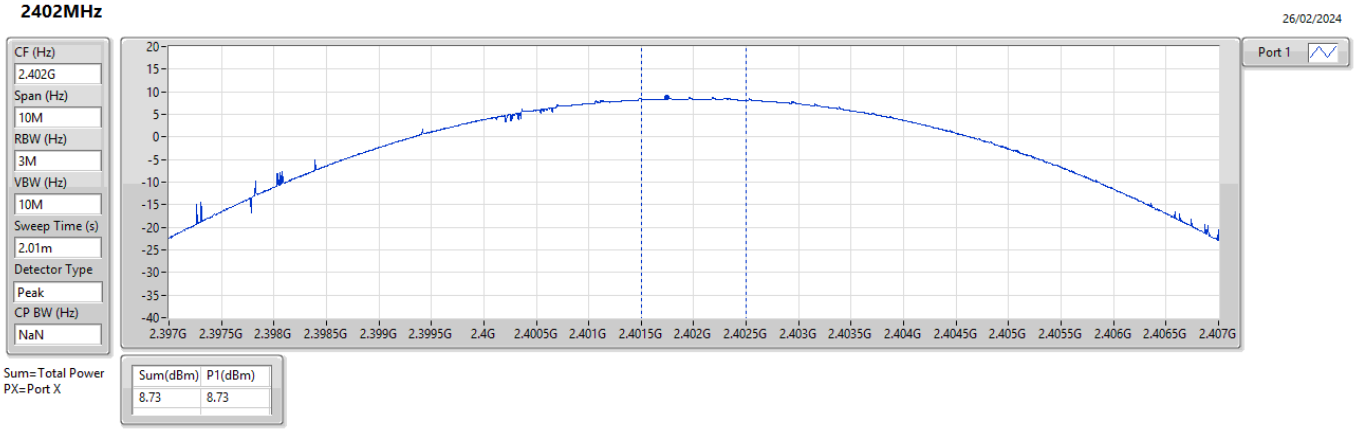
Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	2.55	8.73	21.00
2440MHz	Pass	2.55	9.42	21.00
2480MHz	Pass	2.55	9.96	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	2.55	7.46	21.00
2440MHz	Pass	2.55	8.07	21.00
2480MHz	Pass	2.55	8.39	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	2.55	7.70	21.00
2440MHz	Pass	2.55	8.27	21.00
2480MHz	Pass	2.55	8.55	21.00

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

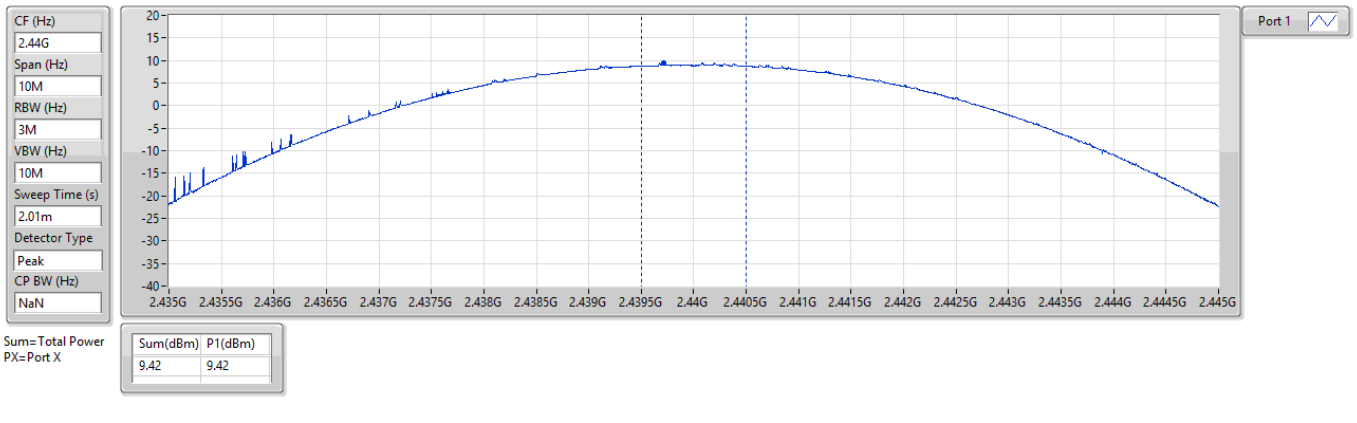
2.4-2.4835GHz_BT-BR(1Mbps) **PK Power-FS**

2402MHz



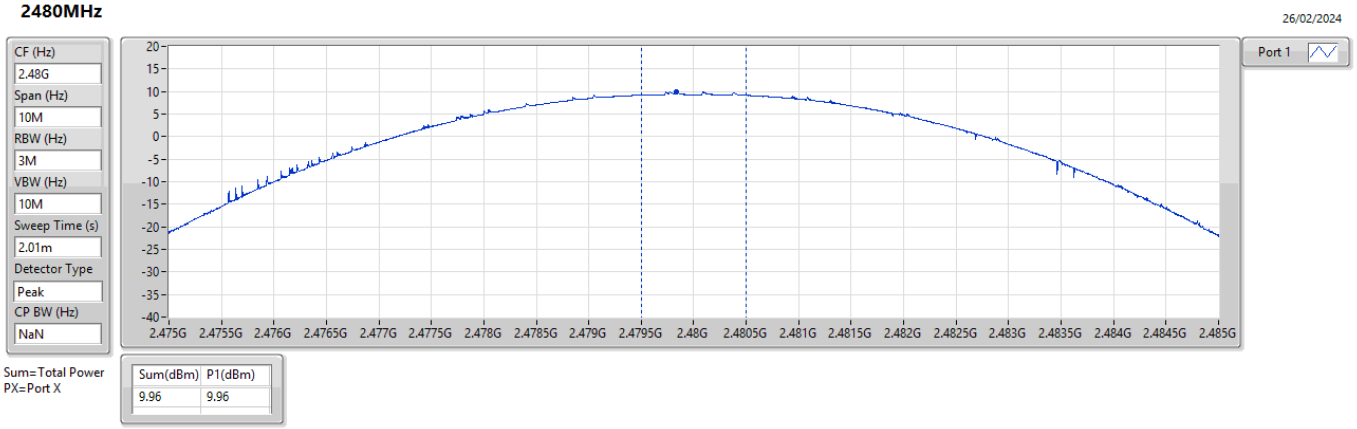
2.4-2.4835GHz_BT-BR(1Mbps) **PK Power-FS**

2440MHz



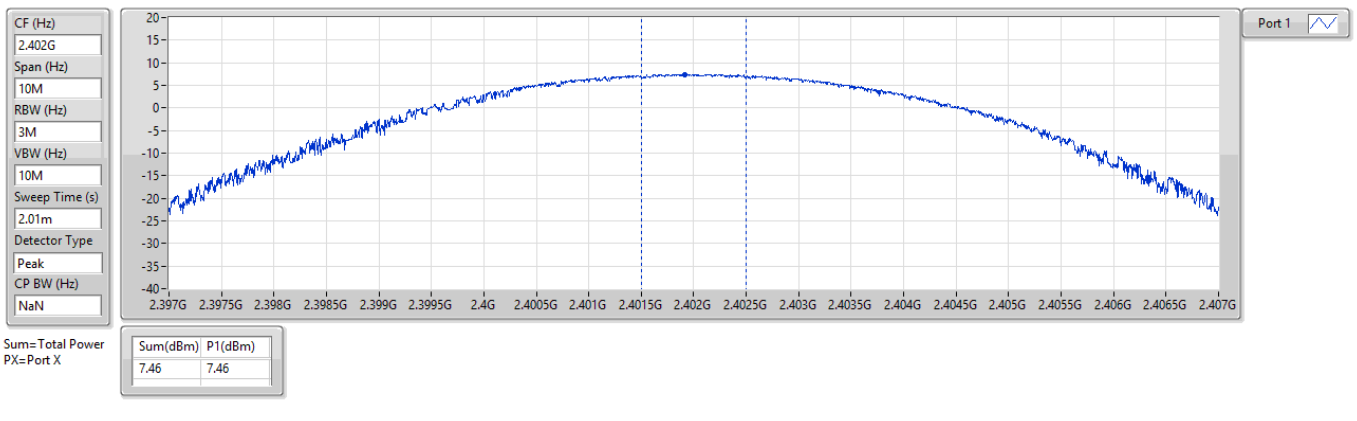
2.4-2.4835GHz_BT-BR(1Mbps) **PK Power-FS**

2480MHz



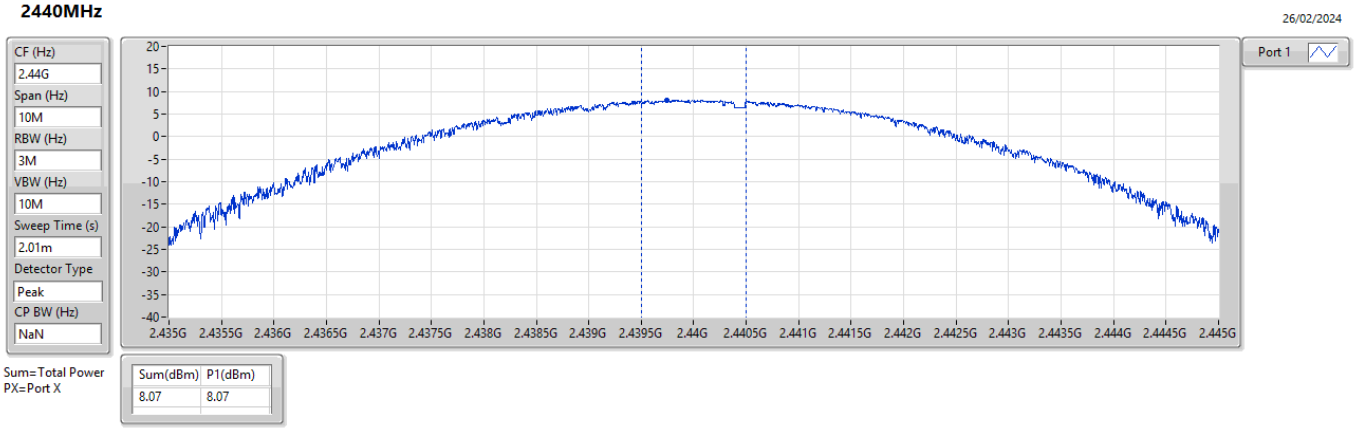
2.4-2.4835GHz_BT-EDR(2Mbps) **PK Power-FS**

2402MHz



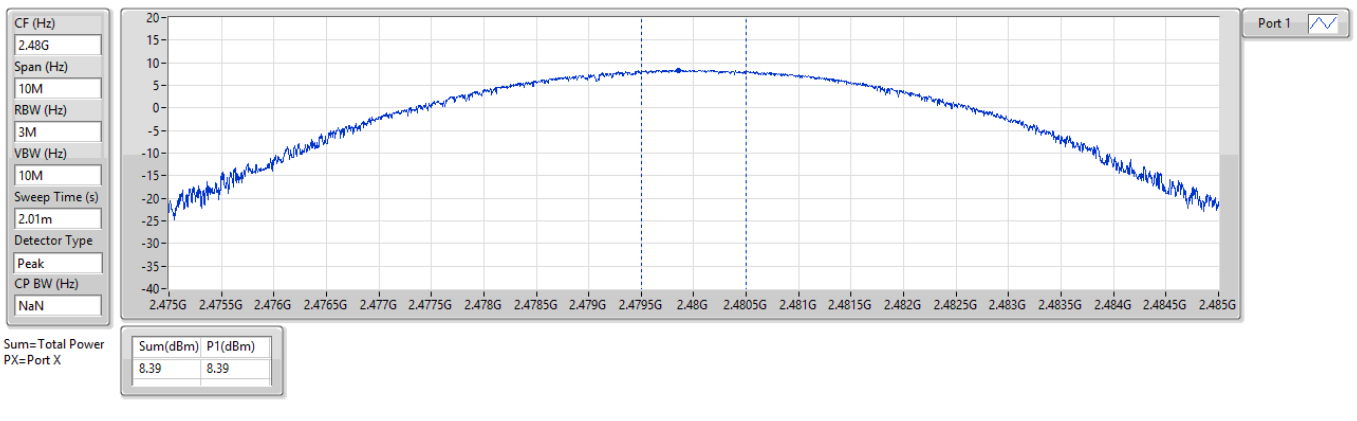
2.4-2.4835GHz_BT-EDR(2Mbps) **PK Power-FS**

2440MHz



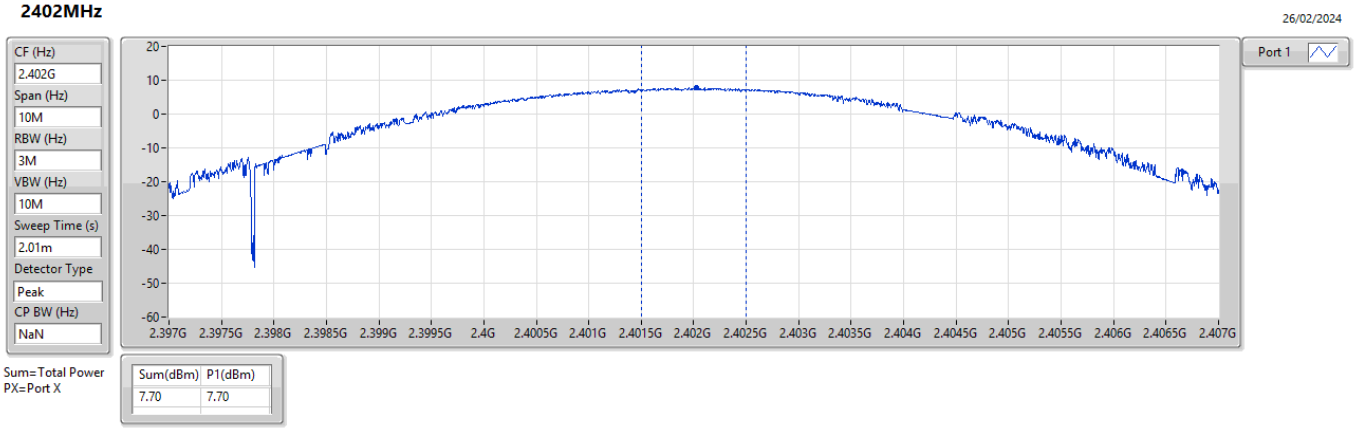
2.4-2.4835GHz_BT-EDR(2Mbps) **PK Power-FS**

2480MHz



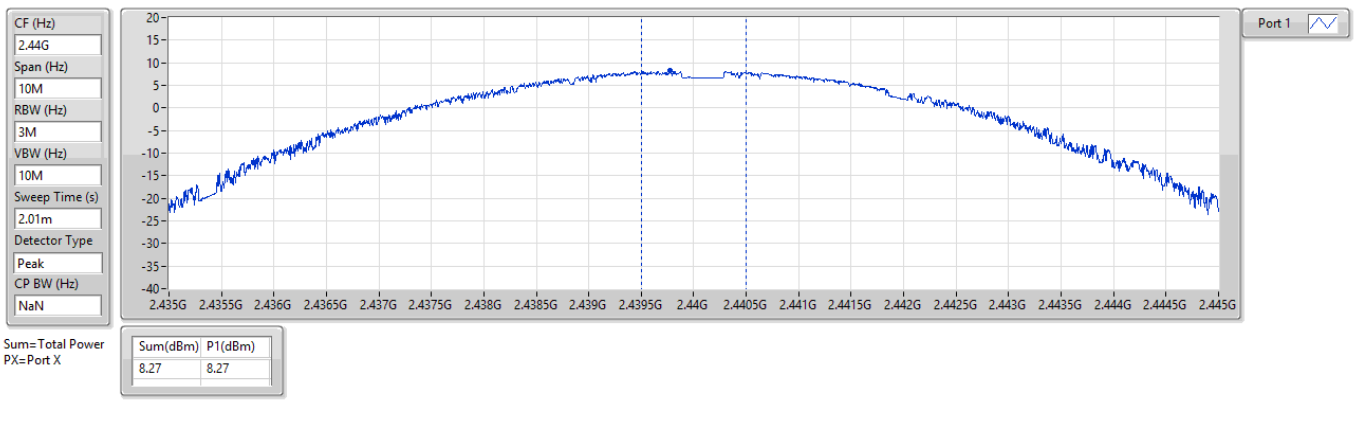
2.4-2.4835GHz_BT-EDR(3Mbps) **PK Power-FS**

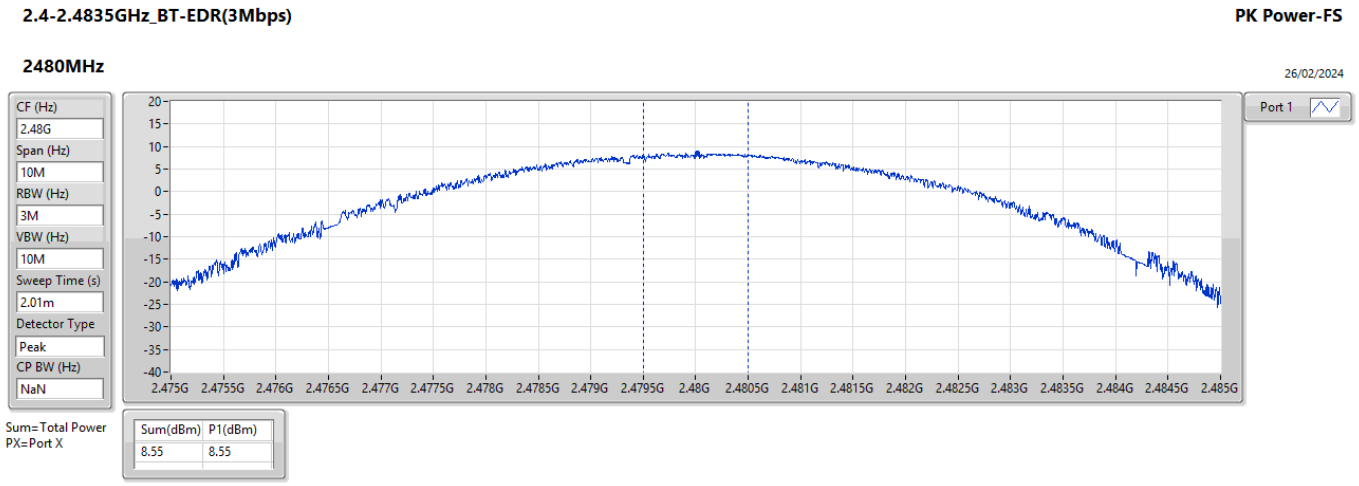
2402MHz



2.4-2.4835GHz_BT-EDR(3Mbps) **PK Power-FS**

2440MHz




2.4-2.4835GHz_BT-EDR(3Mbps)
PK Power-FS
2480MHz
26/02/2024
CF (Hz)
2.48G
Span (Hz)
10M
RBW (Hz)
3M
VBW (Hz)
10M
Sweep Time (s)
2.01m
Detector Type
Peak
CP BW (Hz)
NaN
Port 1
20
15
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
2.475G 2.4755G 2.476G 2.4765G 2.477G 2.4775G 2.478G 2.4785G 2.479G 2.4795G 2.48G 2.4805G 2.481G 2.4815G 2.482G 2.4825G 2.483G 2.4835G 2.484G 2.4845G 2.485G
Sum=Total Power
PX=Port X
Sum(dBm) P1(dBm)
8.55 8.55

Summary

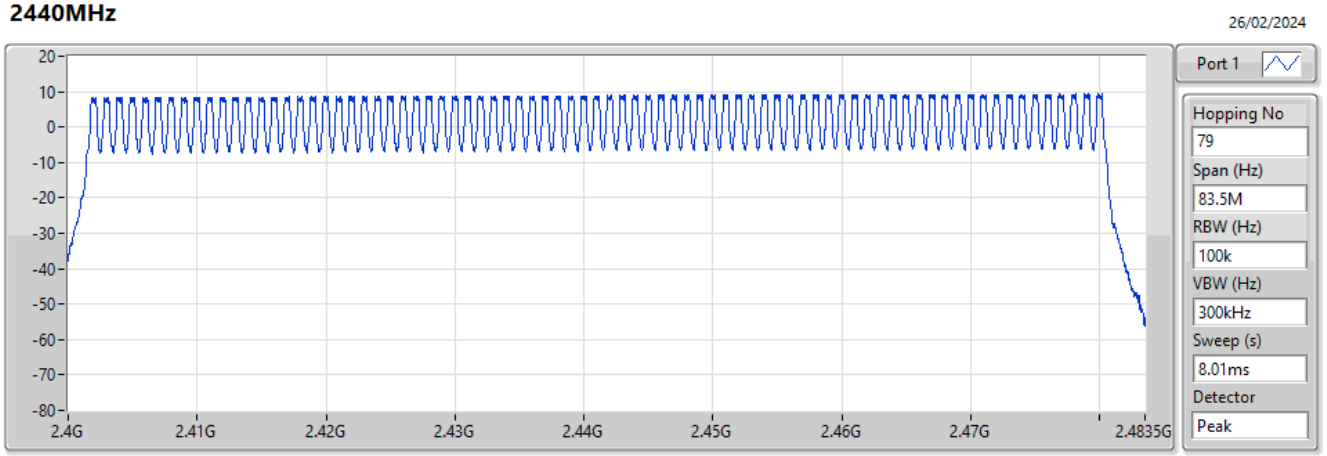
Mode 2.4-2.4835GHz	Max-Hop No -
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

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

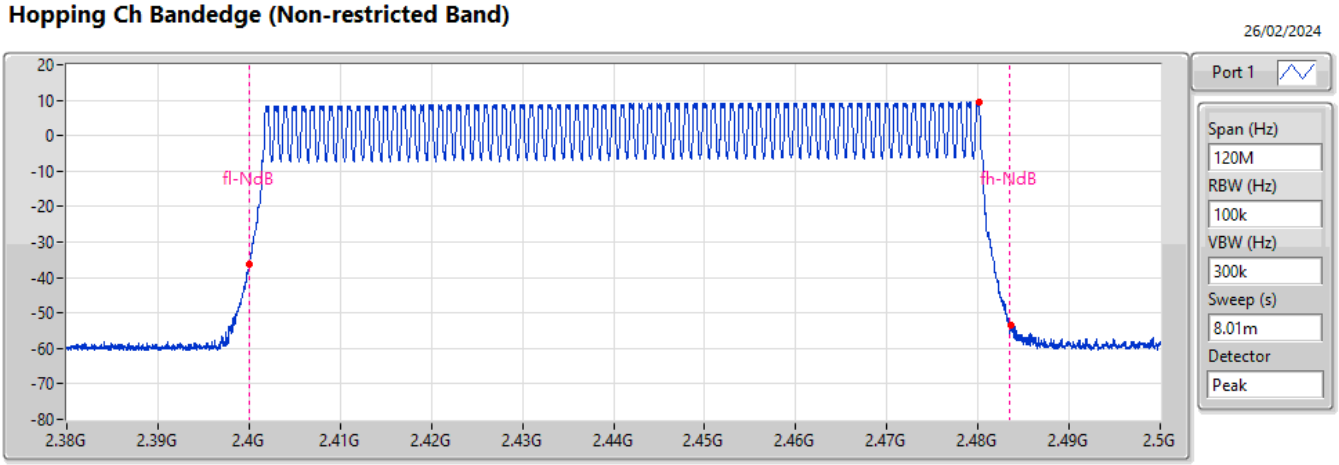


Hopping No	Limit
79	15

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

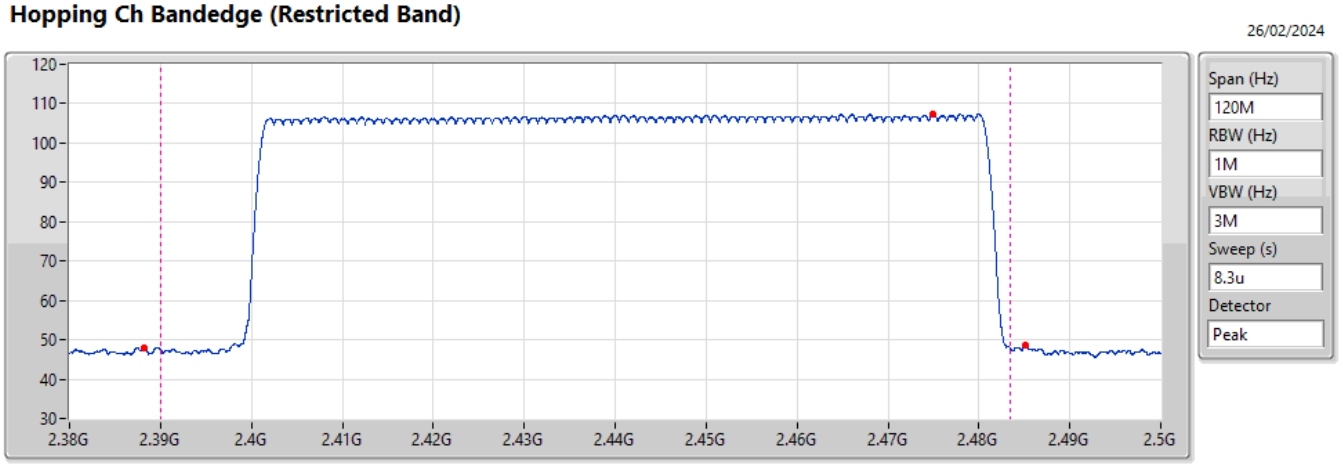


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-10.71	2.48014G	9.29	2.399995G	-36.39	2.483605G	-53.39

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz

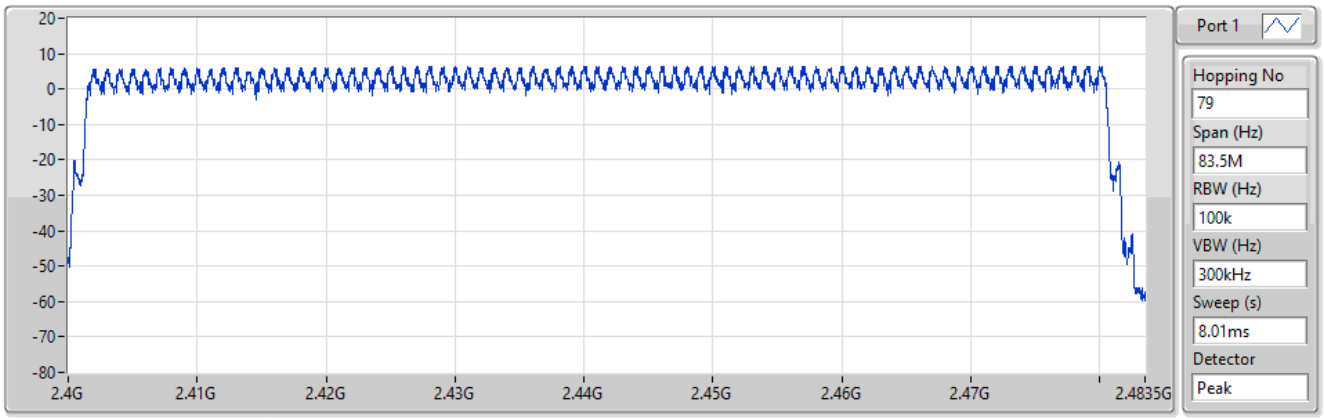
Hopping Ch Bandedge (Restricted Band)



Ref(Hz)	Ref(dBuV/m)	BE-I(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)
2.474935G	107.35	2.388175G	47.97	17.87	2.485105G	48.69	18.59	74	54	3.125	-30.1

2.4-2.4835GHz_BT-EDR(2Mbps) **Hopping-FS**

2440MHz

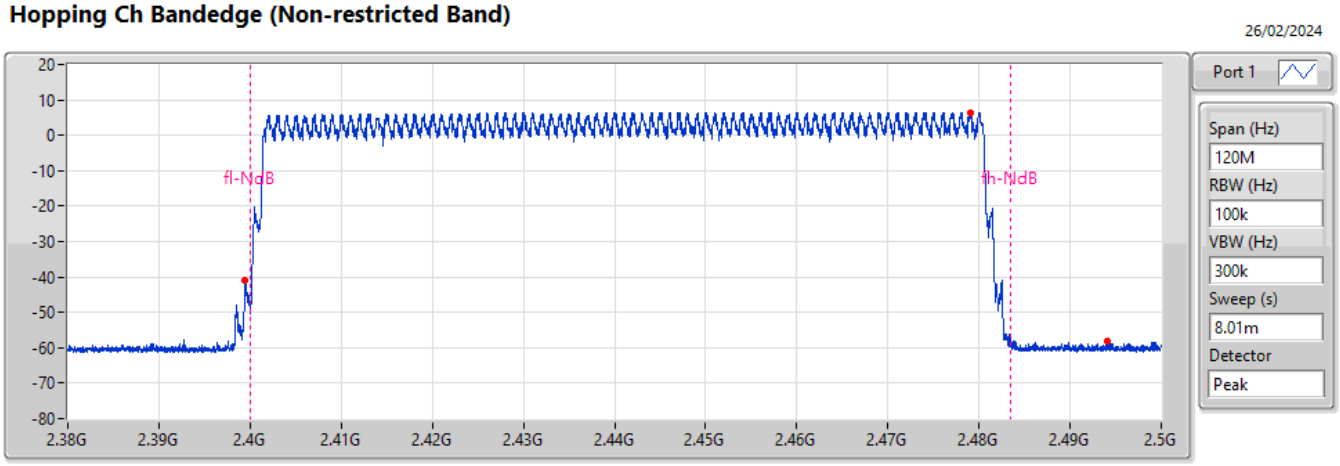


Hopping No	Limit
79	15

2.4-2.4835GHz_BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

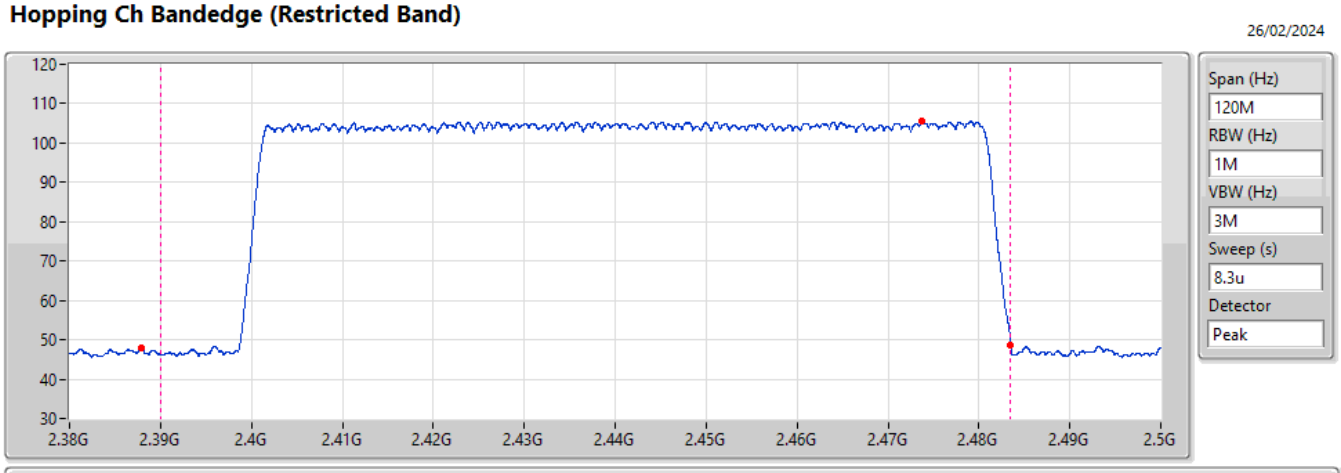


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-13.5	2.479135G	6.5	2.399485G	-41.08	2.49409G	-57.96

2.4-2.4835GHz_BT-EDR(2Mbps)

2440MHz

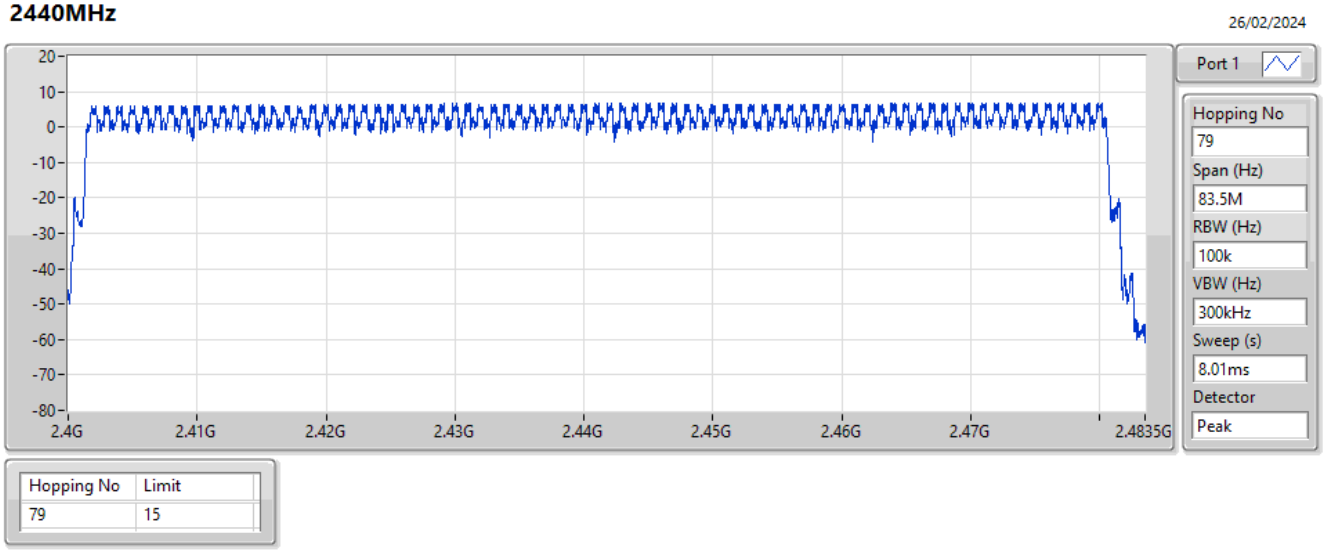
Hopping Ch Bandedge (Restricted Band)



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)
2.47378G	105.62	2.387845G	47.79	17.69	2.483515G	48.76	18.66	74	54	3.125	-30.1

2.4-2.4835GHz_BT-EDR(3Mbps) **Hopping-FS**

2440MHz

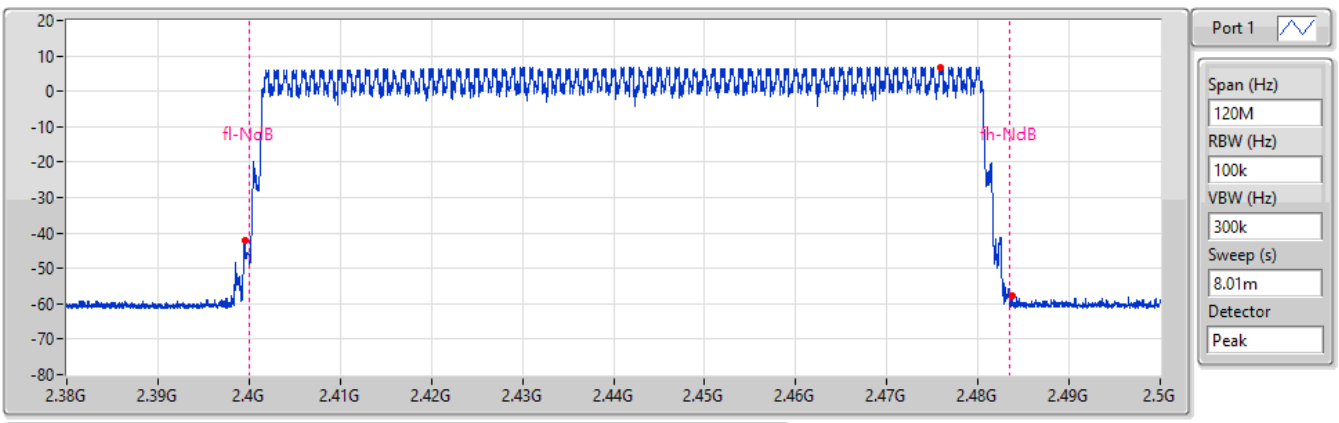


Hopping No	Limit
79	15

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

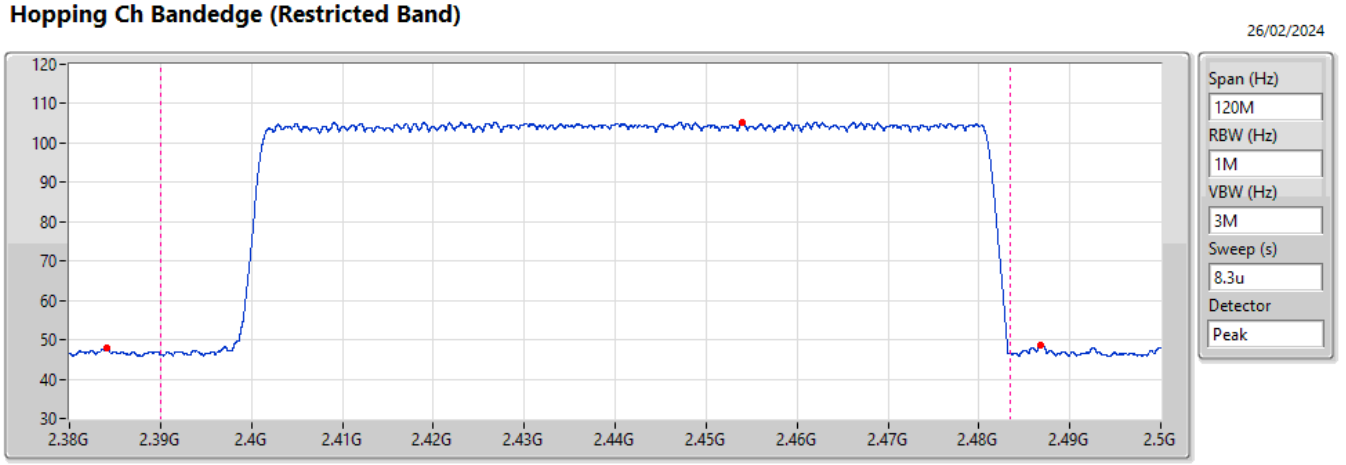


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-13.28	2.47582G	6.72	2.399515G	-42.09	2.483695G	-57.59

2.4-2.4835GHz_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)
2.453995G	105.4	2.384035G	47.77	17.67	2.486845G	48.71	18.61	74	54	3.125	-30.1

Summary

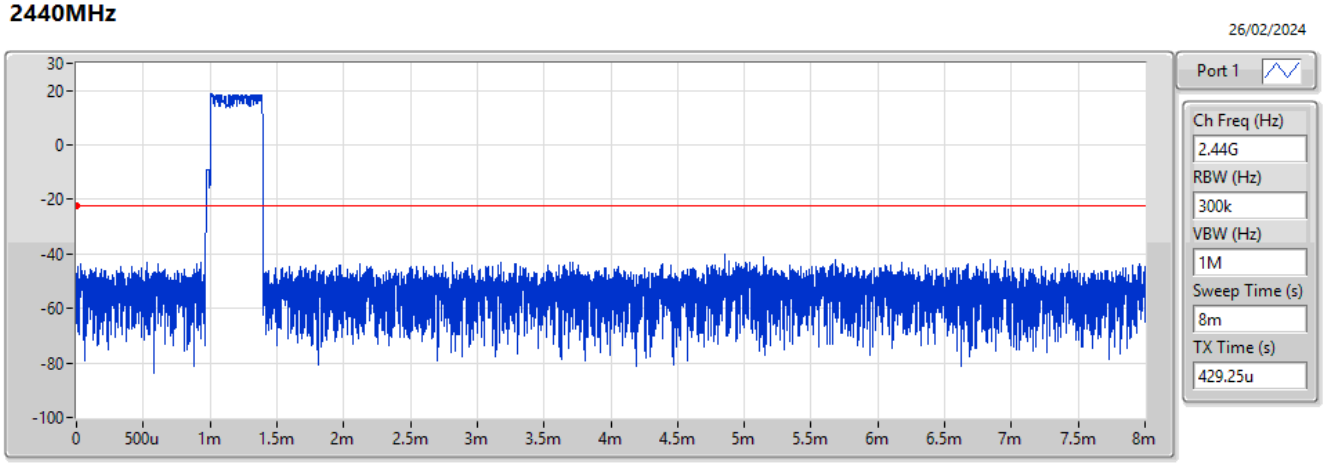
2.4-2.4835GHz	-
BT-BR(1Mbps)	45.75805m_DH5
BT-EDR(2Mbps)	34.0054m_DH5
BT-EDR(3Mbps)	29.66145m_DH5

Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	45.75805m_DH5	400m	429.25u
2440MHz	Pass	8	22.879025m_DH5-AFH	400m	429.25u
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	34.0054m_DH5	400m	319u
2440MHz	Pass	8	17.016025m_DH5-AFH	400m	319.25u
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	29.66145m_DH5	400m	278.25u
2440MHz	Pass	8	14.644175m_DH5-AFH	400m	274.75u

2.4-2.4835GHz_BT-BR(1Mbps) **Dwell-FS**

2440MHz

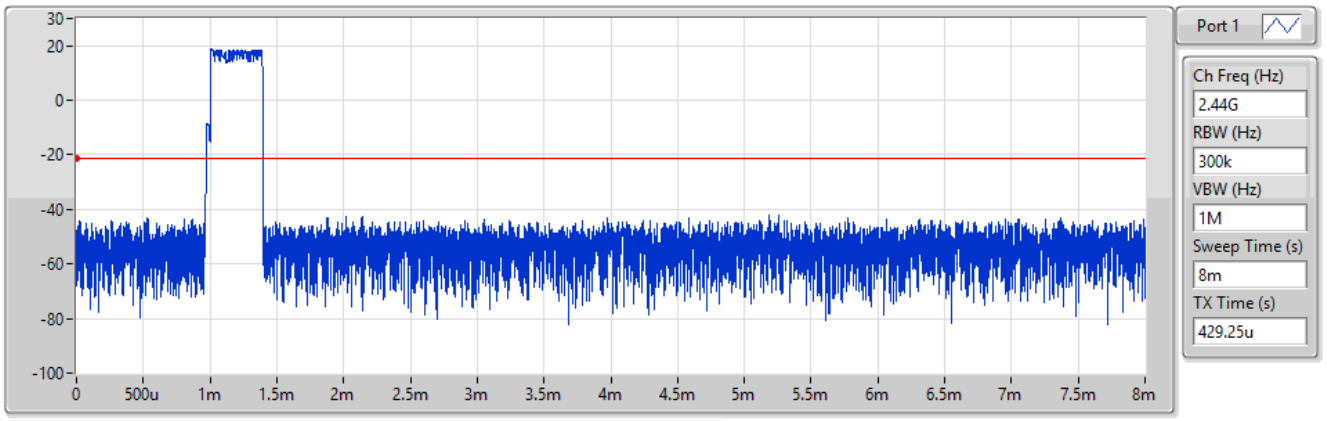


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	45.75805m_DH5	400m	429.25u

DH5

2.4-2.4835GHz_BT-BR(1Mbps) **Dwell-FS**

2440MHz

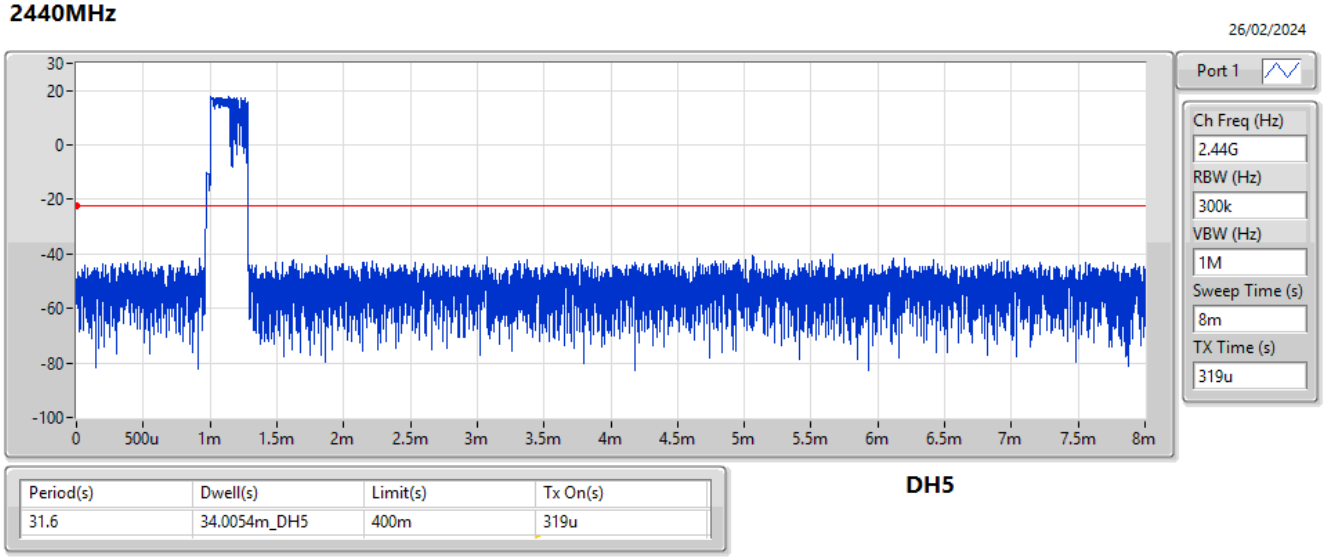


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	22.879025m_DH5-AFH	400m	429.25u

DH5-AFH

2.4-2.4835GHz_BT-EDR(2Mbps) **Dwell-FS**

2440MHz

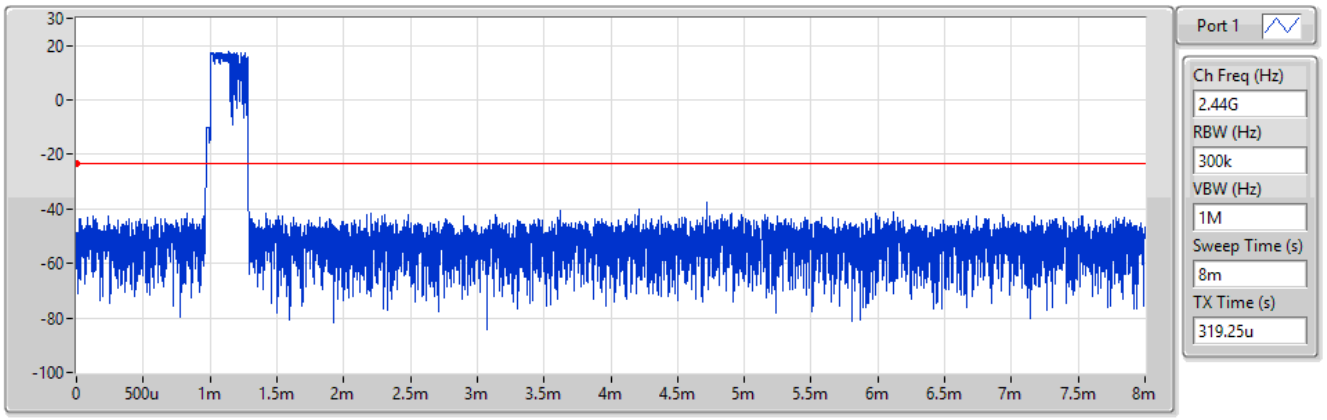


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	34.0054m_DH5	400m	319u

DH5

2.4-2.4835GHz_BT-EDR(2Mbps) **Dwell-FS**

2440MHz

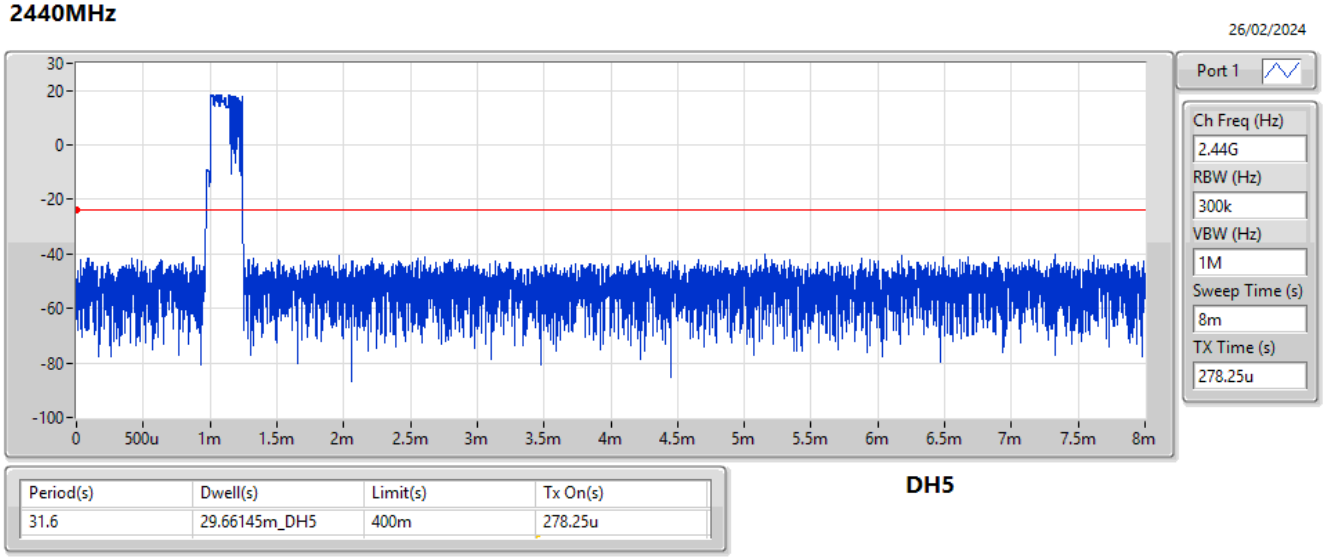


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	17.016025m_DH5-AFH	400m	319.25u

DH5-AFH

2.4-2.4835GHz_BT-EDR(3Mbps) **Dwell-FS**

2440MHz

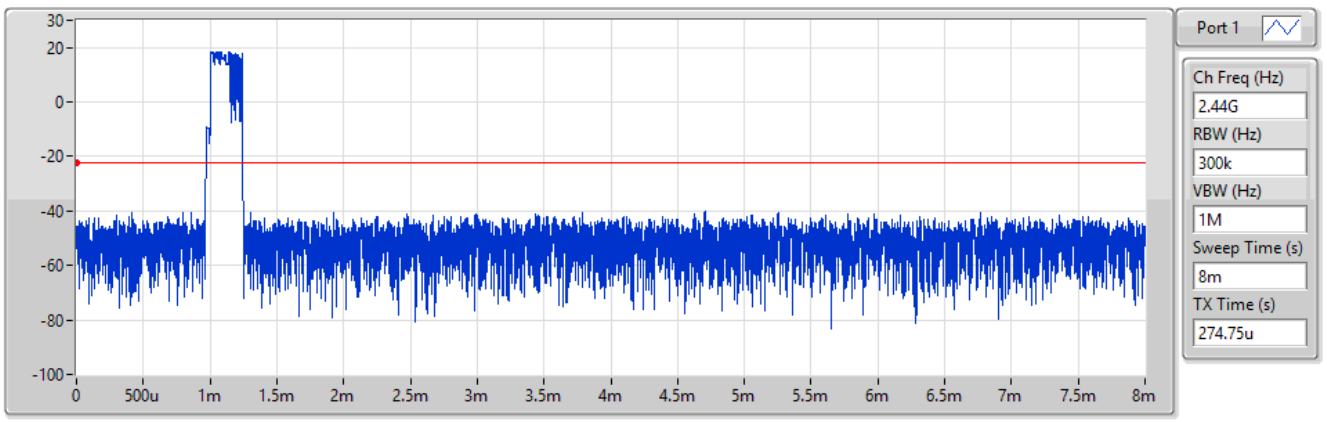


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	29.66145m_DH5	400m	278.25u

DH5

2.4-2.4835GHz_BT-EDR(3Mbps) **Dwell-FS**

2440MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	14.644175m_DH5-AFH	400m	274.75u

DH5-AFH

Summary

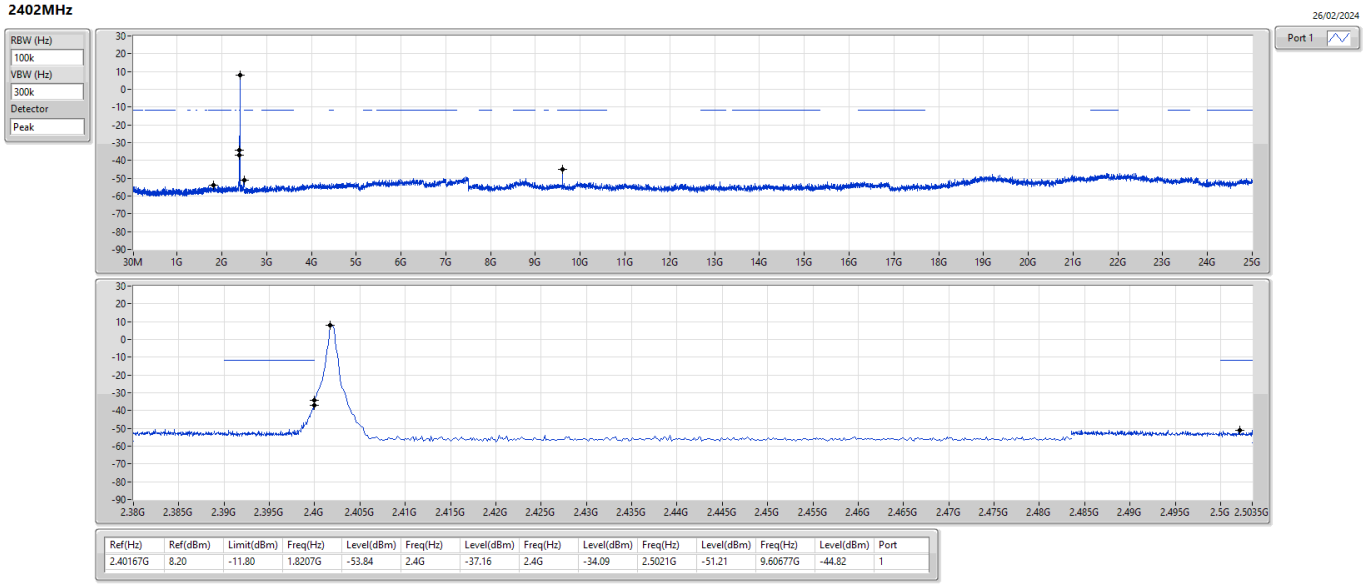
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.40167G	8.20	-11.80	1.8207G	-53.84	2.4G	-37.16	2.4G	-34.09	2.5021G	-51.21	9.60677G	-44.82	1
BT-BR(1Mbps)	Pass	2.44008G	8.94	-11.06	30M	-54.04	2.39908G	-50.57	2.4G	-56.68	2.5025G	-51.68	21.85049G	-47.11	1
BT-BR(1Mbps)	Pass	2.48016G	9.35	-10.65	1.98403G	-53.94	2.3934G	-50.90	2.4G	-56.70	2.50034G	-51.52	21.93204G	-46.32	1
BT-EDR(2Mbps)	Pass	2.402G	5.63	-14.37	54.68M	-54.31	2.39952G	-40.20	2.4G	-45.19	2.50222G	-51.25	21.56928G	-47.28	1
BT-EDR(2Mbps)	Pass	2.44008G	6.38	-13.62	1.63975G	-53.16	2.39504G	-51.12	2.4G	-57.01	2.50078G	-51.24	21.75207G	-46.59	1
BT-EDR(2Mbps)	Pass	2.47999G	6.54	-13.46	1.7126G	-54.03	2.39844G	-51.44	2.4G	-56.58	2.50014G	-51.78	21.63959G	-47.36	1
BT-EDR(3Mbps)	Pass	2.402G	5.82	-14.18	2.1262G	-53.23	2.39952G	-40.38	2.4G	-46.99	2.50246G	-51.17	21.62271G	-47.49	1
BT-EDR(3Mbps)	Pass	2.44008G	6.56	-13.44	1.75255G	-54.12	2.39056G	-51.21	2.4G	-56.05	2.50326G	-51.91	21.75207G	-47.74	1
BT-EDR(3Mbps)	Pass	2.48016G	6.75	-13.25	2.18965G	-54.31	2.39236G	-51.84	2.4G	-57.05	2.50154G	-51.81	21.77456G	-46.82	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	2.40167G	8.20	-11.80	1.8207G	-53.84	2.4G	-37.16	2.4G	-34.09	2.5021G	-51.21	9.60677G	-44.82	1
2440MHz	Pass	2.44008G	8.94	-11.06	30M	-54.04	2.39908G	-50.57	2.4G	-56.68	2.5025G	-51.68	21.85049G	-47.11	1
2480MHz	Pass	2.48016G	9.35	-10.65	1.98403G	-53.94	2.3934G	-50.90	2.4G	-56.70	2.50034G	-51.52	21.93204G	-46.32	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	5.63	-14.37	54.68M	-54.31	2.39952G	-40.20	2.4G	-45.19	2.50222G	-51.25	21.56928G	-47.28	1
2440MHz	Pass	2.44008G	6.38	-13.62	1.63975G	-53.16	2.39504G	-51.12	2.4G	-57.01	2.50078G	-51.24	21.75207G	-46.59	1
2480MHz	Pass	2.47999G	6.54	-13.46	1.7126G	-54.03	2.39844G	-51.44	2.4G	-56.58	2.50014G	-51.78	21.63959G	-47.36	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	5.82	-14.18	2.1262G	-53.23	2.39952G	-40.38	2.4G	-46.99	2.50246G	-51.17	21.62271G	-47.49	1
2440MHz	Pass	2.44008G	6.56	-13.44	1.75255G	-54.12	2.39056G	-51.21	2.4G	-56.05	2.50326G	-51.91	21.75207G	-47.74	1
2480MHz	Pass	2.48016G	6.75	-13.25	2.18965G	-54.31	2.39236G	-51.84	2.4G	-57.05	2.50154G	-51.81	21.77456G	-46.82	1

2.4-2.4835GHz_BT-BR(1Mbps) CSENdB-FS

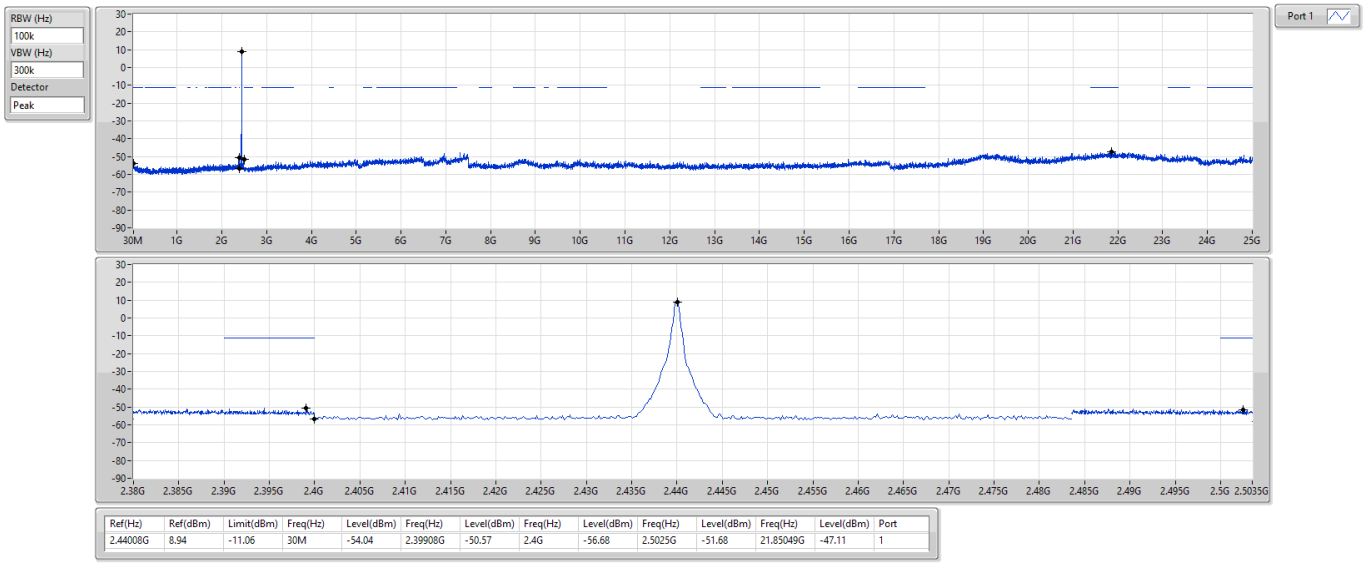
2402MHz



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
2.40167G	8.20	-11.80	1.8207G	-53.84	2.4G	-37.16	2.4G	-34.09	2.5021G	-51.21	9.60677G	-44.82	1

2.4-2.4835GHz_BT-BR(1Mbps) CSENdB-FS

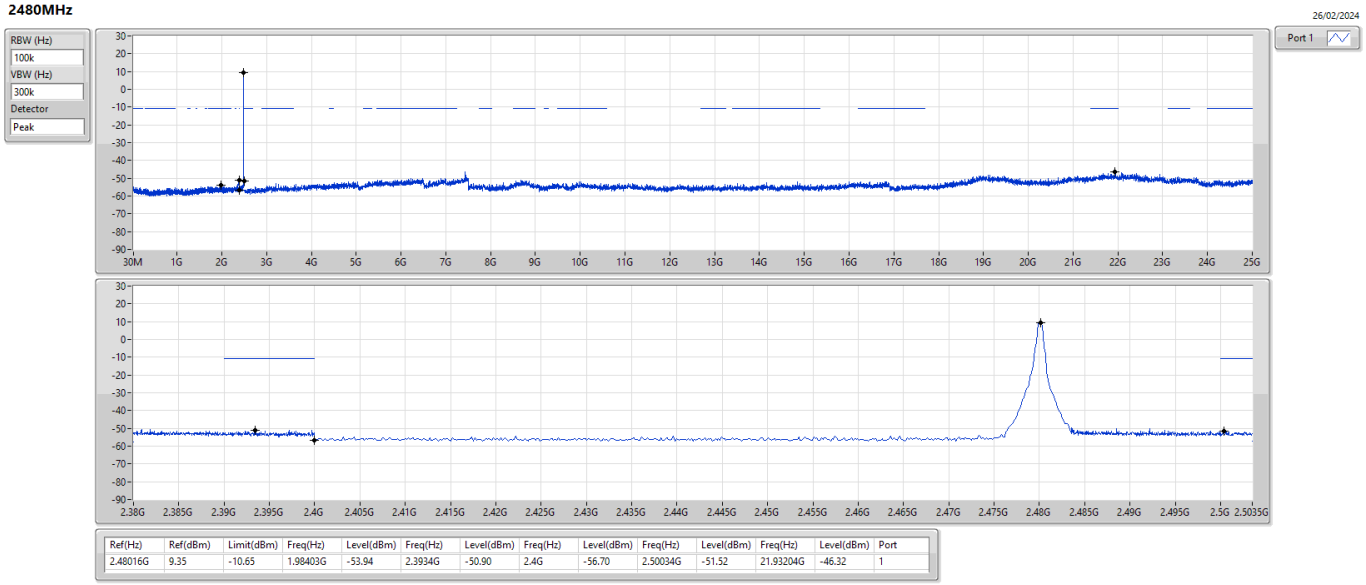
2440MHz



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
2.44008G	8.94	-11.06	30M	-54.04	2.39908G	-50.57	2.4G	-56.68	2.5025G	-51.68	21.85049G	-47.11	1

2.4-2.4835GHz_BT-BR(1Mbps) CSENdB-FS

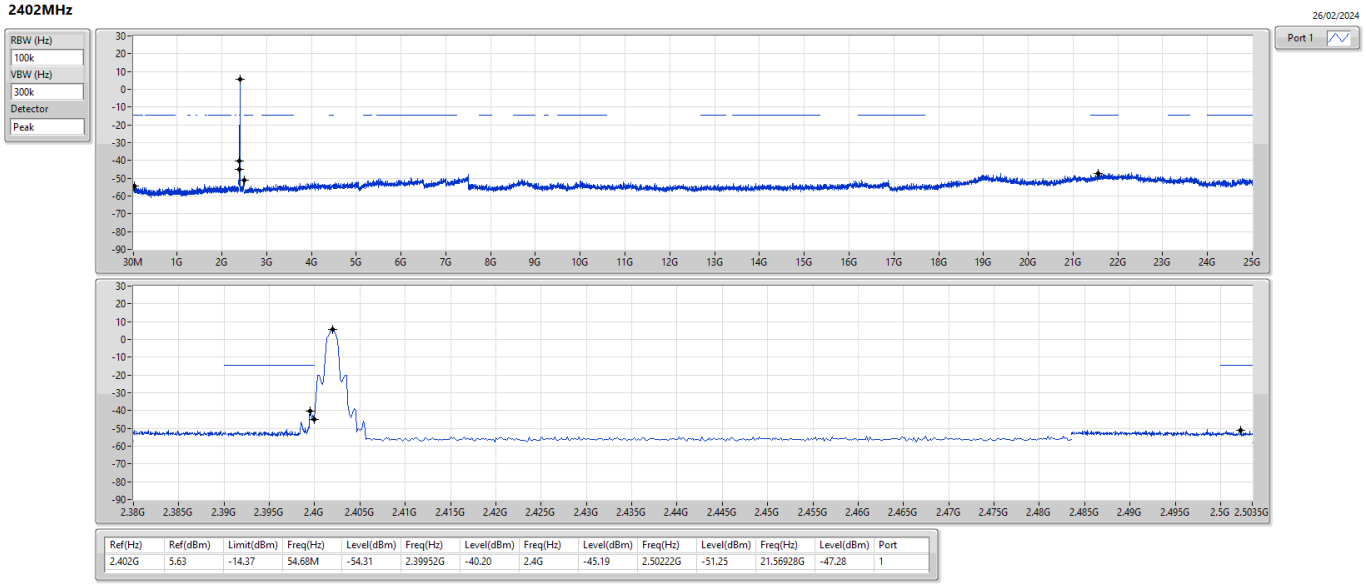
2480MHz



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
2.48016G	9.35	-10.65	1.98403G	-53.94	2.3934G	-50.90	2.4G	-56.70	2.50034G	-51.52	21.93204G	-46.32	1

2.4-2.4835GHz_BT-EDR(2Mbps) CSENdB-FS

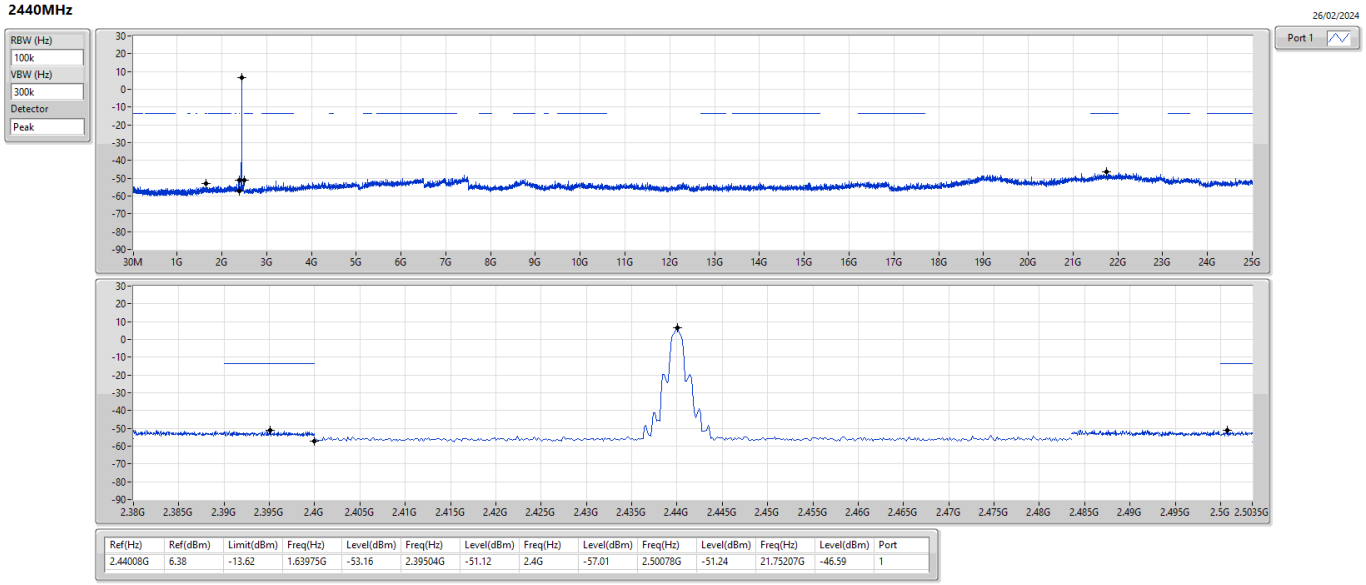
2402MHz



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
2.402G	5.63	-14.37	54.68M	-54.31	2.39952G	-40.20	2.4G	-45.19	2.50222G	-51.25	21.56928G	-47.28	1

2.4-2.4835GHz_BT-EDR(2Mbps) CSENdB-FS

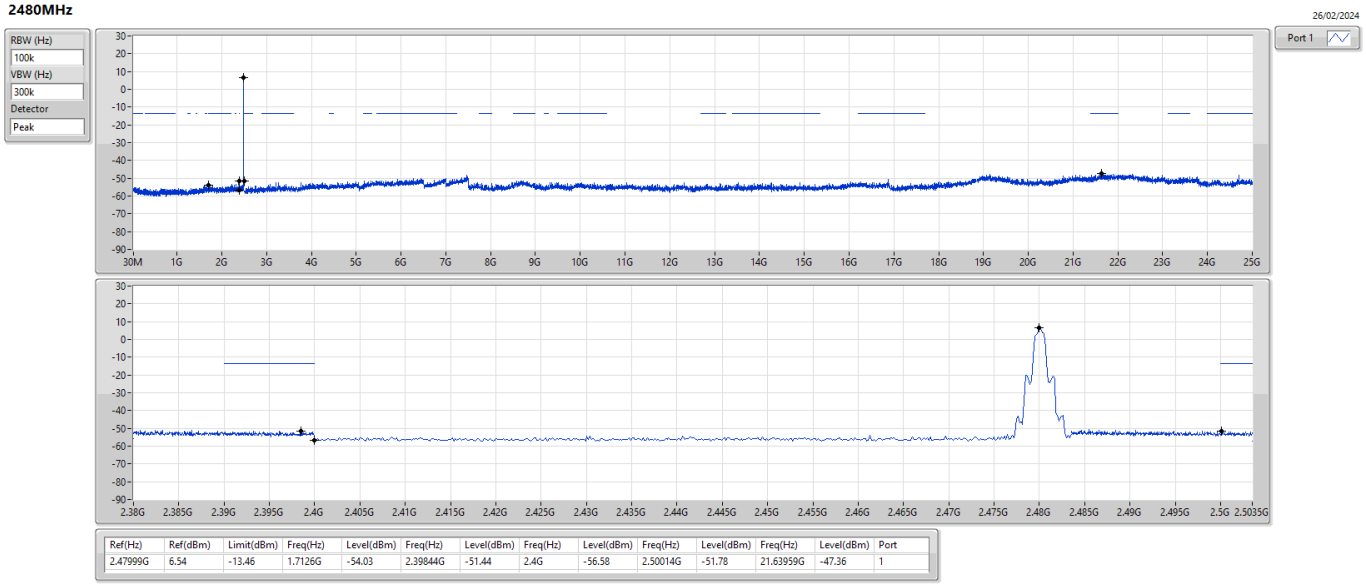
2440MHz



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
2.44008G	6.38	-13.62	1.63975G	-53.16	2.39504G	-51.12	2.4G	-57.01	2.50078G	-51.24	21.75207G	-46.59	1

2.4-2.4835GHz_BT-EDR(2Mbps) CSENdB-FS

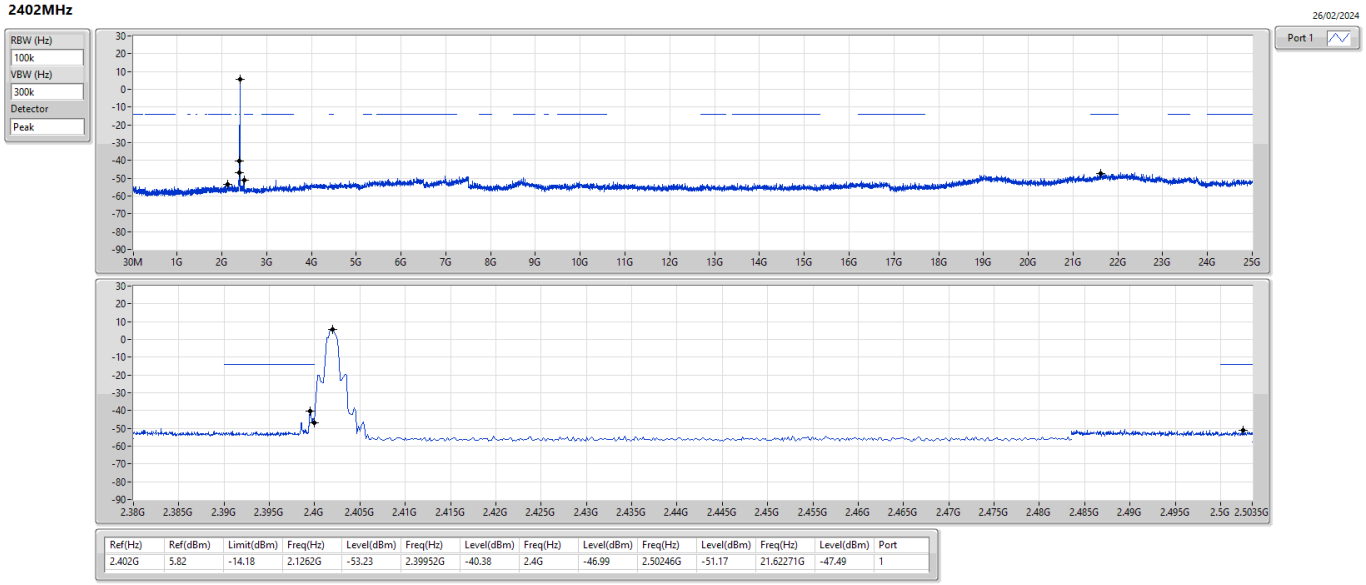
2480MHz



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
2.47999G	6.54	-13.46	1.7126G	-54.03	2.39844G	-51.44	2.4G	-56.58	2.50014G	-51.78	21.63959G	-47.36	1

2.4-2.4835GHz_BT-EDR(3Mbps) CSENdB-FS

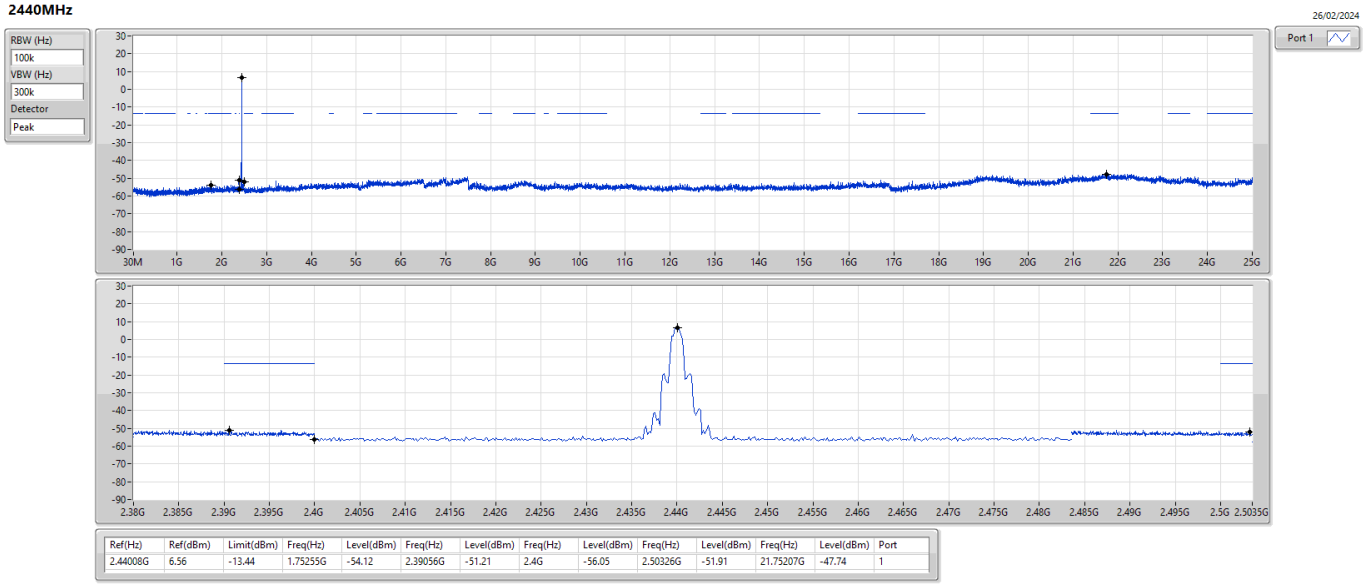
2402MHz



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
2.402G	5.82	-14.18	2.1262G	-53.23	2.39952G	-40.38	2.4G	-46.99	2.50246G	-51.17	21.62271G	-47.49	1

2.4-2.4835GHz_BT-EDR(3Mbps) CSENdB-FS

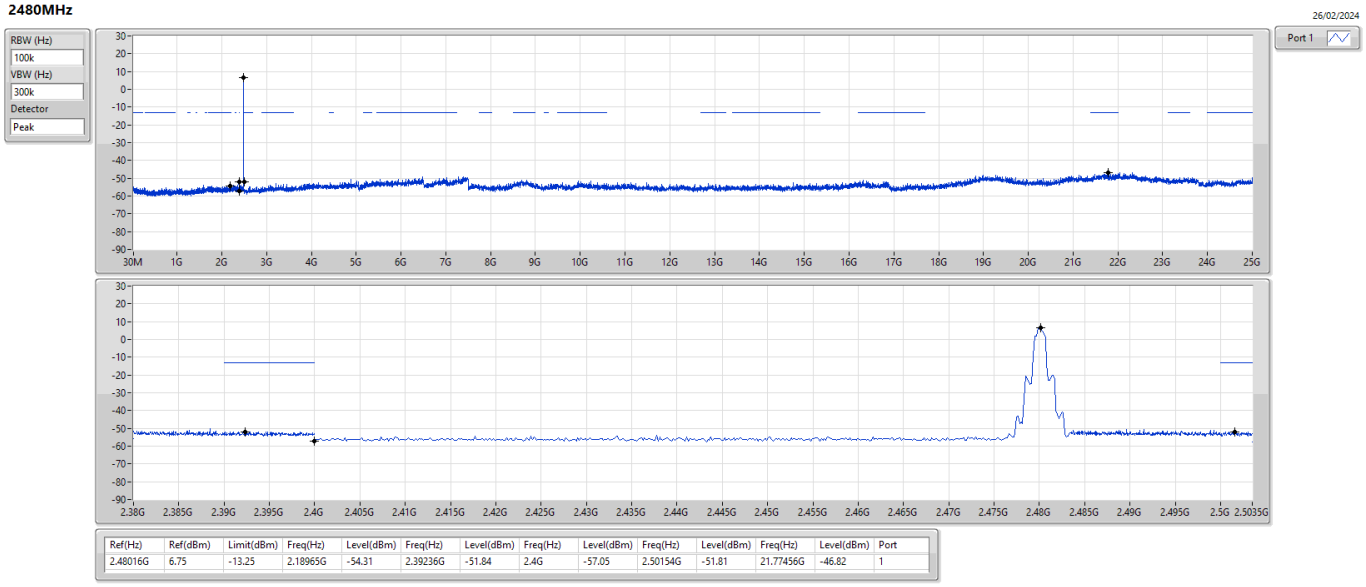
2440MHz



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
2.44008G	6.56	-13.44	1.75255G	-54.12	2.39056G	-51.21	2.4G	-56.05	2.50326G	-51.91	21.75207G	-47.74	1

2.4-2.4835GHz_BT-EDR(3Mbps) CSENdB-FS

2480MHz

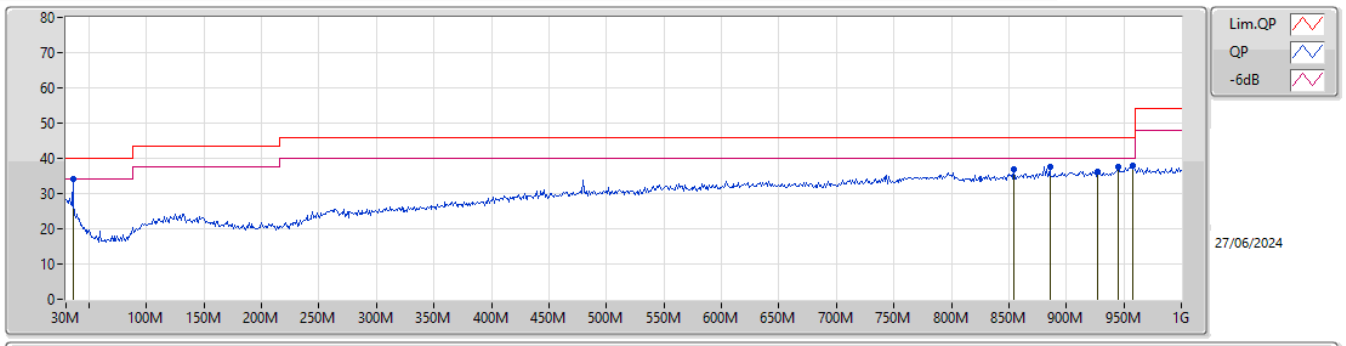


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.48016G	6.75	-13.25	2.18965G	-54.31	2.39236G	-51.84	2.4G	-57.05	2.50154G	-51.81	21.77456G	-46.82	1

Summary

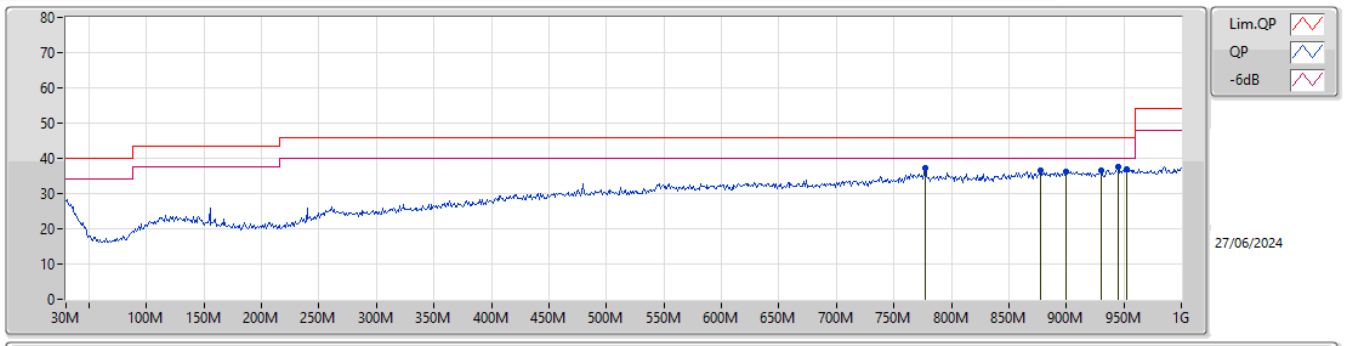
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	35.82M	34.09	40.00	-5.91	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	35.82M	34.09	40.00	-5.91	-9.13	3	Vertical	18	1.50	"Worst"	43.22	21.27	1.10	31.50
PK	854.5M	36.87	46.00	-9.13	-0.59	3	Vertical	80	3.00	-	37.46	26.10	5.63	32.32
PK	885.54M	37.49	46.00	-8.51	-0.21	3	Vertical	322	1.25	-	37.70	26.37	5.77	32.35
PK	927.25M	36.21	46.00	-9.79	0.04	3	Vertical	185	1.25	-	36.17	26.45	5.92	32.33
PK	944.71M	37.65	46.00	-8.35	0.25	3	Vertical	179	1.25	-	37.40	26.59	5.97	32.31
PK	958.29M	37.98	46.00	-8.02	0.42	3	Vertical	26	2.00	-	37.56	26.72	6.01	32.31

Mode 1



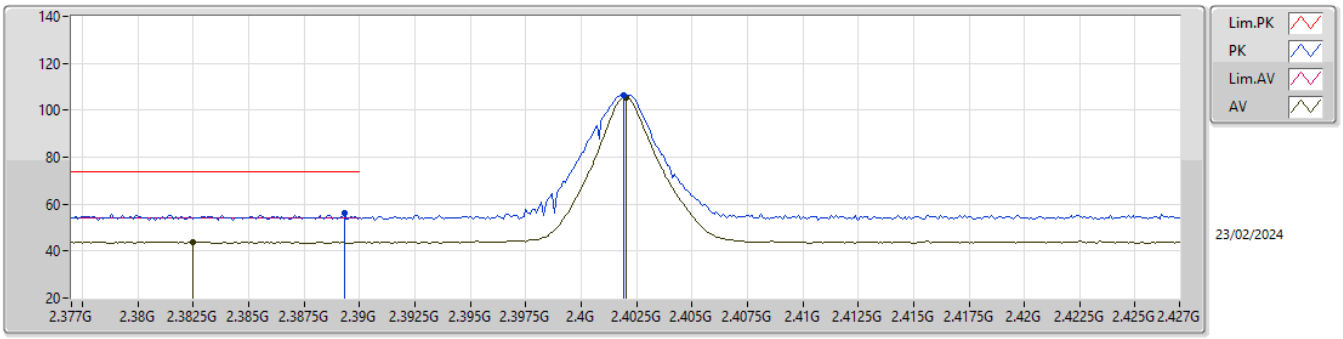
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	776.9M	37.37	46.00	-8.63	-1.37	3	Horizontal	338	3.00	-	38.74	25.64	5.34	32.35
PK	877.78M	36.38	46.00	-9.62	-0.30	3	Horizontal	314	1.25	-	36.68	26.30	5.74	32.34
PK	900.09M	36.29	46.00	-9.71	-0.12	3	Horizontal	129	2.00	-	36.41	26.41	5.84	32.37
PK	930M	36.58	46.00	-9.42	0.04	3	Horizontal	349	3.00	-	36.54	26.45	5.92	32.33
PK	944.71M	37.65	46.00	-8.35	0.25	3	Horizontal	343	1.00	"Worst"	37.40	26.59	5.97	32.31
PK	952.47M	36.85	46.00	-9.15	0.32	3	Horizontal	310	3.00	-	36.53	26.63	5.99	32.30

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	2.4835G	50.84	54.00	-3.16	3	Vertical	103	1.76	-

2.4-2.4835GHz_BT-BR(1Mbps)

2402MHz_TX

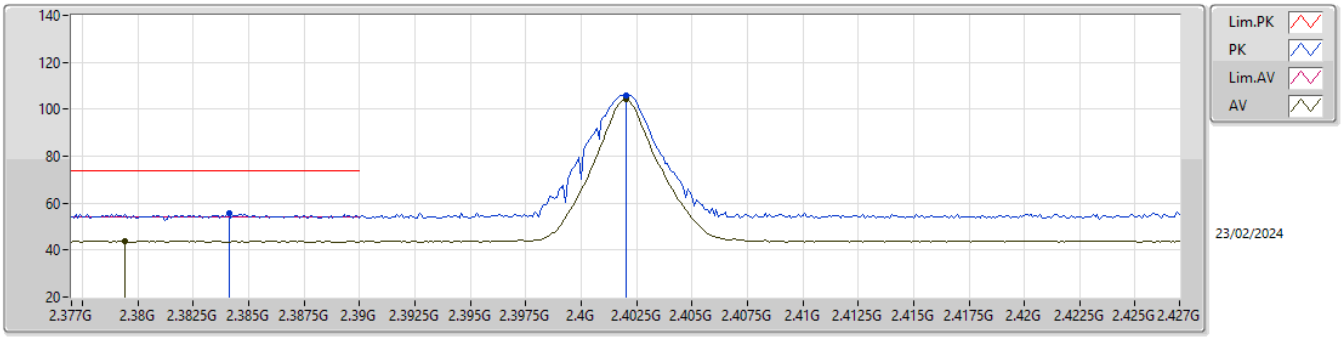


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3893G	56.16	74.00	-17.84	25.41	3	Vertical	89	1.14	-	27.40	3.35	-
AV	2.3825G	43.84	54.00	-10.16	13.10	3	Vertical	89	1.14	-	27.40	3.34	-
PK	2.4019G	106.57	Inf	-Inf	75.72	3	Vertical	89	1.14	-	27.50	3.35	-
AV	2.402G	105.53	Inf	-Inf	74.68	3	Vertical	89	1.14	-	27.50	3.35	-

2.4-2.4835GHz_BT-BR(1Mbps)

2402MHz_TX

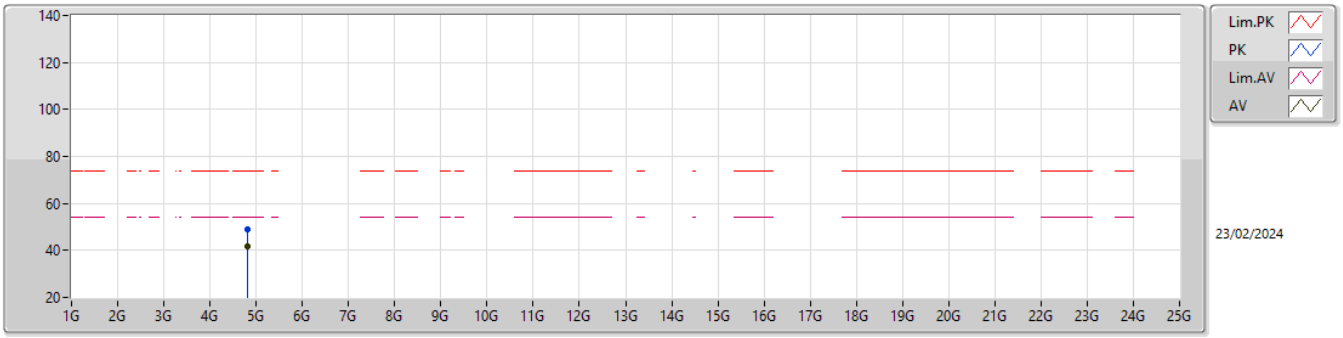


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3841G	55.48	74.00	-18.52	24.74	3	Horizontal	39	1.08	-	27.40	3.34	-
AV	2.3794G	43.99	54.00	-10.01	13.24	3	Horizontal	39	1.08	-	27.41	3.34	-
PK	2.402G	106.11	Inf	-Inf	75.26	3	Horizontal	39	1.08	-	27.50	3.35	-
AV	2.402G	104.06	Inf	-Inf	73.21	3	Horizontal	39	1.08	-	27.50	3.35	-

2.4-2.4835GHz_BT-BR(1Mbps)

2402MHz_TX

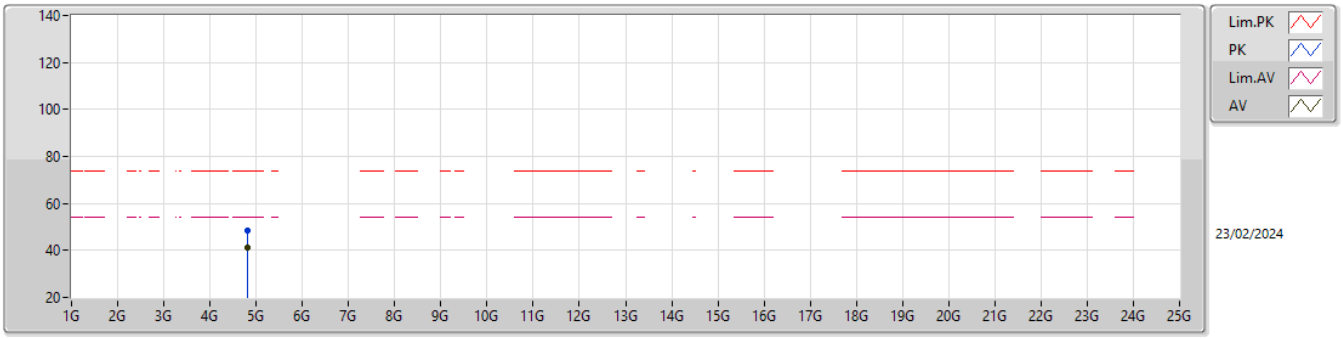


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.80362G	49.01	74.00	-24.99	44.33	3	Vertical	110	1.44	-	32.31	5.65	33.28
AV	4.80391G	41.67	54.00	-12.33	36.99	3	Vertical	110	1.44	-	32.31	5.65	33.28

2.4-2.4835GHz_BT-BR(1Mbps)

2402MHz_TX

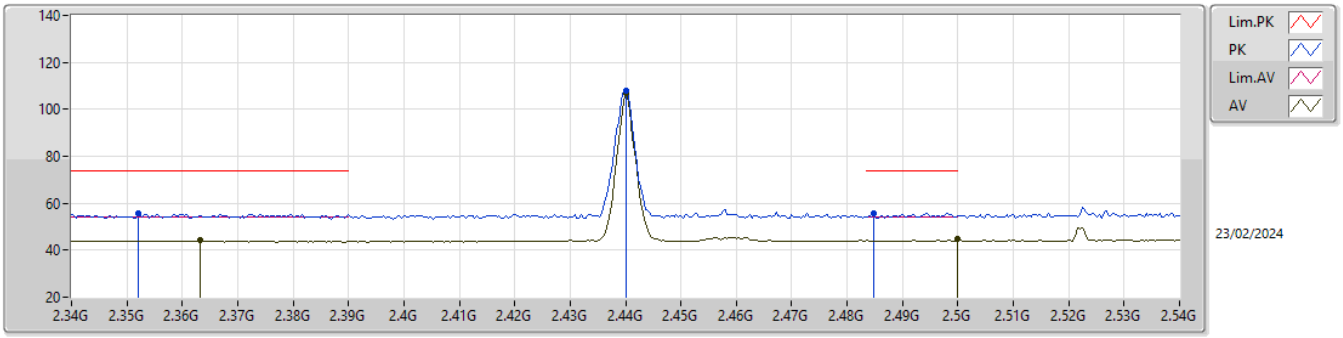


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.8039G	48.60	74.00	-25.40	43.92	3	Horizontal	174	2.89	-	32.31	5.65	33.28
AV	4.80384G	41.32	54.00	-12.68	36.64	3	Horizontal	174	2.89	-	32.31	5.65	33.28

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_TX

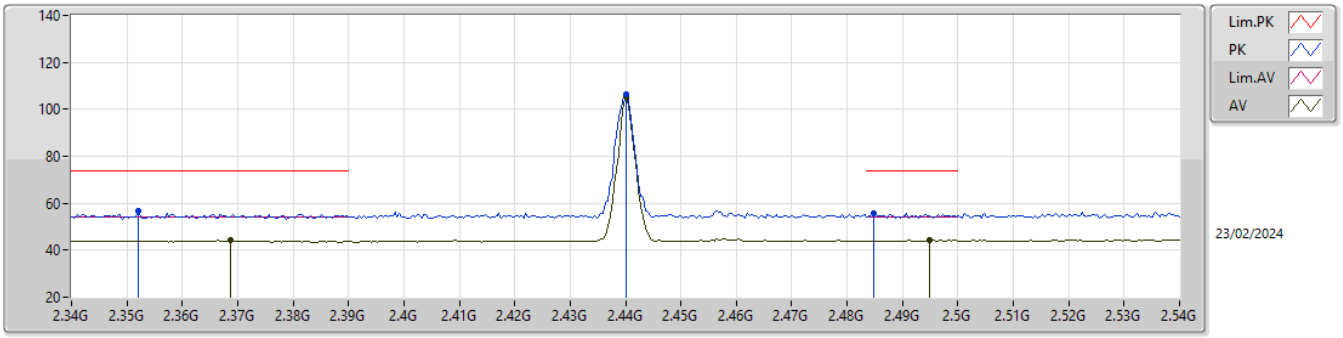


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.352G	55.87	74.00	-18.13	25.14	3	Vertical	92	1.02	-	27.40	3.33	-
AV	2.3632G	44.08	54.00	-9.92	13.31	3	Vertical	92	1.02	-	27.43	3.34	-
PK	2.44G	107.79	Inf	-Inf	76.82	3	Vertical	92	1.02	-	27.60	3.37	-
AV	2.44G	106.66	Inf	-Inf	75.69	3	Vertical	92	1.02	-	27.60	3.37	-
PK	2.4848G	55.91	74.00	-18.09	24.86	3	Vertical	92	1.02	-	27.65	3.40	-
AV	2.5G	44.63	54.00	-9.37	13.52	3	Vertical	92	1.02	-	27.70	3.41	-

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_TX

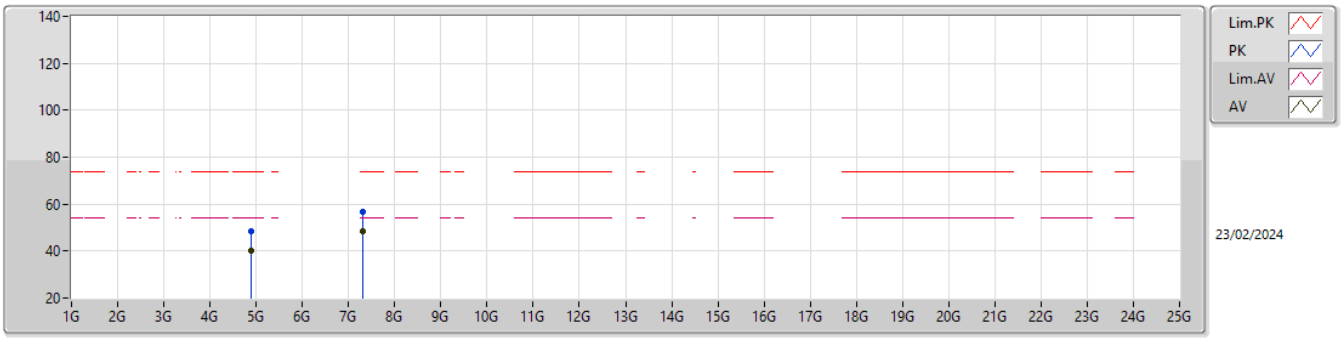


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.352G	56.54	74.00	-17.46	25.81	3	Horizontal	42	2.80	-	27.40	3.33	-
AV	2.3688G	44.10	54.00	-9.90	13.27	3	Horizontal	42	2.80	-	27.49	3.34	-
PK	2.44G	106.30	Inf	-Inf	75.33	3	Horizontal	42	2.80	-	27.60	3.37	-
AV	2.44G	105.25	Inf	-Inf	74.28	3	Horizontal	42	2.80	-	27.60	3.37	-
PK	2.4848G	55.75	74.00	-18.25	24.70	3	Horizontal	42	2.80	-	27.65	3.40	-
AV	2.4948G	44.27	54.00	-9.73	13.17	3	Horizontal	42	2.80	-	27.70	3.40	-

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_TX

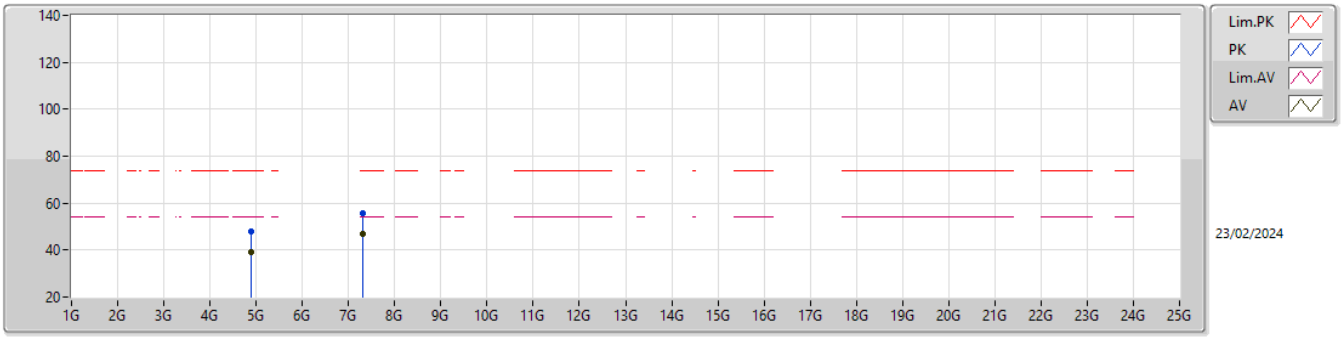


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87971G	48.67	74.00	-25.33	43.68	3	Vertical	100	1.38	-	32.52	5.72	33.25
AV	4.87985G	40.42	54.00	-13.58	35.43	3	Vertical	100	1.38	-	32.52	5.72	33.25
PK	7.32037G	56.62	74.00	-17.38	46.39	3	Vertical	177	2.24	-	37.20	7.13	34.10
AV	7.31994G	48.41	54.00	-5.59	38.18	3	Vertical	177	2.24	-	37.20	7.13	34.10

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_TX

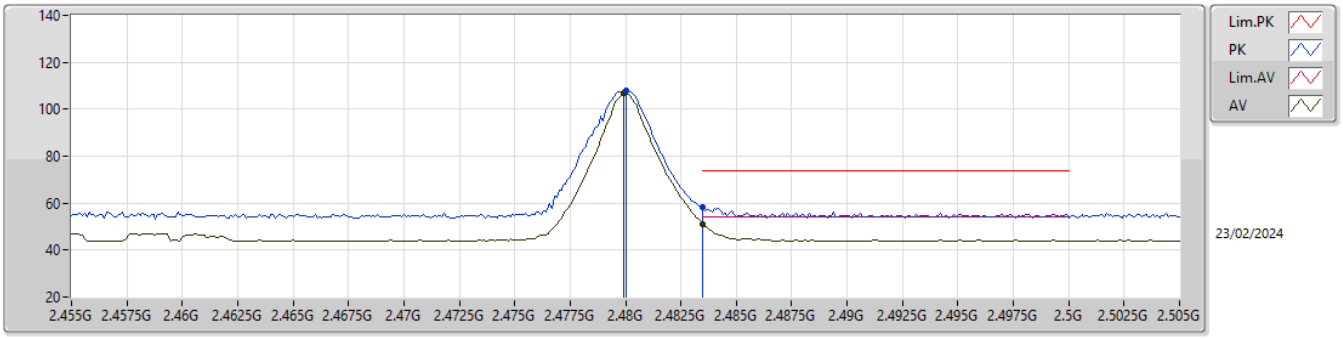


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.87977G	48.09	74.00	-25.91	43.10	3	Horizontal	170	1.01	-	32.52	5.72	33.25
AV	4.87991G	39.26	54.00	-14.74	34.27	3	Horizontal	170	1.01	-	32.52	5.72	33.25
PK	7.3205G	55.49	74.00	-18.51	45.26	3	Horizontal	30	1.05	-	37.20	7.13	34.10
AV	7.32004G	46.75	54.00	-7.25	36.52	3	Horizontal	30	1.05	-	37.20	7.13	34.10

2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX

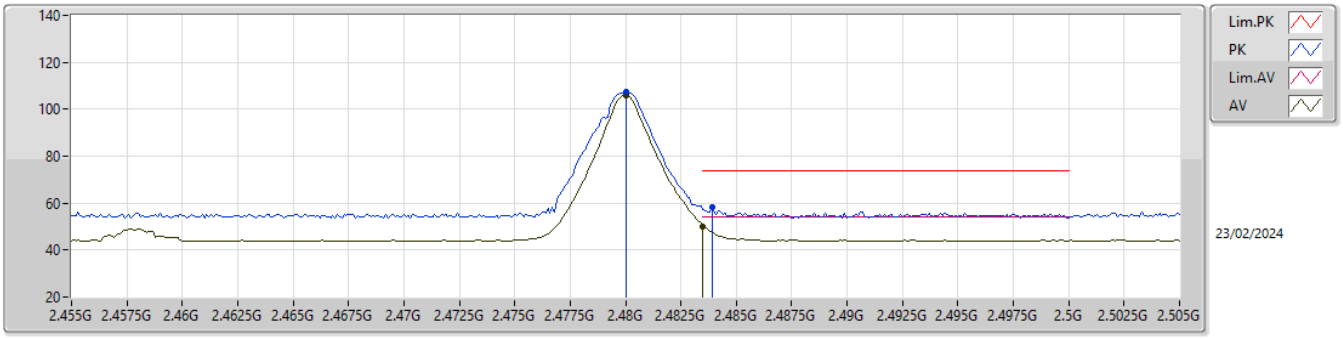


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.48G	108.02	Inf	-Inf	77.03	3	Vertical	103	1.76	-	27.60	3.39	-
AV	2.4799G	106.66	Inf	-Inf	75.67	3	Vertical	103	1.76	-	27.60	3.39	-
PK	2.4835G	58.10	74.00	-15.90	27.06	3	Vertical	103	1.76	-	27.64	3.40	-
AV	2.4835G	50.84	54.00	-3.16	19.80	3	Vertical	103	1.76	-	27.64	3.40	-

2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX

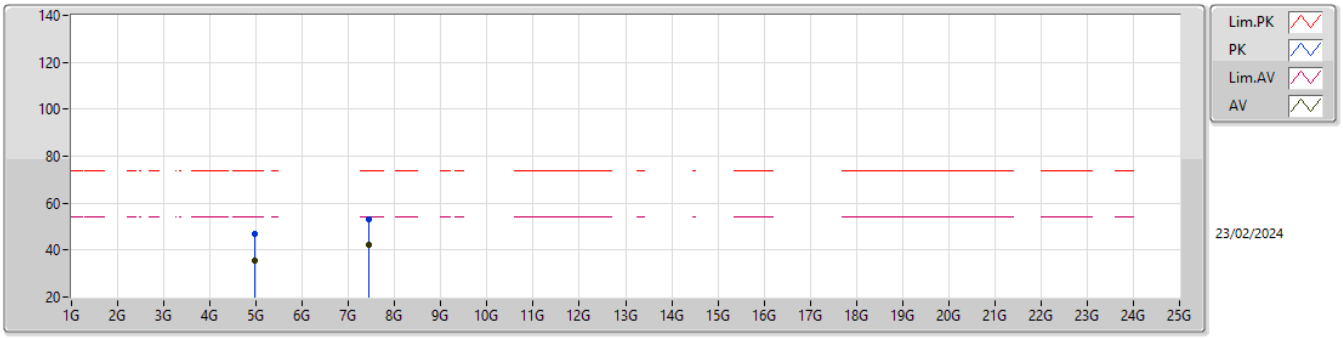


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.48G	107.34	Inf	-Inf	76.35	3	Horizontal	55	2.66	-	27.60	3.39	-
AV	2.48G	106.11	Inf	-Inf	75.12	3	Horizontal	55	2.66	-	27.60	3.39	-
PK	2.4839G	58.03	74.00	-15.97	26.99	3	Horizontal	55	2.66	-	27.64	3.40	-
AV	2.4835G	50.11	54.00	-3.89	19.07	3	Horizontal	55	2.66	-	27.64	3.40	-

2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX

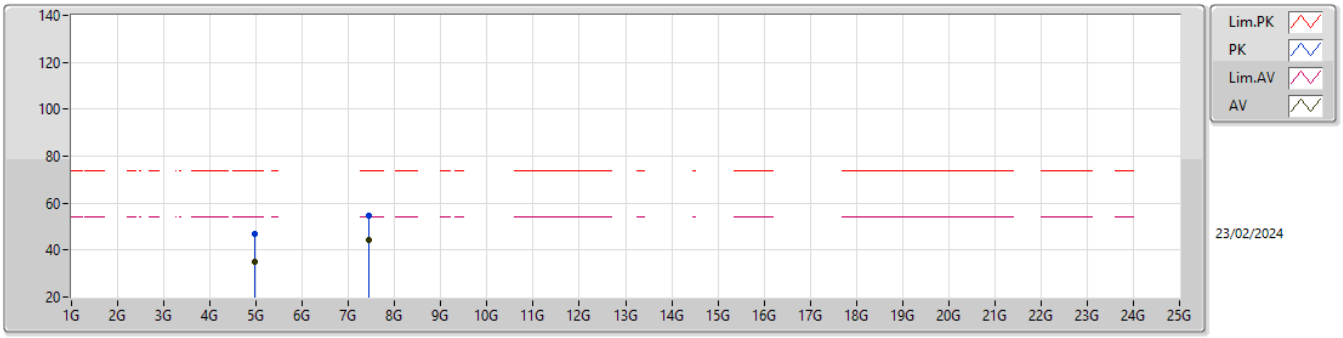


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.95965G	46.86	74.00	-27.14	41.59	3	Vertical	100	1.49	-	32.70	5.79	33.22
AV	4.96004G	35.45	54.00	-18.55	30.18	3	Vertical	100	1.49	-	32.70	5.79	33.22
PK	7.43946G	53.21	74.00	-20.79	42.95	3	Vertical	100	1.49	-	37.20	7.21	34.15
AV	7.43963G	42.02	54.00	-11.98	31.76	3	Vertical	100	1.49	-	37.20	7.21	34.15

2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX

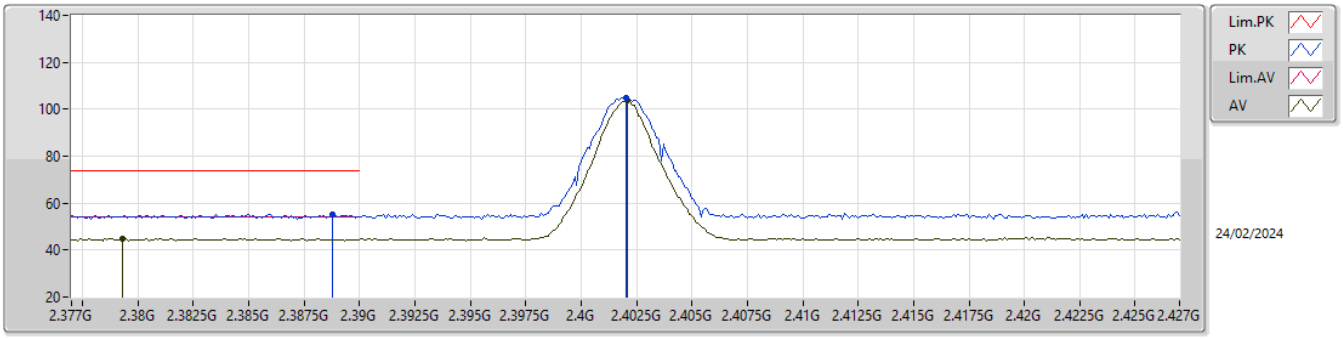


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.96081G	46.79	74.00	-27.21	41.52	3	Horizontal	5	1.03	-	32.70	5.79	33.22
AV	4.96003G	35.02	54.00	-18.98	29.75	3	Horizontal	5	1.03	-	32.70	5.79	33.22
PK	7.43935G	54.63	74.00	-19.37	44.37	3	Horizontal	13	1.02	-	37.20	7.21	34.15
AV	7.4394G	44.22	54.00	-9.78	33.96	3	Horizontal	13	1.02	-	37.20	7.21	34.15

2.4-2.4835GHz_BT-EDR(3Mbps)

2402MHz_TX

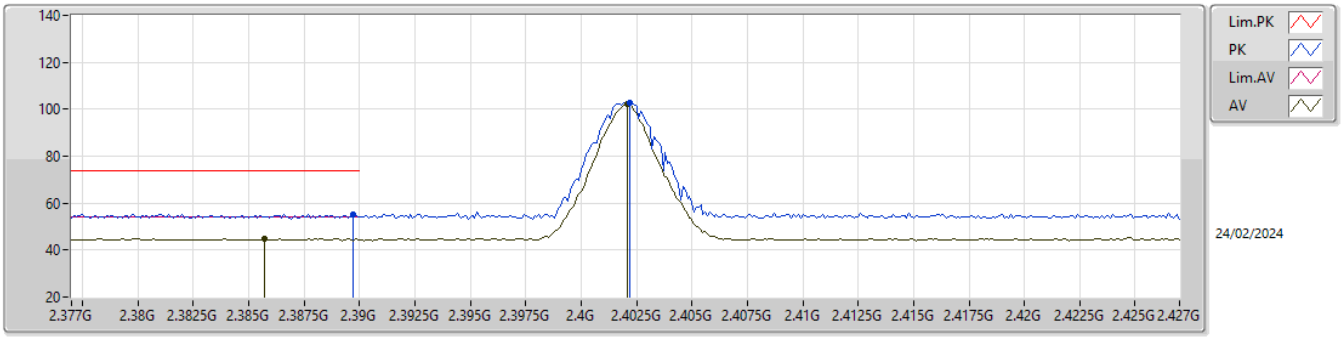


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3888G	55.37	74.00	-18.63	24.62	3	Vertical	93	1.12	-	27.40	3.35	-
AV	2.3793G	44.94	54.00	-9.06	14.19	3	Vertical	93	1.12	-	27.41	3.34	-
PK	2.402G	104.78	Inf	-Inf	73.93	3	Vertical	93	1.12	-	27.50	3.35	-
AV	2.4021G	103.68	Inf	-Inf	72.83	3	Vertical	93	1.12	-	27.50	3.35	-

2.4-2.4835GHz_BT-EDR(3Mbps)

2402MHz_TX

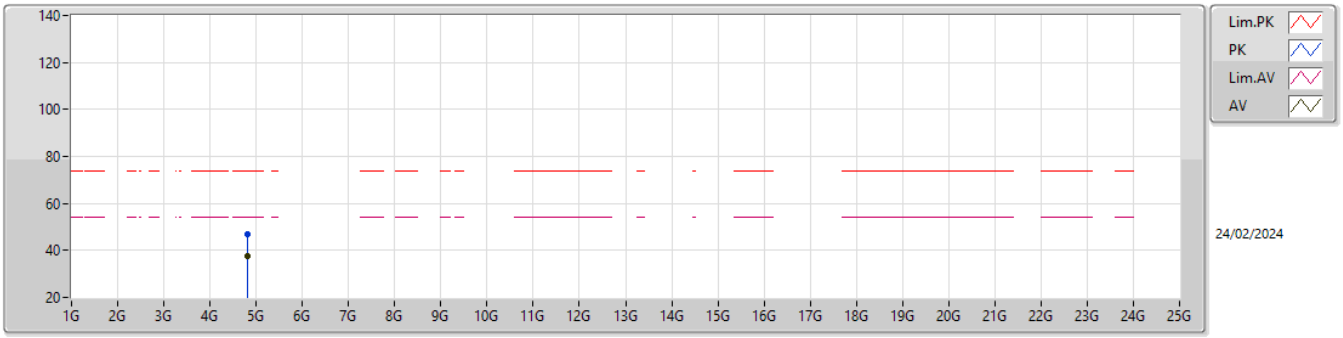


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3897G	55.30	74.00	-18.70	24.55	3	Horizontal	45	1.26	-	27.40	3.35	-
AV	2.3857G	44.84	54.00	-9.16	14.10	3	Horizontal	45	1.26	-	27.40	3.34	-
PK	2.4022G	102.79	Inf	-Inf	71.94	3	Horizontal	45	1.26	-	27.50	3.35	-
AV	2.4021G	102.32	Inf	-Inf	71.47	3	Horizontal	45	1.26	-	27.50	3.35	-

2.4-2.4835GHz_BT-EDR(3Mbps)

2402MHz_TX

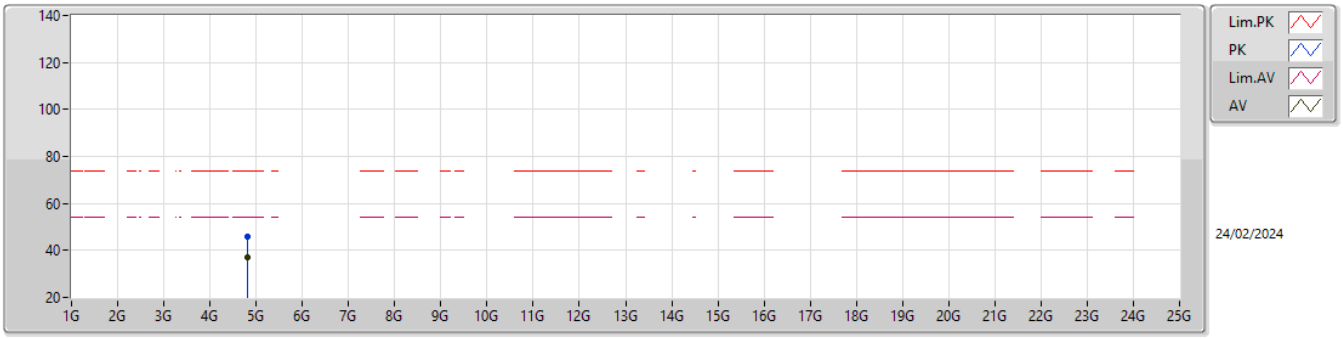


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.80398G	46.79	74.00	-27.21	42.11	3	Vertical	105	1.92	-	32.31	5.65	33.28
AV	4.80384G	37.49	54.00	-16.51	32.81	3	Vertical	105	1.92	-	32.31	5.65	33.28

2.4-2.4835GHz_BT-EDR(3Mbps)

2402MHz_TX

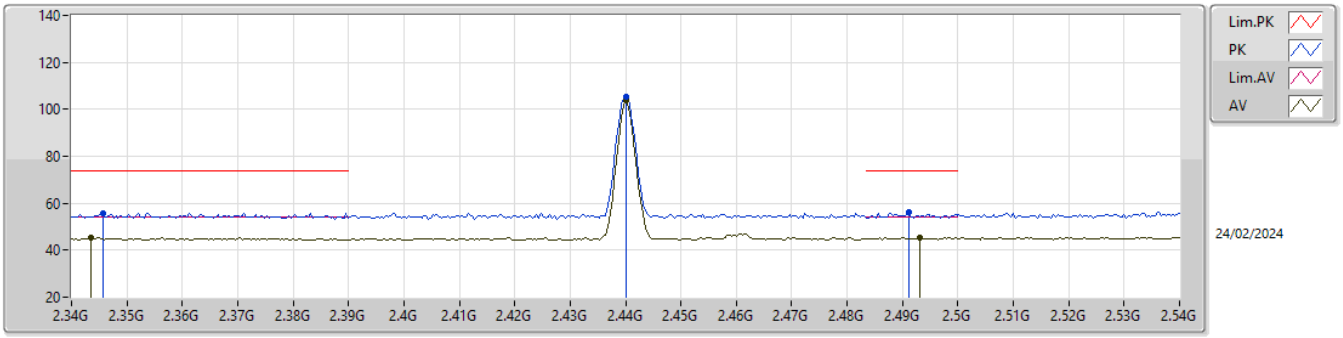


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.80292G	46.03	74.00	-27.97	41.35	3	Horizontal	171	2.87	-	32.31	5.65	33.28
AV	4.80382G	37.27	54.00	-16.73	32.59	3	Horizontal	171	2.87	-	32.31	5.65	33.28

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz_TX

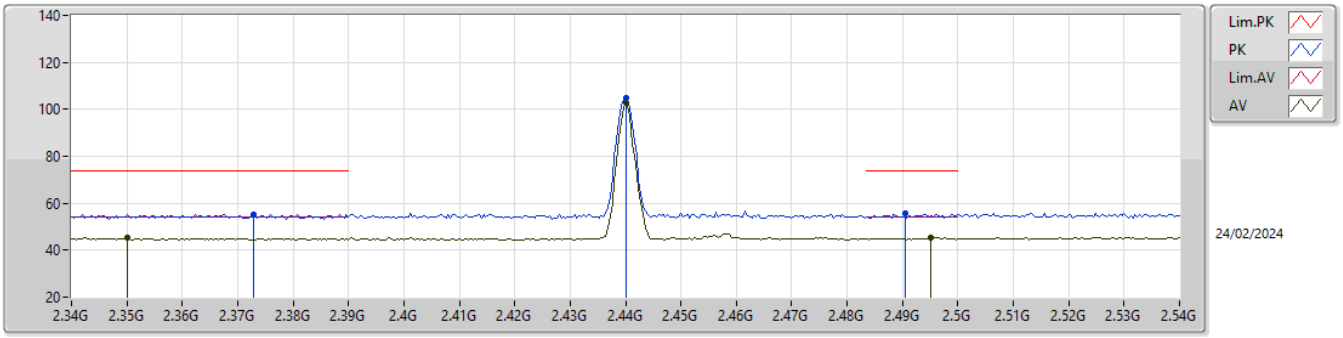


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3456G	55.80	74.00	-18.20	25.07	3	Vertical	90	1.02	-	27.40	3.33	-
AV	2.3436G	45.26	54.00	-8.74	14.53	3	Vertical	90	1.02	-	27.40	3.33	-
PK	2.44G	105.17	Inf	-Inf	74.20	3	Vertical	90	1.02	-	27.60	3.37	-
AV	2.44G	103.54	Inf	-Inf	72.57	3	Vertical	90	1.02	-	27.60	3.37	-
PK	2.4912G	56.18	74.00	-17.82	25.08	3	Vertical	90	1.02	-	27.70	3.40	-
AV	2.4932G	45.28	54.00	-8.72	14.18	3	Vertical	90	1.02	-	27.70	3.40	-

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz_TX

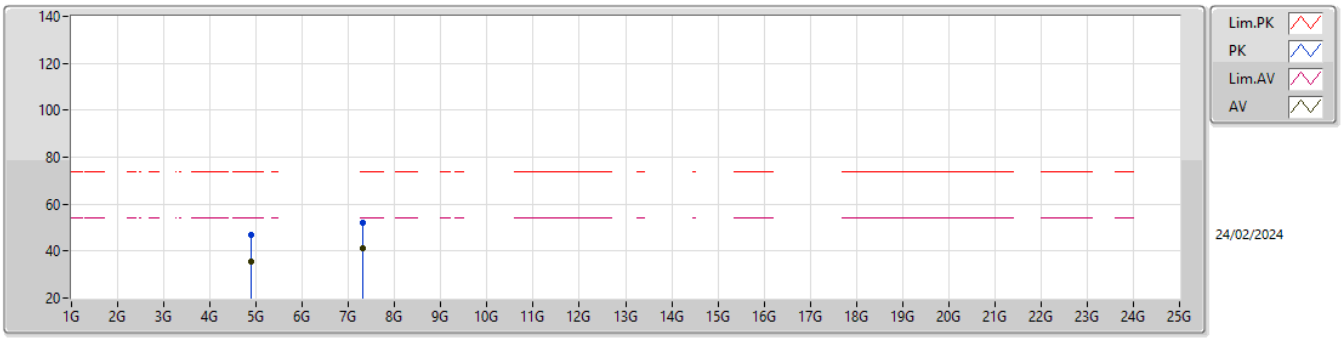


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.3728G	55.26	74.00	-18.74	24.45	3	Horizontal	38	2.77	-	27.47	3.34	-
AV	2.35G	45.41	54.00	-8.59	14.68	3	Horizontal	38	2.77	-	27.40	3.33	-
PK	2.44G	104.68	Inf	-Inf	73.71	3	Horizontal	38	2.77	-	27.60	3.37	-
AV	2.44G	102.94	Inf	-Inf	71.97	3	Horizontal	38	2.77	-	27.60	3.37	-
PK	2.4904G	55.55	74.00	-18.45	24.45	3	Horizontal	38	2.77	-	27.70	3.40	-
AV	2.4952G	45.35	54.00	-8.65	14.25	3	Horizontal	38	2.77	-	27.70	3.40	-

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz_TX

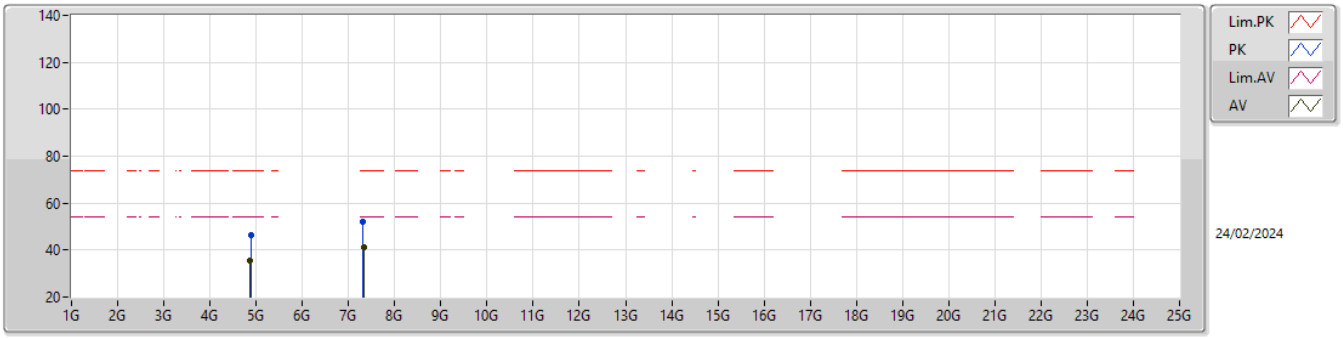


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.88386G	46.82	74.00	-27.18	41.80	3	Vertical	164	1.65	-	32.54	5.73	33.25
AV	4.8796G	35.42	54.00	-18.58	30.43	3	Vertical	164	1.65	-	32.52	5.72	33.25
PK	7.31942G	52.04	74.00	-21.96	41.81	3	Vertical	333	1.01	-	37.20	7.13	34.10
AV	7.3163G	41.27	54.00	-12.73	31.05	3	Vertical	333	1.01	-	37.20	7.12	34.10

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz_TX

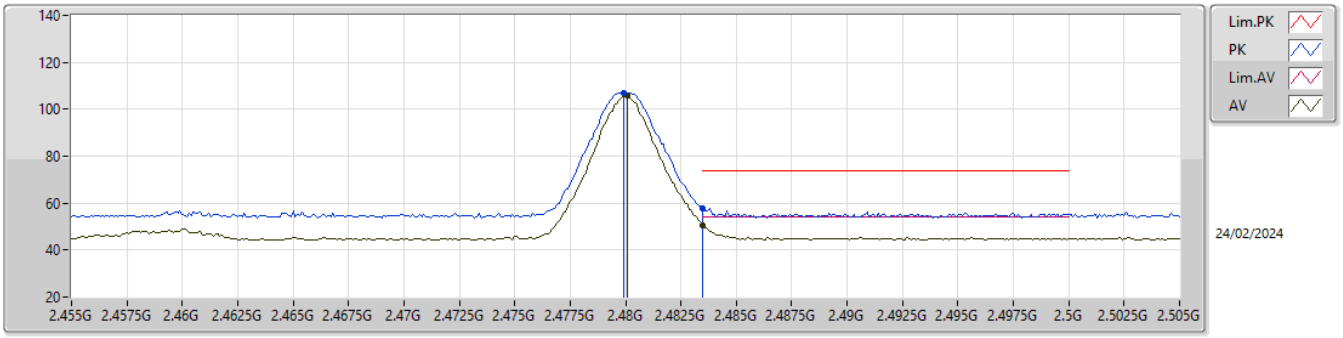


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.88064G	46.20	74.00	-27.80	41.21	3	Horizontal	327	2.20	-	32.52	5.72	33.25
AV	4.87658G	35.44	54.00	-18.56	30.46	3	Horizontal	327	2.20	-	32.51	5.72	33.25
PK	7.32168G	52.14	74.00	-21.86	41.91	3	Horizontal	347	1.02	-	37.20	7.13	34.10
AV	7.3234G	41.07	54.00	-12.93	30.84	3	Horizontal	347	1.02	-	37.20	7.13	34.10

2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX

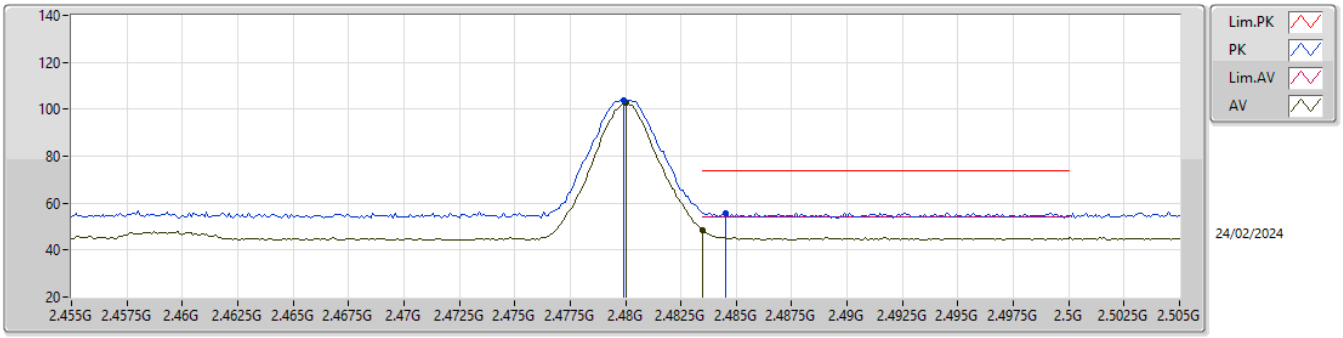


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4799G	106.88	Inf	-Inf	75.89	3	Vertical	98	1.10	-	27.60	3.39	-
AV	2.4801G	105.90	Inf	-Inf	74.91	3	Vertical	98	1.10	-	27.60	3.39	-
PK	2.4835G	57.85	74.00	-16.15	26.81	3	Vertical	98	1.10	-	27.64	3.40	-
AV	2.4835G	50.66	54.00	-3.34	19.62	3	Vertical	98	1.10	-	27.64	3.40	-

2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX

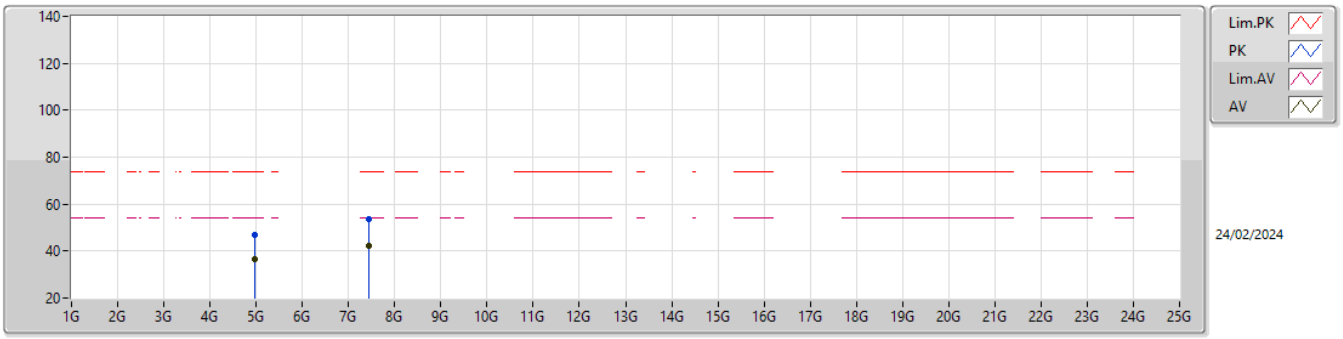


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	2.4799G	103.78	Inf	-Inf	72.79	3	Horizontal	39	3.00	-	27.60	3.39	-
AV	2.48G	102.71	Inf	-Inf	71.72	3	Horizontal	39	3.00	-	27.60	3.39	-
PK	2.4845G	55.85	74.00	-18.15	24.81	3	Horizontal	39	3.00	-	27.64	3.40	-
AV	2.4835G	48.22	54.00	-5.78	17.18	3	Horizontal	39	3.00	-	27.64	3.40	-

2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX

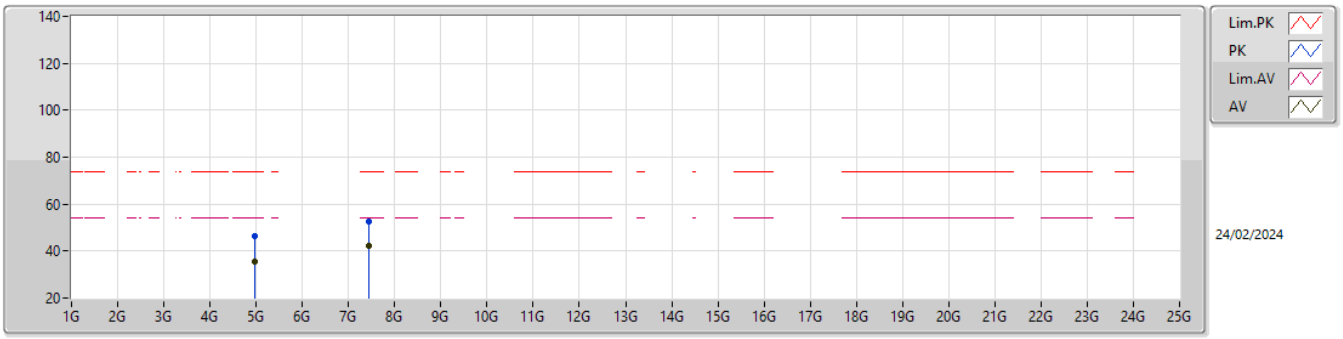


EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.9735G	47.05	74.00	-26.95	41.76	3	Vertical	101	1.43	-	32.70	5.81	33.22
AV	4.9641G	36.30	54.00	-17.70	31.02	3	Vertical	101	1.43	-	32.70	5.80	33.22
PK	7.43548G	53.81	74.00	-20.19	43.54	3	Vertical	360	1.80	-	37.20	7.21	34.14
AV	7.44302G	42.35	54.00	-11.65	32.08	3	Vertical	360	1.80	-	37.20	7.22	34.15

2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX



EUT X_1TX
Setting Default
04-C-Y-1

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	4.96436G	46.45	74.00	-27.55	41.17	3	Horizontal	172	2.12	-	32.70	5.80	33.22
AV	4.9646G	35.70	54.00	-18.30	30.42	3	Horizontal	172	2.12	-	32.70	5.80	33.22
PK	7.44174G	52.49	74.00	-21.51	42.23	3	Horizontal	144	2.90	-	37.20	7.21	34.15
AV	7.44432G	42.02	54.00	-11.98	31.75	3	Horizontal	144	2.90	-	37.20	7.22	34.15