Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	TLZ-XM606
Equipment	:	IEEE 802.11a/b/g/n/ac/ax Wi-Fi with Bluetooth Combo LGA Module
Brand Name	:	AzureWave
Model Name	:	AW-XM606, AW-XM650
Applicant	:	AzureWave Technologies, Inc. 8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231
Manufacturer	:	AzureWave Technologies, Inc. 8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231
Standard	:	47 CFR FCC Part 15.247

The product was received on Mar. 05, 2025, and testing was started from Mar. 20, 2025 and completed on Jun. 09, 2025. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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

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Appendix I. Test Photos

Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR521123AD	01	Initial issue of report	Jun. 26, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	20dB Bandwidth	PASS	-
3.2	15.247(a)	Carrier Frequency Separation	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(a)	Number of Hopping Frequencies and Hopping Band edge	PASS	-
3.5	15.247(a)	Time of Occupancy (Dwell Time)	PASS	-
3.6	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.7	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen
Report Producer: Sandy Chuang

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	ARISTOTLE	RFA-27-JP326MHF4C198	PIFA	I-PEX	Note 1
2	-	ARISTOTLE	RFA-27-JP326-C198	PIFA	I-PEX	

Note 1:

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

Note 2: From the above models, the ant. 1 and ant. 2 are identical excepting the model name. Thus, only ant. 1 is selected to test and record in this report.

Note 3: The above information was declared by manufacturer.

Note 4:

For 2.4GHz function:

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

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

For 5GHz function:

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

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

For 6GHz function:

For IEEE 802.11ax (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)	0.739	1.31	2.881m	1k
BT-EDR(2Mbps)	0.783	1.06	2.884m	500
BT-EDR(3Mbps)	0.769	1.14	2.886m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	From host system
Test Software Version	teraterm.exe (V4.75)

1.1.5 Table for Multiple Listing

Model Name	Chipset Number	Description
AW-XM606	CYW55513	The EUT has two model names which are identical to each other in all aspect except for the chipset solutions. These chipset solutions have the same circuitry, electrical, mechanical, and physical construction.
AW-XM650	CYW55512	

Note 1: From the above models, model: AW-XM606 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.2 Applicable Standards

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

- 47 CFR FCC Part 15.247

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Brian Sun	21.2~22.6 / 58~62	Mar. 31, 2025~ May 20, 2025
Radiated below 1GHz	03CH03-CB	Gordon Hung	21.6~23.1 / 58~62	Jun. 04, 2025
Radiated above 1GHz	03CH01-CB	Viola Huang	21.3~22.3 / 58~61	Mar. 20, 2025~ May 09, 2025
Radiated Co-Location	03CH06-CB	Viola Huang	21.9~23.1 / 60~62	Jun. 03, 2025
AC Conduction	CO01-CB	Tim Chen	22~23 / 58~60	Jun. 09, 2025

1.4 Measurement Uncertainty

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

Test Date: Before May 28, 2025

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 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	2.1 %	Confidence levels of 95%

Test Date: After May 27, 2025

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%

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	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	EUT + Bluetooth + Ant. 1
2	EUT + WLAN 2.4GHz + Ant. 1
3	EUT + WLAN 5GHz + Ant. 1
4	EUT + WLAN 6GHz + Ant. 1
For operating mode 4 is the worst case and it was record in this test report.	

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
1	EUT + Ant. 1

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
	After evaluating, the worst case axis was found as below from the Radiated emission above 1GHz. So the measurement will follow this same test configuration.
1	EUT in X axis + Bluetooth + Ant. 1
2	EUT in X axis + WLAN 2.4GHz + Ant. 1
3	EUT in Y axis + WLAN 5GHz + Ant. 1
4	EUT in X axis + WLAN 6GHz + Ant. 1
For operating mode 4 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	After evaluating, the worst case axis was found as below. 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 - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
After evaluating, the worst case axis was found as below from the Radiated emission above 1GHz. So the measurement will follow this same test configuration.	
1	EUT in X axis + Bluetooth + WLAN 2.4GHz + Ant. 1
2	EUT in Y axis + Bluetooth + WLAN 5GHz + Ant. 1
3	EUT in X axis + Bluetooth + WLAN 6GHz + Ant. 1
For operating mode 2 is the worst case and it was record in this test report.	
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT + Bluetooth + WLAN 2.4GHz + Ant. 1
2	EUT + Bluetooth + WLAN 5GHz + Ant. 1
3	EUT + Bluetooth + WLAN 6GHz + Ant. 1
Refer to Sporton Test Report No.: FA521123 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For Normal Link:

During the test, the EUT operation to normal function.

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

N/A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	Lenovo	X260	N/A
B	Earphone	SHYARO CHI	MIC-04	N/A
C	Mouse	Logitech	M-U0026	N/A
D	USB HUB	INTOPIC	HB-16	N/A
E	Fixture	Azurewave	2460-I4	N/A
F	SD Card	Apacer	SD Card	N/A
G	Fixture	Azurewave	2460-I3	N/A

For Radiated Below 1GHz:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	Fixture	Azurewave	2501-i1	N/A
C	Fixture	Azurewave	2460-I3	N/A
D	SD Card	Apacer	SD Card	N/A
E	Fixture	Azurewave	9007-I13	N/A

For Radiated Above 1GHz:

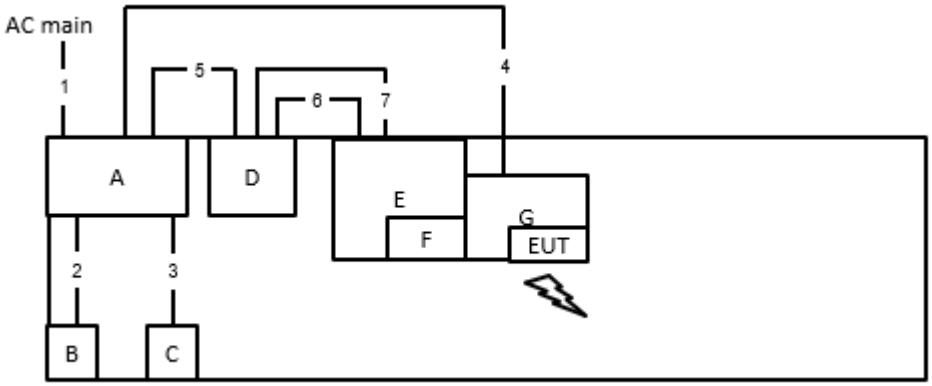
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	USB HUB	TP-Llink	UE306	N/A
C	Fixture	Azurewave	2460-I4	N/A
D	Fixture	Azurewave	2460-I3	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	USB HUB	TP-Llink	UE306	N/A
C	Fixture	Azurewave	2460-I4	N/A
D	Fixture	Azurewave	2460-I3	N/A

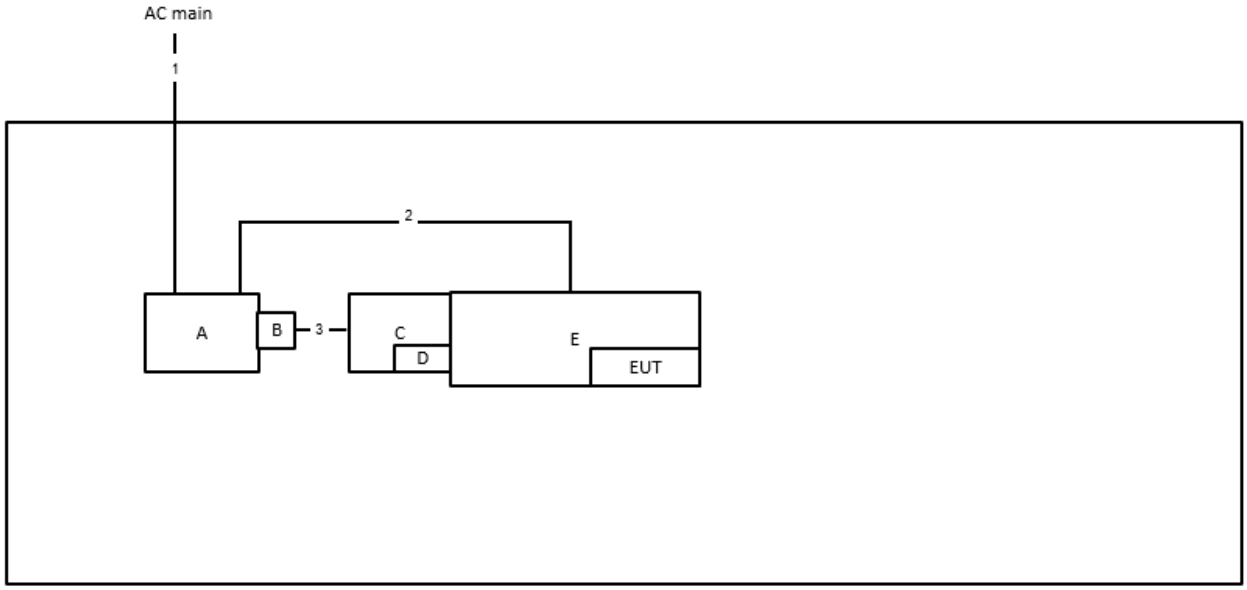
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



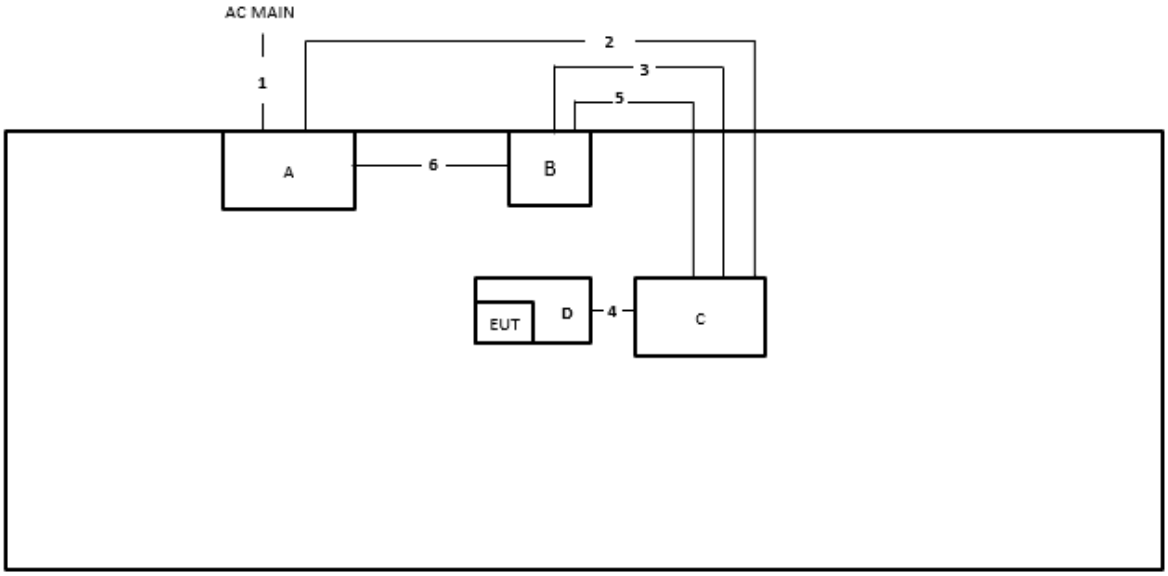
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	Audio cable	No	1.2m
3	USB cable	Yes	1.8m
4	Type C USB cable	Yes	1.2m
5	USB cable	Yes	1.5m
6	Micro USB cable	Yes	1.5m
7	Type C USB cable	Yes	1.5m

Test Setup Diagram - Radiated Test Below 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	Type C USB cable	Yes	1.2m
3	DC cable	No	0.4m

Test Setup Diagram - Radiated Test Above 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	RJ-45 cable	No	1m
3	USB to Type C cable	Yes	1m
4	USB to Type C cable	Yes	1m
5	Micro USB C cable	Yes	1m
6	USB cable	Yes	0.1m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

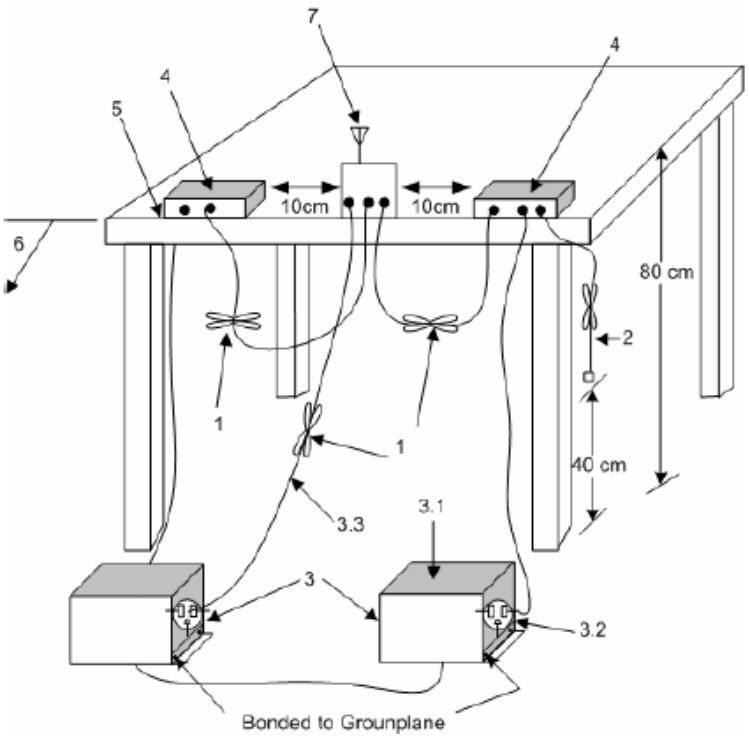
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

1.1.1. Measurement Results Calculation

The measured Level is calculated using:

a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level

b. Margin = -Limit + Level

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 20dB Bandwidth and Carrier Frequency Separation

3.2.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems
▪ 902-928 MHz Band:
▪ N ≥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

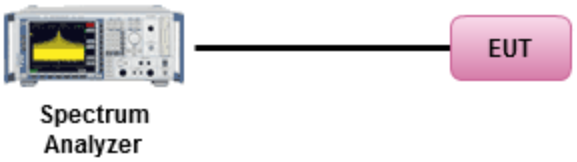
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

20dB Bandwidth and Carrier Frequency Separation


3.2.5 Test Result of 20dB Bandwidth

Refer as Appendix B

3.2.6 Test Result of Carrier Frequency Separation

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit
▪ 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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 7.8.5 for output power measurement.

3.3.4 Test Setup

Maximum Conducted Output Power (Peak Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Number of Hopping Frequencies and Hopping Bandedge

3.4.1 Number of Hopping Frequencies Limit

Number of Hopping Frequencies Limit
▪ 902-928 MHz Band:
▪ N ≥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

3.4.2 Hopping Bandedge Limit

Refer clause 3.6.1 and clause 3.7.1

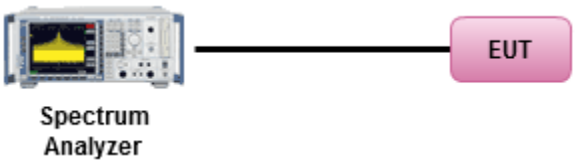
3.4.3 Measuring Instruments

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

3.4.4 Test Procedures

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

3.4.5 Test Setup

Number of Hopping Frequencies and Hopping Frequencies Bandedge


3.4.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

3.5 Time of Occupancy (Dwell Time)

3.5.1 Time of Occupancy (Dwell Time) Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems
▪ 902-928 MHz Band:
▪ N ≥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

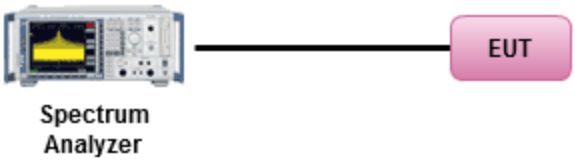
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Time of Occupancy (Dwell Time)


3.5.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix E

3.6 Emissions in Non-restricted Frequency Bands

3.6.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (dBc)**
Peak output power procedure	20
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.	

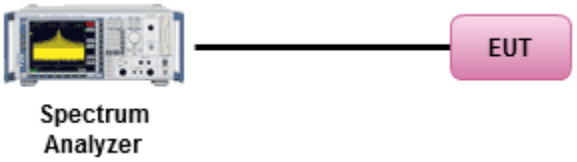
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 7.8.8 for unwanted emissions into non-restricted bands.

3.6.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F

3.7 Emissions in Restricted Frequency Bands

3.7.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements 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.

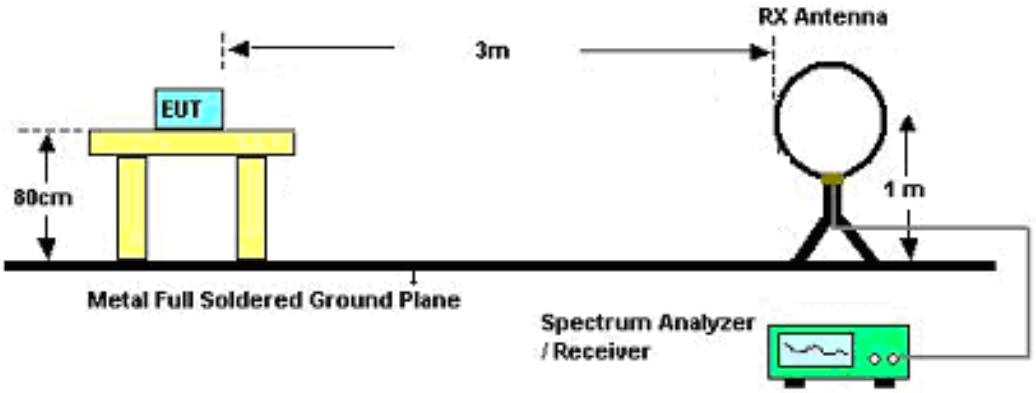
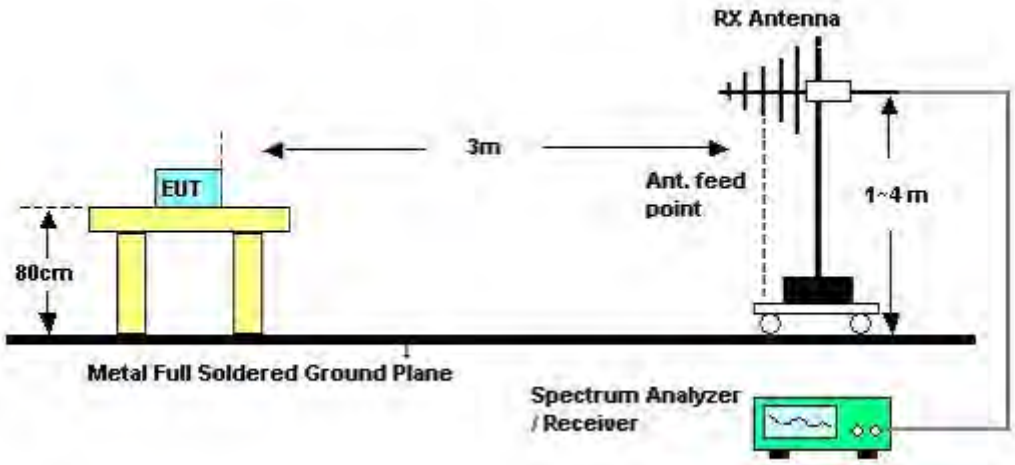
3.7.2 Measuring Instruments

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

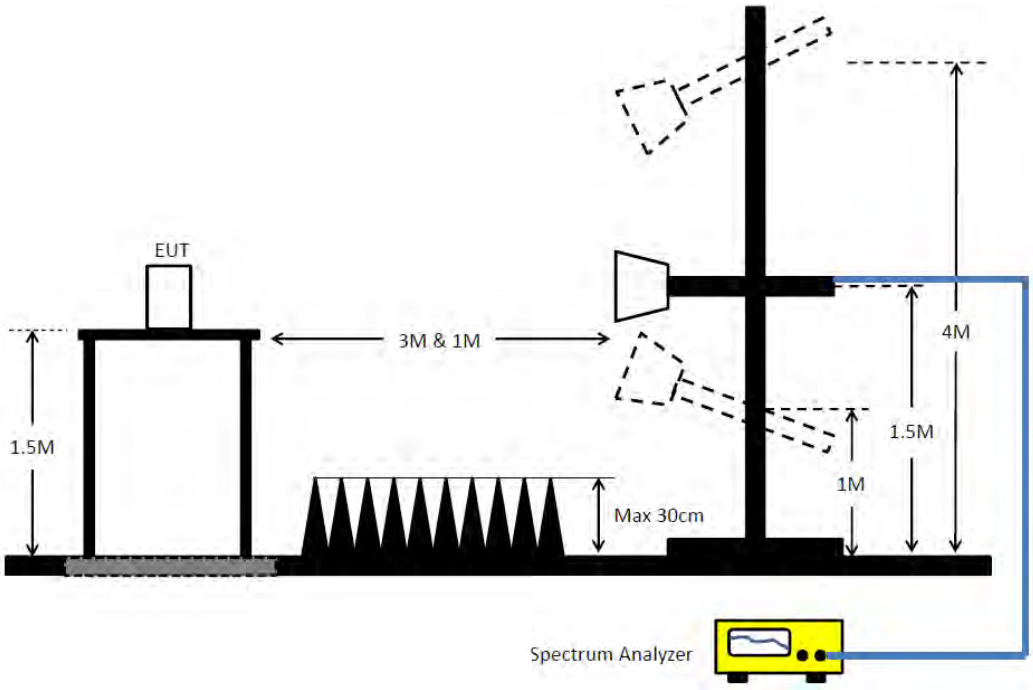
3.7.3 Test Procedures

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.

3.7.4 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.7.5 Measurement Results Calculation

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

3.7.6 Emissions in Restricted Frequency Bands (Below 30MHz)

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

3.7.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 06, 2025	Mar. 05, 2026	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 18, 2025	Feb. 17, 2026	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	May 10, 2025	May 09, 2026	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	CO01	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 17, 2025	Jan. 16, 2026	Radiation (03CH03-CB)
Bilog Antenna with 6dB Attenator	Schaffner & EMCI	CBL6112B& N-6-06	2888&AT-N0605	30MHz ~ 1GHz	Jan. 17, 2025	Jan. 16, 2026	Radiation (03CH03-CB)
Amplifier	EMCI	EMC330N	980332	30M~1GHz	May 01, 2025	Apr. 30, 2026	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 11, 2024	Jun. 10, 2025	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 04, 2024	May 03, 2025	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 03, 2025	May 02, 2026	Radiation (03CH01-CB)
Horn Antenna	ETS·Lindgren	3115	00143147	750MHz~18GHz	Oct. 18, 2024	Oct. 17, 2025	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 17, 2024	May 16, 2025	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Dec. 12, 2024	Dec. 11, 2025	Radiation (03CH01-CB)

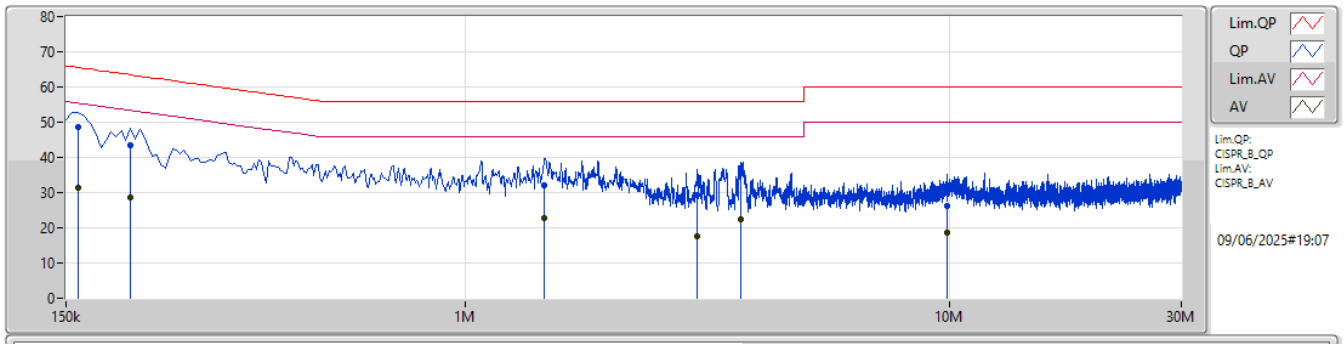
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-15247 _FS	V5.11.23	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 08, 2024	Oct. 07, 2025	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 02, 2024	Nov. 01, 2025	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 20, 2024	Aug. 19, 2025	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 27, 2024	Aug. 26, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1–18 GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH02-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Oct. 25, 2024	Oct. 24, 2025	Conducted (TH02-CB)
Test Software	SPORTON	SENSE-15247 _FS	V5.11.23	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Conducted (TH02-CB)

Note: Calibration Interval of instruments listed above is one year.
N.C.R. means Non-Calibration required.

Summary

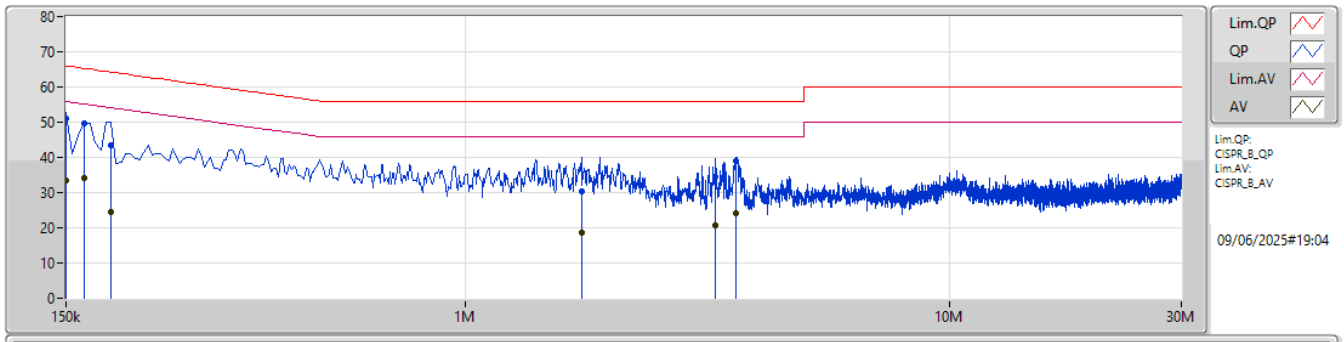
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 4	Pass	QP	150k	50.98	66.00	-15.02	Neutral

Mode 4



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	48.46	65.52	-17.06	10.05	Line	"Worst"	38.41	0.05	0.08	9.92
AV	159k	31.29	55.52	-24.23	10.05	Line	-	21.24	0.05	0.08	9.92
QP	204k	43.30	63.44	-20.14	10.08	Line	-	33.22	0.06	0.07	9.95
AV	204k	28.53	53.44	-24.91	10.08	Line	-	18.45	0.06	0.07	9.95
QP	1.455M	32.22	56.00	-23.78	10.26	Line	-	21.96	0.09	0.12	10.05
AV	1.455M	22.80	46.00	-23.20	10.26	Line	-	12.54	0.09	0.12	10.05
QP	3.012M	29.22	56.00	-26.78	10.18	Line	-	19.04	0.11	0.15	9.92
AV	3.012M	17.65	46.00	-28.35	10.18	Line	-	7.47	0.11	0.15	9.92
QP	3.705M	36.35	56.00	-19.65	10.19	Line	-	26.16	0.13	0.15	9.91
AV	3.705M	22.27	46.00	-23.73	10.19	Line	-	12.08	0.13	0.15	9.91
QP	9.843M	26.36	60.00	-33.64	10.20	Line	-	16.16	0.23	0.15	9.82
AV	9.843M	18.78	50.00	-31.22	10.20	Line	-	8.58	0.23	0.15	9.82

Mode 4



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	50.98	66.00	-15.02	10.07	Neutral	"Worst"	40.91	0.08	0.08	9.91
AV	150k	33.30	56.00	-22.70	10.07	Neutral	-	23.23	0.08	0.08	9.91
QP	163.5k	49.53	65.27	-15.74	10.08	Neutral	-	39.45	0.08	0.08	9.92
AV	163.5k	34.31	55.27	-20.96	10.08	Neutral	-	24.23	0.08	0.08	9.92
QP	186k	43.45	64.20	-20.75	10.09	Neutral	-	33.36	0.08	0.07	9.94
AV	186k	24.51	54.20	-29.69	10.09	Neutral	-	14.42	0.08	0.07	9.94
QP	1.739M	30.35	56.00	-25.65	10.23	Neutral	-	20.12	0.11	0.13	9.99
AV	1.739M	18.72	46.00	-27.28	10.23	Neutral	-	8.49	0.11	0.13	9.99
QP	3.278M	34.54	56.00	-21.46	10.21	Neutral	-	24.33	0.15	0.15	9.91
AV	3.278M	20.71	46.00	-25.29	10.21	Neutral	-	10.50	0.15	0.15	9.91
QP	3.62M	38.92	56.00	-17.08	10.21	Neutral	-	28.71	0.15	0.15	9.91
AV	3.62M	24.28	46.00	-21.72	10.21	Neutral	-	14.07	0.15	0.15	9.91

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)	921.25k	865.962k	866KF1D	918.5k	840.672k
BT-EDR(2Mbps)	1.378M	1.224M	1M22G1D	1.337M	1.2M
BT-EDR(3Mbps)	1.364M	1.223M	1M22G1D	1.309M	1.221M

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

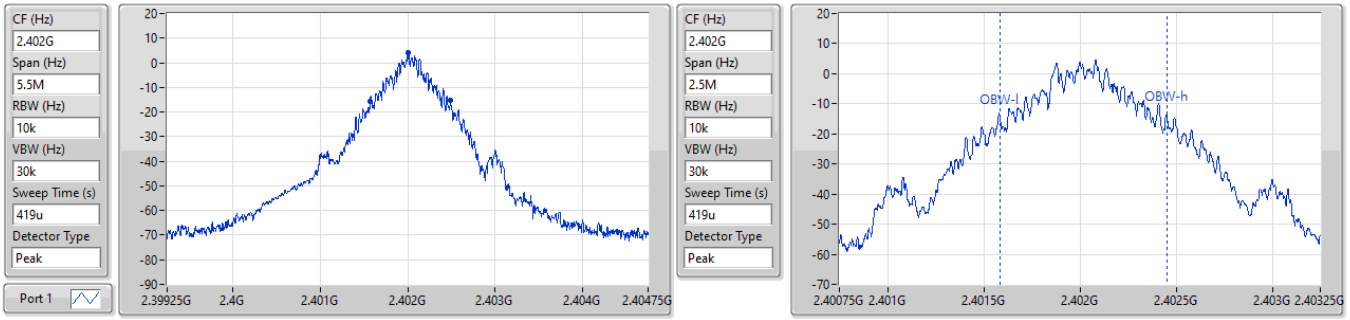
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	918.5k	865.962k
2440MHz	Pass	Inf	918.5k	846.957k
2480MHz	Pass	Inf	921.25k	840.672k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.337M	1.2M
2440MHz	Pass	Inf	1.378M	1.222M
2480MHz	Pass	Inf	1.37M	1.224M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.309M	1.222M
2440MHz	Pass	Inf	1.364M	1.221M
2480MHz	Pass	Inf	1.309M	1.223M

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

16/05/2025

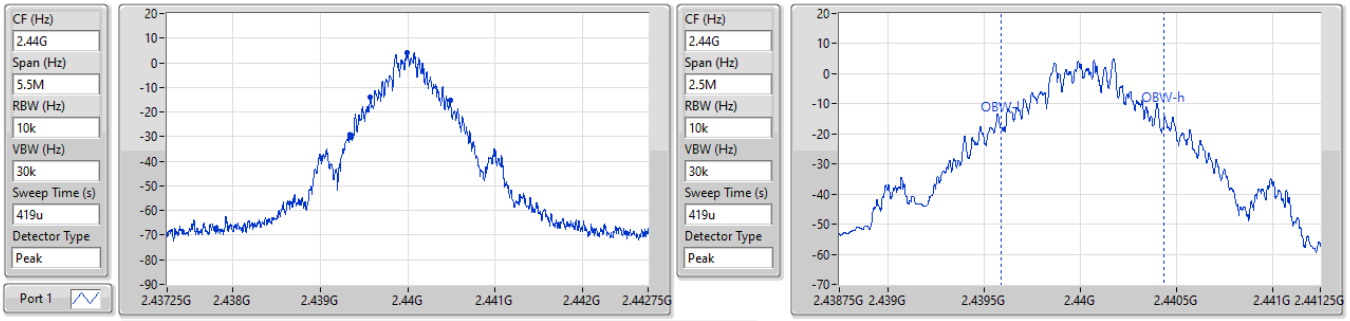


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
918.5k	2.401574G	2.402492G	865.962k	2.401587G	2.402453G	Inf	1

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

2440MHz

16/05/2025

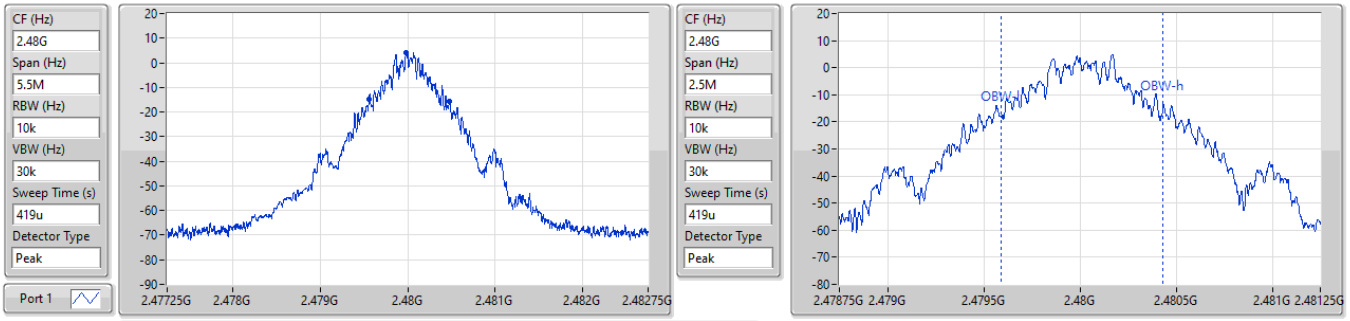


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
918.5k	2.439568G	2.440487G	846.957k	2.439592G	2.440439G	Inf	1

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

2480MHz

16/05/2025

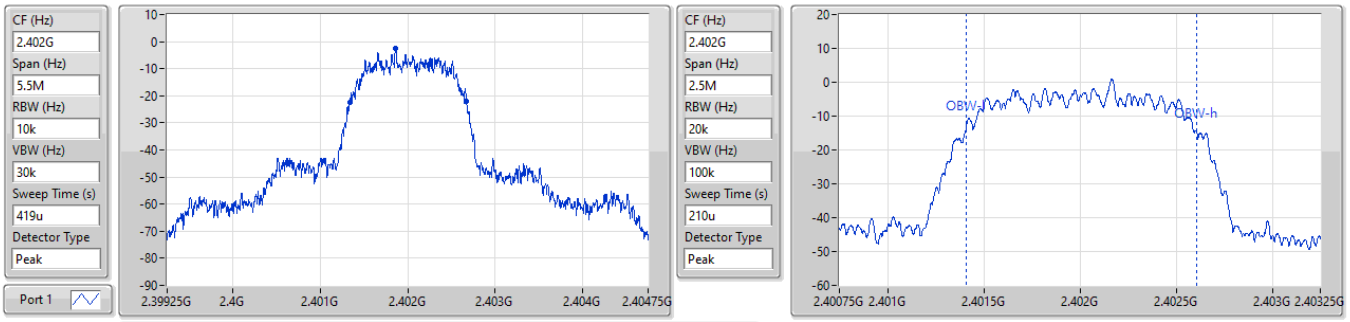


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
921.25k	2.47956G	2.480481G	840.672k	2.479592G	2.480433G	Inf	1

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

2402MHz

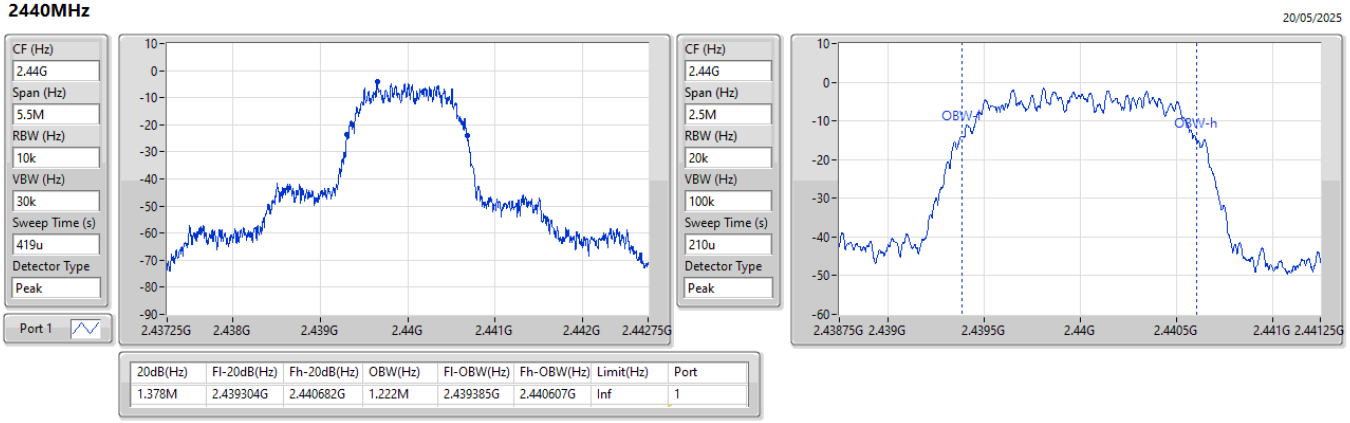
20/05/2025



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.337M	2.401337G	2.402674G	1.2M	2.40141G	2.40261G	Inf	1

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

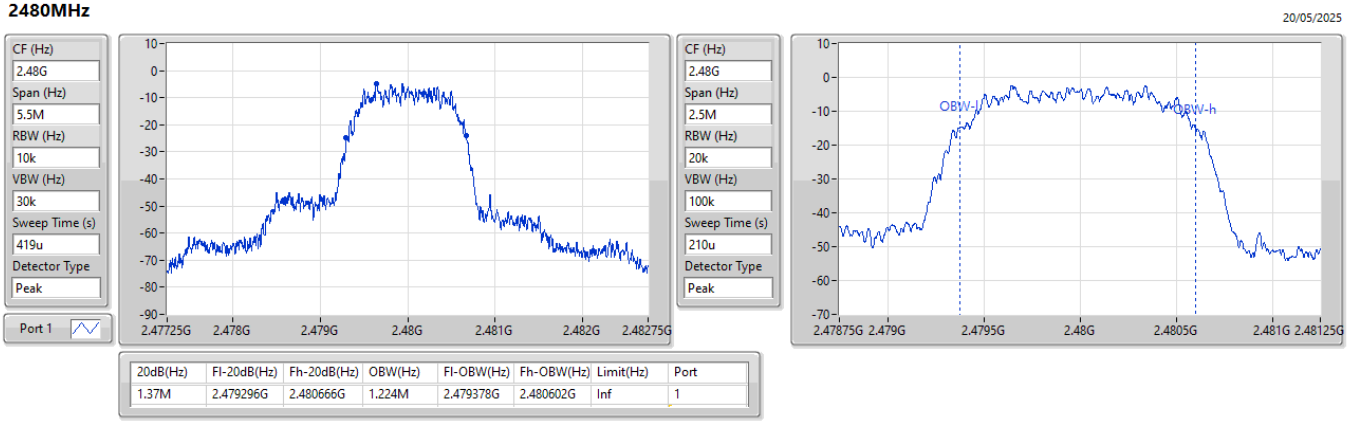
2440MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.378M	2.439304G	2.440682G	1.222M	2.439385G	2.440607G	Inf	1

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

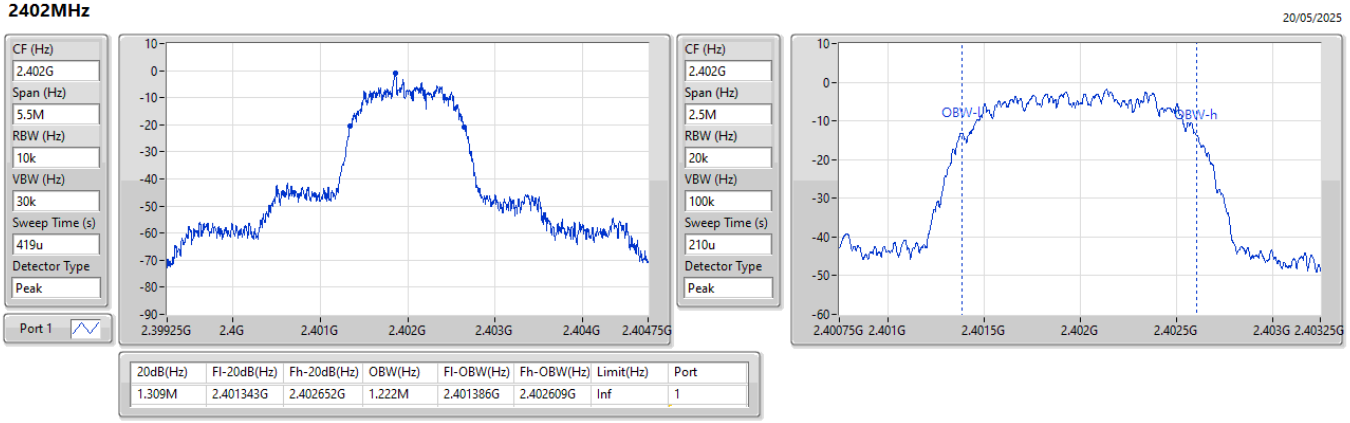
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.37M	2.479296G	2.480666G	1.224M	2.479378G	2.480602G	Inf	1

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

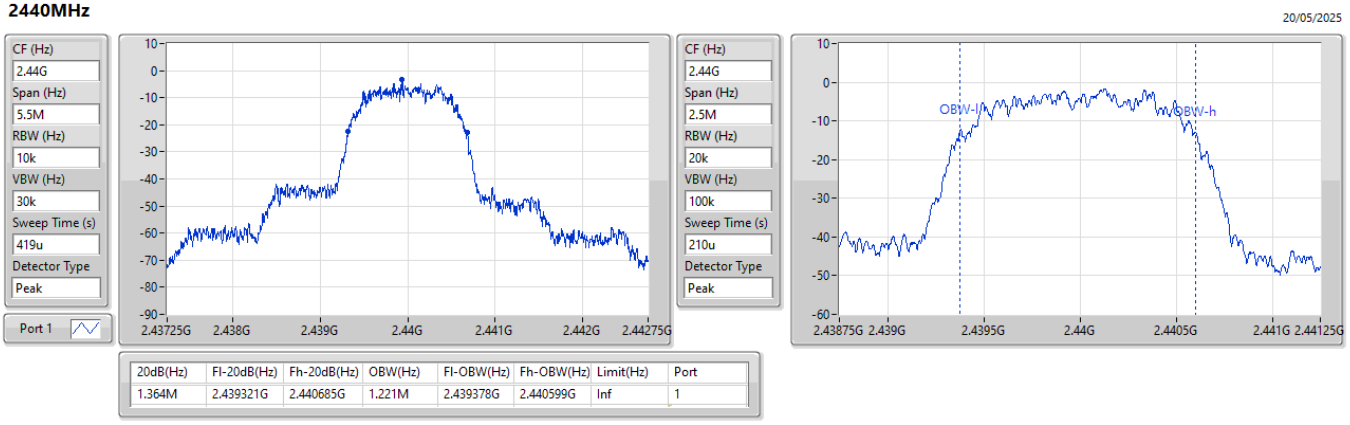
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.309M	2.401343G	2.402652G	1.222M	2.401386G	2.402609G	Inf	1

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

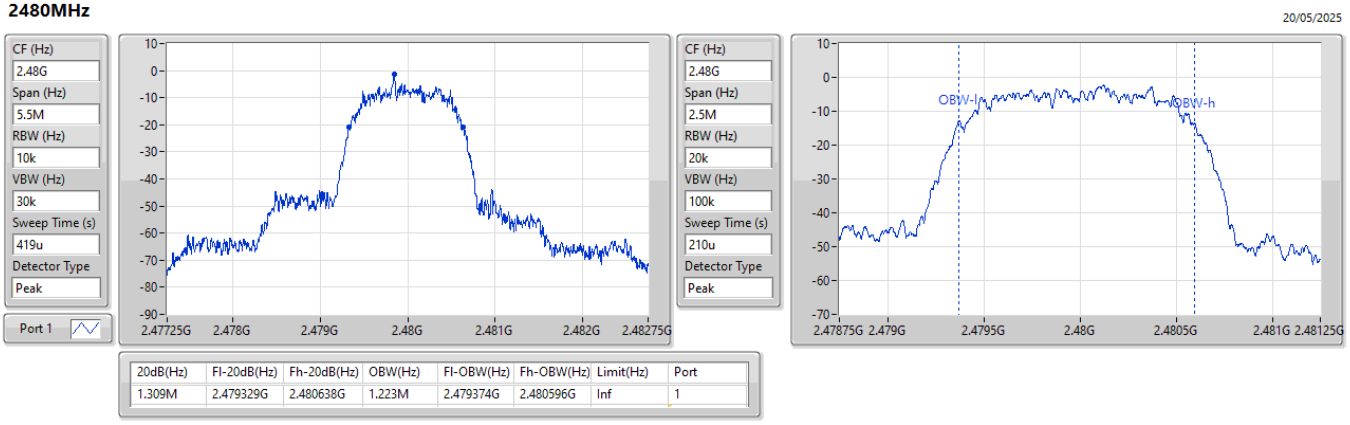
2440MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.364M	2.439321G	2.440685G	1.221M	2.439378G	2.440599G	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
1.309M	2.479329G	2.480638G	1.223M	2.479374G	2.480596G	Inf	1

Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.0035M	996k
BT-EDR(2Mbps)	999k	994.5k
BT-EDR(3Mbps)	1.311M	999k

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402179G	2.403175G	996k	611.721k
2440MHz	Pass	2.440172G	2.441172G	1.0005M	611.721k
2480MHz	Pass	2.479161G	2.480165G	1.0035M	613.5525k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.401852G	2.40285G	997.5k	890.442k
2440MHz	Pass	2.439845G	2.440839G	994.5k	917.748k
2480MHz	Pass	2.478839G	2.479838G	999k	912.42k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.401851G	2.403162G	1.311M	871.794k
2440MHz	Pass	2.440154G	2.441156G	1.002M	908.424k
2480MHz	Pass	2.479149G	2.480148G	999k	871.794k

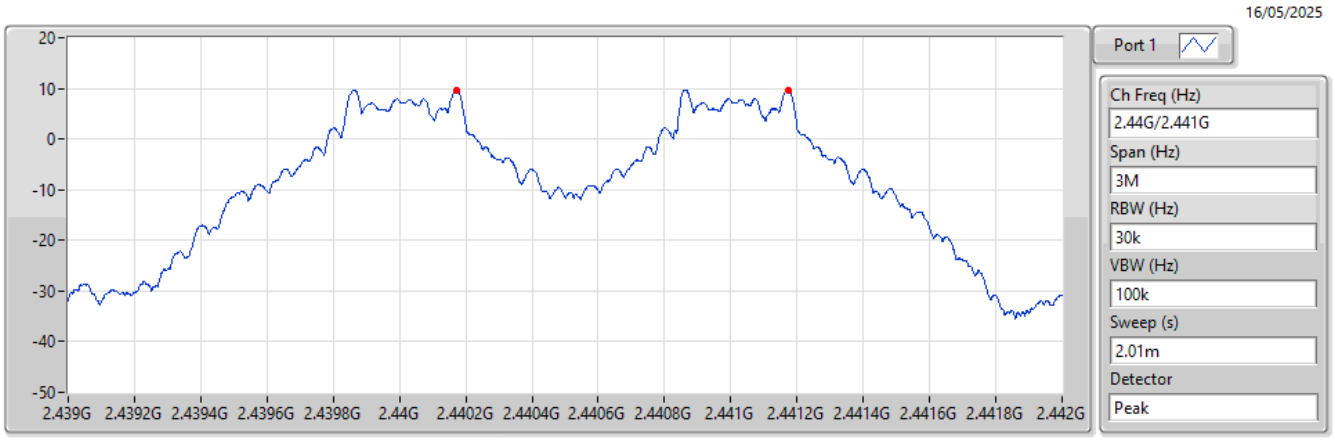
2.4-2.4835GHz_BT-BR(1Mbps) **Channel Separation-FS**

2.402G/2.403GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402179G	2.403175G	996k	611.721k

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

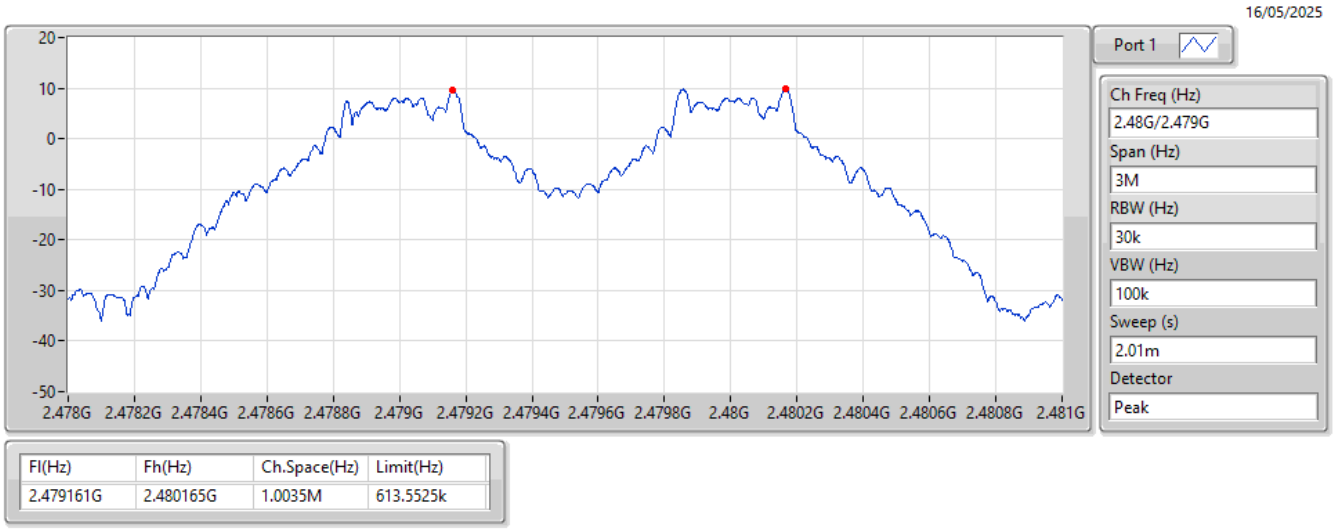
2.44G/2.441GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440172G	2.441172G	1.0005M	611.721k

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

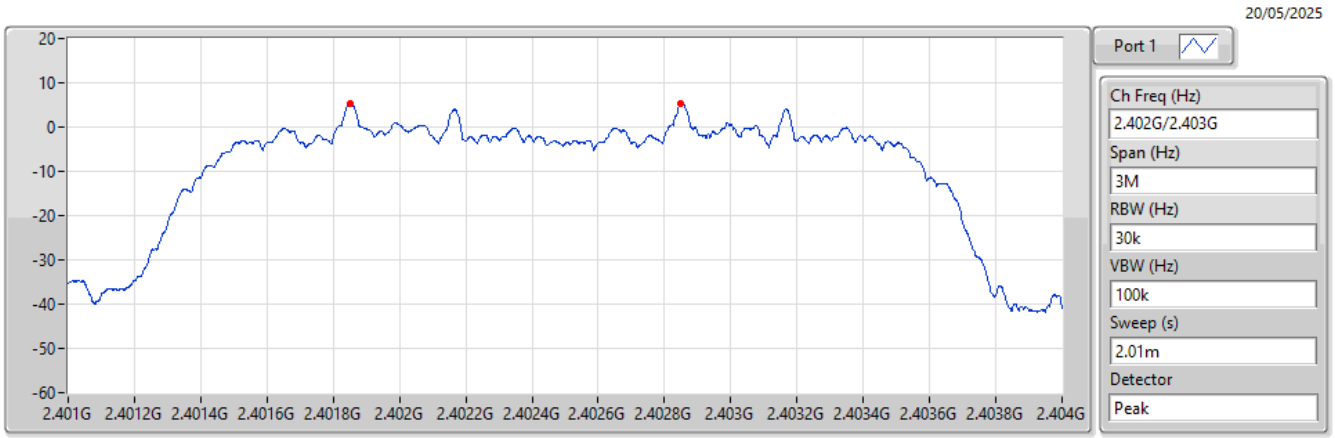
2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479161G	2.480165G	1.0035M	613.5525k

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

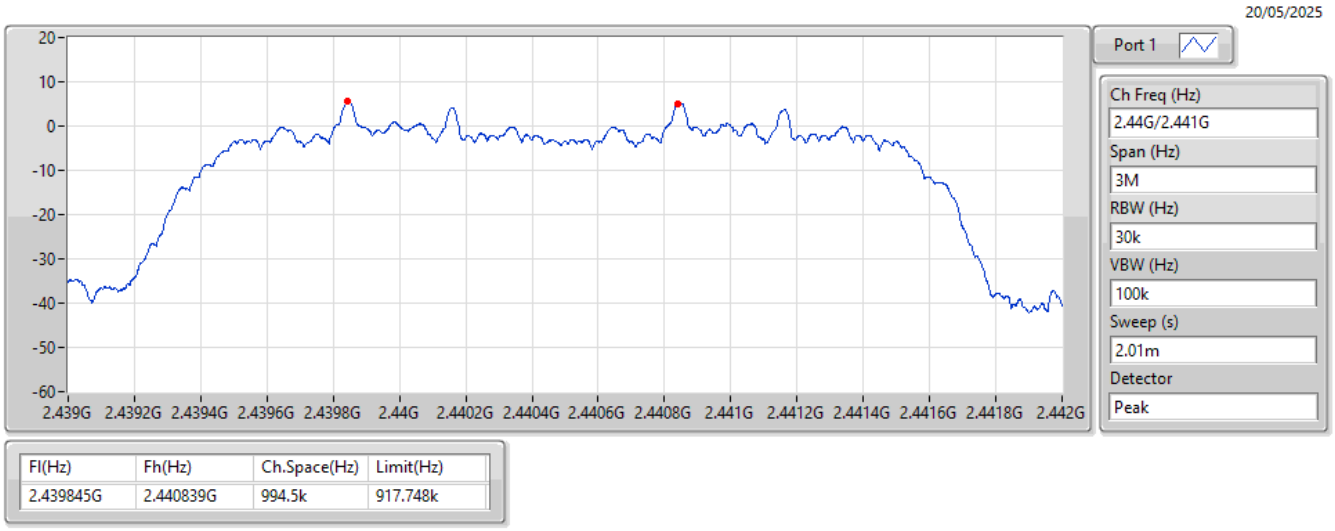
2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.401852G	2.40285G	997.5k	890.442k

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

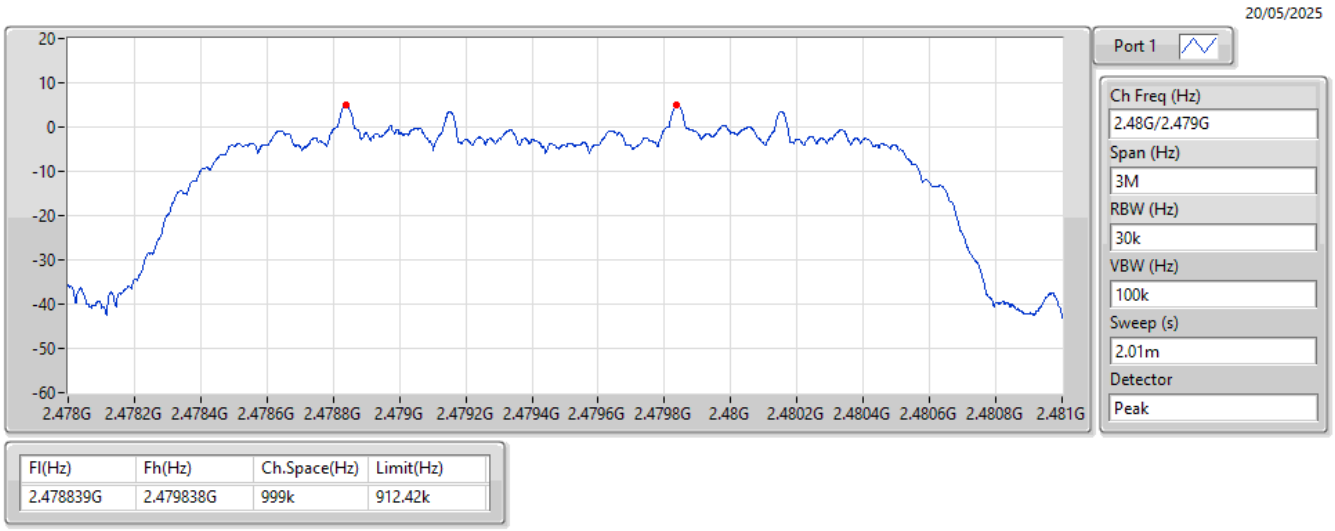
2.44G/2.441GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.439845G	2.440839G	994.5k	917.748k

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

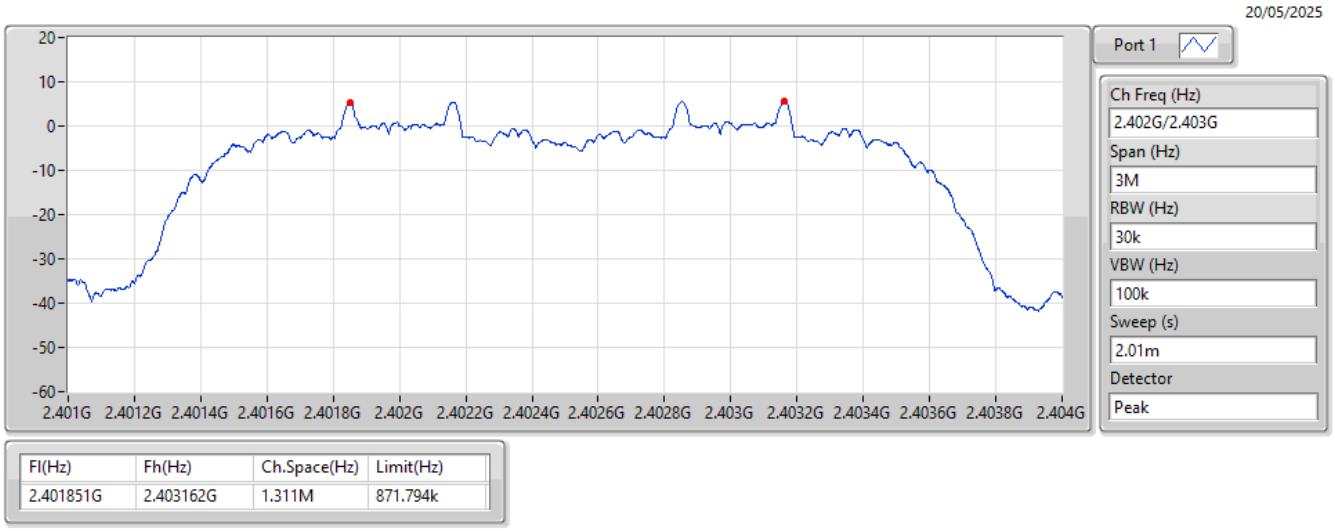
2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.478839G	2.479838G	999k	912.42k

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

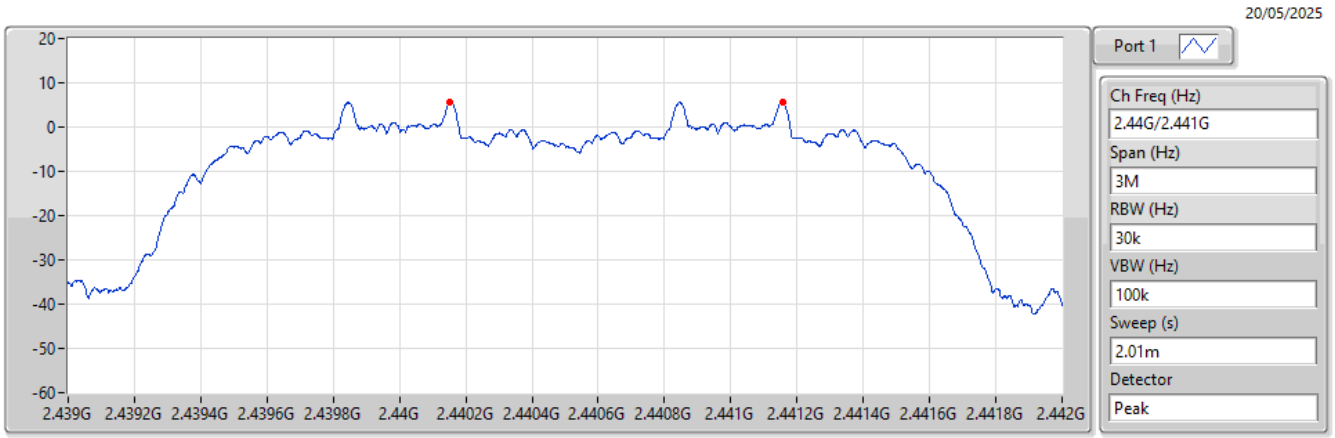
2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.401851G	2.403162G	1.311M	871.794k

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

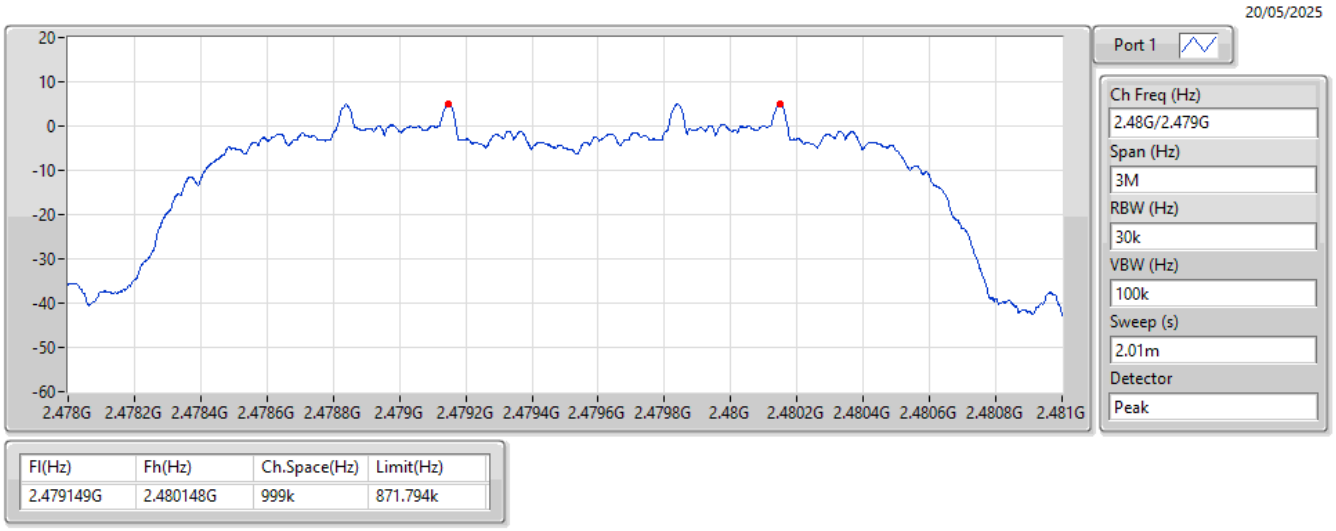
2.44G/2.441GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440154G	2.441156G	1.002M	908.424k

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

2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479149G	2.480148G	999k	871.794k

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	10.97	0.01250
BT-EDR(2Mbps)	6.76	0.00474
BT-EDR(3Mbps)	6.81	0.00480

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	3.50	9.83	21.00
2440MHz	Pass	3.50	10.71	21.00
2480MHz	Pass	3.50	10.97	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	3.50	6.64	21.00
2440MHz	Pass	3.50	6.76	21.00
2480MHz	Pass	3.50	6.32	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	3.50	6.80	21.00
2440MHz	Pass	3.50	6.81	21.00
2480MHz	Pass	3.50	6.24	21.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	11.27	0.01340
BT-EDR(2Mbps)	8.91	0.00778
BT-EDR(3Mbps)	9.40	0.00871

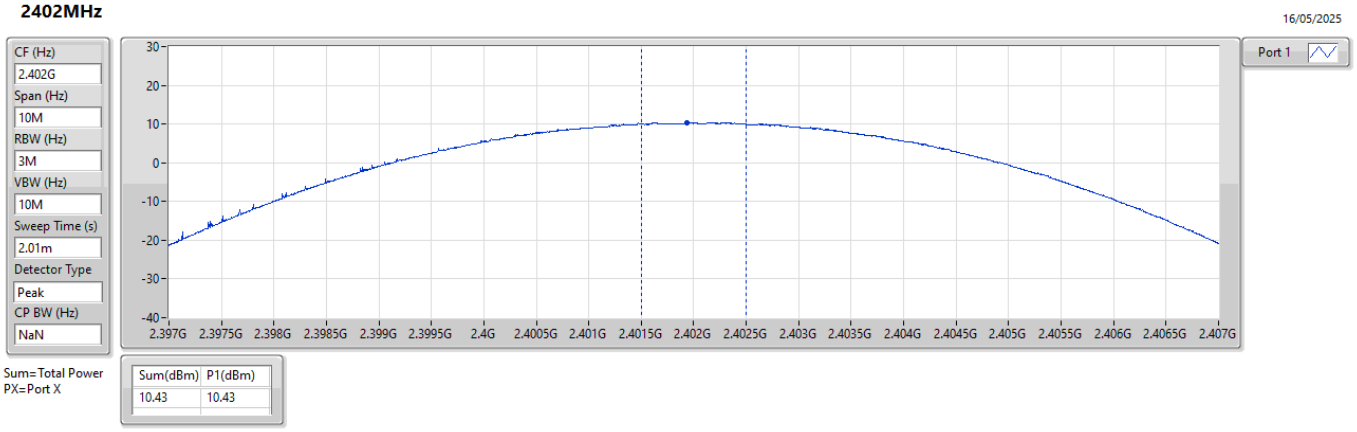
Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	3.50	10.43	21.00
2440MHz	Pass	3.50	11.11	21.00
2480MHz	Pass	3.50	11.27	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	3.50	8.91	21.00
2440MHz	Pass	3.50	8.90	21.00
2480MHz	Pass	3.50	8.49	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	3.50	9.40	21.00
2440MHz	Pass	3.50	9.28	21.00
2480MHz	Pass	3.50	8.86	21.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.

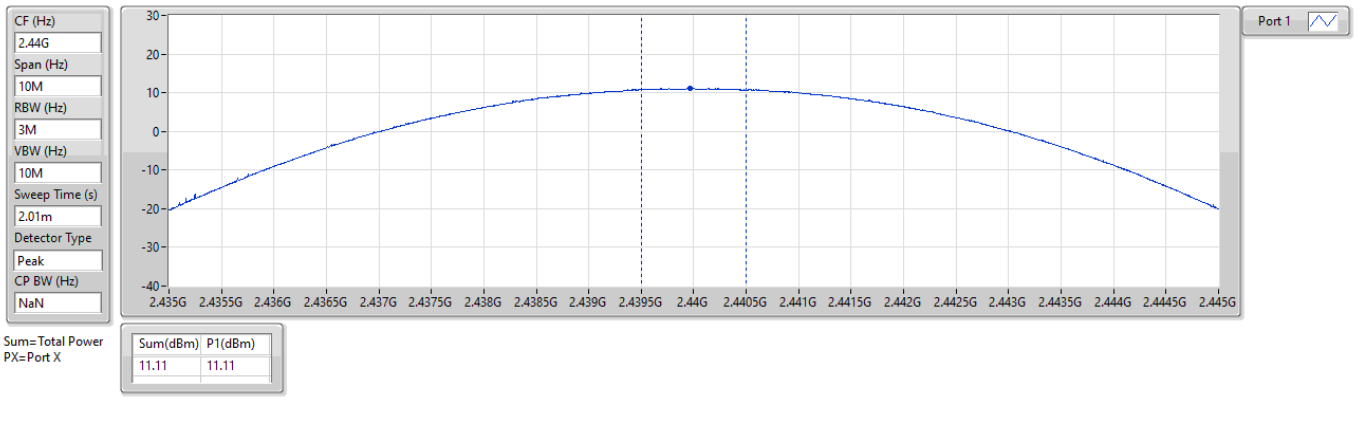
2.4-2.4835GHz_BT-BR(1Mbps) **PK Power-FS**

2402MHz



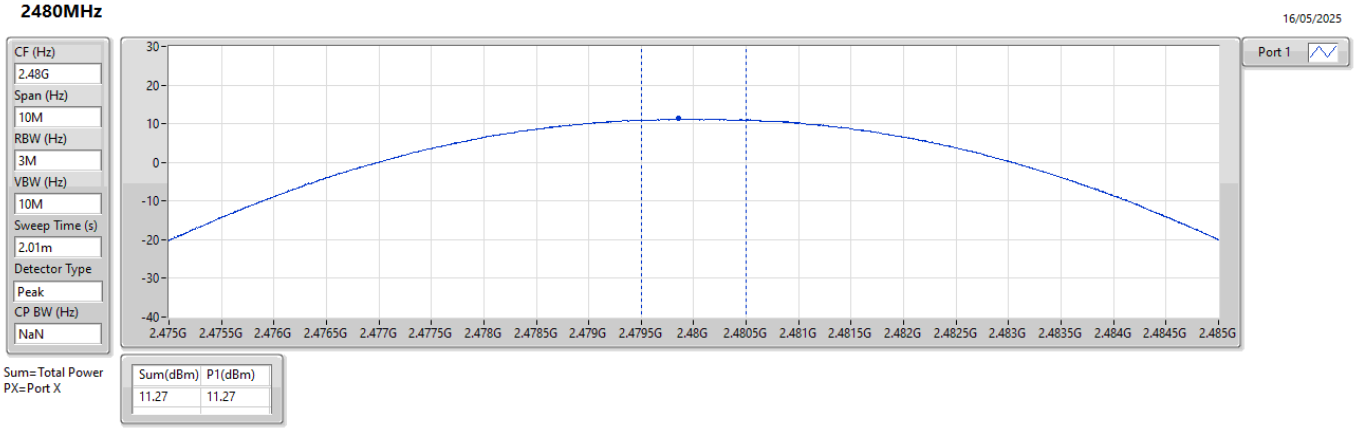
2.4-2.4835GHz_BT-BR(1Mbps) **PK Power-FS**

2440MHz



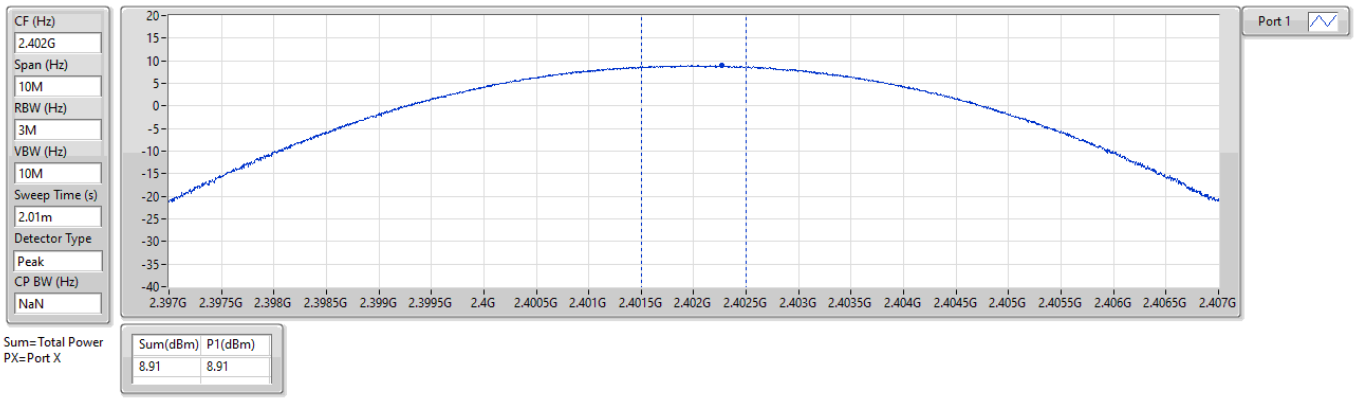
2.4-2.4835GHz_BT-BR(1Mbps) **PK Power-FS**

2480MHz



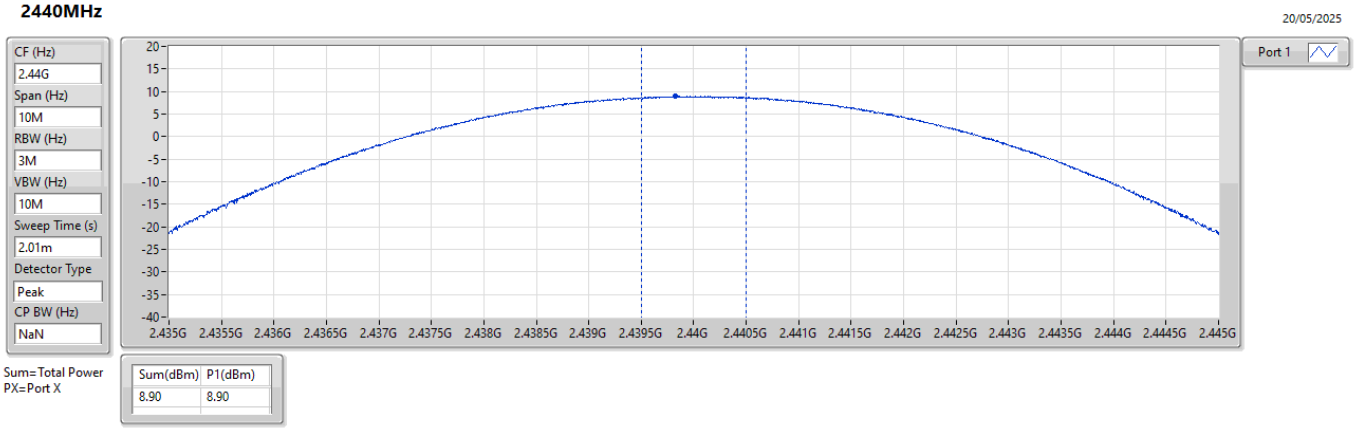
2.4-2.4835GHz_BT-EDR(2Mbps) **PK Power-FS**

2402MHz



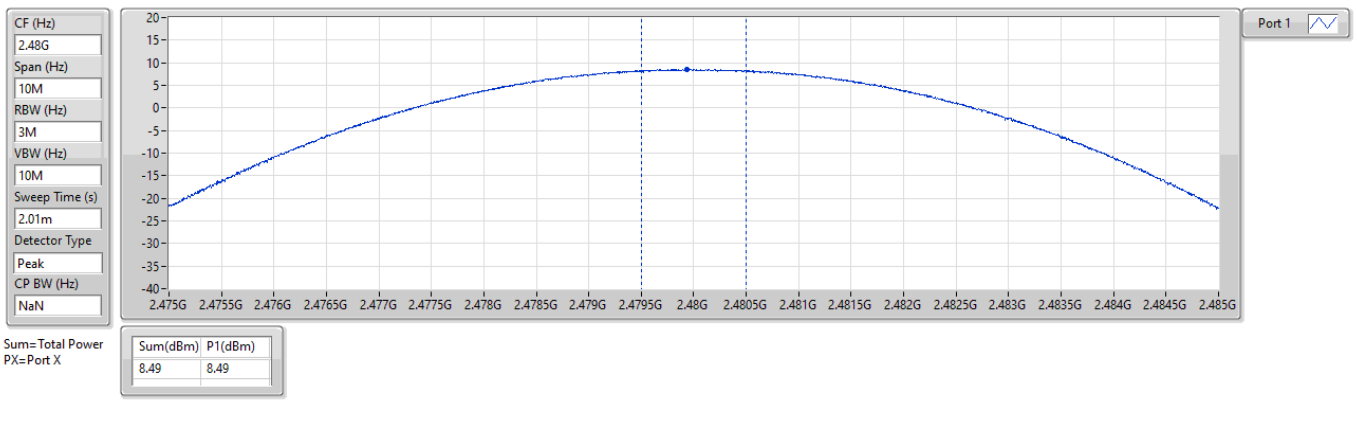
2.4-2.4835GHz_BT-EDR(2Mbps) **PK Power-FS**

2440MHz



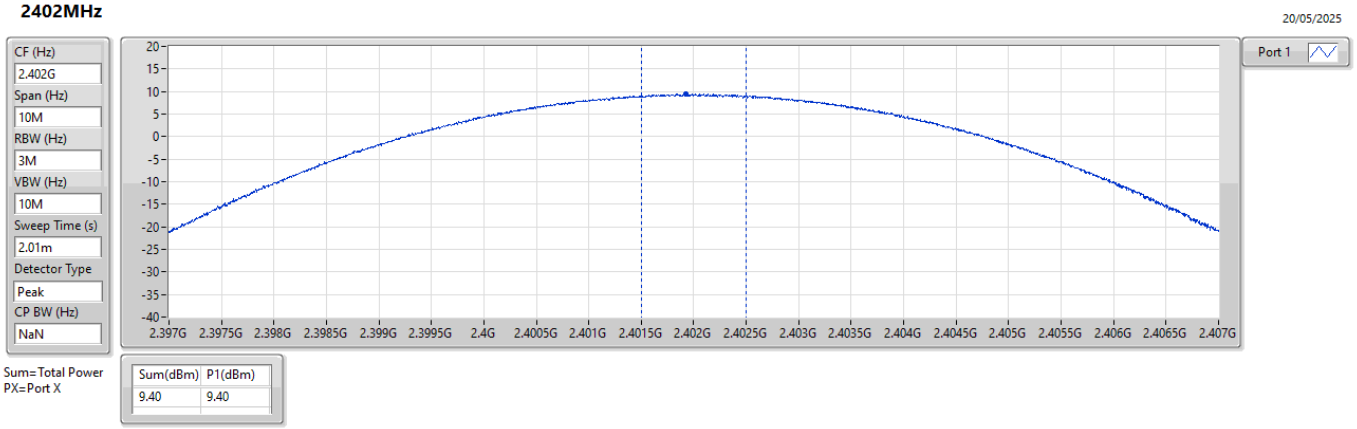
2.4-2.4835GHz_BT-EDR(2Mbps) **PK Power-FS**

2480MHz



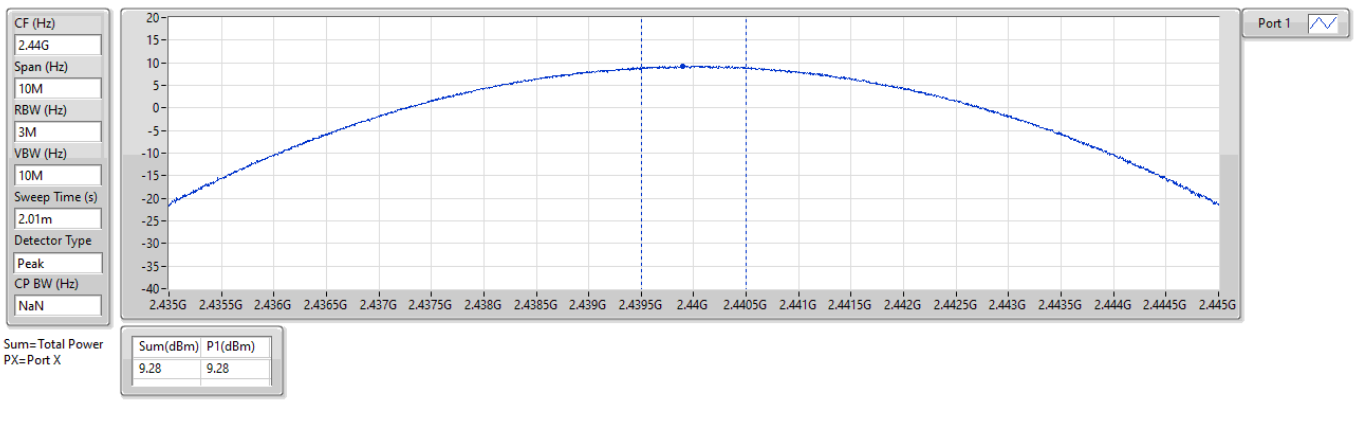
2.4-2.4835GHz_BT-EDR(3Mbps) **PK Power-FS**

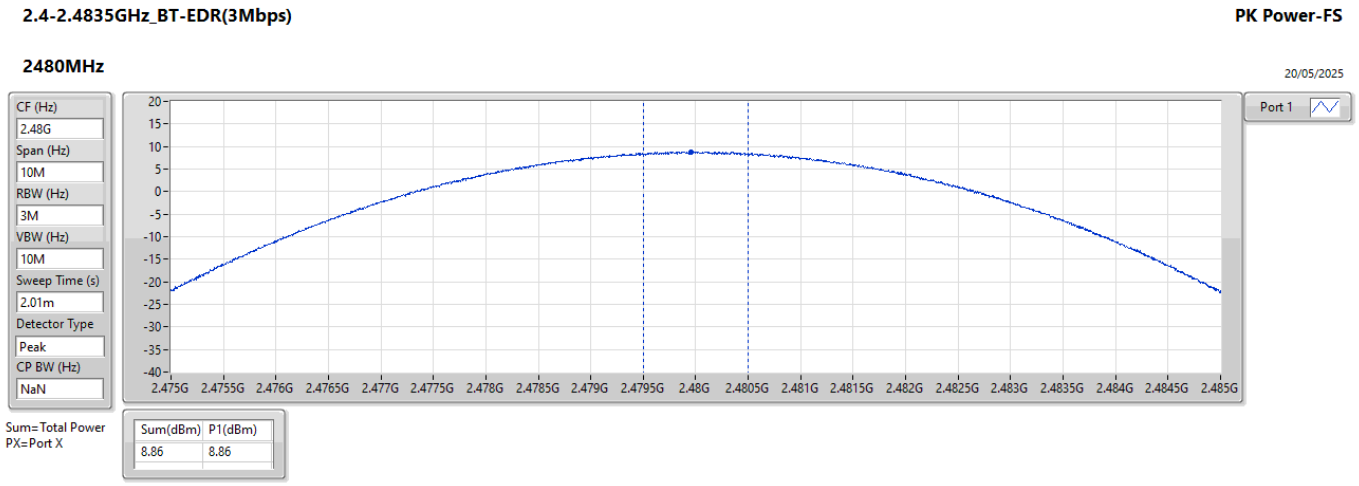
2402MHz



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

2440MHz




2.4-2.4835GHz_BT-EDR(3Mbps)
PK Power-FS
2480MHz
20/05/2025
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)
8.86 8.86

Summary

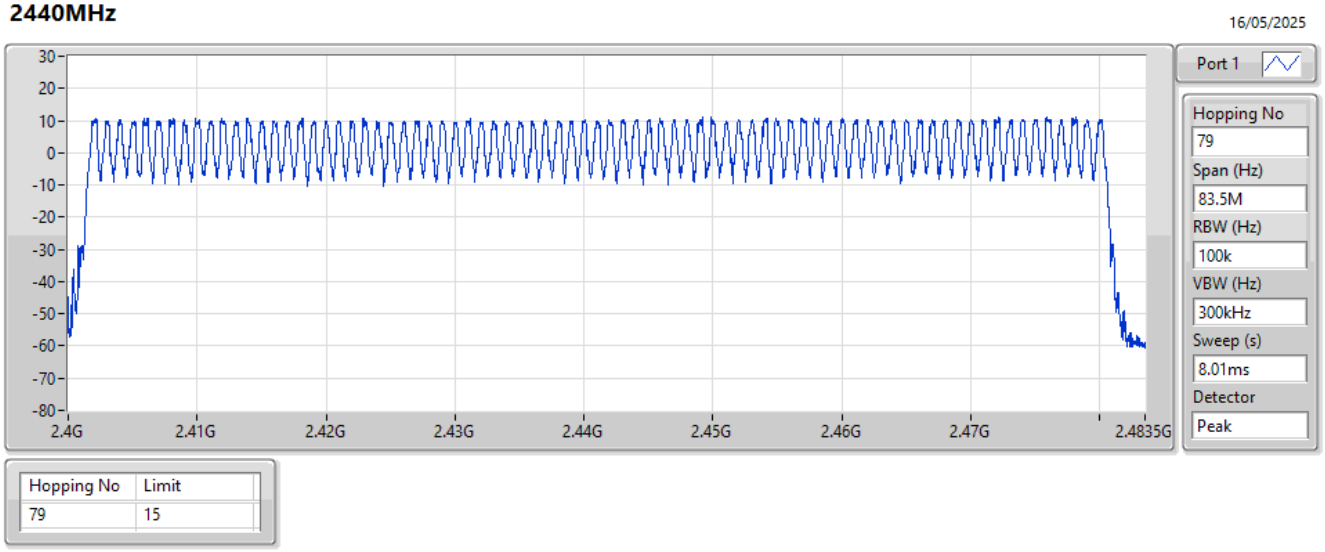
Mode 2.4-2.4835GHz	Max-Hop No -
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

Result

Mode BT-BR(1Mbps)	Result -	Hopping No -	Limit -
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

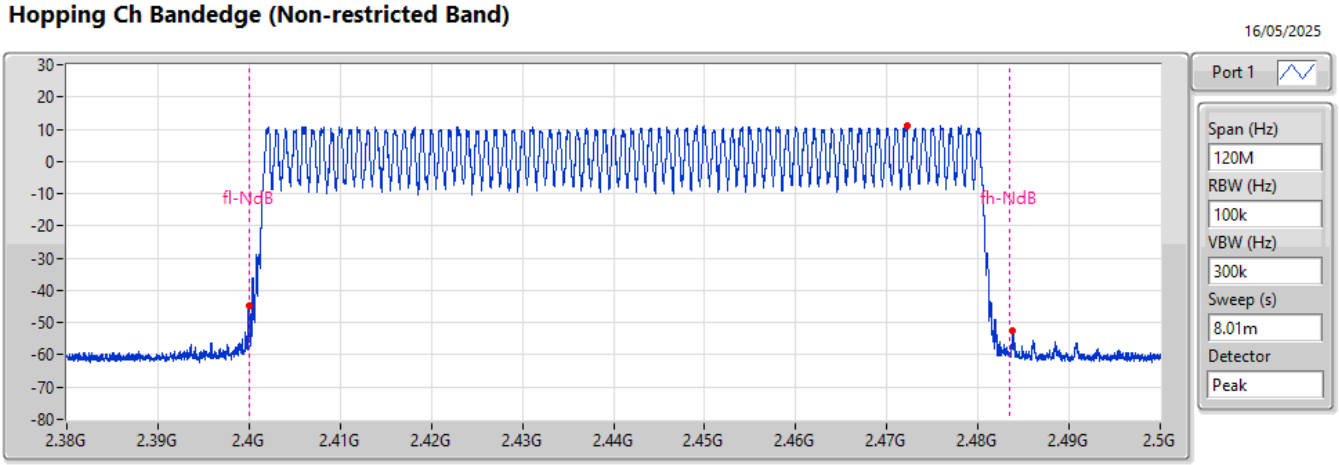


Hopping No	Limit
79	15

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

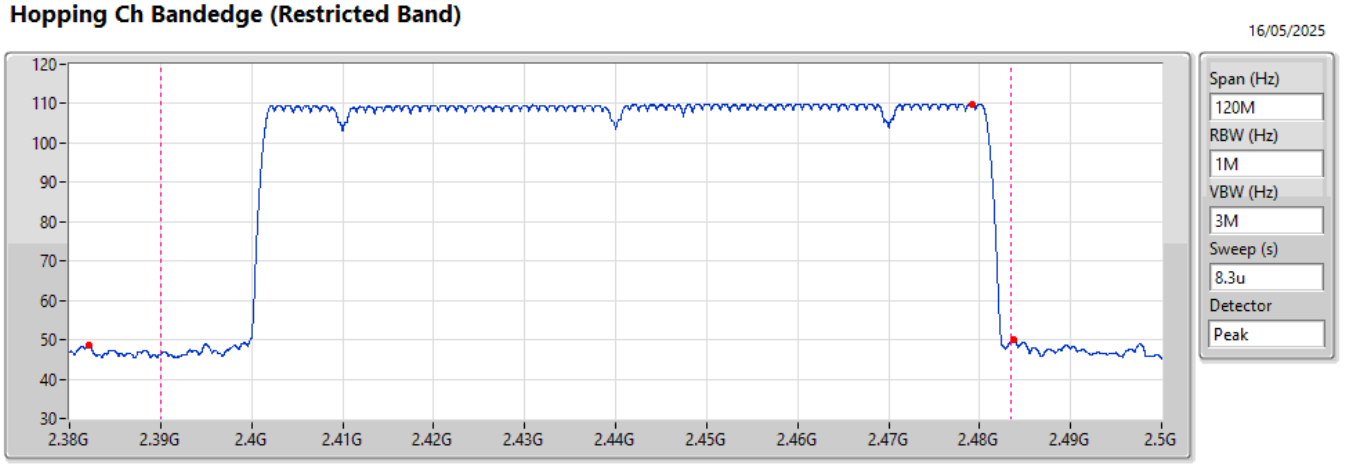


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-8.92	2.472175G	11.08	2.399965G	-44.79	2.483815G	-52.69

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz

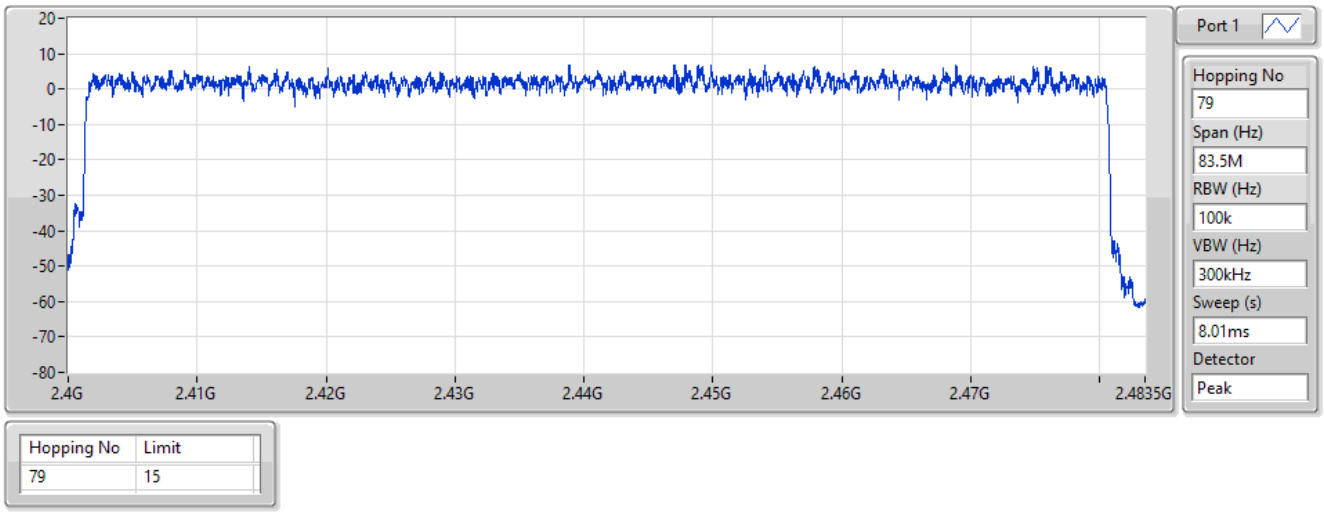
Hopping Ch Bandedge (Restricted Band)



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)
2.479165G	109.97	2.382055G	48.77	18.67	2.48371G	50.21	20.11	74	54	3.125	-30.1

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

2440MHz

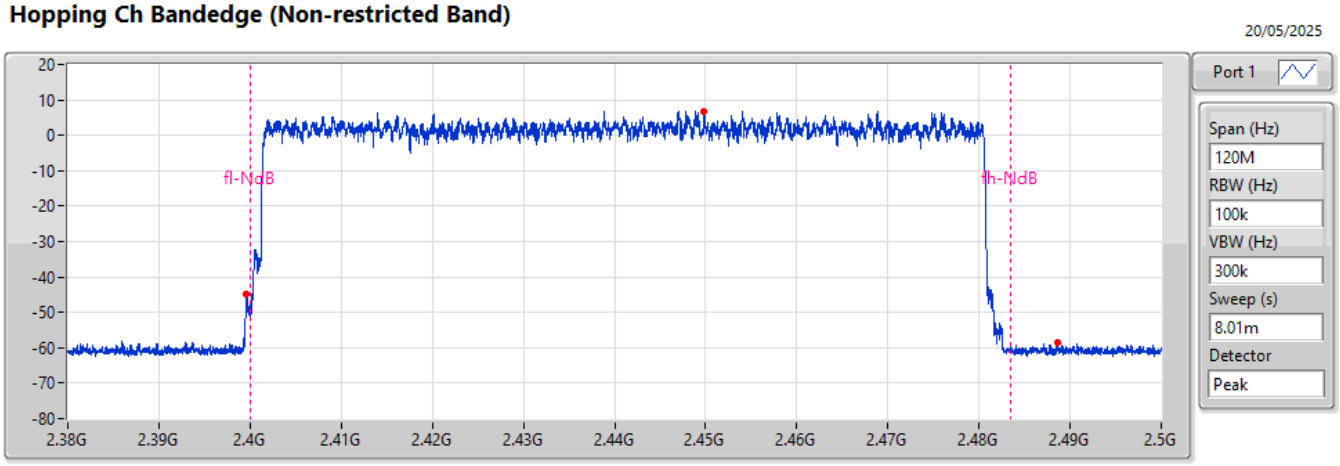


Hopping No	Limit
79	15

2.4-2.4835GHz_BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

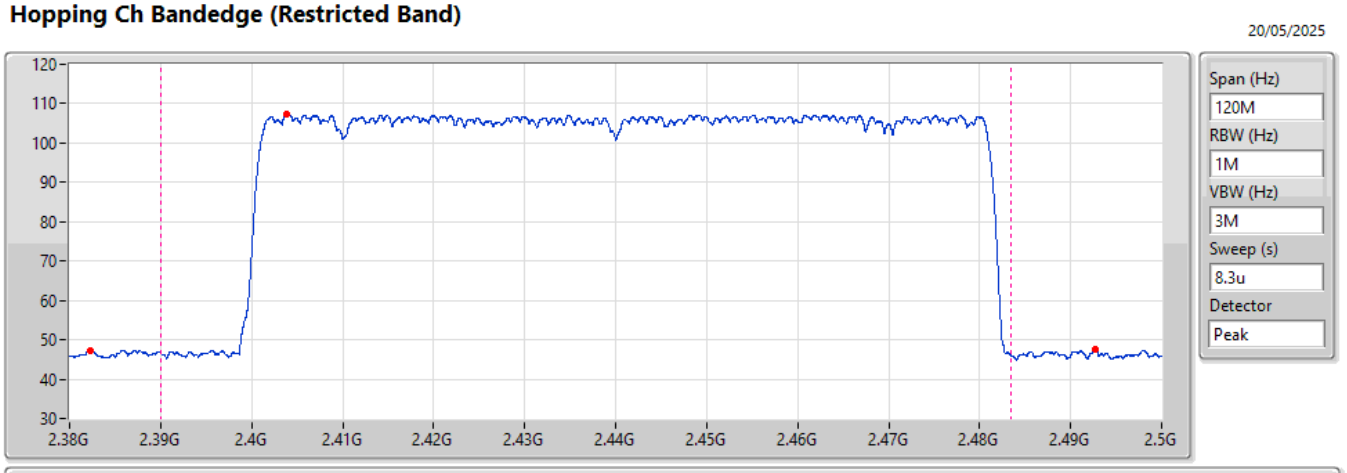


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-13.19	2.449855G	6.81	2.39962G	-45	2.48857G	-58.69

2.4-2.4835GHz_BT-EDR(2Mbps)

2440MHz

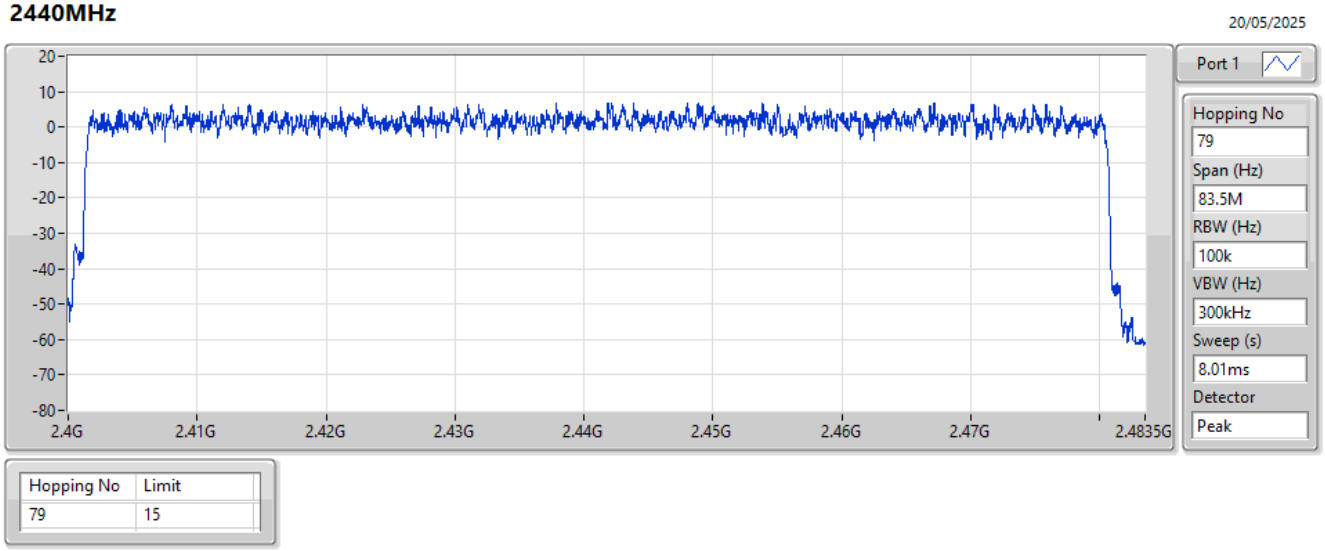
Hopping Ch Bandedge (Restricted Band)



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)
2.40382G	107.25	2.38222G	47.37	17.27	2.49265G	47.43	17.33	74	54	3.125	-30.1

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

2440MHz

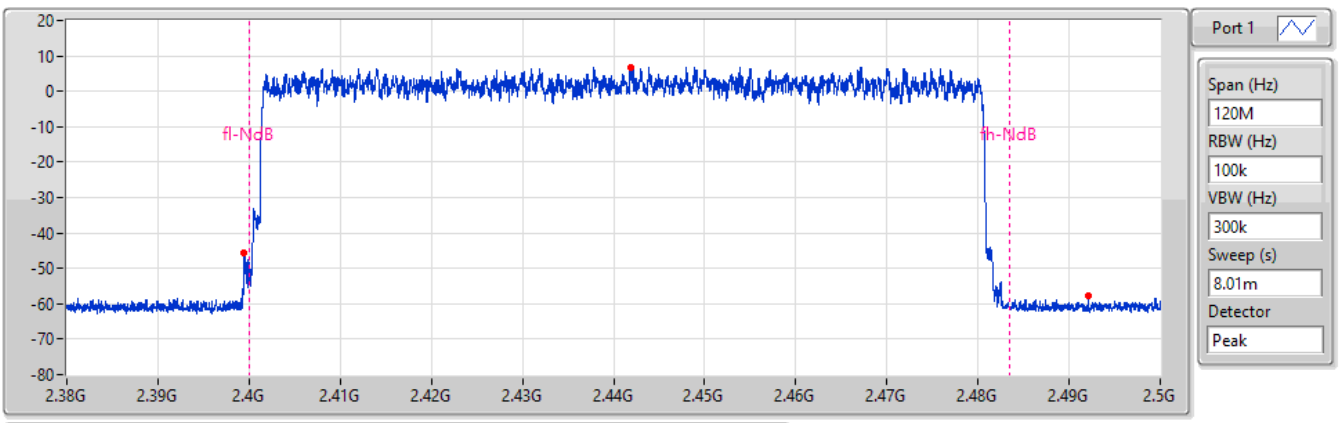


Hopping No	Limit
79	15

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

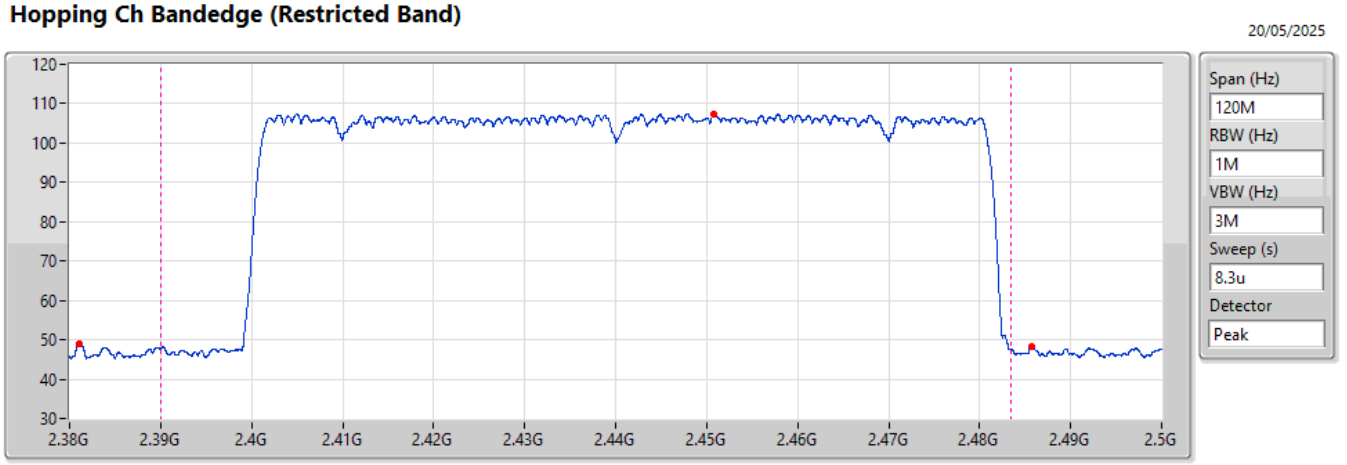


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-13.26	2.441845G	6.74	2.399485G	-45.7	2.492095G	-57.83

2.4-2.4835GHz_BT-EDR(3Mbps)

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)
2.45086G	107.45	2.38111G	49.02	18.92	2.485765G	48.13	18.03	74	54	3.125	-30.1

Summary

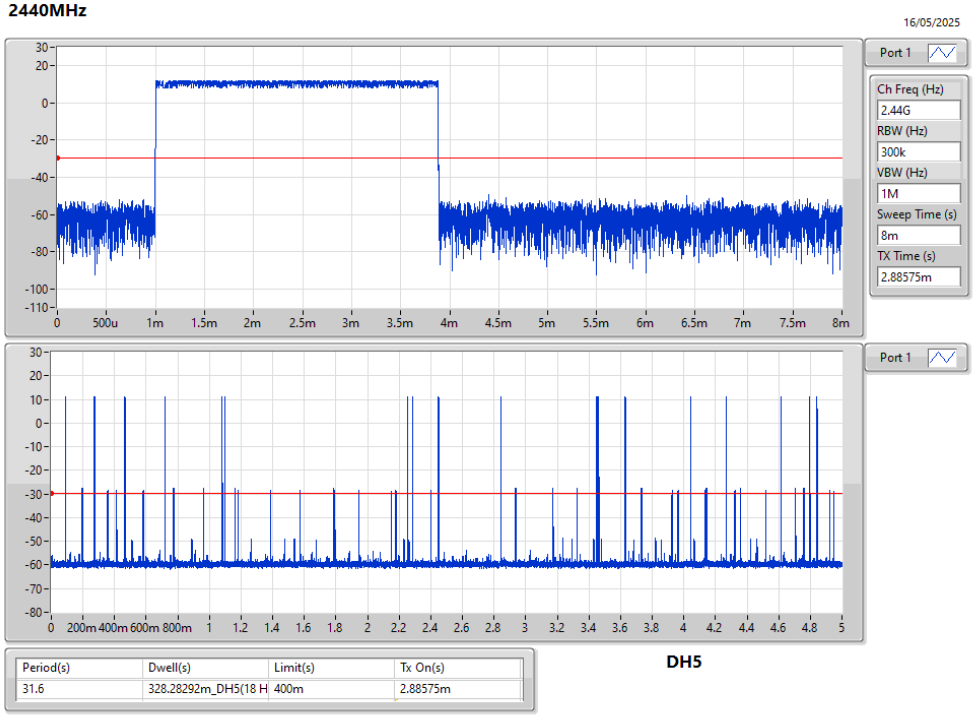
2.4-2.4835GHz	-
BT-BR(1Mbps)	328.28292m_DH5(18 Hops in 5 sec [2.88575ms/Hop])
BT-EDR(2Mbps)	328.39668m_DH5(18 Hops in 5 sec [2.88675ms/Hop])
BT-EDR(3Mbps)	273.8298m_DH5(15 Hops in 5 sec [2.8885ms/Hop])

Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	328.28292m_DH5(18 Hops in 5 sec [2.88575ms/Hop])	400m	2.88575m
2440MHz	Pass	8	103.905m_DH5-AFH(9 Hops in 2 sec [2.88625ms/Hop])	400m	2.88625m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	328.39668m_DH5(18 Hops in 5 sec [2.88675ms/Hop])	400m	2.88675m
2440MHz	Pass	8	127.017m_DH5-AFH(11 Hops in 2 sec [2.88675ms/Hop])	400m	2.88675m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	273.8298m_DH5(15 Hops in 5 sec [2.8885ms/Hop])	400m	2.8885m
2440MHz	Pass	8	34.662m_DH5-AFH(3 Hops in 2 sec [2.8885ms/Hop])	400m	2.8885m

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

2440MHz

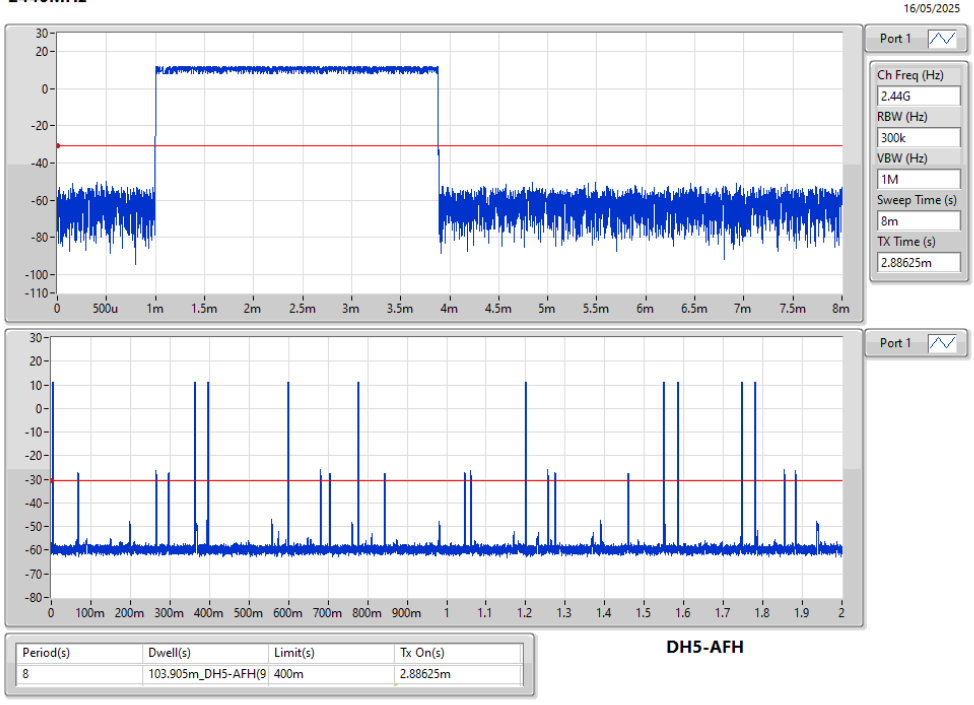


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	328.28292m_DH5(18 H	400m	2.88575m

DH5

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

2440MHz

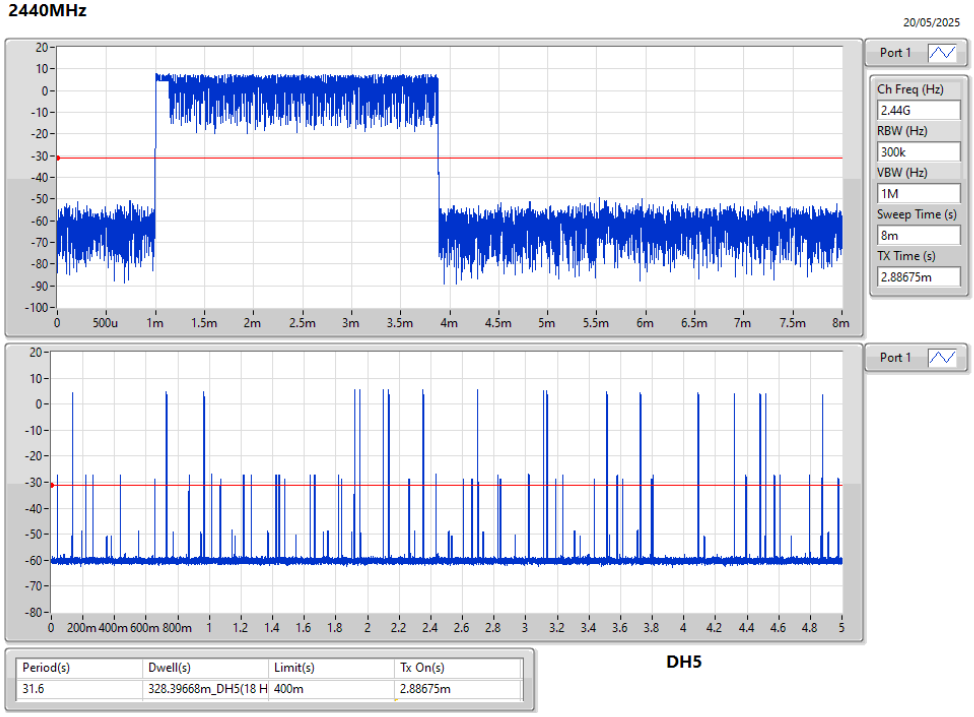


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	103.905m_DH5-AFH(9	400m	2.88625m

DH5-AFH

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

2440MHz

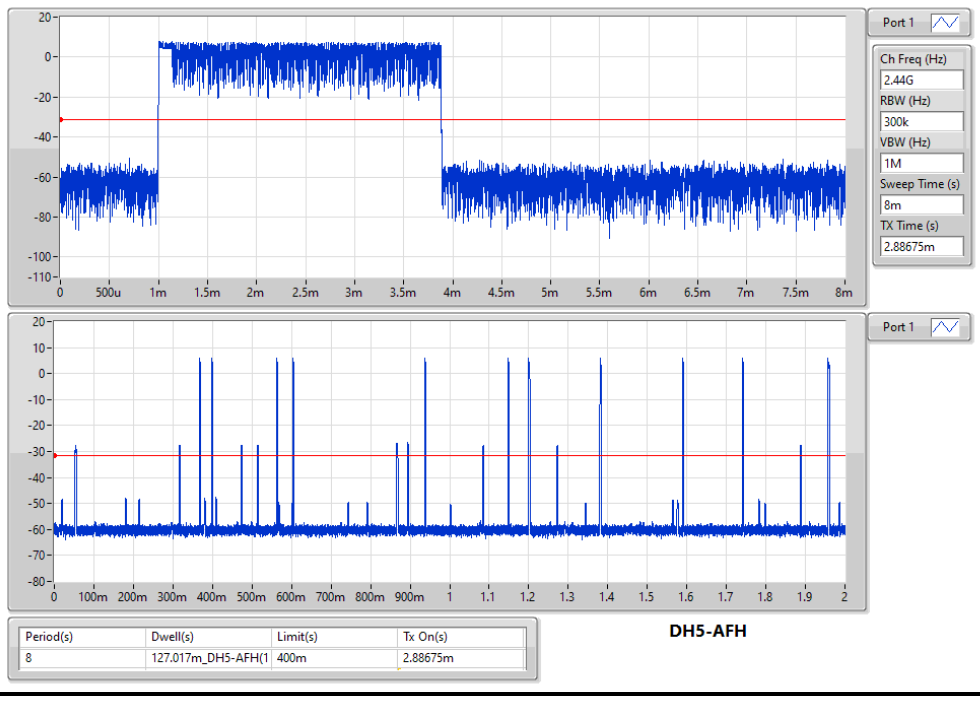


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	328.39668m_DH5(18 H	400m	2.88675m

DH5

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

2440MHz

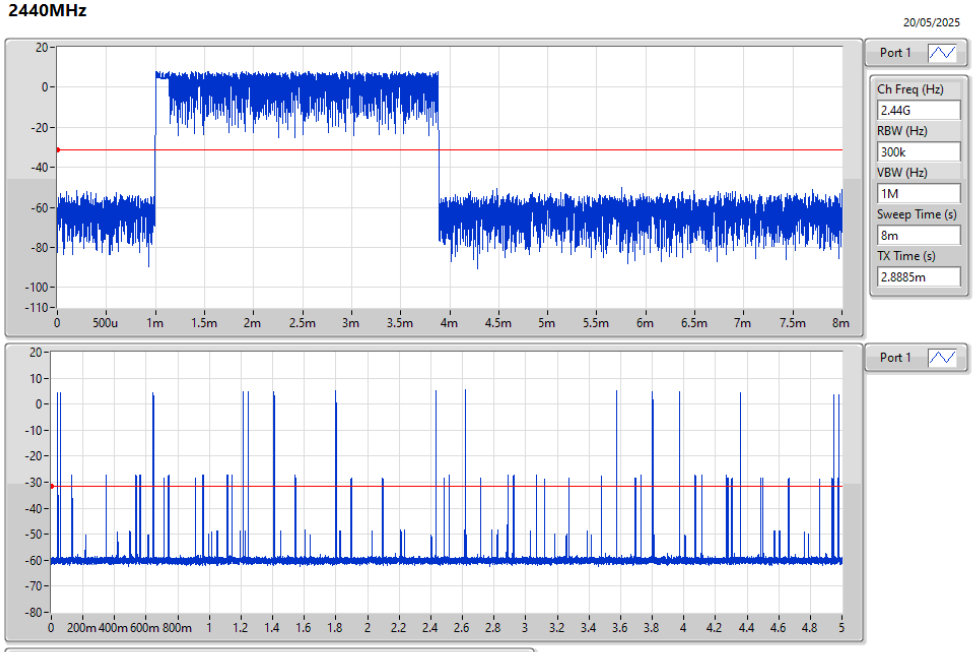


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	127.017m_DH5-AFH(1	400m	2.88675m

DH5-AFH

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

2440MHz

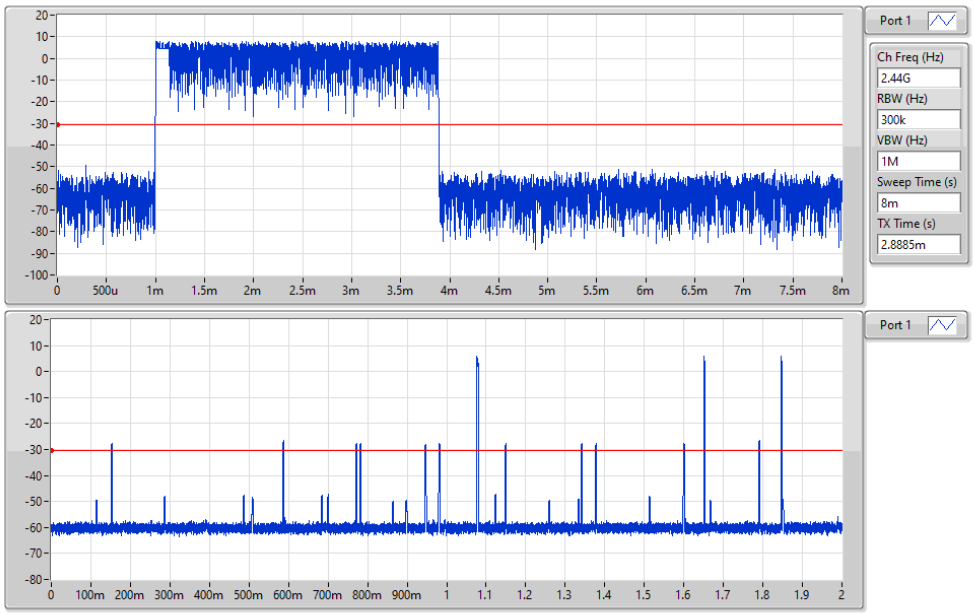


Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	273.8298m_DH5(15 Hc	400m	2.8885m

DH5

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

2440MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	34.662m_DH5-AFH(3 H	400m	2.8885m

DH5-AFH

Summary

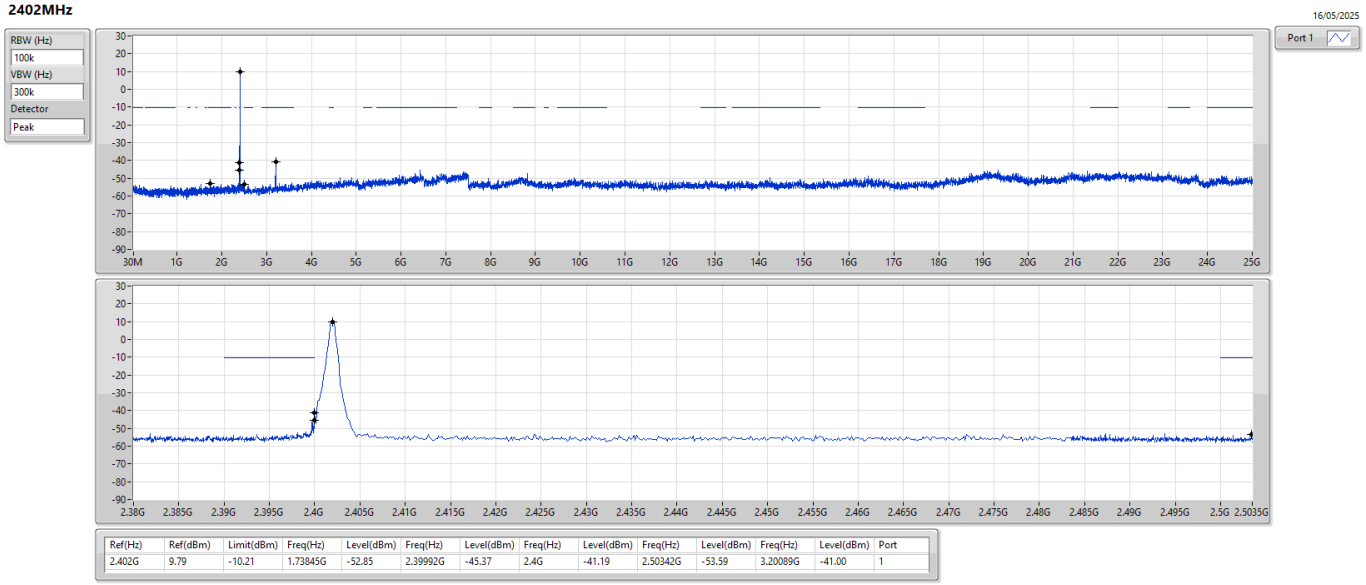
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.402G	9.79	-10.21	1.73845G	-52.85	2.39992G	-45.37	2.4G	-41.19	2.50342G	-53.59	3.20089G	-41.00	1
BT-EDR(2Mbps)	Pass	2.402G	6.35	-13.65	33.53M	-52.70	2.3996G	-42.98	2.4G	-46.37	2.50342G	-53.87	3.20089G	-36.87	1
BT-EDR(3Mbps)	Pass	2.402G	6.54	-13.46	2.0604G	-53.02	2.3996G	-42.75	2.4G	-45.66	2.50266G	-54.85	3.20089G	-37.05	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	9.79	-10.21	1.73845G	-52.85	2.39992G	-45.37	2.4G	-41.19	2.50342G	-53.59	3.20089G	-41.00	1
2440MHz	Pass	2.44008G	10.01	-9.99	229.75M	-52.97	2.39232G	-53.90	2.4G	-56.13	2.50106G	-54.46	3.25151G	-42.61	1
2480MHz	Pass	2.47999G	10.89	-9.11	2.0792G	-52.87	2.39712G	-53.33	2.4G	-56.13	2.50114G	-54.77	3.30494G	-43.31	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	6.35	-13.65	33.53M	-52.70	2.3996G	-42.98	2.4G	-46.37	2.50342G	-53.87	3.20089G	-36.87	1
2440MHz	Pass	2.43991G	6.65	-13.35	1.816G	-53.98	2.392G	-53.72	2.4G	-55.81	2.50238G	-54.48	3.25151G	-37.00	1
2480MHz	Pass	2.48016G	5.03	-14.97	2.08273G	-53.75	2.39752G	-52.94	2.4G	-56.34	2.5033G	-53.28	3.30494G	-36.46	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	6.54	-13.46	2.0604G	-53.02	2.3996G	-42.75	2.4G	-45.66	2.50266G	-54.85	3.20089G	-37.05	1
2440MHz	Pass	2.44025G	6.31	-13.69	2.17555G	-52.96	2.39376G	-53.95	2.4G	-56.26	2.5011G	-54.96	3.25151G	-37.32	1
2480MHz	Pass	2.48016G	6.02	-13.98	2.12855G	-53.47	2.39364G	-53.92	2.4G	-56.95	2.5005G	-53.83	3.30494G	-36.61	1

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

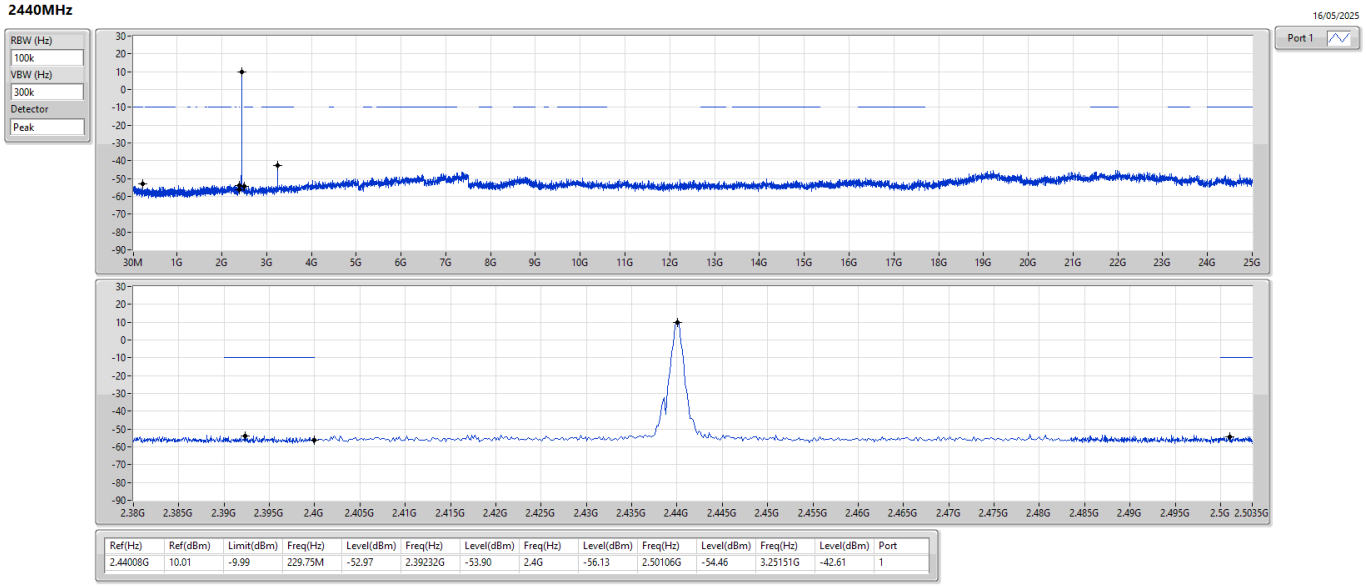
2402MHz



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
2.402G	9.79	-10.21	1.73845G	-52.85	2.39992G	-45.37	2.4G	-41.19	2.50342G	-53.59	3.20089G	-41.00	1

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

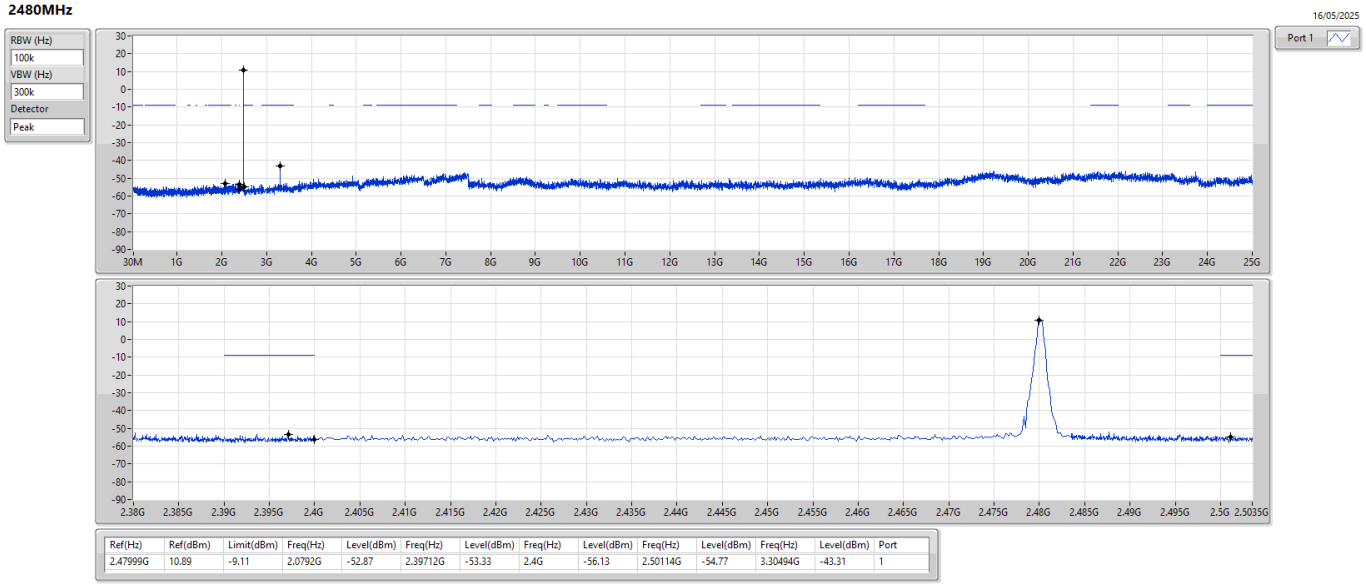
2440MHz



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	10.01	-9.99	229.75M	-52.97	2.39232G	-53.90	2.4G	-56.13	2.50106G	-54.46	3.25151G	-42.61	1

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

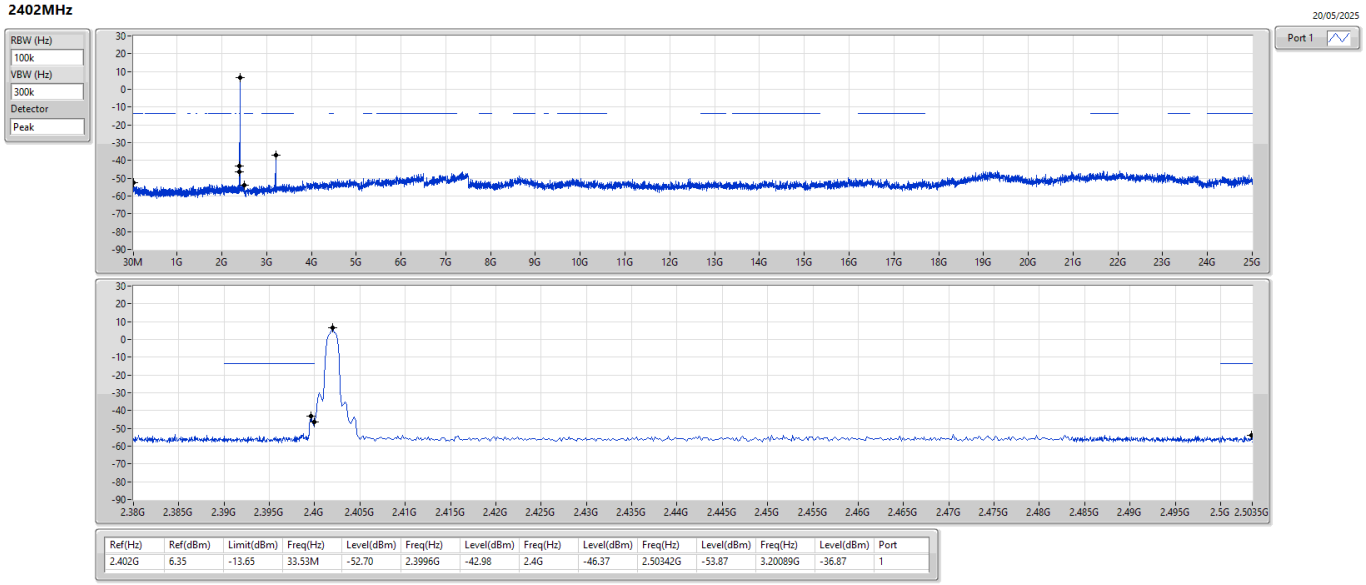
2480MHz



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
2.47999G	10.89	-9.11	2.0792G	-52.87	2.39712G	-53.33	2.4G	-56.13	2.50114G	-54.77	3.30494G	-43.31	1

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

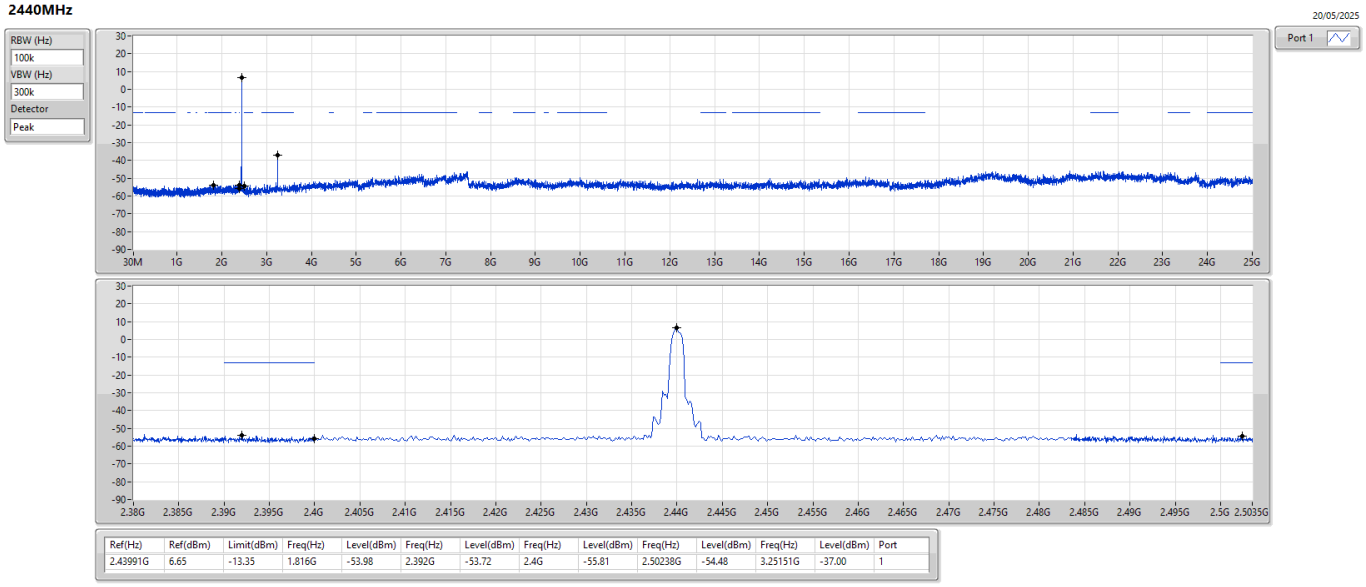
2402MHz



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	6.35	-13.65	33.53M	-52.70	2.3996G	-42.98	2.4G	-46.37	2.50342G	-53.87	3.20089G	-36.87	1

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

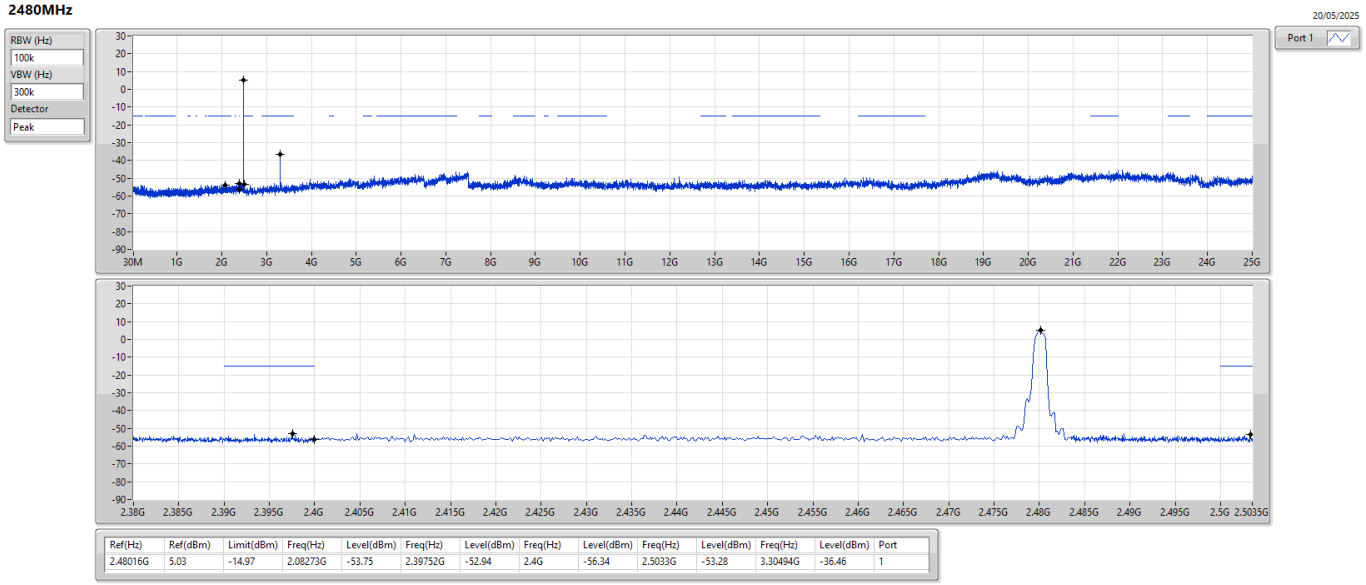
2440MHz



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
2.43991G	6.65	-13.35	1.816G	-53.98	2.392G	-53.72	2.4G	-55.81	2.50238G	-54.48	3.25151G	-37.00	1

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

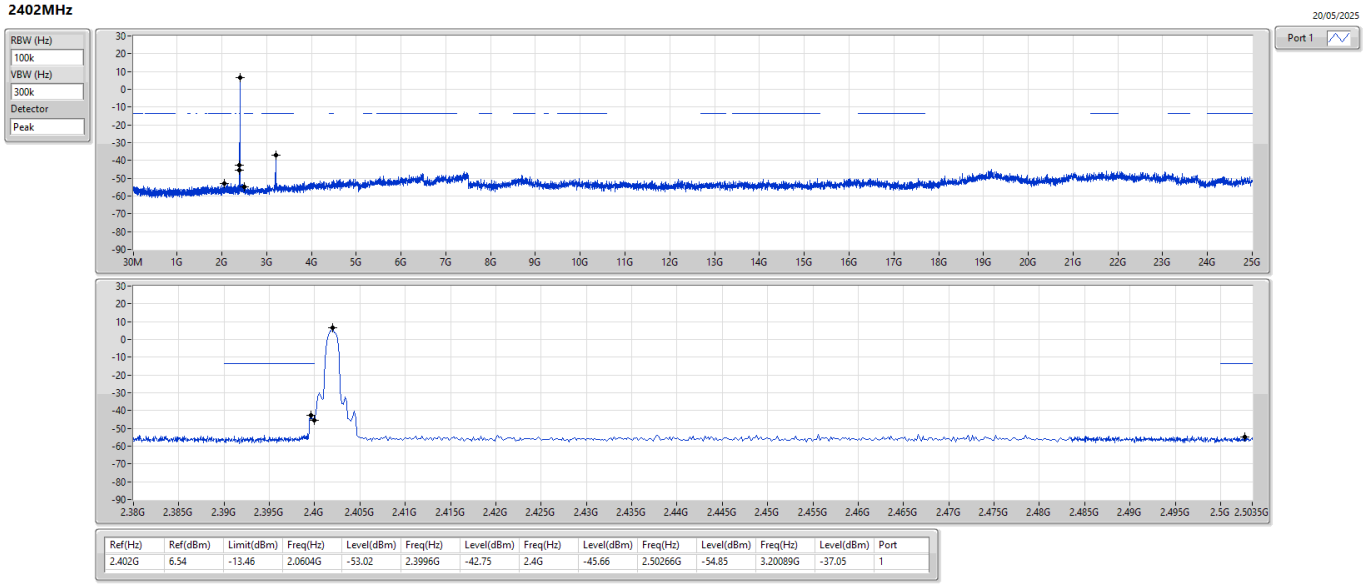
2480MHz



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
2.48016G	5.03	-14.97	2.08273G	-53.75	2.39752G	-52.94	2.4G	-56.34	2.5033G	-53.28	3.30494G	-36.46	1

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

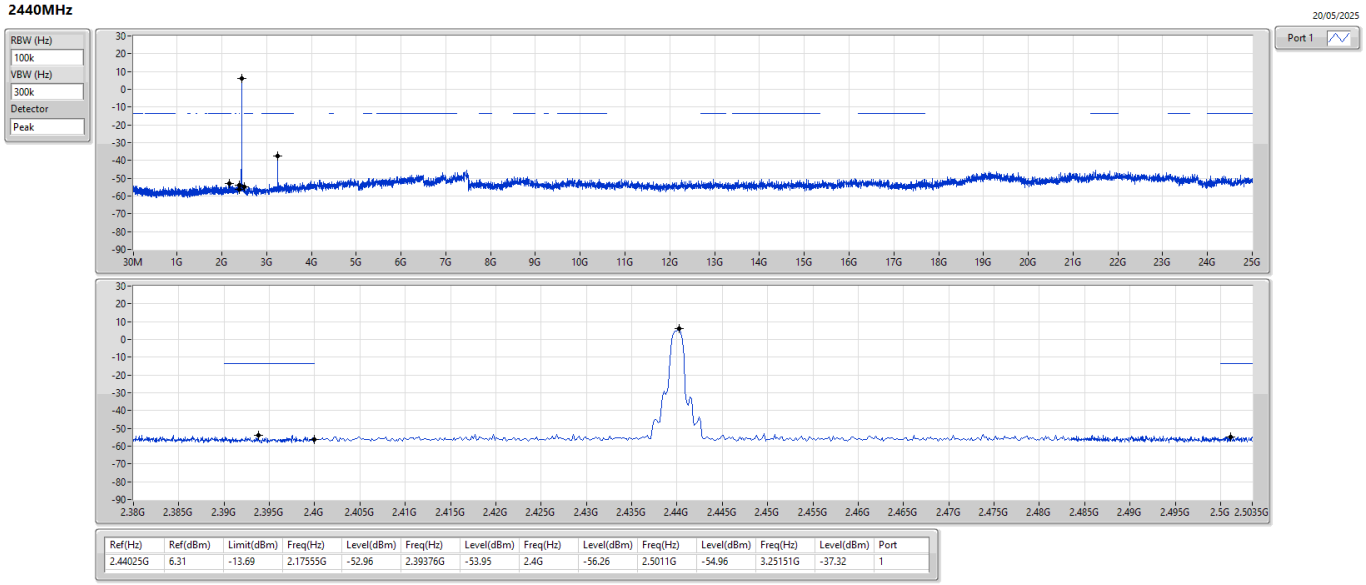
2402MHz



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	6.54	-13.46	2.0604G	-53.02	2.3996G	-42.75	2.4G	-45.66	2.50266G	-54.85	3.20089G	-37.05	1

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

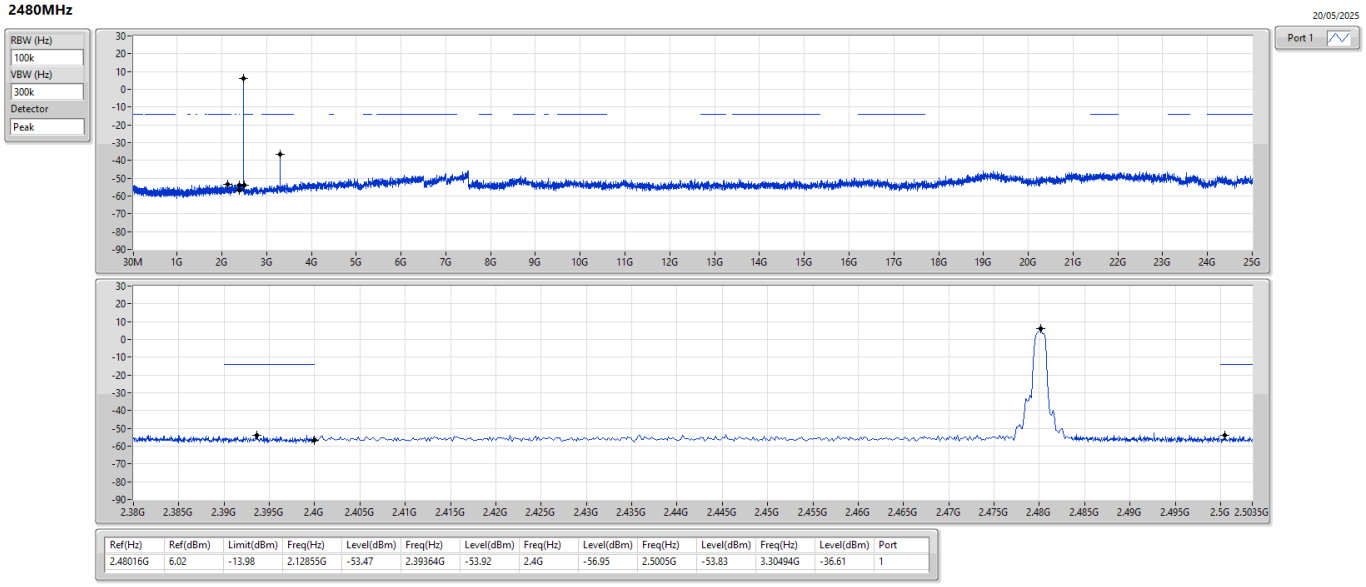
2440MHz



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
2.44025G	6.31	-13.69	2.17555G	-52.96	2.39376G	-53.95	2.4G	-56.26	2.5011G	-54.96	3.25151G	-37.32	1

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

2480MHz

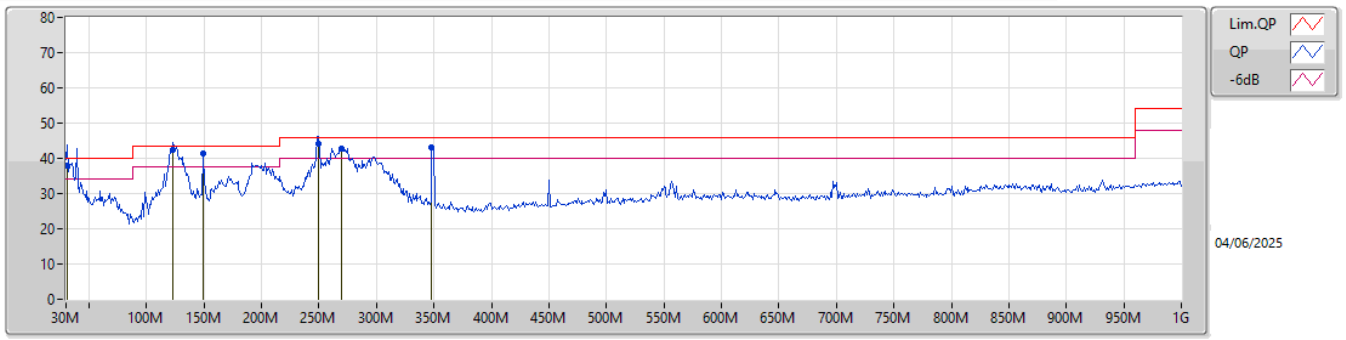


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.48016G	6.02	-13.98	2.12855G	-53.47	2.39364G	-53.92	2.4G	-56.95	2.5005G	-53.83	3.30494G	-36.61	1

Summary

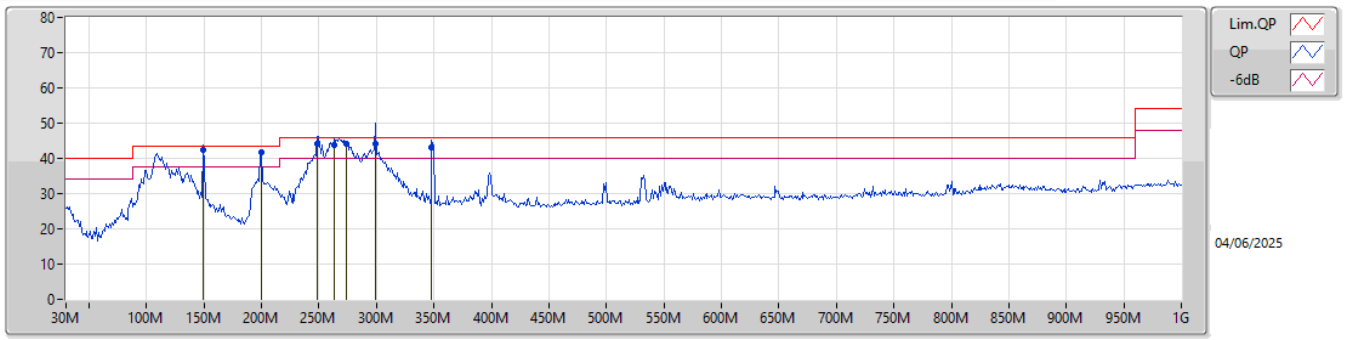
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 4	Pass	QP	149.31M	42.36	43.50	-1.14	Horizontal

Mode 4



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)	(dB/m)	(dB)	(dB)
QP	30.97M	37.76	40.00	-2.24	-7.50	3	Vertical	290	2.00	-	45.26	23.53	1.15	32.18
QP	123.12M	42.33	43.50	-1.17	-11.38	3	Vertical	235	1.25	"Worst"	53.71	18.10	2.32	31.80
PK	149.31M	41.28	43.50	-2.22	-12.86	3	Vertical	107	3.00	-	54.14	16.49	2.58	31.93
QP	249.22M	44.26	46.00	-1.74	-10.33	3	Vertical	169	1.00	-	54.59	18.21	3.38	31.92
PK	269.59M	42.64	46.00	-3.36	-9.66	3	Vertical	163	2.00	-	52.30	18.75	3.55	31.96
PK	348.16M	42.96	46.00	-3.04	-7.78	3	Vertical	120	3.00	-	50.74	20.20	4.05	32.03

Mode 4



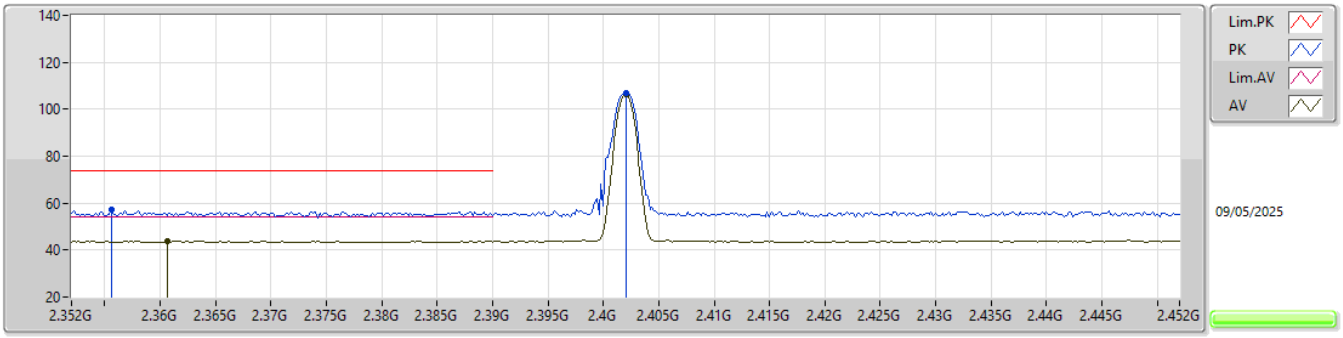
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV)	(dB/m)	(dB)	(dB)
QP	149.31M	42.36	43.50	-1.14	-12.86	3	Horizontal	31	2.00	"Worst"	55.22	16.49	2.58	31.93
PK	199.75M	41.76	43.50	-1.74	-13.74	3	Horizontal	184	1.50	-	55.50	15.19	2.98	31.91
QP	248.25M	44.20	46.00	-1.80	-10.45	3	Horizontal	196	1.00	-	54.65	18.09	3.38	31.92
QP	263.77M	43.75	46.00	-2.25	-9.06	3	Horizontal	200	1.00	-	52.81	19.39	3.50	31.95
PK	273.47M	44.03	46.00	-1.97	-9.80	3	Horizontal	221	1.25	-	53.83	18.59	3.58	31.97
QP	298.69M	44.05	46.00	-1.95	-9.15	3	Horizontal	22	1.00	-	53.20	19.10	3.78	32.03
QP	348.16M	43.02	46.00	-2.98	-7.78	3	Horizontal	48	1.00	-	50.80	20.20	4.05	32.03

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	2.4996G	45.15	54.00	-8.85	3	Vertical	297	2.18	-

2.4-2.4835GHz_BT-BR(1Mbps)

2402MHz_TX

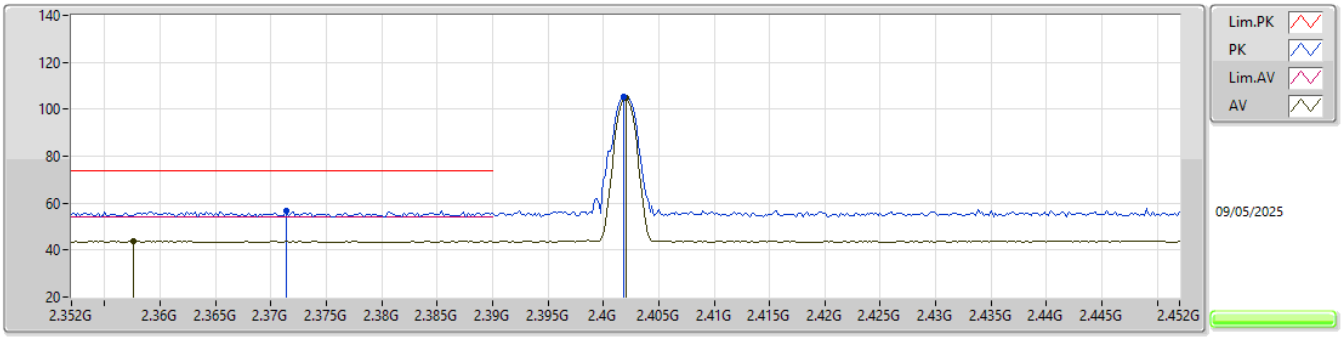


EUT X_1TX
Setting Default
01-U-S-4

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	2.3556G	57.08	74.00	-16.92	25.87	3	Vertical	56	1.00	-	27.50	3.71	-
AV	2.3606G	44.04	54.00	-9.96	12.84	3	Vertical	56	1.00	-	27.49	3.71	-
PK	2.402G	106.86	Inf	-Inf	75.64	3	Vertical	56	1.00	-	27.50	3.72	-
AV	2.402G	106.19	Inf	-Inf	74.97	3	Vertical	56	1.00	-	27.50	3.72	-

2.4-2.4835GHz_BT-BR(1Mbps)

2402MHz_TX

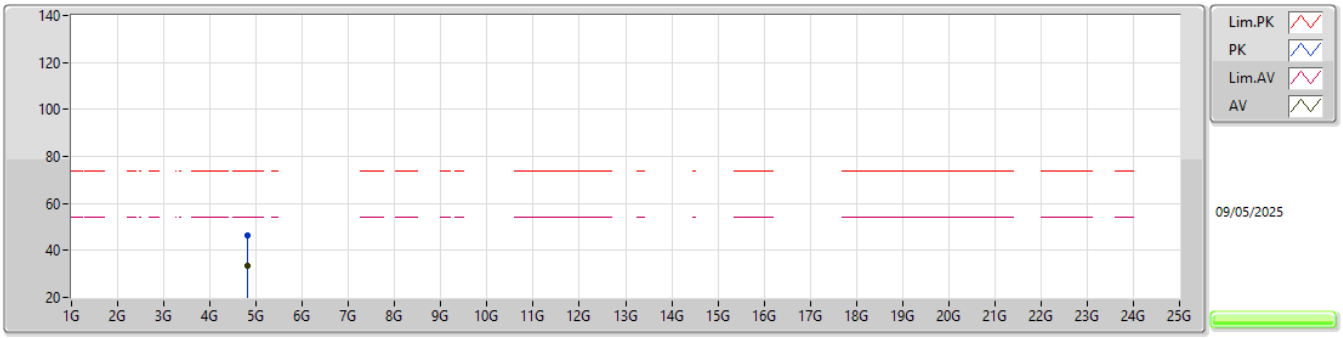


EUT X_1TX
Setting Default
01-U-S-4

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	2.3714G	56.76	74.00	-17.24	25.65	3	Horizontal	311	1.00	-	27.39	3.72	-
AV	2.3576G	43.90	54.00	-10.10	12.69	3	Horizontal	311	1.00	-	27.50	3.71	-
PK	2.4018G	105.15	Inf	-Inf	73.93	3	Horizontal	311	1.00	-	27.50	3.72	-
AV	2.402G	104.62	Inf	-Inf	73.40	3	Horizontal	311	1.00	-	27.50	3.72	-

2.4-2.4835GHz_BT-BR(1Mbps)

2402MHz_TX

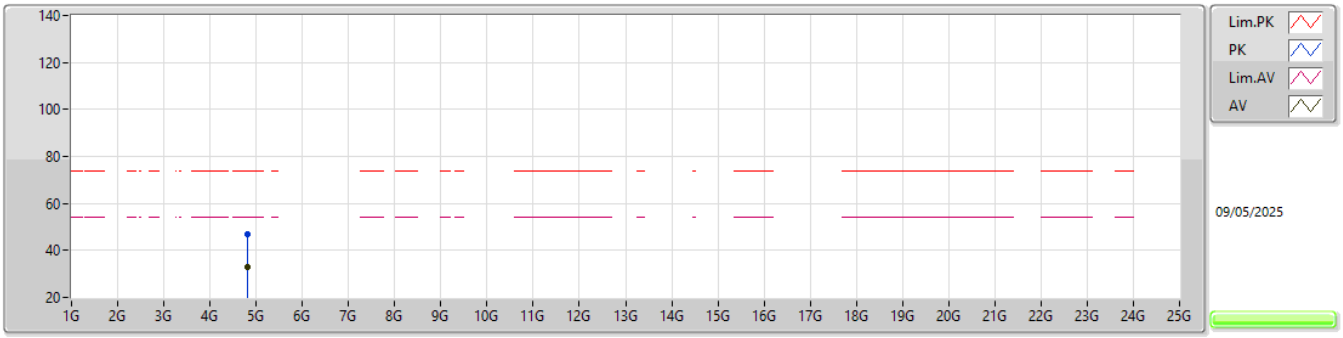


EUT X_1TX
Setting Default
01-U-S-4

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	4.80445G	46.50	74.00	-27.50	40.14	3	Vertical	203	1.14	-	32.52	6.41	32.57
AV	4.8038G	33.23	54.00	-20.77	26.87	3	Vertical	203	1.14	-	32.52	6.41	32.57

2.4-2.4835GHz_BT-BR(1Mbps)

2402MHz_TX

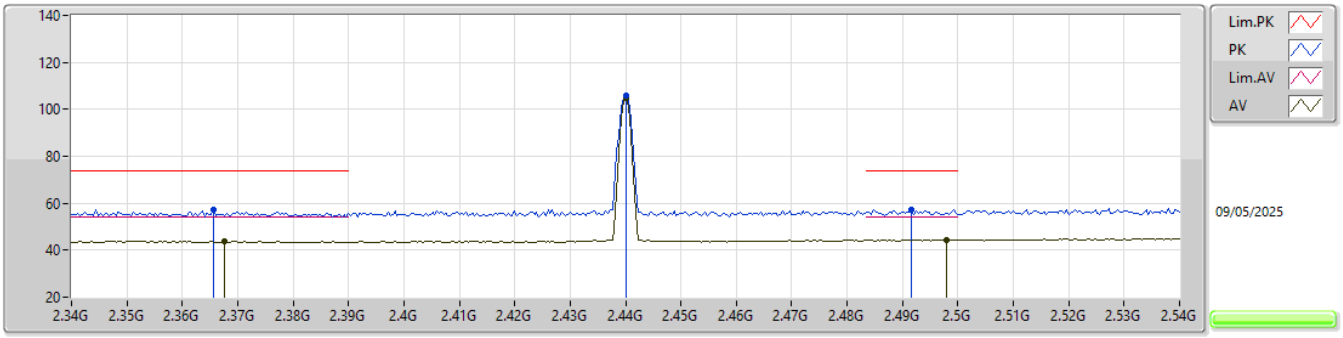


EUT X_1TX
Setting Default
01-U-S-4

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	4.80409G	47.02	74.00	-26.98	40.66	3	Horizontal	192	2.24	-	32.52	6.41	32.57
AV	4.8039G	32.99	54.00	-21.01	26.63	3	Horizontal	192	2.24	-	32.52	6.41	32.57

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_TX

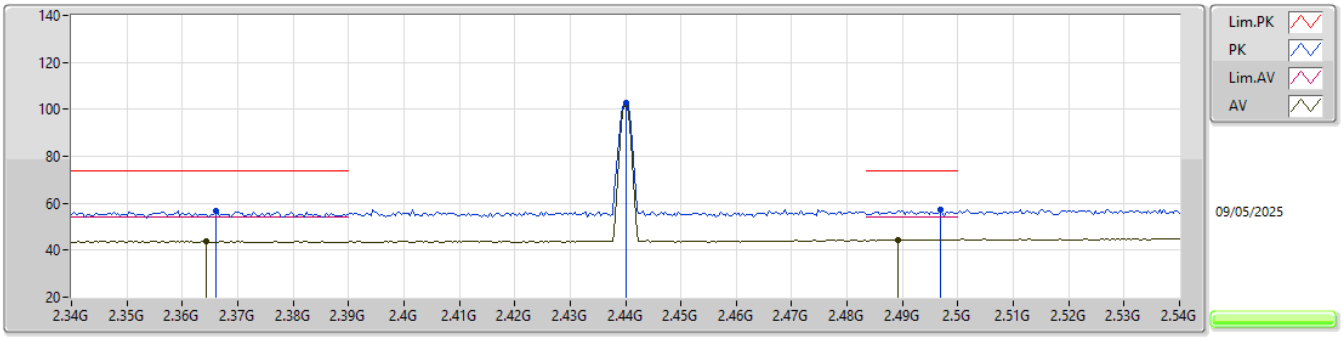


EUT X_1TX
Setting Default
01-U-S-4

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	2.3656G	57.24	74.00	-16.76	26.09	3	Vertical	55	1.00	-	27.44	3.71	-
AV	2.3676G	43.76	54.00	-10.24	12.62	3	Vertical	55	1.00	-	27.42	3.72	-
PK	2.44G	105.73	Inf	-Inf	74.37	3	Vertical	55	1.00	-	27.60	3.76	-
AV	2.44G	104.99	Inf	-Inf	73.63	3	Vertical	55	1.00	-	27.60	3.76	-
PK	2.4916G	57.47	74.00	-16.53	25.73	3	Vertical	55	1.00	-	27.92	3.82	-
AV	2.498G	44.44	54.00	-9.56	12.63	3	Vertical	55	1.00	-	27.98	3.83	-

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_TX

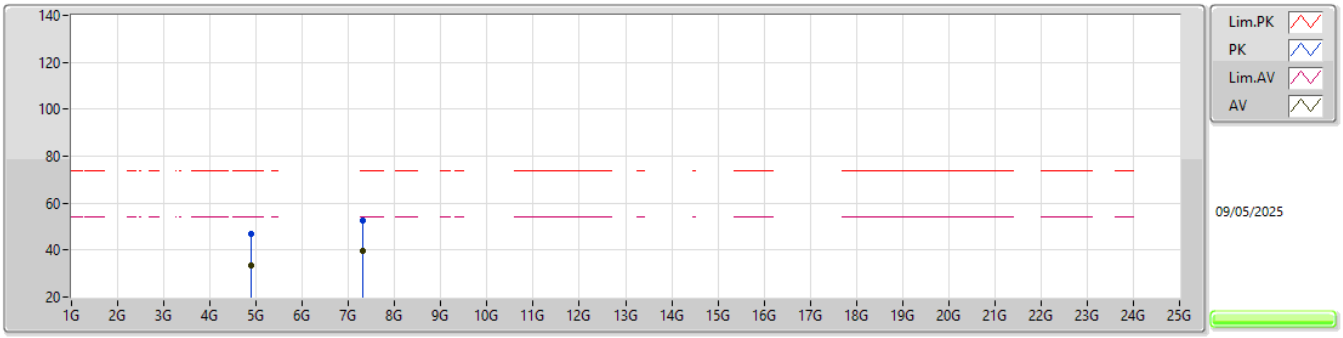


EUT X_1TX
Setting Default
01-U-S-4

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	2.366G	56.63	74.00	-17.37	25.48	3	Horizontal	18	1.11	-	27.44	3.71	-
AV	2.3644G	43.83	54.00	-10.17	12.66	3	Horizontal	18	1.11	-	27.46	3.71	-
PK	2.44G	102.98	Inf	-Inf	71.62	3	Horizontal	18	1.11	-	27.60	3.76	-
AV	2.44G	102.41	Inf	-Inf	71.05	3	Horizontal	18	1.11	-	27.60	3.76	-
PK	2.4968G	57.21	74.00	-16.79	25.41	3	Horizontal	18	1.11	-	27.97	3.83	-
AV	2.4892G	44.43	54.00	-9.57	12.72	3	Horizontal	18	1.11	-	27.89	3.82	-

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_TX

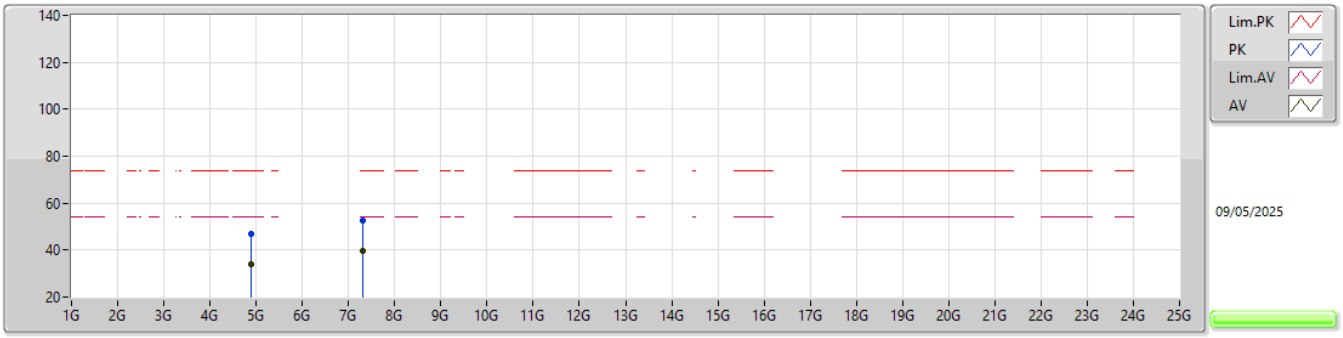


EUT X_1TX
Setting Default
01-U-S-4

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	4.88019G	46.66	74.00	-27.34	39.91	3	Vertical	105	1.63	-	32.82	6.51	32.58
AV	4.88014G	33.59	54.00	-20.41	26.84	3	Vertical	105	1.63	-	32.82	6.51	32.58
PK	7.32024G	52.58	74.00	-21.42	39.69	3	Vertical	38	2.14	-	37.54	7.98	32.63
AV	7.31976G	39.56	54.00	-14.44	26.67	3	Vertical	38	2.14	-	37.54	7.98	32.63

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_TX

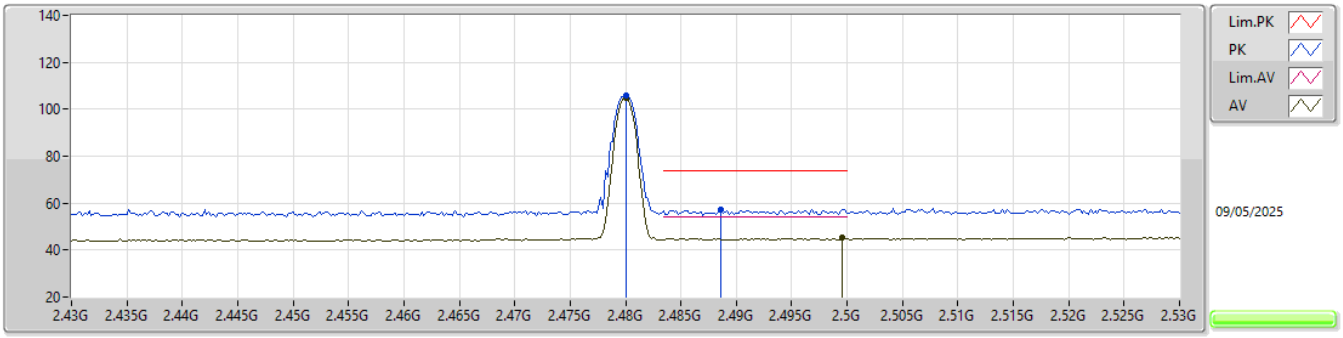


EUT X_1TX
Setting Default
01-U-S-4

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	4.87958G	46.86	74.00	-27.14	40.11	3	Horizontal	307	1.06	-	32.82	6.51	32.58
AV	4.88045G	33.73	54.00	-20.27	26.98	3	Horizontal	307	1.06	-	32.82	6.51	32.58
PK	7.32013G	52.72	74.00	-21.28	39.83	3	Horizontal	307	1.37	-	37.54	7.98	32.63
AV	7.32041G	39.60	54.00	-14.40	26.71	3	Horizontal	307	1.37	-	37.54	7.98	32.63

2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX

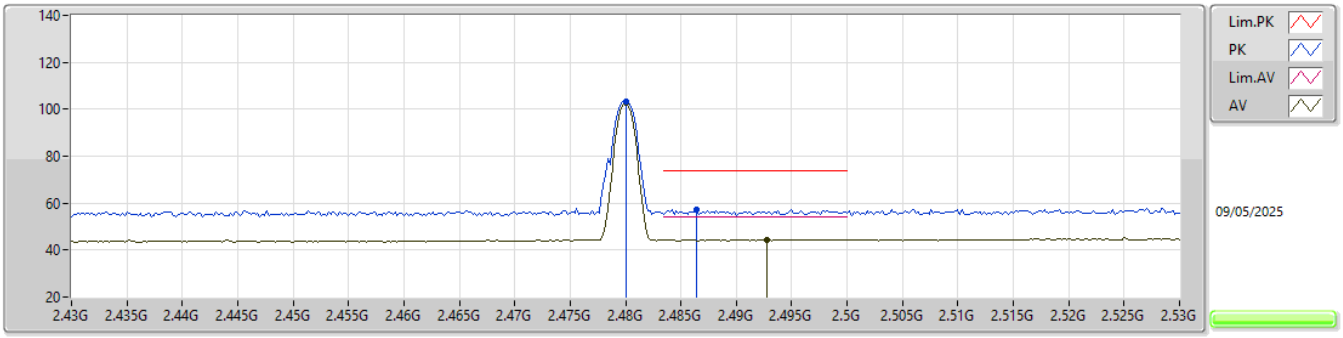


EUT X_1TX
Setting Default
01-U-S-4

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	105.80	Inf	-Inf	74.19	3	Vertical	297	2.18	-	27.80	3.81	-
AV	2.48G	105.05	Inf	-Inf	73.44	3	Vertical	297	2.18	-	27.80	3.81	-
PK	2.4886G	57.23	74.00	-16.77	25.52	3	Vertical	297	2.18	-	27.89	3.82	-
AV	2.4996G	45.15	54.00	-8.85	13.32	3	Vertical	297	2.18	-	28.00	3.83	-

2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX

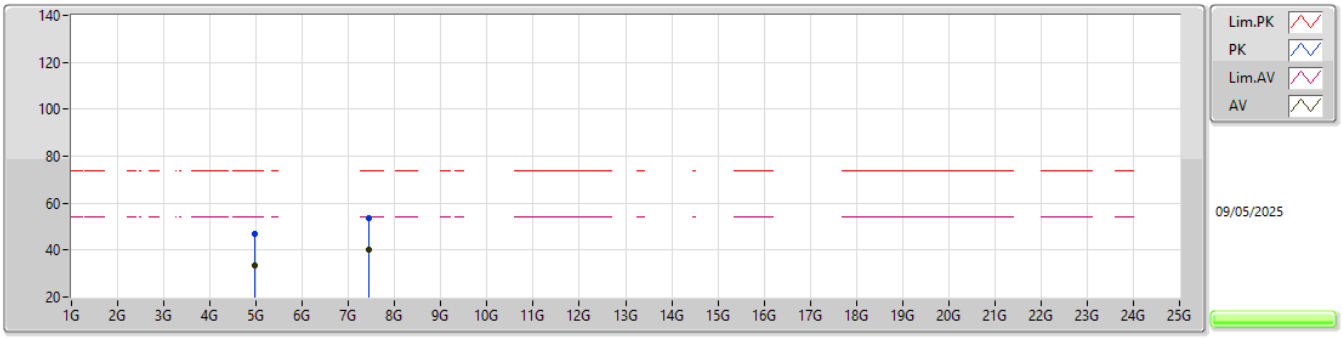


EUT X_1TX
Setting Default
01-U-S-4

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	103.40	Inf	-Inf	71.79	3	Horizontal	313	1.13	-	27.80	3.81	-
AV	2.48G	102.59	Inf	-Inf	70.98	3	Horizontal	313	1.13	-	27.80	3.81	-
PK	2.4864G	57.37	74.00	-16.63	25.69	3	Horizontal	313	1.13	-	27.86	3.82	-
AV	2.4928G	44.56	54.00	-9.44	12.81	3	Horizontal	313	1.13	-	27.93	3.82	-

2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX

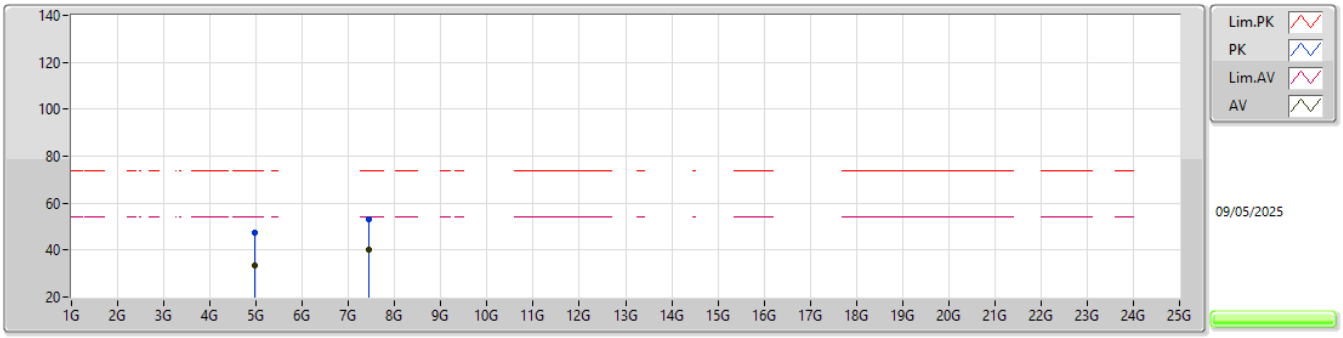


EUT X_1TX
Setting Default
01-U-S-4

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	4.95989G	46.72	74.00	-27.28	39.70	3	Vertical	51	2.52	-	32.98	6.62	32.58
AV	4.96044G	33.69	54.00	-20.31	26.67	3	Vertical	51	2.52	-	32.98	6.62	32.58
PK	7.44026G	53.68	74.00	-20.32	40.68	3	Vertical	175	2.80	-	37.52	8.06	32.58
AV	7.44013G	40.15	54.00	-13.85	27.15	3	Vertical	175	2.80	-	37.52	8.06	32.58

2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX

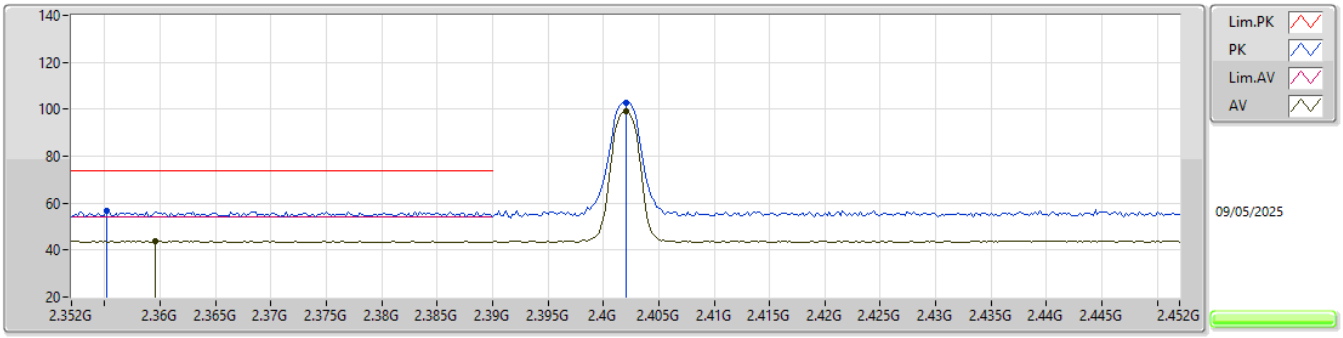


EUT X_1TX
Setting Default
01-U-S-4

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	4.95977G	47.16	74.00	-26.84	40.14	3	Horizontal	347	2.77	-	32.98	6.62	32.58
AV	4.96039G	33.40	54.00	-20.60	26.38	3	Horizontal	347	2.77	-	32.98	6.62	32.58
PK	7.44007G	53.22	74.00	-20.78	40.22	3	Horizontal	8	1.20	-	37.52	8.06	32.58
AV	7.44039G	40.05	54.00	-13.95	27.05	3	Horizontal	8	1.20	-	37.52	8.06	32.58

2.4-2.4835GHz_BT-EDR(3Mbps)

2402MHz_TX

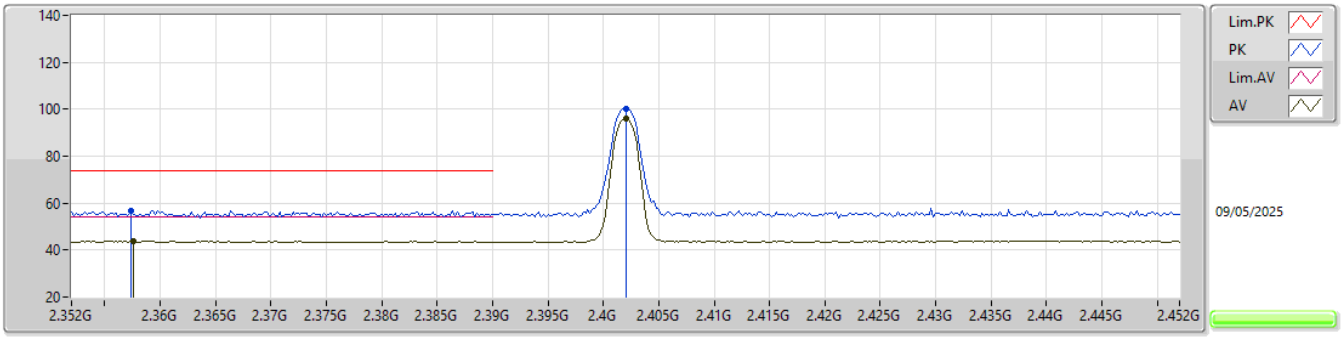


EUT X_1TX
Setting Default
01-U-S-4

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	2.3552G	56.47	74.00	-17.53	25.26	3	Vertical	290	1.80	-	27.50	3.71	-
AV	2.3596G	43.74	54.00	-10.26	12.53	3	Vertical	290	1.80	-	27.50	3.71	-
PK	2.402G	103.00	Inf	-Inf	71.78	3	Vertical	290	1.80	-	27.50	3.72	-
AV	2.402G	99.02	Inf	-Inf	67.80	3	Vertical	290	1.80	-	27.50	3.72	-

2.4-2.4835GHz_BT-EDR(3Mbps)

2402MHz_TX

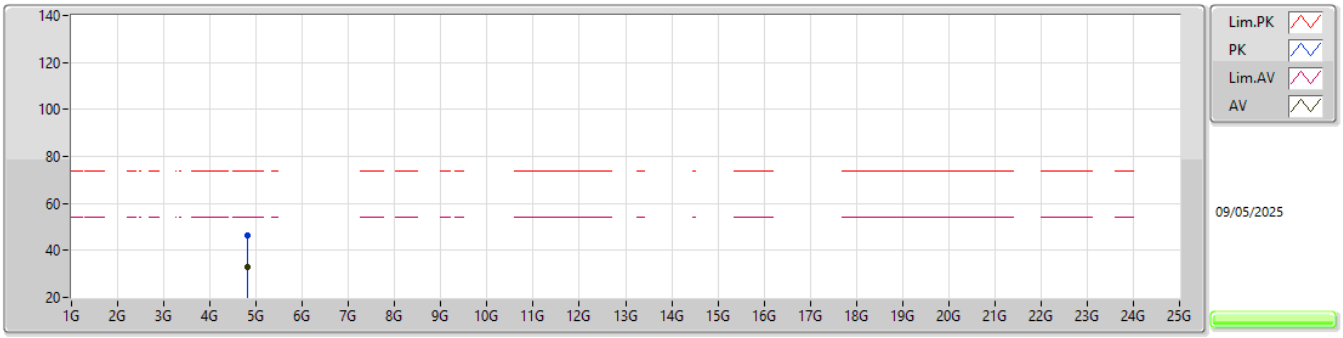


EUT X_1TX
Setting Default
01-U-S-4

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	2.3574G	56.81	74.00	-17.19	25.60	3	Horizontal	20	1.07	-	27.50	3.71	-
AV	2.3576G	43.90	54.00	-10.10	12.69	3	Horizontal	20	1.07	-	27.50	3.71	-
PK	2.402G	100.05	Inf	-Inf	68.83	3	Horizontal	20	1.07	-	27.50	3.72	-
AV	2.402G	96.08	Inf	-Inf	64.86	3	Horizontal	20	1.07	-	27.50	3.72	-

2.4-2.4835GHz_BT-EDR(3Mbps)

2402MHz_TX

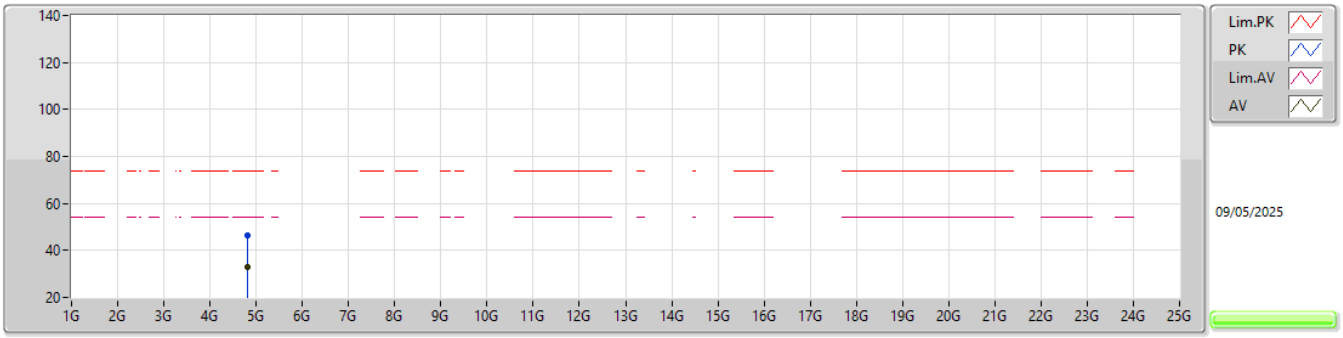


EUT X_1TX
Setting Default
01-U-S-4

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	4.80431G	46.35	74.00	-27.65	39.99	3	Vertical	318	2.13	-	32.52	6.41	32.57
AV	4.80431G	32.91	54.00	-21.09	26.55	3	Vertical	318	2.13	-	32.52	6.41	32.57

2.4-2.4835GHz_BT-EDR(3Mbps)

2402MHz_TX

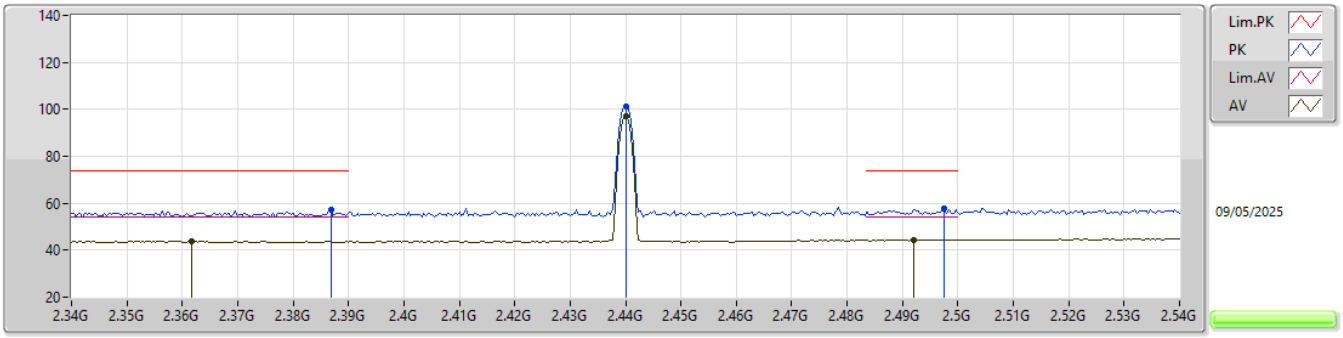


EUT X_1TX
Setting Default
01-U-S-4

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	4.80411G	46.32	74.00	-27.68	39.96	3	Horizontal	159	2.85	-	32.52	6.41	32.57
AV	4.80376G	32.84	54.00	-21.16	26.48	3	Horizontal	159	2.85	-	32.52	6.41	32.57

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz_TX

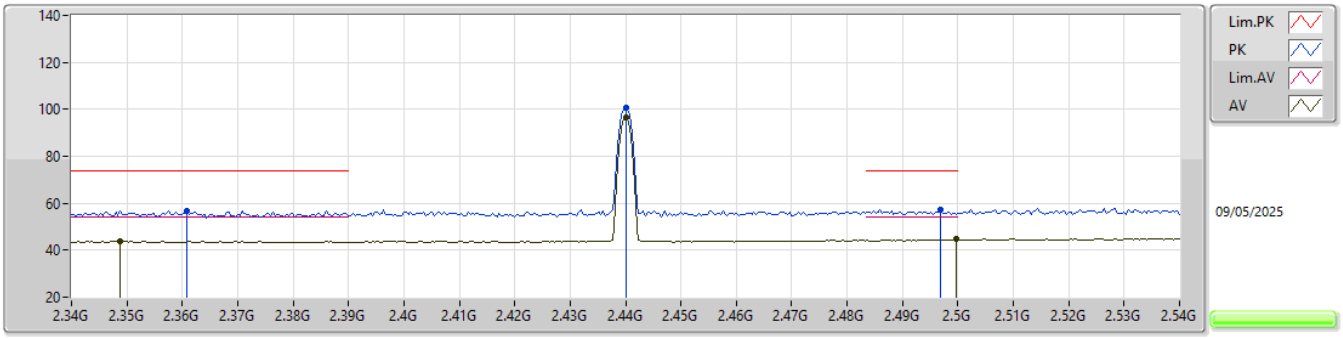


EUT X_1TX
Setting Default
01-U-S-4

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	2.3868G	57.18	74.00	-16.82	26.09	3	Vertical	289	1.80	-	27.37	3.72	-
AV	2.3616G	43.95	54.00	-10.05	12.76	3	Vertical	289	1.80	-	27.48	3.71	-
PK	2.44G	101.37	Inf	-Inf	70.01	3	Vertical	289	1.80	-	27.60	3.76	-
AV	2.44G	97.19	Inf	-Inf	65.83	3	Vertical	289	1.80	-	27.60	3.76	-
PK	2.4976G	57.75	74.00	-16.25	25.94	3	Vertical	289	1.80	-	27.98	3.83	-
AV	2.492G	44.51	54.00	-9.49	12.77	3	Vertical	289	1.80	-	27.92	3.82	-

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz_TX

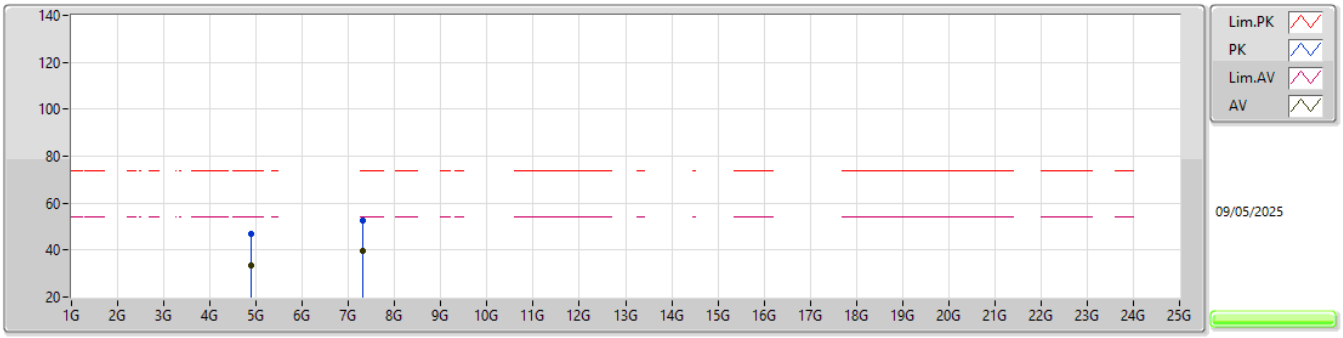


EUT X_1TX
Setting Default
01-U-S-4

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	2.3608G	56.77	74.00	-17.23	25.57	3	Horizontal	18	1.00	-	27.49	3.71	-
AV	2.3488G	43.77	54.00	-10.23	12.57	3	Horizontal	18	1.00	-	27.49	3.71	-
PK	2.44G	100.68	Inf	-Inf	69.32	3	Horizontal	18	1.00	-	27.60	3.76	-
AV	2.44G	96.53	Inf	-Inf	65.17	3	Horizontal	18	1.00	-	27.60	3.76	-
PK	2.4968G	57.44	74.00	-16.56	25.64	3	Horizontal	18	1.00	-	27.97	3.83	-
AV	2.4996G	44.77	54.00	-9.23	12.94	3	Horizontal	18	1.00	-	28.00	3.83	-

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz_TX

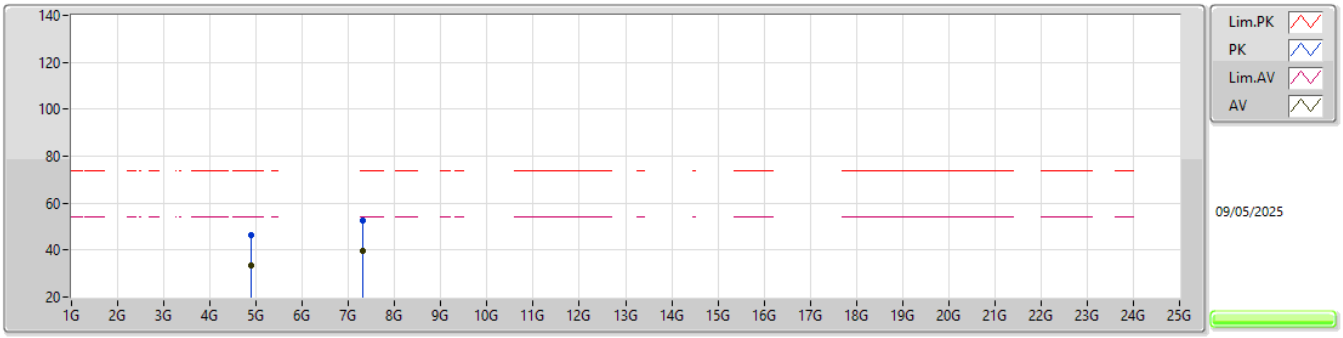


EUT X_1TX
Setting Default
01-U-S-4

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	4.88009G	47.08	74.00	-26.92	40.33	3	Vertical	241	2.71	-	32.82	6.51	32.58
AV	4.88012G	33.19	54.00	-20.81	26.44	3	Vertical	241	2.71	-	32.82	6.51	32.58
PK	7.31973G	52.73	74.00	-21.27	39.84	3	Vertical	15	2.36	-	37.54	7.98	32.63
AV	7.32029G	39.44	54.00	-14.56	26.55	3	Vertical	15	2.36	-	37.54	7.98	32.63

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz_TX

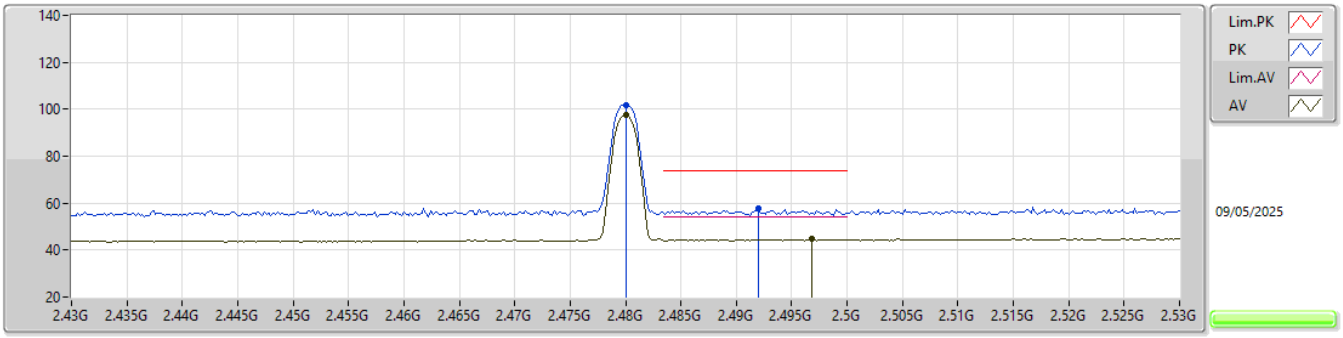


EUT X_1TX
Setting Default
01-U-S-4

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	4.88022G	46.22	74.00	-27.78	39.47	3	Horizontal	207	2.16	-	32.82	6.51	32.58
AV	4.88G	33.32	54.00	-20.68	26.57	3	Horizontal	207	2.16	-	32.82	6.51	32.58
PK	7.32049G	52.38	74.00	-21.62	39.49	3	Horizontal	170	1.75	-	37.54	7.98	32.63
AV	7.32034G	39.50	54.00	-14.50	26.61	3	Horizontal	170	1.75	-	37.54	7.98	32.63

2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX

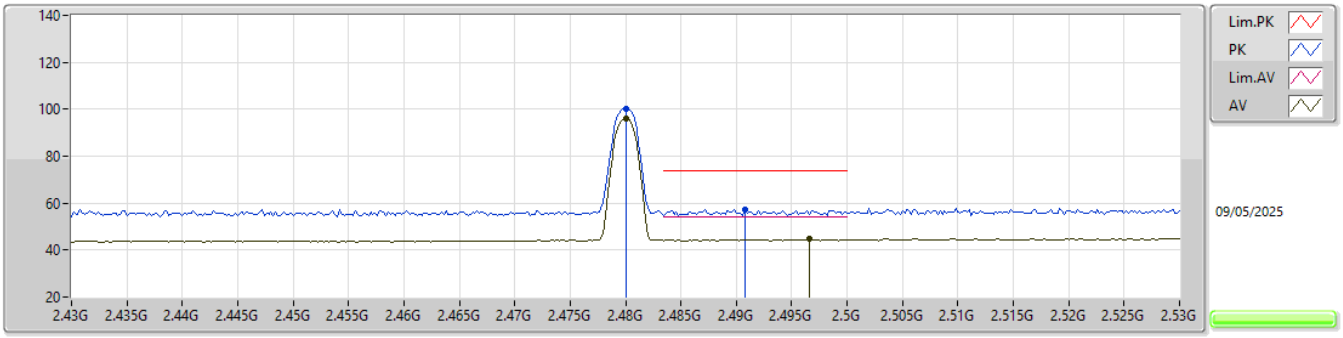


EUT X_1TX
Setting Default
01-U-S-4

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	101.98	Inf	-Inf	70.37	3	Vertical	96	1.00	-	27.80	3.81	-
AV	2.48G	97.73	Inf	-Inf	66.12	3	Vertical	96	1.00	-	27.80	3.81	-
PK	2.492G	57.68	74.00	-16.32	25.94	3	Vertical	96	1.00	-	27.92	3.82	-
AV	2.4968G	44.82	54.00	-9.18	13.02	3	Vertical	96	1.00	-	27.97	3.83	-

2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX

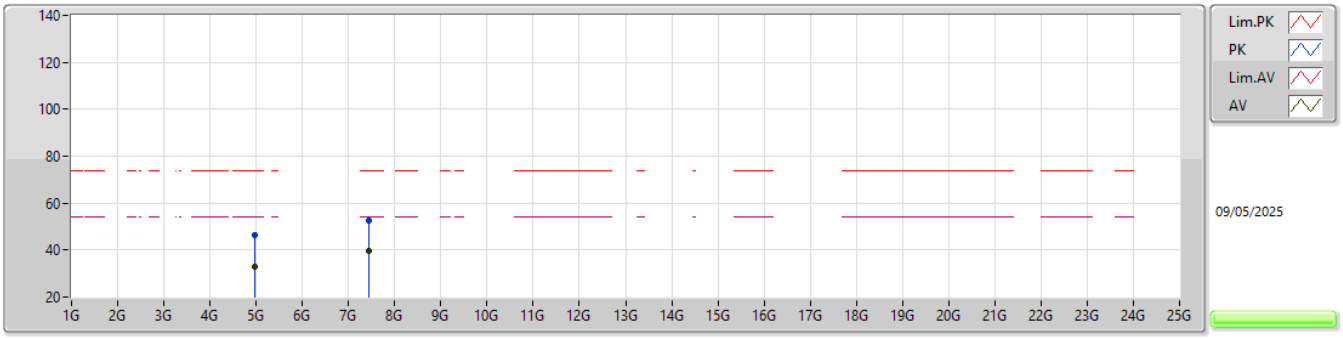


EUT X_1TX
Setting Default
01-U-S-4

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	100.35	Inf	-Inf	68.74	3	Horizontal	18	1.10	-	27.80	3.81	-
AV	2.48G	96.21	Inf	-Inf	64.60	3	Horizontal	18	1.10	-	27.80	3.81	-
PK	2.4908G	57.35	74.00	-16.65	25.62	3	Horizontal	18	1.10	-	27.91	3.82	-
AV	2.4966G	44.58	54.00	-9.42	12.78	3	Horizontal	18	1.10	-	27.97	3.83	-

2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX

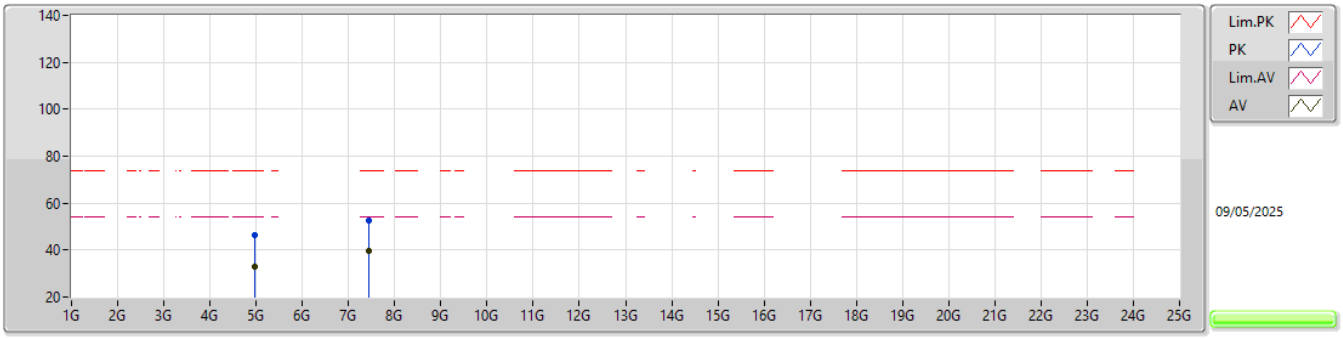


EUT X_1TX
Setting Default
01-U-S-4

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	4.9605G	46.35	74.00	-27.65	39.33	3	Vertical	238	2.76	-	32.98	6.62	32.58
AV	4.95989G	32.89	54.00	-21.11	25.87	3	Vertical	238	2.76	-	32.98	6.62	32.58
PK	7.43965G	52.71	74.00	-21.29	39.71	3	Vertical	283	2.89	-	37.52	8.06	32.58
AV	7.43972G	39.43	54.00	-14.57	26.43	3	Vertical	283	2.89	-	37.52	8.06	32.58

2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX



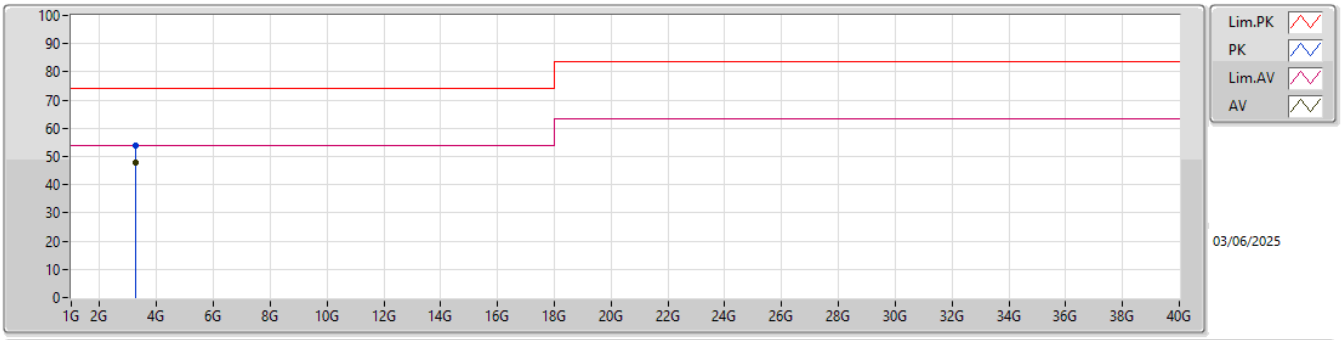
EUT X_1TX
Setting Default
01-U-S-4

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	4.9597G	46.38	74.00	-27.62	39.36	3	Horizontal	64	1.09	-	32.98	6.62	32.58
AV	4.95986G	33.08	54.00	-20.92	26.06	3	Horizontal	64	1.09	-	32.98	6.62	32.58
PK	7.4396G	52.62	74.00	-21.38	39.62	3	Horizontal	355	2.08	-	37.52	8.06	32.58
AV	7.43983G	39.44	54.00	-14.56	26.44	3	Horizontal	355	2.08	-	37.52	8.06	32.58

Summary

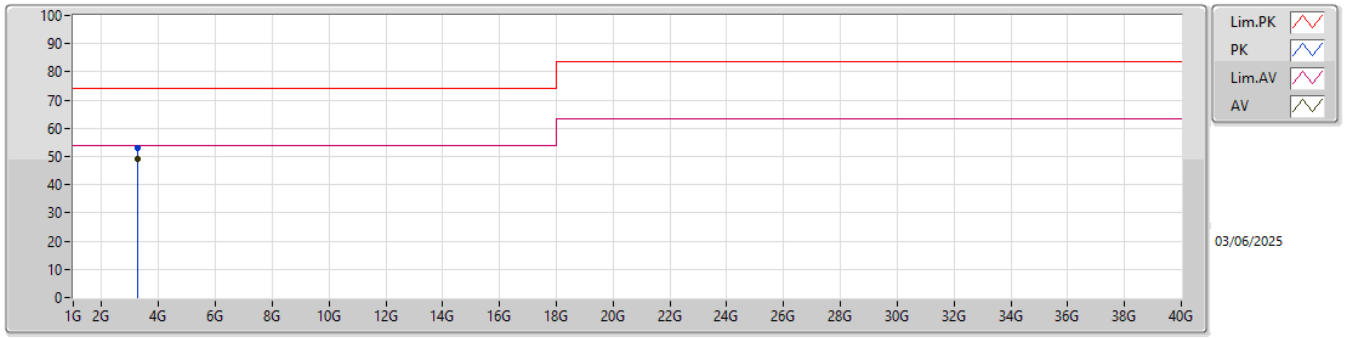
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	AV	3.26092G	49.01	54.00	-4.99	Horizontal

Mode 2



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)	(dB/m)	(dB)	(dB)
PK	3.28024G	53.72	74.00	-20.28	0.11	3	Vertical	302	2.58	-	53.61	28.42	5.40	33.71
AV	3.28034G	47.77	54.00	-6.23	0.11	3	Vertical	302	2.58	"Worst"	47.66	28.42	5.40	33.71

Mode 2



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)	(dB/m)	(dB)	(dB)
PK	3.26012G	53.05	74.00	-20.95	0.19	3	Horizontal	358	1.08	-	52.86	28.54	5.36	33.71
AV	3.26092G	49.01	54.00	-4.99	0.18	3	Horizontal	358	1.08	"Worst"	48.83	28.53	5.36	33.71