



RADIO TEST REPORT

FCC ID : TLZ-XMA06
Equipment : IEEE 802.11 2X2 a/b/g/n/ac/ax WiFi 6/6E Wireless LAN + Bluetooth 5.3 LGA Module
Brand Name : AzureWave
Model Name : AW-XMA06-T
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 Apr. 01, 2025, and testing was started from Jun. 13, 2025 and completed on Aug. 04, 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 C63.10-2020 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



TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_5 Ver1.3



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/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

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

Reviewed by: Sam Chen

Report Producer: Vicky Huang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Version	Ch. Frequency (MHz)	Channel Number
2400-2483.5	BR / EDR	2402-2480	0-78 [79]

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

Note:

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

1.1.2 Antenna Information

Set	Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1~3	ARISTOTLE	RFA-27-JP326MHF4C198	PIFA	I-PEX	Note 1
2	1~3	ARISTOTLE	RFA-27-JP326-C198	PIFA	I-PEX	

Note 1:

Set	Ant.	Port	Gain (dBi)		
			WLAN 2.4GHz	Bluetooth	WLAN 5GHz / WLAN 6GHz
1	1	1	3.5	-	5
	2	2	3.5	-	5
	3	1	-	3.5	-
2	1	1	3.5	-	5
	2	2	3.5	-	5
	3	1	-	3.5	-

Note 2: The above information was declared by manufacturer.

Note 3: The EUT has two sets of antennas, each with three antennas. Because antenna sets 1 and 2 are the same type and gain, only antenna set 1 was tested.

Note 4:

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Bluetooth function (1TX/1RX):

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

Note 5: Directional gain information

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} \xi_{j,k} \right)^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} \xi_{j,k} \right)^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} \xi_{j,k} \right)^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} \xi_{j,k} \right)^2}{N_{ANT}} \right]$$

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

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

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

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

Where ;

$$2.4G \ G1 = 3.5 \text{ dBi} ; G2 = 3.5 \text{ dBi} ; DG = 6.51 \text{ dBi}$$

$$5G \text{ UNII-1} \ G1 = 5 \text{ dBi} ; G2 = 5 \text{ dBi} ; DG = 8.01 \text{ dBi}$$

$$5G \text{ UNII-2A} \ G1 = 5 \text{ dBi} ; G2 = 5 \text{ dBi} ; DG = 8.01 \text{ dBi}$$

$$5G \text{ UNII-2C} \ G1 = 5 \text{ dBi} ; G2 = 5 \text{ dBi} ; DG = 8.01 \text{ dBi}$$

$$5G \text{ UNII-3} \ G1 = 5 \text{ dBi} ; G2 = 5 \text{ dBi} ; DG = 8.01 \text{ dBi}$$

$$5G \text{ UNII-4} \ G1 = 5 \text{ dBi} ; G2 = 5 \text{ dBi} ; DG = 8.01 \text{ dBi}$$

$$6G \text{ UNII-5} \ G1 = 5 \text{ dBi} ; G2 = 5 \text{ dBi} ; DG = 8.01 \text{ dBi}$$

$$6G \text{ UNII-6} \ G1 = 5 \text{ dBi} ; G2 = 5 \text{ dBi} ; DG = 8.01 \text{ dBi}$$

$$6G \text{ UNII-7} \ G1 = 5 \text{ dBi} ; G2 = 5 \text{ dBi} ; DG = 8.01 \text{ dBi}$$

$$6G \text{ UNII-8} \ G1 = 5 \text{ dBi} ; G2 = 5 \text{ dBi} ; DG = 8.01 \text{ dBi}$$

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-BR(1Mbps)	0.805	0.94	2.89m	500
BT-EDR(2Mbps)	0.741	1.3	2.888m	500
BT-EDR(3Mbps)	0.741	1.3	2.888m	500

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	DutApiMimoApApp_LABTOOL_UNIFIED.exe



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.247
- ♦ ANSI C63.10-2020

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	TH03-CB	Brian Sun	21~22.6 / 61~61	Jul. 23, 2025~ Aug. 04, 2025
Radiated (Below 1GHz)	03CH01-CB	Nyle Chang	21.3~22.3 / 58~61	Jul. 24, 2025~ Jul. 25, 2025
Radiated (Above 1GHz)	03CH01-CB	Nyle Chang	21.3~22.3 / 58~61	Aug. 01, 2025~ Aug. 04, 2025
Radiated (Co-location)	03CH01-CB	Nyle Chang	21.3~22.3 / 58~61	Jul. 24, 2025~ Jul. 25, 2025
AC Conduction	CO01-CB	Gray Lee	22~23 / 58~60	Jun. 13, 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 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%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.0 dB	Confidence levels of 95%
Bandwidth Measurement	1.0 %	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+WLAN 2.4GHz+Antenna set 1
2	EUT+Bluetooth+Antenna set 1
3	EUT+WLAN 5GHz+Antenna set 1
4	EUT+WLAN 6GHz+Antenna set 1
For operating mode 1 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+Antenna set 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 Z axis+WLAN 2.4GHz+Antenna set 1
2	EUT in Z axis+Bluetooth+Antenna set 1
3	EUT in X axis+WLAN 5GHz+Antenna set 1
4	EUT in X axis+WLAN 6GHz+Antenna set 1
For operating mode 2 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 for Harmonic+Antenna set 1 EUT in Z axis for Bandedge+Antenna set 1

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+Antenna set 1
2	EUT in X axis+Bluetooth+WLAN 5GHz+Antenna set 1
3	EUT in X axis+Bluetooth+WLAN 6GHz+Antenna set 1
For operating mode 1 is the worst case and it was record in this test report.	
Refer to Appendix H 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+Antenna set 1
2	EUT+Bluetooth+WLAN 5GHz+Antenna set 1
3	EUT+Bluetooth+WLAN 6GHz+Antenna set 1
Refer to Sporton Test Report No.: FA521125 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	Lenovo	X260	N/A
B	Earphone	SHYARO CHI	MIC-04	N/A
C	Mouse	Logitech	M-U0026	N/A
D	Fixture	Azurewave	2460-i11	N/A
E	Fixture	Azurewave	2A06-I3	N/A

For Radiated:

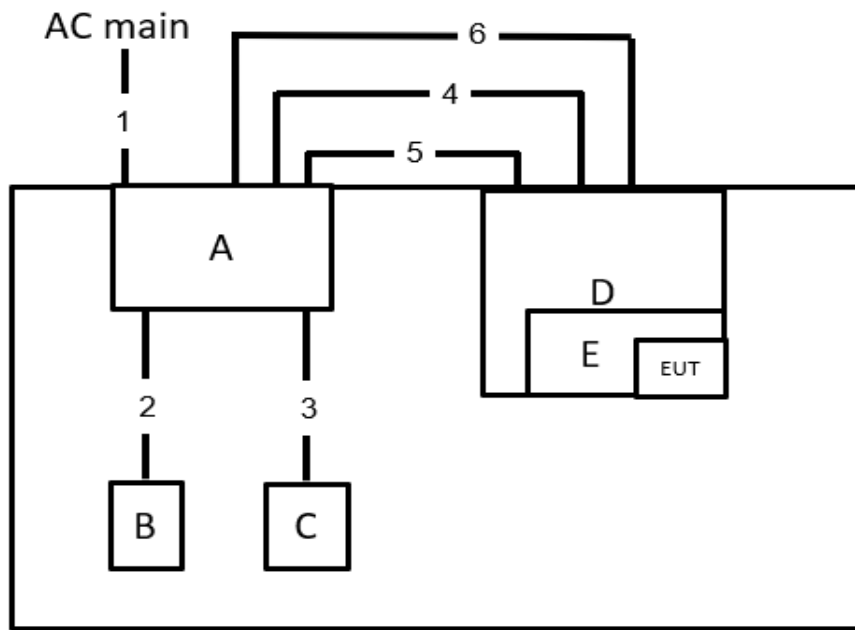
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Fixture	Azurewave	2460-i11	N/A
B	Fixture	Azurewave	2A06-I3	N/A
C	NB	DELL	E4300	N/A

For RF Conducted:

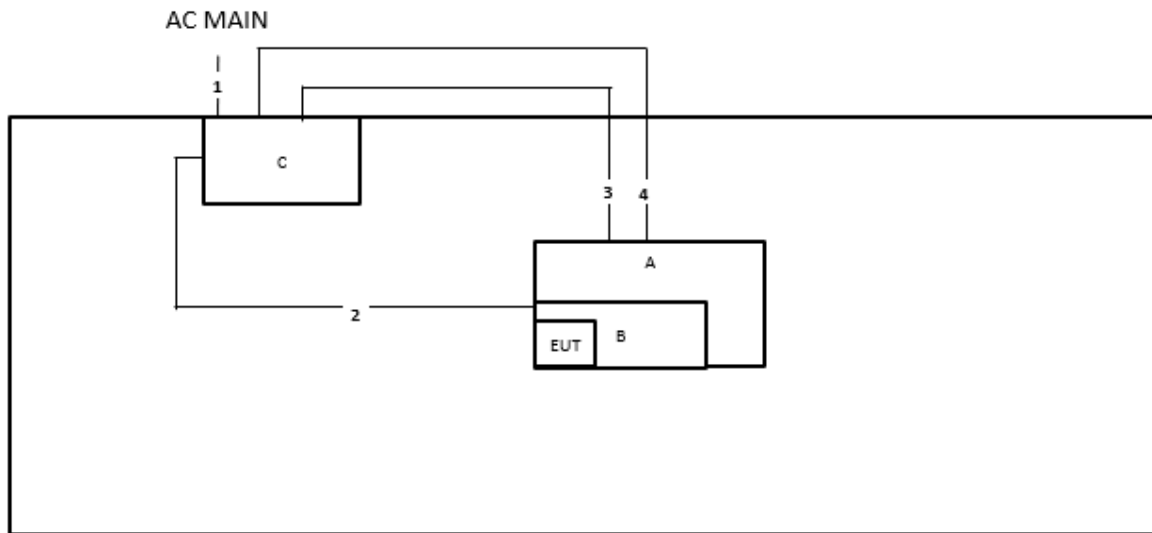
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Fixture	Azurewave	2A06-I3	N/A
C	Fixture	Azurewave	2460-i11	N/A

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	1.8m
5	Micro USB cable	Yes	1.5m
6	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	USB to Type C cable	Yes	0.3m
3	USB to Micro cable	Yes	0.7m
4	RJ-45 cable	No	1.5m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

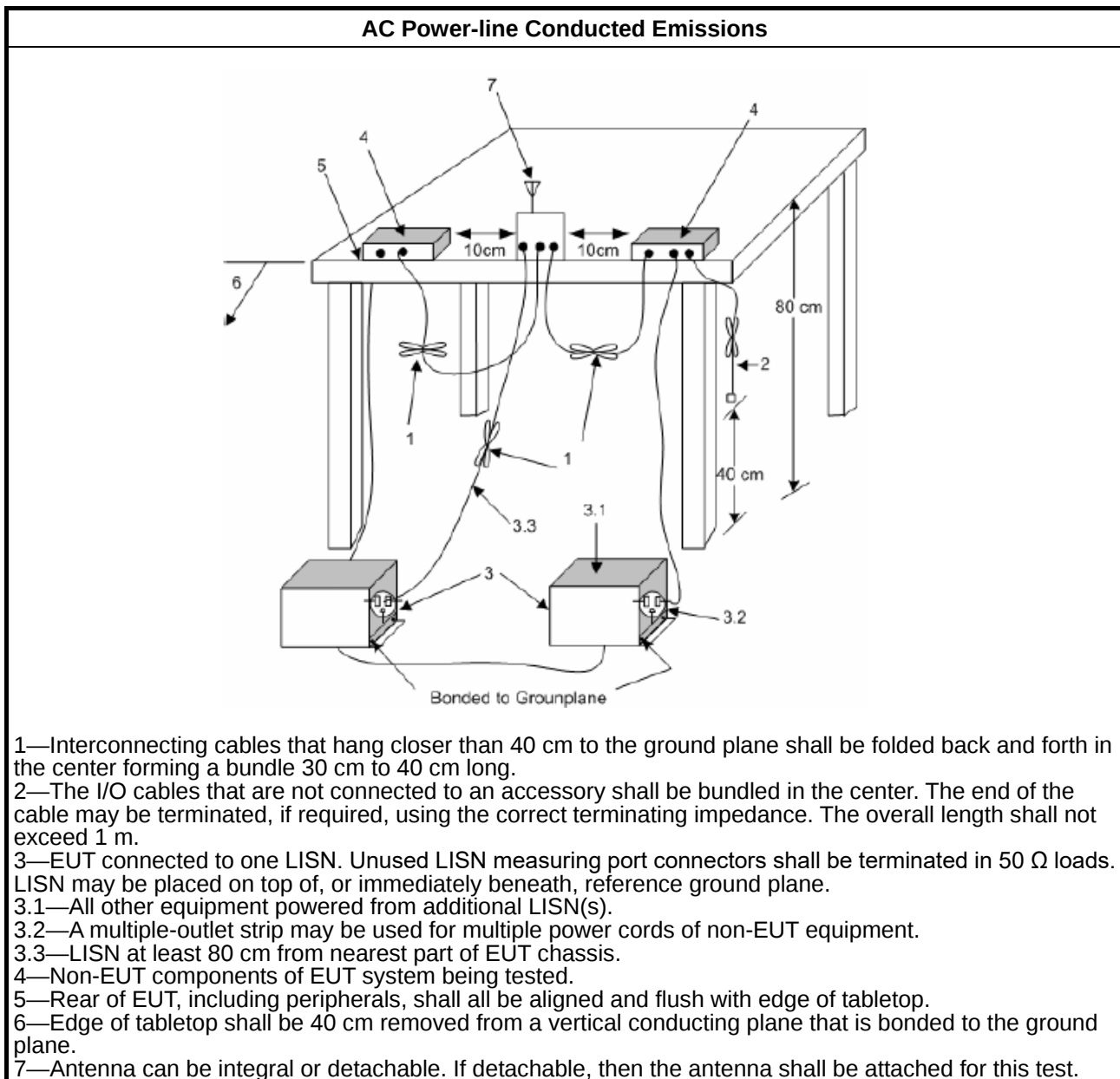
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



1.1.1. Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- Margin = -Limit + Level

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 20dB Bandwidth and Carrier Frequency Separation

3.2.1 20dB Bandwidth and Carrier Frequency Separation Limit

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

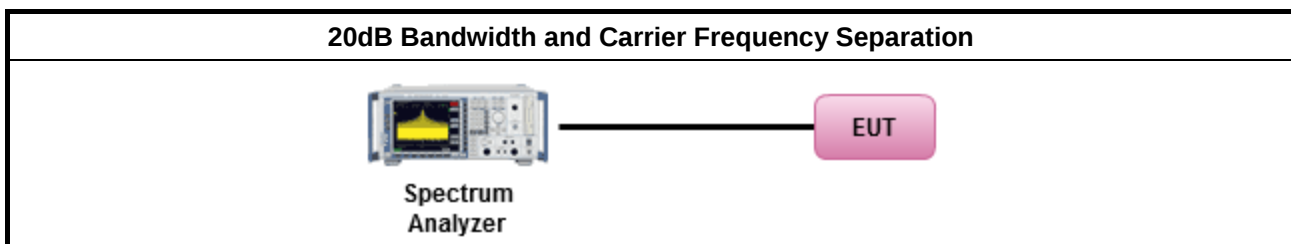
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2020, clause 6.9.1 for 20 dB bandwidth measurement.
▪ Refer as ANSI C63.10-2020, clause 7.8.2 for carrier frequency separation measurement.

3.2.4 Test Setup



3.2.5 Test Result of 20dB Bandwidth

Refer as Appendix B

3.2.6 Test Result of Carrier Frequency Separation

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
▪ 902-928 MHz Band:	
▪ $N \geq 50$; Power 30dBm; EIRP 36dBm	
▪ $50 > N \geq 25$; Power 23.98dBm; EIRP 29.98dBm	
▪ 2400-2483.5 MHz Band:	
▪ $N \geq 75$; Power 30dBm; EIRP 36dBm	
▪ $75 > N \geq 15$; Power 21dBm; EIRP 27dBm	
▪ 5725-5850 MHz Band:	
▪ $N \geq 75$; 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 C63.10-2020, clause 7.8.5 for output power measurement.

3.3.4 Test Setup

Maximum Conducted Output Power (Peak Power Meter)
 The diagram illustrates the test setup for measuring Maximum Conducted Output Power. It shows a Power Meter (a blue and white device with a screen and buttons) connected via a cable to an EUT (Equipment Under Test), which is represented by a pink rectangular block labeled 'EUT'.

3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Number of Hopping Frequencies and Hopping Bandedge

3.4.1 Number of Hopping Frequencies Limit

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

3.4.2 Hopping Bandedge Limit

Refer clause 3.6.1 and clause 3.7.1

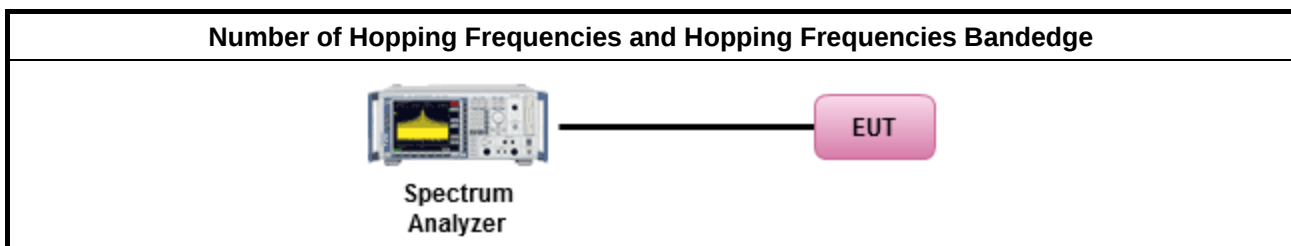
3.4.3 Measuring Instruments

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

3.4.4 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2020, clause 7.8.3 for number of hopping frequencies measurement.
▪ Refer as ANSI C63.10-2020, clause 7.8.6 for hopping frequencies Bandedge measurement.

3.4.5 Test Setup



3.4.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

3.5 Time of Occupancy (Dwell Time)

3.5.1 Time of Occupancy (Dwell Time) Limit

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

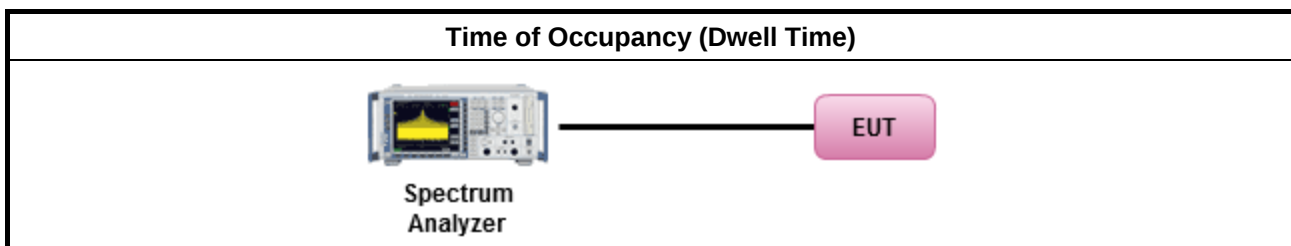
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method	
▪ Refer as ANSI C63.10-2020, clause 7.8.4 for dwell time measurement.	
▪ Bluetooth ACL packets can be 1, 3, or 5 time slots. Following as dwell time. Operate DH5 at maximum dwell time and maximum duty cycle.	
	▪ The DH5 packet can cover up to 5 time slots. Operate DH5 at maximum dwell time and maximum duty cycle. A maximum length packet has duration of 5 time slots. The hopping rate is 1600 hops/second so the maximum dwell time is $5/1600$ seconds, or 3.125ms. DH5 Packet permit maximum $1600 / 79 / 6 = 3.37$ hops per second in each channel.

3.5.4 Test Setup



3.5.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix E

3.6 Emissions in Non-restricted Frequency Bands

3.6.1 Emissions in Non-restricted Frequency Bands Limit

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

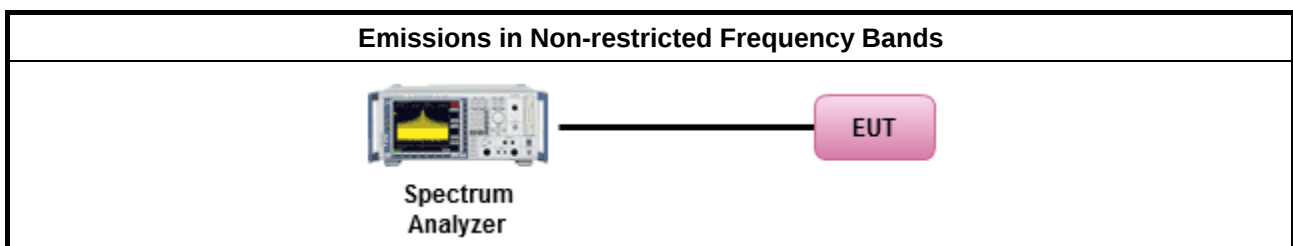
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
Refer as ANSI C63.10-2020, clause 7.8.8 for unwanted emissions into non-restricted bands.

3.6.4 Test Setup



3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F



3.7 Emissions in Restricted Frequency Bands

3.7.1 Emissions in Restricted Frequency Bands Limit

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

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

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

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

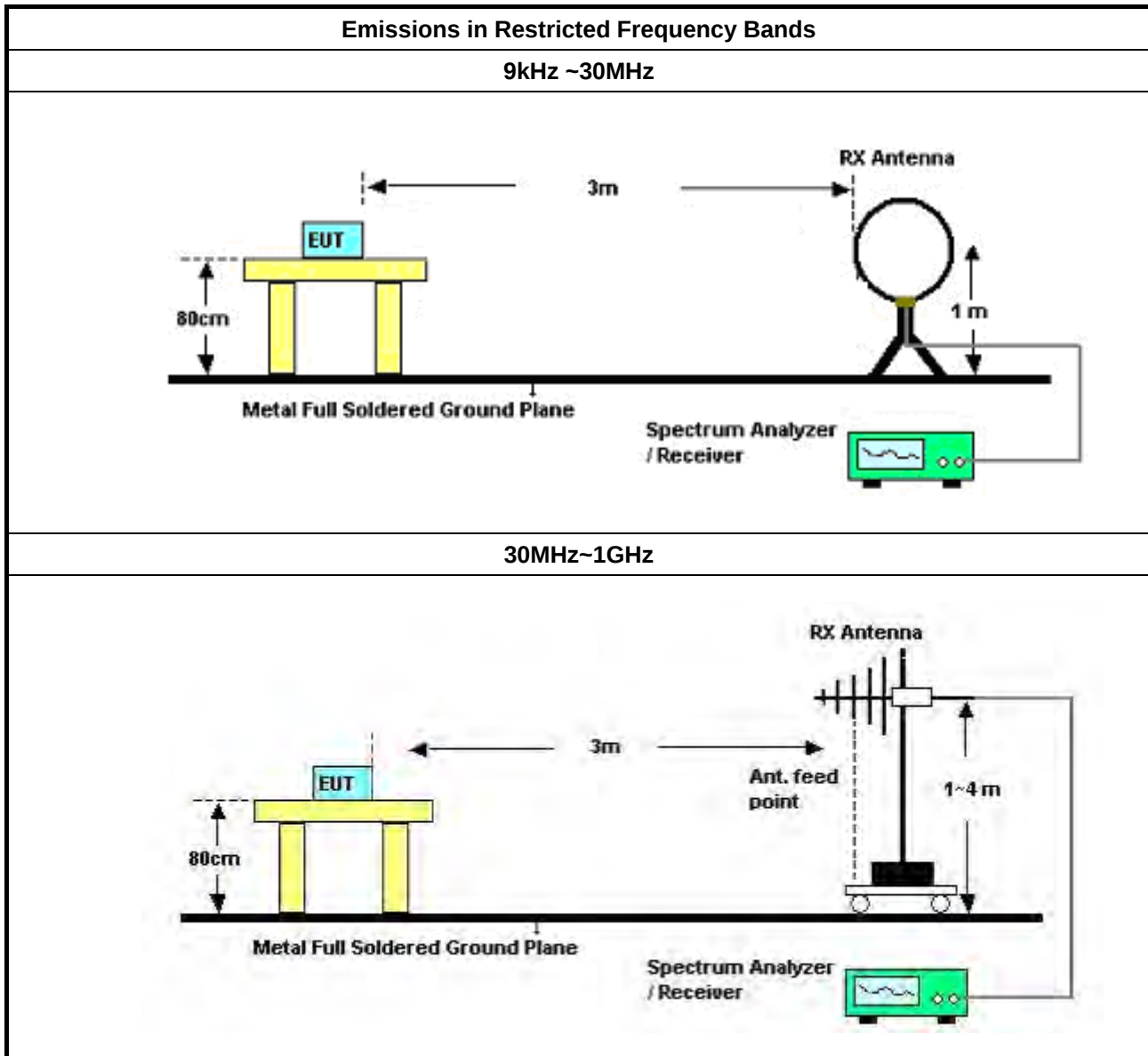
3.7.2 Measuring Instruments

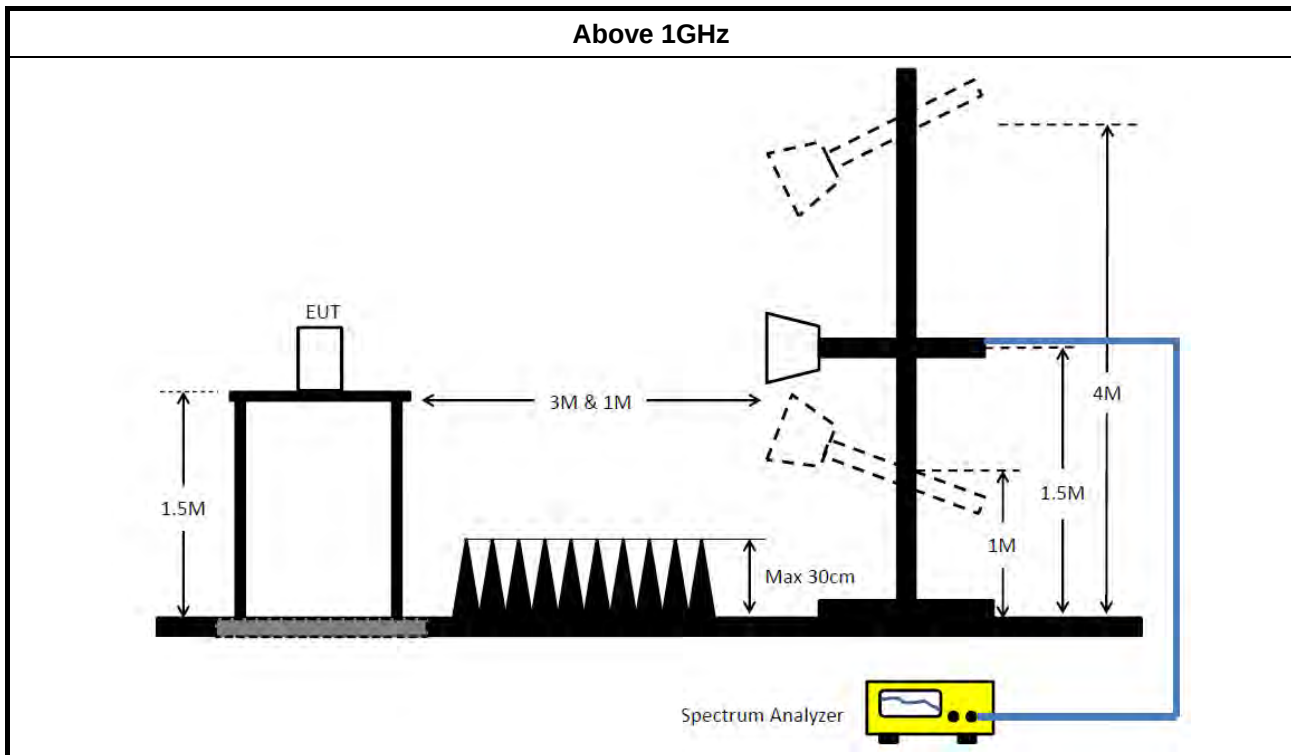
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

Test Method	
▪ 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





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. 17, 2024	Oct. 16, 2025	Radiation (03CH01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 16, 2025	Jan. 15, 2026	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)
Amplifier	Agilent	8447D	2944A10259	30M~1GHz	Jan. 07, 2025	Jan. 06, 2026	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 16, 2025	May 15, 2026	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)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-31+32	30 MHz ~ 1 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
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-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Test Software	SPORTON	SENSE-15247_FS	V5.11.25	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 02, 2025	Jan. 01, 2026	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1~18GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH03-CB)
Test Software	SPORTON	SENSE-15247_FS	V5.11.25	2.4GHz-2.4835GHz	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR means Non-Calibration required.



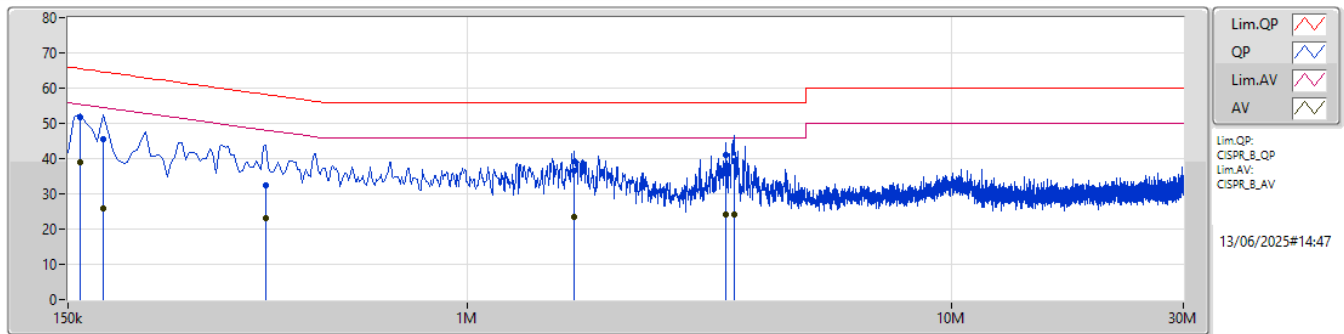
Conducted Emissions at Powerline

Appendix A

Summary

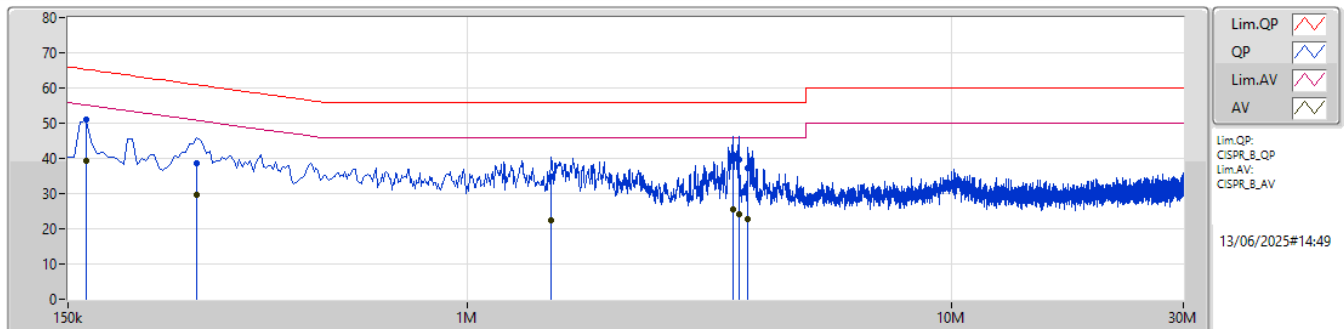
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	159k	51.67	65.52	-13.85	Line

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	159k	51.67	65.52	-13.85	10.05	Line	"Worst"	41.62	0.05	0.08	9.92						
AV	159k	38.89	55.52	-16.63	10.05	Line	-	28.84	0.05	0.08	9.92						
QP	177k	45.57	64.62	-19.05	10.06	Line	-	35.51	0.06	0.07	9.93						
AV	177k	25.81	54.62	-28.81	10.06	Line	-	15.75	0.06	0.07	9.93						
QP	384k	32.45	58.20	-25.75	10.20	Line	-	22.25	0.05	0.10	10.05						
AV	384k	23.21	48.20	-24.99	10.20	Line	-	13.01	0.05	0.10	10.05						
QP	1.662M	36.71	56.00	-19.29	10.23	Line	-	26.48	0.09	0.13	10.01						
AV	1.662M	23.57	46.00	-22.43	10.23	Line	-	13.34	0.09	0.13	10.01						
QP	3.413M	40.88	56.00	-15.12	10.18	Line	-	30.70	0.12	0.15	9.91						
AV	3.413M	24.12	46.00	-21.88	10.18	Line	-	13.94	0.12	0.15	9.91						
QP	3.552M	39.45	56.00	-16.55	10.18	Line	-	29.27	0.12	0.15	9.91						
AV	3.552M	24.11	46.00	-21.89	10.18	Line	-	13.93	0.12	0.15	9.91						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	163.5k	51.08	65.27	-14.19	10.08	Neutral	"Worst"	41.00	0.08	0.08	9.92						
AV	163.5k	39.35	55.27	-15.92	10.08	Neutral	-	29.27	0.08	0.08	9.92						
QP	276k	38.67	60.93	-22.26	10.16	Neutral	-	28.51	0.08	0.08	10.00						
AV	276k	29.77	50.93	-21.16	10.16	Neutral	-	19.61	0.08	0.08	10.00						
QP	1.487M	35.00	56.00	-21.00	10.26	Neutral	-	24.74	0.10	0.12	10.04						
AV	1.487M	22.51	46.00	-23.49	10.26	Neutral	-	12.25	0.10	0.12	10.04						
QP	3.53M	40.89	56.00	-15.11	10.21	Neutral	-	30.68	0.15	0.15	9.91						
AV	3.53M	25.65	46.00	-20.35	10.21	Neutral	-	15.44	0.15	0.15	9.91						
QP	3.633M	39.60	56.00	-16.40	10.21	Neutral	-	29.39	0.15	0.15	9.91						
AV	3.633M	24.09	46.00	-21.91	10.21	Neutral	-	13.88	0.15	0.15	9.91						
QP	3.786M	37.24	56.00	-18.76	10.21	Neutral	-	27.03	0.16	0.15	9.90						
AV	3.786M	22.83	46.00	-23.17	10.21	Neutral	-	12.62	0.16	0.15	9.90						

**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)	979k	902.32k	902KF1D	924k	880.997k
BT-EDR(2Mbps)	1.317M	1.196M	1M20G1D	1.312M	1.193M
BT-EDR(3Mbps)	1.342M	1.204M	1M20G1D	1.287M	1.177M

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

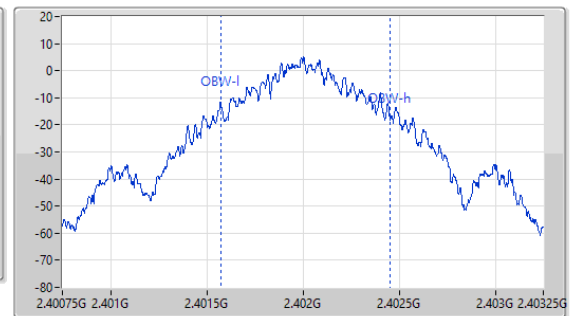
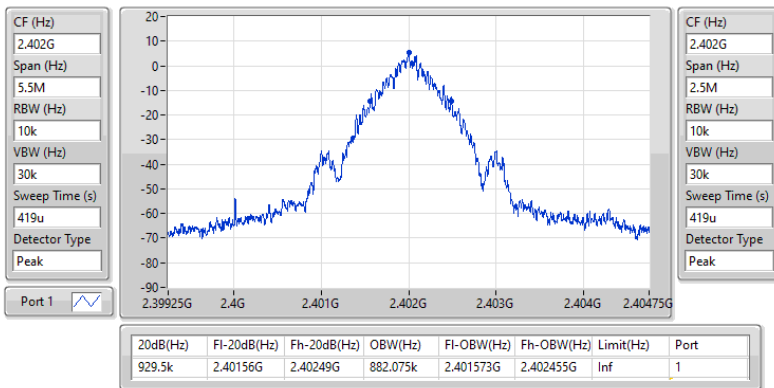
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	929.5k	882.075k
2440MHz	Pass	Inf	924k	880.997k
2480MHz	Pass	Inf	979k	902.32k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.312M	1.195M
2440MHz	Pass	Inf	1.312M	1.196M
2480MHz	Pass	Inf	1.317M	1.193M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.323M	1.177M
2440MHz	Pass	Inf	1.342M	1.188M
2480MHz	Pass	Inf	1.287M	1.204M

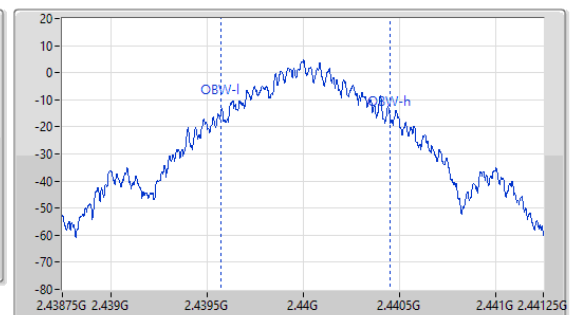
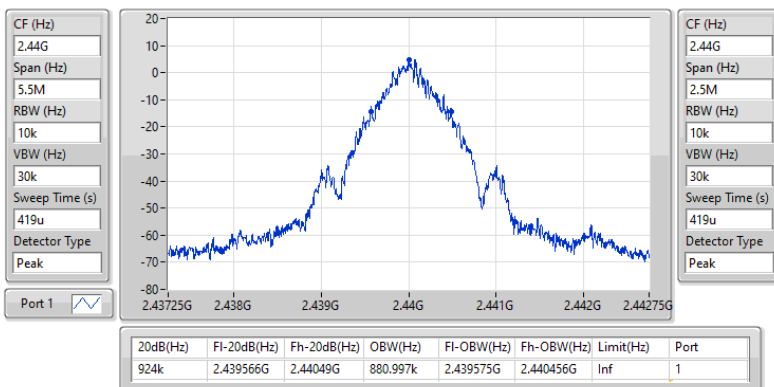
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-BR(1Mbps)
EBW-FS
2402MHz

23/07/2025

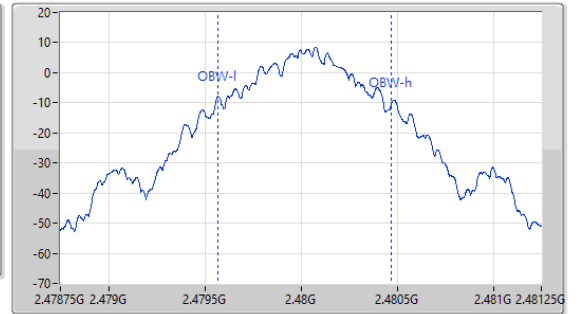
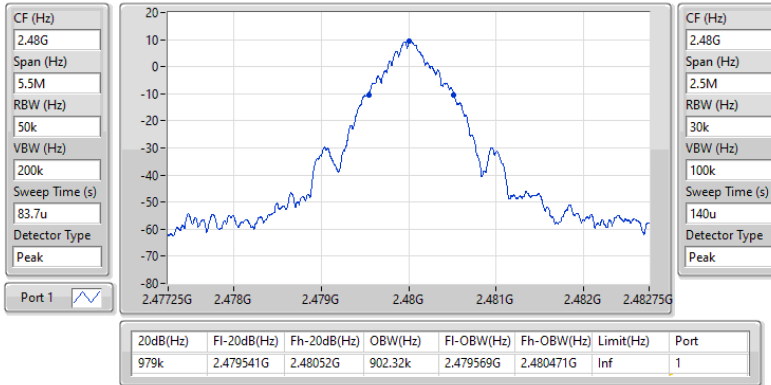

2.4-2.4835GHz_BT-BR(1Mbps)
EBW-FS
2440MHz

23/07/2025

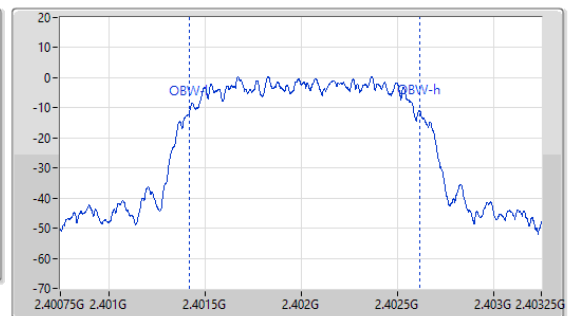
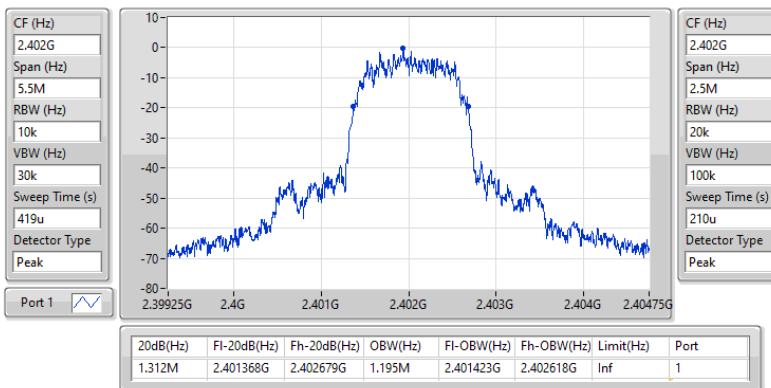


2.4-2.4835GHz_BT-BR(1Mbps)
EBW-FS
2480MHz

23/07/2025

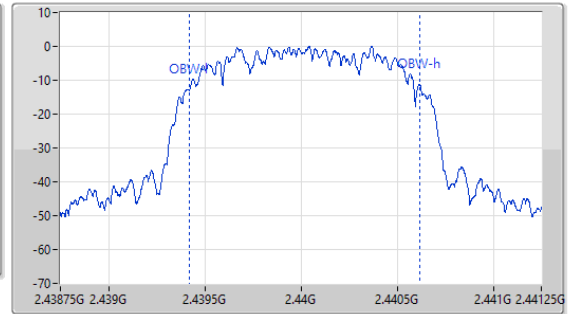
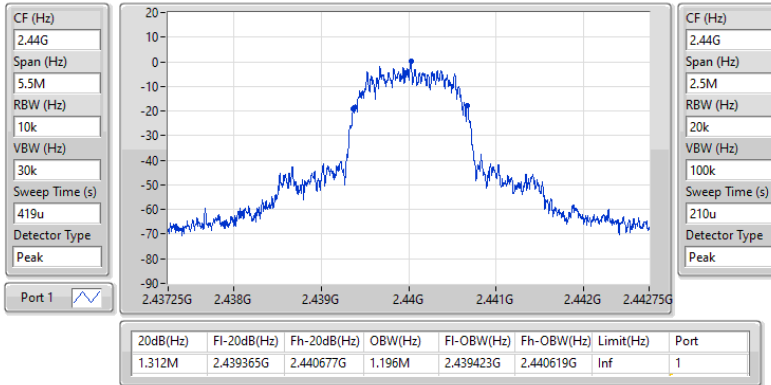

2.4-2.4835GHz_BT-EDR(2Mbps)
EBW-FS
2402MHz

23/07/2025

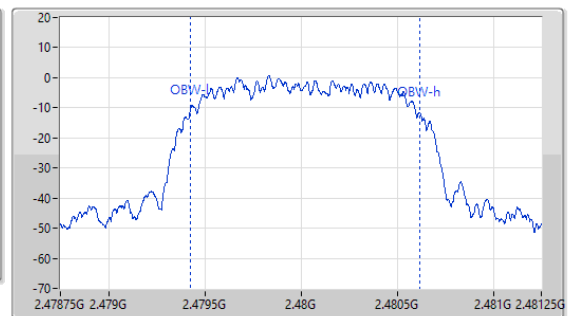
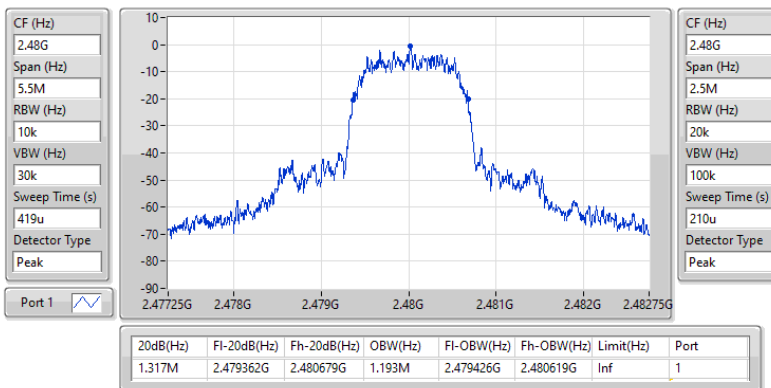


2.4-2.4835GHz_BT-EDR(2Mbps)
EBW-FS
2440MHz

23/07/2025

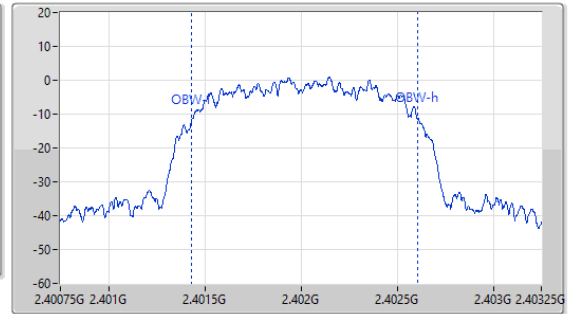
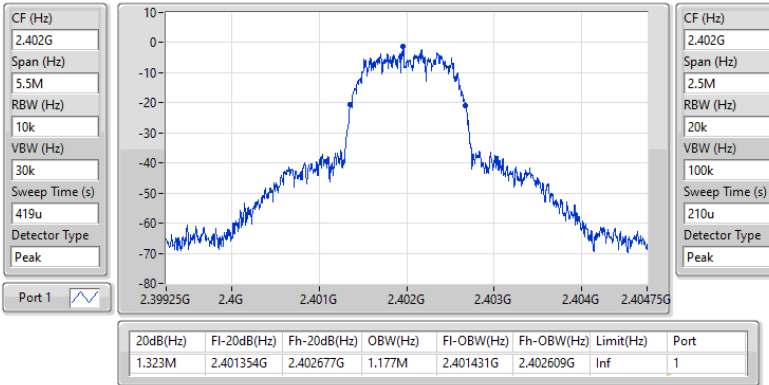

2.4-2.4835GHz_BT-EDR(2Mbps)
EBW-FS
2480MHz

23/07/2025

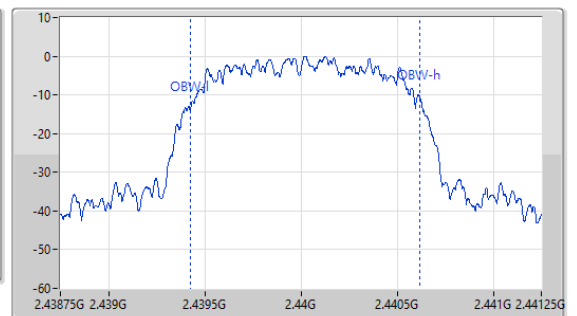
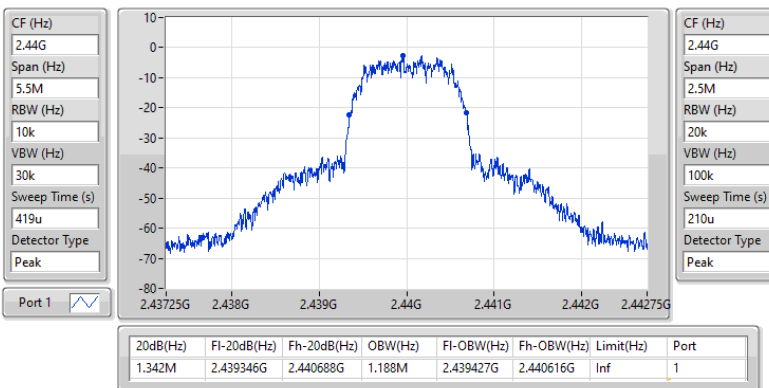


2.4-2.4835GHz_BT-EDR(3Mbps)
EBW-FS
2402MHz

23/07/2025


2.4-2.4835GHz_BT-EDR(3Mbps)
EBW-FS
2440MHz

23/07/2025

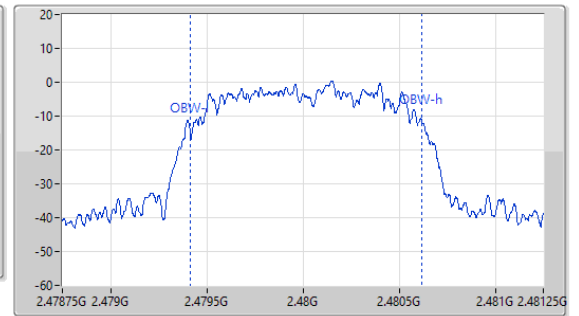
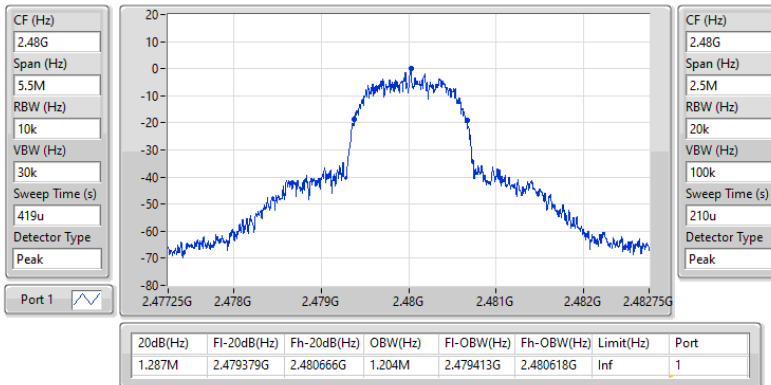


2.4-2.4835GHz_BT-EDR(3Mbps)

EBW-FS

2480MHz

23/07/2025



Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.0005M	1.0005M
BT-EDR(2Mbps)	999k	999k
BT-EDR(3Mbps)	1.236M	1.0005M

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402181G	2.403181G	1.0005M	619.047k
2440MHz	Pass	2.440181G	2.441181G	1.0005M	615.384k
2480MHz	Pass	2.479182G	2.480183G	1.0005M	652.014k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.401935G	2.402934G	999k	873.792k
2440MHz	Pass	2.439935G	2.440934G	999k	873.792k
2480MHz	Pass	2.478933G	2.479932G	999k	877.122k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402182G	2.403184G	1.002M	857.142k
2440MHz	Pass	2.439947G	2.441183G	1.236M	893.772k
2480MHz	Pass	2.479182G	2.480183G	1.0005M	857.142k

2.4-2.4835GHz_BT-BR(1Mbps)

Channel Separation-FS

2.402G/2.403GHz

23/07/2025

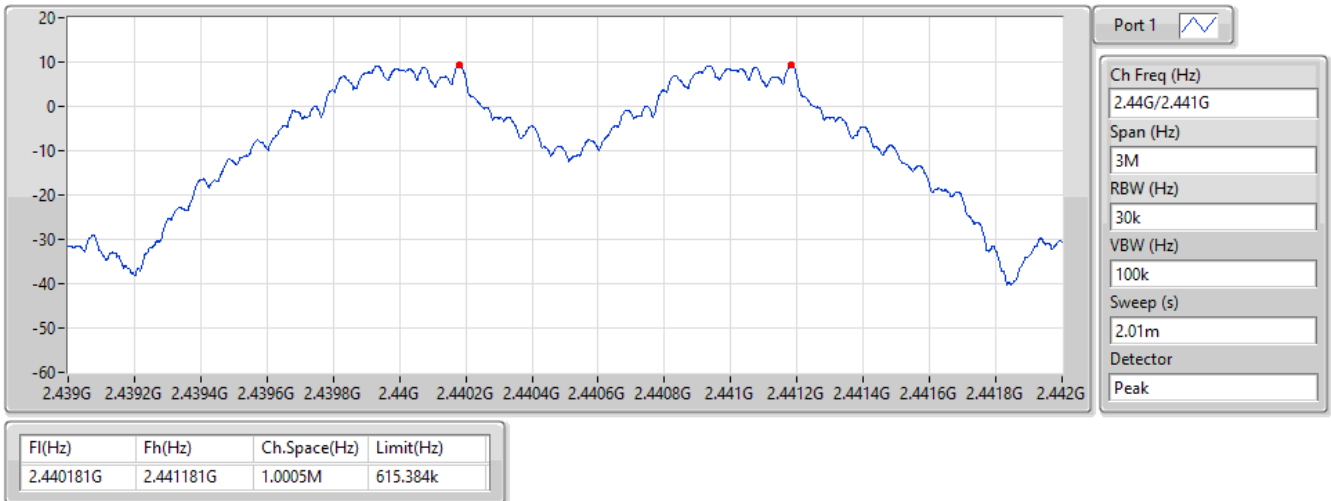


2.4-2.4835GHz_BT-BR(1Mbps)

Channel Separation-FS

2.44G/2.441GHz

23/07/2025



2.4-2.4835GHz_BT-BR(1Mbps)

Channel Separation-FS

2.48G/2.479GHz

23/07/2025

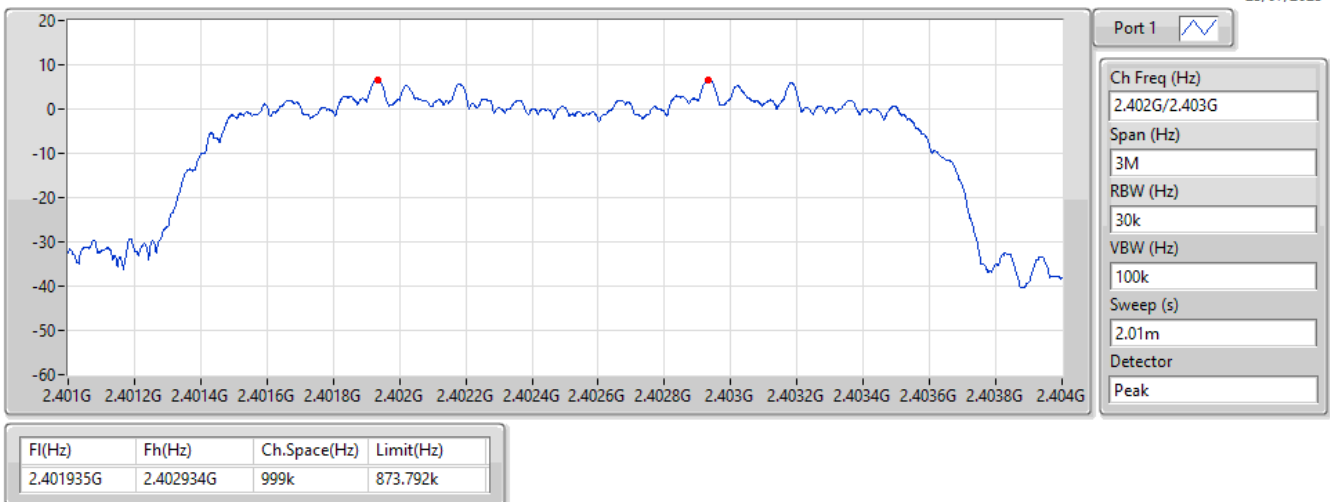


2.4-2.4835GHz_BT-EDR(2Mbps)

Channel Separation-FS

2.402G/2.403GHz

23/07/2025

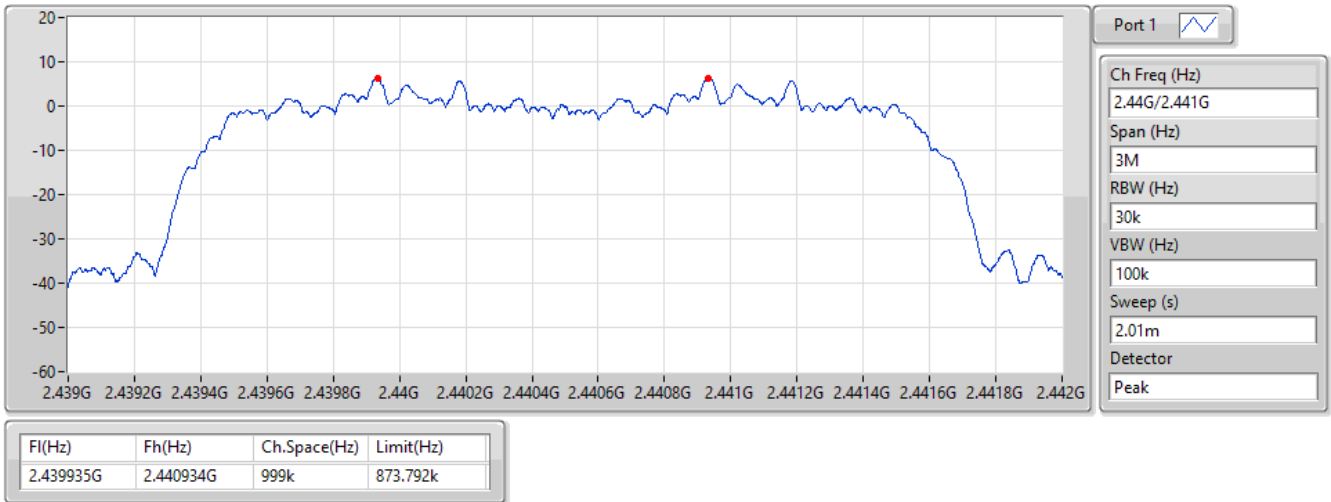


2.4-2.4835GHz_BT-EDR(2Mbps)

Channel Separation-FS

2.44G/2.441GHz

23/07/2025

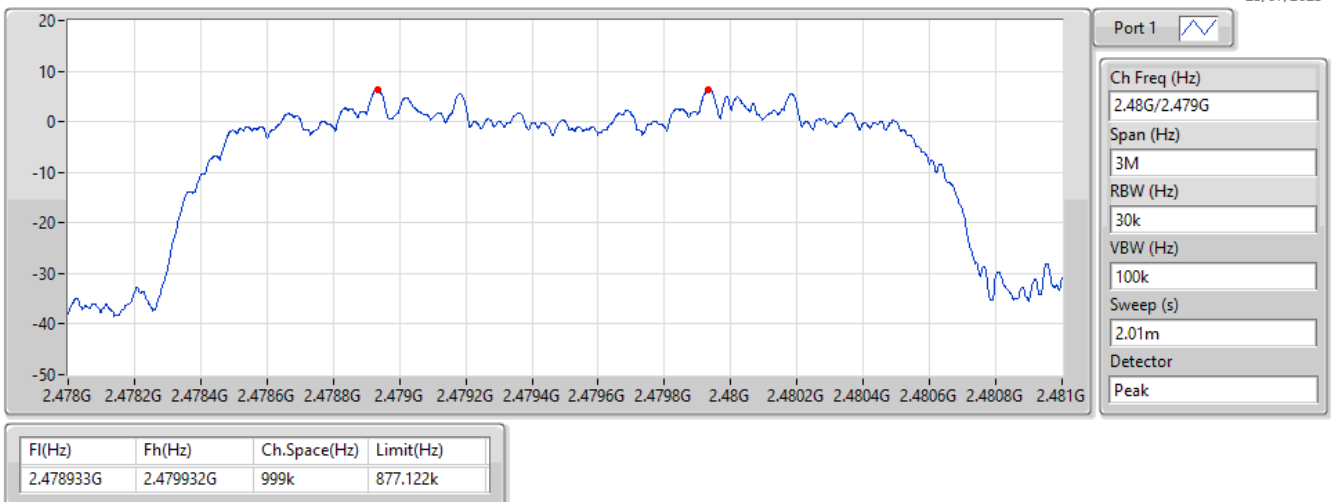


2.4-2.4835GHz_BT-EDR(2Mbps)

Channel Separation-FS

2.48G/2.479GHz

23/07/2025

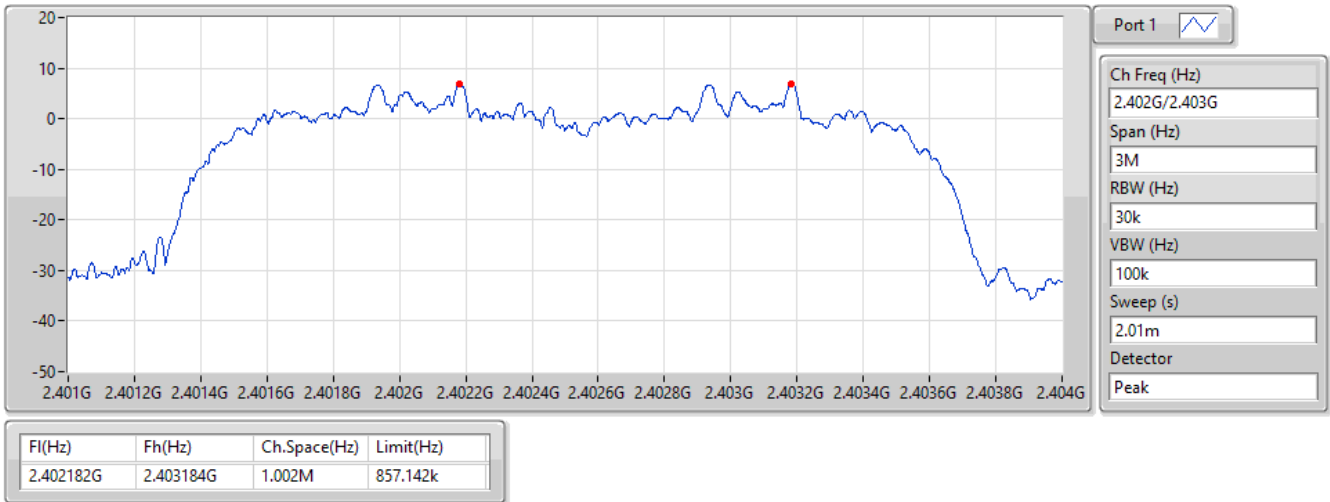


2.4-2.4835GHz_BT-EDR(3Mbps)

Channel Separation-FS

2.402G/2.403GHz

23/07/2025

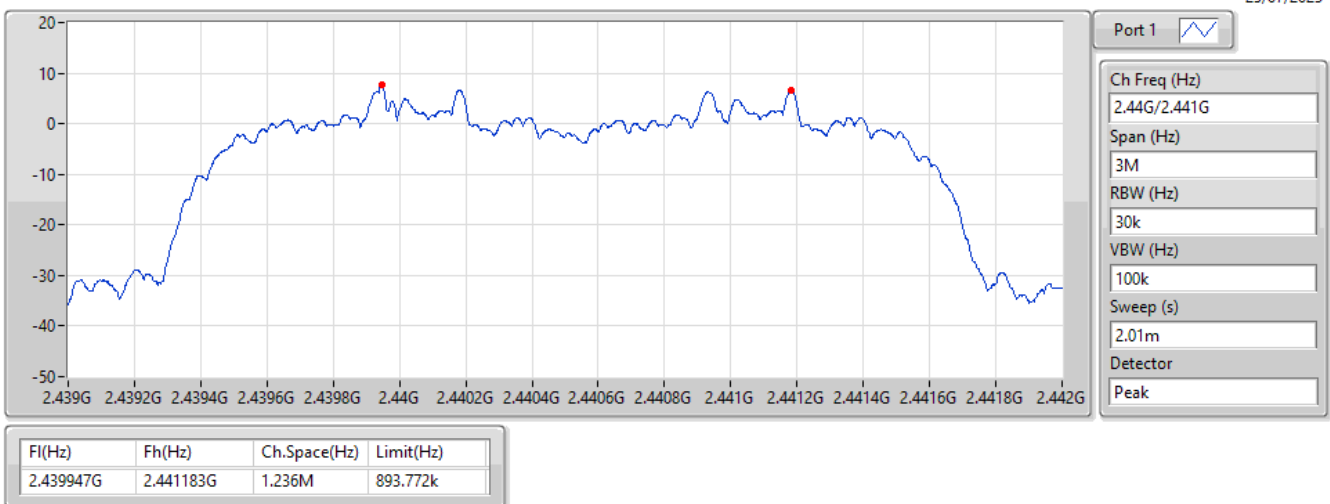


2.4-2.4835GHz_BT-EDR(3Mbps)

Channel Separation-FS

2.44G/2.441GHz

23/07/2025

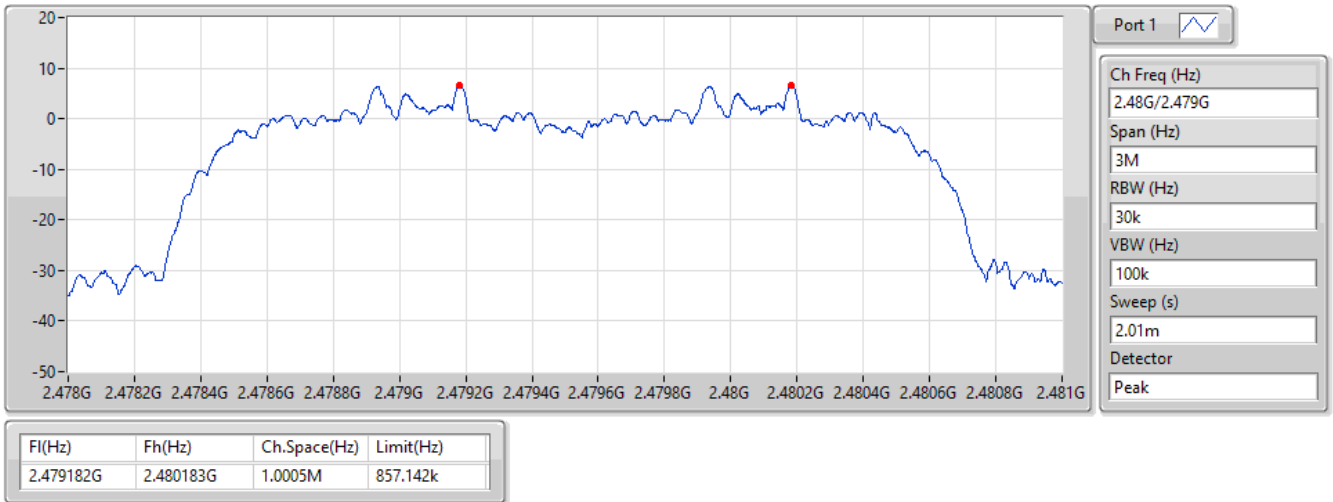


2.4-2.4835GHz_BT-EDR(3Mbps)

Channel Separation-FS

2.48G/2.479GHz

23/07/2025



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	11.90	0.01549
BT-EDR(2Mbps)	8.91	0.00778
BT-EDR(3Mbps)	8.91	0.00778

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	3.50	11.90	21.00
2440MHz	Pass	3.50	11.61	21.00
2480MHz	Pass	3.50	10.56	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	3.50	8.91	21.00
2440MHz	Pass	3.50	8.53	21.00
2480MHz	Pass	3.50	7.05	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	3.50	8.91	21.00
2440MHz	Pass	3.50	8.50	21.00
2480MHz	Pass	3.50	7.13	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)	12.01	0.01589
BT-EDR(2Mbps)	11.53	0.01422
BT-EDR(3Mbps)	11.80	0.01514

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	3.50	12.01	21.00
2440MHz	Pass	3.50	11.76	21.00
2480MHz	Pass	3.50	10.43	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	3.50	11.53	21.00
2440MHz	Pass	3.50	11.24	21.00
2480MHz	Pass	3.50	9.66	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	3.50	11.80	21.00
2440MHz	Pass	3.50	11.53	21.00
2480MHz	Pass	3.50	9.92	21.00

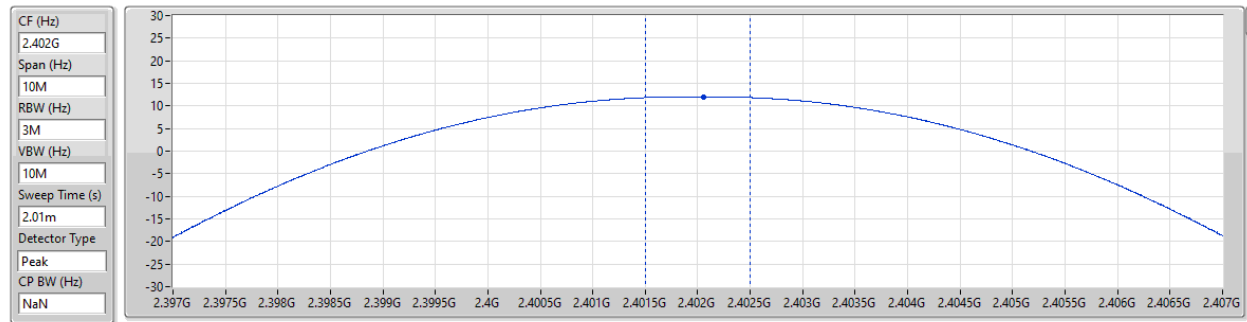
DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-BR(1Mbps)

PK Power-FS

2402MHz

23/07/2025



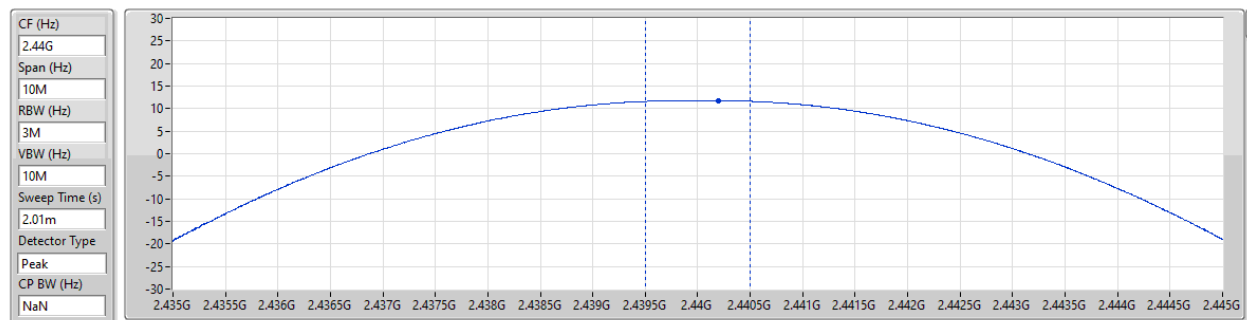
Sum=Total Power
PX=Port X

2.4-2.4835GHz_BT-BR(1Mbps)

PK Power-FS

2440MHz

23/07/2025



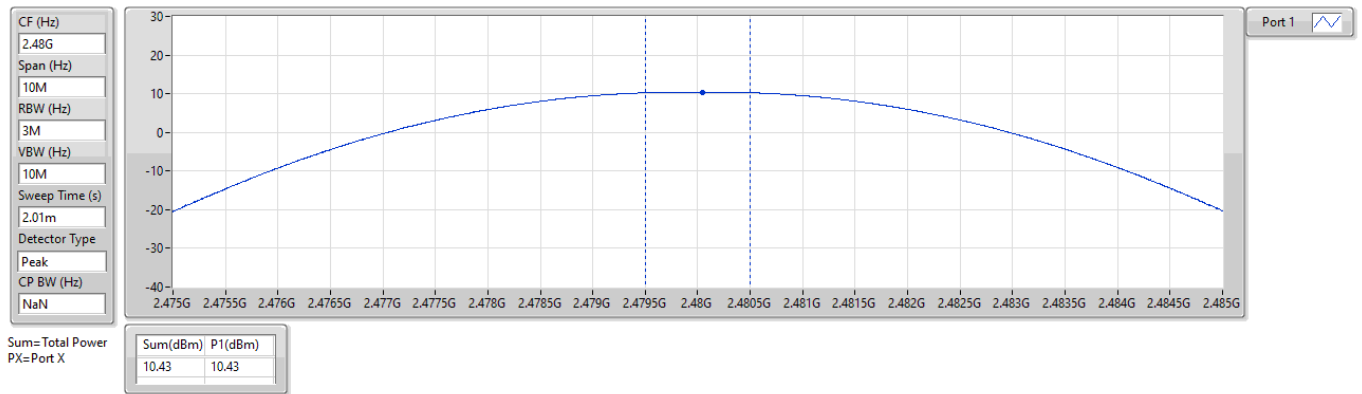
Sum=Total Power
PX=Port X

2.4-2.4835GHz_BT-BR(1Mbps)

PK Power-FS

2480MHz

04/08/2025

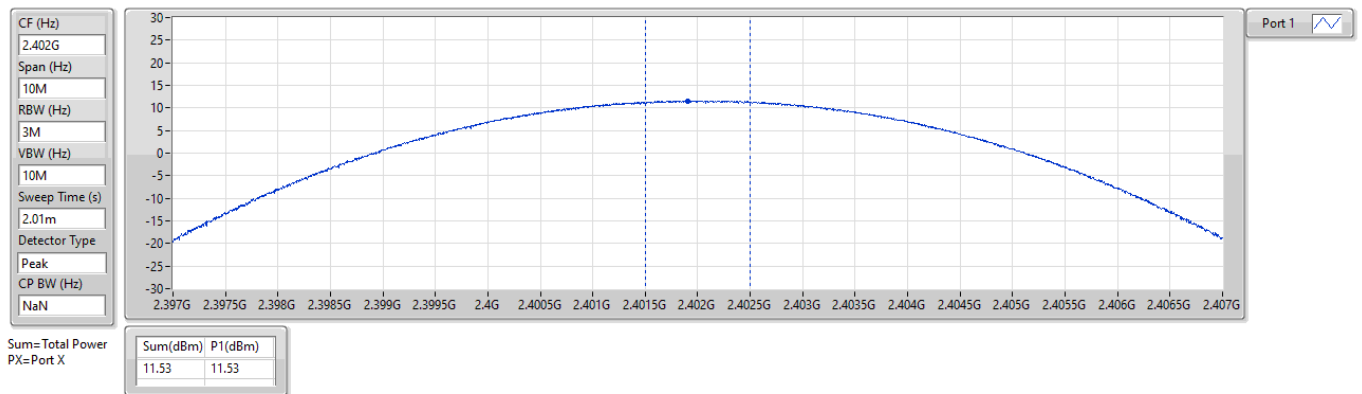


2.4-2.4835GHz_BT-EDR(2Mbps)

PK Power-FS

2402MHz

23/07/2025

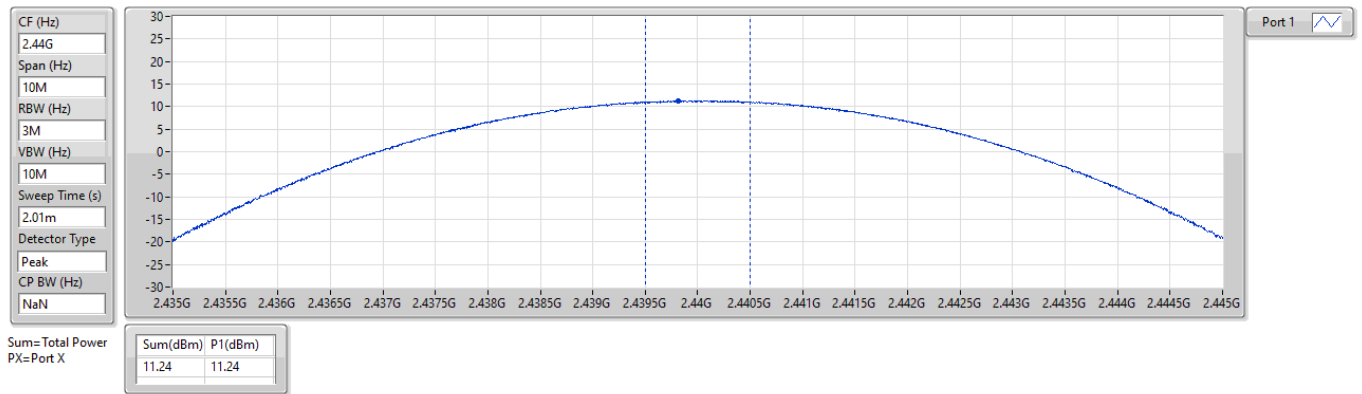


2.4-2.4835GHz_BT-EDR(2Mbps)

PK Power-FS

2440MHz

23/07/2025

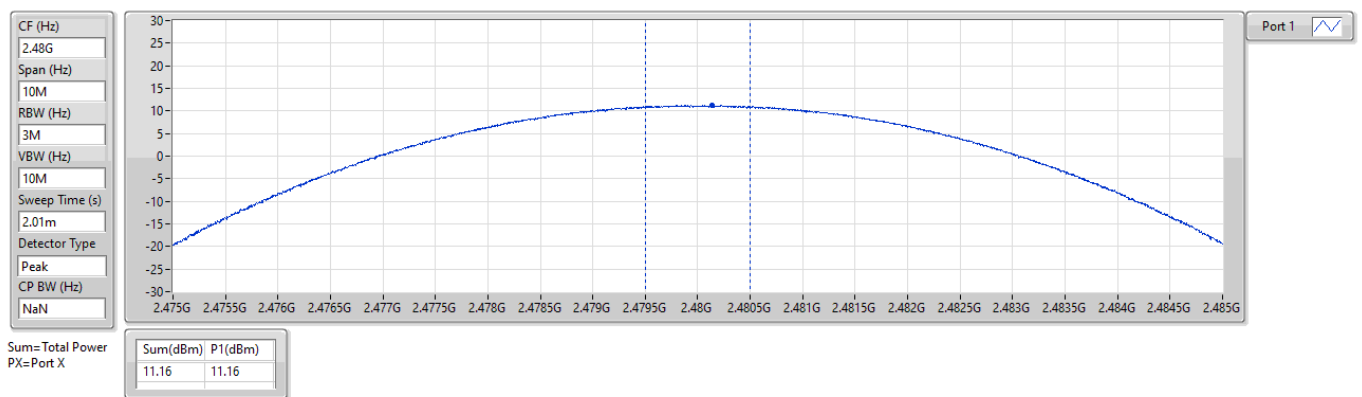


2.4-2.4835GHz_BT-EDR(2Mbps)

PK Power-FS

2480MHz

23/07/2025

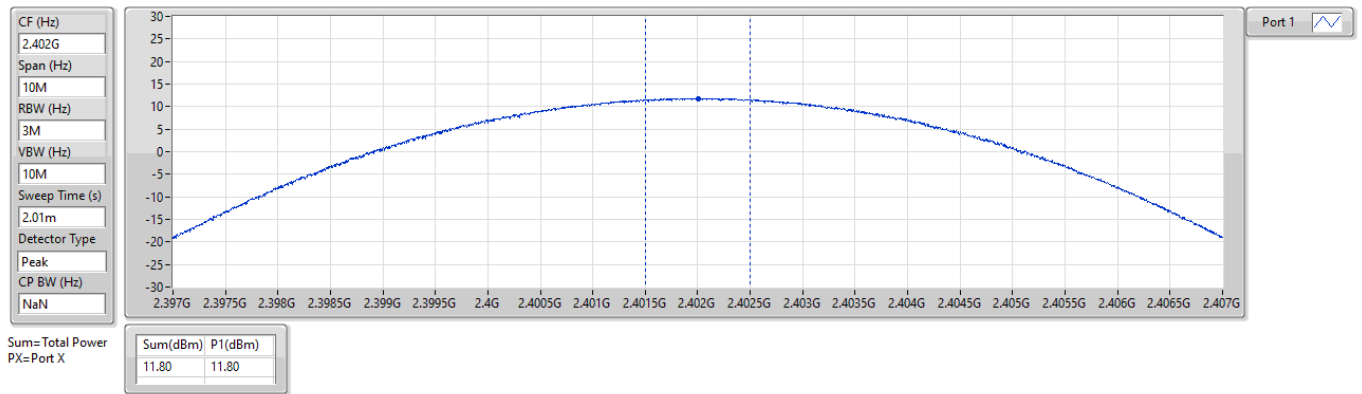


2.4-2.4835GHz_BT-EDR(3Mbps)

PK Power-FS

2402MHz

23/07/2025

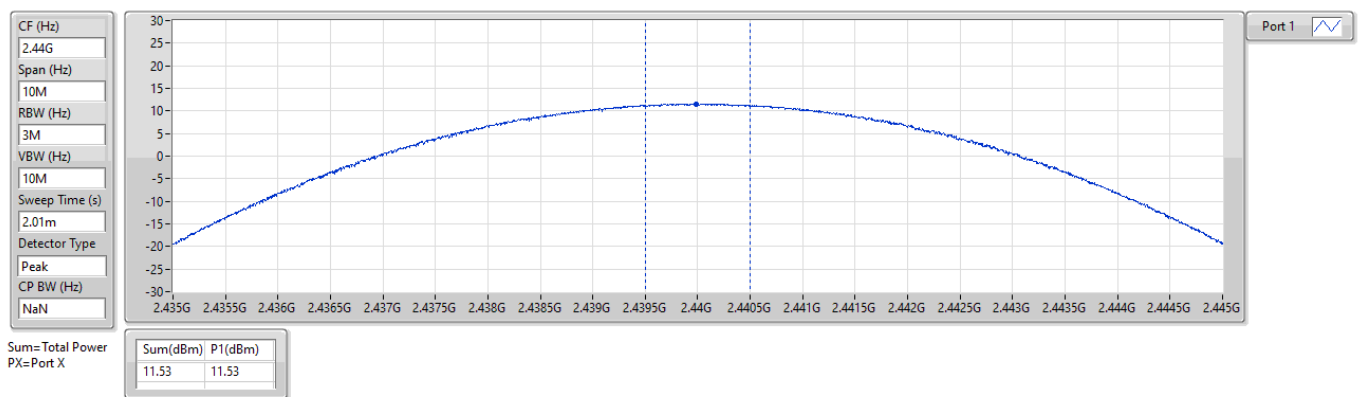


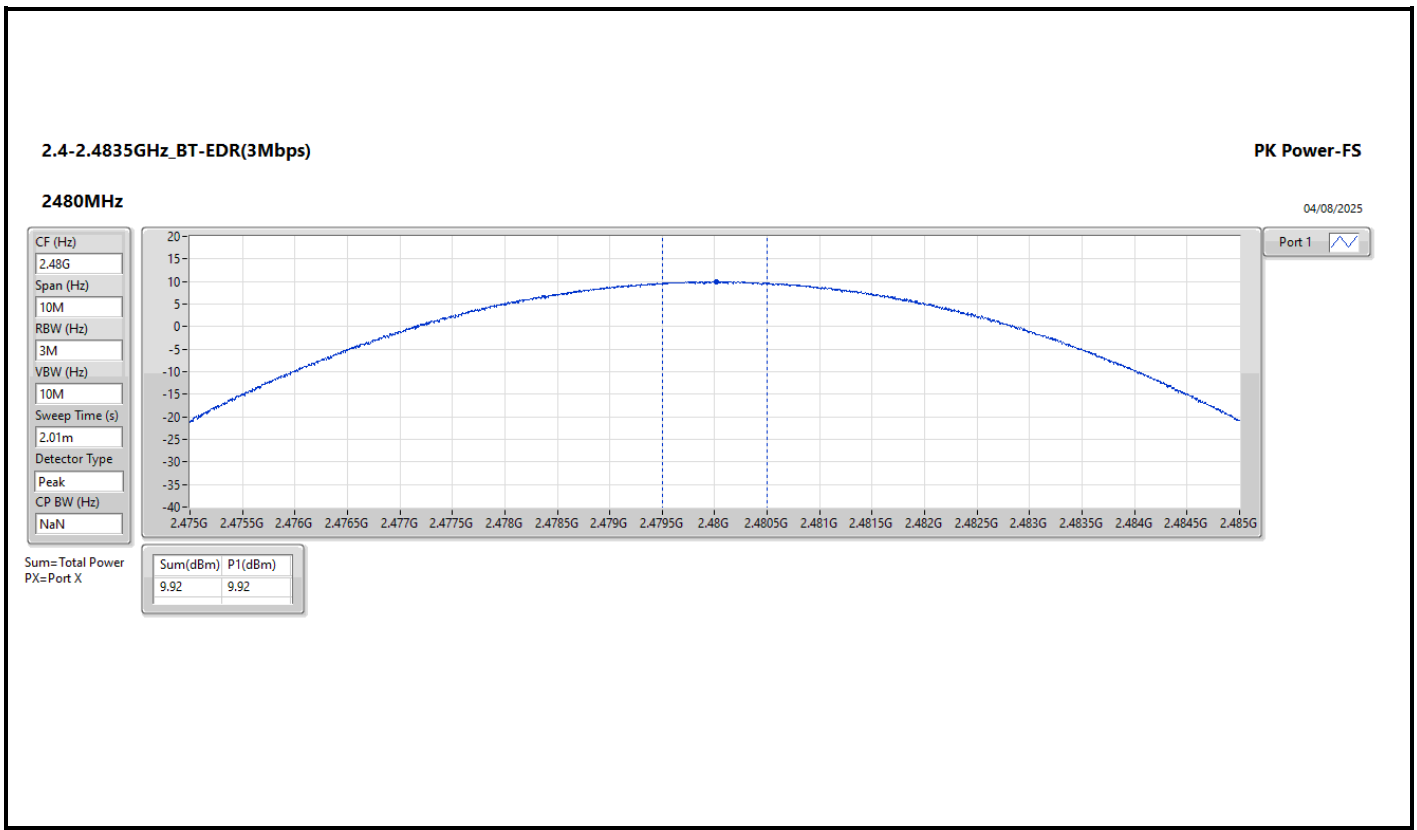
2.4-2.4835GHz_BT-EDR(3Mbps)

PK Power-FS

2440MHz

23/07/2025







Summary

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

Result

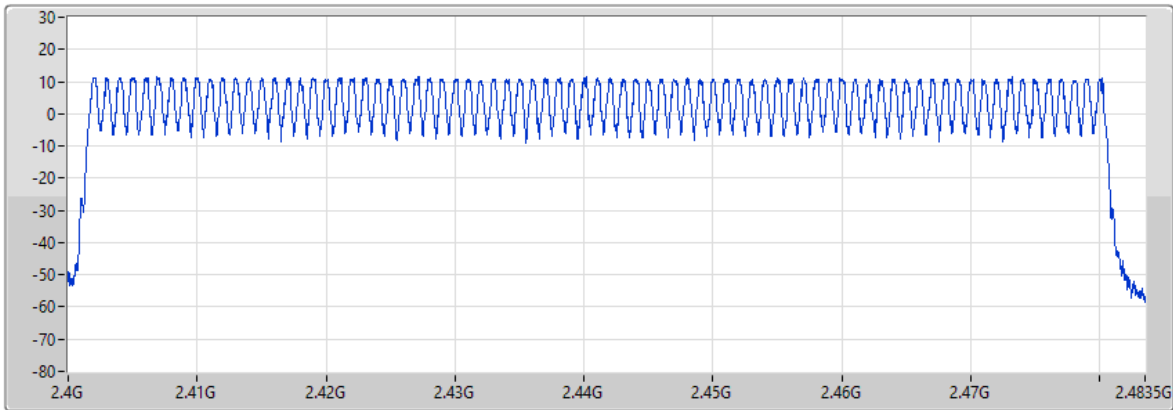
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz	Pass	79	15

2.4-2.4835GHz_BT-BR(1Mbps)

Hopping-FS

2440MHz

23/07/2025



Port 1 

Hopping No
79

Span (Hz)
83.5M

RBW (Hz)
100k

VBW (Hz)
300kHz

Sweep (s)
8.01ms

Detector
Peak

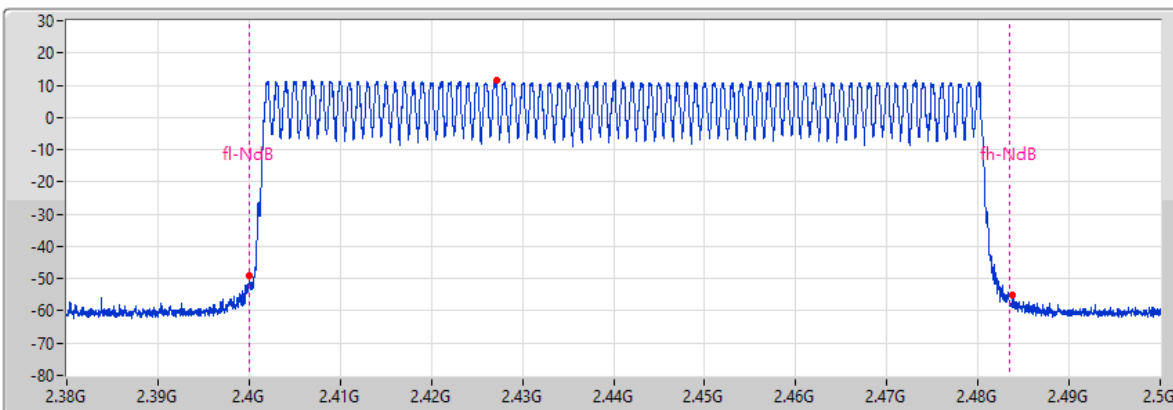
Hopping No	Limit
79	15

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

23/07/2025



Port 1 

Span (Hz)
120M

RBW (Hz)
100k

VBW (Hz)
300k

Sweep (s)
8.01m

Detector
Peak

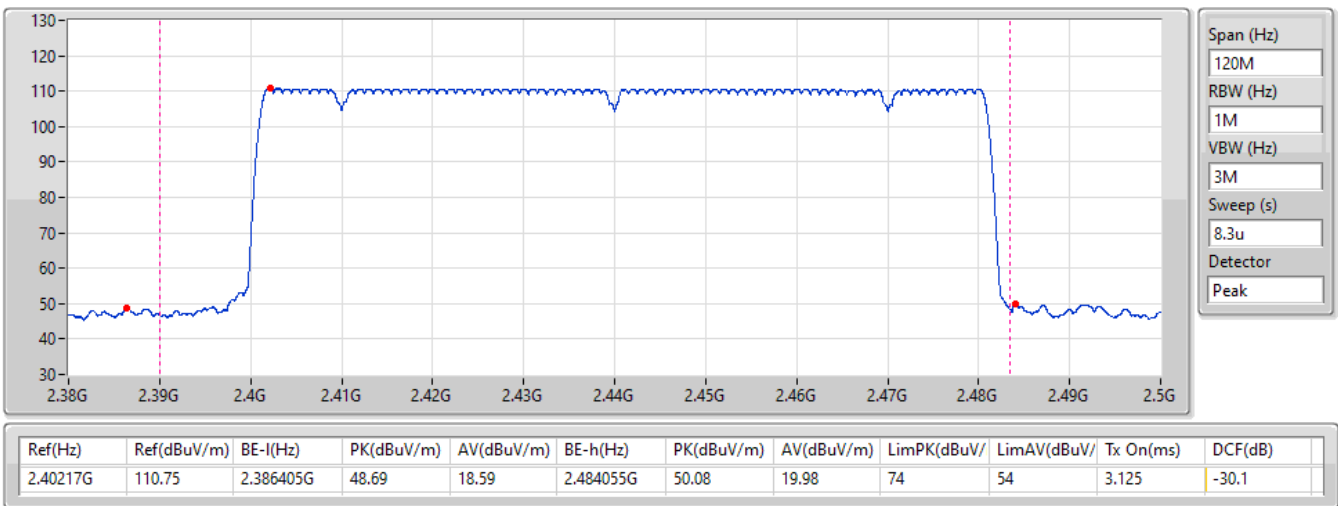
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-8.4	2.427175G	11.6	2.399995G	-49.12	2.48383G	-55.11

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

23/07/2025

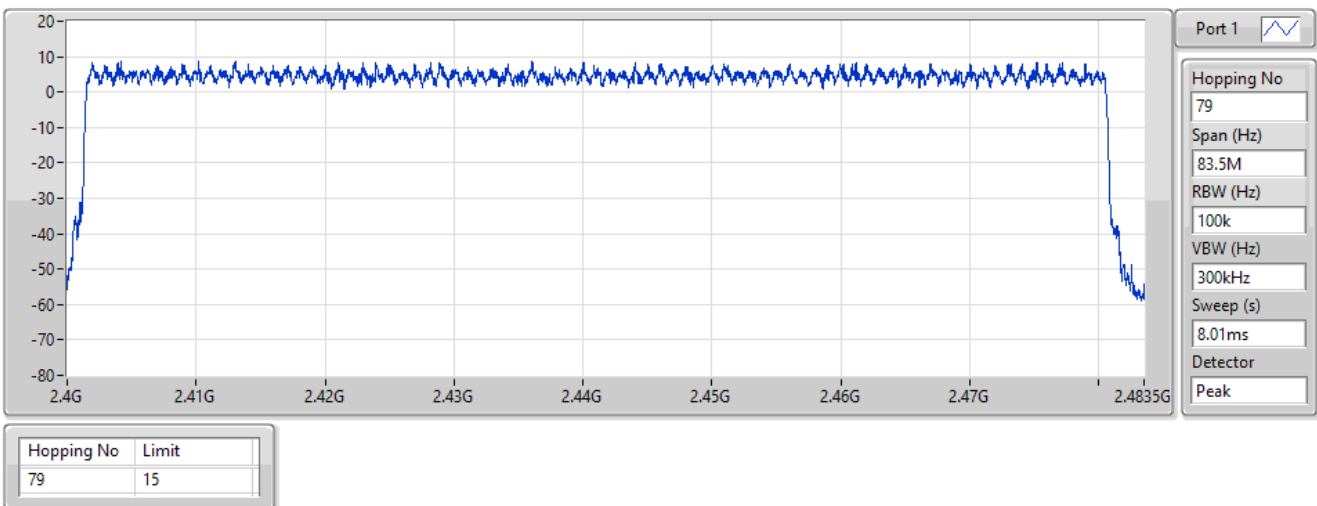


2.4-2.4835GHz_BT-EDR(2Mbps)

Hopping-FS

2440MHz

23/07/2025

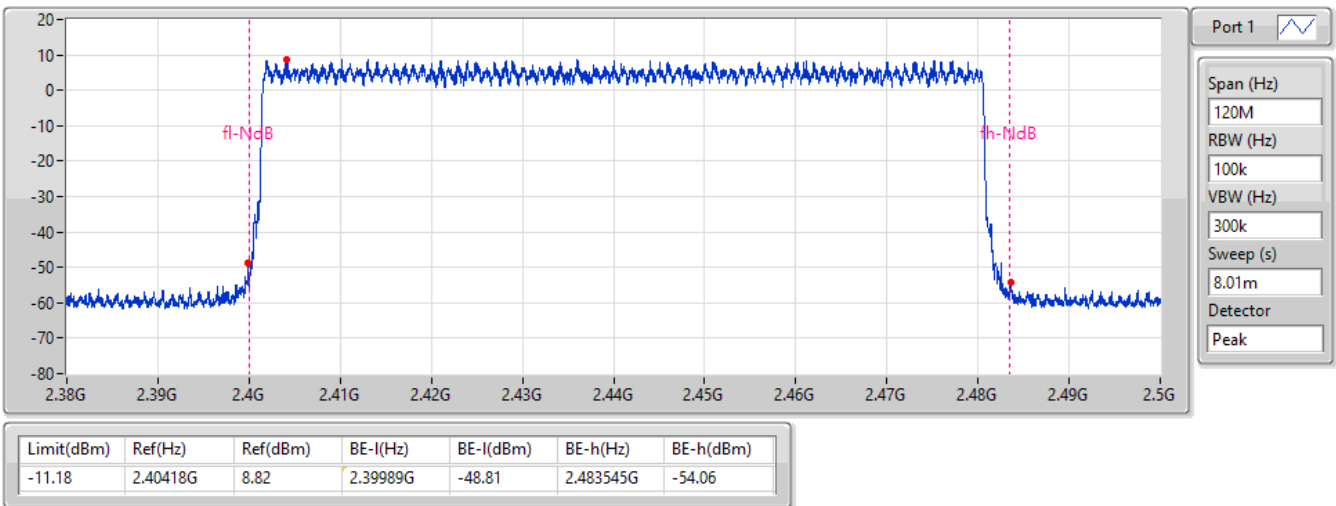


2.4-2.4835GHz_BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

23/07/2025

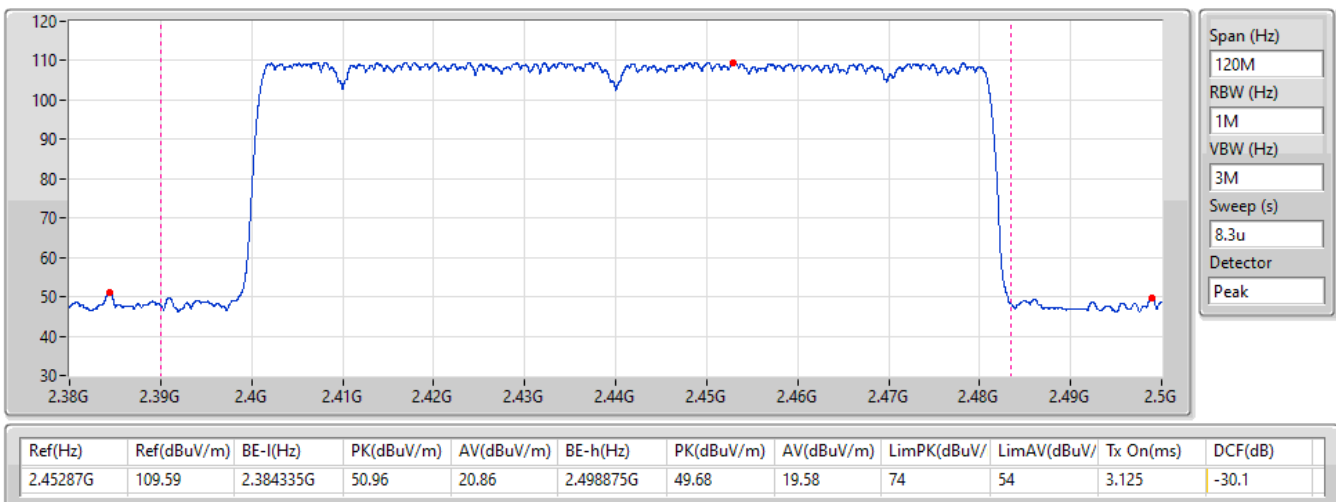


2.4-2.4835GHz_BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

23/07/2025





Summary

2.4-2.4835GHz	-
BT-BR(1Mbps)	273.972m_DH5(15 Hops in 5 sec [2.89ms/Hop])
BT-EDR(2Mbps)	201.46896m_DH5(12 Hops in 5 sec [2.6565ms/Hop])
BT-EDR(3Mbps)	274.2801m_DH5(15 Hops in 5 sec [2.89325ms/Hop])

Result

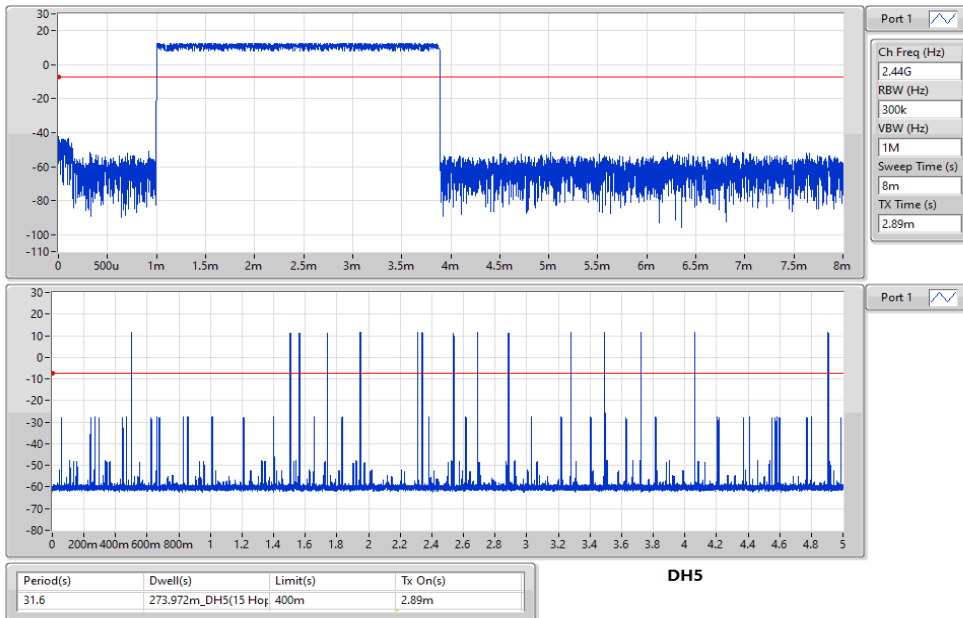
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	273.972m_DH5(15 Hops in 5 sec [2.89ms/Hop])	400m	2.89m
2440MHz	Pass	8	69.378m_DH5-AFH(6 Hops in 2 sec [2.89075ms/Hop])	400m	2.89075m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	201.46896m_DH5(12 Hops in 5 sec [2.6565ms/Hop])	400m	2.6565m
2440MHz	Pass	8	80.927m_DH5-AFH(7 Hops in 2 sec [2.89025ms/Hop])	400m	2.89025m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	274.2801m_DH5(15 Hops in 5 sec [2.89325ms/Hop])	400m	2.89325m
2440MHz	Pass	8	57.88m_DH5-AFH(5 Hops in 2 sec [2.894ms/Hop])	400m	2.894m

2.4-2.4835GHz_BT-BR(1Mbps)

Dwell-FS

2440MHz

23/07/2025

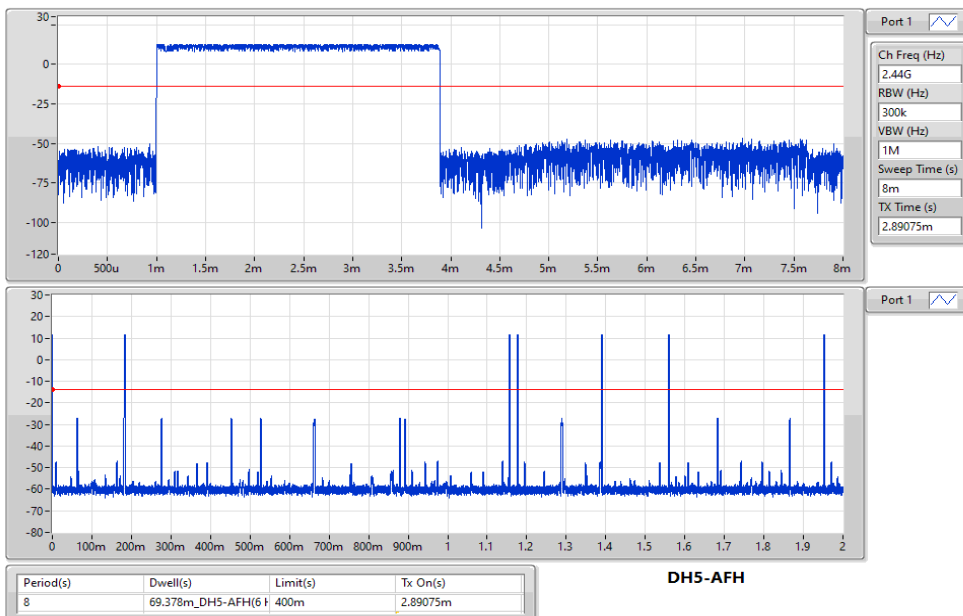


2.4-2.4835GHz_BT-BR(1Mbps)

Dwell-FS

2440MHz

23/07/2025

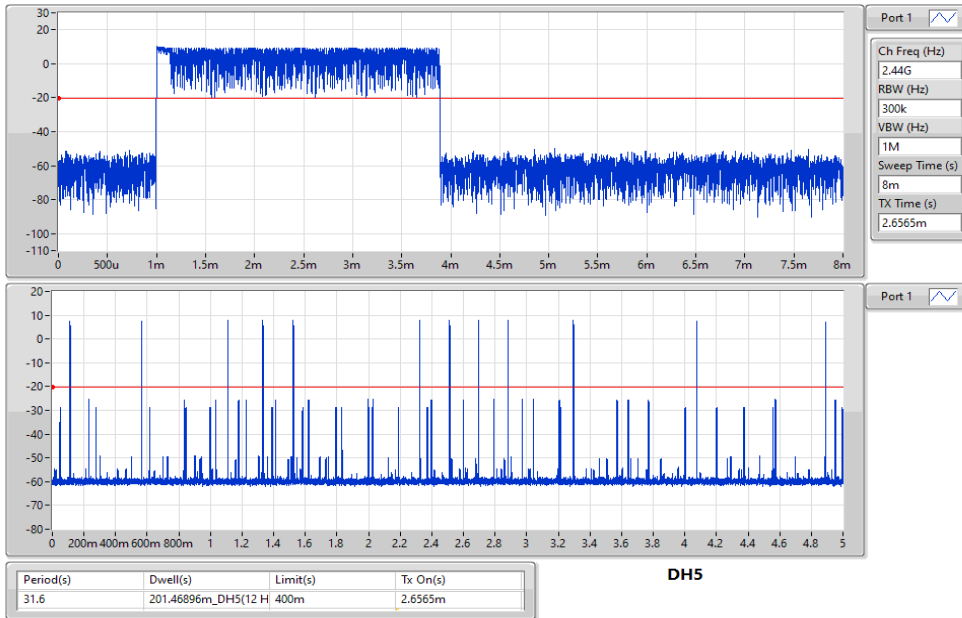


2.4-2.4835GHz_BT-EDR(2Mbps)

Dwell-FS

2440MHz

23/07/2025

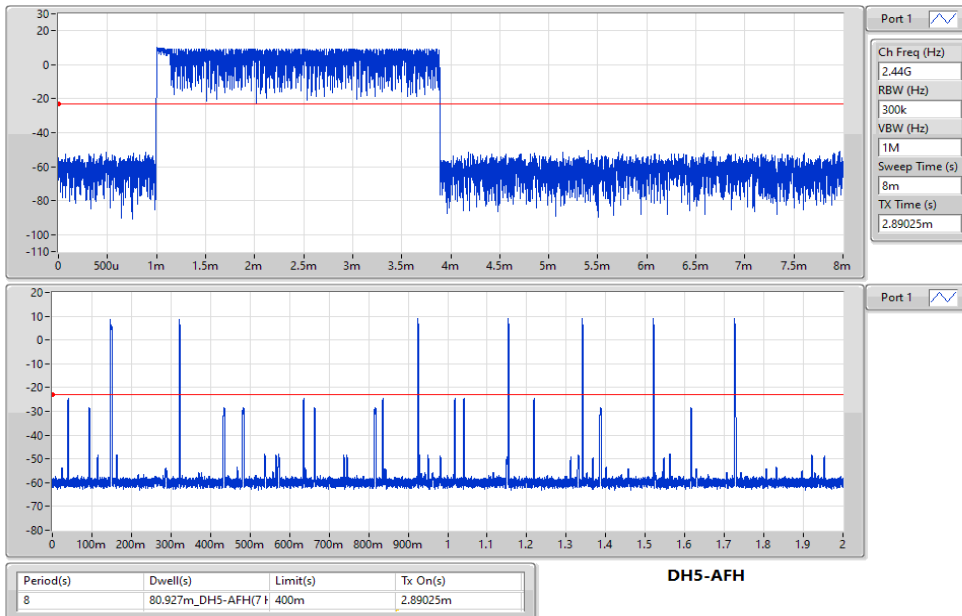


2.4-2.4835GHz_BT-EDR(2Mbps)

Dwell-FS

2440MHz

23/07/2025

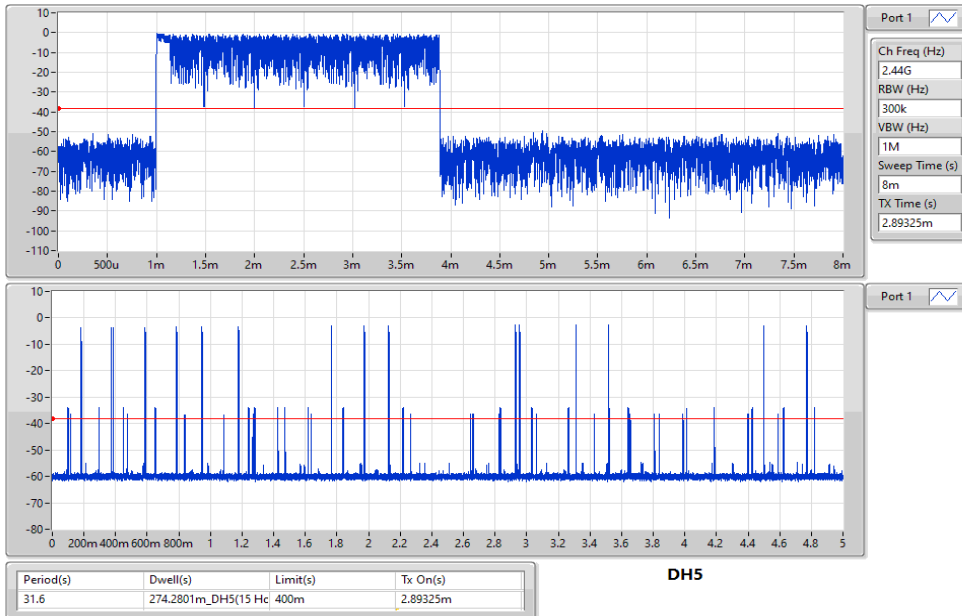


2.4-2.4835GHz_BT-EDR(3Mbps)

Dwell-FS

2440MHz

23/07/2025

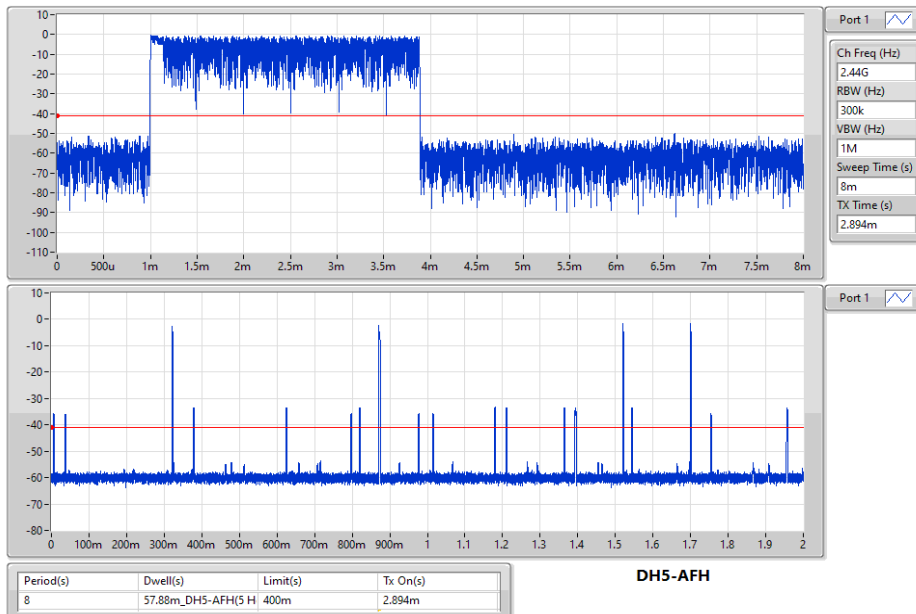


2.4-2.4835GHz_BT-EDR(3Mbps)

Dwell-FS

2440MHz

23/07/2025



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	2.40217G	11.90	-8.10	2.10858G	-53.42	2.39996G	-46.45	2.4G	-47.67	2.50138G	-54.48	21.78862G	-46.98	1
BT-EDR(2Mbps)	Pass	2.402G	8.88	-11.12	2.00048G	-53.56	2.39956G	-45.43	2.4G	-45.09	2.50054G	-54.12	21.67614G	-47.55	1
BT-EDR(3Mbps)	Pass	2.402G	8.18	-11.82	2.04278G	-52.48	2.39964G	-46.90	2.4G	-42.56	2.50178G	-53.59	21.42587G	-46.06	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40217G	11.90	-8.10	2.10858G	-53.42	2.39996G	-46.45	2.4G	-47.67	2.50138G	-54.48	21.78862G	-46.98	1
2440MHz	Pass	2.44008G	11.04	-8.96	2.16028G	-53.68	2.39992G	-52.91	2.4G	-55.68	2.50282G	-54.16	21.51585G	-46.21	1
2480MHz	Pass	2.48033G	11.52	-8.48	1.80543G	-53.72	2.3976G	-53.67	2.4G	-56.15	2.5029G	-54.38	21.4568G	-47.45	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	8.88	-11.12	2.00048G	-53.56	2.39956G	-45.43	2.4G	-45.09	2.50054G	-54.12	21.67614G	-47.55	1
2440MHz	Pass	2.44008G	8.32	-11.68	33.53M	-53.70	2.39968G	-52.15	2.4G	-55.91	2.50146G	-54.63	21.57772G	-46.83	1
2480MHz	Pass	2.48033G	8.61	-11.39	2.08508G	-54.06	2.39576G	-54.05	2.4G	-55.21	2.50002G	-54.12	21.65927G	-47.28	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	8.18	-11.82	2.04278G	-52.48	2.39964G	-46.90	2.4G	-42.56	2.50178G	-53.59	21.42587G	-46.06	1
2440MHz	Pass	2.44008G	8.54	-11.46	33.53M	-53.28	2.39948G	-52.90	2.4G	-56.17	2.50182G	-53.42	21.88423G	-47.14	1
2480MHz	Pass	2.48016G	8.11	-11.89	2.1826G	-53.88	2.39336G	-54.68	2.4G	-56.32	2.50302G	-54.55	21.63677G	-47.13	1

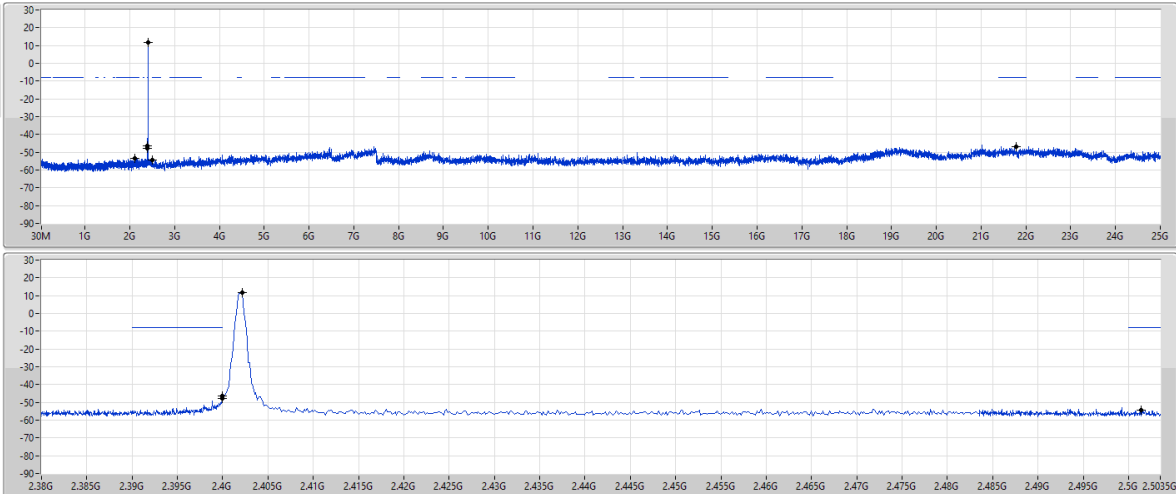
2.4-2.4835GHz_BT-BR(1Mbps)

CSEndB-FS

2402MHz

23/07/2025

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak



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
2.40217G	11.90	-8.10	2.10858G	-53.42	2.39996G	-46.45	2.4G	-47.67	2.50138G	-54.48	2.178862G	-46.98	1

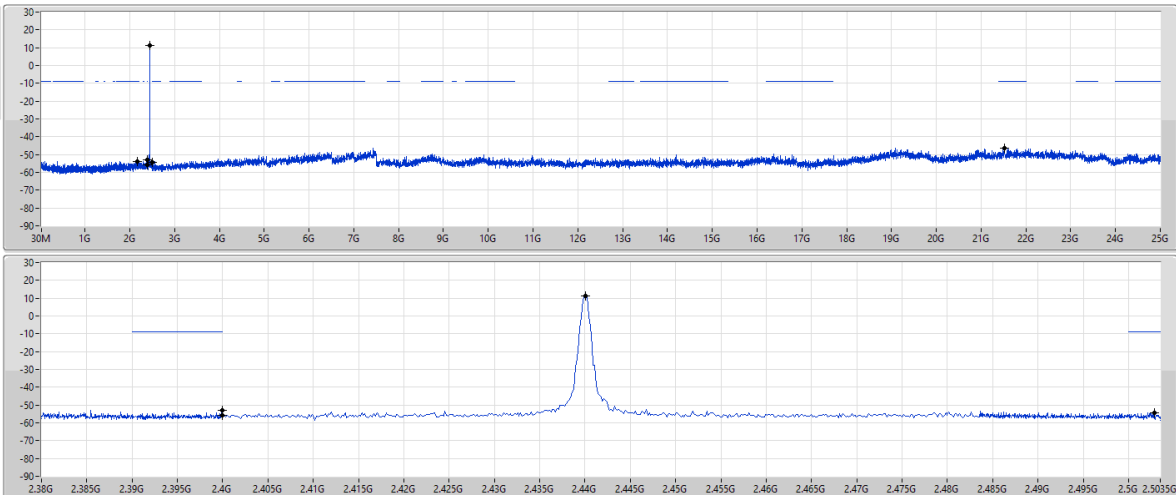
2.4-2.4835GHz_BT-BR(1Mbps)

CSEndB-FS

2440MHz

23/07/2025

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

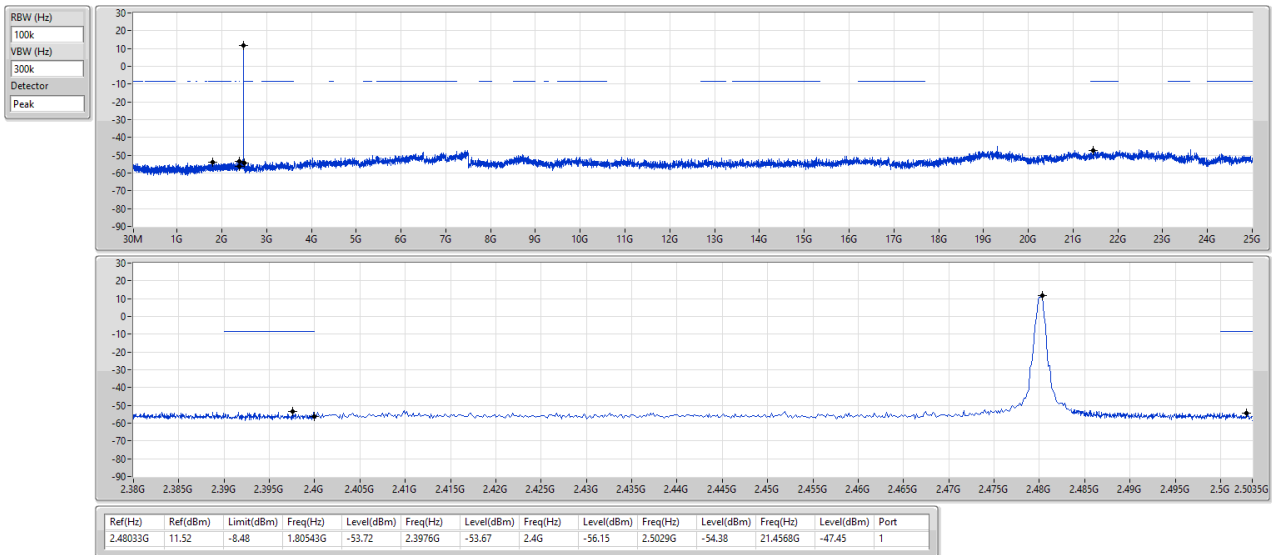


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44008G	11.04	-8.96	2.16028G	-53.68	2.39992G	-52.91	2.4G	-55.68	2.50282G	-54.16	2.151955G	-46.21	1

2.4-2.4835GHz_BT-BR(1Mbps)

CSEndB-FS

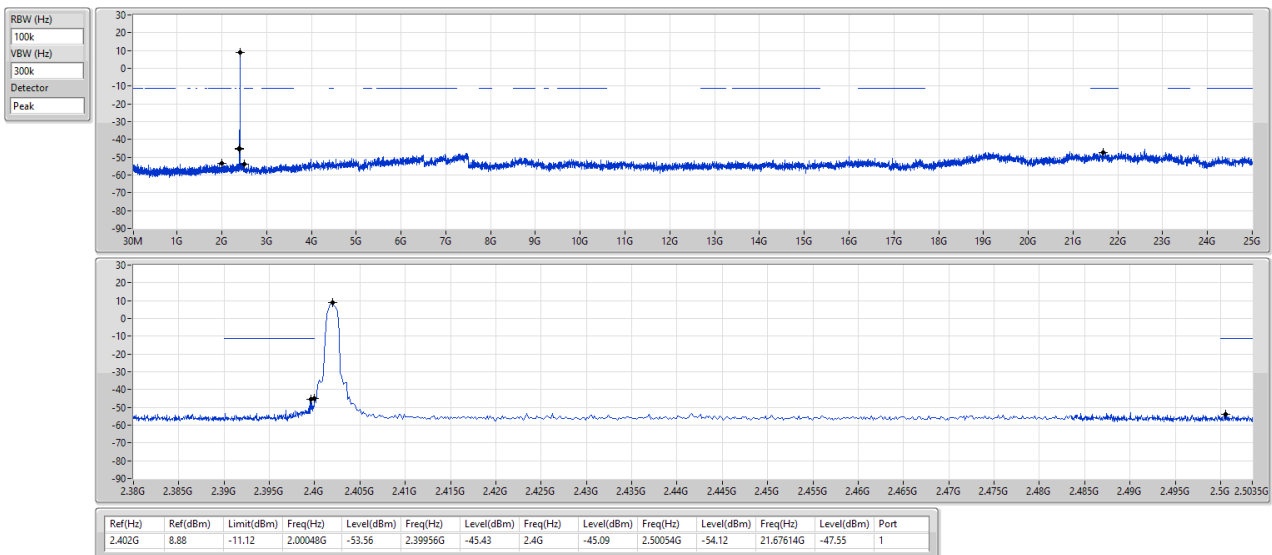
2480MHz



2.4-2.4835GHz_BT-EDR(2Mbps)

CSEndB-FS

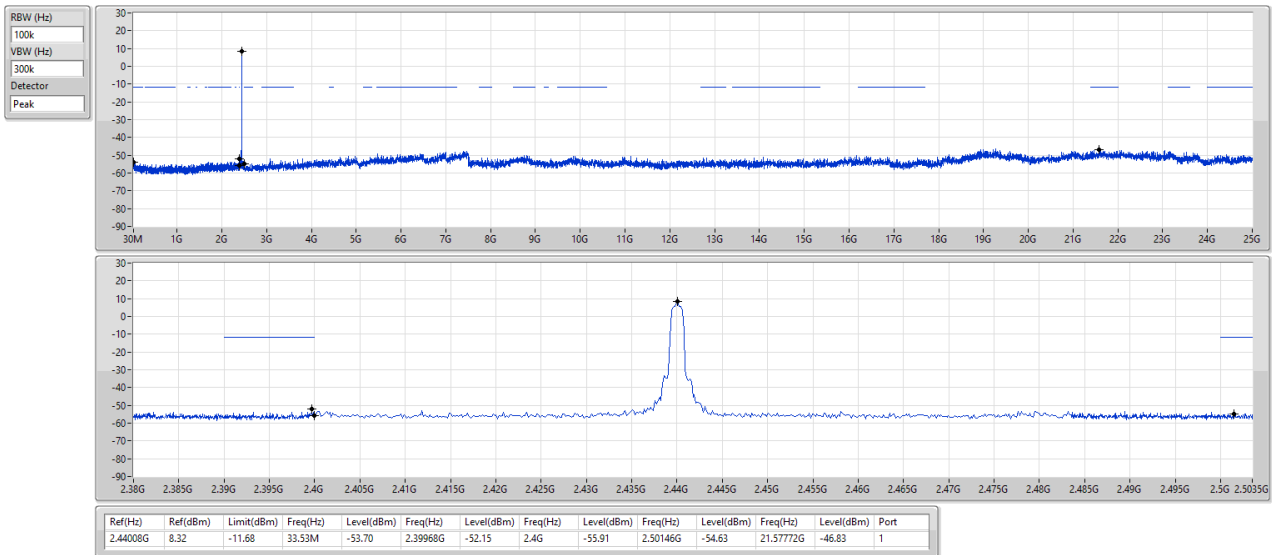
2402MHz



2.4-2.4835GHz_BT-EDR(2Mbps)

CSEndB-FS

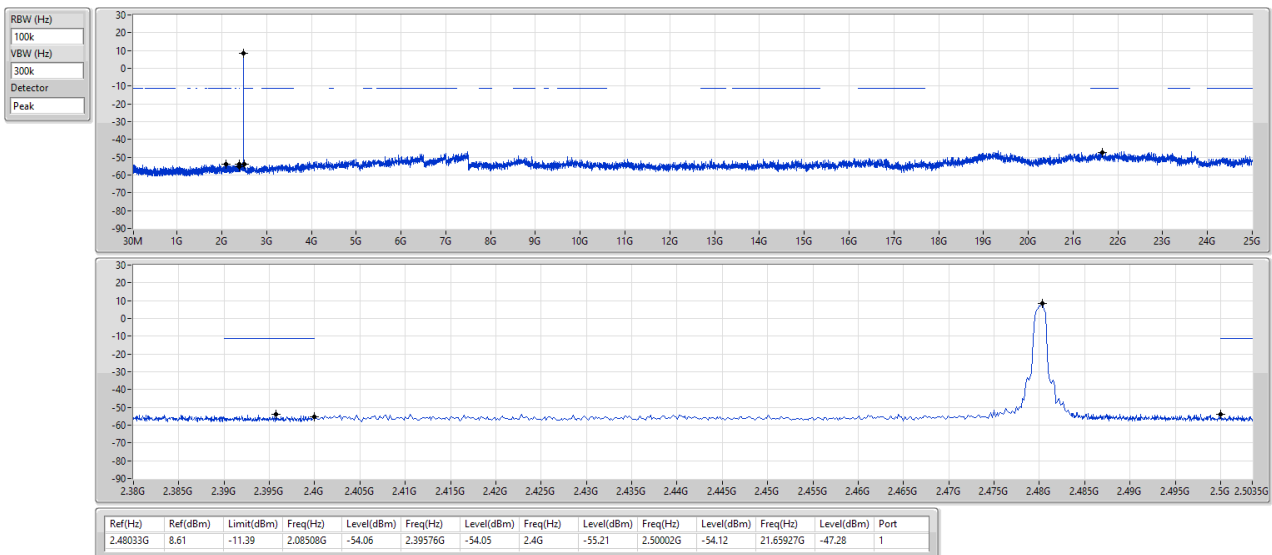
2440MHz



2.4-2.4835GHz_BT-EDR(2Mbps)

CSEndB-FS

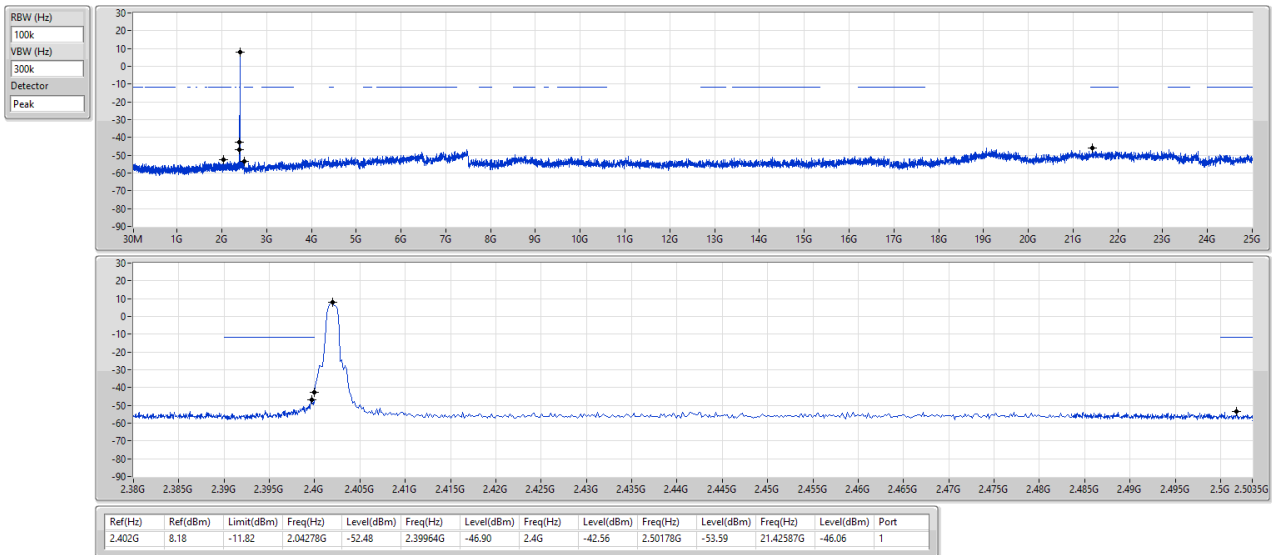
2480MHz



2.4-2.4835GHz_BT-EDR(3Mbps)

CSEndB-FS

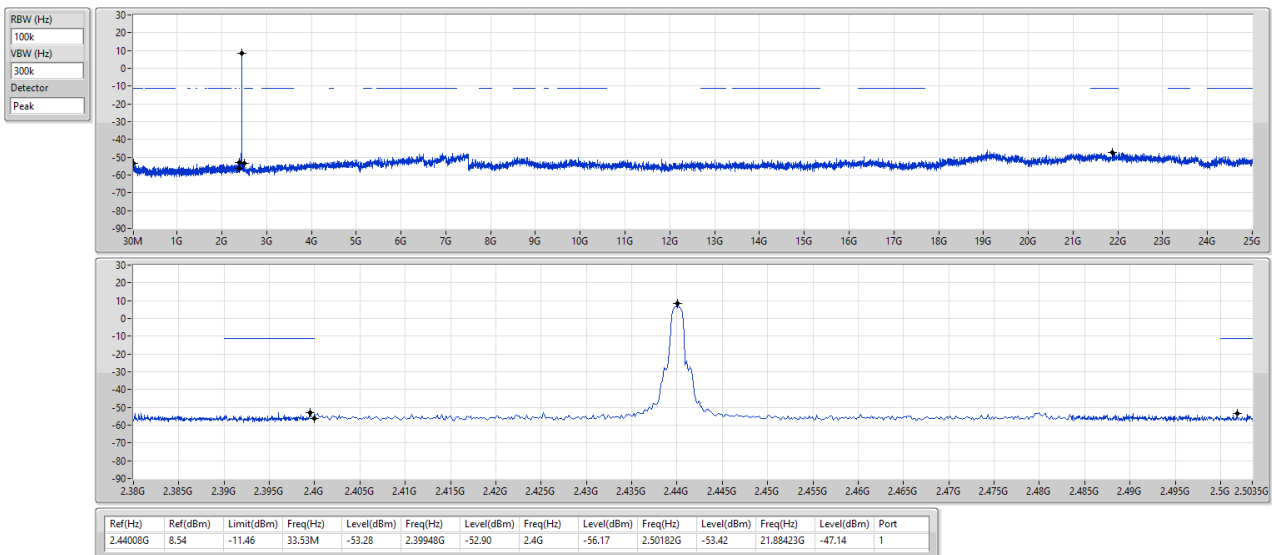
2402MHz



2.4-2.4835GHz_BT-EDR(3Mbps)

CSEndB-FS

2440MHz



2.4-2.4835GHz_BT-EDR(3Mbps)

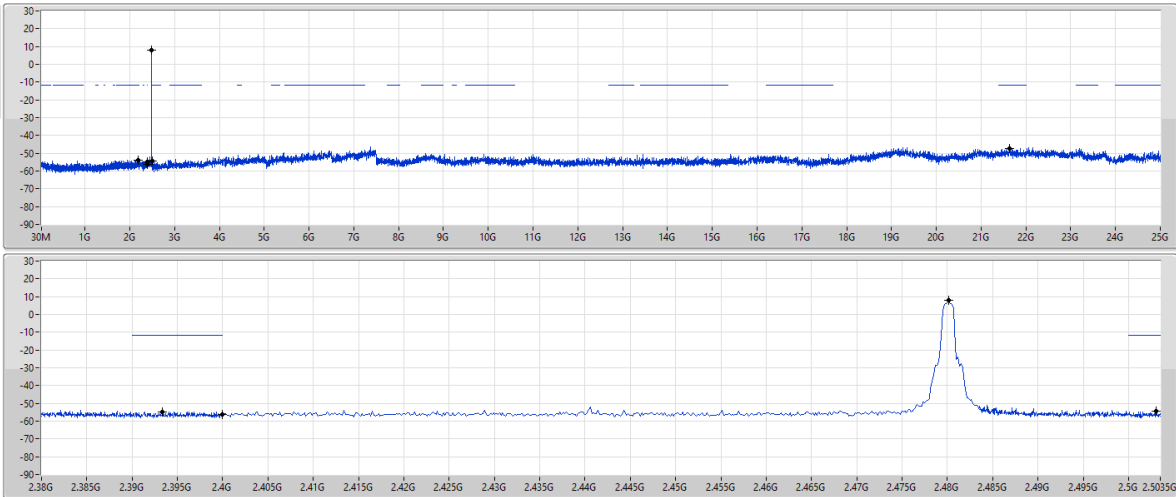
CSEndB-FS

2480MHz

23/07/2025

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Port 1



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	8.11	-11.89	2.1826G	-53.88	2.39336G	-54.68	2.4G	-56.32	2.50302G	-54.55	21.63677G	-47.13	1



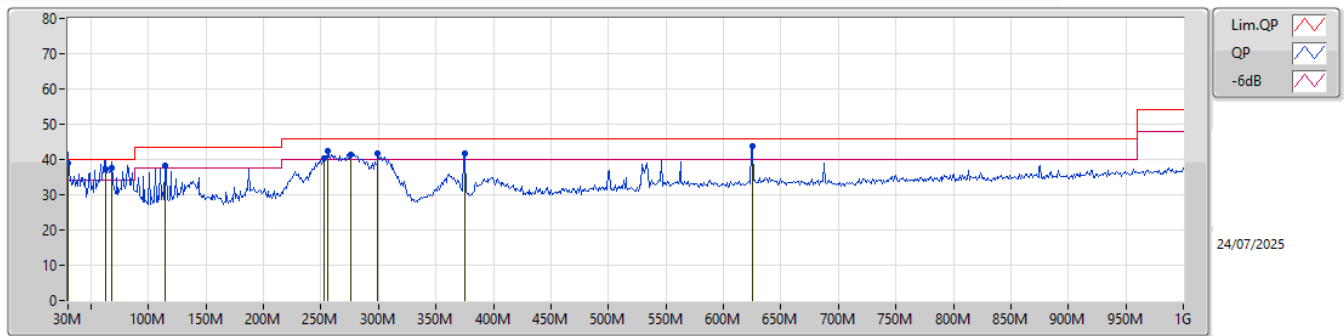
Radiated Emissions below 1GHz

Appendix G.1

Summary

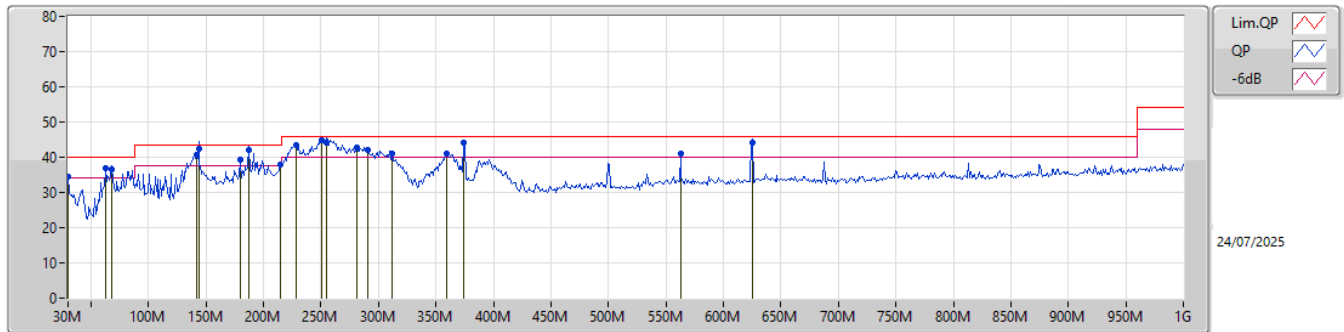
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	QP	30M	38.93	40.00	-1.07	Vertical

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
QP	30M	38.93	40.00	-1.07	-19.19	3	Vertical	154	1.00	"Worst"	58.12	24.35	0.89	44.43		
QP	62.98M	37.29	40.00	-2.71	-31.03	3	Vertical	36	2.00	-	68.32	12.36	1.28	44.67		
QP	67.83M	37.45	40.00	-2.55	-31.10	3	Vertical	202	2.00	-	68.55	12.28	1.28	44.66		
PK	114.39M	38.12	43.50	-5.38	-25.10	3	Vertical	24	1.00	-	63.22	17.83	1.73	44.66		
PK	253.1M	40.32	46.00	-5.68	-23.04	3	Vertical	229	2.00	-	63.36	18.72	2.63	44.39		
PK	256.01M	42.49	46.00	-3.51	-22.61	3	Vertical	237	1.50	-	65.10	19.13	2.64	44.38		
PK	275.41M	41.51	46.00	-4.49	-22.84	3	Vertical	200	2.00	-	64.35	18.77	2.75	44.36		
PK	299.66M	41.80	46.00	-4.20	-22.29	3	Vertical	183	1.25	-	64.09	19.16	2.88	44.33		
PK	375.32M	41.68	46.00	-4.32	-20.20	3	Vertical	123	1.25	-	61.88	20.78	3.22	44.20		
QP	625.58M	43.66	46.00	-2.34	-14.29	3	Vertical	120	1.50	-	57.95	25.22	4.35	43.86		

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	30M	34.58	40.00	-5.42	-19.19	3	Horizontal	0	1.00	-	53.77	24.35	0.89	44.43		
PK	62.98M	36.79	40.00	-3.21	-31.03	3	Horizontal	121	2.00	-	67.82	12.36	1.28	44.67		
QP	67.83M	36.42	40.00	-3.58	-31.10	3	Horizontal	107	3.00	-	67.52	12.28	1.28	44.66		
QP	141.55M	40.82	43.50	-2.68	-25.77	3	Horizontal	252	2.00	-	66.59	17.02	1.90	44.69		
QP	143.49M	42.43	43.50	-1.07	-25.89	3	Horizontal	252	2.00	"Worst"	68.32	16.87	1.92	44.68		
PK	179.38M	39.31	43.50	-4.19	-27.08	3	Horizontal	107	1.50	-	66.39	15.19	2.20	44.47		
QP	187.14M	42.07	43.50	-1.43	-27.26	3	Horizontal	103	1.25	-	69.33	14.97	2.26	44.49		
PK	214.3M	38.08	43.50	-5.42	-27.11	3	Horizontal	113	1.50	-	65.19	14.95	2.42	44.48		
QP	228.85M	43.45	46.00	-2.55	-25.98	3	Horizontal	118	1.00	-	69.43	15.96	2.50	44.44		
QP	250.19M	44.91	46.00	-1.09	-23.41	3	Horizontal	107	1.25	-	68.32	18.37	2.61	44.39		
QP	255.04M	44.24	46.00	-1.76	-22.74	3	Horizontal	101	1.25	-	66.98	19.00	2.64	44.38		
PK	281.23M	42.84	46.00	-3.16	-22.72	3	Horizontal	153	1.25	-	65.56	18.85	2.78	44.35		
PK	290.93M	42.02	46.00	-3.98	-22.51	3	Horizontal	164	1.00	-	64.53	19.00	2.83	44.34		
PK	312.27M	40.89	46.00	-5.11	-22.03	3	Horizontal	174	1.00	-	62.92	19.37	2.93	44.33		
PK	358.83M	40.87	46.00	-5.13	-20.64	3	Horizontal	68	1.00	-	61.51	20.51	3.13	44.28		
QP	374.35M	44.00	46.00	-2.00	-20.24	3	Horizontal	156	1.00	-	64.24	20.76	3.21	44.21		
PK	562.53M	41.01	46.00	-4.99	-15.06	3	Horizontal	356	3.00	-	56.07	24.99	3.93	43.98		
QP	625.58M	44.03	46.00	-1.97	-14.29	3	Horizontal	51	1.50	-	58.32	25.22	4.35	43.86		

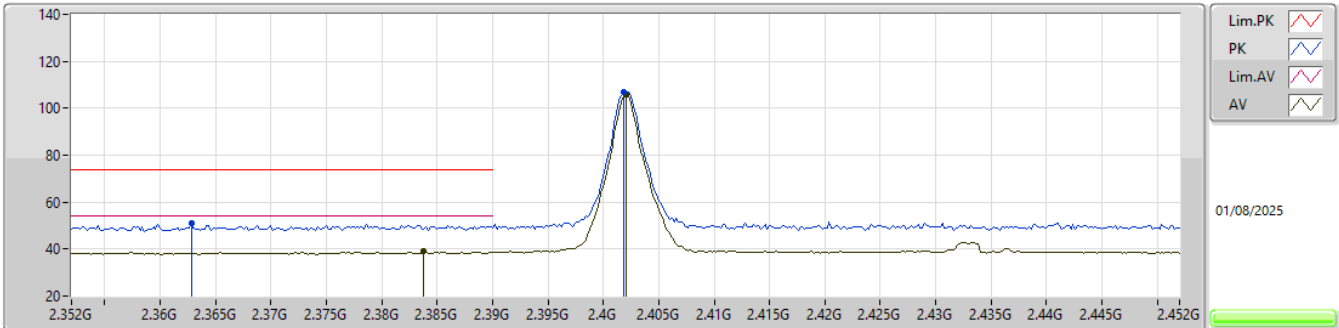


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-EDR(3Mbps)	Pass	AV	2.4835G	52.87	54.00	-1.13	3	Vertical	265	1.95	-

2.4-2.4835GHz_BT-BR(1Mbps)

2402MHz_TX

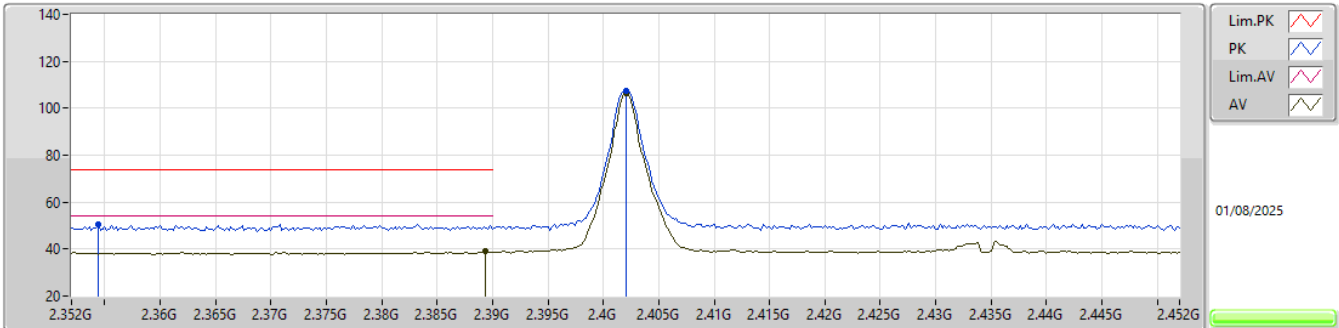


EUT_Z_1TX
Setting 11
06-E-L-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	2.3628G	50.79	74.00	-23.21	51.30	3	Vertical	310	1.79	-	28.10	4.61	33.22				
AV	2.3838G	39.00	54.00	-15.00	39.34	3	Vertical	310	1.79	-	28.28	4.62	33.24				
PK	2.4018G	106.72	Inf	-Inf	106.84	3	Vertical	310	1.79	-	28.50	4.63	33.25				
AV	2.402G	105.73	Inf	-Inf	105.85	3	Vertical	310	1.79	-	28.50	4.63	33.25				

2.4-2.4835GHz_BT-BR(1Mbps)

2402MHz_TX

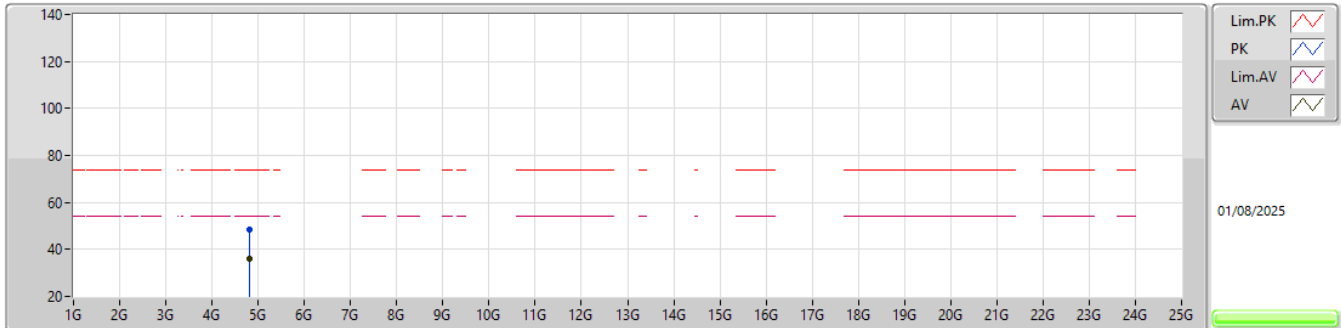


EUT_Z_1TX
Setting 11
06-E-L-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3544G	50.58	74.00	-23.42	51.09	3	Horizontal	317	1.66	-	28.10	4.60	33.21			
AV	2.3894G	39.11	54.00	-14.89	39.34	3	Horizontal	317	1.66	-	28.39	4.62	33.24			
PK	2.402G	107.48	Inf	-Inf	107.60	3	Horizontal	317	1.66	-	28.50	4.63	33.25			
AV	2.402G	106.61	Inf	-Inf	106.73	3	Horizontal	317	1.66	-	28.50	4.63	33.25			

2.4-2.4835GHz_BT-BR(1Mbps)

2402MHz_TX

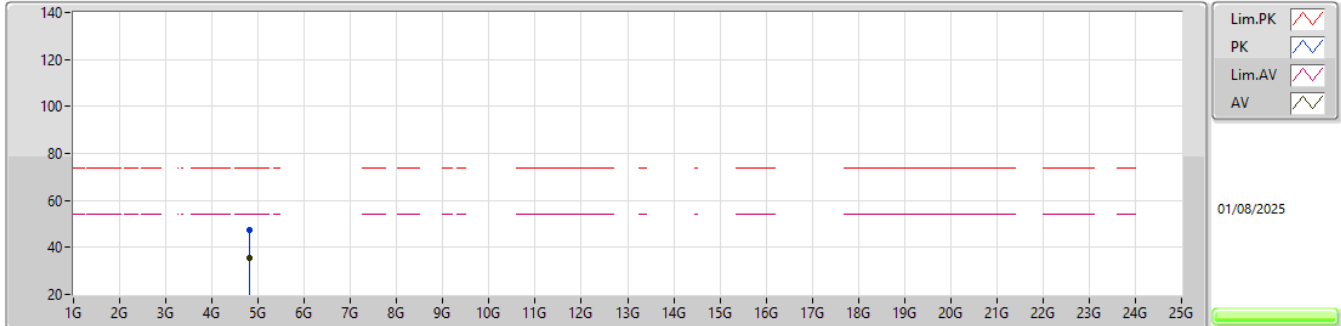


EUT_X_1TX
Setting 11
06-E-G-4

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	4.80182G	48.21	74.00	-25.79	42.32	3	Vertical	230	2.47	-	33.00	6.55	33.66			
AV	4.80386G	35.98	54.00	-18.02	30.09	3	Vertical	230	2.47	-	33.00	6.55	33.66			

2.4-2.4835GHz_BT-BR(1Mbps)

2402MHz_TX

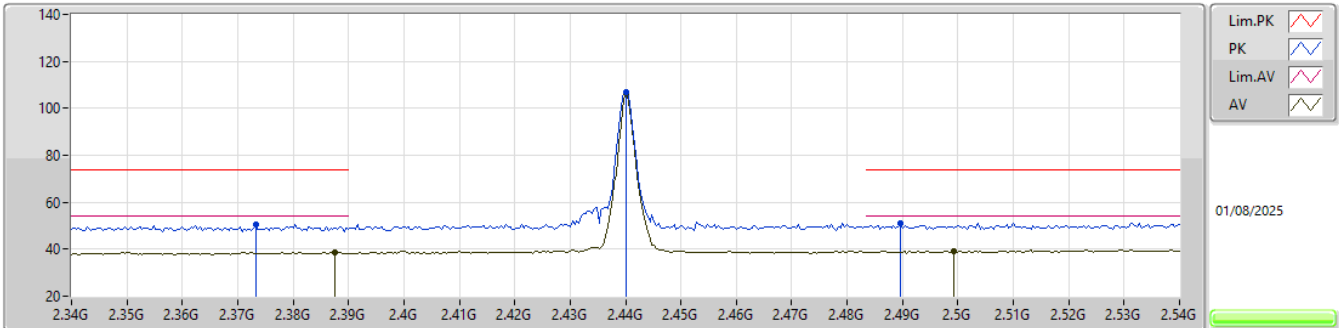


EUT_X_1TX
Setting 11
06-E-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.8069G	47.65	74.00	-26.35	41.76	3	Horizontal	359	1.01	-	33.00	6.55	33.66			
AV	4.80396G	35.60	54.00	-18.40	29.71	3	Horizontal	359	1.01	-	33.00	6.55	33.66			

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_TX

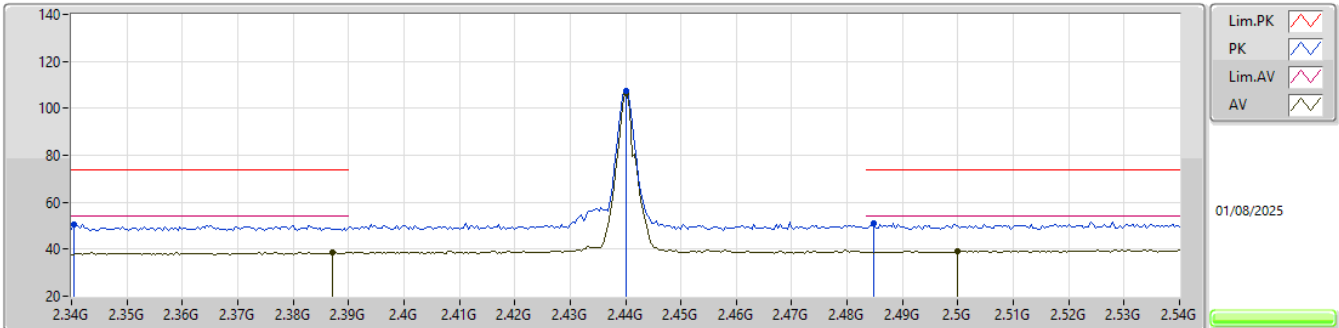


EUT_Z_1TX
Setting 11
06-E-L-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3732G	50.59	74.00	-23.41	51.08	3	Vertical	293	2.88	-	28.13	4.61	33.23			
AV	2.3876G	38.77	54.00	-15.23	39.04	3	Vertical	293	2.88	-	28.35	4.62	33.24			
PK	2.44G	107.10	Inf	-Inf	107.09	3	Vertical	293	2.88	-	28.60	4.70	33.29			
AV	2.44G	106.23	Inf	-Inf	106.22	3	Vertical	293	2.88	-	28.60	4.70	33.29			
PK	2.4896G	51.29	74.00	-22.71	51.04	3	Vertical	293	2.88	-	28.80	4.78	33.33			
AV	2.4992G	39.16	54.00	-14.84	38.90	3	Vertical	293	2.88	-	28.80	4.80	33.34			

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_TX

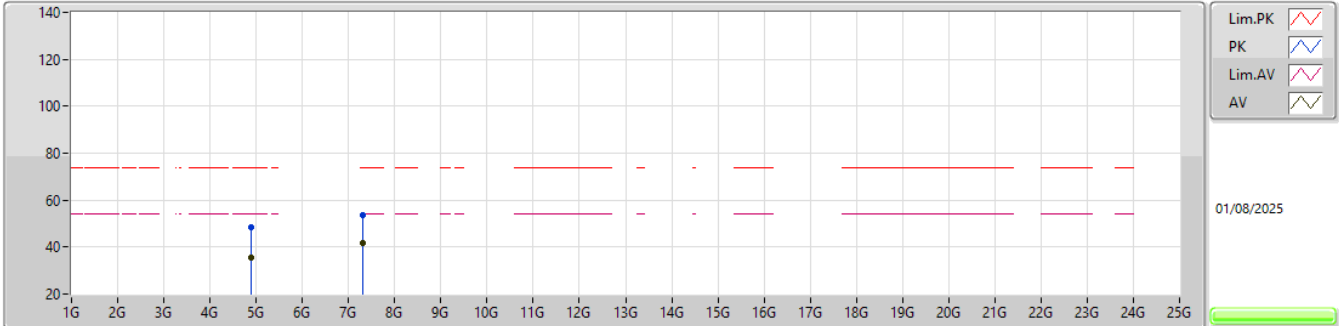


EUT_Z_1TX
Setting 11
06-E-L-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3404G	50.62	74.00	-23.38	51.23	3	Horizontal	316	2.09	-	28.00	4.59	33.20			
AV	2.3872G	38.63	54.00	-15.37	38.91	3	Horizontal	316	2.09	-	28.34	4.62	33.24			
PK	2.44G	107.37	Inf	-Inf	107.36	3	Horizontal	316	2.09	-	28.60	4.70	33.29			
AV	2.44G	106.48	Inf	-Inf	106.47	3	Horizontal	316	2.09	-	28.60	4.70	33.29			
PK	2.4848G	51.02	74.00	-22.98	50.78	3	Horizontal	316	2.09	-	28.80	4.77	33.33			
AV	2.5G	39.07	54.00	-14.93	38.81	3	Horizontal	316	2.09	-	28.80	4.80	33.34			

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_TX

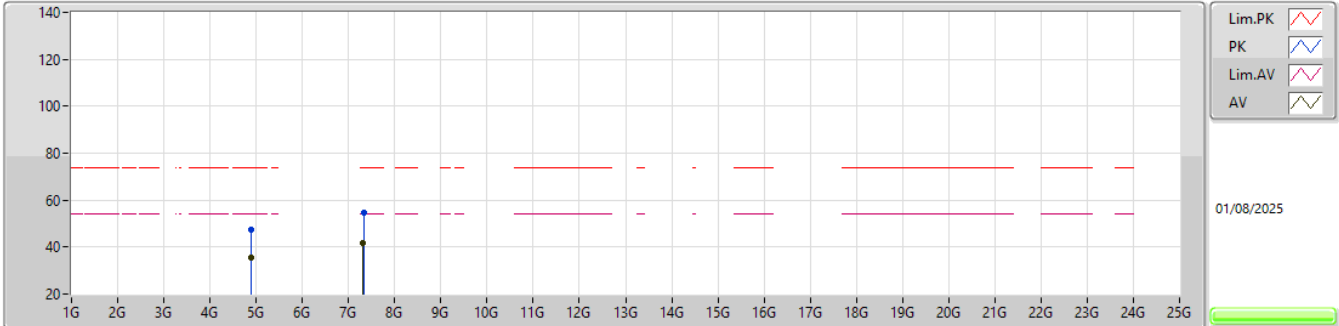


EUT_X_1TX
Setting 11
06-E-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.87796G	48.32	74.00	-25.68	42.33	3	Vertical	299	2.89	-	33.11	6.55	33.67				
AV	4.87736G	35.34	54.00	-18.66	29.35	3	Vertical	299	2.89	-	33.11	6.55	33.67				
PK	7.31714G	53.57	74.00	-20.43	41.20	3	Vertical	148	1.93	-	37.33	8.58	33.54				
AV	7.31758G	41.60	54.00	-12.40	29.22	3	Vertical	148	1.93	-	37.34	8.58	33.54				

2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz_TX

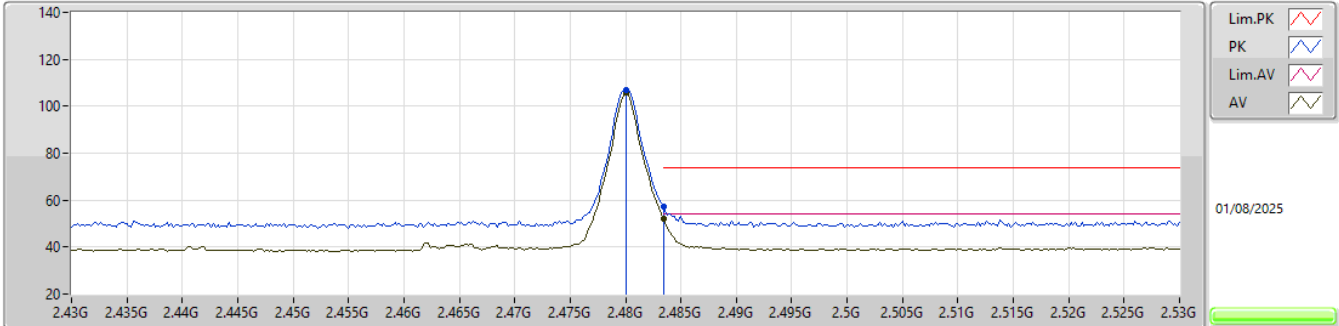


EUT_X_1TX
Setting 11
06-E-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.88116G	47.52	74.00	-26.48	41.52	3	Horizontal	333	1.86	-	33.12	6.55	33.67				
AV	4.87828G	35.35	54.00	-18.65	29.36	3	Horizontal	333	1.86	-	33.11	6.55	33.67				
PK	7.3234G	54.71	74.00	-19.29	42.32	3	Horizontal	92	1.09	-	37.35	8.58	33.54				
AV	7.32012G	41.59	54.00	-12.41	29.21	3	Horizontal	92	1.09	-	37.34	8.58	33.54				

2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX

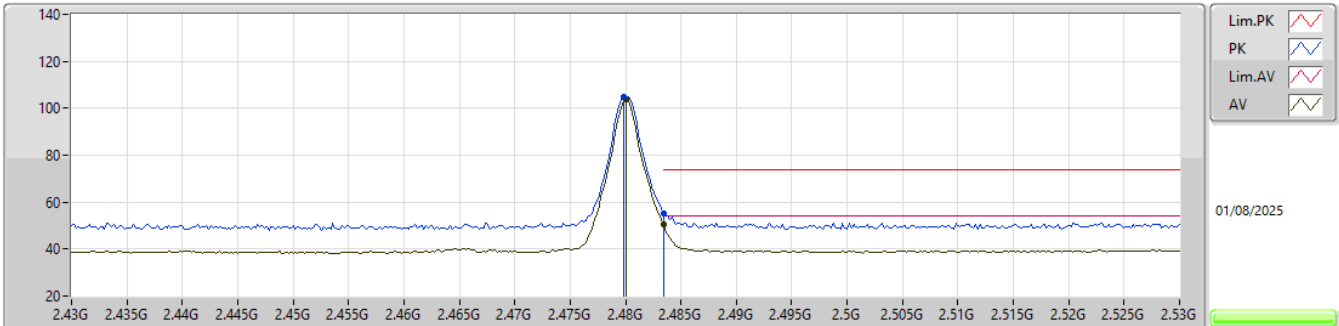


EUT_Z_1TX
Setting 10
06-E-L-4-10

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	106.69	Inf	-Inf	106.44	3	Vertical	293	2.48	-	28.80	4.77	33.32			
AV	2.48G	105.74	Inf	-Inf	105.49	3	Vertical	293	2.48	-	28.80	4.77	33.32			
PK	2.4835G	57.01	74.00	-16.99	56.77	3	Vertical	293	2.48	-	28.80	4.77	33.33			
AV	2.4835G	52.25	54.00	-1.75	52.01	3	Vertical	293	2.48	-	28.80	4.77	33.33			

2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX

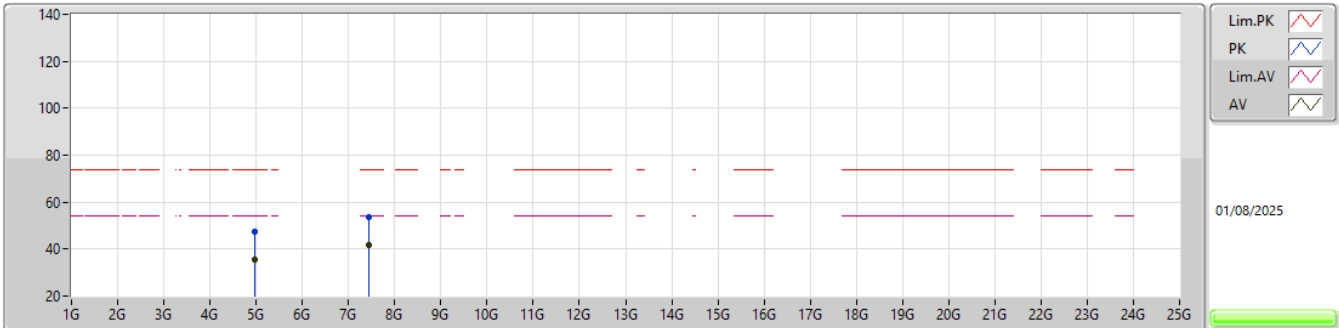


EUT_Z_1TX
Setting 10
06-E-L-4-10

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	2.4798G	104.90	Inf	-Inf	104.65	3	Horizontal	312	1.80	-	28.80	4.77	33.32			
AV	2.48G	103.94	Inf	-Inf	103.69	3	Horizontal	312	1.80	-	28.80	4.77	33.32			
PK	2.4835G	55.17	74.00	-18.83	54.93	3	Horizontal	312	1.80	-	28.80	4.77	33.33			
AV	2.4835G	50.50	54.00	-3.50	50.26	3	Horizontal	312	1.80	-	28.80	4.77	33.33			

2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX

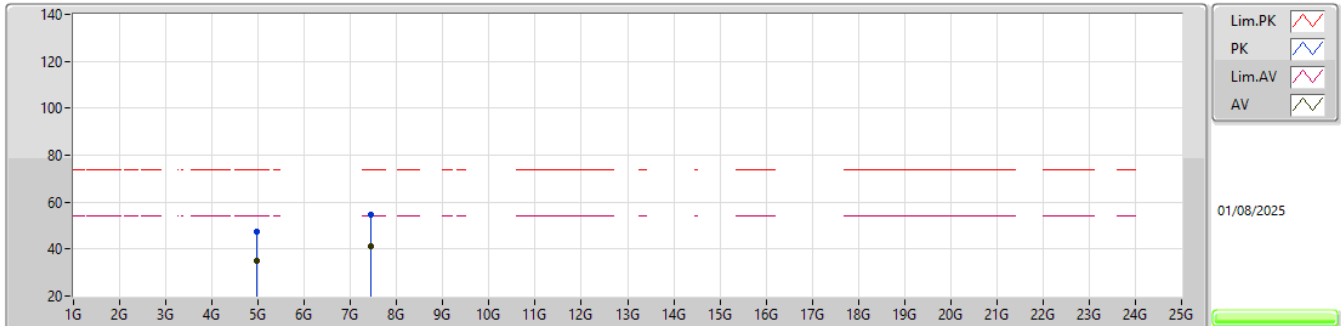


EUT_X_1TX
Setting 10
06-E-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.96476G	47.22	74.00	-26.78	41.14	3	Vertical	265	1.97	-	33.20	6.56	33.68				
AV	4.96436G	35.38	54.00	-18.62	29.30	3	Vertical	265	1.97	-	33.20	6.56	33.68				
PK	7.43924G	53.52	74.00	-20.48	41.02	3	Vertical	234	2.20	-	37.38	8.71	33.59				
AV	7.44108G	41.56	54.00	-12.44	29.06	3	Vertical	234	2.20	-	37.38	8.71	33.59				

2.4-2.4835GHz_BT-BR(1Mbps)

2480MHz_TX

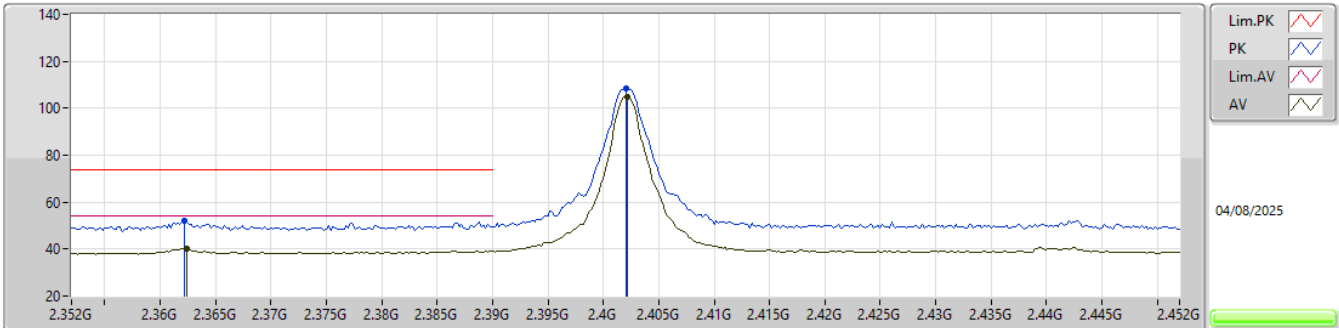


EUT_X_1TX
Setting 10
06-E-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.9606G	47.52	74.00	-26.48	41.44	3	Horizontal	18	1.61	-	33.20	6.56	33.68				
AV	4.95886G	35.22	54.00	-18.78	29.14	3	Horizontal	18	1.61	-	33.20	6.56	33.68				
PK	7.43722G	54.43	74.00	-19.57	41.95	3	Horizontal	104	2.74	-	37.37	8.70	33.59				
AV	7.4449G	41.25	54.00	-12.75	28.74	3	Horizontal	104	2.74	-	37.39	8.72	33.60				

2.4-2.4835GHz_BT-EDR(3Mbps)

2402MHz_TX

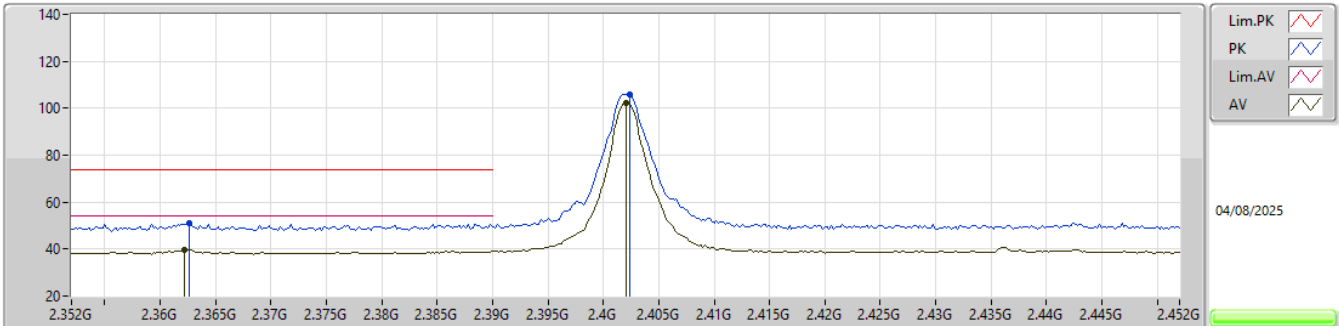


EUT_Z_1TX
Setting 13
06-E-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3622G	51.88	74.00	-22.12	52.39	3	Vertical	270	1.80	-	28.10	4.61	33.22			
AV	2.3624G	40.35	54.00	-13.65	40.86	3	Vertical	270	1.80	-	28.10	4.61	33.22			
PK	2.402G	108.23	Inf	-Inf	108.35	3	Vertical	270	1.80	-	28.50	4.63	33.25			
AV	2.4022G	104.82	Inf	-Inf	104.94	3	Vertical	270	1.80	-	28.50	4.63	33.25			

2.4-2.4835GHz_BT-EDR(3Mbps)

2402MHz_TX

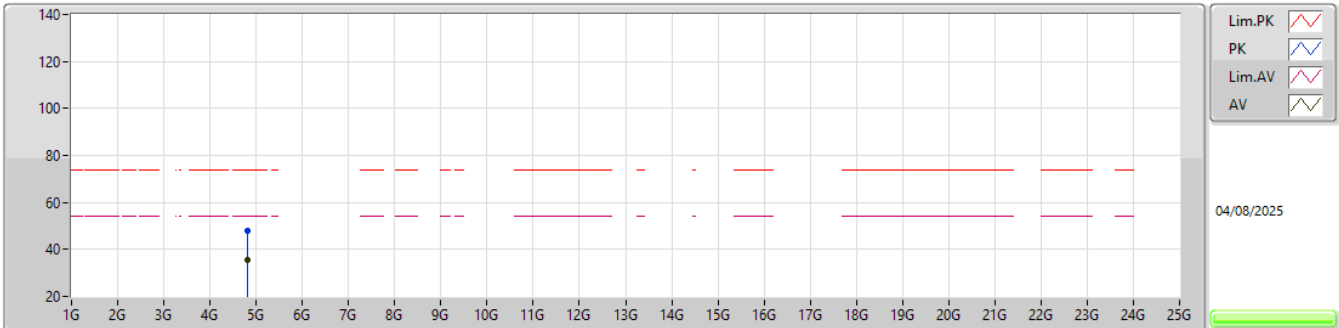


EUT_Z_1TX
Setting 13
06-E-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3626G	50.84	74.00	-23.16	51.35	3	Horizontal	332	1.28	-	28.10	4.61	33.22			
AV	2.3622G	39.56	54.00	-14.44	40.07	3	Horizontal	332	1.28	-	28.10	4.61	33.22			
PK	2.4024G	105.88	Inf	-Inf	106.00	3	Horizontal	332	1.28	-	28.50	4.63	33.25			
AV	2.402G	102.40	Inf	-Inf	102.52	3	Horizontal	332	1.28	-	28.50	4.63	33.25			

2.4-2.4835GHz_BT-EDR(3Mbps)

2402MHz_TX

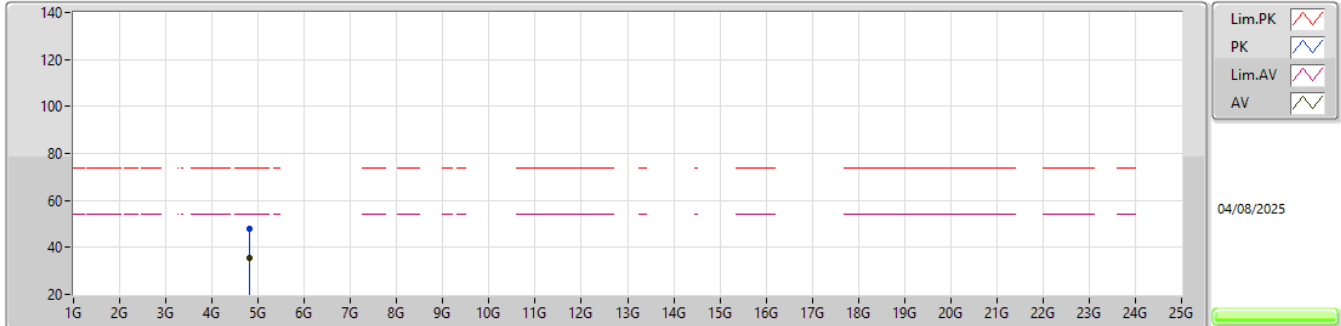


EUT_X_1TX
Setting 13
06-E-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.80158G	47.93	74.00	-26.07	42.04	3	Vertical	26	1.80	-	33.00	6.55	33.66			
AV	4.80566G	35.42	54.00	-18.58	29.53	3	Vertical	26	1.80	-	33.00	6.55	33.66			

2.4-2.4835GHz_BT-EDR(3Mbps)

2402MHz_TX

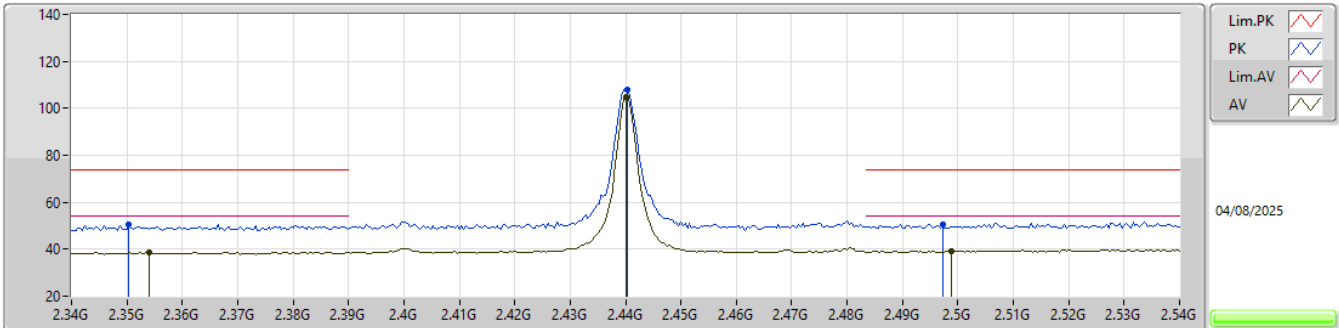


EUT_X_1TX
Setting 13
06-E-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	4.80666G	48.02	74.00	-25.98	42.13	3	Horizontal	145	1.80	-	33.00	6.55	33.66			
AV	4.8044G	35.45	54.00	-18.55	29.56	3	Horizontal	145	1.80	-	33.00	6.55	33.66			

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz_TX

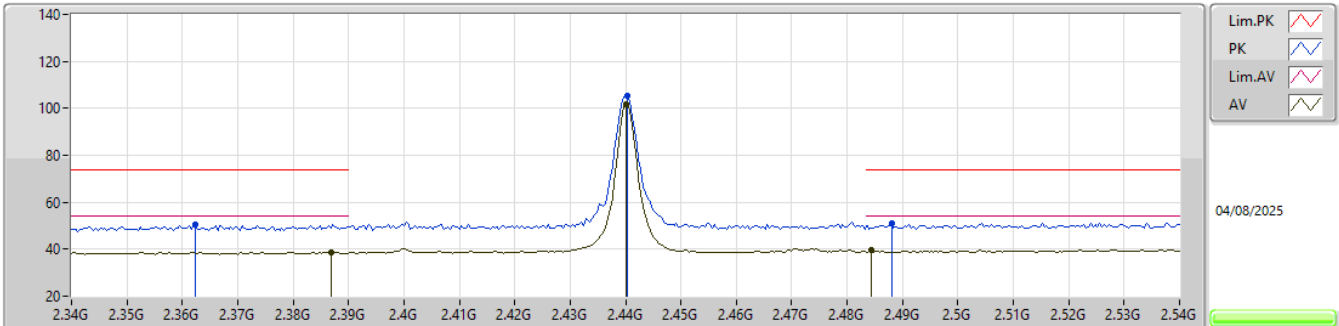


EUT_Z_1TX
Setting 13
06-E-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3504G	50.76	74.00	-23.24	51.27	3	Vertical	272	1.76	-	28.10	4.60	33.21			
AV	2.354G	38.70	54.00	-15.30	39.21	3	Vertical	272	1.76	-	28.10	4.60	33.21			
PK	2.4404G	108.03	Inf	-Inf	108.02	3	Vertical	272	1.76	-	28.60	4.70	33.29			
AV	2.44G	104.70	Inf	-Inf	104.69	3	Vertical	272	1.76	-	28.60	4.70	33.29			
PK	2.4972G	50.55	74.00	-23.45	50.29	3	Vertical	272	1.76	-	28.80	4.80	33.34			
AV	2.4988G	39.16	54.00	-14.84	38.90	3	Vertical	272	1.76	-	28.80	4.80	33.34			

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz_TX

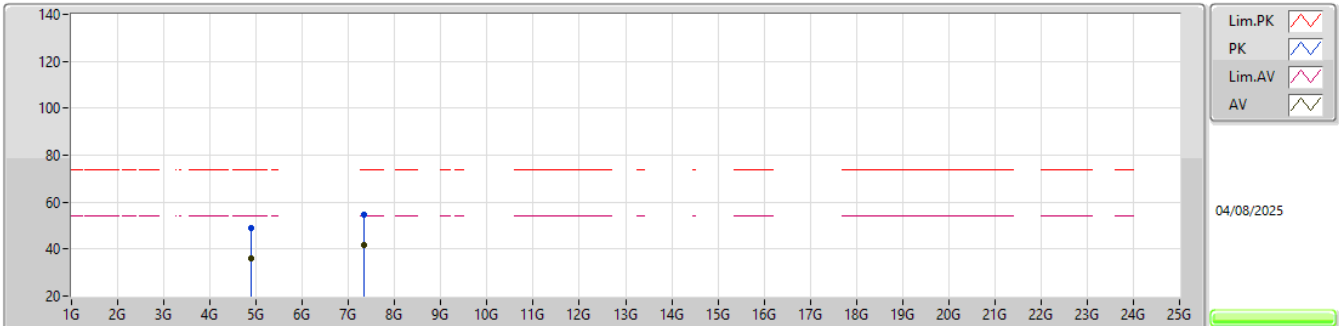


EUT_Z_1TX
Setting 13
06-E-G-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)			
PK	2.3624G	50.65	74.00	-23.35	51.16	3	Horizontal	331	1.25	-	28.10	4.61	33.22			
AV	2.3668G	38.58	54.00	-15.42	38.86	3	Horizontal	331	1.25	-	28.34	4.62	33.24			
PK	2.4404G	105.22	Inf	-Inf	105.21	3	Horizontal	331	1.25	-	28.60	4.70	33.29			
AV	2.44G	101.62	Inf	-Inf	101.61	3	Horizontal	331	1.25	-	28.60	4.70	33.29			
PK	2.488G	50.81	74.00	-23.19	50.56	3	Horizontal	331	1.25	-	28.80	4.78	33.33			
AV	2.4844G	39.42	54.00	-14.58	39.18	3	Horizontal	331	1.25	-	28.80	4.77	33.33			

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz_TX

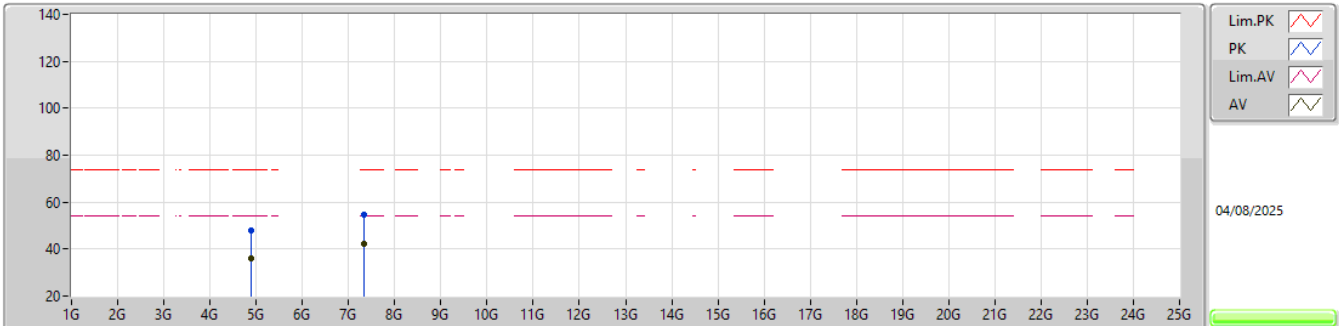


EUT_X_1TX
Setting 13
06-E-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.87986G	49.04	74.00	-24.96	43.04	3	Vertical	360.1	1.80	-	33.12	6.55	33.67				
AV	4.87974G	35.93	54.00	-18.07	29.93	3	Vertical	360.1	1.80	-	33.12	6.55	33.67				
PK	7.32398G	54.41	74.00	-19.59	42.01	3	Vertical	272	1.80	-	37.35	8.59	33.54				
AV	7.325G	41.80	54.00	-12.20	29.40	3	Vertical	272	1.80	-	37.35	8.59	33.54				

2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz_TX

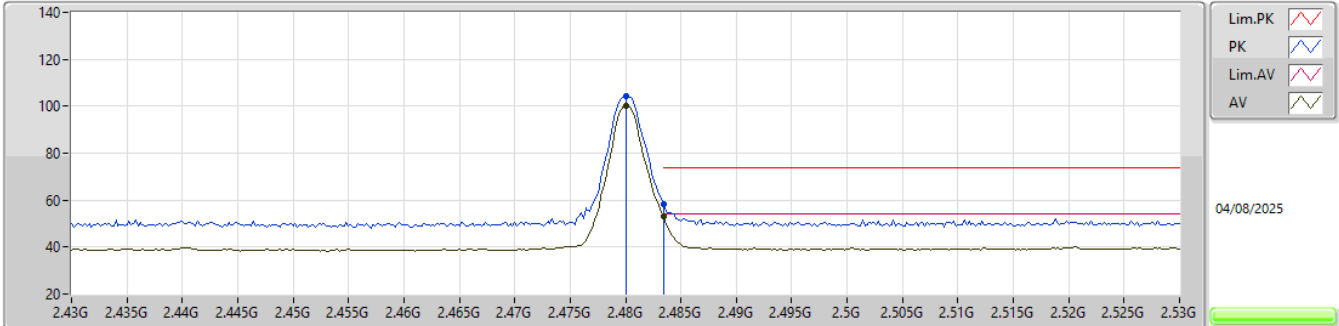


EUT_X_1TX
Setting 13
06-E-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.88018G	47.87	74.00	-26.13	41.87	3	Horizontal	274	1.80	-	33.12	6.55	33.67				
AV	4.88086G	35.78	54.00	-18.22	29.78	3	Horizontal	274	1.80	-	33.12	6.55	33.67				
PK	7.3244G	54.47	74.00	-19.53	42.07	3	Horizontal	2	1.80	-	37.35	8.59	33.54				
AV	7.32358G	42.05	54.00	-11.95	29.65	3	Horizontal	2	1.80	-	37.35	8.59	33.54				

2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX

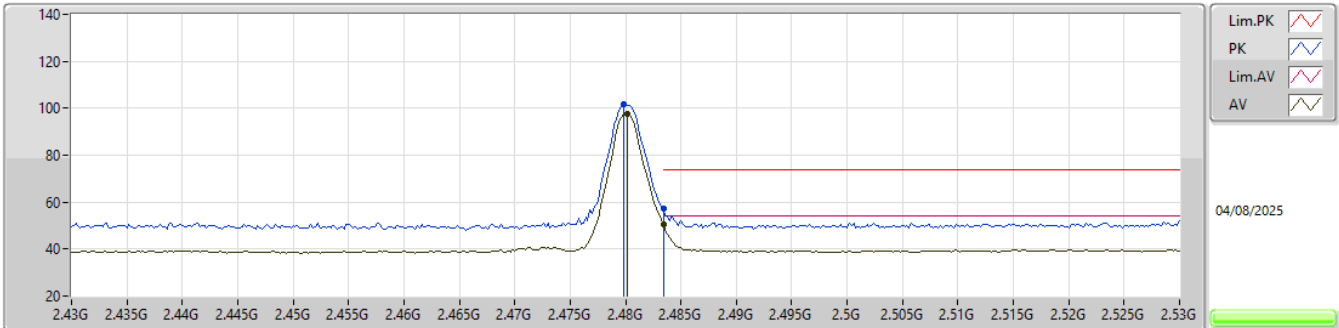


EUT_Z_1TX
Setting 10
06-E-G-5-10

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	104.21	Inf	-Inf	103.96	3	Vertical	265	1.95	-	28.80	4.77	33.32				
AV	2.48G	100.29	Inf	-Inf	100.04	3	Vertical	265	1.95	-	28.80	4.77	33.32				
PK	2.4835G	58.18	74.00	-15.82	57.94	3	Vertical	265	1.95	-	28.80	4.77	33.33				
AV	2.4835G	52.87	54.00	-1.13	52.63	3	Vertical	265	1.95	-	28.80	4.77	33.33				

2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX

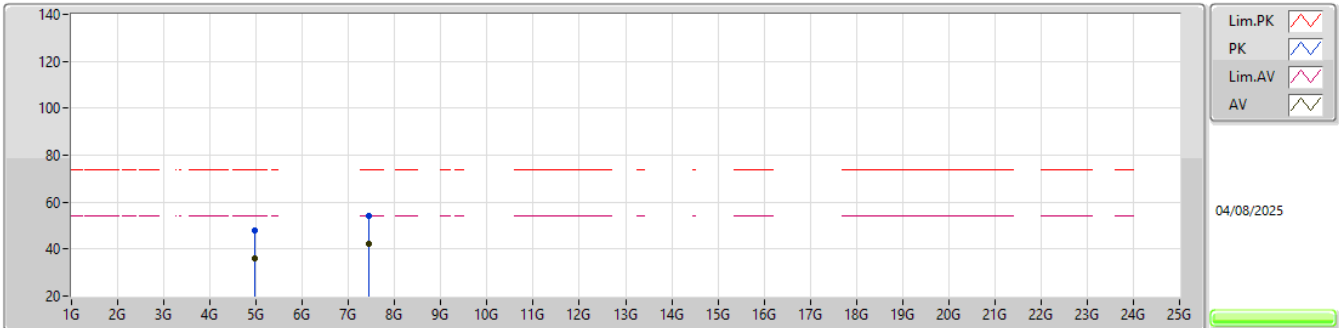


EUT_Z_1TX
Setting 10
06-E-G-5-10

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	2.4798G	101.51	Inf	-Inf	101.26	3	Horizontal	331	1.00	-	28.80	4.77	33.32				
AV	2.4802G	97.63	Inf	-Inf	97.38	3	Horizontal	331	1.00	-	28.80	4.77	33.32				
PK	2.4835G	57.12	74.00	-16.88	56.88	3	Horizontal	331	1.00	-	28.80	4.77	33.33				
AV	2.4835G	50.46	54.00	-3.54	50.22	3	Horizontal	331	1.00	-	28.80	4.77	33.33				

2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX

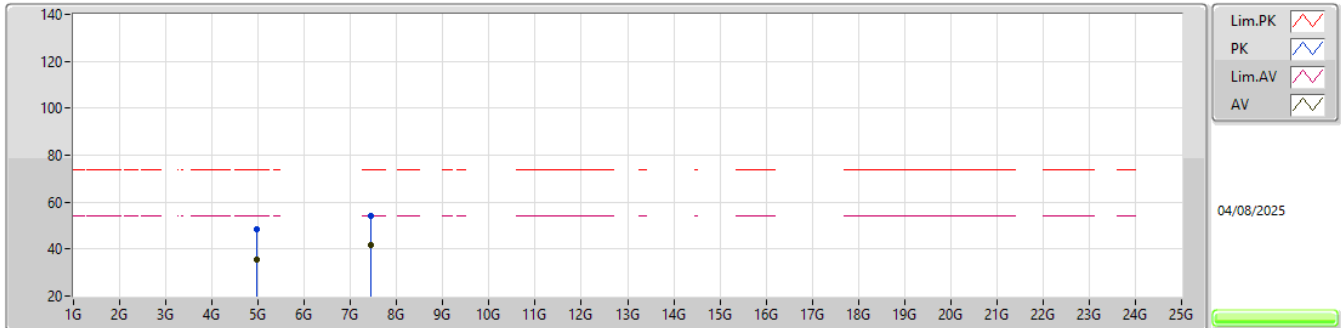


EUT_X_1TX
Setting 10
06-E-G-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.95978G	48.01	74.00	-25.99	41.93	3	Vertical	179.1	1.80	-	33.20	6.56	33.68				
AV	4.95744G	35.96	54.00	-18.04	29.88	3	Vertical	179.1	1.80	-	33.20	6.56	33.68				
PK	7.44262G	54.10	74.00	-19.90	41.59	3	Vertical	46	1.80	-	37.39	8.71	33.59				
AV	7.4418G	42.01	54.00	-11.99	29.51	3	Vertical	46	1.80	-	37.38	8.71	33.59				

2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX



EUT_X_1TX
Setting 10
06-E-G-5

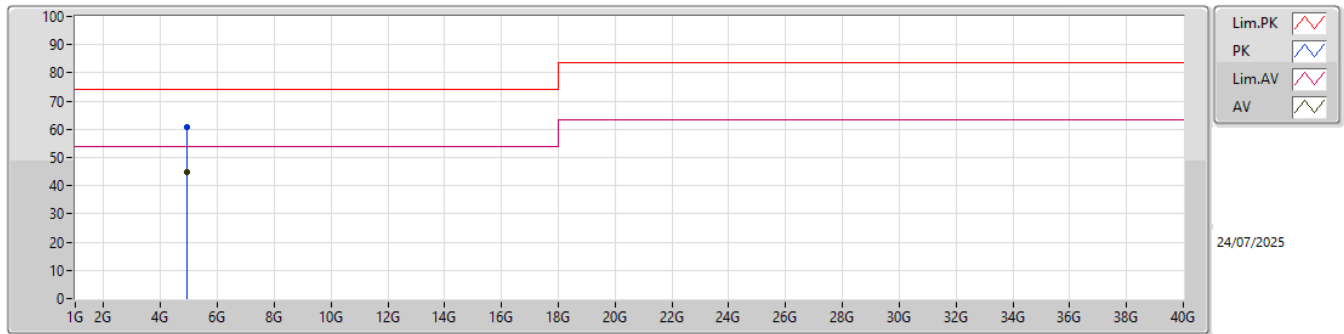
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)				
PK	4.9612G	48.65	74.00	-25.35	42.57	3	Horizontal	136	1.80	-	33.20	6.56	33.68				
AV	4.96316G	35.76	54.00	-18.24	29.68	3	Horizontal	136	1.80	-	33.20	6.56	33.68				
PK	7.43932G	54.39	74.00	-19.61	41.89	3	Horizontal	120	1.37	-	37.38	8.71	33.59				
AV	7.44286G	41.73	54.00	-12.27	29.22	3	Horizontal	120	1.37	-	37.39	8.71	33.59				



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.92325G	44.79	54.00	-9.21	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
AV	4.92325G	44.79	54.00	-9.21	6.94	3	Vertical	130	1.90	"Worst"	37.85	32.95	6.57	32.58		
PK	4.92395G	60.67	74.00	-13.33	6.94	3	Vertical	130	1.90	"	53.73	32.95	6.57	32.58		

Mode 1

