

FCC Radio Test Report

FCC ID : UDX-600126010
Equipment : SMART Camera
Brand Name : CISCO
Model Name : MV23X-HW, MV23M-HW
Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Nov. 14, 2023, and testing was started from Dec. 05, 2023 and completed on Mar. 22, 2024. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



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PHOTOGRAPHS OF EUT V01



Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	20dB Bandwidth	PASS	-
3.2	15.247(a)	Carrier Frequency Separation	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(a)	Number of Hopping Frequencies and Hopping Bandedge	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	-

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

Reviewed by: Ben Tseng

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	Aristotle	JP600	PCB	I-Pex	2.4G+5G+BT
2	Aristotle	JP599	PCB	I-Pex	2.4G+5G

Ant.	Port	Gain (dBi)					
		2.4G	BT	5G			
				U-NII-1	U-NII-2A	U-NII-3C	U-NII-3
1	1	1.72	1.72	4.52	4.71	3.91	3.86
2	2	3.70	-	3.39	3.64	3.35	3.37

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive.

Support diversity function and pre-tested on each single chain, the worst case was Ant. 2(port 2) and it was recorded in this test report.

For 5GHz function:

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

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive.

Support diversity function and pre-tested on each single chain, the worst case was Ant. 1(port 1) and it was recorded in this test report.

For BT function:

Only Ant. 1 (port 1) can be used as transmitting/receiving antenna.



1.1.3 EUT Information

Operational Condition	
EUT Power Type	From AC Adapter / PoE
Type of EUT	
<input checked="" type="checkbox"/>	Stand-alone
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)
<input type="checkbox"/>	Combined Equipment - Brand Name / Model No.: ...
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)
<input type="checkbox"/>	Host System - Brand Name / Model No.: ...
<input type="checkbox"/>	Other:

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T(s)	VBW(Hz) ≥ 1/T
BT-BR(1Mbps)	0.741	1.3	2.887m	1k
BT-EDR(2Mbps)	0.742	1.3	2.889m	1k
BT-EDR(3Mbps)	0.742	1.3	2.891m	1k

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

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	Memory Capacity	Description
MV23X-HW	1TB	All the models are identical, only the memory capacity is different.
MV23M-HW	256GB	

From the above models, model: MV23X-HW was selected as representative model for the test and its data was recorded in this report.

1.2 Testing Applied Standards

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

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

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

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/>	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
		TEL: 886-3-327-3456	FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Daniel Lin	22.8~24.4°C / 52~56%	04/Jan/2024
RF Conducted	TH06-HY	Johnny Yu	21.9~22.4°C / 59~65%	05/Dec/2023
Radiated (Co-location)	03CH03-HY	Ivan Chung	21.3~22.0°C / 54~55%	22/Mar/2024
<input checked="" type="checkbox"/>	Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)		
		TEL: 886-3-327-0868		
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH24-HY	Rian Zhong	21.3~22.5°C / 54~57%	27/Dec/2023~15/Jan/2024

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Emissions in Non-restricted Frequency Bands	0.14 dB	Confidence levels of 95%
Emissions in Restricted Frequency Bands	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode




Test Software Version	QDART-Connectivity1.0-00095
-----------------------	-----------------------------

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

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	PoE Mode

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 <input checked="" type="checkbox"/> Non-adaptive frequency hopping systems (Non-AFH) <input type="checkbox"/> adaptive frequency hopping systems (AFH)
Non-AFH Mode configuration was found to be the worst case and measured during the test.	

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
1	WLAN 2.4GHz + Bluetooth
2	WLAN 5GHz + Bluetooth

Refer to Sporton Test Report No.: FA3N1319 for Co-location RF Exposure Evaluation and Appendix H for Radiated Emission Co-location.



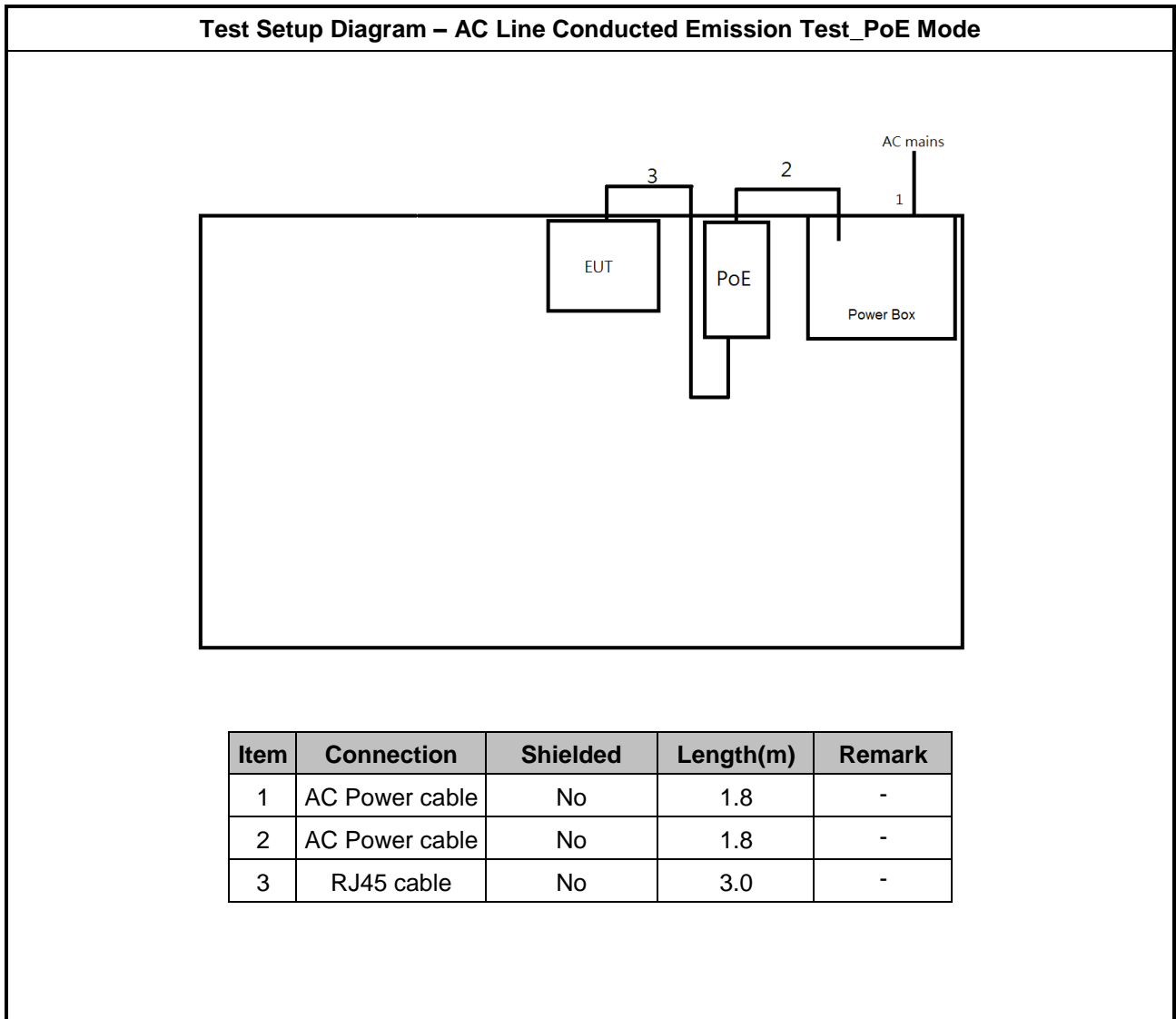
2.3 Support Equipment

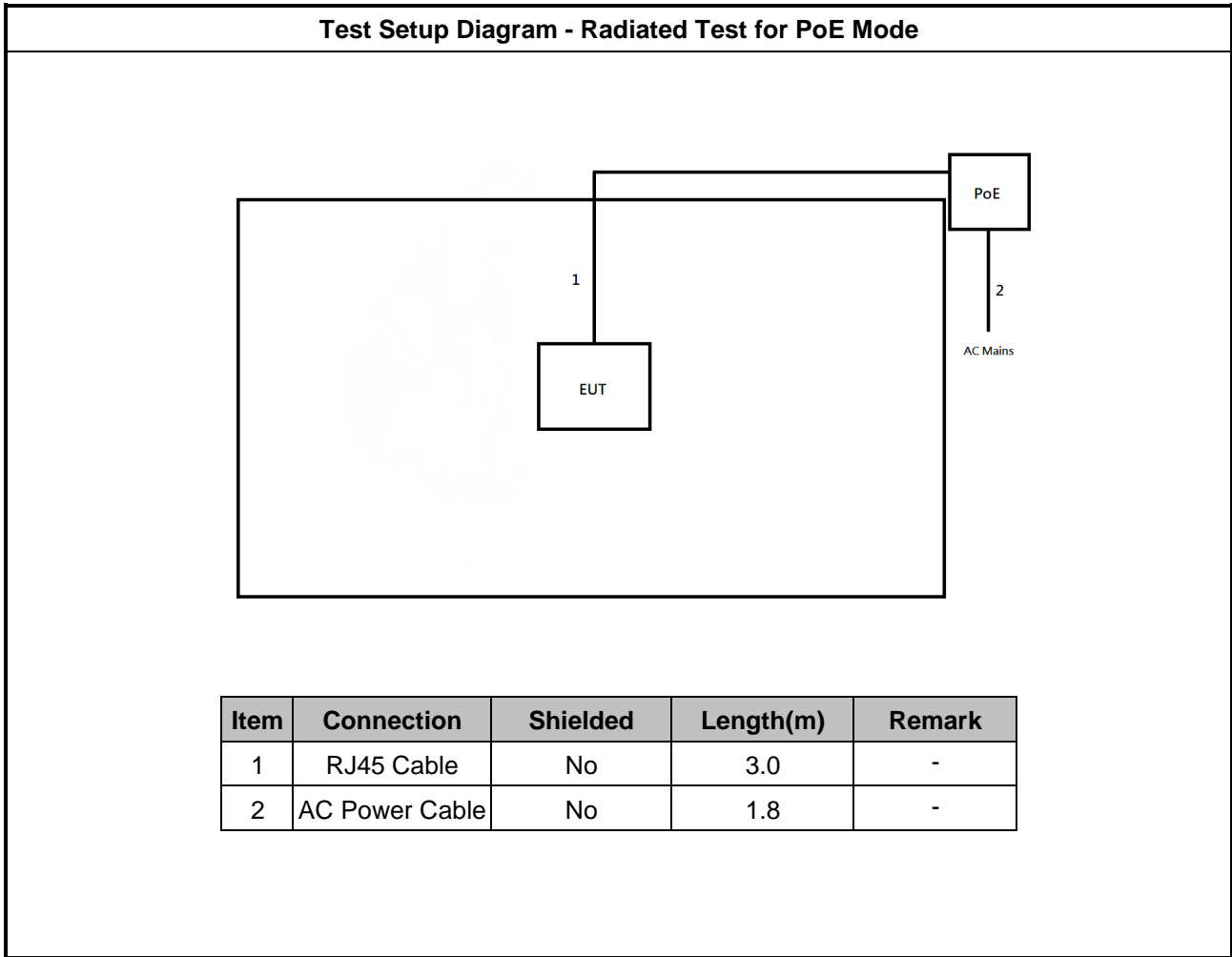
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power Cable	Power sync	PW-GPC180-3	-	-
2	PoE Adapter	CISCO	MA-INJ-4	-	Provided by Customer
3	RJ45 cable	Power sync	CAT-6E-03	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	Latitude 7290	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Micro USB	DUDAO	L7X	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 cable	Power sync	CAT-6E-03	-	-
2	PoE Adapter	CISCO	MA-INJ-4	-	Provided by Customer

2.4 Test Setup Diagram







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

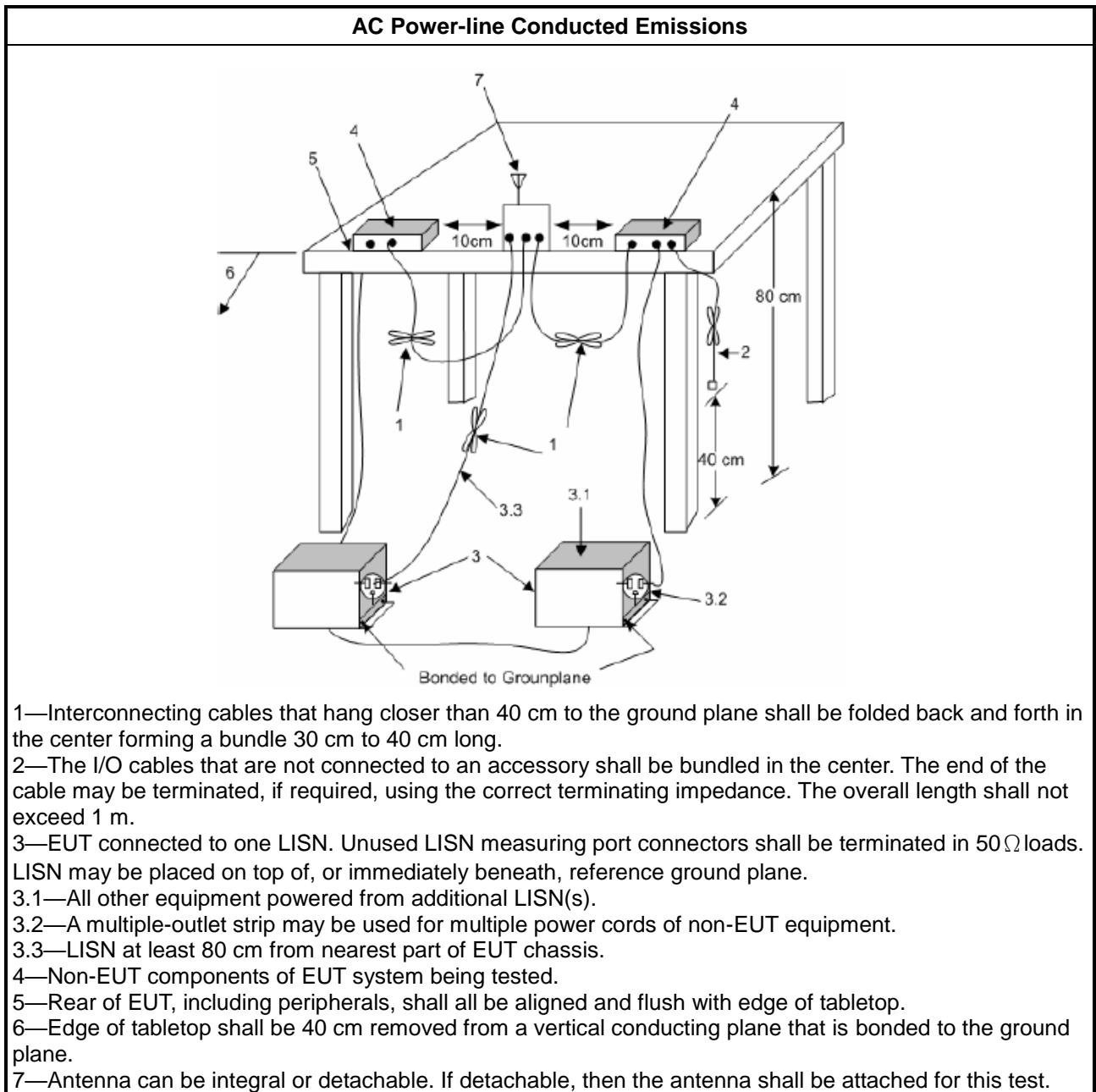
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 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	
<ul style="list-style-type: none"> 2400-2483.5 MHz Band: 	
	<ul style="list-style-type: none"> $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	<ul style="list-style-type: none"> $75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

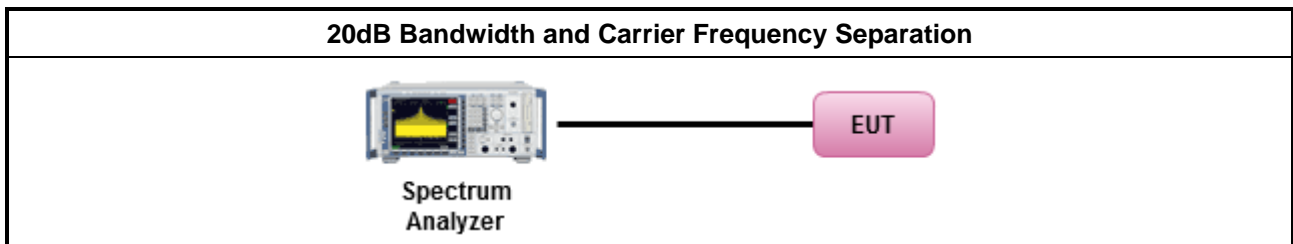
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 6.9.2 for 20 dB bandwidth measurement.
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 7.8.2 for carrier frequency separation measurement.

3.2.4 Test Setup



3.2.5 Test Result of 20dB Bandwidth

Refer as Appendix B

3.2.6 Test Result of Carrier Frequency Separation

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
<ul style="list-style-type: none"> 2400-2483.5 MHz Band: 	
	<ul style="list-style-type: none"> $N \geq 75$; Power 30dBm; EIRP 36dBm
	<ul style="list-style-type: none"> $75 > N \geq 15$; Power 21dBm; EIRP 27dBm
N: Number of Hopping Frequencies	

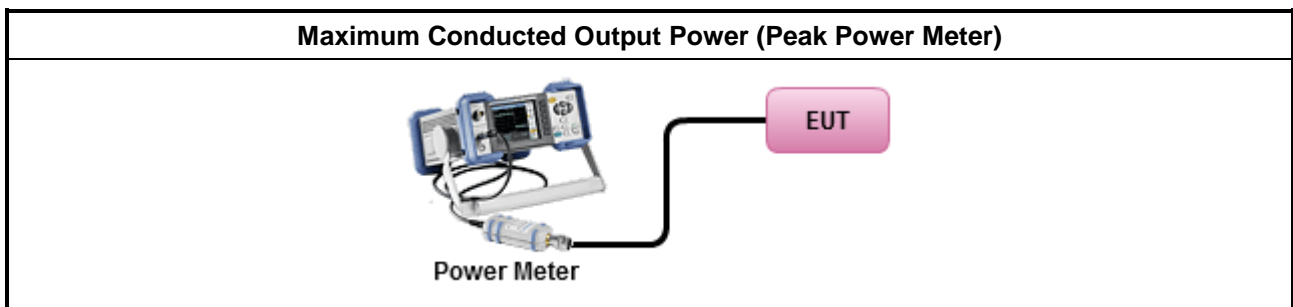
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



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	
<ul style="list-style-type: none"> 2400-2483.5 MHz Band: 	
	<ul style="list-style-type: none"> $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	<ul style="list-style-type: none"> $75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3,25 kHz).
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

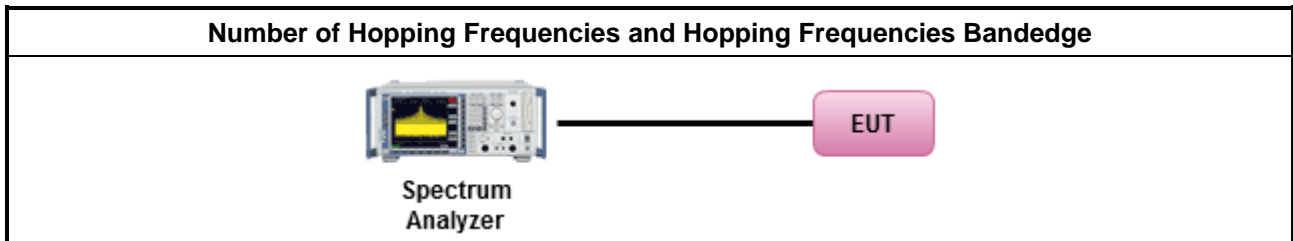
3.4.3 Measuring Instruments

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

3.4.4 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 7.8.3 for number of hopping frequencies measurement.
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 7.8.6 for hopping frequencies Bandedge measurement.

3.4.5 Test Setup



3.4.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

3.5 Time of Occupancy (Dwell Time)

3.5.1 Time of Occupancy (Dwell Time) Limit

Time of Occupancy (Dwell Time) Limit for Frequency Hopping Systems	
<ul style="list-style-type: none"> 2400-2483.5 MHz Band: 	
	<ul style="list-style-type: none"> $N \geq 75$; 0.4s in $N \times 0.4$ period
	<ul style="list-style-type: none"> $75 > N \geq 15$; 0.4s in $N \times 0.4$ period
N: Number of Hopping Frequencies	

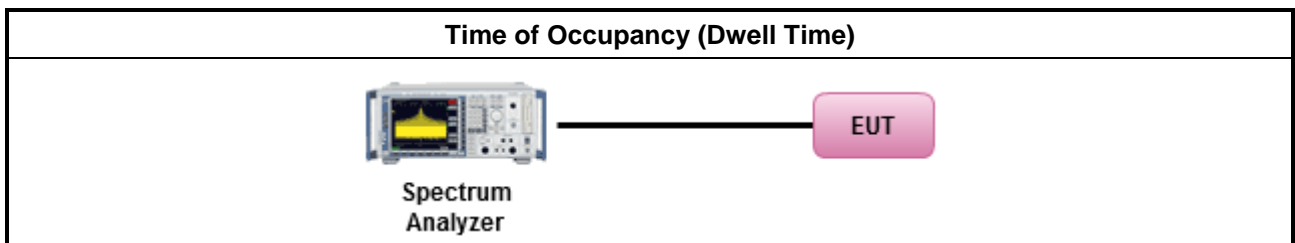
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 7.8.4 for dwell time measurement. 	
<ul style="list-style-type: none"> 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. 	
	<ul style="list-style-type: none"> 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 (dB)
Peak output power procedure	20
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.	

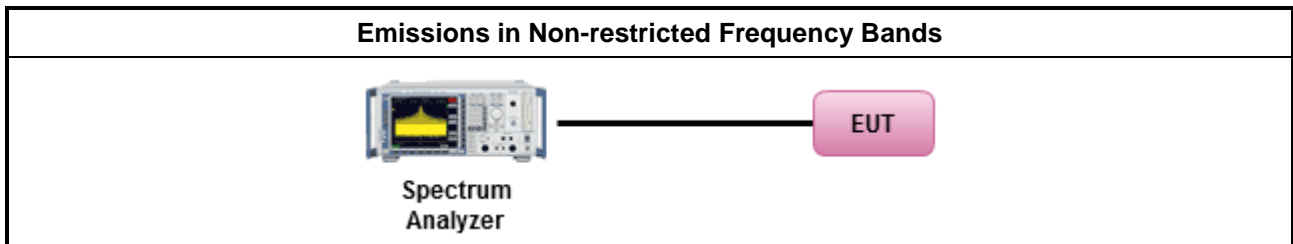
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, 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

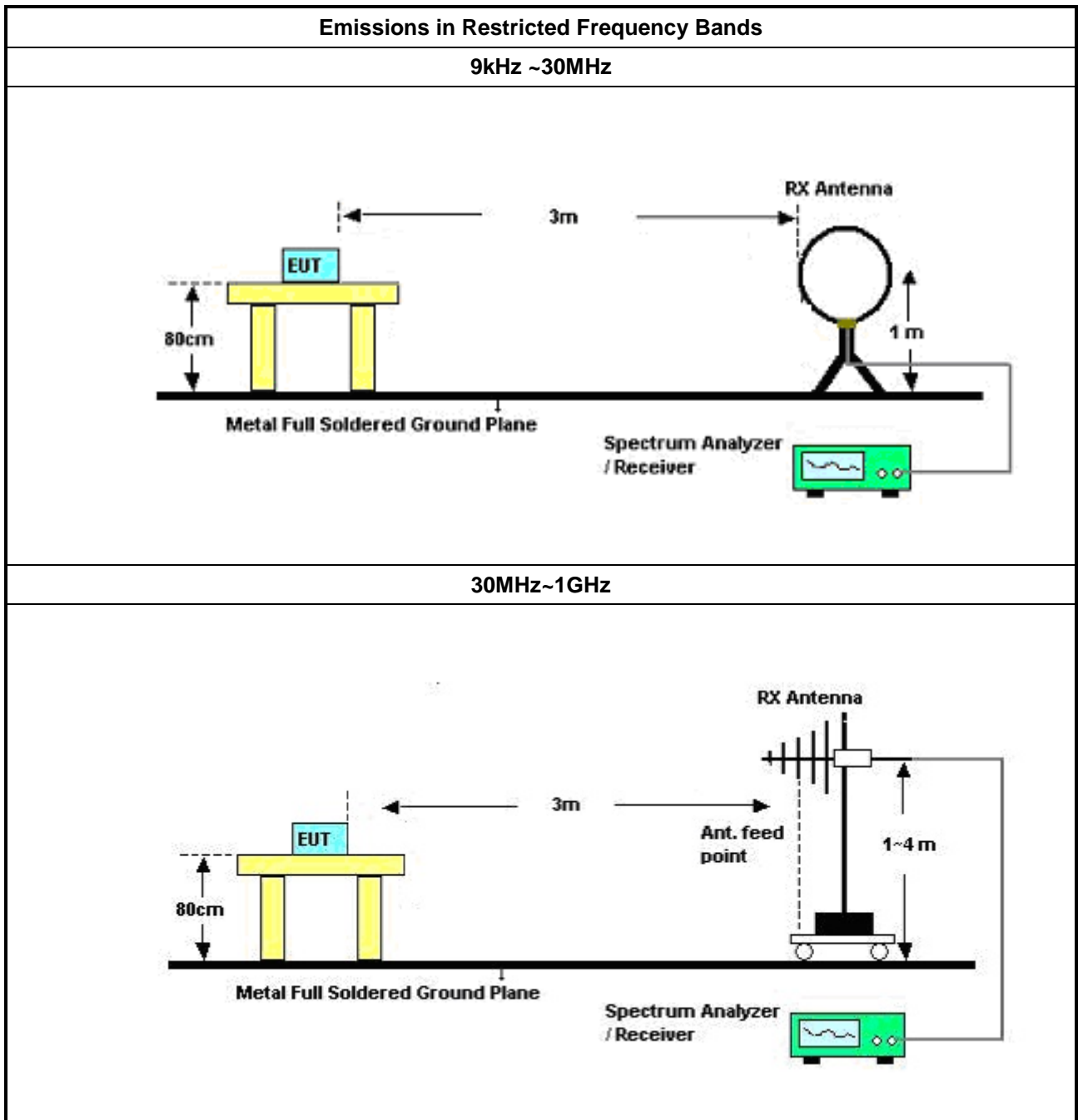
Test Method	
	<ul style="list-style-type: none"> The average emission levels shall be measured in [hopping duty factor].
	<ul style="list-style-type: none"> Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
	<ul style="list-style-type: none"> For the transmitter unwanted emissions shall be measured using following options below:
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.1 QP value.
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.
	<ul style="list-style-type: none"> KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
	<ul style="list-style-type: none"> Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	<ul style="list-style-type: none"> Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

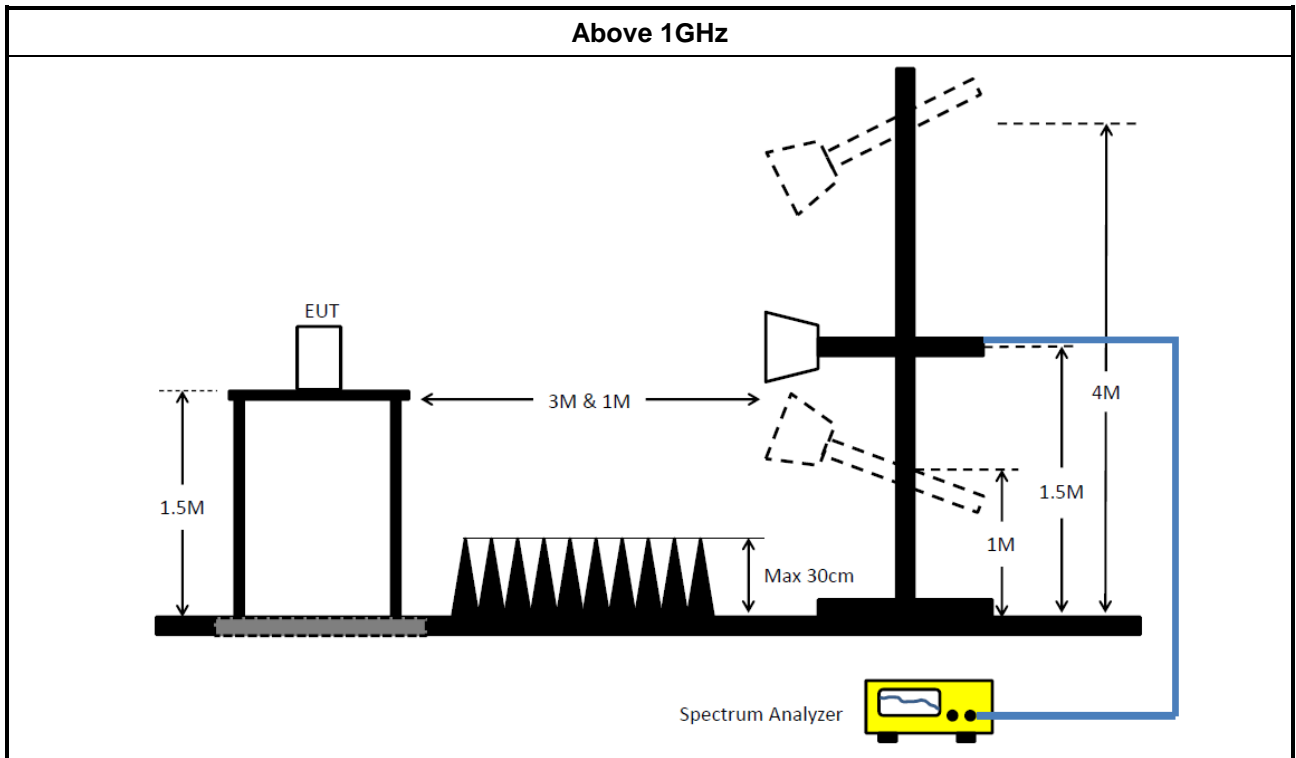
3.7.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

3.7.5 Test Setup





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

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

3.7.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	16/May/2023	15/May/2024
Two-Line V-Network	R&S	ENV 216	101295	9kHz ~ 30MHz	31/Jan/2023	30/Jan/2024
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	28/Feb/2023	27/Feb/2024
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	18/Oct/2023	17/Oct/2024
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	30/Oct/2023	29/Oct/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	29/Mar/2023	28/Mar/2024
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	29/Mar/2023	28/Mar/2024
SENSE-15247_FS	Sporton	V5.11.15	N/A	N/A	01/Oct/2022	02/Nov/2025



Instrument for Radiated Test (03CH24-HY)

Table with 7 columns: Instrument, Manufacturer /Brand, Model No., Serial No., Spec., Calibration Date, Calibration Due Date. Lists various instruments like 3m Semi Anechoic Chamber, EMI Test Receiver, Signal Analyzer, etc.

Instrument for Radiated Test (Co-location)

Table with 7 columns: Instrument, Manufacturer /Brand, Model No., Serial No., Spec., Calibration Date, Calibration Due Date. Lists instruments like 3m Semi Anechoic Chamber, Signal Analyzer, Double Ridged Guide Horn Antenna, etc.



Summary

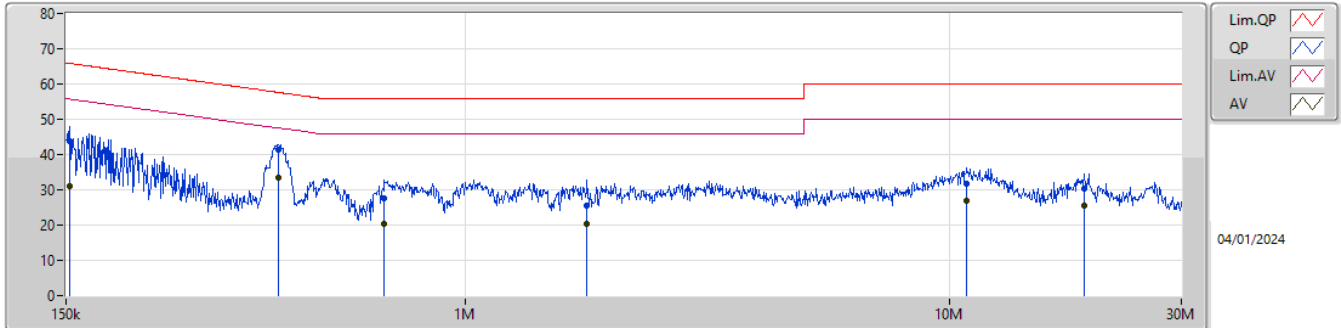
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	411.832k	33.43	47.61	-14.18	Line



Result

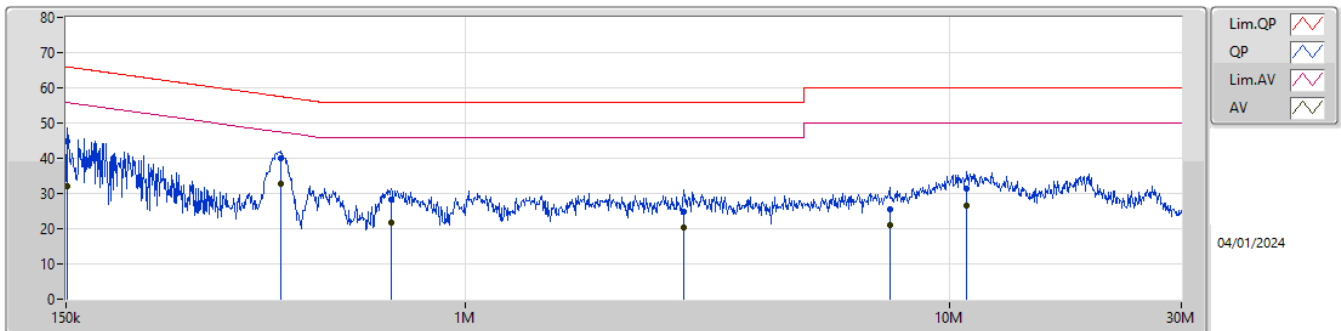
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	153.024k	43.91	65.83	-21.92	Line
Mode 1	Pass	AV	153.024k	31.11	55.83	-24.72	Line
Mode 1	Pass	QP	411.832k	41.21	57.61	-16.40	Line
Mode 1	Pass	AV	411.832k	33.43	47.61	-14.18	Line
Mode 1	Pass	QP	681.033k	27.60	56.00	-28.40	Line
Mode 1	Pass	AV	681.033k	20.27	46.00	-25.73	Line
Mode 1	Pass	QP	1.782M	25.64	56.00	-30.36	Line
Mode 1	Pass	AV	1.782M	20.22	46.00	-25.78	Line
Mode 1	Pass	QP	10.83M	31.61	60.00	-28.39	Line
Mode 1	Pass	AV	10.83M	26.99	50.00	-23.01	Line
Mode 1	Pass	QP	18.863M	30.31	60.00	-29.69	Line
Mode 1	Pass	AV	18.863M	25.41	50.00	-24.59	Line
Mode 1	Pass	QP	150.6k	44.95	65.96	-21.01	Neutral
Mode 1	Pass	AV	150.6k	32.08	55.96	-23.88	Neutral
Mode 1	Pass	QP	416.794k	40.07	57.51	-17.44	Neutral
Mode 1	Pass	AV	416.794k	32.81	47.51	-14.70	Neutral
Mode 1	Pass	QP	703.134k	28.18	56.00	-27.82	Neutral
Mode 1	Pass	AV	703.134k	21.71	46.00	-24.29	Neutral
Mode 1	Pass	QP	2.821M	24.96	56.00	-31.04	Neutral
Mode 1	Pass	AV	2.821M	20.41	46.00	-25.59	Neutral
Mode 1	Pass	QP	7.501M	25.64	60.00	-34.36	Neutral
Mode 1	Pass	AV	7.501M	20.87	50.00	-29.13	Neutral
Mode 1	Pass	QP	10.83M	31.37	60.00	-28.63	Neutral
Mode 1	Pass	AV	10.83M	26.45	50.00	-23.55	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	153.024k	43.91	65.83	-21.92	19.37	Line	-	24.54	9.59	0.03	9.75
AV	153.024k	31.11	55.83	-24.72	19.37	Line	-	11.74	9.59	0.03	9.75
QP	411.832k	41.21	57.61	-16.40	19.40	Line	-	21.81	9.60	0.04	9.76
AV	411.832k	33.43	47.61	-14.18	19.40	Line	-	14.03	9.60	0.04	9.76
QP	681.033k	27.60	56.00	-28.40	19.44	Line	-	8.16	9.61	0.05	9.78
AV	681.033k	20.27	46.00	-25.73	19.44	Line	-	0.83	9.61	0.05	9.78
QP	1.782M	25.64	56.00	-30.36	19.52	Line	-	6.12	9.64	0.08	9.80
AV	1.782M	20.22	46.00	-25.78	19.52	Line	-	0.70	9.64	0.08	9.80
QP	10.83M	31.61	60.00	-28.39	19.71	Line	-	11.90	9.72	0.19	9.80
AV	10.83M	26.99	50.00	-23.01	19.71	Line	-	7.28	9.72	0.19	9.80
QP	18.863M	30.31	60.00	-29.69	19.77	Line	-	10.54	9.68	0.26	9.83
AV	18.863M	25.41	50.00	-24.59	19.77	Line	-	5.64	9.68	0.26	9.83

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	150.6k	44.95	65.96	-21.01	19.39	Neutral	-	25.56	9.60	0.03	9.76
AV	150.6k	32.08	55.96	-23.88	19.39	Neutral	-	12.69	9.60	0.03	9.76
QP	416.794k	40.07	57.51	-17.44	19.40	Neutral	-	20.67	9.60	0.04	9.76
AV	416.794k	32.81	47.51	-14.70	19.40	Neutral	-	13.41	9.60	0.04	9.76
QP	703.134k	28.18	56.00	-27.82	19.44	Neutral	-	8.74	9.61	0.05	9.78
AV	703.134k	21.71	46.00	-24.29	19.44	Neutral	-	2.27	9.61	0.05	9.78
QP	2.821M	24.96	56.00	-31.04	19.53	Neutral	-	5.43	9.63	0.10	9.80
AV	2.821M	20.41	46.00	-25.59	19.53	Neutral	-	0.88	9.63	0.10	9.80
QP	7.501M	25.64	60.00	-34.36	19.63	Neutral	-	6.01	9.68	0.16	9.79
AV	7.501M	20.87	50.00	-29.13	19.63	Neutral	-	1.24	9.68	0.16	9.79
QP	10.83M	31.37	60.00	-28.63	19.69	Neutral	-	11.68	9.70	0.19	9.80
AV	10.83M	26.45	50.00	-23.55	19.69	Neutral	-	6.76	9.70	0.19	9.80



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	857.071k	857KF1D	863.5k	819.59k
BT-EDR(2Mbps)	1.339M	1.209M	1M21G1D	1.32M	1.184M
BT-EDR(3Mbps)	1.345M	1.212M	1M21G1D	1.334M	1.201M

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	921.25k	819.59k
2440MHz	Pass	Inf	863.5k	844.578k
2480MHz	Pass	Inf	921.25k	857.071k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.339M	1.209M
2440MHz	Pass	Inf	1.32M	1.184M
2480MHz	Pass	Inf	1.32M	1.194M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.345M	1.202M
2440MHz	Pass	Inf	1.334M	1.201M
2480MHz	Pass	Inf	1.342M	1.212M

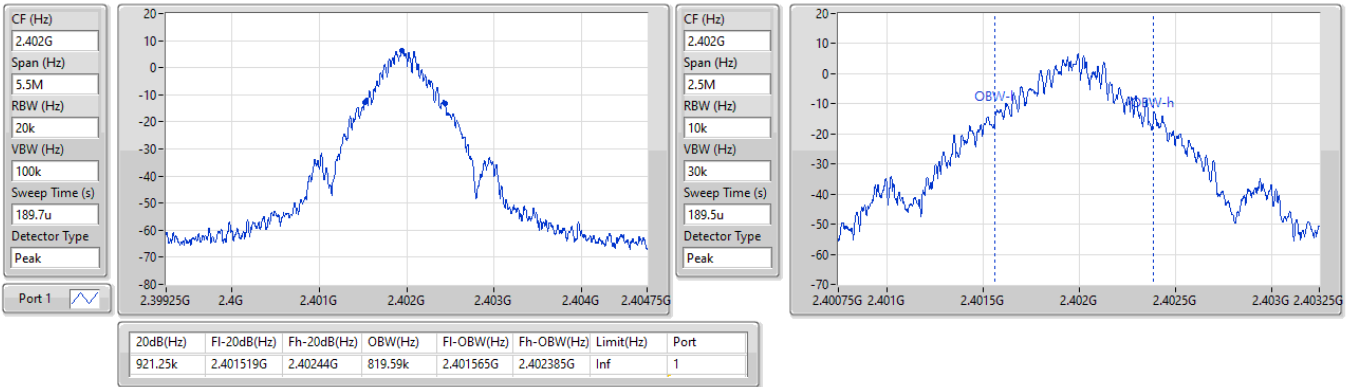
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-BR(1Mbps)

EBW-FS

2402MHz

05/12/2023

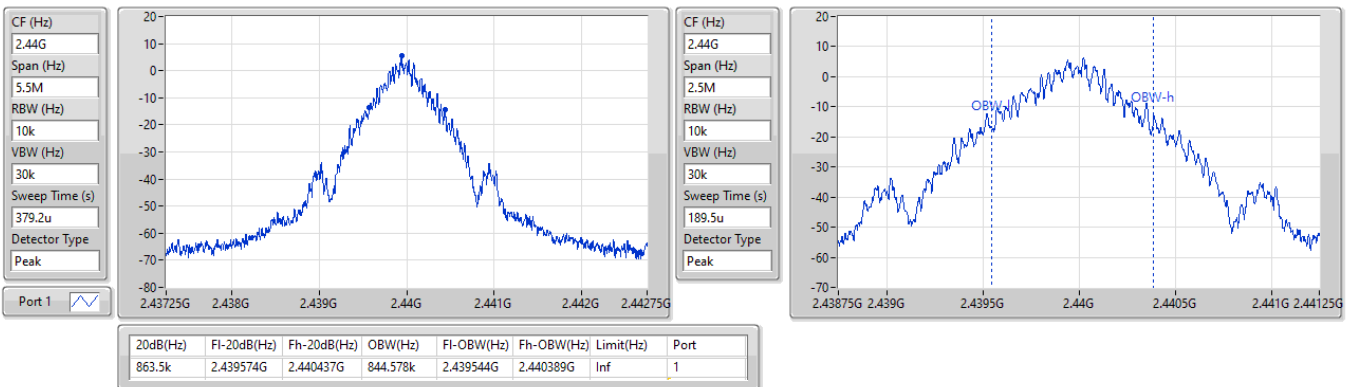


2.4-2.4835GHz_BT-BR(1Mbps)

EBW-FS

2440MHz

05/12/2023

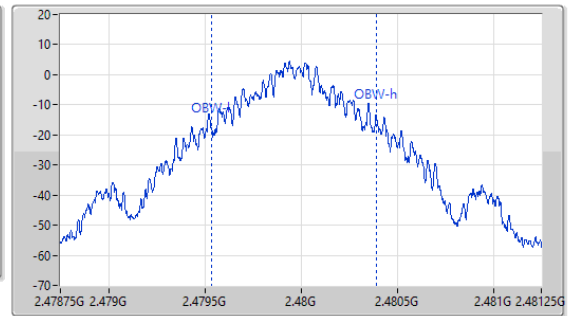
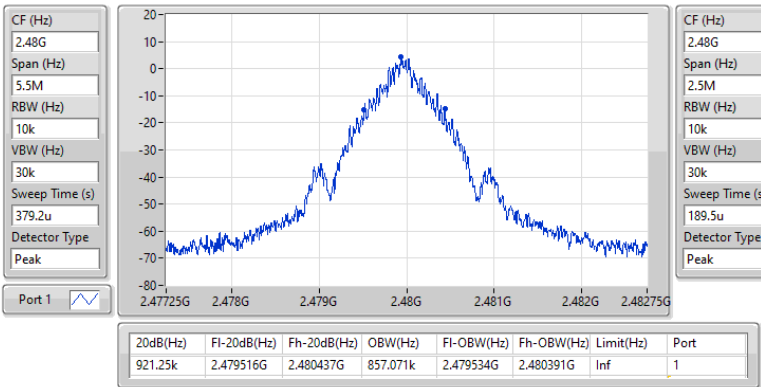


2.4-2.4835GHz_BT-BR(1Mbps)

EBW-FS

2480MHz

05/12/2023

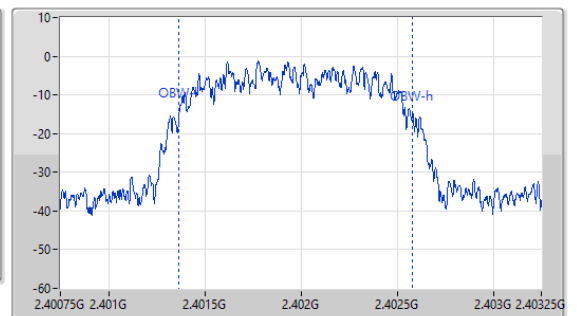
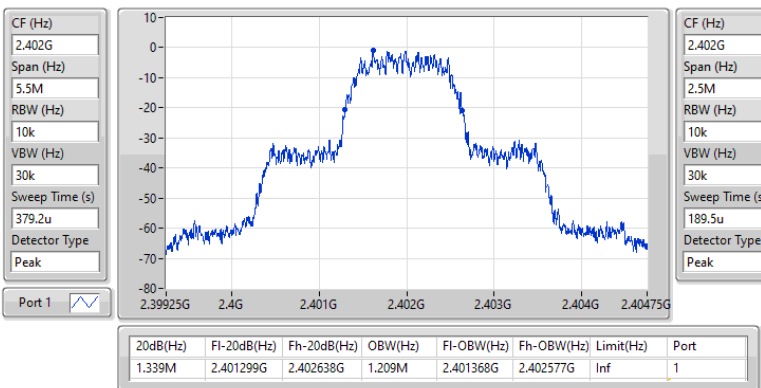


2.4-2.4835GHz_BT-EDR(2Mbps)

EBW-FS

2402MHz

05/12/2023

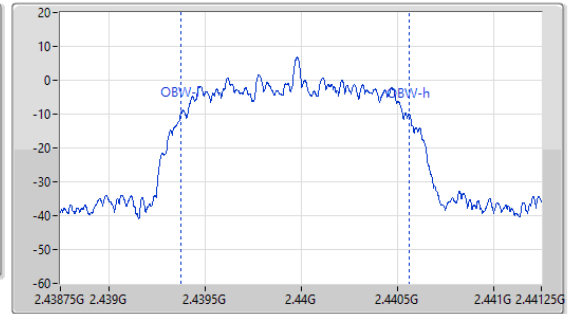
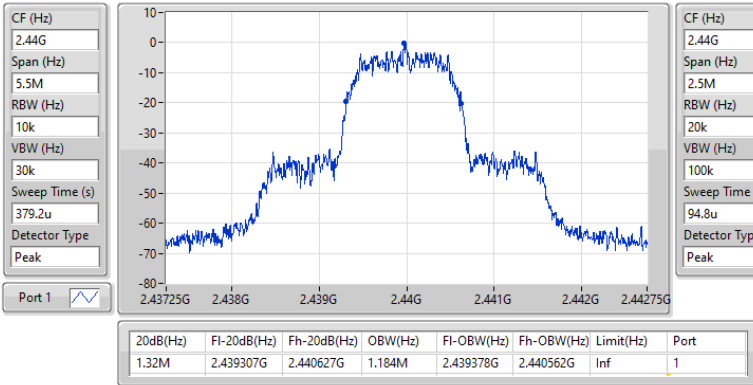


2.4-2.4835GHz_BT-EDR(2Mbps)

EBW-FS

2440MHz

05/12/2023

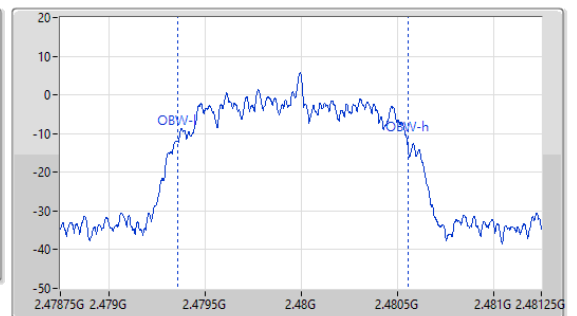
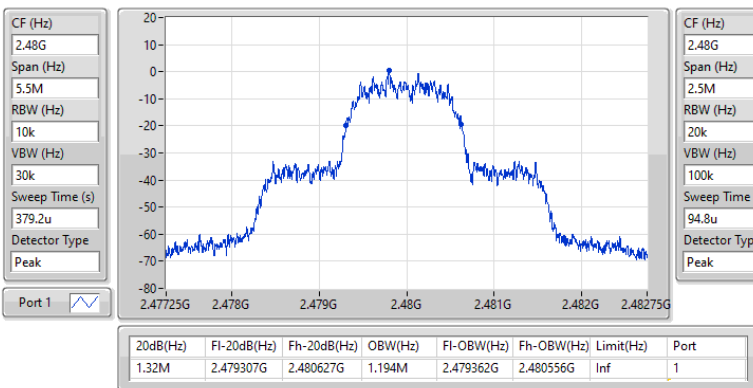


2.4-2.4835GHz_BT-EDR(2Mbps)

EBW-FS

2480MHz

05/12/2023

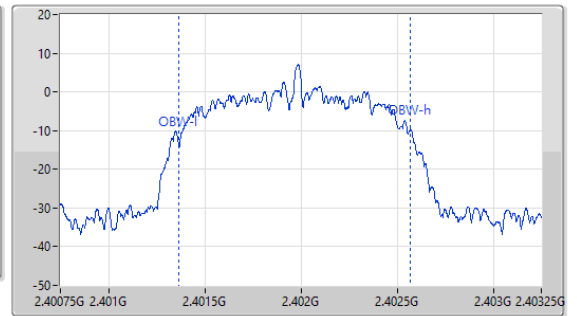
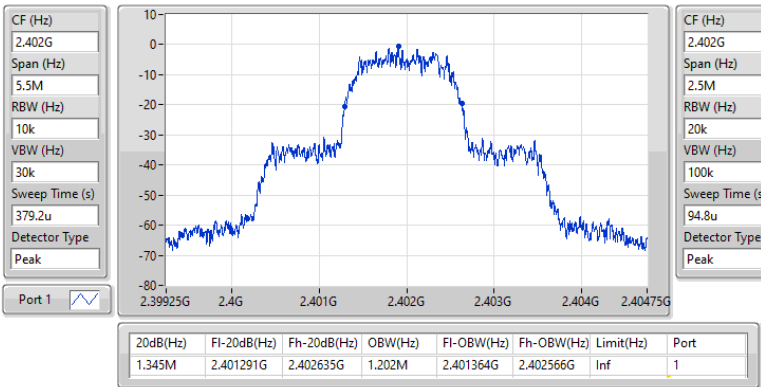


2.4-2.4835GHz_BT-EDR(3Mbps)

EBW-FS

2402MHz

05/12/2023

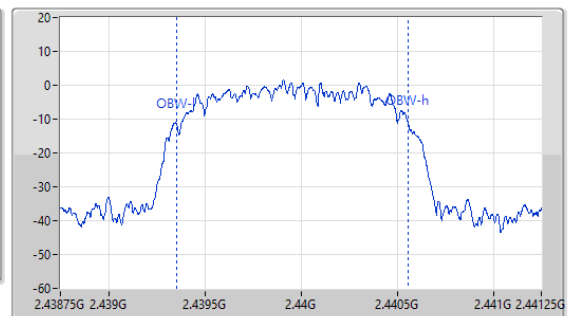
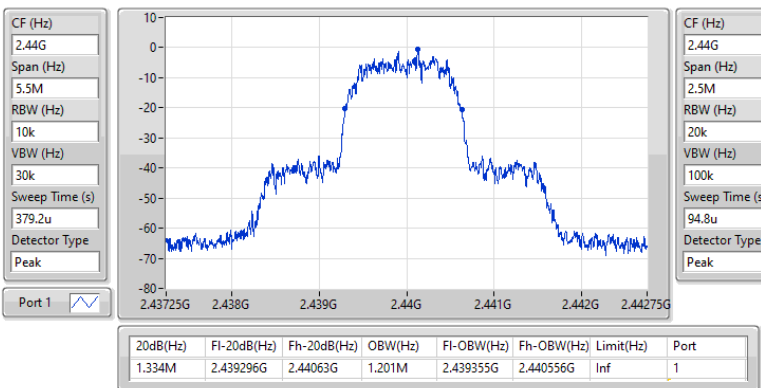


2.4-2.4835GHz_BT-EDR(3Mbps)

EBW-FS

2440MHz

05/12/2023

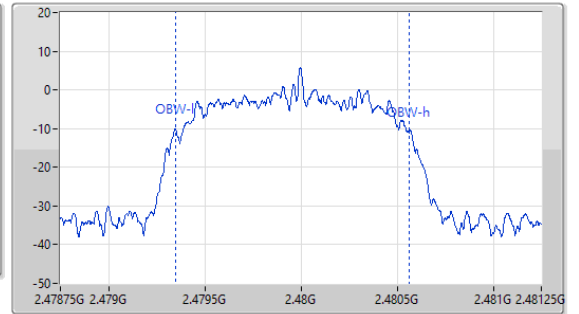
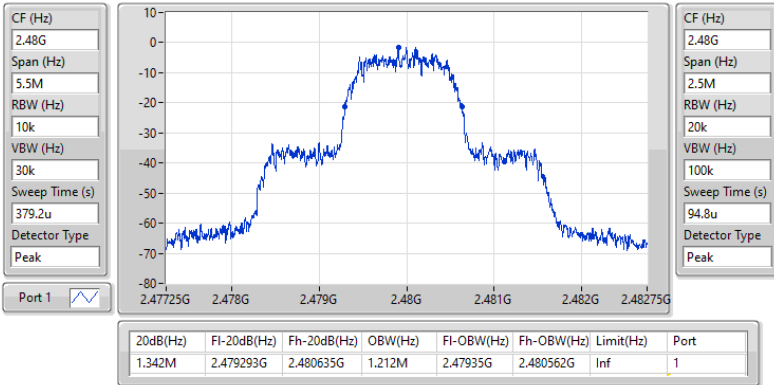


2.4-2.4835GHz_BT-EDR(3Mbps)

EBW-FS

2480MHz

05/12/2023





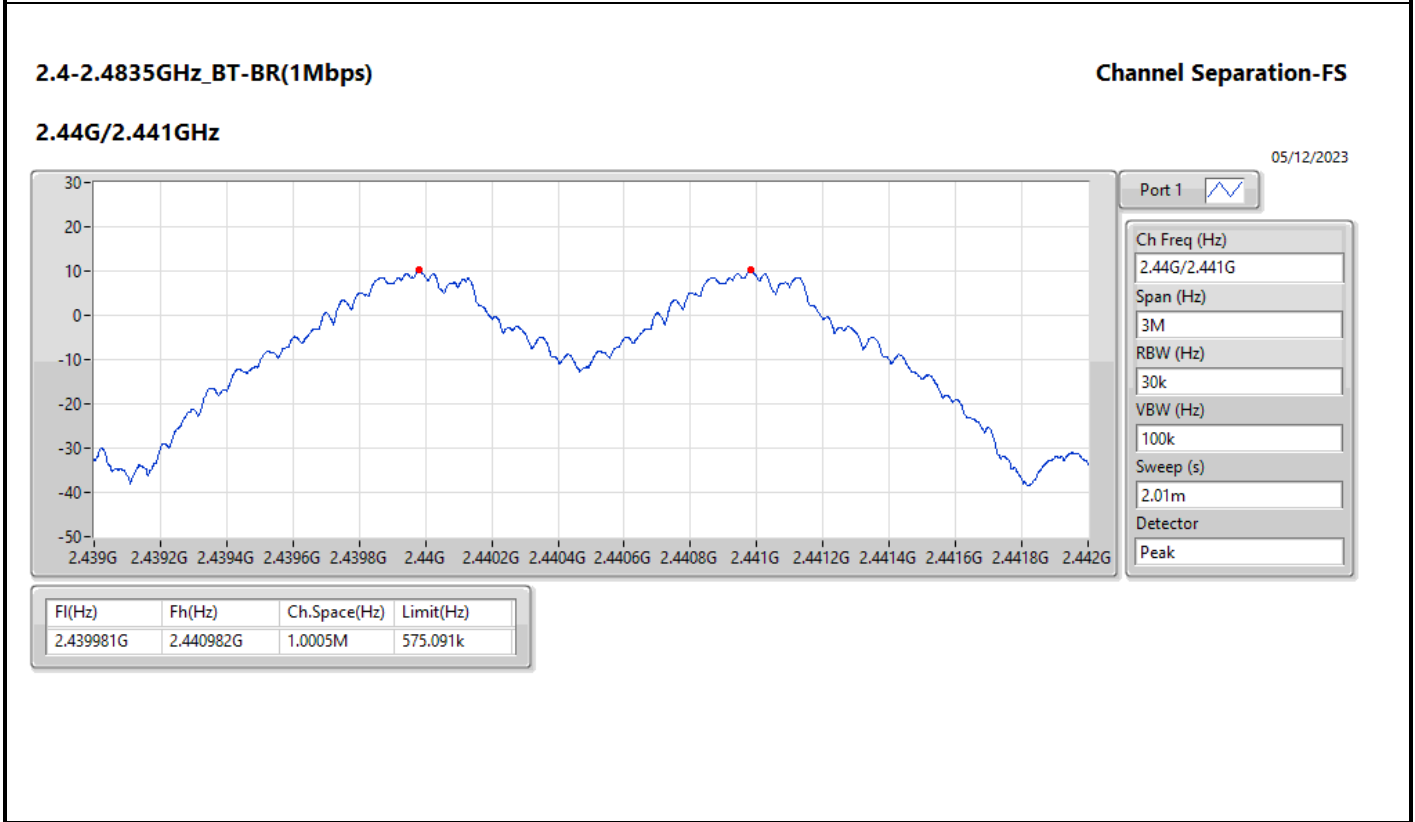
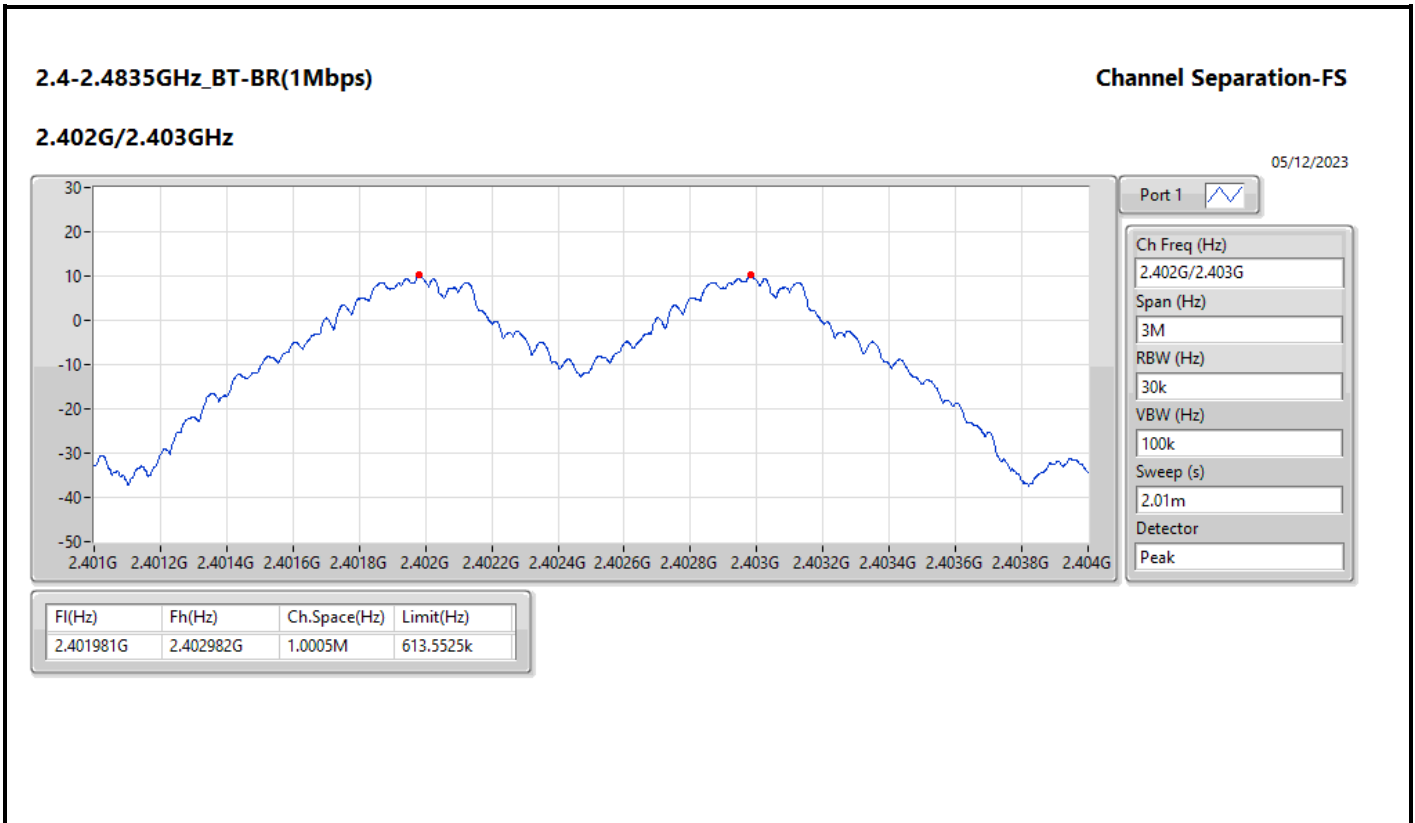
Summary

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



Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.401981G	2.402982G	1.0005M	613.5525k
2440MHz	Pass	2.439981G	2.440982G	1.0005M	575.091k
2480MHz	Pass	2.47898G	2.47998G	1.0005M	613.5525k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.401981G	2.402982G	1.0005M	891.774k
2440MHz	Pass	2.439981G	2.440982G	1.0005M	879.12k
2480MHz	Pass	2.478981G	2.47998G	999k	879.12k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.401981G	2.402982G	1.0005M	895.77k
2440MHz	Pass	2.439981G	2.440982G	1.0005M	888.444k
2480MHz	Pass	2.47898G	2.47998G	1.0005M	893.772k



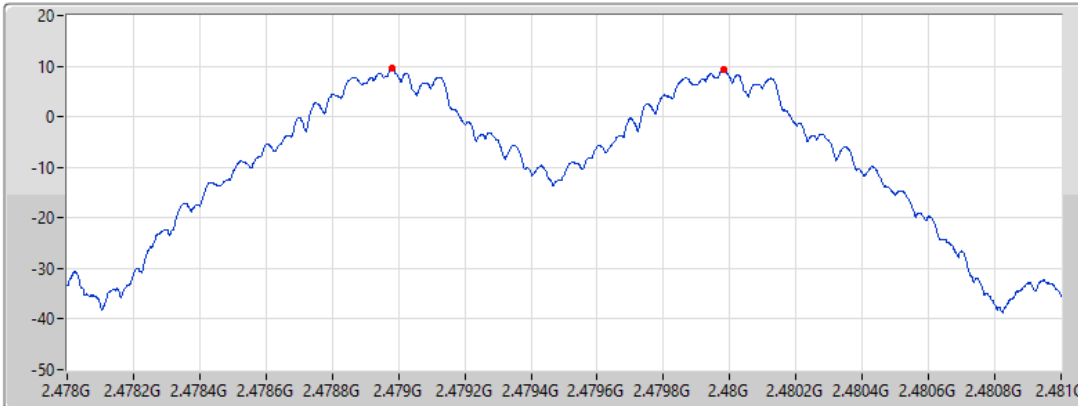


2.4-2.4835GHz_BT-BR(1Mbps)

Channel Separation-FS

2.48G/2.479GHz

05/12/2023



Port 1

Ch Freq (Hz)
2.48G/2.479G

Span (Hz)
3M

RBW (Hz)
30k

VBW (Hz)
100k

Sweep (s)
2.01m

Detector
Peak

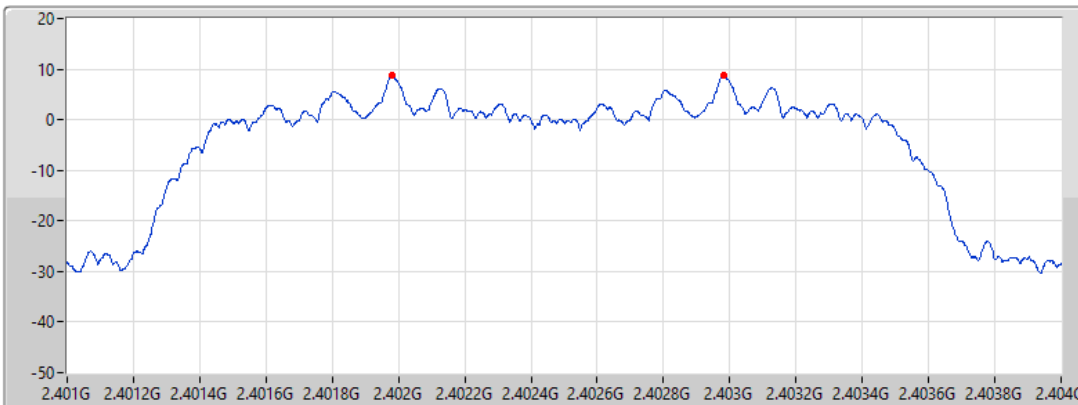
Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.47898G	2.47998G	1.0005M	613.5525k

2.4-2.4835GHz_BT-EDR(2Mbps)

Channel Separation-FS

2.402G/2.403GHz

05/12/2023



Port 1

Ch Freq (Hz)
2.402G/2.403G

Span (Hz)
3M

RBW (Hz)
30k

VBW (Hz)
100k

Sweep (s)
2.01m

Detector
Peak

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.401981G	2.402982G	1.0005M	891.774k

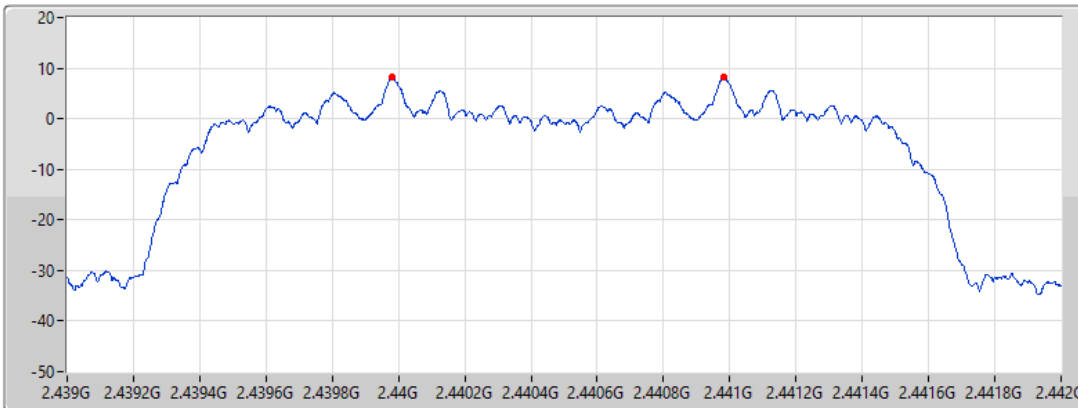


2.4-2.4835GHz_BT-EDR(2Mbps)

Channel Separation-FS

2.44G/2.441GHz

05/12/2023



Port 1

Ch Freq (Hz)	2.44G/2.441G
Span (Hz)	3M
RBW (Hz)	30k
VBW (Hz)	100k
Sweep (s)	2.01m
Detector	Peak

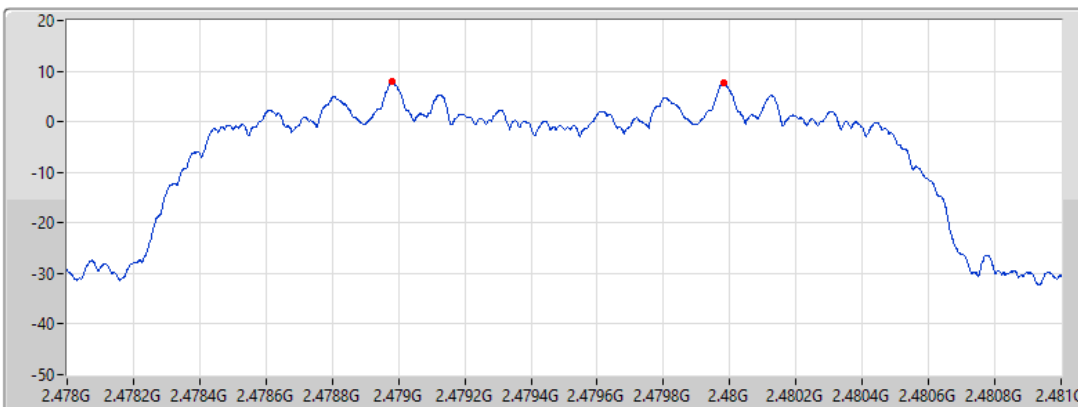
Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.439981G	2.440982G	1.0005M	879.12k

2.4-2.4835GHz_BT-EDR(2Mbps)

Channel Separation-FS

2.48G/2.479GHz

05/12/2023



Port 1

Ch Freq (Hz)	2.48G/2.479G
Span (Hz)	3M
RBW (Hz)	30k
VBW (Hz)	100k
Sweep (s)	2.01m
Detector	Peak

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.478981G	2.47998G	999k	879.12k

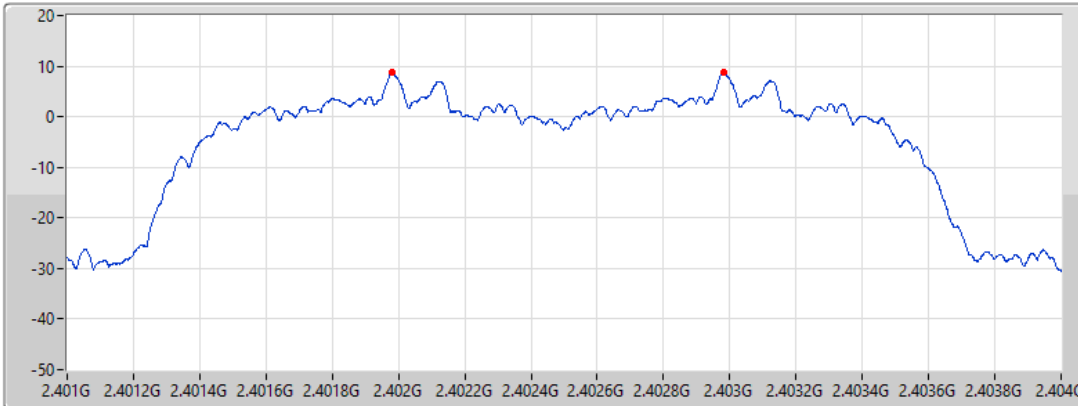


2.4-2.4835GHz_BT-EDR(3Mbps)

Channel Separation-FS

2.402G/2.403GHz

05/12/2023



Port 1

Ch Freq (Hz)
2.402G/2.403G

Span (Hz)
3M

RBW (Hz)
30k

VBW (Hz)
100k

Sweep (s)
2.01m

Detector
Peak

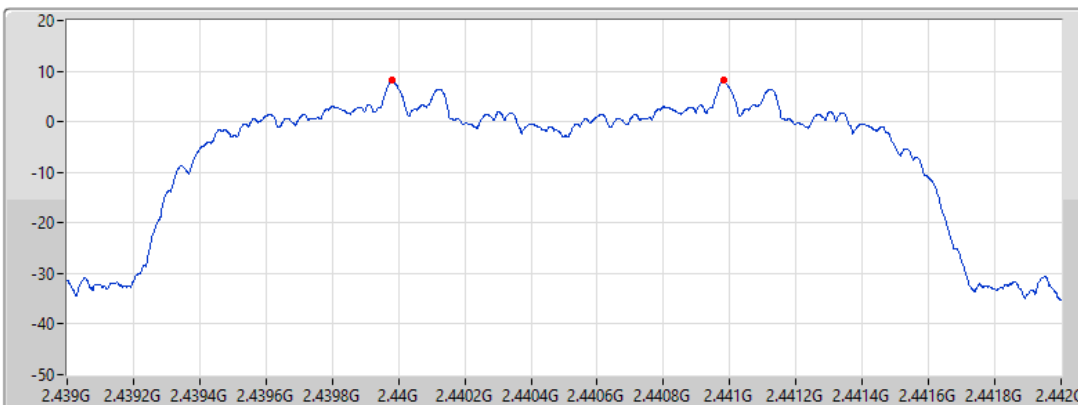
Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.401981G	2.402982G	1.0005M	895.77k

2.4-2.4835GHz_BT-EDR(3Mbps)

Channel Separation-FS

2.44G/2.441GHz

05/12/2023



Port 1

Ch Freq (Hz)
2.44G/2.441G

Span (Hz)
3M

RBW (Hz)
30k

VBW (Hz)
100k

Sweep (s)
2.01m

Detector
Peak

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.439981G	2.440982G	1.0005M	888.444k

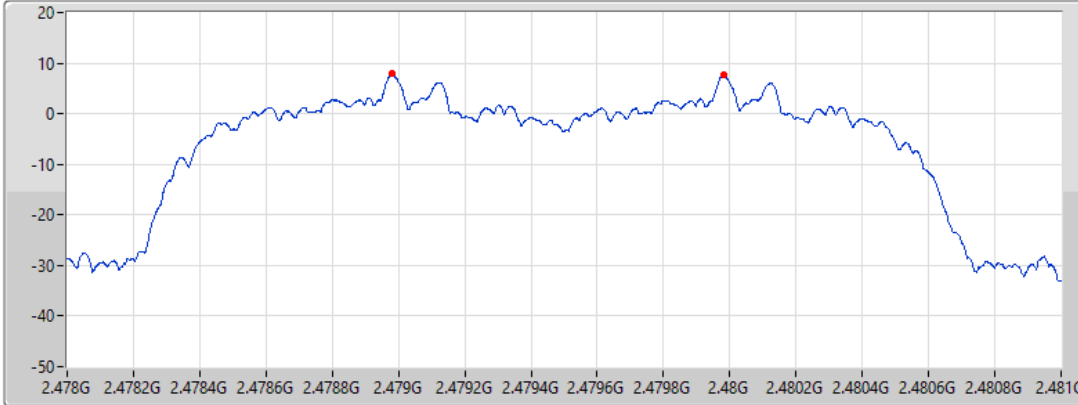


2.4-2.4835GHz_BT-EDR(3Mbps)

Channel Separation-FS

2.48G/2.479GHz

05/12/2023



Port 1

Ch Freq (Hz)
2.48G/2.479G

Span (Hz)
3M

RBW (Hz)
30k

VBW (Hz)
100k

Sweep (s)
2.01m

Detector
Peak

Ff(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.47898G	2.47998G	1.0005M	893.772k



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	12.35	0.01718
BT-EDR(2Mbps)	11.93	0.01560
BT-EDR(3Mbps)	12.09	0.01618



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	1.72	12.35	21.00
2440MHz	Pass	1.72	12.26	21.00
2480MHz	Pass	1.72	11.57	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	1.72	11.93	21.00
2440MHz	Pass	1.72	11.70	21.00
2480MHz	Pass	1.72	11.10	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	1.72	12.09	21.00
2440MHz	Pass	1.72	11.95	21.00
2480MHz	Pass	1.72	11.28	21.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	12.07	0.01611
BT-EDR(2Mbps)	10.07	0.01016
BT-EDR(3Mbps)	10.07	0.01016



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	1.72	12.07	21.00
2440MHz	Pass	1.72	11.98	21.00
2480MHz	Pass	1.72	11.25	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	1.72	10.07	21.00
2440MHz	Pass	1.72	9.44	21.00
2480MHz	Pass	1.72	9.16	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	1.72	10.07	21.00
2440MHz	Pass	1.72	9.43	21.00
2480MHz	Pass	1.72	9.16	21.00

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



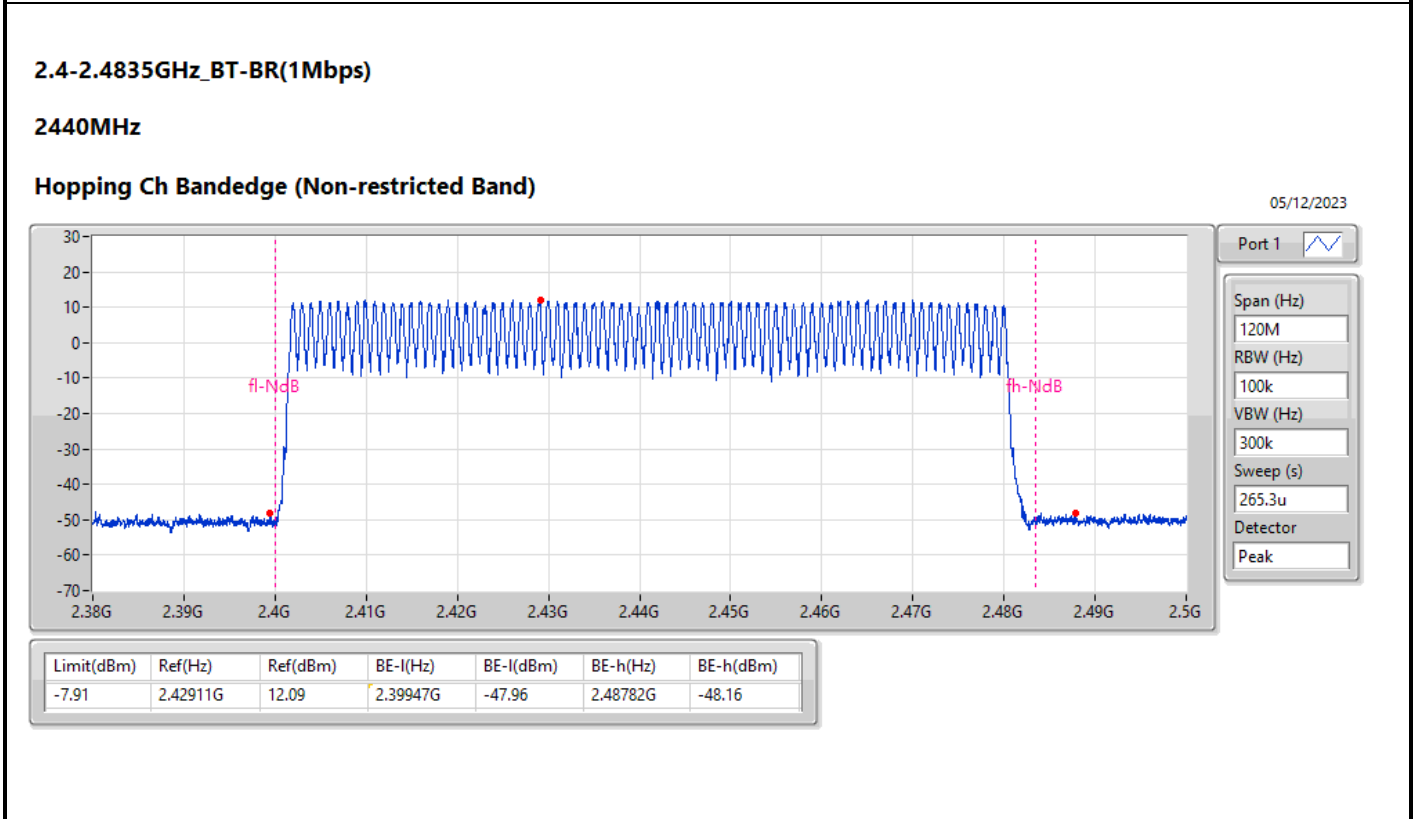
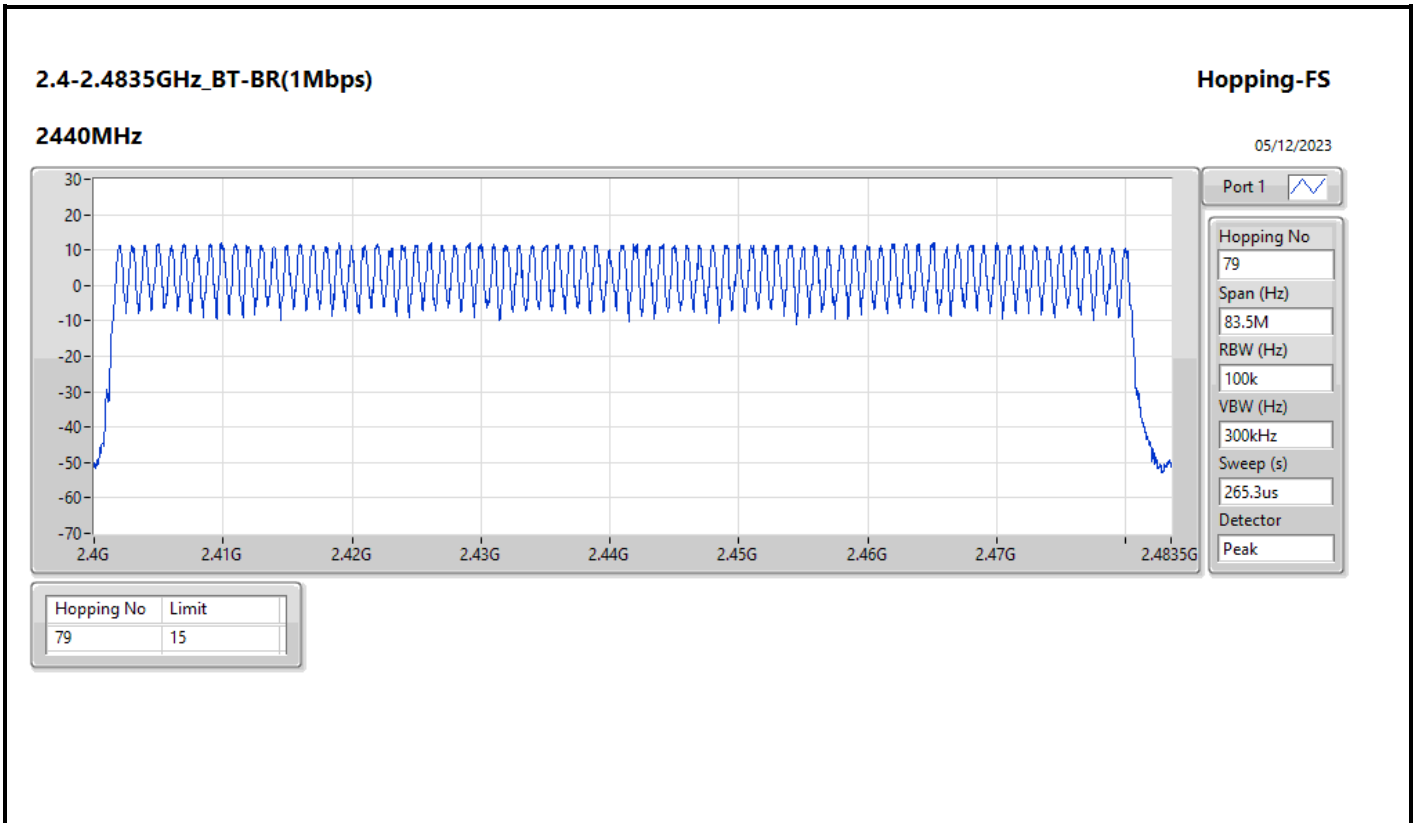
Summary

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



Result

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

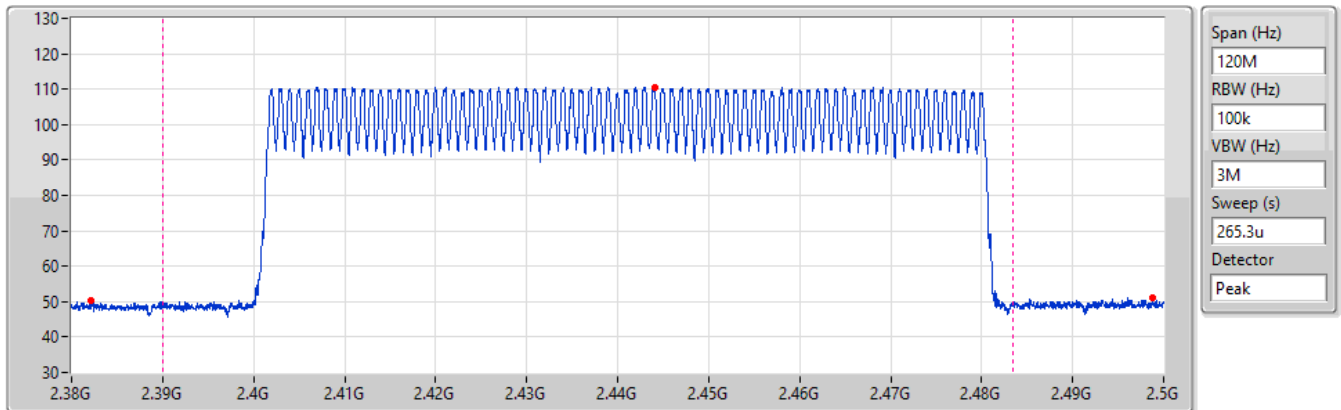


2.4-2.4835GHz_BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

05/12/2023



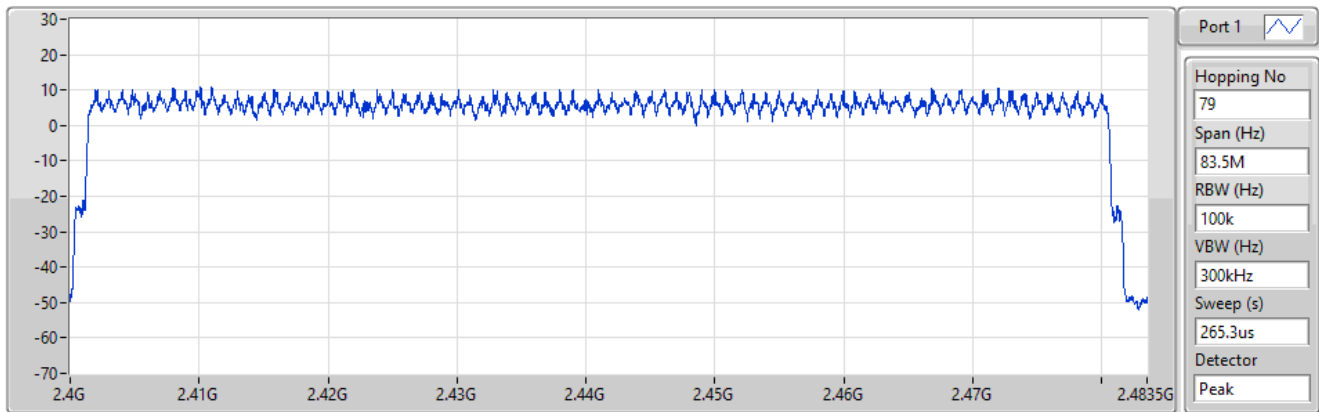
Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.444125G	110.57	2.382145G	50.13	20.03	2.49877G	51.04	20.94	74	54	3.125	-30.1

2.4-2.4835GHz_BT-EDR(2Mbps)

2440MHz

Hopping-FS

05/12/2023



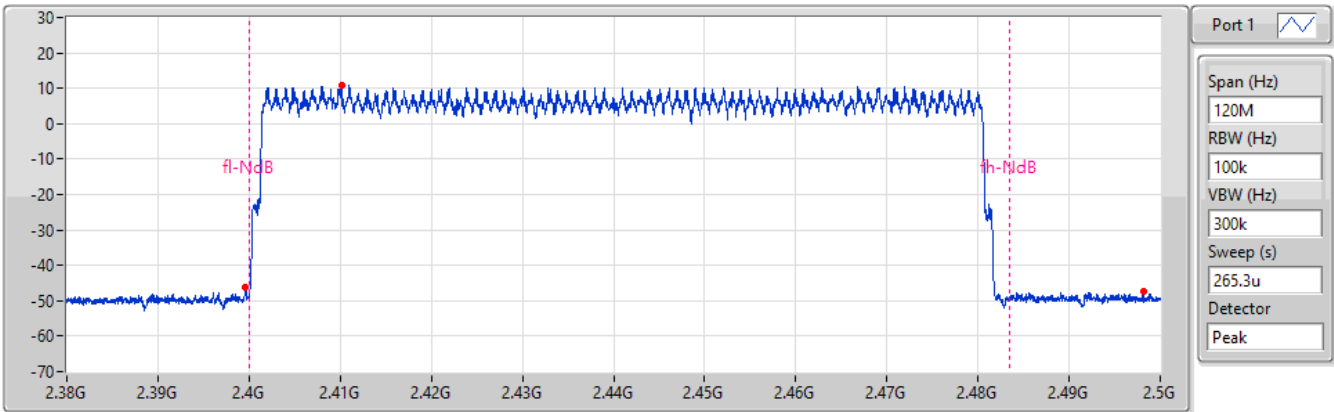
Hopping No	Limit
79	15

2.4-2.4835GHz_BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

05/12/2023



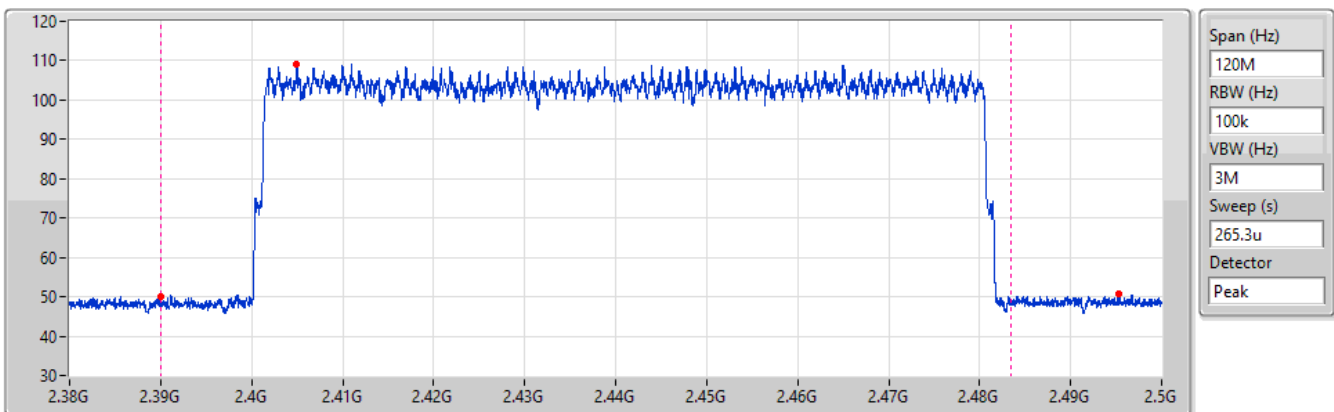
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-9.27	2.41012G	10.73	2.399605G	-46.27	2.498125G	-47.51

2.4-2.4835GHz_BT-EDR(2Mbps)

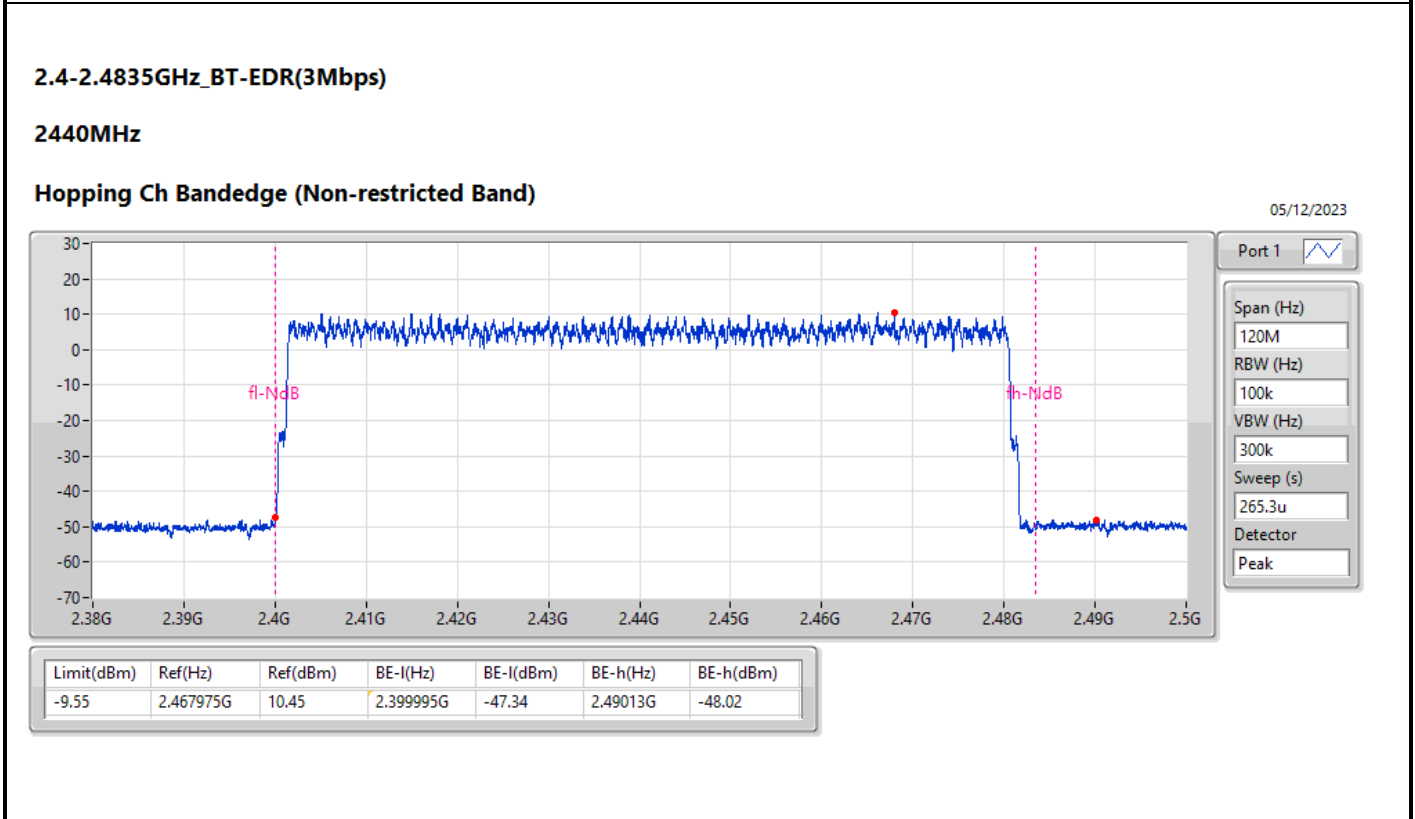
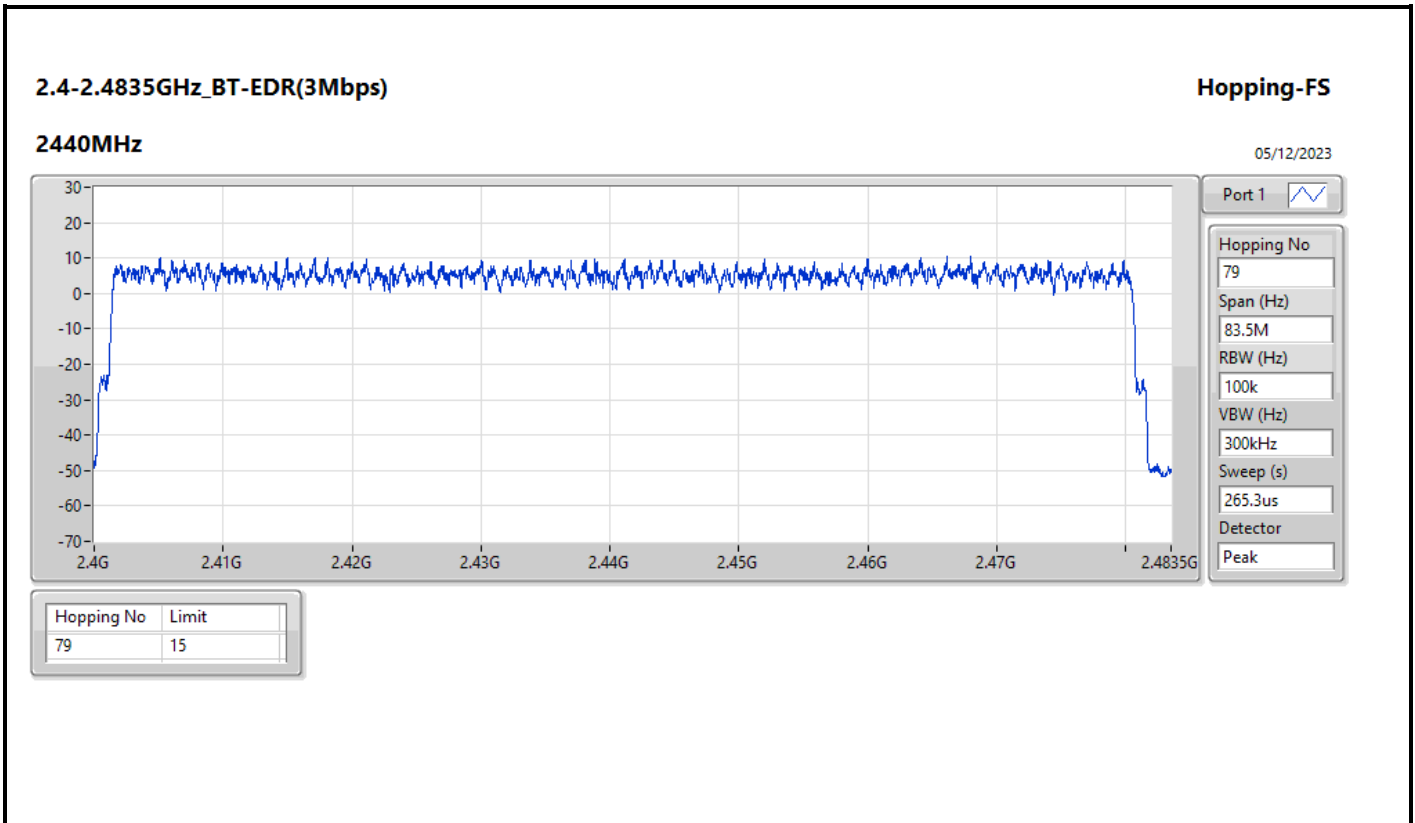
2440MHz

Hopping Ch Bandedge (Restricted Band)

05/12/2023



Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.404975G	109.2	2.38996G	50.09	19.99	2.495245G	50.85	20.75	74	54	3.125	-30.1



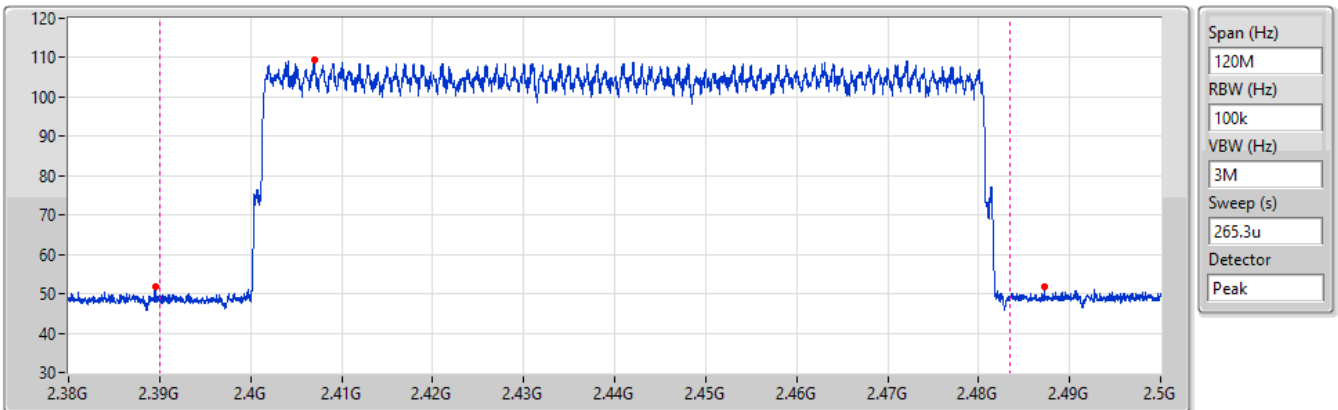


2.4-2.4835GHz_BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

05/12/2023



Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.40697G	109.31	2.389525G	51.88	21.78	2.48722G	51.73	21.63	74	54	3.125	-30.1



Summary

2.4-2.4835GHz	-
BT-BR(1Mbps)	308.10065m_DH5
BT-EDR(2Mbps)	309.16665m_DH5
BT-EDR(3Mbps)	309.14m_DH5



Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.10065m_DH5	400m	2.89025m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.16665m_DH5	400m	2.90025m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.14m_DH5	400m	2.9m

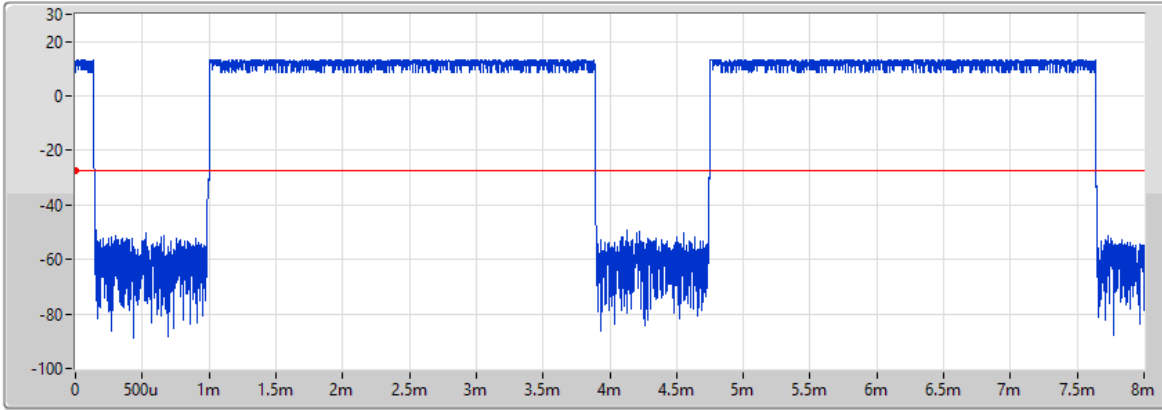


2.4-2.4835GHz_BT-BR(1Mbps)

Dwell-FS

2440MHz

05/12/2023



Port 1

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.89025m

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.10065m_DH5	400m	2.89025m

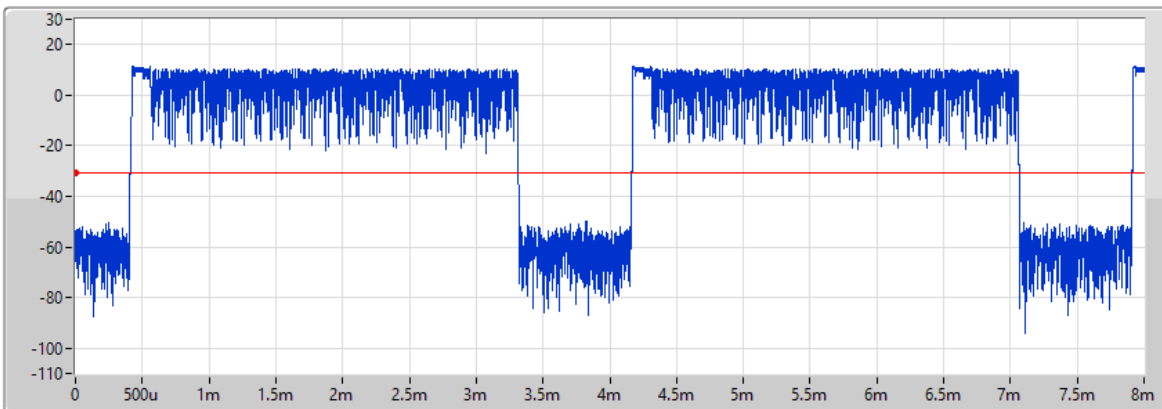
DH5

2.4-2.4835GHz_BT-EDR(2Mbps)

Dwell-FS

2440MHz

05/12/2023



Port 1

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.90025m

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.16665m_DH5	400m	2.90025m

DH5

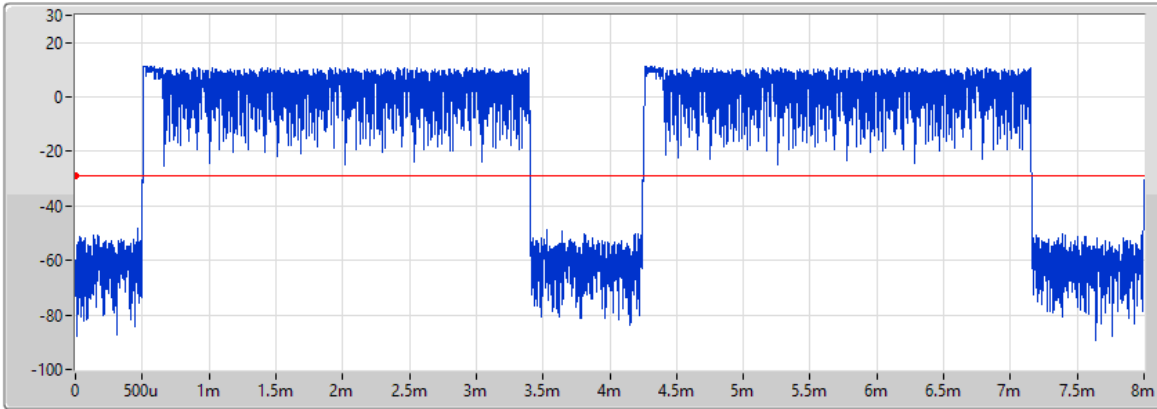


2.4-2.4835GHz_BT-EDR(3Mbps)

Dwell-FS

2440MHz

05/12/2023



Port 1

Ch Freq (Hz)
2.44G

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
8m

TX Time (s)
2.9m

DH5

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.14m_DH5	400m	2.9m

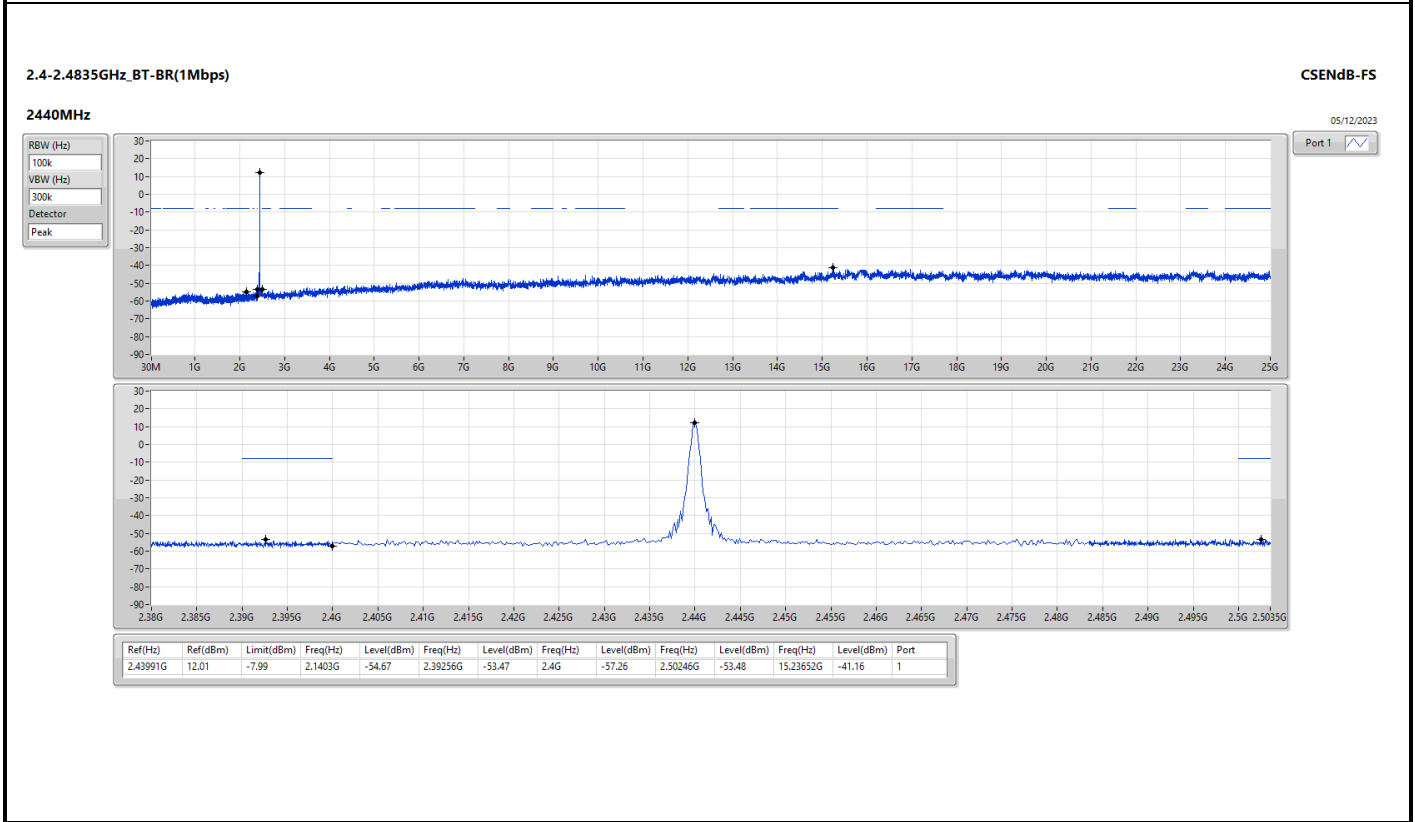
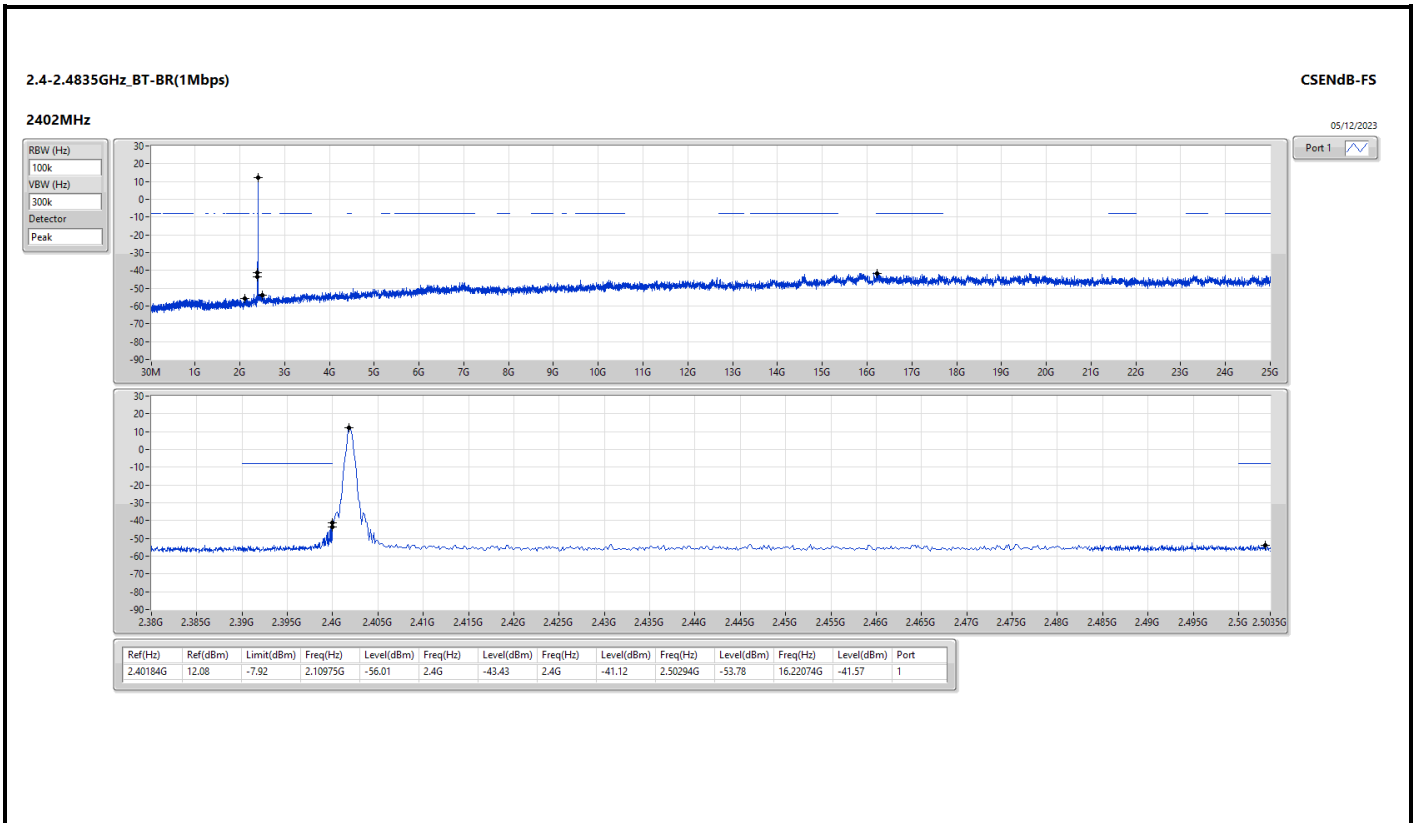


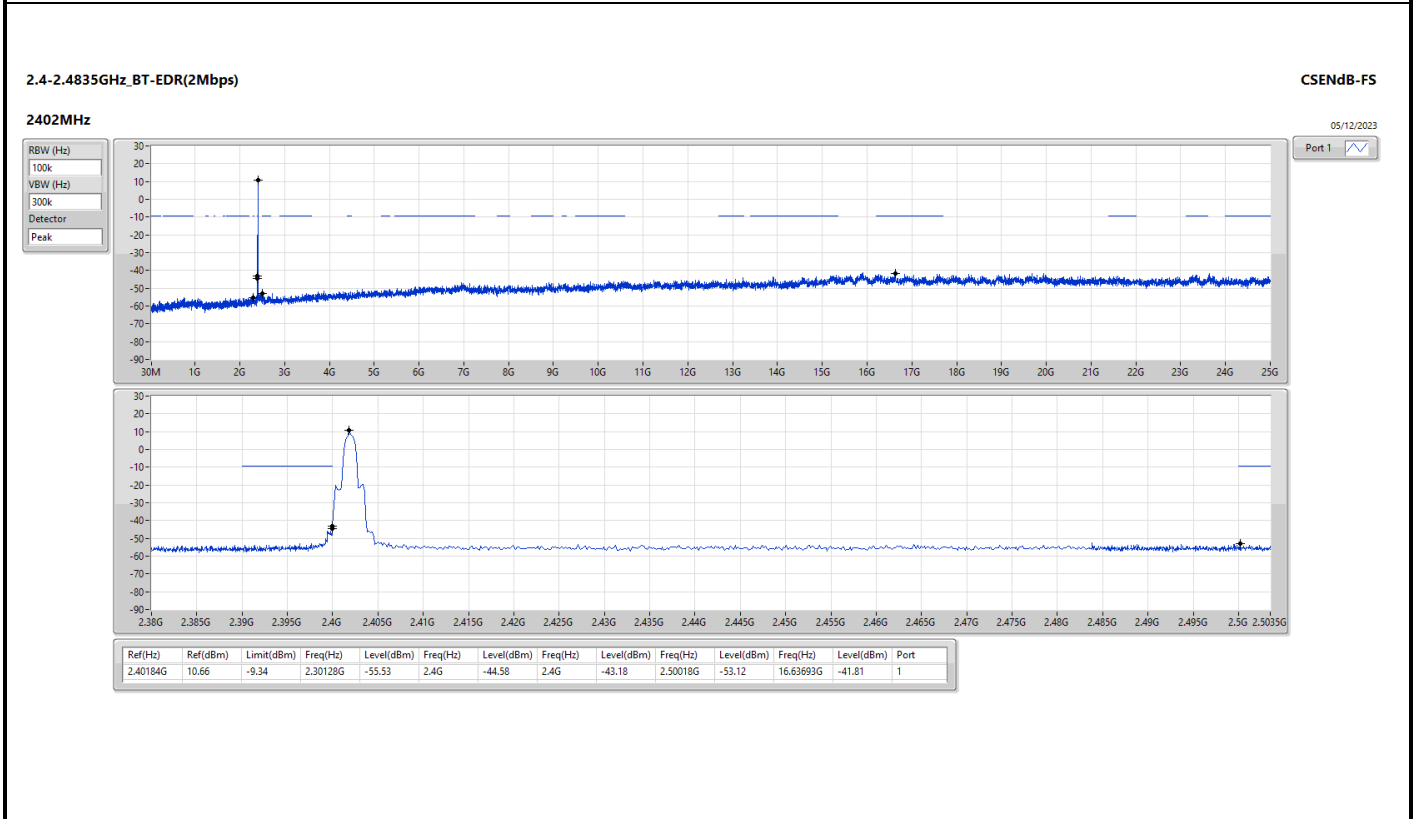
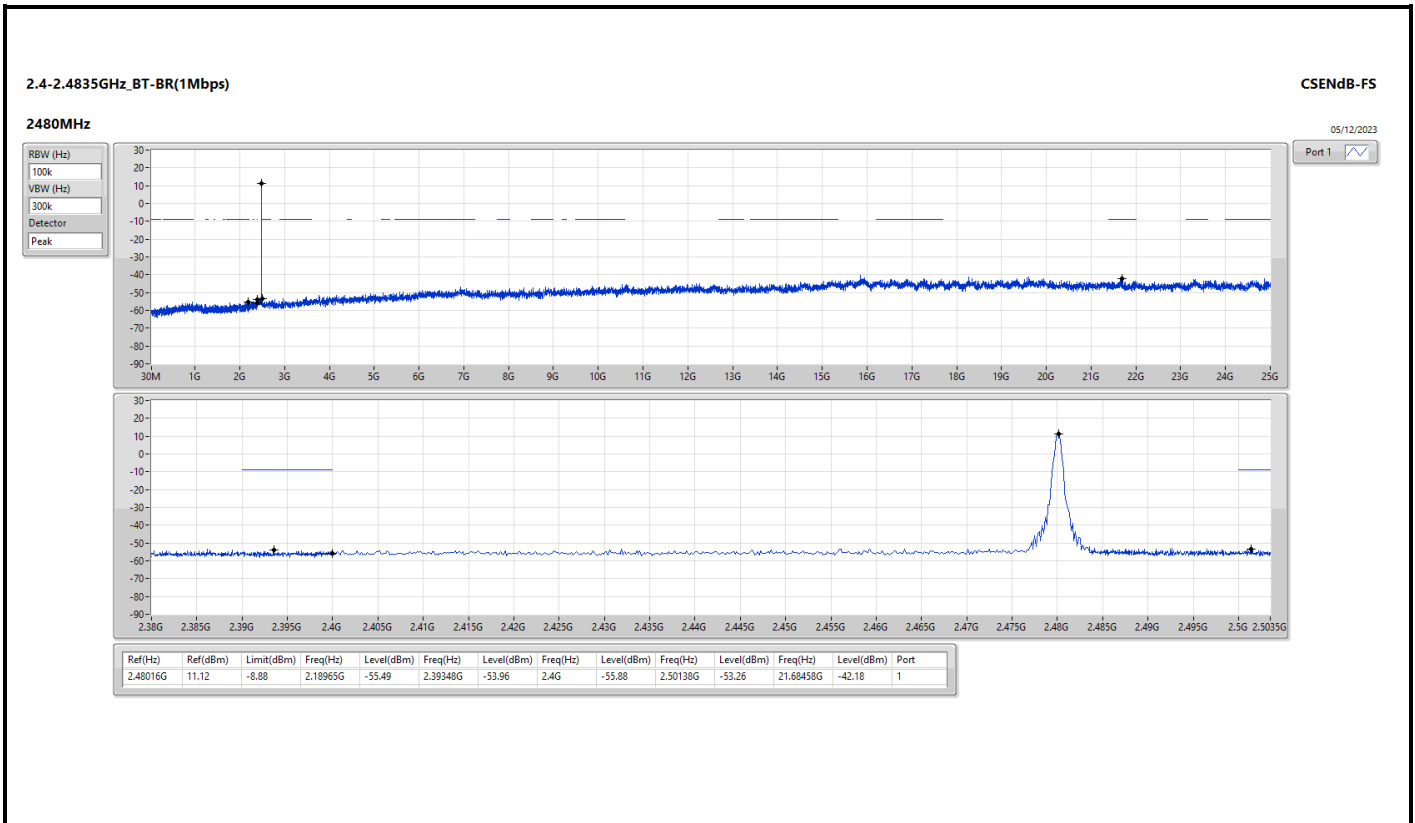
Summary

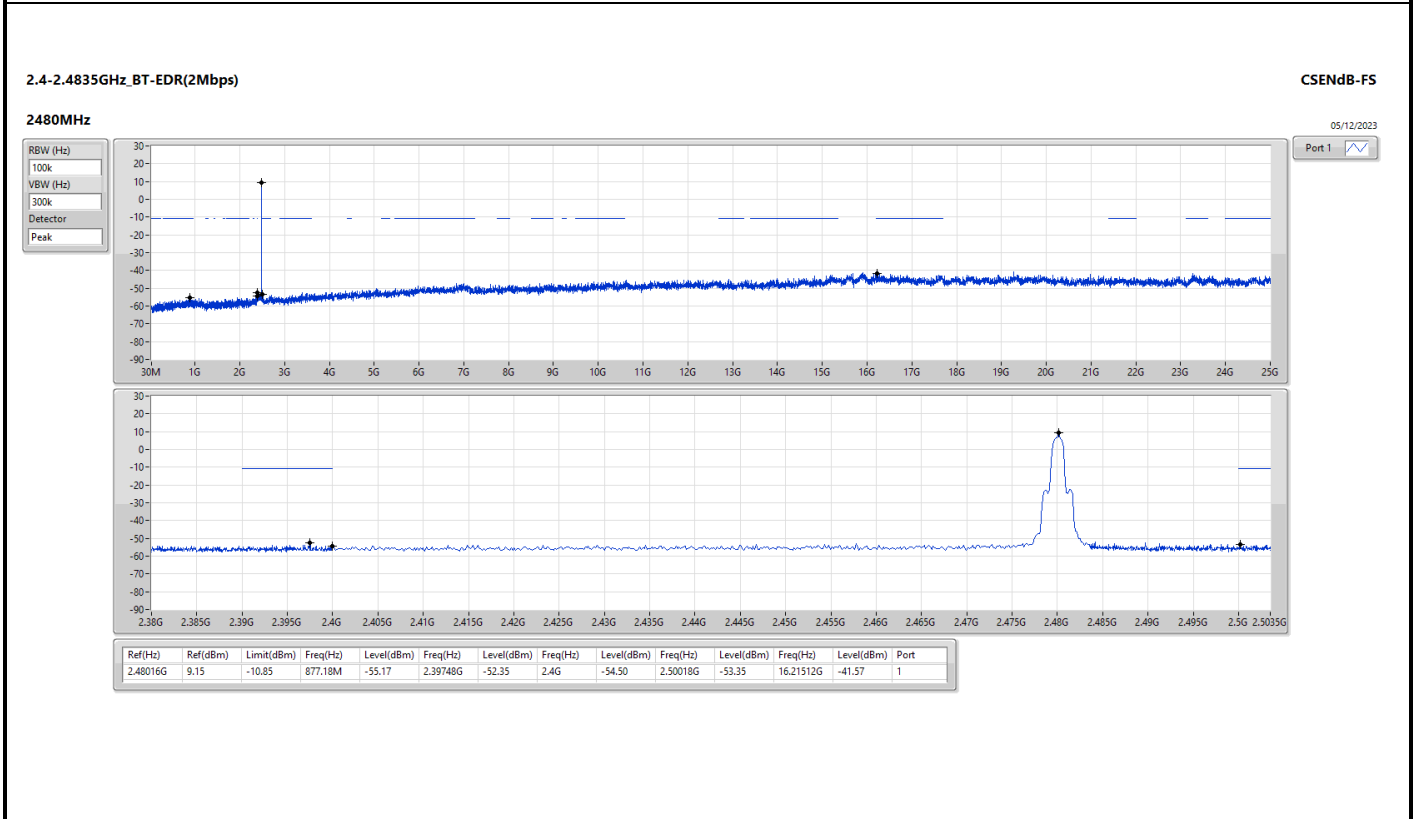
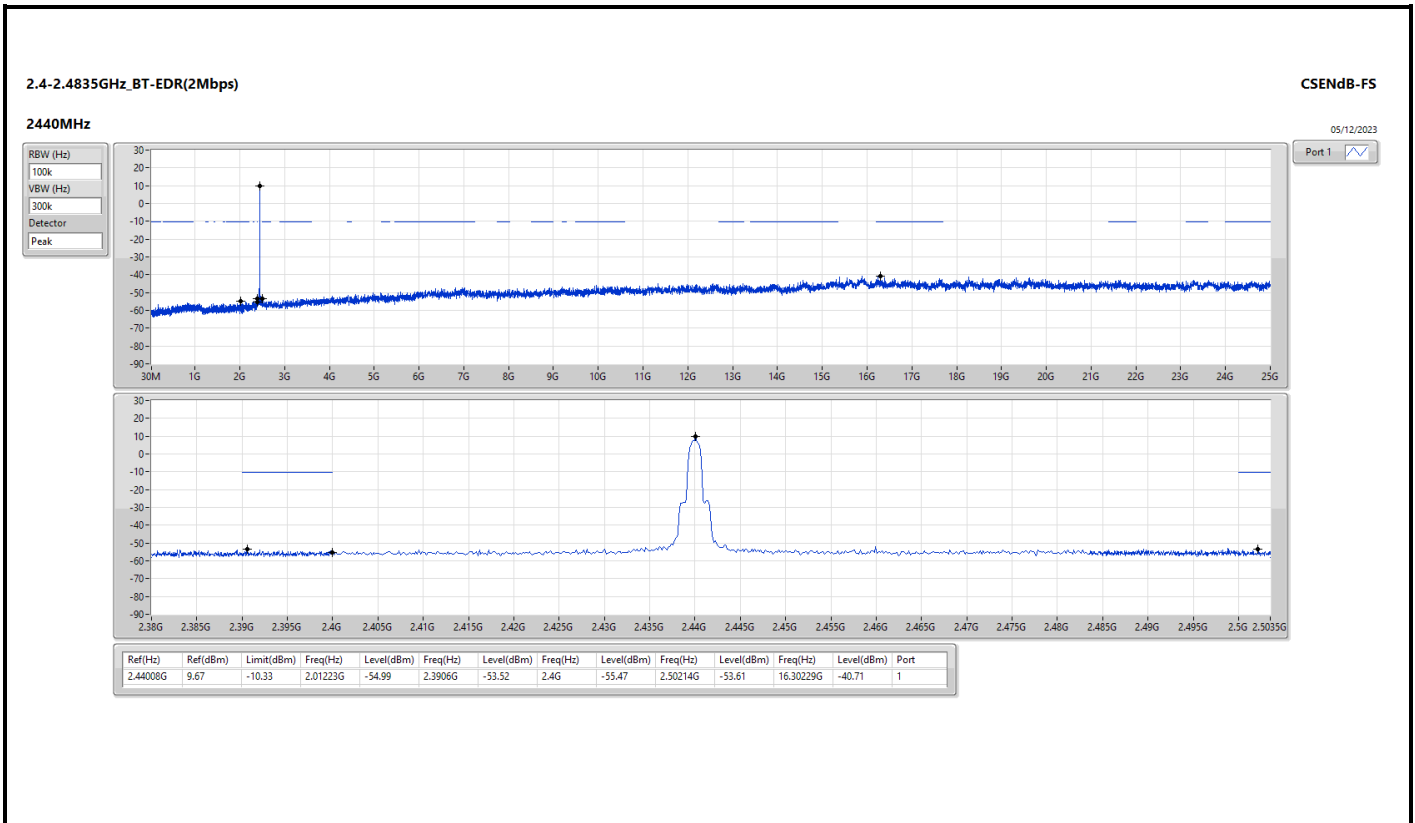
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.40184G	12.08	-7.92	2.10975G	-56.01	2.4G	-43.43	2.4G	-41.12	2.50294G	-53.78	16.22074G	-41.57	1
BT-EDR(2Mbps)	Pass	2.40184G	10.66	-9.34	2.30128G	-55.53	2.4G	-44.58	2.4G	-43.18	2.50018G	-53.12	16.63693G	-41.81	1
BT-EDR(3Mbps)	Pass	2.40184G	9.48	-10.52	831.35M	-54.91	2.39996G	-45.74	2.4G	-43.76	2.50086G	-53.88	16.2123G	-41.60	1

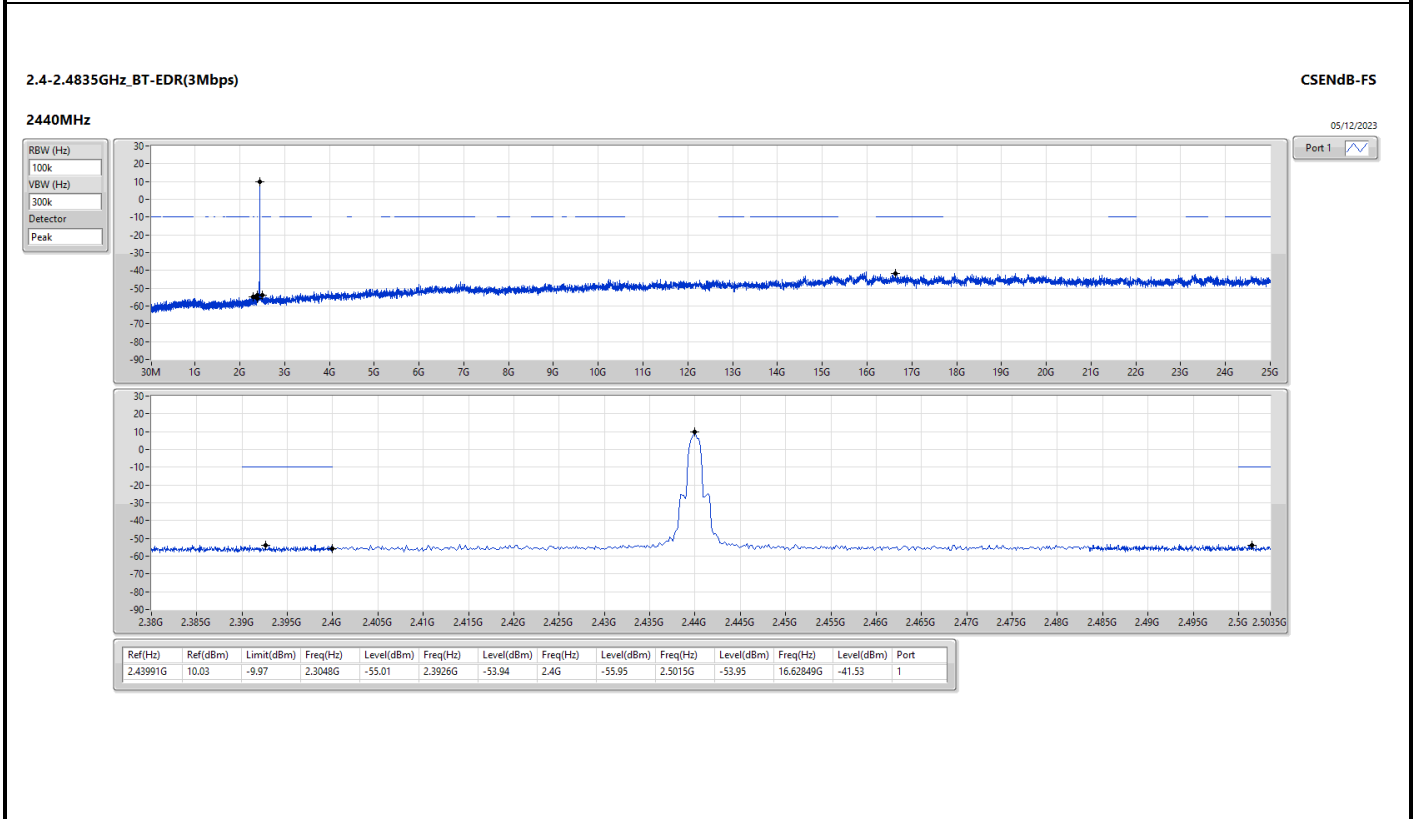
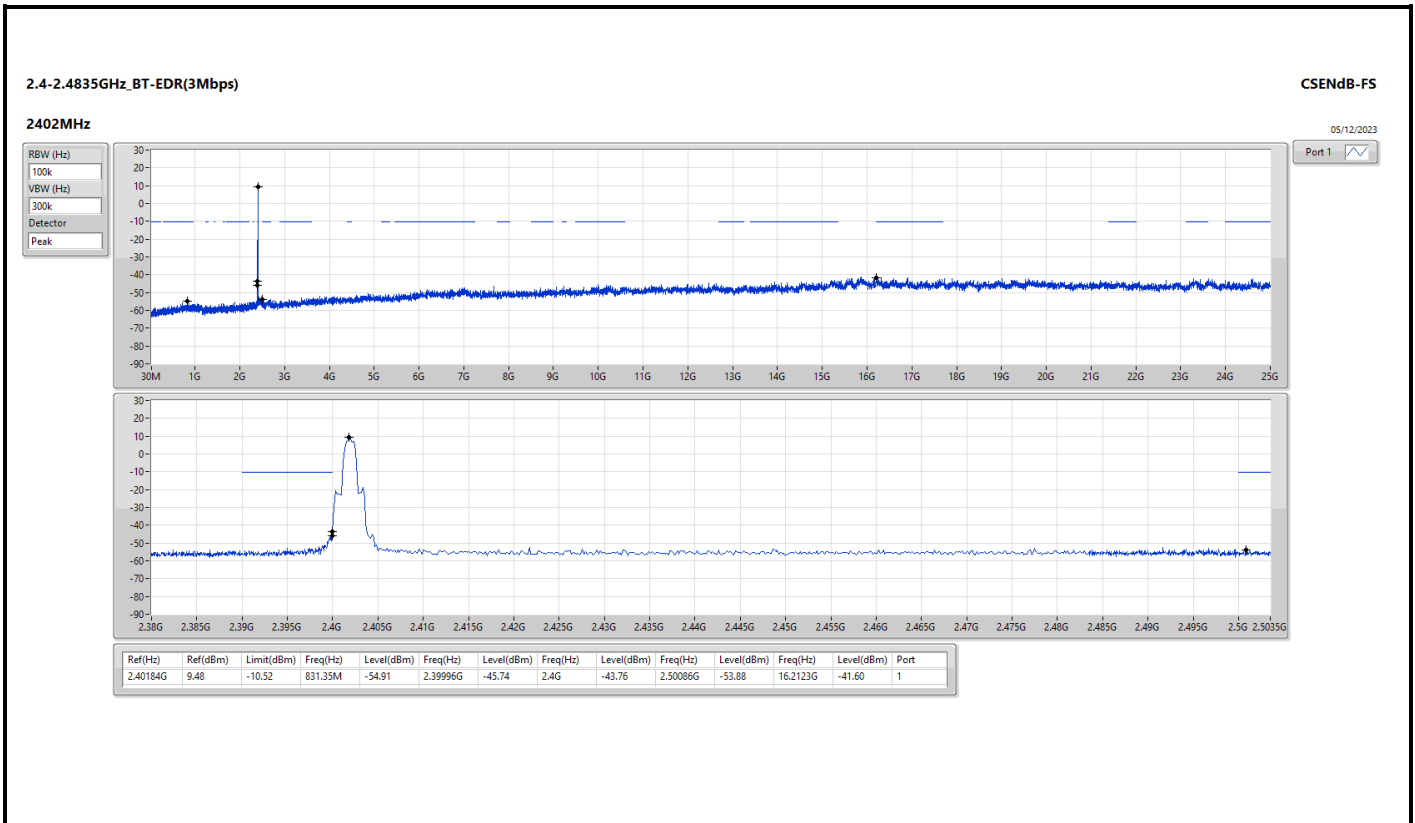
Result

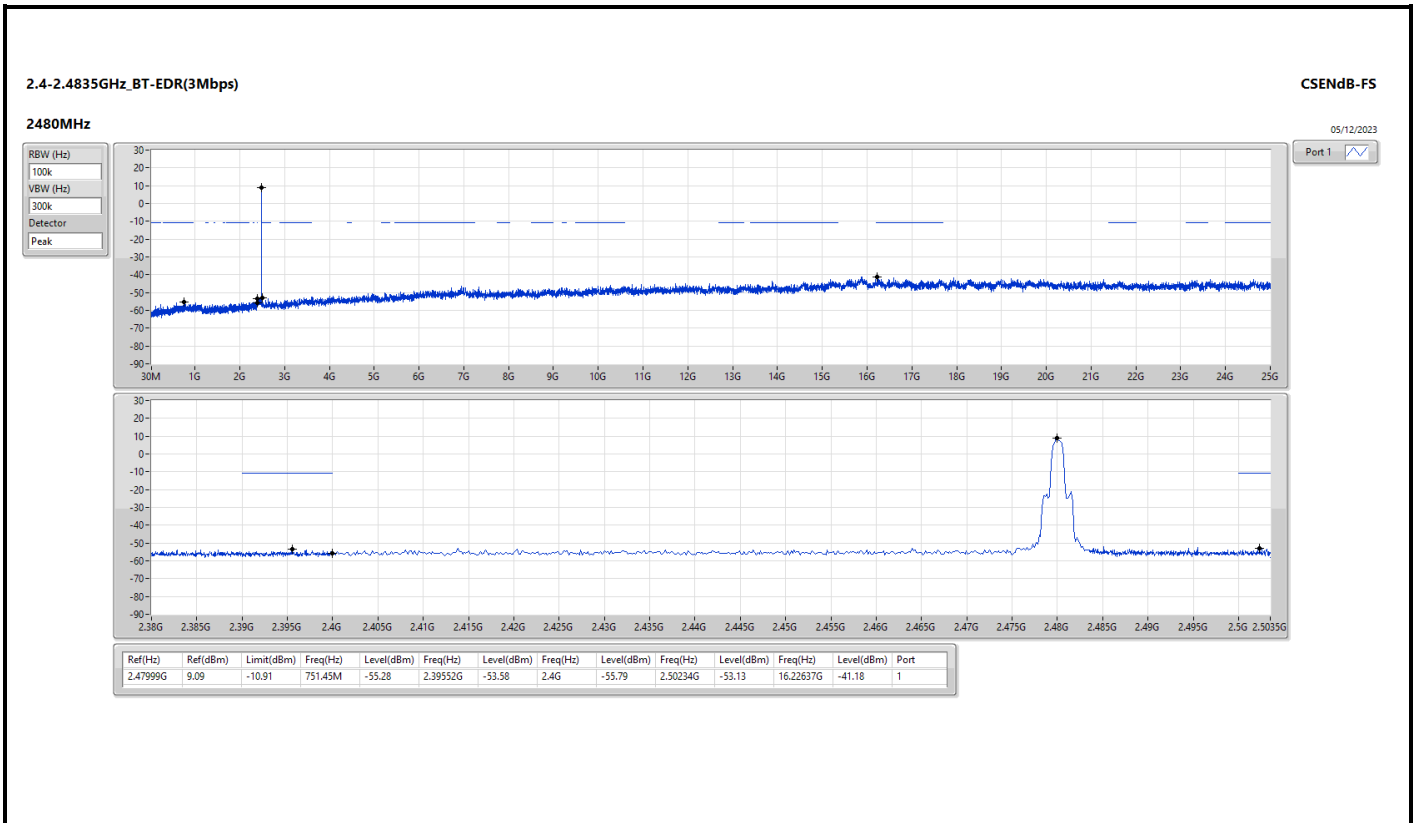
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	12.08	-7.92	2.10975G	-56.01	2.4G	-43.43	2.4G	-41.12	2.50294G	-53.78	16.22074G	-41.57	1
2440MHz	Pass	2.43991G	12.01	-7.99	2.1403G	-54.67	2.39256G	-53.47	2.4G	-57.26	2.50246G	-53.48	15.23652G	-41.16	1
2480MHz	Pass	2.48016G	11.12	-8.88	2.18965G	-55.49	2.39348G	-53.96	2.4G	-55.88	2.50138G	-53.26	21.68458G	-42.18	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	10.66	-9.34	2.30128G	-55.53	2.4G	-44.58	2.4G	-43.18	2.50018G	-53.12	16.63693G	-41.81	1
2440MHz	Pass	2.44008G	9.67	-10.33	2.01223G	-54.99	2.3906G	-53.52	2.4G	-55.47	2.50214G	-53.61	16.30229G	-40.71	1
2480MHz	Pass	2.48016G	9.15	-10.85	877.18M	-55.17	2.39748G	-52.35	2.4G	-54.50	2.50018G	-53.35	16.21512G	-41.57	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	9.48	-10.52	831.35M	-54.91	2.39996G	-45.74	2.4G	-43.76	2.50086G	-53.88	16.2123G	-41.60	1
2440MHz	Pass	2.43991G	10.03	-9.97	2.3048G	-55.01	2.3926G	-53.94	2.4G	-55.95	2.5015G	-53.95	16.62849G	-41.53	1
2480MHz	Pass	2.47999G	9.09	-10.91	751.45M	-55.28	2.39552G	-53.58	2.4G	-55.79	2.50234G	-53.13	16.22637G	-41.18	1













Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-EDR(3Mbps)	Pass	PK	741.98M	38.44	46.00	-7.56	3	Horizontal	0	1.00

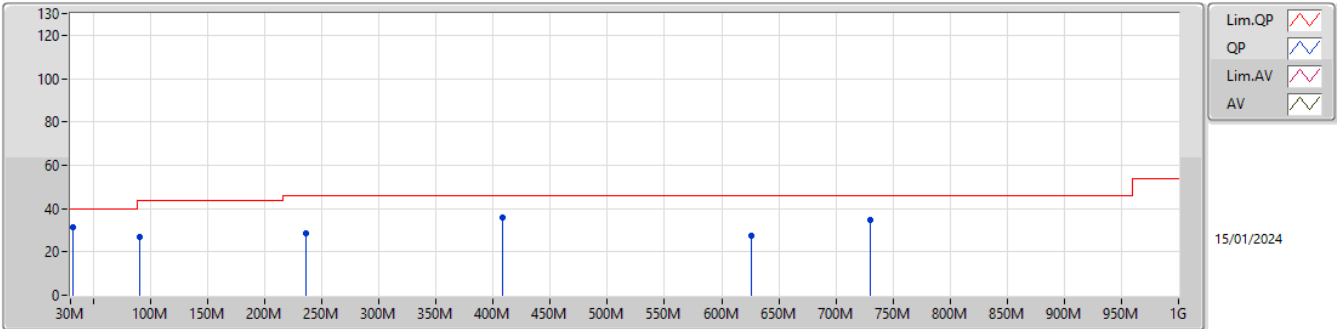


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	PK	31.94M	31.62	40.00	-8.38	3	Vertical	360	1.00
2402MHz	Pass	PK	90.14M	26.64	43.50	-16.86	3	Vertical	360	1.00
2402MHz	Pass	PK	235.64M	28.73	46.00	-17.27	3	Vertical	360	1.00
2402MHz	Pass	PK	408.3M	35.77	46.00	-10.23	3	Vertical	360	1.00
2402MHz	Pass	PK	625.58M	27.58	46.00	-18.42	3	Vertical	360	1.00
2402MHz	Pass	PK	730.34M	34.68	46.00	-11.32	3	Vertical	360	1.00
2402MHz	Pass	PK	127M	26.09	43.50	-17.41	3	Horizontal	0	1.00
2402MHz	Pass	PK	260.86M	31.45	46.00	-14.55	3	Horizontal	0	1.00
2402MHz	Pass	PK	375.32M	34.33	46.00	-11.67	3	Horizontal	0	1.00
2402MHz	Pass	PK	408.3M	32.16	46.00	-13.84	3	Horizontal	0	1.00
2402MHz	Pass	PK	648.86M	30.87	46.00	-15.13	3	Horizontal	0	1.00
2402MHz	Pass	PK	741.98M	38.44	46.00	-7.56	3	Horizontal	0	1.00

2.4-2.4835GHz_BT-EDR(3Mbps)

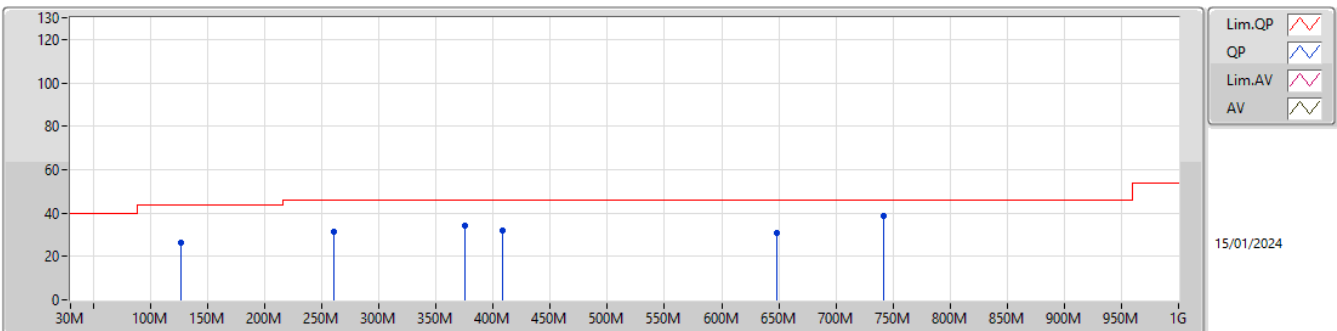
2402MHz_PoE



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	31.94M	31.62	40.00	-8.38	-4.38	3	Vertical	360	1.00	36.00	22.61	0.43	27.42
PK	90.14M	26.64	43.50	-16.86	-12.48	3	Vertical	360	1.00	39.12	14.14	0.71	27.33
PK	235.64M	28.73	46.00	-17.27	-9.73	3	Vertical	360	1.00	38.46	15.89	1.13	26.75
PK	408.3M	35.77	46.00	-10.23	-4.80	3	Vertical	360	1.00	40.57	21.30	1.49	27.59
PK	625.58M	27.58	46.00	-18.42	-2.57	3	Vertical	360	1.00	30.15	24.00	1.83	28.40
PK	730.34M	34.68	46.00	-11.32	-1.98	3	Vertical	360	1.00	36.66	24.39	1.98	28.35

2.4-2.4835GHz_BT-EDR(3Mbps)

2402MHz_PoE



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	127M	26.09	43.50	-17.41	-9.29	3	Horizontal	0	1.00	35.38	17.09	0.84	27.22
PK	260.86M	31.45	46.00	-14.55	-6.84	3	Horizontal	0	1.00	38.29	18.69	1.19	26.72
PK	375.32M	34.33	46.00	-11.67	-5.90	3	Horizontal	0	1.00	40.23	19.96	1.43	27.29
PK	408.3M	32.16	46.00	-13.84	-4.80	3	Horizontal	0	1.00	36.96	21.30	1.49	27.59
PK	648.86M	30.87	46.00	-15.13	-2.48	3	Horizontal	0	1.00	33.35	24.09	1.86	28.43
PK	741.98M	38.44	46.00	-7.56	-1.77	3	Horizontal	0	1.00	40.21	24.57	2.00	28.34



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	2.4835G	61.07	74.00	-12.93	3	Horizontal	36	2.57
BT-EDR(3Mbps)	Pass	PK	2.4835G	59.43	74.00	-14.57	3	Horizontal	36	2.58



Result

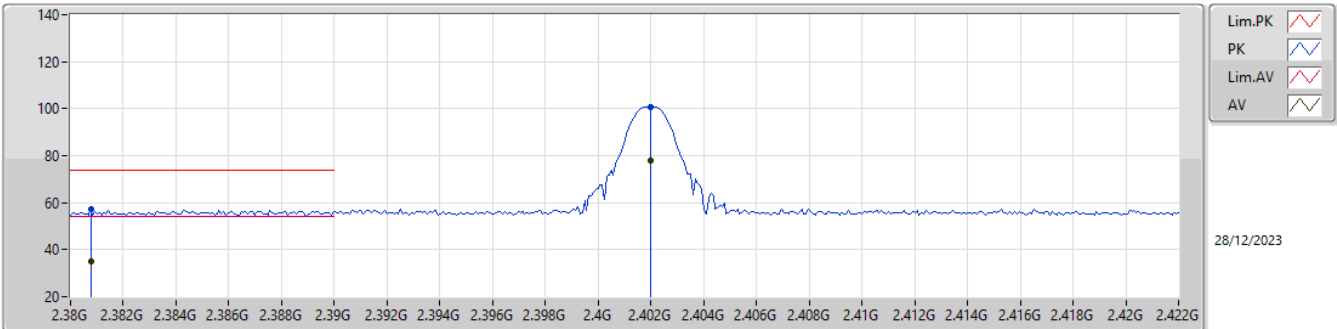
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.38076G	34.75	54.00	-19.25	3	Vertical	191	1.27
2402MHz	Pass	AV	2.40201G	78.04	Inf	-Inf	3	Vertical	191	1.27
2402MHz	Pass	PK	2.38076G	57.25	74.00	-16.75	3	Vertical	191	1.27
2402MHz	Pass	PK	2.40201G	100.54	Inf	-Inf	3	Vertical	191	1.27
2402MHz	Pass	AV	2.38638G	34.09	54.00	-19.91	3	Horizontal	67	2.77
2402MHz	Pass	AV	2.40192G	88.02	Inf	-Inf	3	Horizontal	67	2.77
2402MHz	Pass	PK	2.38638G	56.59	74.00	-17.41	3	Horizontal	67	2.77
2402MHz	Pass	PK	2.40192G	110.52	Inf	-Inf	3	Horizontal	67	2.77
2402MHz	Pass	AV	4.80444G	22.70	54.00	-31.30	3	Vertical	41	2.26
2402MHz	Pass	PK	4.80444G	45.20	74.00	-28.80	3	Vertical	41	2.26
2402MHz	Pass	AV	4.80374G	24.72	54.00	-29.28	3	Horizontal	110	1.00
2402MHz	Pass	PK	4.80374G	47.22	74.00	-26.78	3	Horizontal	110	1.00
2440MHz	Pass	AV	2.38543G	34.06	54.00	-19.94	3	Vertical	71	1.44
2440MHz	Pass	AV	2.43977G	79.30	Inf	-Inf	3	Vertical	71	1.44
2440MHz	Pass	AV	2.48596G	35.12	54.00	-18.88	3	Vertical	71	1.44
2440MHz	Pass	PK	2.38543G	56.56	74.00	-17.44	3	Vertical	71	1.44
2440MHz	Pass	PK	2.43977G	101.80	Inf	-Inf	3	Vertical	71	1.44
2440MHz	Pass	PK	2.48596G	57.62	74.00	-16.38	3	Vertical	71	1.44
2440MHz	Pass	AV	2.38815G	33.87	54.00	-20.13	3	Horizontal	50	2.36
2440MHz	Pass	AV	2.43977G	87.94	Inf	-Inf	3	Horizontal	50	2.36
2440MHz	Pass	AV	2.48769G	35.23	54.00	-18.77	3	Horizontal	50	2.36
2440MHz	Pass	PK	2.38815G	56.37	74.00	-17.63	3	Horizontal	50	2.36
2440MHz	Pass	PK	2.43977G	110.44	Inf	-Inf	3	Horizontal	50	2.36
2440MHz	Pass	PK	2.48769G	57.73	74.00	-16.27	3	Horizontal	50	2.36
2440MHz	Pass	AV	4.88016G	23.61	54.00	-30.39	3	Vertical	35	2.35
2440MHz	Pass	AV	7.31953G	27.21	54.00	-26.79	3	Vertical	157	1.68
2440MHz	Pass	PK	4.88016G	46.11	74.00	-27.89	3	Vertical	35	2.35
2440MHz	Pass	PK	7.31953G	49.71	74.00	-24.29	3	Vertical	157	1.68
2440MHz	Pass	AV	4.88013G	25.07	54.00	-28.93	3	Horizontal	94	1.00
2440MHz	Pass	AV	7.32001G	28.40	54.00	-25.60	3	Horizontal	13	1.49
2440MHz	Pass	PK	4.88013G	47.57	74.00	-26.43	3	Horizontal	94	1.00
2440MHz	Pass	PK	7.32001G	50.90	74.00	-23.10	3	Horizontal	13	1.49
2480MHz	Pass	AV	2.47992G	78.86	Inf	-Inf	3	Vertical	36	1.45
2480MHz	Pass	AV	2.49254G	34.70	54.00	-19.30	3	Vertical	36	1.45
2480MHz	Pass	PK	2.47992G	101.36	Inf	-Inf	3	Vertical	36	1.45
2480MHz	Pass	PK	2.49254G	57.20	74.00	-16.80	3	Vertical	36	1.45
2480MHz	Pass	AV	2.47992G	87.05	Inf	-Inf	3	Horizontal	36	2.57
2480MHz	Pass	AV	2.4835G	38.57	54.00	-15.43	3	Horizontal	36	2.57
2480MHz	Pass	PK	2.47992G	109.55	Inf	-Inf	3	Horizontal	36	2.57
2480MHz	Pass	PK	2.4835G	61.07	74.00	-12.93	3	Horizontal	36	2.57
2480MHz	Pass	AV	4.96016G	23.75	54.00	-30.25	3	Vertical	28	2.28
2480MHz	Pass	AV	7.44029G	26.86	54.00	-27.14	3	Vertical	154	1.59
2480MHz	Pass	PK	4.96016G	46.25	74.00	-27.75	3	Vertical	28	2.28
2480MHz	Pass	PK	7.44029G	49.36	74.00	-24.64	3	Vertical	154	1.59
2480MHz	Pass	AV	4.95959G	24.79	54.00	-29.21	3	Horizontal	81	2.20
2480MHz	Pass	AV	7.44053G	29.34	54.00	-24.66	3	Horizontal	8	1.50
2480MHz	Pass	PK	4.95959G	47.29	74.00	-26.71	3	Horizontal	81	2.20
2480MHz	Pass	PK	7.44053G	51.84	74.00	-22.16	3	Horizontal	8	1.50
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.38974G	34.46	54.00	-19.54	3	Vertical	71	1.00
2402MHz	Pass	AV	2.40209G	78.23	Inf	-Inf	3	Vertical	71	1.00
2402MHz	Pass	PK	2.38974G	56.96	74.00	-17.04	3	Vertical	71	1.00
2402MHz	Pass	PK	2.40209G	100.73	Inf	-Inf	3	Vertical	71	1.00
2402MHz	Pass	AV	2.38302G	34.88	54.00	-19.12	3	Horizontal	67	2.77
2402MHz	Pass	AV	2.40192G	87.12	Inf	-Inf	3	Horizontal	67	2.77
2402MHz	Pass	PK	2.38302G	57.38	74.00	-16.62	3	Horizontal	67	2.77
2402MHz	Pass	PK	2.40192G	109.62	Inf	-Inf	3	Horizontal	67	2.77
2402MHz	Pass	AV	4.80437G	23.13	54.00	-30.87	3	Vertical	41	2.27
2402MHz	Pass	PK	4.80437G	45.63	74.00	-28.37	3	Vertical	41	2.27
2402MHz	Pass	AV	4.80357G	24.03	54.00	-29.97	3	Horizontal	111	1.07



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2402MHz	Pass	PK	4.80357G	46.53	74.00	-27.47	3	Horizontal	111	1.07
2440MHz	Pass	AV	2.38939G	34.20	54.00	-19.80	3	Vertical	73	1.44
2440MHz	Pass	AV	2.44002G	78.44	Inf	-Inf	3	Vertical	73	1.44
2440MHz	Pass	AV	2.49782G	35.21	54.00	-18.79	3	Vertical	73	1.44
2440MHz	Pass	PK	2.38939G	56.70	74.00	-17.30	3	Vertical	73	1.44
2440MHz	Pass	PK	2.44002G	100.94	Inf	-Inf	3	Vertical	73	1.44
2440MHz	Pass	PK	2.49782G	57.71	74.00	-16.29	3	Vertical	73	1.44
2440MHz	Pass	AV	2.38988G	34.33	54.00	-19.67	3	Horizontal	53	1.50
2440MHz	Pass	AV	2.44002G	86.52	Inf	-Inf	3	Horizontal	53	1.50
2440MHz	Pass	AV	2.48794G	34.62	54.00	-19.38	3	Horizontal	53	1.50
2440MHz	Pass	PK	2.38988G	56.83	74.00	-17.17	3	Horizontal	53	1.50
2440MHz	Pass	PK	2.44002G	109.02	Inf	-Inf	3	Horizontal	53	1.50
2440MHz	Pass	PK	2.48794G	57.12	74.00	-16.88	3	Horizontal	53	1.50
2440MHz	Pass	AV	4.88G	22.45	54.00	-31.55	3	Vertical	45	2.36
2440MHz	Pass	AV	7.32124G	26.29	54.00	-27.71	3	Vertical	148	1.50
2440MHz	Pass	PK	4.88G	44.95	74.00	-29.05	3	Vertical	45	2.36
2440MHz	Pass	PK	7.32124G	48.79	74.00	-25.21	3	Vertical	148	1.50
2440MHz	Pass	AV	4.88008G	23.79	54.00	-30.21	3	Horizontal	95	1.00
2440MHz	Pass	AV	7.31986G	26.95	54.00	-27.05	3	Horizontal	14	1.47
2440MHz	Pass	PK	4.88008G	46.29	74.00	-27.71	3	Horizontal	95	1.00
2440MHz	Pass	PK	7.31986G	49.45	74.00	-24.55	3	Horizontal	14	1.47
2480MHz	Pass	AV	2.47984G	78.13	Inf	-Inf	3	Vertical	37	1.47
2480MHz	Pass	AV	2.48793G	34.95	54.00	-19.05	3	Vertical	37	1.47
2480MHz	Pass	PK	2.47984G	100.63	Inf	-Inf	3	Vertical	37	1.47
2480MHz	Pass	PK	2.48793G	57.45	74.00	-16.55	3	Vertical	37	1.47
2480MHz	Pass	AV	2.47975G	86.13	Inf	-Inf	3	Horizontal	36	2.58
2480MHz	Pass	AV	2.4835G	36.93	54.00	-17.07	3	Horizontal	36	2.58
2480MHz	Pass	PK	2.47975G	108.63	Inf	-Inf	3	Horizontal	36	2.58
2480MHz	Pass	PK	2.4835G	59.43	74.00	-14.57	3	Horizontal	36	2.58
2480MHz	Pass	AV	4.96023G	23.99	54.00	-30.01	3	Vertical	25	2.27
2480MHz	Pass	AV	7.44023G	25.62	54.00	-28.38	3	Vertical	353	1.50
2480MHz	Pass	PK	4.96023G	46.49	74.00	-27.51	3	Vertical	25	2.27
2480MHz	Pass	PK	7.44023G	48.12	74.00	-25.88	3	Vertical	353	1.50
2480MHz	Pass	AV	4.96022G	24.20	54.00	-29.80	3	Horizontal	84	2.23
2480MHz	Pass	AV	7.43961G	27.59	54.00	-26.41	3	Horizontal	6	1.50
2480MHz	Pass	PK	4.96022G	46.70	74.00	-27.30	3	Horizontal	84	2.23
2480MHz	Pass	PK	7.43961G	50.09	74.00	-23.91	3	Horizontal	6	1.50

2.4-2.4835GHz_BT-BR(1Mbps)

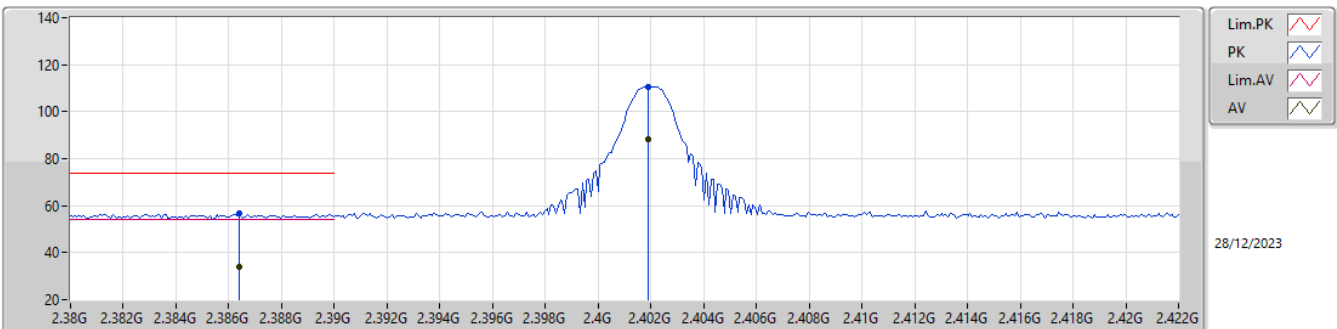
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.38076G	34.75	54.00	-19.25	31.14	3	Vertical	191	1.27	3.61	27.51	3.63	-
AV	2.40201G	78.04	Inf	-Inf	31.34	3	Vertical	191	1.27	46.70	27.70	3.64	-
PK	2.38076G	57.25	74.00	-16.75	31.14	3	Vertical	191	1.27	26.11	27.51	3.63	-
PK	2.40201G	100.54	Inf	-Inf	31.34	3	Vertical	191	1.27	69.20	27.70	3.64	-

2.4-2.4835GHz_BT-BR(1Mbps)

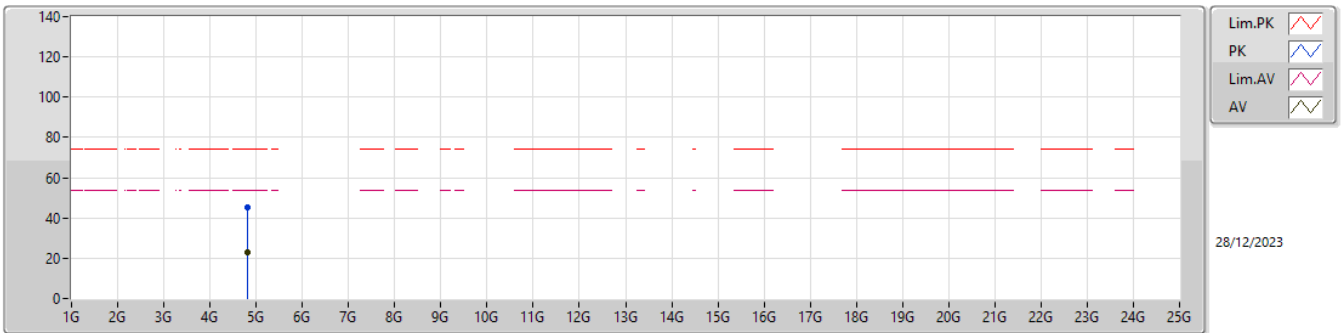
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.38638G	34.09	54.00	-19.91	31.19	3	Horizontal	67	2.77	2.90	27.56	3.63	-
AV	2.40192G	88.02	Inf	-Inf	31.34	3	Horizontal	67	2.77	56.68	27.70	3.64	-
PK	2.38638G	56.59	74.00	-17.41	31.19	3	Horizontal	67	2.77	25.40	27.56	3.63	-
PK	2.40192G	110.52	Inf	-Inf	31.34	3	Horizontal	67	2.77	79.18	27.70	3.64	-

2.4-2.4835GHz_BT-BR(1Mbps)

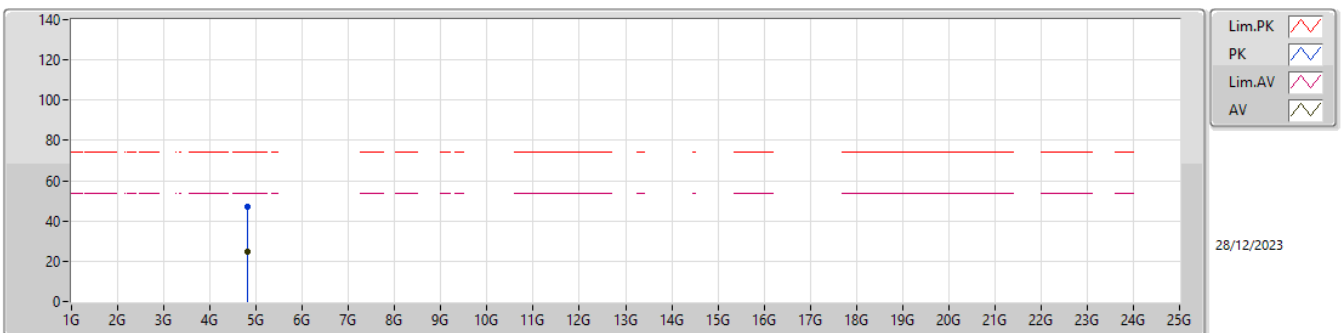
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80444G	22.70	54.00	-31.30	0.40	3	Vertical	41	2.26	22.30	32.53	5.29	37.42
PK	4.80444G	45.20	74.00	-28.80	0.40	3	Vertical	41	2.26	44.80	32.53	5.29	37.42

2.4-2.4835GHz_BT-BR(1Mbps)

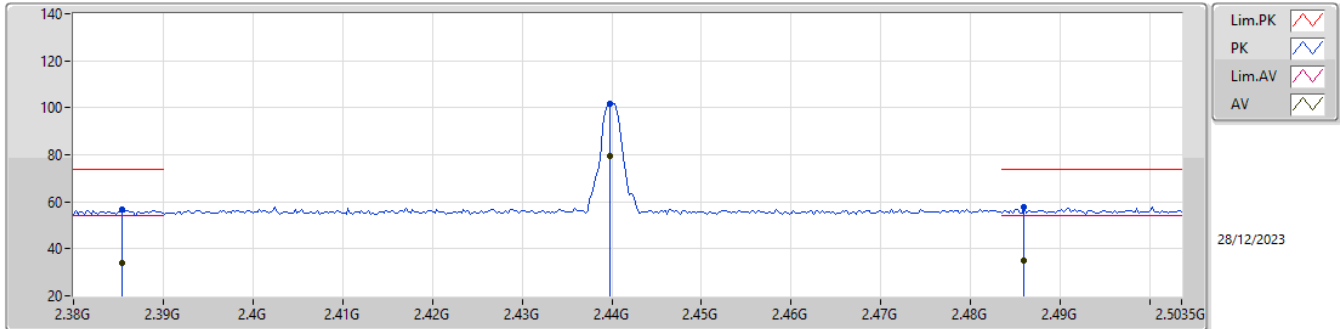
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80374G	24.72	54.00	-29.28	0.39	3	Horizontal	110	1.00	24.33	32.52	5.29	37.42
PK	4.80374G	47.22	74.00	-26.78	0.39	3	Horizontal	110	1.00	46.83	32.52	5.29	37.42

2.4-2.4835GHz_BT-BR(1Mbps)

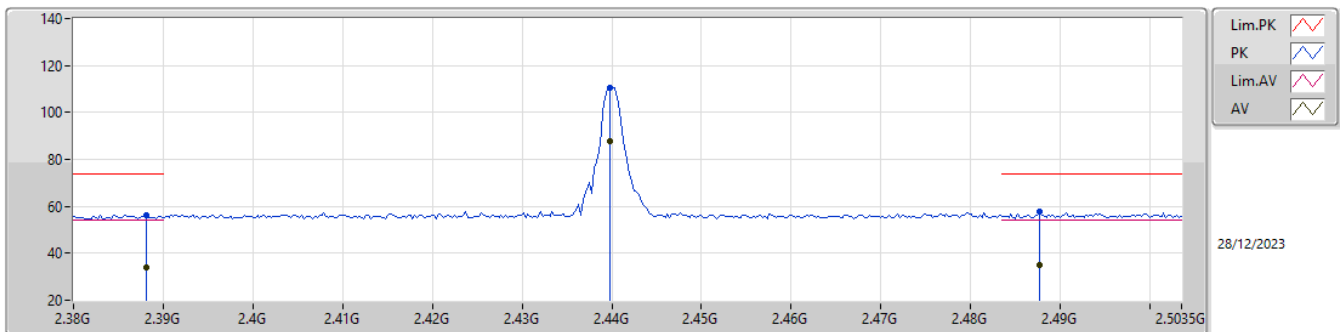
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.38543G	34.06	54.00	-19.94	31.18	3	Vertical	71	1.44	2.88	27.55	3.63	-
AV	2.43977G	79.30	Inf	-Inf	31.37	3	Vertical	71	1.44	47.93	27.70	3.67	-
AV	2.48596G	35.12	54.00	-18.88	31.51	3	Vertical	71	1.44	3.61	27.80	3.71	-
PK	2.38543G	56.56	74.00	-17.44	31.18	3	Vertical	71	1.44	25.38	27.55	3.63	-
PK	2.43977G	101.80	Inf	-Inf	31.37	3	Vertical	71	1.44	70.43	27.70	3.67	-
PK	2.48596G	57.62	74.00	-16.38	31.51	3	Vertical	71	1.44	26.11	27.80	3.71	-

2.4-2.4835GHz_BT-BR(1Mbps)

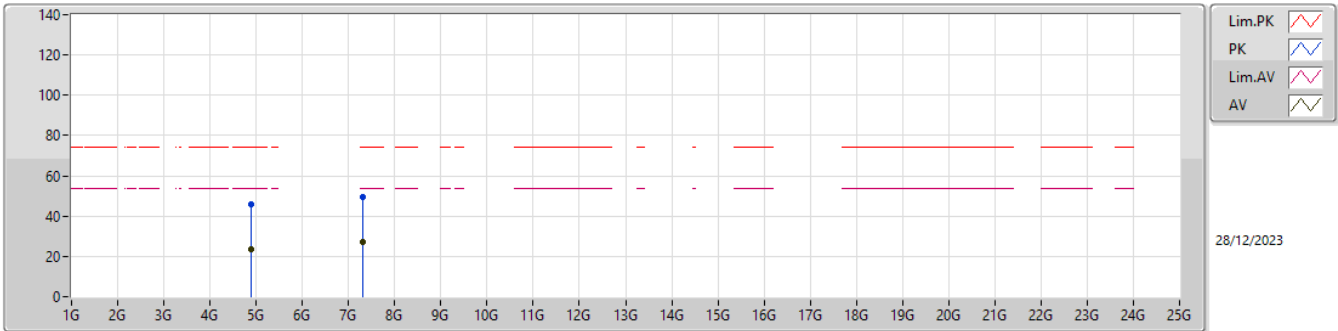
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.38815G	33.87	54.00	-20.13	31.21	3	Horizontal	50	2.36	2.66	27.58	3.63	-
AV	2.43977G	87.94	Inf	-Inf	31.37	3	Horizontal	50	2.36	56.57	27.70	3.67	-
AV	2.48769G	35.23	54.00	-18.77	31.51	3	Horizontal	50	2.36	3.72	27.80	3.71	-
PK	2.38815G	56.37	74.00	-17.63	31.21	3	Horizontal	50	2.36	25.16	27.58	3.63	-
PK	2.43977G	110.44	Inf	-Inf	31.37	3	Horizontal	50	2.36	79.07	27.70	3.67	-
PK	2.48769G	57.73	74.00	-16.27	31.51	3	Horizontal	50	2.36	26.22	27.80	3.71	-

2.4-2.4835GHz_BT-BR(1Mbps)

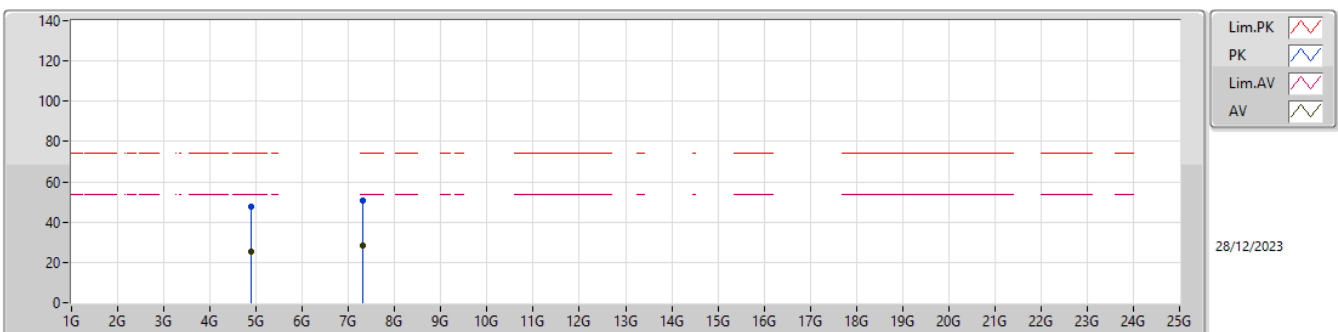
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88016G	23.61	54.00	-30.39	0.80	3	Vertical	35	2.35	22.81	32.80	5.33	37.33
AV	7.31953G	27.21	54.00	-26.79	7.28	3	Vertical	157	1.68	19.93	37.22	6.60	36.54
PK	4.88016G	46.11	74.00	-27.89	0.80	3	Vertical	35	2.35	45.31	32.80	5.33	37.33
PK	7.31953G	49.71	74.00	-24.29	7.28	3	Vertical	157	1.68	42.43	37.22	6.60	36.54

2.4-2.4835GHz_BT-BR(1Mbps)

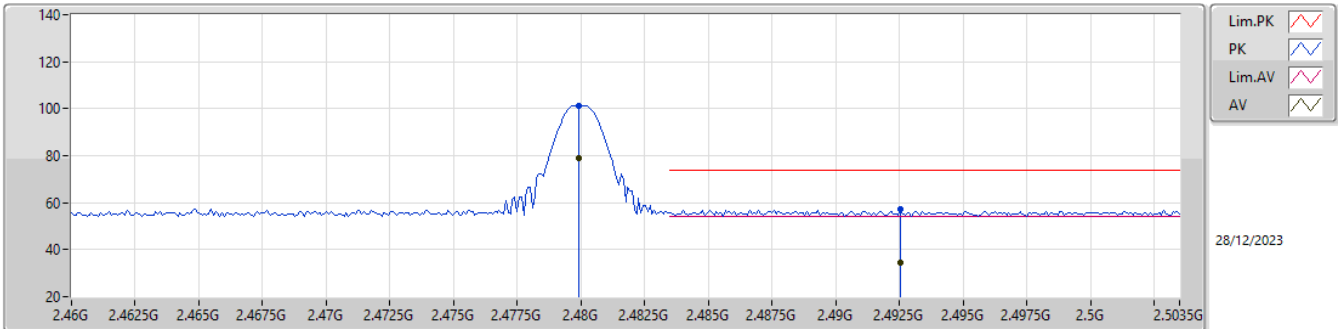
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88013G	25.07	54.00	-28.93	0.80	3	Horizontal	94	1.00	24.27	32.80	5.33	37.33
AV	7.32001G	28.40	54.00	-25.60	7.28	3	Horizontal	13	1.49	21.12	37.22	6.60	36.54
PK	4.88013G	47.57	74.00	-26.43	0.80	3	Horizontal	94	1.00	46.77	32.80	5.33	37.33
PK	7.32001G	50.90	74.00	-23.10	7.28	3	Horizontal	13	1.49	43.62	37.22	6.60	36.54

2.4-2.4835GHz_BT-BR(1Mbps)

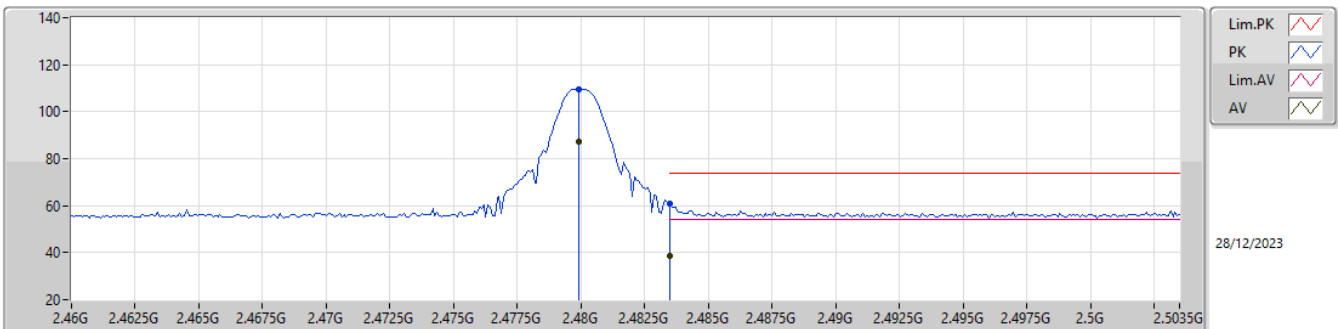
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.47992G	78.86	Inf	-Inf	31.50	3	Vertical	36	1.45	47.36	27.80	3.70	-
AV	2.49254G	34.70	54.00	-19.30	31.51	3	Vertical	36	1.45	3.19	27.80	3.71	-
PK	2.47992G	101.36	Inf	-Inf	31.50	3	Vertical	36	1.45	69.86	27.80	3.70	-
PK	2.49254G	57.20	74.00	-16.80	31.51	3	Vertical	36	1.45	25.69	27.80	3.71	-

2.4-2.4835GHz_BT-BR(1Mbps)

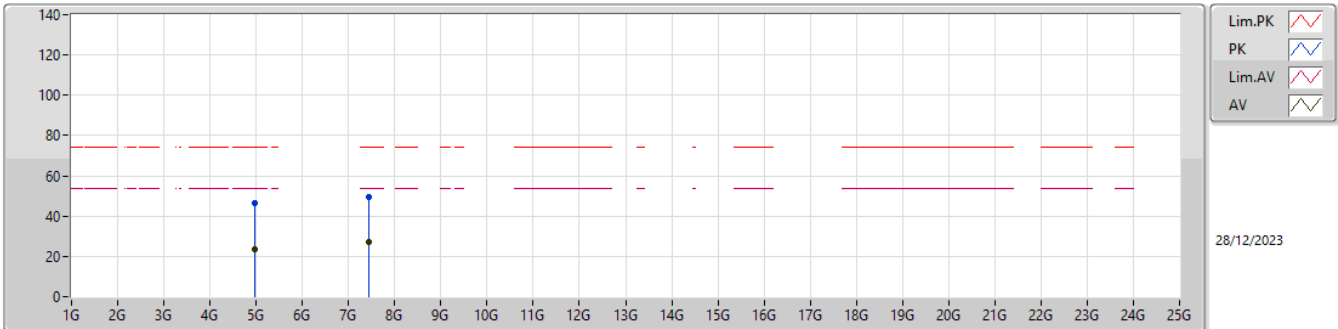
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.47992G	87.05	Inf	-Inf	31.50	3	Horizontal	36	2.57	55.55	27.80	3.70	-
AV	2.4835G	38.57	54.00	-15.43	31.51	3	Horizontal	36	2.57	7.06	27.80	3.71	-
PK	2.47992G	109.55	Inf	-Inf	31.50	3	Horizontal	36	2.57	78.05	27.80	3.70	-
PK	2.4835G	61.07	74.00	-12.93	31.51	3	Horizontal	36	2.57	29.56	27.80	3.71	-

2.4-2.4835GHz_BT-BR(1Mbps)

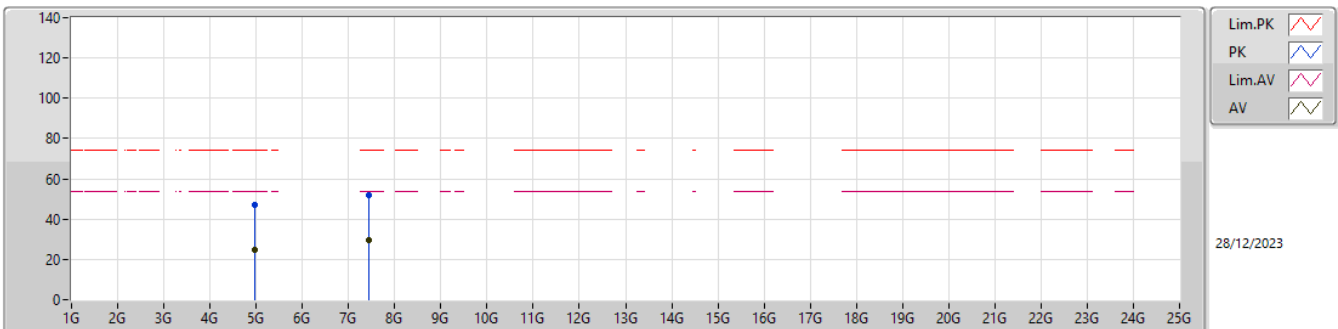
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.96016G	23.75	54.00	-30.25	1.28	3	Vertical	28	2.28	22.47	33.16	5.36	37.24
AV	7.44029G	26.86	54.00	-27.14	6.93	3	Vertical	154	1.59	19.93	36.72	6.72	36.51
PK	4.96016G	46.25	74.00	-27.75	1.28	3	Vertical	28	2.28	44.97	33.16	5.36	37.24
PK	7.44029G	49.36	74.00	-24.64	6.93	3	Vertical	154	1.59	42.43	36.72	6.72	36.51

2.4-2.4835GHz_BT-BR(1Mbps)

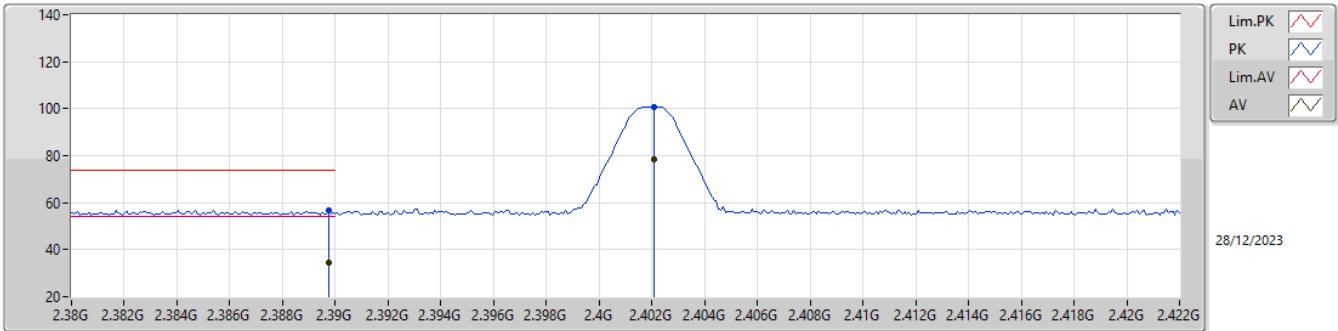
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95959G	24.79	54.00	-29.21	1.27	3	Horizontal	81	2.20	23.52	33.16	5.36	37.25
AV	7.44053G	29.34	54.00	-24.66	6.93	3	Horizontal	8	1.50	22.41	36.72	6.72	36.51
PK	4.95959G	47.29	74.00	-26.71	1.27	3	Horizontal	81	2.20	46.02	33.16	5.36	37.25
PK	7.44053G	51.84	74.00	-22.16	6.93	3	Horizontal	8	1.50	44.91	36.72	6.72	36.51

2.4-2.4835GHz_BT-EDR(3Mbps)

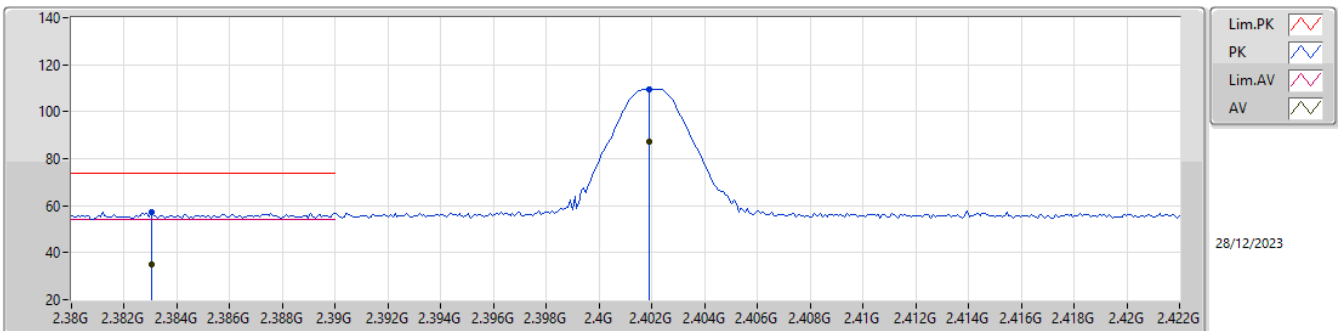
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.38974G	34.46	54.00	-19.54	31.23	3	Vertical	71	1.00	3.23	27.60	3.63	-
AV	2.40209G	78.23	Inf	-Inf	31.34	3	Vertical	71	1.00	46.89	27.70	3.64	-
PK	2.38974G	56.96	74.00	-17.04	31.23	3	Vertical	71	1.00	25.73	27.60	3.63	-
PK	2.40209G	100.73	Inf	-Inf	31.34	3	Vertical	71	1.00	69.39	27.70	3.64	-

2.4-2.4835GHz_BT-EDR(3Mbps)

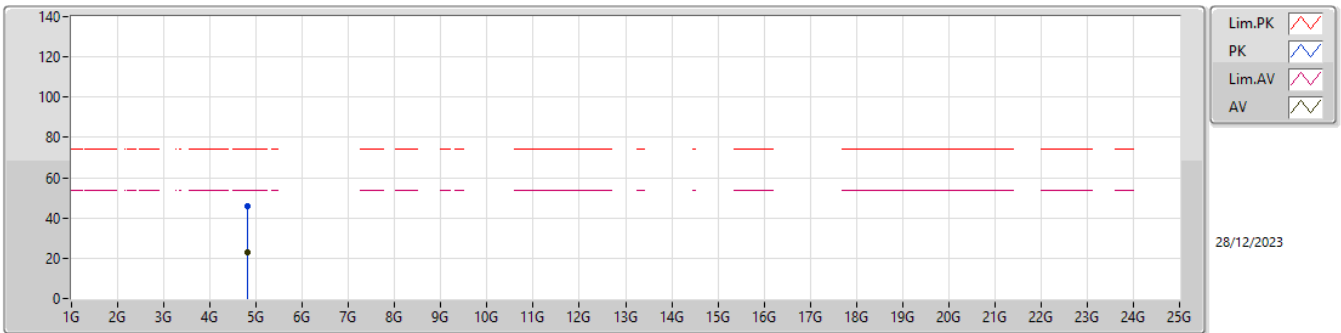
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.38302G	34.88	54.00	-19.12	31.16	3	Horizontal	67	2.77	3.72	27.53	3.63	-
AV	2.40192G	87.12	Inf	-Inf	31.34	3	Horizontal	67	2.77	55.78	27.70	3.64	-
PK	2.38302G	57.38	74.00	-16.62	31.16	3	Horizontal	67	2.77	26.22	27.53	3.63	-
PK	2.40192G	109.62	Inf	-Inf	31.34	3	Horizontal	67	2.77	78.28	27.70	3.64	-

2.4-2.4835GHz_BT-EDR(3Mbps)

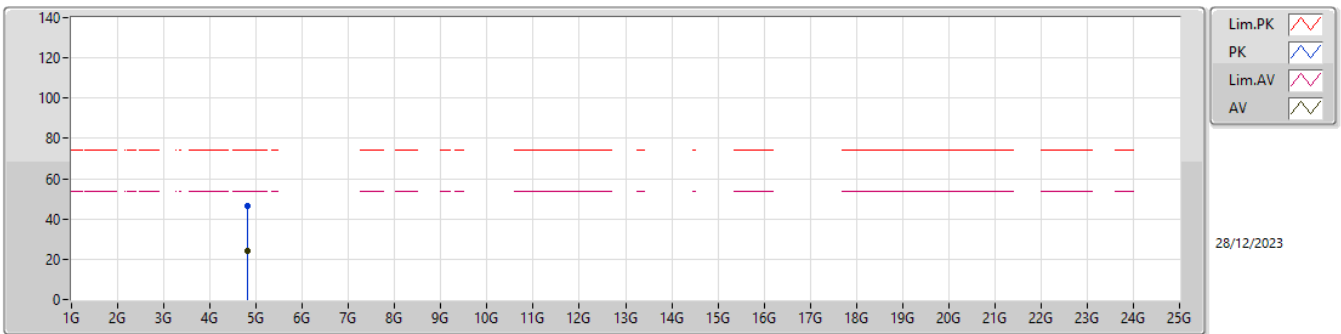
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80437G	23.13	54.00	-30.87	0.40	3	Vertical	41	2.27	22.73	32.53	5.29	37.42
PK	4.80437G	45.63	74.00	-28.37	0.40	3	Vertical	41	2.27	45.23	32.53	5.29	37.42

2.4-2.4835GHz_BT-EDR(3Mbps)

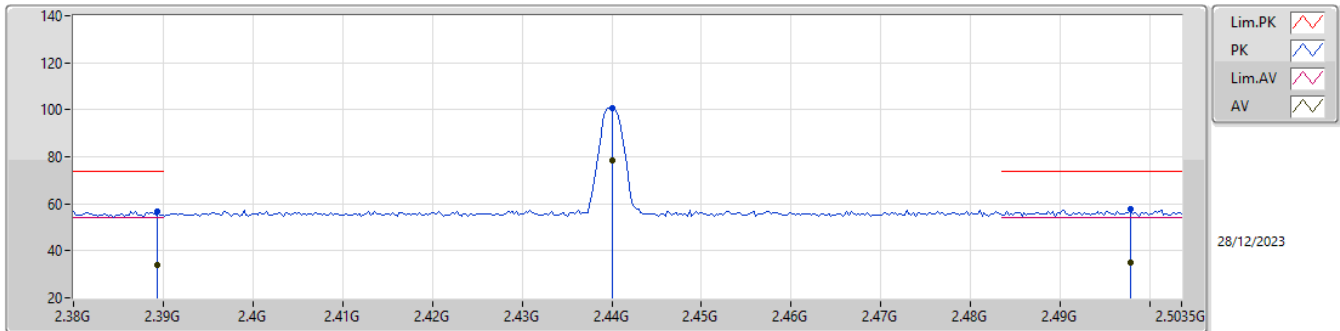
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80357G	24.03	54.00	-29.97	0.39	3	Horizontal	111	1.07	23.64	32.52	5.29	37.42
PK	4.80357G	46.53	74.00	-27.47	0.39	3	Horizontal	111	1.07	46.14	32.52	5.29	37.42

2.4-2.4835GHz_BT-EDR(3Mbps)

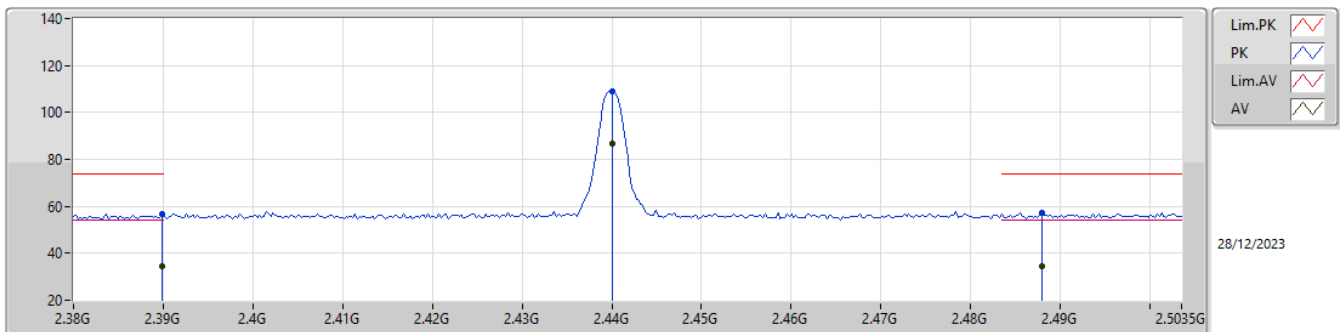
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.38939G	34.20	54.00	-19.80	31.22	3	Vertical	73	1.44	2.98	27.59	3.63	-
AV	2.44002G	78.44	Inf	-Inf	31.37	3	Vertical	73	1.44	47.07	27.70	3.67	-
AV	2.49782G	35.21	54.00	-18.79	31.52	3	Vertical	73	1.44	3.69	27.80	3.72	-
PK	2.38939G	56.70	74.00	-17.30	31.22	3	Vertical	73	1.44	25.48	27.59	3.63	-
PK	2.44002G	100.94	Inf	-Inf	31.37	3	Vertical	73	1.44	69.57	27.70	3.67	-
PK	2.49782G	57.71	74.00	-16.29	31.52	3	Vertical	73	1.44	26.19	27.80	3.72	-

2.4-2.4835GHz_BT-EDR(3Mbps)

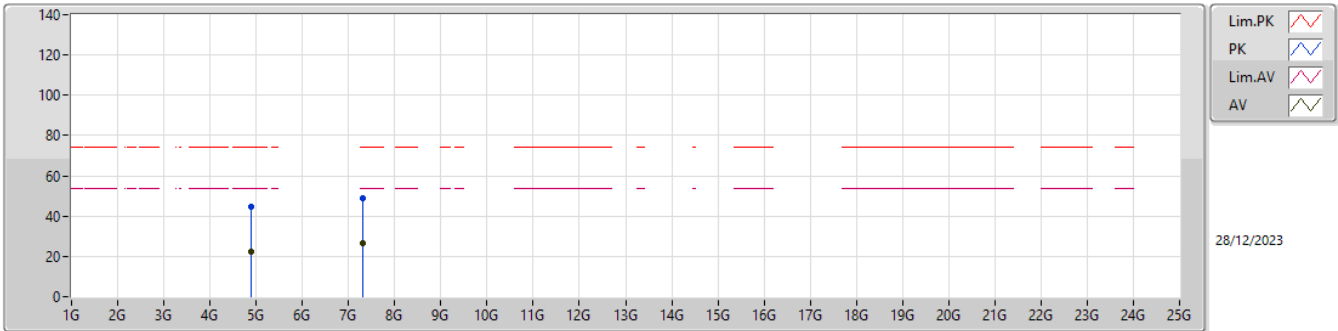
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.38988G	34.33	54.00	-19.67	31.23	3	Horizontal	53	1.50	3.10	27.60	3.63	-
AV	2.44002G	86.52	Inf	-Inf	31.37	3	Horizontal	53	1.50	55.15	27.70	3.67	-
AV	2.48794G	34.62	54.00	-19.38	31.51	3	Horizontal	53	1.50	3.11	27.80	3.71	-
PK	2.38988G	56.83	74.00	-17.17	31.23	3	Horizontal	53	1.50	25.60	27.60	3.63	-
PK	2.44002G	109.02	Inf	-Inf	31.37	3	Horizontal	53	1.50	77.65	27.70	3.67	-
PK	2.48794G	57.12	74.00	-16.88	31.51	3	Horizontal	53	1.50	25.61	27.80	3.71	-

2.4-2.4835GHz_BT-EDR(3Mbps)

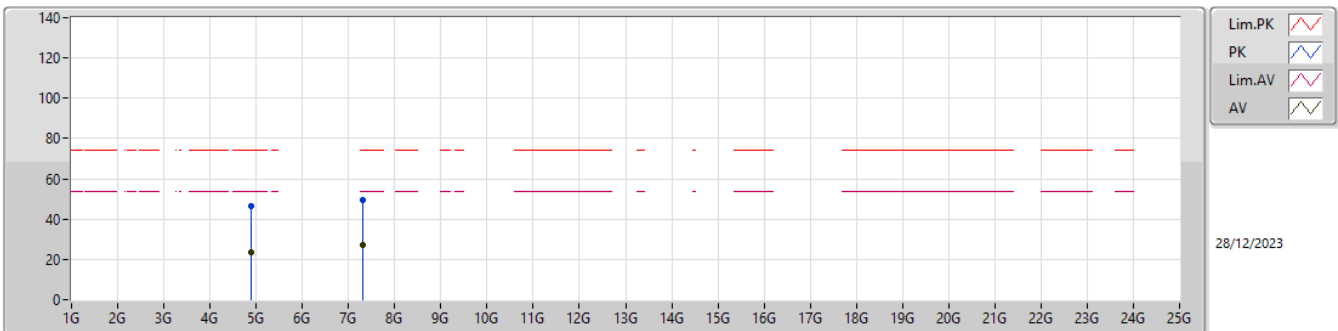
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88G	22.45	54.00	-31.55	0.80	3	Vertical	45	2.36	21.65	32.80	5.33	37.33
AV	7.32124G	26.29	54.00	-27.71	7.28	3	Vertical	148	1.50	19.01	37.22	6.60	36.54
PK	4.88G	44.95	74.00	-29.05	0.80	3	Vertical	45	2.36	44.15	32.80	5.33	37.33
PK	7.32124G	48.79	74.00	-25.21	7.28	3	Vertical	148	1.50	41.51	37.22	6.60	36.54

2.4-2.4835GHz_BT-EDR(3Mbps)

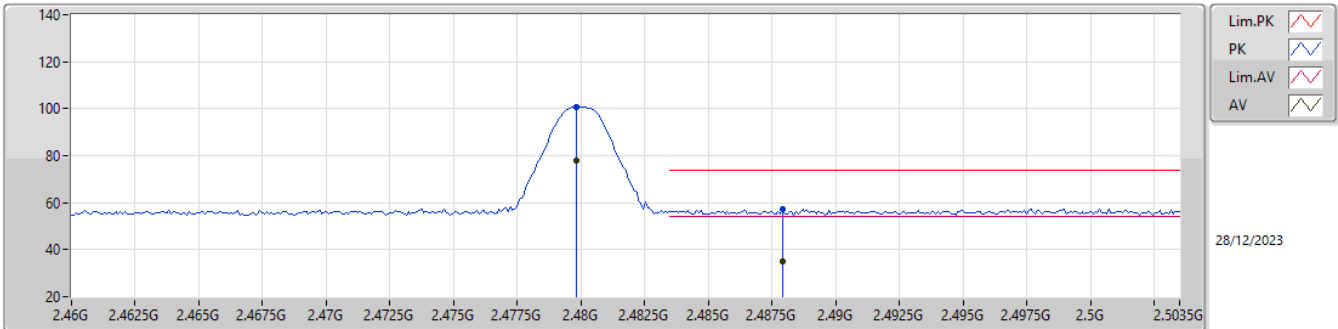
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88008G	23.79	54.00	-30.21	0.80	3	Horizontal	95	1.00	22.99	32.80	5.33	37.33
AV	7.31986G	26.95	54.00	-27.05	7.28	3	Horizontal	14	1.47	19.67	37.22	6.60	36.54
PK	4.88008G	46.29	74.00	-27.71	0.80	3	Horizontal	95	1.00	45.49	32.80	5.33	37.33
PK	7.31986G	49.45	74.00	-24.55	7.28	3	Horizontal	14	1.47	42.17	37.22	6.60	36.54

2.4-2.4835GHz_BT-EDR(3Mbps)

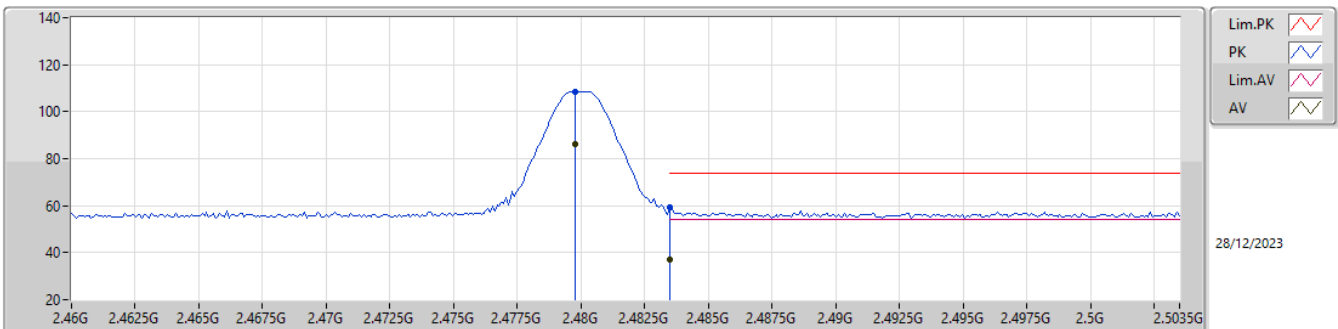
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.47984G	78.13	Inf	-Inf	31.50	3	Vertical	37	1.47	46.63	27.80	3.70	-
AV	2.48793G	34.95	54.00	-19.05	31.51	3	Vertical	37	1.47	3.44	27.80	3.71	-
PK	2.47984G	100.63	Inf	-Inf	31.50	3	Vertical	37	1.47	69.13	27.80	3.70	-
PK	2.48793G	57.45	74.00	-16.55	31.51	3	Vertical	37	1.47	25.94	27.80	3.71	-

2.4-2.4835GHz_BT-EDR(3Mbps)

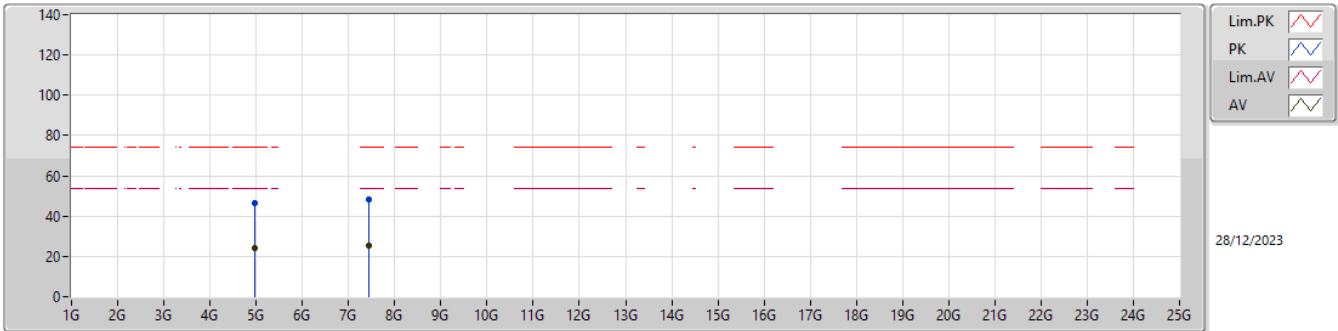
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.47975G	86.13	Inf	-Inf	31.50	3	Horizontal	36	2.58	54.63	27.80	3.70	-
AV	2.4835G	36.93	54.00	-17.07	31.51	3	Horizontal	36	2.58	5.42	27.80	3.71	-
PK	2.47975G	108.63	Inf	-Inf	31.50	3	Horizontal	36	2.58	77.13	27.80	3.70	-
PK	2.4835G	59.43	74.00	-14.57	31.51	3	Horizontal	36	2.58	27.92	27.80	3.71	-

2.4-2.4835GHz_BT-EDR(3Mbps)

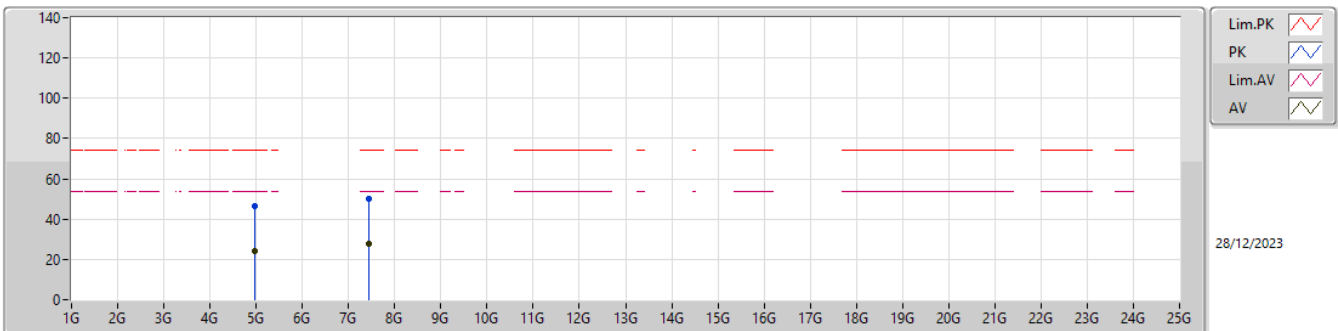
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.96023G	23.99	54.00	-30.01	1.28	3	Vertical	25	2.27	22.71	33.16	5.36	37.24
AV	7.44023G	25.62	54.00	-28.38	6.93	3	Vertical	353	1.50	18.69	36.72	6.72	36.51
PK	4.96023G	46.49	74.00	-27.51	1.28	3	Vertical	25	2.27	45.21	33.16	5.36	37.24
PK	7.44023G	48.12	74.00	-25.88	6.93	3	Vertical	353	1.50	41.19	36.72	6.72	36.51

2.4-2.4835GHz_BT-EDR(3Mbps)

2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.96022G	24.20	54.00	-29.80	1.28	3	Horizontal	84	2.23	22.92	33.16	5.36	37.24
AV	7.43961G	27.59	54.00	-26.41	6.93	3	Horizontal	6	1.50	20.66	36.72	6.72	36.51
PK	4.96022G	46.70	74.00	-27.30	1.28	3	Horizontal	84	2.23	45.42	33.16	5.36	37.24
PK	7.43961G	50.09	74.00	-23.91	6.93	3	Horizontal	6	1.50	43.16	36.72	6.72	36.51



Summary

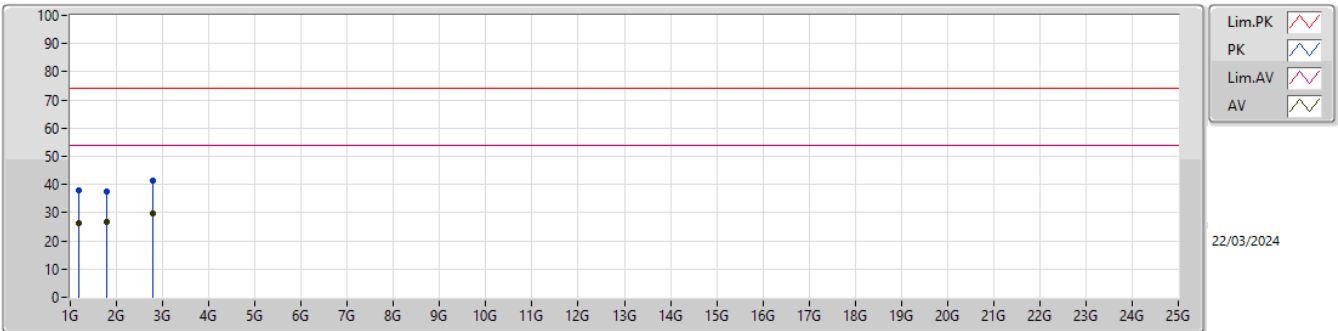
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	2.96825G	30.95	54.00	-23.05	Horizontal
Mode 2	Pass	AV	3.94919G	32.80	54.00	-21.20	Horizontal



Result

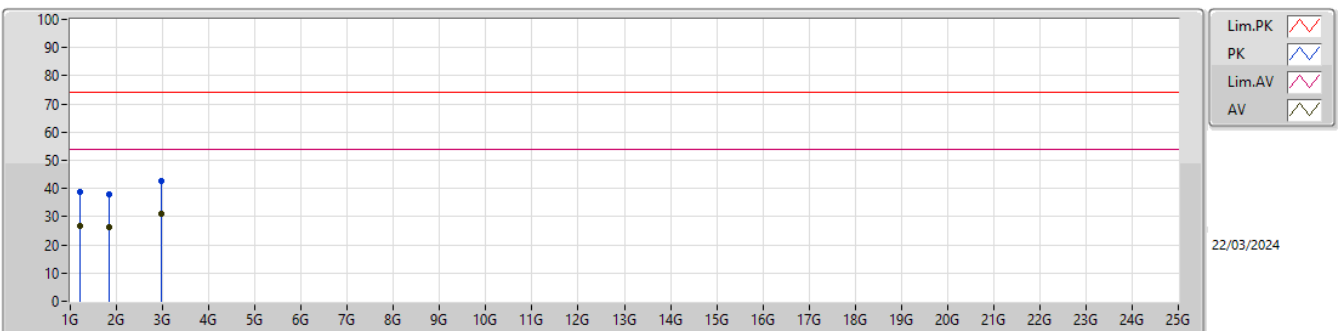
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	1.18936G	26.36	54.00	-27.64	3	Vertical	285	1.99
Mode 1	Pass	AV	1.79986G	26.92	54.00	-27.08	3	Vertical	143	2.59
Mode 1	Pass	AV	2.78902G	29.85	54.00	-24.15	3	Vertical	335	1.16
Mode 1	Pass	PK	1.18903G	37.94	74.00	-36.06	3	Vertical	285	1.99
Mode 1	Pass	PK	1.79286G	37.61	74.00	-36.39	3	Vertical	143	2.59
Mode 1	Pass	PK	2.7869G	41.47	74.00	-32.53	3	Vertical	335	1.16
Mode 1	Pass	AV	1.2029G	26.76	54.00	-27.24	3	Horizontal	184	1.72
Mode 1	Pass	AV	1.83312G	26.44	54.00	-27.56	3	Horizontal	186	1.12
Mode 1	Pass	AV	2.96825G	30.95	54.00	-23.05	3	Horizontal	224	1.51
Mode 1	Pass	PK	1.20232G	38.80	74.00	-35.20	3	Horizontal	184	1.72
Mode 1	Pass	PK	1.83468G	37.83	74.00	-36.17	3	Horizontal	186	1.12
Mode 1	Pass	PK	2.96219G	42.46	74.00	-31.54	3	Horizontal	224	1.51
Mode 2	Pass	AV	1.19439G	27.87	54.00	-26.13	3	Vertical	139	2.71
Mode 2	Pass	AV	1.9964G	25.73	68.20	-42.47	3	Vertical	114	2.92
Mode 2	Pass	AV	3.91103G	32.13	54.00	-21.87	3	Vertical	191	1.20
Mode 2	Pass	PK	1.19885G	40.07	74.00	-33.93	3	Vertical	139	2.71
Mode 2	Pass	PK	1.99643G	37.27	68.20	-30.93	3	Vertical	114	2.92
Mode 2	Pass	PK	3.90909G	43.75	74.00	-30.25	3	Vertical	191	1.20
Mode 2	Pass	AV	1.19205G	27.87	54.00	-26.13	3	Horizontal	82	2.96
Mode 2	Pass	AV	2.0071G	25.87	68.20	-42.33	3	Horizontal	285	2.70
Mode 2	Pass	AV	3.94919G	32.80	54.00	-21.20	3	Horizontal	42	1.44
Mode 2	Pass	PK	1.19803G	39.64	74.00	-34.36	3	Horizontal	82	2.96
Mode 2	Pass	PK	2.01066G	37.08	68.20	-31.12	3	Horizontal	285	2.70
Mode 2	Pass	PK	3.94327G	44.35	74.00	-29.65	3	Horizontal	42	1.44

Radiated Emissions above 1GHz_Mode 1



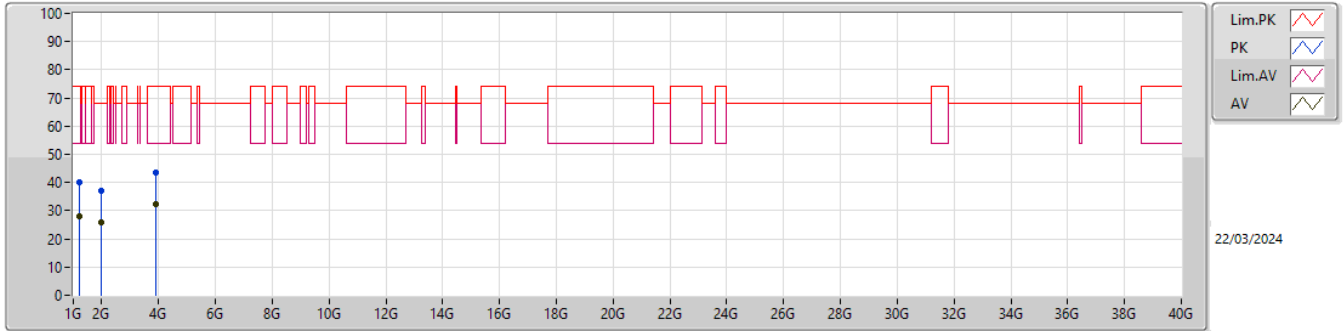
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.18936G	26.36	54.00	-27.64	-4.40	3	Vertical	285	1.99	30.76	25.99	3.69	34.08
AV	1.79986G	26.92	54.00	-27.08	-4.23	3	Vertical	143	2.59	31.15	24.90	4.51	33.64
AV	2.78902G	29.85	54.00	-24.15	0.34	3	Vertical	335	1.16	29.51	28.30	5.91	33.87
PK	1.18903G	37.94	74.00	-36.06	-4.40	3	Vertical	285	1.99	42.34	25.99	3.69	34.08
PK	1.79286G	37.61	74.00	-36.39	-4.17	3	Vertical	143	2.59	41.78	24.97	4.50	33.64
PK	2.7869G	41.47	74.00	-32.53	0.33	3	Vertical	335	1.16	41.14	28.30	5.90	33.87

Radiated Emissions above 1GHz_Mode 1



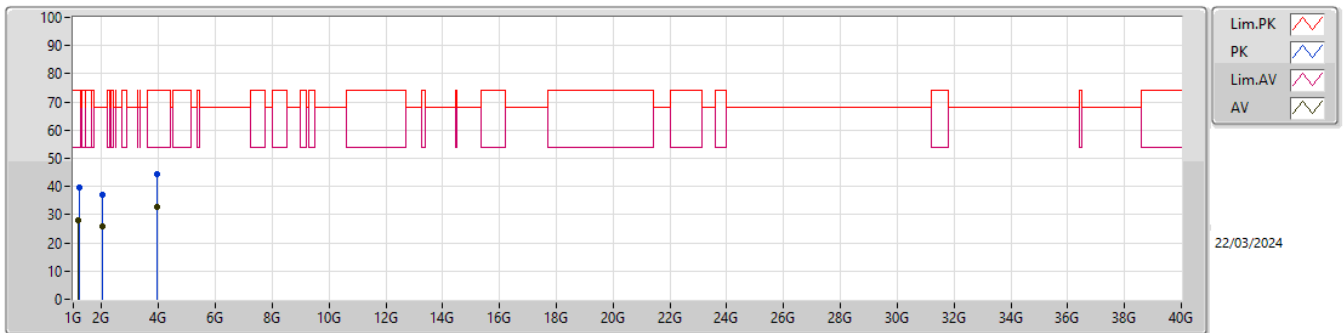
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.2029G	26.76	54.00	-27.24	-4.45	3	Horizontal	184	1.72	31.21	25.90	3.71	34.06
AV	1.83312G	26.44	54.00	-27.56	-3.84	3	Horizontal	186	1.12	30.28	25.23	4.57	33.64
AV	2.96825G	30.95	54.00	-23.05	1.33	3	Horizontal	224	1.51	29.62	29.18	6.16	34.01
PK	1.20232G	38.80	74.00	-35.20	-4.45	3	Horizontal	184	1.72	43.25	25.90	3.71	34.06
PK	1.83468G	37.83	74.00	-36.17	-3.82	3	Horizontal	186	1.12	41.65	25.25	4.57	33.64
PK	2.96219G	42.46	74.00	-31.54	1.27	3	Horizontal	224	1.51	41.19	29.12	6.15	34.00

Radiated Emissions above 1GHz_Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.19439G	27.87	54.00	-26.13	-4.41	3	Vertical	139	2.71	32.28	25.96	3.70	34.07
AV	1.9964G	25.73	68.20	-42.47	-2.28	3	Vertical	114	2.92	28.01	26.53	4.84	33.65
AV	3.91103G	32.13	54.00	-21.87	3.87	3	Vertical	191	1.20	28.26	30.78	7.11	34.02
PK	1.19885G	40.07	74.00	-33.93	-4.44	3	Vertical	139	2.71	44.51	25.91	3.71	34.06
PK	1.99643G	37.27	68.20	-30.93	-2.28	3	Vertical	114	2.92	39.55	26.53	4.84	33.65
PK	3.90909G	43.75	74.00	-30.25	3.86	3	Vertical	191	1.20	39.89	30.78	7.10	34.02

Radiated Emissions above 1GHz_Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.19205G	27.87	54.00	-26.13	-4.40	3	Horizontal	82	2.96	32.27	25.98	3.69	34.07
AV	2.0071G	25.87	68.20	-42.33	-1.91	3	Horizontal	285	2.70	27.78	26.88	4.86	33.65
AV	3.94919G	32.80	54.00	-21.20	3.87	3	Horizontal	42	1.44	28.93	30.70	7.18	34.01
PK	1.19803G	39.64	74.00	-34.36	-4.43	3	Horizontal	82	2.96	44.07	25.92	3.71	34.06
PK	2.01066G	37.08	68.20	-31.12	-1.77	3	Horizontal	285	2.70	38.85	27.01	4.87	33.65
PK	3.94327G	44.35	74.00	-29.65	3.87	3	Horizontal	42	1.44	40.48	30.71	7.17	34.01