




FCC Radio Test Report

FCC ID : 2BAFM-HU123
Equipment : Wearable Communication Device
Brand Name : Humane
Model Name : HU0123
Applicant : Humane, Inc.
969 Folsom Street San Francisco, CA 94107 United States
Manufacturer : Humane, Inc.
969 Folsom Street San Francisco, CA 94107 United States
Standard : 47 CFR FCC Part 15.247

The product was received on Apr. 27, 2023, and testing was started from May 12, 2023 and completed on Jun. 02, 2023. 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	-
-	15.207	AC Power-line Conducted Emissions	Not Required	Only employ battery power.
3.1	15.247(a)	DTS Bandwidth	PASS	-
3.2	15.247(b)	Maximum Conducted Output Power	PASS	-
3.3	15.247(e)	Power Spectral Density	PASS	-
3.4	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.5	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 Mode	Ch. Frequency (MHz)	Channel Number
2400-2483.5	LE	2402-2480	0-39 [40]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-LE(125kbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(500kbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(1Mbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	2.0	1TX

Note:

- ♦ Bluetooth LE uses a GFSK (125kbps /500kbps/1Mbps/2Mbps) modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Humane	13EP-5DQ1T01	PIFA antenna	Microwave wave Coaxial Connectors with Switch SWJ

Ant.	Gain (dBi)									
	V-Polarization					H-Polarization				
	2.4G	5G(MHz)			BT	2.4G	5G(MHz)			BT
		5200	5500	5775			5200	5500	5775	
1	-4.57	-2.66	-5.37	-4.88	-4.57	-4.63	-3.58	-4.88	-4.48	-4.63

For 2.4GHz function:

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

Ant. 1 could transmit/receive.

For BT function:

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

Ant. 1 could transmit/receive.

For 5GHz function:

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

Ant. 1 could transmit/receive.



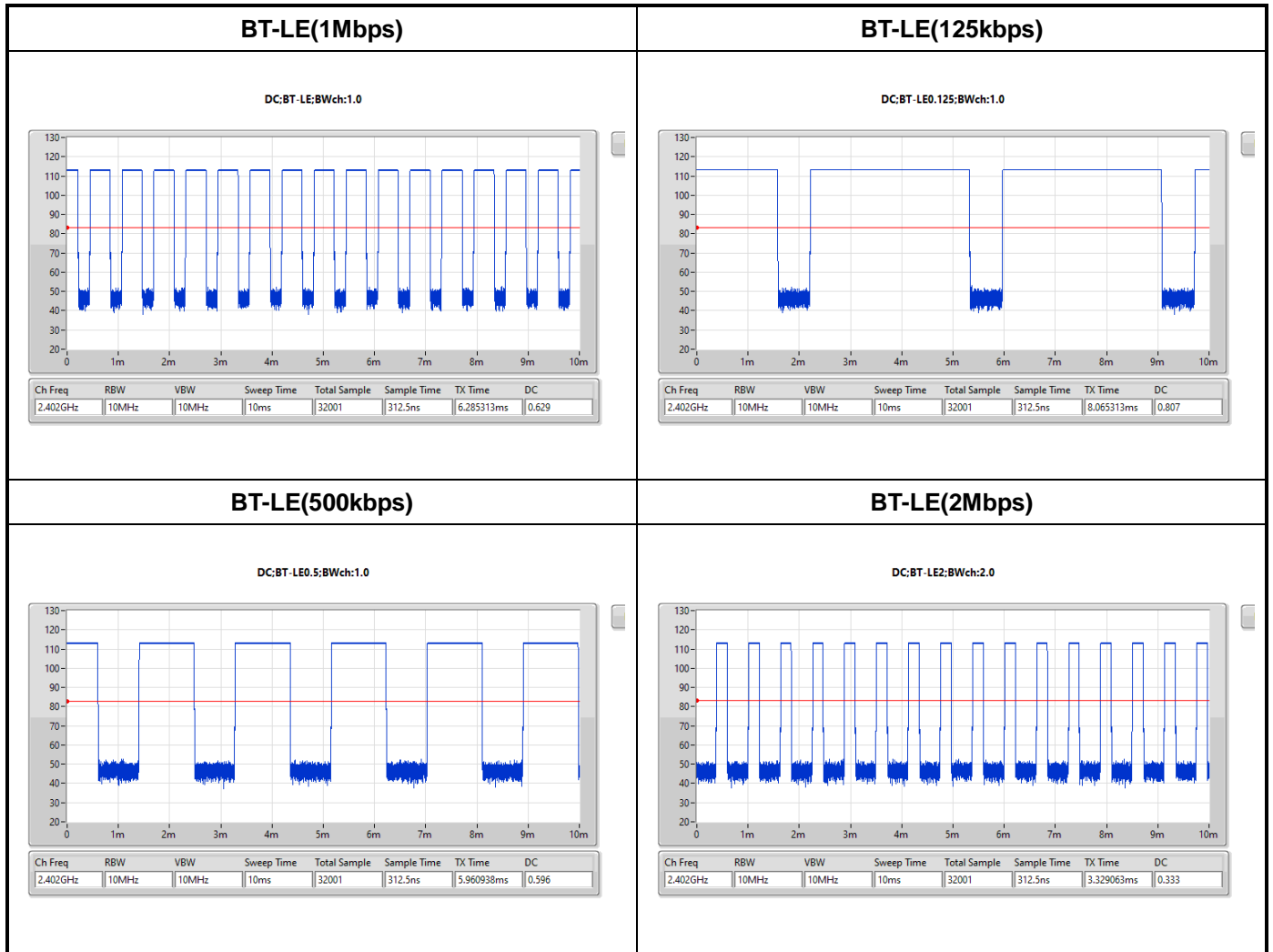
1.1.3 EUT Information

Operational Condition	
EUT Power Type	From AC Adapter / Host system / Battery
EUT Function	<input checked="" type="checkbox"/> Point-to-multipoint <input type="checkbox"/> Point-to-point
Type of EUT	
<input checked="" type="checkbox"/>	Stand-alone
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)
	Combined Equipment - Brand Name / Model No.: ...
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)
	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-LE(1Mbps)	0.629	2.01	392.813u	3k
BT-LE(125kbps)	0.807	0.93	3.105m	1k
BT-LE(500kbps)	0.596	2.25	1.072m	1k
BT-LE(2Mbps)	0.333	4.78	208.125u	10k

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



1.2 Testing Applied Standards

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

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

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

- ◆ KDB 558074 D01 v05r02
- ◆ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<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
RF Conducted	TH01-HY	Luby hsu	22.6~23.4°C / 50~52%	16/May/2023
Radiated	03CH02-HY	Daniel Lin	23.4~24.9°C / 52~55%	12/May/2023~27/May/2023
Radiated (Co-location)	03CH02-HY	Daniel Lin	22.1~23.2°C / 54~62%	02/Jun/2023
<input type="checkbox"/>	Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)		
		TEL: 886-3-318-0787	FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	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%
Receiver Radiated Unwanted Emissions	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_conn.win.1.0_installer_00089.1
------------------------------	--------------------------------------

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default
BT-LE(2Mbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default
BT-LE(125kbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default
BT-LE(500kbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter + Charge Pad 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
Operating Mode	Normal Link
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

2.3 Accessories

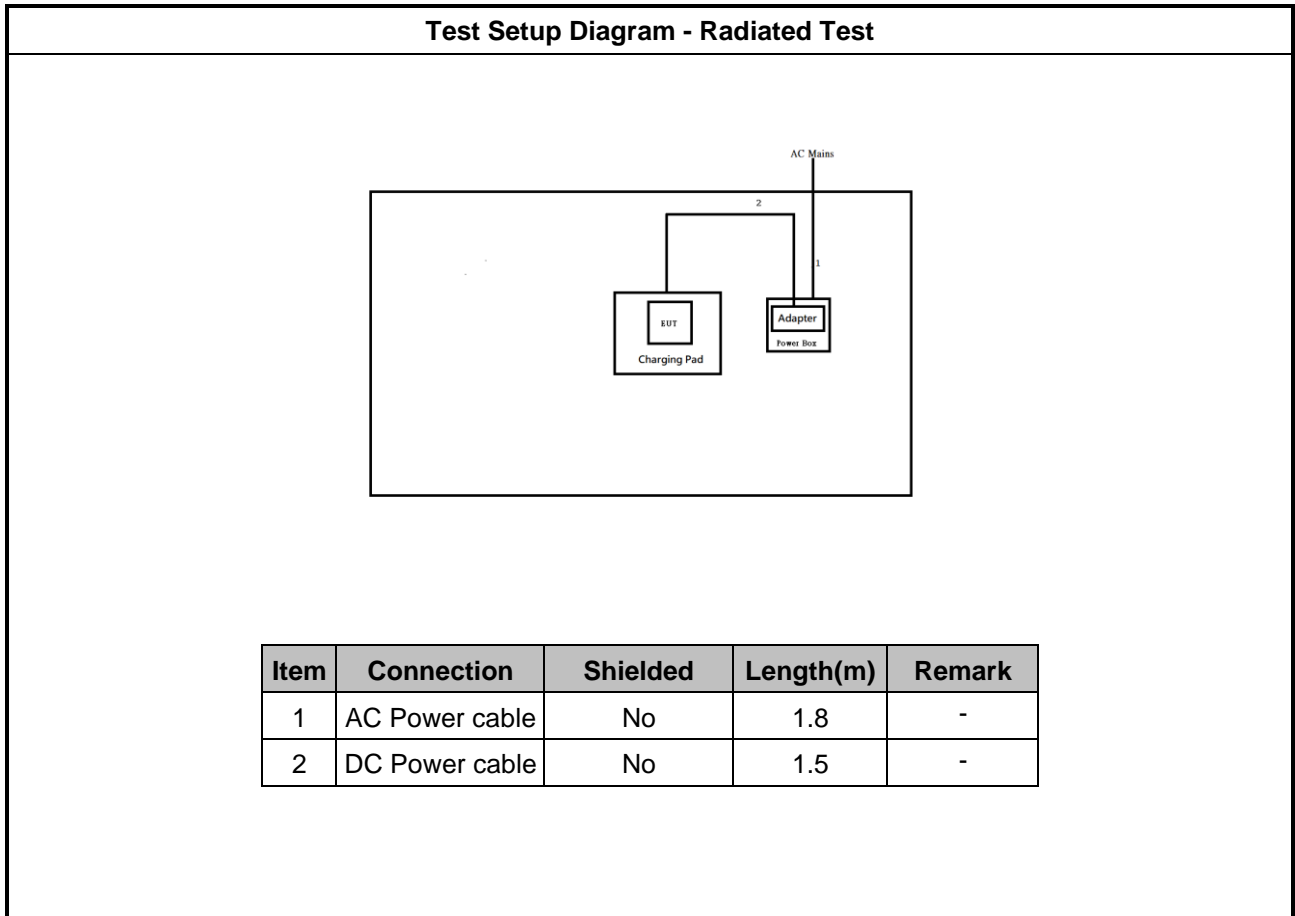
Accessories				
AC Adapter	Brand Name	Humane	Model Name	HU0423
	Power Rating	I/P: 100 – 240 V, 50-60 Hz 0.3 A, O/P: 5.0 V, 1.5 A, 7.5 W		
Battery	Brand Name	Li-Shen	Model Name	DAKP292233SA
	Power Rating	3.87 Vdc, 281 mAh	Type	Li-ion
Charge Pad	Brand Name	Humane	Model Name	HU0323
	Power Rating	I/P: 5 V, 1.5 A, O/P: 5 V, 1.5 A		
USB Cable	Brand Name	Humane	Model Name	HU0523
	DC Power Cable	1.2 meter, Braiding Cable, with back shield		
Wireless Charger	Brand Name	Humane	Model Name	HU0223

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

2.4 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	DC Power Supply	GW	GPS-3030DD	-	-
4	USB Digital Tester	JUWEI	J7-c	-	-

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 DTS Bandwidth

3.1.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
<ul style="list-style-type: none"> ▪ 6 dB bandwidth \geq 500 kHz.

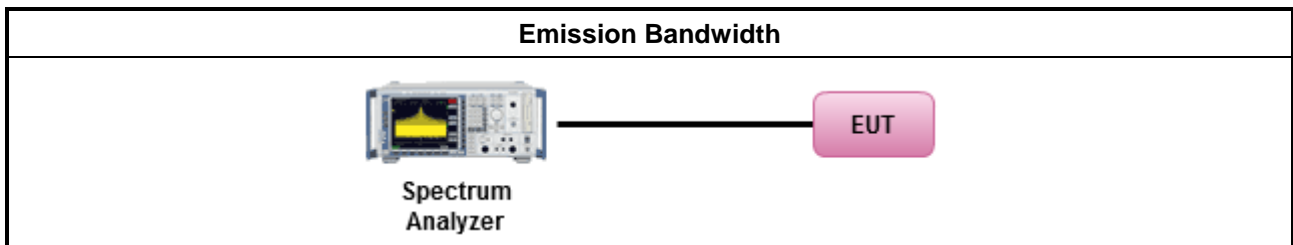
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/> Refer as KDB 558074, clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
<input type="checkbox"/> Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	<ul style="list-style-type: none"> ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS):
	<ul style="list-style-type: none"> - Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:	
	<ul style="list-style-type: none"> ▪ 2400-2483.5 MHz Band
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS)
	<ul style="list-style-type: none"> - Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	<ul style="list-style-type: none"> - Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

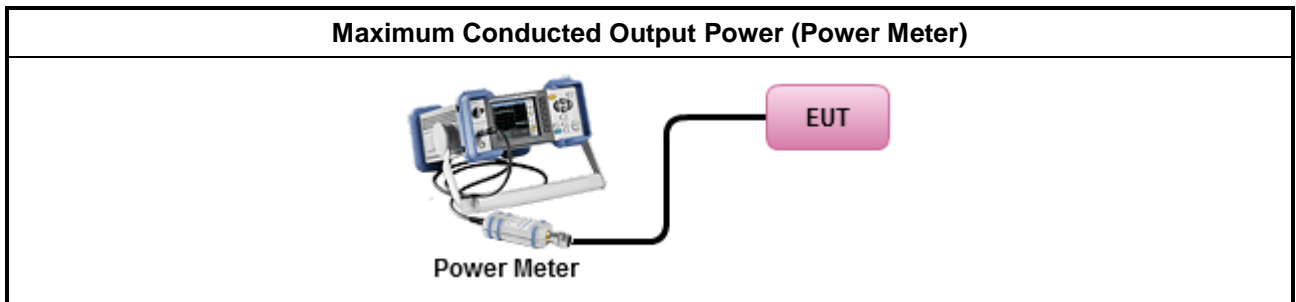
3.2.2 Measuring Instruments

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"> ▪ Maximum Peak Conducted Output Power 	
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
<ul style="list-style-type: none"> ▪ Maximum Average Conducted Output Power 	
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them. 	
<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$ 	

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Power Spectral Density

3.3.1 Power Spectral Density Limit

Power Spectral Density Limit
<ul style="list-style-type: none"> Power Spectral Density (PSD) ≤ 8 dBm/3kHz

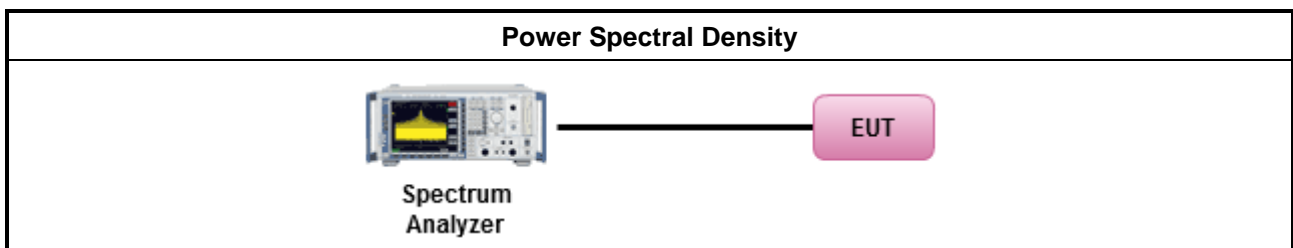
3.3.2 Measuring Instruments

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"> Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option). 	
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
<ul style="list-style-type: none"> For conducted measurement. <ul style="list-style-type: none"> If The EUT supports multiple transmit chains using options given below: <ul style="list-style-type: none"> Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace. 	

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Refer as Appendix C

3.4 Emissions in Non-restricted Frequency Bands

3.4.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30

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 level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.

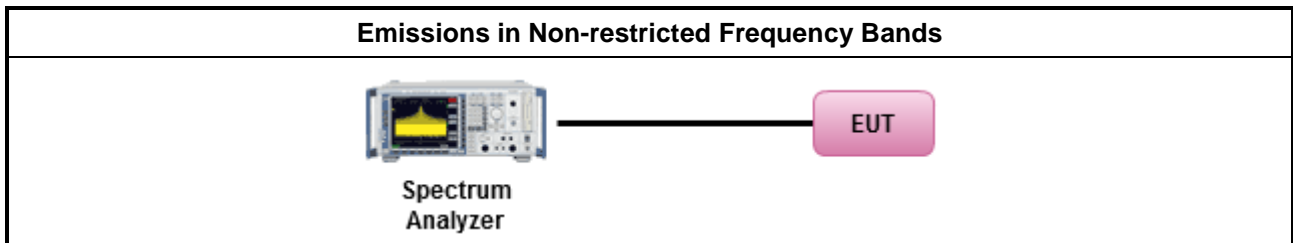
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.

3.4.4 Test Setup



3.4.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix D

3.5 Emissions in Restricted Frequency Bands

3.5.1 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.

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

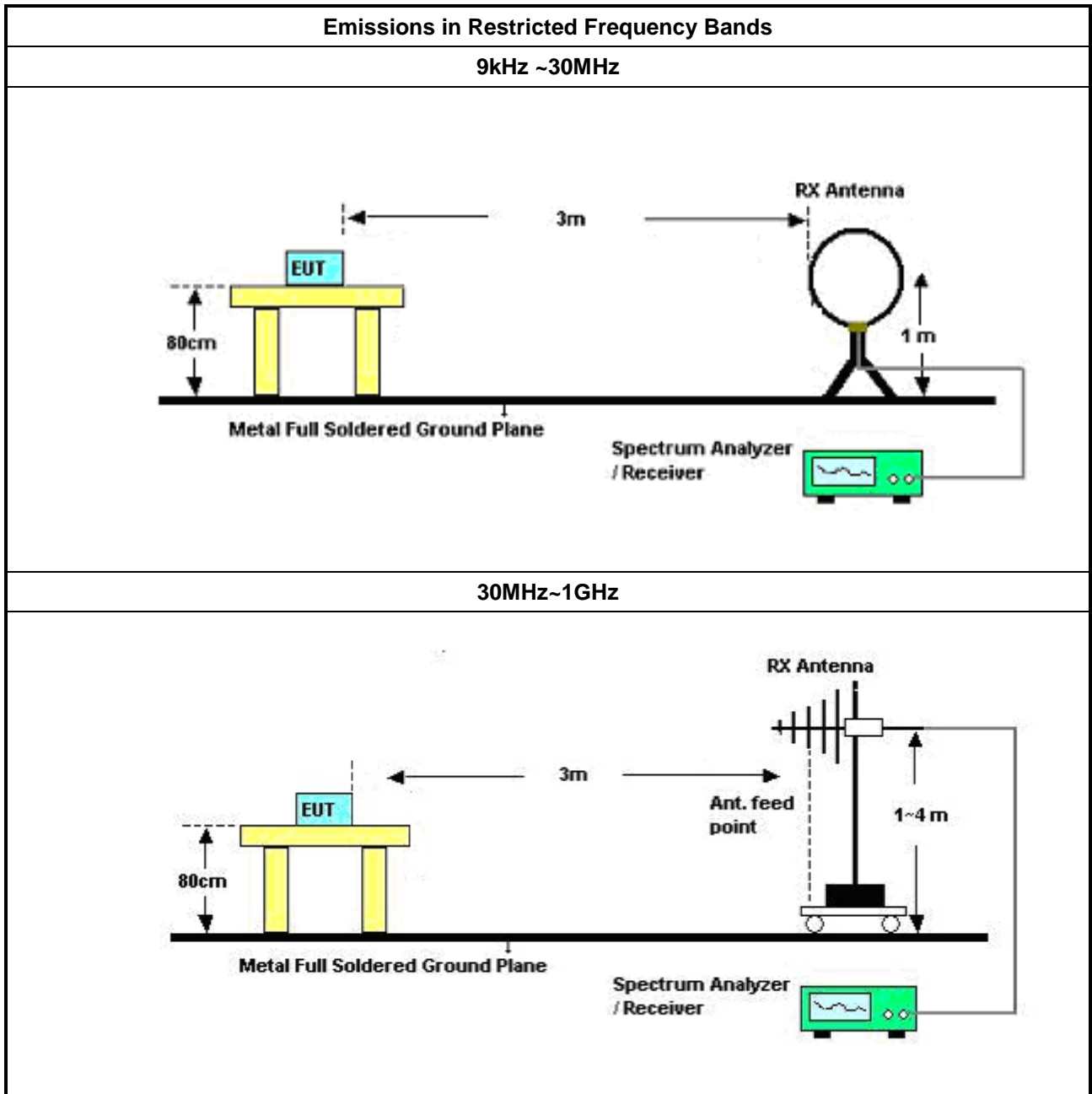
Test Method	
	<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel 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 KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
	<ul style="list-style-type: none"> ▪ For the transmitter band-edge emissions shall be measured using following options below:
	<ul style="list-style-type: none"> ▪ Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	<ul style="list-style-type: none"> ▪ Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> ▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
	<ul style="list-style-type: none"> ▪ Use the following spectrum analyzer settings:
	<ul style="list-style-type: none"> ▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	<ul style="list-style-type: none"> ▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as ANSI C63.10, clause 11.12.2.5.3, VBW=1/T. For the duty cycle, please refer to 1.1.4.
	<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.

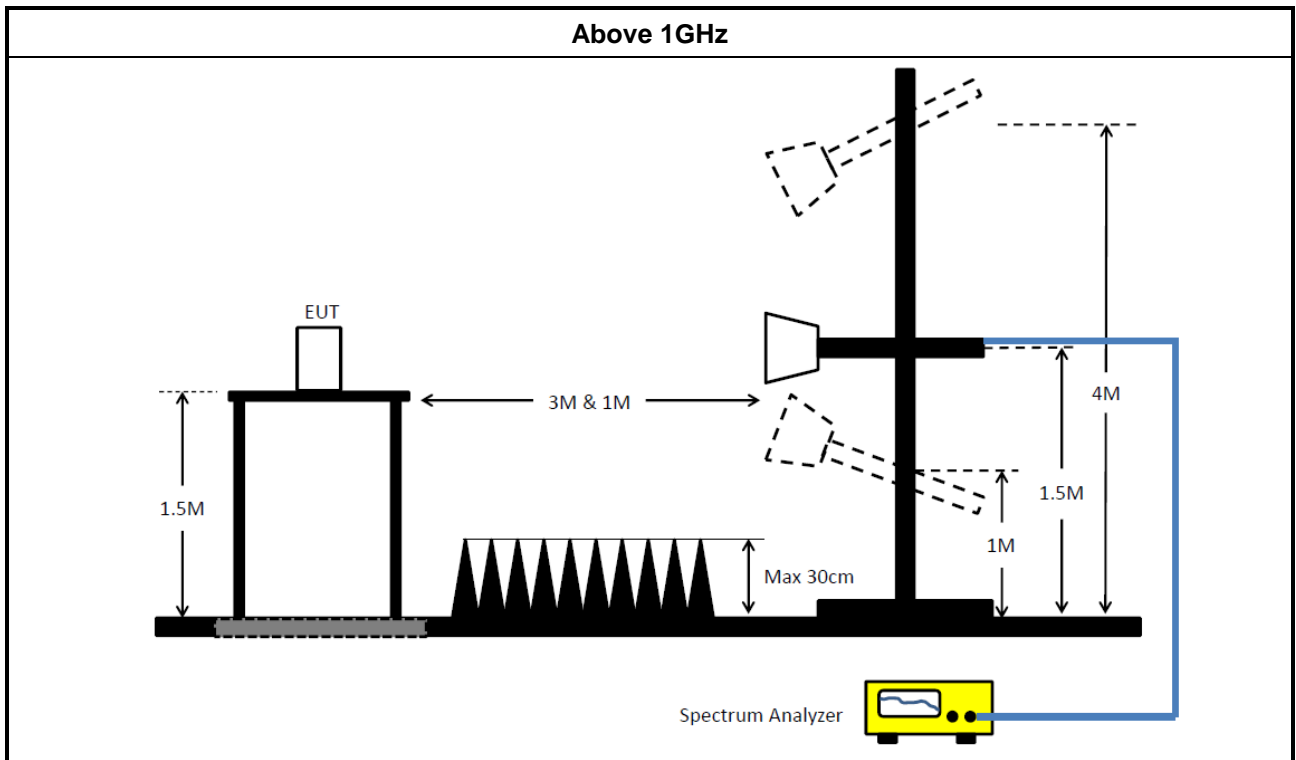
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.5 Test Setup





3.5.6 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.

3.5.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	10/Apr/2023	09/Apr/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	15/Feb/2023	14/Feb/2024
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	15/Feb/2023	14/Feb/2024
SENSE-15247_FS	Sporton	V5.11.1	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	31/Jul/2022	30/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	17/Mar/2023	16/Mar/2024
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	28/Jun/2022	27/Jun/2023
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	9kHz~30MHz	20/Dec/2022	19/Dec/2023
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	30MHz~1GHz	20/Dec/2022	19/Dec/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	03CH02-cable-01	1GHz~40GHz	10/Feb/2023	09/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	25/Mar/2023	24/Mar/2024
Microwave Prempplier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	16/Mar/2023	15/Mar/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	30/May/2022	29/May/2023



Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	17/Mar/2023	16/Mar/2024
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	03CH02-cable-01	1GHz~40GHz	10/Feb/2023	09/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	25/Mar/2023	24/Mar/2024
Microwave Prempplier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	16/Mar/2023	15/Mar/2024



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	663.75k	1.029M	1M03F1D	662.5k	1.028M
BT-LE(125kbps)	606.25k	1.062M	1M06F1D	603.75k	1.054M
BT-LE(500kbps)	662.5k	1.023M	1M02F1D	658.75k	1.021M
BT-LE(2Mbps)	1.138M	2.039M	2M04F1D	1.125M	2.034M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	663.75k	1.028M
2440MHz	Pass	500k	662.5k	1.028M
2480MHz	Pass	500k	662.5k	1.029M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.125M	2.039M
2440MHz	Pass	500k	1.138M	2.034M
2480MHz	Pass	500k	1.135M	2.036M
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	500k	603.75k	1.062M
2440MHz	Pass	500k	606.25k	1.056M
2480MHz	Pass	500k	605k	1.054M
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	500k	658.75k	1.021M
2440MHz	Pass	500k	662.5k	1.022M
2480MHz	Pass	500k	658.75k	1.023M

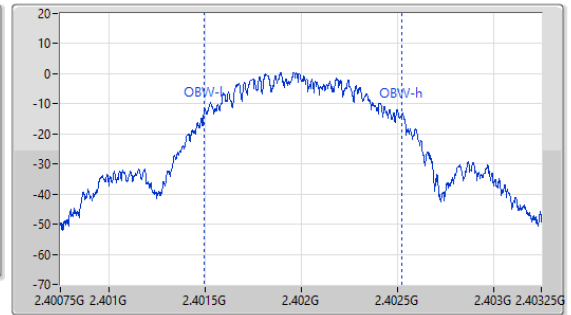
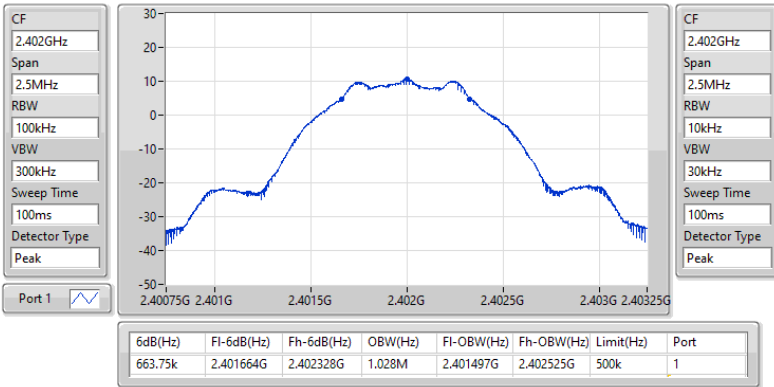
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2402MHz

16/05/2023

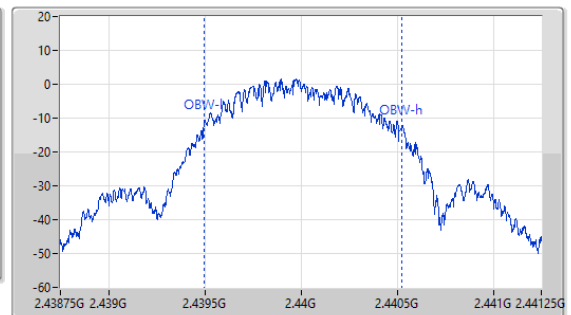
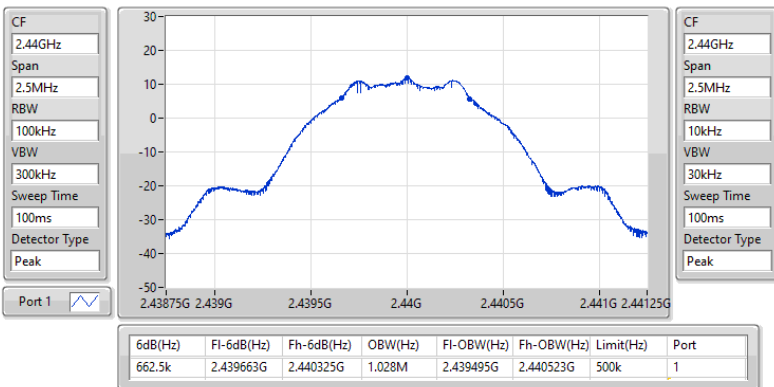


2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2440MHz

16/05/2023

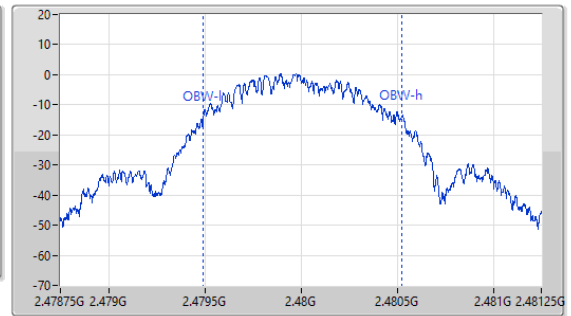
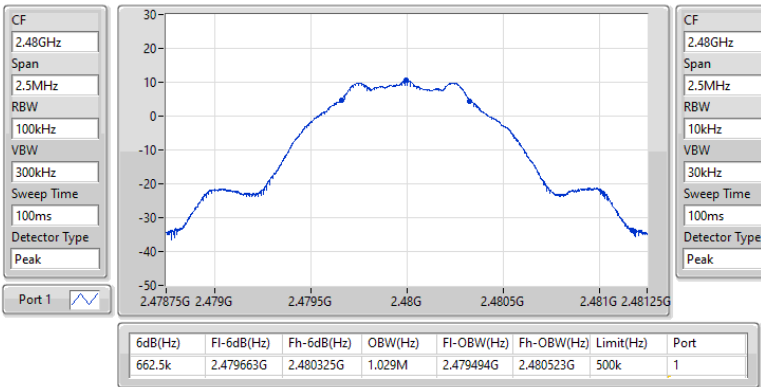


2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2480MHz

16/05/2023

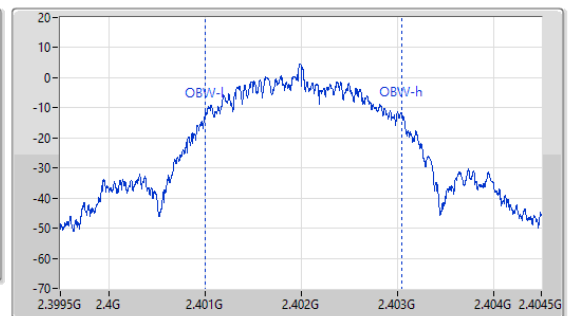
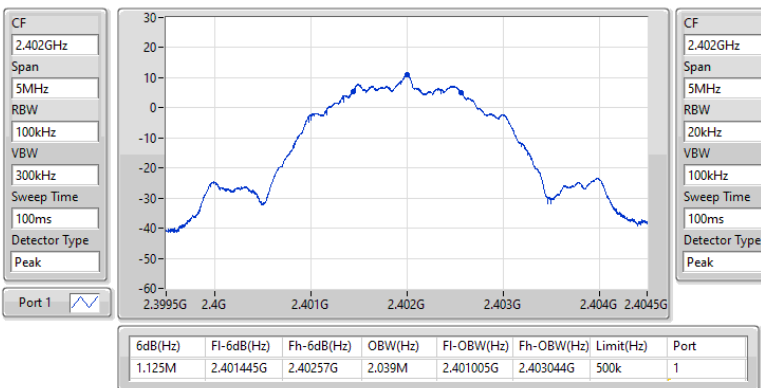


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2402MHz

16/05/2023

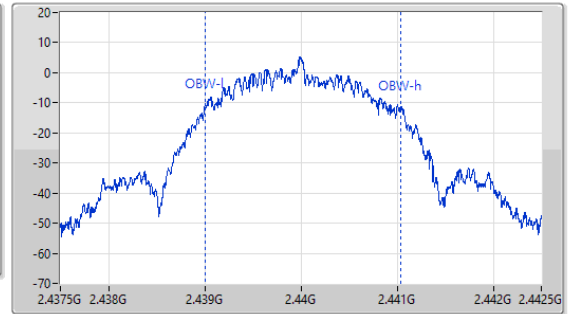
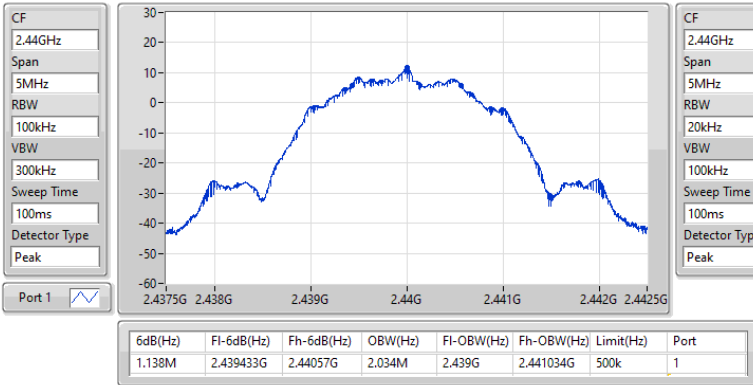


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2440MHz

16/05/2023

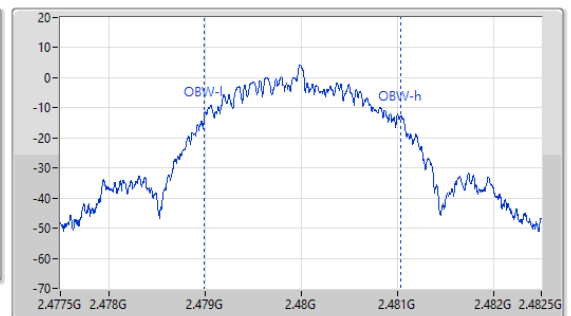
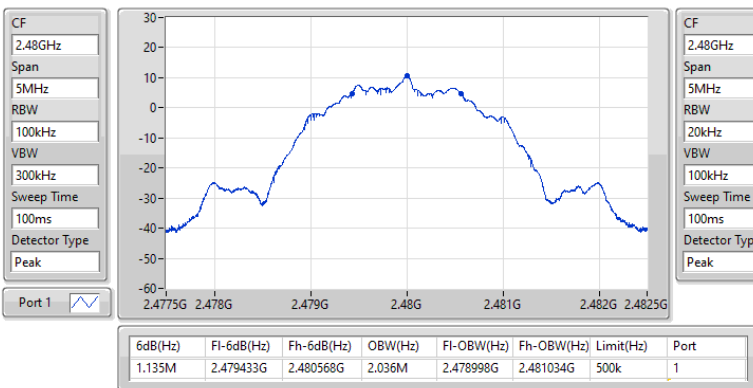


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

2480MHz

16/05/2023

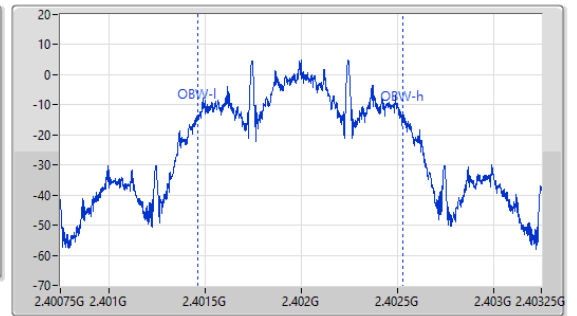
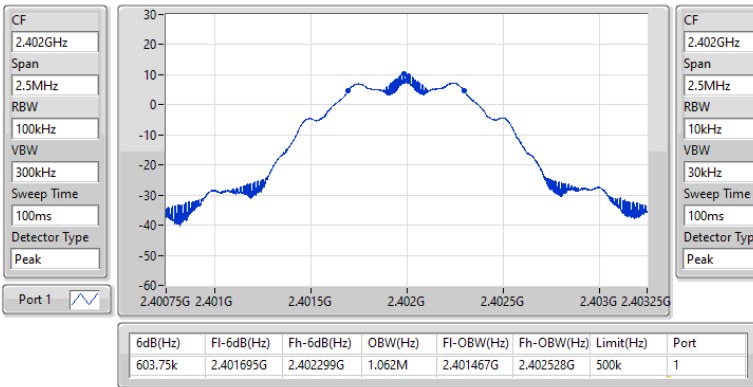


2.4-2.4835GHz_BT-LE(125kbps)

EBW-DTS

2402MHz

16/05/2023

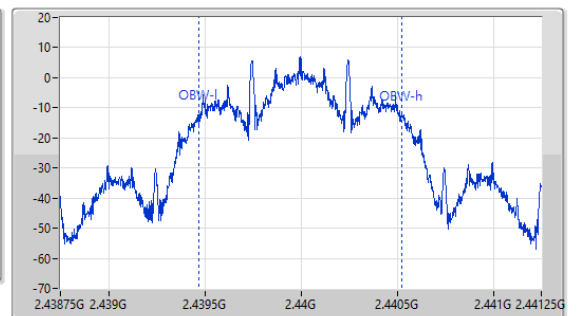
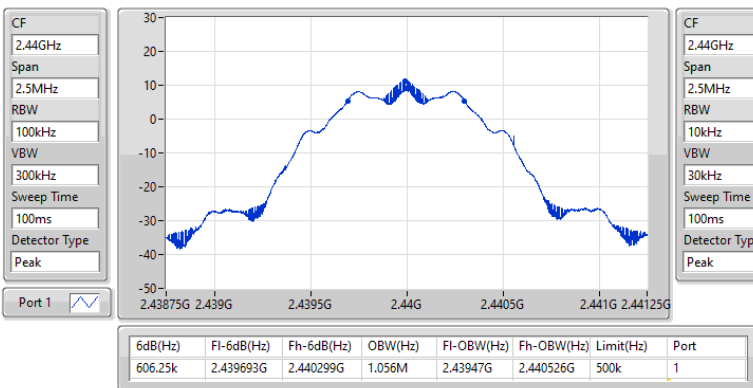


2.4-2.4835GHz_BT-LE(125kbps)

EBW-DTS

2440MHz

16/05/2023

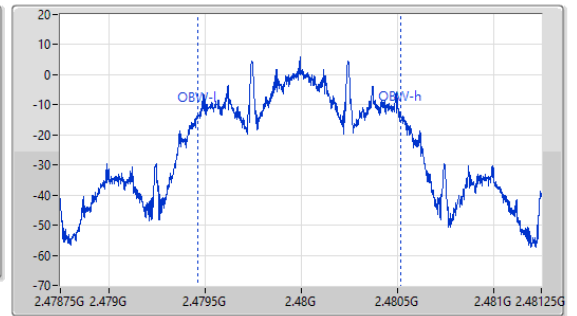
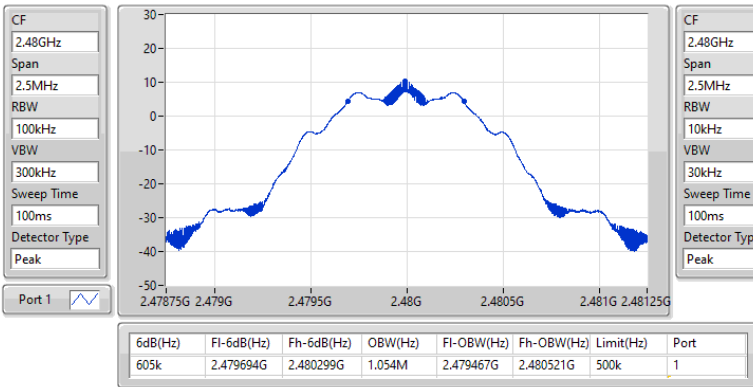


2.4-2.4835GHz_BT-LE(125kbps)

EBW-DTS

2480MHz

16/05/2023

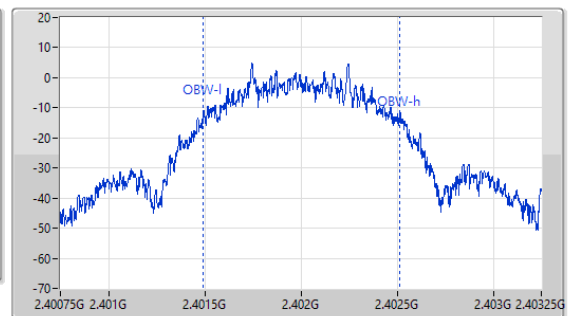
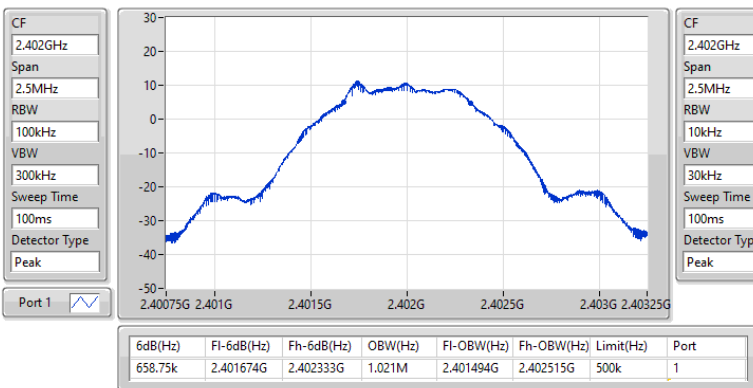


2.4-2.4835GHz_BT-LE(500kbps)

EBW-DTS

2402MHz

16/05/2023

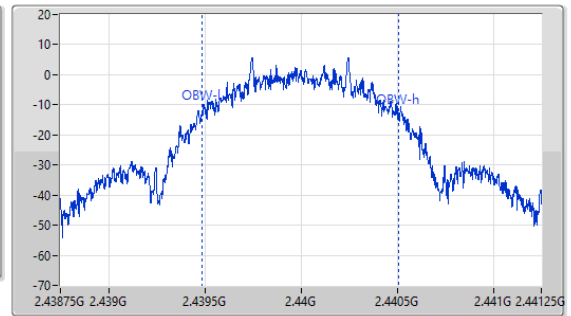
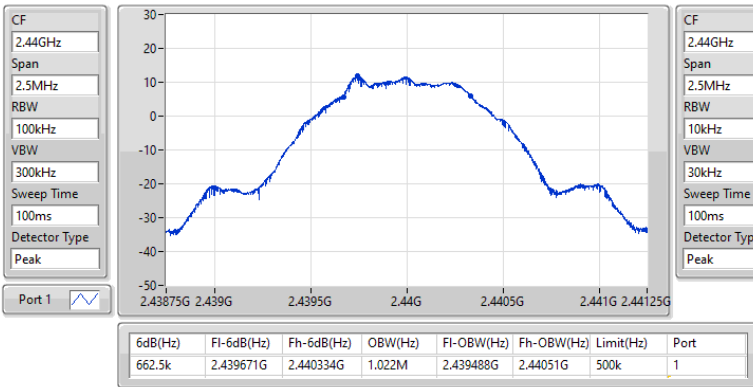


2.4-2.4835GHz_BT-LE(500kbps)

EBW-DTS

2440MHz

16/05/2023

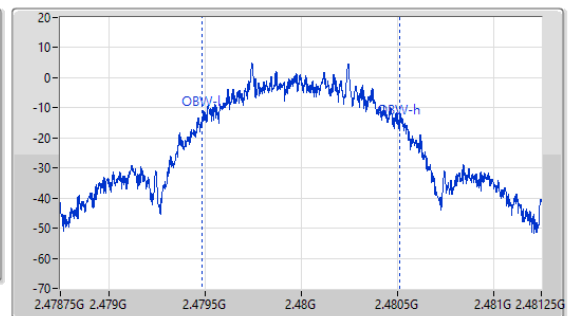
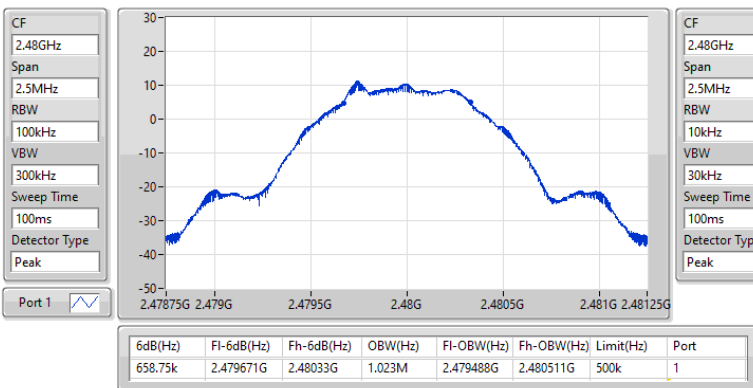


2.4-2.4835GHz_BT-LE(500kbps)

EBW-DTS

2480MHz

16/05/2023





Summary

Mode	Total Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	11.59	0.01442
BT-LE(125kbps)	11.67	0.01469
BT-LE(500kbps)	11.64	0.01459
BT-LE(2Mbps)	11.31	0.01352



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	-4.57	10.34	30.00
2440MHz	Pass	-4.57	11.59	30.00
2480MHz	Pass	-4.57	10.19	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	-4.57	10.27	30.00
2440MHz	Pass	-4.57	11.31	30.00
2480MHz	Pass	-4.57	10.16	30.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	-4.57	10.56	30.00
2440MHz	Pass	-4.57	11.67	30.00
2480MHz	Pass	-4.57	10.47	30.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	-4.57	10.55	30.00
2440MHz	Pass	-4.57	11.64	30.00
2480MHz	Pass	-4.57	10.45	30.00

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



Summary

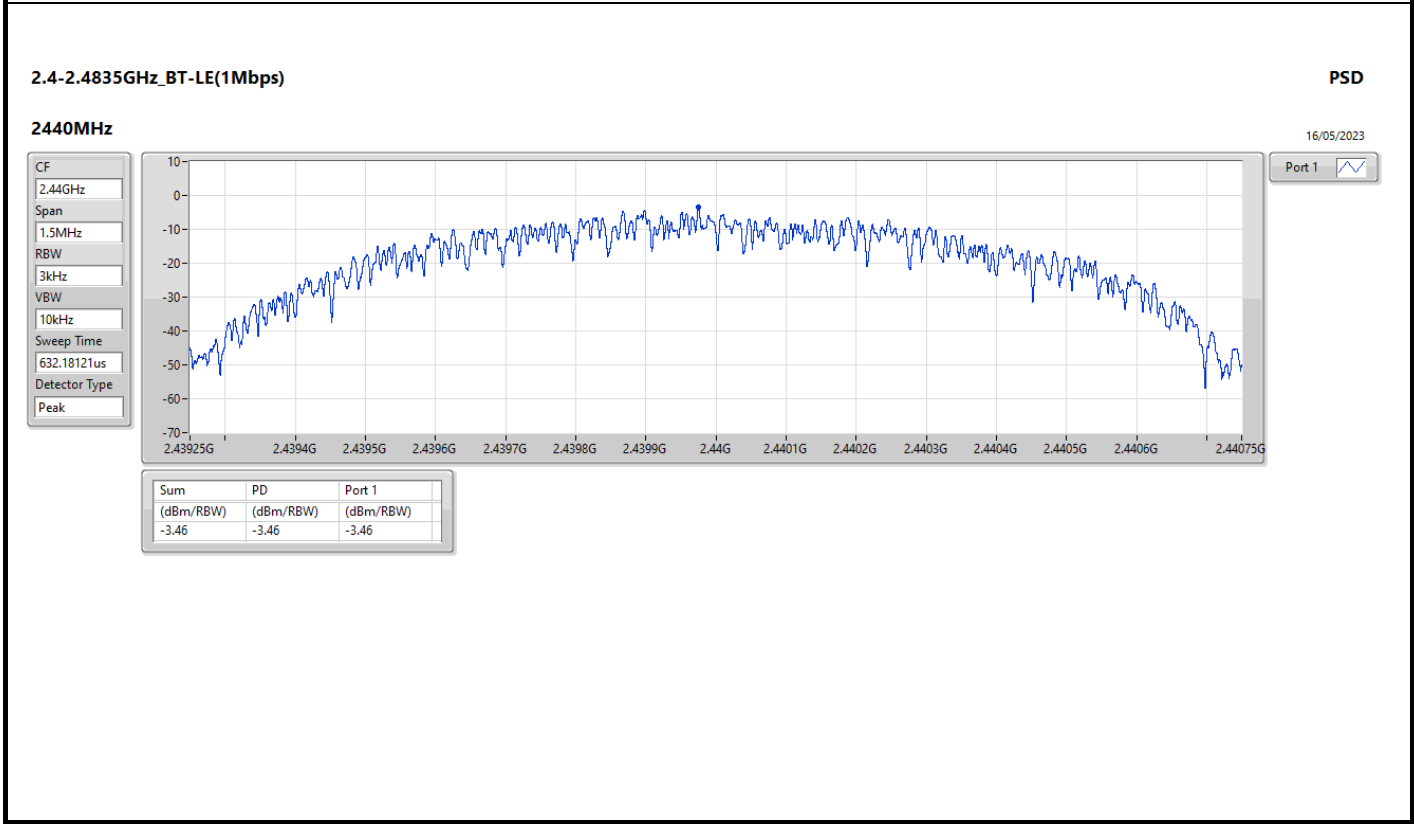
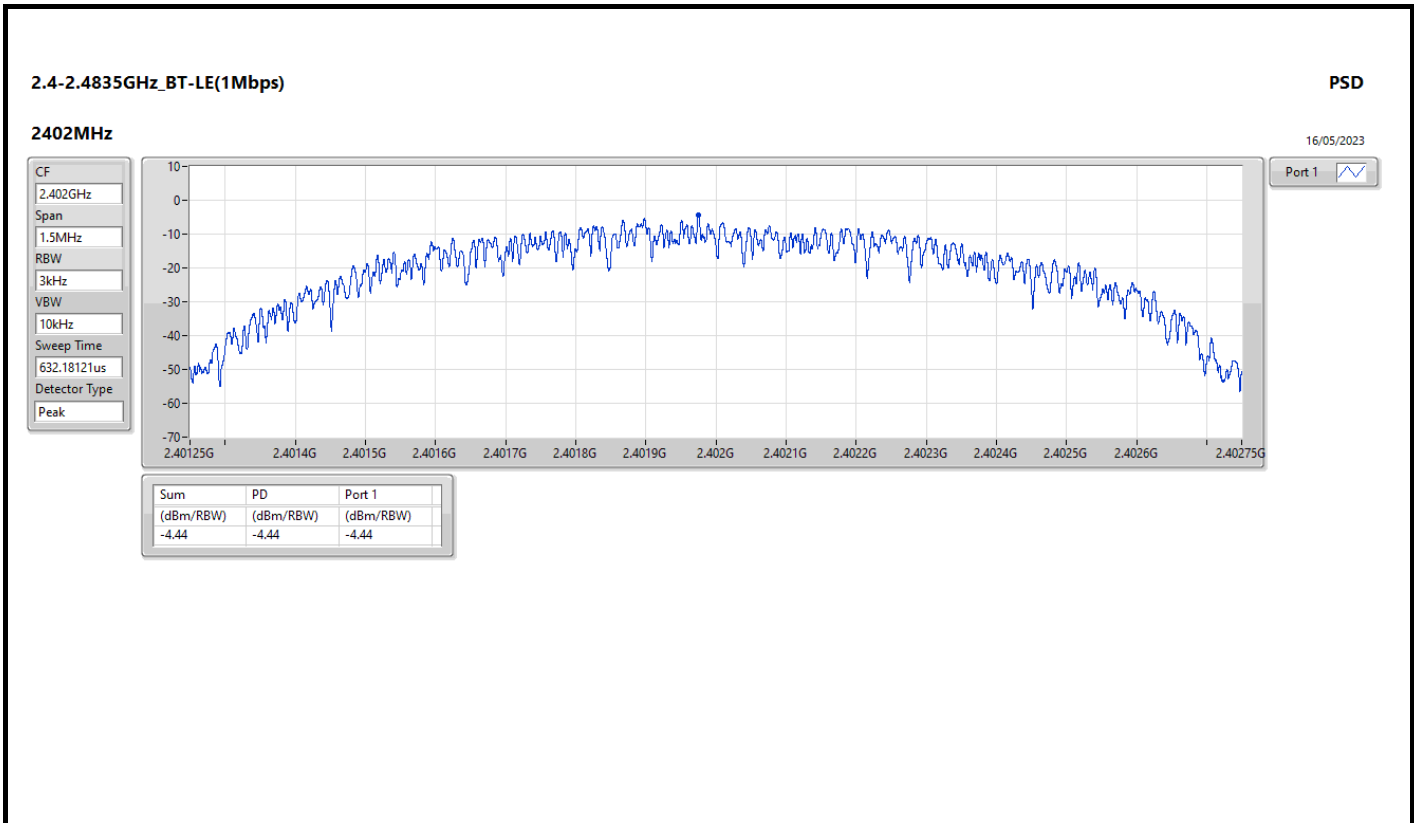
Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-3.46
BT-LE(125kbps)	5.61
BT-LE(500kbps)	5.42
BT-LE(2Mbps)	-7.57

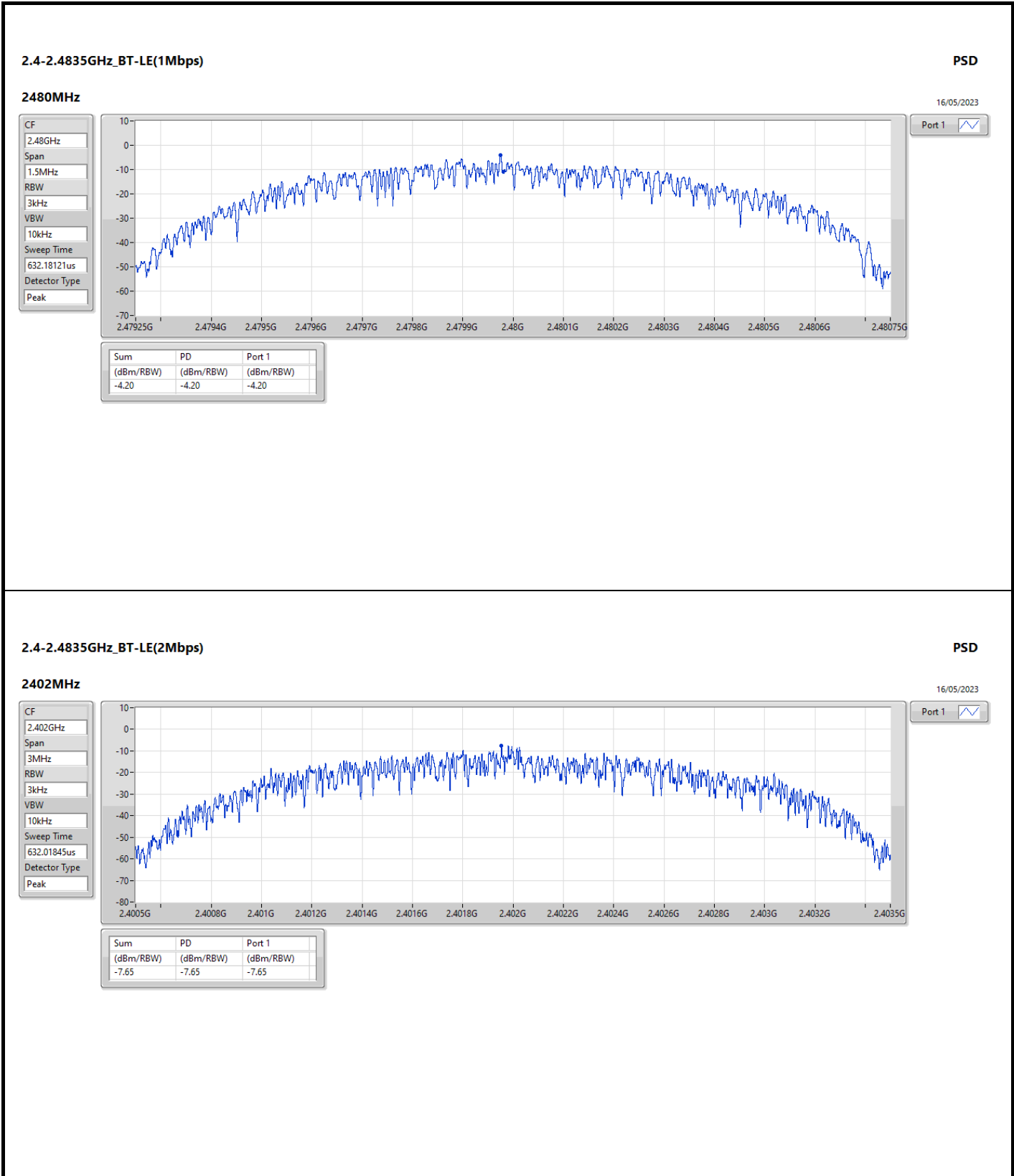
RBW = 3kHz;

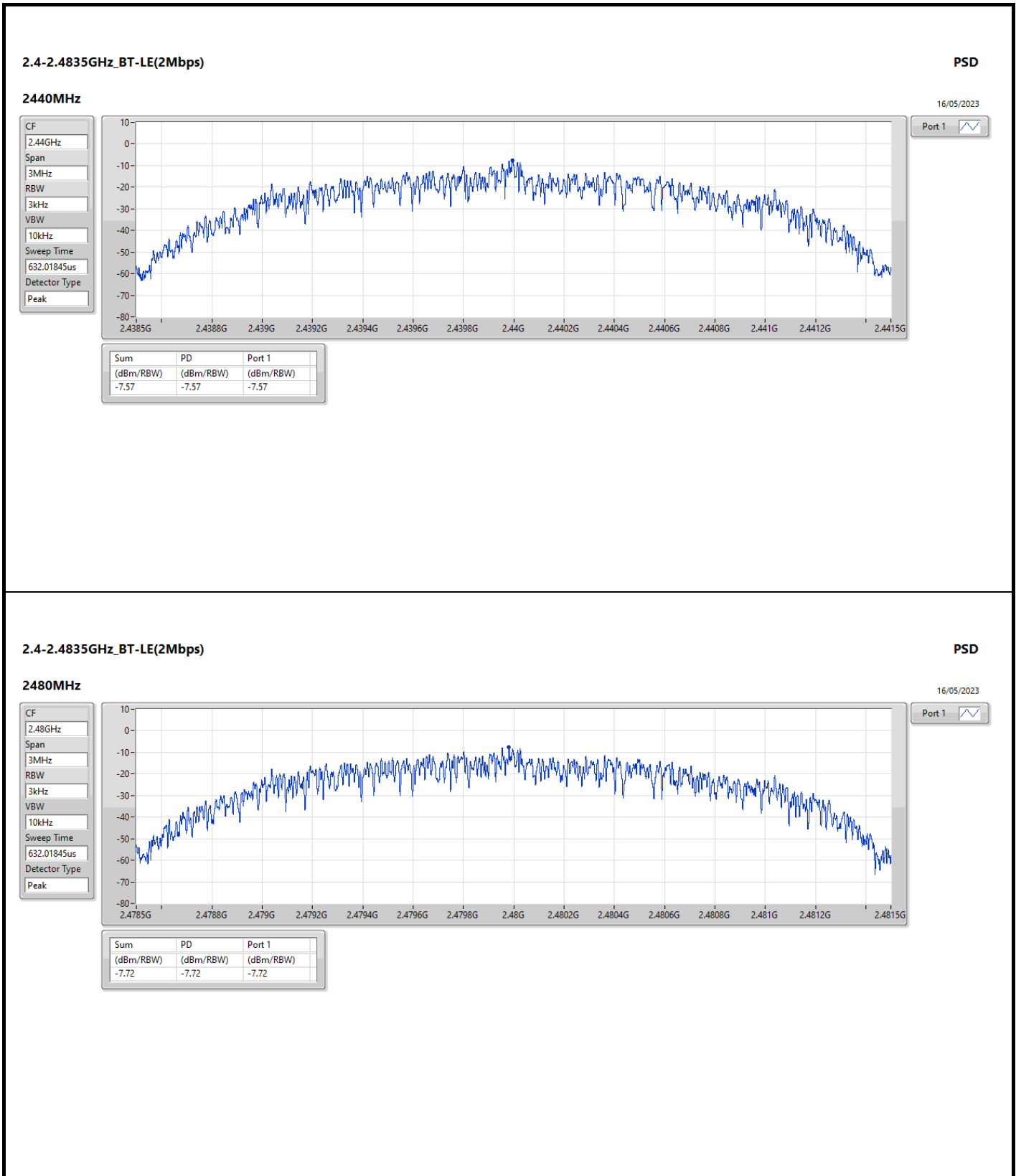
Result

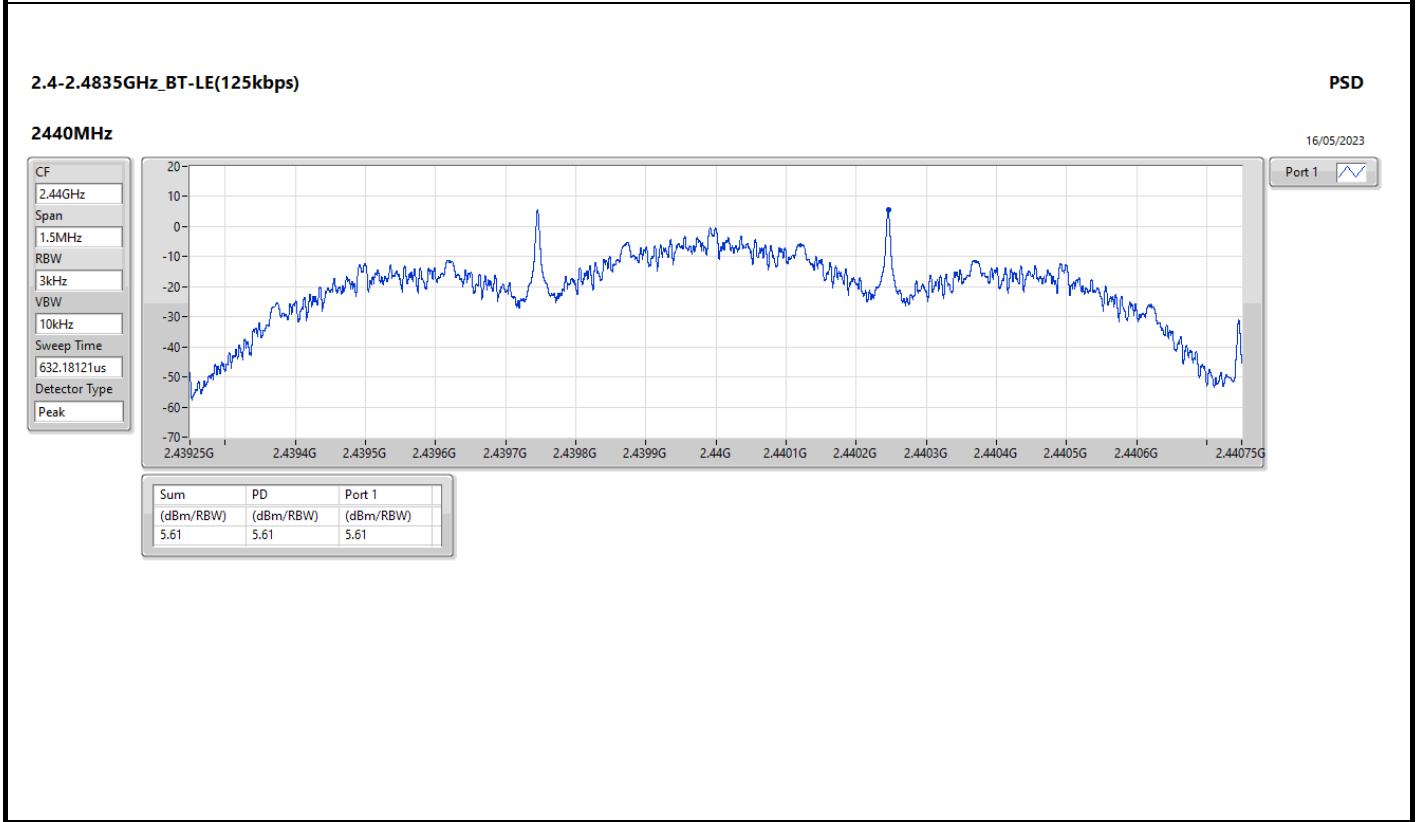
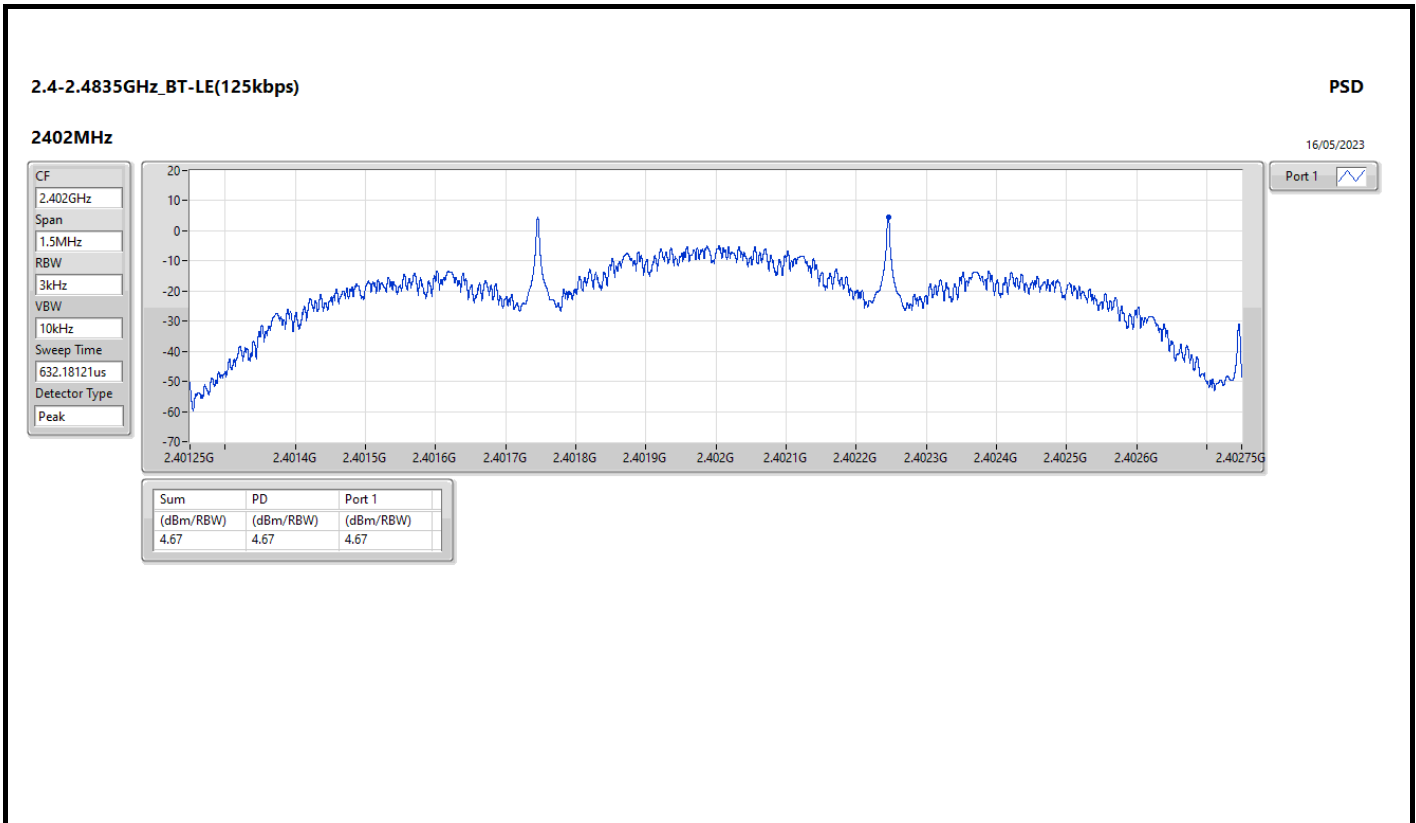
Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	-4.57	-4.44	8.00
2440MHz	Pass	-4.57	-3.46	8.00
2480MHz	Pass	-4.57	-4.20	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	-4.57	-7.65	8.00
2440MHz	Pass	-4.57	-7.57	8.00
2480MHz	Pass	-4.57	-7.72	8.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	-4.57	4.67	8.00
2440MHz	Pass	-4.57	5.61	8.00
2480MHz	Pass	-4.57	4.46	8.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	-4.57	1.60	8.00
2440MHz	Pass	-4.57	5.42	8.00
2480MHz	Pass	-4.57	4.23	8.00

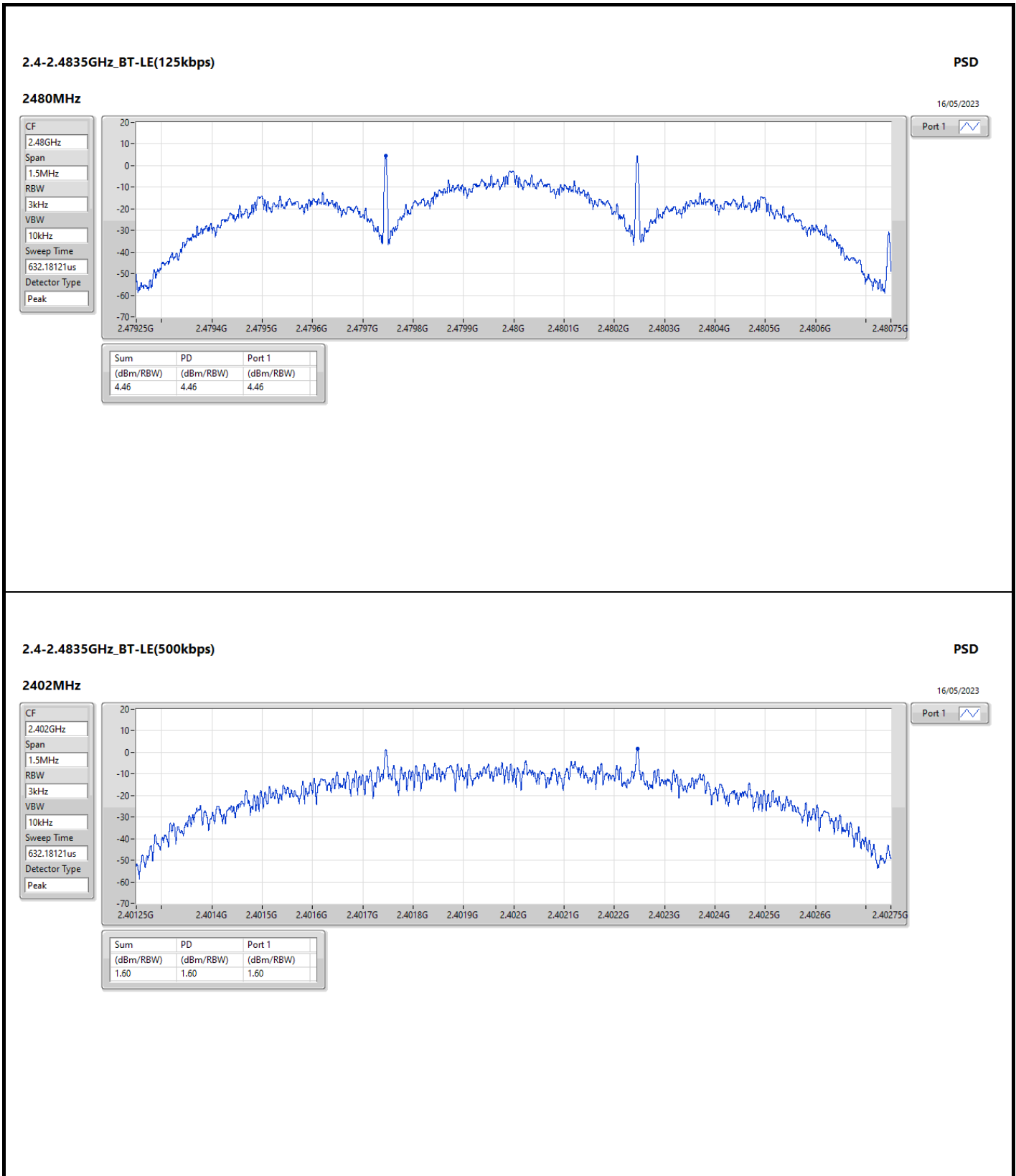
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

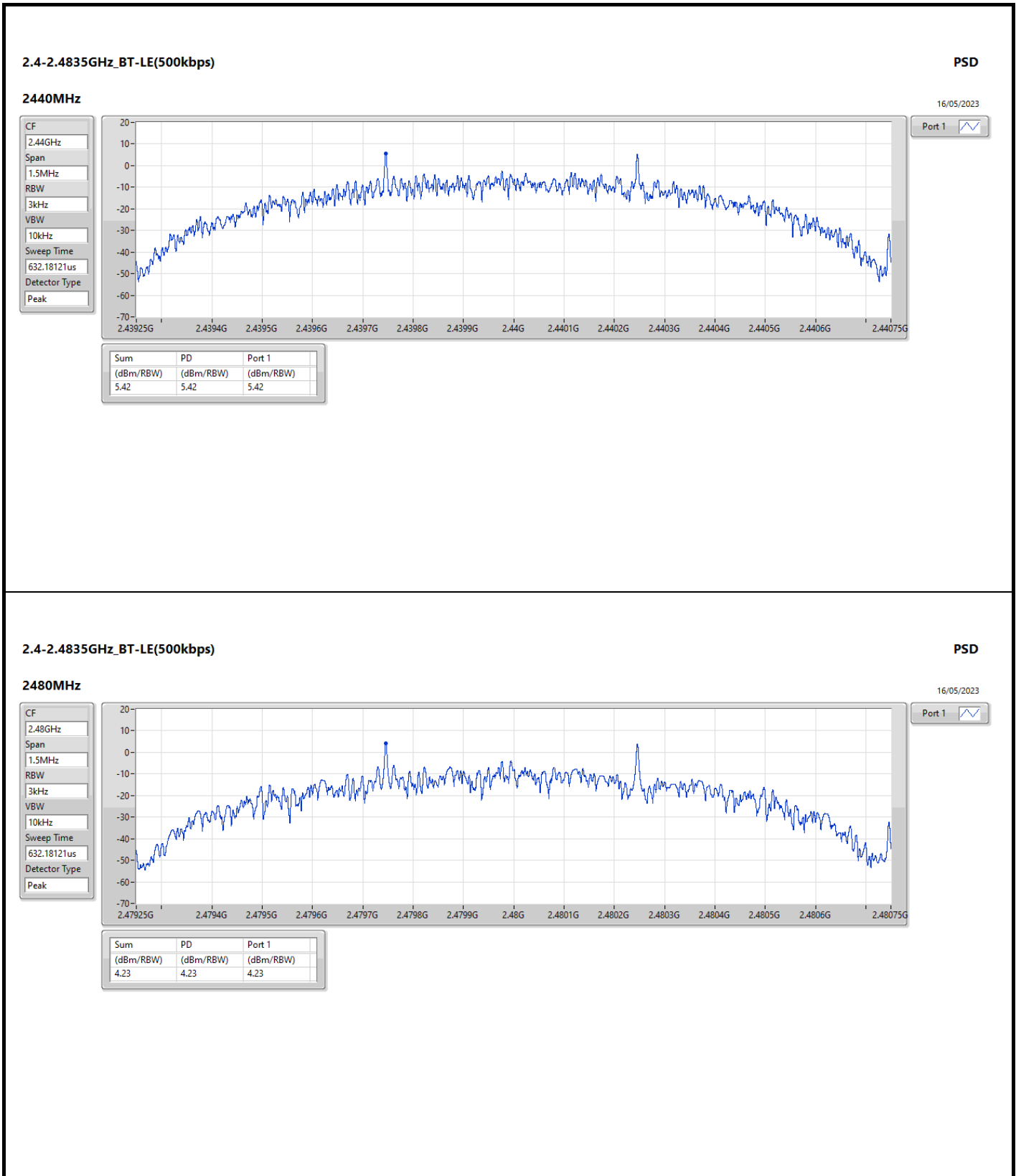












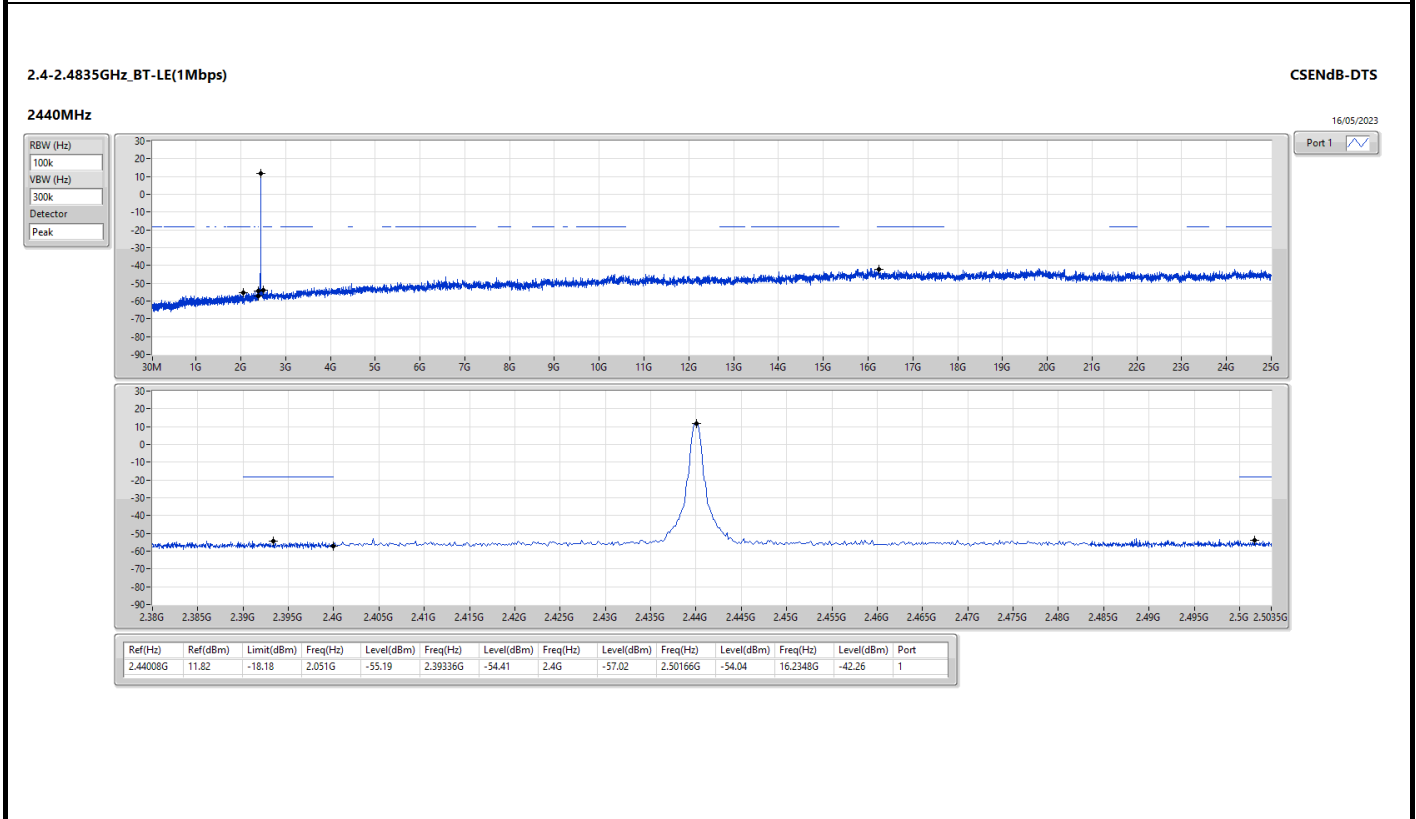
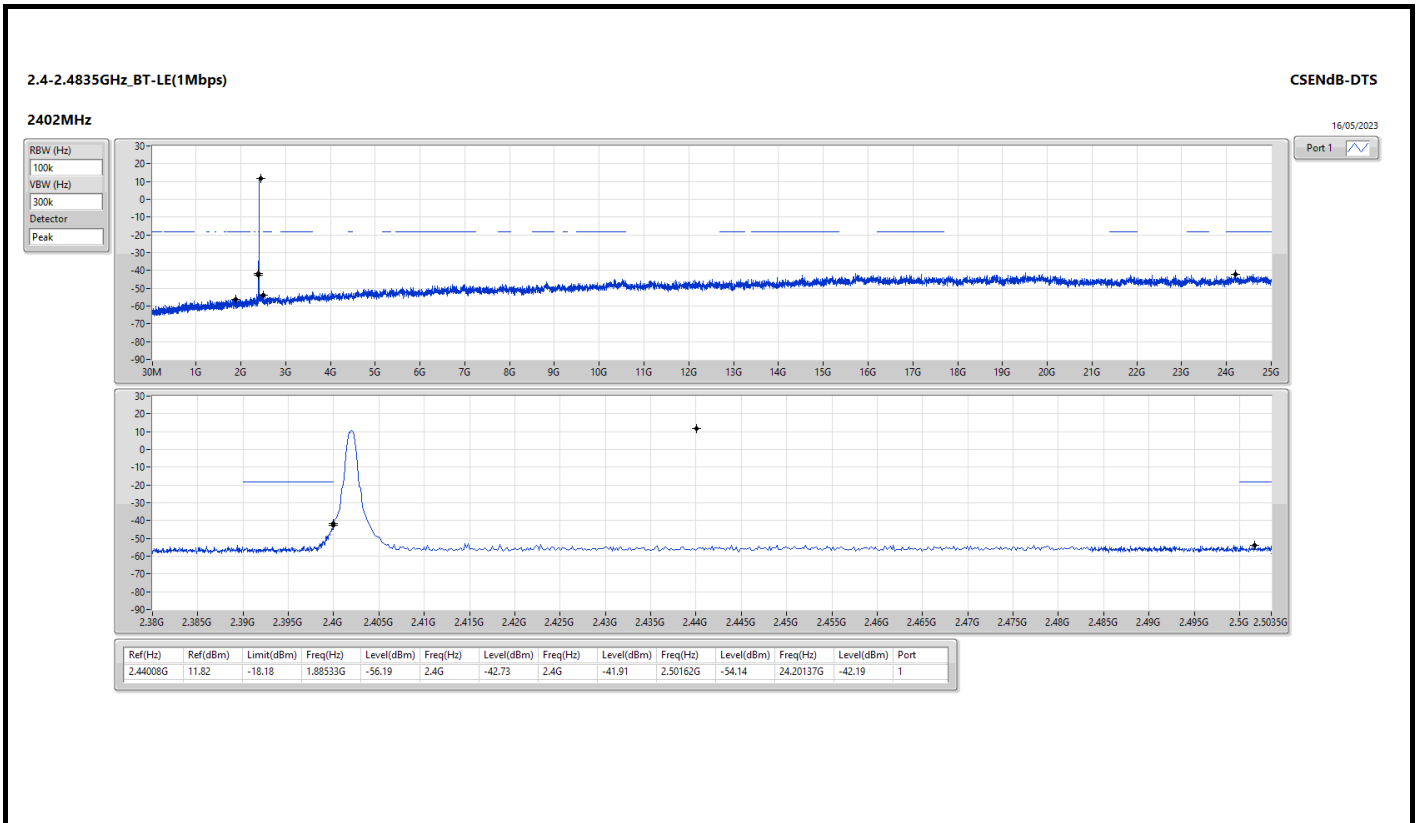


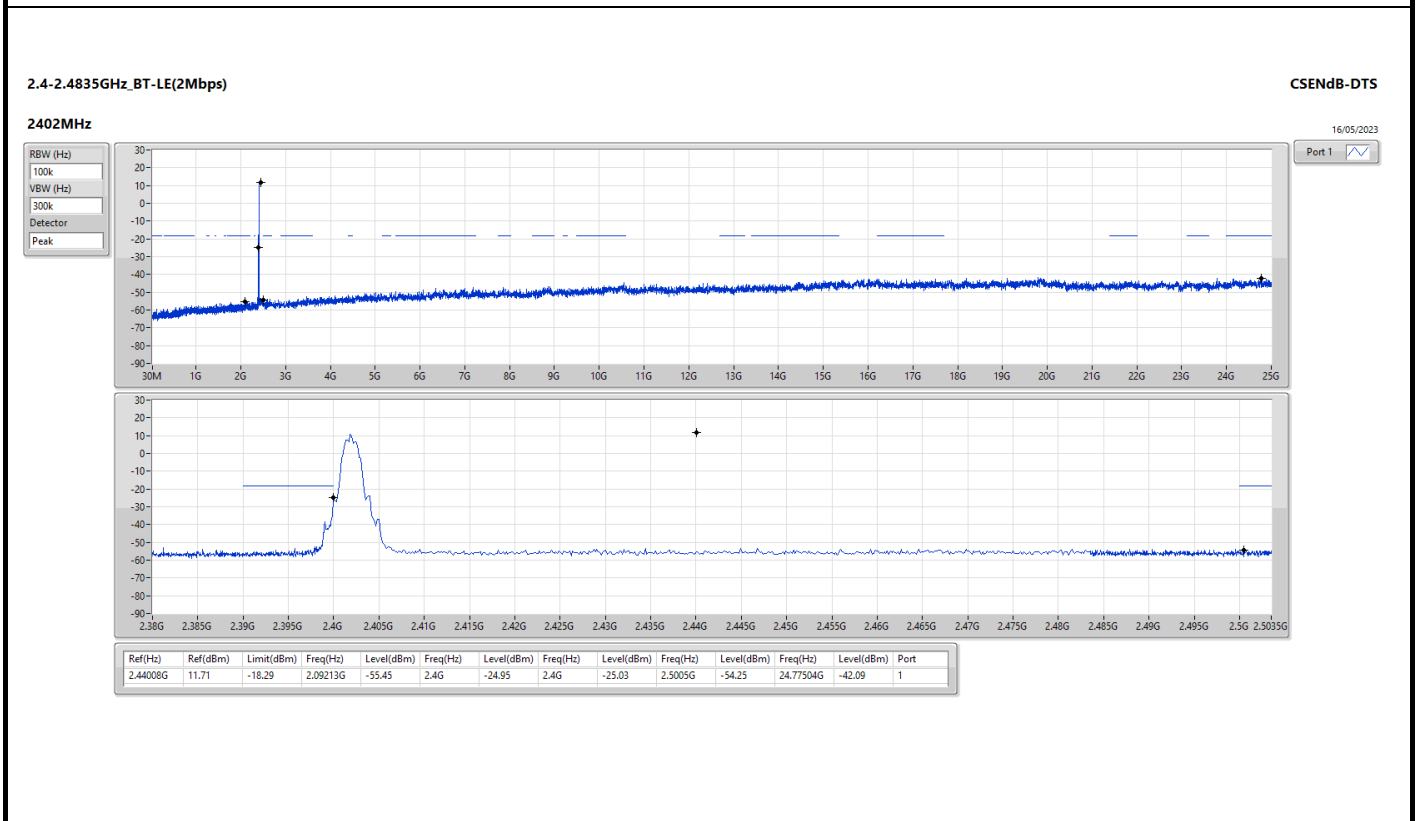
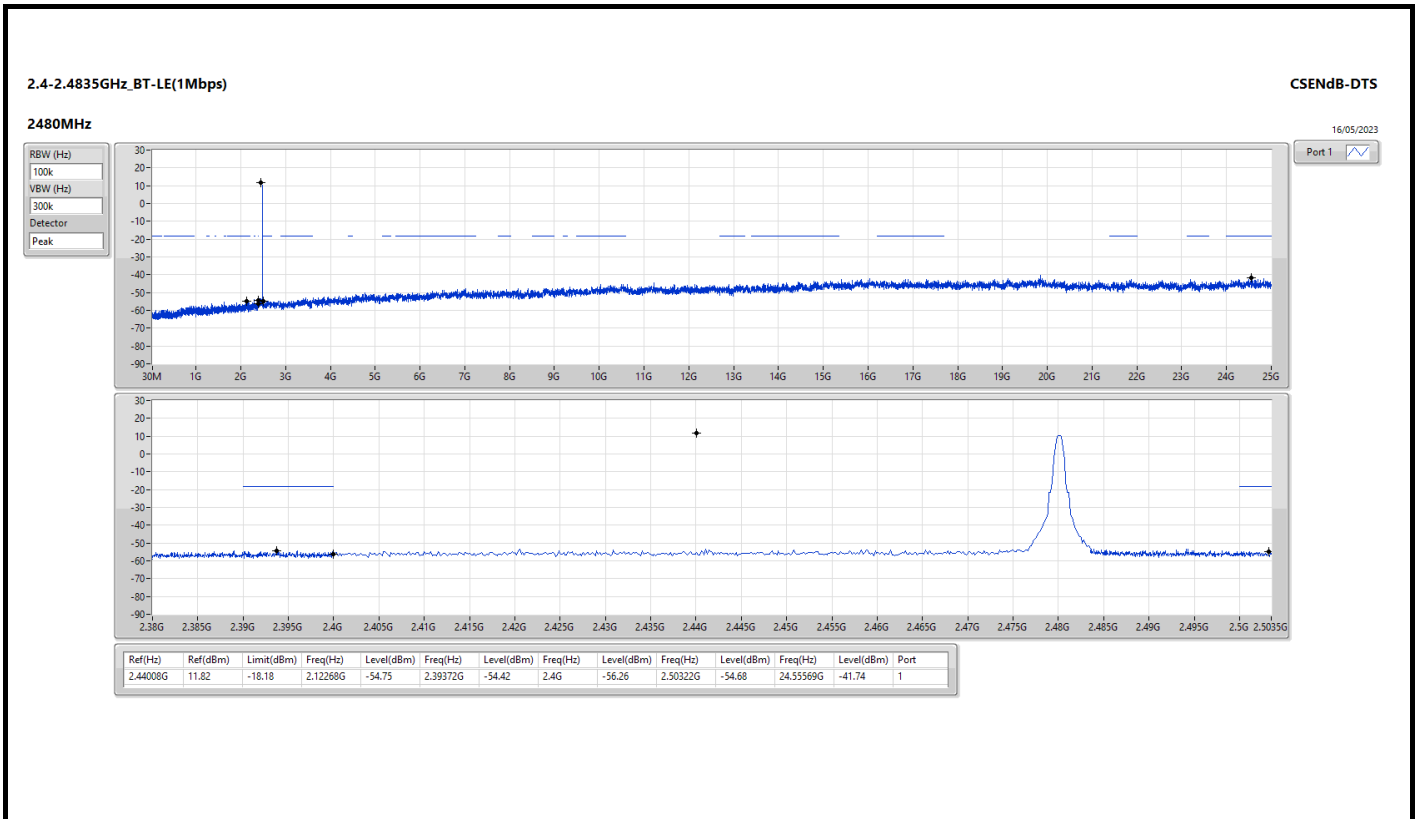
Summary

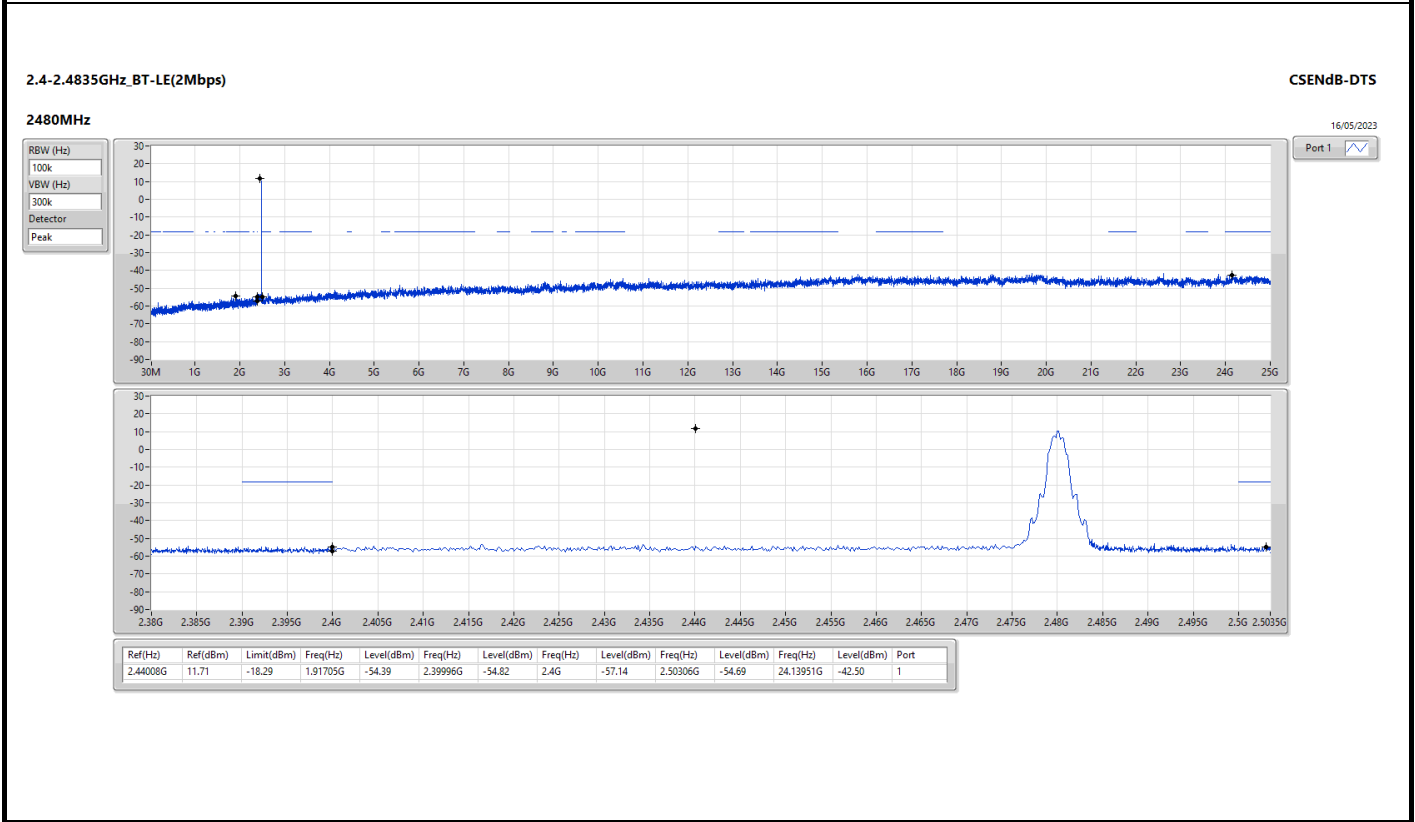
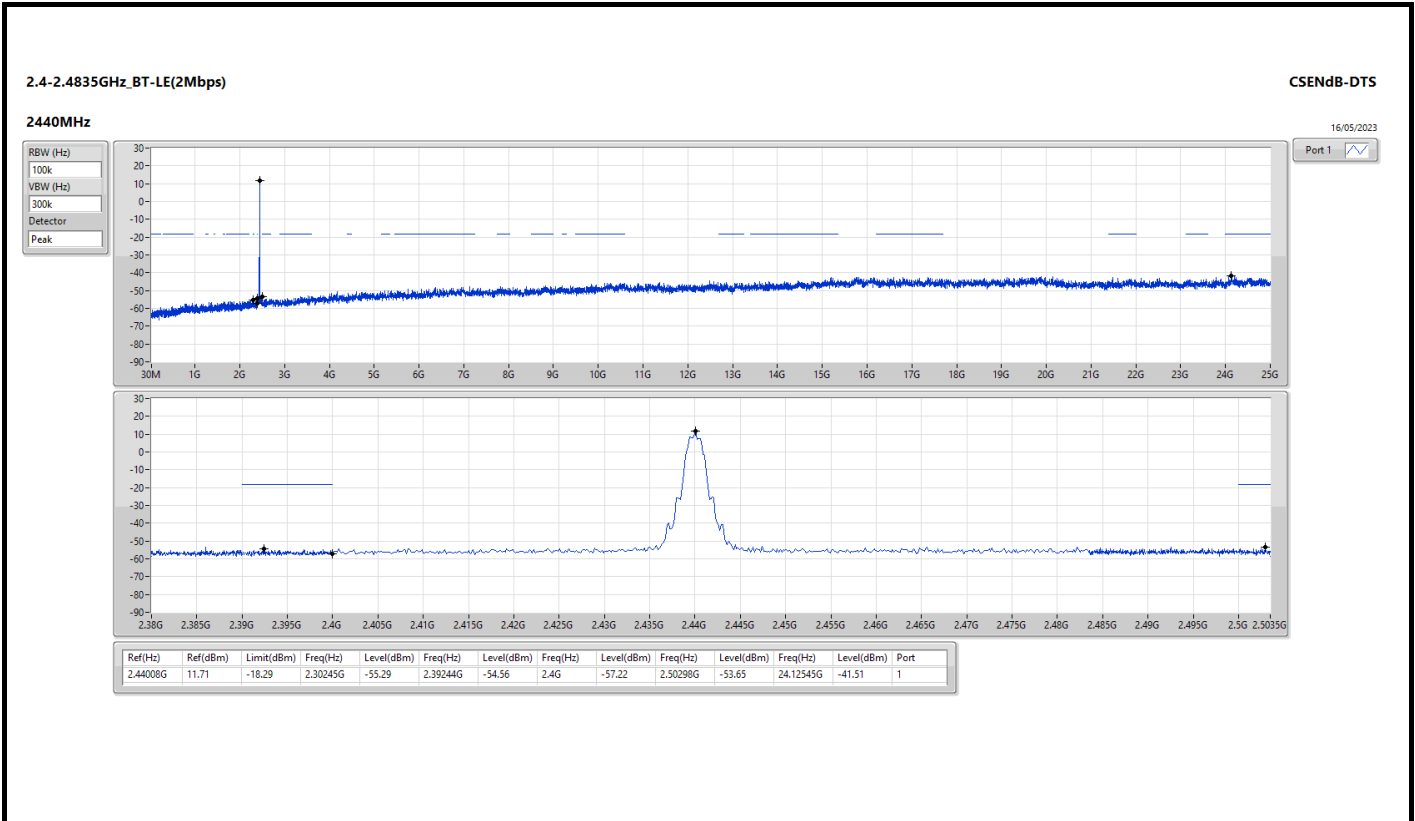
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.44008G	11.82	-18.18	1.88533G	-56.19	2.4G	-42.73	2.4G	-41.91	2.50162G	-54.14	24.20137G	-42.19	1
BT-LE(125kbps)	Pass	2.43991G	11.41	-18.59	2.13208G	-55.17	2.4G	-44.72	2.4G	-43.60	2.50174G	-54.21	16.94907G	-41.49	1
BT-LE(500kbps)	Pass	2.43975G	11.29	-18.71	1.92293G	-55.83	2.39996G	-43.67	2.4G	-44.40	2.5015G	-53.89	24.19575G	-41.14	1
BT-LE(2Mbps)	Pass	2.44008G	11.71	-18.29	2.09213G	-55.45	2.4G	-24.95	2.4G	-25.03	2.5005G	-54.25	24.77504G	-42.09	1

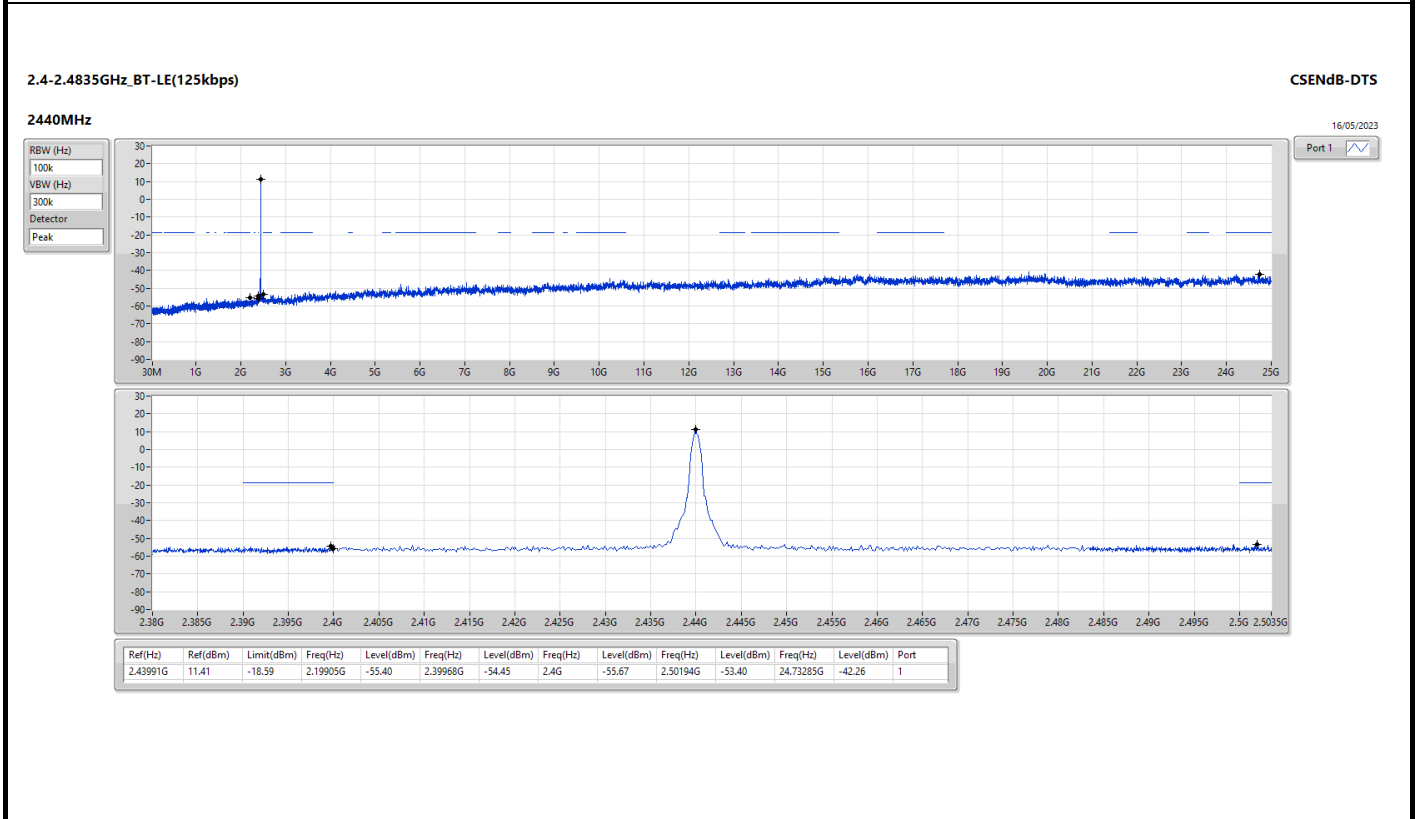
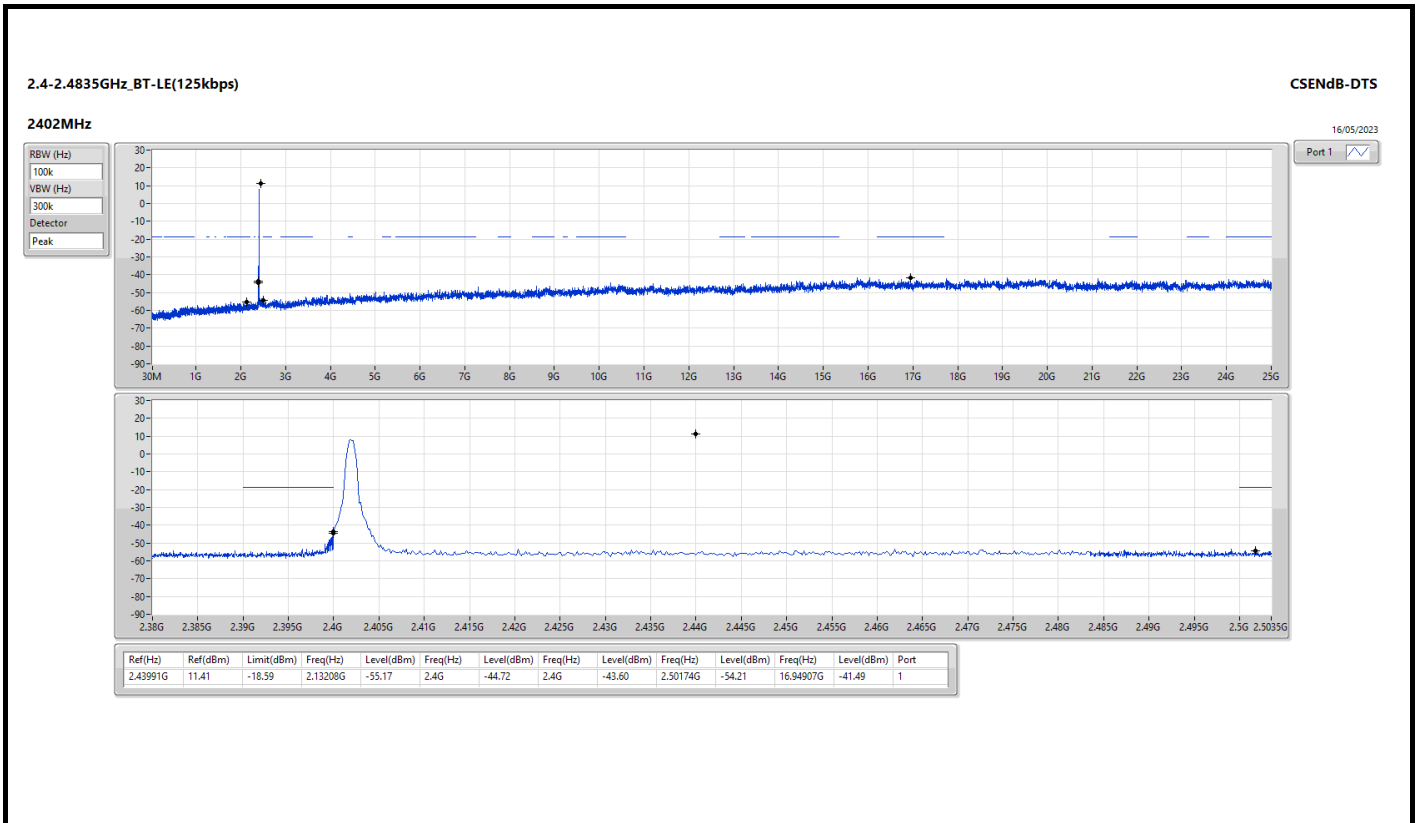
Result

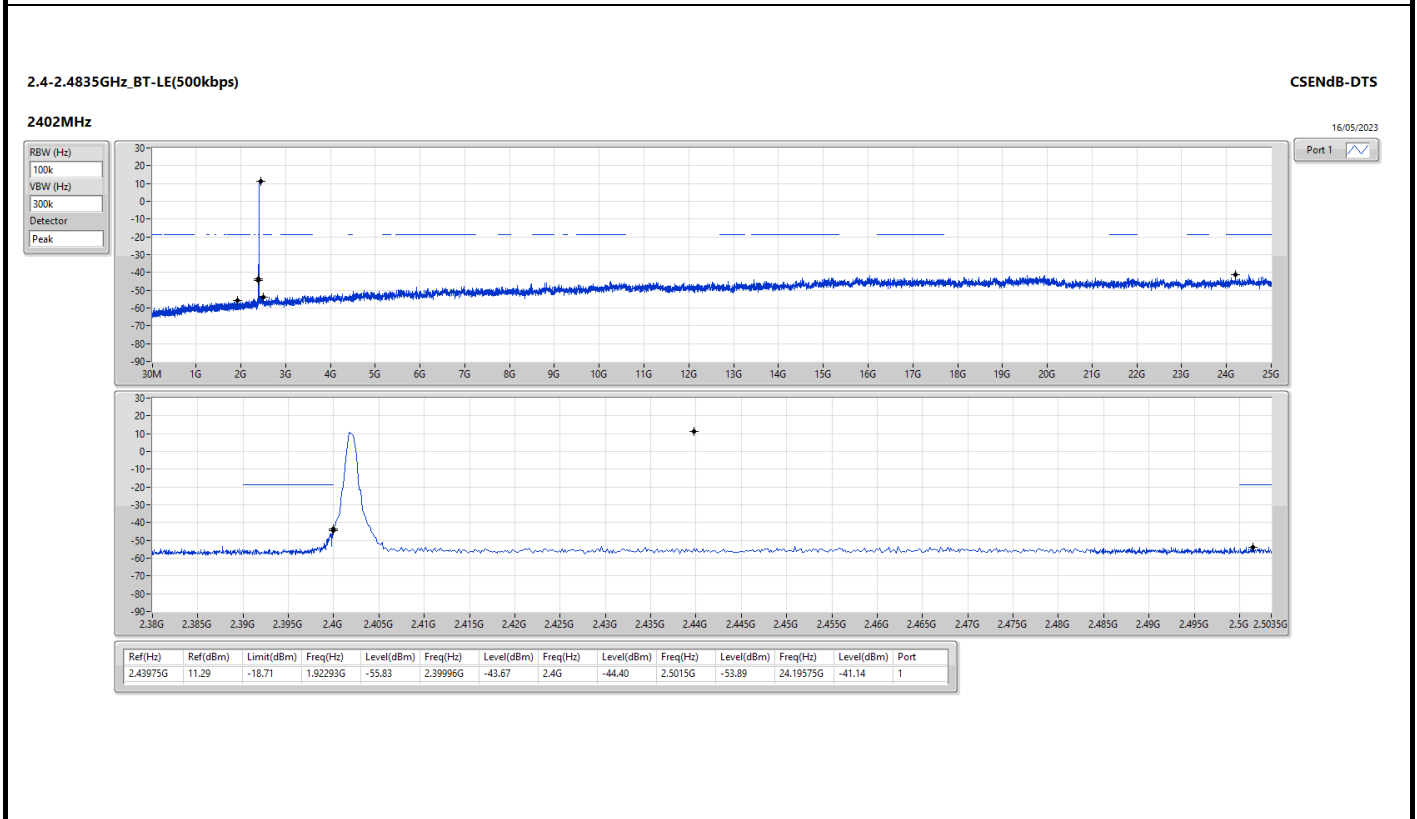
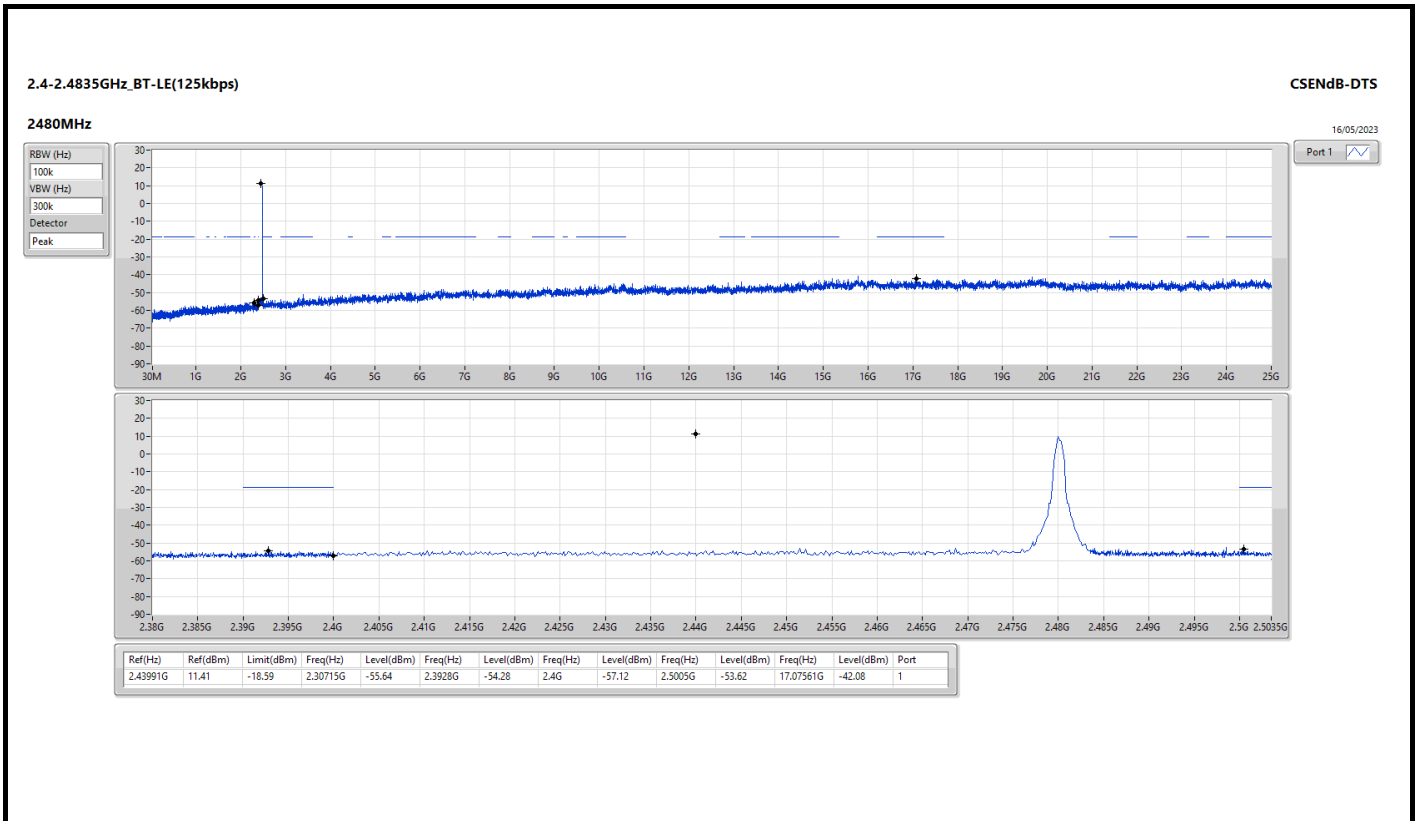
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44008G	11.82	-18.18	1.88533G	-56.19	2.4G	-42.73	2.4G	-41.91	2.50162G	-54.14	24.20137G	-42.19	1
2440MHz	Pass	2.44008G	11.82	-18.18	2.051G	-55.19	2.39336G	-54.41	2.4G	-57.02	2.50166G	-54.04	16.2348G	-42.26	1
2480MHz	Pass	2.44008G	11.82	-18.18	2.12268G	-54.75	2.39372G	-54.42	2.4G	-56.26	2.50322G	-54.68	24.55569G	-41.74	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44008G	11.71	-18.29	2.09213G	-55.45	2.4G	-24.95	2.4G	-25.03	2.5005G	-54.25	24.77504G	-42.09	1
2440MHz	Pass	2.44008G	11.71	-18.29	2.30245G	-55.29	2.39244G	-54.56	2.4G	-57.22	2.50298G	-53.65	24.12545G	-41.51	1
2480MHz	Pass	2.44008G	11.71	-18.29	1.91705G	-54.39	2.39996G	-54.82	2.4G	-57.14	2.50306G	-54.69	24.13951G	-42.50	1
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	11.41	-18.59	2.13208G	-55.17	2.4G	-44.72	2.4G	-43.60	2.50174G	-54.21	16.94907G	-41.49	1
2440MHz	Pass	2.43991G	11.41	-18.59	2.19905G	-55.40	2.39968G	-54.45	2.4G	-55.67	2.50194G	-53.40	24.73285G	-42.26	1
2480MHz	Pass	2.43991G	11.41	-18.59	2.30715G	-55.64	2.3928G	-54.28	2.4G	-57.12	2.5005G	-53.62	17.07561G	-42.08	1
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43975G	11.29	-18.71	1.92293G	-55.83	2.39996G	-43.67	2.4G	-44.40	2.5015G	-53.89	24.19575G	-41.14	1
2440MHz	Pass	2.43975G	11.29	-18.71	2.11328G	-55.61	2.39848G	-54.16	2.4G	-56.07	2.50214G	-53.88	17.12904G	-42.05	1
2480MHz	Pass	2.43975G	11.29	-18.71	2.0181G	-56.00	2.39852G	-54.23	2.4G	-56.18	2.50306G	-53.34	16.68473G	-42.47	1

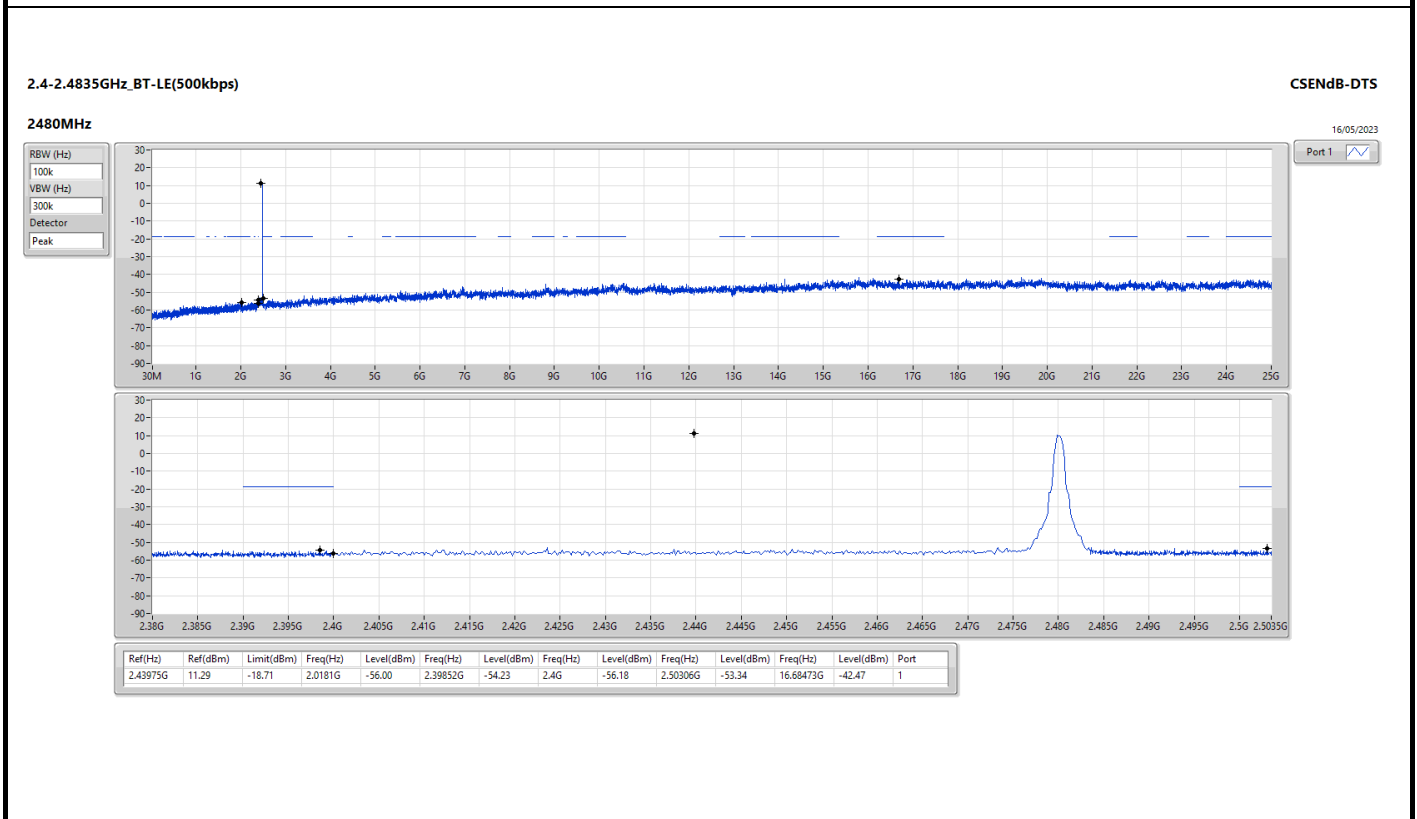
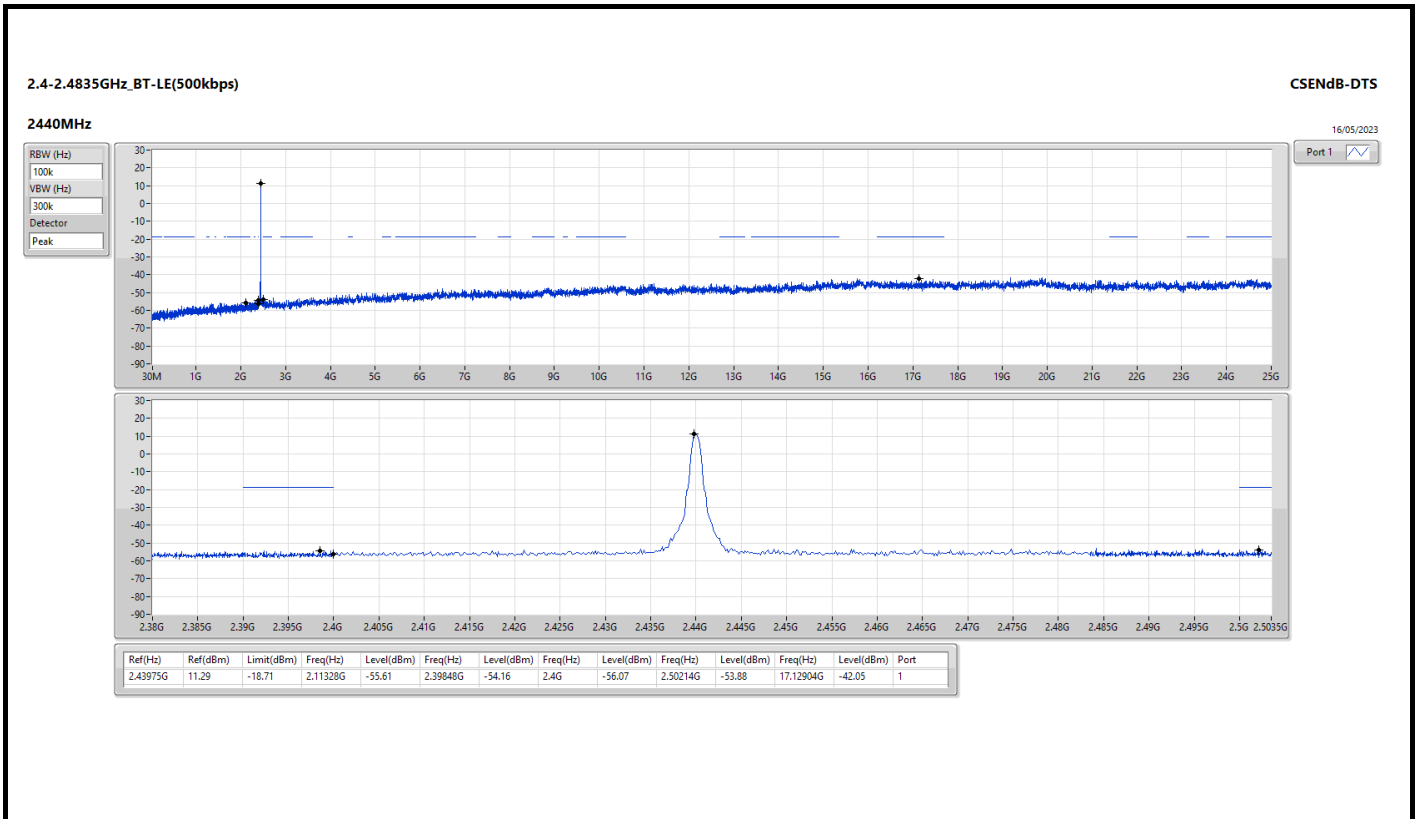














Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	45.52M	36.93	40.00	-3.07	3	Vertical	0	1.00	-

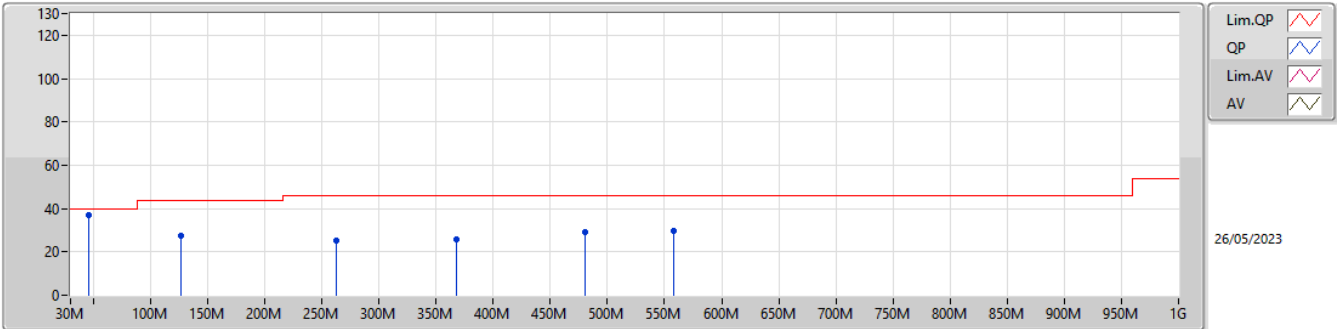


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	PK	45.52M	36.93	40.00	-3.07	3	Vertical	0	1.00	-
2402MHz	Pass	PK	127M	27.49	43.50	-16.01	3	Vertical	0	1.00	-
2402MHz	Pass	PK	262.8M	25.26	46.00	-20.74	3	Vertical	0	1.00	-
2402MHz	Pass	PK	367.56M	25.73	46.00	-20.27	3	Vertical	0	1.00	-
2402MHz	Pass	PK	480.08M	29.22	46.00	-16.78	3	Vertical	0	1.00	-
2402MHz	Pass	PK	557.68M	29.76	46.00	-16.24	3	Vertical	0	1.00	-
2402MHz	Pass	PK	45.52M	36.88	40.00	-3.12	3	Horizontal	360	1.00	-
2402MHz	Pass	PK	111.48M	29.39	43.50	-14.11	3	Horizontal	360	1.00	-
2402MHz	Pass	PK	274.44M	29.27	46.00	-16.73	3	Horizontal	360	1.00	-
2402MHz	Pass	PK	400.54M	29.76	46.00	-16.24	3	Horizontal	360	1.00	-
2402MHz	Pass	PK	495.6M	32.10	46.00	-13.90	3	Horizontal	360	1.00	-
2402MHz	Pass	PK	573.2M	30.74	46.00	-15.26	3	Horizontal	360	1.00	-

2.4-2.4835GHz_BT-LE(2Mbps)

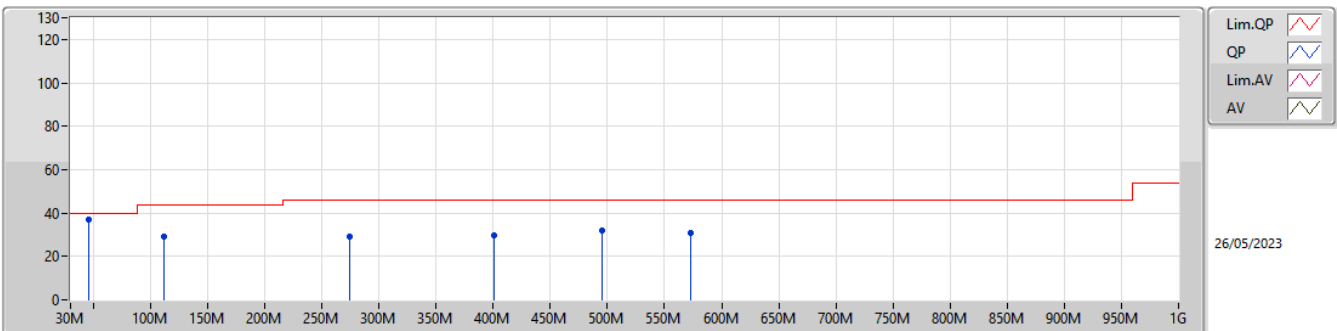
2402MHz_Adapter



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	45.52M	36.93	40.00	-3.07	-10.53	3	Vertical	0	1.00	47.46	15.21	1.45	27.19
PK	127M	27.49	43.50	-16.01	-8.36	3	Vertical	0	1.00	35.85	17.20	2.19	27.75
PK	262.8M	25.26	46.00	-20.74	-5.35	3	Vertical	0	1.00	30.61	18.72	3.10	27.17
PK	367.56M	25.73	46.00	-20.27	-3.89	3	Vertical	0	1.00	29.62	19.99	3.74	27.62
PK	480.08M	29.22	46.00	-16.78	-1.24	3	Vertical	0	1.00	30.46	22.71	4.36	28.31
PK	557.68M	29.76	46.00	-16.24	-0.07	3	Vertical	0	1.00	29.83	23.98	4.56	28.61

2.4-2.4835GHz_BT-LE(2Mbps)

2402MHz_Adapter



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	45.52M	36.88	40.00	-3.12	-10.53	3	Horizontal	360	1.00	47.41	15.21	1.45	27.19
PK	111.48M	29.39	43.50	-14.11	-8.65	3	Horizontal	360	1.00	38.04	17.11	2.03	27.79
PK	274.44M	29.27	46.00	-16.73	-6.01	3	Horizontal	360	1.00	35.28	18.00	3.16	27.17
PK	400.54M	29.76	46.00	-16.24	-2.94	3	Horizontal	360	1.00	32.70	21.00	3.90	27.84
PK	495.6M	32.10	46.00	-13.90	-1.27	3	Horizontal	360	1.00	33.37	22.66	4.40	28.33
PK	573.2M	30.74	46.00	-15.26	-0.08	3	Horizontal	360	1.00	30.82	23.84	4.63	28.55



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-LE(1Mbps)	Pass	AV	2.497G	46.18	54.00	-7.82	3	Horizontal	160	1.48	-
BT-LE(125kbps)	Pass	AV	2.486G	45.24	54.00	-8.76	3	Horizontal	0	1.11	-
BT-LE(500kbps)	Pass	AV	2.4982G	45.47	54.00	-8.53	3	Vertical	15	3.00	-
BT-LE(2Mbps)	Pass	AV	2.4874G	47.76	54.00	-6.24	3	Vertical	55	1.62	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.383G	45.28	54.00	-8.72	3	Vertical	52	1.69
2402MHz	Pass	AV	2.402G	99.38	Inf	-Inf	3	Vertical	52	1.69
2402MHz	Pass	PK	2.3544G	57.61	74.00	-16.39	3	Vertical	52	1.69
2402MHz	Pass	PK	2.4022G	100.42	Inf	-Inf	3	Vertical	52	1.69
2402MHz	Pass	AV	2.39G	45.47	54.00	-8.53	3	Horizontal	152	1.50
2402MHz	Pass	AV	2.402G	100.07	Inf	-Inf	3	Horizontal	152	1.50
2402MHz	Pass	PK	2.3896G	57.44	74.00	-16.56	3	Horizontal	152	1.50
2402MHz	Pass	PK	2.4022G	101.11	Inf	-Inf	3	Horizontal	152	1.50
2402MHz	Pass	AV	4.8033G	29.37	54.00	-24.63	3	Vertical	151	1.50
2402MHz	Pass	PK	4.80173G	41.90	74.00	-32.10	3	Vertical	151	1.50
2402MHz	Pass	AV	4.80355G	31.10	54.00	-22.90	3	Horizontal	330	2.39
2402MHz	Pass	PK	4.80235G	42.06	74.00	-31.94	3	Horizontal	330	2.39
2440MHz	Pass	AV	2.3888G	45.31	54.00	-8.69	3	Vertical	53	1.27
2440MHz	Pass	AV	2.44G	100.03	Inf	-Inf	3	Vertical	53	1.27
2440MHz	Pass	AV	2.4964G	46.11	54.00	-7.89	3	Vertical	53	1.27
2440MHz	Pass	PK	2.384G	58.43	74.00	-15.57	3	Vertical	53	1.27
2440MHz	Pass	PK	2.4404G	101.21	Inf	-Inf	3	Vertical	53	1.27
2440MHz	Pass	PK	2.4968G	57.37	74.00	-16.63	3	Vertical	53	1.27
2440MHz	Pass	AV	2.3896G	45.38	54.00	-8.62	3	Horizontal	159	1.48
2440MHz	Pass	AV	2.44G	97.95	Inf	-Inf	3	Horizontal	159	1.48
2440MHz	Pass	AV	2.4976G	46.14	54.00	-7.86	3	Horizontal	159	1.48
2440MHz	Pass	PK	2.3876G	57.45	74.00	-16.55	3	Horizontal	159	1.48
2440MHz	Pass	PK	2.4396G	98.93	Inf	-Inf	3	Horizontal	159	1.48
2440MHz	Pass	PK	2.4912G	57.56	74.00	-16.44	3	Horizontal	159	1.48
2440MHz	Pass	AV	4.87781G	29.70	54.00	-24.30	3	Vertical	64	1.50
2440MHz	Pass	PK	4.87893G	41.97	74.00	-32.03	3	Vertical	64	1.50
2440MHz	Pass	AV	4.87811G	30.10	54.00	-23.90	3	Horizontal	327	1.50
2440MHz	Pass	PK	4.88157G	42.25	74.00	-31.75	3	Horizontal	327	1.50
2480MHz	Pass	AV	2.48G	97.40	Inf	-Inf	3	Vertical	53	1.31
2480MHz	Pass	AV	2.4862G	46.04	54.00	-7.96	3	Vertical	53	1.31
2480MHz	Pass	PK	2.4798G	98.54	Inf	-Inf	3	Vertical	53	1.31
2480MHz	Pass	PK	2.4866G	58.35	74.00	-15.65	3	Vertical	53	1.31
2480MHz	Pass	AV	2.48G	93.73	Inf	-Inf	3	Horizontal	160	1.48
2480MHz	Pass	AV	2.497G	46.18	54.00	-7.82	3	Horizontal	160	1.48
2480MHz	Pass	PK	2.4798G	94.87	Inf	-Inf	3	Horizontal	160	1.48
2480MHz	Pass	PK	2.495G	57.82	74.00	-16.18	3	Horizontal	160	1.48
2480MHz	Pass	AV	4.95979G	30.96	54.00	-23.04	3	Vertical	315	1.16
2480MHz	Pass	PK	4.95945G	42.44	74.00	-31.56	3	Vertical	315	1.16
2480MHz	Pass	AV	4.96018G	33.94	54.00	-20.06	3	Horizontal	307	2.33
2480MHz	Pass	PK	4.95937G	44.32	74.00	-29.68	3	Horizontal	307	2.33
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3854G	44.79	54.00	-9.21	3	Vertical	54	1.69
2402MHz	Pass	AV	2.402G	99.17	Inf	-Inf	3	Vertical	54	1.69
2402MHz	Pass	PK	2.3672G	57.16	74.00	-16.84	3	Vertical	54	1.69
2402MHz	Pass	PK	2.4022G	100.39	Inf	-Inf	3	Vertical	54	1.69
2402MHz	Pass	AV	2.3884G	44.73	54.00	-9.27	3	Horizontal	153	1.50
2402MHz	Pass	AV	2.402G	100.32	Inf	-Inf	3	Horizontal	153	1.50
2402MHz	Pass	PK	2.3888G	57.50	74.00	-16.50	3	Horizontal	153	1.50
2402MHz	Pass	PK	2.4022G	101.49	Inf	-Inf	3	Horizontal	153	1.50
2402MHz	Pass	AV	4.80423G	28.96	54.00	-25.04	3	Vertical	340	2.99
2402MHz	Pass	PK	4.80338G	41.88	74.00	-32.12	3	Vertical	340	2.99
2402MHz	Pass	AV	4.80409G	31.10	54.00	-22.90	3	Horizontal	325	2.50
2402MHz	Pass	PK	4.80436G	42.51	74.00	-31.49	3	Horizontal	325	2.50
2440MHz	Pass	AV	2.3872G	44.55	54.00	-9.45	3	Vertical	338	1.81
2440MHz	Pass	AV	2.44G	98.36	Inf	-Inf	3	Vertical	338	1.81
2440MHz	Pass	AV	2.4976G	45.19	54.00	-8.81	3	Vertical	338	1.81
2440MHz	Pass	PK	2.3664G	57.27	74.00	-16.73	3	Vertical	338	1.81
2440MHz	Pass	PK	2.4404G	99.53	Inf	-Inf	3	Vertical	338	1.81
2440MHz	Pass	PK	2.4984G	58.13	74.00	-15.87	3	Vertical	338	1.81
2440MHz	Pass	AV	2.3812G	44.60	54.00	-9.40	3	Horizontal	353	1.32



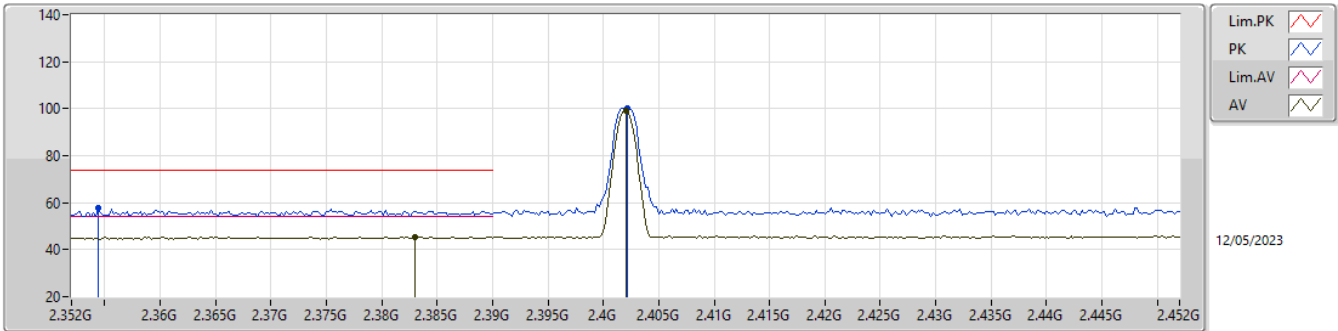
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2440MHz	Pass	AV	2.44G	98.61	Inf	-Inf	3	Horizontal	353	1.32
2440MHz	Pass	AV	2.4972G	45.19	54.00	-8.81	3	Horizontal	353	1.32
2440MHz	Pass	PK	2.366G	57.27	74.00	-16.73	3	Horizontal	353	1.32
2440MHz	Pass	PK	2.4404G	99.93	Inf	-Inf	3	Horizontal	353	1.32
2440MHz	Pass	PK	2.4936G	57.73	74.00	-16.27	3	Horizontal	353	1.32
2440MHz	Pass	AV	4.87956G	29.80	54.00	-24.20	3	Vertical	310	1.03
2440MHz	Pass	PK	4.88021G	42.85	74.00	-31.15	3	Vertical	310	1.03
2440MHz	Pass	AV	4.87979G	31.48	54.00	-22.52	3	Horizontal	322	2.41
2440MHz	Pass	PK	4.88066G	43.22	74.00	-30.78	3	Horizontal	322	2.41
2480MHz	Pass	AV	2.48G	96.18	Inf	-Inf	3	Vertical	330	1.58
2480MHz	Pass	AV	2.4962G	45.22	54.00	-8.78	3	Vertical	330	1.58
2480MHz	Pass	PK	2.4798G	97.56	Inf	-Inf	3	Vertical	330	1.58
2480MHz	Pass	PK	2.4902G	58.23	74.00	-15.77	3	Horizontal	330	1.58
2480MHz	Pass	AV	2.48G	96.40	Inf	-Inf	3	Horizontal	0	1.11
2480MHz	Pass	AV	2.486G	45.24	54.00	-8.76	3	Horizontal	0	1.11
2480MHz	Pass	PK	2.4798G	97.17	Inf	-Inf	3	Horizontal	0	1.11
2480MHz	Pass	PK	2.4896G	57.20	74.00	-16.80	3	Horizontal	0	1.11
2480MHz	Pass	AV	4.96039G	30.22	54.00	-23.78	3	Vertical	325	1.08
2480MHz	Pass	PK	4.9584G	42.92	74.00	-31.08	3	Vertical	325	1.08
2480MHz	Pass	AV	4.9601G	32.94	54.00	-21.06	3	Horizontal	328	2.23
2480MHz	Pass	PK	4.96062G	44.96	74.00	-29.04	3	Horizontal	328	2.23
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3868G	44.69	54.00	-9.31	3	Vertical	51	1.36
2402MHz	Pass	AV	2.402G	98.11	Inf	-Inf	3	Vertical	51	1.36
2402MHz	Pass	PK	2.3786G	57.81	74.00	-16.19	3	Vertical	51	1.36
2402MHz	Pass	PK	2.4022G	99.34	Inf	-Inf	3	Vertical	51	1.36
2402MHz	Pass	AV	2.366G	44.80	54.00	-9.20	3	Horizontal	154	1.51
2402MHz	Pass	AV	2.402G	100.05	Inf	-Inf	3	Horizontal	154	1.51
2402MHz	Pass	PK	2.3728G	57.01	74.00	-16.99	3	Horizontal	154	1.51
2402MHz	Pass	PK	2.4022G	101.22	Inf	-Inf	3	Horizontal	154	1.51
2402MHz	Pass	AV	4.8065G	28.54	54.00	-25.46	3	Vertical	239	1.50
2402MHz	Pass	PK	4.80273G	41.33	74.00	-32.67	3	Vertical	239	1.50
2402MHz	Pass	AV	4.80363G	29.03	54.00	-24.97	3	Horizontal	50	1.50
2402MHz	Pass	PK	4.80205G	42.89	74.00	-31.11	3	Horizontal	50	1.50
2440MHz	Pass	AV	2.388G	44.65	54.00	-9.35	3	Vertical	53	1.27
2440MHz	Pass	AV	2.44G	99.27	Inf	-Inf	3	Vertical	53	1.27
2440MHz	Pass	AV	2.4908G	45.34	54.00	-8.66	3	Vertical	53	1.27
2440MHz	Pass	PK	2.362G	57.79	74.00	-16.21	3	Vertical	53	1.27
2440MHz	Pass	PK	2.4404G	100.38	Inf	-Inf	3	Vertical	53	1.27
2440MHz	Pass	PK	2.4916G	58.22	74.00	-15.78	3	Vertical	53	1.27
2440MHz	Pass	AV	2.3896G	44.70	54.00	-9.30	3	Horizontal	157	1.48
2440MHz	Pass	AV	2.44G	98.20	Inf	-Inf	3	Horizontal	157	1.48
2440MHz	Pass	AV	2.4944G	45.28	54.00	-8.72	3	Horizontal	157	1.48
2440MHz	Pass	PK	2.3876G	58.29	74.00	-15.71	3	Horizontal	157	1.48
2440MHz	Pass	PK	2.4404G	99.70	Inf	-Inf	3	Horizontal	157	1.48
2440MHz	Pass	PK	2.4984G	57.59	74.00	-16.41	3	Horizontal	157	1.48
2440MHz	Pass	AV	4.87989G	28.86	54.00	-25.14	3	Vertical	246	1.50
2440MHz	Pass	PK	4.87801G	42.26	74.00	-31.74	3	Vertical	246	1.50
2440MHz	Pass	AV	4.87996G	30.92	54.00	-23.08	3	Horizontal	30	1.00
2440MHz	Pass	PK	4.87931G	42.86	74.00	-31.14	3	Horizontal	30	1.00
2480MHz	Pass	AV	2.48G	90.03	Inf	-Inf	3	Vertical	15	3.00
2480MHz	Pass	AV	2.4982G	45.47	54.00	-8.53	3	Vertical	15	3.00
2480MHz	Pass	PK	2.4798G	91.31	Inf	-Inf	3	Vertical	15	3.00
2480MHz	Pass	PK	2.492G	58.13	74.00	-15.87	3	Vertical	15	3.00
2480MHz	Pass	AV	2.48G	94.83	Inf	-Inf	3	Horizontal	160	1.46
2480MHz	Pass	AV	2.489G	45.36	54.00	-8.64	3	Horizontal	160	1.46
2480MHz	Pass	PK	2.4798G	95.99	Inf	-Inf	3	Horizontal	160	1.46
2480MHz	Pass	PK	2.4856G	57.61	74.00	-16.39	3	Horizontal	160	1.46
2480MHz	Pass	AV	4.95947G	29.99	54.00	-24.01	3	Vertical	182	1.01
2480MHz	Pass	PK	4.95761G	42.32	74.00	-31.68	3	Vertical	182	1.01
2480MHz	Pass	AV	4.95977G	31.91	54.00	-22.09	3	Horizontal	26	1.06
2480MHz	Pass	PK	4.96011G	43.85	74.00	-30.15	3	Horizontal	26	1.06



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.384G	47.19	54.00	-6.81	3	Vertical	53	1.68
2402MHz	Pass	AV	2.402G	97.16	Inf	-Inf	3	Vertical	53	1.68
2402MHz	Pass	PK	2.3678G	57.46	74.00	-16.54	3	Vertical	53	1.68
2402MHz	Pass	PK	2.4026G	99.72	Inf	-Inf	3	Vertical	53	1.68
2402MHz	Pass	AV	2.366G	46.97	54.00	-7.03	3	Horizontal	153	1.50
2402MHz	Pass	AV	2.402G	99.14	Inf	-Inf	3	Horizontal	153	1.50
2402MHz	Pass	PK	2.3876G	57.26	74.00	-16.74	3	Horizontal	153	1.50
2402MHz	Pass	PK	2.4026G	101.98	Inf	-Inf	3	Horizontal	153	1.50
2402MHz	Pass	AV	4.80297G	30.76	54.00	-23.24	3	Vertical	60	1.50
2402MHz	Pass	PK	4.80311G	41.31	74.00	-32.69	3	Vertical	60	1.50
2402MHz	Pass	AV	4.80479G	31.12	54.00	-22.88	3	Horizontal	312	1.50
2402MHz	Pass	PK	4.80377G	41.99	74.00	-32.01	3	Horizontal	312	1.50
2440MHz	Pass	AV	2.3624G	47.16	54.00	-6.84	3	Vertical	52	1.26
2440MHz	Pass	AV	2.44G	97.93	Inf	-Inf	3	Vertical	52	1.26
2440MHz	Pass	AV	2.4924G	47.58	54.00	-6.42	3	Vertical	52	1.26
2440MHz	Pass	PK	2.3448G	57.58	74.00	-16.42	3	Vertical	52	1.26
2440MHz	Pass	PK	2.4404G	100.41	Inf	-Inf	3	Vertical	52	1.26
2440MHz	Pass	PK	2.4888G	57.46	74.00	-16.54	3	Vertical	52	1.26
2440MHz	Pass	AV	2.3864G	47.28	54.00	-6.72	3	Horizontal	155	1.49
2440MHz	Pass	AV	2.44G	97.11	Inf	-Inf	3	Horizontal	155	1.49
2440MHz	Pass	AV	2.4864G	47.69	54.00	-6.31	3	Horizontal	155	1.49
2440MHz	Pass	PK	2.3752G	58.32	74.00	-15.68	3	Horizontal	155	1.49
2440MHz	Pass	PK	2.44G	99.51	Inf	-Inf	3	Horizontal	155	1.49
2440MHz	Pass	PK	2.492G	57.54	74.00	-16.46	3	Horizontal	155	1.49
2440MHz	Pass	AV	4.8811G	31.68	54.00	-22.32	3	Vertical	282	2.03
2440MHz	Pass	PK	4.87994G	41.77	74.00	-32.23	3	Vertical	282	2.03
2440MHz	Pass	AV	4.87905G	32.76	54.00	-21.24	3	Horizontal	23	1.00
2440MHz	Pass	PK	4.87925G	42.53	74.00	-31.47	3	Horizontal	23	1.00
2480MHz	Pass	AV	2.48G	95.63	Inf	-Inf	3	Vertical	55	1.62
2480MHz	Pass	AV	2.4874G	47.76	54.00	-6.24	3	Vertical	55	1.62
2480MHz	Pass	PK	2.4796G	98.21	Inf	-Inf	3	Vertical	55	1.62
2480MHz	Pass	PK	2.4894G	57.96	74.00	-16.04	3	Vertical	55	1.62
2480MHz	Pass	AV	2.48G	93.03	Inf	-Inf	3	Horizontal	163	1.50
2480MHz	Pass	AV	2.496G	47.59	54.00	-6.41	3	Horizontal	163	1.50
2480MHz	Pass	PK	2.4796G	96.07	Inf	-Inf	3	Horizontal	163	1.50
2480MHz	Pass	PK	2.4894G	57.79	74.00	-16.21	3	Horizontal	163	1.50
2480MHz	Pass	AV	4.96338G	32.58	54.00	-21.42	3	Vertical	334	1.46
2480MHz	Pass	PK	4.96166G	42.73	74.00	-31.27	3	Vertical	334	1.46
2480MHz	Pass	AV	4.96132G	32.28	54.00	-21.72	3	Horizontal	218	2.02
2480MHz	Pass	PK	4.96108G	43.32	74.00	-30.68	3	Horizontal	218	2.02

2.4-2.4835GHz_BT-LE(1Mbps)

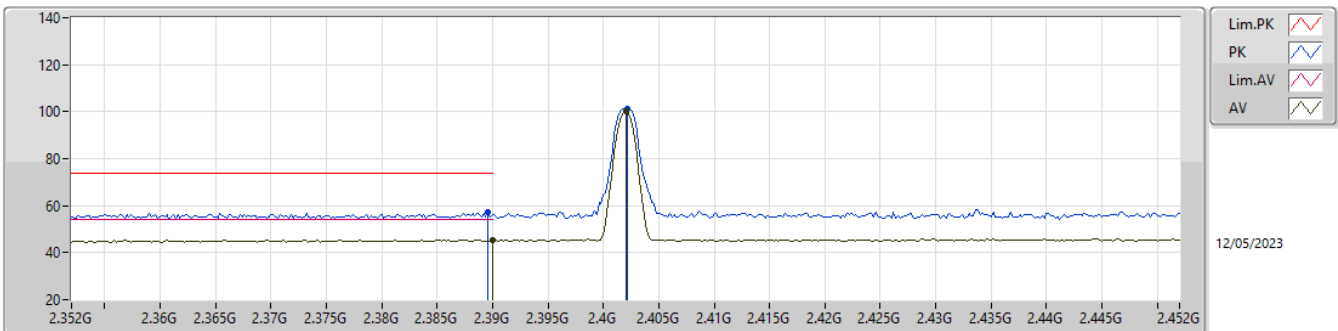
2402MHz_TX



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	2.383G	45.28	54.00	-8.72	31.71	3	Vertical	52	1.69	13.57	27.46	4.25	-
AV	2.402G	99.38	Inf	-Inf	31.86	3	Vertical	52	1.69	67.52	27.60	4.26	-
PK	2.3544G	57.61	74.00	-16.39	31.46	3	Vertical	52	1.69	26.15	27.24	4.22	-
PK	2.4022G	100.42	Inf	-Inf	31.86	3	Vertical	52	1.69	68.56	27.60	4.26	-

2.4-2.4835GHz_BT-LE(1Mbps)

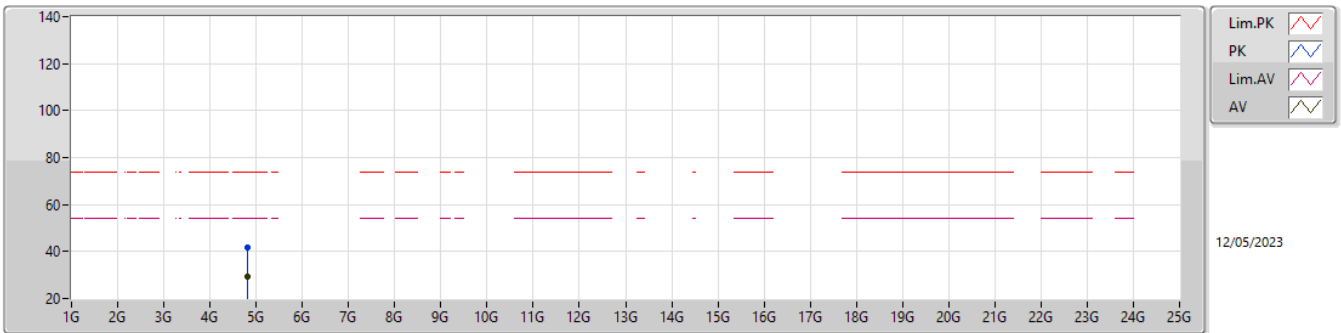
2402MHz_TX



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	2.39G	45.47	54.00	-8.53	31.77	3	Horizontal	152	1.50	13.70	27.52	4.25	-
AV	2.402G	100.07	Inf	-Inf	31.86	3	Horizontal	152	1.50	68.21	27.60	4.26	-
PK	2.3896G	57.44	74.00	-16.56	31.77	3	Horizontal	152	1.50	25.67	27.52	4.25	-
PK	2.4022G	101.11	Inf	-Inf	31.86	3	Horizontal	152	1.50	69.25	27.60	4.26	-

2.4-2.4835GHz_BT-LE(1Mbps)

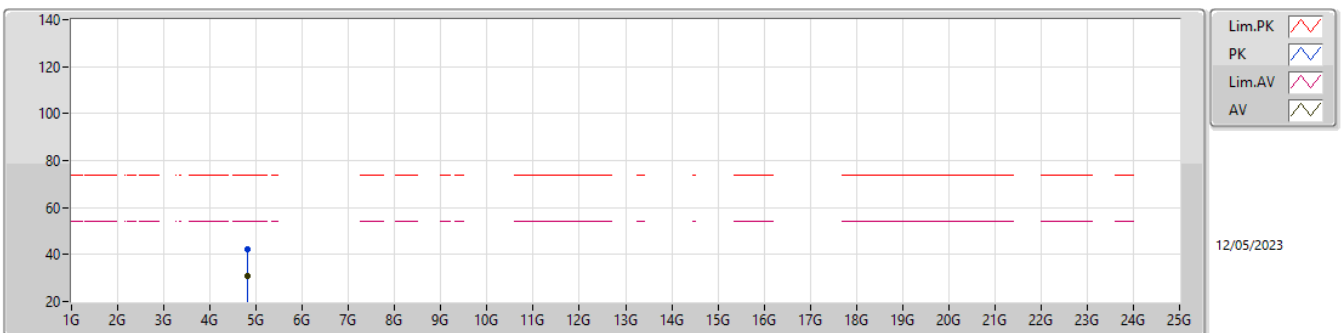
2402MHz_TX



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	4.80333G	29.37	54.00	-24.63	4.19	3	Vertical	151	1.50	25.18	32.22	6.16	34.19
PK	4.80173G	41.90	74.00	-32.10	4.18	3	Vertical	151	1.50	37.72	32.21	6.16	34.19

2.4-2.4835GHz_BT-LE(1Mbps)

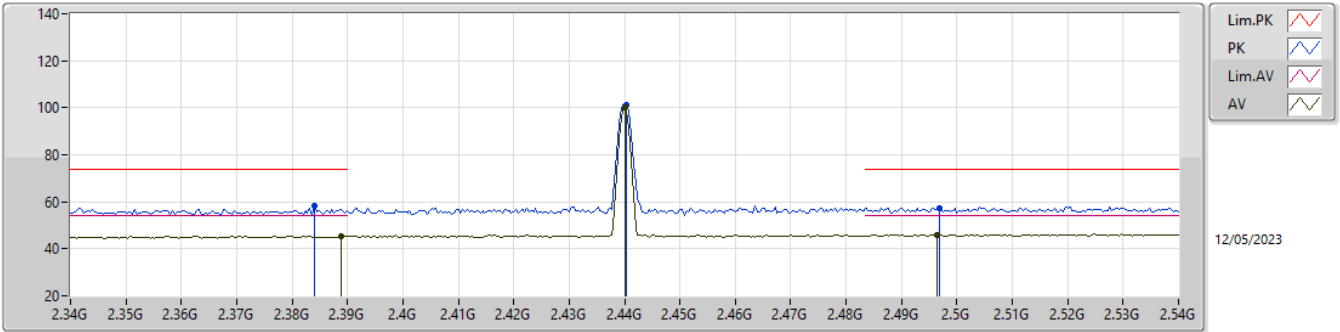
2402MHz_TX



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	4.80355G	31.10	54.00	-22.90	4.19	3	Horizontal	330	2.39	26.91	32.22	6.16	34.19
PK	4.80235G	42.06	74.00	-31.94	4.18	3	Horizontal	330	2.39	37.88	32.21	6.16	34.19

2.4-2.4835GHz_BT-LE(1Mbps)

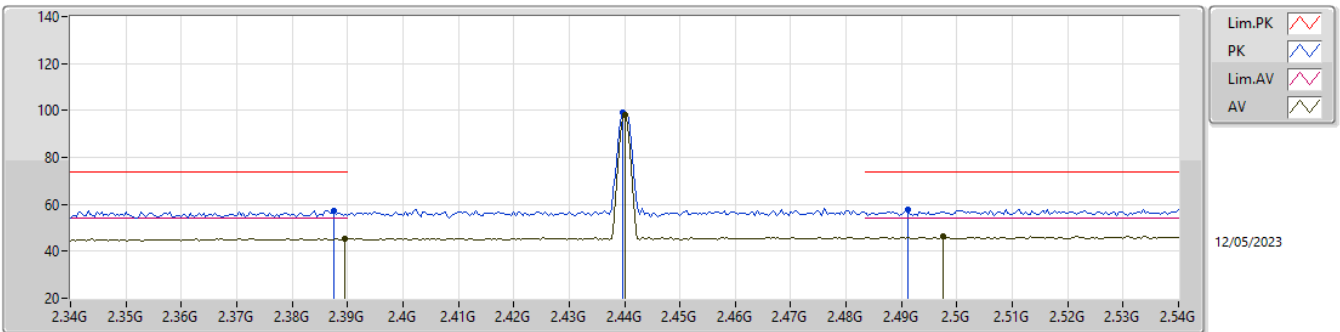
2440MHz_TX



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	2.3888G	45.31	54.00	-8.69	31.76	3	Vertical	53	1.27	13.55	27.51	4.25	-
AV	2.44G	100.03	Inf	-Inf	31.96	3	Vertical	53	1.27	68.07	27.68	4.28	-
AV	2.4964G	46.11	54.00	-7.89	32.21	3	Vertical	53	1.27	13.90	27.89	4.32	-
PK	2.384G	58.43	74.00	-15.57	31.72	3	Vertical	53	1.27	26.71	27.47	4.25	-
PK	2.4404G	101.21	Inf	-Inf	31.96	3	Vertical	53	1.27	69.25	27.68	4.28	-
PK	2.4968G	57.37	74.00	-16.63	32.21	3	Vertical	53	1.27	25.16	27.89	4.32	-

2.4-2.4835GHz_BT-LE(1Mbps)

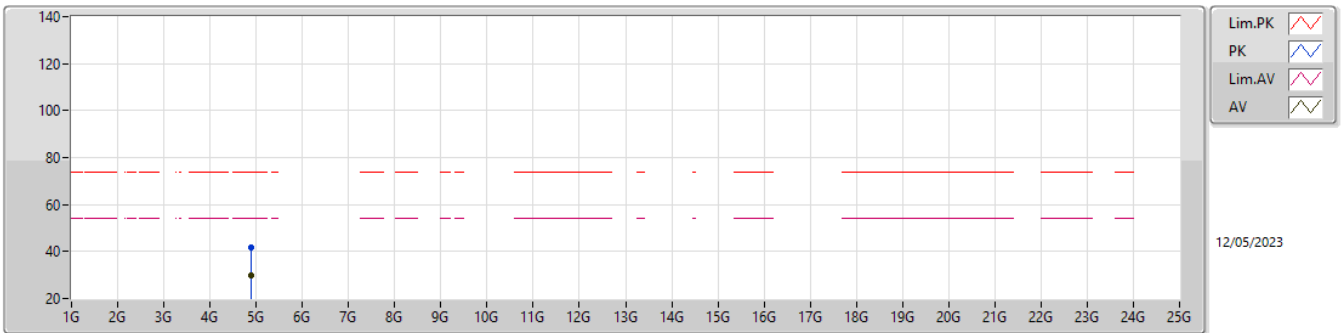
2440MHz_TX



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	2.3896G	45.38	54.00	-8.62	31.77	3	Horizontal	159	1.48	13.61	27.52	4.25	-
AV	2.44G	97.95	Inf	-Inf	31.96	3	Horizontal	159	1.48	65.99	27.68	4.28	-
AV	2.4976G	46.14	54.00	-7.86	32.21	3	Horizontal	159	1.48	13.93	27.89	4.32	-
PK	2.3876G	57.45	74.00	-16.55	31.75	3	Horizontal	159	1.48	25.70	27.50	4.25	-
PK	2.4396G	98.93	Inf	-Inf	31.96	3	Horizontal	159	1.48	66.97	27.68	4.28	-
PK	2.4912G	57.56	74.00	-16.44	32.17	3	Horizontal	159	1.48	25.39	27.86	4.31	-

2.4-2.4835GHz_BT-LE(1Mbps)

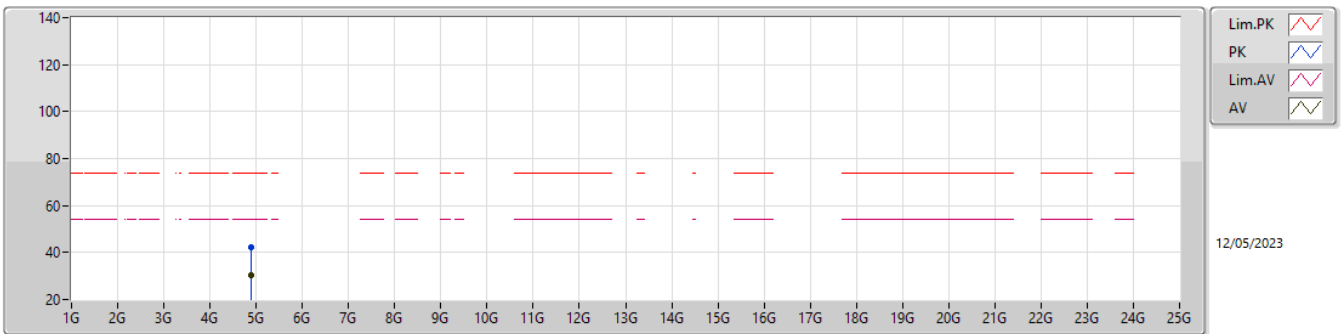
2440MHz_TX



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	4.87781G	29.70	54.00	-24.30	4.66	3	Vertical	64	1.50	25.04	32.61	6.21	34.16
PK	4.87893G	41.97	74.00	-32.03	4.68	3	Vertical	64	1.50	37.29	32.62	6.22	34.16

2.4-2.4835GHz_BT-LE(1Mbps)

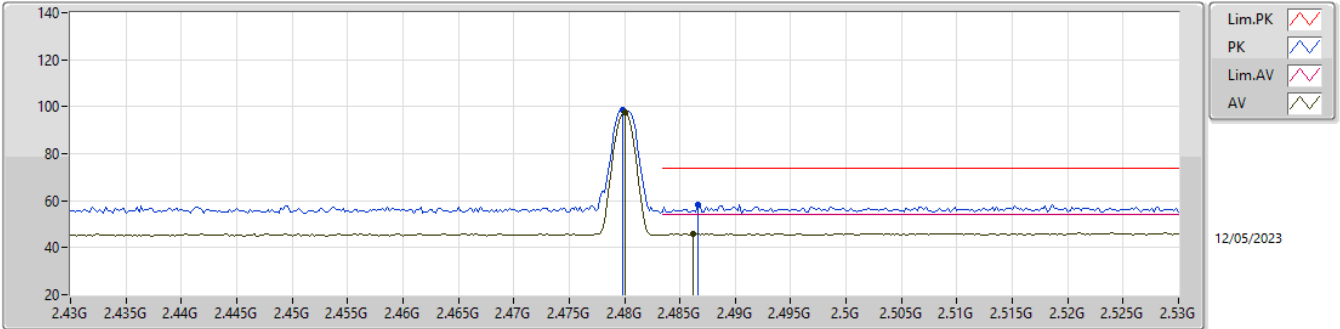
2440MHz_TX



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	4.87811G	30.10	54.00	-23.90	4.66	3	Horizontal	327	1.50	25.44	32.61	6.21	34.16
PK	4.88157G	42.25	74.00	-31.75	4.69	3	Horizontal	327	1.50	37.56	32.63	6.22	34.16

2.4-2.4835GHz_BT-LE(1Mbps)

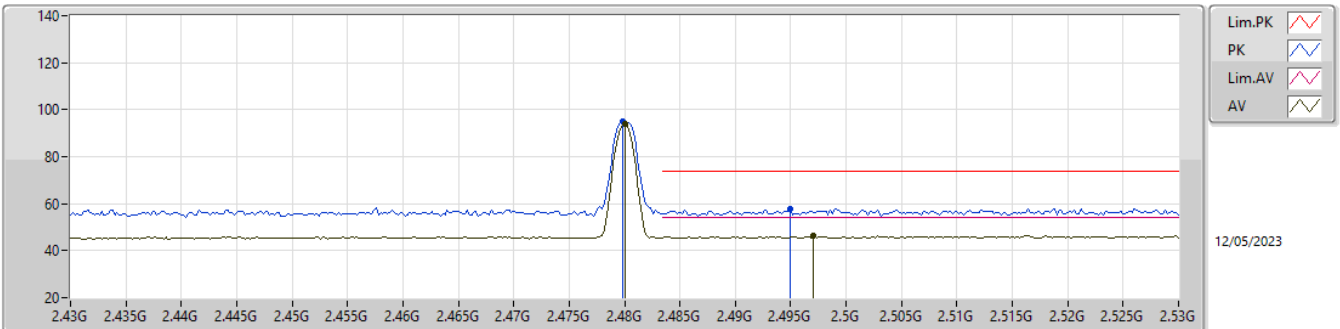
2480MHz_TX



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	2.48G	97.40	Inf	-Inf	32.13	3	Vertical	53	1.31	65.27	27.82	4.31	-
AV	2.4862G	46.04	54.00	-7.96	32.15	3	Vertical	53	1.31	13.89	27.84	4.31	-
PK	2.4798G	98.54	Inf	-Inf	32.13	3	Vertical	53	1.31	66.41	27.82	4.31	-
PK	2.4866G	58.35	74.00	-15.65	32.16	3	Vertical	53	1.31	26.19	27.85	4.31	-

2.4-2.4835GHz_BT-LE(1Mbps)

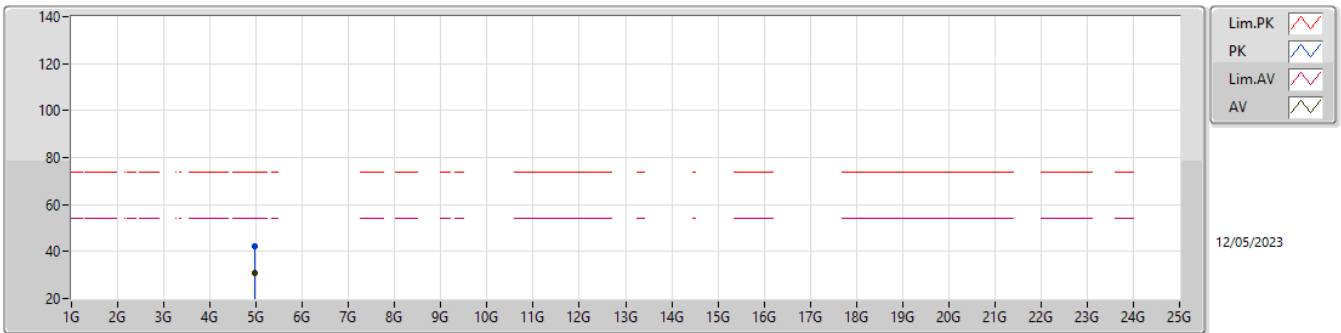
2480MHz_TX



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	2.48G	93.73	Inf	-Inf	32.13	3	Horizontal	160	1.48	61.60	27.82	4.31	-
AV	2.497G	46.18	54.00	-7.82	32.21	3	Horizontal	160	1.48	13.97	27.89	4.32	-
PK	2.4798G	94.87	Inf	-Inf	32.13	3	Horizontal	160	1.48	62.74	27.82	4.31	-
PK	2.495G	57.82	74.00	-16.18	32.20	3	Horizontal	160	1.48	25.62	27.88	4.32	-

2.4-2.4835GHz_BT-LE(1Mbps)

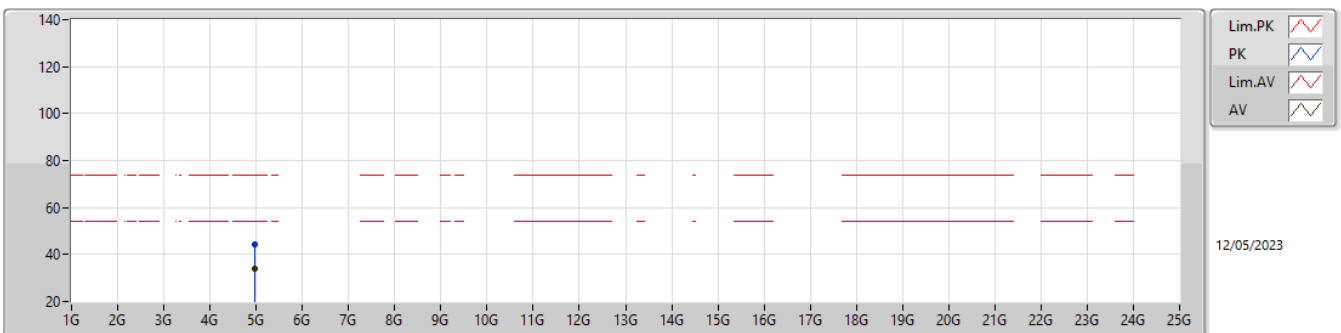
2480MHz_TX



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	4.95979G	30.96	54.00	-23.04	5.18	3	Vertical	315	1.16	25.78	33.04	6.27	34.13
PK	4.95945G	42.44	74.00	-31.56	5.18	3	Vertical	315	1.16	37.26	33.04	6.27	34.13

2.4-2.4835GHz_BT-LE(1Mbps)

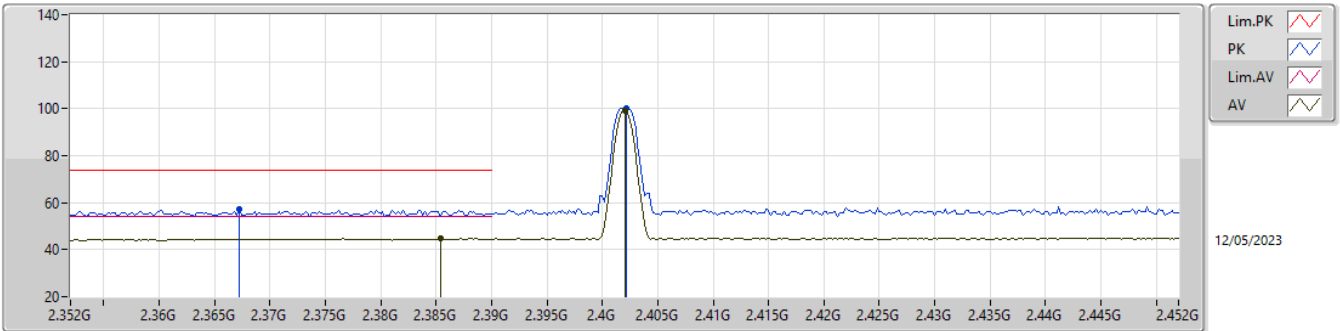
2480MHz_TX



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	4.96018G	33.94	54.00	-20.06	5.18	3	Horizontal	307	2.33	28.76	33.04	6.27	34.13
PK	4.95937G	44.32	74.00	-29.68	5.18	3	Horizontal	307	2.33	39.14	33.04	6.27	34.13

2.4-2.4835GHz_BT-LE(125kbps)

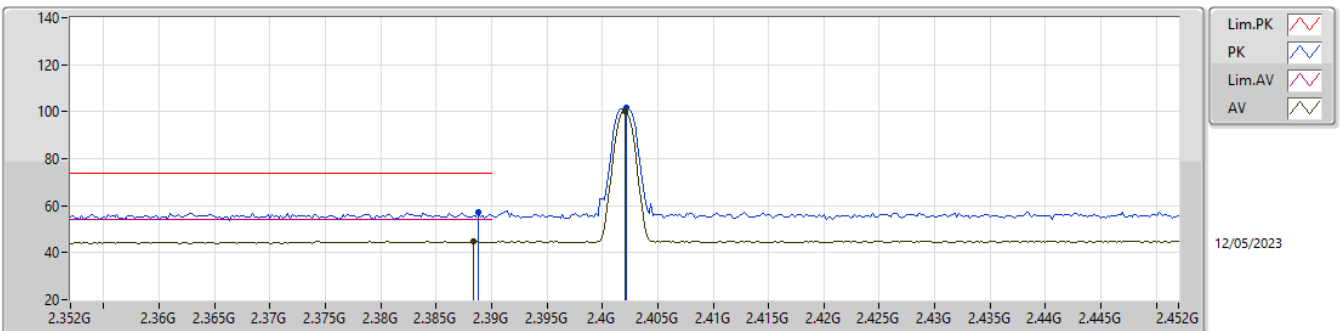
2402MHz_TX



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	2.3854G	44.79	54.00	-9.21	31.73	3	Vertical	54	1.69	13.06	27.48	4.25	-
AV	2.402G	99.17	Inf	-Inf	31.86	3	Vertical	54	1.69	67.31	27.60	4.26	-
PK	2.3672G	57.16	74.00	-16.84	31.57	3	Vertical	54	1.69	25.59	27.34	4.23	-
PK	2.4022G	100.39	Inf	-Inf	31.86	3	Vertical	54	1.69	68.53	27.60	4.26	-

2.4-2.4835GHz_BT-LE(125kbps)

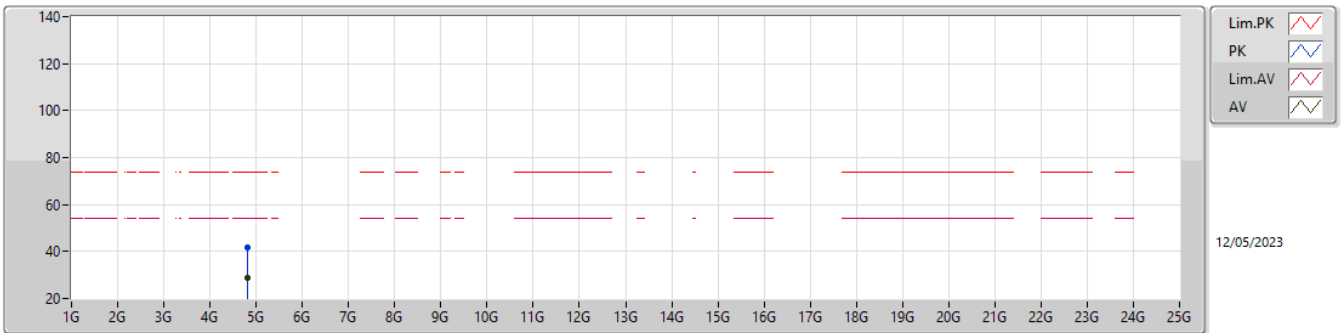
2402MHz_TX



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	2.3884G	44.73	54.00	-9.27	31.76	3	Horizontal	153	1.50	12.97	27.51	4.25	-
AV	2.402G	100.32	Inf	-Inf	31.86	3	Horizontal	153	1.50	68.46	27.60	4.26	-
PK	2.3888G	57.50	74.00	-16.50	31.76	3	Horizontal	153	1.50	25.74	27.51	4.25	-
PK	2.4022G	101.49	Inf	-Inf	31.86	3	Horizontal	153	1.50	69.63	27.60	4.26	-

2.4-2.4835GHz_BT-LE(125kbps)

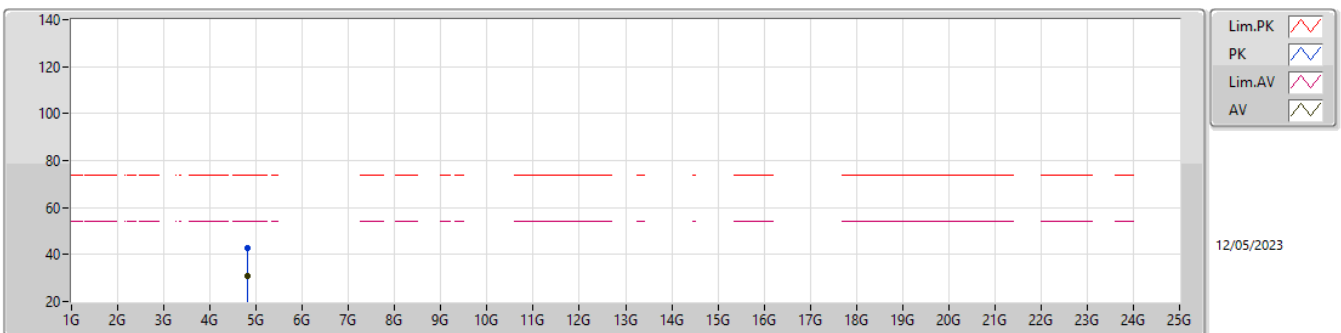
2402MHz_TX



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	4.80423G	28.96	54.00	-25.04	4.20	3	Vertical	340	2.99	24.76	32.23	6.16	34.19
PK	4.80338G	41.88	74.00	-32.12	4.19	3	Vertical	340	2.99	37.69	32.22	6.16	34.19

2.4-2.4835GHz_BT-LE(125kbps)

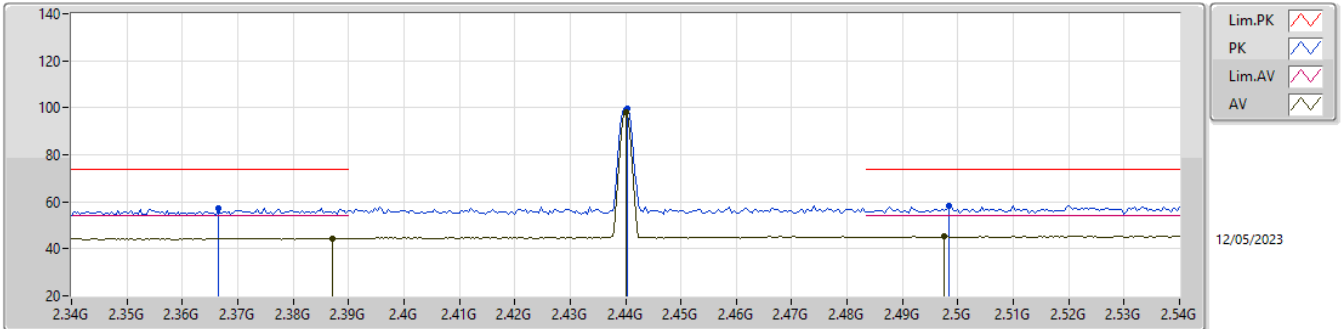
2402MHz_TX



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	4.80409G	31.10	54.00	-22.90	4.19	3	Horizontal	325	2.50	26.91	32.22	6.16	34.19
PK	4.80436G	42.51	74.00	-31.49	4.20	3	Horizontal	325	2.50	38.31	32.23	6.16	34.19

2.4-2.4835GHz_BT-LE(125kbps)

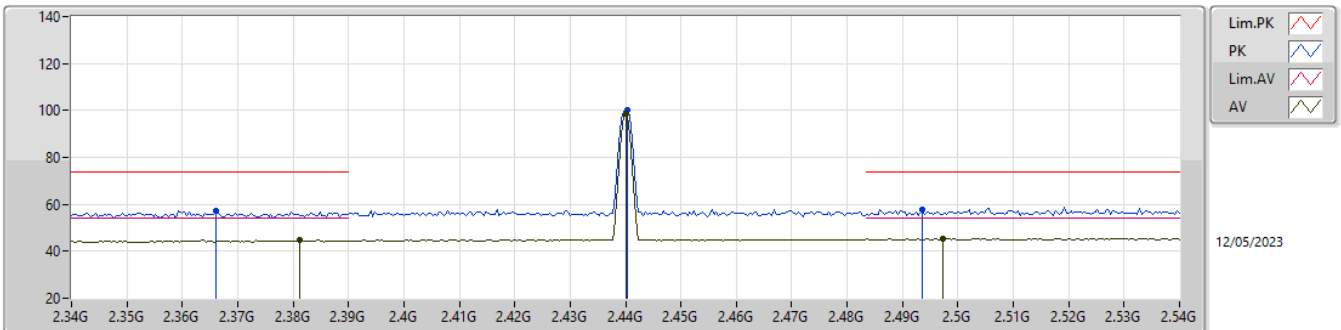
2440MHz_TX



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	2.3872G	44.55	54.00	-9.45	31.75	3	Vertical	338	1.81	12.80	27.50	4.25	-
AV	2.44G	98.36	Inf	-Inf	31.96	3	Vertical	338	1.81	66.40	27.68	4.28	-
AV	2.4976G	45.19	54.00	-8.81	32.21	3	Vertical	338	1.81	12.98	27.89	4.32	-
PK	2.3664G	57.27	74.00	-16.73	31.56	3	Vertical	338	1.81	25.71	27.33	4.23	-
PK	2.4404G	99.53	Inf	-Inf	31.96	3	Vertical	338	1.81	67.57	27.68	4.28	-
PK	2.4984G	58.13	74.00	-15.87	32.21	3	Vertical	338	1.81	25.92	27.89	4.32	-

2.4-2.4835GHz_BT-LE(125kbps)

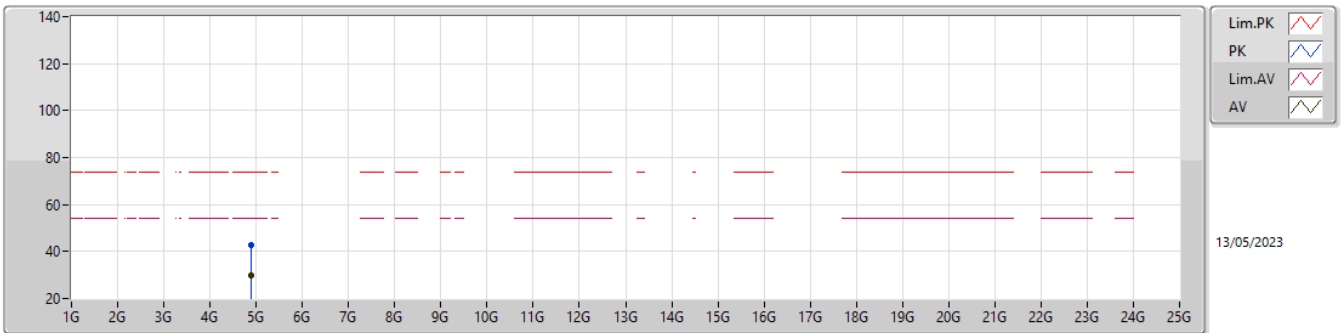
2440MHz_TX



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	2.3812G	44.60	54.00	-9.40	31.69	3	Horizontal	353	1.32	12.91	27.45	4.24	-
AV	2.44G	98.61	Inf	-Inf	31.96	3	Horizontal	353	1.32	66.65	27.68	4.28	-
AV	2.4972G	45.19	54.00	-8.81	32.21	3	Horizontal	353	1.32	12.98	27.89	4.32	-
PK	2.366G	57.27	74.00	-16.73	31.56	3	Horizontal	353	1.32	25.71	27.33	4.23	-
PK	2.4404G	99.93	Inf	-Inf	31.96	3	Horizontal	353	1.32	67.97	27.68	4.28	-
PK	2.4936G	57.73	74.00	-16.27	32.19	3	Horizontal	353	1.32	25.54	27.87	4.32	-

2.4-2.4835GHz_BT-LE(125kbps)

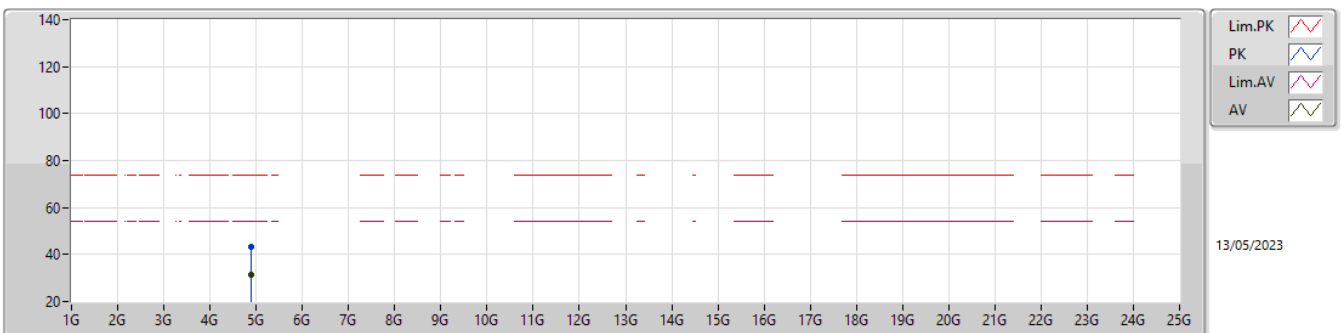
2440MHz_TX



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	4.87956G	29.80	54.00	-24.20	4.68	3	Vertical	310	1.03	25.12	32.62	6.22	34.16
PK	4.88021G	42.85	74.00	-31.15	4.68	3	Vertical	310	1.03	38.17	32.62	6.22	34.16

2.4-2.4835GHz_BT-LE(125kbps)

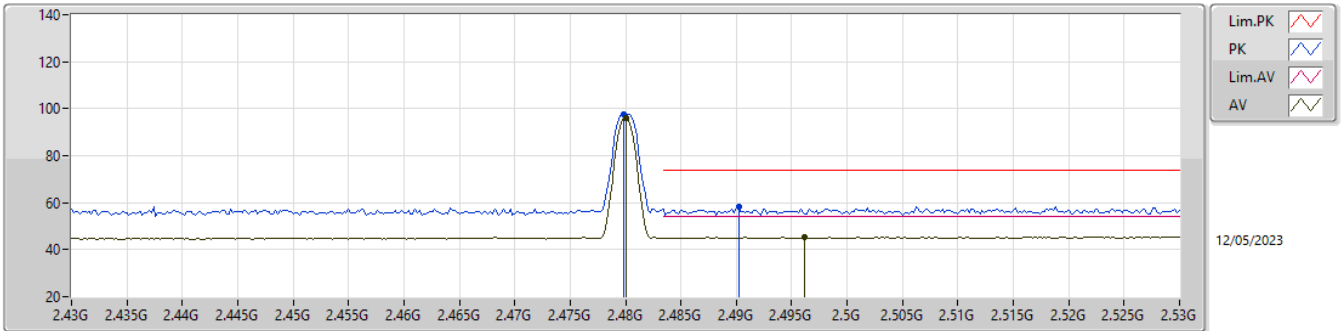
2440MHz_TX



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	4.87979G	31.48	54.00	-22.52	4.68	3	Horizontal	322	2.41	26.80	32.62	6.22	34.16
PK	4.88066G	43.22	74.00	-30.78	4.68	3	Horizontal	322	2.41	38.54	32.62	6.22	34.16

2.4-2.4835GHz_BT-LE(125kbps)

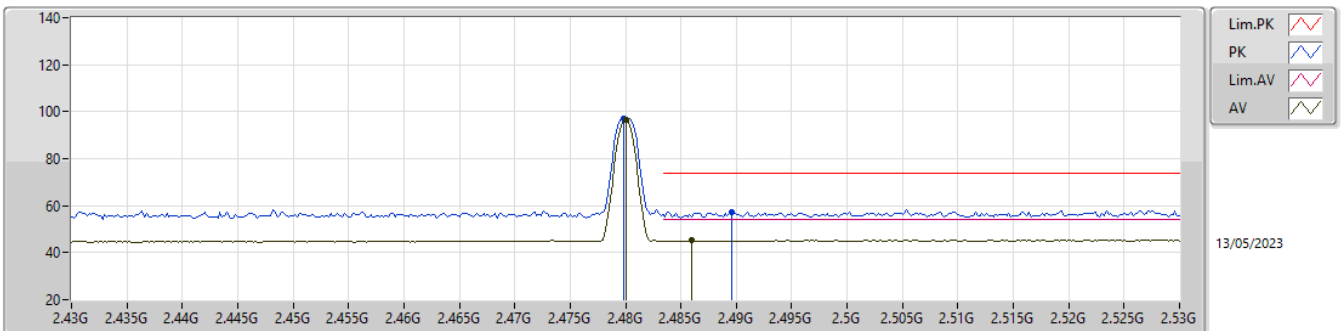
2480MHz_TX



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	2.48G	96.18	Inf	-Inf	32.13	3	Vertical	330	1.58	64.05	27.82	4.31	-
AV	2.4962G	45.22	54.00	-8.78	32.20	3	Vertical	330	1.58	13.02	27.88	4.32	-
PK	2.4798G	97.56	Inf	-Inf	32.13	3	Vertical	330	1.58	65.43	27.82	4.31	-
PK	2.4902G	58.23	74.00	-15.77	32.17	3	Vertical	330	1.58	26.06	27.86	4.31	-

2.4-2.4835GHz_BT-LE(125kbps)

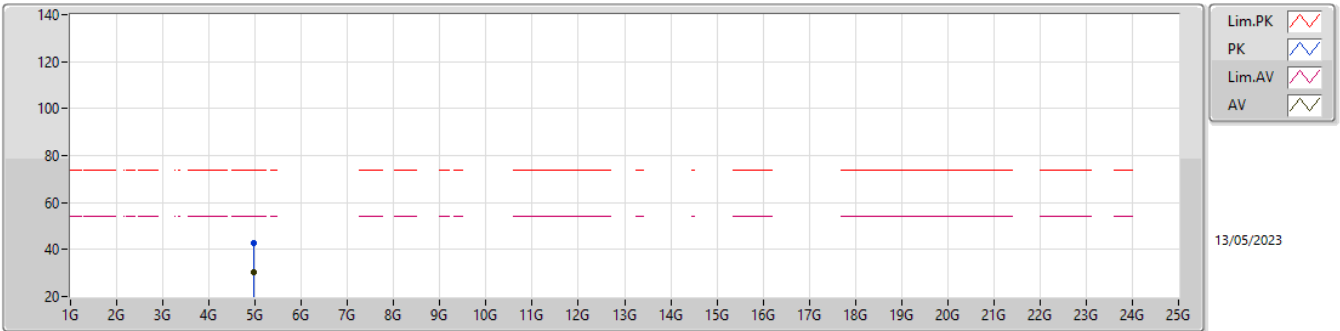
2480MHz_TX



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	2.48G	96.40	Inf	-Inf	32.13	3	Horizontal	0	1.11	64.27	27.82	4.31	-
AV	2.486G	45.24	54.00	-8.76	32.15	3	Horizontal	0	1.11	13.09	27.84	4.31	-
PK	2.4798G	97.17	Inf	-Inf	32.13	3	Horizontal	0	1.11	65.04	27.82	4.31	-
PK	2.4896G	57.20	74.00	-16.80	32.17	3	Horizontal	0	1.11	25.03	27.86	4.31	-

2.4-2.4835GHz_BT-LE(125kbps)

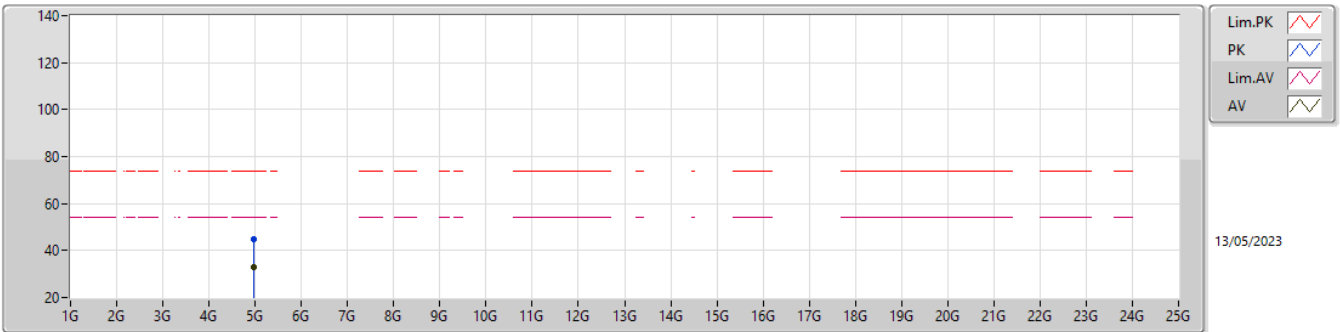
2480MHz_TX



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	4.96039G	30.22	54.00	-23.78	5.18	3	Vertical	325	1.08	25.04	33.04	6.27	34.13
PK	4.9584G	42.92	74.00	-31.08	5.17	3	Vertical	325	1.08	37.75	33.03	6.27	34.13

2.4-2.4835GHz_BT-LE(125kbps)

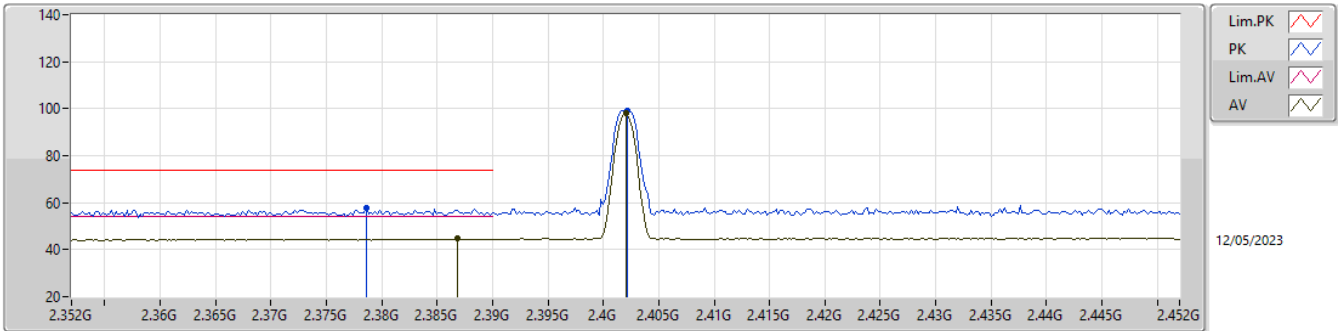
2480MHz_TX



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	4.9601G	32.94	54.00	-21.06	5.18	3	Horizontal	328	2.23	27.76	33.04	6.27	34.13
PK	4.96062G	44.96	74.00	-29.04	5.18	3	Horizontal	328	2.23	39.78	33.04	6.27	34.13

2.4-2.4835GHz_BT-LE(500kbps)

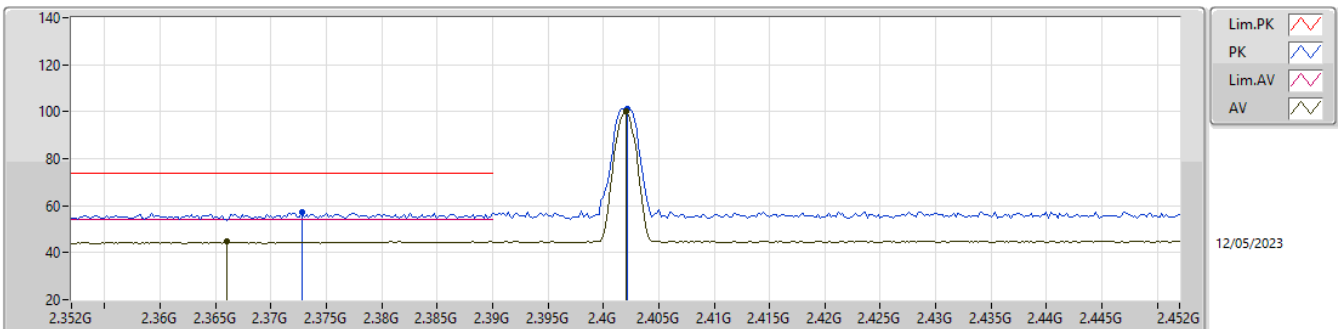
2402MHz_TX



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	2.3868G	44.69	54.00	-9.31	31.74	3	Vertical	51	1.36	12.95	27.49	4.25	-
AV	2.402G	98.11	Inf	-Inf	31.86	3	Vertical	51	1.36	66.25	27.60	4.26	-
PK	2.3786G	57.81	74.00	-16.19	31.67	3	Vertical	51	1.36	26.14	27.43	4.24	-
PK	2.4022G	99.34	Inf	-Inf	31.86	3	Vertical	51	1.36	67.48	27.60	4.26	-

2.4-2.4835GHz_BT-LE(500kbps)

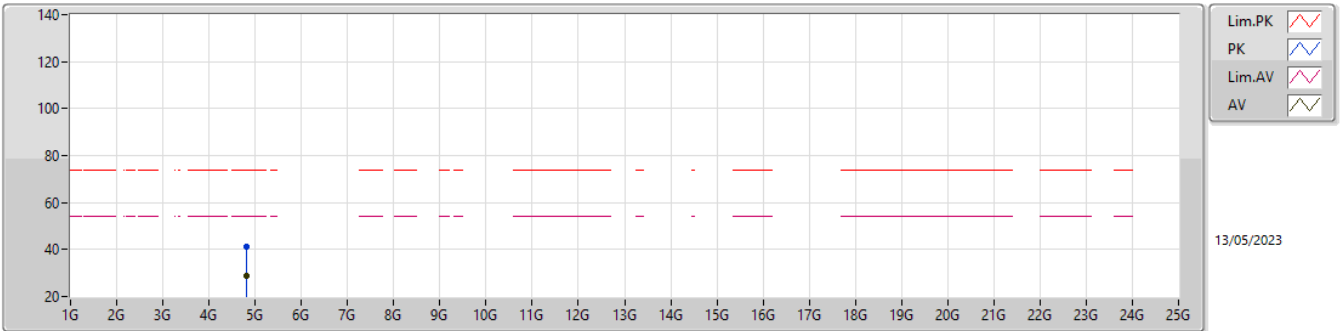
2402MHz_TX



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	2.366G	44.80	54.00	-9.20	31.56	3	Horizontal	154	1.51	13.24	27.33	4.23	-
AV	2.402G	100.05	Inf	-Inf	31.86	3	Horizontal	154	1.51	68.19	27.60	4.26	-
PK	2.3728G	57.01	74.00	-16.99	31.62	3	Horizontal	154	1.51	25.39	27.38	4.24	-
PK	2.4022G	101.22	Inf	-Inf	31.86	3	Horizontal	154	1.51	69.36	27.60	4.26	-

2.4-2.4835GHz_BT-LE(500kbps)

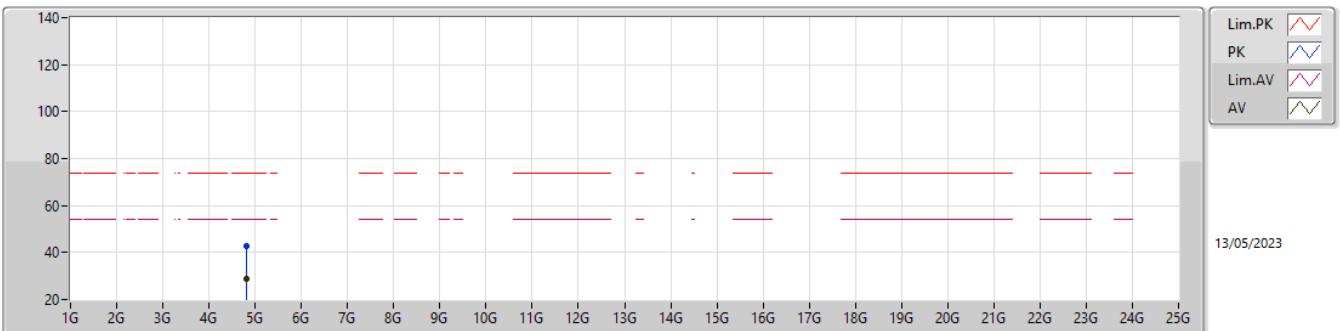
2402MHz_TX



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	4.8065G	28.54	54.00	-25.46	4.21	3	Vertical	239	1.50	24.33	32.24	6.16	34.19
PK	4.80273G	41.33	74.00	-32.67	4.19	3	Vertical	239	1.50	37.14	32.22	6.16	34.19

2.4-2.4835GHz_BT-LE(500kbps)

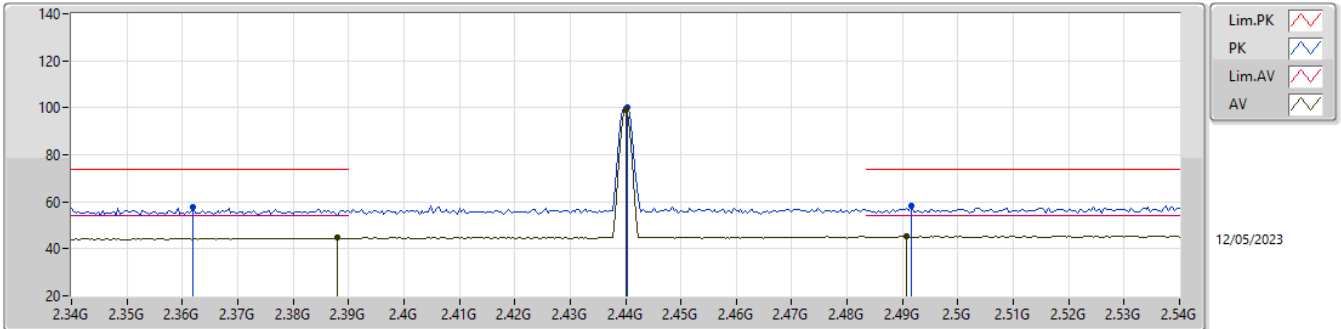
2402MHz_TX



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	4.80363G	29.03	54.00	-24.97	4.19	3	Horizontal	50	1.50	24.84	32.22	6.16	34.19
PK	4.80205G	42.89	74.00	-31.11	4.18	3	Horizontal	50	1.50	38.71	32.21	6.16	34.19

2.4-2.4835GHz_BT-LE(500kbps)

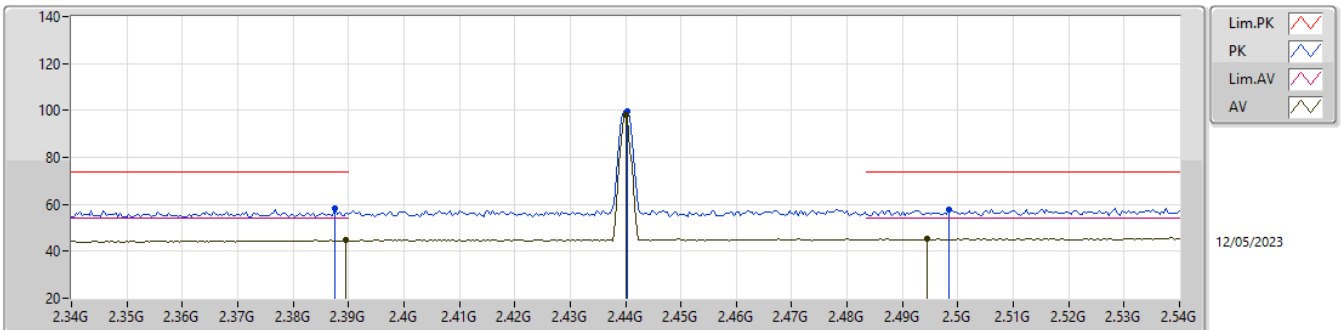
2440MHz_TX



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	2.388G	44.65	54.00	-9.35	31.75	3	Vertical	53	1.27	12.90	27.50	4.25	-
AV	2.44G	99.27	Inf	-Inf	31.96	3	Vertical	53	1.27	67.31	27.68	4.28	-
AV	2.4908G	45.34	54.00	-8.66	32.17	3	Vertical	53	1.27	13.17	27.86	4.31	-
PK	2.362G	57.79	74.00	-16.21	31.53	3	Vertical	53	1.27	26.26	27.30	4.23	-
PK	2.4404G	100.38	Inf	-Inf	31.96	3	Vertical	53	1.27	68.42	27.68	4.28	-
PK	2.4916G	58.22	74.00	-15.78	32.18	3	Vertical	53	1.27	26.04	27.87	4.31	-

2.4-2.4835GHz_BT-LE(500kbps)

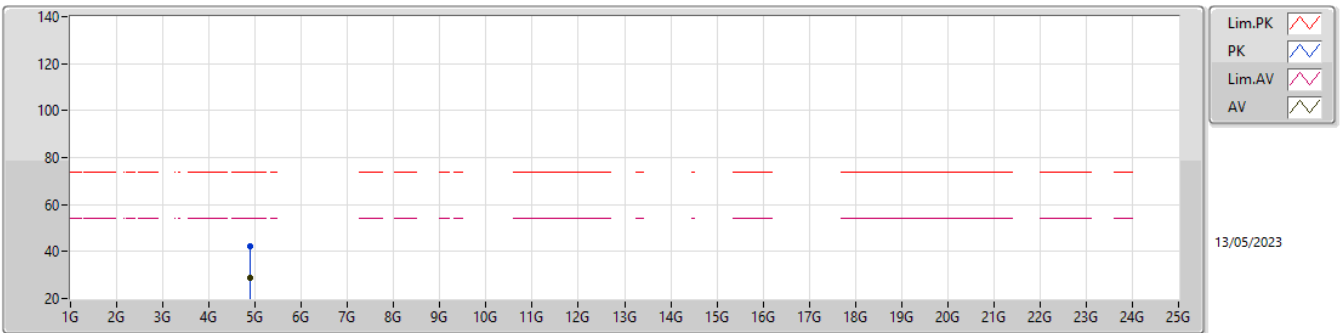
2440MHz_TX



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	2.3896G	44.70	54.00	-9.30	31.77	3	Horizontal	157	1.48	12.93	27.52	4.25	-
AV	2.44G	98.20	Inf	-Inf	31.96	3	Horizontal	157	1.48	66.24	27.68	4.28	-
AV	2.4944G	45.28	54.00	-8.72	32.20	3	Horizontal	157	1.48	13.08	27.88	4.32	-
PK	2.3876G	58.29	74.00	-15.71	31.75	3	Horizontal	157	1.48	26.54	27.50	4.25	-
PK	2.4404G	99.70	Inf	-Inf	31.96	3	Horizontal	157	1.48	67.74	27.68	4.28	-
PK	2.4984G	57.99	74.00	-16.41	32.21	3	Horizontal	157	1.48	25.38	27.89	4.32	-

2.4-2.4835GHz_BT-LE(500kbps)

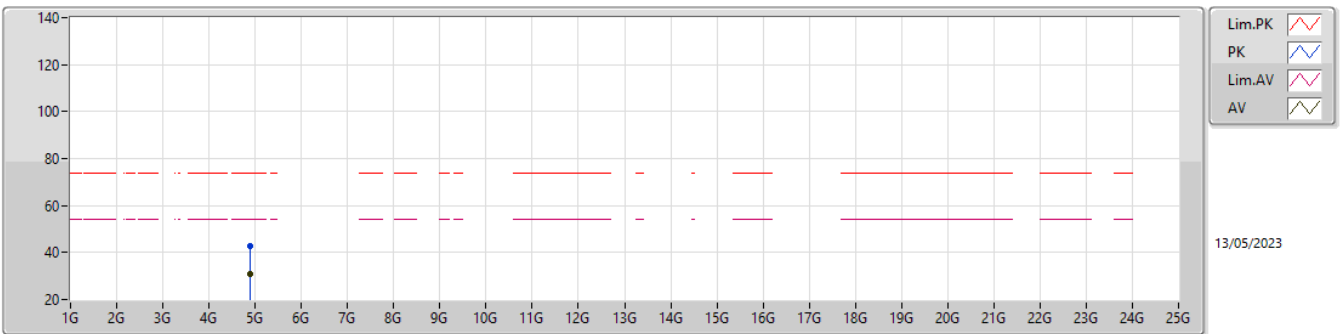
2440MHz_TX



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	4.87989G	28.86	54.00	-25.14	4.68	3	Vertical	246	1.50	24.18	32.62	6.22	34.16
PK	4.87801G	42.26	74.00	-31.74	4.66	3	Vertical	246	1.50	37.60	32.61	6.21	34.16

2.4-2.4835GHz_BT-LE(500kbps)

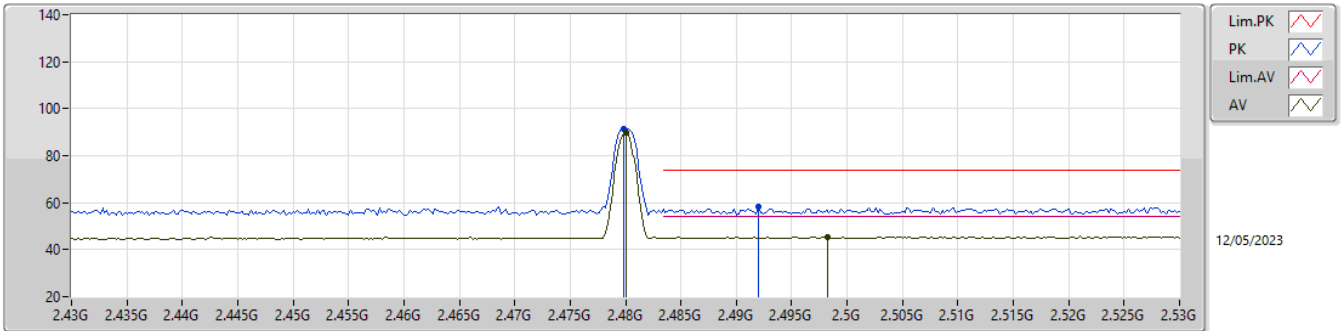
2440MHz_TX



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	4.87996G	30.92	54.00	-23.08	4.68	3	Horizontal	30	1.00	26.24	32.62	6.22	34.16
PK	4.87931G	42.86	74.00	-31.14	4.68	3	Horizontal	30	1.00	38.18	32.62	6.22	34.16

2.4-2.4835GHz_BT-LE(500kbps)

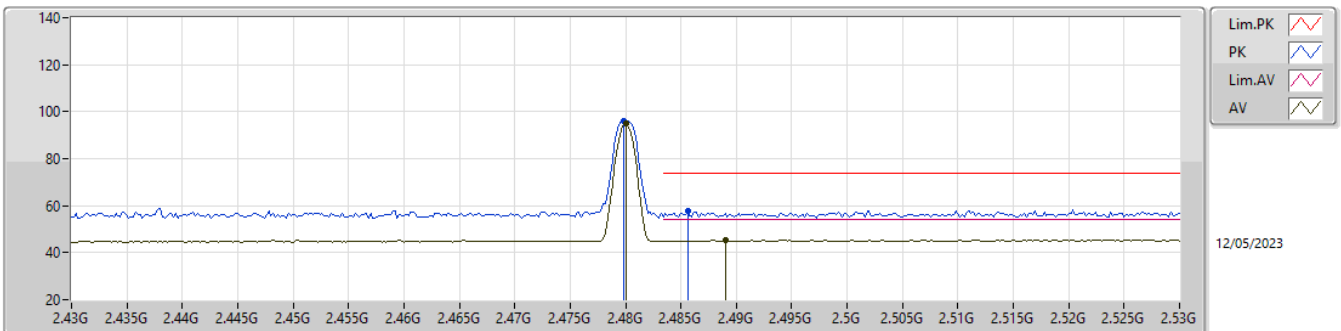
2480MHz_TX



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	2.48G	90.03	Inf	-Inf	32.13	3	Vertical	15	3.00	57.90	27.82	4.31	-
AV	2.4982G	45.47	54.00	-8.53	32.21	3	Vertical	15	3.00	13.26	27.89	4.32	-
PK	2.4798G	91.31	Inf	-Inf	32.13	3	Vertical	15	3.00	59.18	27.82	4.31	-
PK	2.492G	58.13	74.00	-15.87	32.19	3	Vertical	15	3.00	25.94	27.87	4.32	-

2.4-2.4835GHz_BT-LE(500kbps)

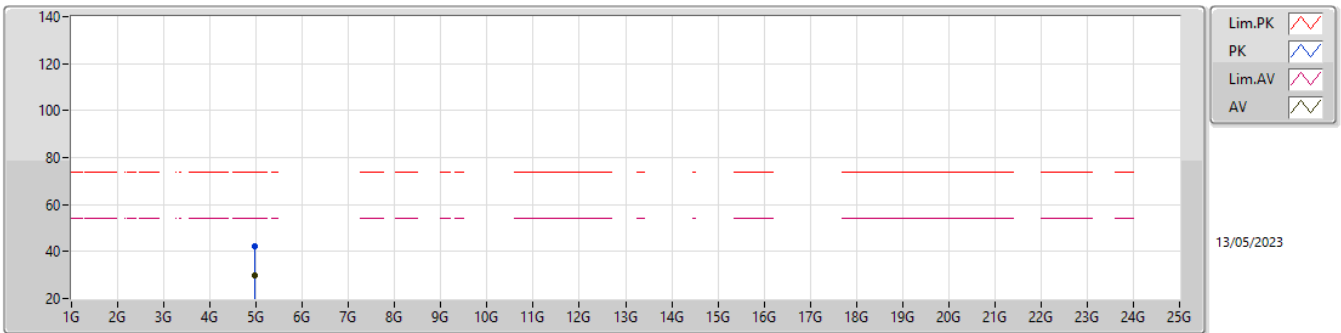
2480MHz_TX



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	2.48G	94.83	Inf	-Inf	32.13	3	Horizontal	160	1.46	62.70	27.82	4.31	-
AV	2.489G	45.36	54.00	-8.64	32.17	3	Horizontal	160	1.46	13.19	27.86	4.31	-
PK	2.4798G	95.99	Inf	-Inf	32.13	3	Horizontal	160	1.46	63.86	27.82	4.31	-
PK	2.4856G	57.61	74.00	-16.39	32.15	3	Horizontal	160	1.46	25.46	27.84	4.31	-

2.4-2.4835GHz_BT-LE(500kbps)

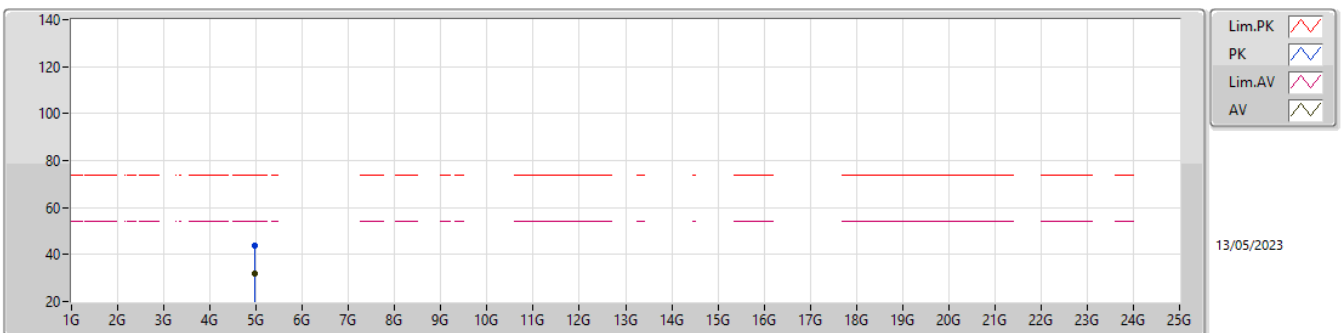
2480MHz_TX



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	4.95947G	29.99	54.00	-24.01	5.18	3	Vertical	182	1.01	24.81	33.04	6.27	34.13
PK	4.95761G	42.32	74.00	-31.68	5.16	3	Vertical	182	1.01	37.16	33.03	6.27	34.14

2.4-2.4835GHz_BT-LE(500kbps)

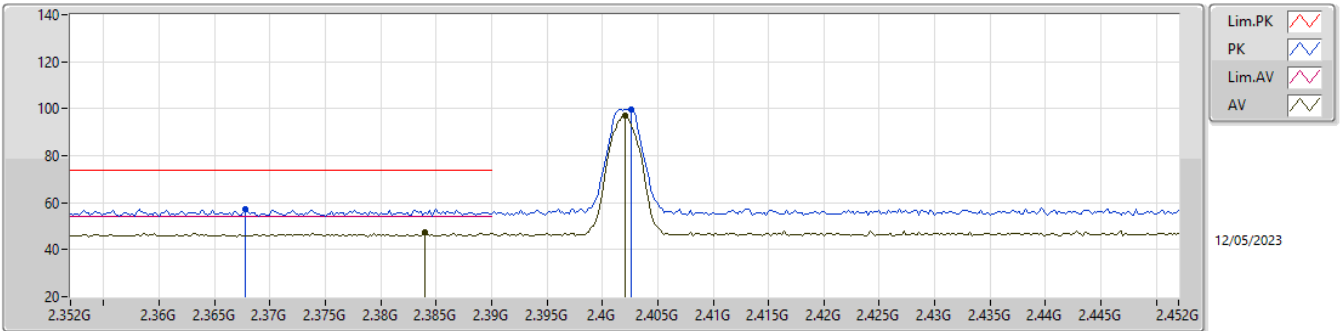
2480MHz_TX



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	4.95977G	31.91	54.00	-22.09	5.18	3	Horizontal	26	1.06	26.73	33.04	6.27	34.13
PK	4.96011G	43.85	74.00	-30.15	5.18	3	Horizontal	26	1.06	38.67	33.04	6.27	34.13

2.4-2.4835GHz_BT-LE(2Mbps)

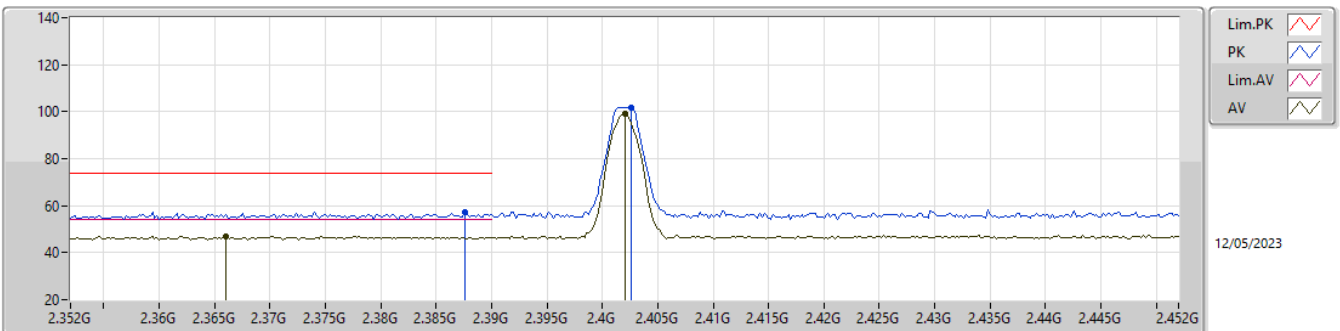
2402MHz_TX



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	2.384G	47.19	54.00	-6.81	31.72	3	Vertical	53	1.68	15.47	27.47	4.25	-
AV	2.402G	97.16	Inf	-Inf	31.86	3	Vertical	53	1.68	65.30	27.60	4.26	-
PK	2.3678G	57.46	74.00	-16.54	31.57	3	Vertical	53	1.68	25.89	27.34	4.23	-
PK	2.4026G	99.72	Inf	-Inf	31.87	3	Vertical	53	1.68	67.85	27.61	4.26	-

2.4-2.4835GHz_BT-LE(2Mbps)

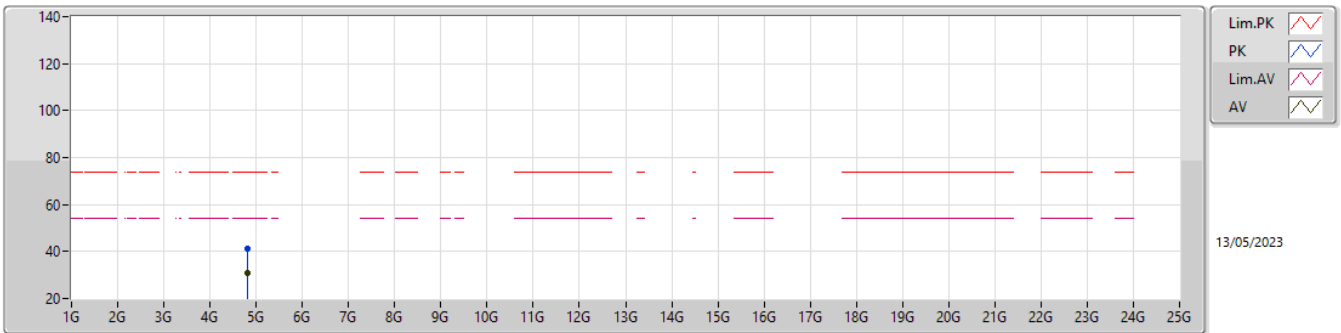
2402MHz_TX



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	2.366G	46.97	54.00	-7.03	31.56	3	Horizontal	153	1.50	15.41	27.33	4.23	-
AV	2.402G	99.14	Inf	-Inf	31.86	3	Horizontal	153	1.50	67.28	27.60	4.26	-
PK	2.3876G	57.26	74.00	-16.74	31.75	3	Horizontal	153	1.50	25.51	27.50	4.25	-
PK	2.4026G	101.98	Inf	-Inf	31.87	3	Horizontal	153	1.50	70.11	27.61	4.26	-

2.4-2.4835GHz_BT-LE(2Mbps)

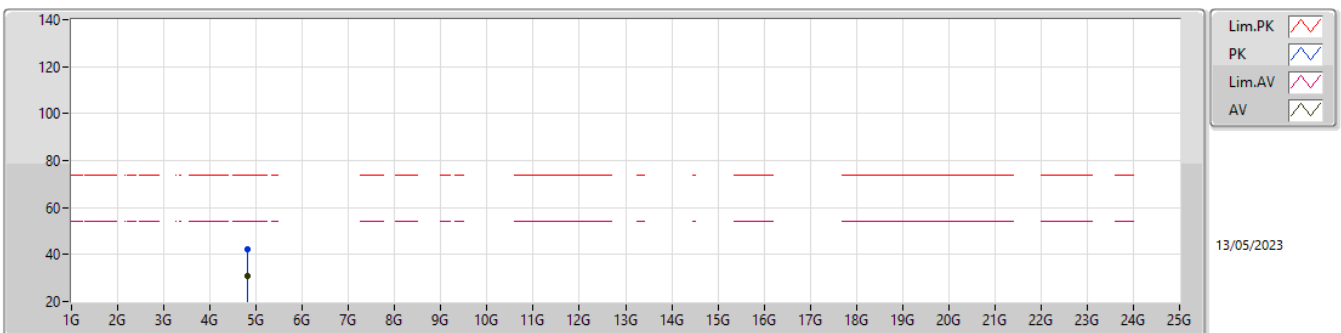
2402MHz_TX



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	4.80297G	30.76	54.00	-23.24	4.19	3	Vertical	60	1.50	26.57	32.22	6.16	34.19
PK	4.80311G	41.31	74.00	-32.69	4.19	3	Vertical	60	1.50	37.12	32.22	6.16	34.19

2.4-2.4835GHz_BT-LE(2Mbps)

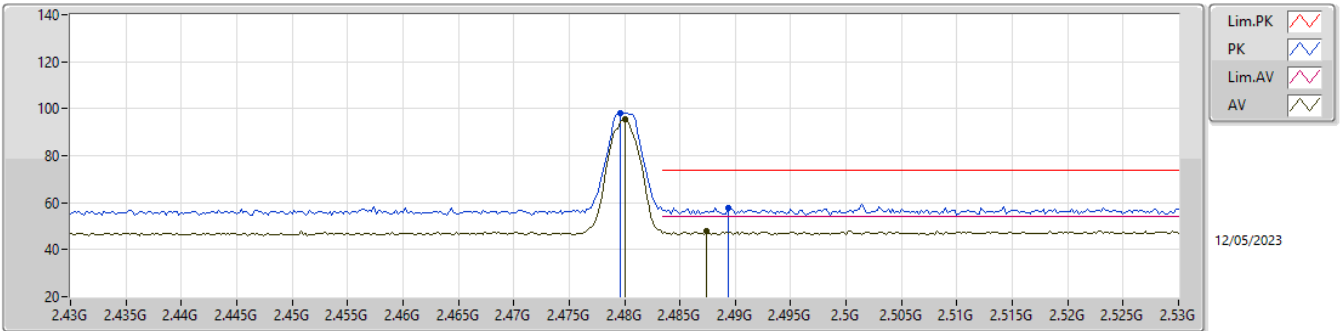
2402MHz_TX



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	4.80479G	31.12	54.00	-22.88	4.20	3	Horizontal	312	1.50	26.92	32.23	6.16	34.19
PK	4.80377G	41.99	74.00	-32.01	4.19	3	Horizontal	312	1.50	37.80	32.22	6.16	34.19

2.4-2.4835GHz_BT-LE(2Mbps)

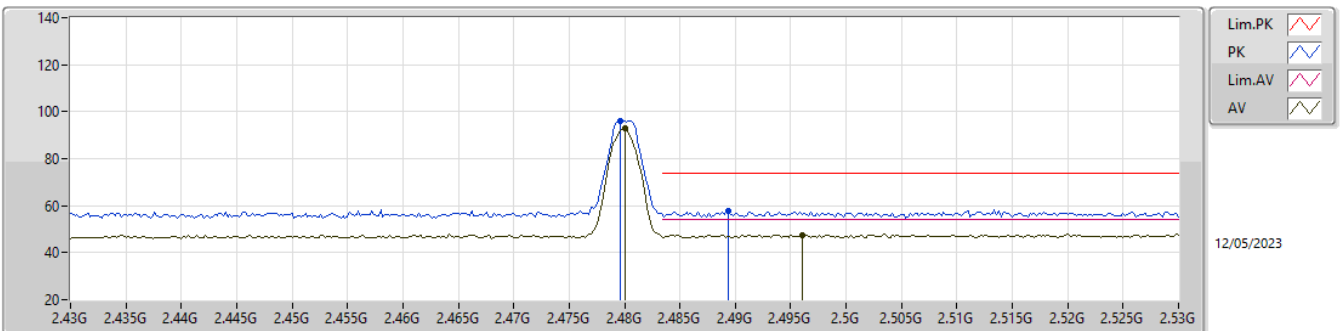
2480MHz_TX



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	2.48G	95.63	Inf	-Inf	32.13	3	Vertical	55	1.62	63.50	27.82	4.31	-
AV	2.4874G	47.76	54.00	-6.24	32.16	3	Vertical	55	1.62	15.60	27.85	4.31	-
PK	2.4796G	98.21	Inf	-Inf	32.13	3	Vertical	55	1.62	66.08	27.82	4.31	-
PK	2.4894G	57.96	74.00	-16.04	32.17	3	Vertical	55	1.62	25.79	27.86	4.31	-

2.4-2.4835GHz_BT-LE(2Mbps)

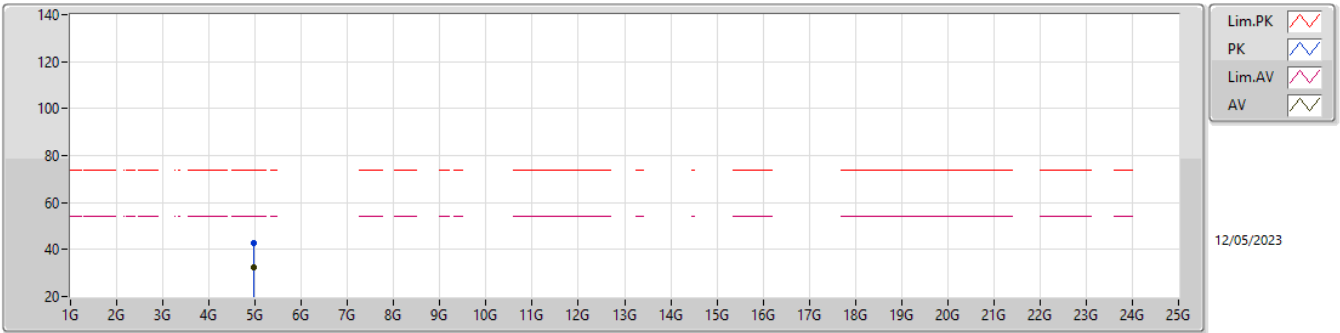
2480MHz_TX



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	2.48G	93.03	Inf	-Inf	32.13	3	Horizontal	163	1.50	60.90	27.82	4.31	-
AV	2.496G	47.59	54.00	-6.41	32.20	3	Horizontal	163	1.50	15.39	27.88	4.32	-
PK	2.4796G	96.07	Inf	-Inf	32.13	3	Horizontal	163	1.50	63.94	27.82	4.31	-
PK	2.4894G	57.79	74.00	-16.21	32.17	3	Horizontal	163	1.50	25.62	27.86	4.31	-

2.4-2.4835GHz_BT-LE(2Mbps)

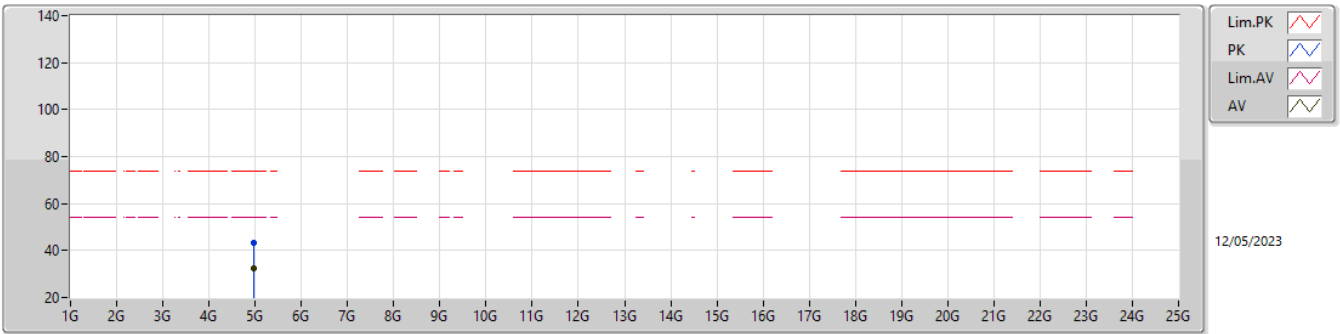
2480MHz_TX



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	4.96338G	32.58	54.00	-21.42	5.19	3	Vertical	334	1.46	27.39	33.05	6.27	34.13
PK	4.96166G	42.73	74.00	-31.27	5.19	3	Vertical	334	1.46	37.54	33.05	6.27	34.13

2.4-2.4835GHz_BT-LE(2Mbps)

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	4.96132G	32.28	54.00	-21.72	5.19	3	Horizontal	218	2.02	27.09	33.05	6.27	34.13
PK	4.96108G	43.32	74.00	-30.68	5.18	3	Horizontal	218	2.02	38.14	33.04	6.27	34.13



Summary

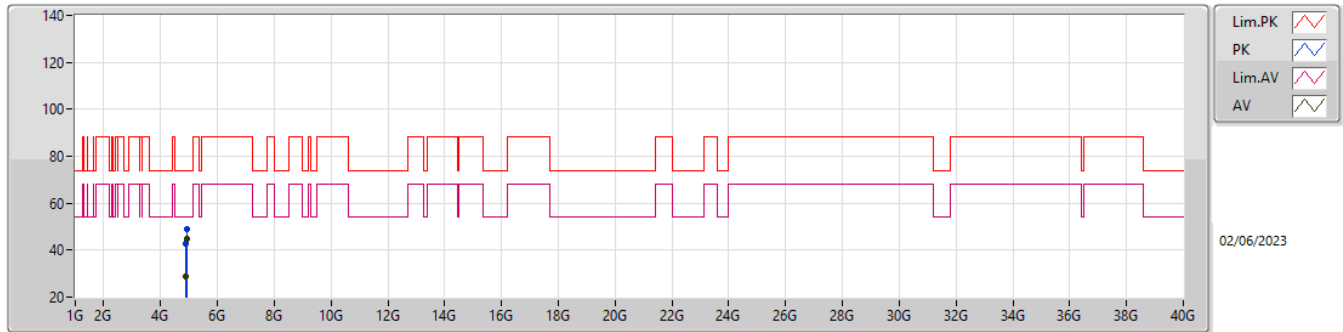
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.92391G	44.72	54.00	-9.28	Vertical
Mode 2	Pass	AV	4.88017G	30.94	54.00	-23.06	Horizontal



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	4.87991G	28.93	54.00	-25.07	4.68	3	Vertical	0	1.00
Mode 1	Pass	AV	4.92391G	44.72	54.00	-9.28	4.94	3	Vertical	0	1.00
Mode 1	Pass	PK	4.87985G	42.52	74.00	-31.48	4.68	3	Vertical	0	1.00
Mode 1	Pass	PK	4.92387G	49.09	74.00	-24.91	4.94	3	Vertical	0	1.00
Mode 1	Pass	AV	4.92381G	43.13	54.00	-10.87	4.94	3	Horizontal	360	1.00
Mode 1	Pass	AV	4.88021G	30.86	54.00	-23.14	4.68	3	Horizontal	360	1.00
Mode 1	Pass	PK	4.92393G	48.22	74.00	-25.78	4.94	3	Horizontal	360	1.00
Mode 1	Pass	PK	4.87951G	42.97	74.00	-31.03	4.68	3	Horizontal	360	1.00
Mode 2	Pass	AV	4.87984G	28.99	54.00	-25.01	4.68	3	Vertical	0	1.00
Mode 2	Pass	AV	10.39819G	37.22	68.20	-30.98	15.33	3	Vertical	0	1.00
Mode 2	Pass	PK	4.87967G	42.62	74.00	-31.38	4.68	3	Vertical	0	1.00
Mode 2	Pass	PK	10.39628G	51.43	88.20	-36.77	15.33	3	Vertical	0	1.00
Mode 2	Pass	AV	4.88017G	30.94	54.00	-23.06	4.68	3	Horizontal	360	1.00
Mode 2	Pass	AV	10.40129G	37.15	68.20	-31.05	15.34	3	Horizontal	360	1.00
Mode 2	Pass	PK	4.87938G	42.87	74.00	-31.13	4.68	3	Horizontal	360	1.00
Mode 2	Pass	PK	10.4152G	52.07	88.20	-36.13	15.35	3	Horizontal	360	1.00

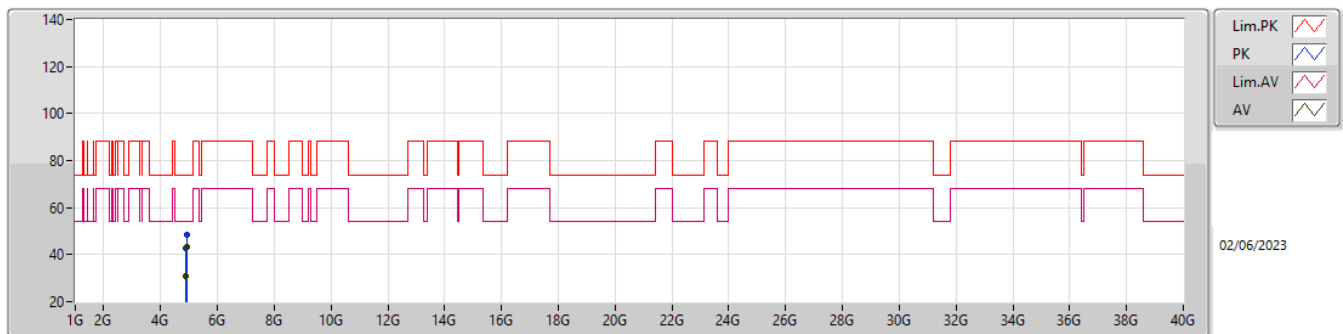
Radiated Emissions above 1GHz_Mode 1



02/06/2023

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.87991G	28.93	54.00	-25.07	4.68	3	Vertical	0	1.00	-	24.25	32.62	6.22	34.16
AV	4.92391G	44.72	54.00	-9.28	4.94	3	Vertical	0	1.00	-	39.78	32.84	6.25	34.15
PK	4.87985G	42.52	74.00	-31.48	4.68	3	Vertical	0	1.00	-	37.84	32.62	6.22	34.16
PK	4.92387G	49.09	74.00	-24.91	4.94	3	Vertical	0	1.00	-	44.15	32.84	6.25	34.15

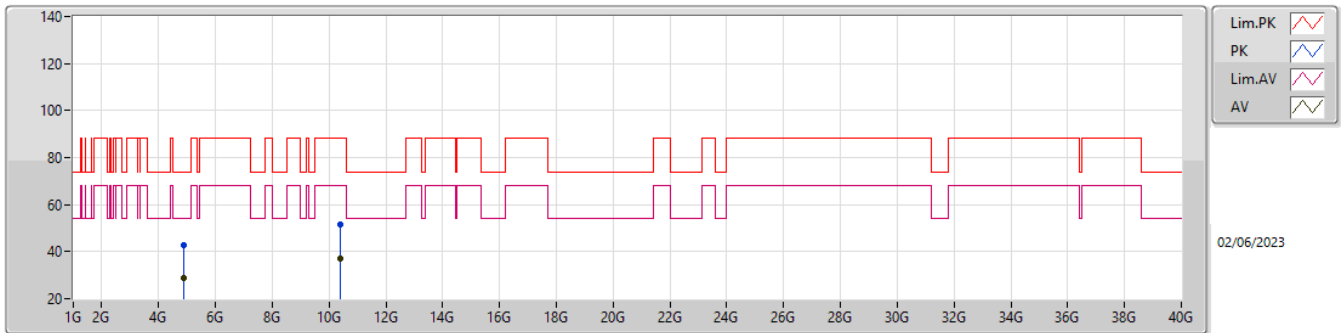
Radiated Emissions above 1GHz_Mode 1



02/06/2023

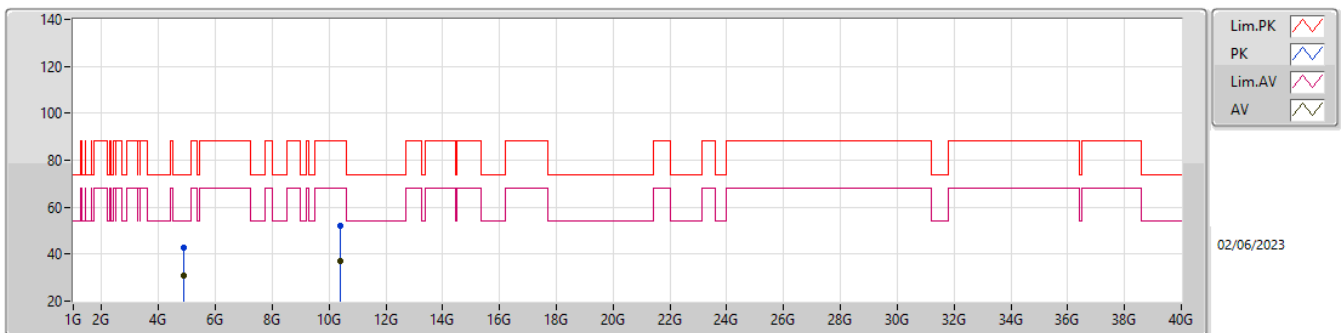
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.92381G	43.13	54.00	-10.87	4.94	3	Horizontal	360	1.00	-	38.19	32.84	6.25	34.15
AV	4.88021G	30.86	54.00	-23.14	4.68	3	Horizontal	360	1.00	-	26.18	32.62	6.22	34.16
PK	4.92393G	48.22	74.00	-25.78	4.94	3	Horizontal	360	1.00	-	43.28	32.84	6.25	34.15
PK	4.87951G	42.97	74.00	-31.03	4.68	3	Horizontal	360	1.00	-	38.29	32.62	6.22	34.16

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)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.87984G	28.99	54.00	-25.01	4.68	3	Vertical	0	1.00	-	24.31	32.62	6.22	34.16
AV	10.39819G	37.22	68.20	-30.98	15.33	3	Vertical	0	1.00	-	21.89	38.90	11.03	34.60
PK	4.87967G	42.62	74.00	-31.38	4.68	3	Vertical	0	1.00	-	37.94	32.62	6.22	34.16
PK	10.39628G	51.43	88.20	-36.77	15.33	3	Vertical	0	1.00	-	36.10	38.90	11.03	34.60

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)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.88017G	30.94	54.00	-23.06	4.68	3	Horizontal	360	1.00	-	26.26	32.62	6.22	34.16
AV	10.40129G	37.15	68.20	-31.05	15.34	3	Horizontal	360	1.00	-	21.81	38.90	11.03	34.59
PK	4.87938G	42.87	74.00	-31.13	4.68	3	Horizontal	360	1.00	-	38.19	32.62	6.22	34.16
PK	10.4152G	52.07	88.20	-36.13	15.35	3	Horizontal	360	1.00	-	36.72	38.90	11.03	34.58