



FCC Radio Test Report

FCC ID : 2AUIUWF6DBMR
Equipment : Wyze Mesh Router
Brand Name : WYZE
Model Name : WF6DBMR
Applicant : Wyze Labs, Inc.
5808 Lake Washington Blvd NE Ste 300,
Kirkland, WA 98033, USA
Manufacturer : Wyze Labs, Inc.
5808 Lake Washington Blvd NE Ste 300,
Kirkland, WA 98033, USA
Standard : 47 CFR FCC Part 15.247

The product was received on Jan. 28, 2022, and testing was started from Feb. 18, 2022 and completed on Mar. 04, 2022. 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)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	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: Sam Tsai
Report Producer: Ann Hou

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(1Mbps)	1.0	1TX
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(2Mbps)	2.0	1TX

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	LITEON	N/A	PIFA	I-PEX
2	LITEON	N/A	PIFA	I-PEX
3	LITEON	N/A	PIFA	I-PEX
4	LITEON	N/A	PIFA	I-PEX
5	LITEON	N/A	PIFA	I-PEX
6	LITEON	N/A	PIFA	I-PEX

Ant.	Port	Gain (dBi)			
		2.4G	5G	BT	Zigbee
1	1	3.22	-	-	-
2	2	3.25	-	-	-
3	1	-	4.23	-	-
4	2	-	3.87	-	-
5	1	-	-	3.24	-
6	1	-	-	-	2.14

Note 1: The EUT has six antennas.

For 2.4GHz function:

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

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



For 5GHz function:

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

Ant. 3 (port 1) and Ant. 4 (port 2) could transmit/receive simultaneously.

For BT function:

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

Ant. 5 (port 1) could transmit/receive

For Zigbee function:

For Zigbee mode (1TX/1RX)

Ant. 6 (port 1) could transmit/receive.

1.1.3 EUT Information

Operational Condition	
EUT Power Type	From AC Adapter
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)	0.632	1.99	393.125u	3k
BT-LE(125kbps)	0.833	0.79	3.105m	1k
BT-LE(500kbps)	0.562	2.5	1.071m	1k
BT-LE(2Mbps)	0.338	4.71	208.75u	10k

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

1.1.5 Table for Multiple Listing

SKU No.	Ethernet IC
Main Source (SKU 1)	Brand: Qualcomm / Model: QCA8081
2nd Source (SKU 2)	Brand: Qualcomm / Model: QCA8080

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	Jack	20.4~21.5°C / 55~64%	22/Feb/2022
RF Conducted	TH07-HY	Johnny	21.1~26.6°C / 52~59%	25/Feb/2022~04/Mar/2022
Radiated	03CH02-HY	Jack	19.2~20.5°C / 58~65%	18/Feb/2022~03/Mar/2022
<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
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 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_00086.1
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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	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	Adapter mode

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 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
Operating Mode	CTX
1	WLAN 2.4GHz + WLAN 5GHz + Bluetooth + Zigbee
Refer to Sporton Test Report No.: FA210727 for Co-location RF Exposure Evaluation.	



2.3 Accessories

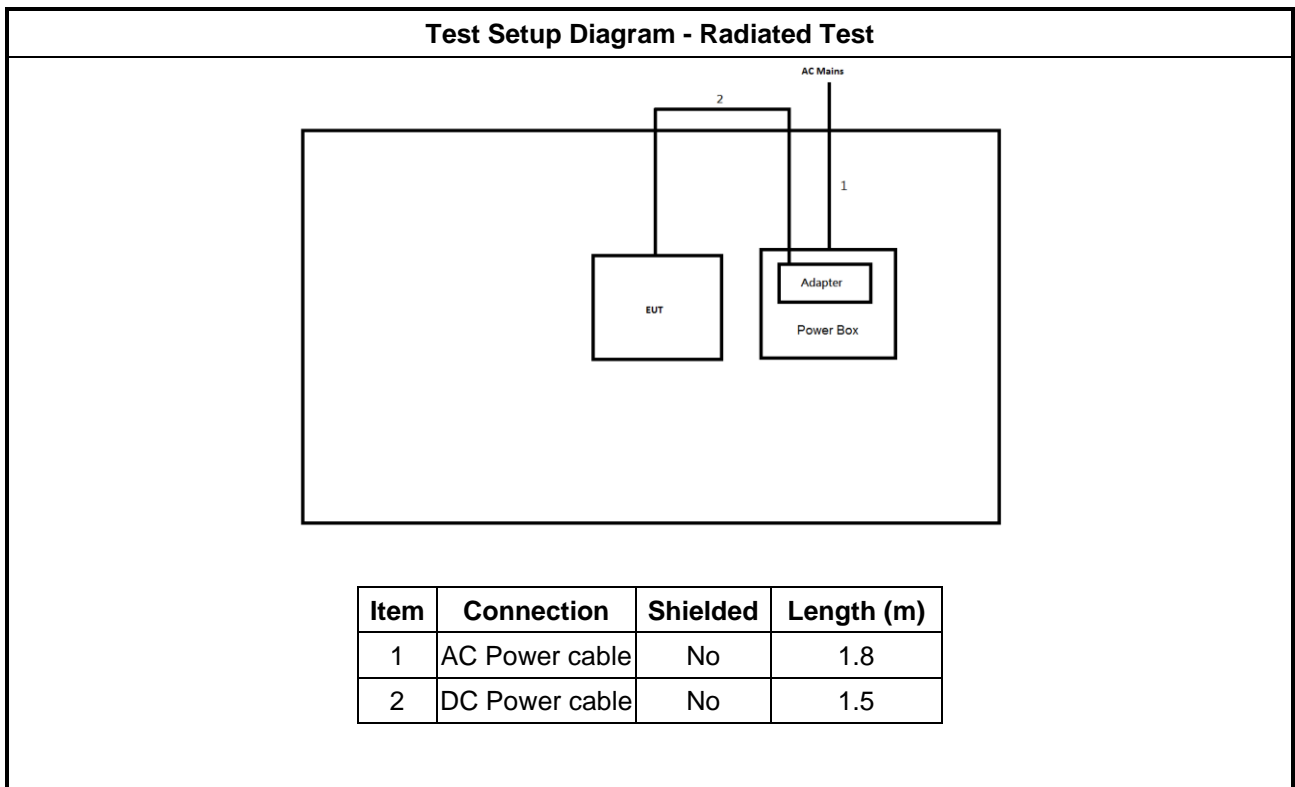
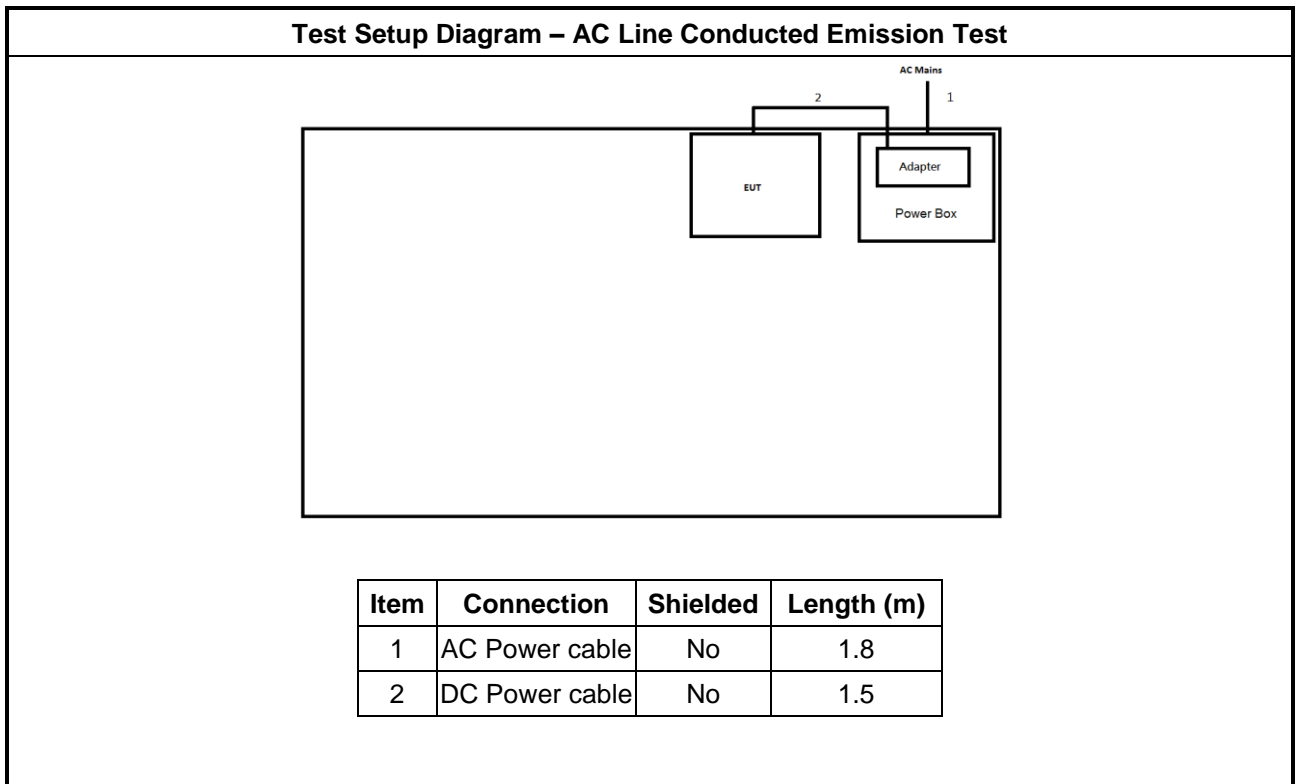
Accessories				
AC Adapter	Brand Name	APD	Model Name	WB-12G12FU
	Manufacturer	Asian Power		
	Power Rating	I/P: 100-240Vac, 50-60Hz, 0.3A, O/P: 12Vdc, 1A		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		

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	-	-

2.5 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

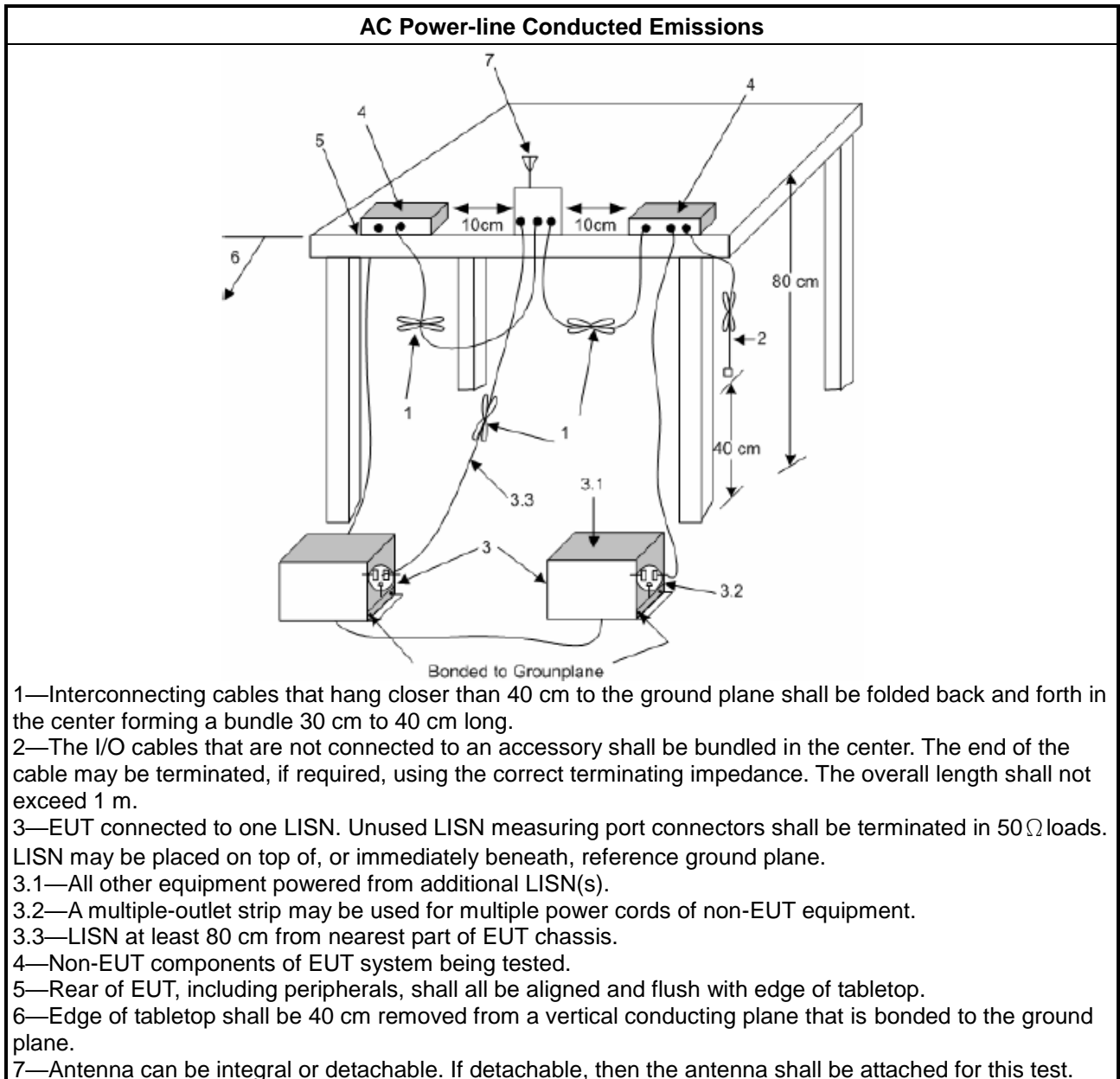
Test Method
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.

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 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth \geq 500 kHz.

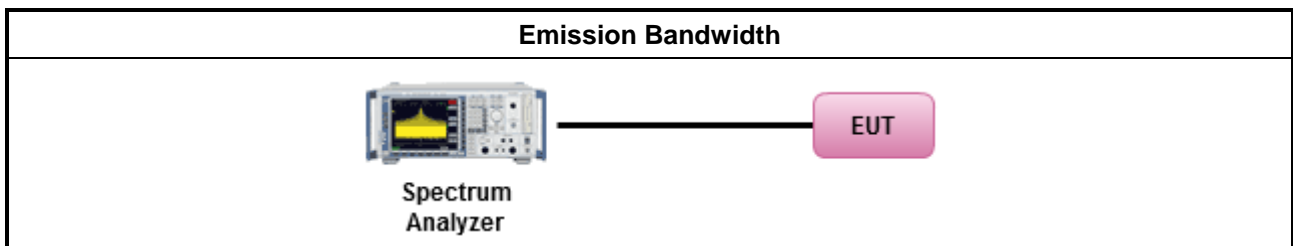
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	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.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

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"> ▪ 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.	

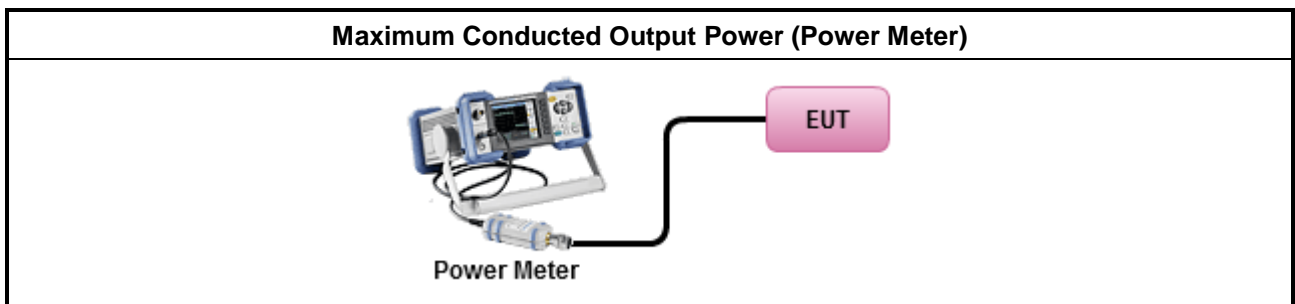
3.3.2 Measuring Instruments

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"> ▪ 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]) $EIRP_{total} = P_{total} + DG$ 	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

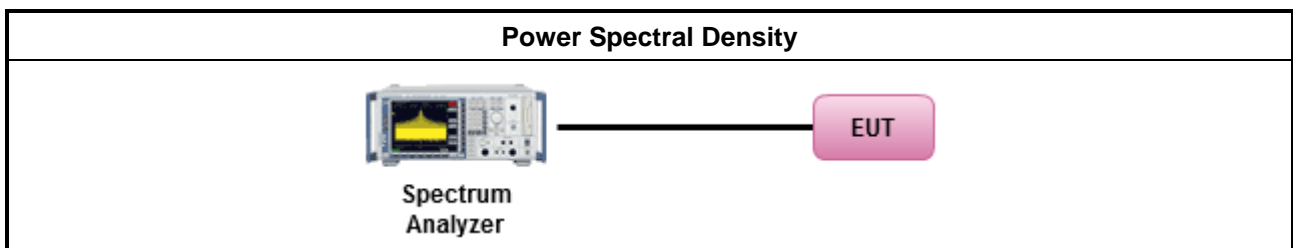
3.4.2 Measuring Instruments

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"> 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.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (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.

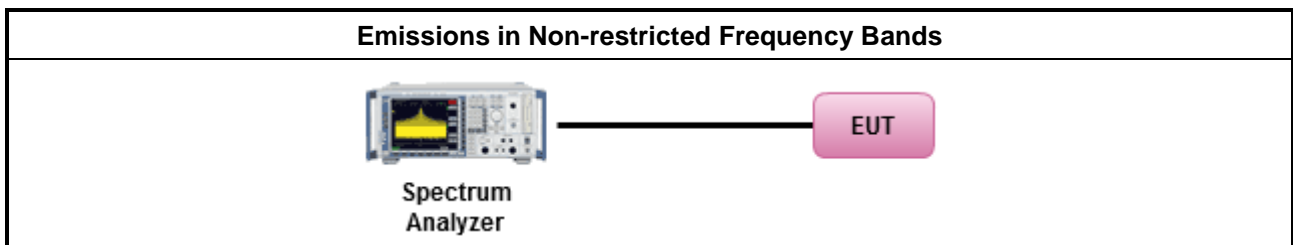
3.5.2 Measuring Instruments

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 KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

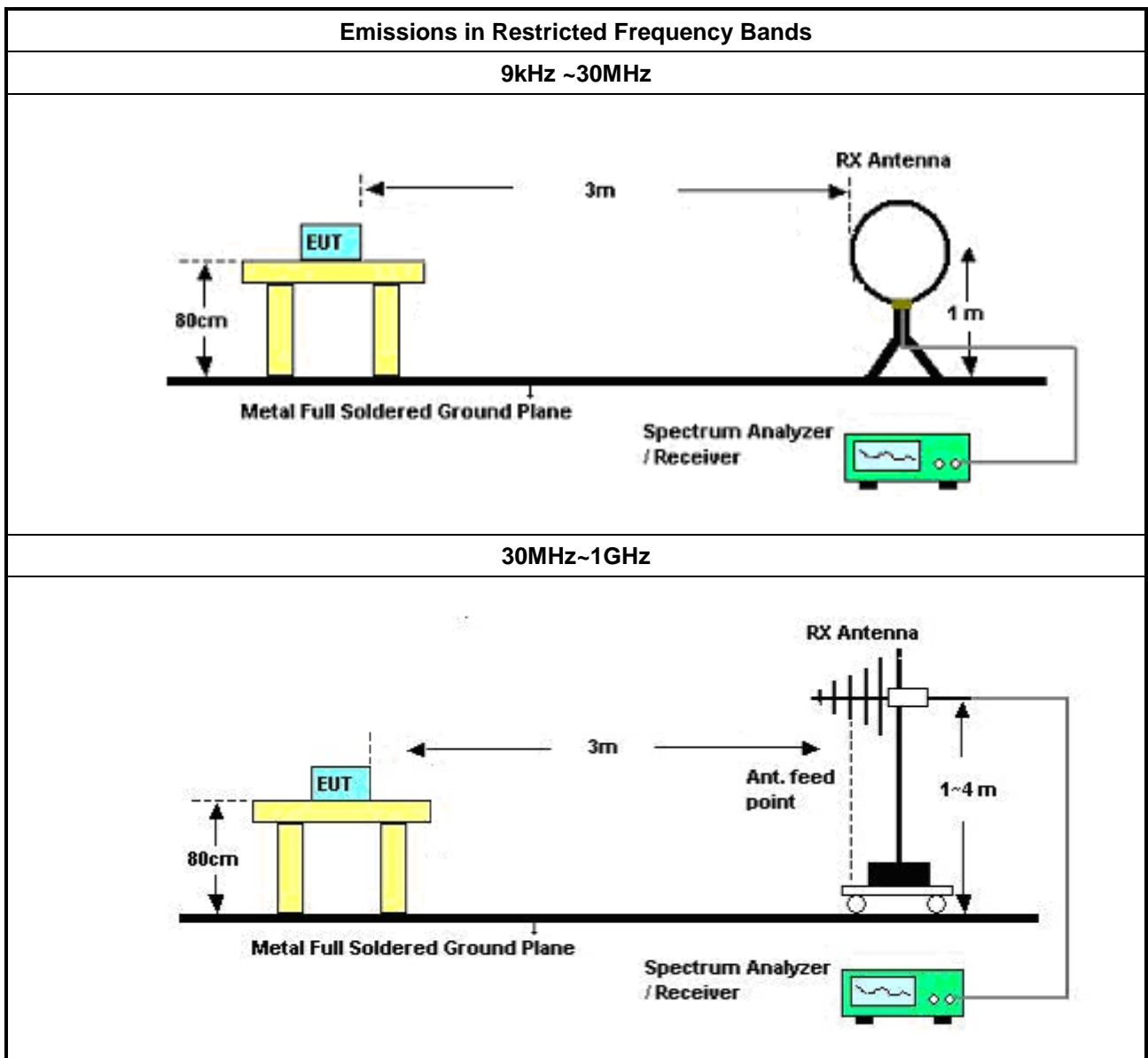
Test Method	
	<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor].
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency 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 $f \geq 1$ GHz for peak measurement. For average measurement, refer as 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.

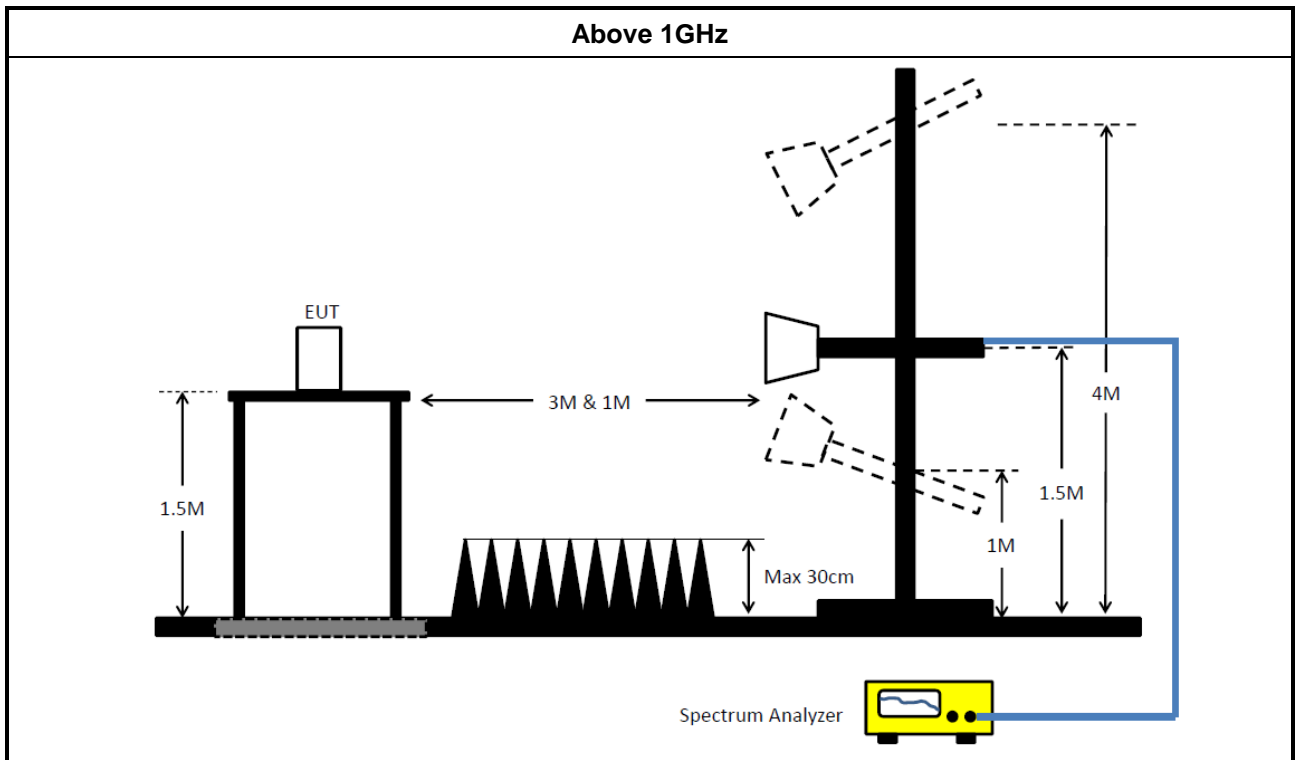
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





3.6.6 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.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



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	ESR3	102051	9kHz ~ 3.6GHz	21/May/2021	20/May/2022
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	12/Jan/2022	11/Jan/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.7.14	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2021	16/Dec/2022
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	20/Dec/2021	19/Dec/2022
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	20/Oct/2021	19/Oct/2022
SENSE-15247_FS	Sporton	V5.10.7.13	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	02/Aug/2021	01/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	01/Aug/2021	31/Jul/2022
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	12/Mar/2021	11/Mar/2022
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	29/Jun/2021	28/Jun/2022
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	03/Nov/2021	02/Nov/2022
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	04/Sep/2021	03/Sep/2022
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	04/Jun/2021	03/Jun/2022
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	05/May/2021	04/May/2022
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	05/May/2021	04/May/2022
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192 /4	1GHz~40GHz	06/Apr/2021	05/Apr/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	09/Mar/2021	08/Mar/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	19/Apr/2021	18/Apr/2022
SENSE-15247_FS	Sporton	V5.10.7.13	N/A	N/A	N/A	N/A



Summary

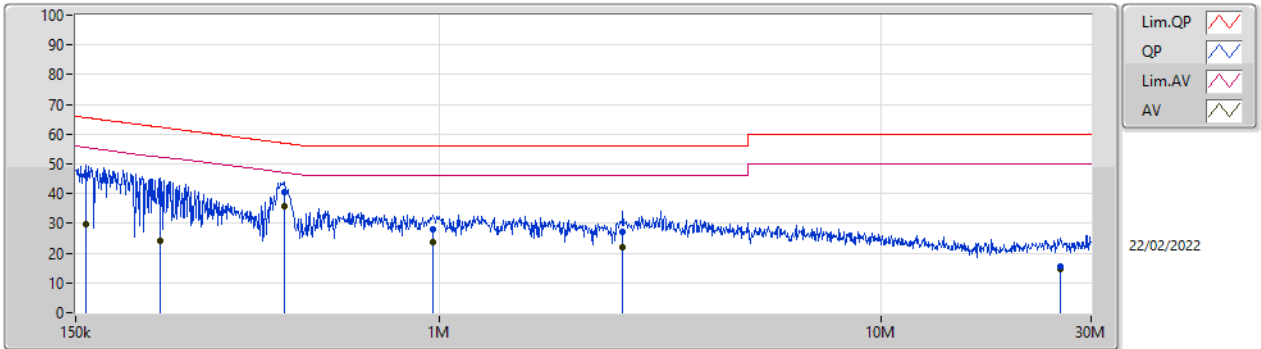
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	446.062k	35.92	46.96	-11.04	Line



Mode config

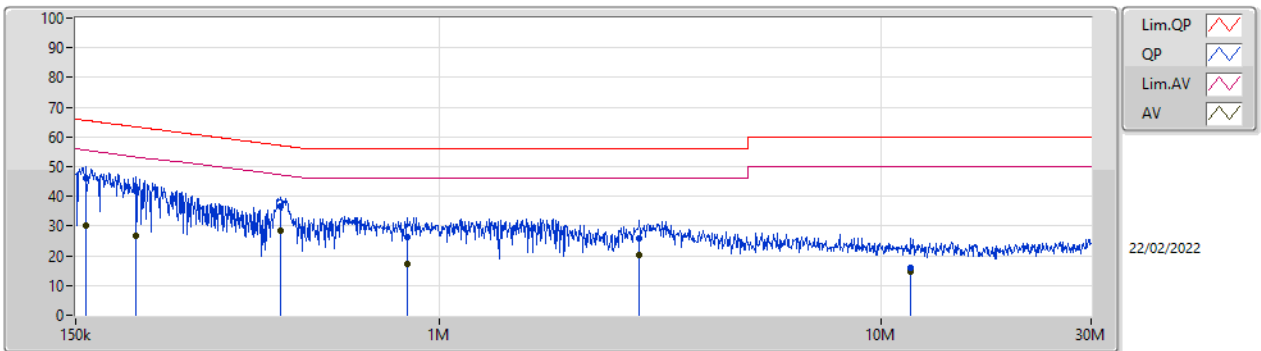
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	157.99k	45.95	65.56	-19.61	Line	-
Mode 1	Pass	AV	157.99k	29.61	55.56	-25.95	Line	-
Mode 1	Pass	QP	233.633k	40.10	62.31	-22.21	Line	-
Mode 1	Pass	AV	233.633k	24.08	52.31	-28.23	Line	-
Mode 1	Pass	QP	446.062k	40.70	56.96	-16.26	Line	-
Mode 1	Pass	AV	446.062k	35.92	46.96	-11.04	Line	-
Mode 1	Pass	QP	967.688k	27.99	56.00	-28.01	Line	-
Mode 1	Pass	AV	967.688k	23.53	46.00	-22.47	Line	-
Mode 1	Pass	QP	2.604M	27.03	56.00	-28.97	Line	-
Mode 1	Pass	AV	2.604M	21.78	46.00	-24.22	Line	-
Mode 1	Pass	QP	25.549M	15.55	60.00	-44.45	Line	-
Mode 1	Pass	AV	25.549M	14.59	50.00	-35.41	Line	-
Mode 1	Pass	QP	157.99k	46.07	65.56	-19.49	Neutral	-
Mode 1	Pass	AV	157.99k	30.00	55.56	-25.56	Neutral	-
Mode 1	Pass	QP	204.796k	41.66	63.42	-21.76	Neutral	-
Mode 1	Pass	AV	204.796k	26.53	53.42	-26.89	Neutral	-
Mode 1	Pass	QP	437.246k	36.68	57.11	-20.43	Neutral	-
Mode 1	Pass	AV	437.246k	28.63	47.11	-18.48	Neutral	-
Mode 1	Pass	QP	844.868k	26.38	56.00	-29.62	Neutral	-
Mode 1	Pass	AV	844.868k	17.20	46.00	-28.80	Neutral	-
Mode 1	Pass	QP	2.843M	25.69	56.00	-30.31	Neutral	-
Mode 1	Pass	AV	2.843M	20.41	46.00	-25.59	Neutral	-
Mode 1	Pass	QP	11.73M	15.90	60.00	-44.10	Neutral	-
Mode 1	Pass	AV	11.73M	14.67	50.00	-35.33	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	157.99k	45.95	65.56	-19.61	19.55	Line	-	26.40	9.60	0.04	9.91
AV	157.99k	29.61	55.56	-25.95	19.55	Line	-	10.06	9.60	0.04	9.91
QP	233.633k	40.10	62.31	-22.21	19.56	Line	-	20.54	9.61	0.04	9.91
AV	233.633k	24.08	52.31	-28.23	19.56	Line	-	4.52	9.61	0.04	9.91
QP	446.062k	40.70	56.96	-16.26	19.57	Line	-	21.13	9.60	0.06	9.91
AV	446.062k	35.92	46.96	-11.04	19.57	Line	-	16.35	9.60	0.06	9.91
QP	967.688k	27.99	56.00	-28.01	19.61	Line	-	8.38	9.61	0.08	9.92
AV	967.688k	23.53	46.00	-22.47	19.61	Line	-	3.92	9.61	0.08	9.92
QP	2.604M	27.03	56.00	-28.97	19.66	Line	-	7.37	9.62	0.12	9.92
AV	2.604M	21.78	46.00	-24.22	19.66	Line	-	2.12	9.62	0.12	9.92
QP	25.549M	15.55	60.00	-44.45	19.76	Line	-	-4.21	9.51	0.32	9.93
AV	25.549M	14.59	50.00	-35.41	19.76	Line	-	-5.17	9.51	0.32	9.93

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	157.99k	46.07	65.56	-19.49	19.54	Neutral	-	26.53	9.59	0.04	9.91
AV	157.99k	30.00	55.56	-25.56	19.54	Neutral	-	10.46	9.59	0.04	9.91
QP	204.796k	41.66	63.42	-21.76	19.54	Neutral	-	22.12	9.59	0.04	9.91
AV	204.796k	26.53	53.42	-26.89	19.54	Neutral	-	6.99	9.59	0.04	9.91
QP	437.246k	36.68	57.11	-20.43	19.55	Neutral	-	17.13	9.58	0.06	9.91
AV	437.246k	28.63	47.11	-18.48	19.55	Neutral	-	9.08	9.58	0.06	9.91
QP	844.868k	26.38	56.00	-29.62	19.59	Neutral	-	6.79	9.59	0.08	9.92
AV	844.868k	17.20	46.00	-28.80	19.59	Neutral	-	-2.39	9.59	0.08	9.92
QP	2.843M	25.69	56.00	-30.31	19.65	Neutral	-	6.04	9.61	0.12	9.92
AV	2.843M	20.41	46.00	-25.59	19.65	Neutral	-	0.76	9.61	0.12	9.92
QP	11.73M	15.90	60.00	-44.10	19.81	Neutral	-	-3.91	9.66	0.22	9.93
AV	11.73M	14.67	50.00	-35.33	19.81	Neutral	-	-5.14	9.66	0.22	9.93



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)	675k	1.027M	1M03F1D	672.5k	1.023M
BT-LE(2Mbps)	1.155M	2.019M	2M02F1D	1.15M	2.019M
BT-LE(125kbps)	626.25k	1.053M	1M05F1D	626.25k	1.051M
BT-LE(500kbps)	660k	1.021M	1M02F1D	660k	1.013M

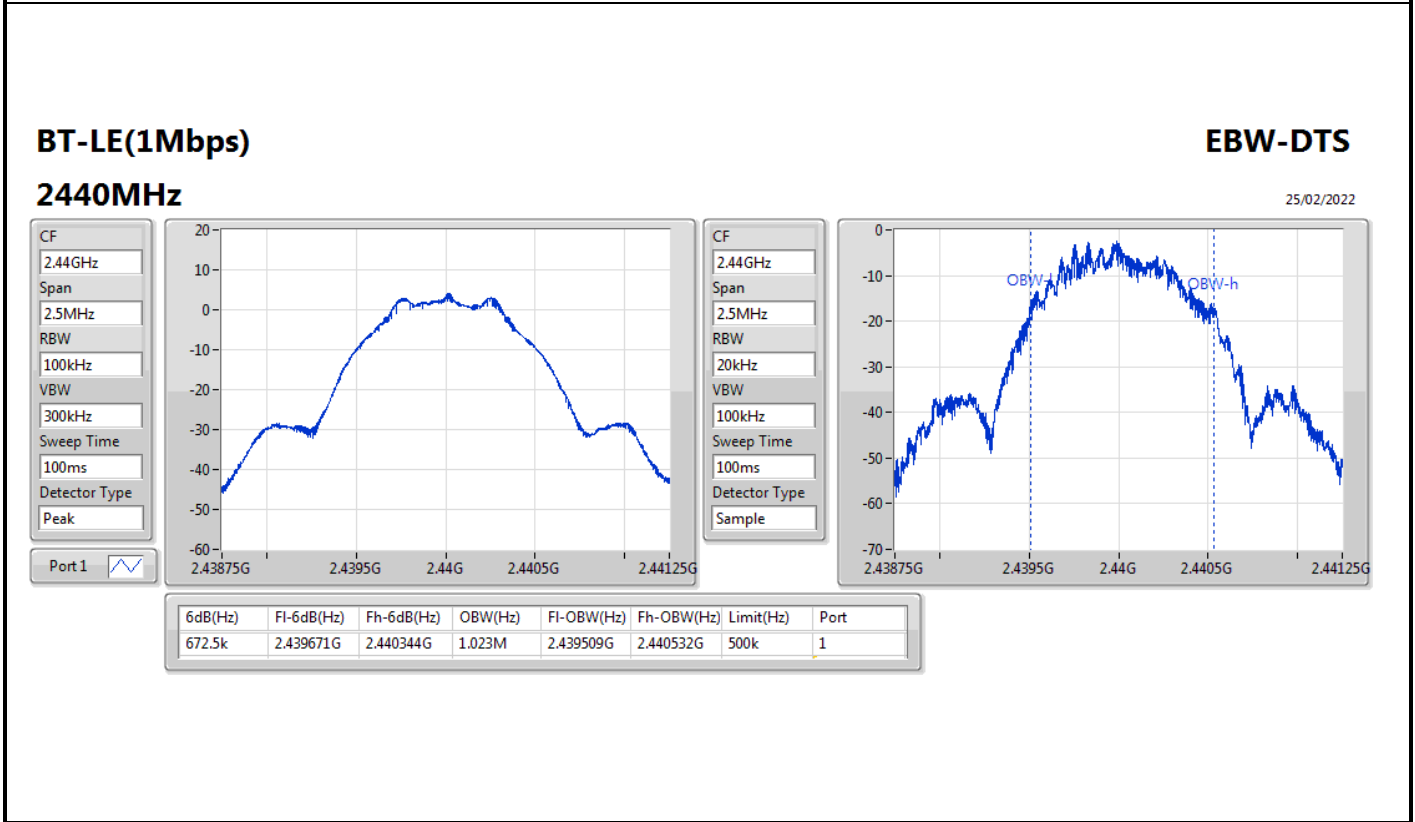
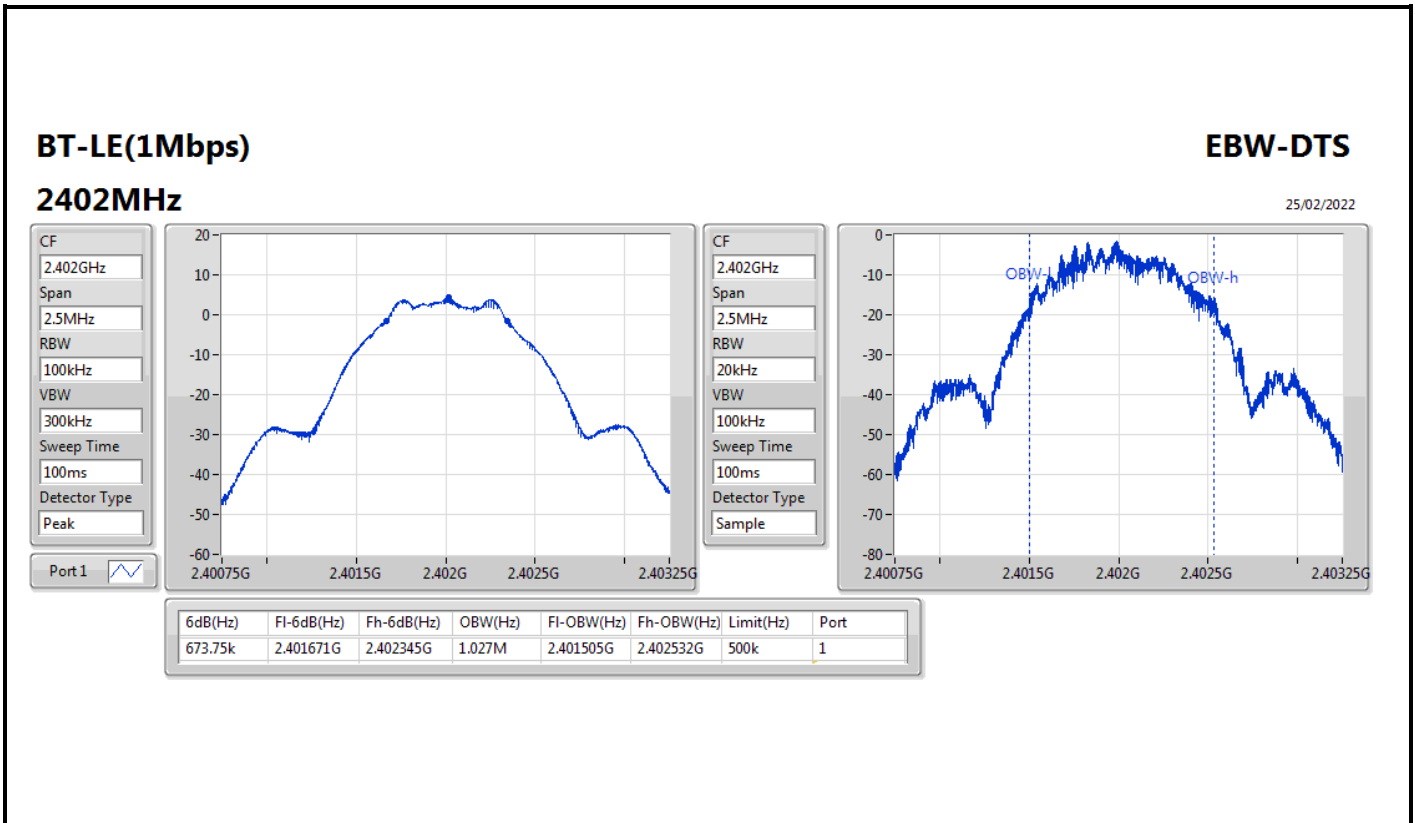
Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

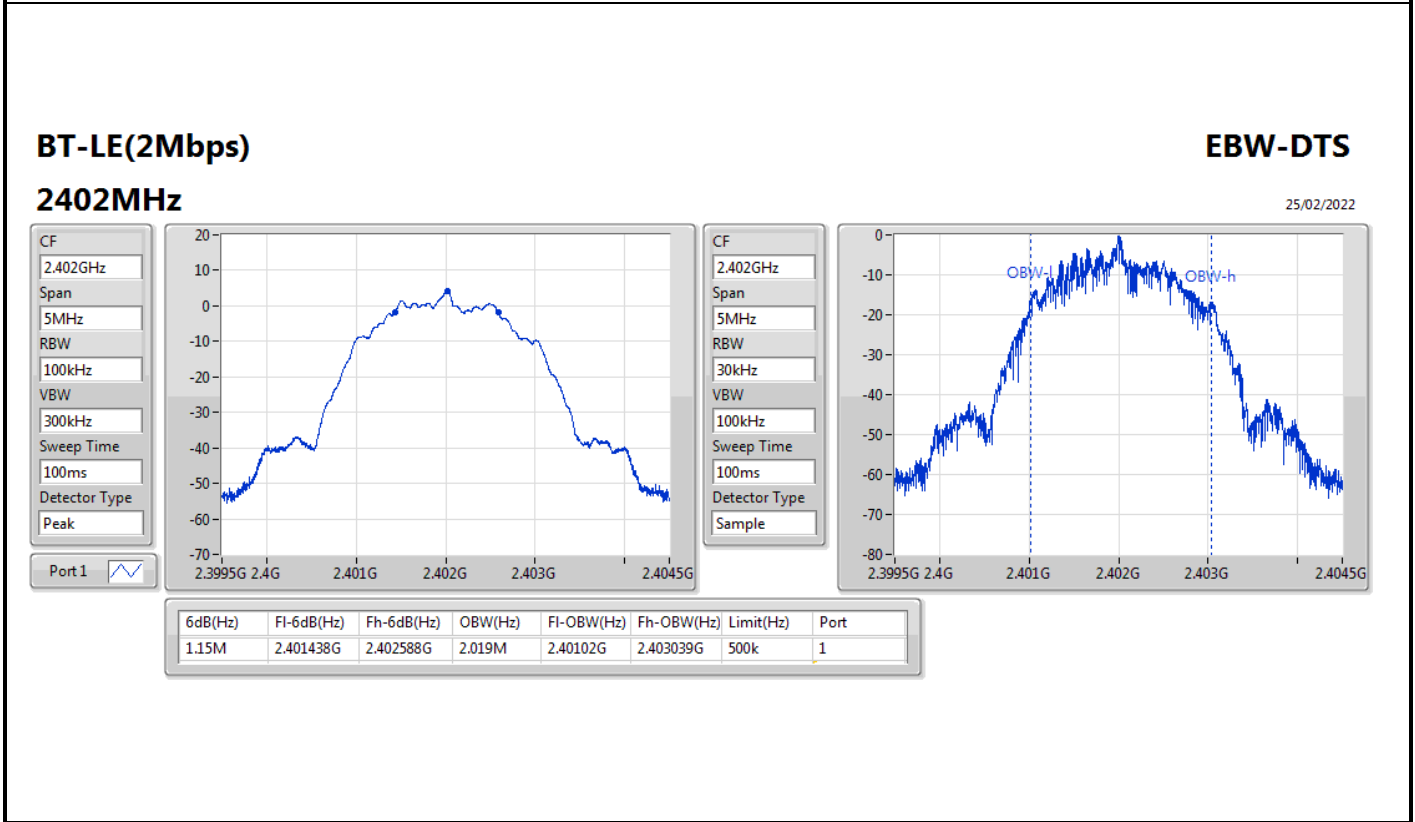
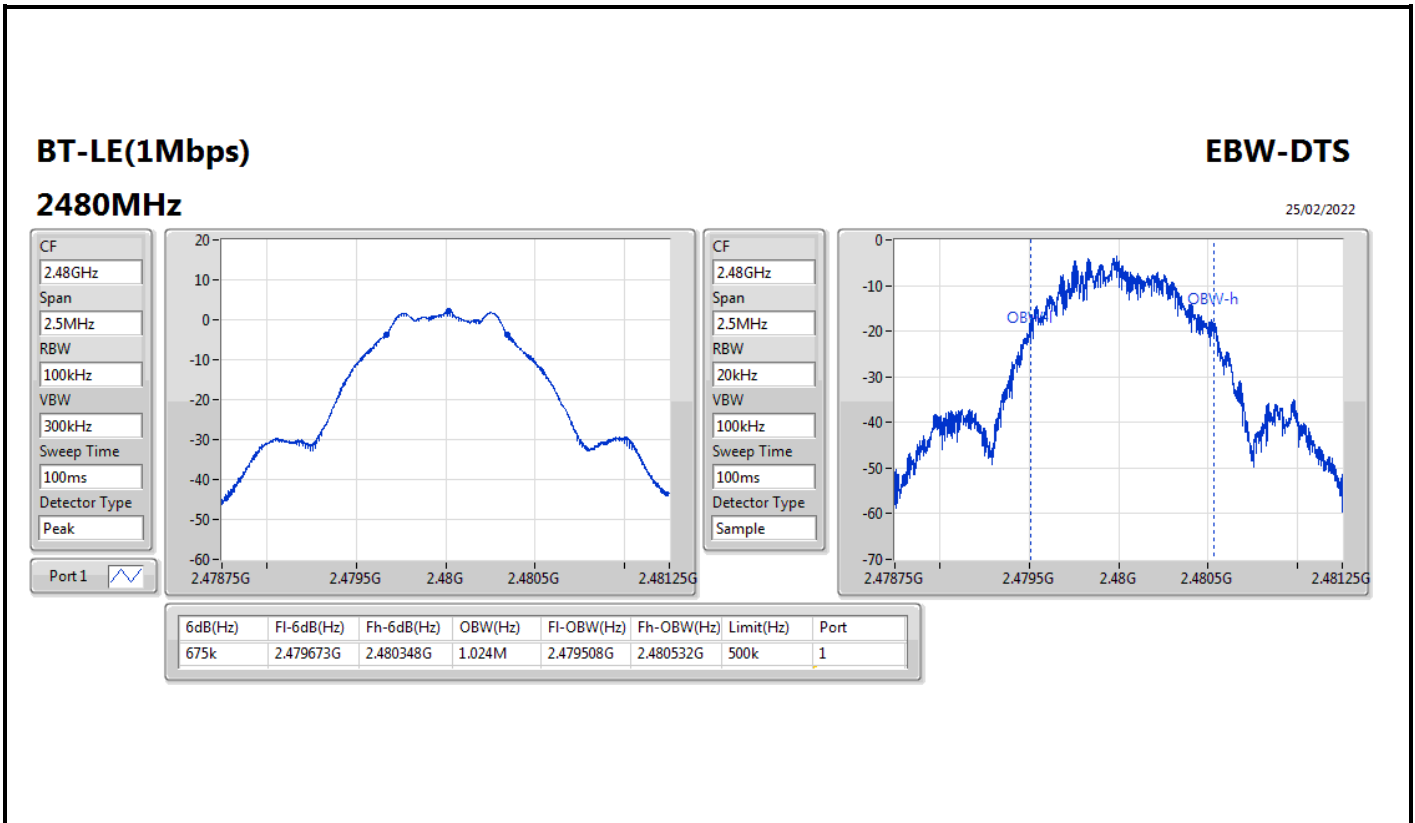


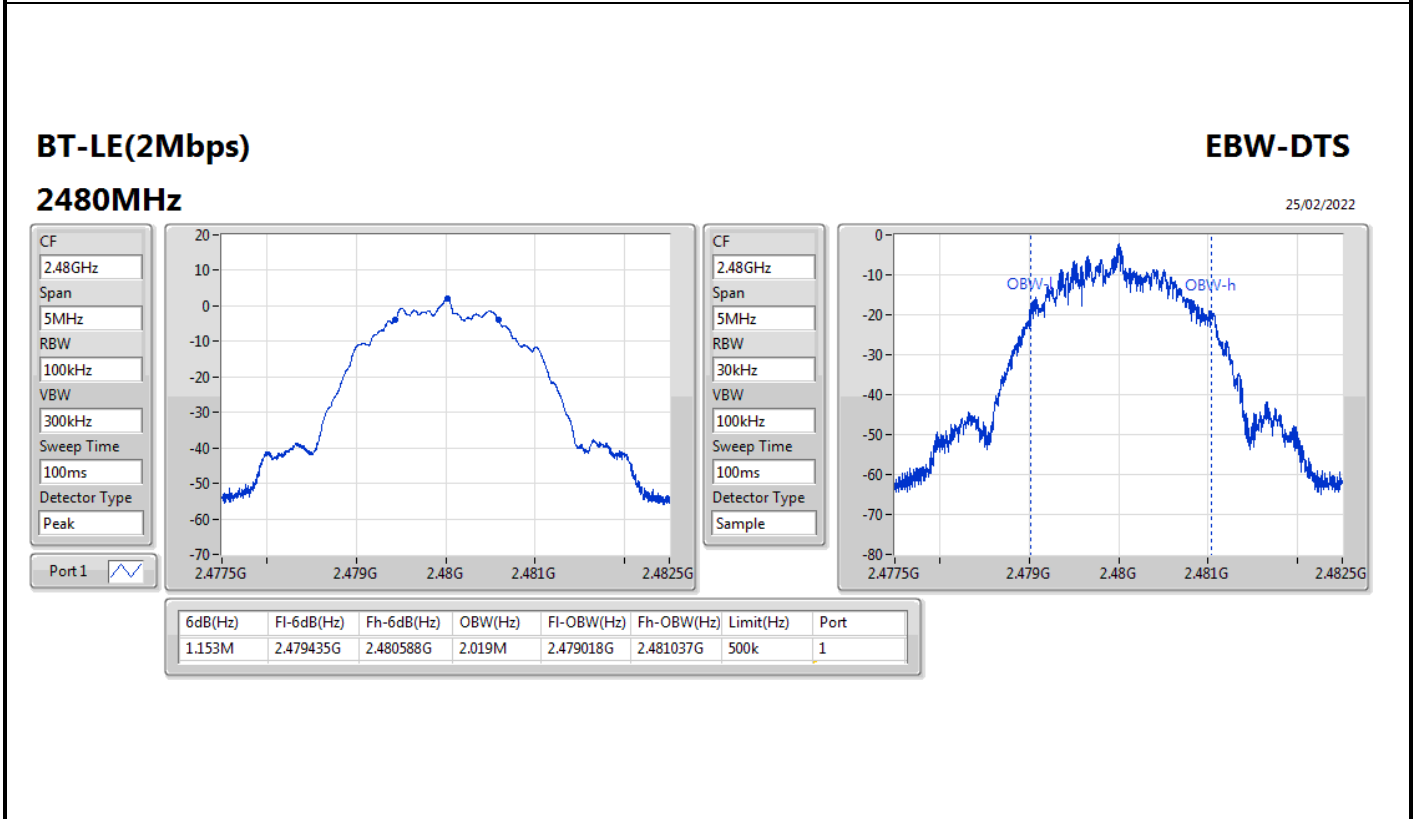
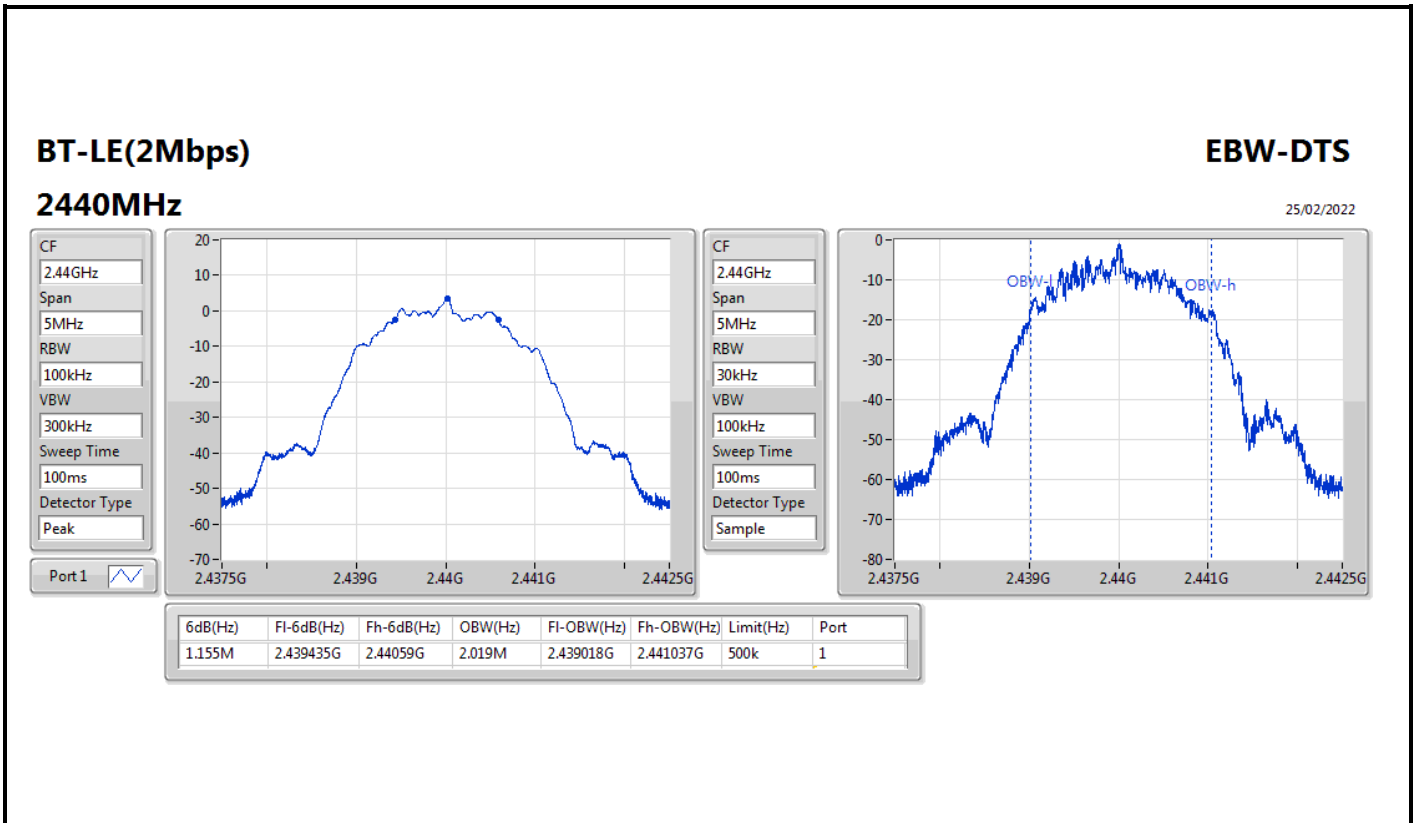
Result

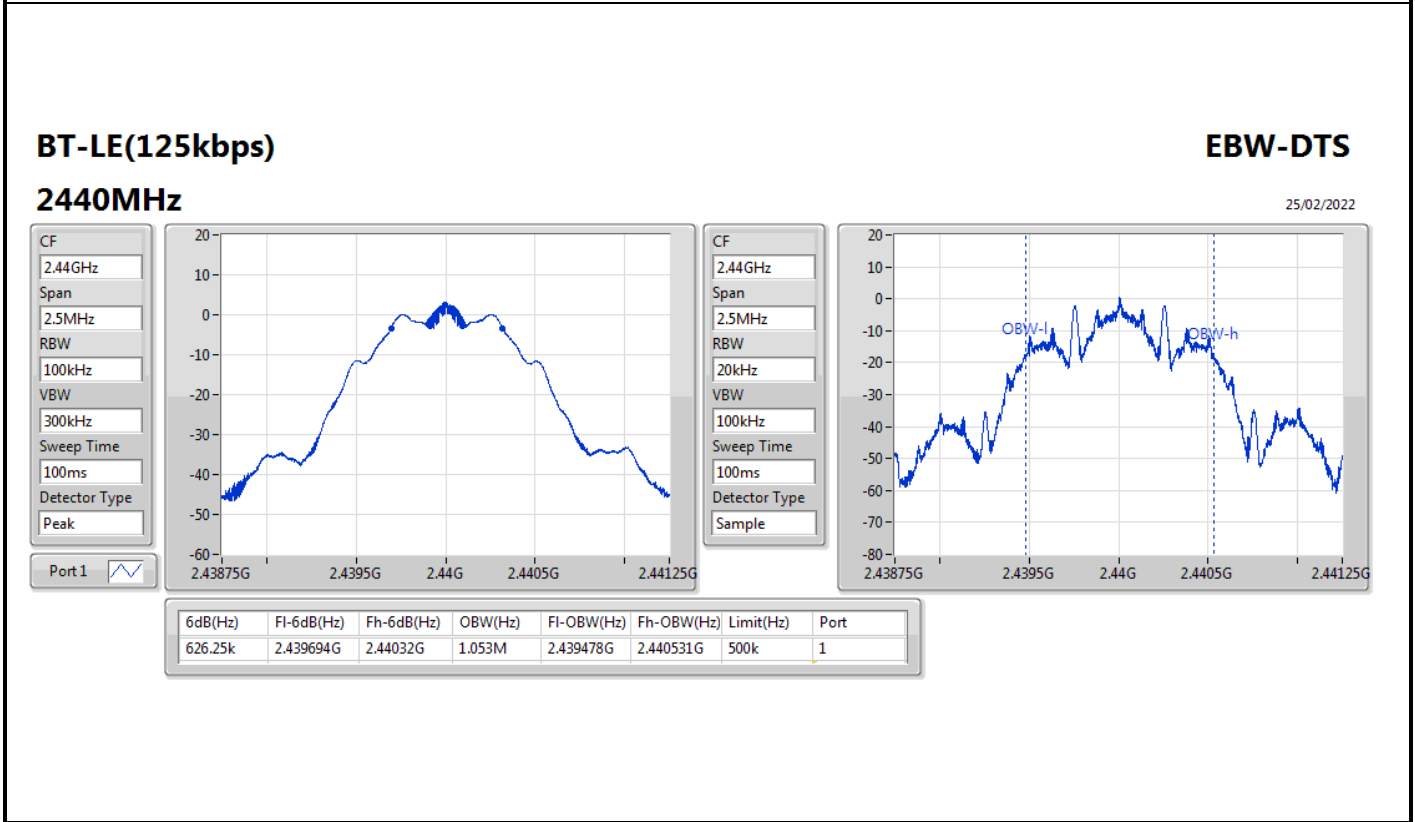
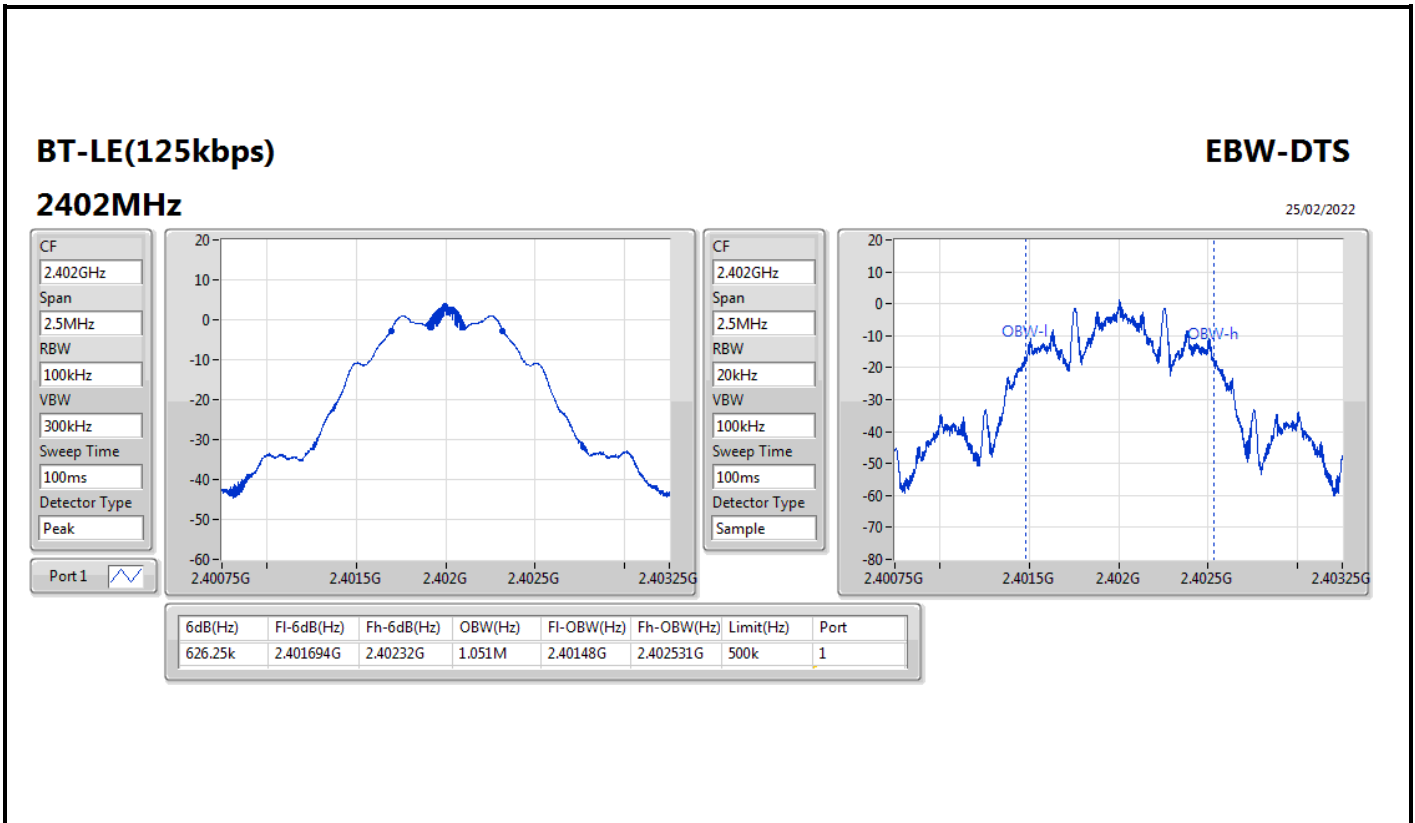
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	673.75k	1.027M
2440MHz	Pass	500k	672.5k	1.023M
2480MHz	Pass	500k	675k	1.024M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.15M	2.019M
2440MHz	Pass	500k	1.155M	2.019M
2480MHz	Pass	500k	1.153M	2.019M
BT-LE(125kpbs)	-	-	-	-
2402MHz	Pass	500k	626.25k	1.051M
2440MHz	Pass	500k	626.25k	1.053M
2480MHz	Pass	500k	626.25k	1.053M
BT-LE(500kpbs)	-	-	-	-
2402MHz	Pass	500k	660k	1.013M
2440MHz	Pass	500k	660k	1.017M
2480MHz	Pass	500k	660k	1.021M

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







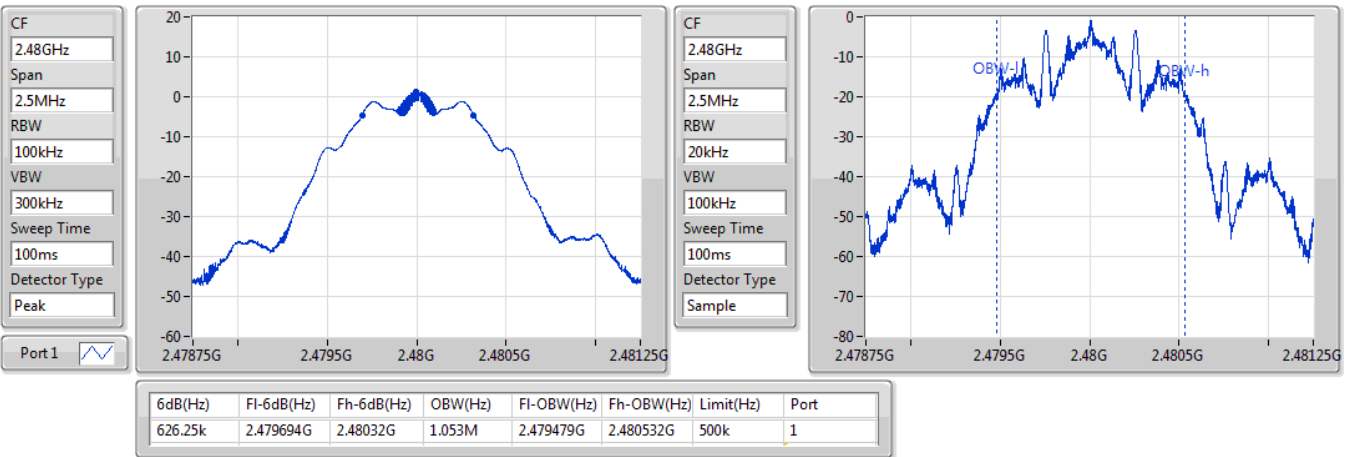


BT-LE(125kbps)

EBW-DTS

2480MHz

25/02/2022

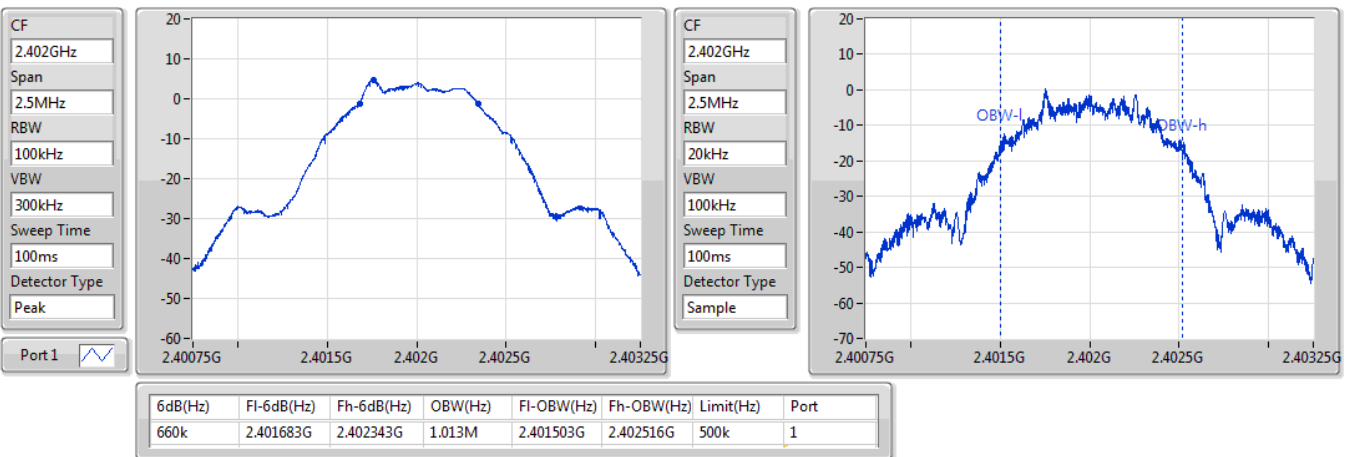


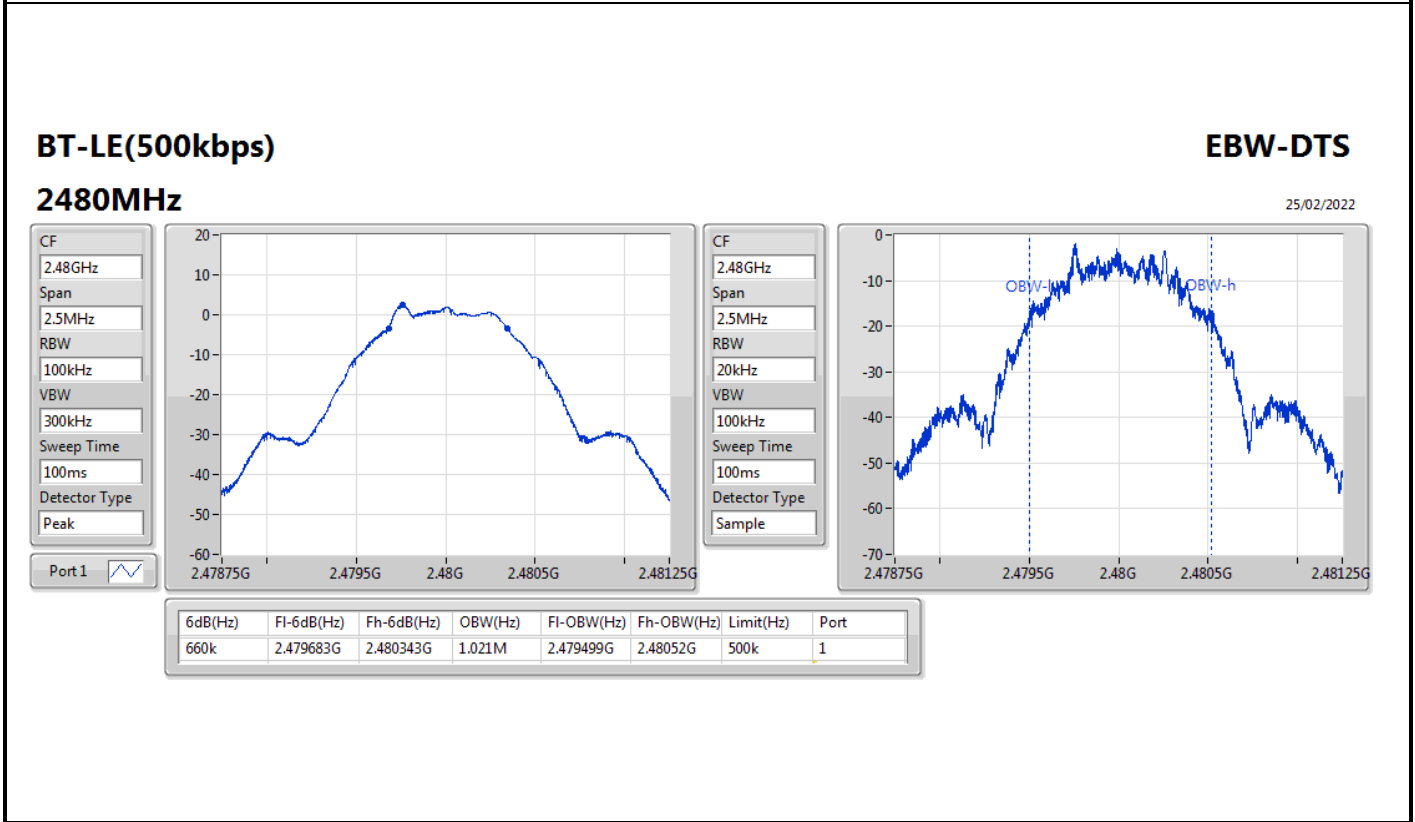
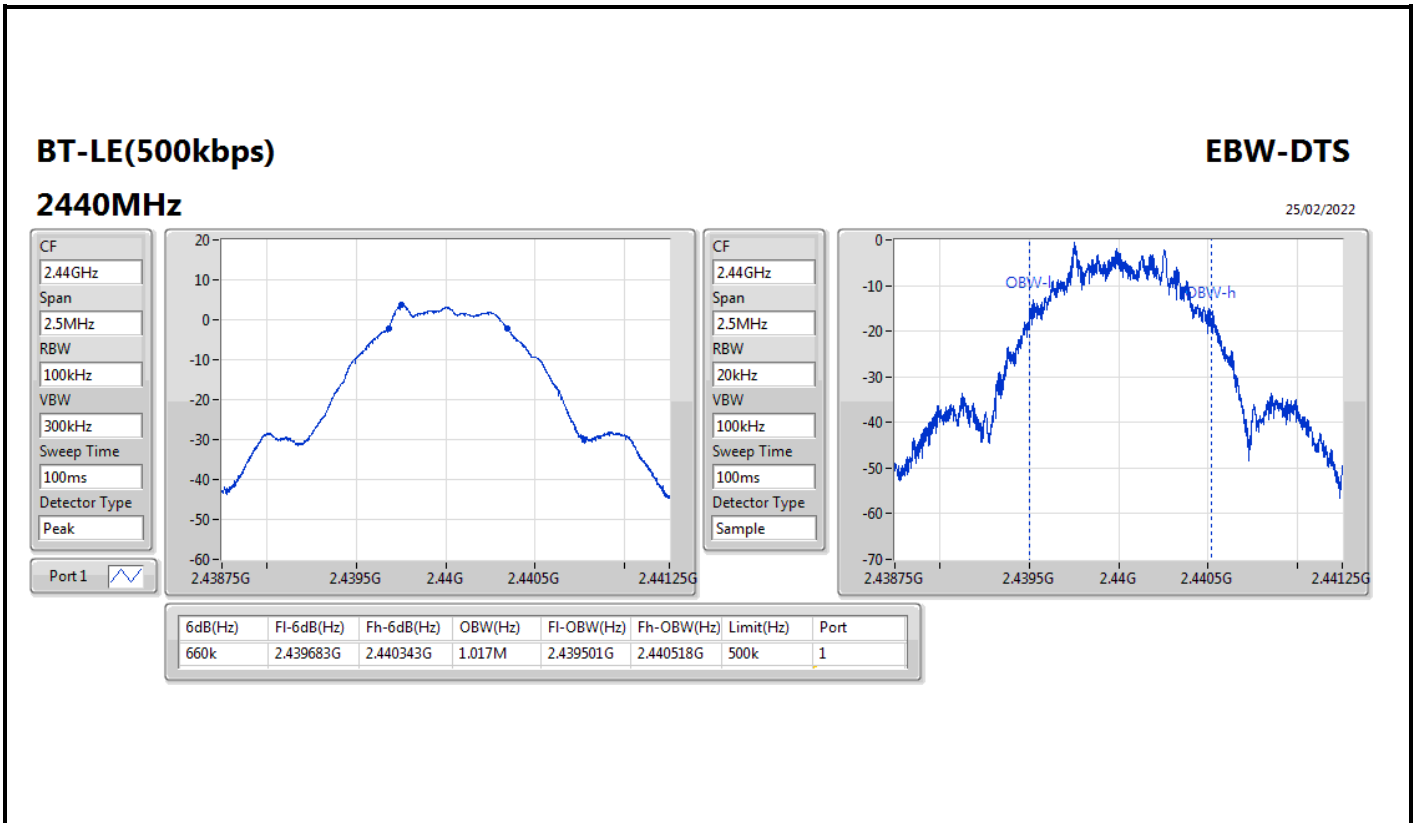
BT-LE(500kbps)

EBW-DTS

2402MHz

25/02/2022







Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	4.70	0.00295
BT-LE(2Mbps)	4.60	0.00288
BT-LE(125kbps)	4.78	0.00301
BT-LE(500kbps)	4.81	0.00303



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.24	4.70	30.00
2440MHz	Pass	3.24	3.81	30.00
2480MHz	Pass	3.24	2.69	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	3.24	4.60	30.00
2440MHz	Pass	3.24	3.62	30.00
2480MHz	Pass	3.24	2.47	30.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	3.24	4.78	30.00
2440MHz	Pass	3.24	3.86	30.00
2480MHz	Pass	3.24	2.75	30.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	3.24	4.81	30.00
2440MHz	Pass	3.24	3.88	30.00
2480MHz	Pass	3.24	2.71	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-11.23
BT-LE(2Mbps)	-13.40
BT-LE(125kbps)	-1.58
BT-LE(500kbps)	-2.01

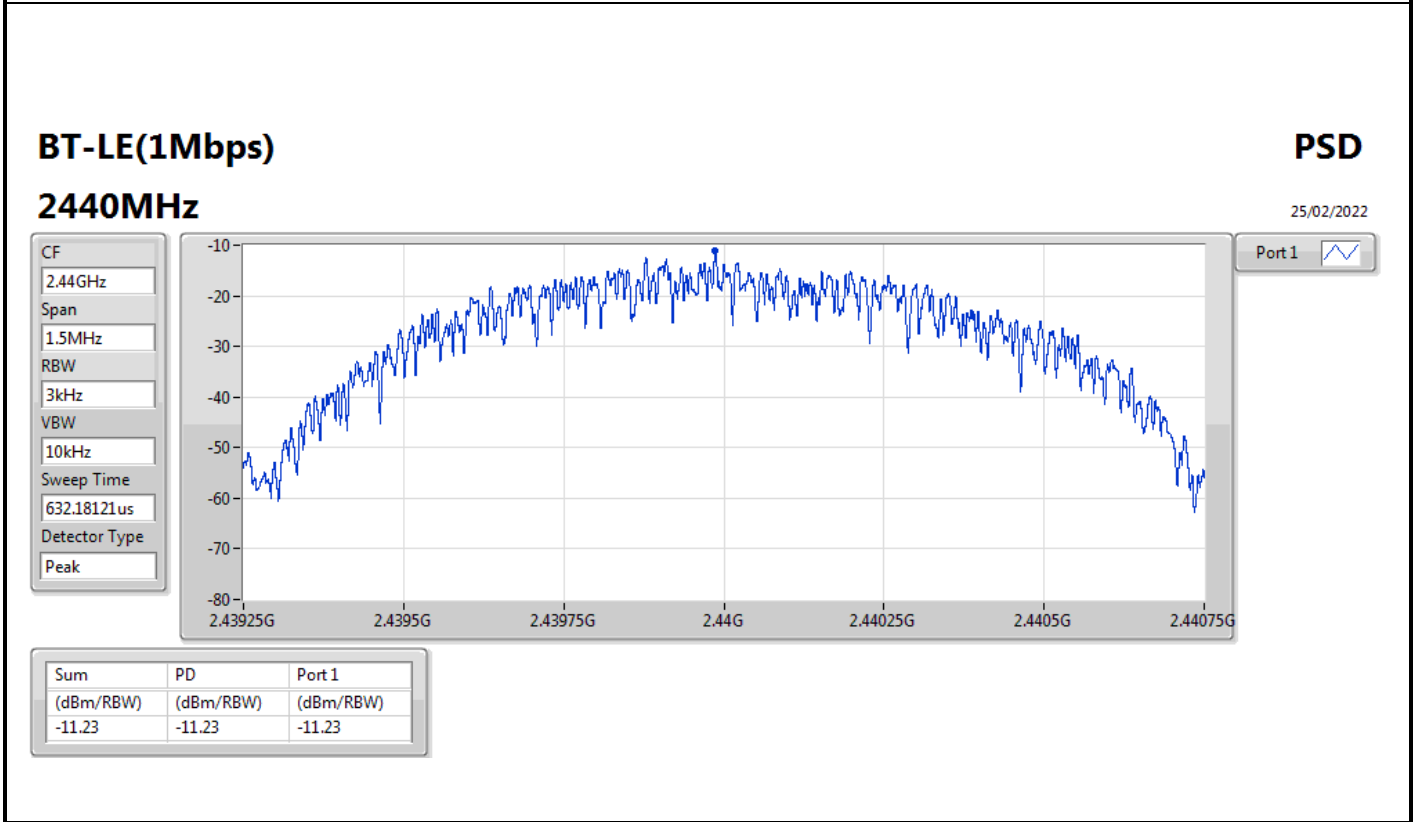
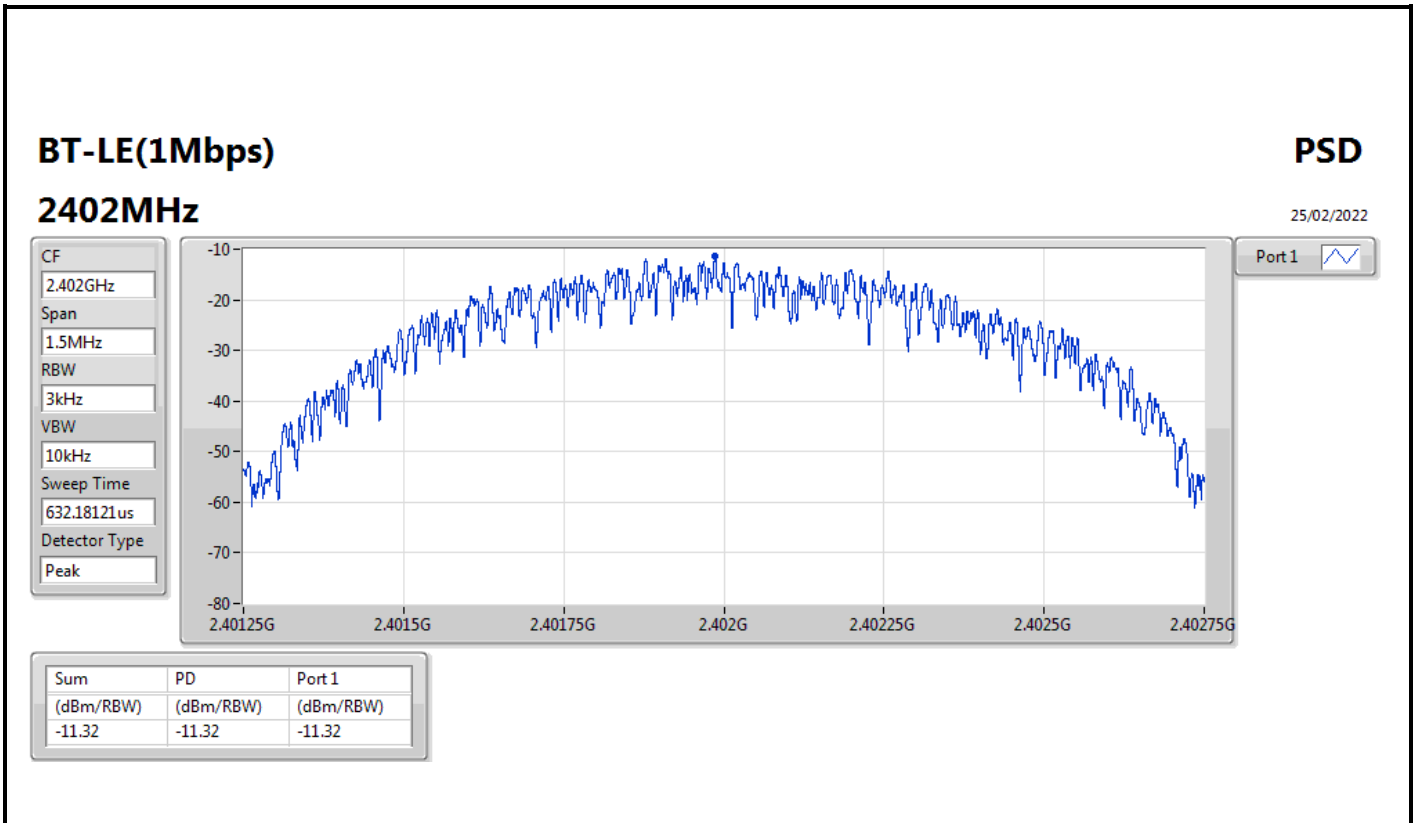
RBW = 3kHz;



Result

Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.24	-11.32	8.00
2440MHz	Pass	3.24	-11.23	8.00
2480MHz	Pass	3.24	-12.36	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	3.24	-13.40	8.00
2440MHz	Pass	3.24	-15.53	8.00
2480MHz	Pass	3.24	-15.31	8.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	3.24	-1.58	8.00
2440MHz	Pass	3.24	-2.46	8.00
2480MHz	Pass	3.24	-3.69	8.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	3.24	-2.01	8.00
2440MHz	Pass	3.24	-4.64	8.00
2480MHz	Pass	3.24	-4.00	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;



BT-LE(1Mbps)

PSD

2480MHz

25/02/2022

CF
2.48GHz

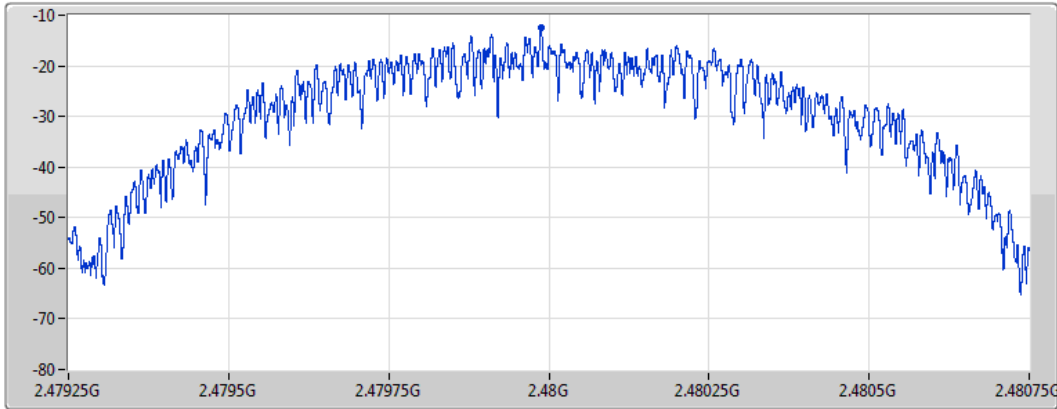
Span
1.5MHz


RBW
3kHz

VBW
10kHz

Sweep Time
632.18121us

Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.36	-12.36	-12.36

BT-LE(2Mbps)

PSD

2402MHz

25/02/2022

CF
2.402GHz

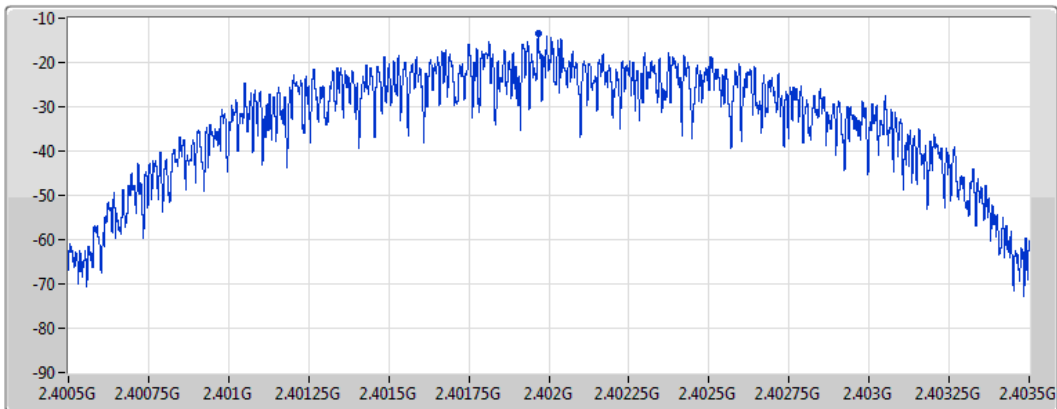
Span
3MHz


RBW
3kHz

VBW
10kHz

Sweep Time
632.01845us

Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.40	-13.40	-13.40

BT-LE(2Mbps)

PSD

2440MHz

25/02/2022

CF
2.44GHz

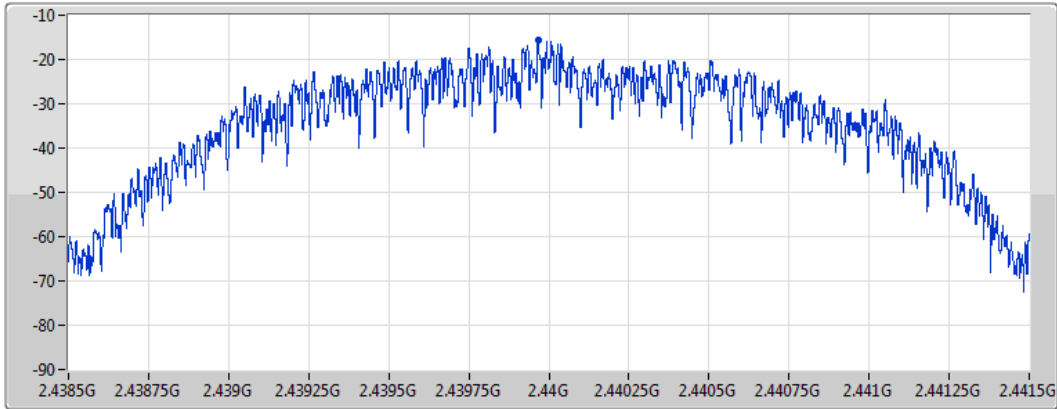
Span
3MHz


RBW
3kHz

VBW
10kHz

Sweep Time
632.01845us

Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.53	-15.53	-15.53

BT-LE(2Mbps)

PSD

2480MHz

25/02/2022

CF
2.48GHz

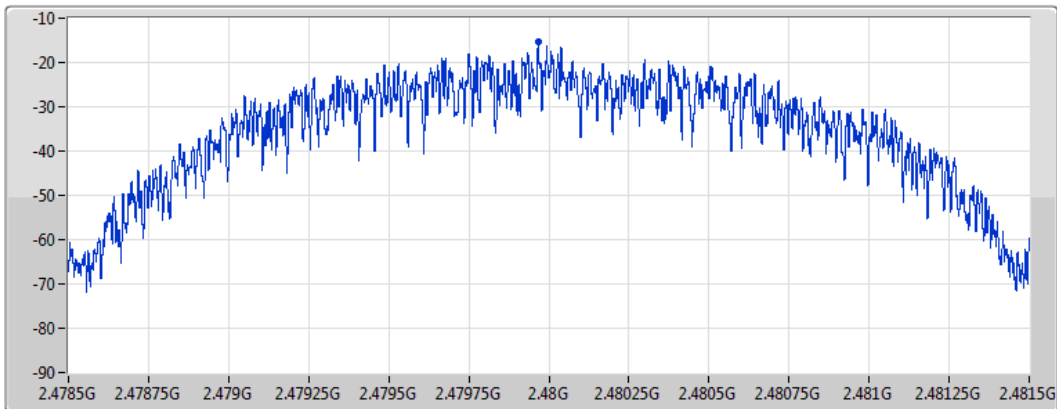
Span
3MHz


RBW
3kHz

VBW
10kHz

Sweep Time
632.01845us

Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.31	-15.31	-15.31

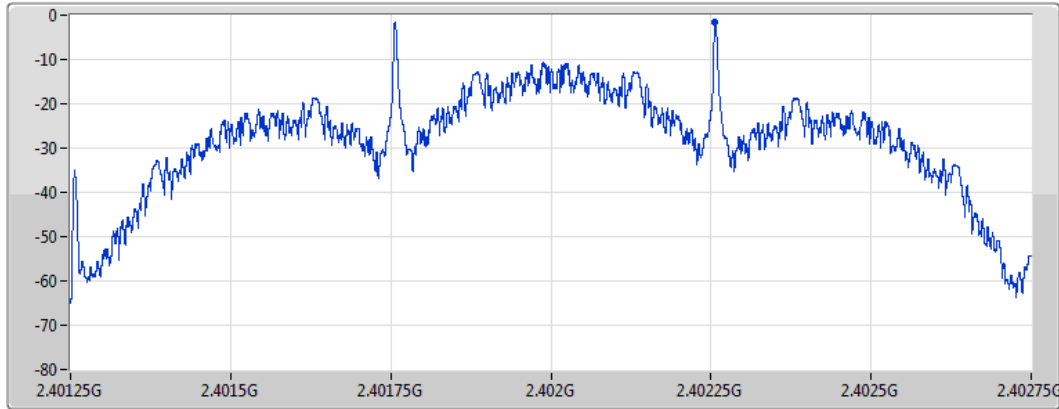
BT-LE(125kbps)


PSD

2402MHz

25/02/2022

CF
2.402GHz
Span
1.5MHz
RBW
3kHz
VBW
10kHz
Sweep Time
632.18121us
Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.58	-1.58	-1.58

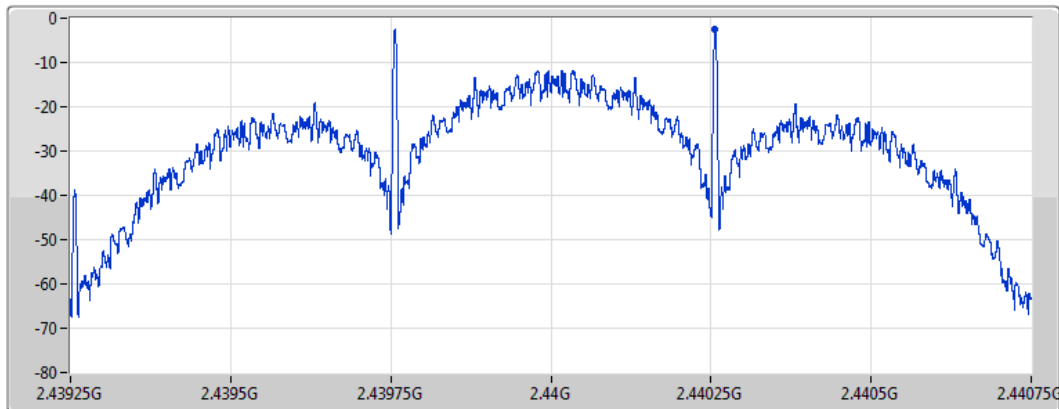
BT-LE(125kbps)


PSD

2440MHz

25/02/2022

CF
2.44GHz
Span
1.5MHz
RBW
3kHz
VBW
10kHz
Sweep Time
632.18121us
Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.46	-2.46	-2.46

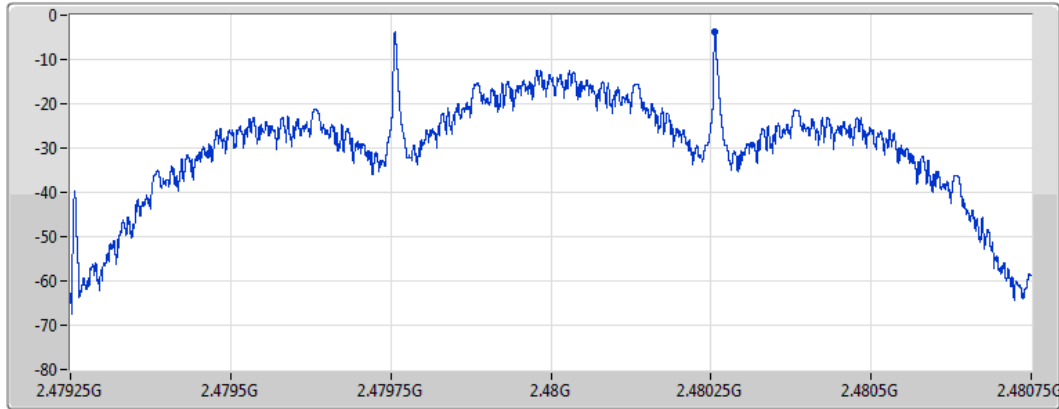
BT-LE(125kbps)


PSD

2480MHz

25/02/2022

CF
2.48GHz
Span
1.5MHz
RBW
3kHz
VBW
10kHz
Sweep Time
632.18121us
Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.69	-3.69	-3.69

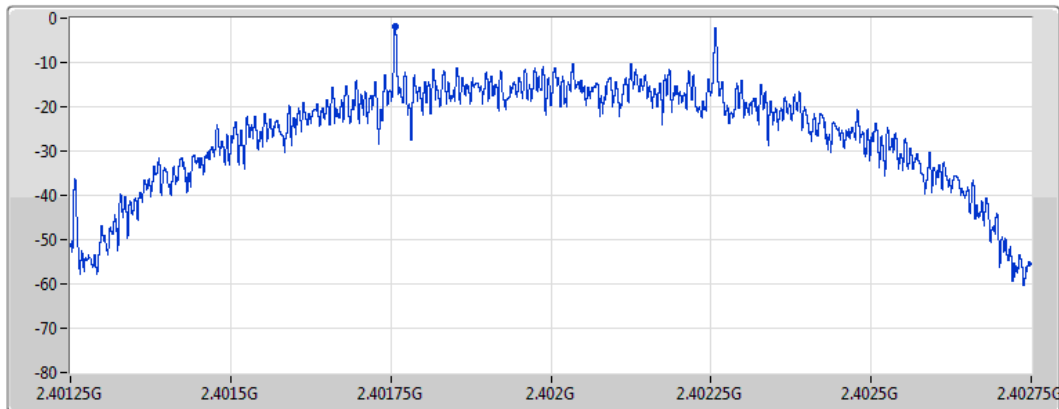
BT-LE(500kbps)


PSD

2402MHz

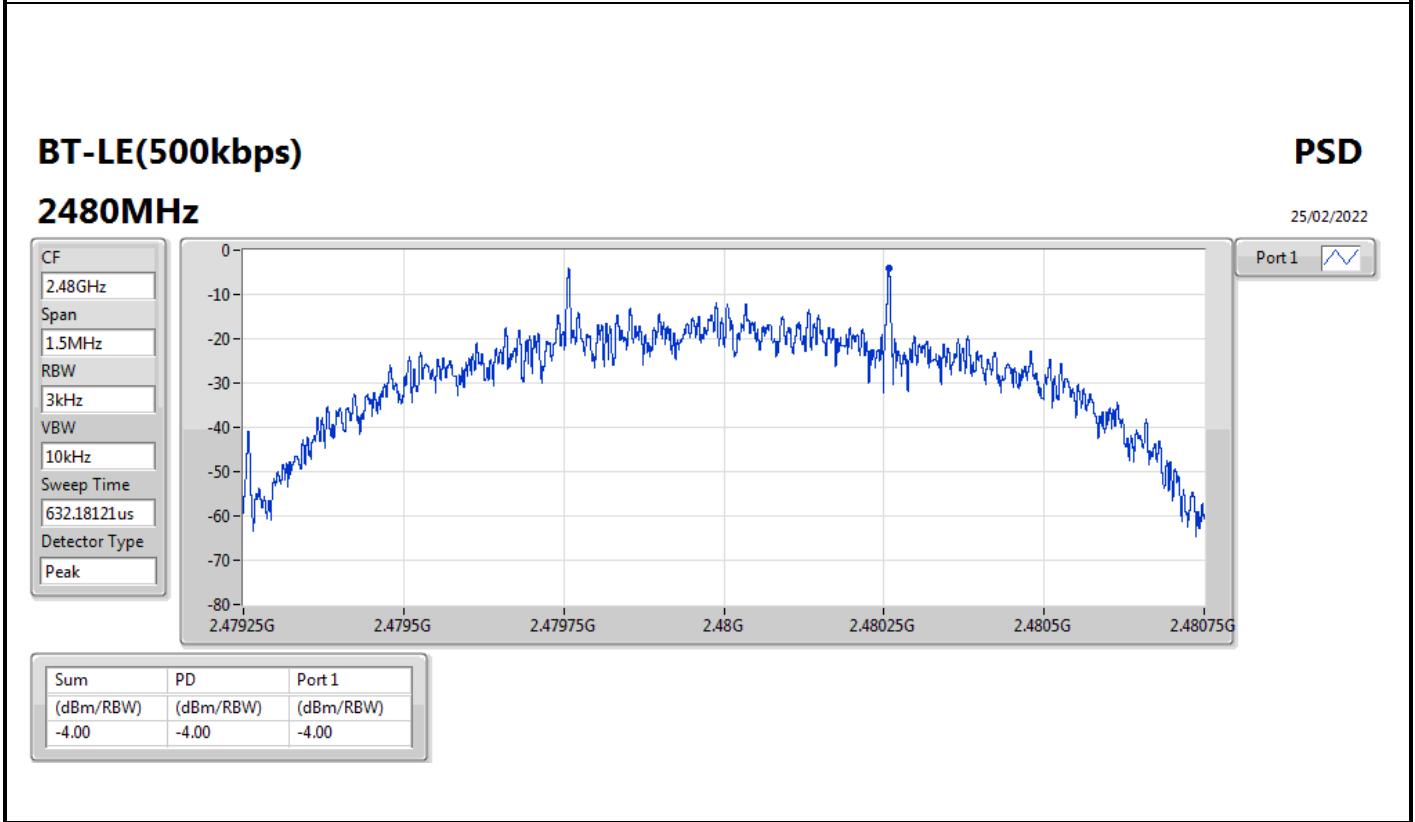
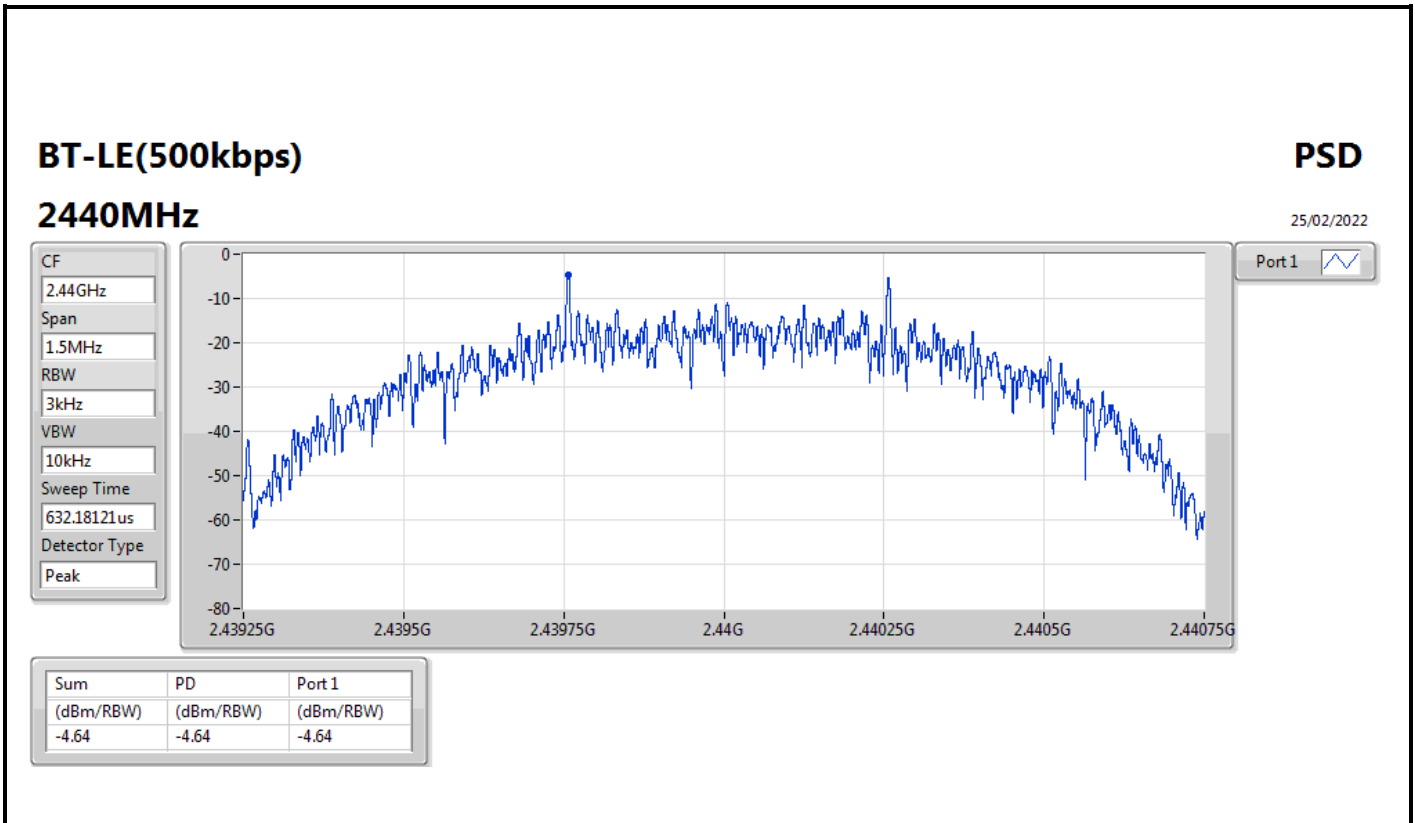
25/02/2022

CF
2.402GHz
Span
1.5MHz
RBW
3kHz
VBW
10kHz
Sweep Time
632.18121us
Detector Type
Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.01	-2.01	-2.01





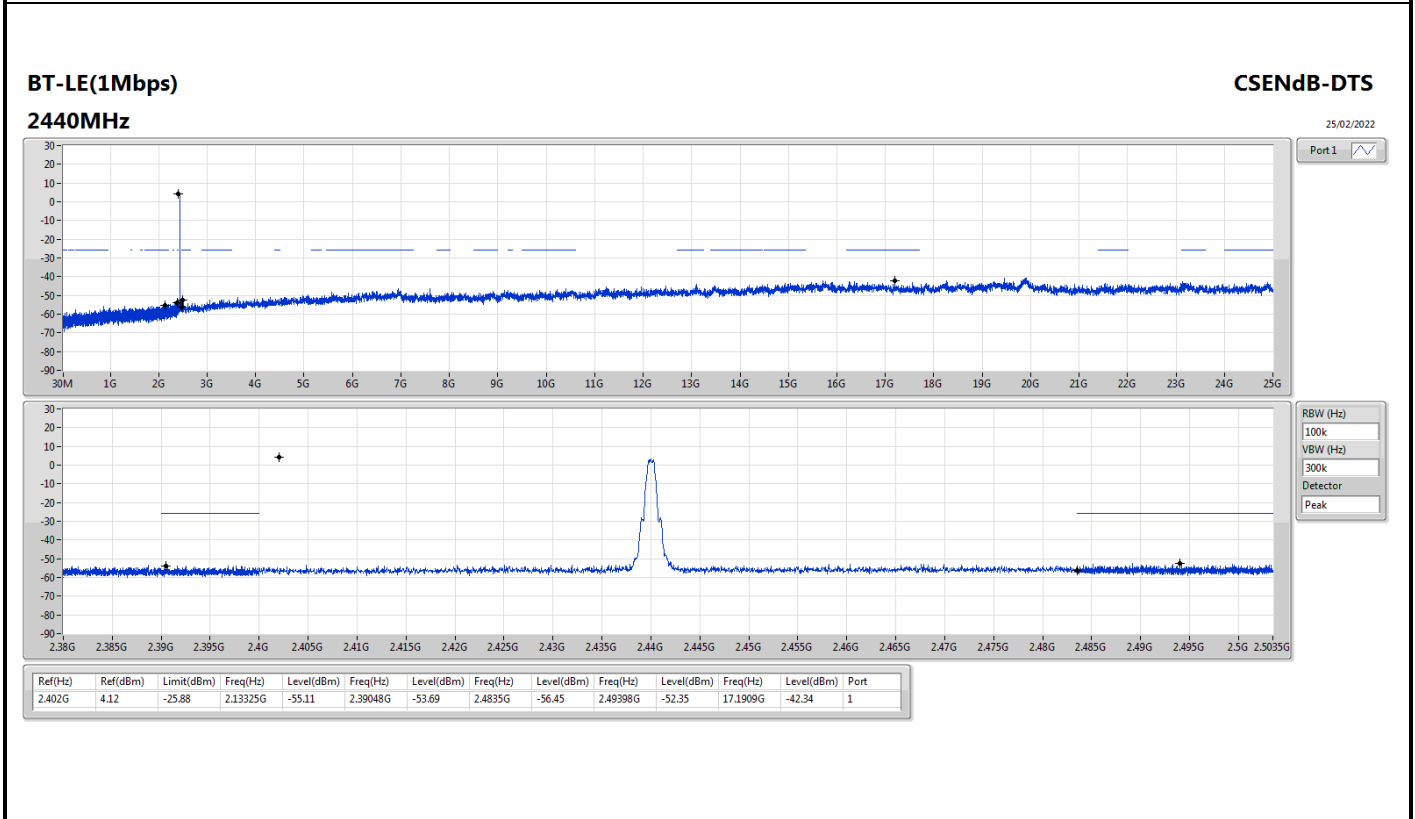
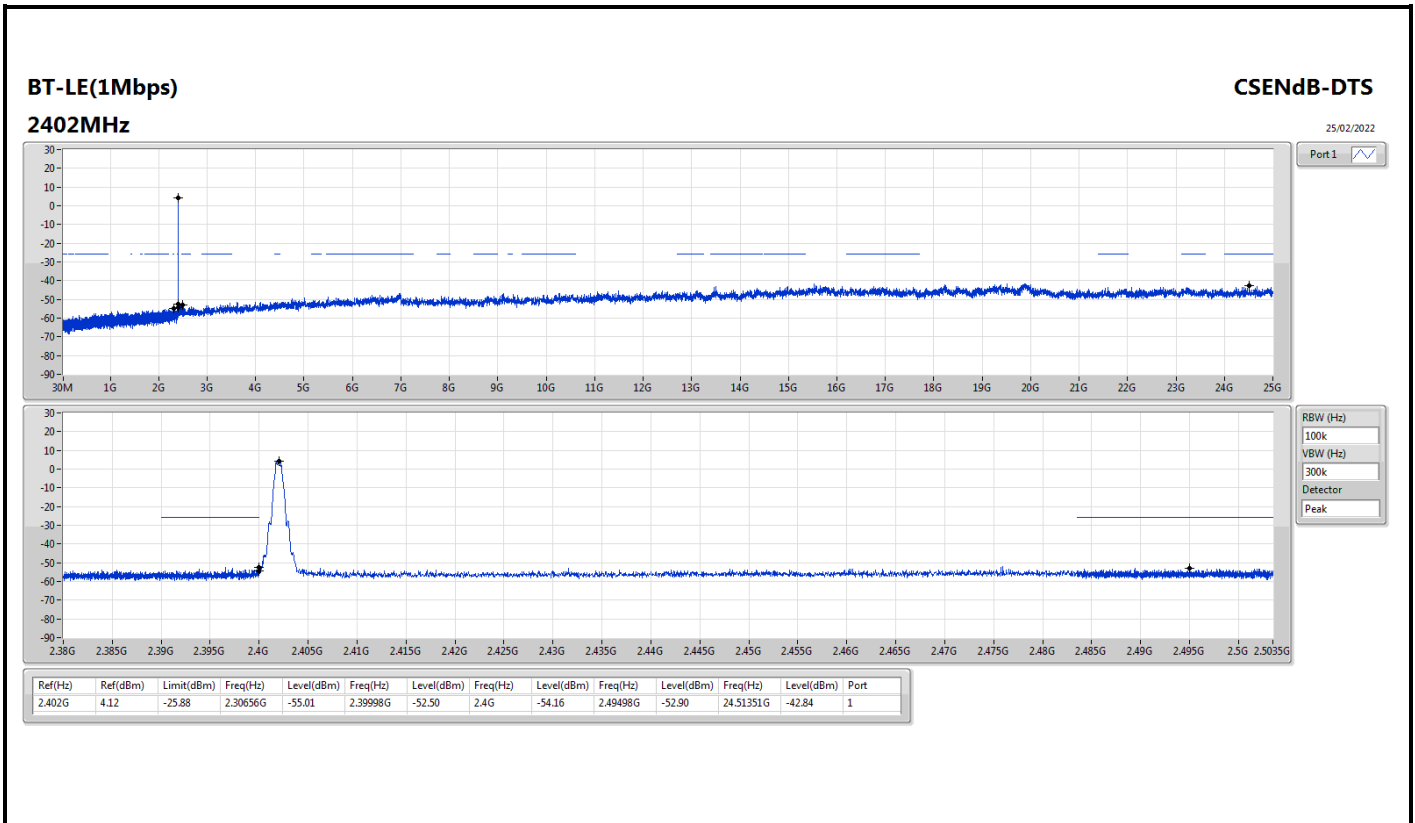
Summary

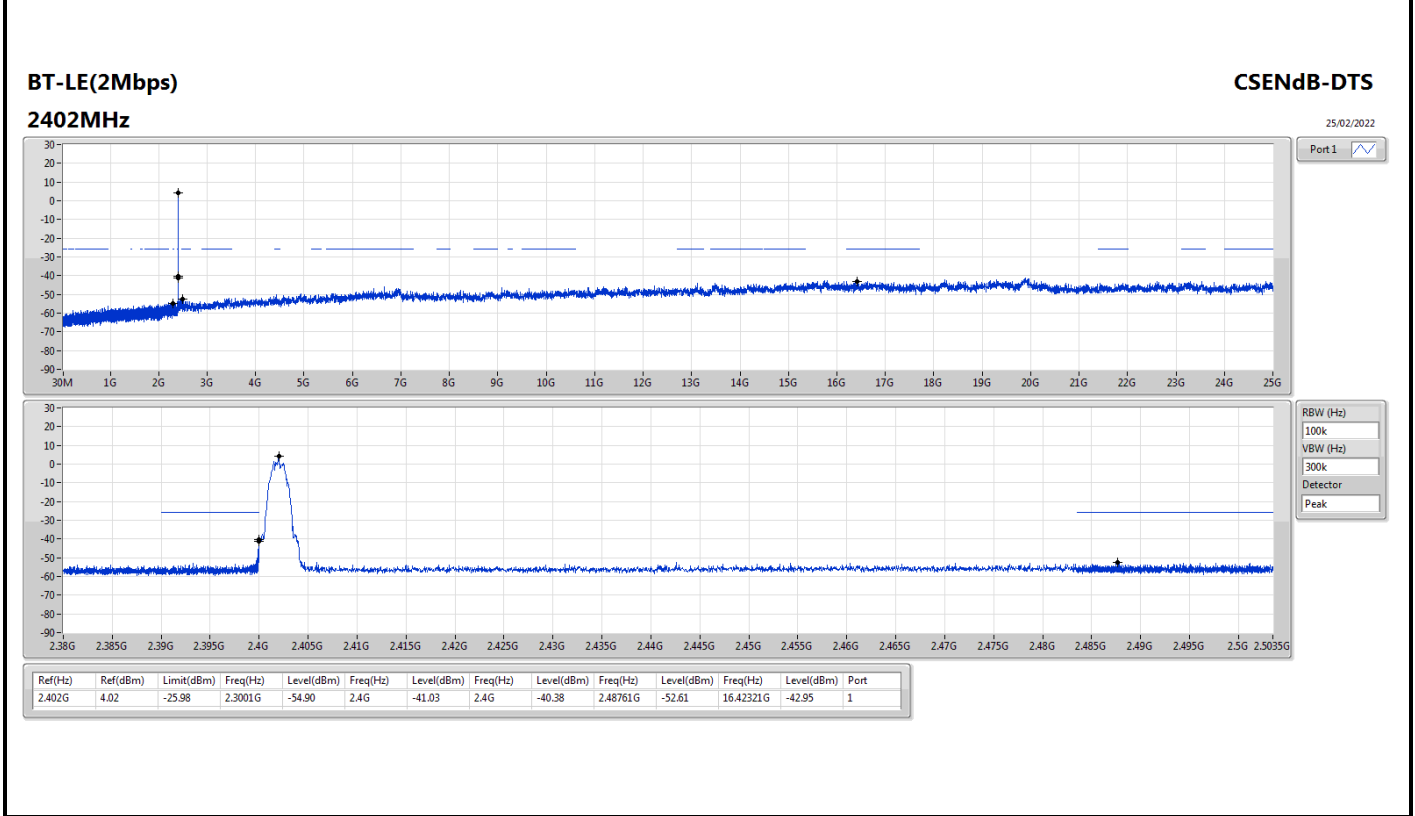
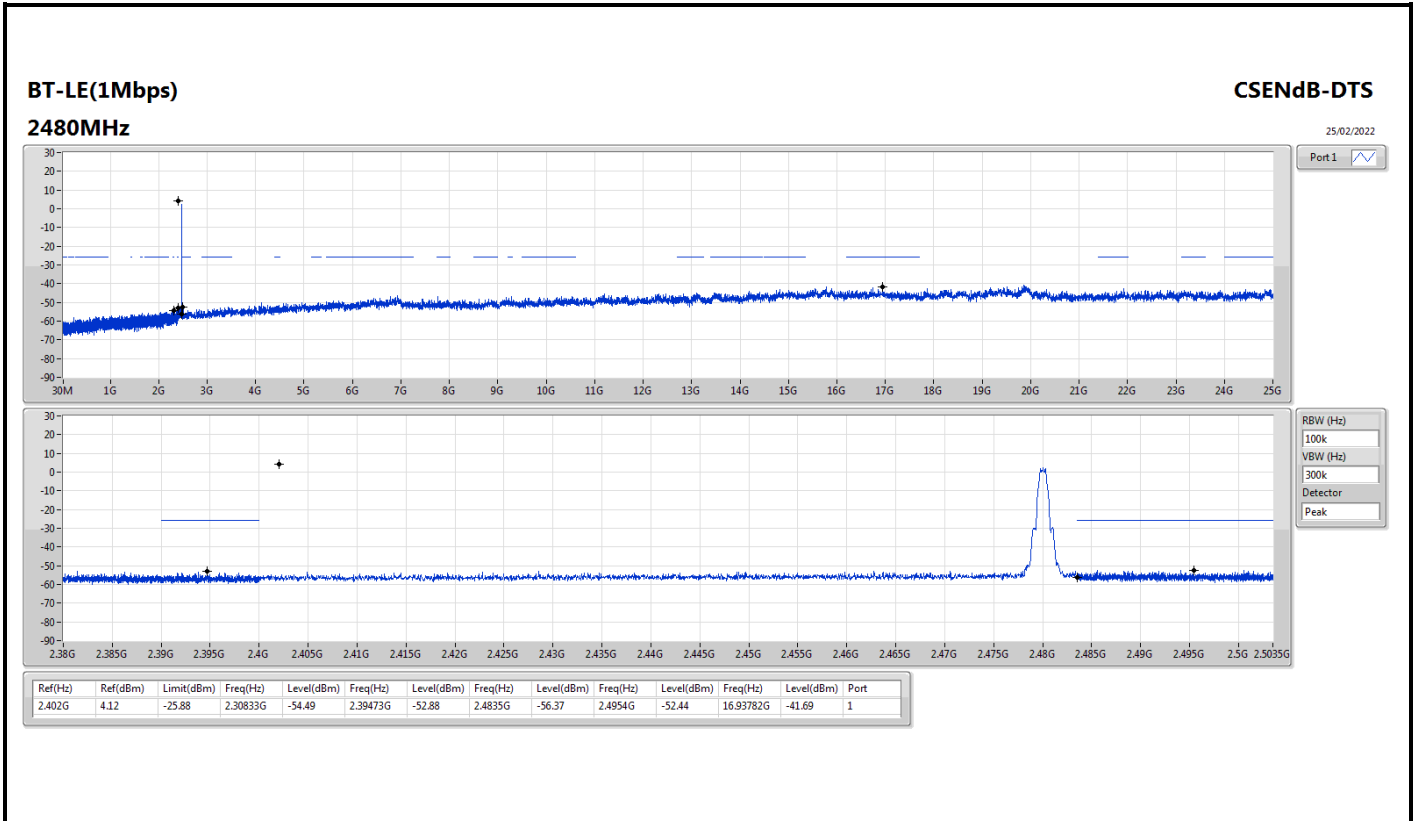
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.402G	4.12	-25.88	2.13325G	-55.11	2.39048G	-53.69	2.4835G	-56.45	2.49398G	-52.35	17.1909G	-42.34	1
BT-LE(2Mbps)	Pass	2.402G	4.02	-25.98	2.3001G	-54.90	2.4G	-41.03	2.4G	-40.38	2.48761G	-52.61	16.42321G	-42.95	1
BT-LE(125kbps)	Pass	2.402G	3.09	-26.91	2.03866G	-55.06	2.39842G	-53.88	2.4G	-55.42	2.48443G	-52.21	16.60037G	-41.69	1
BT-LE(500kbps)	Pass	2.40171G	4.33	-25.67	2.10916G	-54.31	2.39306G	-52.87	2.4G	-54.52	2.48393G	-51.77	23.23965G	-42.63	1

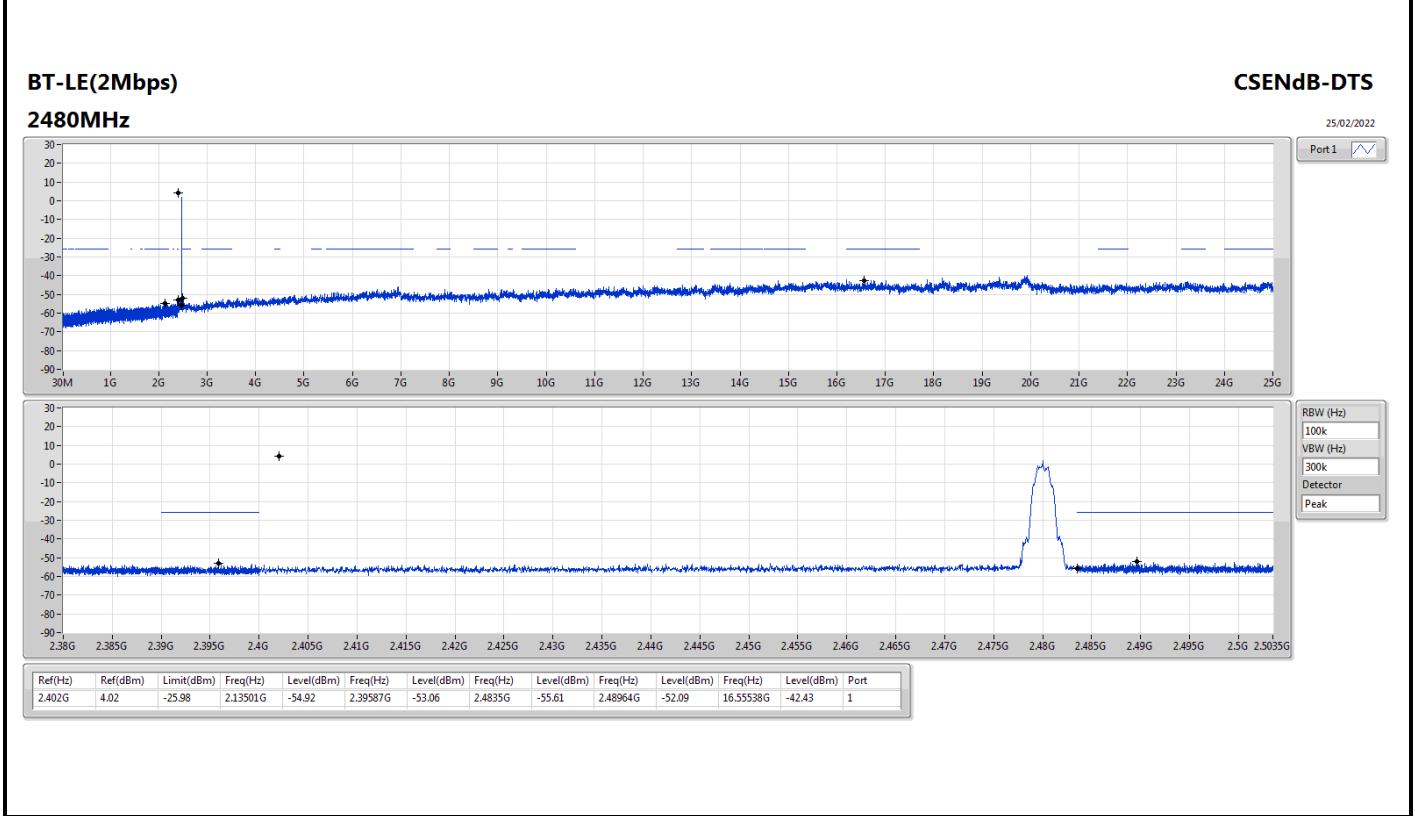
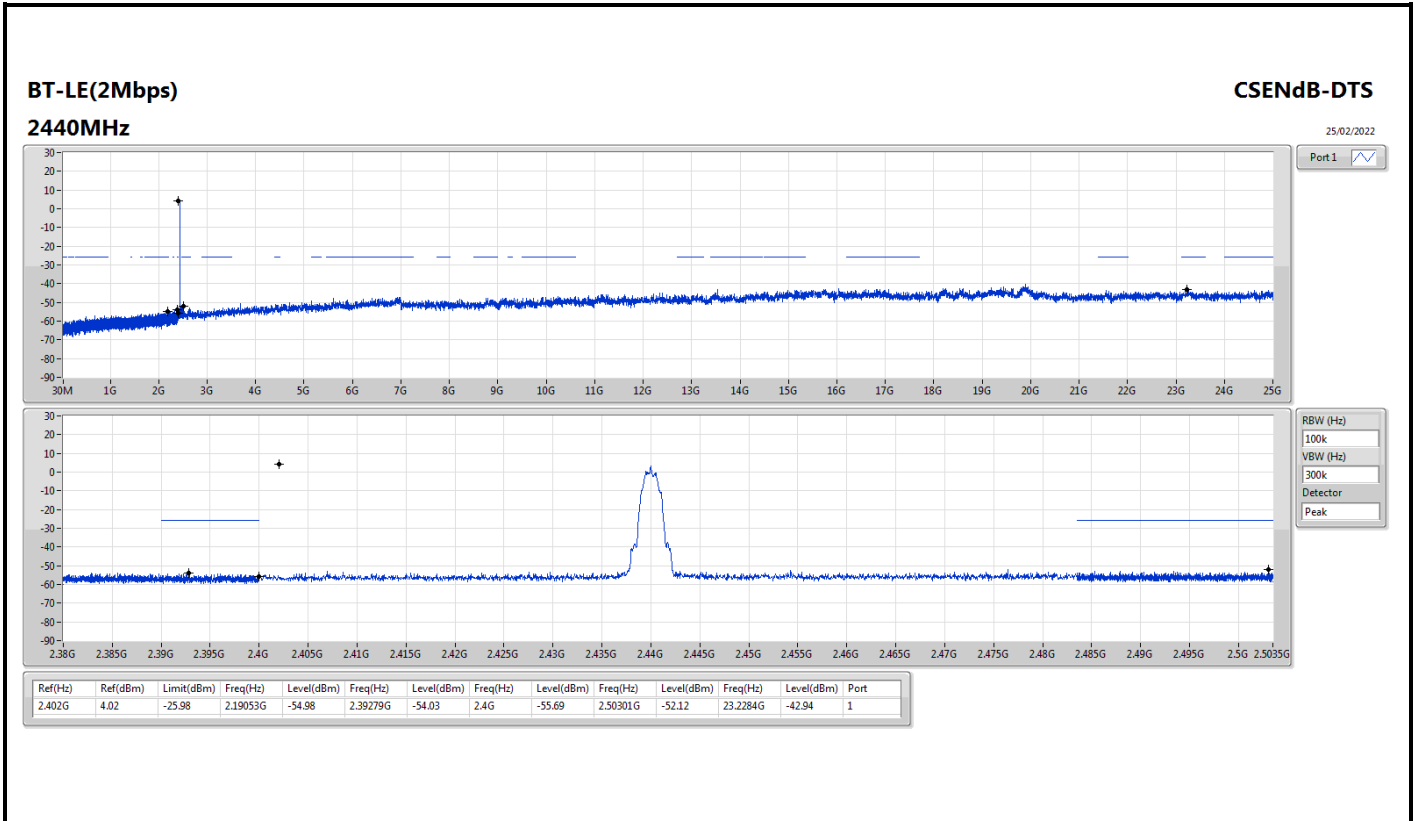


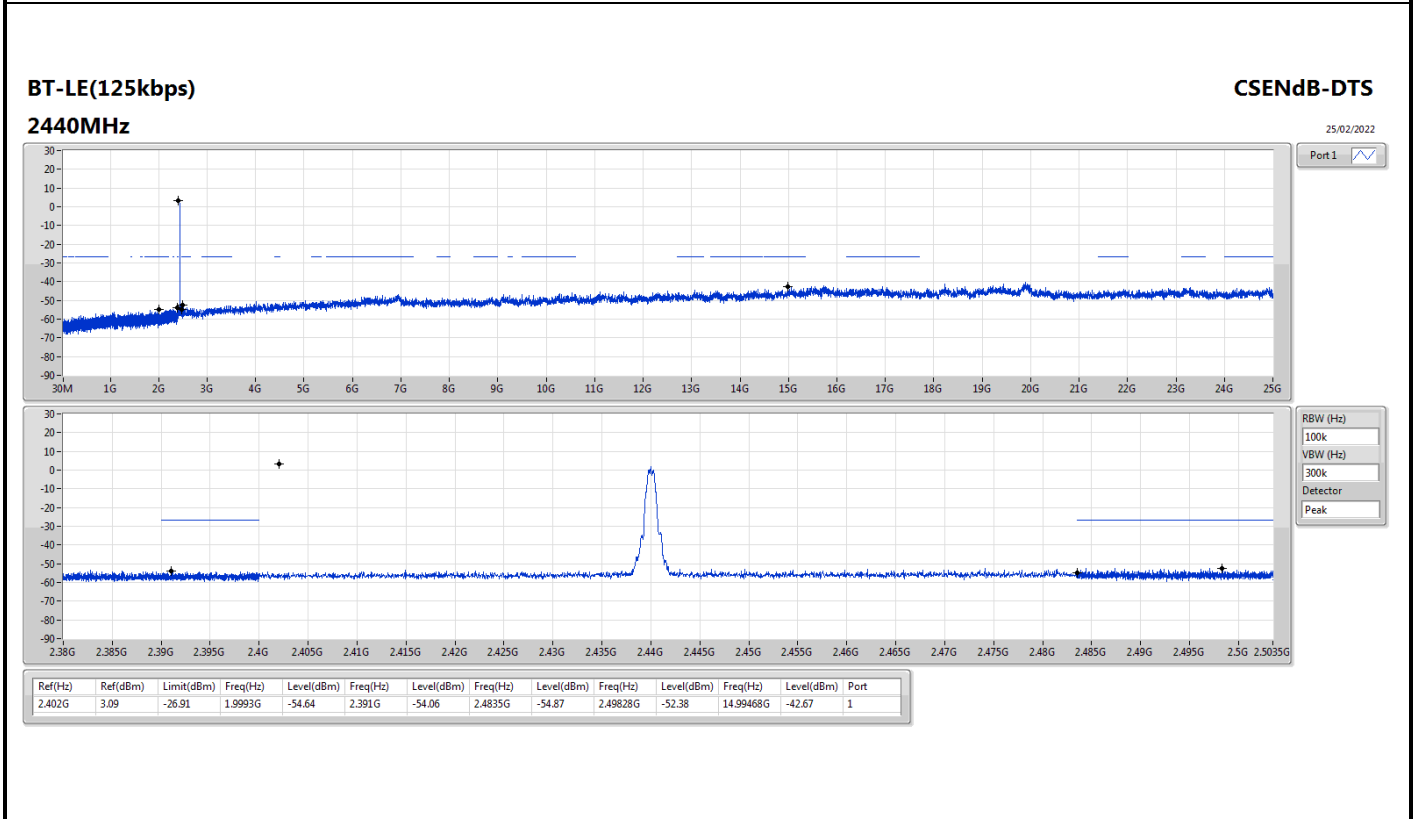
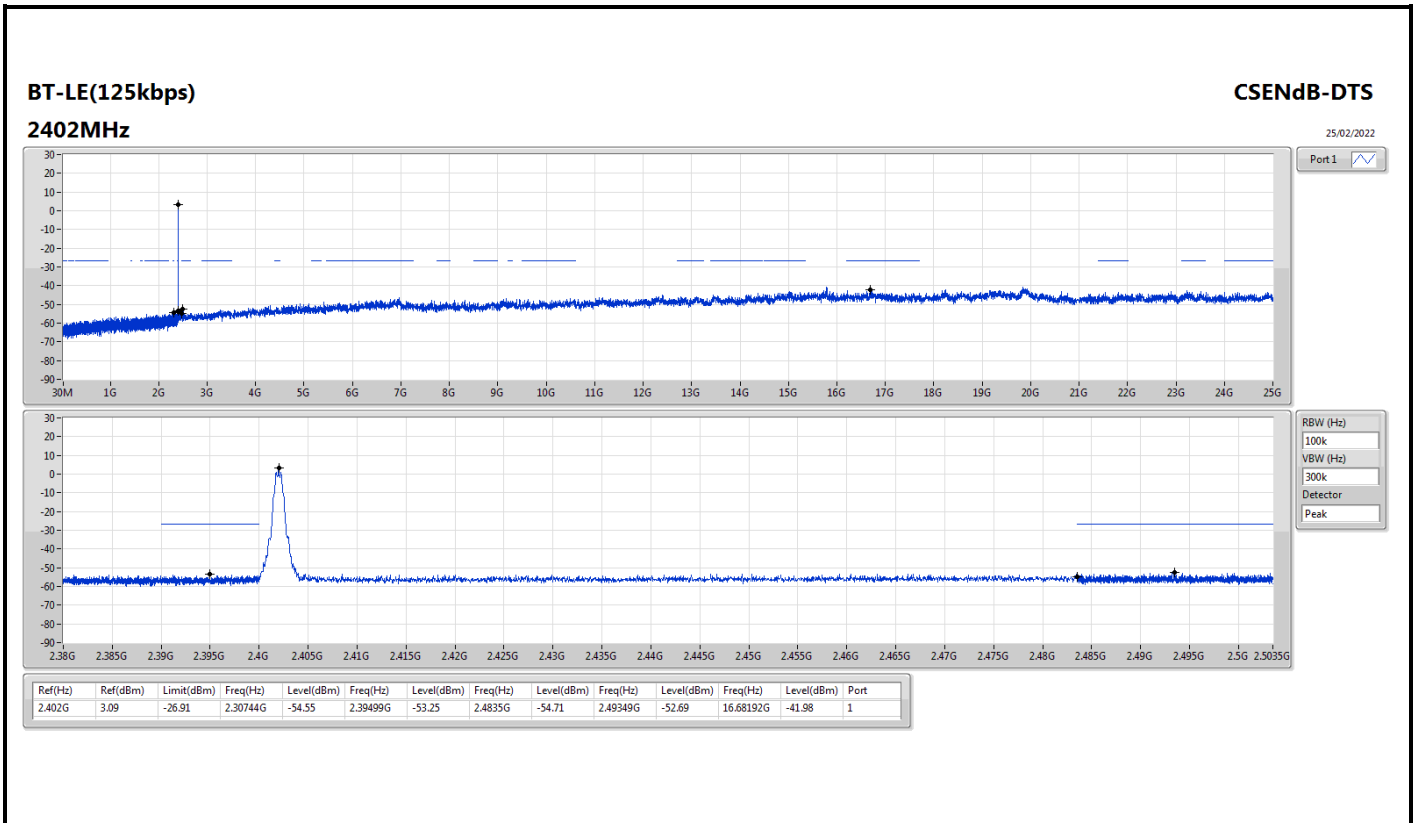
Result

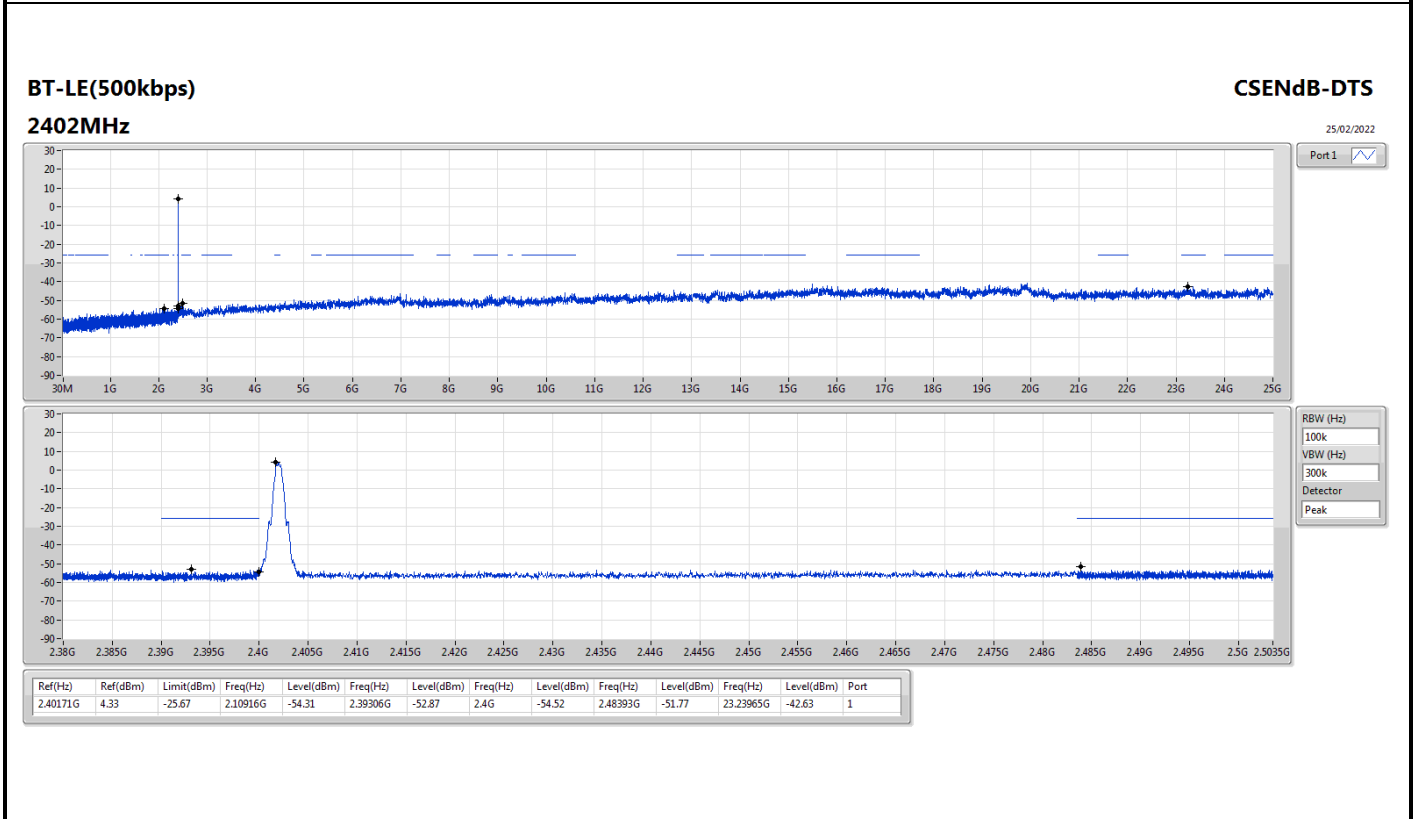
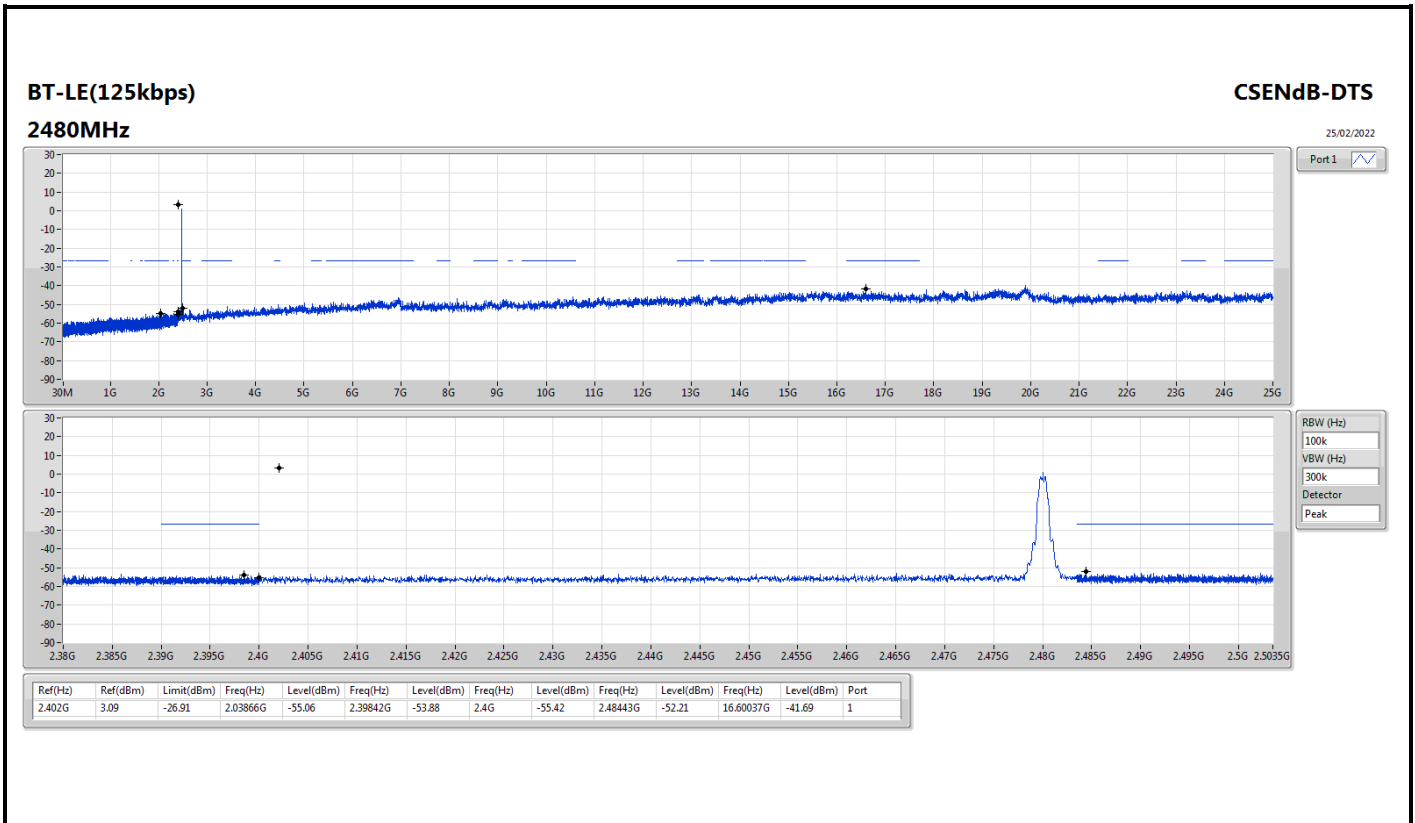
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	4.12	-25.88	2.30656G	-55.01	2.39998G	-52.50	2.4G	-54.16	2.49498G	-52.90	24.51351G	-42.84	1
2440MHz	Pass	2.402G	4.12	-25.88	2.13325G	-55.11	2.39048G	-53.69	2.4835G	-56.45	2.49398G	-52.35	17.1909G	-42.34	1
2480MHz	Pass	2.402G	4.12	-25.88	2.30833G	-54.49	2.39473G	-52.88	2.4835G	-56.37	2.4954G	-52.44	16.93782G	-41.69	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	4.02	-25.98	2.3001G	-54.90	2.4G	-41.03	2.4G	-40.38	2.48761G	-52.61	16.42321G	-42.95	1
2440MHz	Pass	2.402G	4.02	-25.98	2.19053G	-54.98	2.39279G	-54.03	2.4G	-55.69	2.50301G	-52.12	23.2284G	-42.94	1
2480MHz	Pass	2.402G	4.02	-25.98	2.13501G	-54.92	2.39587G	-53.06	2.4835G	-55.61	2.48964G	-52.09	16.55538G	-42.43	1
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	3.09	-26.91	2.30744G	-54.55	2.39499G	-53.25	2.4835G	-54.71	2.49349G	-52.69	16.68192G	-41.98	1
2440MHz	Pass	2.402G	3.09	-26.91	1.9993G	-54.64	2.391G	-54.06	2.4835G	-54.87	2.49828G	-52.38	14.99468G	-42.67	1
2480MHz	Pass	2.402G	3.09	-26.91	2.03866G	-55.06	2.39842G	-53.88	2.4G	-55.42	2.48443G	-52.21	16.60037G	-41.69	1
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40171G	4.33	-25.67	2.10916G	-54.31	2.39306G	-52.87	2.4G	-54.52	2.48393G	-51.77	23.23965G	-42.63	1
2440MHz	Pass	2.40171G	4.33	-25.67	2.12943G	-54.94	2.39029G	-53.45	2.4835G	-54.86	2.49461G	-52.85	16.90688G	-42.12	1
2480MHz	Pass	2.40171G	4.33	-25.67	2.12356G	-55.06	2.39985G	-53.46	2.4835G	-54.31	2.50001G	-52.30	16.90126G	-42.83	1

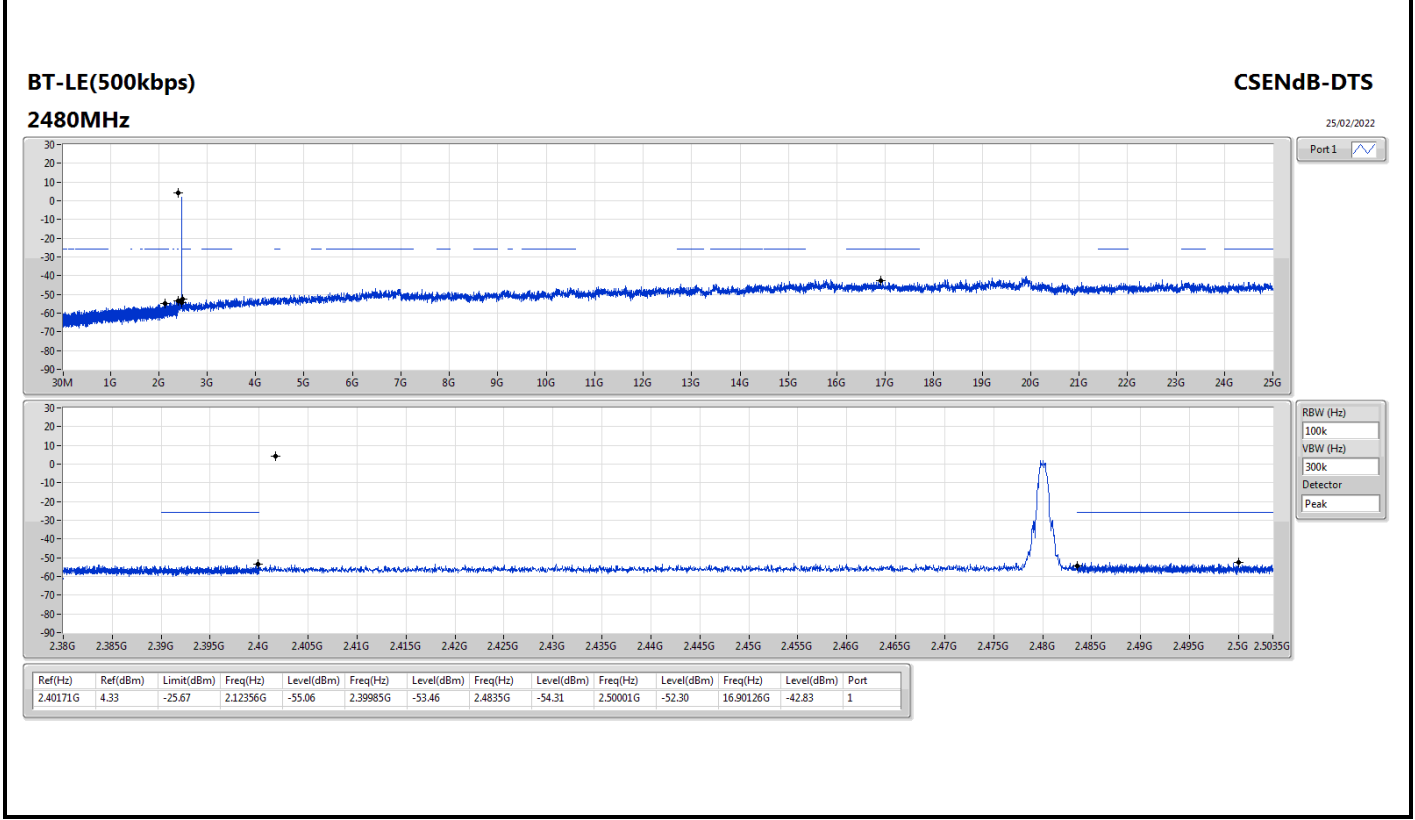
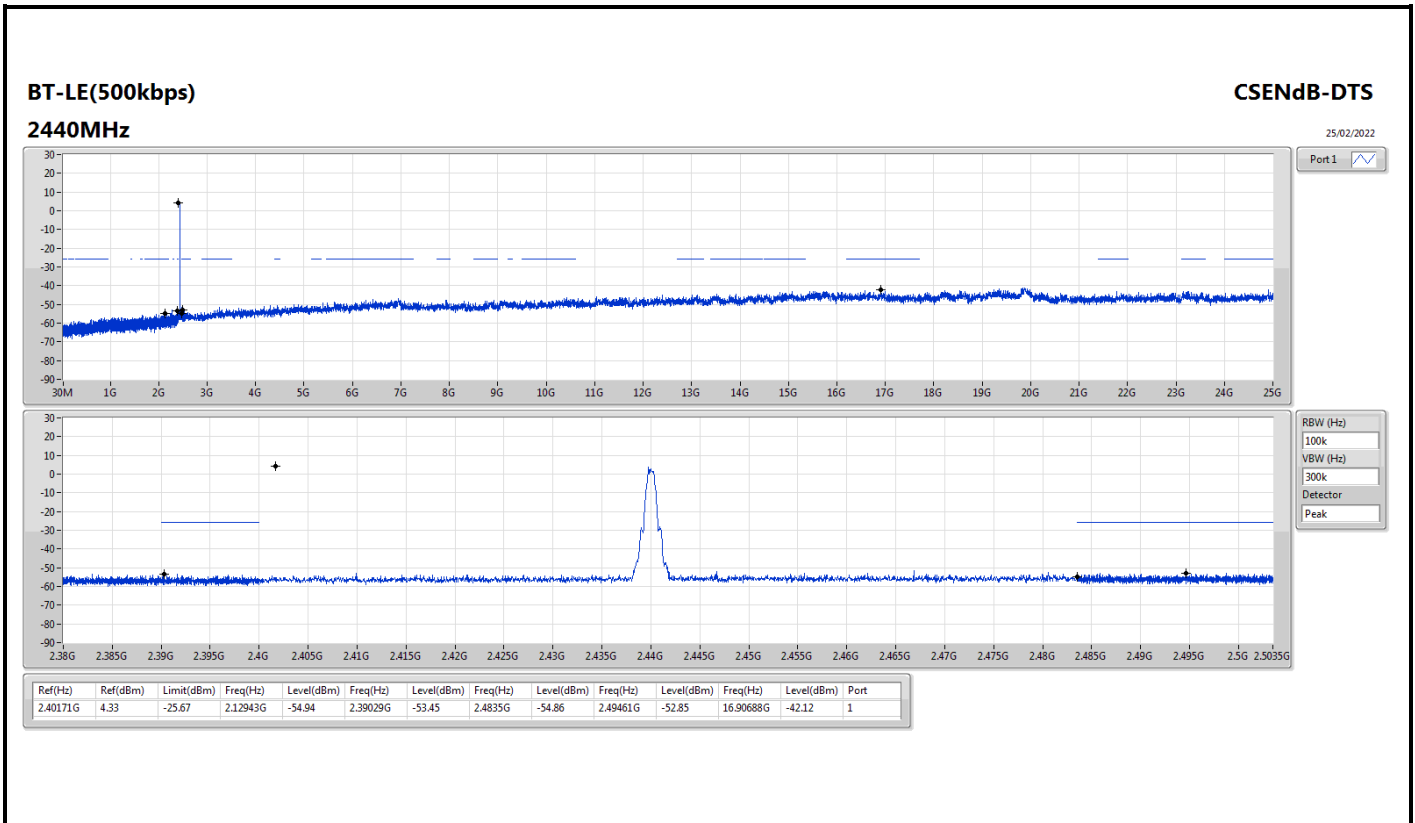














Summary

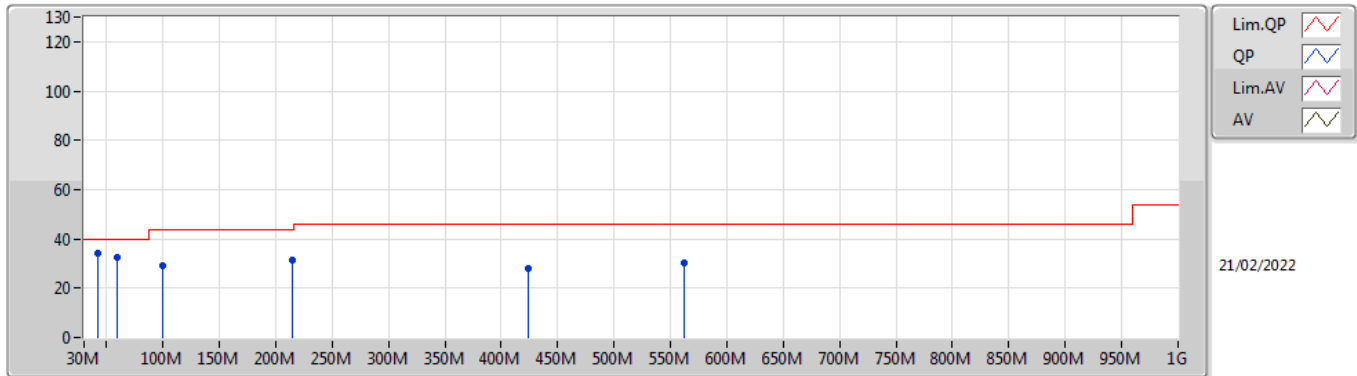
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	41.64M	34.08	40.00	-5.92	3	Vertical	0	1.00	-



Result

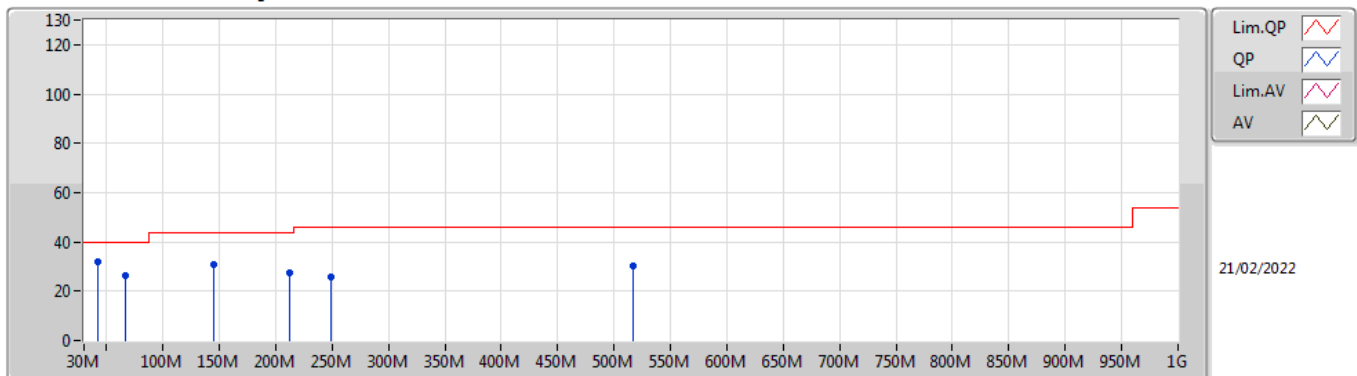
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	41.64M	34.08	40.00	-5.92	3	Vertical	0	1.00	-
2440MHz	Pass	PK	59.1M	32.64	40.00	-7.36	3	Vertical	0	1.00	-
2440MHz	Pass	PK	99.84M	29.26	43.50	-14.24	3	Vertical	0	1.00	-
2440MHz	Pass	PK	214.3M	31.16	43.50	-12.34	3	Vertical	0	1.00	-
2440MHz	Pass	PK	423.82M	28.06	46.00	-17.94	3	Vertical	0	1.00	-
2440MHz	Pass	PK	561.56M	30.31	46.00	-15.69	3	Vertical	0	1.00	-
2440MHz	Pass	PK	41.64M	32.20	40.00	-7.80	3	Horizontal	360	3.00	-
2440MHz	Pass	PK	66.86M	26.40	40.00	-13.60	3	Horizontal	360	3.00	-
2440MHz	Pass	PK	144.46M	30.77	43.50	-12.73	3	Horizontal	360	3.00	-
2440MHz	Pass	PK	212.36M	27.50	43.50	-16.00	3	Horizontal	360	3.00	-
2440MHz	Pass	PK	249.22M	25.57	46.00	-20.43	3	Horizontal	360	3.00	-
2440MHz	Pass	PK	516.94M	30.11	46.00	-15.89	3	Horizontal	360	3.00	-

BT-LE(2Mbps)
2440MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	41.64M	34.08	40.00	-5.92	-9.66	3	Vertical	0	1.00	-	43.74	16.80	0.98	27.44
PK	59.1M	32.64	40.00	-7.36	-15.06	3	Vertical	0	1.00	-	47.70	11.57	1.13	27.76
PK	99.84M	29.26	43.50	-14.24	-10.35	3	Vertical	0	1.00	-	39.61	16.00	1.42	27.77
PK	214.3M	31.16	43.50	-12.34	-11.08	3	Vertical	0	1.00	-	42.24	14.14	2.01	27.23
PK	423.82M	28.06	46.00	-17.94	-3.29	3	Vertical	0	1.00	-	31.35	21.81	2.82	27.92
PK	561.56M	30.31	46.00	-15.69	-1.12	3	Vertical	0	1.00	-	31.43	24.00	3.23	28.35

BT-LE(2Mbps)
2440MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	41.64M	32.20	40.00	-7.80	-9.66	3	Horizontal	360	3.00	-	41.86	16.80	0.98	27.44
PK	66.86M	26.40	40.00	-13.60	-15.21	3	Horizontal	360	3.00	-	41.61	11.43	1.19	27.83
PK	144.46M	30.77	43.50	-12.73	-9.95	3	Horizontal	360	3.00	-	40.72	15.96	1.67	27.58
PK	212.36M	27.50	43.50	-16.00	-11.03	3	Horizontal	360	3.00	-	38.53	14.21	2.01	27.25
PK	249.22M	25.57	46.00	-20.43	-7.40	3	Horizontal	360	3.00	-	32.97	17.47	2.15	27.02
PK	516.94M	30.11	46.00	-15.89	-2.59	3	Horizontal	360	3.00	-	32.70	22.63	3.12	28.34



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	2.4835G	50.52	54.00	-3.48	3	Horizontal	360	1.35	-
BT-LE(2Mbps)	Pass	AV	2.4835G	52.00	54.00	-2.00	3	Horizontal	352	1.39	-
BT-LE(125kbps)	Pass	AV	2.4835G	51.17	54.00	-2.83	3	Horizontal	355	1.15	-
BT-LE(500kbps)	Pass	AV	2.4835G	50.26	54.00	-3.74	3	Horizontal	337	2.20	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3776G	48.09	54.00	-5.91	3	Vertical	201	1.05	-
2402MHz	Pass	AV	2.402G	95.21	Inf	-Inf	3	Vertical	201	1.05	-
2402MHz	Pass	PK	2.3598G	58.93	74.00	-15.07	3	Vertical	201	1.05	-
2402MHz	Pass	PK	2.4018G	96.82	Inf	-Inf	3	Vertical	201	1.05	-
2402MHz	Pass	AV	2.3626G	48.05	54.00	-5.95	3	Horizontal	360	2.83	-
2402MHz	Pass	AV	2.402G	103.66	Inf	-Inf	3	Horizontal	360	2.83	-
2402MHz	Pass	PK	2.3628G	58.95	74.00	-15.05	3	Horizontal	360	2.83	-
2402MHz	Pass	PK	2.4018G	105.05	Inf	-Inf	3	Horizontal	360	2.83	-
2402MHz	Pass	AV	4.80194G	30.57	54.00	-23.43	3	Vertical	234	2.11	-
2402MHz	Pass	PK	4.80627G	42.54	74.00	-31.46	3	Vertical	234	2.11	-
2402MHz	Pass	AV	4.8016G	30.35	54.00	-23.65	3	Horizontal	35	1.36	-
2402MHz	Pass	PK	4.80333G	42.14	74.00	-31.86	3	Horizontal	35	1.36	-
2440MHz	Pass	AV	2.3676G	48.26	54.00	-5.74	3	Vertical	196	1.37	-
2440MHz	Pass	AV	2.44G	94.94	Inf	-Inf	3	Vertical	196	1.37	-
2440MHz	Pass	AV	2.4976G	47.74	54.00	-6.26	3	Vertical	196	1.37	-
2440MHz	Pass	PK	2.3464G	59.55	74.00	-14.45	3	Vertical	196	1.37	-
2440MHz	Pass	PK	2.4404G	96.31	Inf	-Inf	3	Vertical	196	1.37	-
2440MHz	Pass	PK	2.4856G	59.00	74.00	-15.00	3	Vertical	196	1.37	-
2440MHz	Pass	AV	2.3636G	48.29	54.00	-5.71	3	Horizontal	351	1.01	-
2440MHz	Pass	AV	2.44G	104.32	Inf	-Inf	3	Horizontal	351	1.01	-
2440MHz	Pass	AV	2.4972G	47.71	54.00	-6.29	3	Horizontal	351	1.01	-
2440MHz	Pass	PK	2.3592G	59.10	74.00	-14.90	3	Horizontal	351	1.01	-
2440MHz	Pass	PK	2.4404G	105.81	Inf	-Inf	3	Horizontal	351	1.01	-
2440MHz	Pass	PK	2.4928G	59.07	74.00	-14.93	3	Horizontal	351	1.01	-
2440MHz	Pass	AV	4.87937G	30.84	54.00	-23.16	3	Vertical	38	1.99	-
2440MHz	Pass	AV	7.32033G	37.01	54.00	-16.99	3	Vertical	252	2.03	-
2440MHz	Pass	PK	4.88099G	42.91	74.00	-31.09	3	Vertical	38	1.99	-
2440MHz	Pass	PK	7.31942G	48.92	74.00	-25.08	3	Vertical	252	2.03	-
2440MHz	Pass	AV	4.88157G	30.65	54.00	-23.35	3	Horizontal	88	1.50	-
2440MHz	Pass	AV	7.32115G	37.14	54.00	-16.86	3	Horizontal	139	3.00	-
2440MHz	Pass	PK	4.88021G	43.90	74.00	-30.10	3	Horizontal	88	1.50	-
2440MHz	Pass	PK	7.31805G	49.57	74.00	-24.43	3	Horizontal	139	3.00	-
2480MHz	Pass	AV	2.48G	94.72	Inf	-Inf	3	Vertical	326	1.00	-
2480MHz	Pass	AV	2.489G	47.83	54.00	-6.17	3	Vertical	326	1.00	-
2480MHz	Pass	PK	2.4798G	96.14	Inf	-Inf	3	Vertical	326	1.00	-
2480MHz	Pass	PK	2.4906G	58.30	74.00	-15.70	3	Vertical	326	1.00	-
2480MHz	Pass	AV	2.48G	102.87	Inf	-Inf	3	Horizontal	360	1.35	-
2480MHz	Pass	AV	2.4835G	50.52	54.00	-3.48	3	Horizontal	360	1.35	-
2480MHz	Pass	PK	2.4798G	104.21	Inf	-Inf	3	Horizontal	360	1.35	-
2480MHz	Pass	PK	2.4836G	58.51	74.00	-15.49	3	Horizontal	360	1.35	-
2480MHz	Pass	AV	4.95962G	31.02	54.00	-22.98	3	Vertical	360	1.07	-
2480MHz	Pass	AV	7.43842G	37.58	54.00	-16.42	3	Vertical	360	1.22	-
2480MHz	Pass	PK	4.95939G	43.89	74.00	-30.11	3	Vertical	360	1.07	-
2480MHz	Pass	PK	7.43929G	49.72	74.00	-24.28	3	Vertical	360	1.22	-
2480MHz	Pass	AV	4.95773G	30.64	54.00	-23.36	3	Horizontal	224	1.50	-
2480MHz	Pass	AV	7.43855G	37.64	54.00	-16.36	3	Horizontal	230	1.55	-
2480MHz	Pass	PK	4.96243G	43.94	74.00	-30.06	3	Horizontal	224	1.50	-
2480MHz	Pass	PK	7.43832G	50.39	74.00	-23.61	3	Horizontal	230	1.55	-
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3534G	49.26	54.00	-4.74	3	Vertical	198	1.05	-
2402MHz	Pass	AV	2.4022G	94.03	Inf	-Inf	3	Vertical	198	1.05	-
2402MHz	Pass	PK	2.3828G	58.81	74.00	-15.19	3	Vertical	198	1.05	-
2402MHz	Pass	PK	2.4014G	96.96	Inf	-Inf	3	Vertical	198	1.05	-
2402MHz	Pass	AV	2.376G	49.08	54.00	-4.92	3	Horizontal	357	2.83	-
2402MHz	Pass	AV	2.402G	102.01	Inf	-Inf	3	Horizontal	357	2.83	-
2402MHz	Pass	PK	2.3578G	59.10	74.00	-14.90	3	Horizontal	357	2.83	-
2402MHz	Pass	PK	2.4016G	105.00	Inf	-Inf	3	Horizontal	357	2.83	-
2402MHz	Pass	AV	4.80183G	32.43	54.00	-21.57	3	Vertical	80	1.36	-
2402MHz	Pass	PK	4.80262G	43.06	74.00	-30.94	3	Vertical	80	1.36	-
2402MHz	Pass	AV	4.80445G	32.53	54.00	-21.47	3	Horizontal	150	2.21	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2402MHz	Pass	PK	4.80355G	43.10	74.00	-30.90	3	Horizontal	150	2.21	-
2440MHz	Pass	AV	2.3728G	49.41	54.00	-4.59	3	Vertical	195	1.39	-
2440MHz	Pass	AV	2.44G	93.49	Inf	-Inf	3	Vertical	195	1.39	-
2440MHz	Pass	AV	2.488G	48.90	54.00	-5.10	3	Vertical	195	1.39	-
2440MHz	Pass	PK	2.3424G	58.87	74.00	-15.13	3	Vertical	195	1.39	-
2440MHz	Pass	PK	2.4404G	96.39	Inf	-Inf	3	Vertical	195	1.39	-
2440MHz	Pass	PK	2.496G	58.19	74.00	-15.81	3	Vertical	195	1.39	-
2440MHz	Pass	AV	2.3436G	49.40	54.00	-4.60	3	Horizontal	353	1.23	-
2440MHz	Pass	AV	2.44G	102.45	Inf	-Inf	3	Horizontal	353	1.23	-
2440MHz	Pass	AV	2.4848G	48.61	54.00	-5.39	3	Horizontal	353	1.23	-
2440MHz	Pass	PK	2.36G	58.84	74.00	-15.16	3	Horizontal	353	1.23	-
2440MHz	Pass	PK	2.4404G	105.51	Inf	-Inf	3	Horizontal	353	1.23	-
2440MHz	Pass	PK	2.484G	58.16	74.00	-15.84	3	Horizontal	353	1.23	-
2440MHz	Pass	AV	4.87896G	32.98	54.00	-21.02	3	Vertical	248	1.64	-
2440MHz	Pass	AV	7.32197G	39.09	54.00	-14.91	3	Vertical	192	2.46	-
2440MHz	Pass	PK	4.8807G	43.96	74.00	-30.04	3	Vertical	248	1.64	-
2440MHz	Pass	PK	7.32168G	49.22	74.00	-24.78	3	Vertical	192	2.46	-
2440MHz	Pass	AV	4.87776G	32.57	54.00	-21.43	3	Horizontal	176	2.11	-
2440MHz	Pass	AV	7.31946G	38.87	54.00	-15.13	3	Horizontal	54	1.64	-
2440MHz	Pass	PK	4.88033G	43.16	74.00	-30.84	3	Horizontal	176	2.11	-
2440MHz	Pass	PK	7.31852G	48.98	74.00	-25.02	3	Horizontal	54	1.64	-
2480MHz	Pass	AV	2.4802G	93.44	Inf	-Inf	3	Vertical	325	1.00	-
2480MHz	Pass	AV	2.495G	48.83	54.00	-5.17	3	Vertical	325	1.00	-
2480MHz	Pass	PK	2.4794G	96.40	Inf	-Inf	3	Vertical	325	1.00	-
2480MHz	Pass	PK	2.4874G	58.95	74.00	-15.05	3	Vertical	325	1.00	-
2480MHz	Pass	AV	2.48G	101.38	Inf	-Inf	3	Horizontal	352	1.39	-
2480MHz	Pass	AV	2.4835G	52.00	54.00	-2.00	3	Horizontal	352	1.39	-
2480MHz	Pass	PK	2.4804G	104.31	Inf	-Inf	3	Horizontal	352	1.39	-
2480MHz	Pass	PK	2.4835G	60.08	74.00	-13.92	3	Horizontal	352	1.39	-
2480MHz	Pass	AV	4.95936G	32.47	54.00	-21.53	3	Vertical	207	1.94	-
2480MHz	Pass	AV	7.43916G	38.96	54.00	-15.04	3	Vertical	71	1.07	-
2480MHz	Pass	PK	4.9603G	42.72	74.00	-31.28	3	Vertical	207	1.94	-
2480MHz	Pass	PK	7.44011G	50.47	74.00	-23.53	3	Vertical	71	1.07	-
2480MHz	Pass	AV	4.95946G	32.57	54.00	-21.43	3	Horizontal	217	2.55	-
2480MHz	Pass	AV	7.44166G	39.06	54.00	-14.94	3	Horizontal	12	2.53	-
2480MHz	Pass	PK	4.96062G	44.41	74.00	-29.59	3	Horizontal	217	2.55	-
2480MHz	Pass	PK	7.43986G	50.10	74.00	-23.90	3	Horizontal	12	2.53	-
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3556G	47.77	54.00	-6.23	3	Vertical	200	1.06	-
2402MHz	Pass	AV	2.402G	95.17	Inf	-Inf	3	Vertical	200	1.06	-
2402MHz	Pass	PK	2.3686G	59.23	74.00	-14.77	3	Vertical	200	1.06	-
2402MHz	Pass	PK	2.4018G	96.89	Inf	-Inf	3	Vertical	200	1.06	-
2402MHz	Pass	AV	2.3598G	47.72	54.00	-6.28	3	Horizontal	356	2.06	-
2402MHz	Pass	AV	2.402G	103.47	Inf	-Inf	3	Horizontal	356	2.06	-
2402MHz	Pass	PK	2.3576G	59.05	74.00	-14.95	3	Horizontal	356	2.06	-
2402MHz	Pass	PK	2.4018G	105.27	Inf	-Inf	3	Horizontal	356	2.06	-
2402MHz	Pass	AV	4.80326G	29.86	54.00	-24.14	3	Vertical	307	1.51	-
2402MHz	Pass	PK	4.80343G	43.57	74.00	-30.43	3	Vertical	307	1.51	-
2402MHz	Pass	AV	4.80264G	29.75	54.00	-24.25	3	Horizontal	84	1.80	-
2402MHz	Pass	PK	4.80283G	43.02	74.00	-30.98	3	Horizontal	84	1.80	-
2440MHz	Pass	AV	2.342G	47.80	54.00	-6.20	3	Vertical	196	1.37	-
2440MHz	Pass	AV	2.44G	94.57	Inf	-Inf	3	Vertical	196	1.37	-
2440MHz	Pass	AV	2.4992G	47.33	54.00	-6.67	3	Vertical	196	1.37	-
2440MHz	Pass	PK	2.346G	59.39	74.00	-14.61	3	Vertical	196	1.37	-
2440MHz	Pass	PK	2.4396G	96.27	Inf	-Inf	3	Vertical	196	1.37	-
2440MHz	Pass	PK	2.49G	58.21	74.00	-15.79	3	Vertical	196	1.37	-
2440MHz	Pass	AV	2.3416G	47.81	54.00	-6.19	3	Horizontal	352	1.24	-
2440MHz	Pass	AV	2.44G	103.77	Inf	-Inf	3	Horizontal	352	1.24	-
2440MHz	Pass	AV	2.492G	47.31	54.00	-6.69	3	Horizontal	352	1.24	-
2440MHz	Pass	PK	2.3484G	59.30	74.00	-14.70	3	Horizontal	352	1.24	-
2440MHz	Pass	PK	2.4404G	105.53	Inf	-Inf	3	Horizontal	352	1.24	-
2440MHz	Pass	PK	2.4952G	59.08	74.00	-14.92	3	Horizontal	352	1.24	-



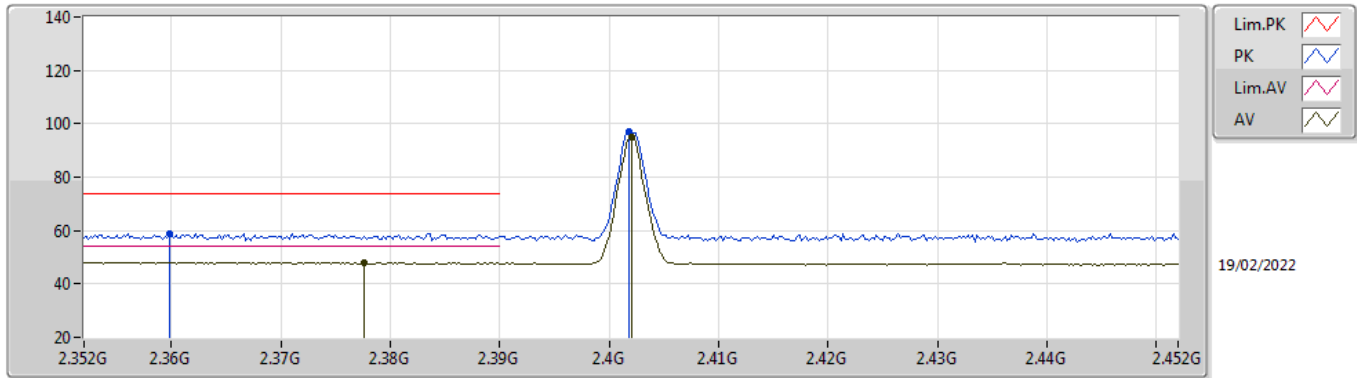
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2440MHz	Pass	AV	4.87839G	30.16	54.00	-23.84	3	Vertical	324	2.14	-
2440MHz	Pass	AV	7.32177G	36.58	54.00	-17.42	3	Vertical	360	2.04	-
2440MHz	Pass	PK	4.88042G	43.29	74.00	-30.71	3	Vertical	324	2.14	-
2440MHz	Pass	PK	7.31808G	49.26	74.00	-24.74	3	Vertical	360	2.04	-
2440MHz	Pass	AV	4.87902G	30.16	54.00	-23.84	3	Horizontal	163	2.58	-
2440MHz	Pass	AV	7.32G	36.55	54.00	-17.45	3	Horizontal	275	1.05	-
2440MHz	Pass	PK	4.87837G	42.77	74.00	-31.23	3	Horizontal	163	2.58	-
2440MHz	Pass	PK	7.32024G	49.33	74.00	-24.67	3	Horizontal	275	1.05	-
2480MHz	Pass	AV	2.48G	94.63	Inf	-Inf	3	Vertical	329	1.00	-
2480MHz	Pass	AV	2.4835G	47.80	54.00	-6.20	3	Vertical	329	1.00	-
2480MHz	Pass	PK	2.4802G	96.35	Inf	-Inf	3	Vertical	329	1.00	-
2480MHz	Pass	PK	2.4916G	58.30	74.00	-15.70	3	Vertical	329	1.00	-
2480MHz	Pass	AV	2.48G	103.07	Inf	-Inf	3	Horizontal	355	1.15	-
2480MHz	Pass	AV	2.4835G	51.17	54.00	-2.83	3	Horizontal	355	1.15	-
2480MHz	Pass	PK	2.4802G	104.83	Inf	-Inf	3	Horizontal	355	1.15	-
2480MHz	Pass	PK	2.4912G	59.01	74.00	-14.99	3	Horizontal	355	1.15	-
2480MHz	Pass	AV	4.95883G	30.15	54.00	-23.85	3	Vertical	281	1.51	-
2480MHz	Pass	AV	7.44211G	36.86	54.00	-17.14	3	Vertical	292	1.02	-
2480MHz	Pass	PK	4.95956G	43.06	74.00	-30.94	3	Vertical	281	1.51	-
2480MHz	Pass	PK	7.44061G	50.04	74.00	-23.96	3	Vertical	292	1.02	-
2480MHz	Pass	AV	4.95868G	30.15	54.00	-23.85	3	Horizontal	191	1.77	-
2480MHz	Pass	AV	7.43849G	36.98	54.00	-17.02	3	Horizontal	214	1.98	-
2480MHz	Pass	PK	4.96151G	43.35	74.00	-30.65	3	Horizontal	191	1.77	-
2480MHz	Pass	PK	7.43779G	49.71	74.00	-24.29	3	Horizontal	214	1.98	-
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3608G	47.45	54.00	-6.55	3	Vertical	316	1.21	-
2402MHz	Pass	AV	2.402G	91.31	Inf	-Inf	3	Vertical	316	1.21	-
2402MHz	Pass	PK	2.3728G	59.72	74.00	-14.28	3	Vertical	316	1.21	-
2402MHz	Pass	PK	2.4018G	92.78	Inf	-Inf	3	Vertical	316	1.21	-
2402MHz	Pass	AV	2.3546G	47.53	54.00	-6.47	3	Horizontal	341	2.08	-
2402MHz	Pass	AV	2.402G	102.65	Inf	-Inf	3	Horizontal	341	2.08	-
2402MHz	Pass	PK	2.378G	59.82	74.00	-14.18	3	Horizontal	341	2.08	-
2402MHz	Pass	PK	2.4018G	104.25	Inf	-Inf	3	Horizontal	341	2.08	-
2402MHz	Pass	AV	4.80348G	30.06	54.00	-23.94	3	Vertical	314	2.21	-
2402MHz	Pass	PK	4.8036G	42.67	74.00	-31.33	3	Vertical	314	2.21	-
2402MHz	Pass	AV	4.80586G	29.63	54.00	-24.37	3	Horizontal	180	1.95	-
2402MHz	Pass	PK	4.80473G	42.83	74.00	-31.17	3	Horizontal	180	1.95	-
2440MHz	Pass	AV	2.3416G	47.67	54.00	-6.33	3	Vertical	187	2.43	-
2440MHz	Pass	AV	2.44G	94.22	Inf	-Inf	3	Vertical	187	2.43	-
2440MHz	Pass	AV	2.4956G	47.02	54.00	-6.98	3	Vertical	187	2.43	-
2440MHz	Pass	PK	2.3456G	58.65	74.00	-15.35	3	Vertical	187	2.43	-
2440MHz	Pass	PK	2.4404G	95.92	Inf	-Inf	3	Vertical	187	2.43	-
2440MHz	Pass	PK	2.4852G	59.25	74.00	-14.75	3	Vertical	187	2.43	-
2440MHz	Pass	AV	2.3508G	47.58	54.00	-6.42	3	Horizontal	334	2.03	-
2440MHz	Pass	AV	2.44G	102.27	Inf	-Inf	3	Horizontal	334	2.03	-
2440MHz	Pass	AV	2.492G	47.07	54.00	-6.93	3	Horizontal	334	2.03	-
2440MHz	Pass	PK	2.348G	59.42	74.00	-14.58	3	Horizontal	334	2.03	-
2440MHz	Pass	PK	2.4396G	103.82	Inf	-Inf	3	Horizontal	334	2.03	-
2440MHz	Pass	PK	2.488G	58.53	74.00	-15.47	3	Horizontal	334	2.03	-
2440MHz	Pass	AV	4.87879G	30.02	54.00	-23.98	3	Vertical	126	1.50	-
2440MHz	Pass	AV	7.32136G	36.57	54.00	-17.43	3	Vertical	18	1.22	-
2440MHz	Pass	PK	4.88171G	42.98	74.00	-31.02	3	Vertical	126	1.50	-
2440MHz	Pass	PK	7.32088G	49.48	74.00	-24.52	3	Vertical	18	1.22	-
2440MHz	Pass	AV	4.87942G	30.34	54.00	-23.66	3	Horizontal	66	1.19	-
2440MHz	Pass	AV	7.31996G	36.49	54.00	-17.51	3	Horizontal	240	2.29	-
2440MHz	Pass	PK	4.88169G	43.15	74.00	-30.85	3	Horizontal	66	1.19	-
2440MHz	Pass	PK	7.32027G	49.32	74.00	-24.68	3	Horizontal	240	2.29	-
2480MHz	Pass	AV	2.48G	93.67	Inf	-Inf	3	Vertical	321	1.23	-
2480MHz	Pass	AV	2.4835G	47.77	54.00	-6.23	3	Vertical	321	1.23	-
2480MHz	Pass	PK	2.4798G	95.35	Inf	-Inf	3	Vertical	321	1.23	-
2480MHz	Pass	PK	2.4954G	58.64	74.00	-15.36	3	Vertical	321	1.23	-
2480MHz	Pass	AV	2.48G	102.35	Inf	-Inf	3	Horizontal	337	2.20	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2480MHz	Pass	AV	2.4835G	50.26	54.00	-3.74	3	Horizontal	337	2.20	-
2480MHz	Pass	PK	2.4798G	103.92	Inf	-Inf	3	Horizontal	337	2.20	-
2480MHz	Pass	PK	2.4835G	60.26	74.00	-13.74	3	Horizontal	337	2.20	-
2480MHz	Pass	AV	4.96035G	30.91	54.00	-23.09	3	Vertical	0	1.10	-
2480MHz	Pass	AV	7.4381G	36.97	54.00	-17.03	3	Vertical	231	1.50	-
2480MHz	Pass	PK	4.96142G	43.49	74.00	-30.51	3	Vertical	0	1.10	-
2480MHz	Pass	PK	7.43972G	50.41	74.00	-23.59	3	Vertical	231	1.50	-
2480MHz	Pass	AV	4.95957G	30.41	54.00	-23.59	3	Horizontal	21	1.50	-
2480MHz	Pass	AV	7.43942G	37.00	54.00	-17.00	3	Horizontal	328	3.00	-
2480MHz	Pass	PK	4.95918G	43.70	74.00	-30.30	3	Horizontal	21	1.50	-
2480MHz	Pass	PK	7.43793G	50.10	74.00	-23.90	3	Horizontal	328	3.00	-

BT-LE(1Mbps)

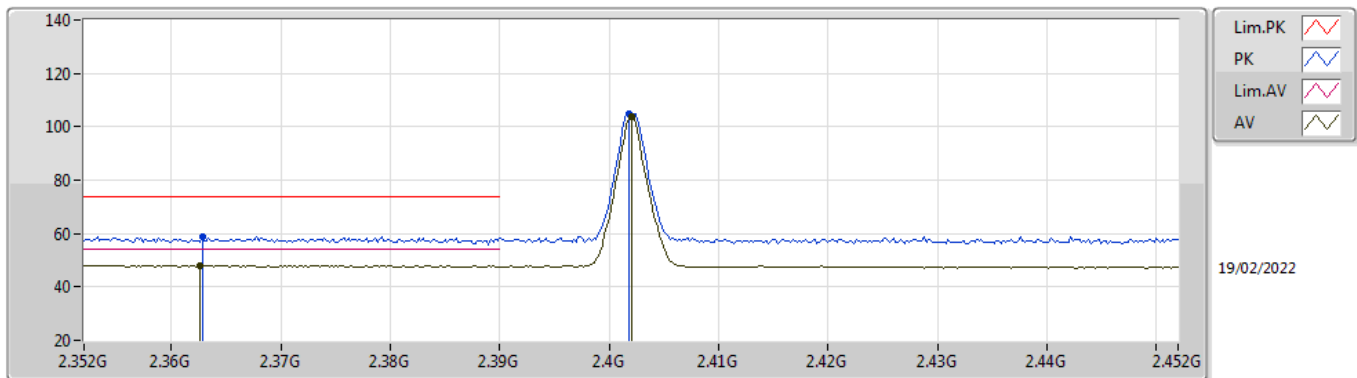
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3776G	48.09	54.00	-5.91	34.99	3	Vertical	201	1.05	-	13.10	27.74	7.25	-
AV	2.402G	95.21	Inf	-Inf	34.95	3	Vertical	201	1.05	-	60.26	27.69	7.26	-
PK	2.3598G	58.93	74.00	-15.07	35.02	3	Vertical	201	1.05	-	23.91	27.78	7.24	-
PK	2.4018G	96.82	Inf	-Inf	34.95	3	Vertical	201	1.05	-	61.87	27.69	7.26	-

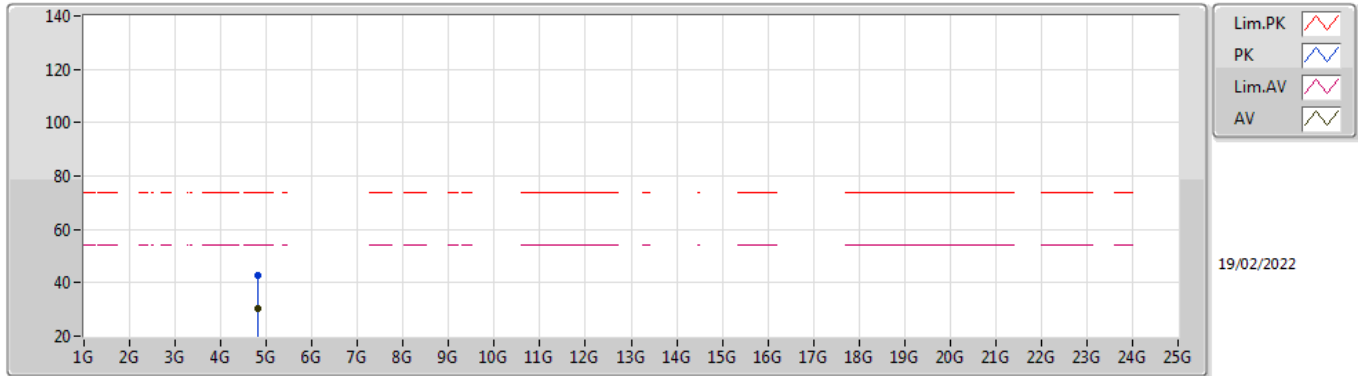
BT-LE(1Mbps)

2402MHz_TX



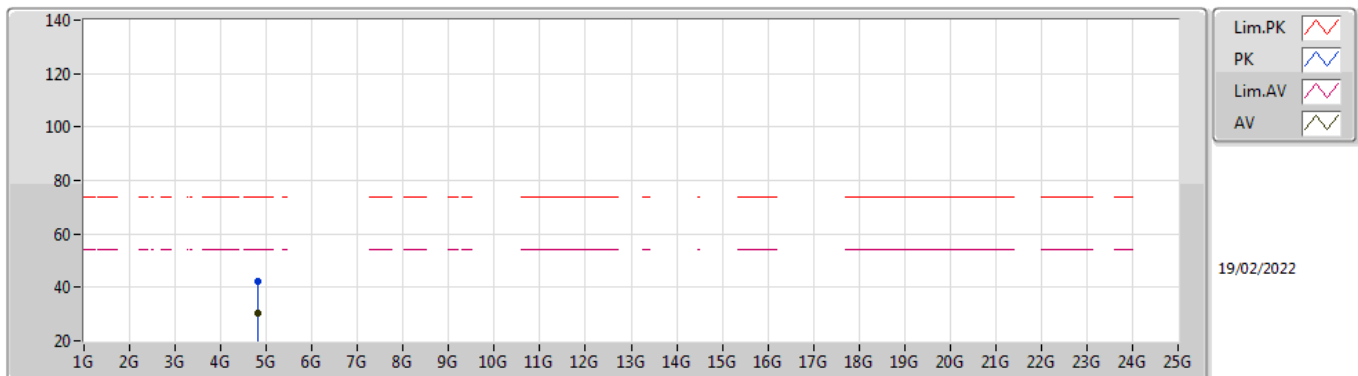
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3626G	48.05	54.00	-5.95	35.01	3	Horizontal	360	2.83	-	13.04	27.77	7.24	-
AV	2.402G	103.66	Inf	-Inf	34.95	3	Horizontal	360	2.83	-	68.71	27.69	7.26	-
PK	2.3628G	58.95	74.00	-15.05	35.01	3	Horizontal	360	2.83	-	23.94	27.77	7.24	-
PK	2.4018G	105.05	Inf	-Inf	34.95	3	Horizontal	360	2.83	-	70.10	27.69	7.26	-

BT-LE(1Mbps)
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80194G	30.57	54.00	-23.43	5.80	3	Vertical	234	2.11	-	24.77	31.10	8.90	34.20
PK	4.80627G	42.54	74.00	-31.46	5.82	3	Vertical	234	2.11	-	36.72	31.11	8.90	34.19

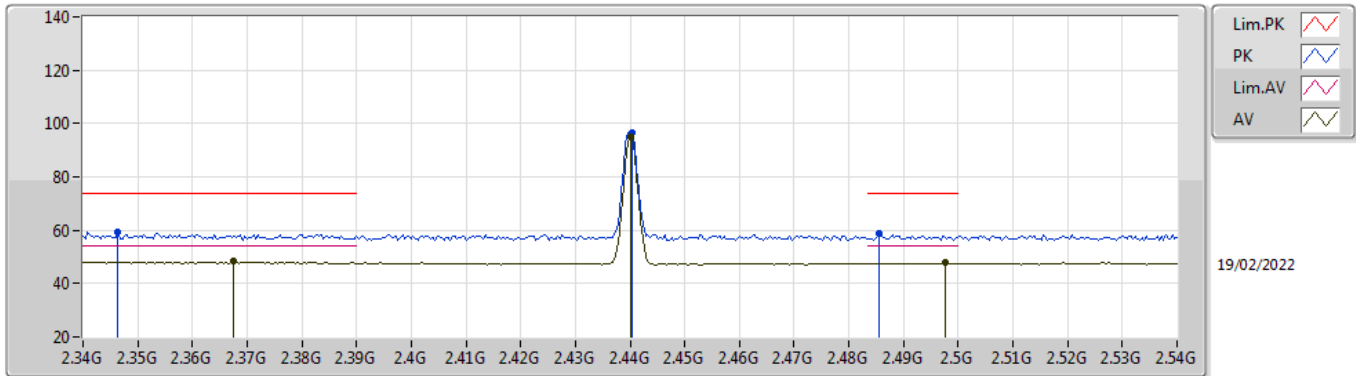
BT-LE(1Mbps)
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8016G	30.35	54.00	-23.65	5.80	3	Horizontal	35	1.36	-	24.55	31.10	8.90	34.20
PK	4.80333G	42.14	74.00	-31.86	5.82	3	Horizontal	35	1.36	-	36.32	31.11	8.90	34.19

BT-LE(1Mbps)

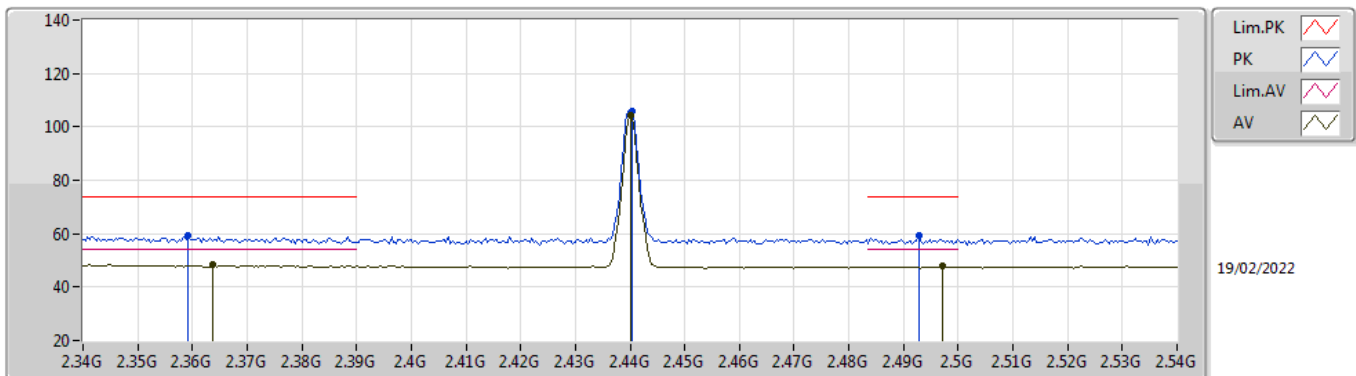
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3676G	48.26	54.00	-5.74	35.01	3	Vertical	196	1.37	-	13.25	27.76	7.25	-
AV	2.44G	94.94	Inf	-Inf	34.75	3	Vertical	196	1.37	-	60.19	27.46	7.29	-
AV	2.4976G	47.74	54.00	-6.26	34.74	3	Vertical	196	1.37	-	13.00	27.40	7.34	-
PK	2.3464G	59.55	74.00	-14.45	35.05	3	Vertical	196	1.37	-	24.50	27.81	7.24	-
PK	2.4404G	96.31	Inf	-Inf	34.75	3	Vertical	196	1.37	-	61.56	27.46	7.29	-
PK	2.4856G	59.00	74.00	-15.00	34.73	3	Vertical	196	1.37	-	24.27	27.40	7.33	-

BT-LE(1Mbps)

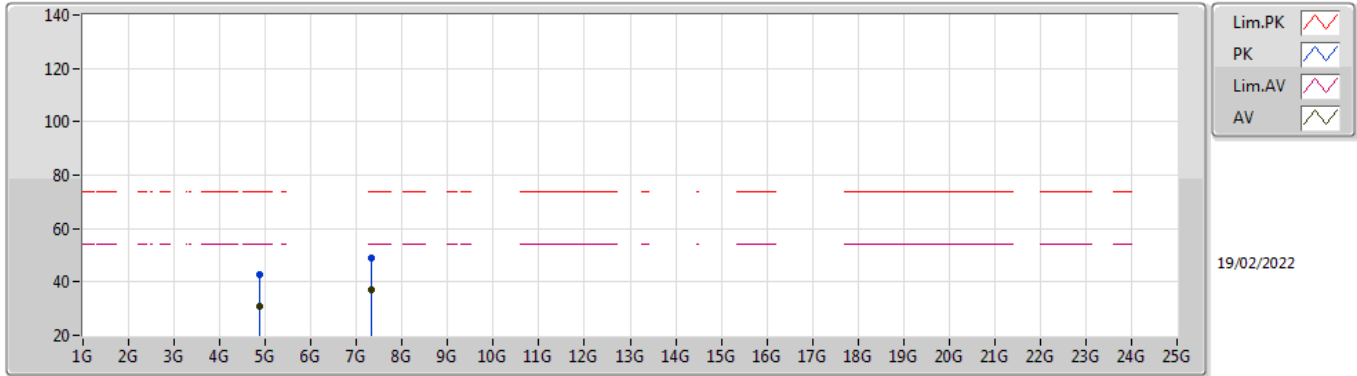
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3636G	48.29	54.00	-5.71	35.01	3	Horizontal	351	1.01	-	13.28	27.77	7.24	-
AV	2.44G	104.32	Inf	-Inf	34.75	3	Horizontal	351	1.01	-	69.57	27.46	7.29	-
AV	2.4972G	47.71	54.00	-6.29	34.74	3	Horizontal	351	1.01	-	12.97	27.40	7.34	-
PK	2.3592G	59.10	74.00	-14.90	35.02	3	Horizontal	351	1.01	-	24.08	27.78	7.24	-
PK	2.4404G	105.81	Inf	-Inf	34.75	3	Horizontal	351	1.01	-	71.06	27.46	7.29	-
PK	2.4928G	59.07	74.00	-14.93	34.73	3	Horizontal	351	1.01	-	24.34	27.40	7.33	-

BT-LE(1Mbps)

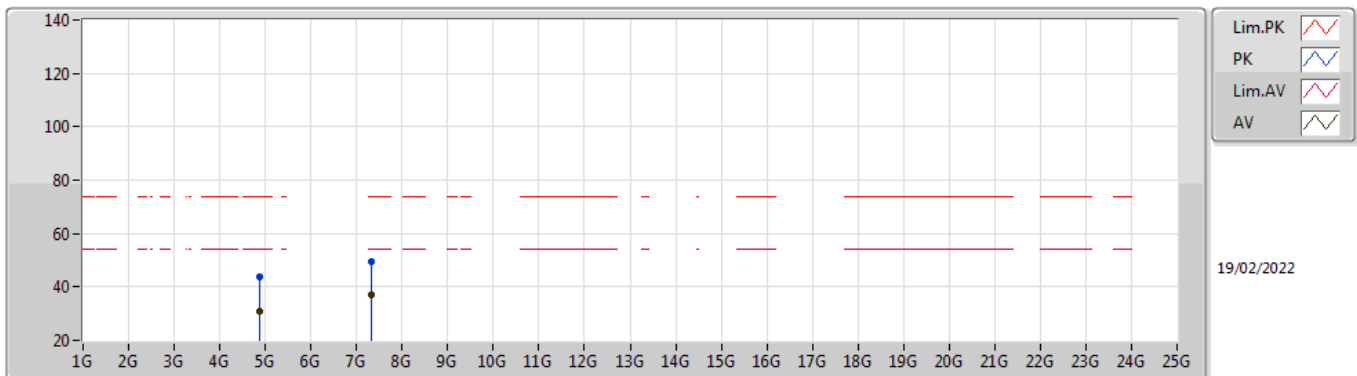
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87937G	30.84	54.00	-23.16	6.00	3	Vertical	38	1.99	-	24.84	31.20	8.96	34.16
AV	7.32033G	37.01	54.00	-16.99	12.49	3	Vertical	252	2.03	-	24.52	36.36	10.63	34.50
PK	4.88099G	42.91	74.00	-31.09	6.00	3	Vertical	38	1.99	-	36.91	31.20	8.96	34.16
PK	7.31942G	48.92	74.00	-25.08	12.49	3	Vertical	252	2.03	-	36.43	36.36	10.63	34.50

BT-LE(1Mbps)

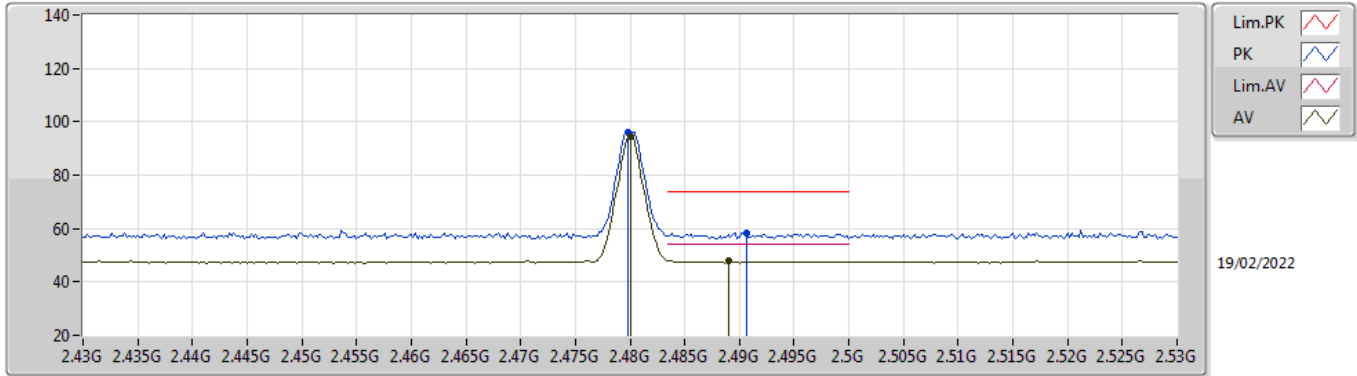
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88157G	30.65	54.00	-23.35	6.00	3	Horizontal	88	1.50	-	24.65	31.20	8.96	34.16
AV	7.32115G	37.14	54.00	-16.86	12.49	3	Horizontal	139	3.00	-	24.65	36.36	10.63	34.50
PK	4.88021G	43.90	74.00	-30.10	6.00	3	Horizontal	88	1.50	-	37.90	31.20	8.96	34.16
PK	7.31805G	49.57	74.00	-24.43	12.49	3	Horizontal	139	3.00	-	37.08	36.36	10.63	34.50

BT-LE(1Mbps)

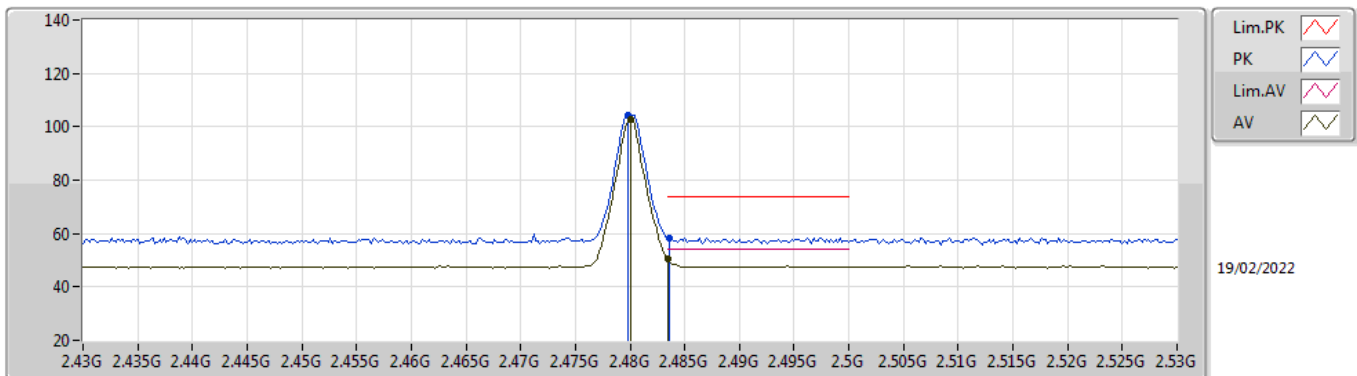
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	94.72	Inf	-Inf	34.72	3	Vertical	326	1.00	-	60.00	27.40	7.32	-
AV	2.489G	47.83	54.00	-6.17	34.73	3	Vertical	326	1.00	-	13.10	27.40	7.33	-
PK	2.4798G	96.14	Inf	-Inf	34.72	3	Vertical	326	1.00	-	61.42	27.40	7.32	-
PK	2.4906G	58.30	74.00	-15.70	34.73	3	Vertical	326	1.00	-	23.57	27.40	7.33	-

BT-LE(1Mbps)

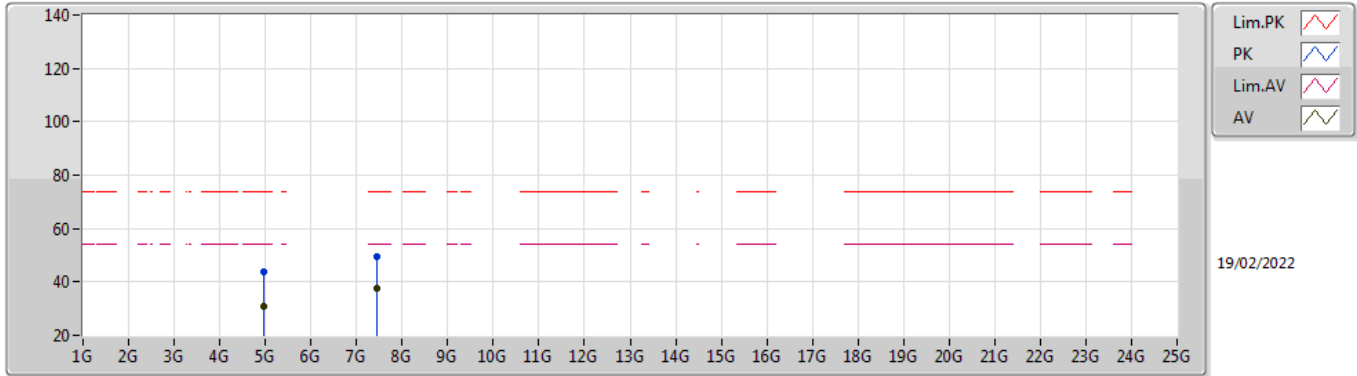
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	102.87	Inf	-Inf	34.72	3	Horizontal	360	1.35	-	68.15	27.40	7.32	-
AV	2.4835G	50.52	54.00	-3.48	34.73	3	Horizontal	360	1.35	-	15.79	27.40	7.33	-
PK	2.4798G	104.21	Inf	-Inf	34.72	3	Horizontal	360	1.35	-	69.49	27.40	7.32	-
PK	2.4836G	58.51	74.00	-15.49	34.73	3	Horizontal	360	1.35	-	23.78	27.40	7.33	-

BT-LE(1Mbps)

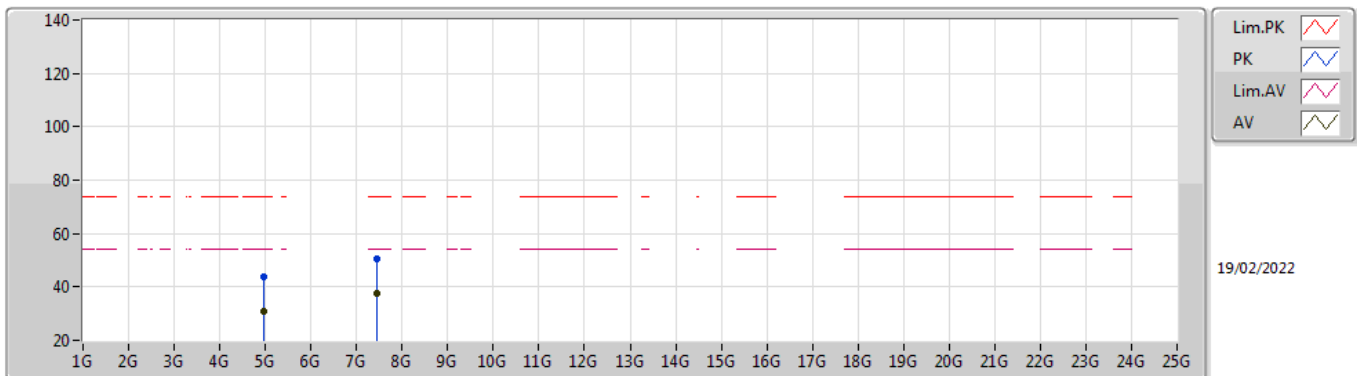
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95962G	31.02	54.00	-22.98	6.32	3	Vertical	360	1.07	-	24.70	31.42	9.02	34.12
AV	7.43842G	37.58	54.00	-16.42	12.51	3	Vertical	360	1.22	-	25.07	36.28	10.72	34.49
PK	4.95939G	43.89	74.00	-30.11	6.32	3	Vertical	360	1.07	-	37.57	31.42	9.02	34.12
PK	7.43929G	49.72	74.00	-24.28	12.51	3	Vertical	360	1.22	-	37.21	36.28	10.72	34.49

BT-LE(1Mbps)

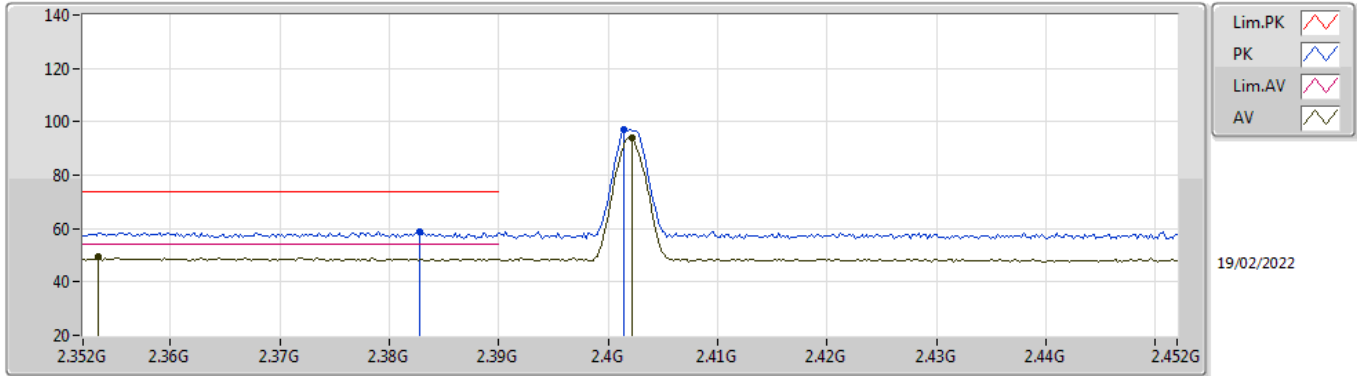
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95773G	30.64	54.00	-23.36	6.32	3	Horizontal	224	1.50	-	24.32	31.42	9.02	34.12
AV	7.43855G	37.64	54.00	-16.36	12.51	3	Horizontal	230	1.55	-	25.13	36.28	10.72	34.49
PK	4.96243G	43.94	74.00	-30.06	6.32	3	Horizontal	224	1.50	-	37.62	31.42	9.02	34.12
PK	7.43832G	50.39	74.00	-23.61	12.51	3	Horizontal	230	1.55	-	37.88	36.28	10.72	34.49

BT-LE(2Mbps)

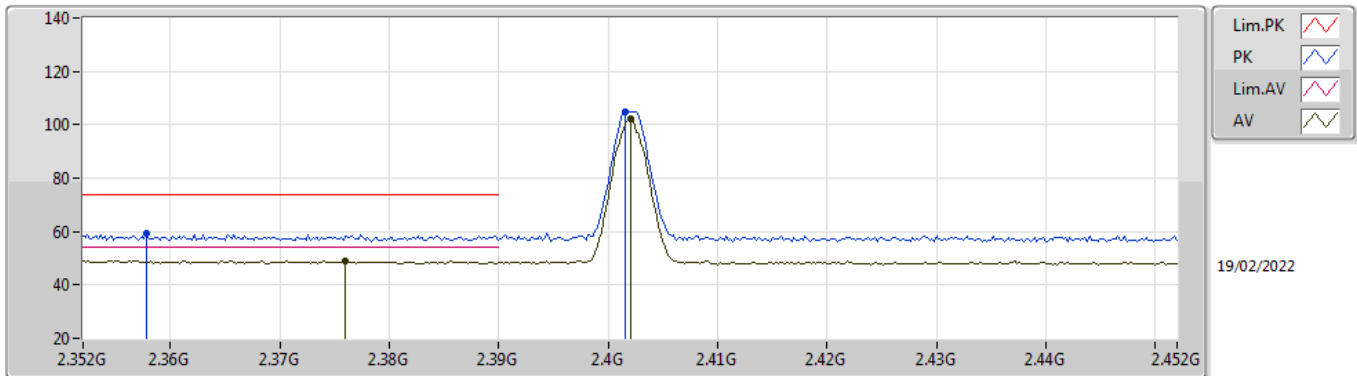
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3534G	49.26	54.00	-4.74	35.03	3	Vertical	198	1.05	-	14.23	27.79	7.24	-
AV	2.4022G	94.03	Inf	-Inf	34.95	3	Vertical	198	1.05	-	59.08	27.69	7.26	-
PK	2.3828G	58.81	74.00	-15.19	34.98	3	Vertical	198	1.05	-	23.83	27.73	7.25	-
PK	2.4014G	96.96	Inf	-Inf	34.95	3	Vertical	198	1.05	-	62.01	27.69	7.26	-

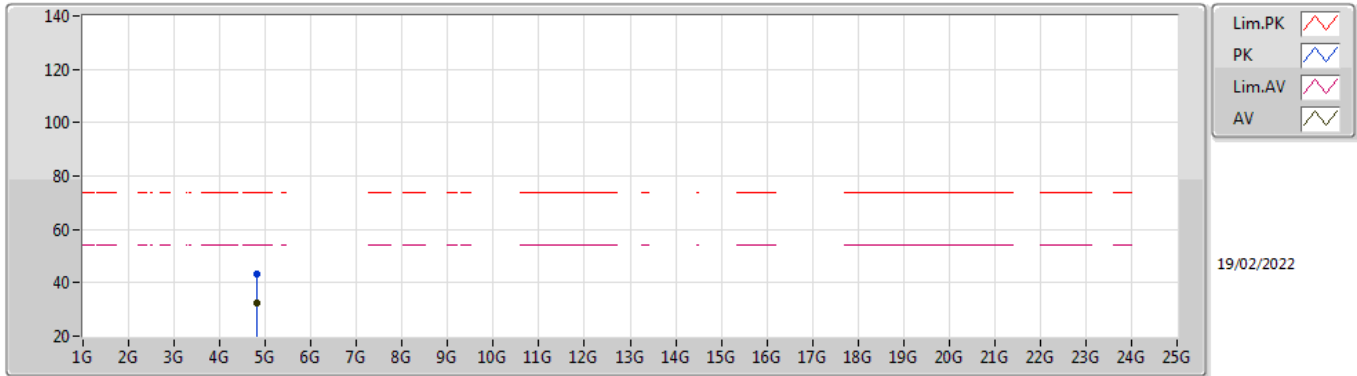
BT-LE(2Mbps)

2402MHz_TX



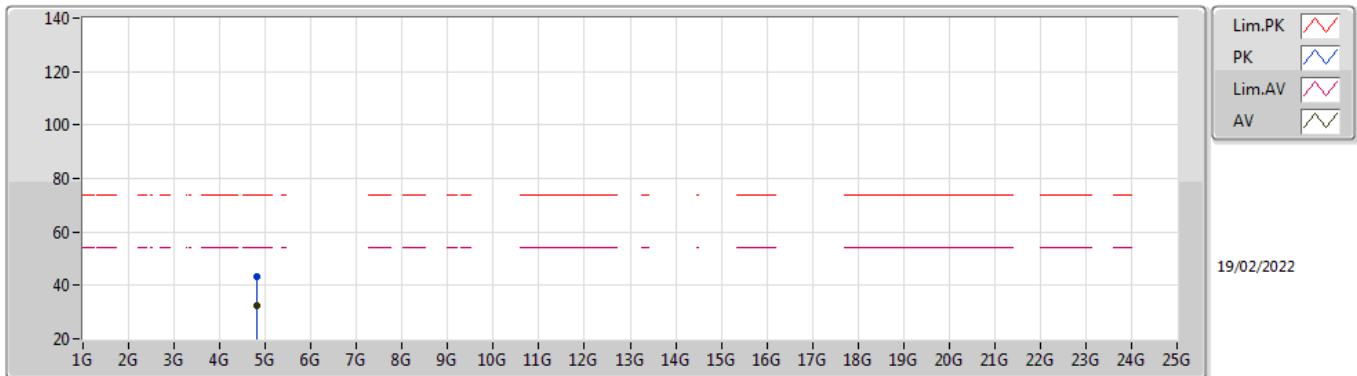
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.376G	49.08	54.00	-4.92	35.00	3	Horizontal	357	2.83	-	14.08	27.75	7.25	-
AV	2.402G	102.01	Inf	-Inf	34.95	3	Horizontal	357	2.83	-	67.06	27.69	7.26	-
PK	2.3578G	59.10	74.00	-14.90	35.02	3	Horizontal	357	2.83	-	24.08	27.78	7.24	-
PK	2.4016G	105.00	Inf	-Inf	34.95	3	Horizontal	357	2.83	-	70.05	27.69	7.26	-

BT-LE(2Mbps)
2402MHz_TX



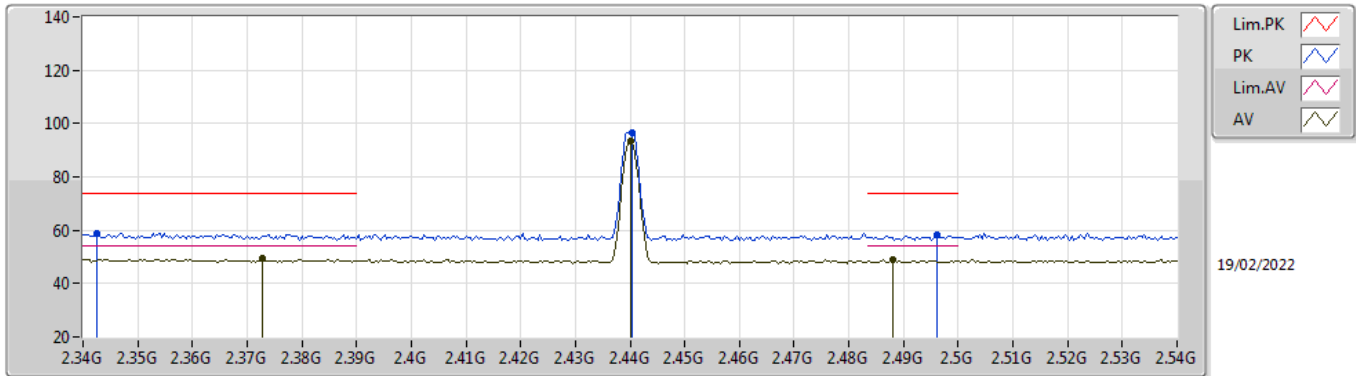
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AV	4.80183G	32.43	54.00	-21.57	5.80	3	Vertical	80	1.36	-	26.63	31.10	8.90	34.20
PK	4.80262G	43.06	74.00	-30.94	5.82	3	Vertical	80	1.36	-	37.24	31.11	8.90	34.19

BT-LE(2Mbps)
2402MHz_TX



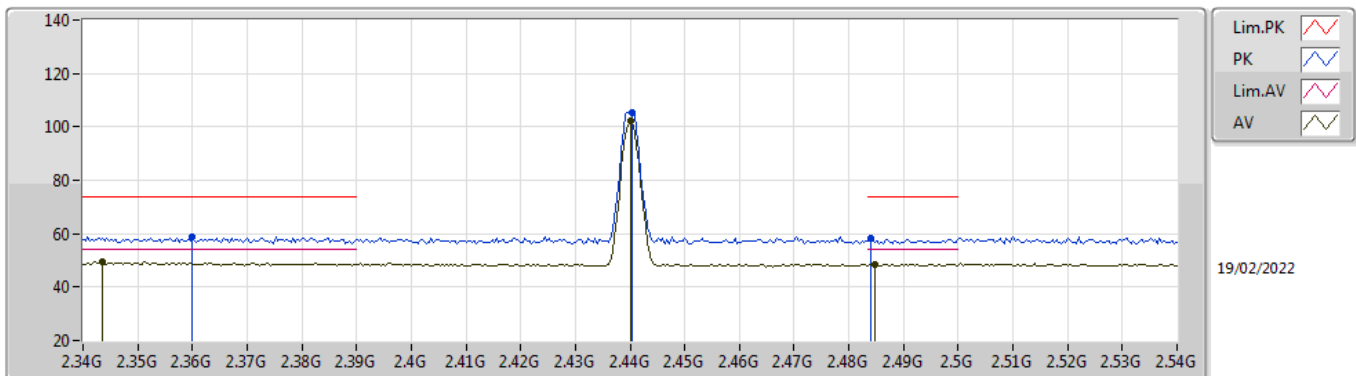
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80445G	32.53	54.00	-21.47	5.82	3	Horizontal	150	2.21	-	26.71	31.11	8.90	34.19
PK	4.80355G	43.10	74.00	-30.90	5.82	3	Horizontal	150	2.21	-	37.28	31.11	8.90	34.19

BT-LE(2Mbps)
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3728G	49.41	54.00	-4.59	35.00	3	Vertical	195	1.39	-	14.41	27.75	7.25	-
AV	2.44G	93.49	Inf	-Inf	34.75	3	Vertical	195	1.39	-	58.74	27.46	7.29	-
AV	2.488G	48.90	54.00	-5.10	34.73	3	Vertical	195	1.39	-	14.17	27.40	7.33	-
PK	2.3424G	58.87	74.00	-15.13	35.05	3	Vertical	195	1.39	-	23.82	27.82	7.23	-
PK	2.4404G	96.39	Inf	-Inf	34.75	3	Vertical	195	1.39	-	61.64	27.46	7.29	-
PK	2.496G	58.19	74.00	-15.81	34.74	3	Vertical	195	1.39	-	23.45	27.40	7.34	-

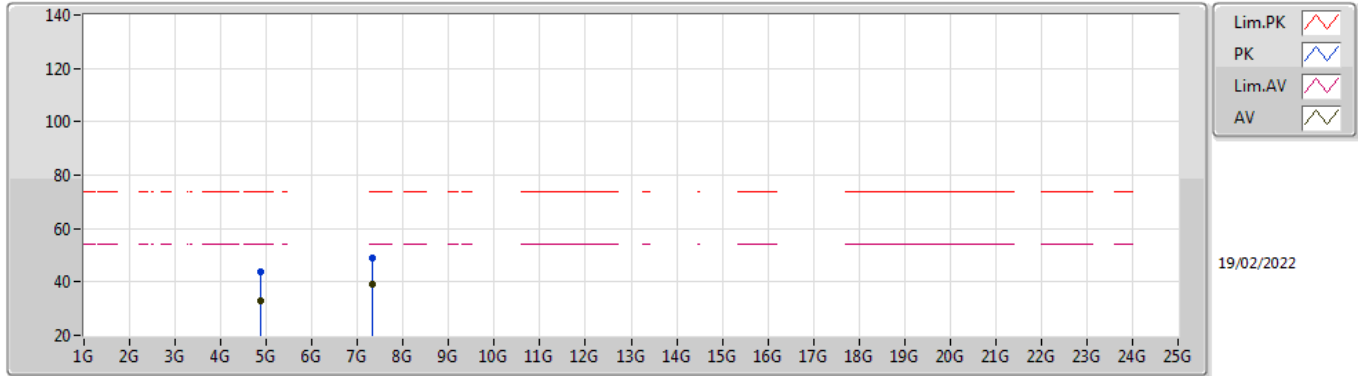
BT-LE(2Mbps)
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3436G	49.40	54.00	-4.60	35.04	3	Horizontal	353	1.23	-	14.36	27.81	7.23	-
AV	2.44G	102.45	Inf	-Inf	34.75	3	Horizontal	353	1.23	-	67.70	27.46	7.29	-
AV	2.4848G	48.61	54.00	-5.39	34.73	3	Horizontal	353	1.23	-	13.88	27.40	7.33	-
PK	2.36G	58.84	74.00	-15.16	35.02	3	Horizontal	353	1.23	-	23.82	27.78	7.24	-
PK	2.4404G	105.51	Inf	-Inf	34.75	3	Horizontal	353	1.23	-	70.76	27.46	7.29	-
PK	2.484G	58.16	74.00	-15.84	34.73	3	Horizontal	353	1.23	-	23.43	27.40	7.33	-

BT-LE(2Mbps)

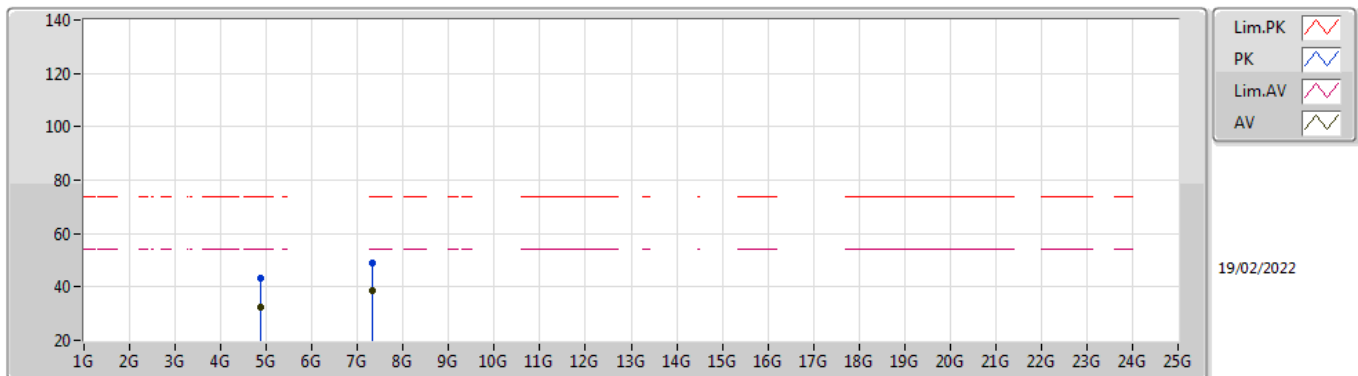
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87896G	32.98	54.00	-21.02	6.00	3	Vertical	248	1.64	-	26.98	31.20	8.96	34.16
AV	7.32197G	39.09	54.00	-14.91	12.49	3	Vertical	192	2.46	-	26.60	36.36	10.63	34.50
PK	4.8807G	43.96	74.00	-30.04	6.00	3	Vertical	248	1.64	-	37.96	31.20	8.96	34.16
PK	7.32168G	49.22	74.00	-24.78	12.49	3	Vertical	192	2.46	-	36.73	36.36	10.63	34.50

BT-LE(2Mbps)

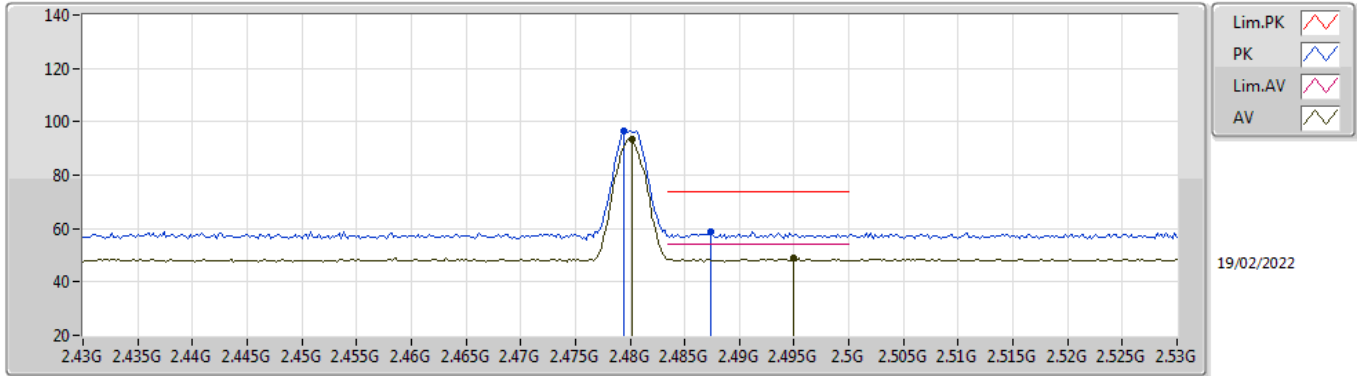
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87776G	32.57	54.00	-21.43	6.00	3	Horizontal	176	2.11	-	26.57	31.20	8.96	34.16
AV	7.31946G	38.87	54.00	-15.13	12.49	3	Horizontal	54	1.64	-	26.38	36.36	10.63	34.50
PK	4.88033G	43.16	74.00	-30.84	6.00	3	Horizontal	176	2.11	-	37.16	31.20	8.96	34.16
PK	7.31852G	48.98	74.00	-25.02	12.49	3	Horizontal	54	1.64	-	36.49	36.36	10.63	34.50

BT-LE(2Mbps)

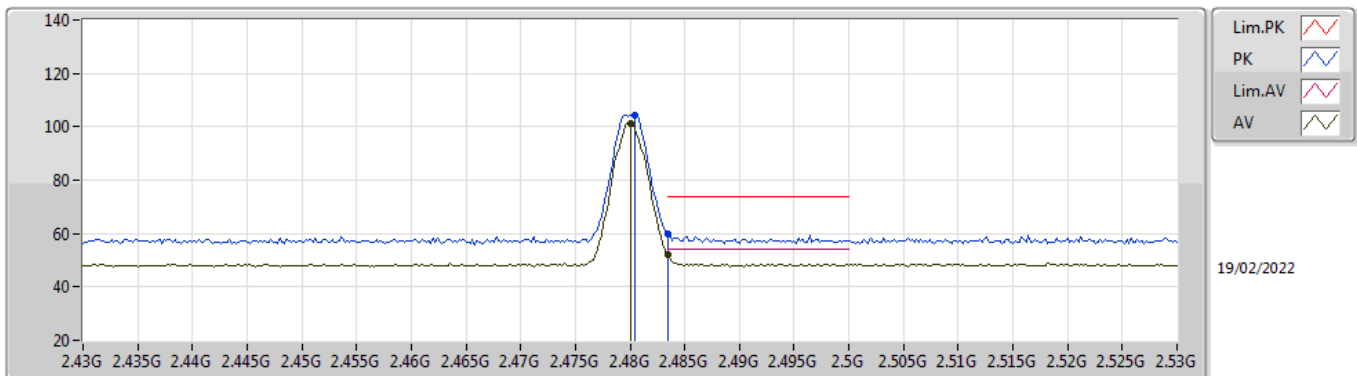
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4802G	93.44	Inf	-Inf	34.72	3	Vertical	325	1.00	-	58.72	27.40	7.32	-
AV	2.495G	48.83	54.00	-5.17	34.74	3	Vertical	325	1.00	-	14.09	27.40	7.34	-
PK	2.4794G	96.40	Inf	-Inf	34.72	3	Vertical	325	1.00	-	61.68	27.40	7.32	-
PK	2.4874G	58.95	74.00	-15.05	34.73	3	Vertical	325	1.00	-	24.22	27.40	7.33	-

BT-LE(2Mbps)

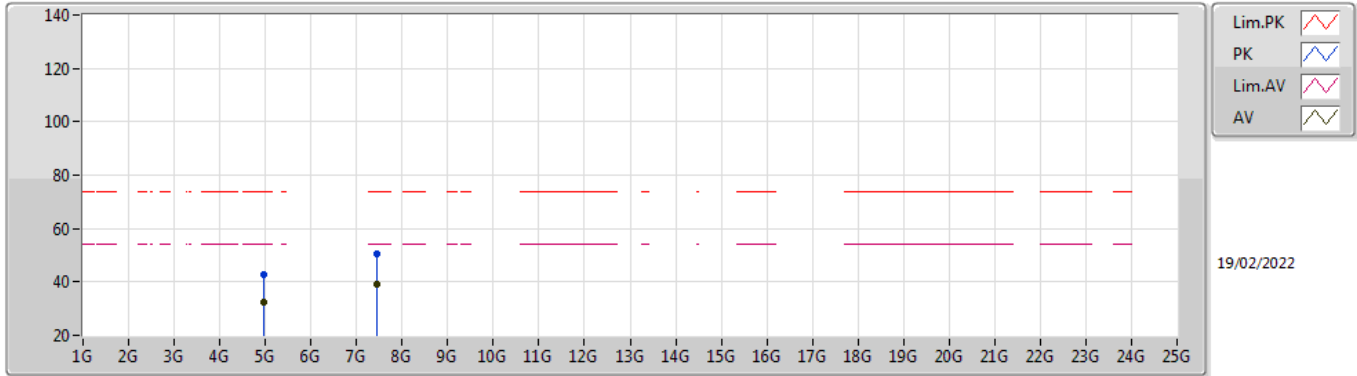
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	101.38	Inf	-Inf	34.72	3	Horizontal	352	1.39	-	66.66	27.40	7.32	-
AV	2.4835G	52.00	54.00	-2.00	34.73	3	Horizontal	352	1.39	-	17.27	27.40	7.33	-
PK	2.4804G	104.31	Inf	-Inf	34.72	3	Horizontal	352	1.39	-	69.59	27.40	7.32	-
PK	2.4835G	60.08	74.00	-13.92	34.73	3	Horizontal	352	1.39	-	25.35	27.40	7.33	-

BT-LE(2Mbps)

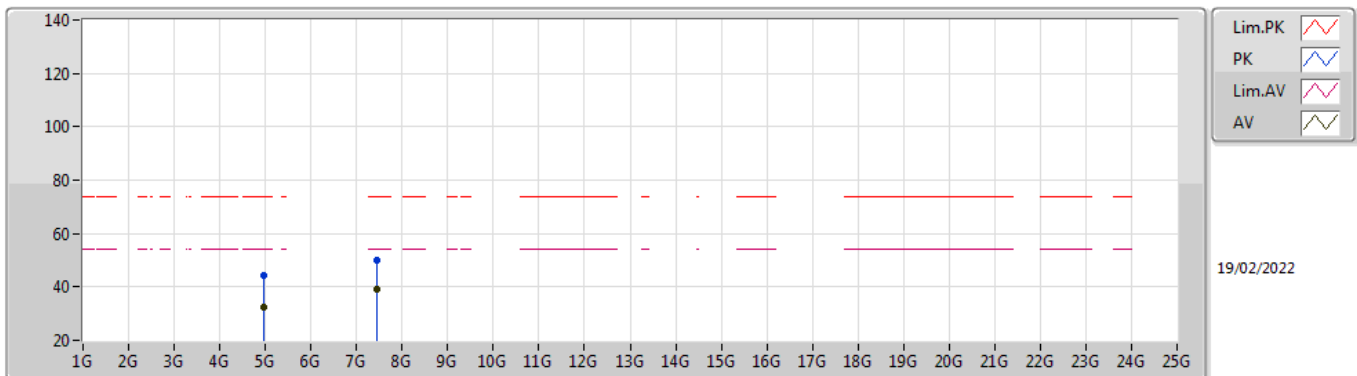
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95936G	32.47	54.00	-21.53	6.32	3	Vertical	207	1.94	-	26.15	31.42	9.02	34.12
AV	7.43916G	38.96	54.00	-15.04	12.51	3	Vertical	71	1.07	-	26.45	36.28	10.72	34.49
PK	4.9603G	42.72	74.00	-31.28	6.32	3	Vertical	207	1.94	-	36.40	31.42	9.02	34.12
PK	7.44011G	50.47	74.00	-23.53	12.51	3	Vertical	71	1.07	-	37.96	36.28	10.72	34.49

BT-LE(2Mbps)

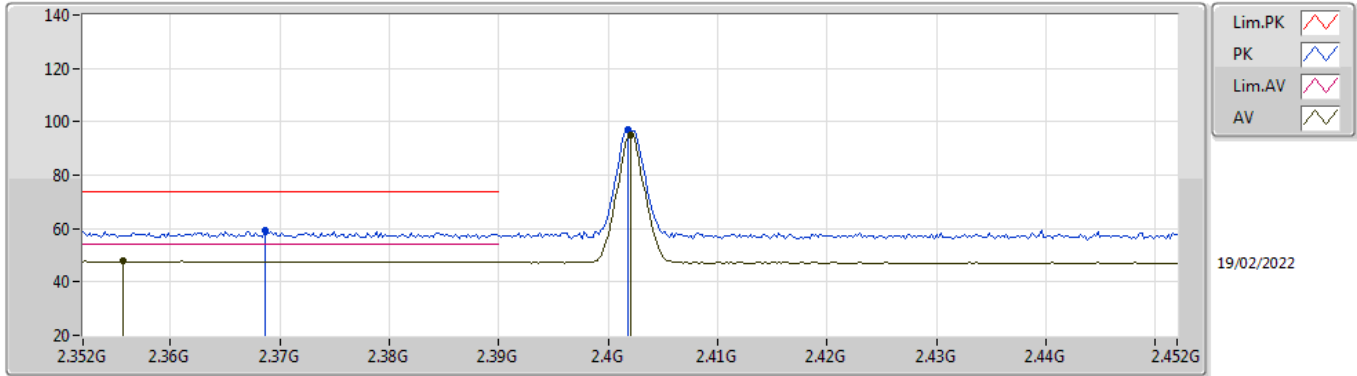
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95946G	32.57	54.00	-21.43	6.32	3	Horizontal	217	2.55	-	26.25	31.42	9.02	34.12
AV	7.44166G	39.06	54.00	-14.94	12.51	3	Horizontal	12	2.53	-	26.55	36.28	10.72	34.49
PK	4.96062G	44.41	74.00	-29.59	6.32	3	Horizontal	217	2.55	-	38.09	31.42	9.02	34.12
PK	7.43986G	50.10	74.00	-23.90	12.51	3	Horizontal	12	2.53	-	37.59	36.28	10.72	34.49

BT-LE(125kbps)

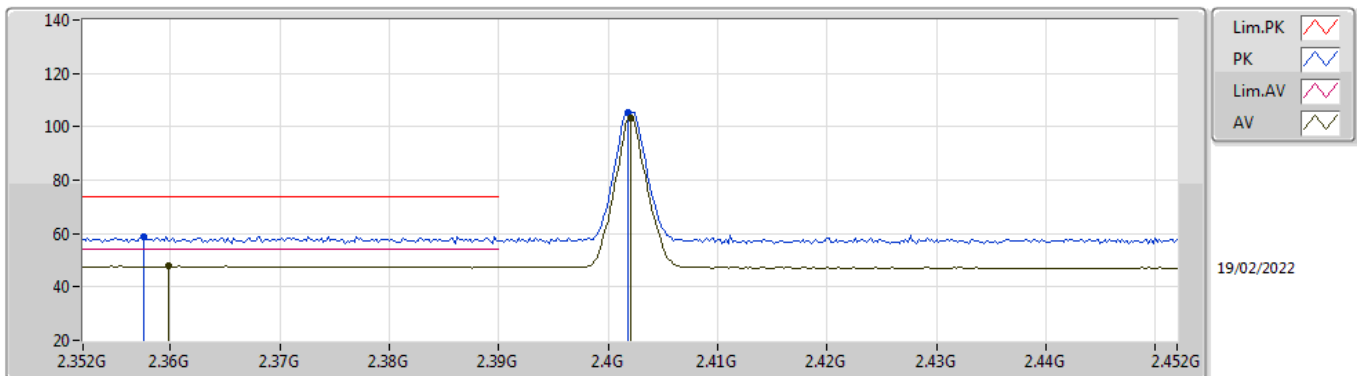
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3556G	47.77	54.00	-6.23	35.03	3	Vertical	200	1.06	-	12.74	27.79	7.24	-
AV	2.402G	95.17	Inf	-Inf	34.95	3	Vertical	200	1.06	-	60.22	27.69	7.26	-
PK	2.3686G	59.23	74.00	-14.77	35.01	3	Vertical	200	1.06	-	24.22	27.76	7.25	-
PK	2.4018G	96.89	Inf	-Inf	34.95	3	Vertical	200	1.06	-	61.94	27.69	7.26	-

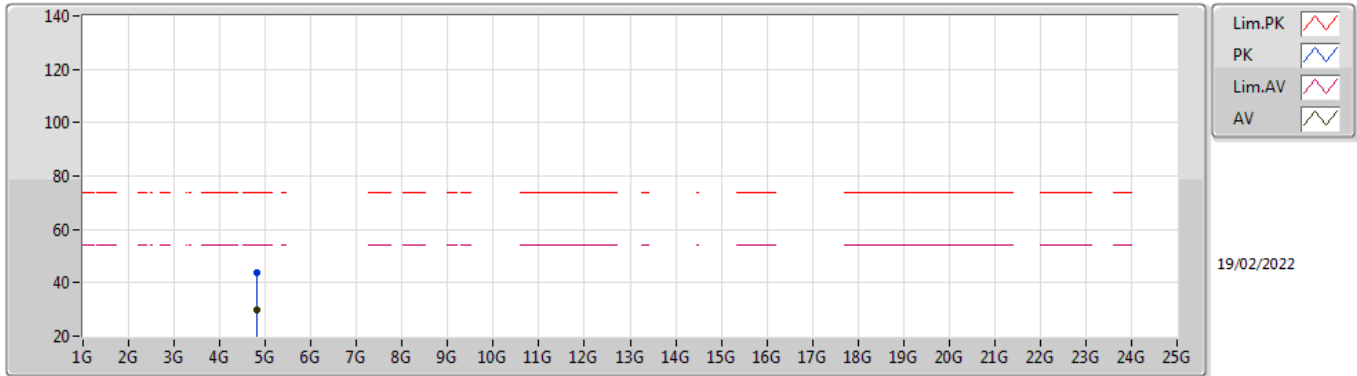
BT-LE(125kbps)

2402MHz_TX



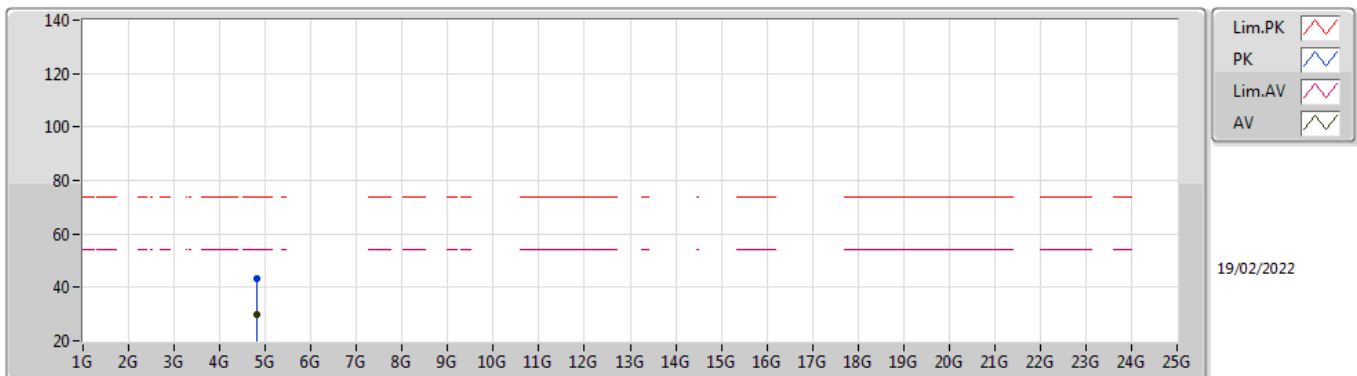
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3598G	47.72	54.00	-6.28	35.02	3	Horizontal	356	2.06	-	12.70	27.78	7.24	-
AV	2.402G	103.47	Inf	-Inf	34.95	3	Horizontal	356	2.06	-	68.52	27.69	7.26	-
PK	2.3576G	59.05	74.00	-14.95	35.02	3	Horizontal	356	2.06	-	24.03	27.78	7.24	-
PK	2.4018G	105.27	Inf	-Inf	34.95	3	Horizontal	356	2.06	-	70.32	27.69	7.26	-

BT-LE(125kbps)
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80326G	29.86	54.00	-24.14	5.82	3	Vertical	307	1.51	-	24.04	31.11	8.90	34.19
PK	4.80343G	43.57	74.00	-30.43	5.82	3	Vertical	307	1.51	-	37.75	31.11	8.90	34.19

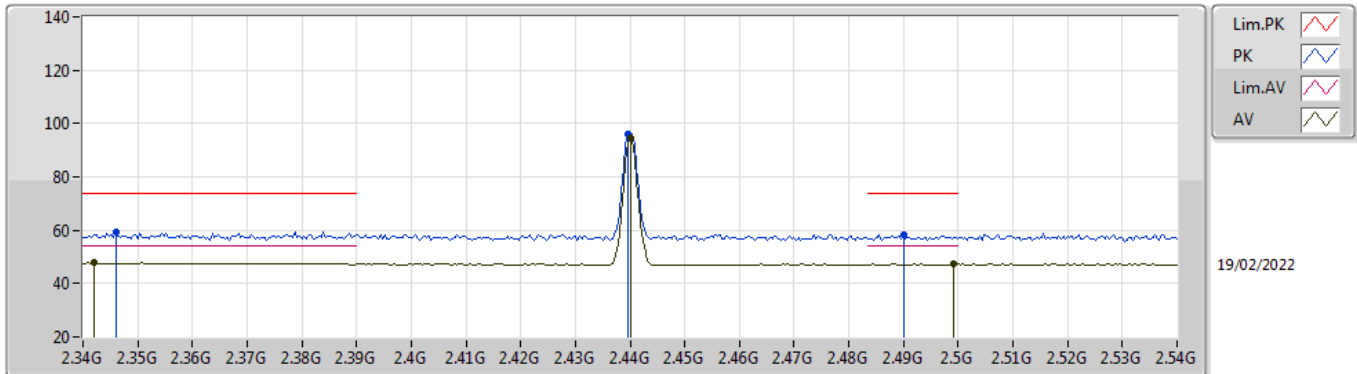
BT-LE(125kbps)
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80264G	29.75	54.00	-24.25	5.82	3	Horizontal	84	1.80	-	23.93	31.11	8.90	34.19
PK	4.80283G	43.02	74.00	-30.98	5.82	3	Horizontal	84	1.80	-	37.20	31.11	8.90	34.19

BT-LE(125kbps)

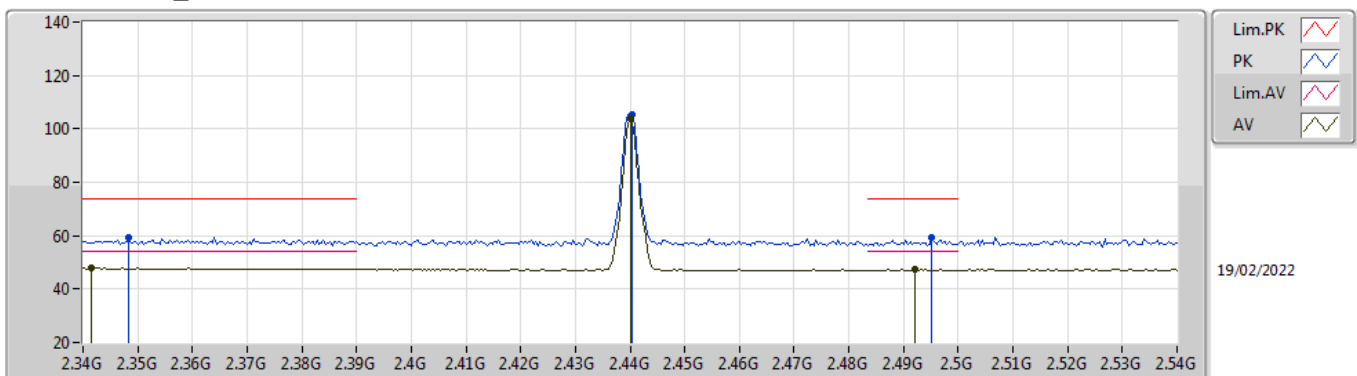
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.342G	47.80	54.00	-6.20	35.05	3	Vertical	196	1.37	-	12.75	27.82	7.23	-
AV	2.44G	94.57	Inf	-Inf	34.75	3	Vertical	196	1.37	-	59.82	27.46	7.29	-
AV	2.4992G	47.33	54.00	-6.67	34.74	3	Vertical	196	1.37	-	12.59	27.40	7.34	-
PK	2.346G	59.39	74.00	-14.61	35.05	3	Vertical	196	1.37	-	24.34	27.81	7.24	-
PK	2.4396G	96.27	Inf	-Inf	34.75	3	Vertical	196	1.37	-	61.52	27.46	7.29	-
PK	2.49G	58.21	74.00	-15.79	34.73	3	Vertical	196	1.37	-	23.48	27.40	7.33	-

BT-LE(125kbps)

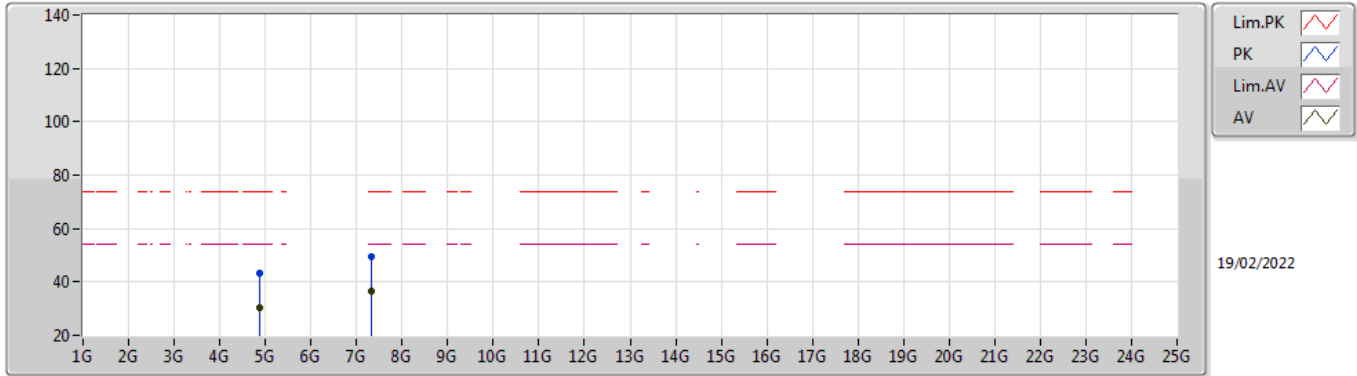
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3416G	47.81	54.00	-6.19	35.05	3	Horizontal	352	1.24	-	12.76	27.82	7.23	-
AV	2.44G	103.77	Inf	-Inf	34.75	3	Horizontal	352	1.24	-	69.02	27.46	7.29	-
AV	2.492G	47.31	54.00	-6.69	34.73	3	Horizontal	352	1.24	-	12.58	27.40	7.33	-
PK	2.3484G	59.30	74.00	-14.70	35.04	3	Horizontal	352	1.24	-	24.26	27.80	7.24	-
PK	2.4404G	105.53	Inf	-Inf	34.75	3	Horizontal	352	1.24	-	70.78	27.46	7.29	-
PK	2.4952G	59.08	74.00	-14.92	34.74	3	Horizontal	352	1.24	-	24.34	27.40	7.34	-

BT-LE(125kbps)

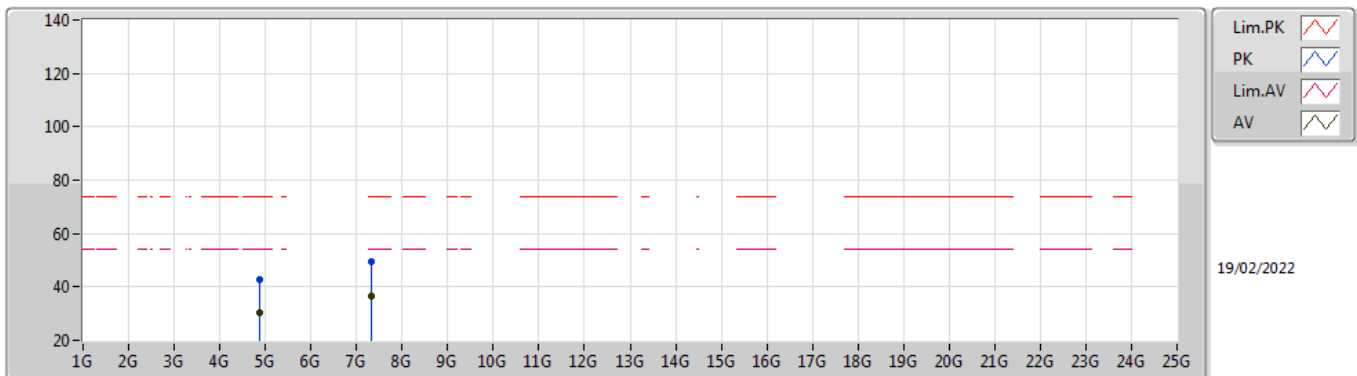
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87839G	30.16	54.00	-23.84	6.00	3	Vertical	324	2.14	-	24.16	31.20	8.96	34.16
AV	7.32177G	36.58	54.00	-17.42	12.49	3	Vertical	360	2.04	-	24.09	36.36	10.63	34.50
PK	4.88042G	43.29	74.00	-30.71	6.00	3	Vertical	324	2.14	-	37.29	31.20	8.96	34.16
PK	7.31808G	49.26	74.00	-24.74	12.49	3	Vertical	360	2.04	-	36.77	36.36	10.63	34.50

BT-LE(125kbps)

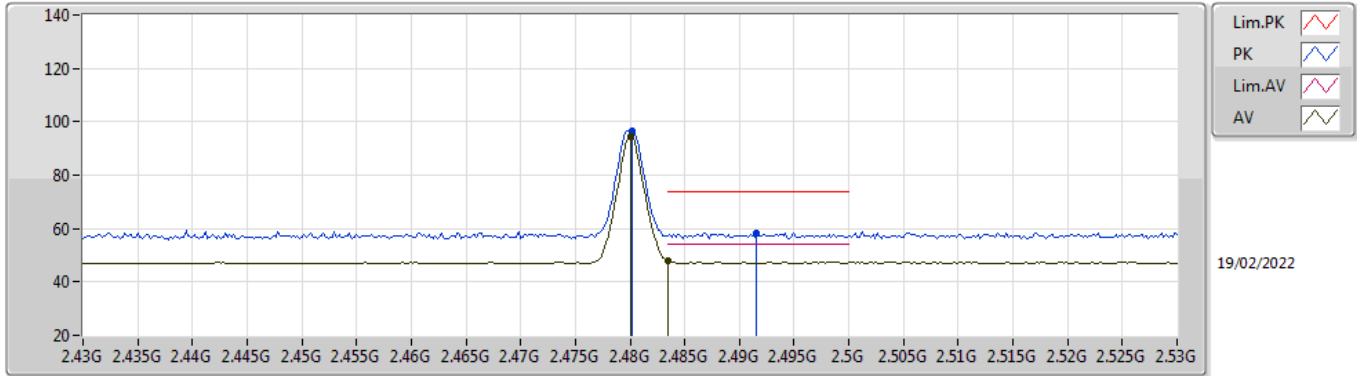
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87902G	30.16	54.00	-23.84	6.00	3	Horizontal	163	2.58	-	24.16	31.20	8.96	34.16
AV	7.32G	36.55	54.00	-17.45	12.49	3	Horizontal	275	1.05	-	24.06	36.36	10.63	34.50
PK	4.87837G	42.77	74.00	-31.23	6.00	3	Horizontal	163	2.58	-	36.77	31.20	8.96	34.16
PK	7.32024G	49.33	74.00	-24.67	12.49	3	Horizontal	275	1.05	-	36.84	36.36	10.63	34.50

BT-LE(125kbps)

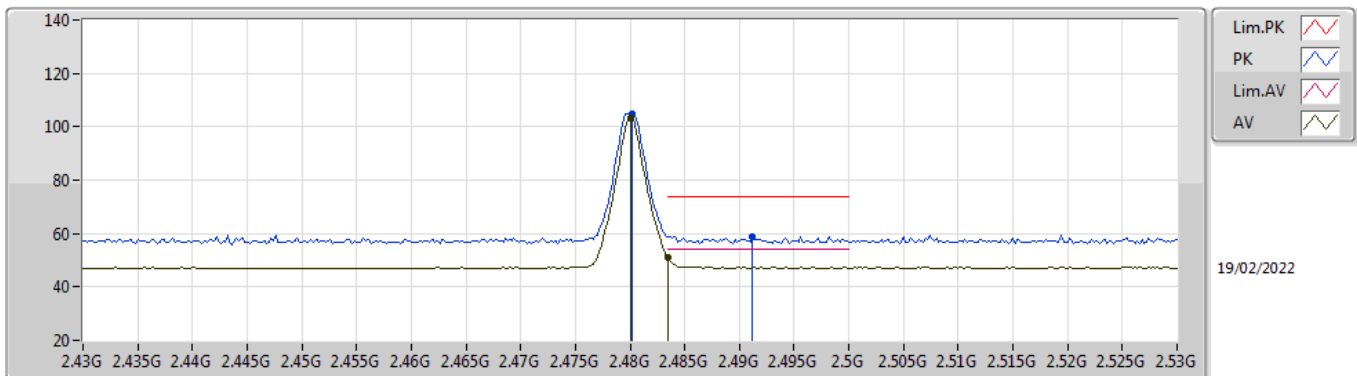
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	94.63	Inf	-Inf	34.72	3	Vertical	329	1.00	-	59.91	27.40	7.32	-
AV	2.4835G	47.80	54.00	-6.20	34.73	3	Vertical	329	1.00	-	13.07	27.40	7.33	-
PK	2.4802G	96.35	Inf	-Inf	34.72	3	Vertical	329	1.00	-	61.63	27.40	7.32	-
PK	2.4916G	58.30	74.00	-15.70	34.73	3	Vertical	329	1.00	-	23.57	27.40	7.33	-

BT-LE(125kbps)

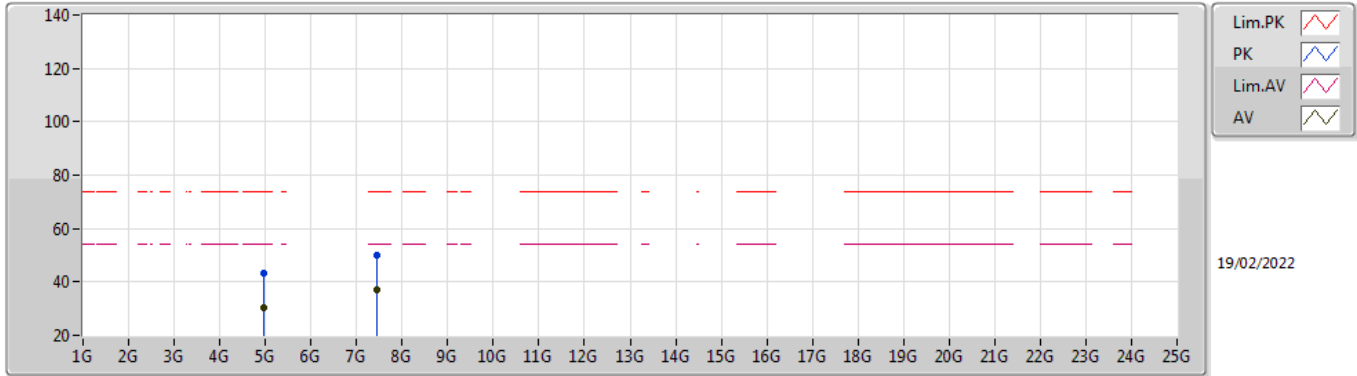
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	103.07	Inf	-Inf	34.72	3	Horizontal	355	1.15	-	68.35	27.40	7.32	-
AV	2.4835G	51.17	54.00	-2.83	34.73	3	Horizontal	355	1.15	-	16.44	27.40	7.33	-
PK	2.4802G	104.83	Inf	-Inf	34.72	3	Horizontal	355	1.15	-	70.11	27.40	7.32	-
PK	2.4912G	59.01	74.00	-14.99	34.73	3	Horizontal	355	1.15	-	24.28	27.40	7.33	-

BT-LE(125kbps)

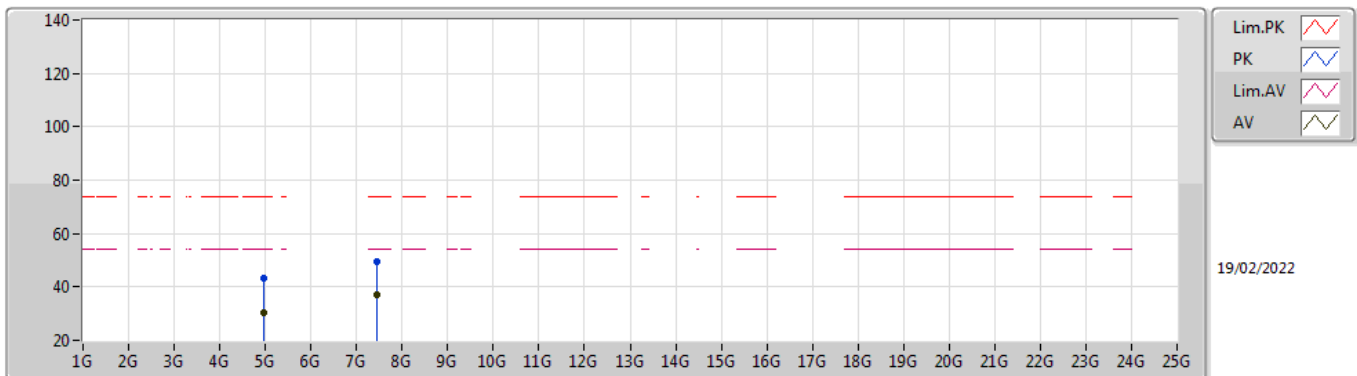
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95883G	30.15	54.00	-23.85	6.32	3	Vertical	281	1.51	-	23.83	31.42	9.02	34.12
AV	7.44211G	36.86	54.00	-17.14	12.51	3	Vertical	292	1.02	-	24.35	36.28	10.72	34.49
PK	4.95956G	43.06	74.00	-30.94	6.32	3	Vertical	281	1.51	-	36.74	31.42	9.02	34.12
PK	7.44061G	50.04	74.00	-23.96	12.51	3	Vertical	292	1.02	-	37.53	36.28	10.72	34.49

BT-LE(125kbps)

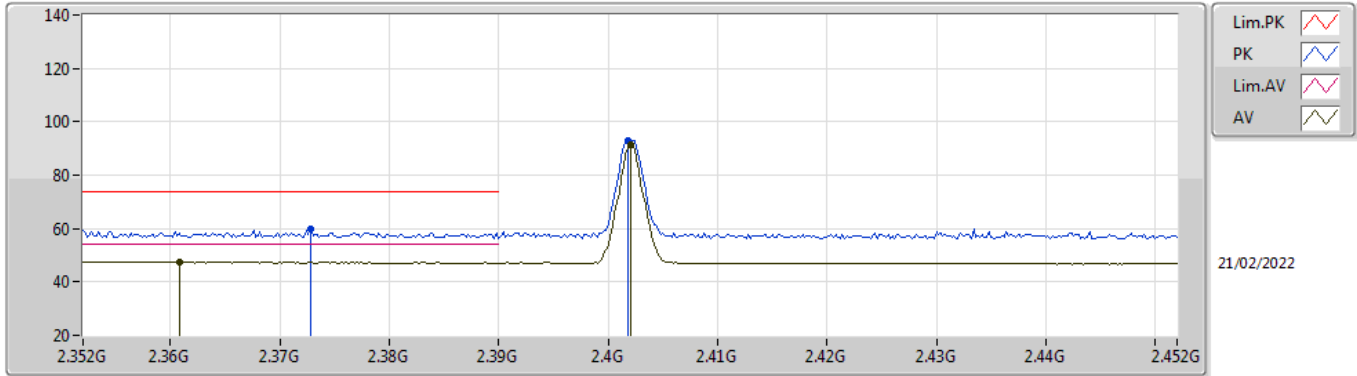
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95868G	30.15	54.00	-23.85	6.32	3	Horizontal	191	1.77	-	23.83	31.42	9.02	34.12
AV	7.43849G	36.98	54.00	-17.02	12.51	3	Horizontal	214	1.98	-	24.47	36.28	10.72	34.49
PK	4.96151G	43.35	74.00	-30.65	6.32	3	Horizontal	191	1.77	-	37.03	31.42	9.02	34.12
PK	7.43779G	49.71	74.00	-24.29	12.51	3	Horizontal	214	1.98	-	37.20	36.28	10.72	34.49

BT-LE(500kbps)

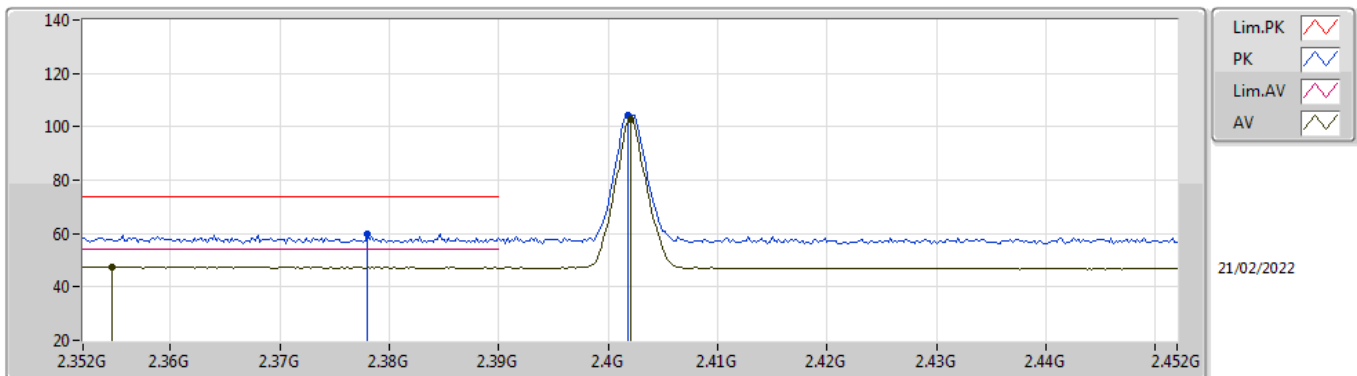
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3608G	47.45	54.00	-6.55	35.02	3	Vertical	316	1.21	-	12.43	27.78	7.24	-
AV	2.402G	91.31	Inf	-Inf	34.95	3	Vertical	316	1.21	-	56.36	27.69	7.26	-
PK	2.3728G	59.72	74.00	-14.28	35.00	3	Vertical	316	1.21	-	24.72	27.75	7.25	-
PK	2.4018G	92.78	Inf	-Inf	34.95	3	Vertical	316	1.21	-	57.83	27.69	7.26	-

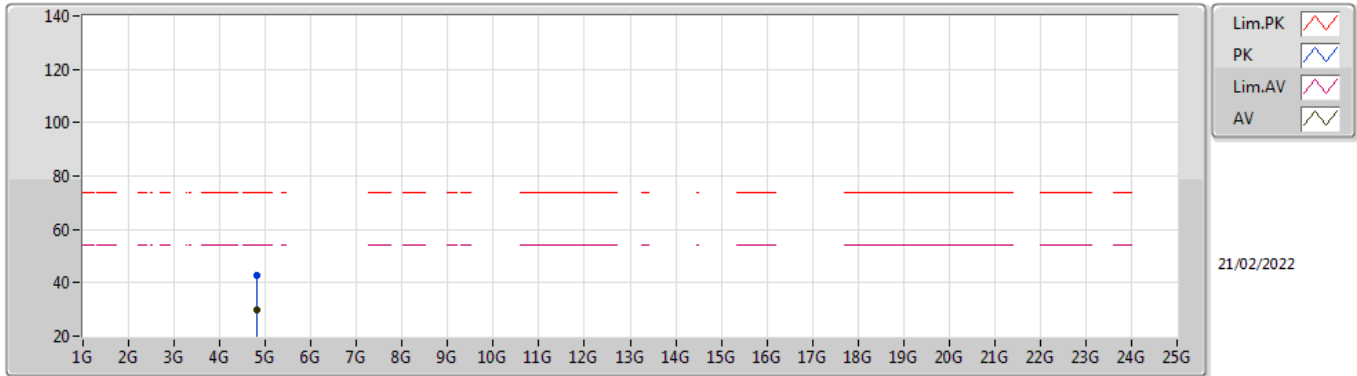
BT-LE(500kbps)

2402MHz_TX



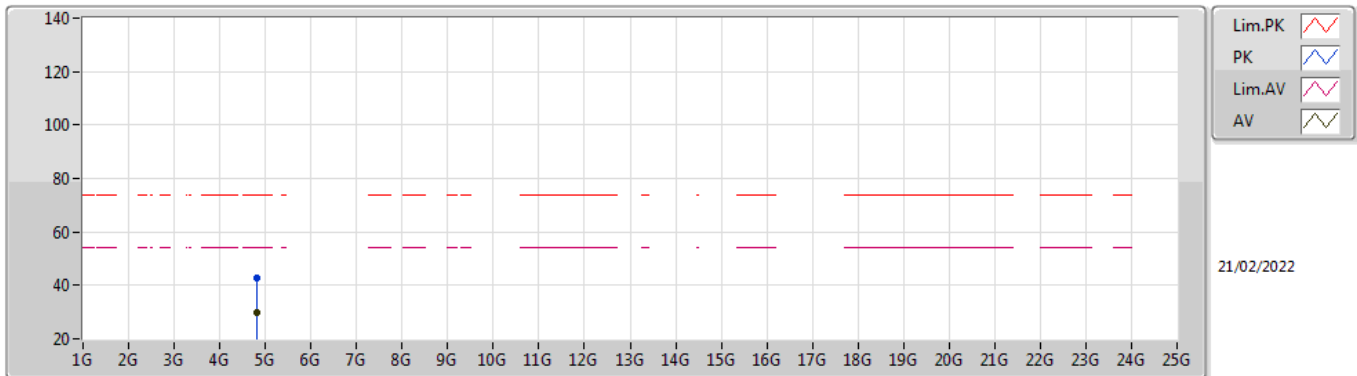
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3546G	47.53	54.00	-6.47	35.03	3	Horizontal	341	2.08	-	12.50	27.79	7.24	-
AV	2.402G	102.65	Inf	-Inf	34.95	3	Horizontal	341	2.08	-	67.70	27.69	7.26	-
PK	2.378G	59.82	74.00	-14.18	34.99	3	Horizontal	341	2.08	-	24.83	27.74	7.25	-
PK	2.4018G	104.25	Inf	-Inf	34.95	3	Horizontal	341	2.08	-	69.30	27.69	7.26	-

BT-LE(500kbps)
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80348G	30.06	54.00	-23.94	5.82	3	Vertical	314	2.21	-	24.24	31.11	8.90	34.19
PK	4.8036G	42.67	74.00	-31.33	5.82	3	Vertical	314	2.21	-	36.85	31.11	8.90	34.19

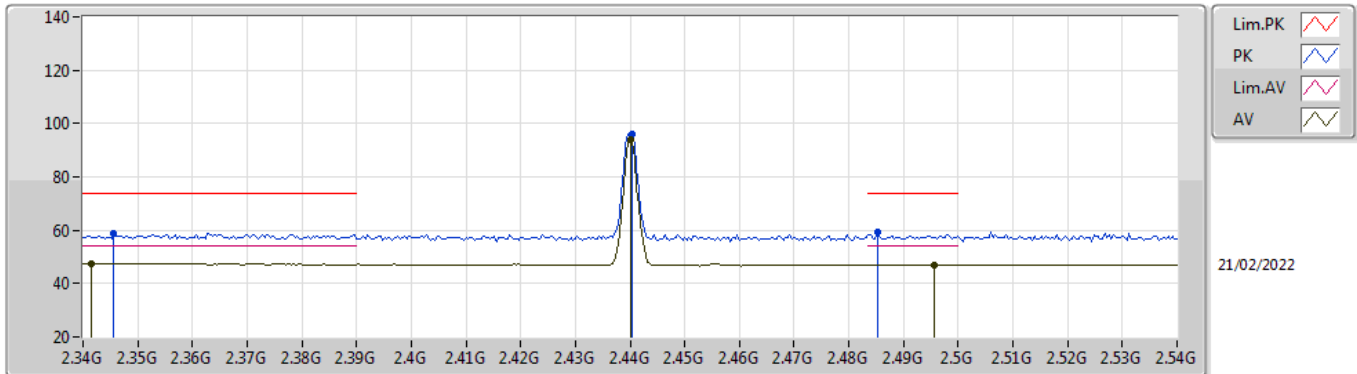
BT-LE(500kbps)
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80586G	29.63	54.00	-24.37	5.82	3	Horizontal	180	1.95	-	23.81	31.11	8.90	34.19
PK	4.80473G	42.83	74.00	-31.17	5.82	3	Horizontal	180	1.95	-	37.01	31.11	8.90	34.19

BT-LE(500kbps)

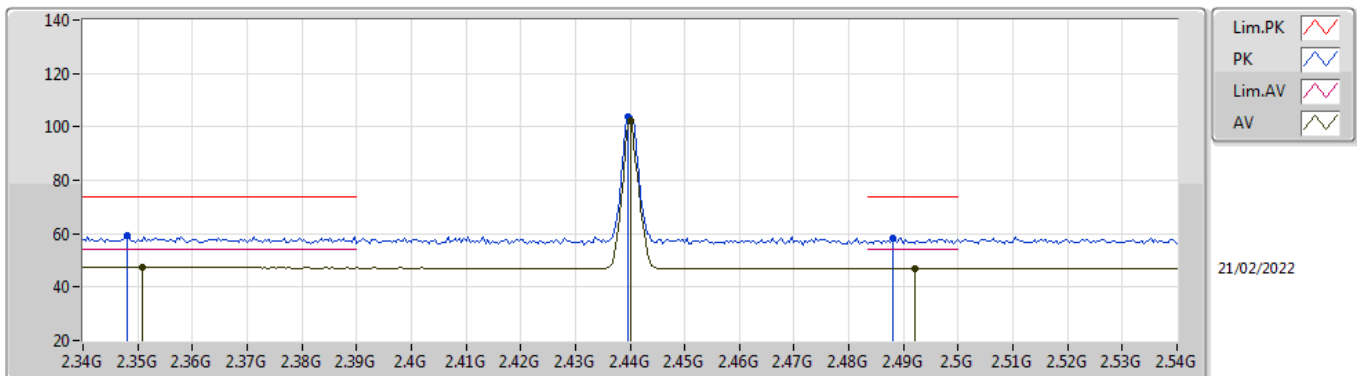
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3416G	47.67	54.00	-6.33	35.05	3	Vertical	187	2.43	-	12.62	27.82	7.23	-
AV	2.44G	94.22	Inf	-Inf	34.75	3	Vertical	187	2.43	-	59.47	27.46	7.29	-
AV	2.4956G	47.02	54.00	-6.98	34.74	3	Vertical	187	2.43	-	12.28	27.40	7.34	-
PK	2.3456G	58.65	74.00	-15.35	35.05	3	Vertical	187	2.43	-	23.60	27.81	7.24	-
PK	2.4404G	95.92	Inf	-Inf	34.75	3	Vertical	187	2.43	-	61.17	27.46	7.29	-
PK	2.4852G	59.25	74.00	-14.75	34.73	3	Vertical	187	2.43	-	24.52	27.40	7.33	-

BT-LE(500kbps)

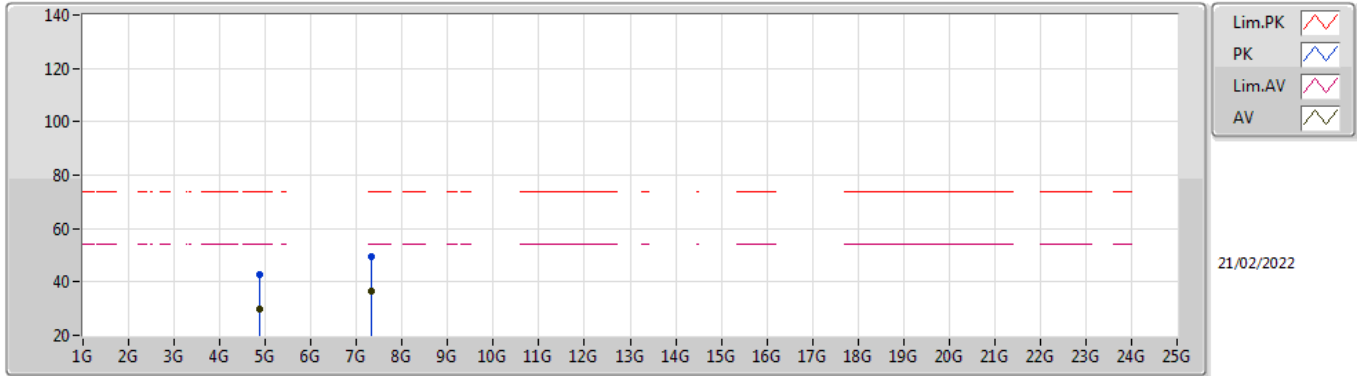
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3508G	47.58	54.00	-6.42	35.04	3	Horizontal	334	2.03	-	12.54	27.80	7.24	-
AV	2.44G	102.27	Inf	-Inf	34.75	3	Horizontal	334	2.03	-	67.52	27.46	7.29	-
AV	2.492G	47.07	54.00	-6.93	34.73	3	Horizontal	334	2.03	-	12.34	27.40	7.33	-
PK	2.348G	59.42	74.00	-14.58	35.04	3	Horizontal	334	2.03	-	24.38	27.80	7.24	-
PK	2.4396G	103.82	Inf	-Inf	34.75	3	Horizontal	334	2.03	-	69.07	27.46	7.29	-
PK	2.488G	58.53	74.00	-15.47	34.73	3	Horizontal	334	2.03	-	23.80	27.40	7.33	-

BT-LE(500kbps)

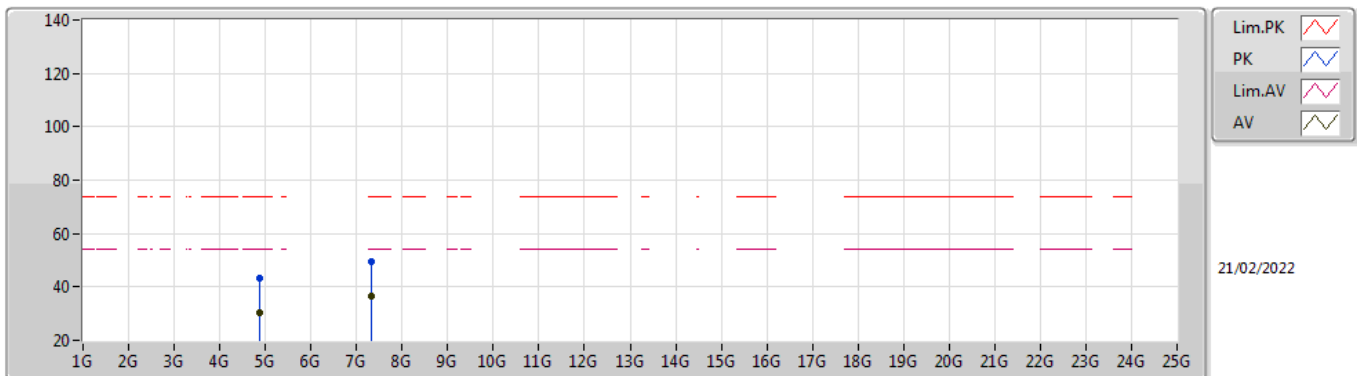
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87879G	30.02	54.00	-23.98	6.00	3	Vertical	126	1.50	-	24.02	31.20	8.96	34.16
AV	7.32136G	36.57	54.00	-17.43	12.49	3	Vertical	18	1.22	-	24.08	36.36	10.63	34.50
PK	4.88171G	42.98	74.00	-31.02	6.00	3	Vertical	126	1.50	-	36.98	31.20	8.96	34.16
PK	7.32088G	49.48	74.00	-24.52	12.49	3	Vertical	18	1.22	-	36.99	36.36	10.63	34.50

BT-LE(500kbps)

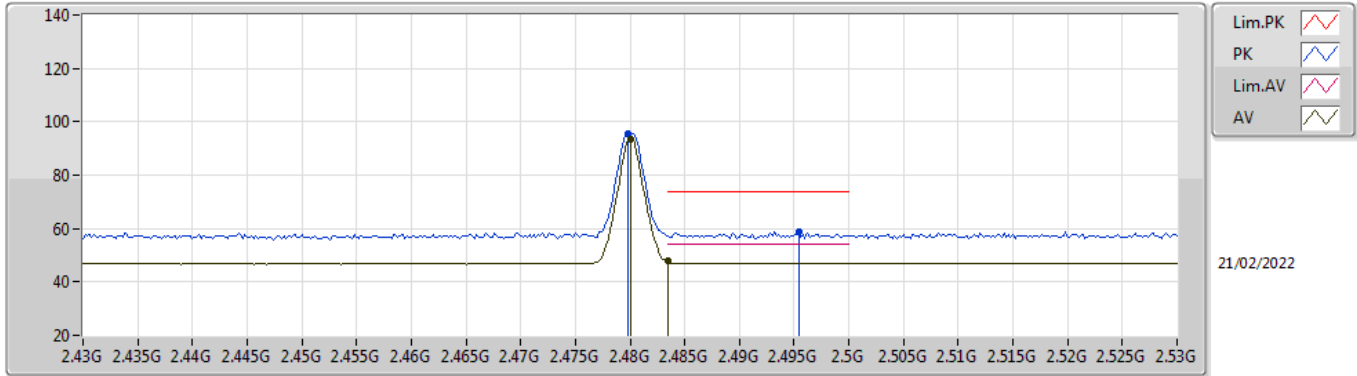
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87942G	30.34	54.00	-23.66	6.00	3	Horizontal	66	1.19	-	24.34	31.20	8.96	34.16
AV	7.31996G	36.49	54.00	-17.51	12.49	3	Horizontal	240	2.29	-	24.00	36.36	10.63	34.50
PK	4.88169G	43.15	74.00	-30.85	6.00	3	Horizontal	66	1.19	-	37.15	31.20	8.96	34.16
PK	7.32027G	49.32	74.00	-24.68	12.49	3	Horizontal	240	2.29	-	36.83	36.36	10.63	34.50

BT-LE(500kbps)

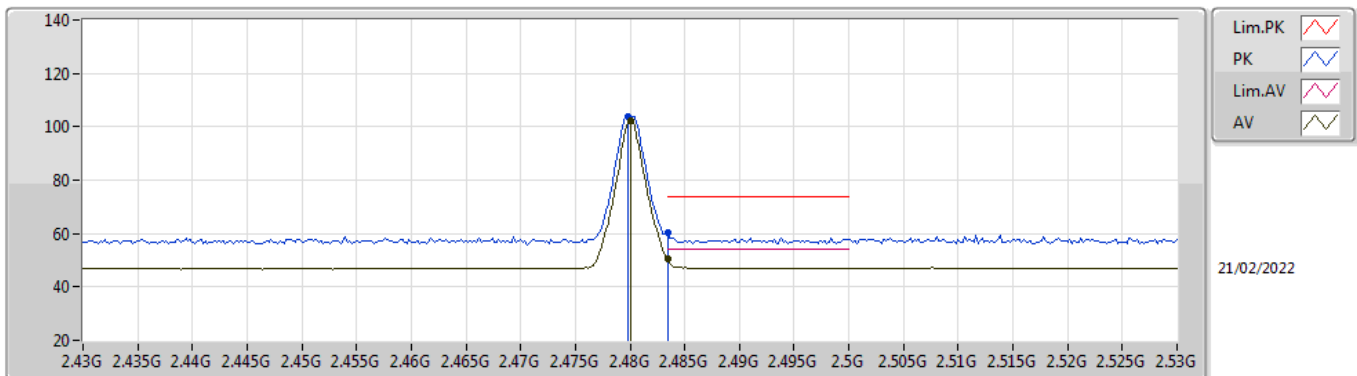
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	93.67	Inf	-Inf	34.72	3	Vertical	321	1.23	-	58.95	27.40	7.32	-
AV	2.4835G	47.77	54.00	-6.23	34.73	3	Vertical	321	1.23	-	13.04	27.40	7.33	-
PK	2.4798G	95.35	Inf	-Inf	34.72	3	Vertical	321	1.23	-	60.63	27.40	7.32	-
PK	2.4954G	58.64	74.00	-15.36	34.74	3	Vertical	321	1.23	-	23.90	27.40	7.34	-

BT-LE(500kbps)

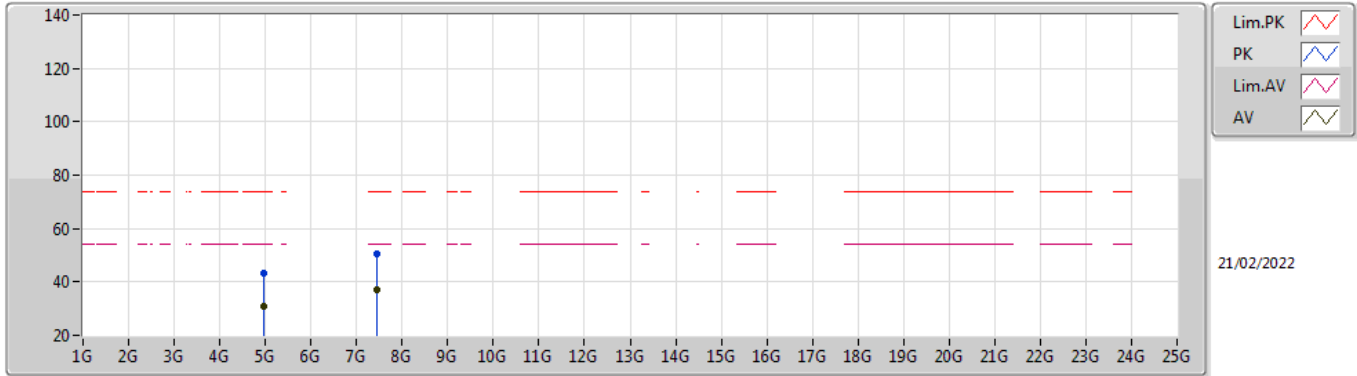
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	102.35	Inf	-Inf	34.72	3	Horizontal	337	2.20	-	67.63	27.40	7.32	-
AV	2.4835G	50.26	54.00	-3.74	34.73	3	Horizontal	337	2.20	-	15.53	27.40	7.33	-
PK	2.4798G	103.92	Inf	-Inf	34.72	3	Horizontal	337	2.20	-	69.20	27.40	7.32	-
PK	2.4835G	60.26	74.00	-13.74	34.73	3	Horizontal	337	2.20	-	25.53	27.40	7.33	-

BT-LE(500kbps)

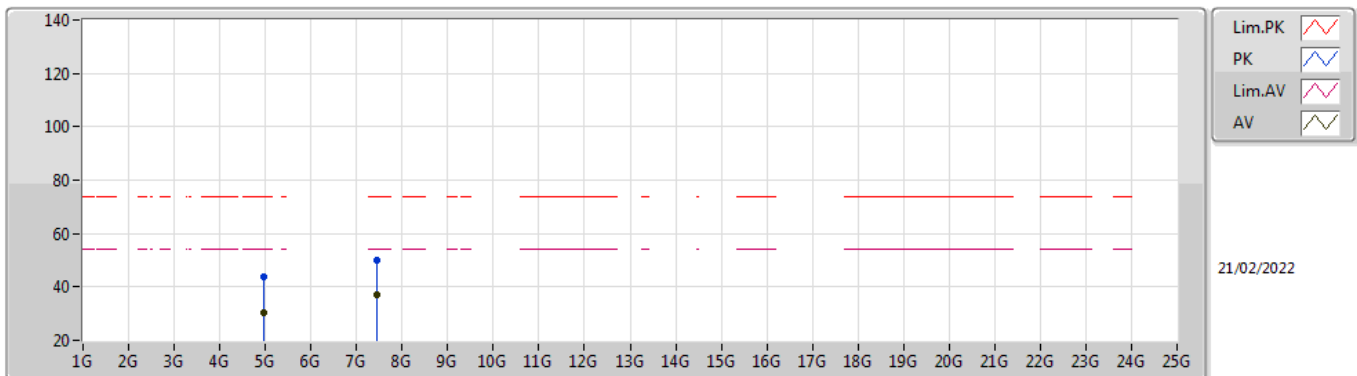
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.96035G	30.91	54.00	-23.09	6.32	3	Vertical	0	1.10	-	24.59	31.42	9.02	34.12
AV	7.4381G	36.97	54.00	-17.03	12.51	3	Vertical	231	1.50	-	24.46	36.28	10.72	34.49
PK	4.96142G	43.49	74.00	-30.51	6.32	3	Vertical	0	1.10	-	37.17	31.42	9.02	34.12
PK	7.43972G	50.41	74.00	-23.59	12.51	3	Vertical	231	1.50	-	37.90	36.28	10.72	34.49

BT-LE(500kbps)

2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95957G	30.41	54.00	-23.59	6.32	3	Horizontal	21	1.50	-	24.09	31.42	9.02	34.12
AV	7.43942G	37.00	54.00	-17.00	12.51	3	Horizontal	328	3.00	-	24.49	36.28	10.72	34.49
PK	4.95918G	43.70	74.00	-30.30	6.32	3	Horizontal	21	1.50	-	37.38	31.42	9.02	34.12
PK	7.43793G	50.10	74.00	-23.90	12.51	3	Horizontal	328	3.00	-	37.59	36.28	10.72	34.49