FCC Radio Test Report

FCC ID	:	**TOR-W318**
Equipment	:	**802.11 a/n/ac/ax + b/g/n/ax Access Point**
Brand Name	:	**Arista**
Model Name	:	**W-318**
Applicant	:	**Arista Networks, Inc.** **5453 Great America Parkway, Santa Clara, CA 95054 USA**
Manufacturer	:	**Arista Networks, Inc.** **5453 Great America Parkway, Santa Clara, CA 95054 USA**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Jul. 05, 2022, and testing was started from Aug. 23, 2022 and completed on Sep. 13, 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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History of this test report

Report No.	Version	Description	Issued Date
FR221041AL	01	Initial issue of report	Oct. 19, 2022

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: Barry Hsiao

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(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 (125kbps/500kbps/1Mbps/2Mbps) modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Senao	5718A0718300	PIFA	I-Pex	2.4G+5G	1 & 2
2	Senao	5718A0719300	PIFA	I-Pex	2.4G+5G	
3	M-gear	7004A0576000	Dipole	I-Pex	6E	3
4	M-gear	7004A0577000	Dipole	I-Pex	6E	
5	M-gear	7004A0578000	Dipole	I-Pex	BT	-

Ant.	Port	Gain (dBi)			
		2.4G	5G	6G	BT
1	1	4.44	5.86	-	-
2	2	4.32	5.31	-	-
3	1	-	-	5.64	-
4	2	-	-	5.39	-
5	1	-	-	-	5.21

Note 1: The EUT has five 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 BT function:

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

Only Ant. 5 (port 1) can be used as transmitting/receiving.

For 5GHz function:

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

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

For 6GHz 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.

1.1.3 EUT Information

Type of EUT				
EUT Power Type	From AC Adapter / PoE			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point

Type of EUT		
☒	Stand-alone	
☐	Combined (EUT where the radio part is fully integrated within another device)	
	Combined Equipment - Brand Name / Model No.:	…
☐	Plug-in radio (EUT intended for a variety of host systems)	
	Host System - Brand Name / Model No.:	…
☐	Other:	

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
BT-LE(1Mbps)	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
BT-LE(125kbps)	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
BT-LE(500kbps)	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
BT-LE(2Mbps)	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)

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				
☒ Hsinhua	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
(TAF: 3785**)**	**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	Wayne Chiu	20.5~20.8°C / 54~57%	25/Aug/2022~26/Aug/2022
RF Conducted	TH07-HY	Yuna Lin	22.6~26.0°C / 50~63%	07/Sep/2022~13/Sep/2022
Radiated	03CH03-HY	Billy Wang	23.5~23.9°C / 50~60%	23/Aug/2022~24/Aug/2022
Radiated (Co-location)	03CH02-HY	Daniel Lin	20.4~24.2°C / 58~60%	16/Aug/2022~01/Sep/2022
☐ Wen 33rd.St.	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
(TAF: 3785**)**	**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**
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
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	Dos 6.1

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	8
2440MHz	8
2480MHz	8
BT-LE(2Mbps)	-
2402MHz	8
2440MHz	8
2480MHz	8
BT-LE(125kbps)	-
2402MHz	8
2440MHz	8
2480MHz	8
BT-LE(500kbps)	-
2402MHz	8
2440MHz	8
2480MHz	8

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
2	PoE 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
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio1_WLAN 2.4G+Radio2_WLAN 5G+Radio3_6E+BT
Refer to Sporton Test Report No.: FA221041 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Support Equipment

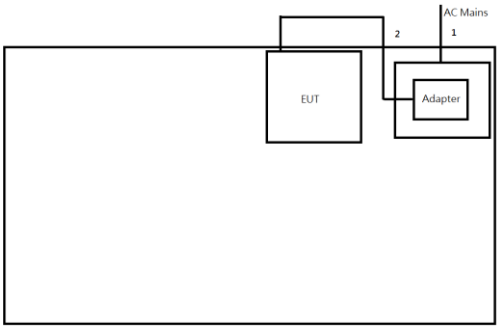
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	AC Power Cable	Power Sync	PW-GPC180-3	-	-
2	Adapter	Powertron Electronics Corp.	PA1030-120HUB300	-	-
3	PoE	EnGenius	PNA90BGS-54-TG	-	-
4	AC Power Cord	EnGenius	E315167	-	-
5	RJ45 Cable	Power Sync	CAT-6E-02	-	-

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Adapter	Powertron Electronics Corp.	PA1030-120HUB300	-	-

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	AC Power Cable	Power Sync	PW-GPC180-3	-	-
2	Adapter	Powertron Electronics Corp.	PA1030-120HUB300	-	-

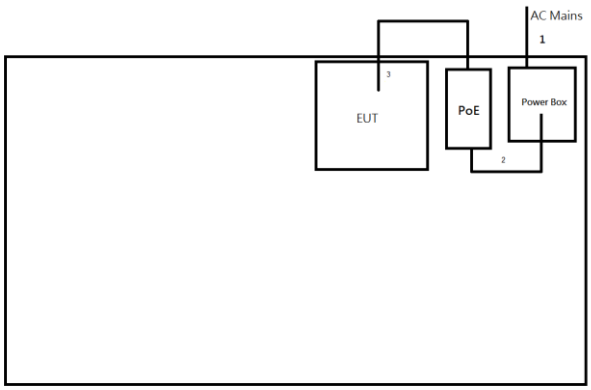
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test (Adapter)



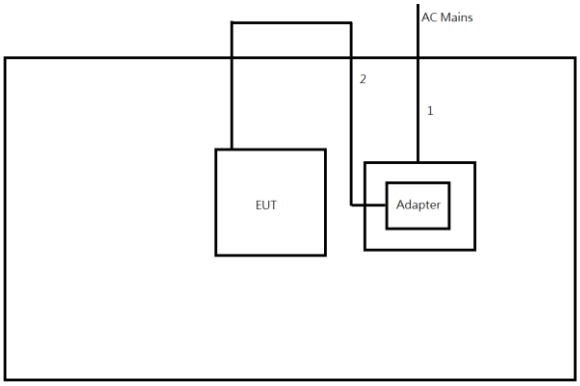
Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power Cable	No	1.5	-

Test Setup Diagram – AC Line Conducted Emission Test (PoE)



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	AC Power Cord	No	0.5	-
3	RJ45 Cable	No	2.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power Cable	No	1.5	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

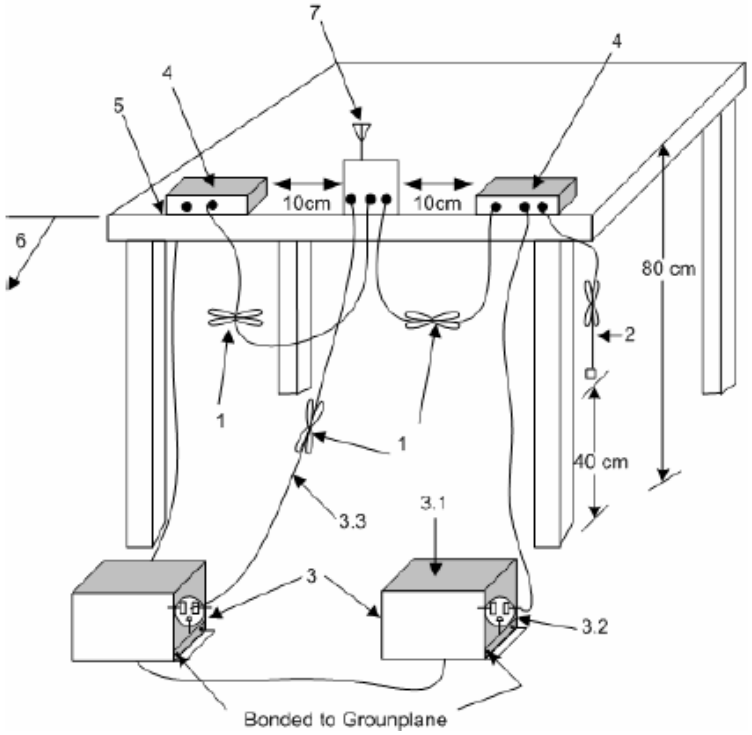
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.

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

AC Power-line Conducted Emissions



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

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 ≥ 500 kHz.

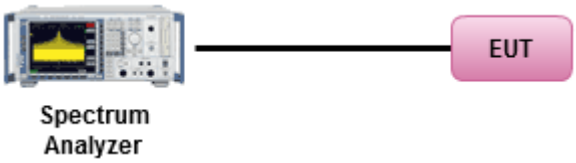
3.2.2 Measuring Instruments

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:	
	☒ Refer as KDB 558074, clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
	☐ Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
	☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


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			
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)		
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm		
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm		
	▪ Smart antenna system (SAS):		
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
		- 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:			
▪ 2400-2483.5 MHz Band			
	▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)		
	▪ Point-to-point systems (P2P): $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX}])$ dBm		
	▪ Smart antenna system (SAS)		
		- Single beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm	
		- Overlap beam: $P_{eirp} \leq MAX(36, P_{Out} + G_{TX})$ dBm	
		- Aggregate power on all beams: $P_{eirp} \leq MAX(36, [P_{Out} + G_{TX} + 8])$ 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	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
	☐ Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
	☐ Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
▪ Maximum Average Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
	☒ Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
▪ For conducted measurement.	
	▪ 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.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


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
▪ Power Spectral Density (PSD)≤8 dBm/3kHz

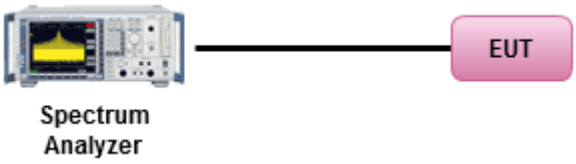
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method		
▪ 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).		
	☒ Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		▪ 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

Power Spectral Density


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.	

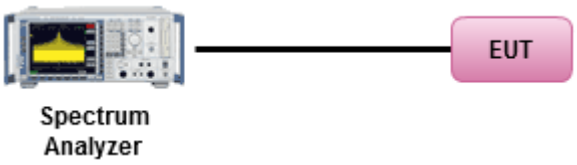
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


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 below30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

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

3.6.2 Measuring Instruments

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

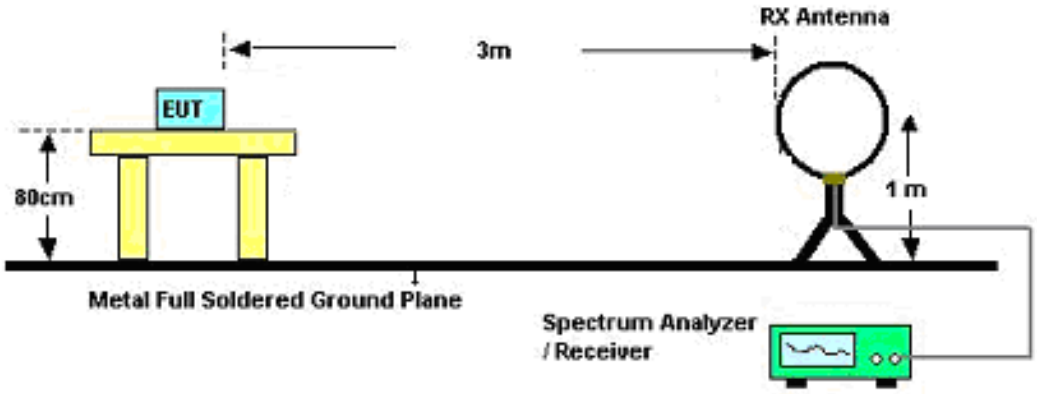
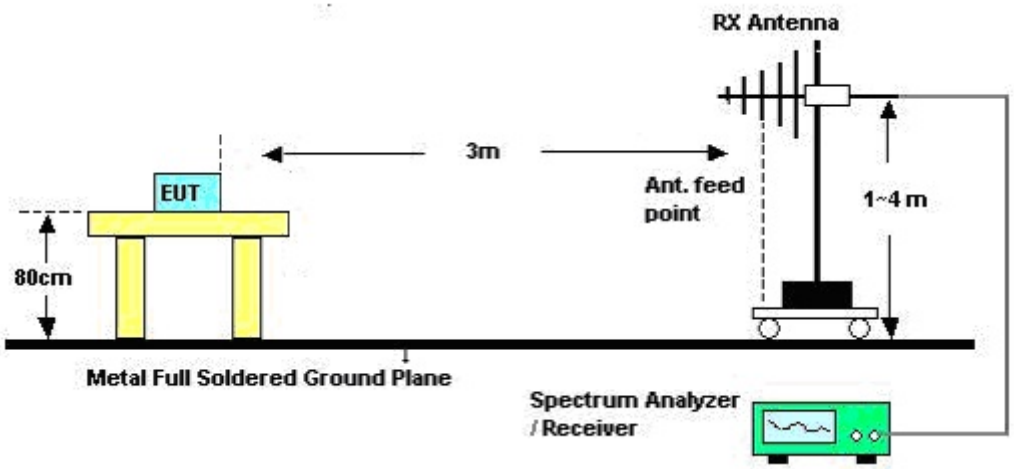
3.6.3 Test Procedures

Test Method	
▪	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
▪	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted emissions shall be measured using following options below:
	▪ Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
▪	For the transmitter band-edge emissions shall be measured using following options below:
	▪ 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.
	▪ Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
▪	Use the following spectrum analyzer settings:
	▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.
▪	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
	▪ 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.
	▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

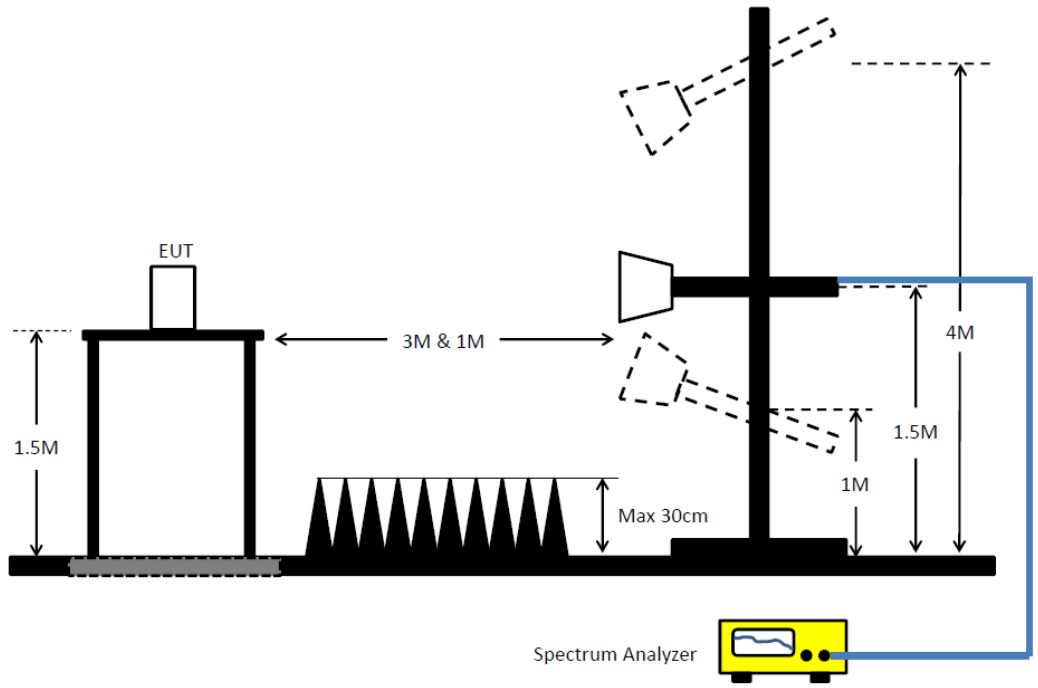
3.6.4 Measurement Results Calculation

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

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.8.2	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	14/Feb/2022	13/Feb/2023
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
SENSE-15247_FS	Sporton	V5.10.7.16	N/A	N/A	N/A	N/A

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	08/Apr/2022	07/Apr/2023
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	03/Nov/2021	02/Nov/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 02268	1GHz~18GHz	14/Sep/2021	13/Sep/2022
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	01/Apr/2022	31/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
SENSE-EMI	Sporton	V5.10.8.6	NA	NA	NA	NA

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	03CH03-HY	30MHz~1GHz 3m	01/Aug/2022	31/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	02/Aug/2022	01/Aug/2023
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	08/Apr/2022	07/Apr/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	17/Oct/2021	16/Oct/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	13/Jun/2022	12/Jun/2023
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB021-1+CB021-2	30MHz~1GHz	22/Mar/2022	21/Mar/2023
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-01	1GHz~40GHz	27/Jul/2022	26/Jul/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	13/May/2022	12/May/2023
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
SENSE-15247-FS	Sporton	V5.10.7.14	NA	BT	NA	NA

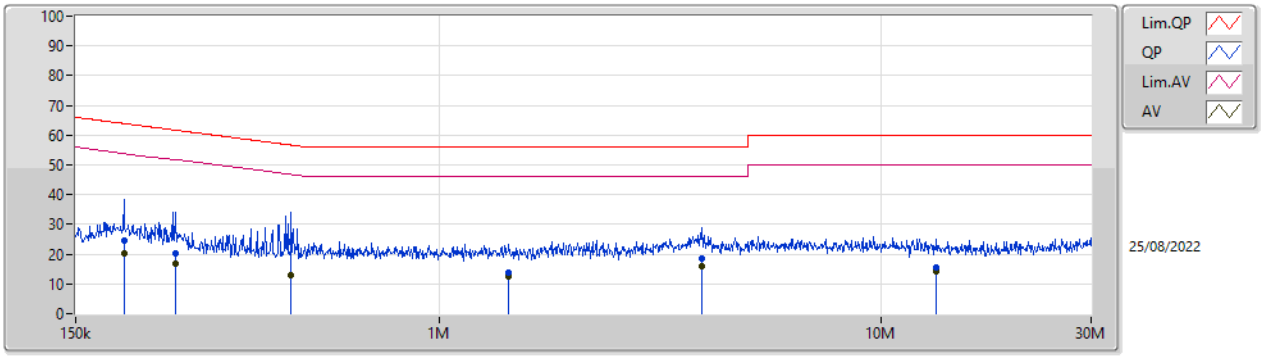
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	3.836M	16.93	46.00	-29.07	Neutral
Mode 2	Pass	QP	151.807k	53.02	65.90	-12.88	Line

Mode Configure

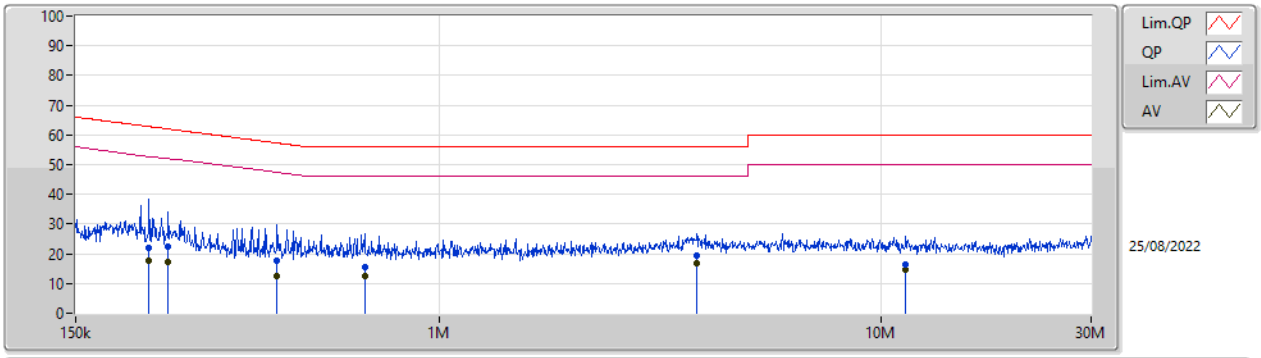
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	192.892k	24.56	63.92	-39.36	Line	-
Mode 1	Pass	AV	192.892k	20.41	53.92	-33.51	Line	-
Mode 1	Pass	QP	252.043k	20.16	61.70	-41.54	Line	-
Mode 1	Pass	AV	252.043k	16.98	51.70	-34.72	Line	-
Mode 1	Pass	QP	462.379k	24.32	56.65	-32.33	Line	-
Mode 1	Pass	AV	462.379k	13.14	46.65	-33.51	Line	-
Mode 1	Pass	QP	1.437M	13.93	56.00	-42.07	Line	-
Mode 1	Pass	AV	1.437M	12.29	46.00	-33.71	Line	-
Mode 1	Pass	QP	3.945M	18.41	56.00	-37.59	Line	-
Mode 1	Pass	AV	3.945M	16.16	46.00	-29.84	Line	-
Mode 1	Pass	QP	13.382M	15.50	60.00	-44.50	Line	-
Mode 1	Pass	AV	13.382M	14.08	50.00	-35.92	Line	-
Mode 1	Pass	QP	220.053k	22.11	62.81	-40.70	Neutral	-
Mode 1	Pass	AV	220.053k	17.51	52.81	-35.30	Neutral	-
Mode 1	Pass	QP	243.148k	22.37	61.98	-39.61	Neutral	-
Mode 1	Pass	AV	243.148k	17.27	51.98	-34.71	Neutral	-
Mode 1	Pass	QP	428.605k	17.58	57.28	-39.70	Neutral	-
Mode 1	Pass	AV	428.605k	12.71	47.28	-34.57	Neutral	-
Mode 1	Pass	QP	678.32k	15.65	56.00	-40.35	Neutral	-
Mode 1	Pass	AV	678.32k	12.40	46.00	-33.60	Neutral	-
Mode 1	Pass	QP	3.836M	19.47	56.00	-36.53	Neutral	-
Mode 1	Pass	AV	3.836M	16.93	46.00	-29.07	Neutral	-
Mode 1	Pass	QP	11.407M	16.48	60.00	-43.52	Neutral	-
Mode 1	Pass	AV	11.407M	14.79	50.00	-35.21	Neutral	-
Mode 2	Pass	QP	151.807k	53.02	65.90	-12.88	Line	-
Mode 2	Pass	AV	151.807k	40.82	55.90	-15.08	Line	-
Mode 2	Pass	QP	178.803k	49.27	64.55	-15.28	Line	-
Mode 2	Pass	AV	178.803k	36.21	54.55	-18.34	Line	-
Mode 2	Pass	QP	219.176k	28.38	62.85	-34.47	Line	-
Mode 2	Pass	AV	219.176k	15.66	52.85	-37.19	Line	-
Mode 2	Pass	QP	1.892M	19.11	56.00	-36.89	Line	-
Mode 2	Pass	AV	1.892M	16.21	46.00	-29.79	Line	-
Mode 2	Pass	QP	3.154M	15.18	56.00	-40.82	Line	-
Mode 2	Pass	AV	3.154M	13.80	46.00	-32.20	Line	-
Mode 2	Pass	QP	20.926M	35.26	60.00	-24.74	Line	-
Mode 2	Pass	AV	20.926M	30.24	50.00	-19.76	Line	-
Mode 2	Pass	QP	162.467k	37.42	65.33	-27.91	Neutral	-
Mode 2	Pass	AV	162.467k	21.35	55.33	-33.98	Neutral	-
Mode 2	Pass	QP	197.568k	33.81	63.71	-29.90	Neutral	-
Mode 2	Pass	AV	197.568k	21.59	53.71	-32.12	Neutral	-
Mode 2	Pass	QP	351.053k	17.67	58.94	-41.27	Neutral	-
Mode 2	Pass	AV	351.053k	13.59	48.94	-35.35	Neutral	-
Mode 2	Pass	QP	1.108M	14.08	56.00	-41.92	Neutral	-
Mode 2	Pass	AV	1.108M	12.13	46.00	-33.87	Neutral	-
Mode 2	Pass	QP	2.301M	23.41	56.00	-32.59	Neutral	-
Mode 2	Pass	AV	2.301M	17.30	46.00	-28.70	Neutral	-
Mode 2	Pass	QP	21.348M	35.75	60.00	-24.25	Neutral	-
Mode 2	Pass	AV	21.348M	32.48	50.00	-17.52	Neutral	-

Conducted Emissions at Powerline_Mode 1



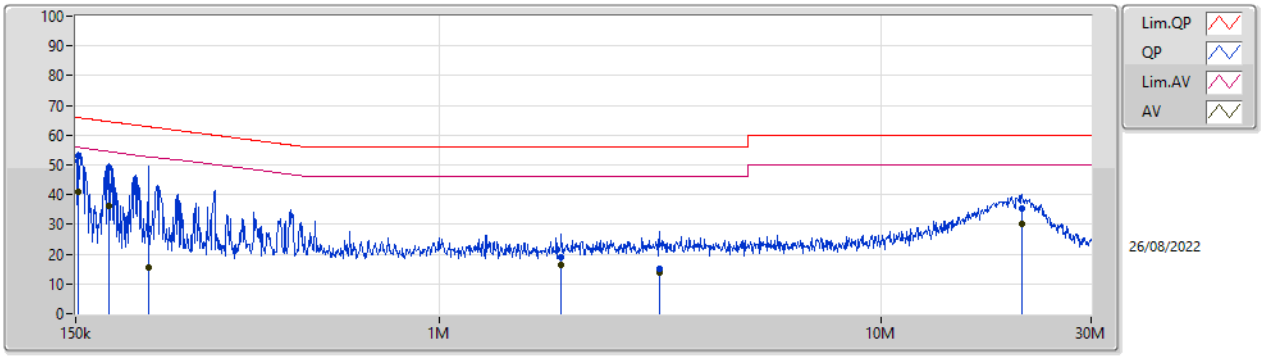
Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	192.892k	24.56	63.92	-39.36	19.63	Line	-	4.93	9.69	0.03	9.91
AV	192.892k	20.41	53.92	-33.51	19.63	Line	-	0.78	9.69	0.03	9.91
QP	252.043k	20.16	61.70	-41.54	19.63	Line	-	0.53	9.69	0.03	9.91
AV	252.043k	16.98	51.70	-34.72	19.63	Line	-	-2.65	9.69	0.03	9.91
QP	462.379k	24.32	56.65	-32.33	19.63	Line	-	4.69	9.68	0.04	9.91
AV	462.379k	13.14	46.65	-33.51	19.63	Line	-	-6.49	9.68	0.04	9.91
QP	1.437M	13.93	56.00	-42.07	19.68	Line	-	-5.75	9.69	0.07	9.92
AV	1.437M	12.29	46.00	-33.71	19.68	Line	-	-7.39	9.69	0.07	9.92
QP	3.945M	18.41	56.00	-37.59	19.76	Line	-	-1.35	9.71	0.13	9.92
AV	3.945M	16.16	46.00	-29.84	19.76	Line	-	-3.60	9.71	0.13	9.92
QP	13.382M	15.50	60.00	-44.50	19.95	Line	-	-4.45	9.80	0.22	9.93
AV	13.382M	14.08	50.00	-35.92	19.95	Line	-	-5.87	9.80	0.22	9.93

Conducted Emissions at Powerline_Mode 1



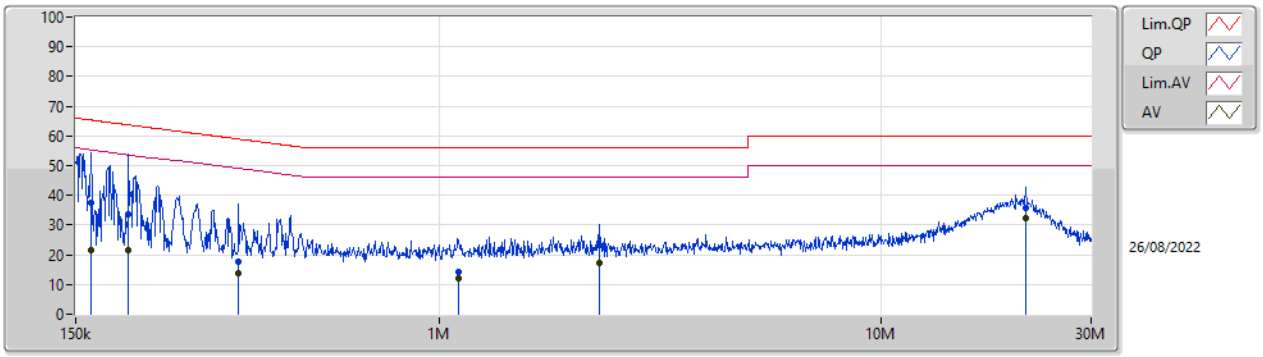
Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	220.053k	22.11	62.81	-40.70	19.66	Neutral	-	2.45	9.72	0.03	9.91
AV	220.053k	17.51	52.81	-35.30	19.66	Neutral	-	-2.15	9.72	0.03	9.91
QP	243.148k	22.37	61.98	-39.61	19.66	Neutral	-	2.71	9.72	0.03	9.91
AV	243.148k	17.27	51.98	-34.71	19.66	Neutral	-	-2.39	9.72	0.03	9.91
QP	428.605k	17.58	57.28	-39.70	19.67	Neutral	-	-2.09	9.72	0.04	9.91
AV	428.605k	12.71	47.28	-34.57	19.67	Neutral	-	-6.96	9.72	0.04	9.91
QP	678.32k	15.65	56.00	-40.35	19.70	Neutral	-	-4.05	9.73	0.05	9.92
AV	678.32k	12.40	46.00	-33.60	19.70	Neutral	-	-7.30	9.73	0.05	9.92
QP	3.836M	19.47	56.00	-36.53	19.81	Neutral	-	-0.34	9.76	0.13	9.92
AV	3.836M	16.93	46.00	-29.07	19.81	Neutral	-	-2.88	9.76	0.13	9.92
QP	11.407M	16.48	60.00	-43.52	20.04	Neutral	-	-3.56	9.91	0.20	9.93
AV	11.407M	14.79	50.00	-35.21	20.04	Neutral	-	-5.25	9.91	0.20	9.93

Conducted Emissions at Powerline_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	151.807k	53.02	65.90	-12.88	19.63	Line	-	33.39	9.69	0.03	9.91
AV	151.807k	40.82	55.90	-15.08	19.63	Line	-	21.19	9.69	0.03	9.91
QP	178.803k	49.27	64.55	-15.28	19.63	Line	-	29.64	9.69	0.03	9.91
AV	178.803k	36.21	54.55	-18.34	19.63	Line	-	16.58	9.69	0.03	9.91
QP	219.176k	28.38	62.85	-34.47	19.63	Line	-	8.75	9.69	0.03	9.91
AV	219.176k	15.66	52.85	-37.19	19.63	Line	-	-3.97	9.69	0.03	9.91
QP	1.892M	19.11	56.00	-36.89	19.70	Line	-	-0.59	9.70	0.08	9.92
AV	1.892M	16.21	46.00	-29.79	19.70	Line	-	-3.49	9.70	0.08	9.92
QP	3.154M	15.18	56.00	-40.82	19.74	Line	-	-4.56	9.71	0.11	9.92
AV	3.154M	13.80	46.00	-32.20	19.74	Line	-	-5.94	9.71	0.11	9.92
QP	20.926M	35.26	60.00	-24.74	20.00	Line	-	15.26	9.79	0.28	9.93
AV	20.926M	30.24	50.00	-19.76	20.00	Line	-	10.24	9.79	0.28	9.93

Conducted Emissions at Powerline_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	162.467k	37.42	65.33	-27.91	19.67	Neutral	-	17.75	9.73	0.03	9.91
AV	162.467k	21.35	55.33	-33.98	19.67	Neutral	-	1.68	9.73	0.03	9.91
QP	197.568k	33.81	63.71	-29.90	19.66	Neutral	-	14.15	9.72	0.03	9.91
AV	197.568k	21.59	53.71	-32.12	19.66	Neutral	-	1.93	9.72	0.03	9.91
QP	351.053k	17.67	58.94	-41.27	19.67	Neutral	-	-2.00	9.72	0.04	9.91
AV	351.053k	13.59	48.94	-35.35	19.67	Neutral	-	-6.08	9.72	0.04	9.91
QP	1.108M	14.08	56.00	-41.92	19.70	Neutral	-	-5.62	9.73	0.05	9.92
AV	1.108M	12.13	46.00	-33.87	19.70	Neutral	-	-7.57	9.73	0.05	9.92
QP	2.301M	23.41	56.00	-32.59	19.75	Neutral	-	3.66	9.74	0.09	9.92
AV	2.301M	17.30	46.00	-28.70	19.75	Neutral	-	-2.45	9.74	0.09	9.92
QP	21.348M	35.75	60.00	-24.25	20.22	Neutral	-	15.53	10.01	0.28	9.93
AV	21.348M	32.48	50.00	-17.52	20.22	Neutral	-	12.26	10.01	0.28	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)	731.25k	1.079M	1M08F1D	687.5k	1.066M
BT-LE(2Mbps)	1.308M	2.081M	2M08F1D	1.26M	2.061M
BT-LE(125kbps)	728.75k	1.079M	1M08F1D	655k	1.072M
BT-LE(500kbps)	740k	1.054M	1M05F1D	691.25k	1.046M

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

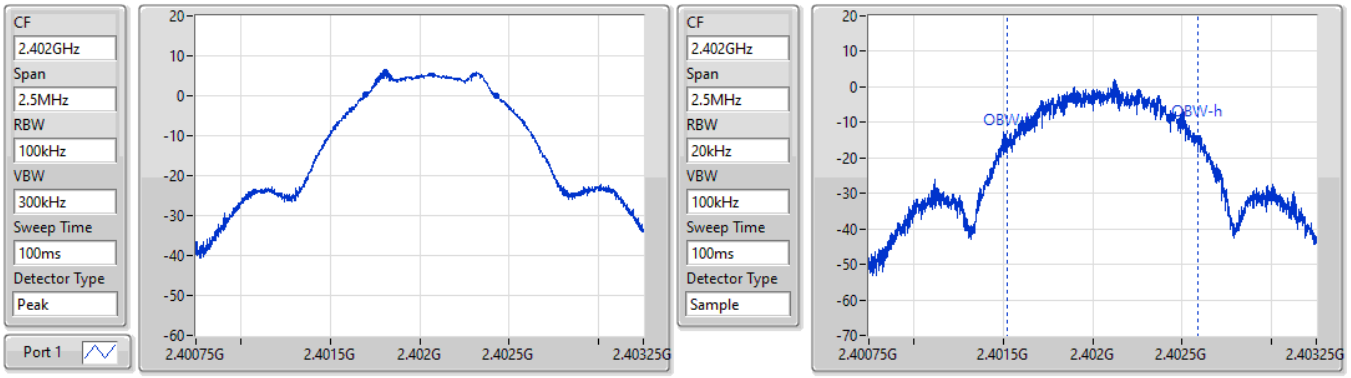
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	731.25k	1.066M
2440MHz	Pass	500k	687.5k	1.071M
2480MHz	Pass	500k	725k	1.079M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.26M	2.069M
2440MHz	Pass	500k	1.305M	2.061M
2480MHz	Pass	500k	1.308M	2.081M
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	500k	655k	1.072M
2440MHz	Pass	500k	655k	1.076M
2480MHz	Pass	500k	728.75k	1.079M
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	500k	691.25k	1.046M
2440MHz	Pass	500k	740k	1.054M
2480MHz	Pass	500k	703.75k	1.046M

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

BT-LE(1Mbps) **EBW-DTS**

2402MHz

08/09/2022

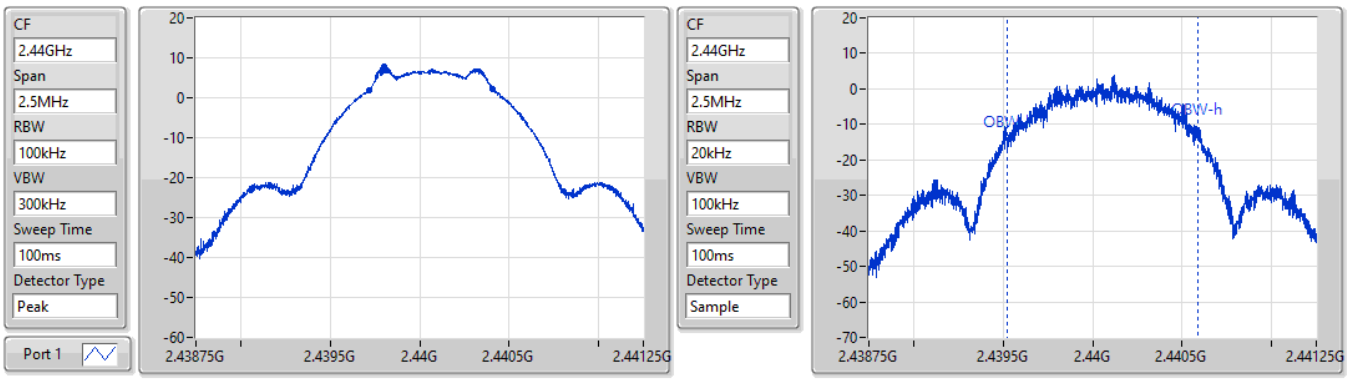


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
731.25k	2.4017G	2.402431G	1.066M	2.401525G	2.402591G	500k	1

BT-LE(1Mbps) **EBW-DTS**

2440MHz

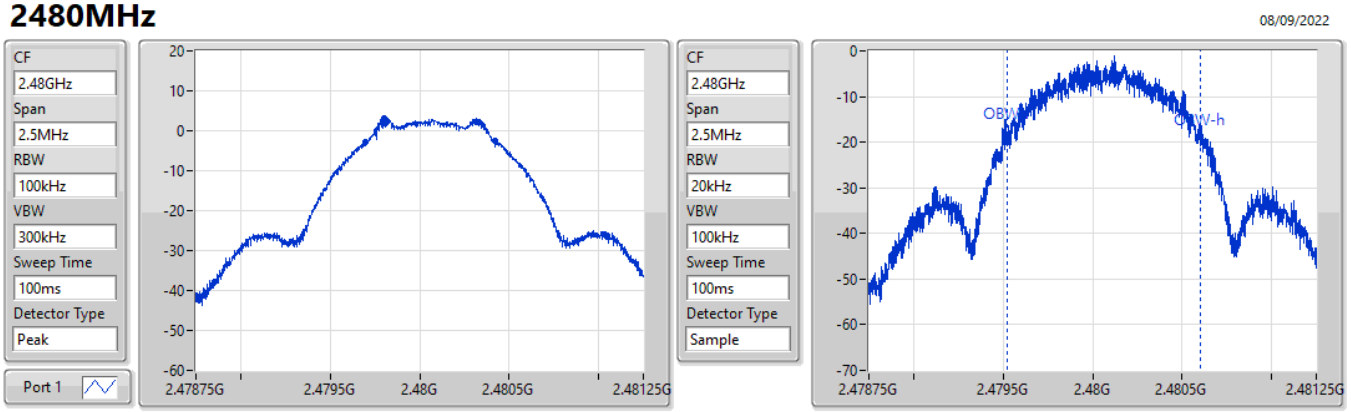
08/09/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
687.5k	2.439719G	2.440406G	1.071M	2.43952G	2.440591G	500k	1

BT-LE(1Mbps) EBW-DTS

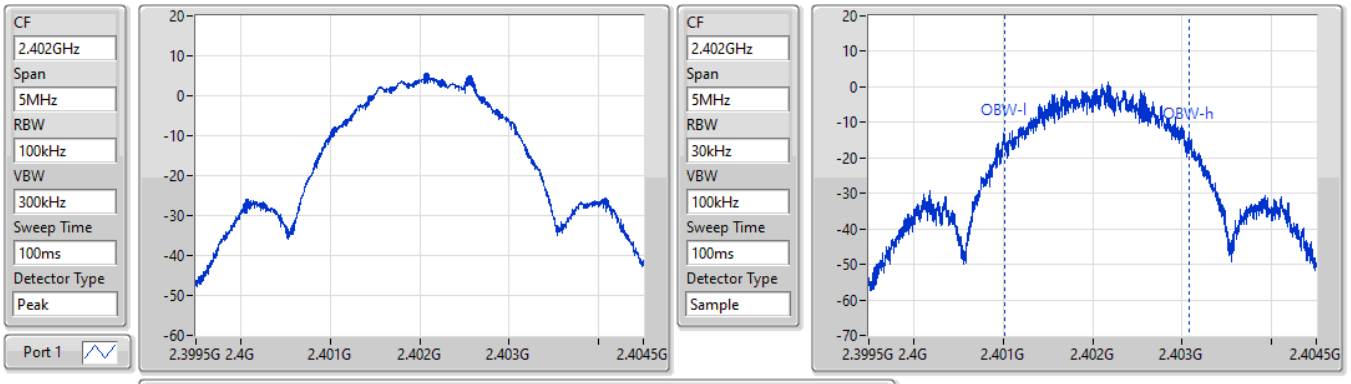
2480MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
725k	2.479698G	2.480423G	1.079M	2.47952G	2.4806G	500k	1

BT-LE(2Mbps) EBW-DTS

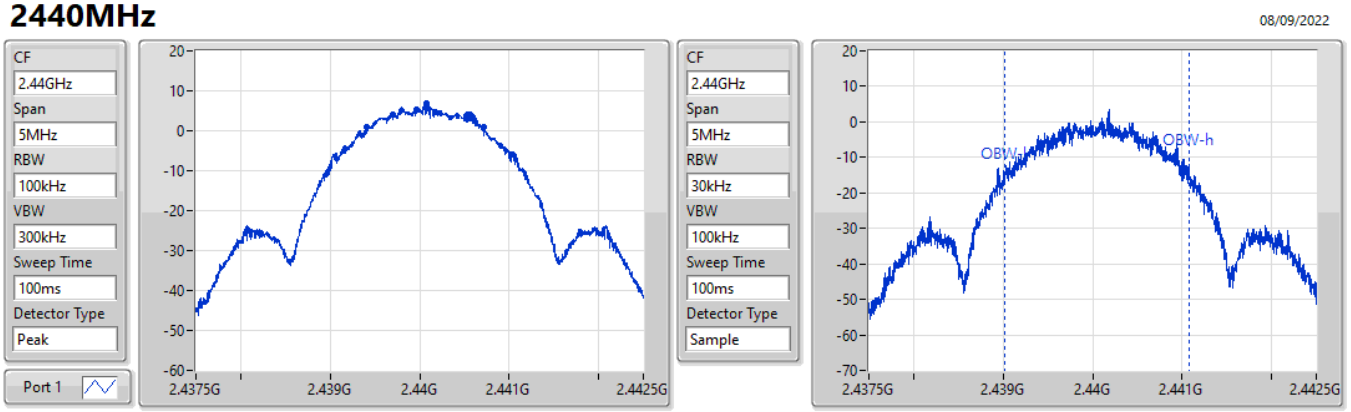
2402MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.26M	2.401448G	2.402708G	2.069M	2.401013G	2.403082G	500k	1

BT-LE(2Mbps) **EBW-DTS**

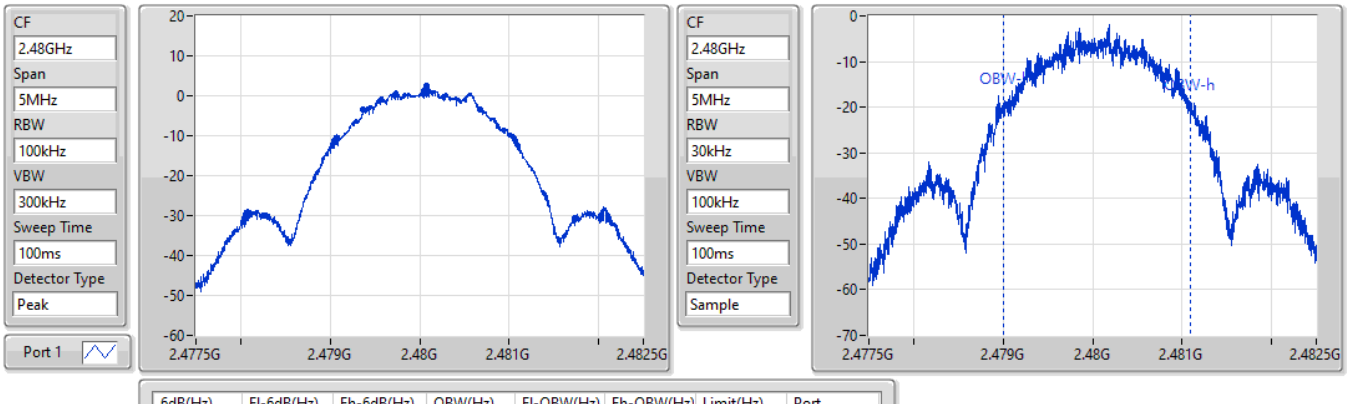
2440MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.305M	2.439408G	2.440713G	2.061M	2.439015G	2.441077G	500k	1

BT-LE(2Mbps) **EBW-DTS**

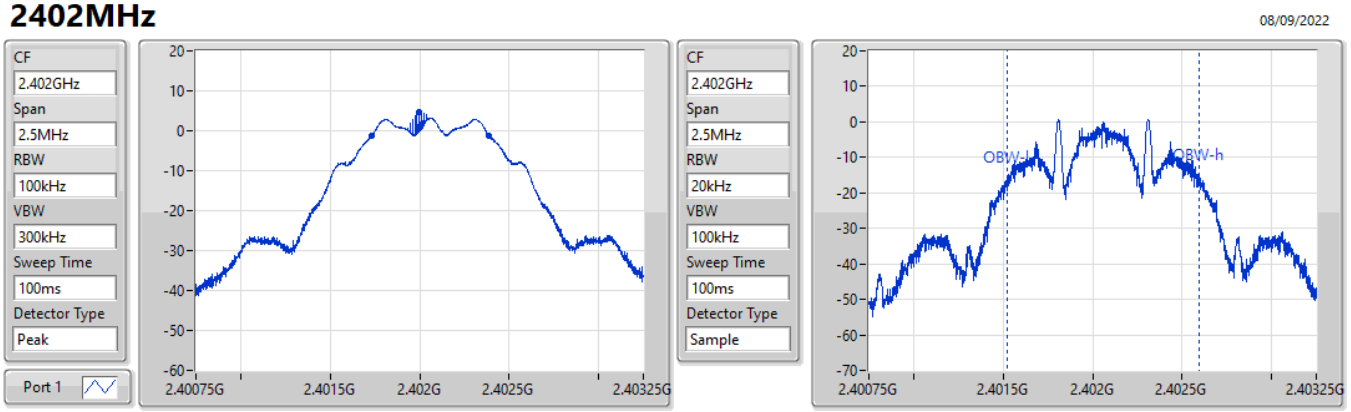
2480MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.308M	2.479368G	2.480675G	2.081M	2.479008G	2.481089G	500k	1

BT-LE(125kbps) **EBW-DTS**

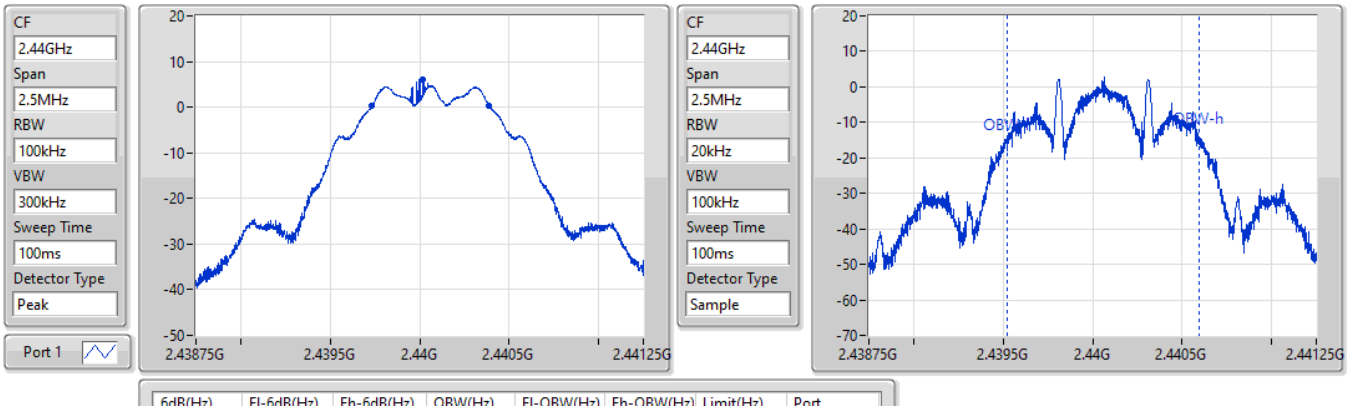
2402MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
655k	2.401734G	2.402389G	1.072M	2.401525G	2.402597G	500k	1

BT-LE(125kbps) **EBW-DTS**

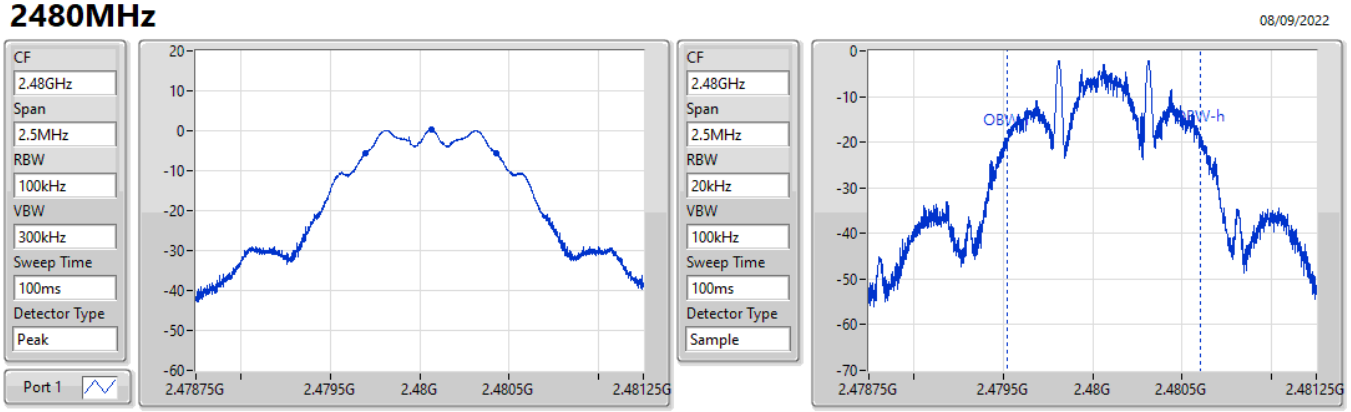
2440MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
655k	2.439734G	2.440389G	1.076M	2.439523G	2.440598G	500k	1

BT-LE(125kbps) **EBW-DTS**

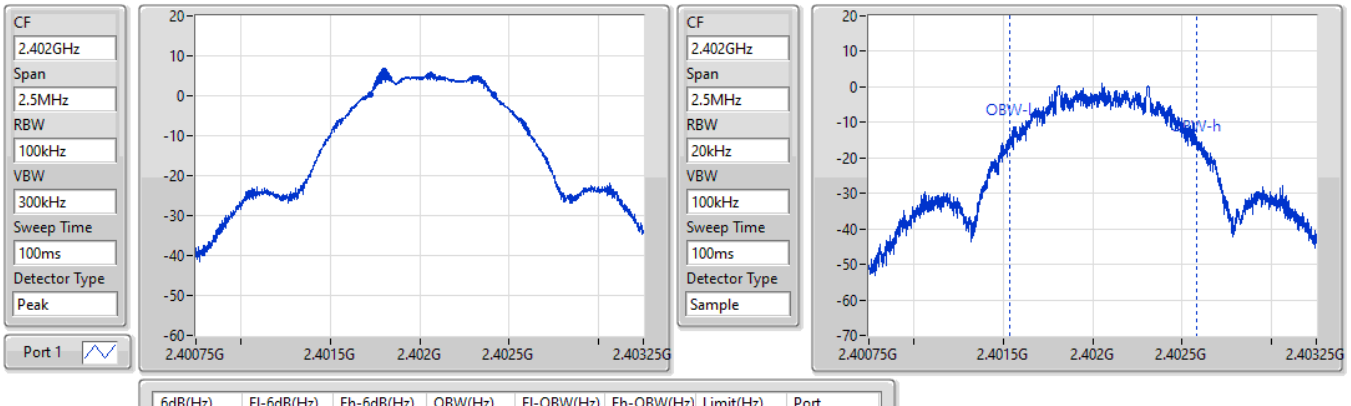
2480MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
728.75k	2.479699G	2.480428G	1.079M	2.479523G	2.480602G	500k	1

BT-LE(500kbps) **EBW-DTS**

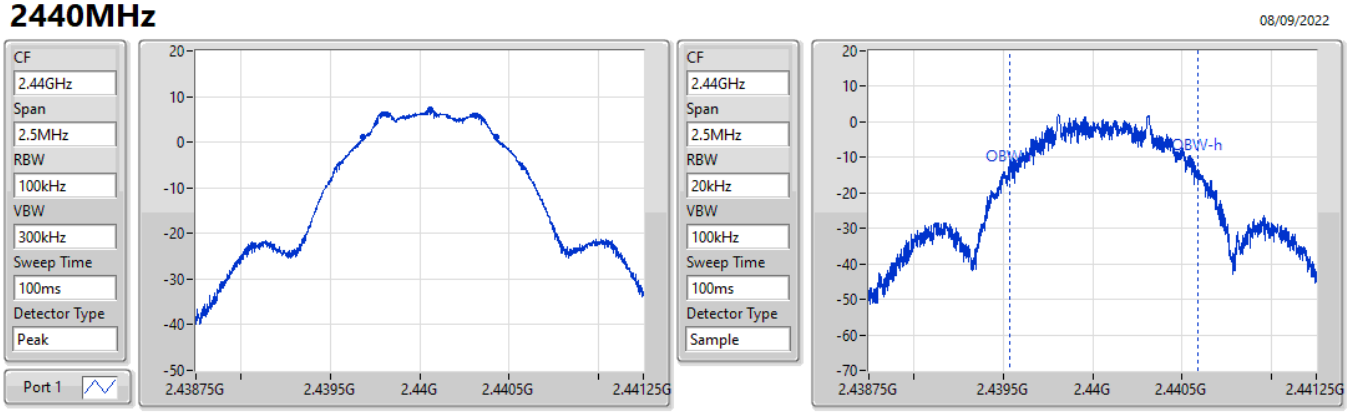
2402MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
691.25k	2.401723G	2.402414G	1.046M	2.401539G	2.402585G	500k	1

BT-LE(500kbps) **EBW-DTS**

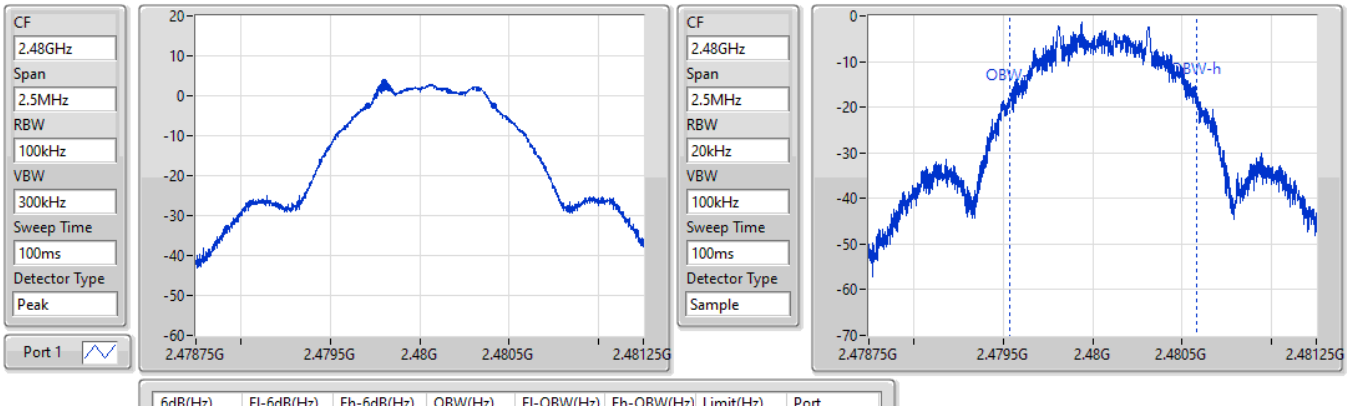
2440MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
740k	2.439685G	2.440425G	1.054M	2.439534G	2.440588G	500k	1

BT-LE(500kbps) **EBW-DTS**

2480MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
703.75k	2.479716G	2.480414G	1.046M	2.479536G	2.480582G	500k	1

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	8.18	0.00658
BT-LE(2Mbps)	8.18	0.00658
BT-LE(125kbps)	8.18	0.00658
BT-LE(500kbps)	8.15	0.00653

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	5.21	6.79	30.00
2440MHz	Pass	5.21	8.18	30.00
2480MHz	Pass	5.21	3.96	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	5.21	6.75	30.00
2440MHz	Pass	5.21	8.18	30.00
2480MHz	Pass	5.21	3.97	30.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	5.21	6.73	30.00
2440MHz	Pass	5.21	8.18	30.00
2480MHz	Pass	5.21	3.95	30.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	5.21	6.72	30.00
2440MHz	Pass	5.21	8.15	30.00
2480MHz	Pass	5.21	3.94	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-4.64
BT-LE(2Mbps)	-8.39
BT-LE(125kbps)	1.90
BT-LE(500kbps)	1.69

RBW = 3kHz;

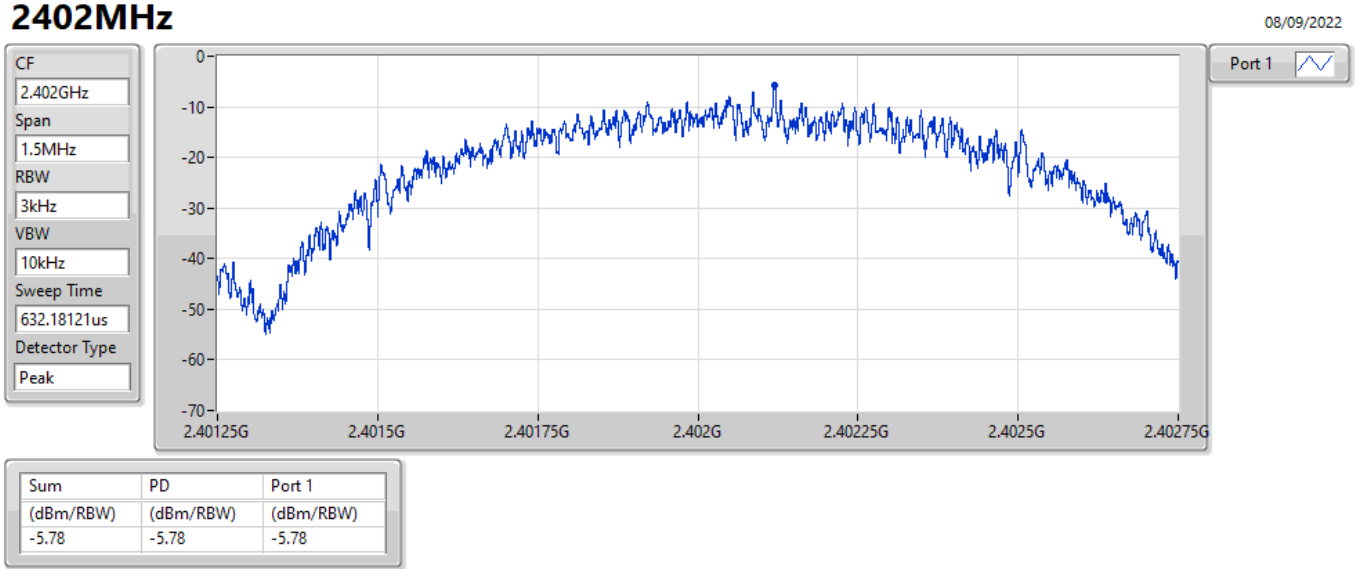
Result

Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	5.21	-5.78	8.00
2440MHz	Pass	5.21	-4.64	8.00
2480MHz	Pass	5.21	-11.45	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	5.21	-9.48	8.00
2440MHz	Pass	5.21	-8.39	8.00
2480MHz	Pass	5.21	-13.35	8.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	5.21	0.31	8.00
2440MHz	Pass	5.21	1.90	8.00
2480MHz	Pass	5.21	-2.43	8.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	5.21	-2.33	8.00
2440MHz	Pass	5.21	1.69	8.00
2480MHz	Pass	5.21	-3.14	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

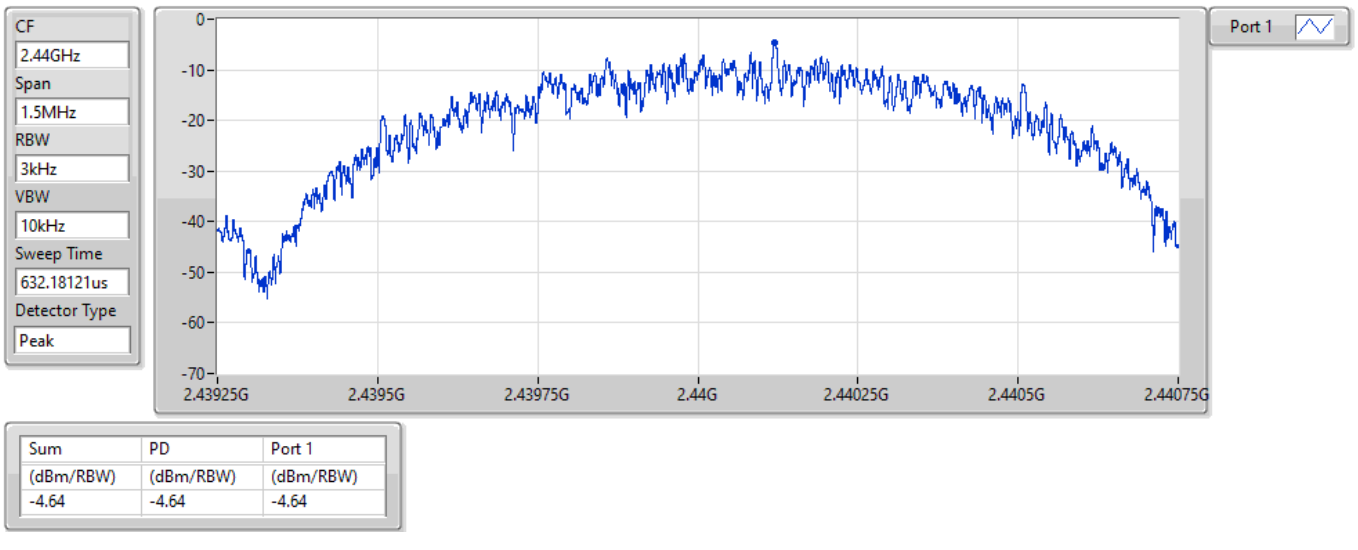
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.78	-5.78	-5.78

BT-LE(1Mbps) PSD

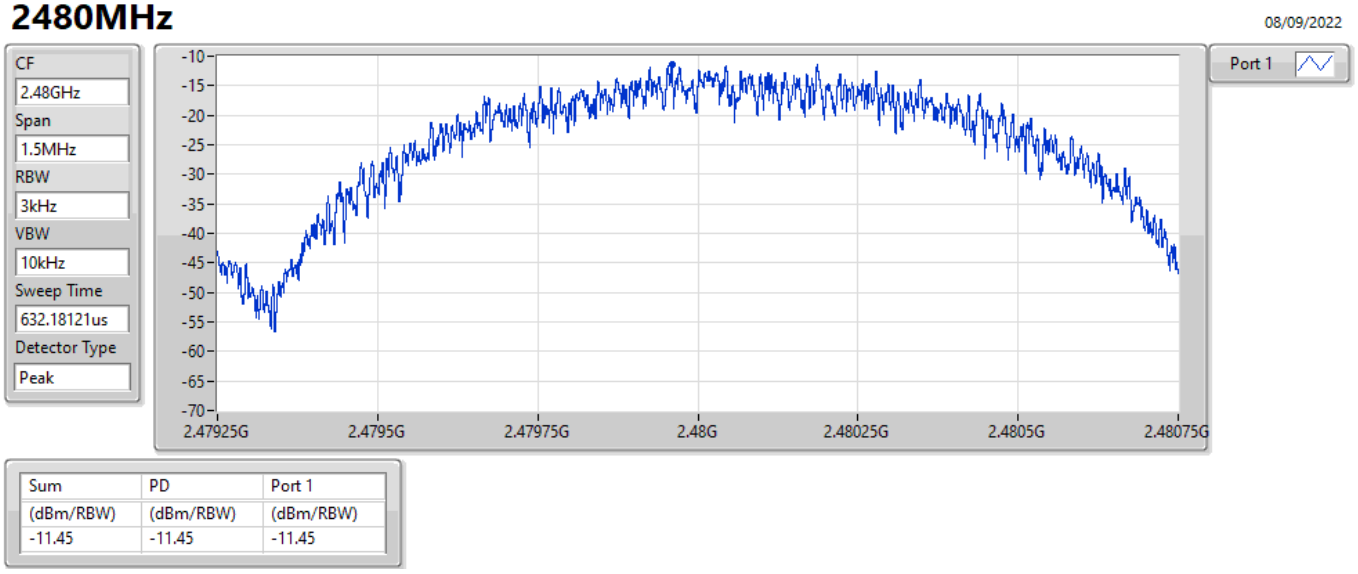
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.64	-4.64	-4.64

BT-LE(1Mbps) PSD

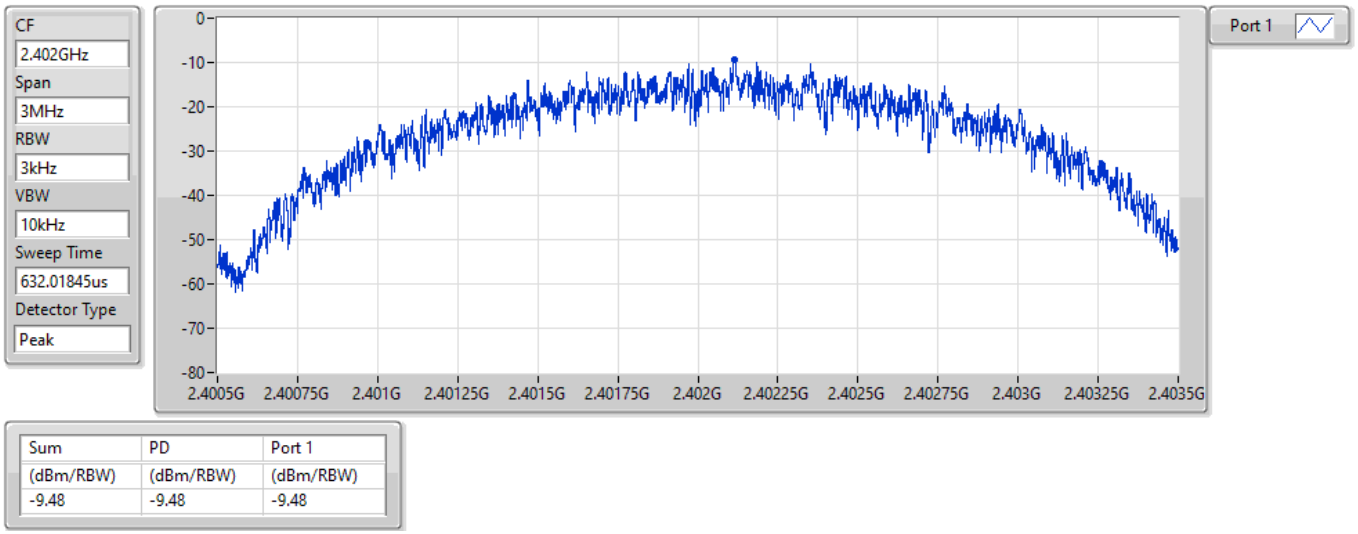
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.45	-11.45	-11.45

BT-LE(2Mbps) PSD

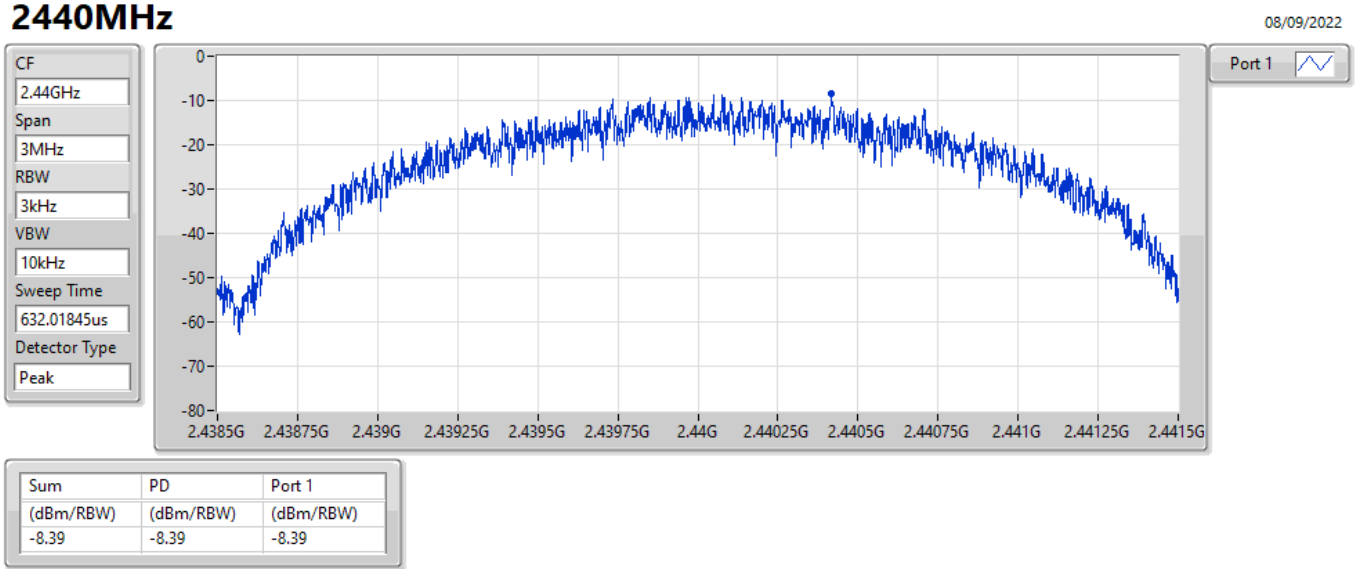
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.48	-9.48	-9.48

BT-LE(2Mbps) PSD

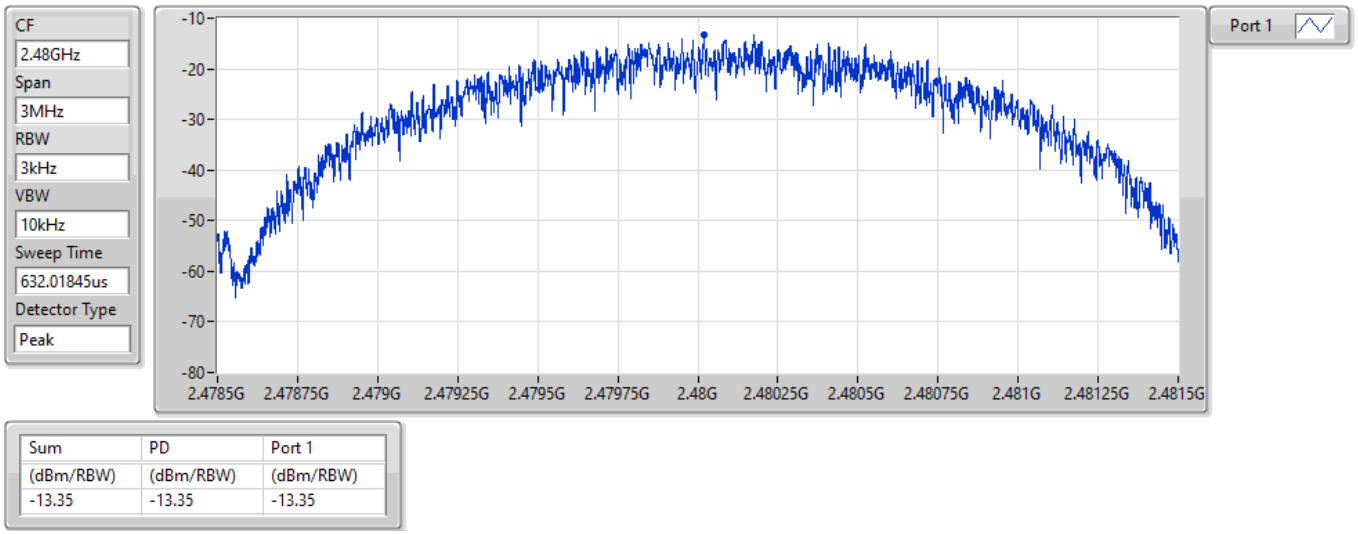
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.39	-8.39	-8.39

BT-LE(2Mbps) PSD

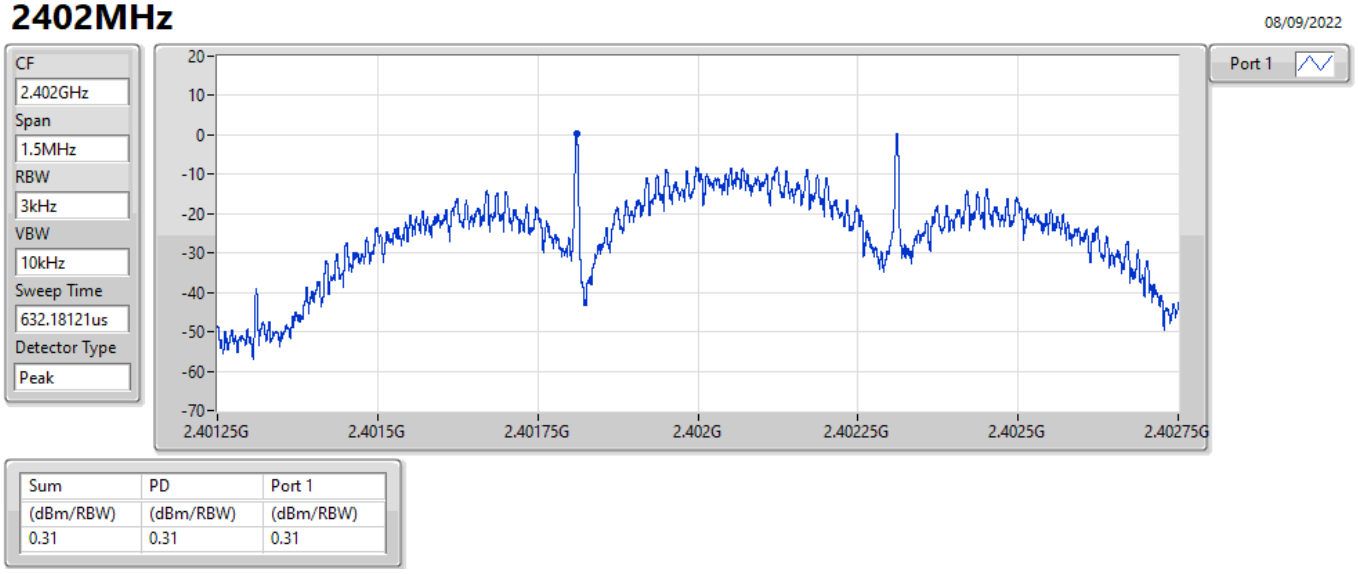
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.35	-13.35	-13.35

BT-LE(125kbps) PSD

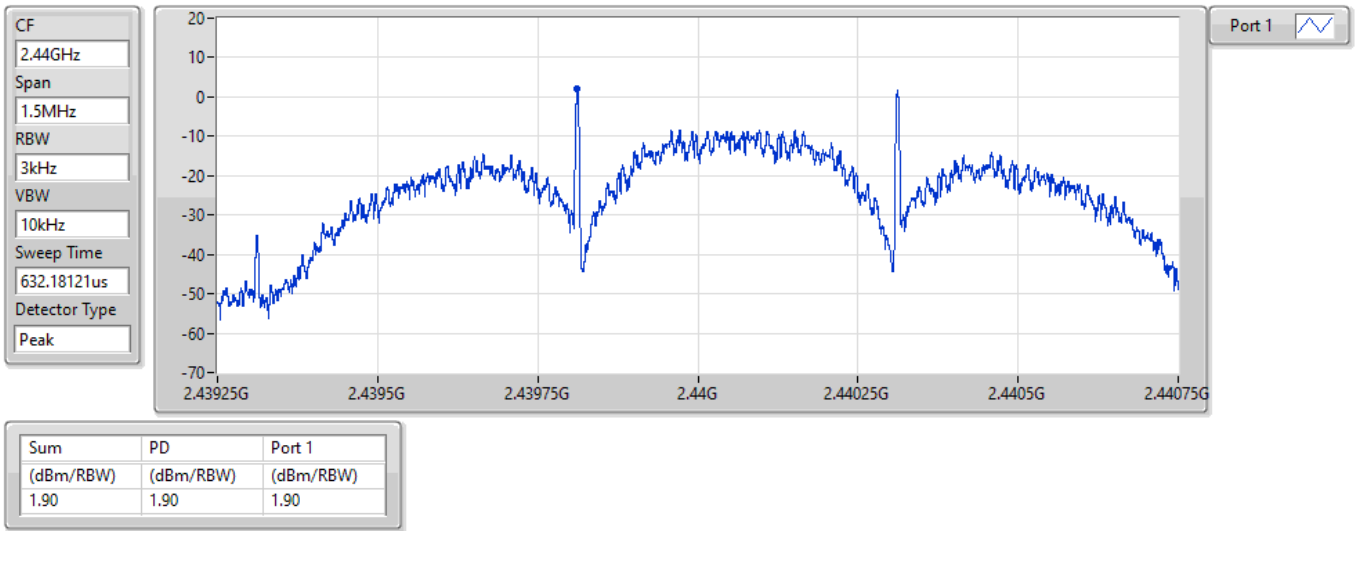
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.31	0.31	0.31

BT-LE(125kbps) PSD

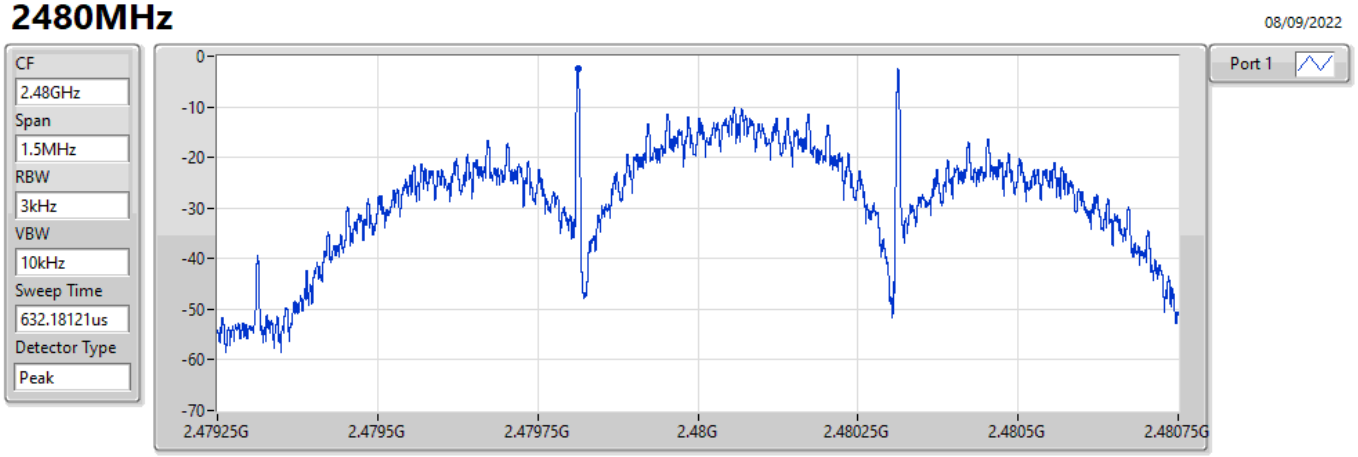
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.90	1.90	1.90

BT-LE(125kbps) PSD

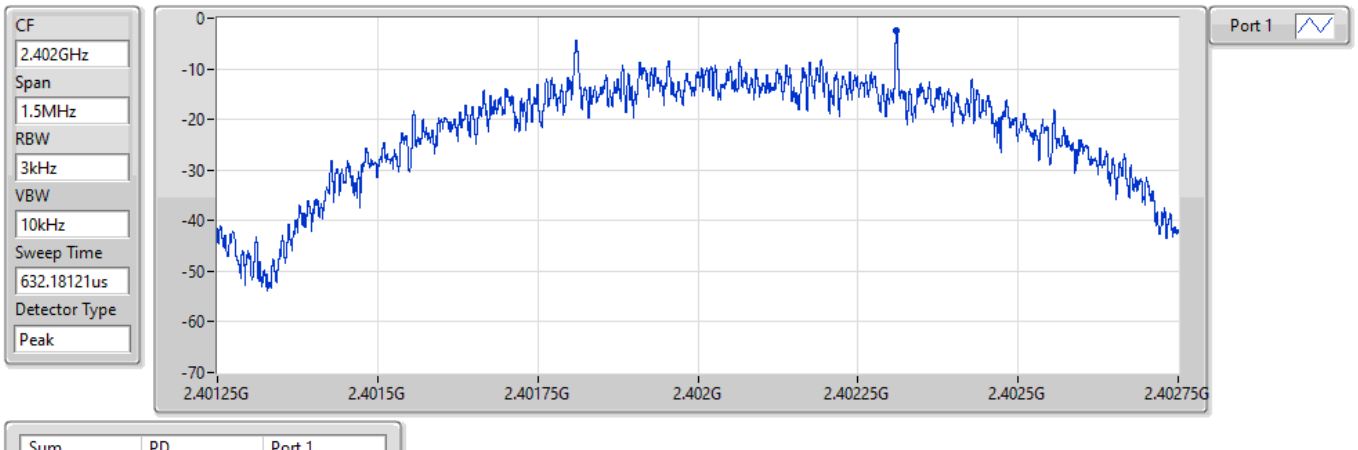
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.43	-2.43	-2.43

BT-LE(500kbps) PSD

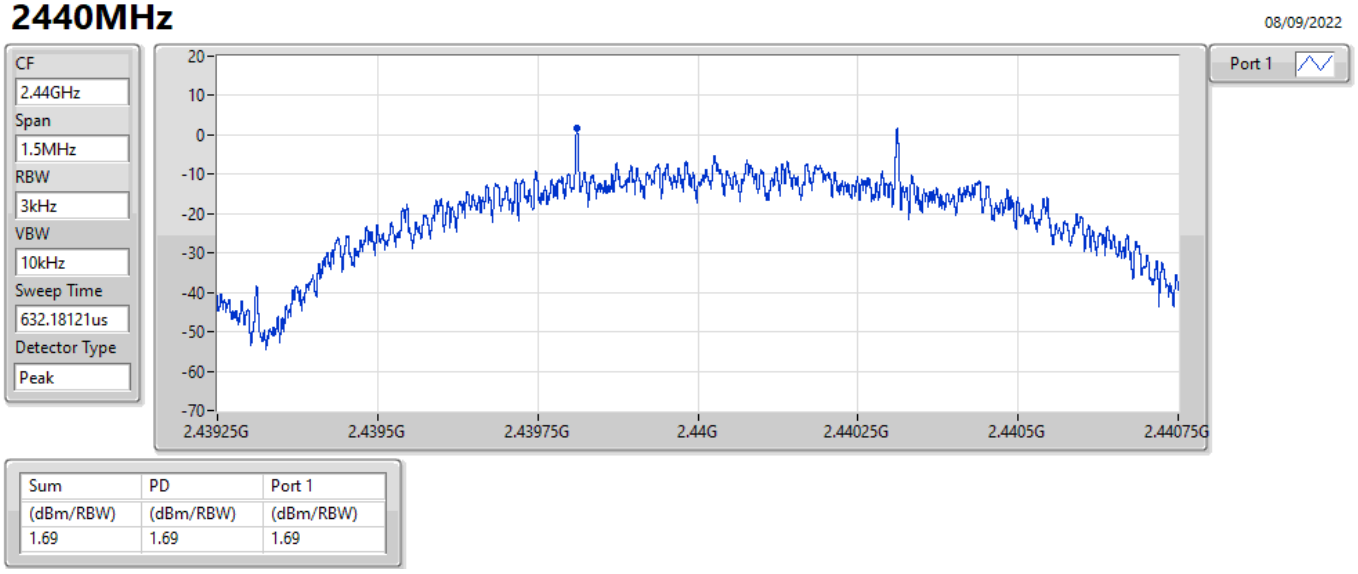
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.33	-2.33	-2.33

BT-LE(500kbps) PSD

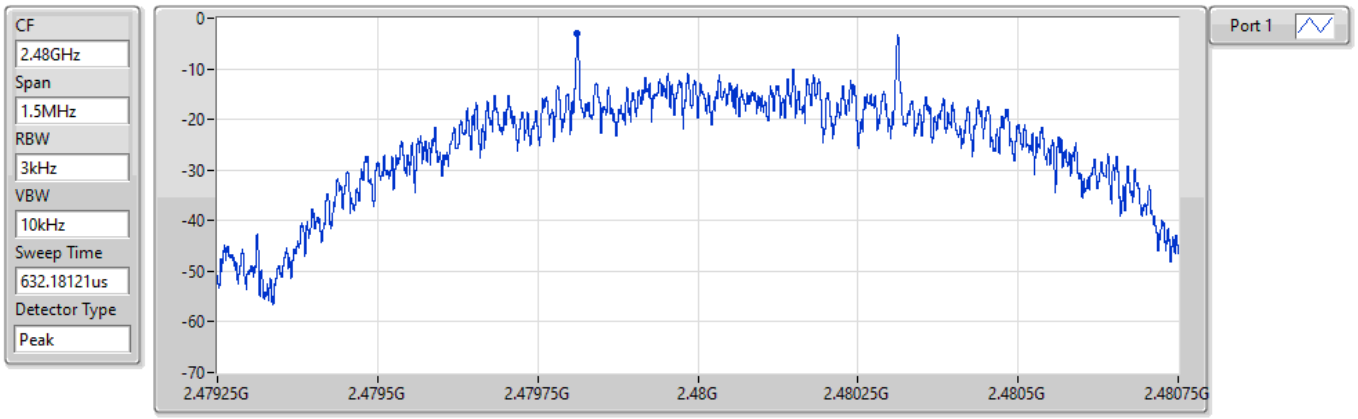
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.69	1.69	1.69

BT-LE(500kbps) PSD

2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.14	-3.14	-3.14

Summary

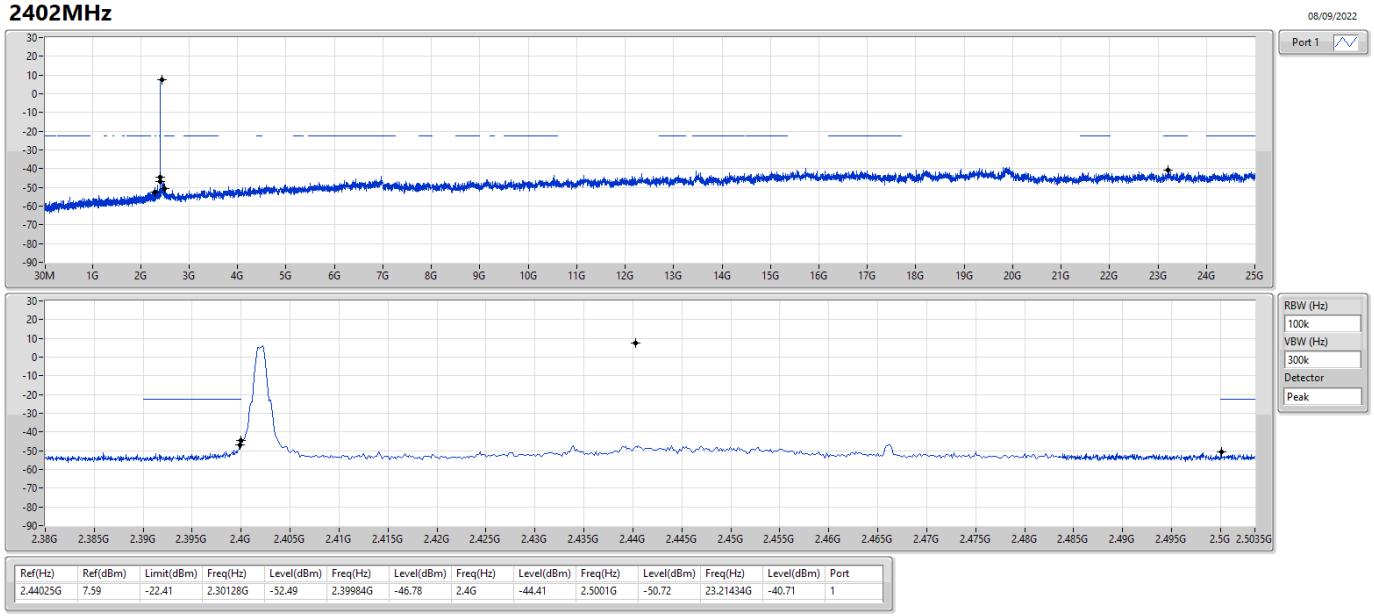
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.44025G	7.59	-22.41	2.30128G	-52.49	2.39984G	-46.78	2.4G	-44.41	2.5001G	-50.72	23.21434G	-40.71	1
BT-LE(2Mbps)	Pass	2.44008G	6.88	-23.12	2.1544G	-52.32	2.4G	-30.80	2.4G	-26.51	2.5019G	-51.16	23.20309G	-40.76	1
BT-LE(125kbps)	Pass	2.43991G	6.05	-23.95	2.1309G	-53.36	2.4G	-45.93	2.4G	-44.73	2.50202G	-51.77	16.33041G	-40.88	1
BT-LE(500kbps)	Pass	2.44008G	6.70	-23.30	2.16733G	-51.46	2.4G	-45.39	2.4G	-44.51	2.5023G	-51.60	14.59256G	-40.66	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	2.44025G	7.59	-22.41	2.30128G	-52.49	2.39984G	-46.78	2.4G	-44.41	2.5001G	-50.72	23.21434G	-40.71	1
2440MHz	Pass	2.44025G	7.59	-22.41	2.0886G	-53.43	2.3936G	-48.96	2.4G	-50.99	2.50158G	-51.35	23.18622G	-41.04	1
2480MHz	Pass	2.44025G	7.59	-22.41	2.14265G	-53.46	2.39124G	-52.04	2.4G	-53.97	2.50182G	-50.30	24.85377G	-41.21	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44008G	6.88	-23.12	2.1544G	-52.32	2.4G	-30.80	2.4G	-26.51	2.5019G	-51.16	23.20309G	-40.76	1
2440MHz	Pass	2.44008G	6.88	-23.12	2.17673G	-52.48	2.39396G	-48.72	2.4G	-51.40	2.50346G	-50.19	15.05092G	-39.93	1
2480MHz	Pass	2.44008G	6.88	-23.12	2.16498G	-53.09	2.3986G	-52.44	2.4G	-53.28	2.50186G	-50.15	23.26496G	-40.65	1
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	6.05	-23.95	2.1309G	-53.36	2.4G	-45.93	2.4G	-44.73	2.50202G	-51.77	16.33041G	-40.88	1
2440MHz	Pass	2.43991G	6.05	-23.95	2.1168G	-52.74	2.39632G	-49.18	2.4G	-50.93	2.50182G	-50.95	24.35604G	-40.48	1
2480MHz	Pass	2.43991G	6.05	-23.95	2.19905G	-52.65	2.39292G	-51.46	2.4G	-52.83	2.50242G	-50.29	17.23308G	-40.97	1
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44008G	6.70	-23.30	2.16733G	-51.46	2.4G	-45.39	2.4G	-44.51	2.5023G	-51.60	14.59256G	-40.66	1
2440MHz	Pass	2.44008G	6.70	-23.30	2.1215G	-52.03	2.39488G	-49.52	2.4G	-51.37	2.50222G	-51.26	23.12998G	-40.87	1
2480MHz	Pass	2.44008G	6.70	-23.30	2.30598G	-52.87	2.39036G	-51.93	2.4G	-54.19	2.50162G	-51.53	23.51804G	-40.65	1

BT-LE(1Mbps) **CSENdB-DTS**

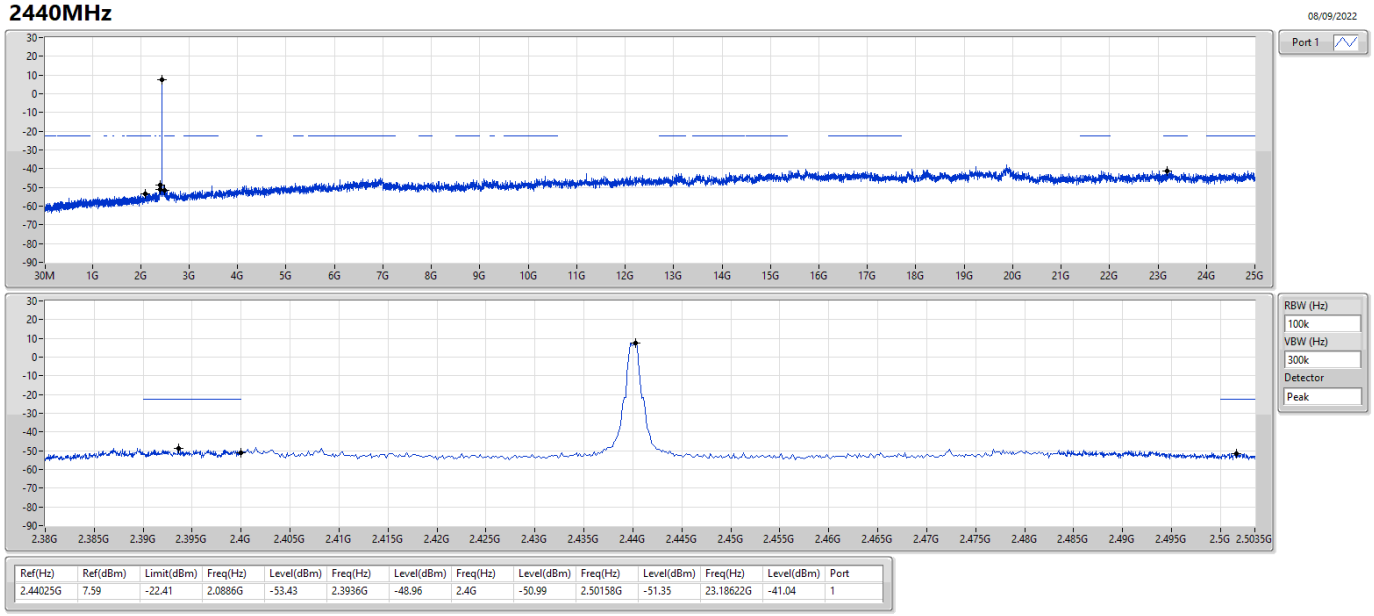
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44025G	7.59	-22.41	2.30128G	-52.49	2.39984G	-46.78	2.4G	-44.41	2.5001G	-50.72	23.21434G	-40.71	1

BT-LE(1Mbps) **CSENdB-DTS**

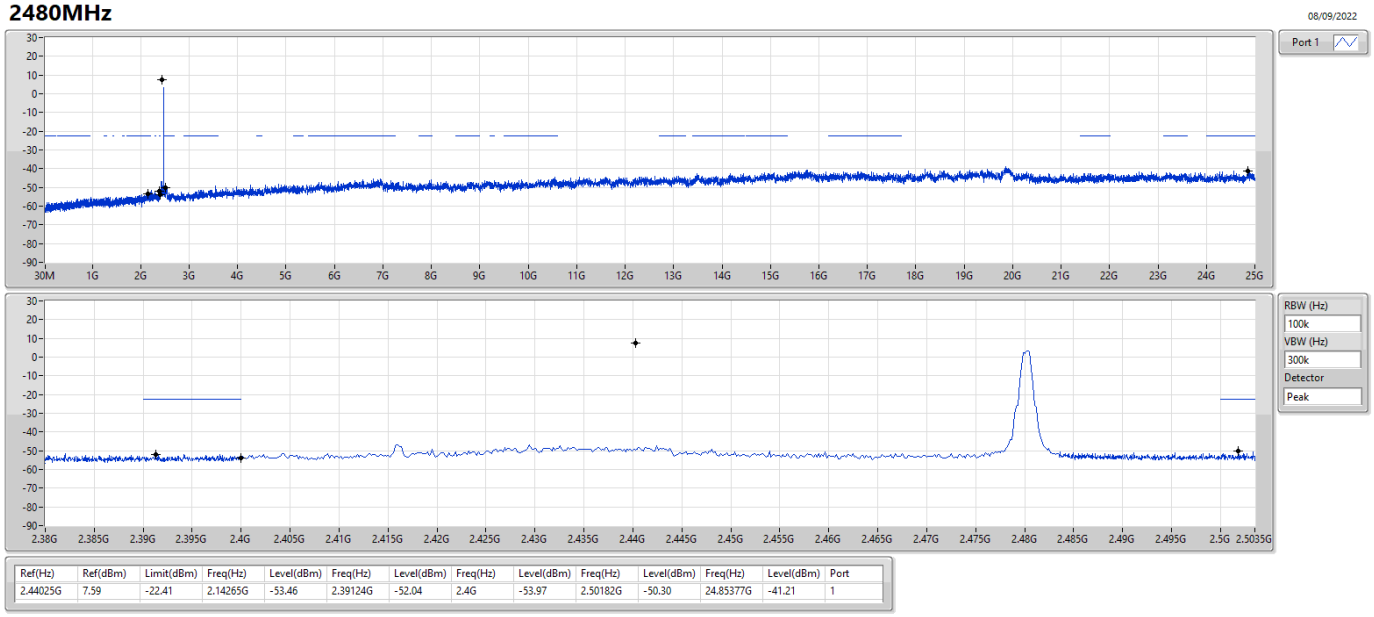
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44025G	7.59	-22.41	2.0886G	-53.43	2.3936G	-48.96	2.4G	-50.99	2.50158G	-51.35	23.18622G	-41.04	1

BT-LE(1Mbps) **CSENdB-DTS**

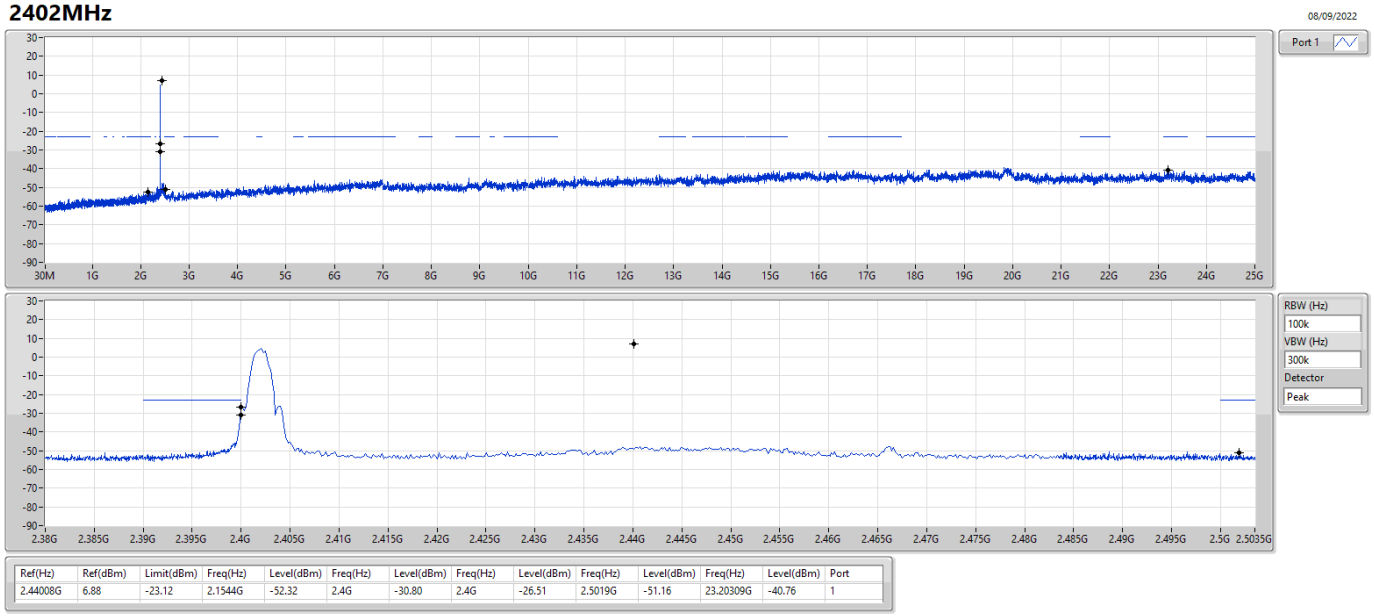
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44025G	7.59	-22.41	2.14265G	-53.46	2.39124G	-52.04	2.4G	-53.97	2.50182G	-50.30	24.85377G	-41.21	1

BT-LE(2Mbps) **CSENdB-DTS**

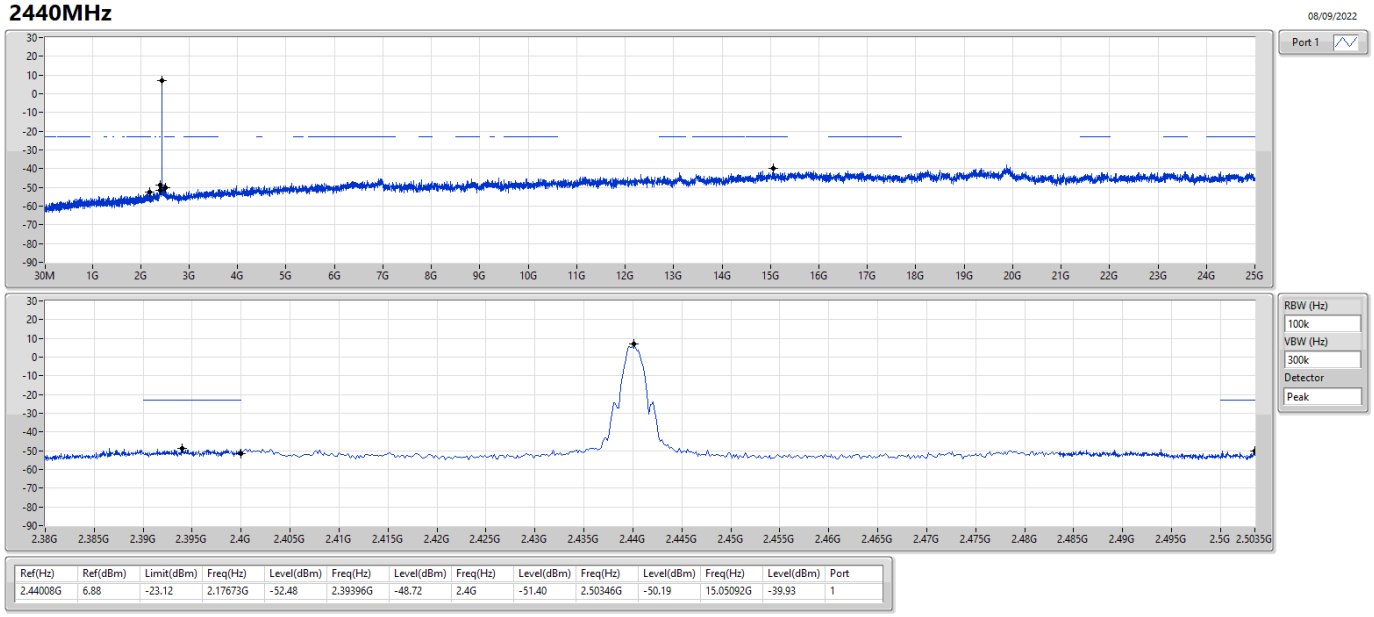
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44008G	6.88	-23.12	2.1544G	-52.32	2.4G	-30.80	2.4G	-26.51	2.5019G	-51.16	23.20309G	-40.76	1

BT-LE(2Mbps) **CSENdB-DTS**

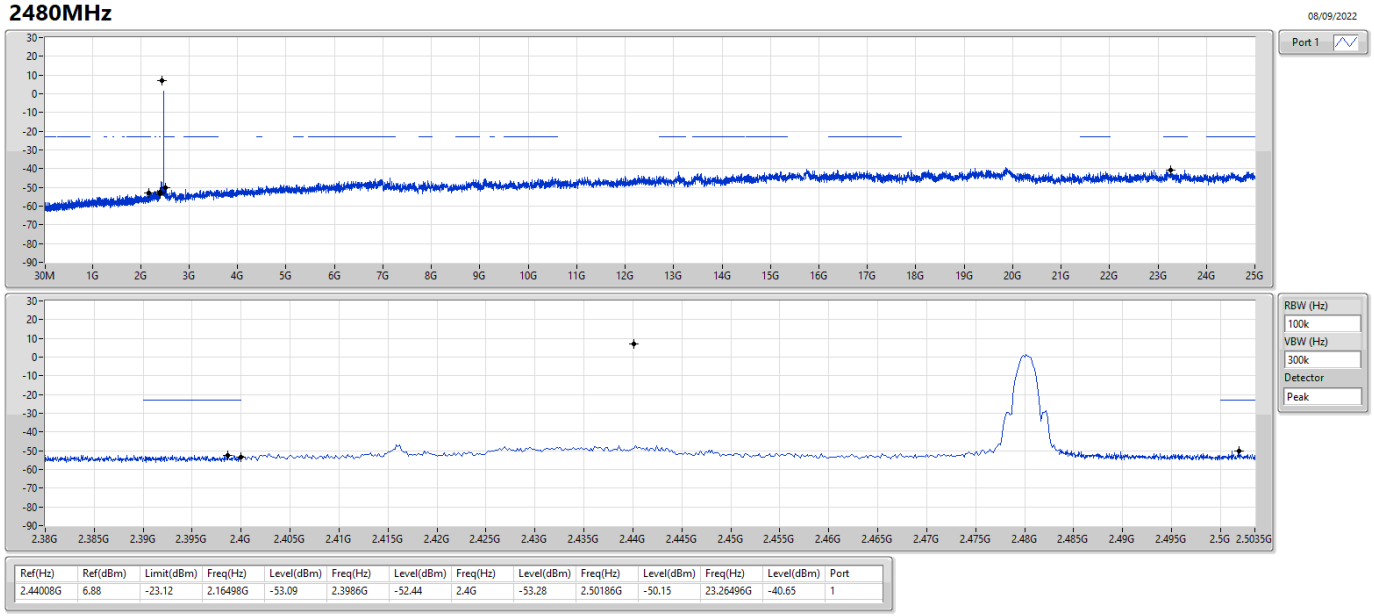
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44008G	6.88	-23.12	2.17673G	-52.48	2.39396G	-48.72	2.4G	-51.40	2.50346G	-50.19	15.05092G	-39.93	1

BT-LE(2Mbps) **CSENdB-DTS**

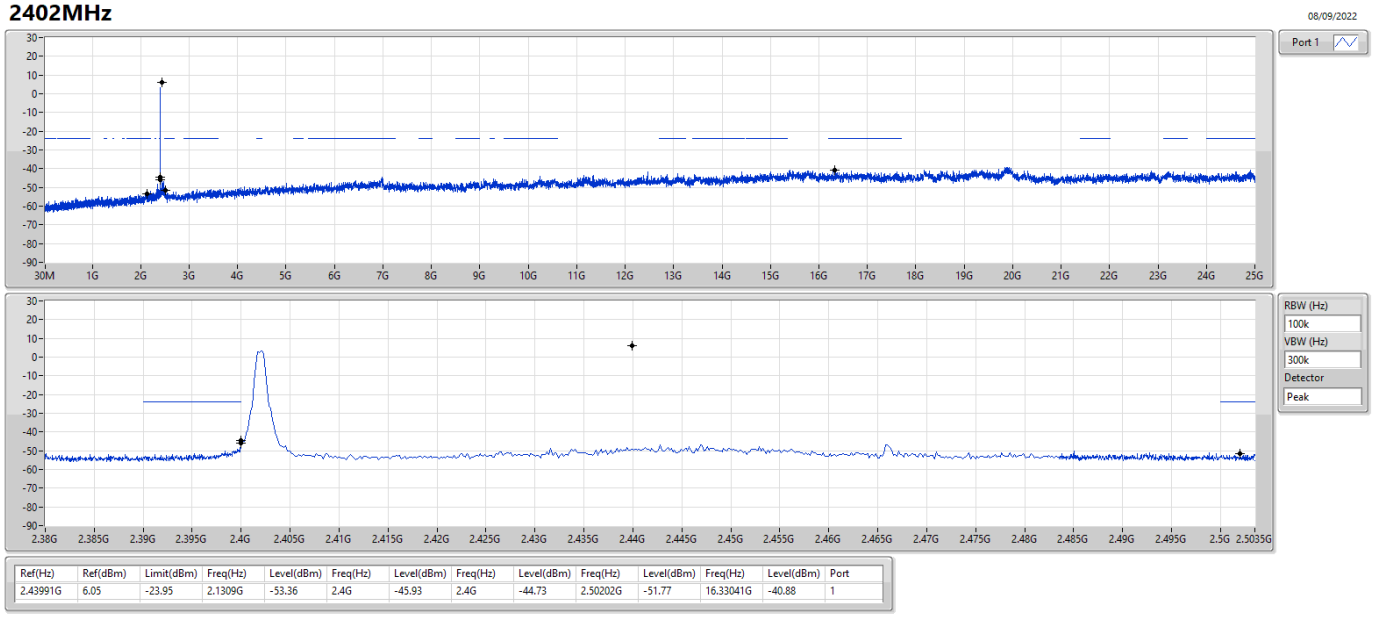
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44008G	6.88	-23.12	2.16498G	-53.09	2.3986G	-52.44	2.4G	-53.28	2.50186G	-50.15	23.26496G	-40.65	1

BT-LE(125kbps) **CSENdB-DTS**

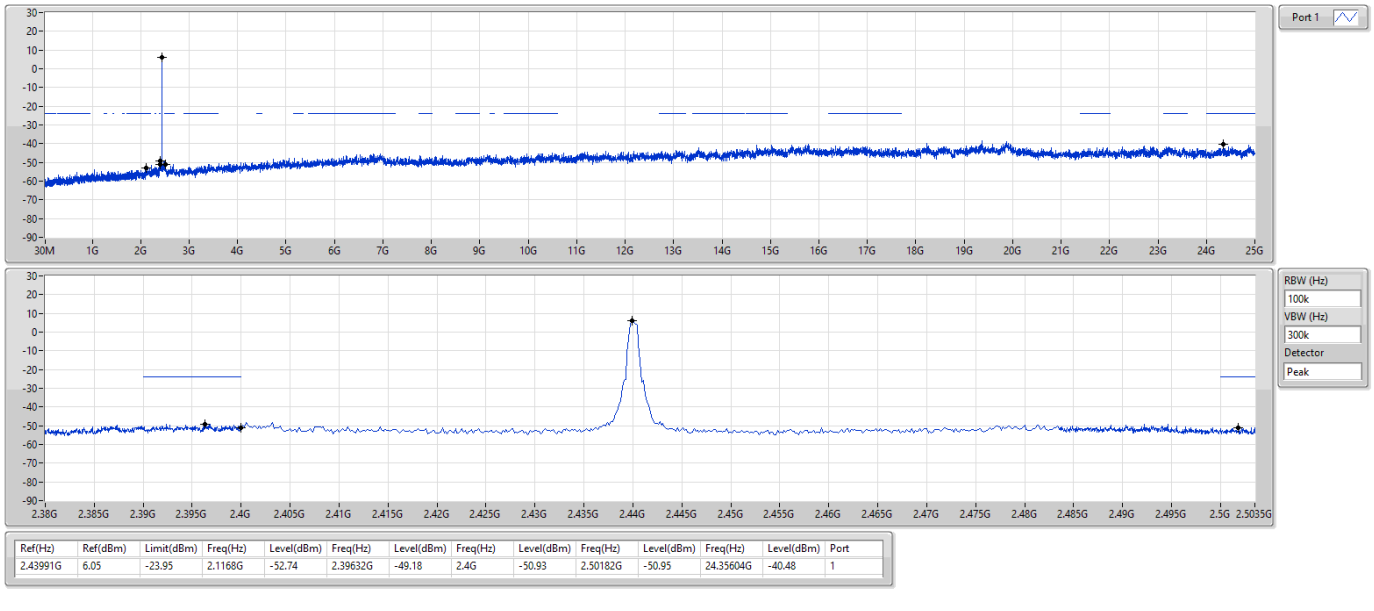
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43991G	6.05	-23.95	2.1309G	-53.36	2.4G	-45.93	2.4G	-44.73	2.50202G	-51.77	16.33041G	-40.88	1

BT-LE(125kbps) **CSENdB-DTS**

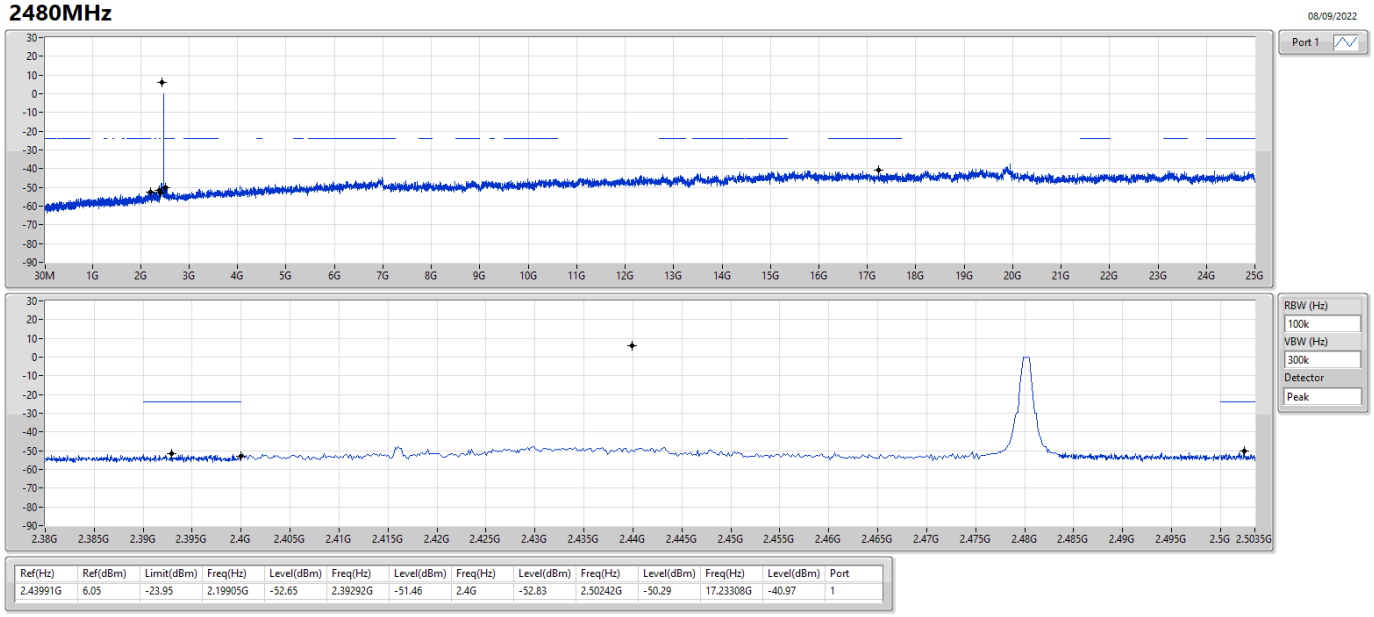
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43991G	6.05	-23.95	2.1168G	-52.74	2.39632G	-49.18	2.4G	-50.93	2.50182G	-50.95	24.35604G	-40.48	1

BT-LE(125kbps) **CSENdB-DTS**

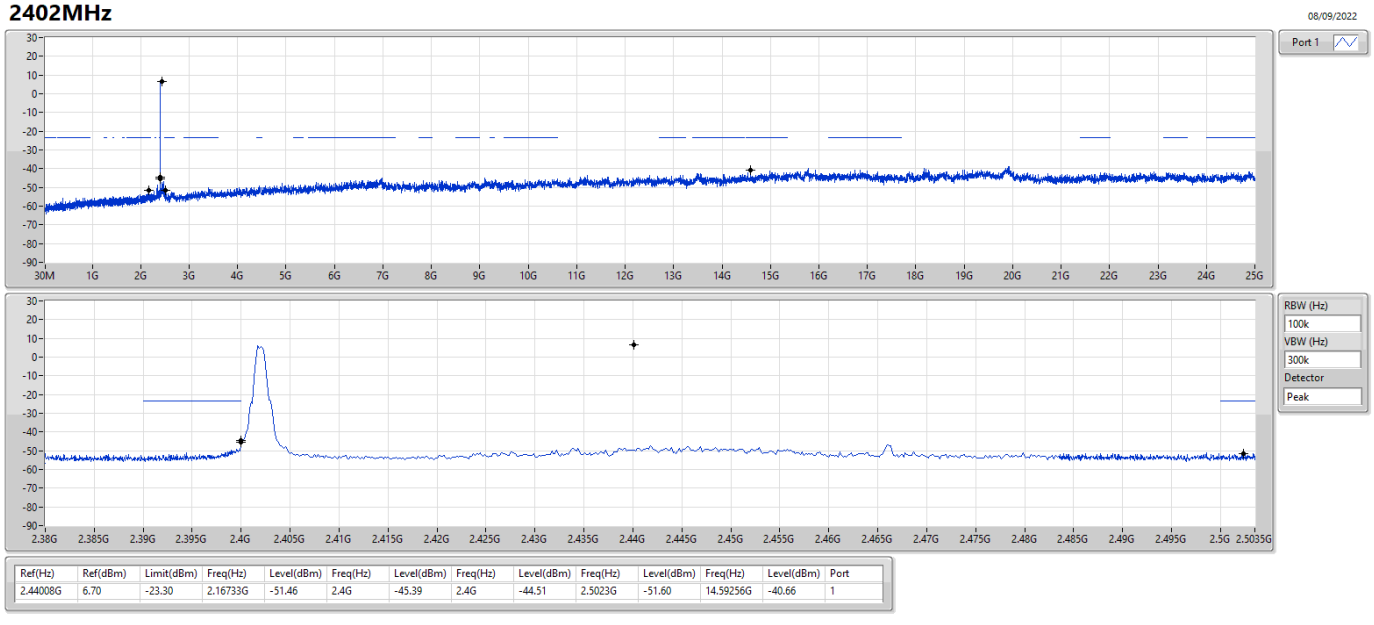
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43991G	6.05	-23.95	2.19905G	-52.65	2.39292G	-51.46	2.4G	-52.83	2.50242G	-50.29	17.23308G	-40.97	1

BT-LE(500kbps) **CSENdB-DTS**

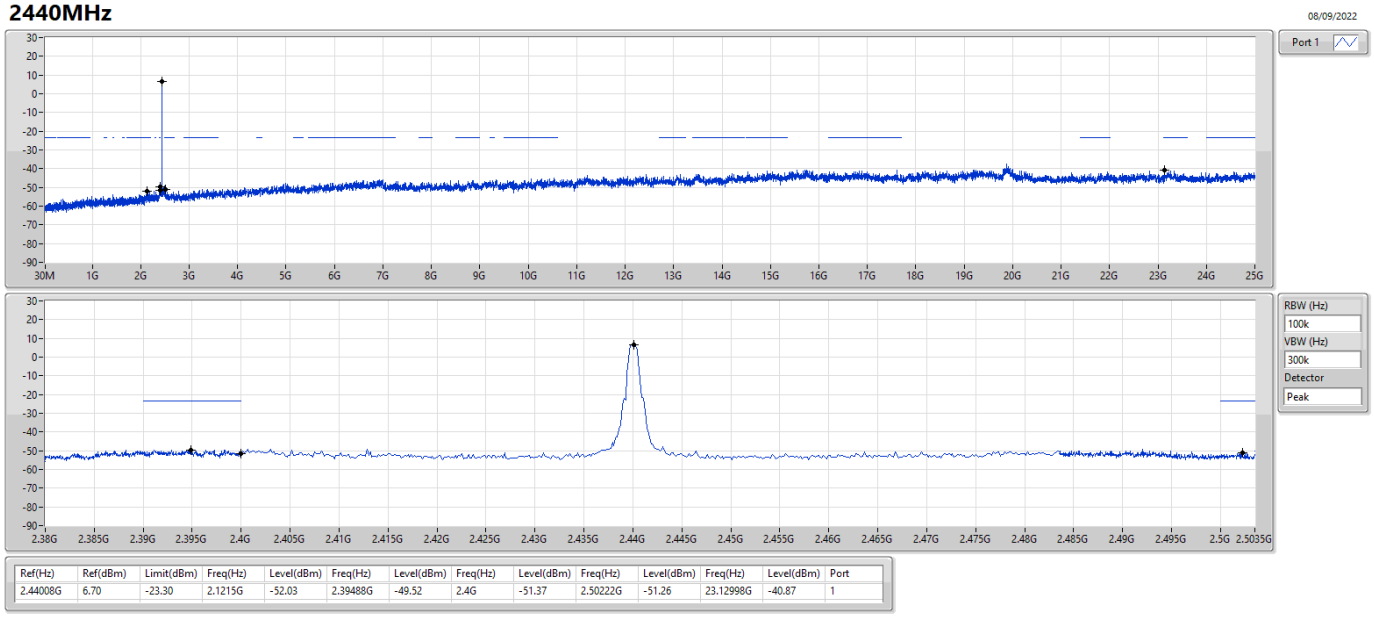
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44008G	6.70	-23.30	2.16733G	-51.46	2.4G	-45.39	2.4G	-44.51	2.5023G	-51.60	14.59256G	-40.66	1

BT-LE(500kbps) **CSENdB-DTS**

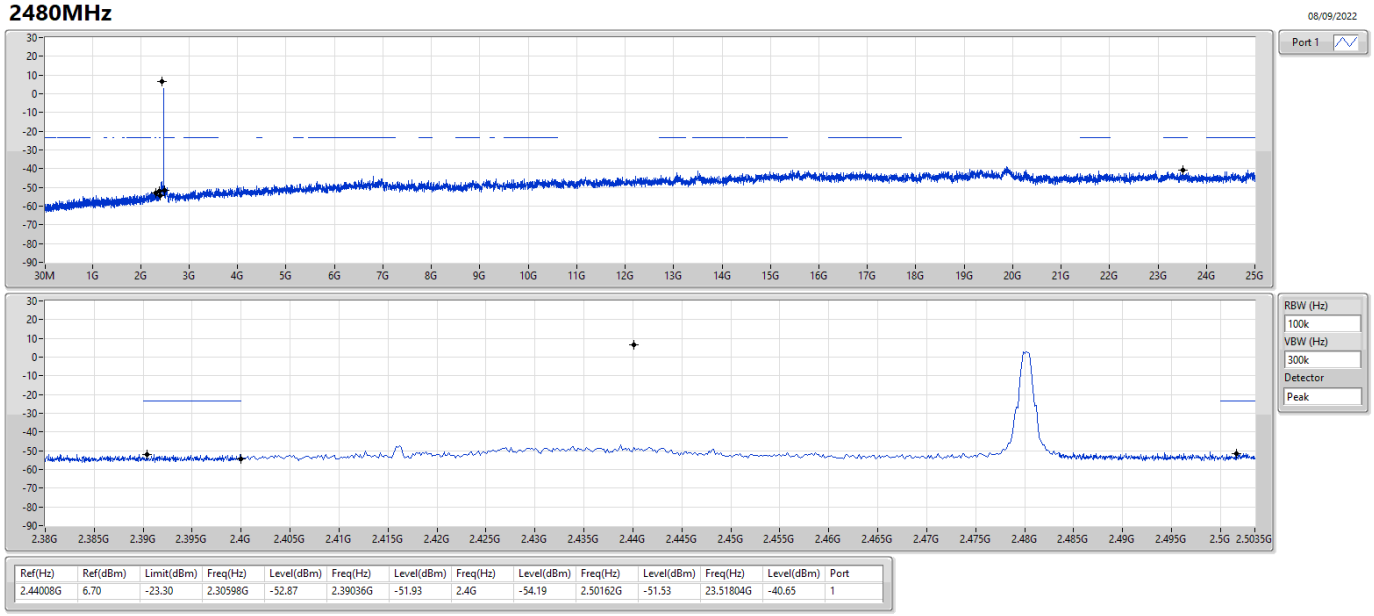
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44008G	6.70	-23.30	2.1215G	-52.03	2.39488G	-49.52	2.4G	-51.37	2.50222G	-51.26	23.12998G	-40.87	1

BT-LE(500kbps) **CSENdB-DTS**

2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44008G	6.70	-23.30	2.30598G	-52.87	2.39036G	-51.93	2.4G	-54.19	2.50162G	-51.53	23.51804G	-40.65	1

Summary

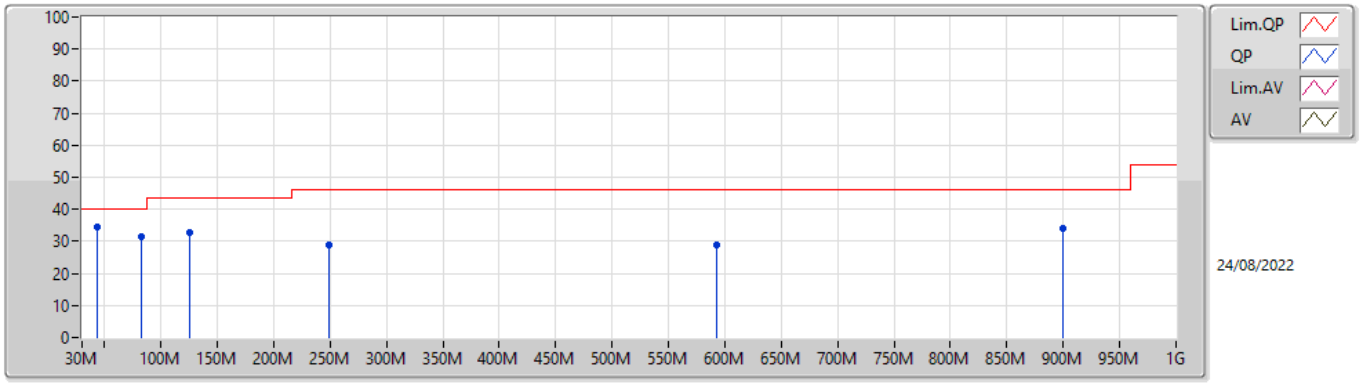
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	43.58M	34.29	40.00	-5.71	3	Vertical	0	1.00	-

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	43.58M	34.29	40.00	-5.71	3	Vertical	0	1.00	-
2440MHz	Pass	PK	82.38M	31.26	40.00	-8.74	3	Vertical	0	1.00	-
2440MHz	Pass	PK	125.06M	32.79	43.50	-10.71	3	Vertical	0	1.00	-
2440MHz	Pass	PK	249.22M	29.05	46.00	-16.95	3	Vertical	0	1.00	-
2440MHz	Pass	PK	592.6M	29.07	46.00	-16.93	3	Vertical	0	1.00	-
2440MHz	Pass	PK	899.12M	33.92	46.00	-12.08	3	Vertical	0	1.00	-
2440MHz	Pass	PK	72.68M	25.55	40.00	-14.45	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	88M	29.64	40.00	-10.36	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	125.06M	26.79	43.50	-16.71	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	214.3M	24.55	43.50	-18.95	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	350.1M	32.89	46.00	-13.11	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	365.62M	30.91	46.00	-15.09	3	Horizontal	360	1.00	-

BT-LE(2Mbps)

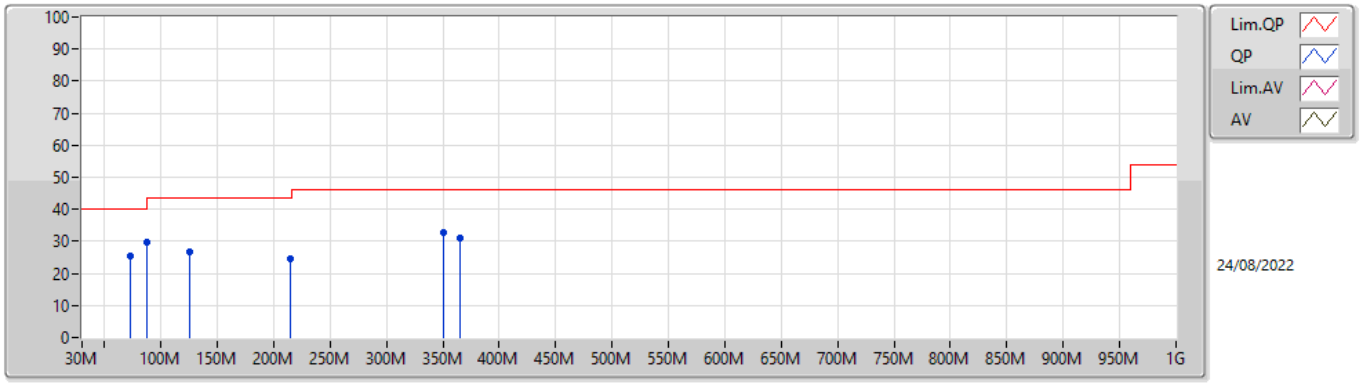
2440MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	43.58M	34.29	40.00	-5.71	-10.56	3	Vertical	0	1.00	-	44.85	15.90	1.06	27.52
PK	82.38M	31.26	40.00	-8.74	-13.82	3	Vertical	0	1.00	-	45.08	12.14	1.47	27.43
PK	125.06M	32.79	43.50	-10.71	-8.12	3	Vertical	0	1.00	-	40.91	17.30	1.84	27.26
PK	249.22M	29.05	46.00	-16.95	-6.61	3	Vertical	0	1.00	-	35.66	17.44	2.63	26.68
PK	592.6M	29.07	46.00	-16.93	-0.04	3	Vertical	0	1.00	-	29.11	23.75	4.17	27.96
PK	899.12M	33.92	46.00	-12.08	3.24	3	Vertical	0	1.00	-	30.68	25.54	5.26	27.56

BT-LE(2Mbps)

2440MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	72.68M	25.55	40.00	-14.45	-14.81	3	Horizontal	360	1.00	-	40.36	11.26	1.38	27.45
PK	88M	29.64	40.00	-10.36	-12.51	3	Horizontal	360	1.00	-	42.15	13.37	1.52	27.40
PK	125.06M	26.79	43.50	-16.71	-8.12	3	Horizontal	360	1.00	-	34.91	17.30	1.84	27.26
PK	214.3M	24.55	43.50	-18.95	-10.51	3	Horizontal	360	1.00	-	35.06	13.89	2.43	26.83
PK	350.1M	32.89	46.00	-13.11	-4.23	3	Horizontal	360	1.00	-	37.12	19.49	3.14	26.86
PK	365.62M	30.91	46.00	-15.09	-3.86	3	Horizontal	360	1.00	-	34.77	19.89	3.21	26.96

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	2.376G	52.75	54.00	-1.25	3	Vertical	47	1.31	-
BT-LE(2Mbps)	Pass	AV	2.4835G	51.60	54.00	-2.40	3	Vertical	31	1.75	-
BT-LE(125kbps)	Pass	AV	2.376G	52.21	54.00	-1.79	3	Vertical	47	1.30	-
BT-LE(500kbps)	Pass	AV	2.376G	52.35	54.00	-1.65	3	Vertical	47	1.30	-

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	2.3626G	50.02	54.00	-3.98	3	Vertical	41	1.48	-
2402MHz	Pass	AV	2.402G	105.05	Inf	-Inf	3	Vertical	41	1.48	-
2402MHz	Pass	PK	2.3634G	62.03	74.00	-11.97	3	Vertical	41	1.48	-
2402MHz	Pass	PK	2.4024G	106.03	Inf	-Inf	3	Vertical	41	1.48	-
2402MHz	Pass	AV	2.354G	47.13	54.00	-6.87	3	Horizontal	50	1.20	-
2402MHz	Pass	AV	2.402G	96.75	Inf	-Inf	3	Horizontal	50	1.20	-
2402MHz	Pass	PK	2.3554G	59.12	74.00	-14.88	3	Horizontal	50	1.20	-
2402MHz	Pass	PK	2.4018G	97.77	Inf	-Inf	3	Horizontal	50	1.20	-
2402MHz	Pass	AV	4.80154G	31.66	54.00	-22.34	3	Vertical	20	2.22	-
2402MHz	Pass	PK	4.80425G	43.66	74.00	-30.34	3	Vertical	20	2.22	-
2402MHz	Pass	AV	4.80397G	32.22	54.00	-21.78	3	Horizontal	131	1.31	-
2402MHz	Pass	PK	4.80351G	44.41	74.00	-29.59	3	Horizontal	131	1.31	-
2440MHz	Pass	AV	2.376G	52.75	54.00	-1.25	3	Vertical	47	1.31	-
2440MHz	Pass	AV	2.44G	104.81	Inf	-Inf	3	Vertical	47	1.31	-
2440MHz	Pass	AV	2.4835G	50.17	54.00	-3.83	3	Vertical	47	1.31	-
2440MHz	Pass	PK	2.3884G	60.43	74.00	-13.57	3	Vertical	47	1.31	-
2440MHz	Pass	PK	2.4404G	105.64	Inf	-Inf	3	Vertical	47	1.31	-
2440MHz	Pass	PK	2.4968G	61.20	74.00	-12.80	3	Vertical	47	1.31	-
2440MHz	Pass	AV	2.3756G	47.59	54.00	-6.41	3	Horizontal	61	1.55	-
2440MHz	Pass	AV	2.44G	95.02	Inf	-Inf	3	Horizontal	61	1.55	-
2440MHz	Pass	AV	2.486G	48.25	54.00	-5.75	3	Horizontal	61	1.55	-
2440MHz	Pass	PK	2.3424G	59.16	74.00	-14.84	3	Horizontal	61	1.55	-
2440MHz	Pass	PK	2.44G	95.88	Inf	-Inf	3	Horizontal	61	1.55	-
2440MHz	Pass	PK	2.4976G	59.47	74.00	-14.53	3	Horizontal	61	1.55	-
2440MHz	Pass	AV	4.88045G	33.67	54.00	-20.33	3	Vertical	50	1.64	-
2440MHz	Pass	AV	7.3197G	40.12	54.00	-13.88	3	Vertical	93	2.33	-
2440MHz	Pass	PK	4.88045G	45.45	74.00	-28.55	3	Vertical	50	1.64	-
2440MHz	Pass	PK	7.3197G	51.68	74.00	-22.32	3	Vertical	93	2.33	-
2440MHz	Pass	AV	4.87972G	32.39	54.00	-21.61	3	Horizontal	63	1.50	-
2440MHz	Pass	AV	7.3211G	42.26	54.00	-11.74	3	Horizontal	322	2.27	-
2440MHz	Pass	PK	4.87972G	44.53	74.00	-29.47	3	Horizontal	63	1.50	-
2440MHz	Pass	PK	7.3211G	53.13	74.00	-20.87	3	Horizontal	322	2.27	-
2480MHz	Pass	AV	2.48G	104.53	Inf	-Inf	3	Vertical	31	1.75	-
2480MHz	Pass	AV	2.4835G	48.71	54.00	-5.29	3	Vertical	31	1.75	-
2480MHz	Pass	PK	2.4804G	105.52	Inf	-Inf	3	Vertical	31	1.75	-
2480MHz	Pass	PK	2.4838G	60.48	74.00	-13.52	3	Vertical	31	1.75	-
2480MHz	Pass	AV	2.48G	93.94	Inf	-Inf	3	Horizontal	64	1.56	-
2480MHz	Pass	AV	2.4992G	47.54	54.00	-6.46	3	Horizontal	64	1.56	-
2480MHz	Pass	PK	2.4804G	94.97	Inf	-Inf	3	Horizontal	64	1.56	-
2480MHz	Pass	PK	2.489G	59.63	74.00	-14.37	3	Horizontal	64	1.56	-
2480MHz	Pass	AV	4.96071G	35.16	54.00	-18.84	3	Vertical	351	1.76	-
2480MHz	Pass	AV	7.43933G	38.54	54.00	-15.46	3	Vertical	130	2.73	-
2480MHz	Pass	PK	4.96071G	46.25	74.00	-27.75	3	Vertical	351	1.76	-
2480MHz	Pass	PK	7.43933G	51.60	74.00	-22.40	3	Vertical	130	2.73	-
2480MHz	Pass	AV	4.96013G	33.82	54.00	-20.18	3	Horizontal	331	2.46	-
2480MHz	Pass	AV	7.43937G	43.75	54.00	-10.25	3	Horizontal	277	2.46	-
2480MHz	Pass	PK	4.96013G	45.97	74.00	-28.03	3	Horizontal	331	2.46	-
2480MHz	Pass	PK	7.43937G	53.64	74.00	-20.36	3	Horizontal	277	2.46	-
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.363G	49.66	54.00	-4.34	3	Vertical	39	2.56	-
2402MHz	Pass	AV	2.402G	103.93	Inf	-Inf	3	Vertical	39	2.56	-
2402MHz	Pass	PK	2.364G	61.62	74.00	-12.38	3	Vertical	39	2.56	-
2402MHz	Pass	PK	2.4016G	106.33	Inf	-Inf	3	Vertical	39	2.56	-
2402MHz	Pass	AV	2.3548G	47.12	54.00	-6.88	3	Horizontal	50	1.48	-
2402MHz	Pass	AV	2.402G	95.54	Inf	-Inf	3	Horizontal	50	1.48	-
2402MHz	Pass	PK	2.3616G	59.52	74.00	-14.48	3	Horizontal	50	1.48	-
2402MHz	Pass	PK	2.4016G	97.98	Inf	-Inf	3	Horizontal	50	1.48	-
2402MHz	Pass	AV	4.80324G	33.78	54.00	-20.22	3	Vertical	40	1.50	-
2402MHz	Pass	PK	4.80499G	46.26	74.00	-27.74	3	Vertical	40	1.50	-
2402MHz	Pass	AV	4.80508G	31.84	54.00	-22.16	3	Horizontal	346	2.52	-

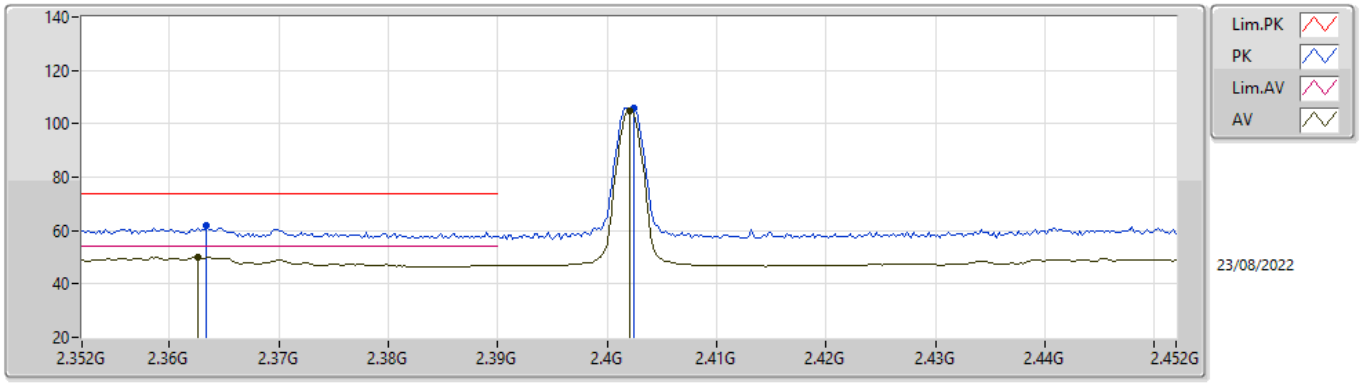
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2402MHz	Pass	PK	4.80557G	44.00	74.00	-30.00	3	Horizontal	346	2.52	-
2440MHz	Pass	AV	2.376G	51.34	54.00	-2.66	3	Vertical	47	1.30	-
2440MHz	Pass	AV	2.44G	103.19	Inf	-Inf	3	Vertical	47	1.30	-
2440MHz	Pass	AV	2.4848G	49.59	54.00	-4.41	3	Vertical	47	1.30	-
2440MHz	Pass	PK	2.3768G	60.70	74.00	-13.30	3	Vertical	47	1.30	-
2440MHz	Pass	PK	2.4404G	105.63	Inf	-Inf	3	Vertical	47	1.30	-
2440MHz	Pass	PK	2.4908G	62.05	74.00	-11.95	3	Vertical	47	1.30	-
2440MHz	Pass	AV	2.376G	47.11	54.00	-6.89	3	Horizontal	61	1.55	-
2440MHz	Pass	AV	2.44G	93.44	Inf	-Inf	3	Horizontal	61	1.55	-
2440MHz	Pass	AV	2.4976G	47.53	54.00	-6.47	3	Horizontal	61	1.55	-
2440MHz	Pass	PK	2.386G	58.76	74.00	-15.24	3	Horizontal	61	1.55	-
2440MHz	Pass	PK	2.4404G	95.95	Inf	-Inf	3	Horizontal	61	1.55	-
2440MHz	Pass	PK	2.4948G	61.19	74.00	-12.81	3	Horizontal	61	1.55	-
2440MHz	Pass	AV	4.88112G	33.10	54.00	-20.90	3	Vertical	19	1.50	-
2440MHz	Pass	AV	7.31893G	38.97	54.00	-15.03	3	Vertical	14	3.00	-
2440MHz	Pass	PK	4.88112G	44.76	74.00	-29.24	3	Vertical	19	1.50	-
2440MHz	Pass	PK	7.32183G	50.79	74.00	-23.21	3	Vertical	14	3.00	-
2440MHz	Pass	AV	4.88145G	32.49	54.00	-21.51	3	Horizontal	138	2.92	-
2440MHz	Pass	AV	7.32155G	43.98	54.00	-10.02	3	Horizontal	228	2.57	-
2440MHz	Pass	PK	4.87873G	44.46	74.00	-29.54	3	Horizontal	138	2.92	-
2440MHz	Pass	PK	7.32155G	54.34	74.00	-19.66	3	Horizontal	228	2.57	-
2480MHz	Pass	AV	2.48G	103.05	Inf	-Inf	3	Vertical	31	1.75	-
2480MHz	Pass	AV	2.4835G	51.60	54.00	-2.40	3	Vertical	31	1.75	-
2480MHz	Pass	PK	2.4806G	105.54	Inf	-Inf	3	Vertical	31	1.75	-
2480MHz	Pass	PK	2.4835G	62.23	74.00	-11.77	3	Vertical	31	1.75	-
2480MHz	Pass	AV	2.48G	92.44	Inf	-Inf	3	Horizontal	63	1.56	-
2480MHz	Pass	AV	2.4835G	47.74	54.00	-6.26	3	Horizontal	63	1.56	-
2480MHz	Pass	PK	2.4796G	94.95	Inf	-Inf	3	Horizontal	63	1.56	-
2480MHz	Pass	PK	2.4944G	60.10	74.00	-13.90	3	Horizontal	63	1.56	-
2480MHz	Pass	AV	4.96108G	34.22	54.00	-19.78	3	Vertical	22	1.44	-
2480MHz	Pass	AV	7.44024G	38.22	54.00	-15.78	3	Vertical	15	1.26	-
2480MHz	Pass	PK	4.96108G	46.37	74.00	-27.63	3	Vertical	22	1.44	-
2480MHz	Pass	PK	7.44201G	49.61	74.00	-24.39	3	Vertical	15	1.26	-
2480MHz	Pass	AV	4.96091G	33.36	54.00	-20.64	3	Horizontal	32	2.46	-
2480MHz	Pass	AV	7.44178G	41.03	54.00	-12.97	3	Horizontal	302	2.21	-
2480MHz	Pass	PK	4.9605G	45.33	74.00	-28.67	3	Horizontal	32	2.46	-
2480MHz	Pass	PK	7.44178G	53.55	74.00	-20.45	3	Horizontal	302	2.21	-
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3634G	50.20	54.00	-3.80	3	Vertical	45	1.34	-
2402MHz	Pass	AV	2.402G	105.39	Inf	-Inf	3	Vertical	45	1.34	-
2402MHz	Pass	PK	2.3628G	61.48	74.00	-12.52	3	Vertical	45	1.34	-
2402MHz	Pass	PK	2.4022G	106.50	Inf	-Inf	3	Vertical	45	1.34	-
2402MHz	Pass	AV	2.353G	47.13	54.00	-6.87	3	Horizontal	49	1.50	-
2402MHz	Pass	AV	2.402G	97.10	Inf	-Inf	3	Horizontal	49	1.50	-
2402MHz	Pass	PK	2.3538G	59.32	74.00	-14.68	3	Horizontal	49	1.50	-
2402MHz	Pass	PK	2.4018G	98.26	Inf	-Inf	3	Horizontal	49	1.50	-
2402MHz	Pass	AV	4.80445G	35.04	54.00	-18.96	3	Vertical	44	1.32	-
2402MHz	Pass	PK	4.80378G	46.67	74.00	-27.33	3	Vertical	44	1.32	-
2402MHz	Pass	AV	4.8036G	31.93	54.00	-22.07	3	Horizontal	266	2.18	-
2402MHz	Pass	PK	4.80468G	43.99	74.00	-30.01	3	Horizontal	266	2.18	-
2440MHz	Pass	AV	2.376G	52.21	54.00	-1.79	3	Vertical	47	1.30	-
2440MHz	Pass	AV	2.44G	104.58	Inf	-Inf	3	Vertical	47	1.30	-
2440MHz	Pass	AV	2.4835G	49.78	54.00	-4.22	3	Vertical	47	1.30	-
2440MHz	Pass	PK	2.3776G	60.34	74.00	-13.66	3	Vertical	47	1.30	-
2440MHz	Pass	PK	2.4404G	105.69	Inf	-Inf	3	Vertical	47	1.30	-
2440MHz	Pass	PK	2.4904G	61.29	74.00	-12.71	3	Vertical	47	1.30	-
2440MHz	Pass	AV	2.376G	47.82	54.00	-6.18	3	Horizontal	50	1.18	-
2440MHz	Pass	AV	2.44G	95.58	Inf	-Inf	3	Horizontal	50	1.18	-
2440MHz	Pass	AV	2.4972G	47.52	54.00	-6.48	3	Horizontal	50	1.18	-
2440MHz	Pass	PK	2.3624G	58.84	74.00	-15.16	3	Horizontal	50	1.18	-
2440MHz	Pass	PK	2.4396G	96.72	Inf	-Inf	3	Horizontal	50	1.18	-
2440MHz	Pass	PK	2.4944G	59.78	74.00	-14.22	3	Horizontal	50	1.18	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2440MHz	Pass	AV	4.88003G	33.98	54.00	-20.02	3	Vertical	347	1.80	-
2440MHz	Pass	AV	7.31944G	38.50	54.00	-15.50	3	Vertical	184	2.58	-
2440MHz	Pass	PK	4.88003G	46.11	74.00	-27.89	3	Vertical	347	1.80	-
2440MHz	Pass	PK	7.32G	49.94	74.00	-24.06	3	Vertical	184	2.58	-
2440MHz	Pass	AV	4.88238G	32.67	54.00	-21.33	3	Horizontal	264	2.12	-
2440MHz	Pass	AV	7.32086G	43.21	54.00	-10.79	3	Horizontal	315	1.76	-
2440MHz	Pass	PK	4.8793G	44.46	74.00	-29.54	3	Horizontal	264	2.12	-
2440MHz	Pass	PK	7.32086G	53.47	74.00	-20.53	3	Horizontal	315	1.76	-
2480MHz	Pass	AV	2.48G	104.38	Inf	-Inf	3	Vertical	31	1.75	-
2480MHz	Pass	AV	2.4835G	48.71	54.00	-5.29	3	Vertical	31	1.75	-
2480MHz	Pass	PK	2.4804G	105.52	Inf	-Inf	3	Vertical	31	1.75	-
2480MHz	Pass	PK	2.487G	60.55	74.00	-13.45	3	Vertical	31	1.75	-
2480MHz	Pass	AV	2.48G	95.25	Inf	-Inf	3	Horizontal	52	1.38	-
2480MHz	Pass	AV	2.4835G	47.48	54.00	-6.52	3	Horizontal	52	1.38	-
2480MHz	Pass	PK	2.4804G	96.42	Inf	-Inf	3	Horizontal	52	1.38	-
2480MHz	Pass	PK	2.4956G	59.59	74.00	-14.41	3	Horizontal	52	1.38	-
2480MHz	Pass	AV	4.95969G	35.31	54.00	-18.69	3	Vertical	351	1.76	-
2480MHz	Pass	AV	7.43954G	42.36	54.00	-11.64	3	Vertical	295	2.31	-
2480MHz	Pass	PK	4.95969G	46.56	74.00	-27.44	3	Vertical	351	1.76	-
2480MHz	Pass	PK	7.44103G	52.36	74.00	-21.64	3	Vertical	295	2.31	-
2480MHz	Pass	AV	4.95969G	33.29	54.00	-20.71	3	Horizontal	59	2.67	-
2480MHz	Pass	AV	7.43954G	42.36	54.00	-11.64	3	Horizontal	309	2.42	-
2480MHz	Pass	PK	4.95934G	44.63	74.00	-29.37	3	Horizontal	59	2.67	-
2480MHz	Pass	PK	7.43954G	52.68	74.00	-21.32	3	Horizontal	309	2.42	-
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3636G	50.37	54.00	-3.63	3	Vertical	45	1.33	-
2402MHz	Pass	AV	2.402G	105.50	Inf	-Inf	3	Vertical	45	1.33	-
2402MHz	Pass	PK	2.365G	61.71	74.00	-12.29	3	Vertical	45	1.33	-
2402MHz	Pass	PK	2.4024G	106.50	Inf	-Inf	3	Vertical	45	1.33	-
2402MHz	Pass	AV	2.3532G	47.13	54.00	-6.87	3	Horizontal	50	1.48	-
2402MHz	Pass	AV	2.402G	96.88	Inf	-Inf	3	Horizontal	50	1.48	-
2402MHz	Pass	PK	2.3606G	59.81	74.00	-14.19	3	Horizontal	50	1.48	-
2402MHz	Pass	PK	2.4018G	97.92	Inf	-Inf	3	Horizontal	50	1.48	-
2402MHz	Pass	AV	4.80442G	34.78	54.00	-19.22	3	Vertical	40	1.47	-
2402MHz	Pass	PK	4.80454G	45.90	74.00	-28.10	3	Vertical	40	1.47	-
2402MHz	Pass	AV	4.80379G	32.03	54.00	-21.97	3	Horizontal	208	2.50	-
2402MHz	Pass	PK	4.8038G	44.64	74.00	-29.36	3	Horizontal	208	2.50	-
2440MHz	Pass	AV	2.376G	52.35	54.00	-1.65	3	Vertical	47	1.30	-
2440MHz	Pass	AV	2.44G	104.68	Inf	-Inf	3	Vertical	47	1.30	-
2440MHz	Pass	AV	2.4835G	49.98	54.00	-4.02	3	Vertical	47	1.30	-
2440MHz	Pass	PK	2.3892G	60.33	74.00	-13.67	3	Vertical	47	1.30	-
2440MHz	Pass	PK	2.4404G	105.67	Inf	-Inf	3	Vertical	47	1.30	-
2440MHz	Pass	PK	2.4848G	61.89	74.00	-12.11	3	Vertical	47	1.30	-
2440MHz	Pass	AV	2.3756G	47.35	54.00	-6.65	3	Horizontal	60	1.54	-
2440MHz	Pass	AV	2.44G	95.55	Inf	-Inf	3	Horizontal	60	1.54	-
2440MHz	Pass	AV	2.4956G	47.52	54.00	-6.48	3	Horizontal	60	1.54	-
2440MHz	Pass	PK	2.3624G	59.34	74.00	-14.66	3	Horizontal	60	1.54	-
2440MHz	Pass	PK	2.44G	96.58	Inf	-Inf	3	Horizontal	60	1.54	-
2440MHz	Pass	PK	2.492G	59.25	74.00	-14.75	3	Horizontal	60	1.54	-
2440MHz	Pass	AV	4.8799G	33.90	54.00	-20.10	3	Vertical	17	1.51	-
2440MHz	Pass	AV	7.32079G	38.66	54.00	-15.34	3	Vertical	146	2.50	-
2440MHz	Pass	PK	4.8799G	45.61	74.00	-28.39	3	Vertical	17	1.51	-
2440MHz	Pass	PK	7.31949G	50.00	74.00	-24.00	3	Vertical	146	2.50	-
2440MHz	Pass	AV	4.8671G	32.73	54.00	-21.27	3	Horizontal	322	2.13	-
2440MHz	Pass	AV	7.32106G	42.77	54.00	-11.23	3	Horizontal	315	1.77	-
2440MHz	Pass	PK	4.86548G	44.42	74.00	-29.58	3	Horizontal	322	2.13	-
2440MHz	Pass	PK	7.32106G	53.50	74.00	-20.50	3	Horizontal	315	1.77	-
2480MHz	Pass	AV	2.48G	103.93	Inf	-Inf	3	Vertical	50	1.41	-
2480MHz	Pass	AV	2.4835G	48.47	54.00	-5.53	3	Vertical	50	1.41	-
2480MHz	Pass	PK	2.4804G	104.96	Inf	-Inf	3	Vertical	50	1.41	-
2480MHz	Pass	PK	2.4835G	60.06	74.00	-13.94	3	Vertical	50	1.41	-
2480MHz	Pass	AV	2.48G	95.28	Inf	-Inf	3	Horizontal	52	1.37	-

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	47.48	54.00	-6.52	3	Horizontal	52	1.37	-
2480MHz	Pass	PK	2.4804G	96.35	Inf	-Inf	3	Horizontal	52	1.37	-
2480MHz	Pass	PK	2.4998G	59.73	74.00	-14.27	3	Horizontal	52	1.37	-
2480MHz	Pass	AV	4.96079G	35.01	54.00	-18.99	3	Vertical	22	1.68	-
2480MHz	Pass	AV	7.44107G	39.26	54.00	-14.74	3	Vertical	124	2.03	-
2480MHz	Pass	PK	4.96079G	46.39	74.00	-27.61	3	Vertical	22	1.68	-
2480MHz	Pass	PK	7.44107G	51.04	74.00	-22.96	3	Vertical	124	2.03	-
2480MHz	Pass	AV	4.95961G	34.15	54.00	-19.85	3	Horizontal	331	2.43	-
2480MHz	Pass	AV	7.44092G	43.90	54.00	-10.10	3	Horizontal	283	2.16	-
2480MHz	Pass	PK	4.95961G	45.89	74.00	-28.11	3	Horizontal	331	2.43	-
2480MHz	Pass	PK	7.44092G	53.63	74.00	-20.37	3	Horizontal	283	2.16	-

BT-LE(1Mbps)

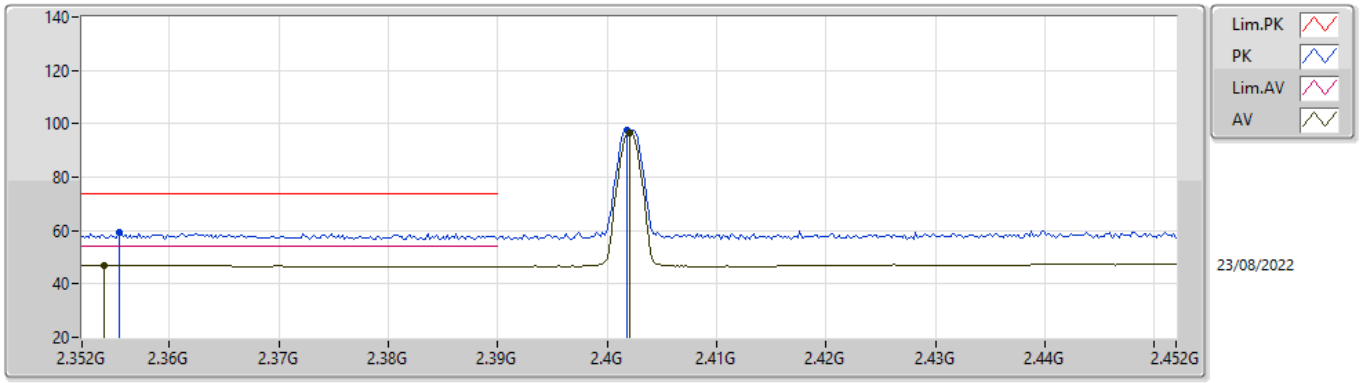
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3626G	50.02	54.00	-3.98	31.82	3	Vertical	41	1.48	-	18.20	27.33	4.49	-
AV	2.402G	105.05	Inf	-Inf	31.88	3	Vertical	41	1.48	-	73.17	27.41	4.47	-
PK	2.3634G	62.03	74.00	-11.97	31.82	3	Vertical	41	1.48	-	30.21	27.33	4.49	-
PK	2.4024G	106.03	Inf	-Inf	31.88	3	Vertical	41	1.48	-	74.15	27.41	4.47	-

BT-LE(1Mbps)

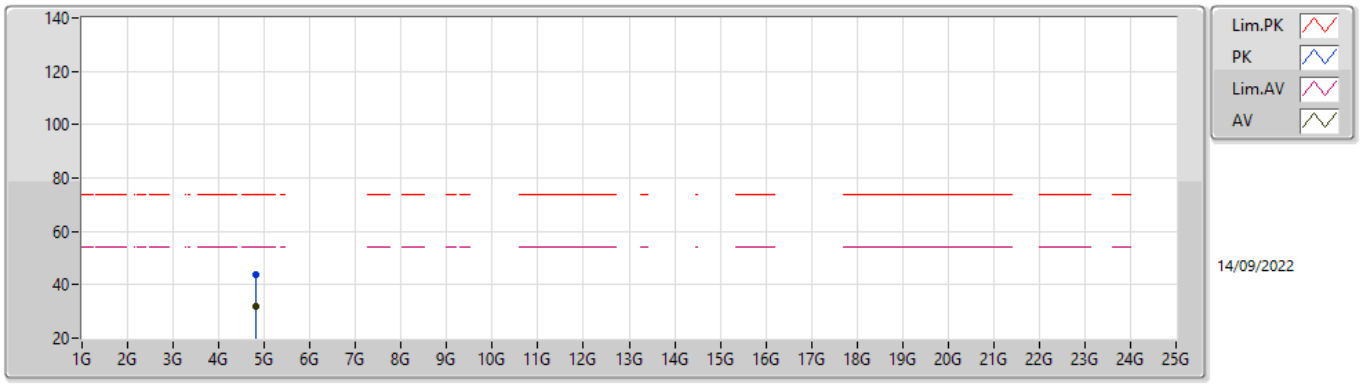
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.354G	47.13	54.00	-6.87	31.81	3	Horizontal	50	1.20	-	15.32	27.31	4.50	-
AV	2.402G	96.75	Inf	-Inf	31.88	3	Horizontal	50	1.20	-	64.87	27.41	4.47	-
PK	2.3554G	59.12	74.00	-14.88	31.81	3	Horizontal	50	1.20	-	27.31	27.31	4.50	-
PK	2.4018G	97.77	Inf	-Inf	31.88	3	Horizontal	50	1.20	-	65.89	27.41	4.47	-

BT-LE(1Mbps)

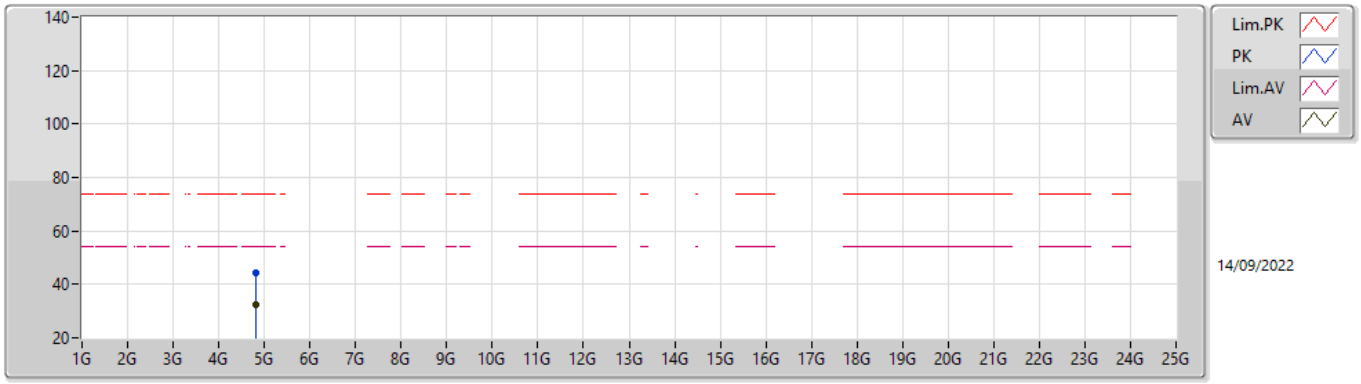
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80154G	31.66	54.00	-22.34	5.12	3	Vertical	20	2.22	-	26.54	32.51	6.90	34.29
PK	4.80425G	43.66	74.00	-30.34	5.13	3	Vertical	20	2.22	-	38.53	32.52	6.90	34.29

BT-LE(1Mbps)

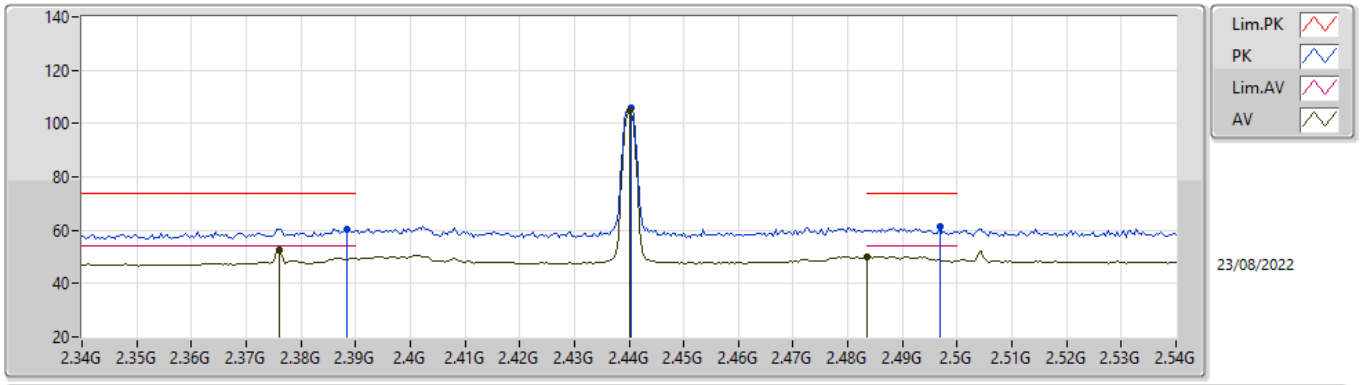
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80397G	32.22	54.00	-21.78	5.13	3	Horizontal	131	1.31	-	27.09	32.52	6.90	34.29
PK	4.80351G	44.41	74.00	-29.59	5.12	3	Horizontal	131	1.31	-	39.29	32.51	6.90	34.29

BT-LE(1Mbps)

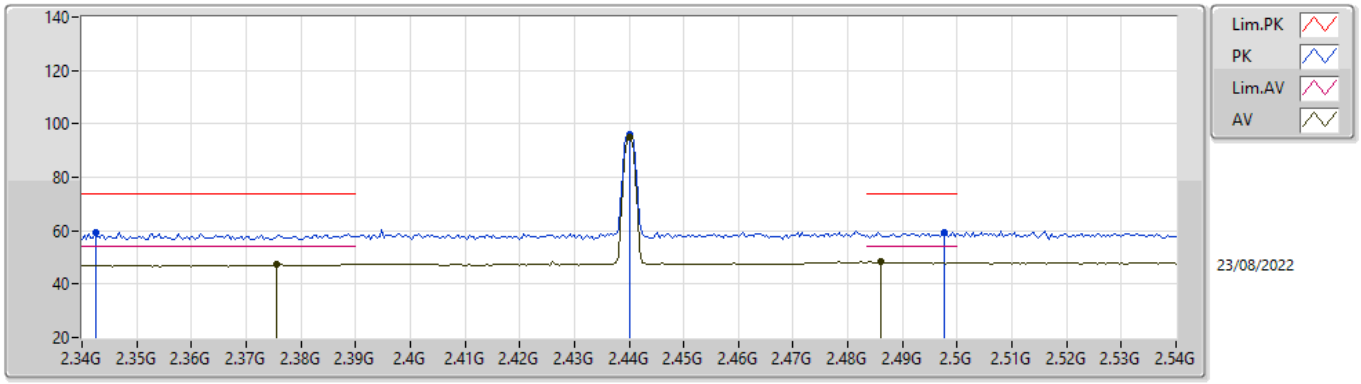
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.376G	52.75	54.00	-1.25	31.83	3	Vertical	47	1.31	-	20.92	27.35	4.48	-
AV	2.44G	104.81	Inf	-Inf	32.04	3	Vertical	47	1.31	-	72.77	27.56	4.48	-
AV	2.4835G	50.17	54.00	-3.83	32.28	3	Vertical	47	1.31	-	17.89	27.80	4.48	-
PK	2.3884G	60.43	74.00	-13.57	31.86	3	Vertical	47	1.31	-	28.57	27.38	4.48	-
PK	2.4404G	105.64	Inf	-Inf	32.04	3	Vertical	47	1.31	-	73.60	27.56	4.48	-
PK	2.4968G	61.20	74.00	-12.80	32.36	3	Vertical	47	1.31	-	28.84	27.88	4.48	-

BT-LE(1Mbps)

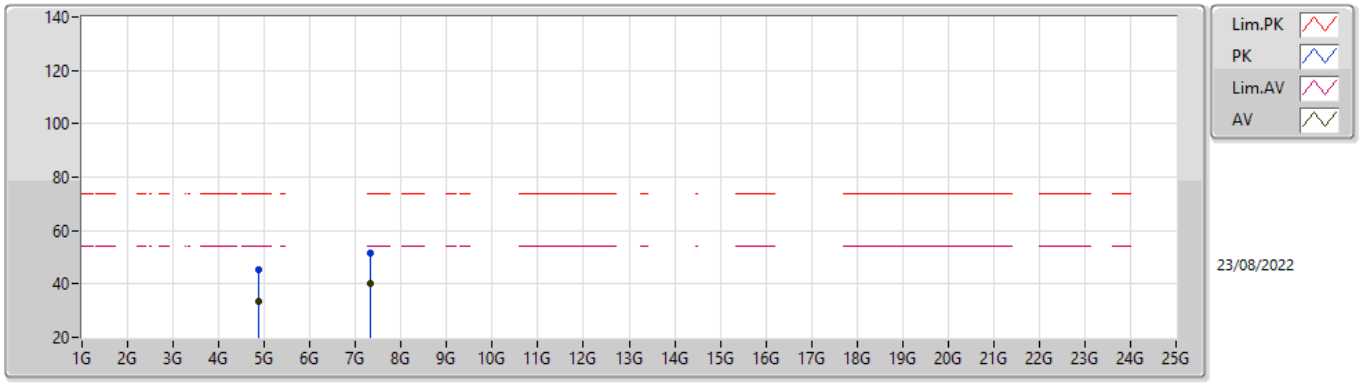
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3756G	47.59	54.00	-6.41	31.83	3	Horizontal	61	1.55	-	15.76	27.35	4.48	-
AV	2.44G	95.02	Inf	-Inf	32.04	3	Horizontal	61	1.55	-	62.98	27.56	4.48	-
AV	2.486G	48.25	54.00	-5.75	32.30	3	Horizontal	61	1.55	-	15.95	27.82	4.48	-
PK	2.3424G	59.16	74.00	-14.84	31.77	3	Horizontal	61	1.55	-	27.39	27.27	4.50	-
PK	2.44G	95.88	Inf	-Inf	32.04	3	Horizontal	61	1.55	-	63.84	27.56	4.48	-
PK	2.4976G	59.47	74.00	-14.53	32.37	3	Horizontal	61	1.55	-	27.10	27.89	4.48	-

BT-LE(1Mbps)

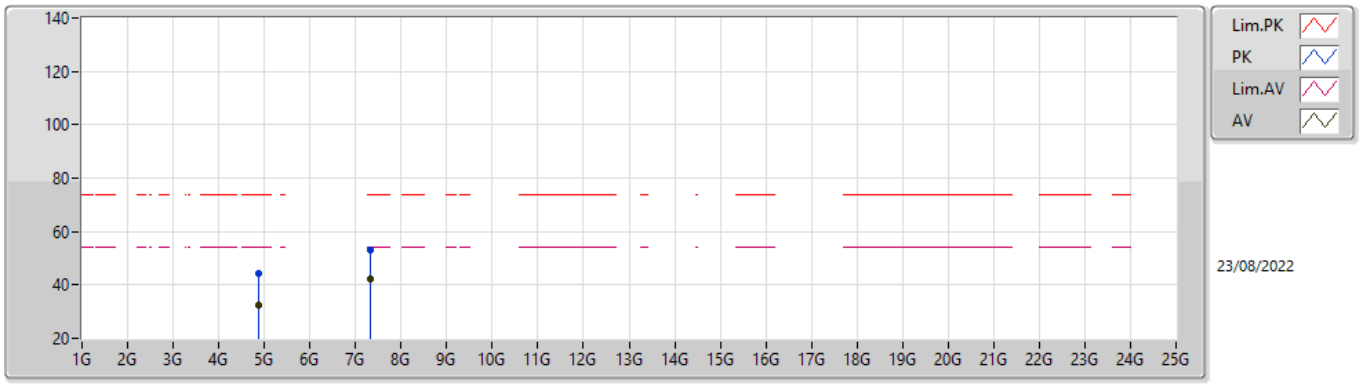
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88045G	33.67	54.00	-20.33	5.38	3	Vertical	50	1.64	-	28.29	32.76	6.90	34.28
AV	7.3197G	40.12	54.00	-13.88	10.52	3	Vertical	93	2.33	-	29.60	36.78	8.54	34.80
PK	4.88045G	45.45	74.00	-28.55	5.38	3	Vertical	50	1.64	-	40.07	32.76	6.90	34.28
PK	7.3197G	51.68	74.00	-22.32	10.52	3	Vertical	93	2.33	-	41.16	36.78	8.54	34.80

BT-LE(1Mbps)

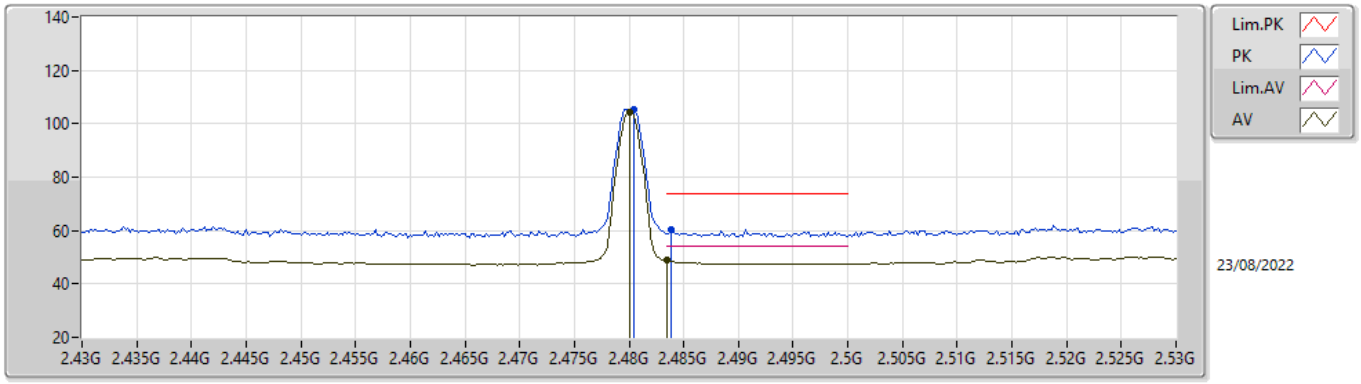
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87972G	32.39	54.00	-21.61	5.38	3	Horizontal	63	1.50	-	27.01	32.76	6.90	34.28
AV	7.3211G	42.26	54.00	-11.74	10.52	3	Horizontal	322	2.27	-	31.74	36.78	8.54	34.80
PK	4.87972G	44.53	74.00	-29.47	5.38	3	Horizontal	63	1.50	-	39.15	32.76	6.90	34.28
PK	7.3211G	53.13	74.00	-20.87	10.52	3	Horizontal	322	2.27	-	42.61	36.78	8.54	34.80

BT-LE(1Mbps)

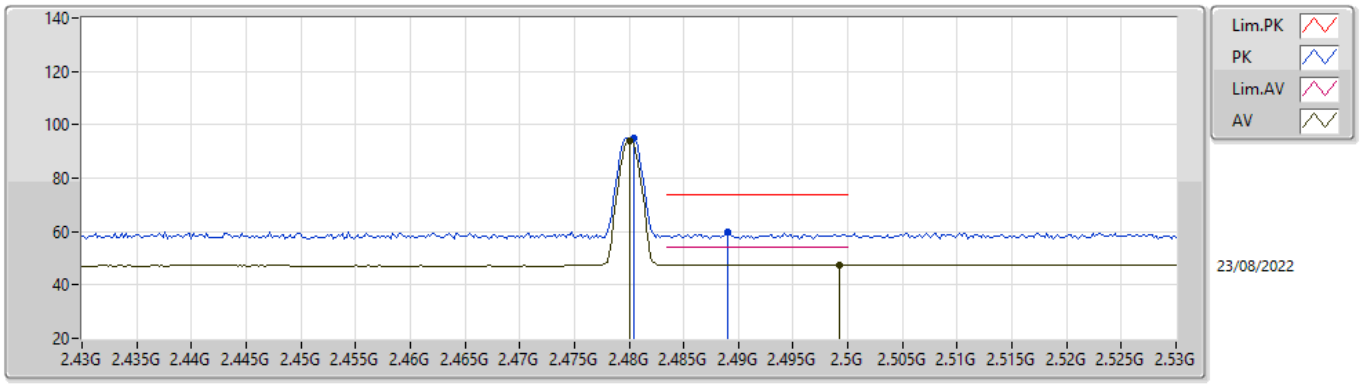
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	104.53	Inf	-Inf	32.26	3	Vertical	31	1.75	-	72.27	27.78	4.48	-
AV	2.4835G	48.71	54.00	-5.29	32.28	3	Vertical	31	1.75	-	16.43	27.80	4.48	-
PK	2.4804G	105.52	Inf	-Inf	32.26	3	Vertical	31	1.75	-	73.26	27.78	4.48	-
PK	2.4838G	60.48	74.00	-13.52	32.28	3	Vertical	31	1.75	-	28.20	27.80	4.48	-

BT-LE(1Mbps)

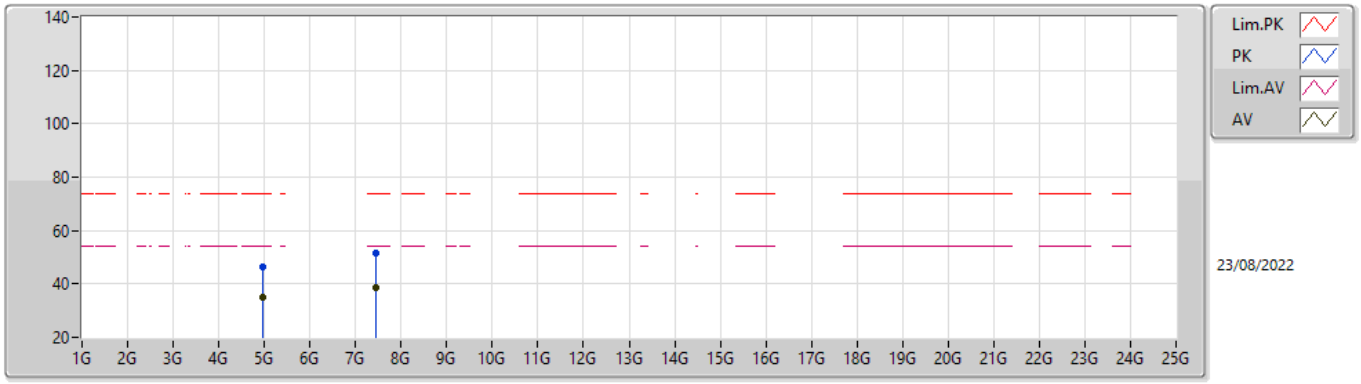
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	93.94	Inf	-Inf	32.26	3	Horizontal	64	1.56	-	61.68	27.78	4.48	-
AV	2.4992G	47.54	54.00	-6.46	32.38	3	Horizontal	64	1.56	-	15.16	27.90	4.48	-
PK	2.4804G	94.97	Inf	-Inf	32.26	3	Horizontal	64	1.56	-	62.71	27.78	4.48	-
PK	2.489G	59.63	74.00	-14.37	32.31	3	Horizontal	64	1.56	-	27.32	27.83	4.48	-

BT-LE(1Mbps)

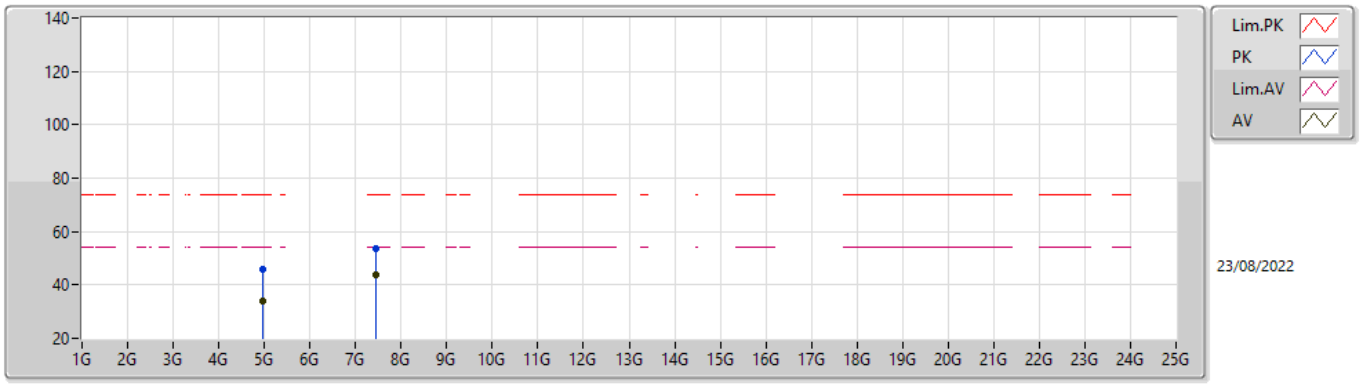
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96071G	35.16	54.00	-18.84	5.78	3	Vertical	351	1.76	-	29.38	33.14	6.91	34.27
AV	7.43933G	38.54	54.00	-15.46	10.43	3	Vertical	130	2.73	-	28.11	36.60	8.65	34.82
PK	4.96071G	46.25	74.00	-27.75	5.78	3	Vertical	351	1.76	-	40.47	33.14	6.91	34.27
PK	7.43933G	51.60	74.00	-22.40	10.43	3	Vertical	130	2.73	-	41.17	36.60	8.65	34.82

BT-LE(1Mbps)

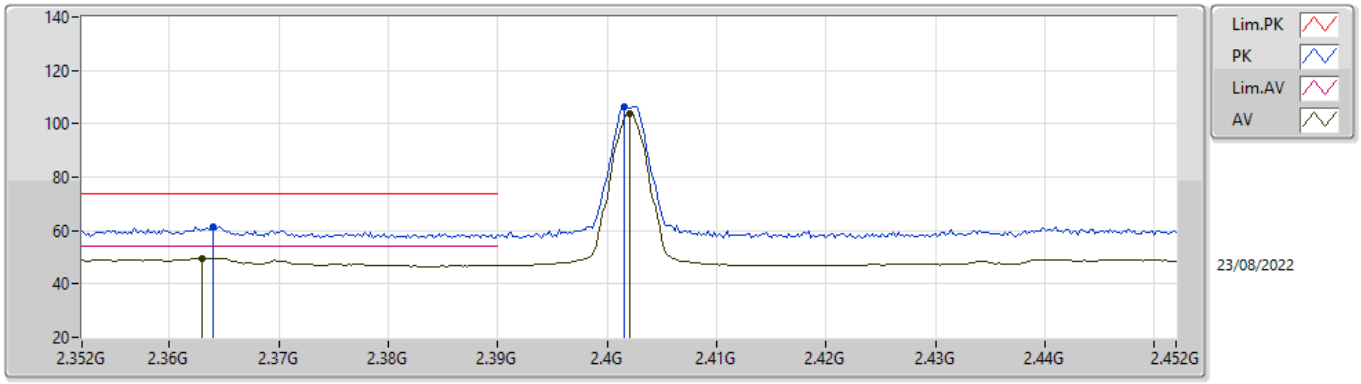
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96013G	33.82	54.00	-20.18	5.78	3	Horizontal	331	2.46	-	28.04	33.14	6.91	34.27
AV	7.43937G	43.75	54.00	-10.25	10.43	3	Horizontal	277	2.46	-	33.32	36.60	8.65	34.82
PK	4.96013G	45.97	74.00	-28.03	5.78	3	Horizontal	331	2.46	-	40.19	33.14	6.91	34.27
PK	7.43937G	53.64	74.00	-20.36	10.43	3	Horizontal	277	2.46	-	43.21	36.60	8.65	34.82

BT-LE(2Mbps)

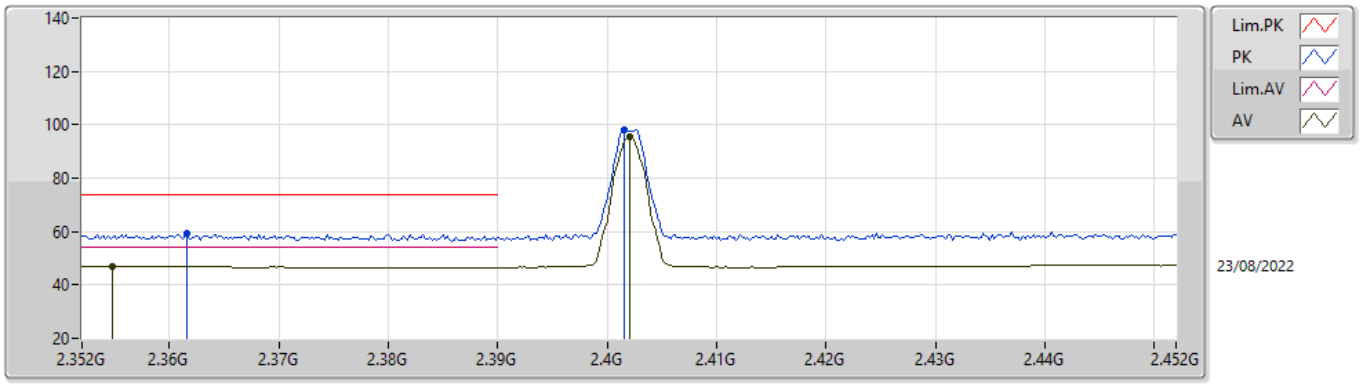
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.363G	49.66	54.00	-4.34	31.82	3	Vertical	39	2.56	-	17.84	27.33	4.49	-
AV	2.402G	103.93	Inf	-Inf	31.88	3	Vertical	39	2.56	-	72.05	27.41	4.47	-
PK	2.364G	61.62	74.00	-12.38	31.82	3	Vertical	39	2.56	-	29.80	27.33	4.49	-
PK	2.4016G	106.33	Inf	-Inf	31.88	3	Vertical	39	2.56	-	74.45	27.41	4.47	-

BT-LE(2Mbps)

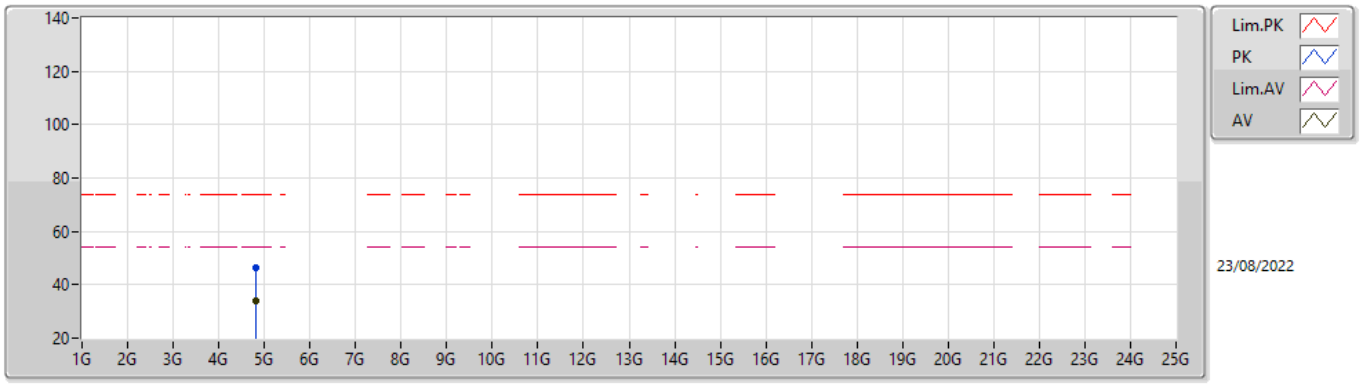
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3548G	47.12	54.00	-6.88	31.81	3	Horizontal	50	1.48	-	15.31	27.31	4.50	-
AV	2.402G	95.54	Inf	-Inf	31.88	3	Horizontal	50	1.48	-	63.66	27.41	4.47	-
PK	2.3616G	59.52	74.00	-14.48	31.81	3	Horizontal	50	1.48	-	27.71	27.32	4.49	-
PK	2.4016G	97.98	Inf	-Inf	31.88	3	Horizontal	50	1.48	-	66.10	27.41	4.47	-

BT-LE(2Mbps)

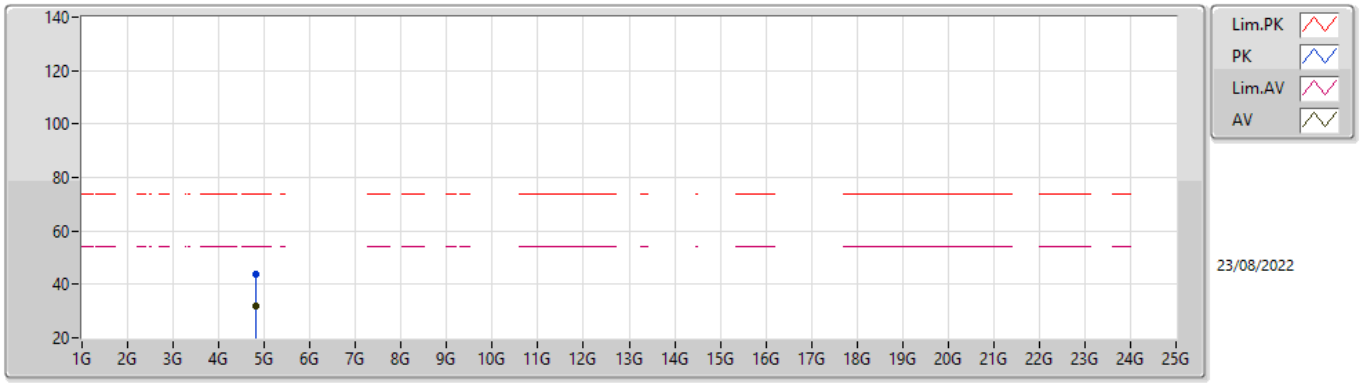
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80324G	33.78	54.00	-20.22	5.12	3	Vertical	40	1.50	-	28.66	32.51	6.90	34.29
PK	4.80499G	46.26	74.00	-27.74	5.13	3	Vertical	40	1.50	-	41.13	32.52	6.90	34.29

BT-LE(2Mbps)

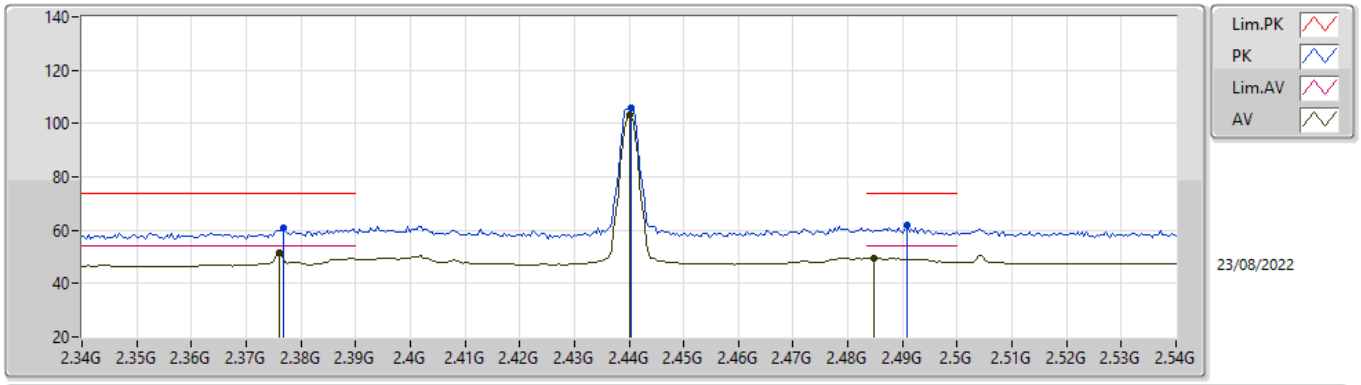
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80508G	31.84	54.00	-22.16	5.13	3	Horizontal	346	2.52	-	26.71	32.52	6.90	34.29
PK	4.80557G	44.00	74.00	-30.00	5.13	3	Horizontal	346	2.52	-	38.87	32.52	6.90	34.29

BT-LE(2Mbps)

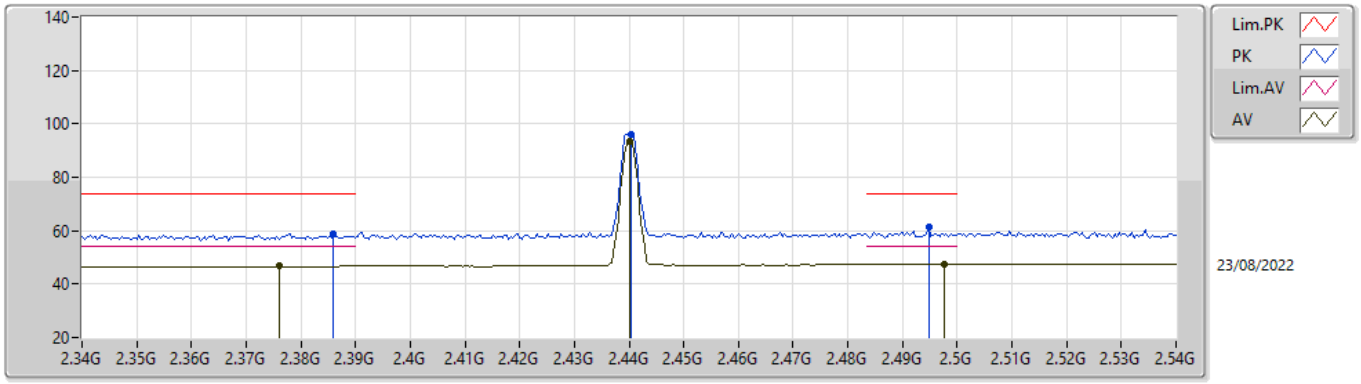
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.376G	51.34	54.00	-2.66	31.83	3	Vertical	47	1.30	-	19.51	27.35	4.48	-
AV	2.44G	103.19	Inf	-Inf	32.04	3	Vertical	47	1.30	-	71.15	27.56	4.48	-
AV	2.4848G	49.59	54.00	-4.41	32.29	3	Vertical	47	1.30	-	17.30	27.81	4.48	-
PK	2.3768G	60.70	74.00	-13.30	31.83	3	Vertical	47	1.30	-	28.87	27.35	4.48	-
PK	2.4404G	105.63	Inf	-Inf	32.04	3	Vertical	47	1.30	-	73.59	27.56	4.48	-
PK	2.4908G	62.05	74.00	-11.95	32.32	3	Vertical	47	1.30	-	29.73	27.84	4.48	-

BT-LE(2Mbps)

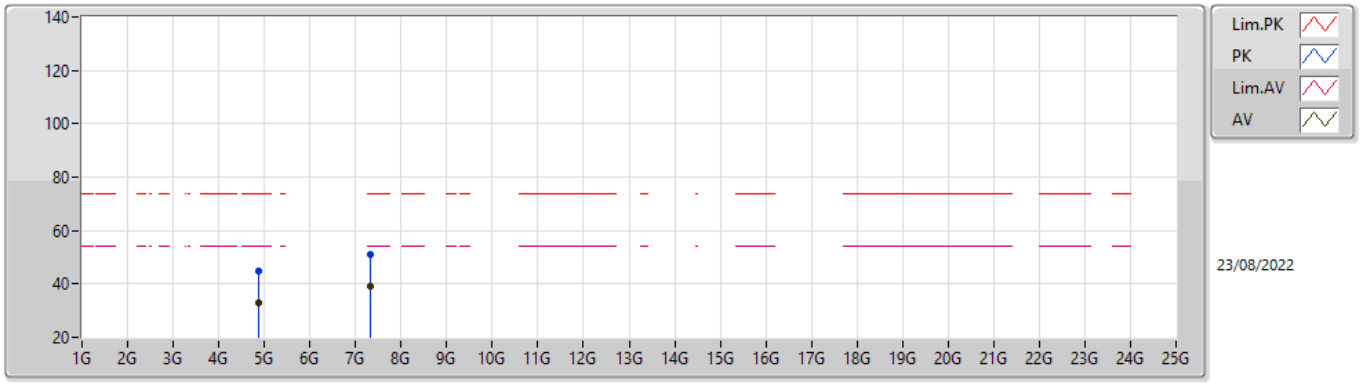
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.376G	47.11	54.00	-6.89	31.83	3	Horizontal	61	1.55	-	15.28	27.35	4.48	-
AV	2.44G	93.44	Inf	-Inf	32.04	3	Horizontal	61	1.55	-	61.40	27.56	4.48	-
AV	2.4976G	47.53	54.00	-6.47	32.37	3	Horizontal	61	1.55	-	15.16	27.89	4.48	-
PK	2.386G	58.76	74.00	-15.24	31.85	3	Horizontal	61	1.55	-	26.91	27.37	4.48	-
PK	2.4404G	95.95	Inf	-Inf	32.04	3	Horizontal	61	1.55	-	63.91	27.56	4.48	-
PK	2.4948G	61.19	74.00	-12.81	32.35	3	Horizontal	61	1.55	-	28.84	27.87	4.48	-

BT-LE(2Mbps)

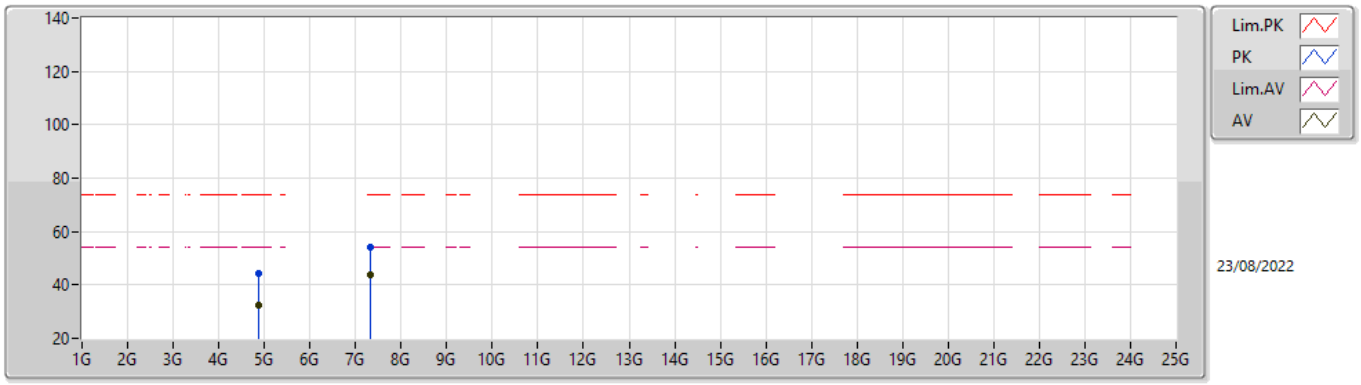
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88112G	33.10	54.00	-20.90	5.38	3	Vertical	19	1.50	-	27.72	32.76	6.90	34.28
AV	7.31893G	38.97	54.00	-15.03	10.52	3	Vertical	14	3.00	-	28.45	36.78	8.54	34.80
PK	4.88112G	44.76	74.00	-29.24	5.38	3	Vertical	19	1.50	-	39.38	32.76	6.90	34.28
PK	7.32183G	50.79	74.00	-23.21	10.52	3	Vertical	14	3.00	-	40.27	36.79	8.54	34.81

BT-LE(2Mbps)

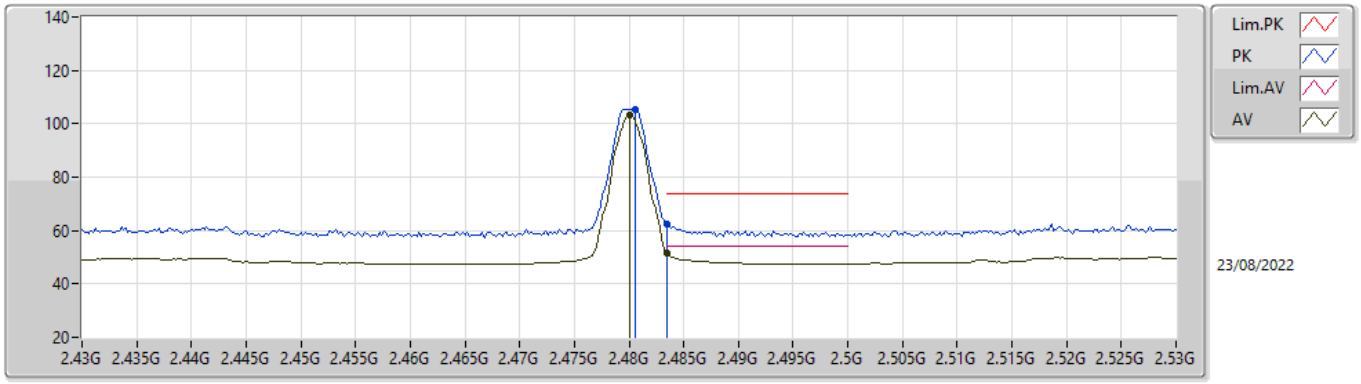
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88145G	32.49	54.00	-21.51	5.38	3	Horizontal	138	2.92	-	27.11	32.76	6.90	34.28
AV	7.32155G	43.98	54.00	-10.02	10.52	3	Horizontal	228	2.57	-	33.46	36.79	8.54	34.81
PK	4.87873G	44.46	74.00	-29.54	5.38	3	Horizontal	138	2.92	-	39.08	32.76	6.90	34.28
PK	7.32155G	54.34	74.00	-19.66	10.52	3	Horizontal	228	2.57	-	43.82	36.79	8.54	34.81

BT-LE(2Mbps)

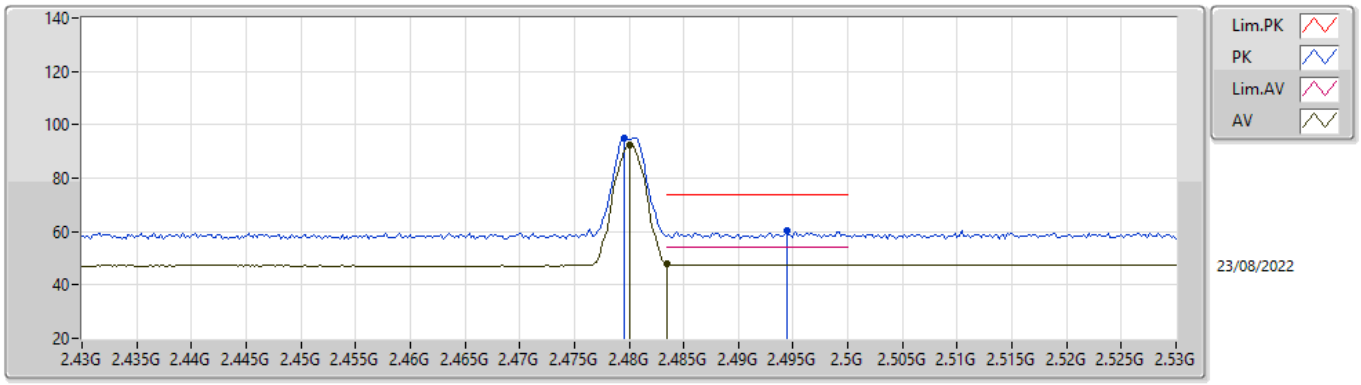
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	103.05	Inf	-Inf	32.26	3	Vertical	31	1.75	-	70.79	27.78	4.48	-
AV	2.4835G	51.60	54.00	-2.40	32.28	3	Vertical	31	1.75	-	19.32	27.80	4.48	-
PK	2.4806G	105.54	Inf	-Inf	32.26	3	Vertical	31	1.75	-	73.28	27.78	4.48	-
PK	2.4835G	62.23	74.00	-11.77	32.28	3	Vertical	31	1.75	-	29.95	27.80	4.48	-

BT-LE(2Mbps)

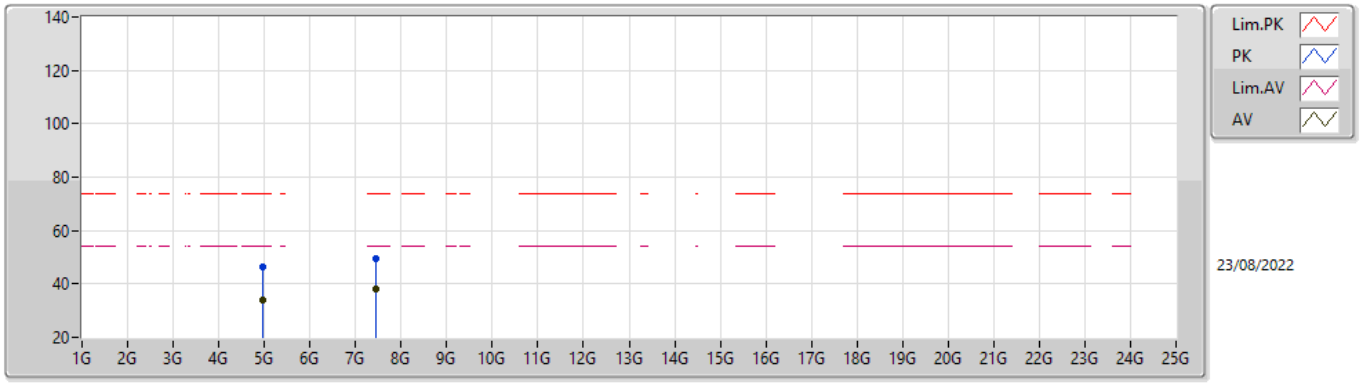
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	92.44	Inf	-Inf	32.26	3	Horizontal	63	1.56	-	60.18	27.78	4.48	-
AV	2.4835G	47.74	54.00	-6.26	32.28	3	Horizontal	63	1.56	-	15.46	27.80	4.48	-
PK	2.4796G	94.95	Inf	-Inf	32.26	3	Horizontal	63	1.56	-	62.69	27.78	4.48	-
PK	2.4944G	60.10	74.00	-13.90	32.35	3	Horizontal	63	1.56	-	27.75	27.87	4.48	-

BT-LE(2Mbps)

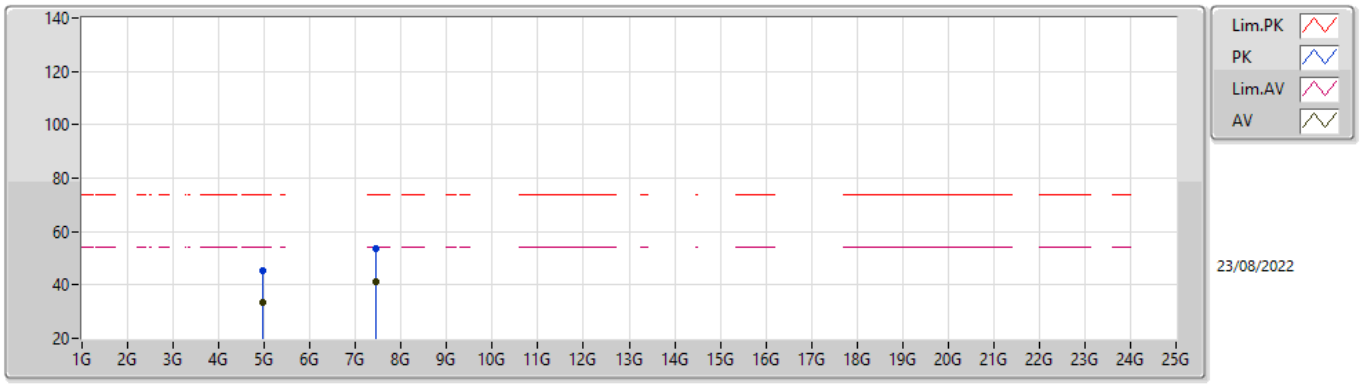
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96108G	34.22	54.00	-19.78	5.78	3	Vertical	22	1.44	-	28.44	33.14	6.91	34.27
AV	7.44024G	38.22	54.00	-15.78	10.43	3	Vertical	15	1.26	-	27.79	36.60	8.65	34.82
PK	4.96108G	46.37	74.00	-27.63	5.78	3	Vertical	22	1.44	-	40.59	33.14	6.91	34.27
PK	7.44201G	49.61	74.00	-24.39	10.43	3	Vertical	15	1.26	-	39.18	36.60	8.65	34.82

BT-LE(2Mbps)

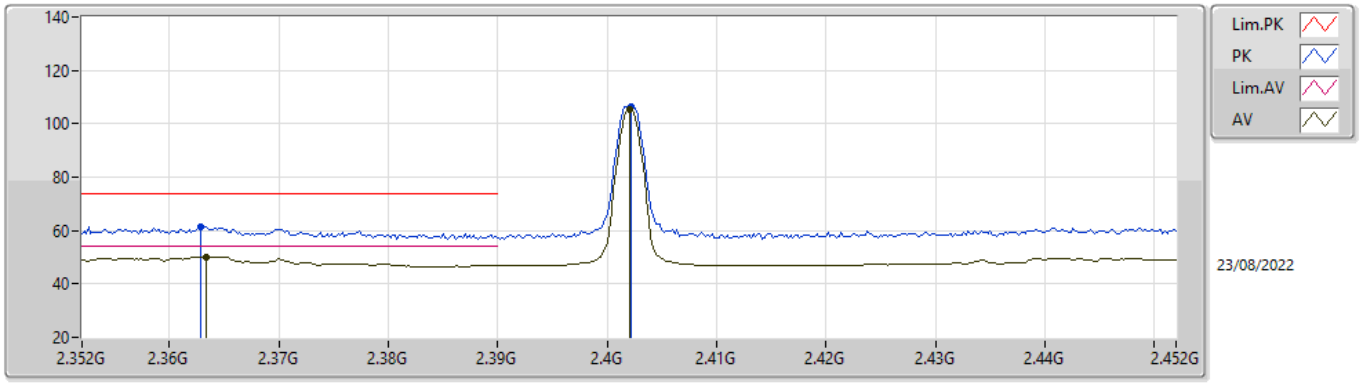
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96091G	33.36	54.00	-20.64	5.78	3	Horizontal	32	2.46	-	27.58	33.14	6.91	34.27
AV	7.44178G	41.03	54.00	-12.97	10.43	3	Horizontal	302	2.21	-	30.60	36.60	8.65	34.82
PK	4.9605G	45.33	74.00	-28.67	5.78	3	Horizontal	32	2.46	-	39.55	33.14	6.91	34.27
PK	7.44178G	53.55	74.00	-20.45	10.43	3	Horizontal	302	2.21	-	43.12	36.60	8.65	34.82

BT-LE(125kbps)

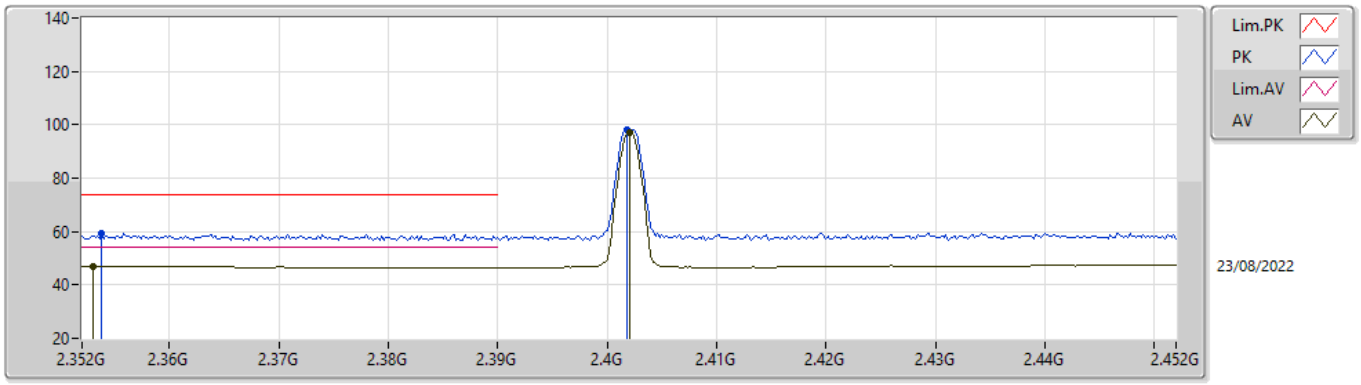
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3634G	50.20	54.00	-3.80	31.82	3	Vertical	45	1.34	-	18.38	27.33	4.49	-
AV	2.402G	105.39	Inf	-Inf	31.88	3	Vertical	45	1.34	-	73.51	27.41	4.47	-
PK	2.3628G	61.48	74.00	-12.52	31.82	3	Vertical	45	1.34	-	29.66	27.33	4.49	-
PK	2.4022G	106.50	Inf	-Inf	31.88	3	Vertical	45	1.34	-	74.62	27.41	4.47	-

BT-LE(125kbps)

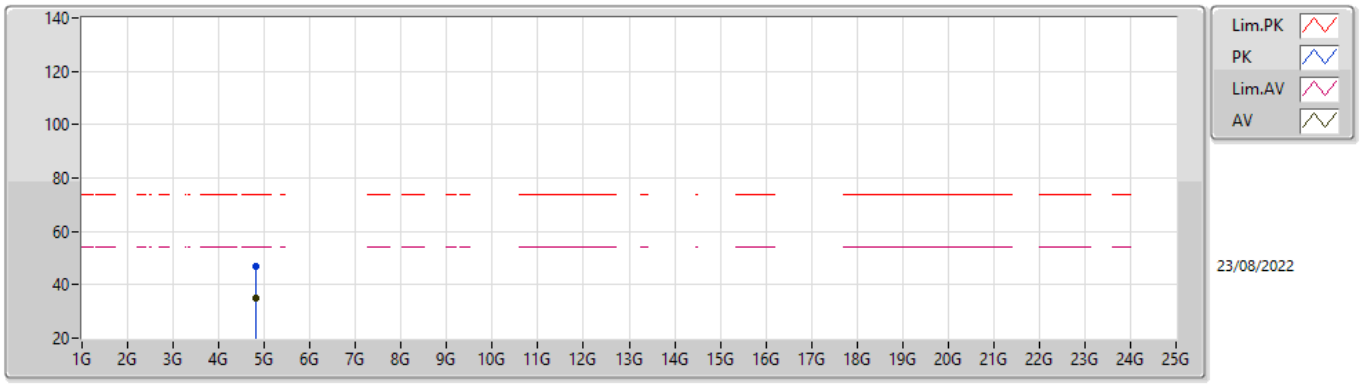
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.353G	47.13	54.00	-6.87	31.81	3	Horizontal	49	1.50	-	15.32	27.31	4.50	-
AV	2.402G	97.10	Inf	-Inf	31.88	3	Horizontal	49	1.50	-	65.22	27.41	4.47	-
PK	2.3538G	59.32	74.00	-14.68	31.81	3	Horizontal	49	1.50	-	27.51	27.31	4.50	-
PK	2.4018G	98.26	Inf	-Inf	31.88	3	Horizontal	49	1.50	-	66.38	27.41	4.47	-

BT-LE(125kbps)

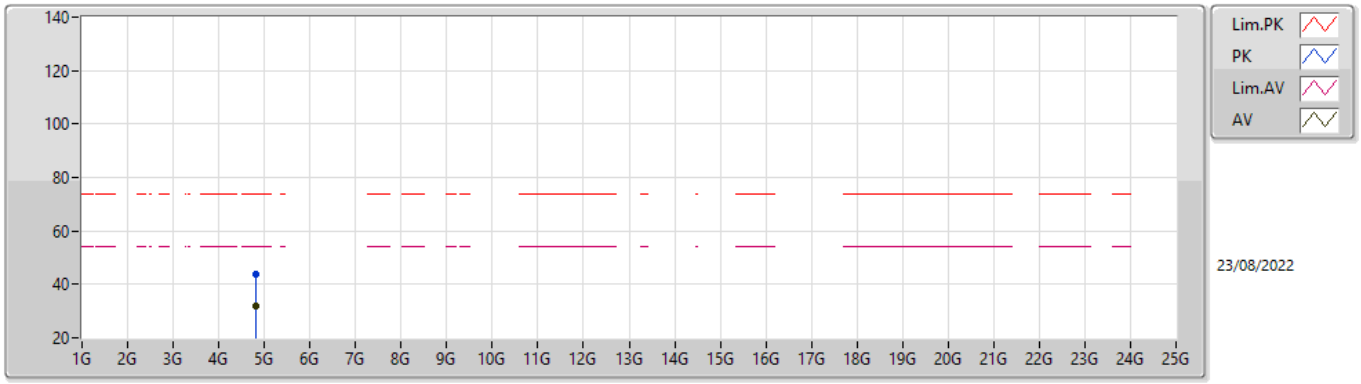
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80445G	35.04	54.00	-18.96	5.13	3	Vertical	44	1.32	-	29.91	32.52	6.90	34.29
PK	4.80378G	46.67	74.00	-27.33	5.13	3	Vertical	44	1.32	-	41.54	32.52	6.90	34.29

BT-LE(125kbps)

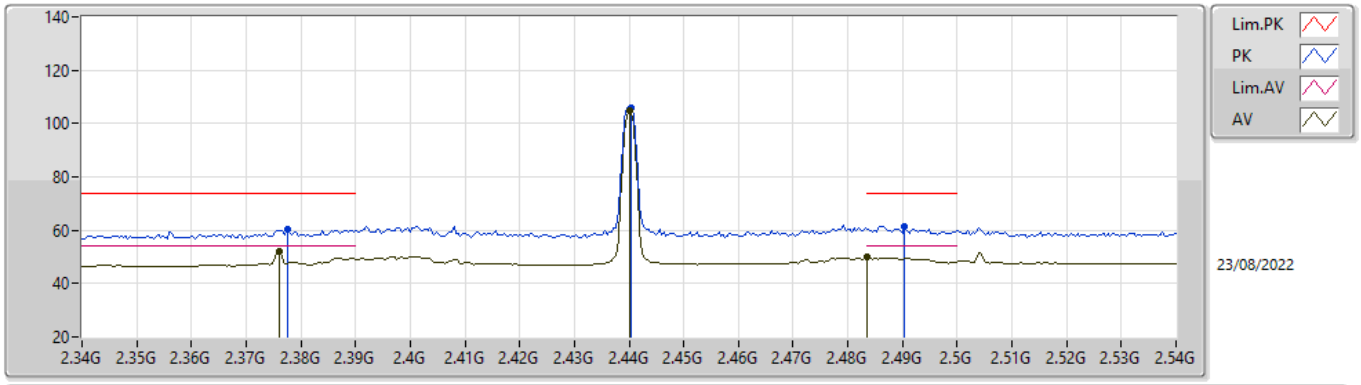
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8036G	31.93	54.00	-22.07	5.12	3	Horizontal	266	2.18	-	26.81	32.51	6.90	34.29
PK	4.80468G	43.99	74.00	-30.01	5.13	3	Horizontal	266	2.18	-	38.86	32.52	6.90	34.29

BT-LE(125kbps)

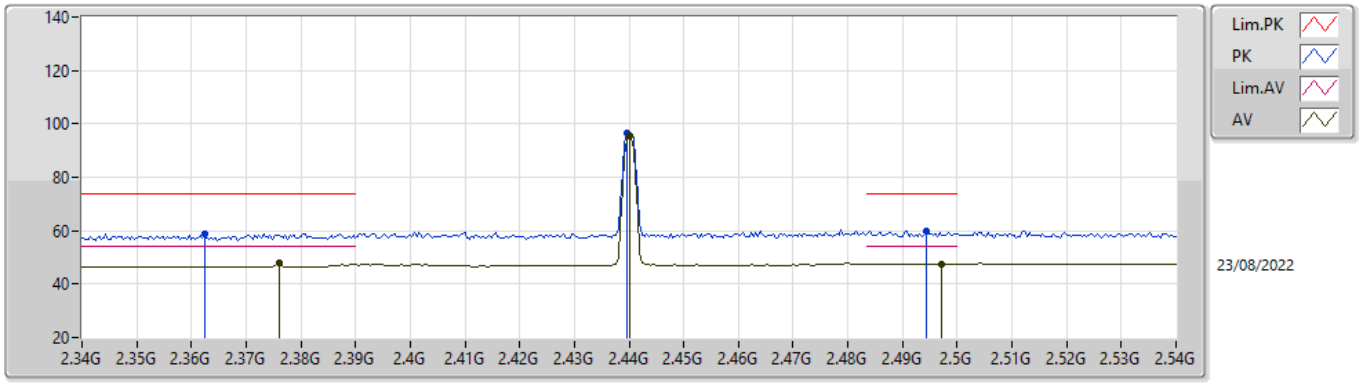
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.376G	52.21	54.00	-1.79	31.83	3	Vertical	47	1.30	-	20.38	27.35	4.48	-
AV	2.44G	104.58	Inf	-Inf	32.04	3	Vertical	47	1.30	-	72.54	27.56	4.48	-
AV	2.4835G	49.78	54.00	-4.22	32.28	3	Vertical	47	1.30	-	17.50	27.80	4.48	-
PK	2.3776G	60.34	74.00	-13.66	31.84	3	Vertical	47	1.30	-	28.50	27.36	4.48	-
PK	2.4404G	105.69	Inf	-Inf	32.04	3	Vertical	47	1.30	-	73.65	27.56	4.48	-
PK	2.4904G	61.29	74.00	-12.71	32.32	3	Vertical	47	1.30	-	28.97	27.84	4.48	-

BT-LE(125kbps)

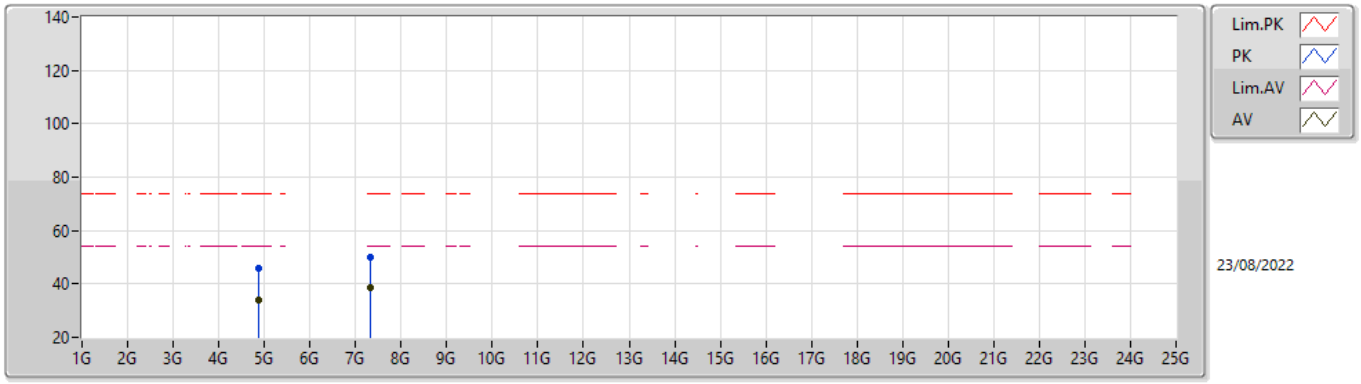
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.376G	47.82	54.00	-6.18	31.83	3	Horizontal	50	1.18	-	15.99	27.35	4.48	-
AV	2.44G	95.58	Inf	-Inf	32.04	3	Horizontal	50	1.18	-	63.54	27.56	4.48	-
AV	2.4972G	47.52	54.00	-6.48	32.36	3	Horizontal	50	1.18	-	15.16	27.88	4.48	-
PK	2.3624G	58.84	74.00	-15.16	31.81	3	Horizontal	50	1.18	-	27.03	27.32	4.49	-
PK	2.4396G	96.72	Inf	-Inf	32.04	3	Horizontal	50	1.18	-	64.68	27.56	4.48	-
PK	2.4944G	59.78	74.00	-14.22	32.35	3	Horizontal	50	1.18	-	27.43	27.87	4.48	-

BT-LE(125kbps)

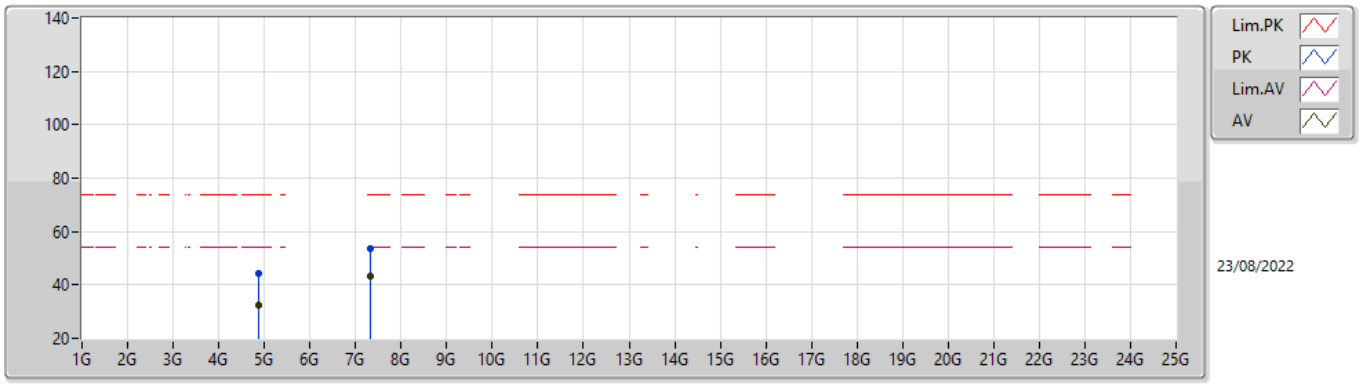
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88003G	33.98	54.00	-20.02	5.38	3	Vertical	347	1.80	-	28.60	32.76	6.90	34.28
AV	7.31944G	38.50	54.00	-15.50	10.52	3	Vertical	184	2.58	-	27.98	36.78	8.54	34.80
PK	4.88003G	46.11	74.00	-27.89	5.38	3	Vertical	347	1.80	-	40.73	32.76	6.90	34.28
PK	7.32G	49.94	74.00	-24.06	10.52	3	Vertical	184	2.58	-	39.42	36.78	8.54	34.80

BT-LE(125kbps)

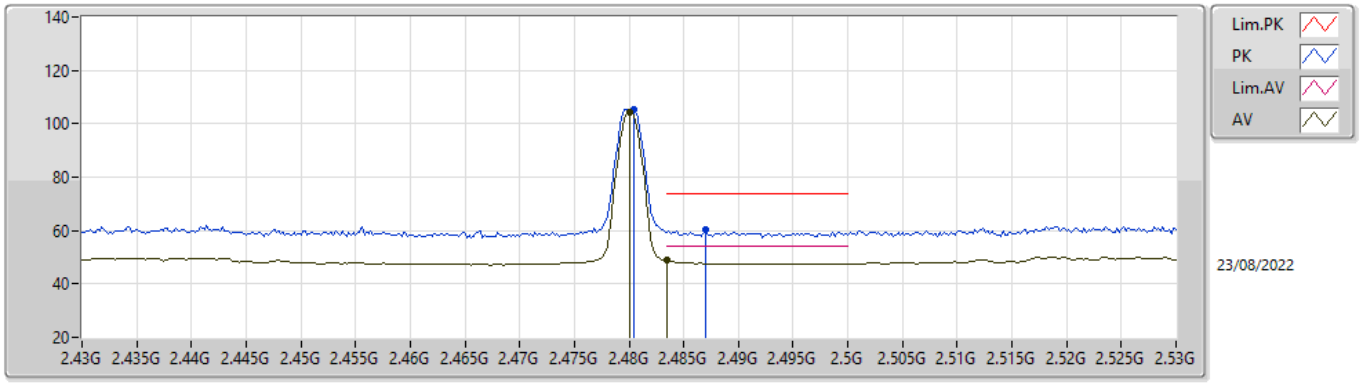
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88238G	32.67	54.00	-21.33	5.38	3	Horizontal	264	2.12	-	27.29	32.76	6.90	34.28
AV	7.32086G	43.21	54.00	-10.79	10.52	3	Horizontal	315	1.76	-	32.69	36.78	8.54	34.80
PK	4.8793G	44.46	74.00	-29.54	5.38	3	Horizontal	264	2.12	-	39.08	32.76	6.90	34.28
PK	7.32086G	53.47	74.00	-20.53	10.52	3	Horizontal	315	1.76	-	42.95	36.78	8.54	34.80

BT-LE(125kbps)

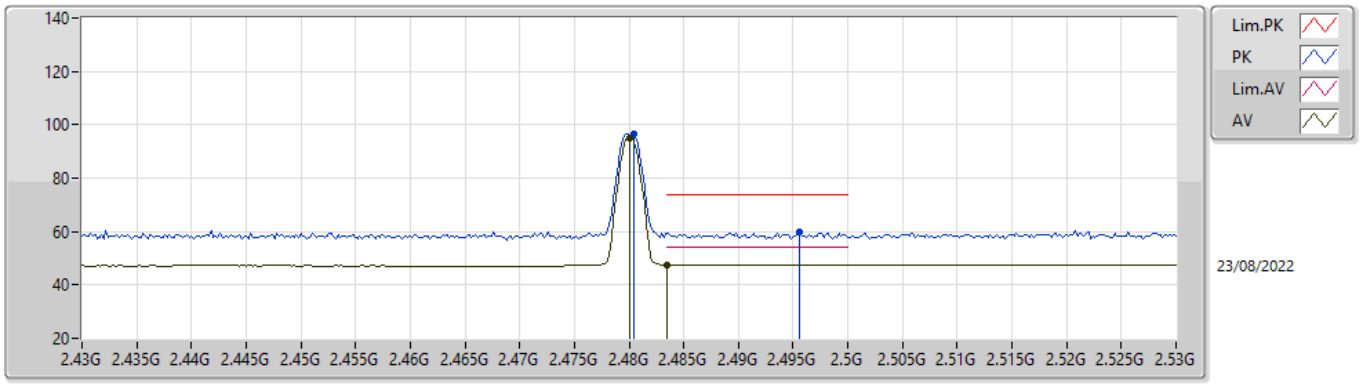
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	104.38	Inf	-Inf	32.26	3	Vertical	31	1.75	-	72.12	27.78	4.48	-
AV	2.4835G	48.71	54.00	-5.29	32.28	3	Vertical	31	1.75	-	16.43	27.80	4.48	-
PK	2.4804G	105.52	Inf	-Inf	32.26	3	Vertical	31	1.75	-	73.26	27.78	4.48	-
PK	2.487G	60.55	74.00	-13.45	32.30	3	Vertical	31	1.75	-	28.25	27.82	4.48	-

BT-LE(125kbps)

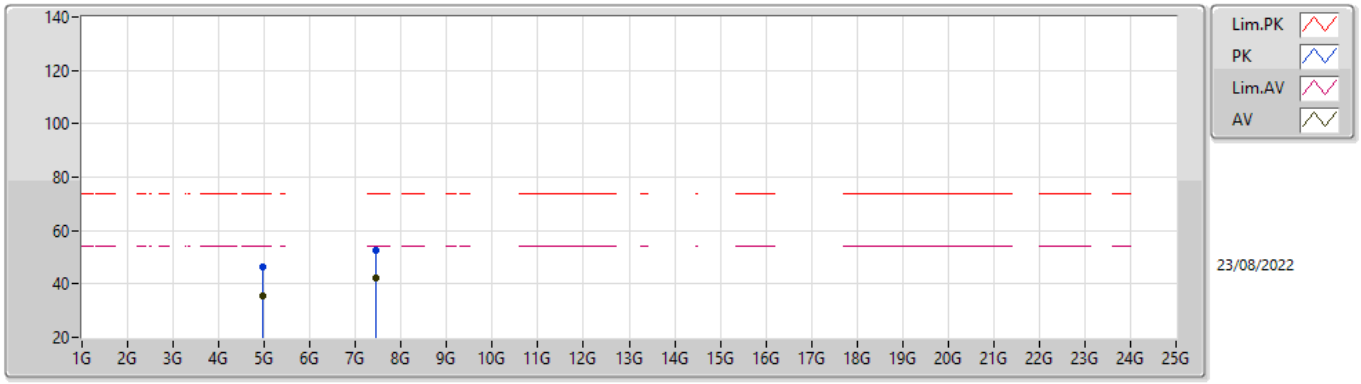
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	95.25	Inf	-Inf	32.26	3	Horizontal	52	1.38	-	62.99	27.78	4.48	-
AV	2.4835G	47.48	54.00	-6.52	32.28	3	Horizontal	52	1.38	-	15.20	27.80	4.48	-
PK	2.4804G	96.42	Inf	-Inf	32.26	3	Horizontal	52	1.38	-	64.16	27.78	4.48	-
PK	2.4956G	59.59	74.00	-14.41	32.35	3	Horizontal	52	1.38	-	27.24	27.87	4.48	-

BT-LE(125kbps)

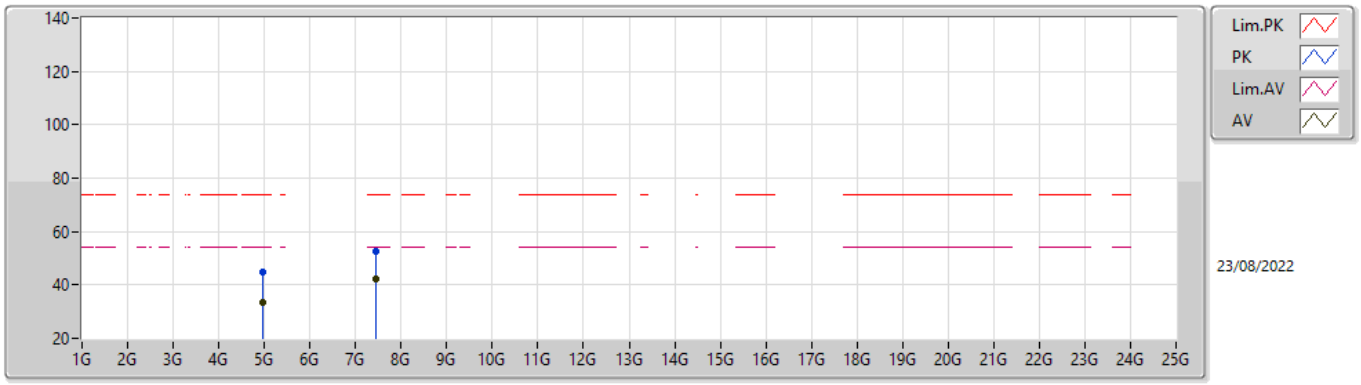
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95969G	35.31	54.00	-18.69	5.78	3	Vertical	351	1.76	-	29.53	33.14	6.91	34.27
AV	7.43954G	42.36	54.00	-11.64	10.43	3	Vertical	295	2.31	-	31.93	36.60	8.65	34.82
PK	4.95969G	46.56	74.00	-27.44	5.78	3	Vertical	351	1.76	-	40.78	33.14	6.91	34.27
PK	7.44103G	52.36	74.00	-21.64	10.43	3	Vertical	295	2.31	-	41.93	36.60	8.65	34.82

BT-LE(125kbps)

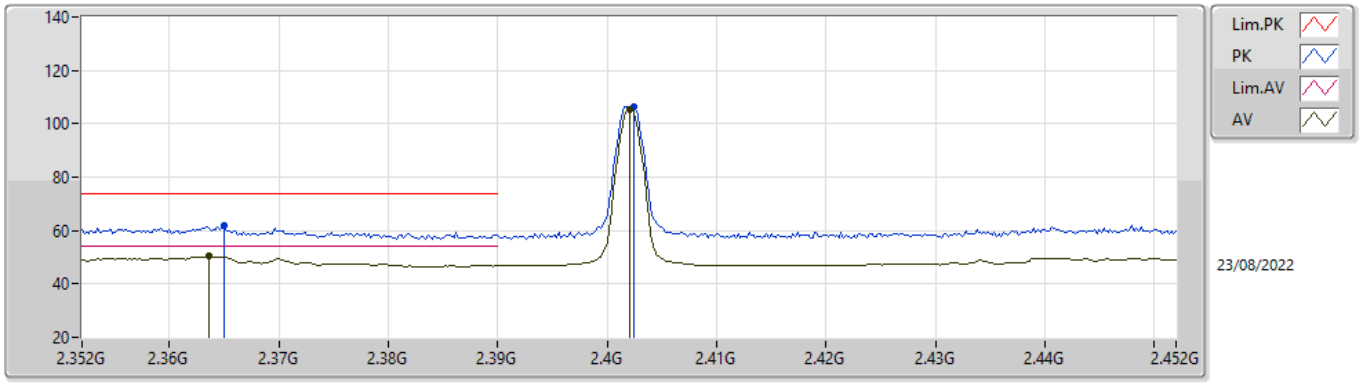
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95969G	33.29	54.00	-20.71	5.78	3	Horizontal	59	2.67	-	27.51	33.14	6.91	34.27
AV	7.43954G	42.36	54.00	-11.64	10.43	3	Horizontal	309	2.42	-	31.93	36.60	8.65	34.82
PK	4.95934G	44.63	74.00	-29.37	5.78	3	Horizontal	59	2.67	-	38.85	33.14	6.91	34.27
PK	7.43954G	52.68	74.00	-21.32	10.43	3	Horizontal	309	2.42	-	42.25	36.60	8.65	34.82

BT-LE(500kbps)

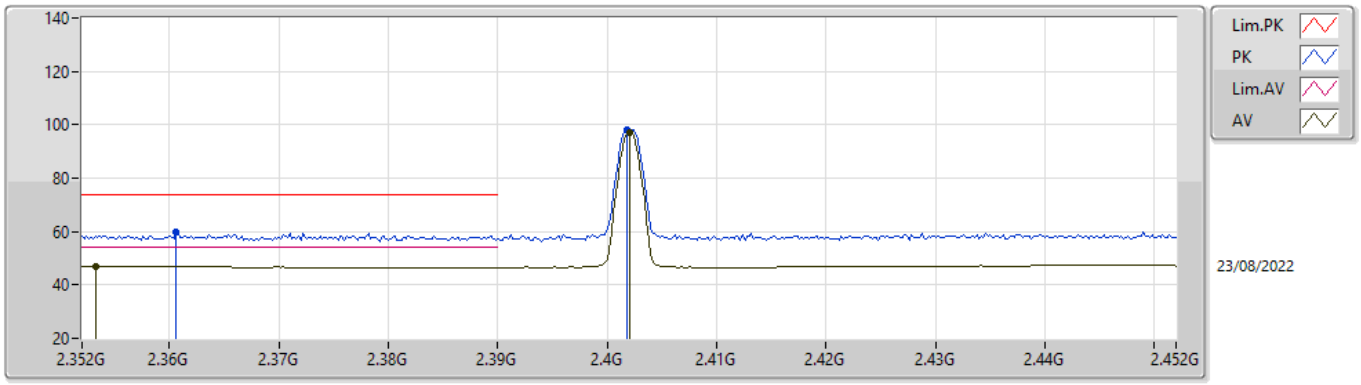
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3636G	50.37	54.00	-3.63	31.82	3	Vertical	45	1.33	-	18.55	27.33	4.49	-
AV	2.402G	105.50	Inf	-Inf	31.88	3	Vertical	45	1.33	-	73.62	27.41	4.47	-
PK	2.365G	61.71	74.00	-12.29	31.82	3	Vertical	45	1.33	-	29.89	27.33	4.49	-
PK	2.4024G	106.50	Inf	-Inf	31.88	3	Vertical	45	1.33	-	74.62	27.41	4.47	-

BT-LE(500kbps)

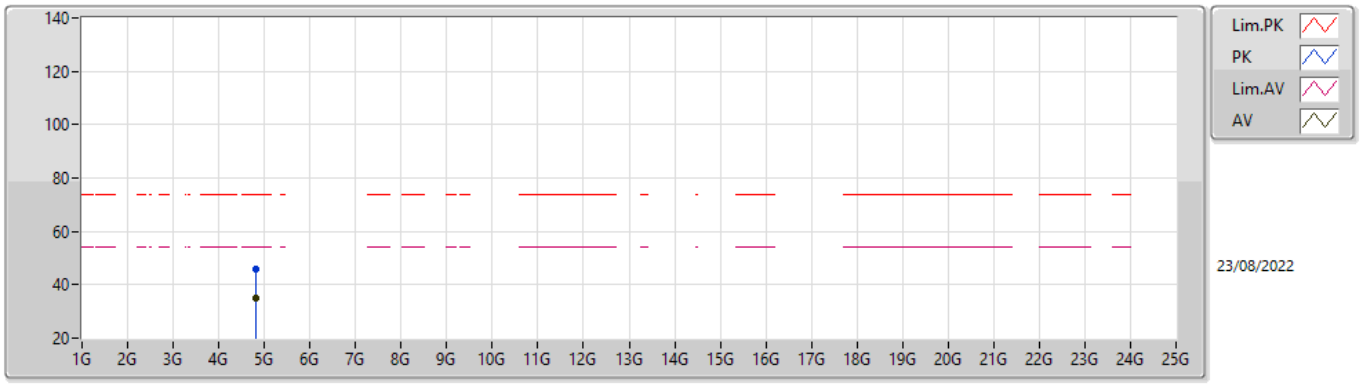
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3532G	47.13	54.00	-6.87	31.81	3	Horizontal	50	1.48	-	15.32	27.31	4.50	-
AV	2.402G	96.88	Inf	-Inf	31.88	3	Horizontal	50	1.48	-	65.00	27.41	4.47	-
PK	2.3606G	59.81	74.00	-14.19	31.81	3	Horizontal	50	1.48	-	28.00	27.32	4.49	-
PK	2.4018G	97.92	Inf	-Inf	31.88	3	Horizontal	50	1.48	-	66.04	27.41	4.47	-

BT-LE(500kbps)

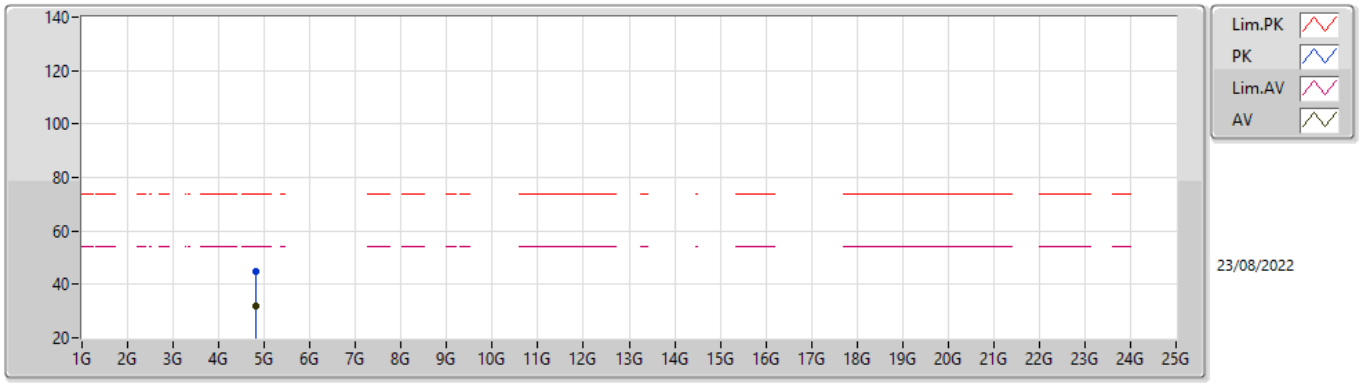
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80442G	34.78	54.00	-19.22	5.13	3	Vertical	40	1.47	-	29.65	32.52	6.90	34.29
PK	4.80454G	45.90	74.00	-28.10	5.13	3	Vertical	40	1.47	-	40.77	32.52	6.90	34.29

BT-LE(500kbps)

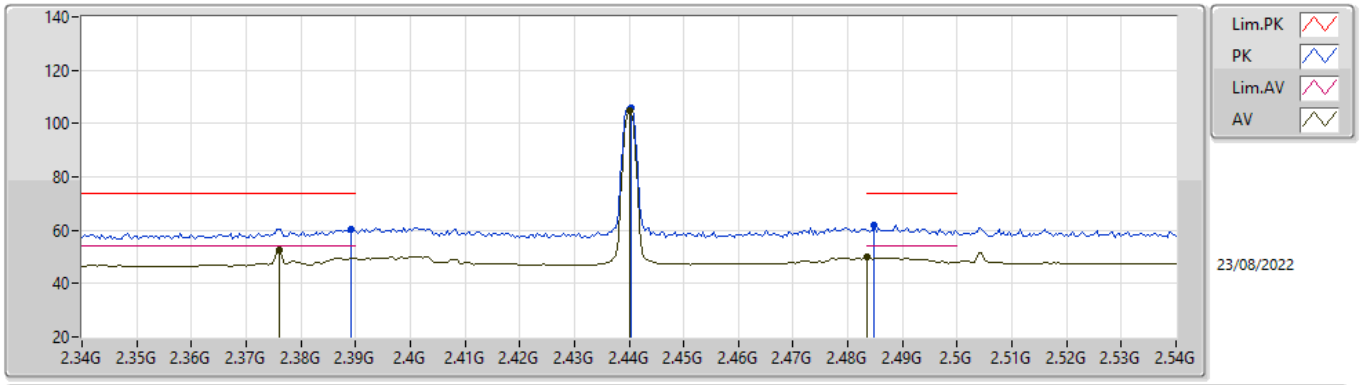
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80379G	32.03	54.00	-21.97	5.13	3	Horizontal	208	2.50	-	26.90	32.52	6.90	34.29
PK	4.8038G	44.64	74.00	-29.36	5.13	3	Horizontal	208	2.50	-	39.51	32.52	6.90	34.29

BT-LE(500kbps)

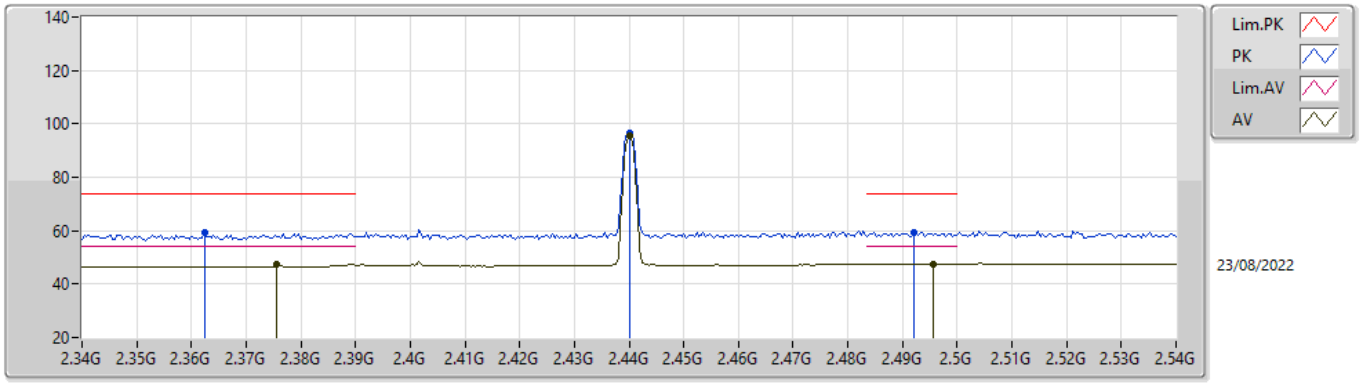
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.376G	52.35	54.00	-1.65	31.83	3	Vertical	47	1.30	-	20.52	27.35	4.48	-
AV	2.44G	104.68	Inf	-Inf	32.04	3	Vertical	47	1.30	-	72.64	27.56	4.48	-
AV	2.4835G	49.98	54.00	-4.02	32.28	3	Vertical	47	1.30	-	17.70	27.80	4.48	-
PK	2.3892G	60.33	74.00	-13.67	31.86	3	Vertical	47	1.30	-	28.47	27.38	4.48	-
PK	2.4404G	105.67	Inf	-Inf	32.04	3	Vertical	47	1.30	-	73.63	27.56	4.48	-
PK	2.4848G	61.89	74.00	-12.11	32.29	3	Vertical	47	1.30	-	29.60	27.81	4.48	-

BT-LE(500kbps)

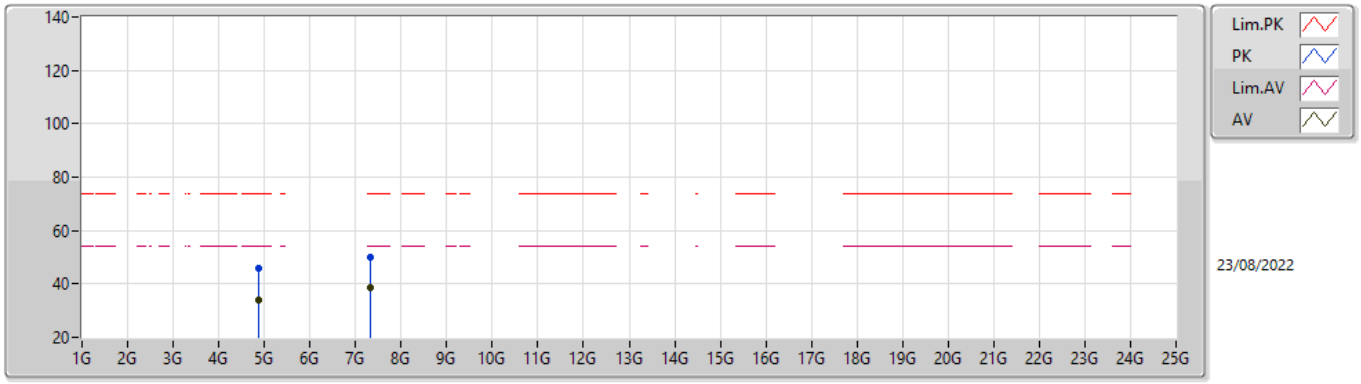
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3756G	47.35	54.00	-6.65	31.83	3	Horizontal	60	1.54	-	15.52	27.35	4.48	-
AV	2.44G	95.55	Inf	-Inf	32.04	3	Horizontal	60	1.54	-	63.51	27.56	4.48	-
AV	2.4956G	47.52	54.00	-6.48	32.35	3	Horizontal	60	1.54	-	15.17	27.87	4.48	-
PK	2.3624G	59.34	74.00	-14.66	31.81	3	Horizontal	60	1.54	-	27.53	27.32	4.49	-
PK	2.44G	96.58	Inf	-Inf	32.04	3	Horizontal	60	1.54	-	64.54	27.56	4.48	-
PK	2.492G	59.25	74.00	-14.75	32.33	3	Horizontal	60	1.54	-	26.92	27.85	4.48	-

BT-LE(500kbps)

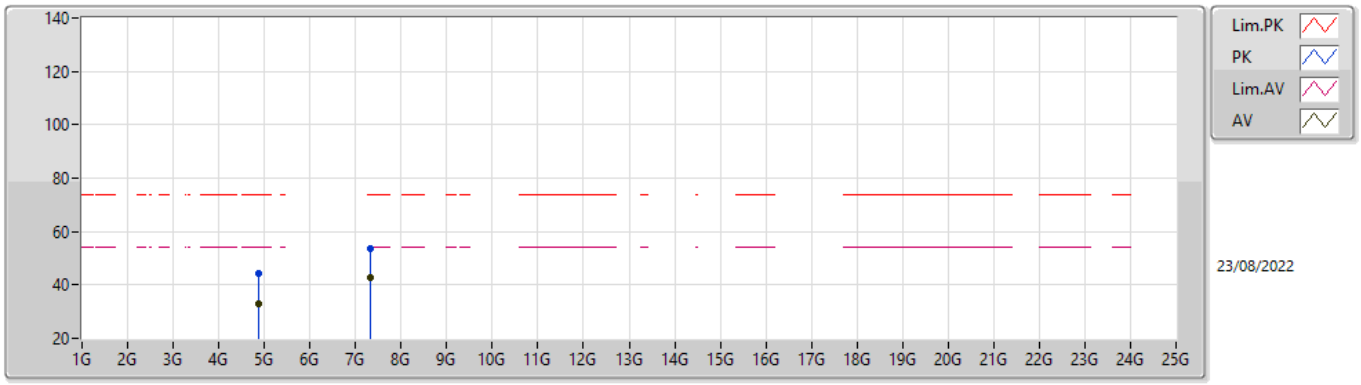
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8799G	33.90	54.00	-20.10	5.38	3	Vertical	17	1.51	-	28.52	32.76	6.90	34.28
AV	7.32079G	38.66	54.00	-15.34	10.52	3	Vertical	146	2.50	-	28.14	36.78	8.54	34.80
PK	4.8799G	45.61	74.00	-28.39	5.38	3	Vertical	17	1.51	-	40.23	32.76	6.90	34.28
PK	7.31949G	50.00	74.00	-24.00	10.52	3	Vertical	146	2.50	-	39.48	36.78	8.54	34.80

BT-LE(500kbps)

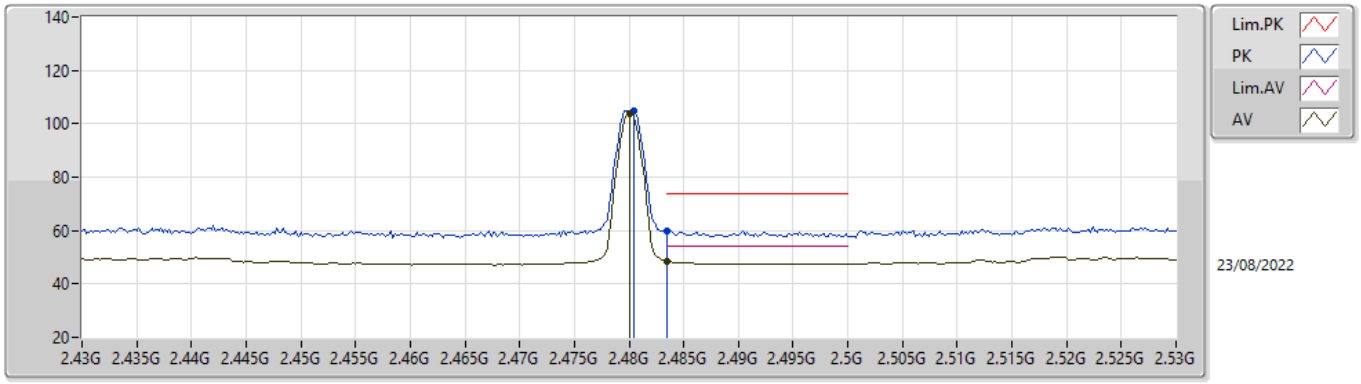
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8671G	32.73	54.00	-21.27	5.34	3	Horizontal	322	2.13	-	27.39	32.73	6.90	34.29
AV	7.32106G	42.77	54.00	-11.23	10.52	3	Horizontal	315	1.77	-	32.25	36.78	8.54	34.80
PK	4.86548G	44.42	74.00	-29.58	5.34	3	Horizontal	322	2.13	-	39.08	32.73	6.90	34.29
PK	7.32106G	53.50	74.00	-20.50	10.52	3	Horizontal	315	1.77	-	42.98	36.78	8.54	34.80

BT-LE(500kbps)

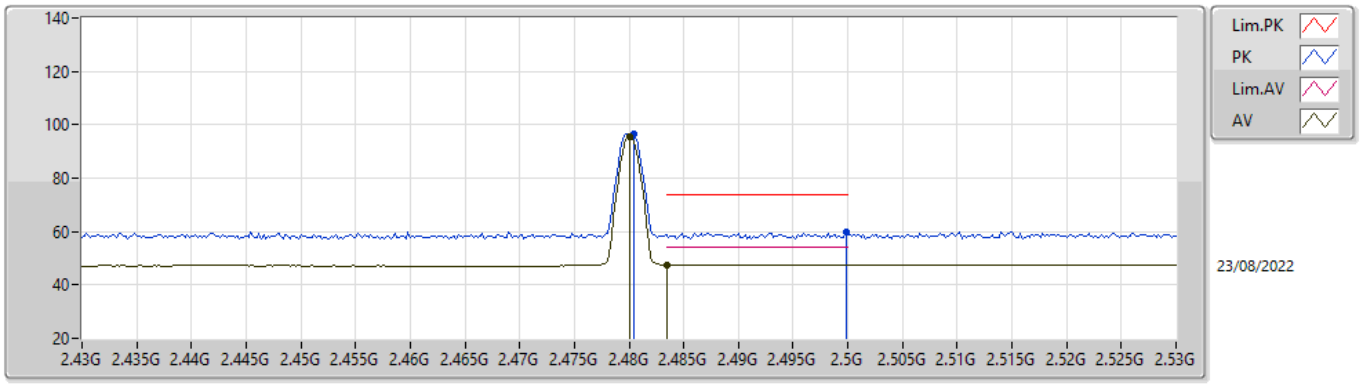
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	103.93	Inf	-Inf	32.26	3	Vertical	50	1.41	-	71.67	27.78	4.48	-
AV	2.4835G	48.47	54.00	-5.53	32.28	3	Vertical	50	1.41	-	16.19	27.80	4.48	-
PK	2.4804G	104.96	Inf	-Inf	32.26	3	Vertical	50	1.41	-	72.70	27.78	4.48	-
PK	2.4835G	60.06	74.00	-13.94	32.28	3	Vertical	50	1.41	-	27.78	27.80	4.48	-

BT-LE(500kbps)

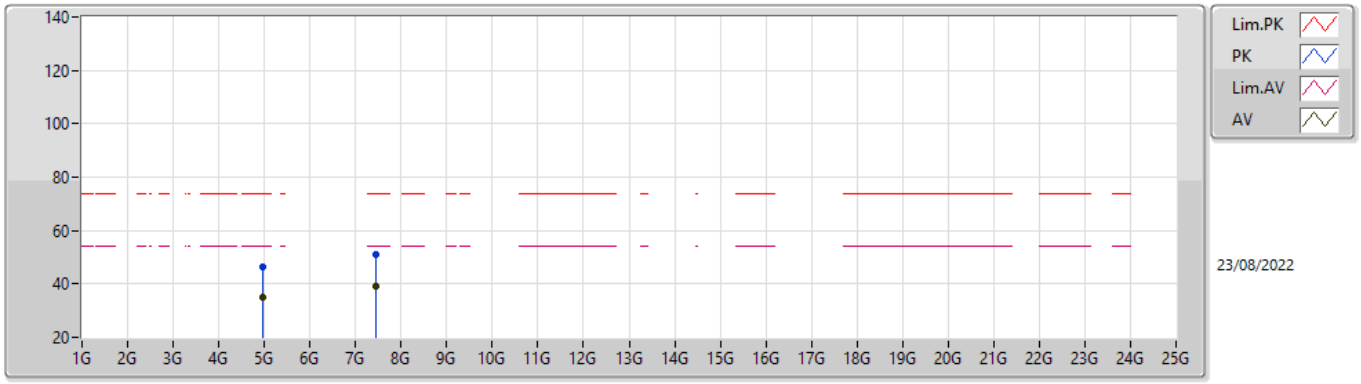
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	95.28	Inf	-Inf	32.26	3	Horizontal	52	1.37	-	63.02	27.78	4.48	-
AV	2.4835G	47.48	54.00	-6.52	32.28	3	Horizontal	52	1.37	-	15.20	27.80	4.48	-
PK	2.4804G	96.35	Inf	-Inf	32.26	3	Horizontal	52	1.37	-	64.09	27.78	4.48	-
PK	2.4998G	59.73	74.00	-14.27	32.38	3	Horizontal	52	1.37	-	27.35	27.90	4.48	-

BT-LE(500kbps)

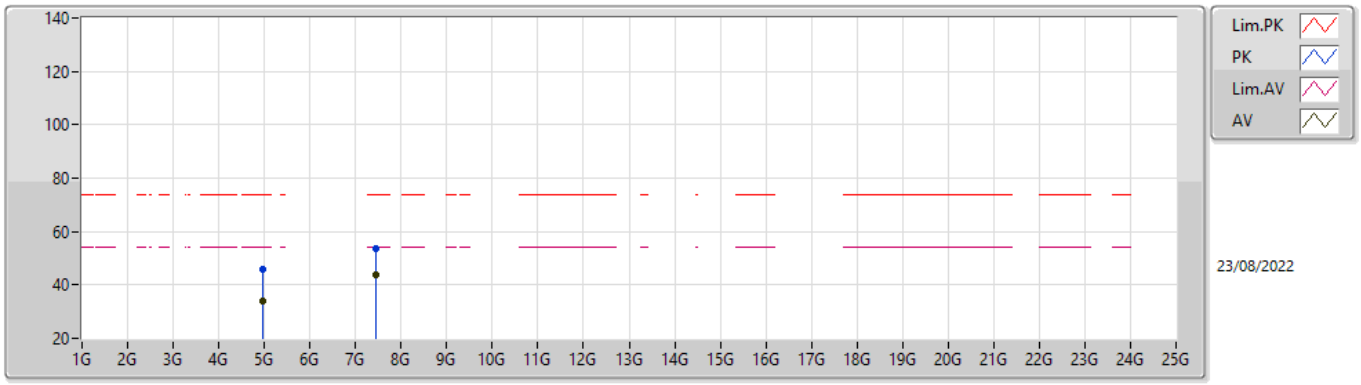
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96079G	35.01	54.00	-18.99	5.78	3	Vertical	22	1.68	-	29.23	33.14	6.91	34.27
AV	7.44107G	39.26	54.00	-14.74	10.43	3	Vertical	124	2.03	-	28.83	36.60	8.65	34.82
PK	4.96079G	46.39	74.00	-27.61	5.78	3	Vertical	22	1.68	-	40.61	33.14	6.91	34.27
PK	7.44107G	51.04	74.00	-22.96	10.43	3	Vertical	124	2.03	-	40.61	36.60	8.65	34.82

BT-LE(500kbps)

2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.95961G	34.15	54.00	-19.85	5.78	3	Horizontal	331	2.43	-	28.37	33.14	6.91	34.27
AV	7.44092G	43.90	54.00	-10.10	10.43	3	Horizontal	283	2.16	-	33.47	36.60	8.65	34.82
PK	4.95961G	45.89	74.00	-28.11	5.78	3	Horizontal	331	2.43	-	40.11	33.14	6.91	34.27
PK	7.44092G	53.63	74.00	-20.37	10.43	3	Horizontal	283	2.16	-	43.20	36.60	8.65	34.82

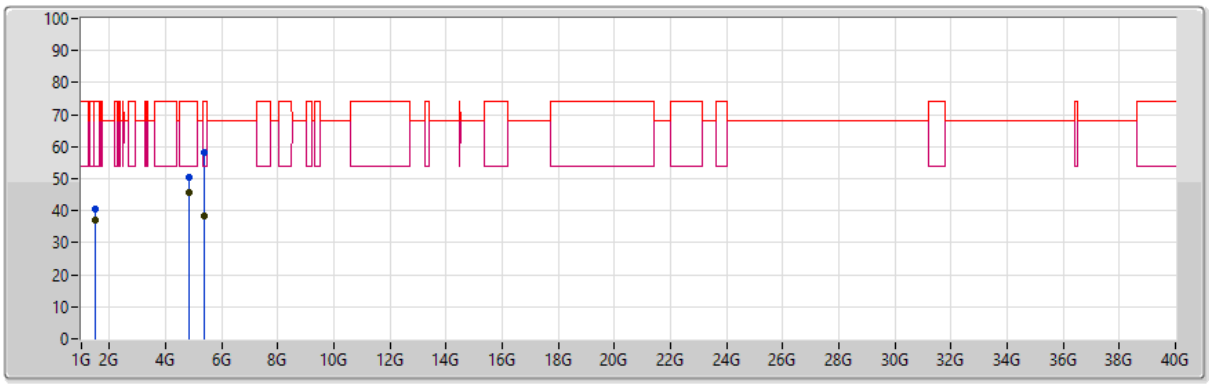
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV/m)	AF (dB/m)
Mode 1	Pass	AV	4.83G	45.81	54.00	-8.19	8.06	3	Vertical	213	1.50	-	37.75	32.56

Result

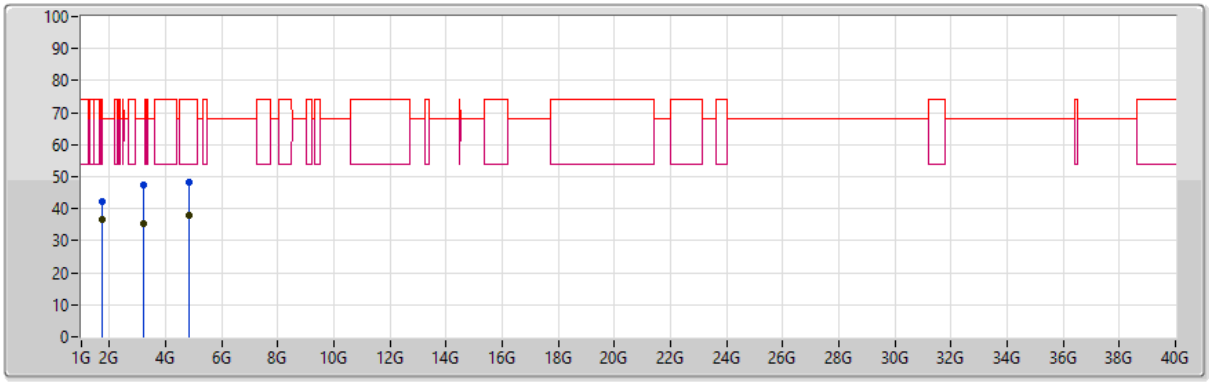
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	1.5G	37.08	54.00	-16.92	3	Vertical	85	2.78	-
Mode 1	Pass	AV	4.83G	45.81	54.00	-8.19	3	Vertical	213	1.50	-
Mode 1	Pass	AV	5.4G	38.16	54.00	-15.84	3	Vertical	17	1.52	-
Mode 1	Pass	PK	1.5G	40.60	74.00	-33.40	3	Vertical	85	2.78	-
Mode 1	Pass	PK	4.83G	50.40	74.00	-23.60	3	Vertical	213	1.50	-
Mode 1	Pass	PK	5.4G	58.00	74.00	-16.00	3	Vertical	17	1.52	-
Mode 1	Pass	AV	1.7188G	36.85	54.00	-17.15	3	Horizontal	232	1.21	-
Mode 1	Pass	AV	3.21G	35.24	68.20	-32.96	3	Horizontal	360	1.28	-
Mode 1	Pass	AV	4.83G	38.09	54.00	-15.91	3	Horizontal	316	1.50	-
Mode 1	Pass	PK	1.7188G	42.42	74.00	-31.58	3	Horizontal	232	1.21	-
Mode 1	Pass	PK	3.21G	47.34	68.20	-20.86	3	Horizontal	360	1.28	-
Mode 1	Pass	PK	4.83G	48.17	74.00	-25.83	3	Horizontal	316	1.50	-

Radiated Emissions above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.5G	37.08	54.00	-16.92	-1.94	3	Vertical	85	2.78	-	39.02	25.50	6.80	34.24
AV	4.83G	45.81	54.00	-8.19	8.06	3	Vertical	213	1.50	-	37.75	32.56	9.68	34.18
AV	5.4G	38.16	54.00	-15.84	8.63	3	Vertical	17	1.52	-	29.53	32.80	10.00	34.17
PK	1.5G	40.60	74.00	-33.40	-1.94	3	Vertical	85	2.78	-	42.54	25.50	6.80	34.24
PK	4.83G	50.40	74.00	-23.60	8.06	3	Vertical	213	1.50	-	42.34	32.56	9.68	34.18
PK	5.4G	58.00	74.00	-16.00	8.63	3	Vertical	17	1.52	-	49.37	32.80	10.00	34.17

Radiated Emissions above 1GHz_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.7188G	36.85	54.00	-17.15	-1.63	3	Horizontal	232	1.21	-	38.48	25.22	7.33	34.18
AV	3.21G	35.24	68.20	-32.96	4.41	3	Horizontal	360	1.28	-	30.83	29.90	8.86	34.35
AV	4.83G	38.09	54.00	-15.91	8.06	3	Horizontal	316	1.50	-	30.03	32.56	9.68	34.18
PK	1.7188G	42.42	74.00	-31.58	-1.63	3	Horizontal	232	1.21	-	44.05	25.22	7.33	34.18
PK	3.21G	47.34	68.20	-20.86	4.41	3	Horizontal	360	1.28	-	42.93	29.90	8.86	34.35
PK	4.83G	48.17	74.00	-25.83	8.06	3	Horizontal	316	1.50	-	40.11	32.56	9.68	34.18