Testing Laboratory 3785

FCC Radio Test Report

FCC ID	:	**2A4DH-1021**
Equipment	:	**802.11a/b/g/n/ac dual-band Wi-Fi + BT 5.1 Module**
Model Name	:	**WM-BAC-MT-53**
Applicant	:	**Amazon.com Services LLC 410 Terry Avenue North, Seattle, WA 98109, USA**
Manufacturer	:	**Amazon.com Services LLC 410 Terry Avenue North, Seattle, WA 98109, USA**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on May 27, 2022, and testing was started from Jun. 15, 2022 and completed on Jul. 12, 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
FR252304AL	01	Initial issue of report	Aug. 17, 2022
FR252304AL	02	Revised typo (This report is the latest version replacing for the report issued on Aug. 17, 2022.)	Sep. 16, 2022
FR252304AL	03	Revised typo (This report is the latest version replacing for the report issued on Sep. 16, 2022.)	Oct. 31, 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: Ben Tseng

Report Producer: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Mode	Ch. Frequency (MHz)	Channel Number
2400-2483.5	LE	2402-2480	0-39 [40]

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

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	USI	MT53	PIFA	N/A
2	USI	MT53	PIFA	N/A

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	4.27	6.06	-
2	1	-	-	4.35

Note: The antenna mentioned above will not be sold with the EUT in the market.

For 2.4GHz function:

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

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

For BT function:

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

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

For 5GHz function:

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

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

1.1.3 EUT Information

Operational Condition					
EUT Power Type	From Test Fixture				
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(125kbps)	0.97	0.13	17.048m	100
BT-LE(500kbps)	0.91	0.41	4.552m	300
BT-LE(1Mbps)	0.615	2.11	384.375u	3k
BT-LE(2Mbps)	0.599	2.23	1.073m	1k

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 **(TAF:** 3785**)**	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		**FAX:** 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
AC Conduction	CO04-HY	Ivan Chung	23.1~23.3°C / 57~59%	01/Jul/2022~06/Jul/2022
RF Conducted	TH07-HY	Yuna Lin	22.6~23.9°C / 54~59%	15/Jun/2022~27/Jun/2022
Radiated	03CH03-HY	Billy Wang	23.5~24.4°C / 55~60%	18/Jun/2022~12/Jul/2022
☐ Wen 33rd.St. **(TAF:** 3785**)**	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		**FAX:** 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	**Uncertainty**	**Remark**
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	Terminal:7663mp1827

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	m7s0
2440MHz	m7s0
2480MHz	m7s0
BT-LE(2Mbps)	-
2402MHz	m7s0
2440MHz	m7s0
2480MHz	m7s0
BT-LE(125kbps)	-
2402MHz	m7s0
2440MHz	m7s0
2480MHz	m7s0
BT-LE(500kbps)	-
2402MHz	m7s0
2440MHz	m7s0
2480MHz	m7s0

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	Test Fixture 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	Test Fixture 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	802.11b channel 6 (2437MHz) + BLE 1M channel 17 (2440MHz)
2	802.11a channel 48 (5240MHz) + BLE 1M channel 17 (2440MHz)
3	802.11b channel 11 (2462MHz) + BLE 1M channel 11 (2424MHz)
4	802.11b channel 8 (2447MHz) + BLE 1M channel 1 (2404MHz)
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
Refer to Sporton Test Report No.: FA252304 for Co-location RF Exposure Evaluation.	

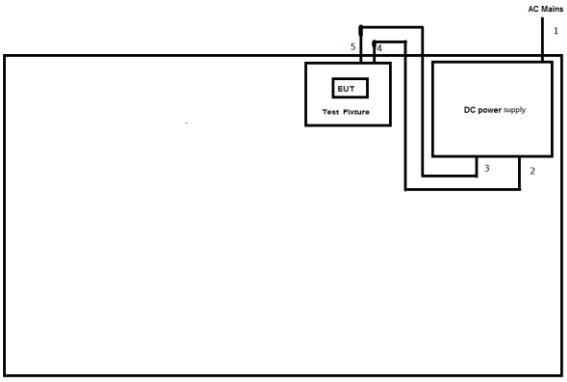
2.3 Support Equipment

Support Equipment – AC Conduction and Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	AC Power Cable	Power sync	PW-GPC180-3	-	-
2	DC Power Cable(+)	MiSUMi	WTN1229-BLACK	-	-
3	DC Power Cable(-)	MiSUMi	WTN1229-RED	-	-
4	Fixture	-	-	-	Provided by Customer
5	DC Power Supply	GW	GPR-3510HD	-	-

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	HP	HSTNN-142C	-	-
2	Adapter for NB	HP	HSTNN-LA40	-	-
3	DC Power Supply	GW	GPR-3510HD	-	-
4	DC Power Cable(+)	MiSUMi	WTN1229-BLACK	-	-
5	DC Power Cable(-)	MiSUMi	WTN1229-RED	-	-

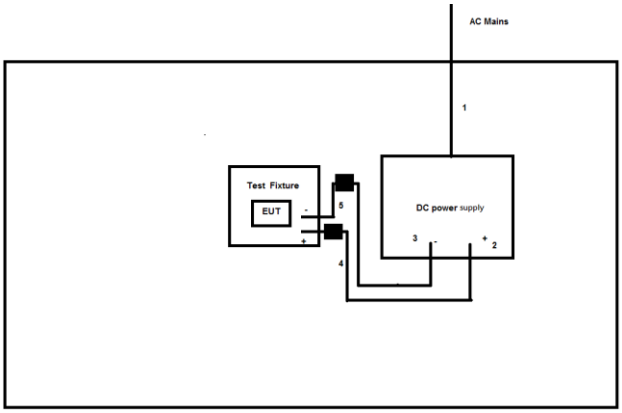
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable(+)	No	1.0	-
3	DC Power cable(-)	No	1.0	-
4	DC Power cable(+)	No	0.1	-
5	DC Power cable(-)	No	0.1	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable(+)	No	1.0	-
3	DC Power cable(-)	No	1.0	-
4	DC Power cable(+)	No	0.1	-
5	DC Power cable(-)	No	0.1	-

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

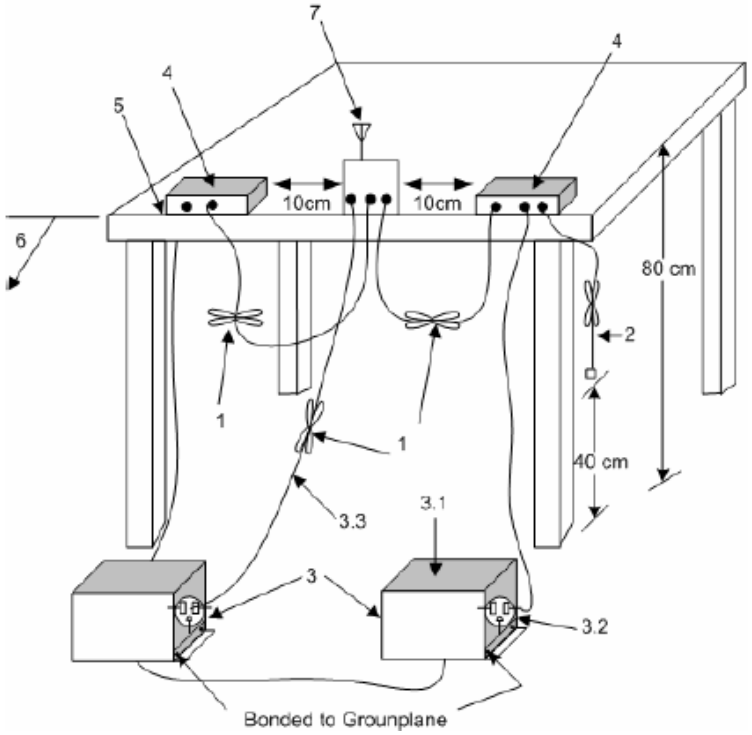
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.

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 50Ωloads. 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.

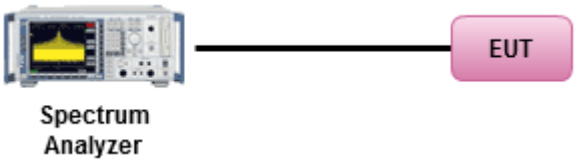
3.2.2 Measuring Instruments

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 (11.9.2.3.1 Method AVGPM 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

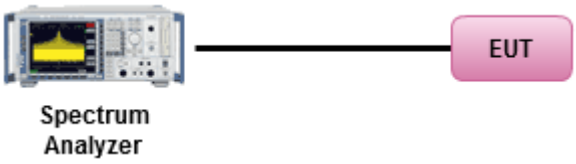
3.4.2 Measuring Instruments

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 (11.10.2 Method PKPSD 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.	

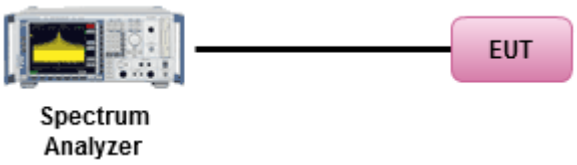
3.5.2 Measuring Instruments

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.

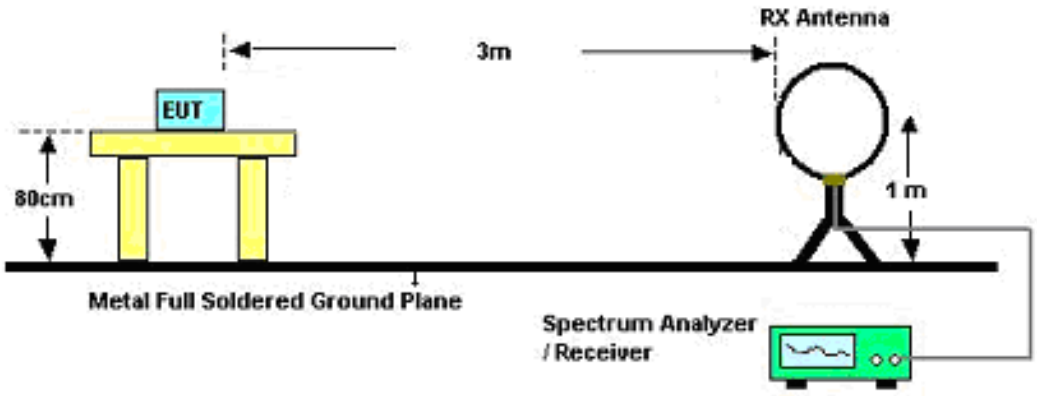
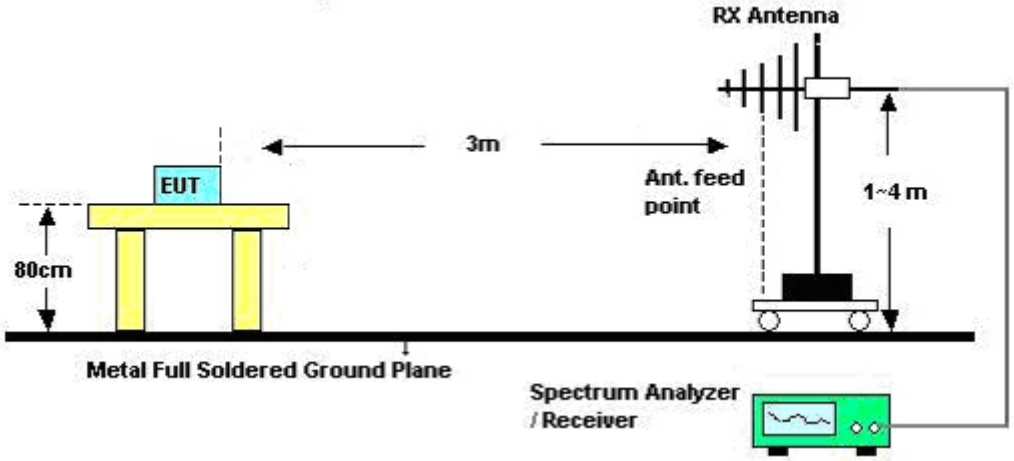
3.6.3 Test Procedures

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.

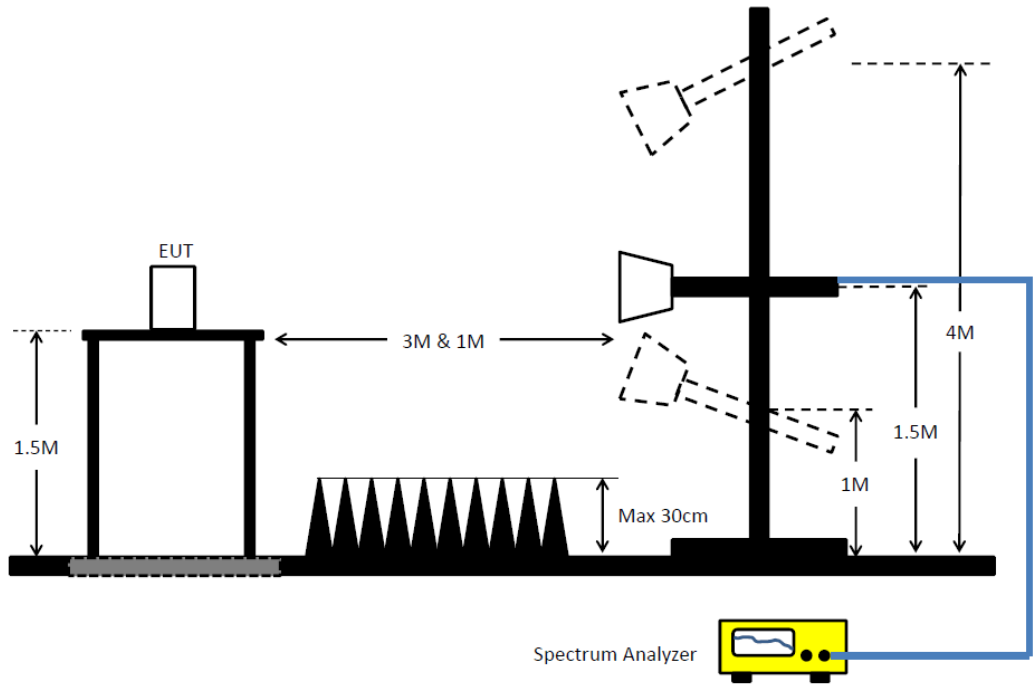
3.6.4 Measurement Results Calculation

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	ESR	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	V5.10.14	-	NCR	NCR

NCR: No Calibration Required

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	03/Aug/2021	02/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
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	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
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	15/Jul/2021	14/Jul/2022
SENSE-EMI	Sporton	v5.10.7.15	NA	NA	NA	NA
SENSE-FS	Sporton	v5.10.7.14	NA	NA	NA	NA

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

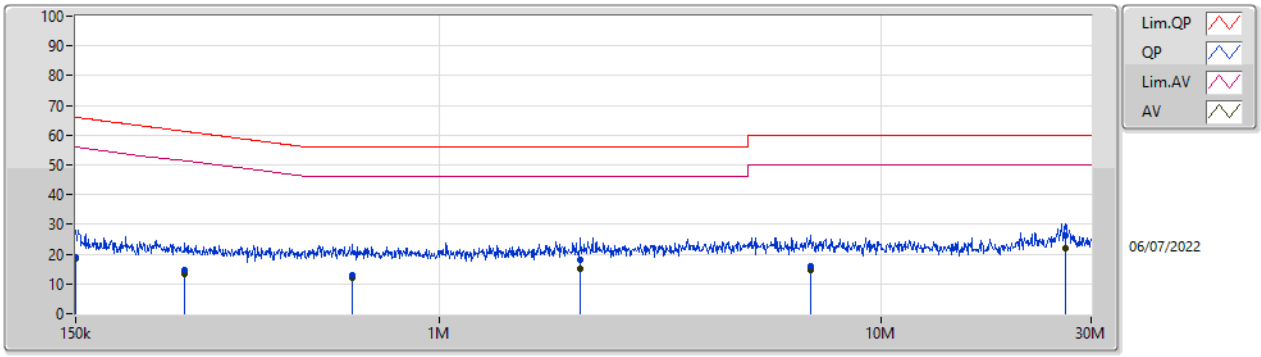
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	26.169M	22.03	50.00	-27.97	Line

Result

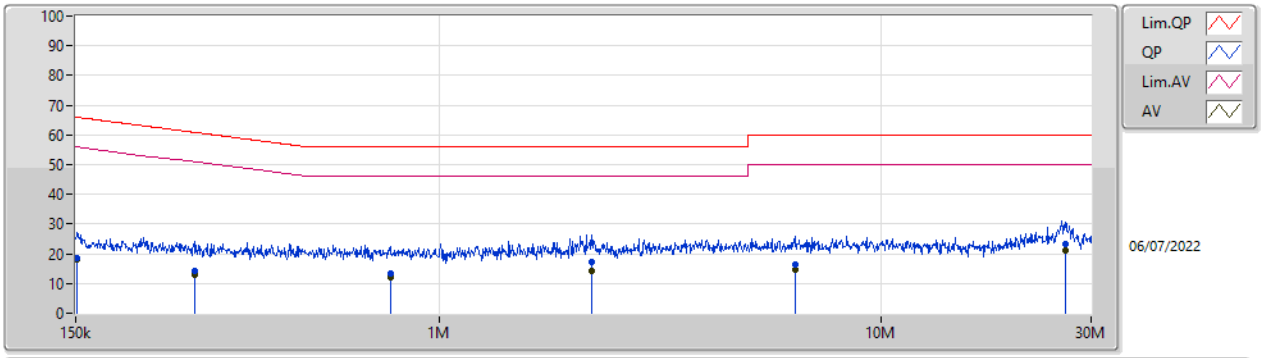
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	150k	18.84	66.00	-47.16	Line	-
Mode 1	Pass	AV	150k	18.35	56.00	-37.65	Line	-
Mode 1	Pass	QP	265.468k	14.53	61.26	-46.73	Line	-
Mode 1	Pass	AV	265.468k	13.18	51.26	-38.08	Line	-
Mode 1	Pass	QP	636.349k	13.13	56.00	-42.87	Line	-
Mode 1	Pass	AV	636.349k	12.13	46.00	-33.87	Line	-
Mode 1	Pass	QP	2.091M	18.31	56.00	-37.69	Line	-
Mode 1	Pass	AV	2.091M	14.93	46.00	-31.07	Line	-
Mode 1	Pass	QP	6.926M	16.03	60.00	-43.97	Line	-
Mode 1	Pass	AV	6.926M	14.82	50.00	-35.18	Line	-
Mode 1	Pass	QP	26.169M	26.15	60.00	-33.85	Line	-
Mode 1	Pass	AV	26.169M	22.03	50.00	-27.97	Line	-
Mode 1	Pass	QP	151.202k	18.66	65.92	-47.26	Neutral	-
Mode 1	Pass	AV	151.202k	18.09	55.92	-37.83	Neutral	-
Mode 1	Pass	QP	278.495k	14.40	60.86	-46.46	Neutral	-
Mode 1	Pass	AV	278.495k	12.96	50.86	-37.90	Neutral	-
Mode 1	Pass	QP	773.833k	13.35	56.00	-42.65	Neutral	-
Mode 1	Pass	AV	773.833k	12.15	46.00	-33.85	Neutral	-
Mode 1	Pass	QP	2.211M	17.24	56.00	-38.76	Neutral	-
Mode 1	Pass	AV	2.211M	14.36	46.00	-31.64	Neutral	-
Mode 1	Pass	QP	6.42M	16.21	60.00	-43.79	Neutral	-
Mode 1	Pass	AV	6.42M	14.83	50.00	-35.17	Neutral	-
Mode 1	Pass	QP	26.169M	23.23	60.00	-36.77	Neutral	-
Mode 1	Pass	AV	26.169M	20.99	50.00	-29.01	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	150k	18.84	66.00	-47.16	19.63	Line	-	-0.79	9.69	0.03	9.91
AV	150k	18.35	56.00	-37.65	19.63	Line	-	-1.28	9.69	0.03	9.91
QP	265.468k	14.53	61.26	-46.73	19.63	Line	-	-5.10	9.69	0.03	9.91
AV	265.468k	13.18	51.26	-38.08	19.63	Line	-	-6.45	9.69	0.03	9.91
QP	636.349k	13.13	56.00	-42.87	19.65	Line	-	-6.52	9.68	0.05	9.92
AV	636.349k	12.13	46.00	-33.87	19.65	Line	-	-7.52	9.68	0.05	9.92
QP	2.091M	18.31	56.00	-37.69	19.70	Line	-	-1.39	9.70	0.08	9.92
AV	2.091M	14.93	46.00	-31.07	19.70	Line	-	-4.77	9.70	0.08	9.92
QP	6.926M	16.03	60.00	-43.97	19.86	Line	-	-3.83	9.77	0.16	9.93
AV	6.926M	14.82	50.00	-35.18	19.86	Line	-	-5.04	9.77	0.16	9.93
QP	26.169M	26.15	60.00	-33.85	20.05	Line	-	6.10	9.80	0.32	9.93
AV	26.169M	22.03	50.00	-27.97	20.05	Line	-	1.98	9.80	0.32	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	151.202k	18.66	65.92	-47.26	19.67	Neutral	-	-1.01	9.73	0.03	9.91
AV	151.202k	18.09	55.92	-37.83	19.67	Neutral	-	-1.58	9.73	0.03	9.91
QP	278.495k	14.40	60.86	-46.46	19.66	Neutral	-	-5.26	9.72	0.03	9.91
AV	278.495k	12.96	50.86	-37.90	19.66	Neutral	-	-6.70	9.72	0.03	9.91
QP	773.833k	13.35	56.00	-42.65	19.70	Neutral	-	-6.35	9.73	0.05	9.92
AV	773.833k	12.15	46.00	-33.85	19.70	Neutral	-	-7.55	9.73	0.05	9.92
QP	2.211M	17.24	56.00	-38.76	19.75	Neutral	-	-2.51	9.74	0.09	9.92
AV	2.211M	14.36	46.00	-31.64	19.75	Neutral	-	-5.39	9.74	0.09	9.92
QP	6.42M	16.21	60.00	-43.79	19.92	Neutral	-	-3.71	9.83	0.16	9.93
AV	6.42M	14.83	50.00	-35.17	19.92	Neutral	-	-5.09	9.83	0.16	9.93
QP	26.169M	23.23	60.00	-36.77	20.34	Neutral	-	2.89	10.09	0.32	9.93
AV	26.169M	20.99	50.00	-29.01	20.34	Neutral	-	0.65	10.09	0.32	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)	701.25k	1.033M	1M03F1D	681.25k	1.029M
BT-LE(2Mbps)	1.228M	2.044M	2M04F1D	1.223M	2.021M
BT-LE(125kbps)	702.5k	1.057M	1M06F1D	690k	1.053M
BT-LE(500kbps)	666.25k	1.023M	1M02F1D	661.25k	1.017M

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

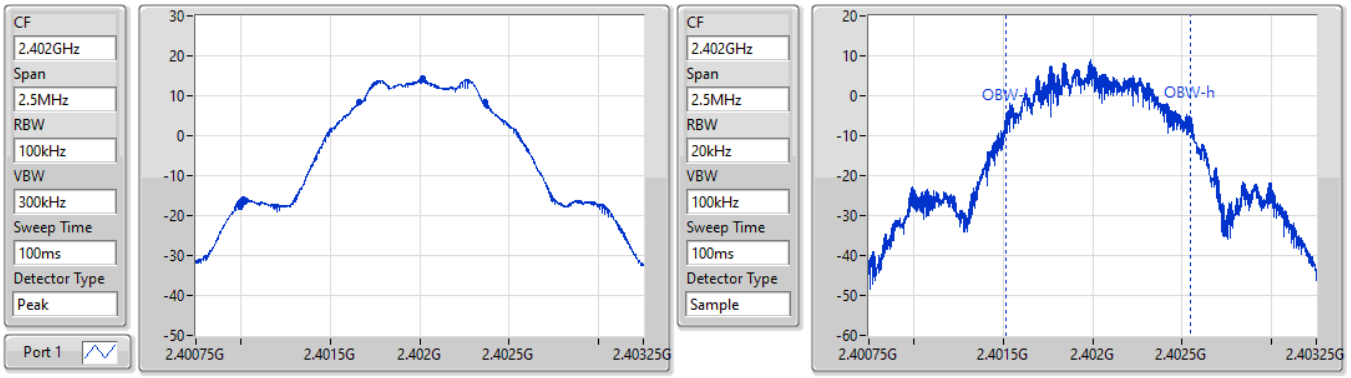
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	701.25k	1.033M
2440MHz	Pass	500k	690k	1.033M
2480MHz	Pass	500k	681.25k	1.029M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.228M	2.044M
2440MHz	Pass	500k	1.225M	2.021M
2480MHz	Pass	500k	1.223M	2.036M
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	500k	700k	1.057M
2440MHz	Pass	500k	702.5k	1.056M
2480MHz	Pass	500k	690k	1.053M
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	500k	661.25k	1.021M
2440MHz	Pass	500k	666.25k	1.023M
2480MHz	Pass	500k	661.25k	1.017M

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

BT-LE(1Mbps) EBW-DTS

2402MHz

15/06/2022

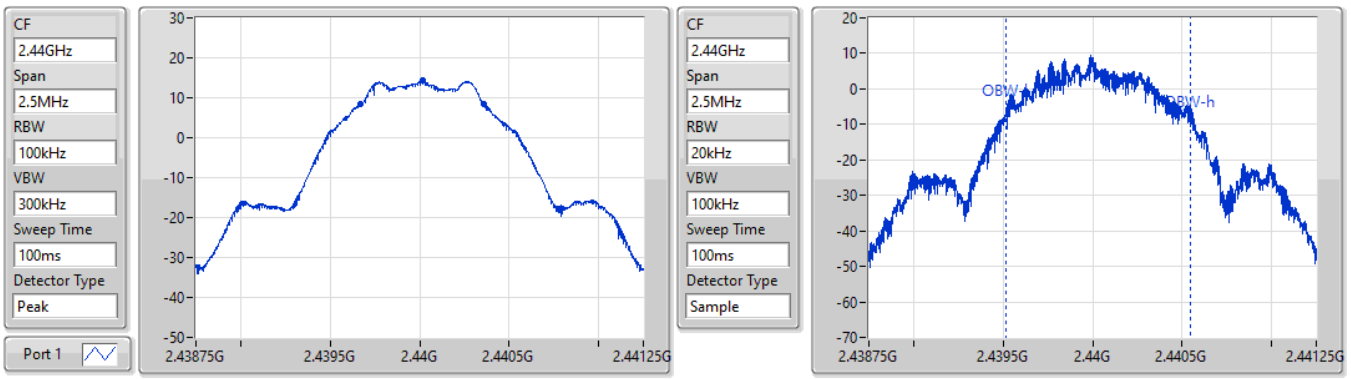


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
701.25k	2.401664G	2.402365G	1.033M	2.401514G	2.402547G	500k	1

BT-LE(1Mbps) EBW-DTS

2440MHz

15/06/2022

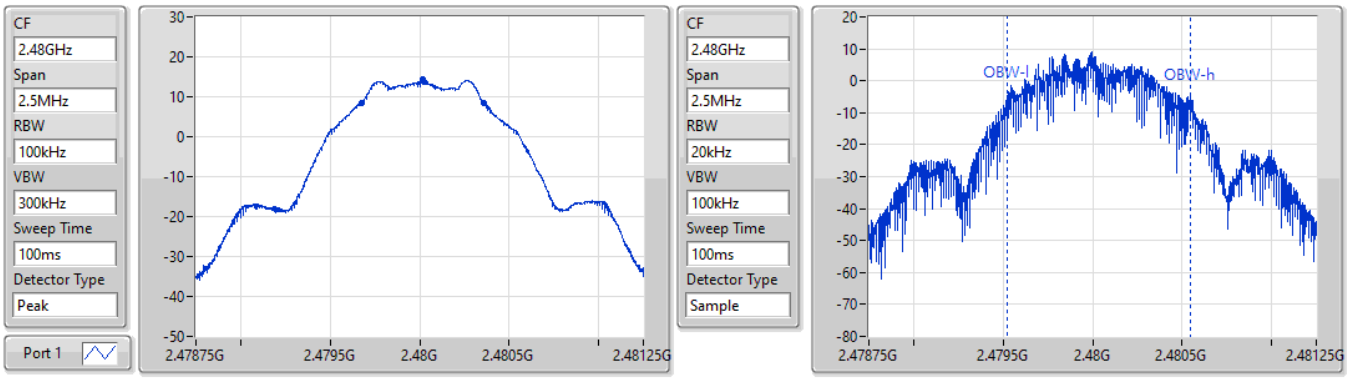


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
690k	2.439671G	2.440361G	1.033M	2.439513G	2.440546G	500k	1

BT-LE(1Mbps) EBW-DTS

2480MHz

15/06/2022

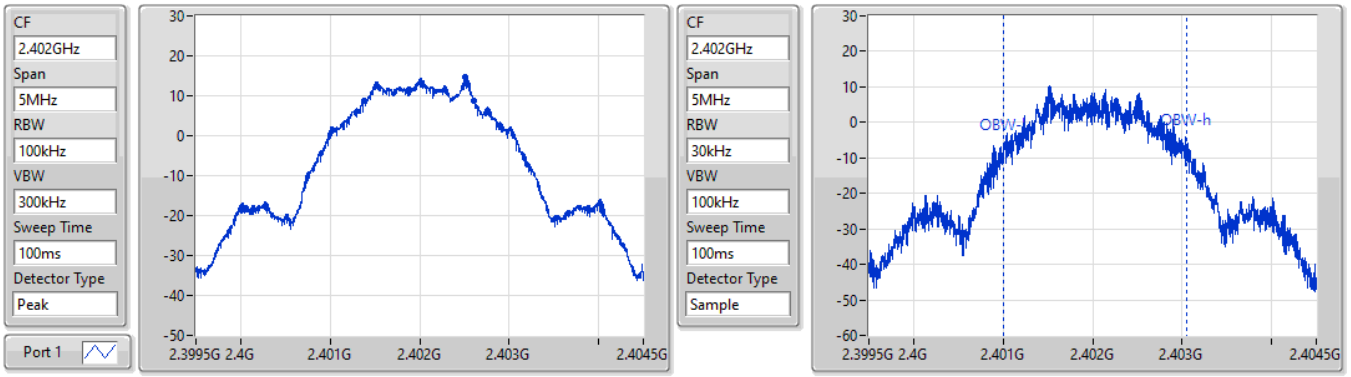


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
681.25k	2.479676G	2.480358G	1.029M	2.47952G	2.48055G	500k	1

BT-LE(2Mbps) EBW-DTS

2402MHz

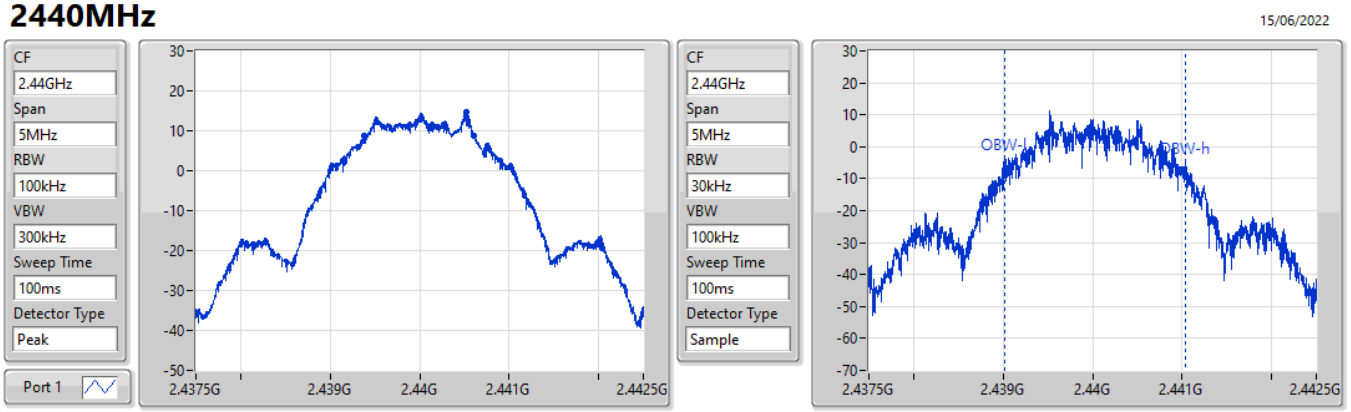
15/06/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.228M	2.401375G	2.402603G	2.044M	2.401003G	2.403047G	500k	1

BT-LE(2Mbps) EBW-DTS

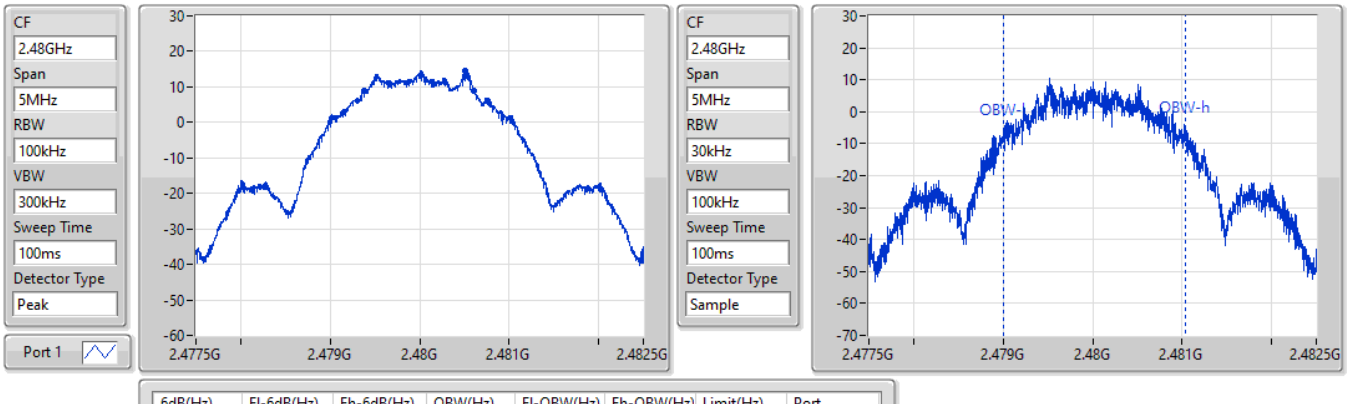
2440MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.225M	2.439375G	2.4406G	2.021M	2.439015G	2.441037G	500k	1

BT-LE(2Mbps) EBW-DTS

2480MHz

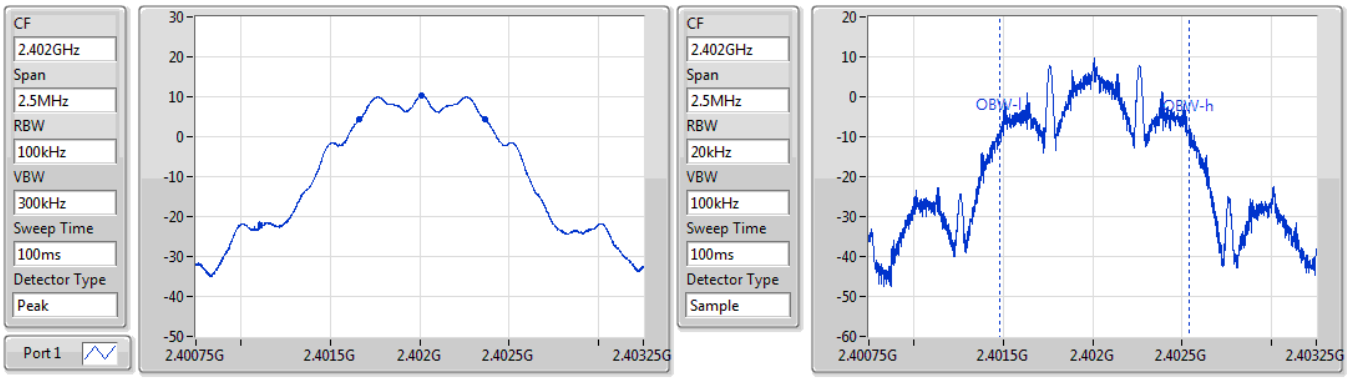


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.223M	2.479378G	2.4806G	2.036M	2.479G	2.481037G	500k	1

BT-LE(125kbps) EBW-DTS

2402MHz

27/06/2022

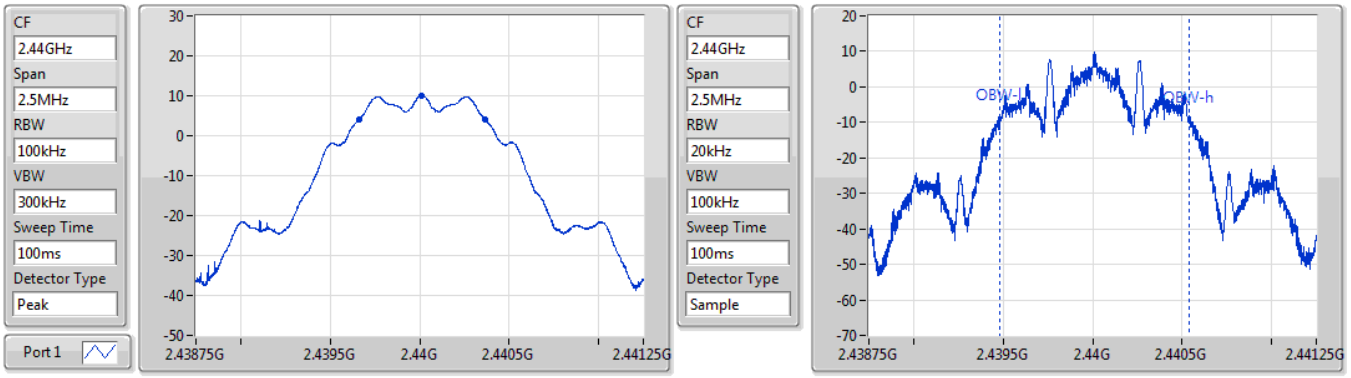


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
700k	2.401664G	2.402364G	1.057M	2.40148G	2.402537G	500k	1

BT-LE(125kbps) EBW-DTS

2440MHz

27/06/2022

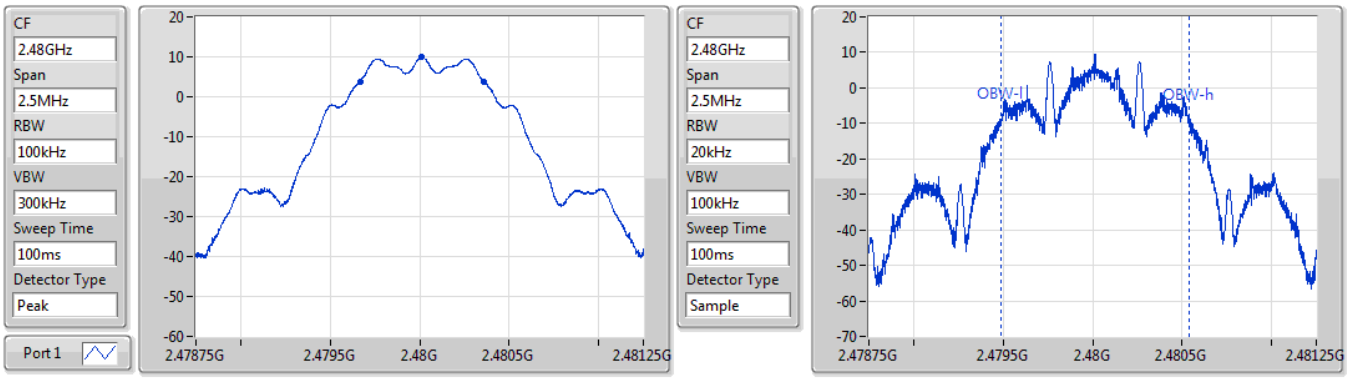


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
702.5k	2.439663G	2.440365G	1.056M	2.439484G	2.44054G	500k	1

BT-LE(125kbps) EBW-DTS

2480MHz

27/06/2022

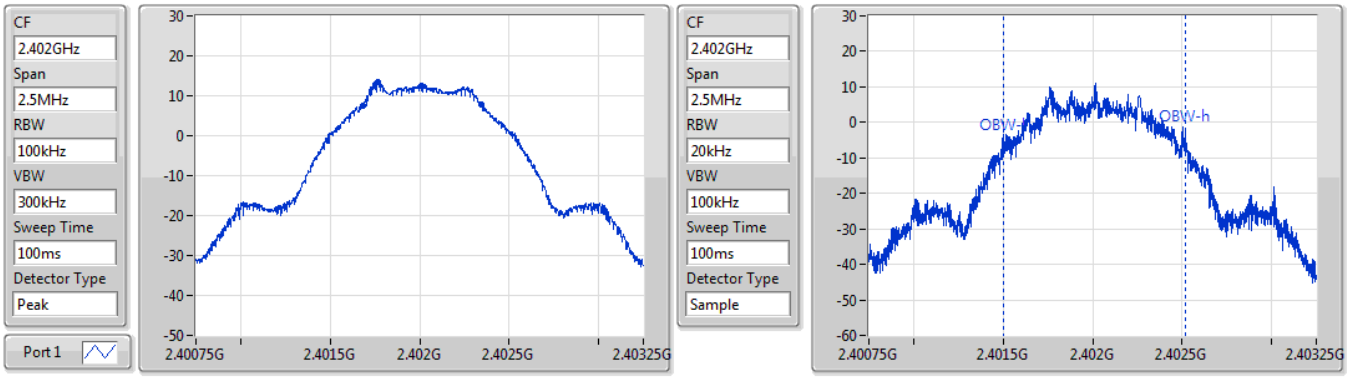


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
690k	2.479666G	2.480356G	1.053M	2.479485G	2.480538G	500k	1

BT-LE(500kbps) EBW-DTS

2402MHz

27/06/2022

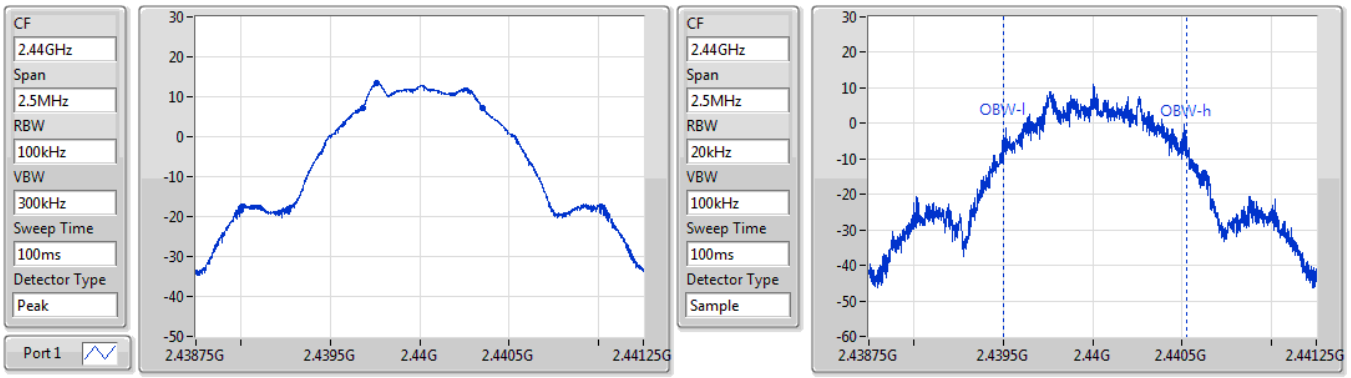


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
661.25k	2.401686G	2.402348G	1.021M	2.4015G	2.402521G	500k	1

BT-LE(500kbps) EBW-DTS

2440MHz

27/06/2022

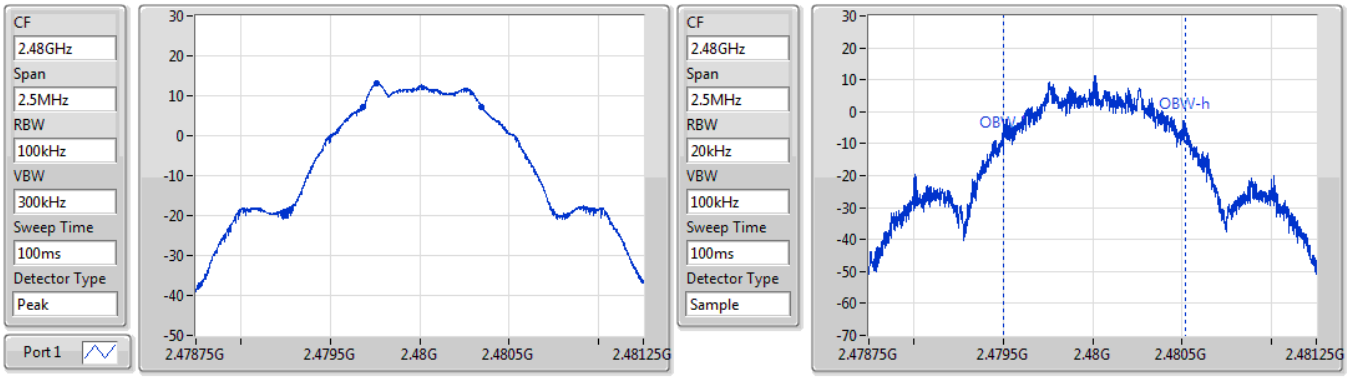


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
666.25k	2.439686G	2.440353G	1.023M	2.4395G	2.440523G	500k	1

BT-LE(500kbps) EBW-DTS

2480MHz

27/06/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
661.25k	2.479686G	2.480348G	1.017M	2.479505G	2.480522G	500k	1

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	14.44	0.02780
BT-LE(2Mbps)	14.63	0.02904
BT-LE(125kbps)	14.54	0.02844
BT-LE(500kbps)	14.47	0.02799

Note: IF DC<0.98, the DCF was added while measuring. The DCF please refer to section 1.1.4.

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.35	14.36	30.00
2440MHz	Pass	4.35	14.44	30.00
2480MHz	Pass	4.35	14.33	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.35	14.62	30.00
2440MHz	Pass	4.35	14.47	30.00
2480MHz	Pass	4.35	14.63	30.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	4.35	14.54	30.00
2440MHz	Pass	4.35	14.26	30.00
2480MHz	Pass	4.35	14.11	30.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	4.35	14.47	30.00
2440MHz	Pass	4.35	14.26	30.00
2480MHz	Pass	4.35	14.14	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-0.08
BT-LE(2Mbps)	2.47
BT-LE(125kbps)	7.47
BT-LE(500kbps)	6.71

Note: IF DC<0.98, the DCF was added while measuring. The DCF please refer to section 1.1.4.
RBW = 3kHz;

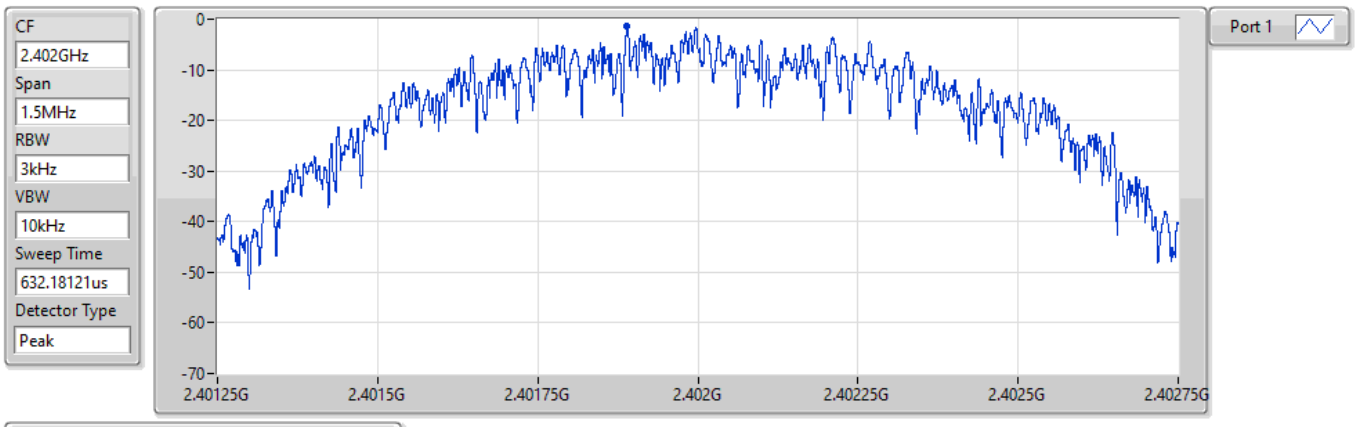
Result

Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.35	-1.29	8.00
2440MHz	Pass	4.35	-0.08	8.00
2480MHz	Pass	4.35	-0.49	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.35	2.47	8.00
2440MHz	Pass	4.35	-2.15	8.00
2480MHz	Pass	4.35	2.36	8.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	4.35	7.47	8.00
2440MHz	Pass	4.35	7.25	8.00
2480MHz	Pass	4.35	6.98	8.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	4.35	2.31	8.00
2440MHz	Pass	4.35	6.71	8.00
2480MHz	Pass	4.35	5.26	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

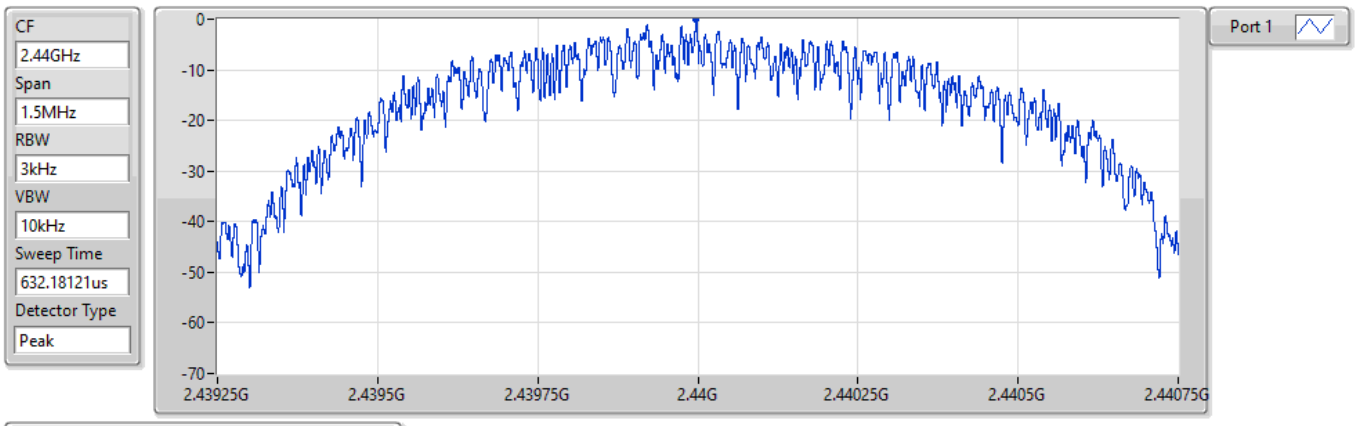
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.29	-1.29	-1.29

BT-LE(1Mbps) PSD

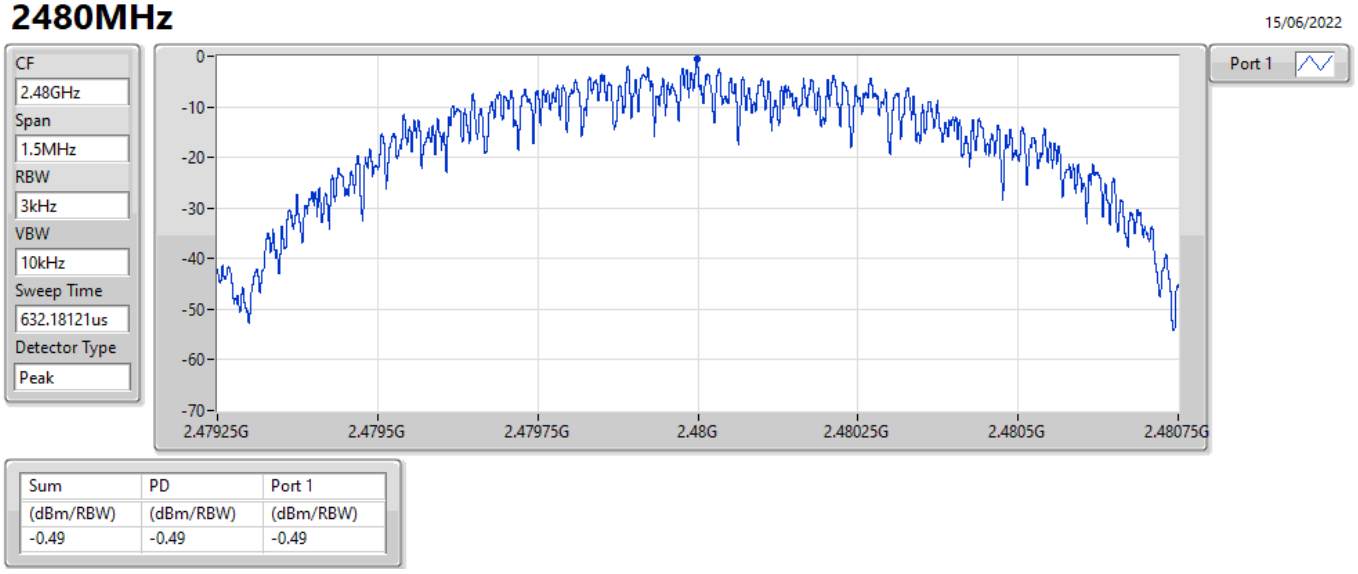
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.08	-0.08	-0.08

BT-LE(1Mbps) PSD

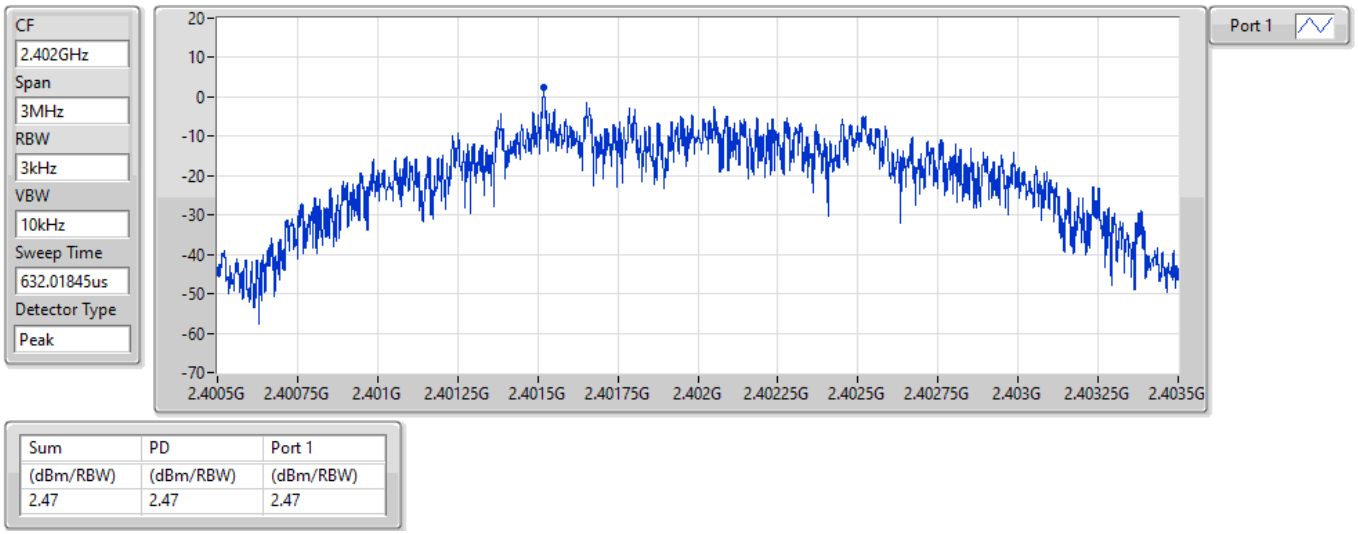
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.49	-0.49	-0.49

BT-LE(2Mbps) PSD

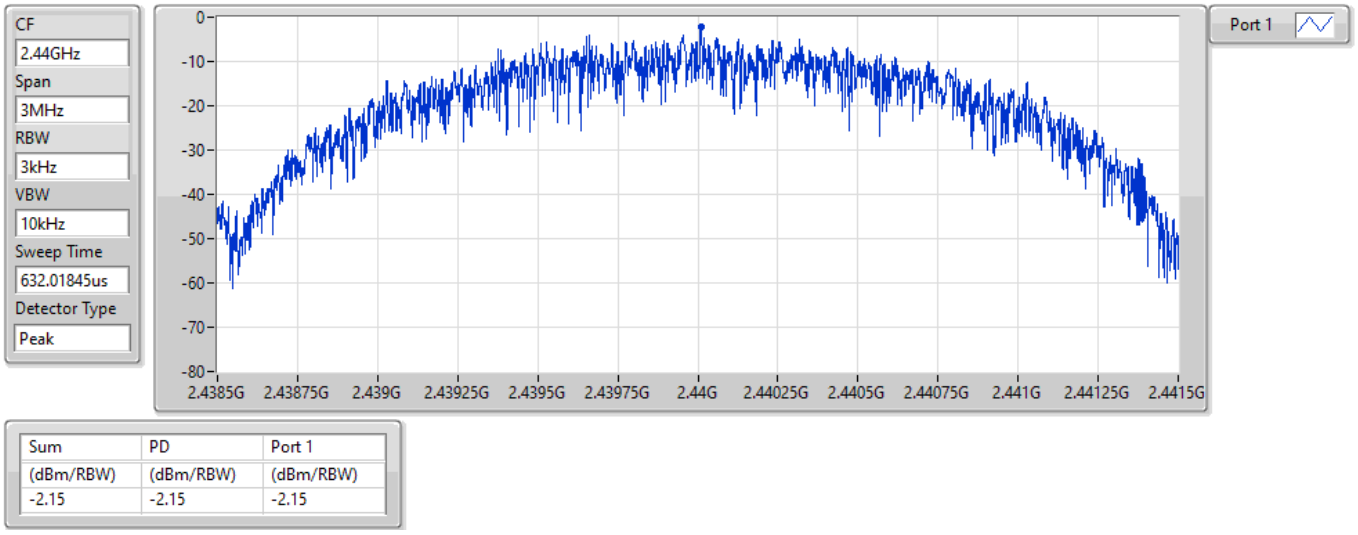
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.47	2.47	2.47

BT-LE(2Mbps) PSD

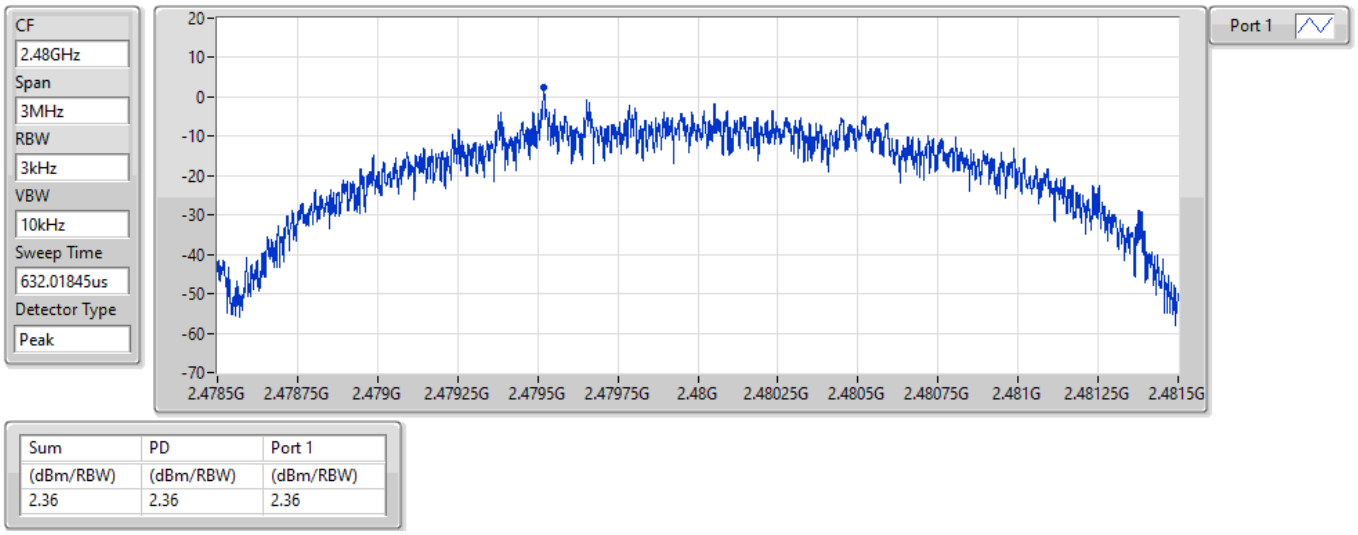
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.15	-2.15	-2.15

BT-LE(2Mbps) PSD

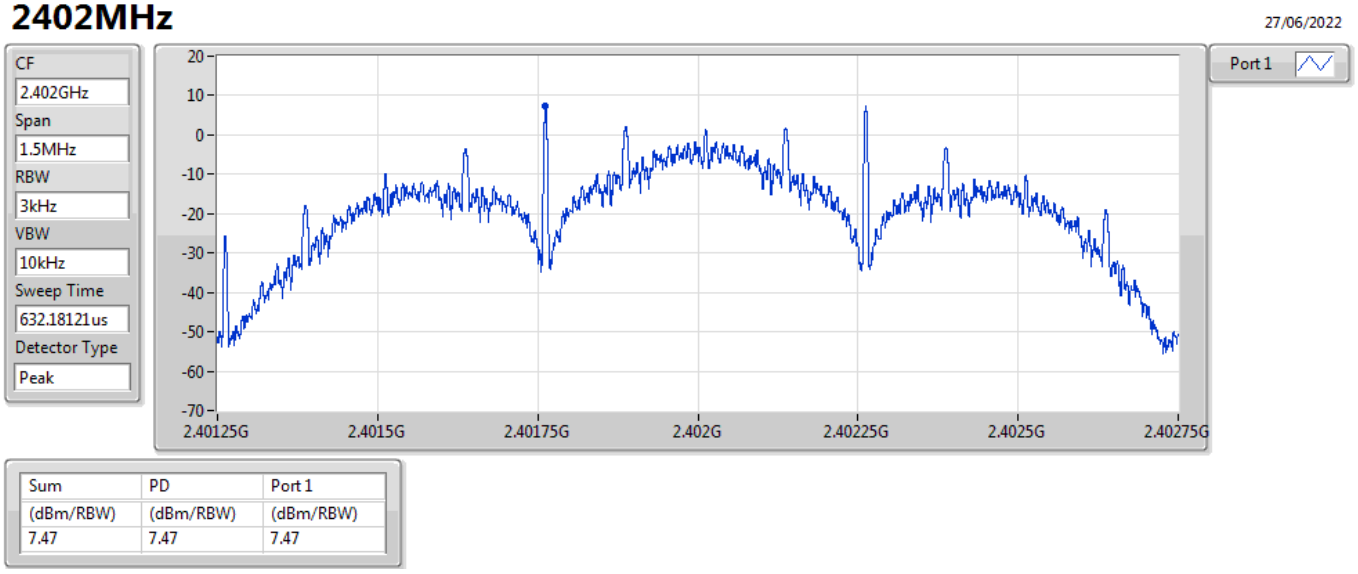
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.36	2.36	2.36

BT-LE(125kbps) PSD

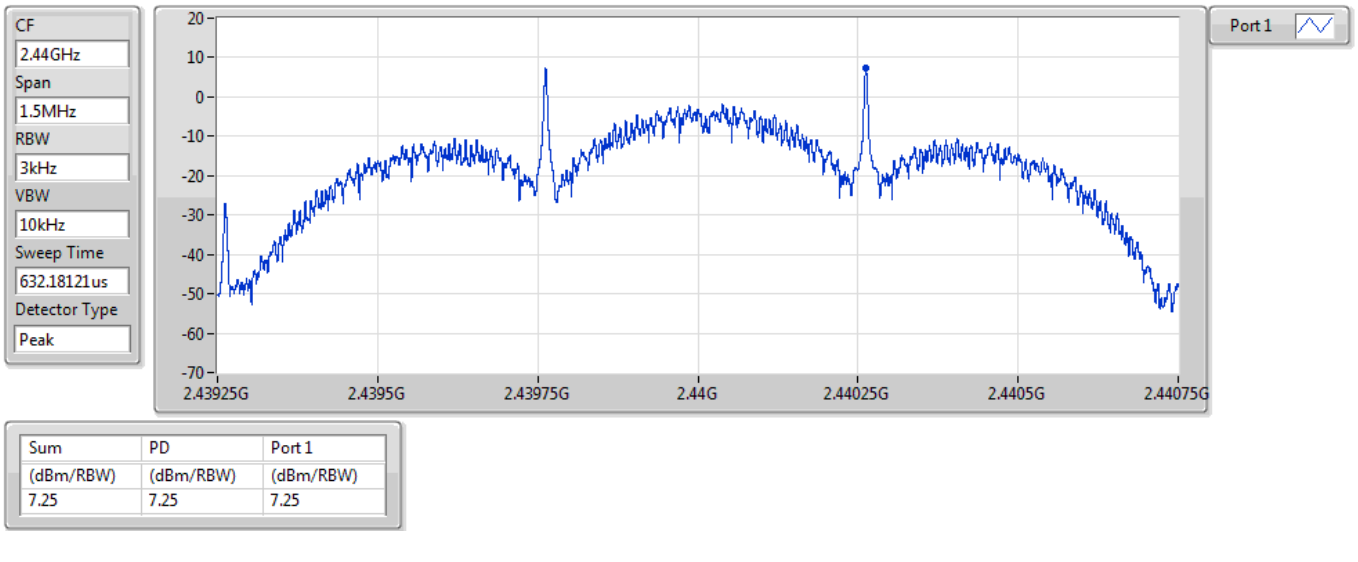
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.47	7.47	7.47

BT-LE(125kbps) PSD

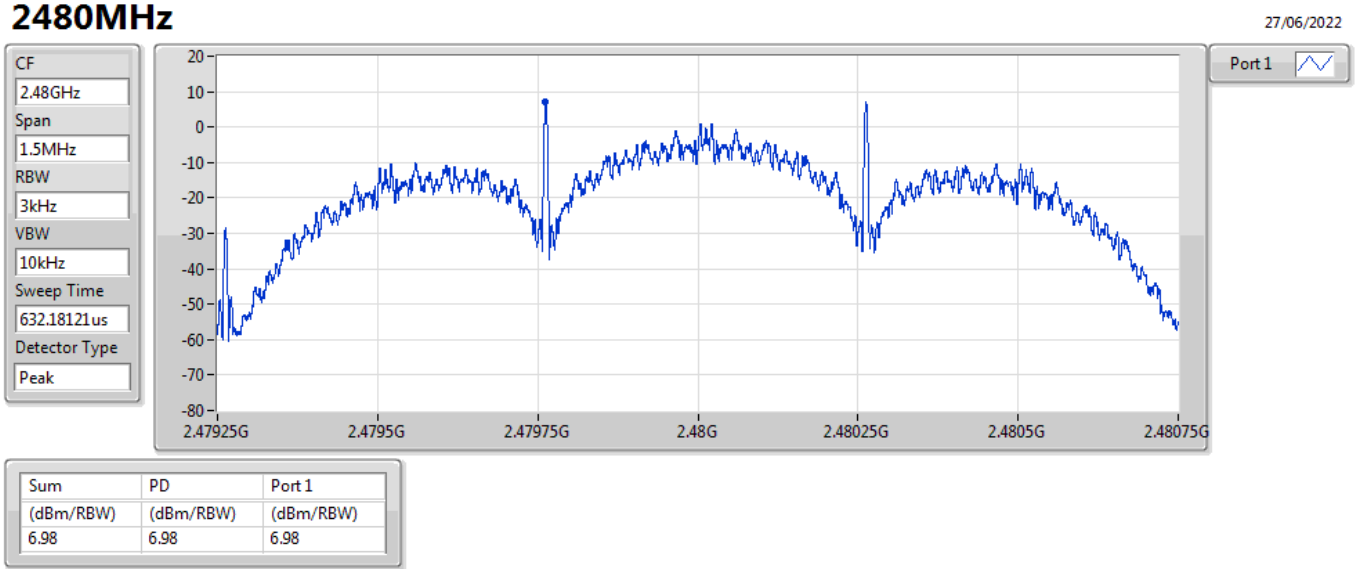
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.25	7.25	7.25

BT-LE(125kbps) PSD

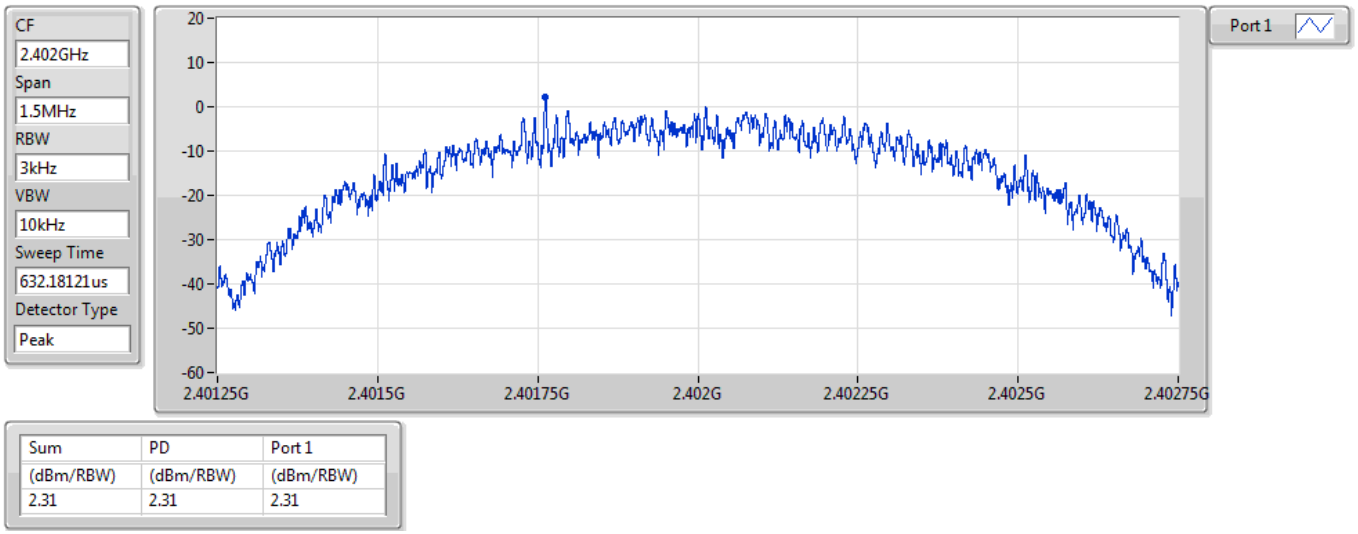
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.98	6.98	6.98

BT-LE(500kbps) PSD

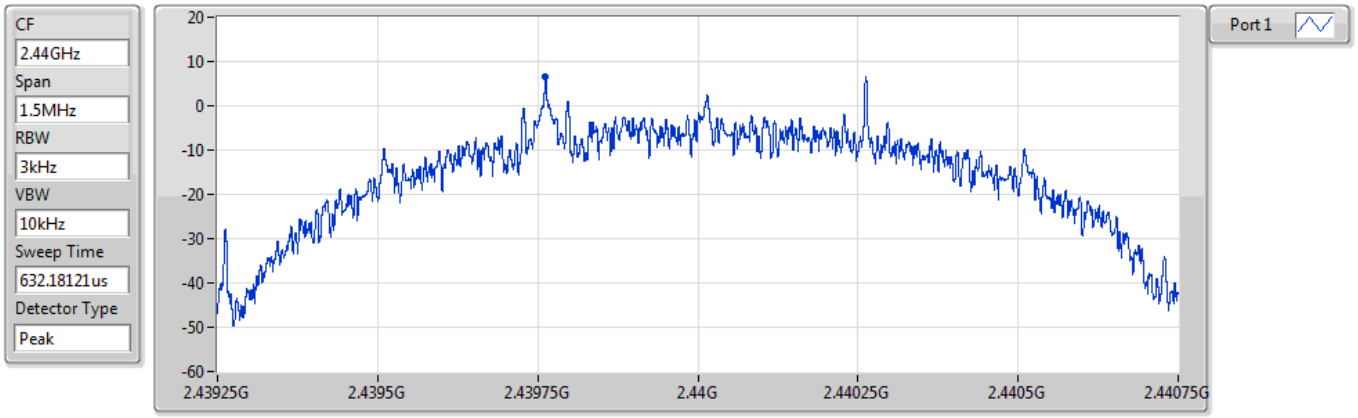
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.31	2.31	2.31

BT-LE(500kbps) PSD

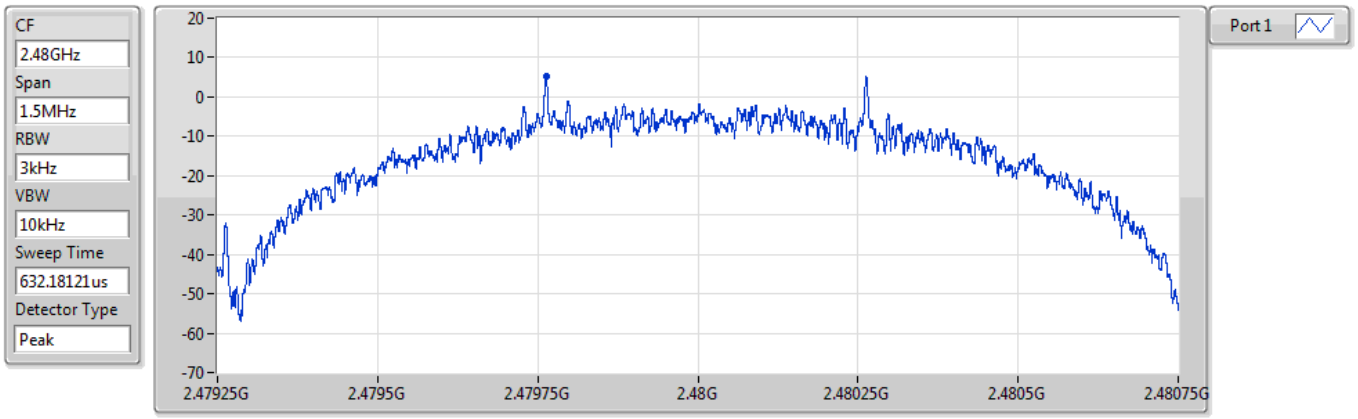
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.71	6.71	6.71

BT-LE(500kbps) PSD

2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.26	5.26	5.26

Summary

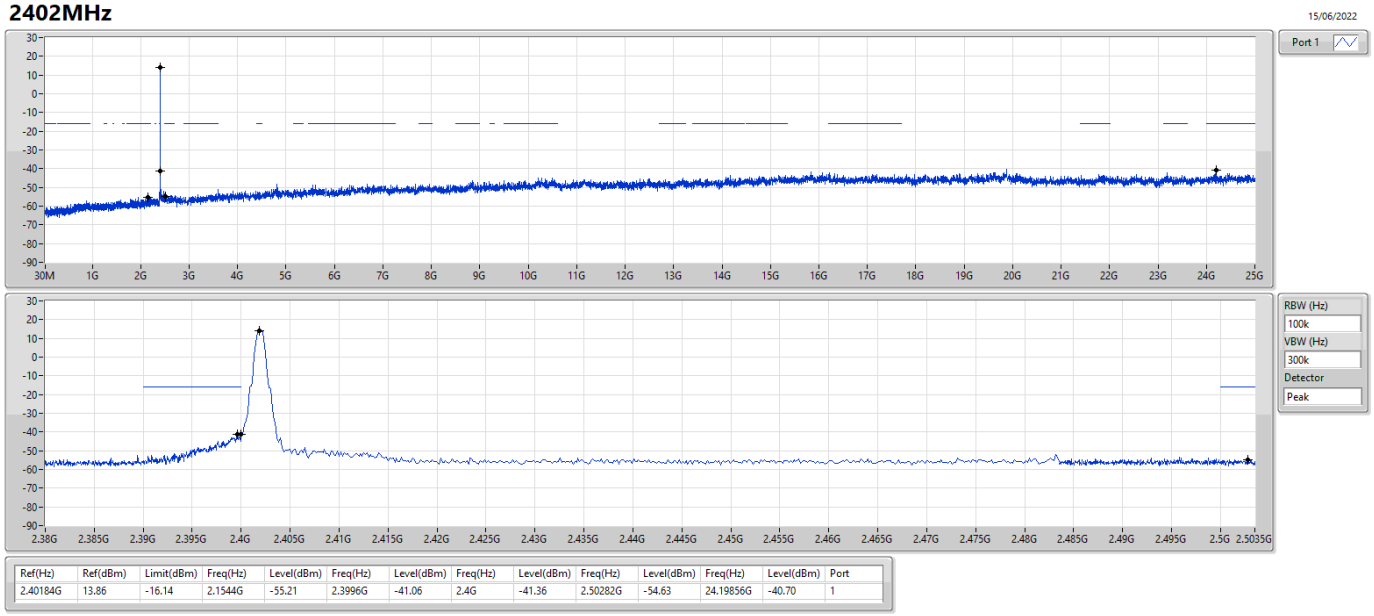
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.40184G	13.86	-16.14	2.1544G	-55.21	2.3996G	-41.06	2.4G	-41.36	2.50282G	-54.63	24.19856G	-40.70	1
BT-LE(2Mbps)	Pass	2.402G	14.39	-15.61	2.1403G	-54.94	2.4G	-17.46	2.4G	-17.01	2.5019G	-53.99	24.64568G	-41.71	1
BT-LE(125kbps)	Pass	2.402G	10.12	-19.88	2.13325G	-55.56	2.39968G	-43.59	2.4G	-49.88	2.50178G	-52.79	16.38946G	-42.47	1
BT-LE(500kbps)	Pass	2.40167G	13.42	-16.58	2.10388G	-54.33	2.4G	-42.85	2.4G	-45.81	2.50314G	-53.08	15.0678G	-42.63	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	13.86	-16.14	2.1544G	-55.21	2.3996G	-41.06	2.4G	-41.36	2.50282G	-54.63	24.19856G	-40.70	1
2440MHz	Pass	2.44025G	13.90	-16.10	2.08508G	-55.04	2.39012G	-54.71	2.4G	-55.66	2.50038G	-54.66	16.87595G	-41.68	1
2480MHz	Pass	2.48016G	14.32	-15.68	1.97228G	-54.54	2.39988G	-54.49	2.4G	-56.53	2.50042G	-54.32	21.79706G	-42.57	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	14.39	-15.61	2.1403G	-54.94	2.4G	-17.46	2.4G	-17.01	2.5019G	-53.99	24.64568G	-41.71	1
2440MHz	Pass	2.44041G	13.91	-16.09	2.30598G	-55.41	2.39484G	-54.14	2.4G	-56.95	2.50022G	-54.05	24.16482G	-41.90	1
2480MHz	Pass	2.48016G	14.42	-15.58	2.06158G	-55.74	2.39412G	-54.74	2.4G	-55.63	2.50106G	-53.77	23.1806G	-42.15	1
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	10.12	-19.88	2.13325G	-55.56	2.39968G	-43.59	2.4G	-49.88	2.50178G	-52.79	16.38946G	-42.47	1
2440MHz	Pass	2.44008G	9.96	-20.04	1.93585G	-54.58	2.39416G	-53.55	2.4G	-55.58	2.50222G	-53.43	16.24324G	-42.50	1
2480MHz	Pass	2.48016G	9.80	-20.20	2.08038G	-54.79	2.39048G	-53.68	2.4G	-55.43	2.50174G	-53.39	23.21153G	-42.61	1
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40167G	13.42	-16.58	2.10388G	-54.33	2.4G	-42.85	2.4G	-45.81	2.50314G	-53.08	15.0678G	-42.63	1
2440MHz	Pass	2.43975G	12.87	-17.13	2.14735G	-54.41	2.39264G	-53.12	2.4G	-55.27	2.50158G	-52.46	24.58944G	-42.25	1
2480MHz	Pass	2.47983G	13.12	-16.88	2.17085G	-54.70	2.39604G	-53.52	2.4G	-56.14	2.50262G	-52.53	16.39228G	-42.48	1

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

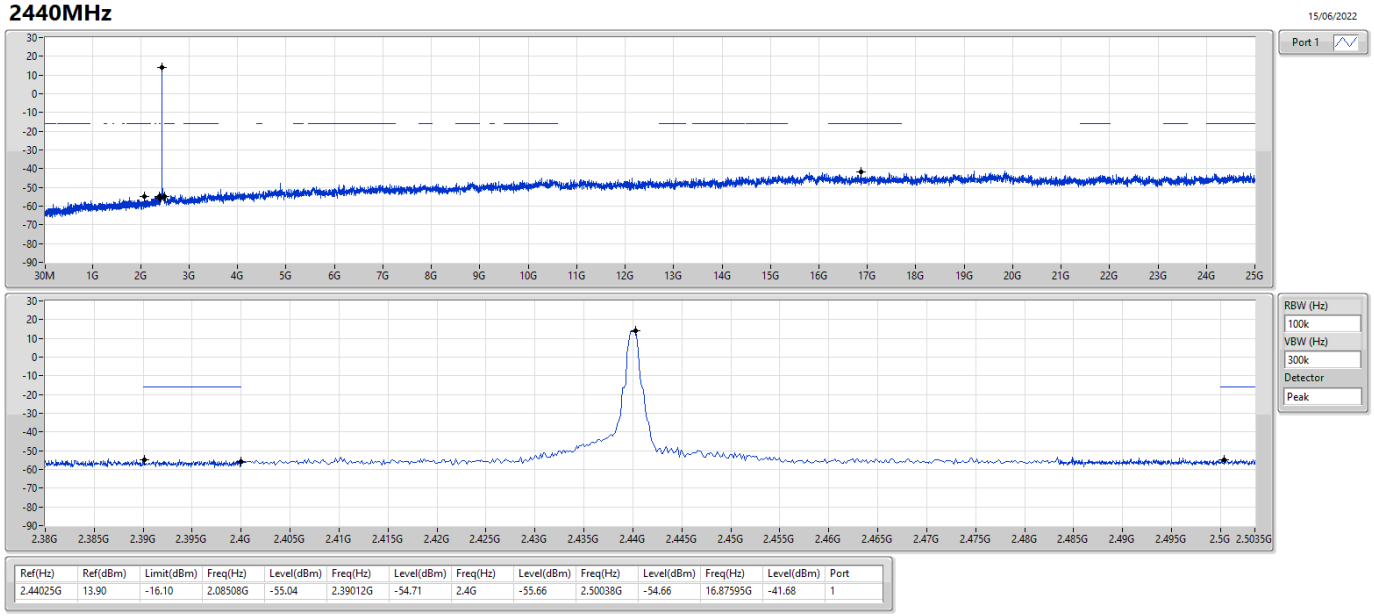
2402MHz



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
2.40184G	13.86	-16.14	2.1544G	-55.21	2.3996G	-41.06	2.4G	-41.36	2.50282G	-54.63	24.19856G	-40.70	1

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

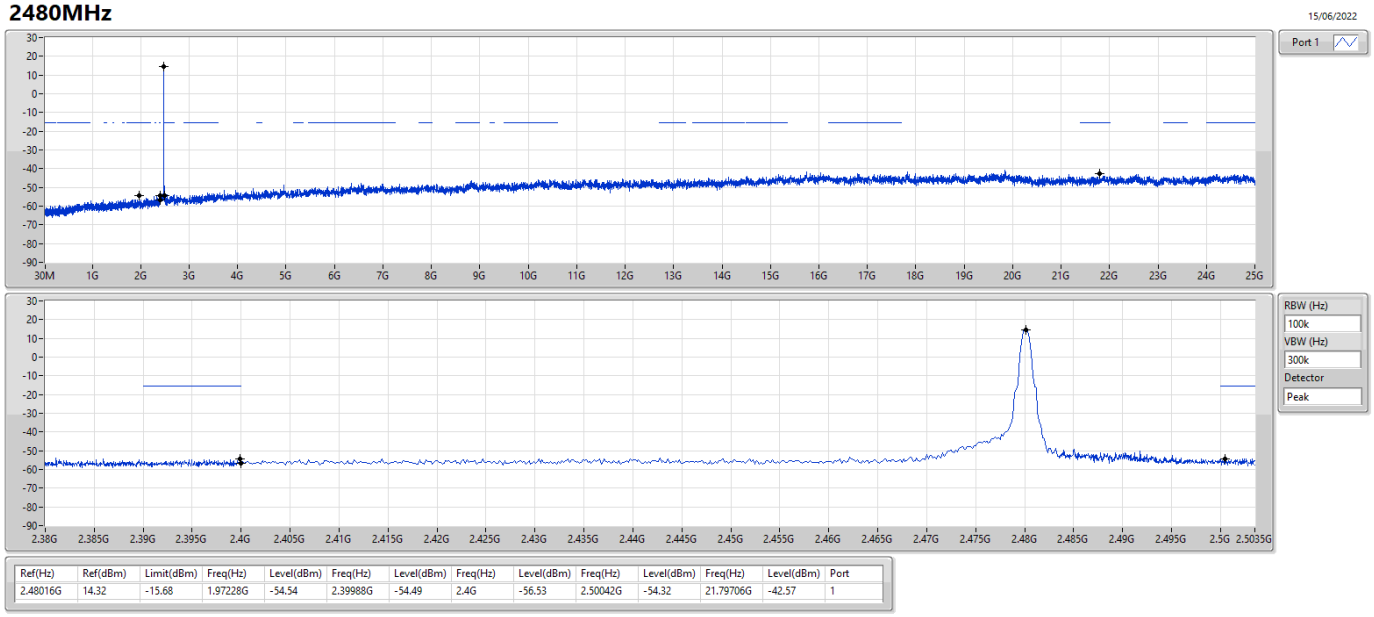
2440MHz



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	13.90	-16.10	2.08508G	-55.04	2.39012G	-54.71	2.4G	-55.66	2.50038G	-54.66	16.87595G	-41.68	1

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

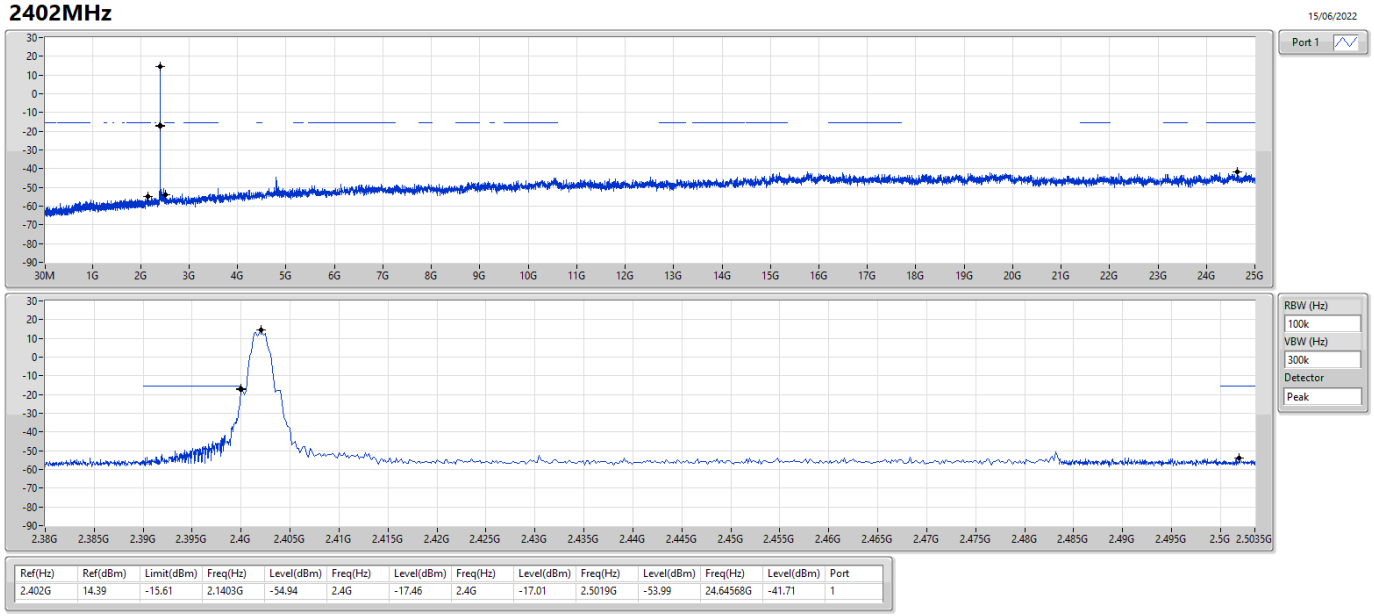
2480MHz



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
2.48016G	14.32	-15.68	1.97228G	-54.54	2.39988G	-54.49	2.4G	-56.53	2.50042G	-54.32	21.79706G	-42.57	1

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

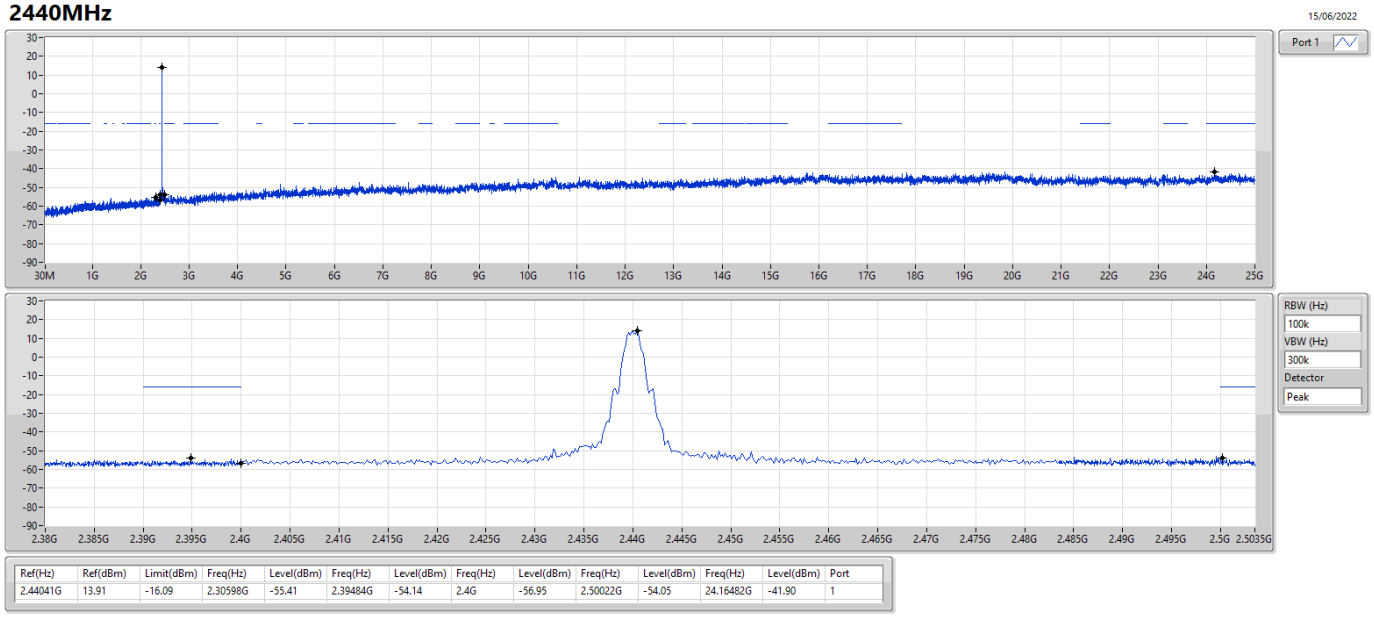
2402MHz



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
2.402G	14.39	-15.61	2.1403G	-54.94	2.4G	-17.46	2.4G	-17.01	2.5019G	-53.99	24.64568G	-41.71	1

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

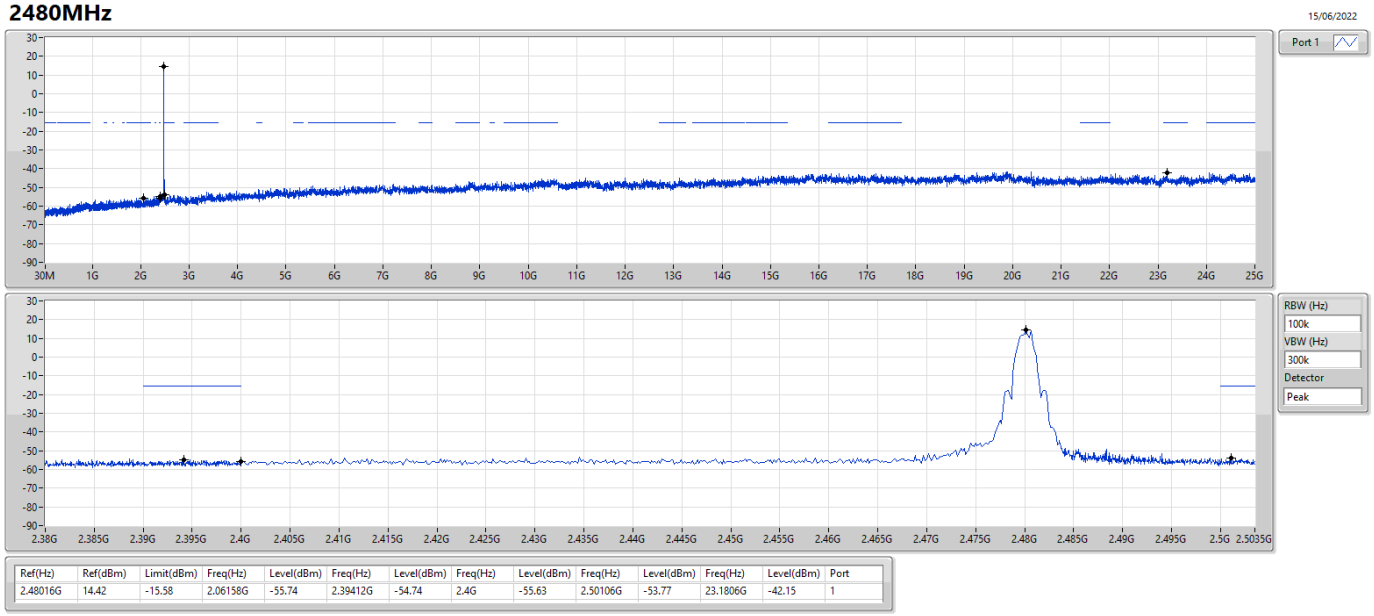
2440MHz



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
2.44041G	13.91	-16.09	2.30598G	-55.41	2.39484G	-54.14	2.4G	-56.95	2.50022G	-54.05	24.16482G	-41.90	1

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

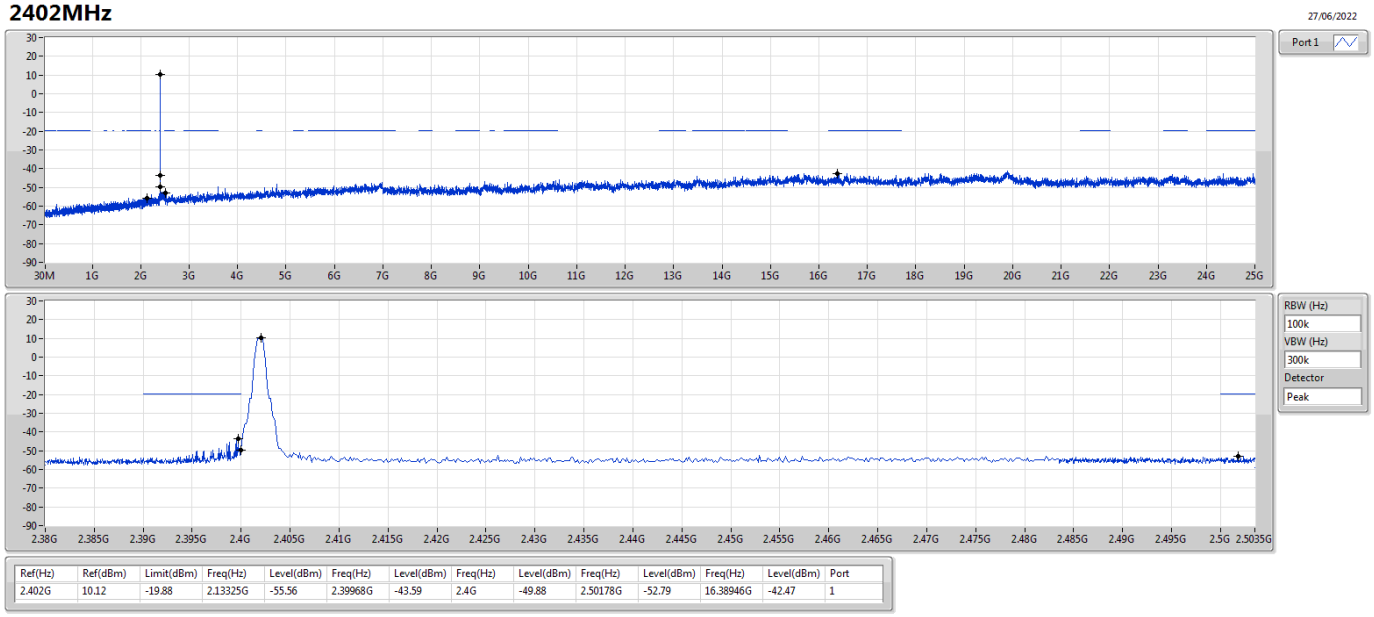
2480MHz



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
2.48016G	14.42	-15.58	2.06158G	-55.74	2.39412G	-54.74	2.4G	-55.63	2.50106G	-53.77	23.1806G	-42.15	1

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

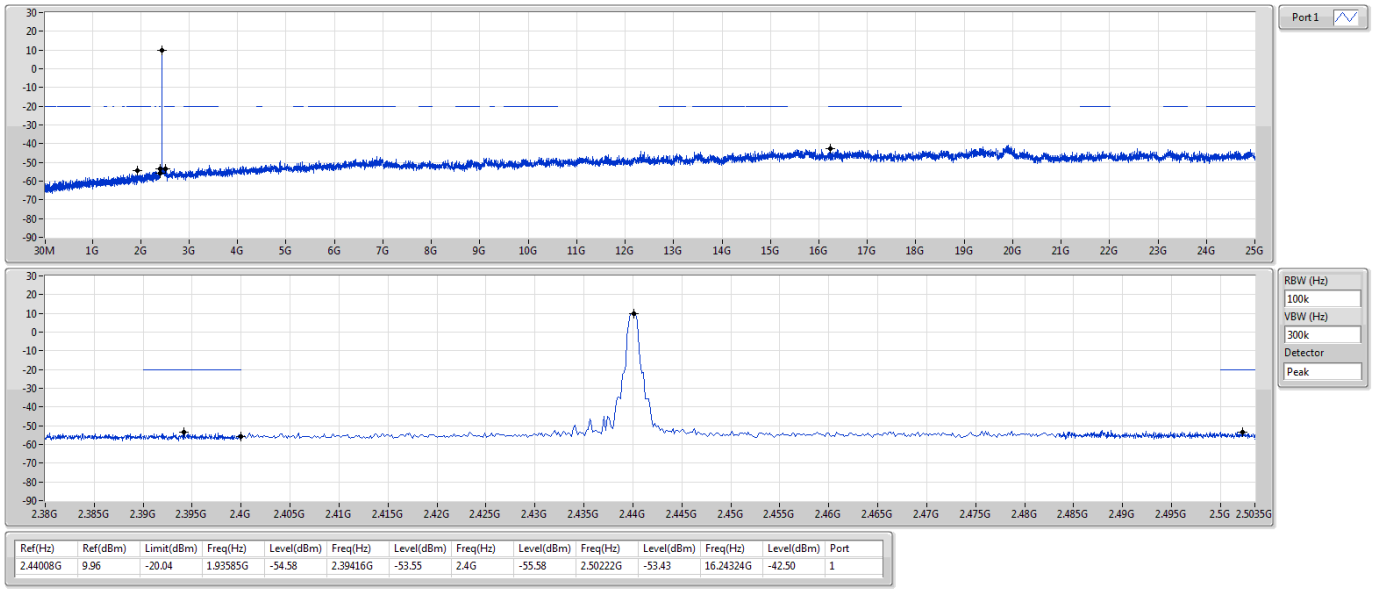
2402MHz



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
2.402G	10.12	-19.88	2.13325G	-55.56	2.39968G	-43.59	2.4G	-49.88	2.50178G	-52.79	16.38946G	-42.47	1

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

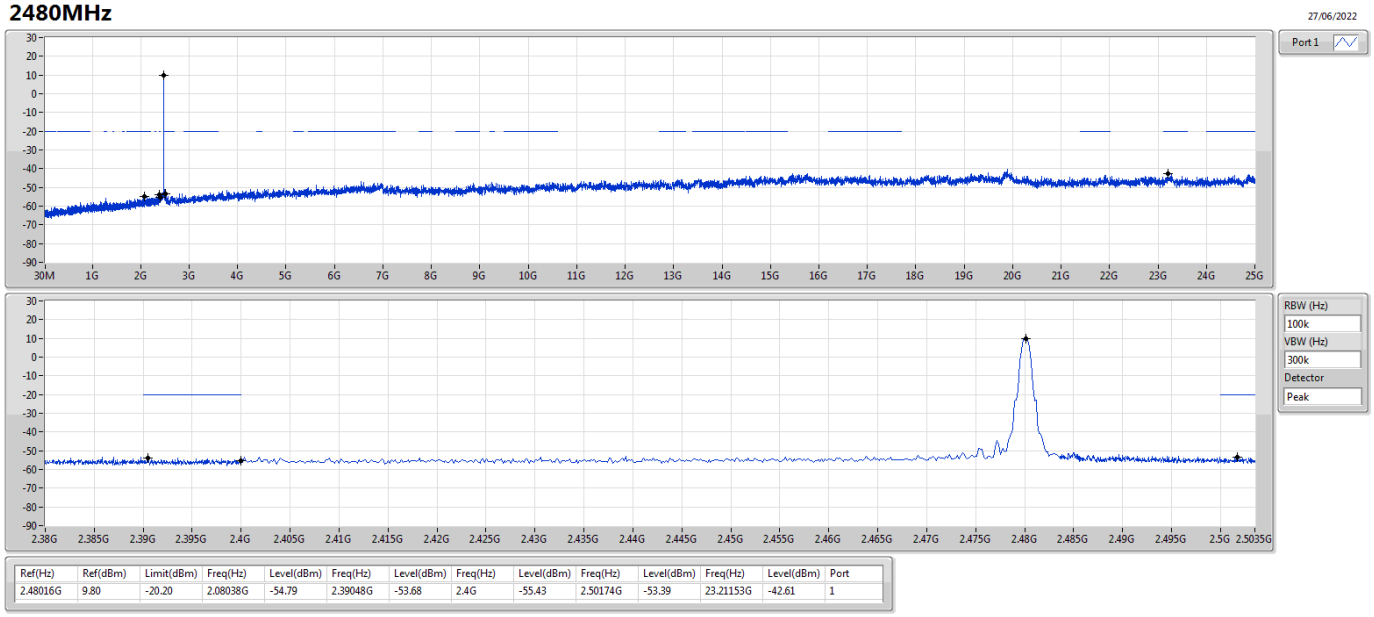
2440MHz



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
2.44008G	9.96	-20.04	1.93585G	-54.58	2.39416G	-53.55	2.4G	-55.58	2.50222G	-53.43	16.24324G	-42.50	1

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

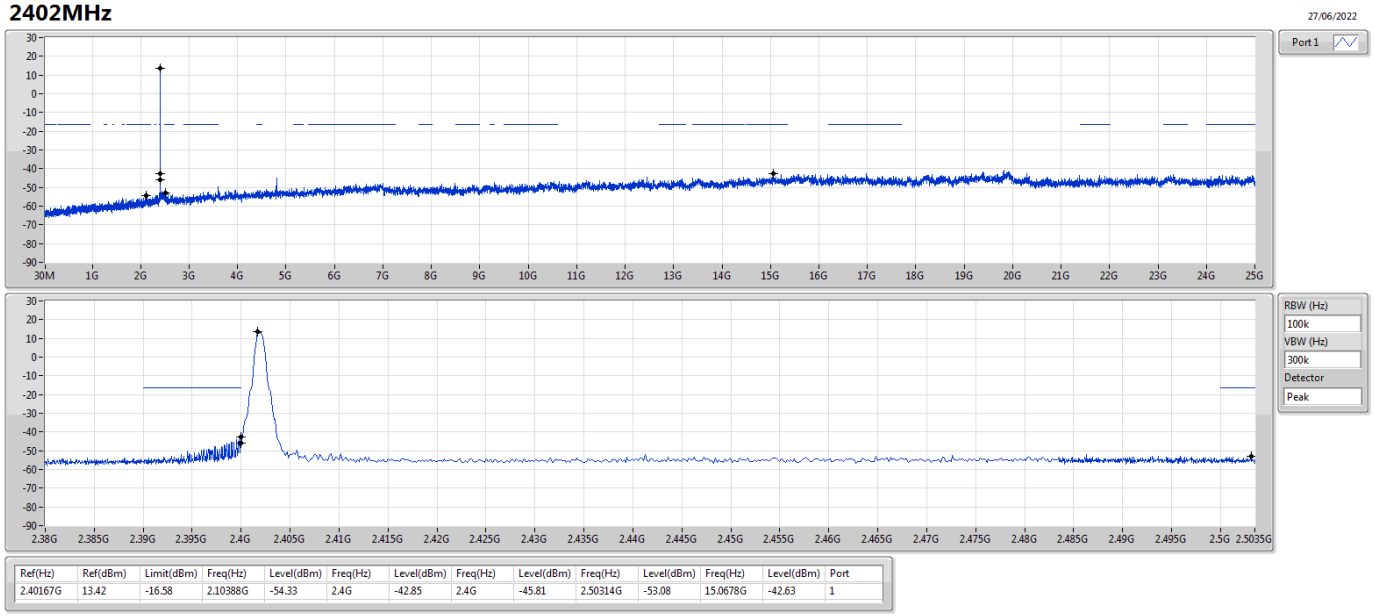
2480MHz



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
2.48016G	9.80	-20.20	2.08038G	-54.79	2.39048G	-53.68	2.4G	-55.43	2.50174G	-53.39	23.21153G	-42.61	1

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

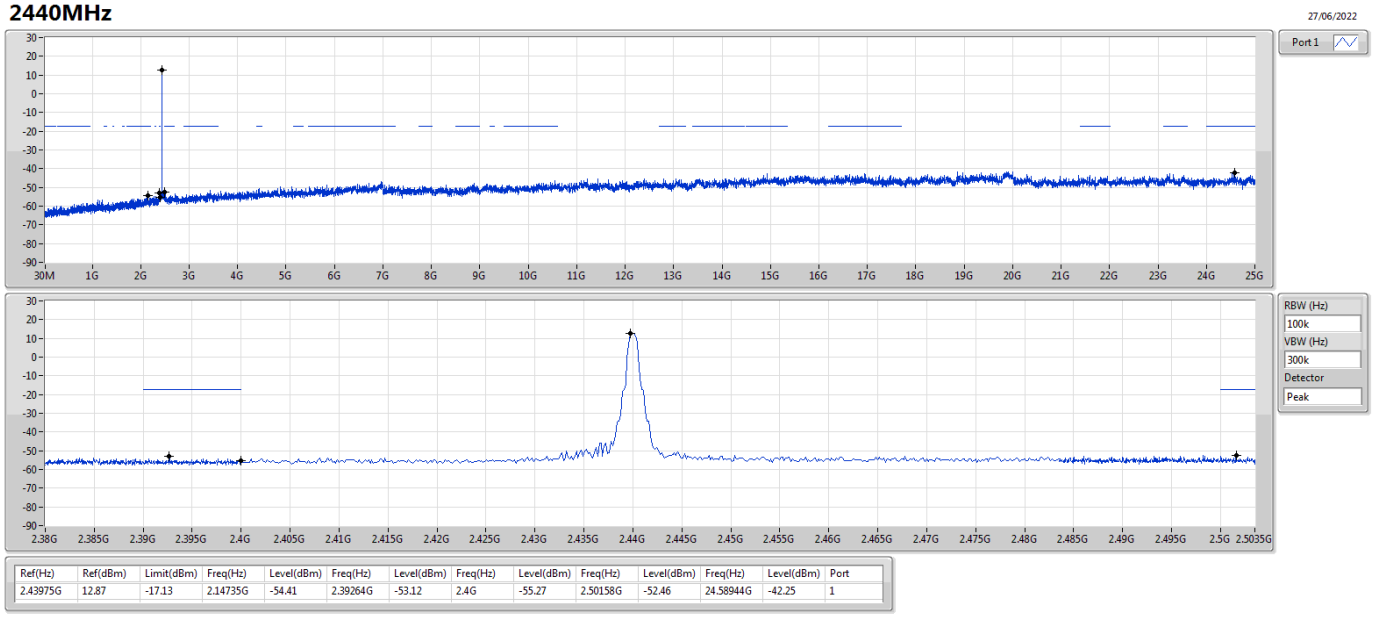
2402MHz



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
2.40167G	13.42	-16.58	2.10388G	-54.33	2.4G	-42.85	2.4G	-45.81	2.50314G	-53.08	15.0678G	-42.63	1

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

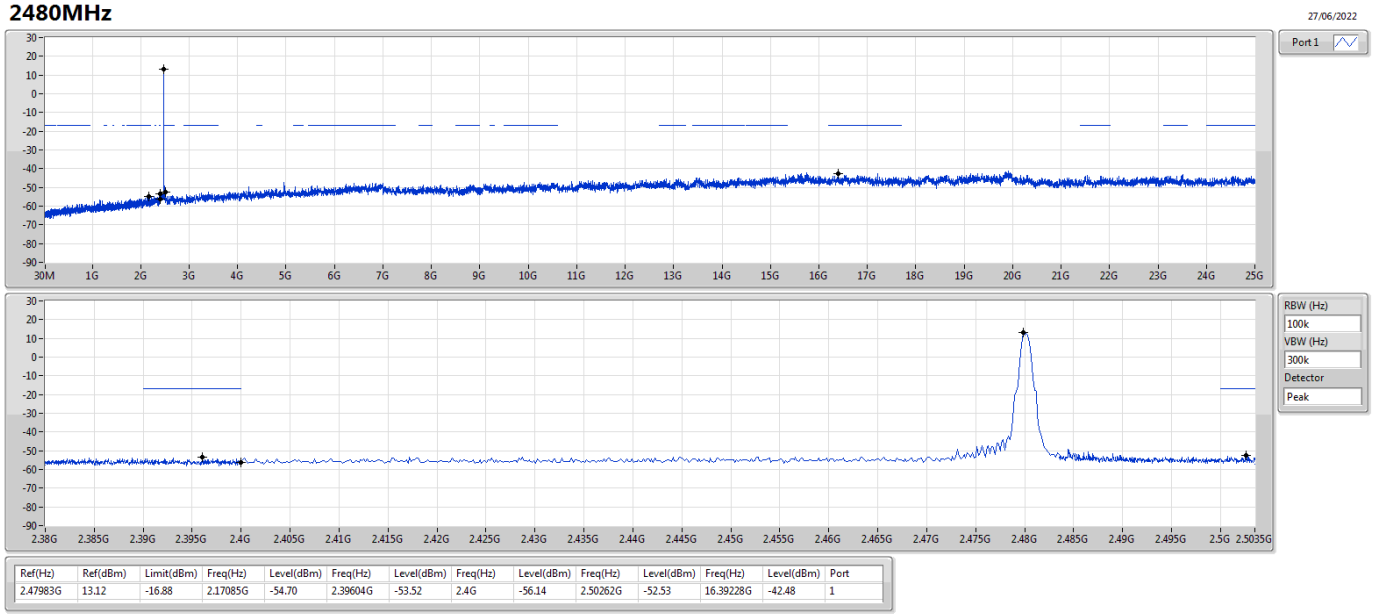
2440MHz



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
2.43975G	12.87	-17.13	2.14735G	-54.41	2.39264G	-53.12	2.4G	-55.27	2.50158G	-52.46	24.58944G	-42.25	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
2.47983G	13.12	-16.88	2.17085G	-54.70	2.39604G	-53.52	2.4G	-56.14	2.50262G	-52.53	16.39228G	-42.48	1

Summary

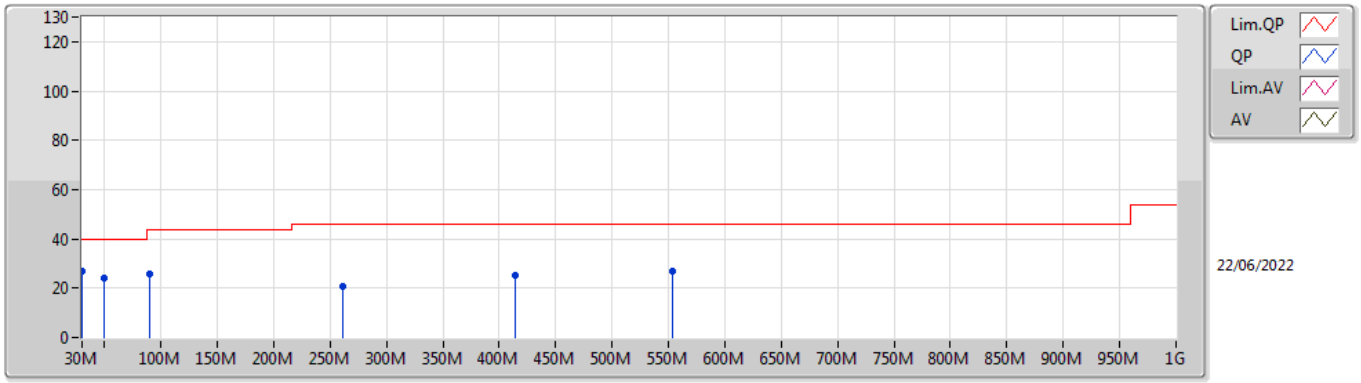
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	736.16M	34.39	46.00	-11.61	3	Horizontal	360	1.00	-

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	30M	26.90	40.00	-13.10	3	Vertical	0	1.00	-
2440MHz	Pass	PK	49.4M	23.84	40.00	-16.16	3	Vertical	0	1.00	-
2440MHz	Pass	PK	90.14M	25.95	43.50	-17.55	3	Vertical	0	1.00	-
2440MHz	Pass	PK	260.86M	20.95	46.00	-25.05	3	Vertical	0	1.00	-
2440MHz	Pass	PK	414.12M	24.99	46.00	-21.01	3	Vertical	0	1.00	-
2440MHz	Pass	PK	553.8M	26.86	46.00	-19.14	3	Vertical	0	1.00	-
2440MHz	Pass	PK	30M	22.99	40.00	-17.01	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	90.14M	20.01	43.50	-23.49	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	146.4M	20.25	43.50	-23.25	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	412.18M	23.68	46.00	-22.32	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	590.66M	27.51	46.00	-18.49	3	Horizontal	360	1.00	-
2440MHz	Pass	PK	736.16M	34.39	46.00	-11.61	3	Horizontal	360	1.00	-

BT-LE(2Mbps)

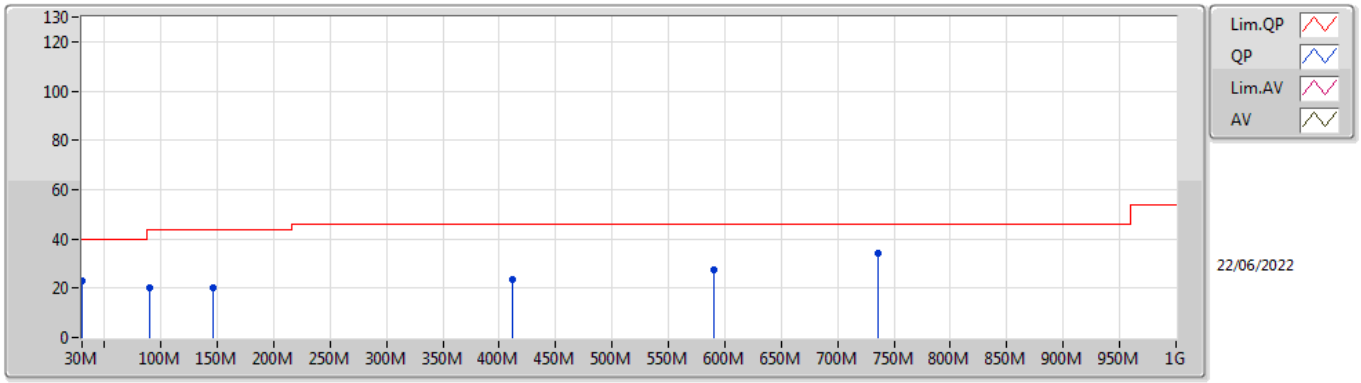
2440MHz_Test fixture



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	30M	26.90	40.00	-13.10	-2.94	3	Vertical	0	1.00	-	29.84	23.76	0.88	27.58
PK	49.4M	23.84	40.00	-16.16	-12.97	3	Vertical	0	1.00	-	36.81	13.41	1.12	27.50
PK	90.14M	25.95	43.50	-17.55	-11.83	3	Vertical	0	1.00	-	37.78	14.03	1.54	27.40
PK	260.86M	20.95	46.00	-25.05	-5.35	3	Vertical	0	1.00	-	26.30	18.62	2.69	26.66
PK	414.12M	24.99	46.00	-21.01	-2.20	3	Vertical	0	1.00	-	27.19	21.65	3.44	27.29
PK	553.8M	26.86	46.00	-19.14	0.23	3	Vertical	0	1.00	-	26.63	24.23	3.99	27.99

BT-LE(2Mbps)

2440MHz_Test fixture



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	30M	22.99	40.00	-17.01	-2.94	3	Horizontal	360	1.00	-	25.93	23.76	0.88	27.58
PK	90.14M	20.01	43.50	-23.49	-11.83	3	Horizontal	360	1.00	-	31.84	14.03	1.54	27.40
PK	146.4M	20.25	43.50	-23.25	-9.49	3	Horizontal	360	1.00	-	29.74	15.69	1.98	27.16
PK	412.18M	23.68	46.00	-22.32	-2.28	3	Horizontal	360	1.00	-	25.96	21.57	3.43	27.28
PK	590.66M	27.51	46.00	-18.49	-0.02	3	Horizontal	360	1.00	-	27.53	23.77	4.17	27.96
PK	736.16M	34.39	46.00	-11.61	1.79	3	Horizontal	360	1.00	-	32.60	24.89	4.68	27.78

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	2.4835G	49.01	54.00	-4.99	3	Vertical	22	2.23	-
BT-LE(2Mbps)	Pass	AV	2.4835G	53.78	54.00	-0.22	3	Vertical	23	2.24	-
BT-LE(125kbps)	Pass	AV	2.4854G	47.65	54.00	-6.35	3	Vertical	21	2.24	-
BT-LE(500kbps)	Pass	AV	2.3572G	50.34	54.00	-3.66	3	Horizontal	6	1.50	-

Result

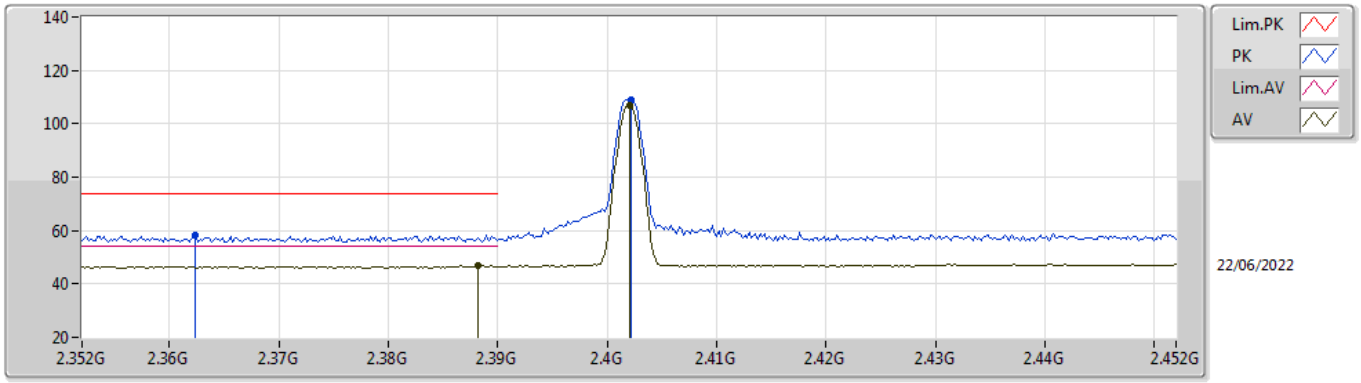
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3882G	46.68	54.00	-7.32	3	Vertical	2	1.13	-
2402MHz	Pass	AV	2.402G	107.15	Inf	-Inf	3	Vertical	2	1.13	-
2402MHz	Pass	PK	2.3624G	58.45	74.00	-15.55	3	Vertical	2	1.13	-
2402MHz	Pass	PK	2.4022G	108.74	Inf	-Inf	3	Vertical	2	1.13	-
2402MHz	Pass	AV	2.368G	46.84	54.00	-7.16	3	Horizontal	4	1.50	-
2402MHz	Pass	AV	2.402G	110.68	Inf	-Inf	3	Horizontal	4	1.50	-
2402MHz	Pass	PK	2.3886G	59.84	74.00	-14.16	3	Horizontal	4	1.50	-
2402MHz	Pass	PK	2.4018G	112.29	Inf	-Inf	3	Horizontal	4	1.50	-
2402MHz	Pass	AV	4.80394G	43.31	54.00	-10.69	3	Vertical	112	1.15	-
2402MHz	Pass	PK	4.80384G	50.74	74.00	-23.26	3	Vertical	112	1.15	-
2402MHz	Pass	AV	4.80382G	43.06	54.00	-10.94	3	Horizontal	346	2.35	-
2402MHz	Pass	PK	4.80396G	50.44	74.00	-23.56	3	Horizontal	346	2.35	-
2440MHz	Pass	AV	2.3876G	47.39	54.00	-6.61	3	Vertical	11	2.30	-
2440MHz	Pass	AV	2.44G	109.70	Inf	-Inf	3	Vertical	11	2.30	-
2440MHz	Pass	AV	2.4916G	48.39	54.00	-5.61	3	Vertical	11	2.30	-
2440MHz	Pass	PK	2.3708G	58.09	74.00	-15.91	3	Vertical	11	2.30	-
2440MHz	Pass	PK	2.4396G	110.55	Inf	-Inf	3	Vertical	11	2.30	-
2440MHz	Pass	PK	2.4876G	58.76	74.00	-15.24	3	Vertical	11	2.30	-
2440MHz	Pass	AV	2.3868G	47.37	54.00	-6.63	3	Horizontal	11	1.56	-
2440MHz	Pass	AV	2.44G	110.05	Inf	-Inf	3	Horizontal	11	1.56	-
2440MHz	Pass	AV	2.4988G	48.42	54.00	-5.58	3	Horizontal	11	1.56	-
2440MHz	Pass	PK	2.376G	58.97	74.00	-15.03	3	Horizontal	11	1.56	-
2440MHz	Pass	PK	2.4404G	110.89	Inf	-Inf	3	Horizontal	11	1.56	-
2440MHz	Pass	PK	2.4932G	59.64	74.00	-14.36	3	Horizontal	11	1.56	-
2440MHz	Pass	AV	4.88004G	44.26	54.00	-9.74	3	Vertical	112	1.02	-
2440MHz	Pass	PK	4.87992G	50.16	74.00	-23.84	3	Vertical	112	1.02	-
2440MHz	Pass	AV	4.87986G	41.74	54.00	-12.26	3	Horizontal	210	1.37	-
2440MHz	Pass	PK	4.88017G	49.01	74.00	-24.99	3	Horizontal	210	1.37	-
2480MHz	Pass	AV	2.48G	110.49	Inf	-Inf	3	Vertical	22	2.23	-
2480MHz	Pass	AV	2.4835G	49.01	54.00	-4.99	3	Vertical	22	2.23	-
2480MHz	Pass	PK	2.4798G	111.32	Inf	-Inf	3	Vertical	22	2.23	-
2480MHz	Pass	PK	2.486G	63.26	74.00	-10.74	3	Vertical	22	2.23	-
2480MHz	Pass	AV	2.48G	109.45	Inf	-Inf	3	Horizontal	328	1.50	-
2480MHz	Pass	AV	2.4862G	48.82	54.00	-5.18	3	Horizontal	328	1.50	-
2480MHz	Pass	PK	2.4802G	110.27	Inf	-Inf	3	Horizontal	328	1.50	-
2480MHz	Pass	PK	2.485G	62.53	74.00	-11.47	3	Horizontal	328	1.50	-
2480MHz	Pass	AV	4.95998G	42.62	54.00	-11.38	3	Vertical	103	1.07	-
2480MHz	Pass	PK	4.96001G	49.95	74.00	-24.05	3	Vertical	103	1.07	-
2480MHz	Pass	AV	4.96001G	40.71	54.00	-13.29	3	Horizontal	198	1.50	-
2480MHz	Pass	PK	4.96043G	48.69	74.00	-25.31	3	Horizontal	198	1.50	-
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.388G	46.67	54.00	-7.33	3	Vertical	20	1.12	-
2402MHz	Pass	AV	2.402G	109.58	Inf	-Inf	3	Vertical	20	1.12	-
2402MHz	Pass	PK	2.3698G	58.66	74.00	-15.34	3	Vertical	20	1.12	-
2402MHz	Pass	PK	2.4024G	112.02	Inf	-Inf	3	Vertical	20	1.12	-
2402MHz	Pass	AV	2.3856G	46.88	54.00	-7.12	3	Horizontal	6	1.50	-
2402MHz	Pass	AV	2.402G	110.24	Inf	-Inf	3	Horizontal	6	1.50	-
2402MHz	Pass	PK	2.3884G	59.57	74.00	-14.43	3	Horizontal	6	1.50	-
2402MHz	Pass	PK	2.4014G	112.79	Inf	-Inf	3	Horizontal	6	1.50	-
2402MHz	Pass	AV	4.8031G	41.44	54.00	-12.56	3	Vertical	103	1.20	-
2402MHz	Pass	PK	4.80306G	49.63	74.00	-24.37	3	Vertical	103	1.20	-
2402MHz	Pass	AV	4.80303G	41.66	54.00	-12.34	3	Horizontal	342	2.35	-
2402MHz	Pass	PK	4.80314G	49.83	74.00	-24.17	3	Horizontal	342	2.35	-
2440MHz	Pass	AV	2.388G	46.68	54.00	-7.32	3	Vertical	17	2.30	-
2440MHz	Pass	AV	2.44G	109.32	Inf	-Inf	3	Vertical	17	2.30	-
2440MHz	Pass	AV	2.4972G	47.70	54.00	-6.30	3	Vertical	17	2.30	-
2440MHz	Pass	PK	2.3896G	58.75	74.00	-15.25	3	Vertical	17	2.30	-
2440MHz	Pass	PK	2.4396G	111.74	Inf	-Inf	3	Vertical	17	2.30	-
2440MHz	Pass	PK	2.4976G	59.07	74.00	-14.93	3	Vertical	17	2.30	-
2440MHz	Pass	AV	2.39G	46.69	54.00	-7.31	3	Horizontal	0	1.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2440MHz	Pass	AV	2.44G	106.92	Inf	-Inf	3	Horizontal	0	1.00	-
2440MHz	Pass	AV	2.4964G	47.70	54.00	-6.30	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	2.3824G	58.31	74.00	-15.69	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	2.4396G	109.36	Inf	-Inf	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	2.4968G	59.26	74.00	-14.74	3	Horizontal	0	1.00	-
2440MHz	Pass	AV	4.87908G	41.28	54.00	-12.72	3	Vertical	112	1.01	-
2440MHz	Pass	PK	4.88103G	50.02	74.00	-23.98	3	Vertical	112	1.01	-
2440MHz	Pass	AV	4.87902G	38.83	54.00	-15.17	3	Horizontal	210	1.38	-
2440MHz	Pass	PK	4.87899G	48.53	74.00	-25.47	3	Horizontal	210	1.38	-
2480MHz	Pass	AV	2.48G	108.99	Inf	-Inf	3	Vertical	23	2.24	-
2480MHz	Pass	AV	2.4835G	53.78	54.00	-0.22	3	Vertical	23	2.24	-
2480MHz	Pass	PK	2.4806G	111.40	Inf	-Inf	3	Vertical	23	2.24	-
2480MHz	Pass	PK	2.4835G	64.22	74.00	-9.78	3	Vertical	23	2.24	-
2480MHz	Pass	AV	2.48G	105.32	Inf	-Inf	3	Horizontal	318	1.50	-
2480MHz	Pass	AV	2.4835G	51.41	54.00	-2.59	3	Horizontal	318	1.50	-
2480MHz	Pass	PK	2.4794G	107.77	Inf	-Inf	3	Horizontal	318	1.50	-
2480MHz	Pass	PK	2.4835G	61.73	74.00	-12.27	3	Horizontal	318	1.50	-
2480MHz	Pass	AV	4.96037G	39.33	54.00	-14.67	3	Vertical	104	1.07	-
2480MHz	Pass	PK	4.96014G	48.82	74.00	-25.18	3	Vertical	104	1.07	-
2480MHz	Pass	AV	4.95952G	38.13	54.00	-15.87	3	Horizontal	199	1.54	-
2480MHz	Pass	PK	4.95921G	48.67	74.00	-25.33	3	Horizontal	199	1.54	-
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3884G	46.17	54.00	-7.83	3	Vertical	20	1.12	-
2402MHz	Pass	AV	2.402G	110.90	Inf	-Inf	3	Vertical	20	1.12	-
2402MHz	Pass	PK	2.3616G	58.19	74.00	-15.81	3	Vertical	20	1.12	-
2402MHz	Pass	PK	2.4022G	111.95	Inf	-Inf	3	Vertical	20	1.12	-
2402MHz	Pass	AV	2.3898G	46.18	54.00	-7.82	3	Horizontal	6	1.50	-
2402MHz	Pass	AV	2.402G	111.68	Inf	-Inf	3	Horizontal	6	1.50	-
2402MHz	Pass	PK	2.3666G	58.89	74.00	-15.11	3	Horizontal	6	1.50	-
2402MHz	Pass	PK	2.4018G	112.73	Inf	-Inf	3	Horizontal	6	1.50	-
2402MHz	Pass	AV	4.80378G	42.62	54.00	-11.38	3	Vertical	88	1.21	-
2402MHz	Pass	PK	4.8041G	50.25	74.00	-23.75	3	Vertical	88	1.21	-
2402MHz	Pass	AV	4.80386G	43.06	54.00	-10.94	3	Horizontal	342	2.34	-
2402MHz	Pass	PK	4.80418G	50.73	74.00	-23.27	3	Horizontal	342	2.34	-
2440MHz	Pass	AV	2.3872G	46.15	54.00	-7.85	3	Vertical	17	2.29	-
2440MHz	Pass	AV	2.44G	110.64	Inf	-Inf	3	Vertical	17	2.29	-
2440MHz	Pass	AV	2.4904G	47.16	54.00	-6.84	3	Vertical	17	2.29	-
2440MHz	Pass	PK	2.348G	58.16	74.00	-15.84	3	Vertical	17	2.29	-
2440MHz	Pass	PK	2.4396G	111.80	Inf	-Inf	3	Vertical	17	2.29	-
2440MHz	Pass	PK	2.4948G	59.26	74.00	-14.74	3	Vertical	17	2.29	-
2440MHz	Pass	AV	2.3896G	46.18	54.00	-7.82	3	Horizontal	1	1.56	-
2440MHz	Pass	AV	2.44G	107.96	Inf	-Inf	3	Horizontal	1	1.56	-
2440MHz	Pass	AV	2.4988G	47.19	54.00	-6.81	3	Horizontal	1	1.56	-
2440MHz	Pass	PK	2.3664G	58.64	74.00	-15.36	3	Horizontal	1	1.56	-
2440MHz	Pass	PK	2.4404G	109.07	Inf	-Inf	3	Horizontal	1	1.56	-
2440MHz	Pass	PK	2.4876G	59.10	74.00	-14.90	3	Horizontal	1	1.56	-
2440MHz	Pass	AV	4.88G	42.77	54.00	-11.23	3	Vertical	112	1.06	-
2440MHz	Pass	PK	4.88001G	50.43	74.00	-23.57	3	Vertical	112	1.06	-
2440MHz	Pass	AV	4.88G	40.21	54.00	-13.79	3	Horizontal	210	1.00	-
2440MHz	Pass	PK	4.87992G	48.73	74.00	-25.27	3	Horizontal	210	1.00	-
2480MHz	Pass	AV	2.48G	110.17	Inf	-Inf	3	Vertical	21	2.24	-
2480MHz	Pass	AV	2.4854G	47.65	54.00	-6.35	3	Vertical	21	2.24	-
2480MHz	Pass	PK	2.4798G	111.22	Inf	-Inf	3	Vertical	21	2.24	-
2480MHz	Pass	PK	2.4852G	60.14	74.00	-13.86	3	Vertical	21	2.24	-
2480MHz	Pass	AV	2.48G	109.15	Inf	-Inf	3	Horizontal	327	1.50	-
2480MHz	Pass	AV	2.4835G	47.64	54.00	-6.36	3	Horizontal	327	1.50	-
2480MHz	Pass	PK	2.4798G	110.21	Inf	-Inf	3	Horizontal	327	1.50	-
2480MHz	Pass	PK	2.4932G	60.41	74.00	-13.59	3	Horizontal	327	1.50	-
2480MHz	Pass	AV	4.96007G	41.21	54.00	-12.79	3	Vertical	102	1.08	-
2480MHz	Pass	PK	4.95936G	49.81	74.00	-24.19	3	Vertical	102	1.08	-
2480MHz	Pass	AV	4.9599G	39.62	54.00	-14.38	3	Horizontal	199	1.52	-
2480MHz	Pass	PK	4.95962G	48.46	74.00	-25.54	3	Horizontal	199	1.52	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3888G	46.43	54.00	-7.57	3	Vertical	19	1.11	-
2402MHz	Pass	AV	2.402G	110.97	Inf	-Inf	3	Vertical	19	1.11	-
2402MHz	Pass	PK	2.3618G	58.88	74.00	-15.12	3	Vertical	19	1.11	-
2402MHz	Pass	PK	2.4022G	111.91	Inf	-Inf	3	Vertical	19	1.11	-
2402MHz	Pass	AV	2.3572G	50.34	54.00	-3.66	3	Horizontal	6	1.50	-
2402MHz	Pass	AV	2.402G	111.78	Inf	-Inf	3	Horizontal	6	1.50	-
2402MHz	Pass	PK	2.3632G	58.64	74.00	-15.36	3	Horizontal	6	1.50	-
2402MHz	Pass	PK	2.4018G	112.69	Inf	-Inf	3	Horizontal	6	1.50	-
2402MHz	Pass	AV	4.80395G	43.92	54.00	-10.08	3	Vertical	112	1.14	-
2402MHz	Pass	PK	4.80399G	51.19	74.00	-22.81	3	Vertical	112	1.14	-
2402MHz	Pass	AV	4.80396G	43.57	54.00	-10.43	3	Horizontal	346	2.34	-
2402MHz	Pass	PK	4.80398G	50.42	74.00	-23.58	3	Horizontal	346	2.34	-
2440MHz	Pass	AV	2.3824G	46.37	54.00	-7.63	3	Vertical	18	2.30	-
2440MHz	Pass	AV	2.44G	110.81	Inf	-Inf	3	Vertical	18	2.30	-
2440MHz	Pass	AV	2.5G	47.21	54.00	-6.79	3	Vertical	18	2.30	-
2440MHz	Pass	PK	2.3852G	58.52	74.00	-15.48	3	Vertical	18	2.30	-
2440MHz	Pass	PK	2.4396G	111.71	Inf	-Inf	3	Vertical	18	2.30	-
2440MHz	Pass	PK	2.4956G	60.06	74.00	-13.94	3	Vertical	18	2.30	-
2440MHz	Pass	AV	2.3868G	46.41	54.00	-7.59	3	Horizontal	12	1.56	-
2440MHz	Pass	AV	2.44G	110.20	Inf	-Inf	3	Horizontal	12	1.56	-
2440MHz	Pass	AV	2.5G	47.21	54.00	-6.79	3	Horizontal	12	1.56	-
2440MHz	Pass	PK	2.3456G	58.09	74.00	-15.91	3	Horizontal	12	1.56	-
2440MHz	Pass	PK	2.4404G	111.12	Inf	-Inf	3	Horizontal	12	1.56	-
2440MHz	Pass	PK	2.4844G	59.34	74.00	-14.66	3	Horizontal	12	1.56	-
2440MHz	Pass	AV	4.87998G	43.60	54.00	-10.40	3	Vertical	112	1.00	-
2440MHz	Pass	PK	4.88018G	50.69	74.00	-23.31	3	Vertical	112	1.00	-
2440MHz	Pass	AV	4.87999G	40.47	54.00	-13.53	3	Horizontal	211	1.24	-
2440MHz	Pass	PK	4.87971G	48.47	74.00	-25.53	3	Horizontal	211	1.24	-
2480MHz	Pass	AV	2.48G	110.42	Inf	-Inf	3	Vertical	23	2.24	-
2480MHz	Pass	AV	2.4854G	47.65	54.00	-6.35	3	Vertical	23	2.24	-
2480MHz	Pass	PK	2.4802G	111.32	Inf	-Inf	3	Vertical	23	2.24	-
2480MHz	Pass	PK	2.4878G	62.24	74.00	-11.76	3	Vertical	23	2.24	-
2480MHz	Pass	AV	2.48G	109.34	Inf	-Inf	3	Horizontal	328	1.50	-
2480MHz	Pass	AV	2.485G	47.65	54.00	-6.35	3	Horizontal	328	1.50	-
2480MHz	Pass	PK	2.4802G	110.25	Inf	-Inf	3	Horizontal	328	1.50	-
2480MHz	Pass	PK	2.487G	60.94	74.00	-13.06	3	Horizontal	328	1.50	-
2480MHz	Pass	AV	4.96004G	42.31	54.00	-11.69	3	Vertical	102	1.08	-
2480MHz	Pass	PK	4.95966G	50.16	74.00	-23.84	3	Vertical	102	1.08	-
2480MHz	Pass	AV	4.95992G	40.56	54.00	-13.44	3	Horizontal	199	1.52	-
2480MHz	Pass	PK	4.96003G	48.84	74.00	-25.16	3	Horizontal	199	1.52	-

BT-LE(1Mbps)

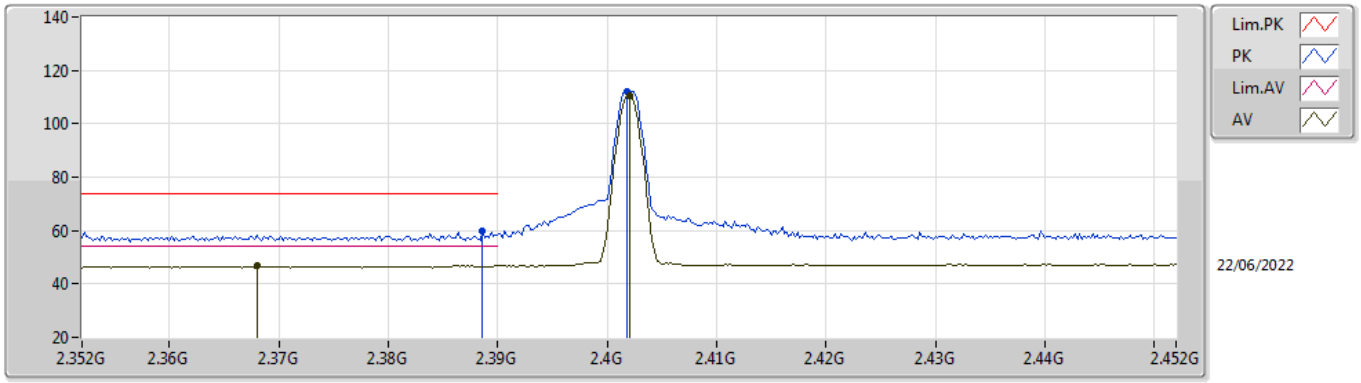
2402MHz_TX



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	2.3882G	46.68	54.00	-7.32	31.75	3	Vertical	2	1.13	-	14.93	27.38	4.37	-
AV	2.402G	107.15	Inf	-Inf	31.79	3	Vertical	2	1.13	-	75.36	27.41	4.38	-
PK	2.3624G	58.45	74.00	-15.55	31.66	3	Vertical	2	1.13	-	26.79	27.32	4.34	-
PK	2.4022G	108.74	Inf	-Inf	31.79	3	Vertical	2	1.13	-	76.95	27.41	4.38	-

BT-LE(1Mbps)

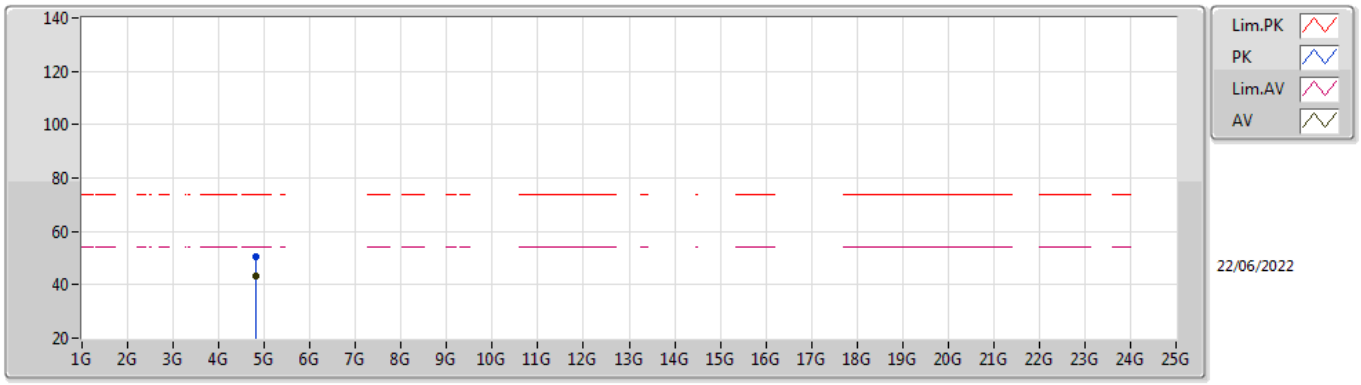
2402MHz_TX



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	2.368G	46.84	54.00	-7.16	31.69	3	Horizontal	4	1.50	-	15.15	27.34	4.35	-
AV	2.402G	110.68	Inf	-Inf	31.79	3	Horizontal	4	1.50	-	78.89	27.41	4.38	-
PK	2.3886G	59.84	74.00	-14.16	31.75	3	Horizontal	4	1.50	-	28.09	27.38	4.37	-
PK	2.4018G	112.29	Inf	-Inf	31.79	3	Horizontal	4	1.50	-	80.50	27.41	4.38	-

BT-LE(1Mbps)

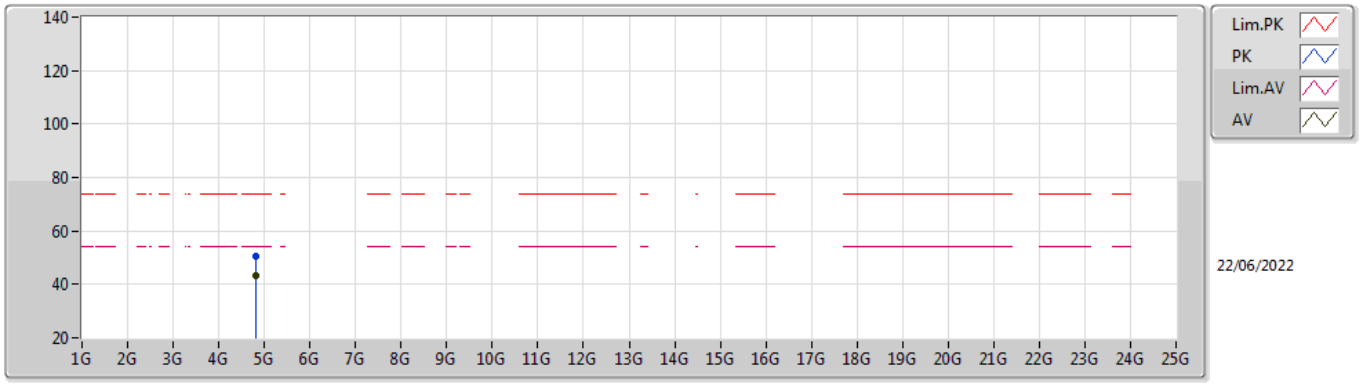
2402MHz_TX



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	4.80394G	43.31	54.00	-10.69	4.33	3	Vertical	112	1.15	-	38.98	32.52	6.26	34.45
PK	4.80384G	50.74	74.00	-23.26	4.33	3	Vertical	112	1.15	-	46.41	32.52	6.26	34.45

BT-LE(1Mbps)

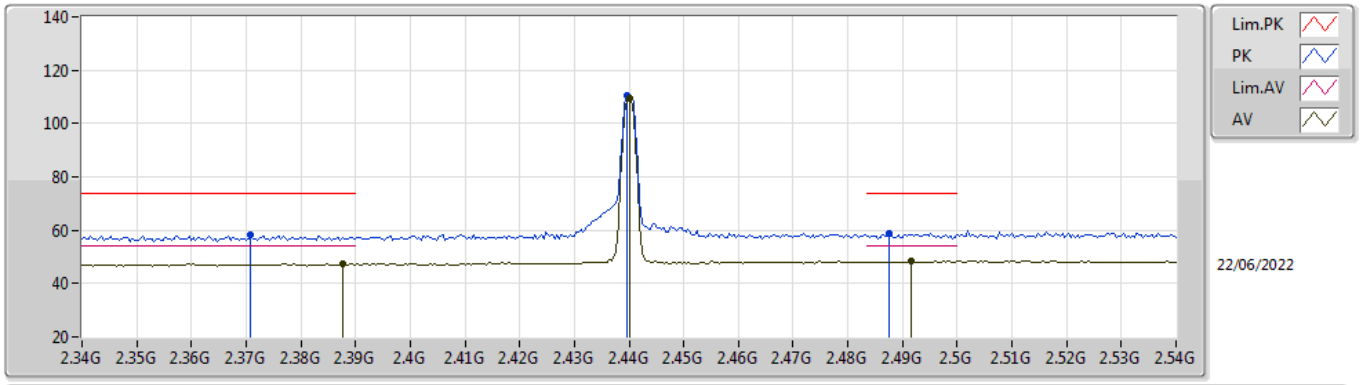
2402MHz_TX



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	4.80382G	43.06	54.00	-10.94	4.33	3	Horizontal	346	2.35	-	38.73	32.52	6.26	34.45
PK	4.80396G	50.44	74.00	-23.56	4.33	3	Horizontal	346	2.35	-	46.11	32.52	6.26	34.45

BT-LE(1Mbps)

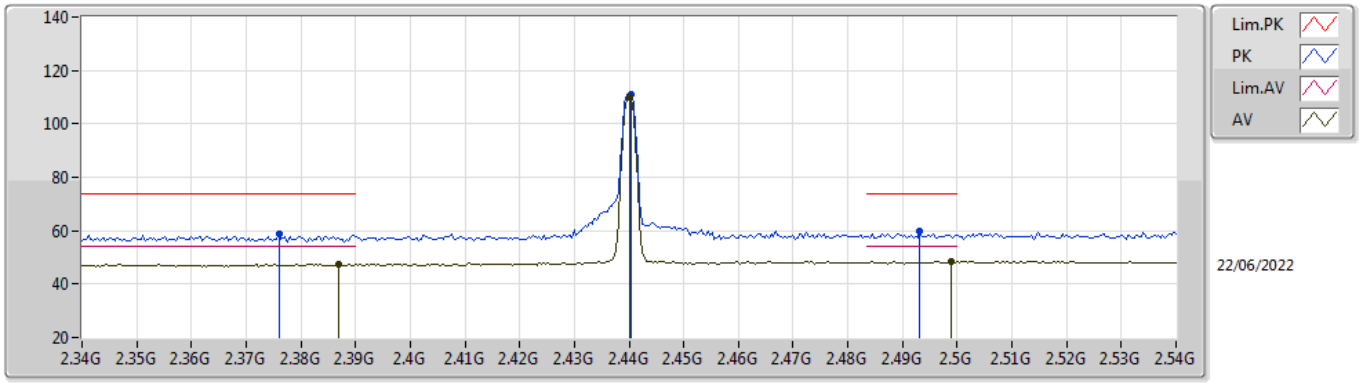
2440MHz_TX



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	2.3876G	47.39	54.00	-6.61	31.75	3	Vertical	11	2.30	-	15.64	27.38	4.37	-
AV	2.44G	109.70	Inf	-Inf	32.00	3	Vertical	11	2.30	-	77.70	27.56	4.44	-
AV	2.4916G	48.39	54.00	-5.61	32.36	3	Vertical	11	2.30	-	16.03	27.85	4.51	-
PK	2.3708G	58.09	74.00	-15.91	31.69	3	Vertical	11	2.30	-	26.40	27.34	4.35	-
PK	2.4396G	110.55	Inf	-Inf	32.00	3	Vertical	11	2.30	-	78.55	27.56	4.44	-
PK	2.4876G	58.76	74.00	-15.24	32.34	3	Vertical	11	2.30	-	26.42	27.83	4.51	-

BT-LE(1Mbps)

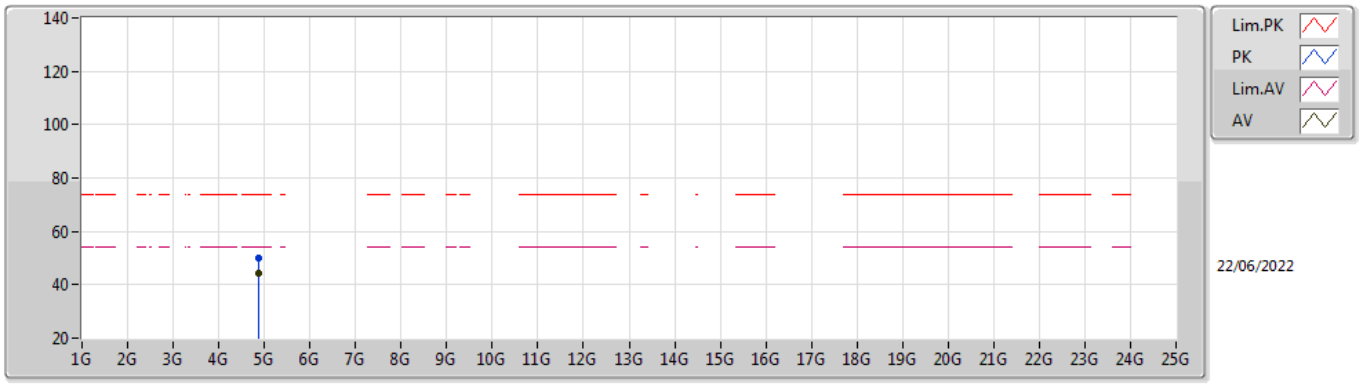
2440MHz_TX



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	2.3868G	47.37	54.00	-6.63	31.74	3	Horizontal	11	1.56	-	15.63	27.37	4.37	-
AV	2.44G	110.05	Inf	-Inf	32.00	3	Horizontal	11	1.56	-	78.05	27.56	4.44	-
AV	2.4988G	48.42	54.00	-5.58	32.41	3	Horizontal	11	1.56	-	16.01	27.89	4.52	-
PK	2.376G	58.97	74.00	-15.03	31.70	3	Horizontal	11	1.56	-	27.27	27.35	4.35	-
PK	2.4404G	110.89	Inf	-Inf	32.00	3	Horizontal	11	1.56	-	78.89	27.56	4.44	-
PK	2.4932G	59.64	74.00	-14.36	32.38	3	Horizontal	11	1.56	-	27.26	27.86	4.52	-

BT-LE(1Mbps)

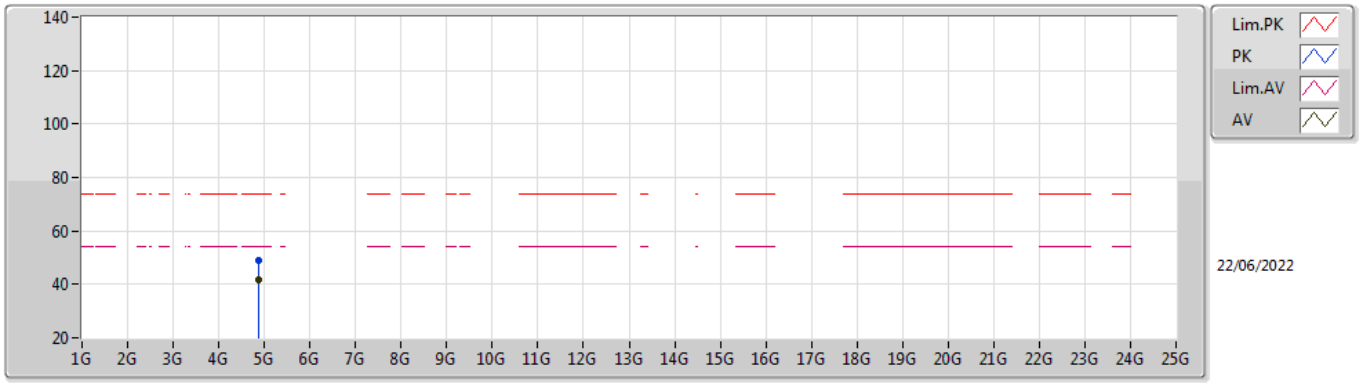
2440MHz_TX



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	4.88004G	44.26	54.00	-9.74	4.63	3	Vertical	112	1.02	-	39.63	32.76	6.31	34.44
PK	4.87992G	50.16	74.00	-23.84	4.63	3	Vertical	112	1.02	-	45.53	32.76	6.31	34.44

BT-LE(1Mbps)

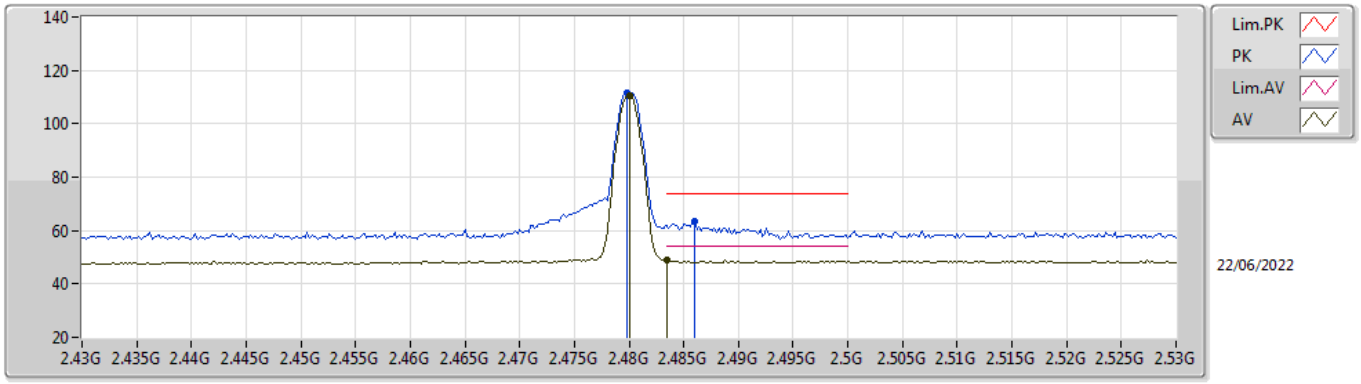
2440MHz_TX



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	4.87986G	41.74	54.00	-12.26	4.63	3	Horizontal	210	1.37	-	37.11	32.76	6.31	34.44
PK	4.88017G	49.01	74.00	-24.99	4.63	3	Horizontal	210	1.37	-	44.38	32.76	6.31	34.44

BT-LE(1Mbps)

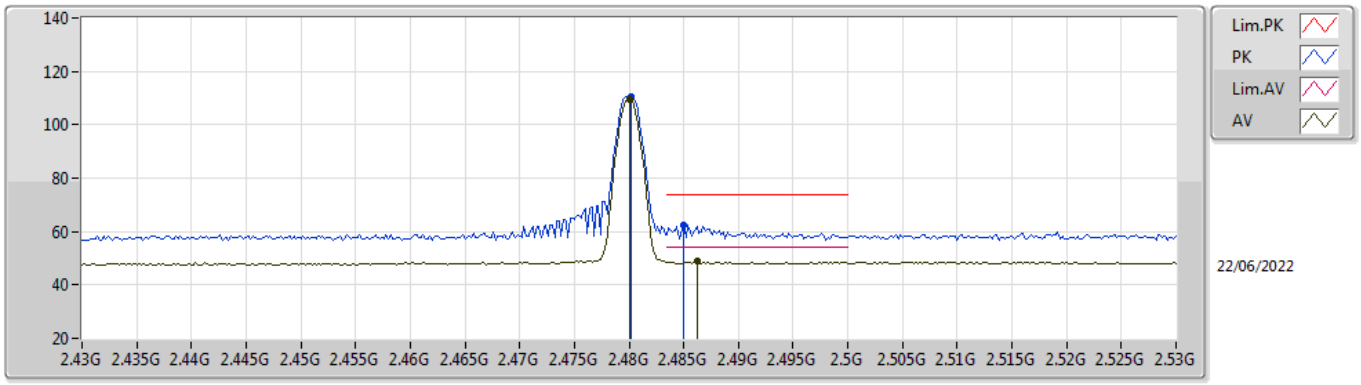
2480MHz_TX



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	110.49	Inf	-Inf	32.28	3	Vertical	22	2.23	-	78.21	27.78	4.50	-
AV	2.4835G	49.01	54.00	-4.99	32.30	3	Vertical	22	2.23	-	16.71	27.80	4.50	-
PK	2.4798G	111.32	Inf	-Inf	32.28	3	Vertical	22	2.23	-	79.04	27.78	4.50	-
PK	2.486G	63.26	74.00	-10.74	32.32	3	Vertical	22	2.23	-	30.94	27.82	4.50	-

BT-LE(1Mbps)

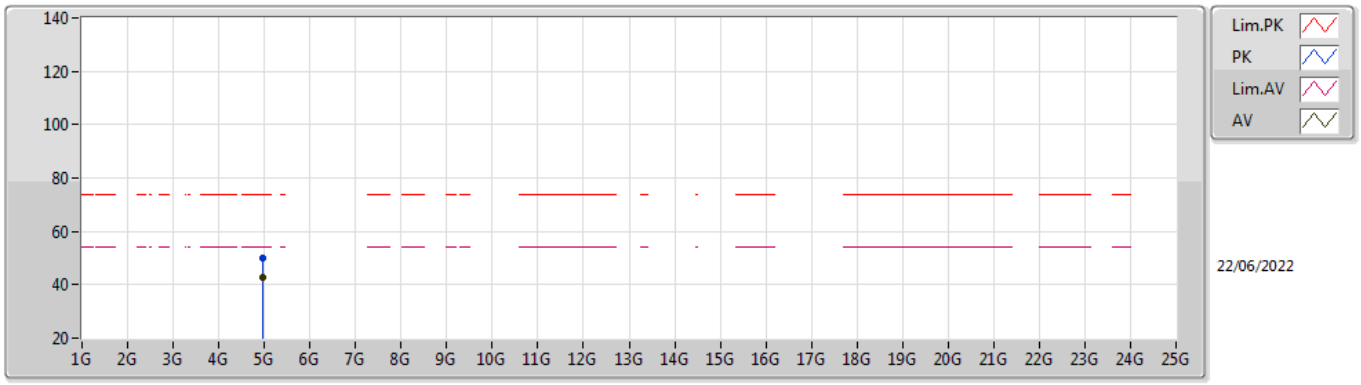
2480MHz_TX



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	109.45	Inf	-Inf	32.28	3	Horizontal	328	1.50	-	77.17	27.78	4.50	-
AV	2.4862G	48.82	54.00	-5.18	32.32	3	Horizontal	328	1.50	-	16.50	27.82	4.50	-
PK	2.4802G	110.27	Inf	-Inf	32.28	3	Horizontal	328	1.50	-	77.99	27.78	4.50	-
PK	2.485G	62.53	74.00	-11.47	32.31	3	Horizontal	328	1.50	-	30.22	27.81	4.50	-

BT-LE(1Mbps)

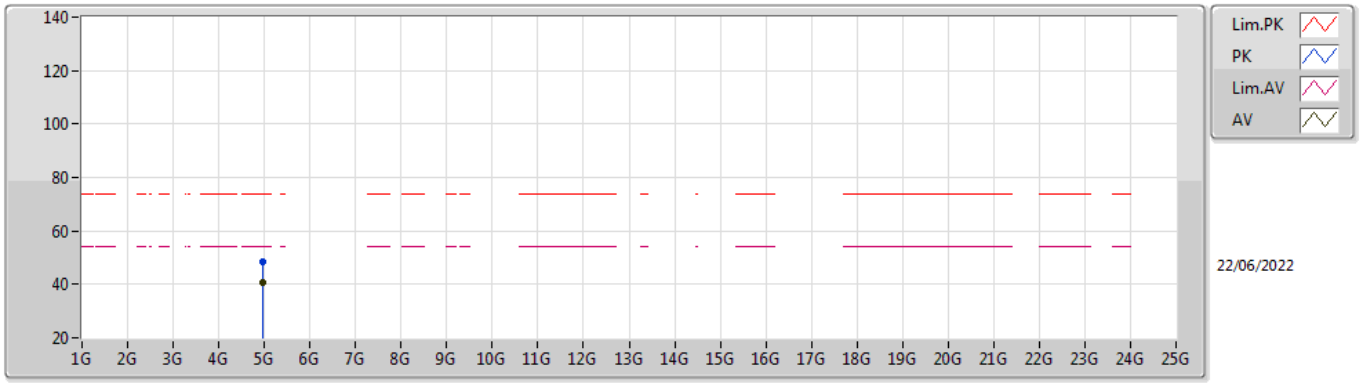
2480MHz_TX



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	4.95998G	42.62	54.00	-11.38	5.07	3	Vertical	103	1.07	-	37.55	33.14	6.36	34.43
PK	4.96001G	49.95	74.00	-24.05	5.07	3	Vertical	103	1.07	-	44.88	33.14	6.36	34.43

BT-LE(1Mbps)

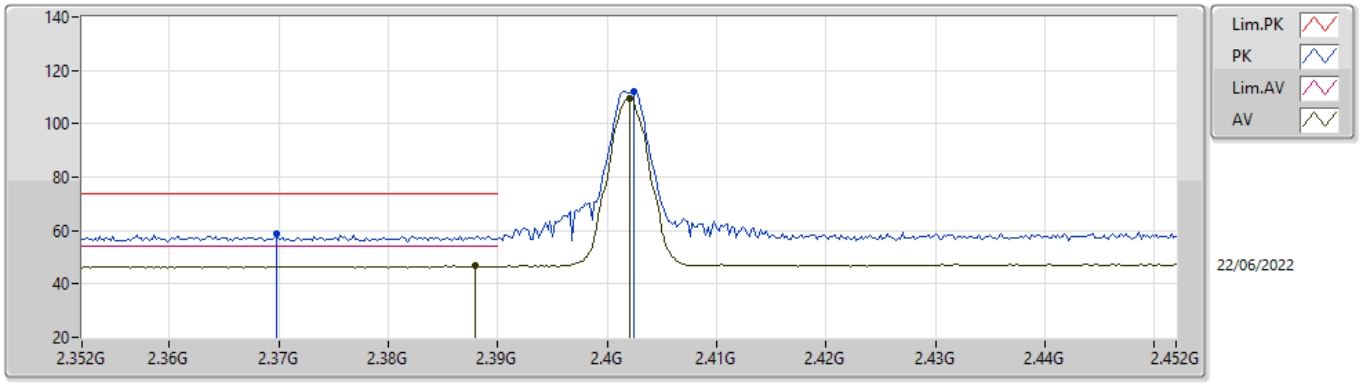
2480MHz_TX



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	4.96001G	40.71	54.00	-13.29	5.07	3	Horizontal	198	1.50	-	35.64	33.14	6.36	34.43
PK	4.96043G	48.69	74.00	-25.31	5.07	3	Horizontal	198	1.50	-	43.62	33.14	6.36	34.43

BT-LE(2Mbps)

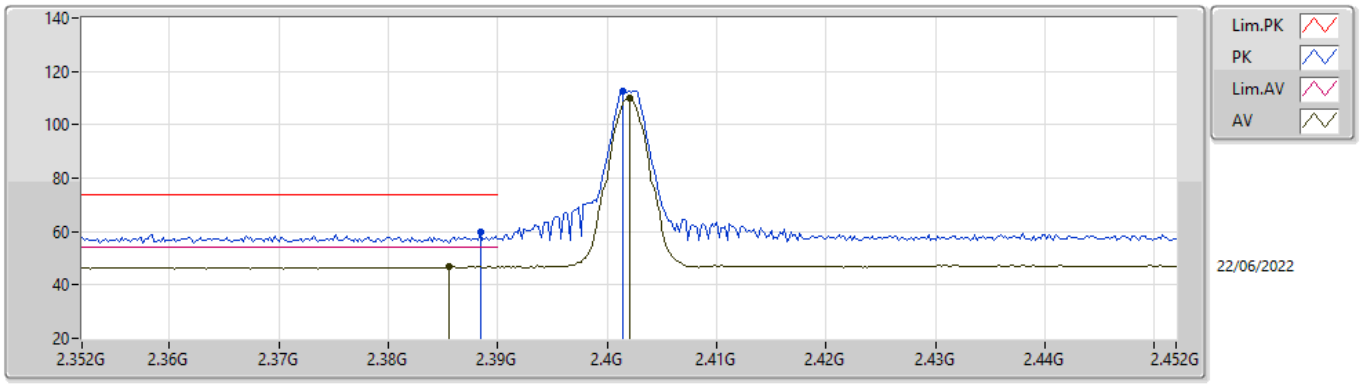
2402MHz_TX



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	2.388G	46.67	54.00	-7.33	31.75	3	Vertical	20	1.12	-	14.92	27.38	4.37	-
AV	2.402G	109.58	Inf	-Inf	31.79	3	Vertical	20	1.12	-	77.79	27.41	4.38	-
PK	2.3698G	58.66	74.00	-15.34	31.69	3	Vertical	20	1.12	-	26.97	27.34	4.35	-
PK	2.4024G	112.02	Inf	-Inf	31.79	3	Vertical	20	1.12	-	80.23	27.41	4.38	-

BT-LE(2Mbps)

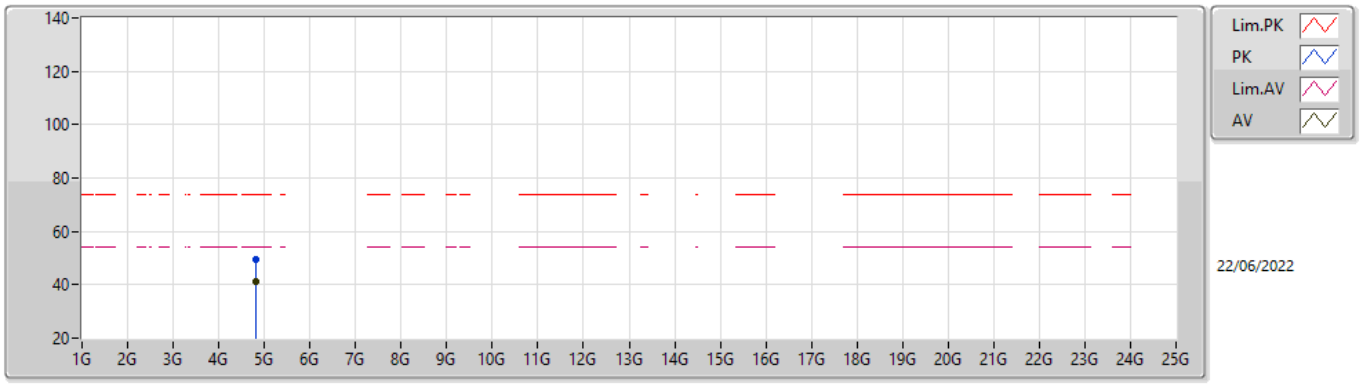
2402MHz_TX



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	2.3856G	46.88	54.00	-7.12	31.73	3	Horizontal	6	1.50	-	15.15	27.37	4.36	-
AV	2.402G	110.24	Inf	-Inf	31.79	3	Horizontal	6	1.50	-	78.45	27.41	4.38	-
PK	2.3884G	59.57	74.00	-14.43	31.75	3	Horizontal	6	1.50	-	27.82	27.38	4.37	-
PK	2.4014G	112.79	Inf	-Inf	31.79	3	Horizontal	6	1.50	-	81.00	27.41	4.38	-

BT-LE(2Mbps)

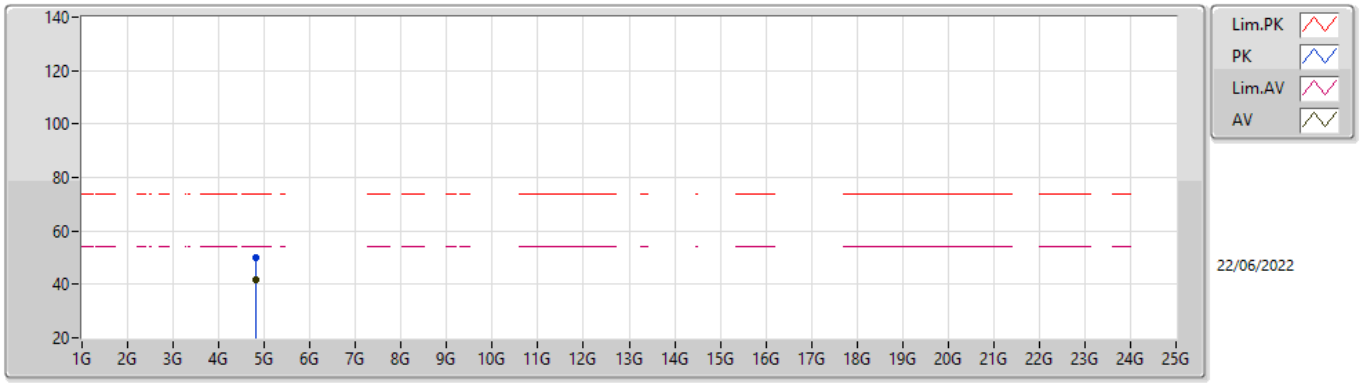
2402MHz_TX



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	4.8031G	41.44	54.00	-12.56	4.32	3	Vertical	103	1.20	-	37.12	32.51	6.26	34.45
PK	4.80306G	49.63	74.00	-24.37	4.32	3	Vertical	103	1.20	-	45.31	32.51	6.26	34.45

BT-LE(2Mbps)

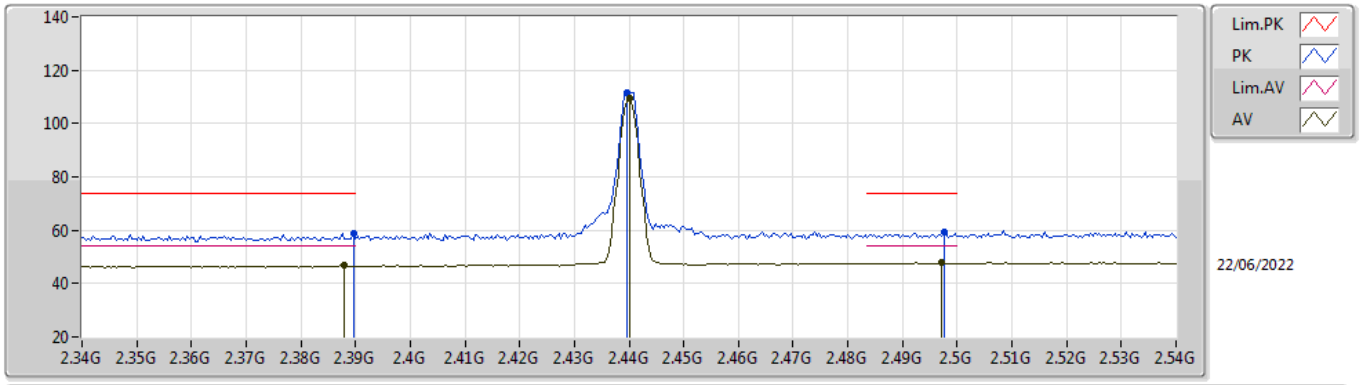
2402MHz_TX



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	4.80303G	41.66	54.00	-12.34	4.32	3	Horizontal	342	2.35	-	37.34	32.51	6.26	34.45
PK	4.80314G	49.83	74.00	-24.17	4.32	3	Horizontal	342	2.35	-	45.51	32.51	6.26	34.45

BT-LE(2Mbps)

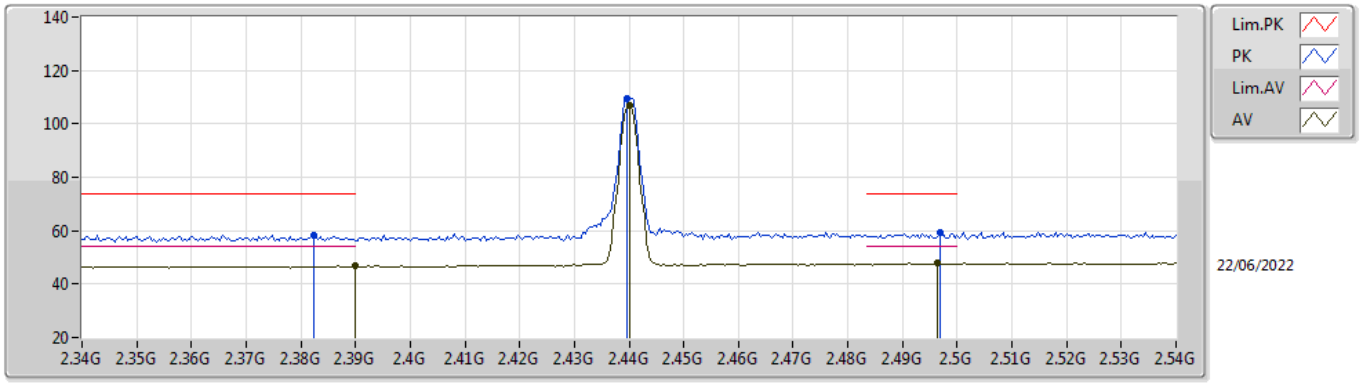
2440MHz_TX



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	2.388G	46.68	54.00	-7.32	31.75	3	Vertical	17	2.30	-	14.93	27.38	4.37	-
AV	2.44G	109.32	Inf	-Inf	32.00	3	Vertical	17	2.30	-	77.32	27.56	4.44	-
AV	2.4972G	47.70	54.00	-6.30	32.40	3	Vertical	17	2.30	-	15.30	27.88	4.52	-
PK	2.3896G	58.75	74.00	-15.25	31.75	3	Vertical	17	2.30	-	27.00	27.38	4.37	-
PK	2.4396G	111.74	Inf	-Inf	32.00	3	Vertical	17	2.30	-	79.74	27.56	4.44	-
PK	2.4976G	59.07	74.00	-14.93	32.41	3	Vertical	17	2.30	-	26.66	27.89	4.52	-

BT-LE(2Mbps)

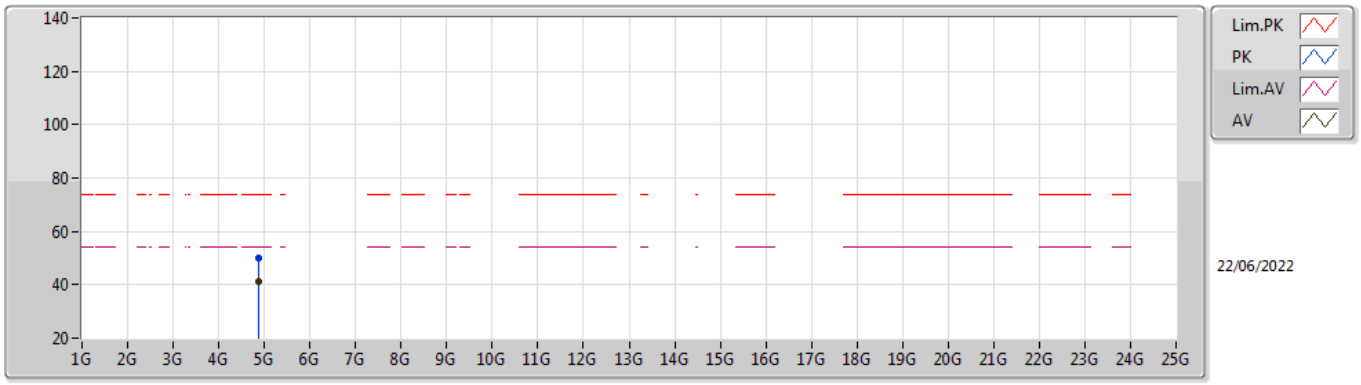
2440MHz_TX



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	2.39G	46.69	54.00	-7.31	31.75	3	Horizontal	0	1.00	-	14.94	27.38	4.37	-
AV	2.44G	106.92	Inf	-Inf	32.00	3	Horizontal	0	1.00	-	74.92	27.56	4.44	-
AV	2.4964G	47.70	54.00	-6.30	32.40	3	Horizontal	0	1.00	-	15.30	27.88	4.52	-
PK	2.3824G	58.31	74.00	-15.69	31.72	3	Horizontal	0	1.00	-	26.59	27.36	4.36	-
PK	2.4396G	109.36	Inf	-Inf	32.00	3	Horizontal	0	1.00	-	77.36	27.56	4.44	-
PK	2.4968G	59.26	74.00	-14.74	32.40	3	Horizontal	0	1.00	-	26.86	27.88	4.52	-

BT-LE(2Mbps)

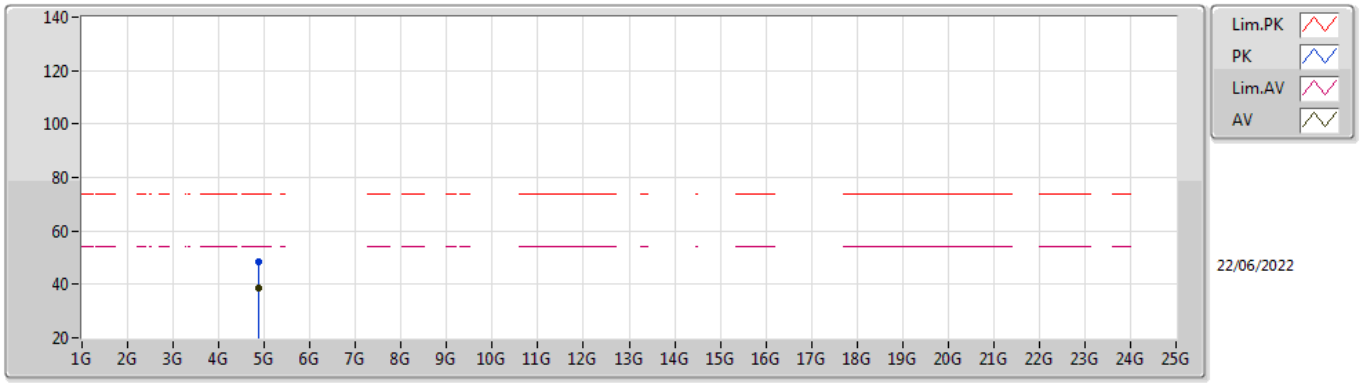
2440MHz_TX



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	4.87908G	41.28	54.00	-12.72	4.63	3	Vertical	112	1.01	-	36.65	32.76	6.31	34.44
PK	4.88103G	50.02	74.00	-23.98	4.63	3	Vertical	112	1.01	-	45.39	32.76	6.31	34.44

BT-LE(2Mbps)

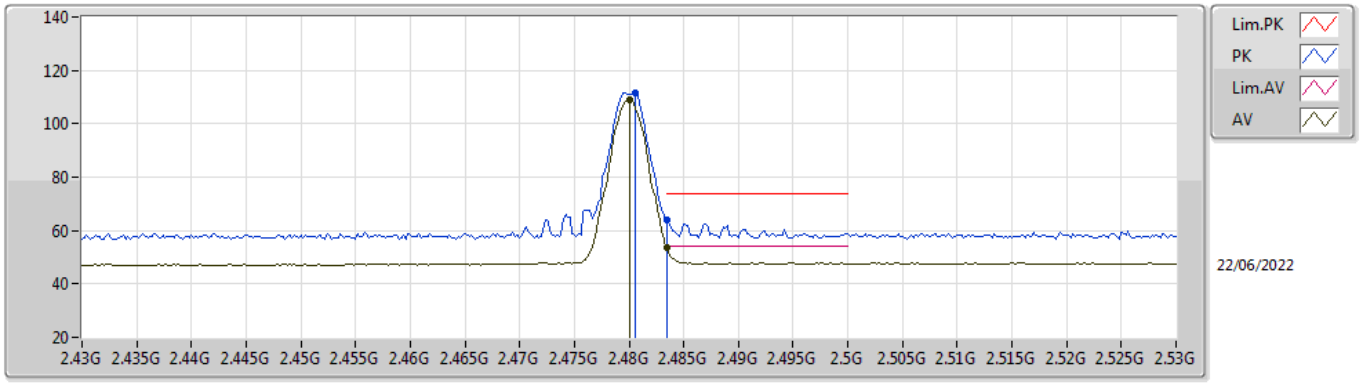
2440MHz_TX



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	4.87902G	38.83	54.00	-15.17	4.63	3	Horizontal	210	1.38	-	34.20	32.76	6.31	34.44
PK	4.87899G	48.53	74.00	-25.47	4.63	3	Horizontal	210	1.38	-	43.90	32.76	6.31	34.44

BT-LE(2Mbps)

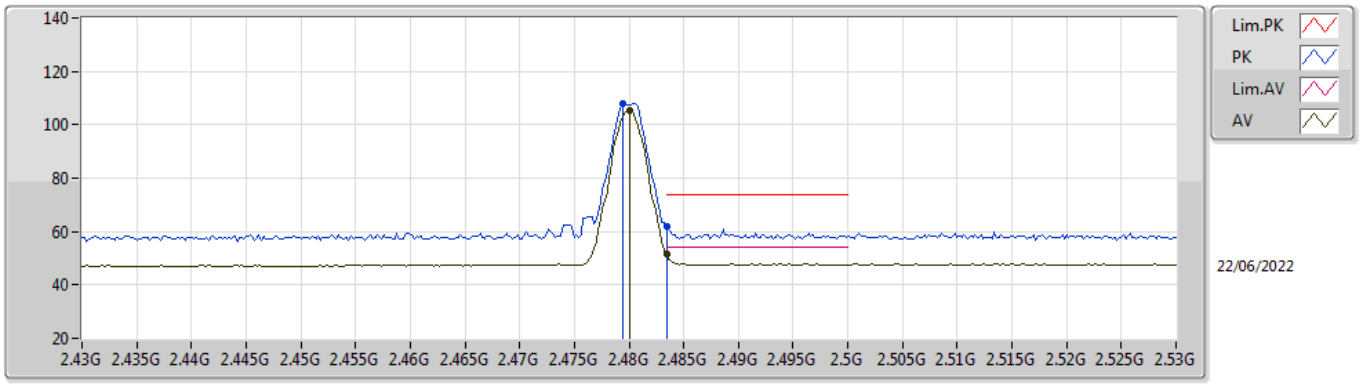
2480MHz_TX



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	108.99	Inf	-Inf	32.28	3	Vertical	23	2.24	-	76.71	27.78	4.50	-
AV	2.4835G	53.78	54.00	-0.22	32.30	3	Vertical	23	2.24	-	21.48	27.80	4.50	-
PK	2.4806G	111.40	Inf	-Inf	32.28	3	Vertical	23	2.24	-	79.12	27.78	4.50	-
PK	2.4835G	64.22	74.00	-9.78	32.30	3	Vertical	23	2.24	-	31.92	27.80	4.50	-

BT-LE(2Mbps)

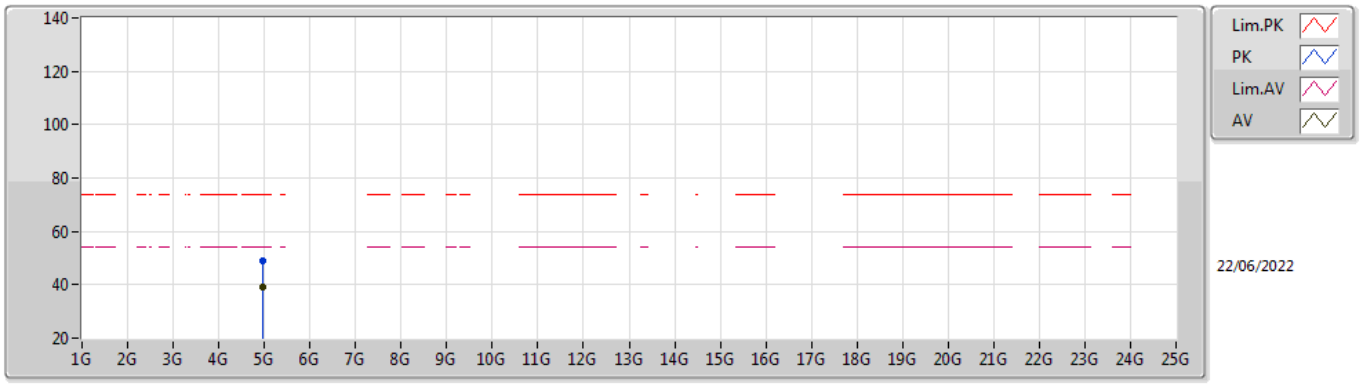
2480MHz_TX



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	105.32	Inf	-Inf	32.28	3	Horizontal	318	1.50	-	73.04	27.78	4.50	-
AV	2.4835G	51.41	54.00	-2.59	32.30	3	Horizontal	318	1.50	-	19.11	27.80	4.50	-
PK	2.4794G	107.77	Inf	-Inf	32.28	3	Horizontal	318	1.50	-	75.49	27.78	4.50	-
PK	2.4835G	61.73	74.00	-12.27	32.30	3	Horizontal	318	1.50	-	29.43	27.80	4.50	-

BT-LE(2Mbps)

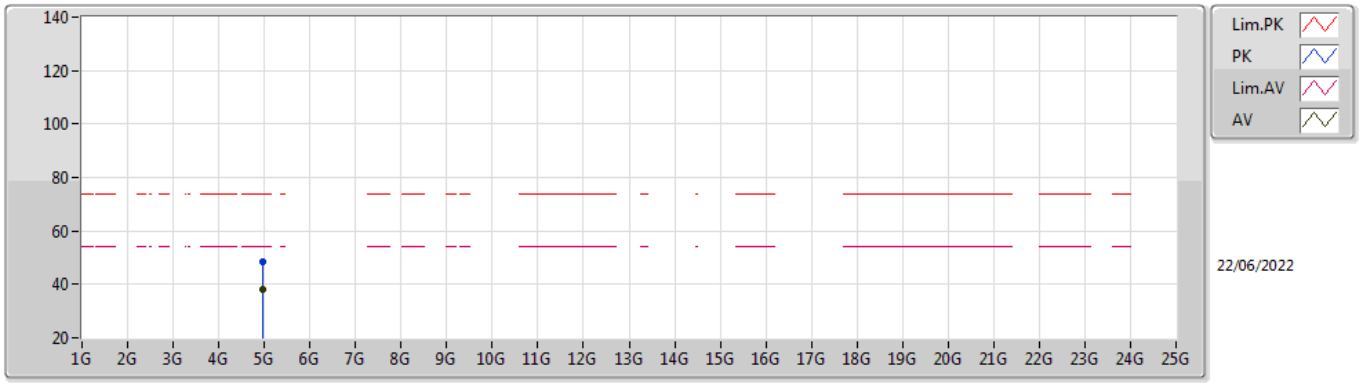
2480MHz_TX



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	4.96037G	39.33	54.00	-14.67	5.07	3	Vertical	104	1.07	-	34.26	33.14	6.36	34.43
PK	4.96014G	48.82	74.00	-25.18	5.07	3	Vertical	104	1.07	-	43.75	33.14	6.36	34.43

BT-LE(2Mbps)

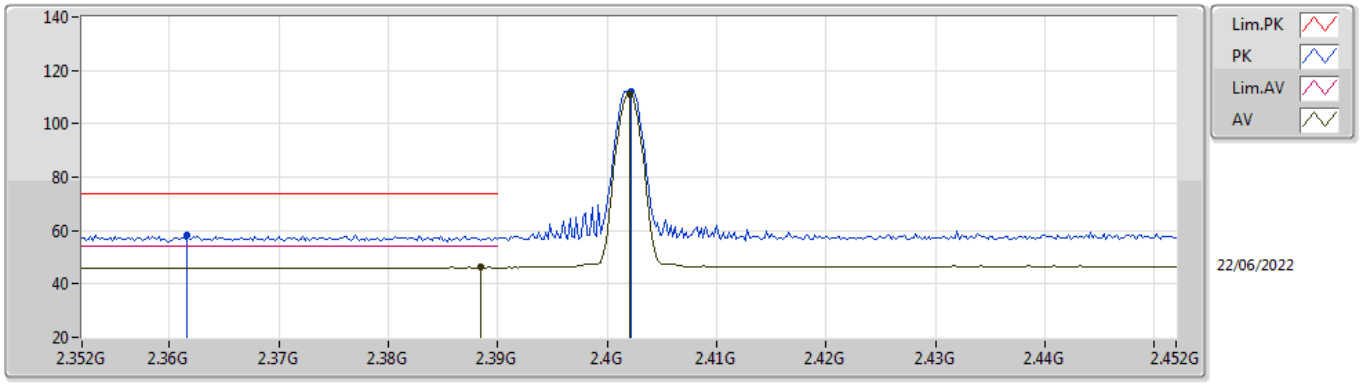
2480MHz_TX



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	4.95952G	38.13	54.00	-15.87	5.07	3	Horizontal	199	1.54	-	33.06	33.14	6.36	34.43
PK	4.95921G	48.67	74.00	-25.33	5.07	3	Horizontal	199	1.54	-	43.60	33.14	6.36	34.43

BT-LE(125kbps)

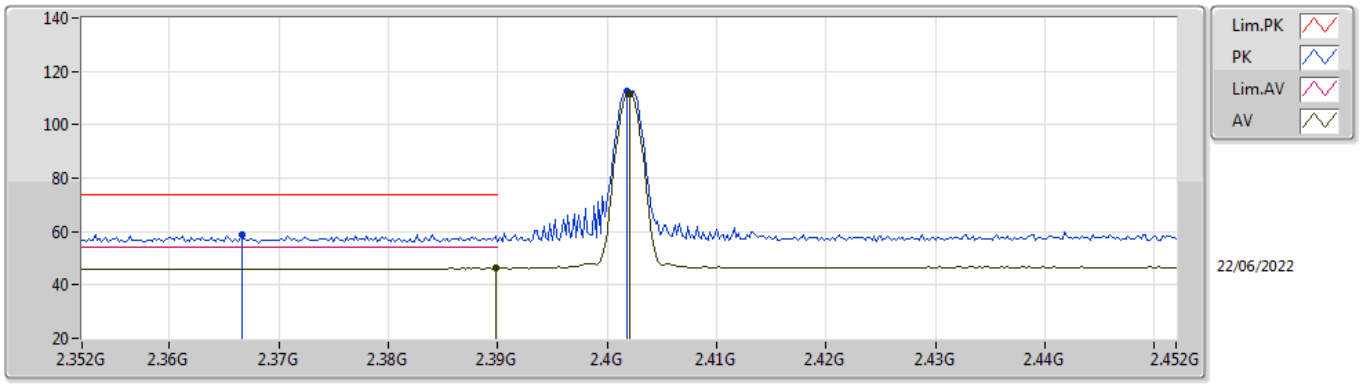
2402MHz_TX



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	2.3884G	46.17	54.00	-7.83	31.75	3	Vertical	20	1.12	-	14.42	27.38	4.37	-
AV	2.402G	110.90	Inf	-Inf	31.79	3	Vertical	20	1.12	-	79.11	27.41	4.38	-
PK	2.3616G	58.19	74.00	-15.81	31.66	3	Vertical	20	1.12	-	26.53	27.32	4.34	-
PK	2.4022G	111.95	Inf	-Inf	31.79	3	Vertical	20	1.12	-	80.16	27.41	4.38	-

BT-LE(125kbps)

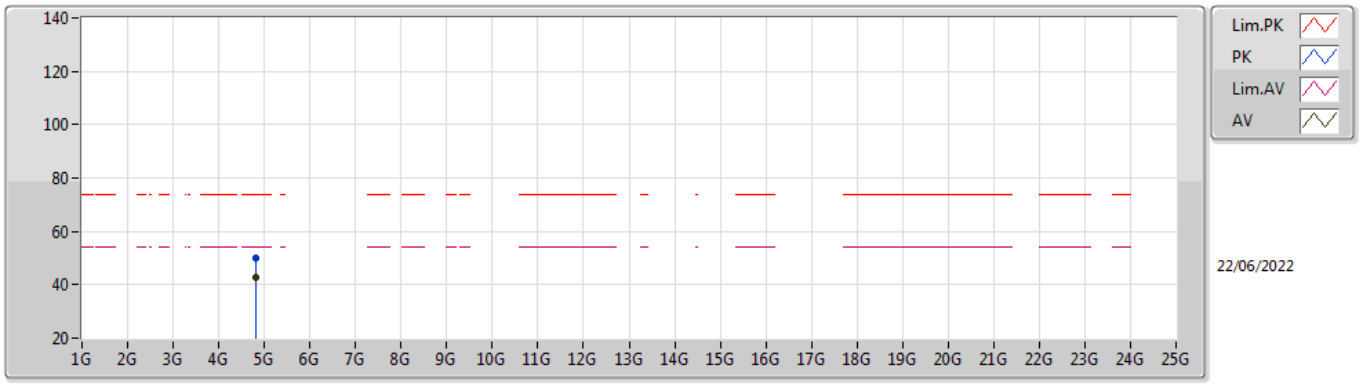
2402MHz_TX



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	2.3898G	46.18	54.00	-7.82	31.75	3	Horizontal	6	1.50	-	14.43	27.38	4.37	-
AV	2.402G	111.68	Inf	-Inf	31.79	3	Horizontal	6	1.50	-	79.89	27.41	4.38	-
PK	2.3666G	58.89	74.00	-15.11	31.67	3	Horizontal	6	1.50	-	27.22	27.33	4.34	-
PK	2.4018G	112.73	Inf	-Inf	31.79	3	Horizontal	6	1.50	-	80.94	27.41	4.38	-

BT-LE(125kbps)

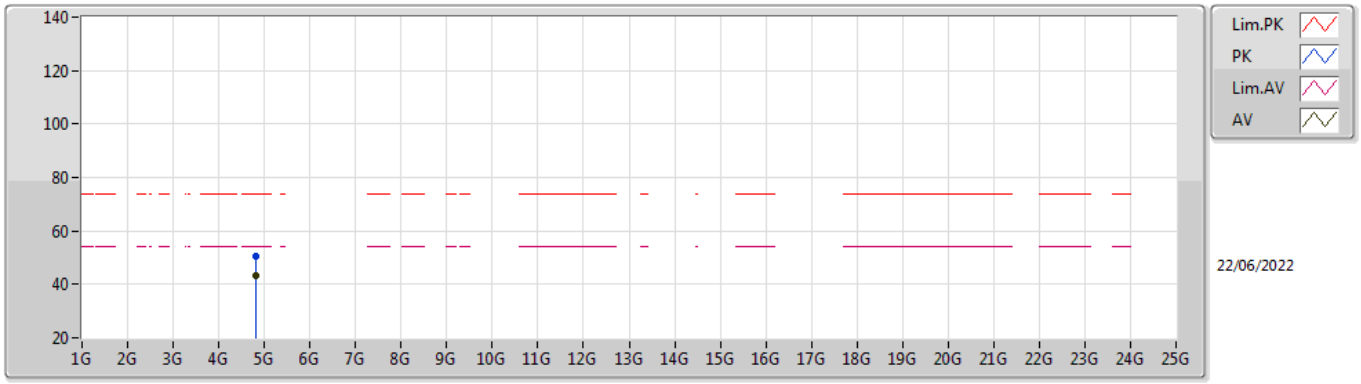
2402MHz_TX



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	4.80378G	42.62	54.00	-11.38	4.33	3	Vertical	88	1.21	-	38.29	32.52	6.26	34.45
PK	4.8041G	50.25	74.00	-23.75	4.33	3	Vertical	88	1.21	-	45.92	32.52	6.26	34.45

BT-LE(125kbps)

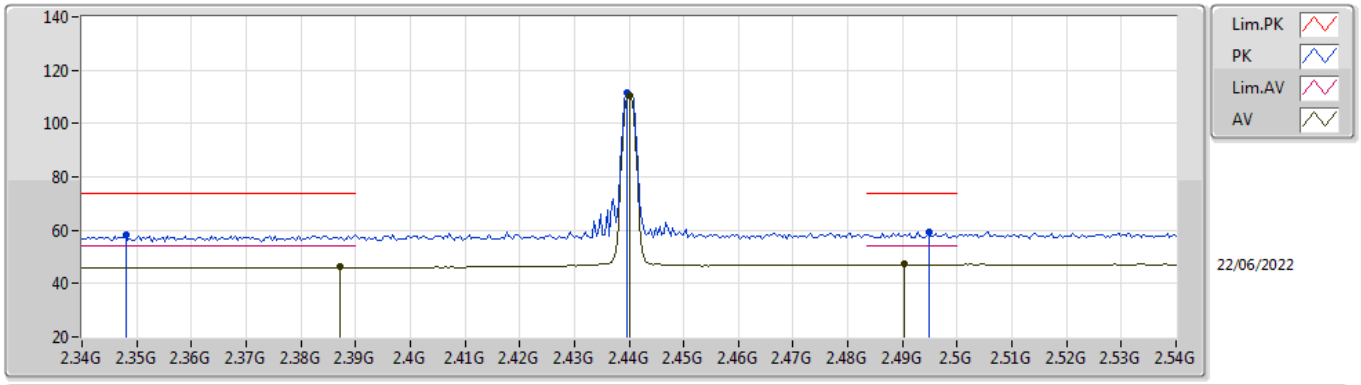
2402MHz_TX



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	4.80386G	43.06	54.00	-10.94	4.33	3	Horizontal	342	2.34	-	38.73	32.52	6.26	34.45
PK	4.80418G	50.73	74.00	-23.27	4.33	3	Horizontal	342	2.34	-	46.40	32.52	6.26	34.45

BT-LE(125kbps)

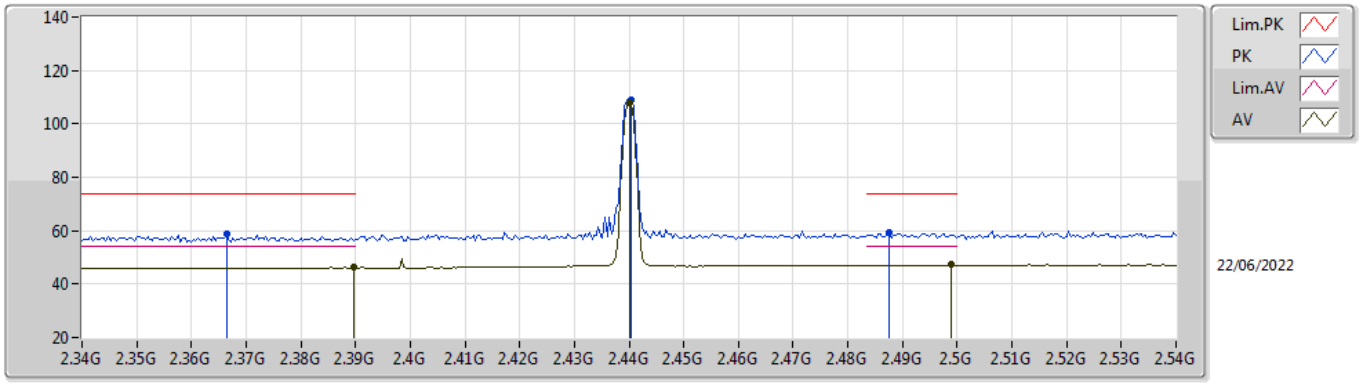
2440MHz_TX



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	2.3872G	46.15	54.00	-7.85	31.74	3	Vertical	17	2.29	-	14.41	27.37	4.37	-
AV	2.44G	110.64	Inf	-Inf	32.00	3	Vertical	17	2.29	-	78.64	27.56	4.44	-
AV	2.4904G	47.16	54.00	-6.84	32.35	3	Vertical	17	2.29	-	14.81	27.84	4.51	-
PK	2.348G	58.16	74.00	-15.84	31.62	3	Vertical	17	2.29	-	26.54	27.29	4.33	-
PK	2.4396G	111.80	Inf	-Inf	32.00	3	Vertical	17	2.29	-	79.80	27.56	4.44	-
PK	2.4948G	59.26	74.00	-14.74	32.39	3	Vertical	17	2.29	-	26.87	27.87	4.52	-

BT-LE(125kbps)

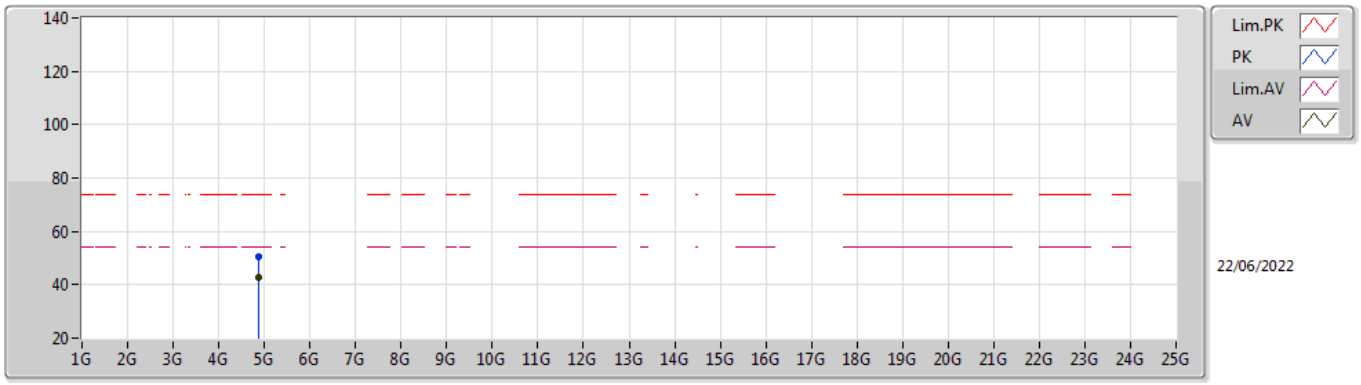
2440MHz_TX



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	2.3896G	46.18	54.00	-7.82	31.75	3	Horizontal	1	1.56	-	14.43	27.38	4.37	-
AV	2.44G	107.96	Inf	-Inf	32.00	3	Horizontal	1	1.56	-	75.96	27.56	4.44	-
AV	2.4988G	47.19	54.00	-6.81	32.41	3	Horizontal	1	1.56	-	14.78	27.89	4.52	-
PK	2.3664G	58.64	74.00	-15.36	31.67	3	Horizontal	1	1.56	-	26.97	27.33	4.34	-
PK	2.4404G	109.07	Inf	-Inf	32.00	3	Horizontal	1	1.56	-	77.07	27.56	4.44	-
PK	2.4876G	59.10	74.00	-14.90	32.34	3	Horizontal	1	1.56	-	26.76	27.83	4.51	-

BT-LE(125kbps)

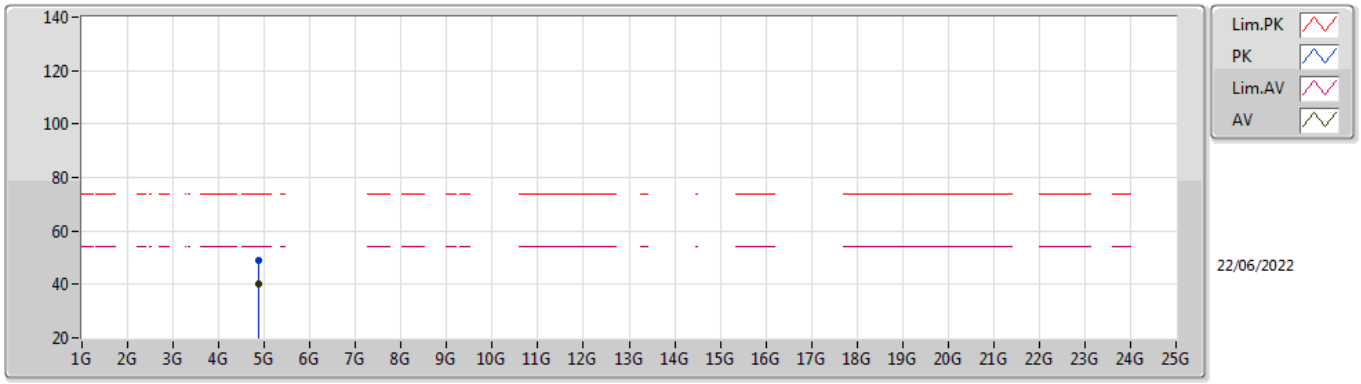
2440MHz_TX



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	4.88G	42.77	54.00	-11.23	4.63	3	Vertical	112	1.06	-	38.14	32.76	6.31	34.44
PK	4.88001G	50.43	74.00	-23.57	4.63	3	Vertical	112	1.06	-	45.80	32.76	6.31	34.44

BT-LE(125kbps)

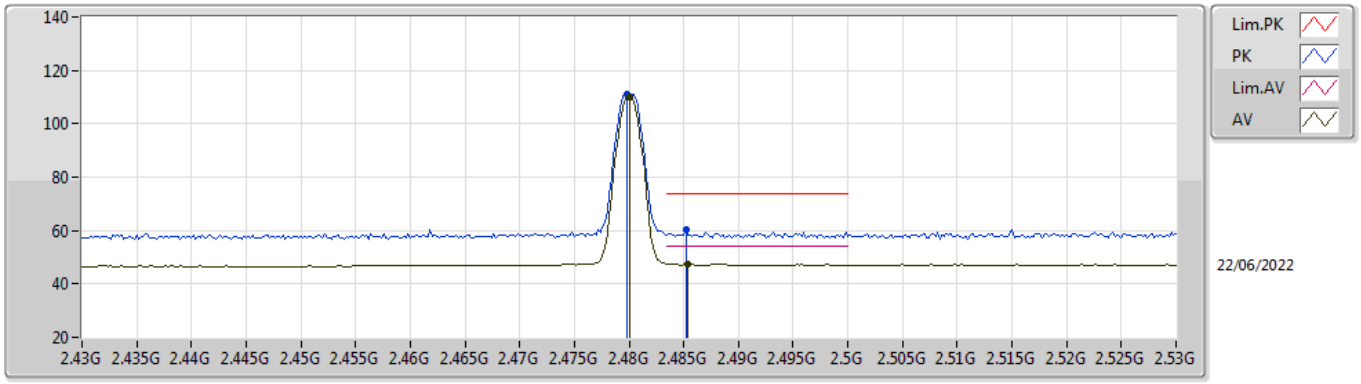
2440MHz_TX



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	4.88G	40.21	54.00	-13.79	4.63	3	Horizontal	210	1.00	-	35.58	32.76	6.31	34.44
PK	4.87992G	48.73	74.00	-25.27	4.63	3	Horizontal	210	1.00	-	44.10	32.76	6.31	34.44

BT-LE(125kbps)

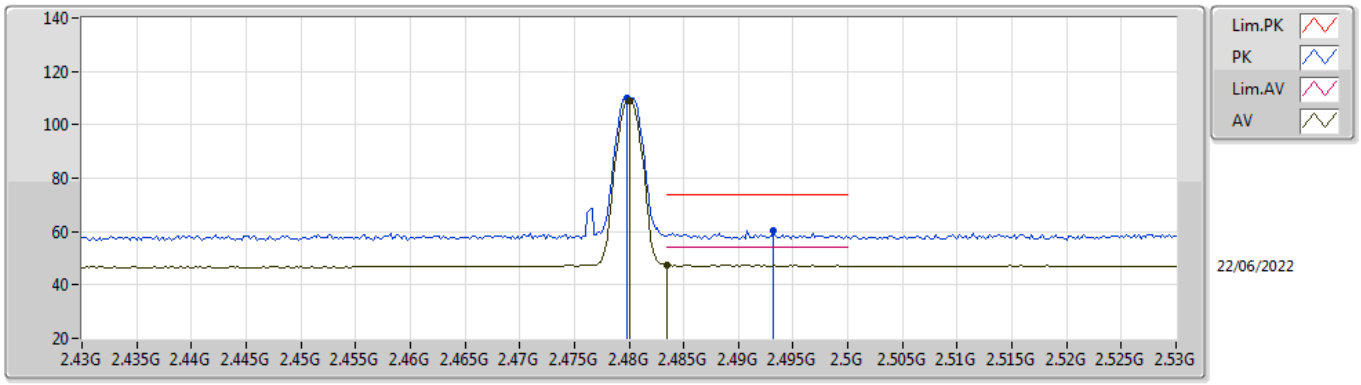
2480MHz_TX



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	110.17	Inf	-Inf	32.28	3	Vertical	21	2.24	-	77.89	27.78	4.50	-
AV	2.4854G	47.65	54.00	-6.35	32.31	3	Vertical	21	2.24	-	15.34	27.81	4.50	-
PK	2.4798G	111.22	Inf	-Inf	32.28	3	Vertical	21	2.24	-	78.94	27.78	4.50	-
PK	2.4852G	60.14	74.00	-13.86	32.31	3	Vertical	21	2.24	-	27.83	27.81	4.50	-

BT-LE(125kbps)

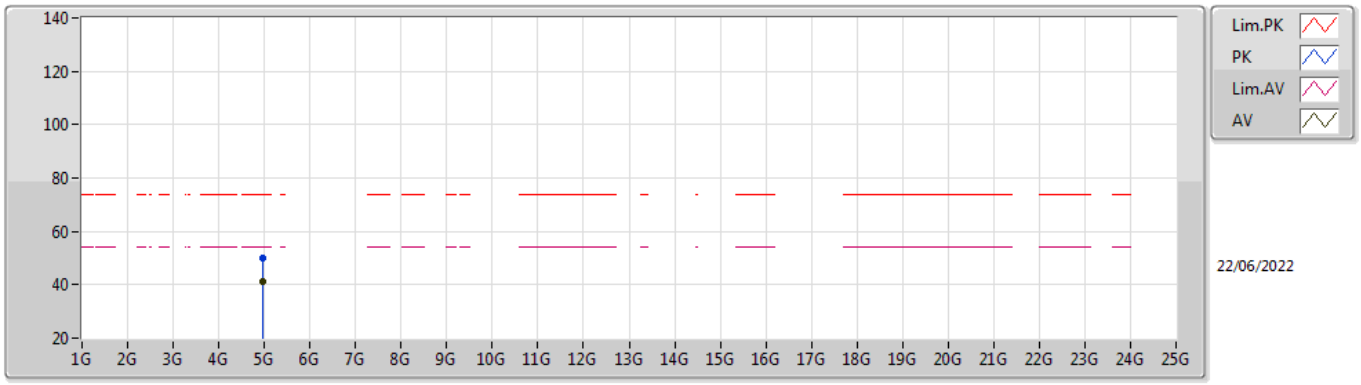
2480MHz_TX



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	109.15	Inf	-Inf	32.28	3	Horizontal	327	1.50	-	76.87	27.78	4.50	-
AV	2.4835G	47.64	54.00	-6.36	32.30	3	Horizontal	327	1.50	-	15.34	27.80	4.50	-
PK	2.4798G	110.21	Inf	-Inf	32.28	3	Horizontal	327	1.50	-	77.93	27.78	4.50	-
PK	2.4932G	60.41	74.00	-13.59	32.38	3	Horizontal	327	1.50	-	28.03	27.86	4.52	-

BT-LE(125kbps)

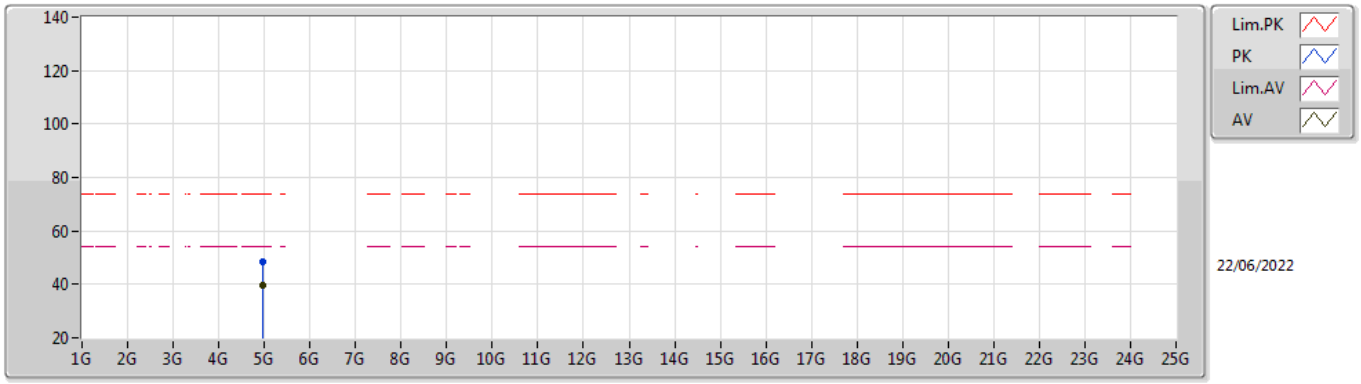
2480MHz_TX



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	4.96007G	41.21	54.00	-12.79	5.07	3	Vertical	102	1.08	-	36.14	33.14	6.36	34.43
PK	4.95936G	49.81	74.00	-24.19	5.07	3	Vertical	102	1.08	-	44.74	33.14	6.36	34.43

BT-LE(125kbps)

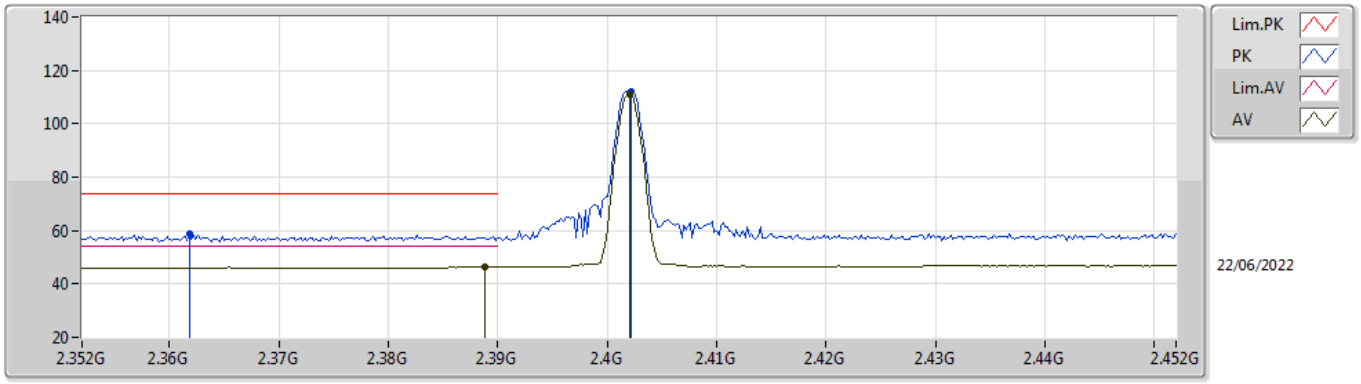
2480MHz_TX



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	4.9599G	39.62	54.00	-14.38	5.07	3	Horizontal	199	1.52	-	34.55	33.14	6.36	34.43
PK	4.95962G	48.46	74.00	-25.54	5.07	3	Horizontal	199	1.52	-	43.39	33.14	6.36	34.43

BT-LE(500kbps)

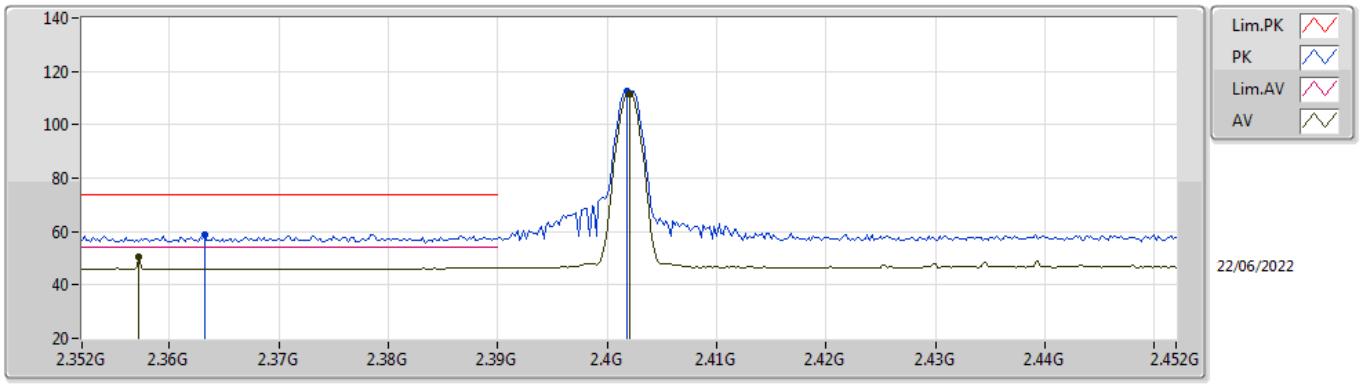
2402MHz_TX



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	2.3888G	46.43	54.00	-7.57	31.75	3	Vertical	19	1.11	-	14.68	27.38	4.37	-
AV	2.402G	110.97	Inf	-Inf	31.79	3	Vertical	19	1.11	-	79.18	27.41	4.38	-
PK	2.3618G	58.88	74.00	-15.12	31.66	3	Vertical	19	1.11	-	27.22	27.32	4.34	-
PK	2.4022G	111.91	Inf	-Inf	31.79	3	Vertical	19	1.11	-	80.12	27.41	4.38	-

BT-LE(500kbps)

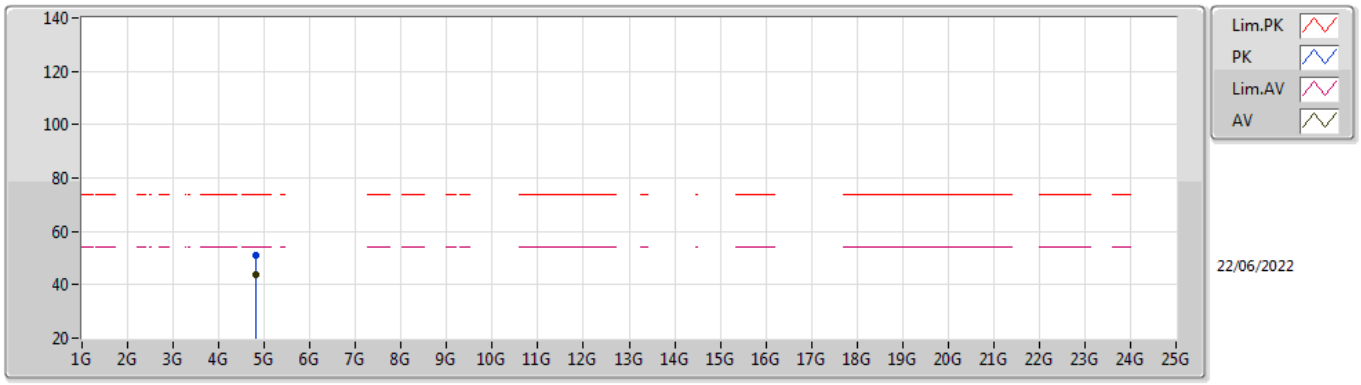
2402MHz_TX



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	2.3572G	50.34	54.00	-3.66	31.65	3	Horizontal	6	1.50	-	18.69	27.31	4.34	-
AV	2.402G	111.78	Inf	-Inf	31.79	3	Horizontal	6	1.50	-	79.99	27.41	4.38	-
PK	2.3632G	58.64	74.00	-15.36	31.67	3	Horizontal	6	1.50	-	26.97	27.33	4.34	-
PK	2.4018G	112.69	Inf	-Inf	31.79	3	Horizontal	6	1.50	-	80.90	27.41	4.38	-

BT-LE(500kbps)

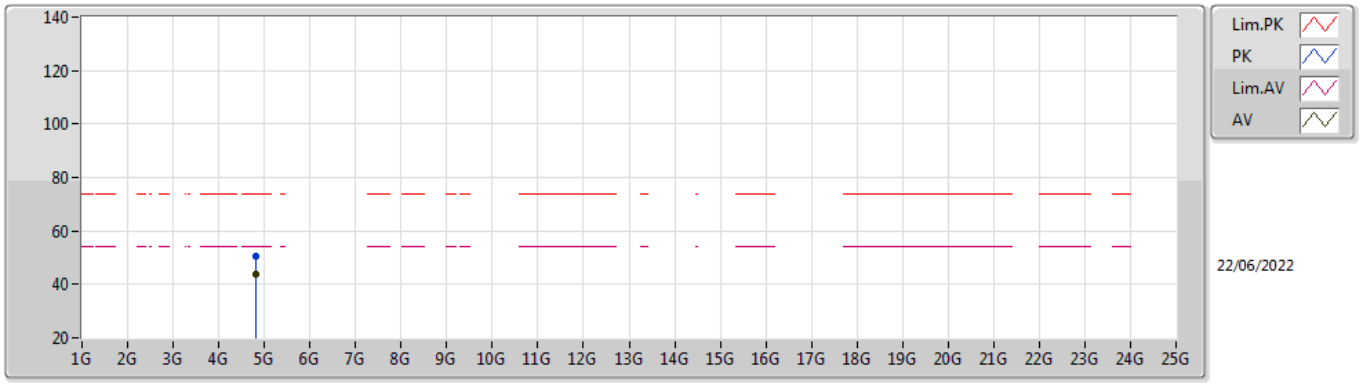
2402MHz_TX



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	4.80395G	43.92	54.00	-10.08	4.33	3	Vertical	112	1.14	-	39.59	32.52	6.26	34.45
PK	4.80399G	51.19	74.00	-22.81	4.33	3	Vertical	112	1.14	-	46.86	32.52	6.26	34.45

BT-LE(500kbps)

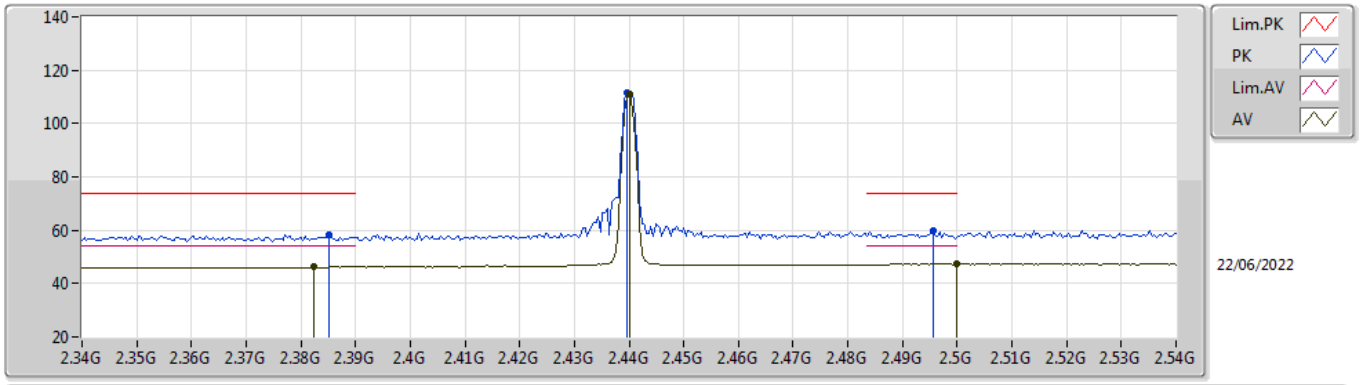
2402MHz_TX



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	4.80396G	43.57	54.00	-10.43	4.33	3	Horizontal	346	2.34	-	39.24	32.52	6.26	34.45
PK	4.80398G	50.42	74.00	-23.58	4.33	3	Horizontal	346	2.34	-	46.09	32.52	6.26	34.45

BT-LE(500kbps)

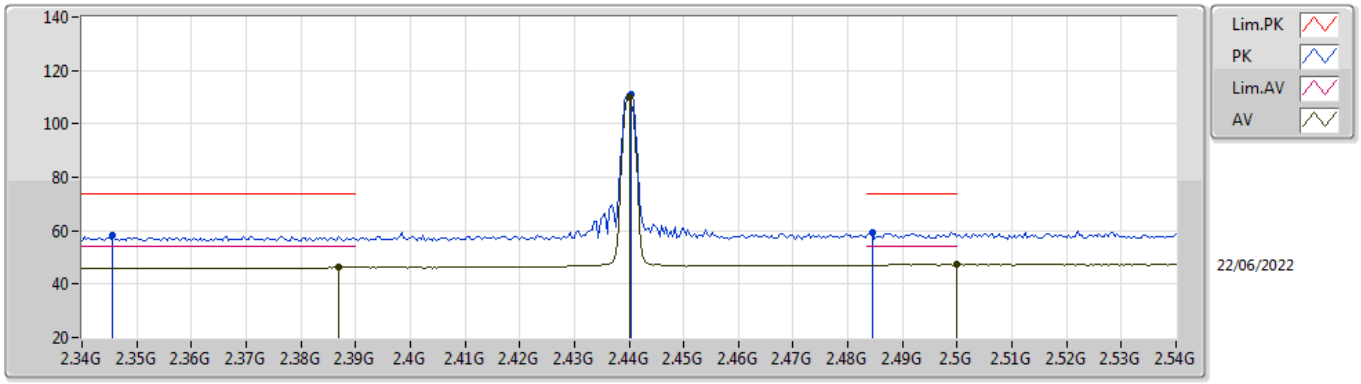
2440MHz_TX



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	2.3824G	46.37	54.00	-7.63	31.72	3	Vertical	18	2.30	-	14.65	27.36	4.36	-
AV	2.44G	110.81	Inf	-Inf	32.00	3	Vertical	18	2.30	-	78.81	27.56	4.44	-
AV	2.5G	47.21	54.00	-6.79	32.43	3	Vertical	18	2.30	-	14.78	27.90	4.53	-
PK	2.3852G	58.52	74.00	-15.48	31.73	3	Vertical	18	2.30	-	26.79	27.37	4.36	-
PK	2.4396G	111.71	Inf	-Inf	32.00	3	Vertical	18	2.30	-	79.71	27.56	4.44	-
PK	2.4956G	60.06	74.00	-13.94	32.39	3	Vertical	18	2.30	-	27.67	27.87	4.52	-

BT-LE(500kbps)

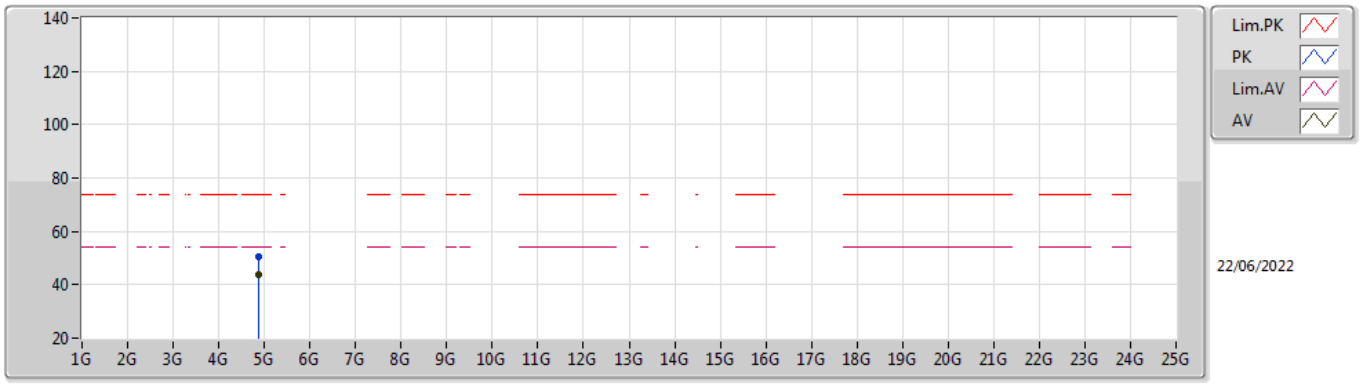
2440MHz_TX



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	2.3868G	46.41	54.00	-7.59	31.74	3	Horizontal	12	1.56	-	14.67	27.37	4.37	-
AV	2.44G	110.20	Inf	-Inf	32.00	3	Horizontal	12	1.56	-	78.20	27.56	4.44	-
AV	2.5G	47.21	54.00	-6.79	32.43	3	Horizontal	12	1.56	-	14.78	27.90	4.53	-
PK	2.3456G	58.09	74.00	-15.91	31.60	3	Horizontal	12	1.56	-	26.49	27.28	4.32	-
PK	2.4404G	111.12	Inf	-Inf	32.00	3	Horizontal	12	1.56	-	79.12	27.56	4.44	-
PK	2.4844G	59.34	74.00	-14.66	32.31	3	Horizontal	12	1.56	-	27.03	27.81	4.50	-

BT-LE(500kbps)

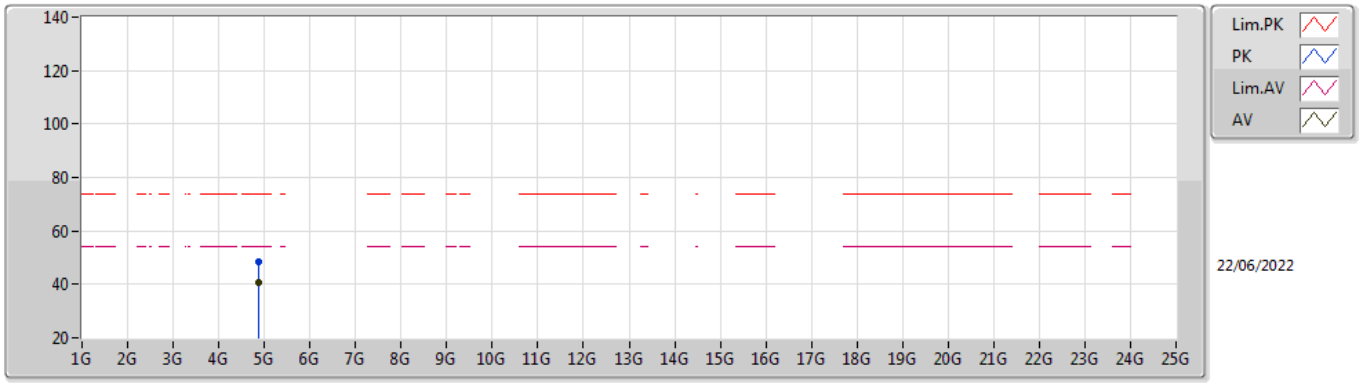
2440MHz_TX



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	4.87998G	43.60	54.00	-10.40	4.63	3	Vertical	112	1.00	-	38.97	32.76	6.31	34.44
PK	4.88018G	50.69	74.00	-23.31	4.63	3	Vertical	112	1.00	-	46.06	32.76	6.31	34.44

BT-LE(500kbps)

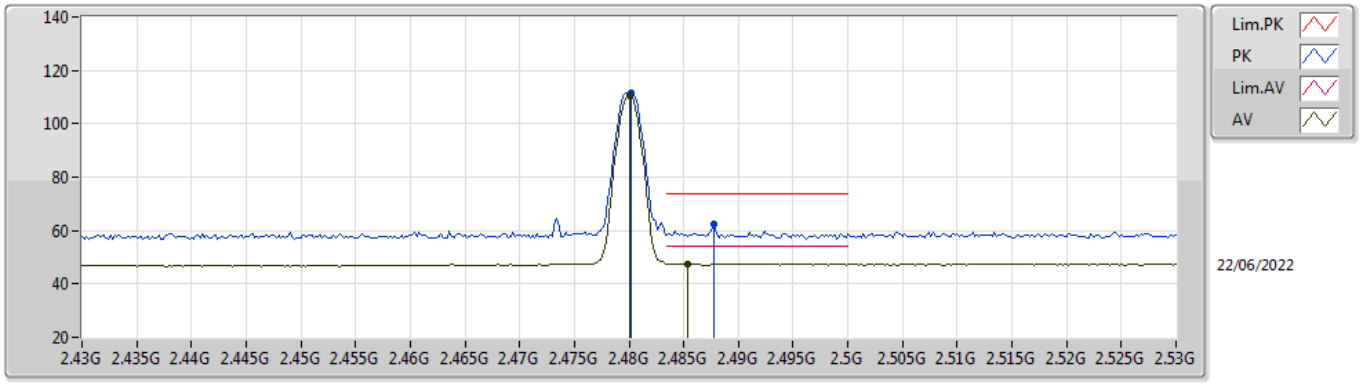
2440MHz_TX



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	4.87999G	40.47	54.00	-13.53	4.63	3	Horizontal	211	1.24	-	35.84	32.76	6.31	34.44
PK	4.87971G	48.47	74.00	-25.53	4.63	3	Horizontal	211	1.24	-	43.84	32.76	6.31	34.44

BT-LE(500kbps)

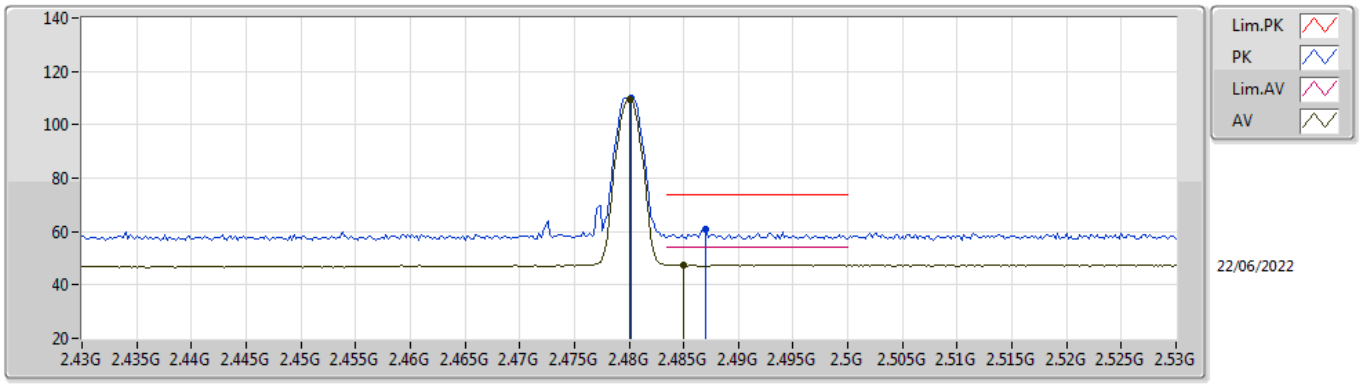
2480MHz_TX



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	110.42	Inf	-Inf	32.28	3	Vertical	23	2.24	-	78.14	27.78	4.50	-
AV	2.4854G	47.65	54.00	-6.35	32.31	3	Vertical	23	2.24	-	15.34	27.81	4.50	-
PK	2.4802G	111.32	Inf	-Inf	32.28	3	Vertical	23	2.24	-	79.04	27.78	4.50	-
PK	2.4878G	62.24	74.00	-11.76	32.34	3	Vertical	23	2.24	-	29.90	27.83	4.51	-

BT-LE(500kbps)

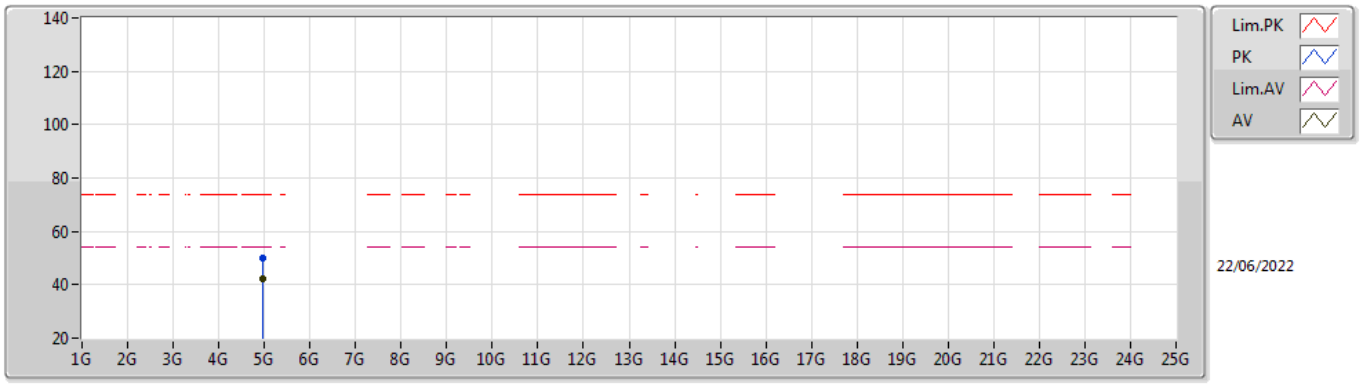
2480MHz_TX



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	109.34	Inf	-Inf	32.28	3	Horizontal	328	1.50	-	77.06	27.78	4.50	-
AV	2.485G	47.65	54.00	-6.35	32.31	3	Horizontal	328	1.50	-	15.34	27.81	4.50	-
PK	2.4802G	110.25	Inf	-Inf	32.28	3	Horizontal	328	1.50	-	77.97	27.78	4.50	-
PK	2.487G	60.94	74.00	-13.06	32.33	3	Horizontal	328	1.50	-	28.61	27.82	4.51	-

BT-LE(500kbps)

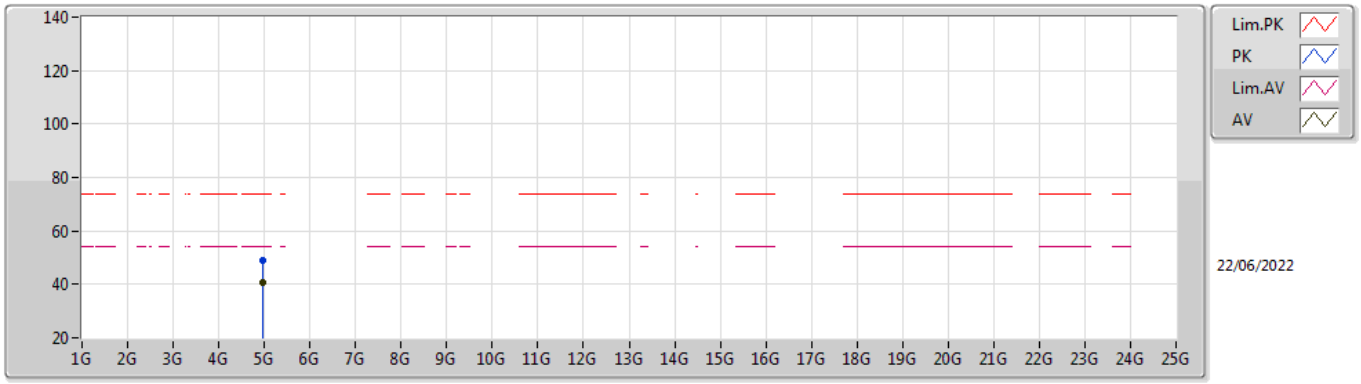
2480MHz_TX



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	4.96004G	42.31	54.00	-11.69	5.07	3	Vertical	102	1.08	-	37.24	33.14	6.36	34.43
PK	4.95966G	50.16	74.00	-23.84	5.07	3	Vertical	102	1.08	-	45.09	33.14	6.36	34.43

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	4.95992G	40.56	54.00	-13.44	5.07	3	Horizontal	199	1.52	-	35.49	33.14	6.36	34.43
PK	4.96003G	48.84	74.00	-25.16	5.07	3	Horizontal	199	1.52	-	43.77	33.14	6.36	34.43

Summary

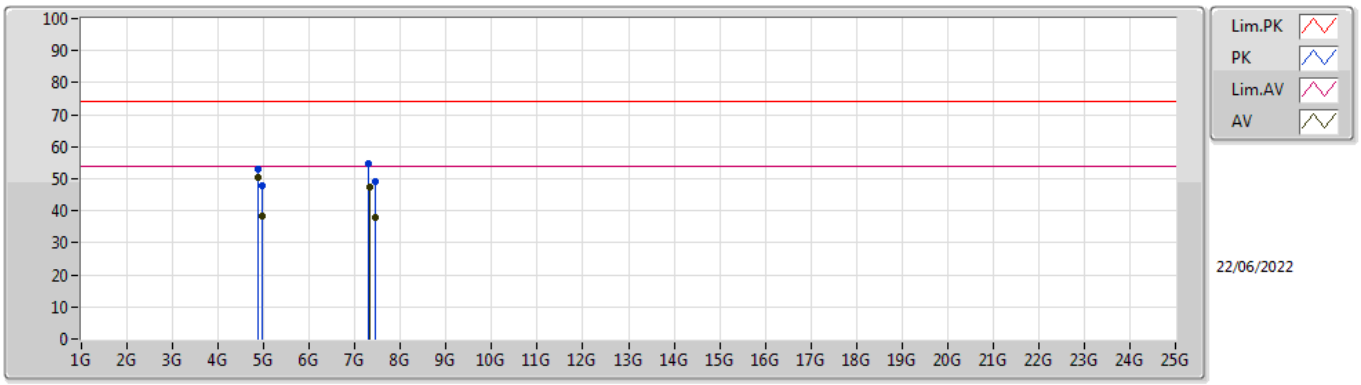
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.87394G	51.24	54.00	-2.76	Horizontal
Mode 2	Pass	AV	15.71766G	50.84	54.00	-3.16	Horizontal
Mode 3	Pass	AV	7.38524G	50.87	54.00	-3.13	Horizontal
Mode 4	Pass	AV	7.34022G	50.51	54.00	-3.49	Horizontal

Mode config

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.874G	50.62	54.00	-3.38	3	Vertical	64	2.33	-
Mode 1	Pass	AV	4.95903G	38.18	54.00	-15.82	3	Vertical	31	1.10	-
Mode 1	Pass	AV	7.31172G	47.45	54.00	-6.55	3	Vertical	219	1.55	-
Mode 1	Pass	AV	7.44079G	38.00	54.00	-16.00	3	Vertical	267	2.60	-
Mode 1	Pass	PK	4.87388G	53.14	74.00	-20.86	3	Vertical	64	2.33	-
Mode 1	Pass	PK	4.96083G	47.67	74.00	-26.33	3	Vertical	31	1.10	-
Mode 1	Pass	PK	7.30974G	54.84	74.00	-19.16	3	Vertical	219	1.55	-
Mode 1	Pass	PK	7.44085G	48.93	74.00	-25.07	3	Vertical	267	2.60	-
Mode 1	Pass	AV	4.87394G	51.24	54.00	-2.76	3	Horizontal	357	1.69	-
Mode 1	Pass	AV	4.95911G	40.66	54.00	-13.34	3	Horizontal	40	2.33	-
Mode 1	Pass	AV	7.31178G	50.22	54.00	-3.78	3	Horizontal	28	2.49	-
Mode 1	Pass	AV	7.44049G	37.91	54.00	-16.09	3	Horizontal	231	1.79	-
Mode 1	Pass	PK	4.874G	53.94	74.00	-20.06	3	Horizontal	357	1.69	-
Mode 1	Pass	PK	4.96084G	48.84	74.00	-25.16	3	Horizontal	40	2.33	-
Mode 1	Pass	PK	7.3125G	56.22	74.00	-17.78	3	Horizontal	28	2.49	-
Mode 1	Pass	PK	7.43894G	48.90	74.00	-25.10	3	Horizontal	231	1.79	-
Mode 2	Pass	AV	4.95902G	39.34	54.00	-14.66	3	Vertical	103	1.03	-
Mode 2	Pass	AV	7.44101G	38.00	54.00	-16.00	3	Vertical	14	1.47	-
Mode 2	Pass	AV	15.7212G	48.86	54.00	-5.14	3	Vertical	353	1.93	-
Mode 2	Pass	PK	4.95893G	49.36	74.00	-24.64	3	Vertical	103	1.03	-
Mode 2	Pass	PK	7.44076G	48.60	74.00	-25.40	3	Vertical	14	1.47	-
Mode 2	Pass	PK	10.47778G	55.85	68.20	-12.35	3	Vertical	328	1.00	-
Mode 2	Pass	PK	15.72294G	61.36	74.00	-12.64	3	Vertical	353	1.93	-
Mode 2	Pass	AV	4.95908G	39.42	54.00	-14.58	3	Horizontal	104	1.05	-
Mode 2	Pass	AV	7.43944G	38.06	54.00	-15.94	3	Horizontal	280	1.53	-
Mode 2	Pass	AV	15.71766G	50.84	54.00	-3.16	3	Horizontal	300	1.02	-
Mode 2	Pass	PK	4.95917G	49.21	74.00	-24.79	3	Horizontal	104	1.05	-
Mode 2	Pass	PK	7.43873G	49.01	74.00	-24.99	3	Horizontal	280	1.53	-
Mode 2	Pass	PK	10.47688G	57.35	68.20	-10.85	3	Horizontal	51	2.81	-
Mode 2	Pass	PK	15.71742G	63.52	74.00	-10.48	3	Horizontal	300	1.02	-
Mode 3	Pass	AV	4.92401G	45.38	54.00	-8.62	3	Vertical	36	1.26	-
Mode 3	Pass	AV	4.929G	32.27	54.00	-21.73	3	Vertical	65	2.26	-
Mode 3	Pass	AV	7.272G	36.79	54.00	-17.21	3	Vertical	342	2.20	-
Mode 3	Pass	AV	7.386G	42.43	54.00	-11.57	3	Vertical	223	1.33	-
Mode 3	Pass	PK	4.9239G	49.92	74.00	-24.08	3	Vertical	36	1.26	-
Mode 3	Pass	PK	4.929G	44.71	74.00	-29.29	3	Vertical	65	2.26	-
Mode 3	Pass	PK	7.272G	49.58	74.00	-24.42	3	Vertical	342	2.20	-
Mode 3	Pass	PK	7.386G	53.67	74.00	-20.33	3	Vertical	223	1.33	-
Mode 3	Pass	AV	4.848G	43.40	54.00	-10.60	3	Horizontal	342	2.65	-
Mode 3	Pass	AV	4.924G	49.63	54.00	-4.37	3	Horizontal	353	1.50	-
Mode 3	Pass	AV	7.272G	36.51	54.00	-17.49	3	Horizontal	360	2.41	-
Mode 3	Pass	AV	7.38524G	50.87	54.00	-3.13	3	Horizontal	23	2.17	-
Mode 3	Pass	PK	4.848G	50.52	74.00	-23.48	3	Horizontal	342	2.65	-
Mode 3	Pass	PK	4.924G	52.61	74.00	-21.39	3	Horizontal	353	1.50	-
Mode 3	Pass	PK	7.272G	48.96	74.00	-25.04	3	Horizontal	360	2.41	-
Mode 3	Pass	PK	7.38671G	57.11	74.00	-16.89	3	Horizontal	23	2.17	-
Mode 4	Pass	AV	4.80795G	42.15	54.00	-11.85	3	Vertical	64	1.04	-
Mode 4	Pass	AV	4.89398G	47.41	54.00	-6.59	3	Vertical	47	1.47	-
Mode 4	Pass	AV	7.21261G	37.29	54.00	-16.71	3	Vertical	346	2.49	-

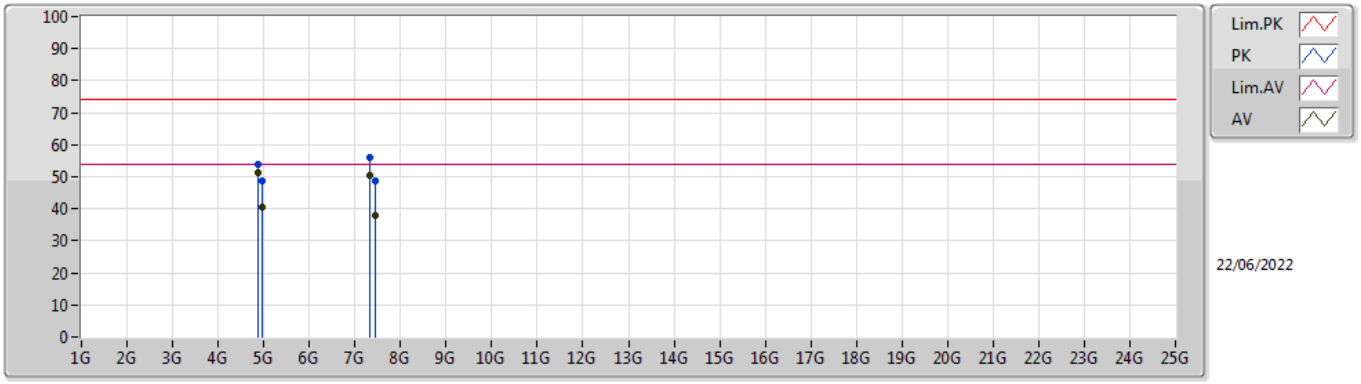
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 4	Pass	AV	7.34024G	46.01	54.00	-7.99	3	Vertical	312	1.70	-
Mode 4	Pass	PK	4.808G	50.71	74.00	-23.29	3	Vertical	64	1.04	-
Mode 4	Pass	PK	4.89394G	51.12	74.00	-22.88	3	Vertical	47	1.47	-
Mode 4	Pass	PK	7.2126G	49.56	74.00	-24.44	3	Vertical	346	2.49	-
Mode 4	Pass	PK	7.34176G	54.20	74.00	-19.80	3	Vertical	312	1.70	-
Mode 4	Pass	AV	4.80794G	41.85	54.00	-12.15	3	Horizontal	337	2.54	-
Mode 4	Pass	AV	4.89394G	44.99	54.00	-9.01	3	Horizontal	347	2.12	-
Mode 4	Pass	AV	7.21147G	36.56	54.00	-17.44	3	Horizontal	0	2.26	-
Mode 4	Pass	AV	7.34022G	50.51	54.00	-3.49	3	Horizontal	23	2.67	-
Mode 4	Pass	PK	4.80742G	50.17	74.00	-23.83	3	Horizontal	337	2.54	-
Mode 4	Pass	PK	4.89408G	49.39	74.00	-24.61	3	Horizontal	347	2.12	-
Mode 4	Pass	PK	7.21306G	49.60	74.00	-24.40	3	Horizontal	0	2.26	-
Mode 4	Pass	PK	7.34026G	56.41	74.00	-17.59	3	Horizontal	23	2.67	-

Radiated Emissions above 1GHz_Mode 1



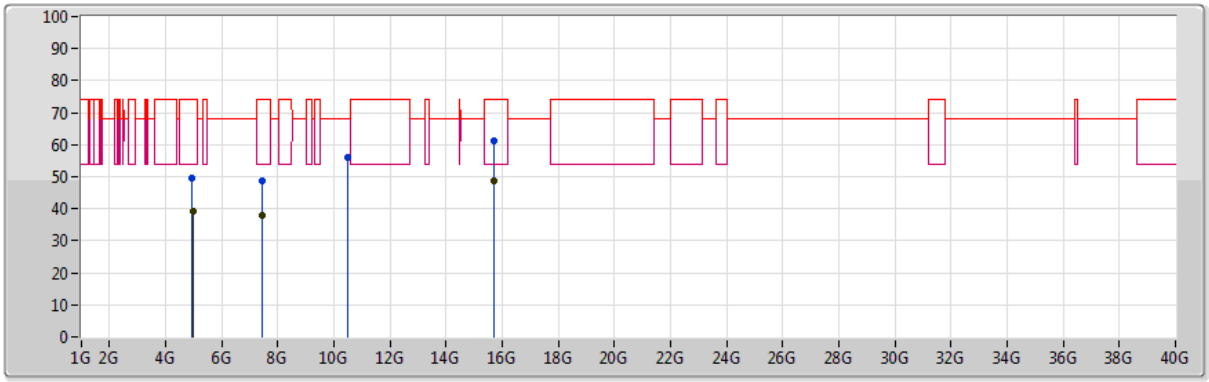
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.874G	50.62	54.00	-3.38	4.61	3	Vertical	64	2.33	-	46.01	32.75	6.30	34.44
AV	4.95903G	38.18	54.00	-15.82	5.07	3	Vertical	31	1.10	-	33.11	33.14	6.36	34.43
AV	7.31172G	47.45	54.00	-6.55	10.08	3	Vertical	219	1.55	-	37.37	36.75	8.14	34.81
AV	7.44079G	38.00	54.00	-16.00	9.92	3	Vertical	267	2.60	-	28.08	36.60	8.17	34.85
PK	4.87388G	53.14	74.00	-20.86	4.61	3	Vertical	64	2.33	-	48.53	32.75	6.30	34.44
PK	4.96083G	47.67	74.00	-26.33	5.07	3	Vertical	31	1.10	-	42.60	33.14	6.36	34.43
PK	7.30974G	54.84	74.00	-19.16	10.07	3	Vertical	219	1.55	-	44.77	36.74	8.14	34.81
PK	7.44085G	48.93	74.00	-25.07	9.92	3	Vertical	267	2.60	-	39.01	36.60	8.17	34.85

Radiated Emissions above 1GHz_Mode 1



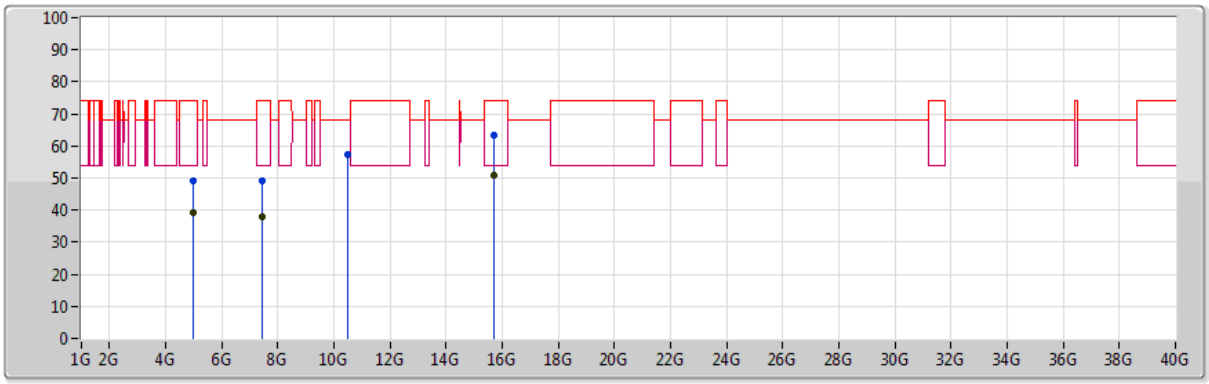
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.87394G	51.24	54.00	-2.76	4.61	3	Horizontal	357	1.69	-	46.63	32.75	6.30	34.44
AV	4.95911G	40.66	54.00	-13.34	5.07	3	Horizontal	40	2.33	-	35.59	33.14	6.36	34.43
AV	7.31178G	50.22	54.00	-3.78	10.08	3	Horizontal	28	2.49	-	40.14	36.75	8.14	34.81
AV	7.44049G	37.91	54.00	-16.09	9.92	3	Horizontal	231	1.79	-	27.99	36.60	8.17	34.85
PK	4.874G	53.94	74.00	-20.06	4.61	3	Horizontal	357	1.69	-	49.33	32.75	6.30	34.44
PK	4.96084G	48.84	74.00	-25.16	5.07	3	Horizontal	40	2.33	-	43.77	33.14	6.36	34.43
PK	7.3125G	56.22	74.00	-17.78	10.08	3	Horizontal	28	2.49	-	46.14	36.75	8.14	34.81
PK	7.43894G	48.90	74.00	-25.10	9.91	3	Horizontal	231	1.79	-	38.99	36.60	8.16	34.85

Radiated Emissions above 1GHz_Mode 2



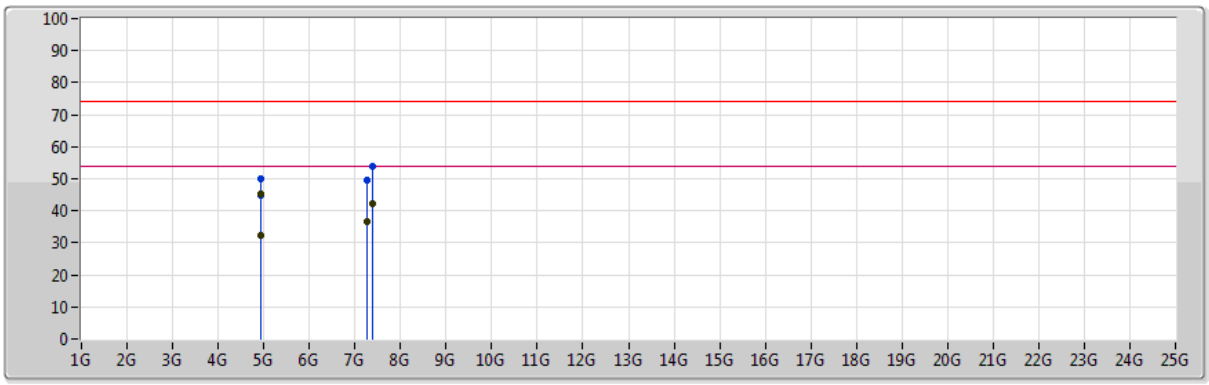
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.95902G	39.34	54.00	-14.66	5.07	3	Vertical	103	1.03	-	34.27	33.14	6.36	34.43
AV	7.44101G	38.00	54.00	-16.00	9.92	3	Vertical	14	1.47	-	28.08	36.60	8.17	34.85
AV	15.7212G	48.86	54.00	-5.14	15.54	3	Vertical	353	1.93	-	33.32	38.42	11.71	34.59
PK	4.95893G	49.36	74.00	-24.64	5.07	3	Vertical	103	1.03	-	44.29	33.14	6.36	34.43
PK	7.44076G	48.60	74.00	-25.40	9.92	3	Vertical	14	1.47	-	38.68	36.60	8.17	34.85
PK	10.47778G	55.85	68.20	-12.35	13.66	3	Vertical	328	1.00	-	42.19	38.62	9.55	34.51
PK	15.72294G	61.36	74.00	-12.64	15.54	3	Vertical	353	1.93	-	45.82	38.42	11.71	34.59

Radiated Emissions above 1GHz_Mode 2



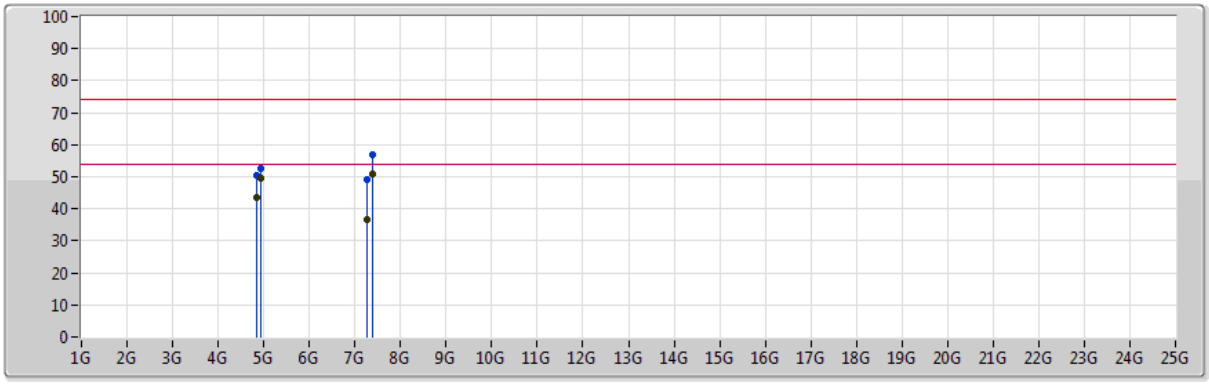
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.95908G	39.42	54.00	-14.58	5.07	3	Horizontal	104	1.05	-	34.35	33.14	6.36	34.43
AV	7.43944G	38.06	54.00	-15.94	9.92	3	Horizontal	280	1.53	-	28.14	36.60	8.17	34.85
AV	15.71766G	50.84	54.00	-3.16	15.54	3	Horizontal	300	1.02	-	35.30	38.42	11.71	34.59
PK	4.95917G	49.21	74.00	-24.79	5.07	3	Horizontal	104	1.05	-	44.14	33.14	6.36	34.43
PK	7.43873G	49.01	74.00	-24.99	9.91	3	Horizontal	280	1.53	-	39.10	36.60	8.16	34.85
PK	10.47688G	57.35	68.20	-10.85	13.65	3	Horizontal	51	2.81	-	43.70	38.62	9.55	34.52
PK	15.71742G	63.52	74.00	-10.48	15.54	3	Horizontal	300	1.02	-	47.98	38.42	11.71	34.59

Radiated Emissions above 1GHz_Mode 3



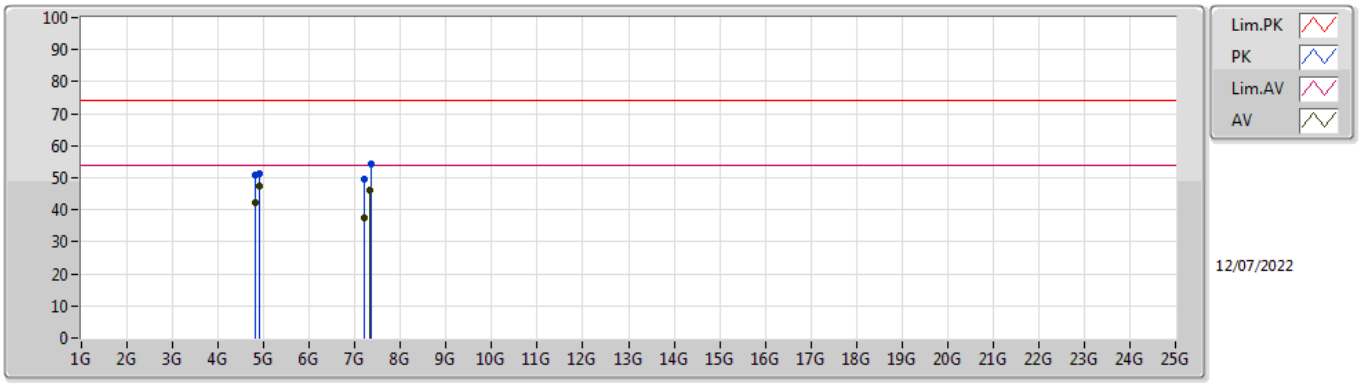
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.92401G	45.38	54.00	-8.62	4.83	3	Vertical	36	1.26	-	40.55	32.94	6.33	34.44
AV	4.929G	32.27	54.00	-21.73	4.87	3	Vertical	65	2.26	-	27.40	32.97	6.34	34.44
AV	7.272G	36.79	54.00	-17.21	10.16	3	Vertical	342	2.20	-	26.63	36.81	8.15	34.80
AV	7.386G	42.43	54.00	-11.57	9.96	3	Vertical	223	1.33	-	32.47	36.68	8.11	34.83
PK	4.9239G	49.92	74.00	-24.08	4.83	3	Vertical	36	1.26	-	45.09	32.94	6.33	34.44
PK	4.929G	44.71	74.00	-29.29	4.87	3	Vertical	65	2.26	-	39.84	32.97	6.34	34.44
PK	7.272G	49.58	74.00	-24.42	10.16	3	Vertical	342	2.20	-	39.42	36.81	8.15	34.80
PK	7.386G	53.67	74.00	-20.33	9.96	3	Vertical	223	1.33	-	43.71	36.68	8.11	34.83

Radiated Emissions above 1GHz_Mode 3



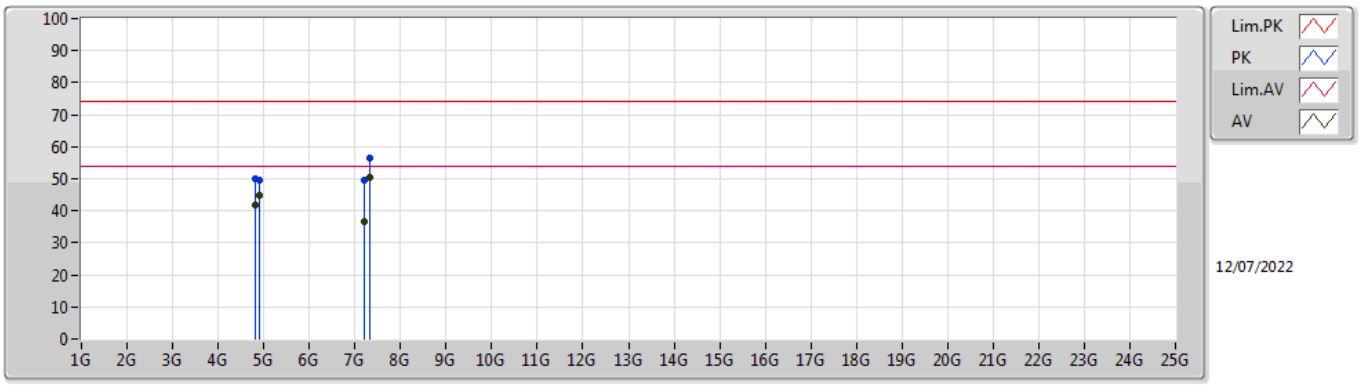
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
AV	4.848G	43.40	54.00	-10.60	4.53	3	Horizontal	342	2.65	-	38.87	32.69	6.29	34.45
AV	4.924G	49.63	54.00	-4.37	4.83	3	Horizontal	353	1.50	-	44.80	32.94	6.33	34.44
AV	7.272G	36.51	54.00	-17.49	10.16	3	Horizontal	360	2.41	-	26.35	36.81	8.15	34.80
AV	7.38524G	50.87	54.00	-3.13	9.98	3	Horizontal	23	2.17	-	40.89	36.69	8.12	34.83
PK	4.848G	50.52	74.00	-23.48	4.53	3	Horizontal	342	2.65	-	45.99	32.69	6.29	34.45
PK	4.924G	52.61	74.00	-21.39	4.83	3	Horizontal	353	1.50	-	47.78	32.94	6.33	34.44
PK	7.272G	48.96	74.00	-25.04	10.16	3	Horizontal	360	2.41	-	38.80	36.81	8.15	34.80
PK	7.38671G	57.11	74.00	-16.89	9.96	3	Horizontal	23	2.17	-	47.15	36.68	8.11	34.83

Radiated Emissions above 1GHz_Mode 4



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	4.80795G	42.15	54.00	-11.85	4.34	3	Vertical	64	1.04	-	37.81	32.53	6.26	34.45
AV	4.89398G	47.41	54.00	-6.59	4.67	3	Vertical	47	1.47	-	42.74	32.79	6.32	34.44
AV	7.21261G	37.29	54.00	-16.71	10.23	3	Vertical	346	2.49	-	27.06	36.83	8.18	34.78
AV	7.34024G	46.01	54.00	-7.99	10.17	3	Vertical	312	1.70	-	35.84	36.86	8.13	34.82
PK	4.808G	50.71	74.00	-23.29	4.34	3	Vertical	64	1.04	-	46.37	32.53	6.26	34.45
PK	4.89394G	51.12	74.00	-22.88	4.67	3	Vertical	47	1.47	-	46.45	32.79	6.32	34.44
PK	7.2126G	49.56	74.00	-24.44	10.23	3	Vertical	346	2.49	-	39.33	36.83	8.18	34.78
PK	7.34176G	54.20	74.00	-19.80	10.18	3	Vertical	312	1.70	-	44.02	36.87	8.13	34.82

Radiated Emissions above 1GHz_Mode 4



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	4.80794G	41.85	54.00	-12.15	4.34	3	Horizontal	337	2.54	-	37.51	32.53	6.26	34.45
AV	4.89394G	44.99	54.00	-9.01	4.67	3	Horizontal	347	2.12	-	40.32	32.79	6.32	34.44
AV	7.21147G	36.56	54.00	-17.44	10.22	3	Horizontal	0	2.26	-	26.34	36.82	8.18	34.78
AV	7.34022G	50.51	54.00	-3.49	10.17	3	Horizontal	23	2.67	-	40.34	36.86	8.13	34.82
PK	4.80742G	50.17	74.00	-23.83	4.34	3	Horizontal	337	2.54	-	45.83	32.53	6.26	34.45
PK	4.89408G	49.39	74.00	-24.61	4.67	3	Horizontal	347	2.12	-	44.72	32.79	6.32	34.44
PK	7.21306G	49.60	74.00	-24.40	10.23	3	Horizontal	0	2.26	-	39.37	36.83	8.18	34.78
PK	7.34026G	56.41	74.00	-17.59	10.17	3	Horizontal	23	2.67	-	46.24	36.86	8.13	34.82