Testing Laboratory 3785

FCC Radio Test Report

FCC ID	:	**RC6-API51X**
Equipment	:	**2x2 802.11ax Ruggedized AP**
Brand Name	:	**Amigo**
Model Name	:	**API51X**
Applicant	:	**Amigo Technology Inc. No.82, Gongye 2nd Road., Annan Dist., Tainan City 709, Taiwan**
Manufacturer	:	**Amigo Technology Inc. No.82, Gongye 2nd Road., Annan Dist., Tainan City 709, Taiwan**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Mar. 13, 2021, and testing was started from May 25, 2021 and completed on Jun. 12, 2021. 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: Allen Lin

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
FR0N1612-01AL	01	Initial issue of report	Dec. 03, 2021

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: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-LE(1Mbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(125kbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(500kbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(2Mbps)	1.0	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	MasterWave	98615MNXX003	Omni	N-type
2	MasterWave	98615MNXX003	Omni	N-type
3	MasterWave	98615UNXX005	Omni	N-type
4	MasterWave	98615UNXX005	Omni	N-type
5	LYNwave	ALA150-05102C-00	PCB	I-Pex

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	5.0	-	-
2	2	5.0	-	-
3	1	-	7.0	-
4	2	-	7.0	-
5	1	-	-	6.0

Note 1: The EUT has five antennas.

For 2.4GHz function:

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

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

For BT function:

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

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

For 5GHz function:

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

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

1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle

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

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

1.2 Testing Applied Standards

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

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

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

- KDB 558074 D01 v05r02
- KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua **(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	Edward Wang	23.1~23.6°C / 56~60%	25/May/2021
RF Conducted	TH06-HY	Johnny Yu	20.1~26.9°C / 50~60%	11/Jun/2021~12/Jun/2021
Radiated	03CH02-HY	Lego Lin	21.7~25.6°C / 56~60%	26/May/2021~31/May/2021
☐ Wen 33rd.St. **(TAF:** 3785**)**	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		**FAX:** 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	**Uncertainty**	**Remark**
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	Smartrftm_studio-2.19.0

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	-15
2440MHz	-12
2480MHz	-9
BT-LE(2Mbps)	-
2402MHz	-12
2440MHz	-9
2480MHz	-6
BT-LE(125kbps)	-
2402MHz	-15
2440MHz	-12
2480MHz	-3
BT-LE(500kbps)	-
2402MHz	-15
2440MHz	-12
2480MHz	-9

2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	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	PoE mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	**Y Plane**
	

2.3 Support Equipment

Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	PoE	Powertron Electronics Corp	POE1024-480T3A050	-	Note 1
2	AC Power Cable	-	-	-	Note 1
3	RJ-45 Cable	Power sync	CAT-6E-10	-	-
4	Ground cable	-	-	-	-

Note 1: Provided by Customer.

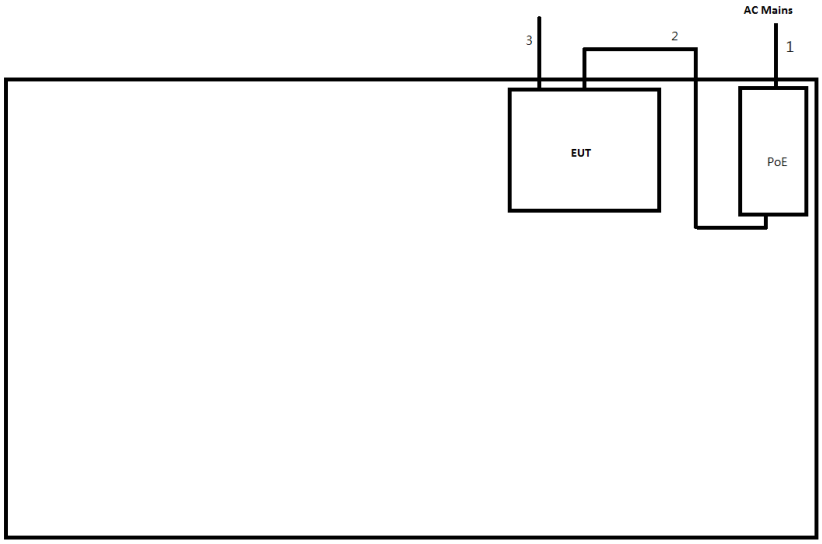
Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

Support Equipment –Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	PoE	Powertron Electronics Corp	POE1024-480T3A050	-	Note 1
2	AC Power Cable	-	-	-	Note 1
3	RJ-45 Cable	Power sync	CAT-6E-10	-	-
4	Ground cable	-	-	-	-

Note 1: Provided by Customer.

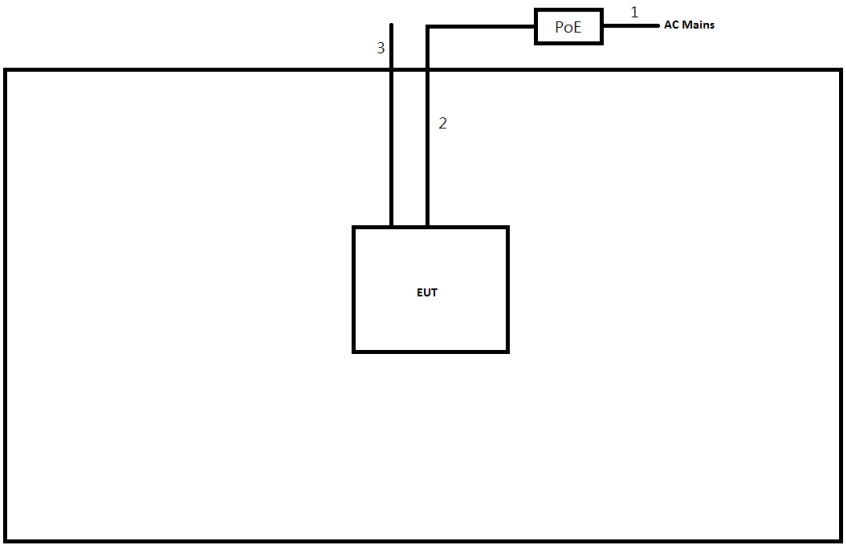
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	RJ45 cable	No	10.0	-
3	Ground cable	No	5	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	RJ45 cable	No	10.0	-
3	Ground cable	No	5	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

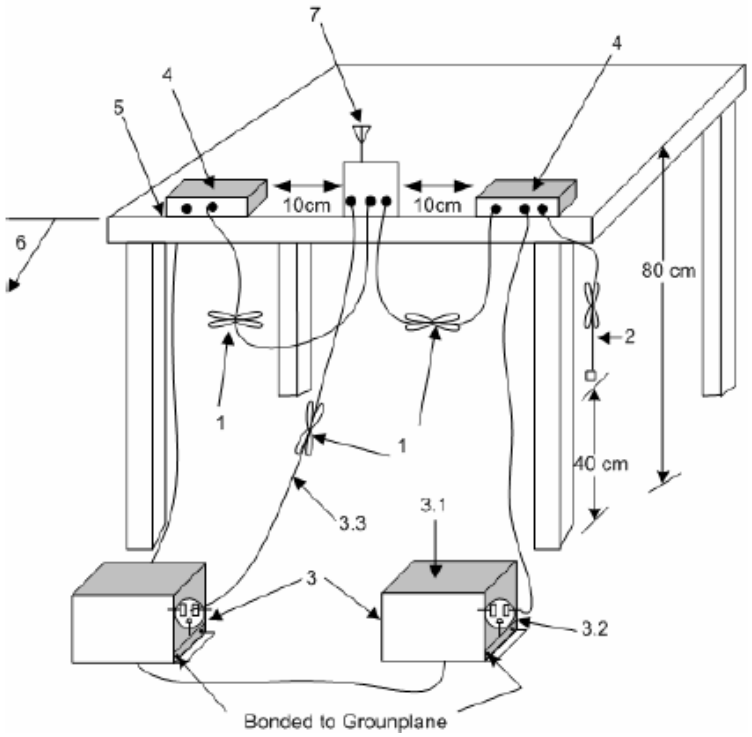
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) +LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup

AC Power-line Conducted Emissions



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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

3.2.2 Measuring Instruments

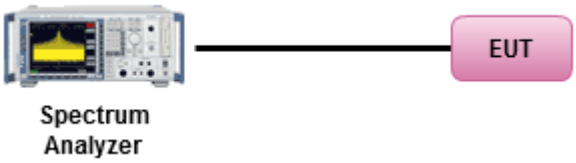
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as KDB 558074, clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
	☐ Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
	☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪ If G_{TX} ≤ 6 dBi, then P_{Out} ≤ 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 + 8dB dBm
e.i.r.p. Power Limit:		
▪ 2400-2483.5 MHz Band		
	▪ Point-to-multipoint systems (P2M): P_{eirp} ≤ 36 dBm (4 W)	
	▪ Point-to-point systems (P2P): P_{eirp} ≤ MAX(36, [P_{Out} + G_{TX}]) dBm	
	▪ Smart antenna system (SAS)	
		- Single beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm
		- Overlap beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm
		- Aggregate power on all beams: P_{eirp} ≤ MAX(36, [P_{Out} + G_{TX} + 8]) dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.		

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
	☐ Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
	☐ Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
▪ Maximum Average Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
	☒ Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

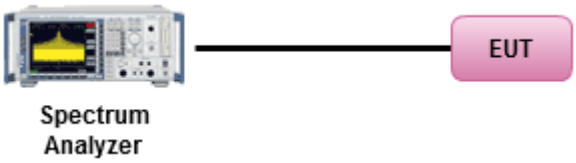
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).		
	☒ Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.	
▪ For conducted measurement.		
	▪ If The EUT supports multiple transmit chains using options given below:	
		▪ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (dB)**
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.	

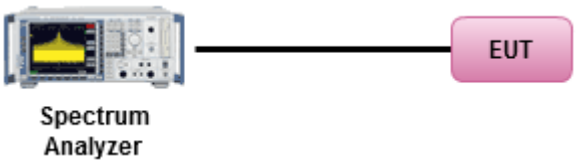
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method	
▪	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
▪	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted emissions shall be measured using following options below:
	▪ Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
▪	For the transmitter band-edge emissions shall be measured using following options below:
	▪ Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	▪ Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
▪	Use the following spectrum analyzer settings:
	▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.
▪	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
	▪ Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

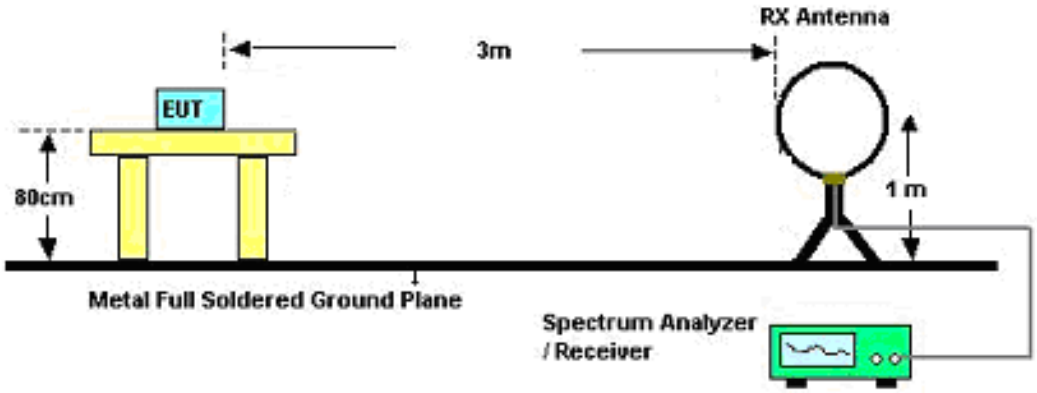
3.6.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

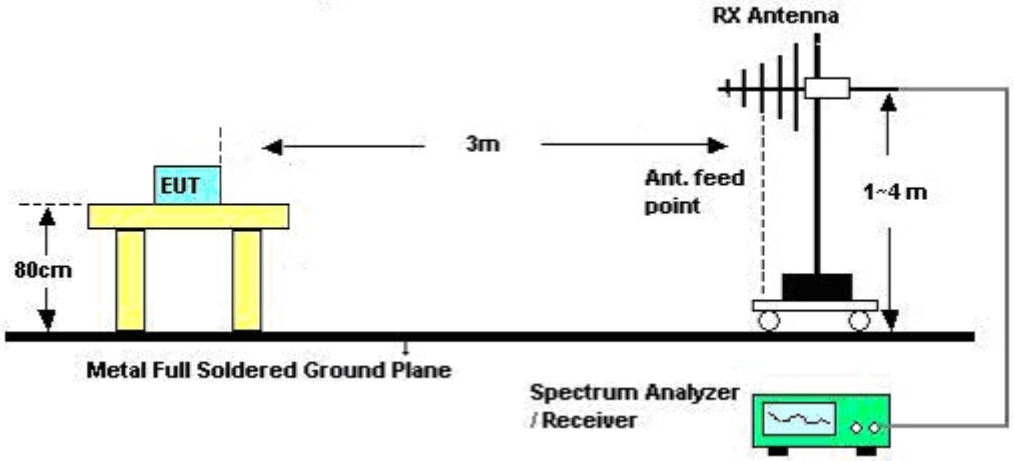
3.6.5 Test Setup

Emissions in Restricted Frequency Bands

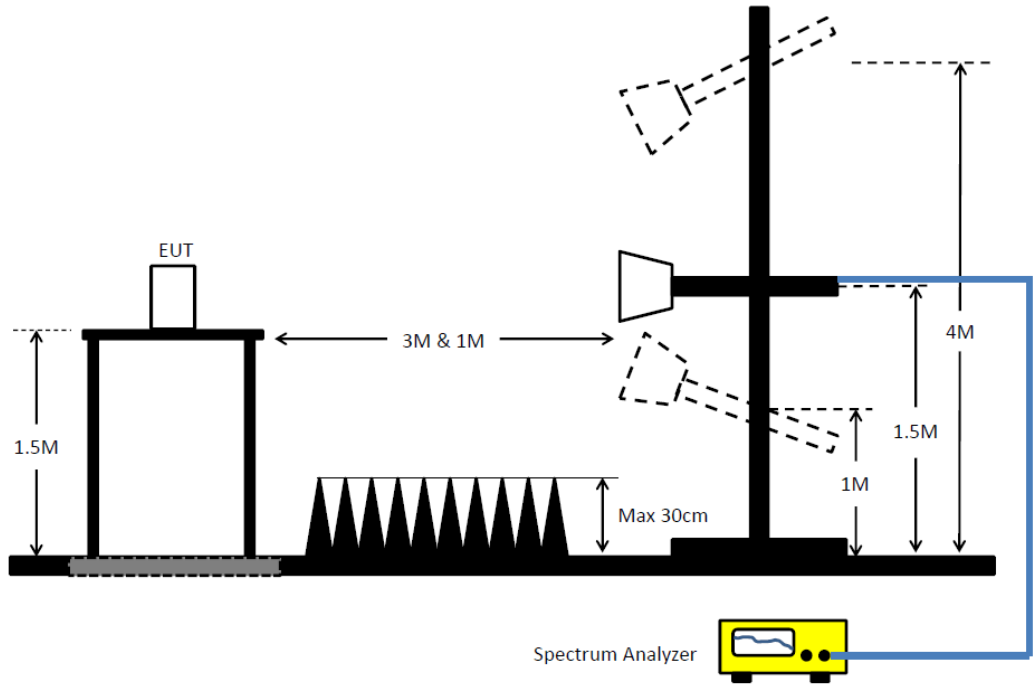
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable 5m	TITAN	TITAN	CO04-cable-01	0.1MHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	19/Oct/2020	18/Oct/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	25/Mar/2021	24/Mar/2022
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	25/Mar/2021	24/Mar/2022

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	04/Aug/2020	03/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	12/Mar/2021	11/Mar/2022
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	23/Oct/2020	22/Oct/2021
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	05/May/2021	04/May/2022
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	05/May/2021	04/May/2022
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	06/Apr/2021	05/Apr/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	21/May/2021	20/May/2022

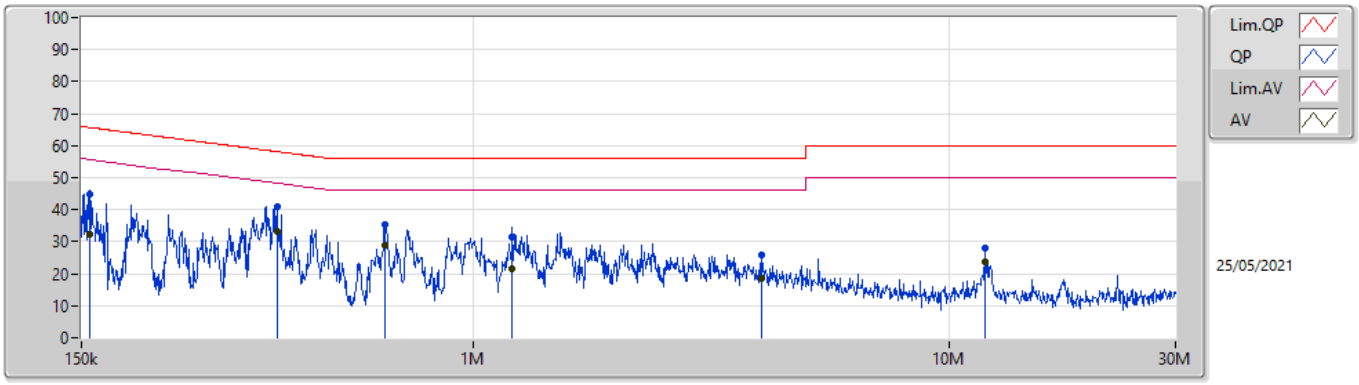
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	386.35k	33.25	48.14	-14.89	Line

Result

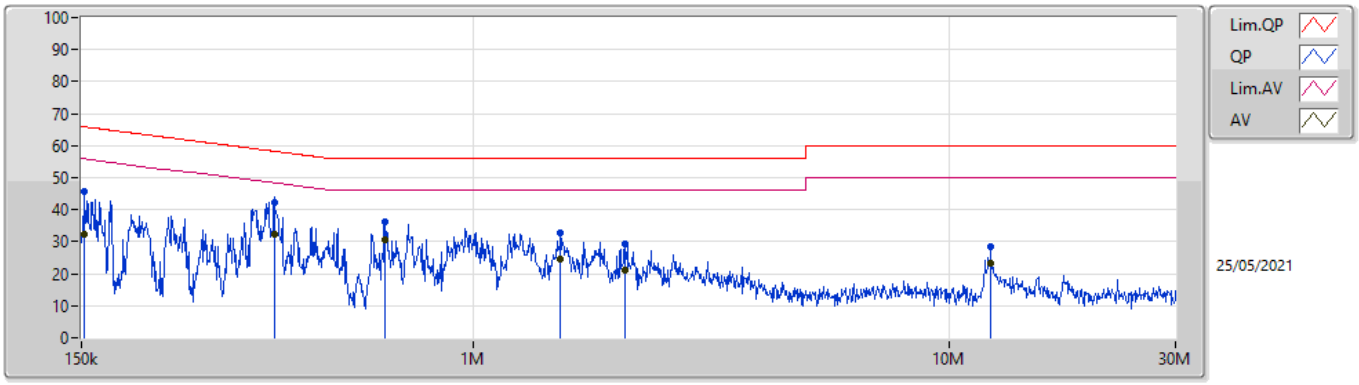
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	156.109k	44.82	65.67	-20.85	Line	-
Mode 1	Pass	AV	156.109k	32.25	55.67	-23.42	Line	-
Mode 1	Pass	QP	386.35k	41.08	58.14	-17.06	Line	-
Mode 1	Pass	AV	386.35k	33.25	48.14	-14.89	Line	-
Mode 1	Pass	QP	651.775k	35.13	56.00	-20.87	Line	-
Mode 1	Pass	AV	651.775k	29.00	46.00	-17.00	Line	-
Mode 1	Pass	QP	1.21M	31.50	56.00	-24.50	Line	-
Mode 1	Pass	AV	1.21M	21.68	46.00	-24.32	Line	-
Mode 1	Pass	QP	4.04M	25.78	56.00	-30.22	Line	-
Mode 1	Pass	AV	4.04M	18.37	46.00	-27.63	Line	-
Mode 1	Pass	QP	11.919M	27.98	60.00	-32.02	Line	-
Mode 1	Pass	AV	11.919M	23.54	50.00	-26.46	Line	-
Mode 1	Pass	QP	152.414k	45.48	65.87	-20.39	Neutral	-
Mode 1	Pass	AV	152.414k	32.16	55.87	-23.71	Neutral	-
Mode 1	Pass	QP	381.751k	42.30	58.24	-15.94	Neutral	-
Mode 1	Pass	AV	381.751k	32.49	48.24	-15.75	Neutral	-
Mode 1	Pass	QP	651.775k	36.27	56.00	-19.73	Neutral	-
Mode 1	Pass	AV	651.775k	30.55	46.00	-15.45	Neutral	-
Mode 1	Pass	QP	1.525M	32.93	56.00	-23.07	Neutral	-
Mode 1	Pass	AV	1.525M	24.39	46.00	-21.61	Neutral	-
Mode 1	Pass	QP	2.083M	29.14	56.00	-26.86	Neutral	-
Mode 1	Pass	AV	2.083M	21.29	46.00	-24.71	Neutral	-
Mode 1	Pass	QP	12.257M	28.27	60.00	-31.73	Neutral	-
Mode 1	Pass	AV	12.257M	23.11	50.00	-26.89	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	156.109k	44.82	65.67	-20.85	19.63	Line	-	25.19	9.69	0.04	9.90
AV	156.109k	32.25	55.67	-23.42	19.63	Line	-	12.62	9.69	0.04	9.90
QP	386.35k	41.08	58.14	-17.06	19.63	Line	-	21.45	9.67	0.06	9.90
AV	386.35k	33.25	48.14	-14.89	19.63	Line	-	13.62	9.67	0.06	9.90
QP	651.775k	35.13	56.00	-20.87	19.59	Line	-	15.54	9.67	0.07	9.85
AV	651.775k	29.00	46.00	-17.00	19.59	Line	-	9.41	9.67	0.07	9.85
QP	1.21M	31.50	56.00	-24.50	19.56	Line	-	11.94	9.67	0.09	9.80
AV	1.21M	21.68	46.00	-24.32	19.56	Line	-	2.12	9.67	0.09	9.80
QP	4.04M	25.78	56.00	-30.22	19.73	Line	-	6.05	9.69	0.14	9.90
AV	4.04M	18.37	46.00	-27.63	19.73	Line	-	-1.36	9.69	0.14	9.90
QP	11.919M	27.98	60.00	-32.02	19.83	Line	-	8.15	9.71	0.22	9.90
AV	11.919M	23.54	50.00	-26.46	19.83	Line	-	3.71	9.71	0.22	9.90

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	152.414k	45.48	65.87	-20.39	19.63	Neutral	-	25.85	9.69	0.04	9.90
AV	152.414k	32.16	55.87	-23.71	19.63	Neutral	-	12.53	9.69	0.04	9.90
QP	381.751k	42.30	58.24	-15.94	19.63	Neutral	-	22.67	9.67	0.06	9.90
AV	381.751k	32.49	48.24	-15.75	19.63	Neutral	-	12.86	9.67	0.06	9.90
QP	651.775k	36.27	56.00	-19.73	19.59	Neutral	-	16.68	9.67	0.07	9.85
AV	651.775k	30.55	46.00	-15.45	19.59	Neutral	-	10.96	9.67	0.07	9.85
QP	1.525M	32.93	56.00	-23.07	19.57	Neutral	-	13.36	9.68	0.09	9.80
AV	1.525M	24.39	46.00	-21.61	19.57	Neutral	-	4.82	9.68	0.09	9.80
QP	2.083M	29.14	56.00	-26.86	19.59	Neutral	-	9.55	9.68	0.10	9.81
AV	2.083M	21.29	46.00	-24.71	19.59	Neutral	-	1.70	9.68	0.10	9.81
QP	12.257M	28.27	60.00	-31.73	19.86	Neutral	-	8.41	9.74	0.22	9.90
AV	12.257M	23.11	50.00	-26.89	19.86	Neutral	-	3.25	9.74	0.22	9.90

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)	715k	1.107M	1M11F1D	693.75k	1.074M
BT-LE(2Mbps)	1.46M	2.244M	2M24F1D	1.335M	2.131M
BT-LE(125kbps)	778.75k	1.156M	1M16F1D	727.5k	1.096M
BT-LE(500kbps)	712.5k	1.106M	1M11F1D	681.25k	1.082M

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

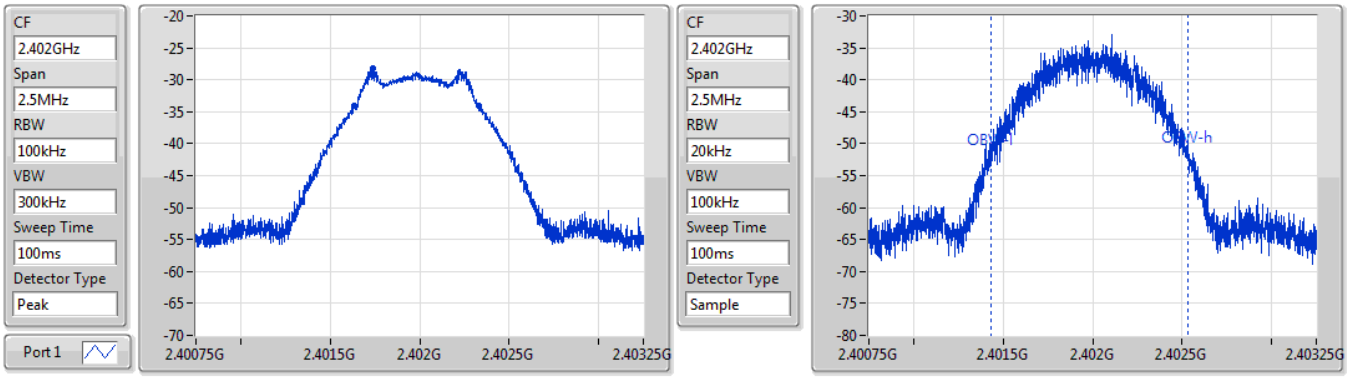
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	696.25k	1.107M
2440MHz	Pass	500k	693.75k	1.091M
2480MHz	Pass	500k	715k	1.074M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.335M	2.244M
2440MHz	Pass	500k	1.46M	2.184M
2480MHz	Pass	500k	1.413M	2.131M
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	500k	727.5k	1.156M
2440MHz	Pass	500k	735k	1.124M
2480MHz	Pass	500k	778.75k	1.096M
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	500k	681.25k	1.106M
2440MHz	Pass	500k	698.75k	1.082M
2480MHz	Pass	500k	712.5k	1.087M

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

BT-LE(1Mbps) EBW-DTS

2402MHz

11/06/2021

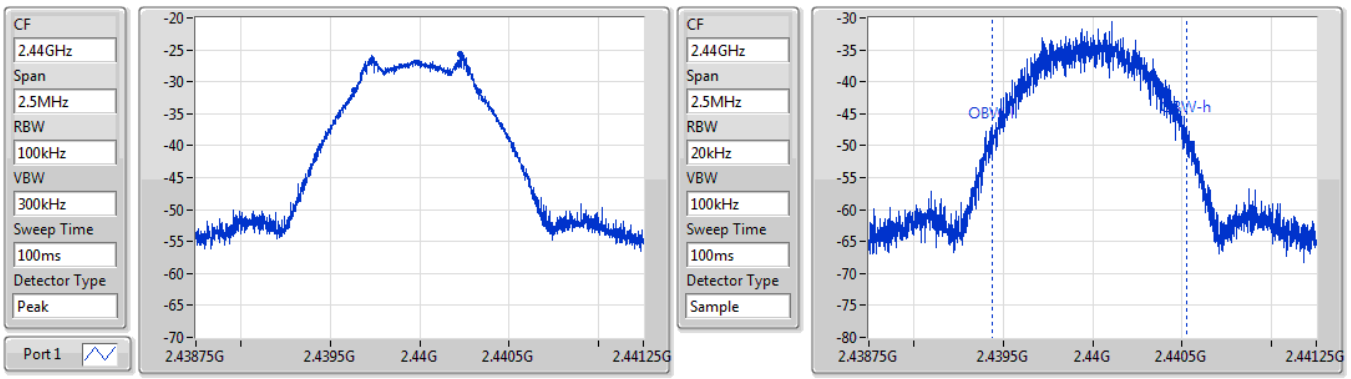


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
696.25k	2.401633G	2.402329G	1.107M	2.401429G	2.402536G	500k	1

BT-LE(1Mbps) EBW-DTS

2440MHz

11/06/2021

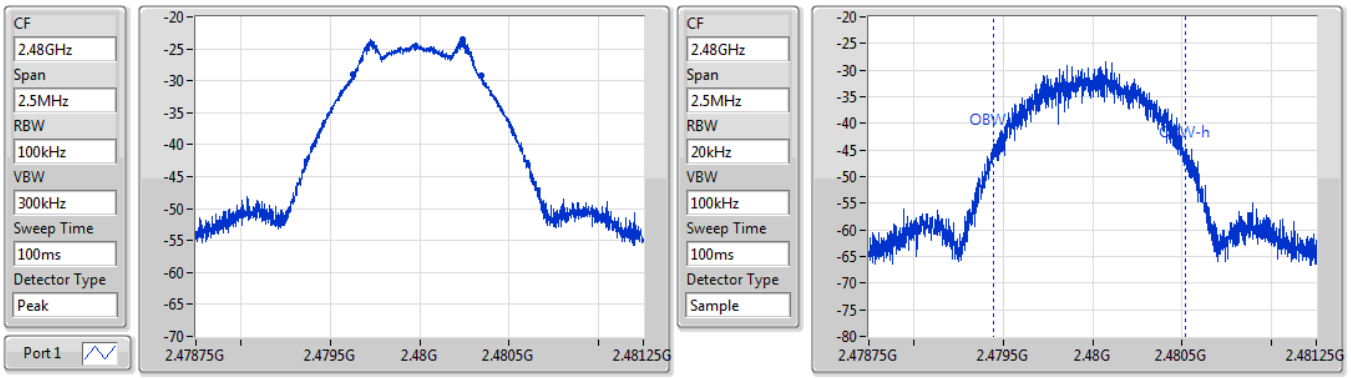


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
693.75k	2.439638G	2.440331G	1.091M	2.439437G	2.440527G	500k	1

BT-LE(1Mbps) EBW-DTS

2480MHz

11/06/2021

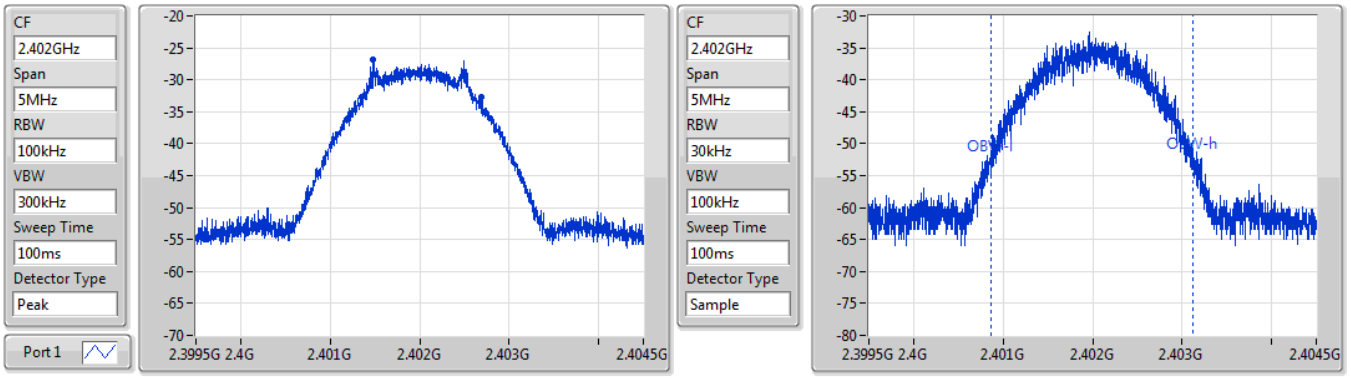


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
715k	2.479628G	2.480343G	1.074M	2.479447G	2.480521G	500k	1

BT-LE(2Mbps) EBW-DTS

2402MHz

11/06/2021

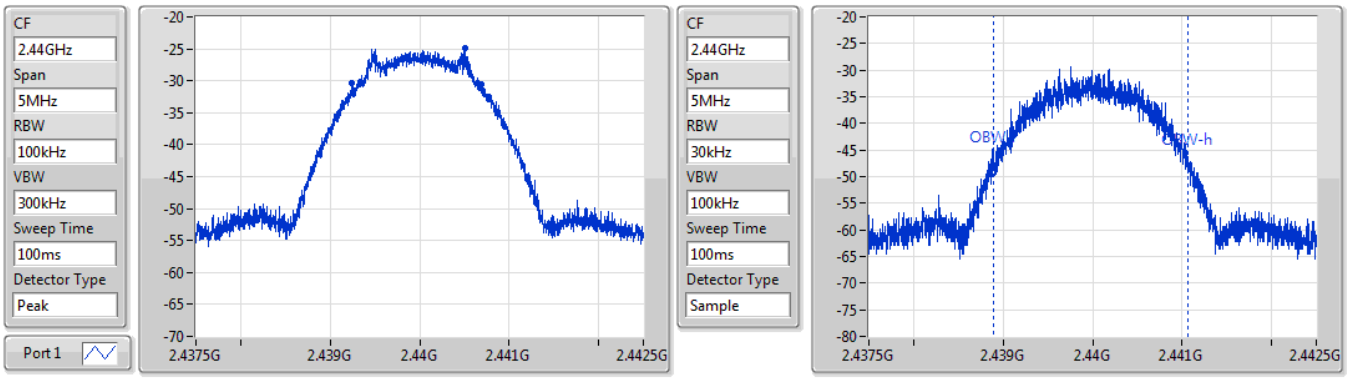


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.335M	2.40135G	2.402685G	2.244M	2.400871G	2.403114G	500k	1

BT-LE(2Mbps) EBW-DTS

2440MHz

11/06/2021

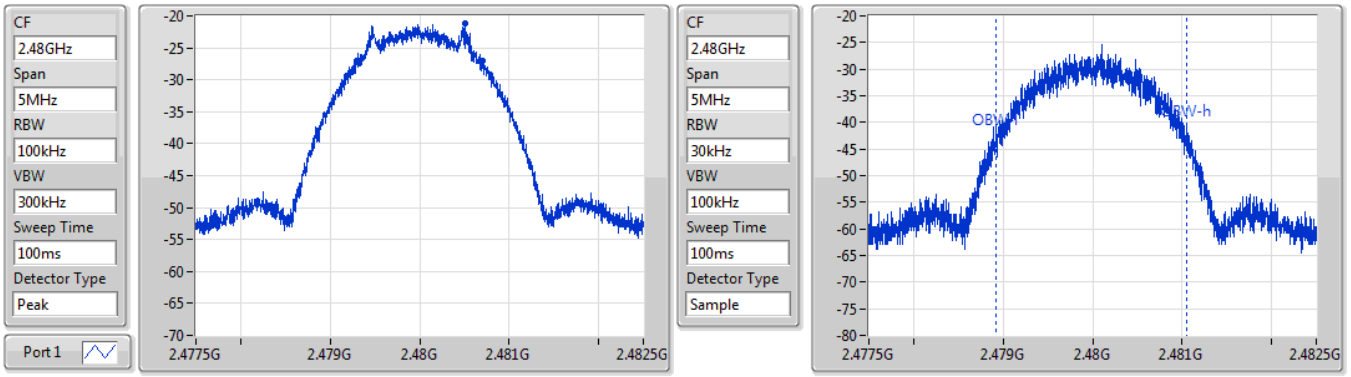


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.46M	2.439235G	2.440695G	2.184M	2.438888G	2.441072G	500k	1

BT-LE(2Mbps) EBW-DTS

2480MHz

11/06/2021

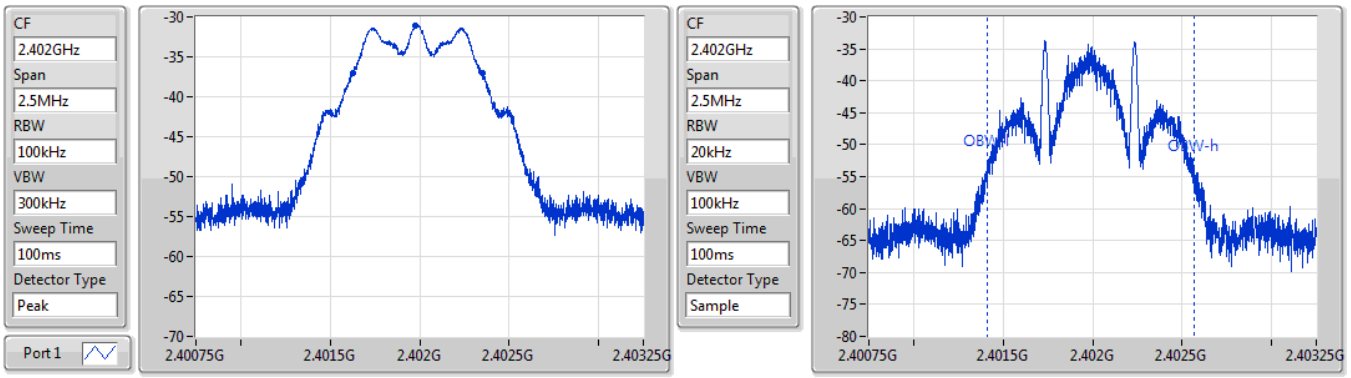


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.413M	2.47929G	2.480703G	2.131M	2.478918G	2.481049G	500k	1

BT-LE(125kbps) EBW-DTS

2402MHz

11/06/2021

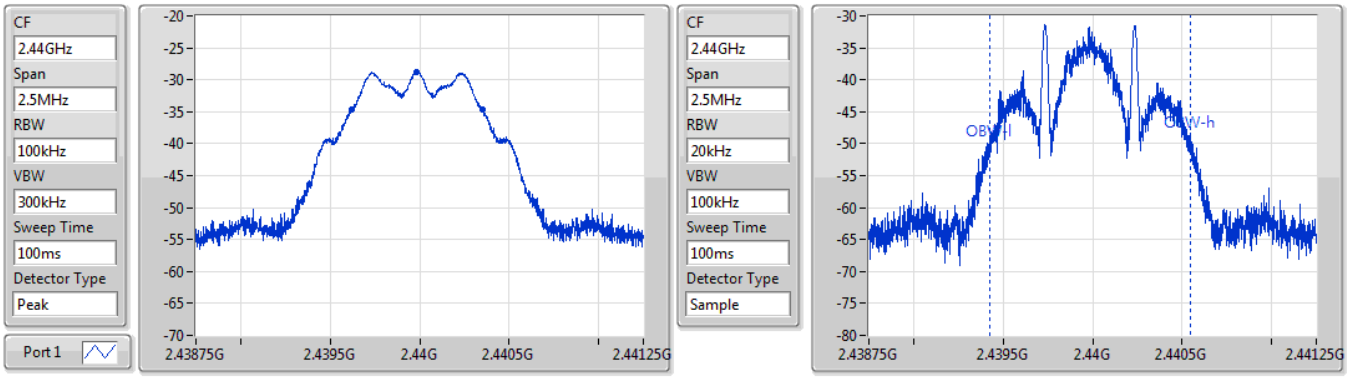


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
727.5k	2.401626G	2.402354G	1.156M	2.40141G	2.402566G	500k	1

BT-LE(125kbps) EBW-DTS

2440MHz

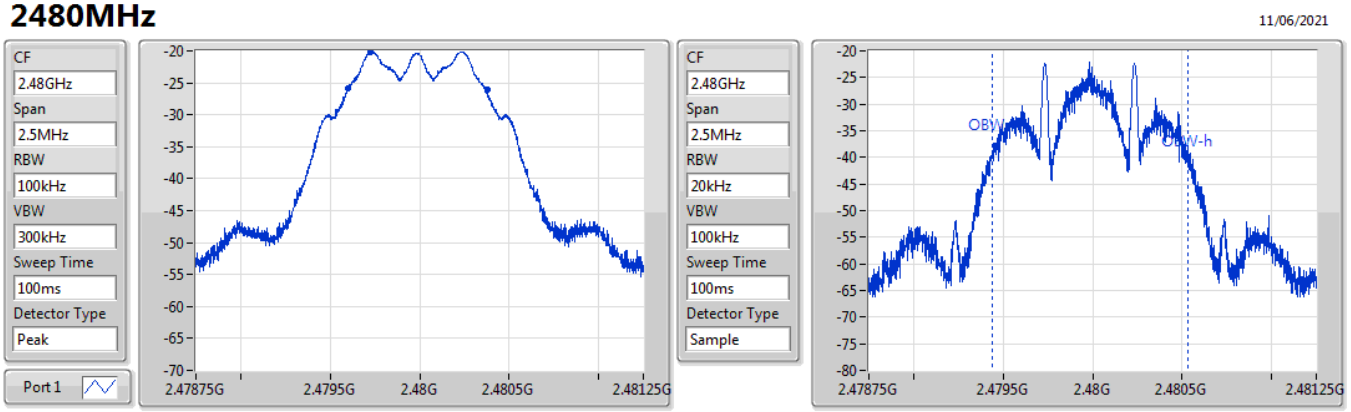
11/06/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
735k	2.43962G	2.440355G	1.124M	2.439423G	2.440547G	500k	1

BT-LE(125kbps) EBW-DTS

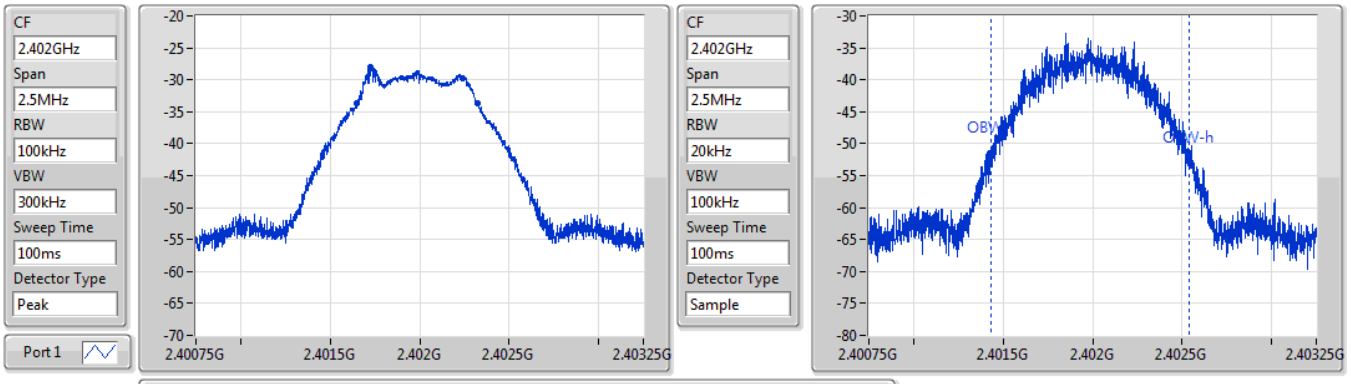
2480MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
778.75k	2.479598G	2.480376G	1.096M	2.479437G	2.480532G	500k	1

BT-LE(500kbps) EBW-DTS

2402MHz

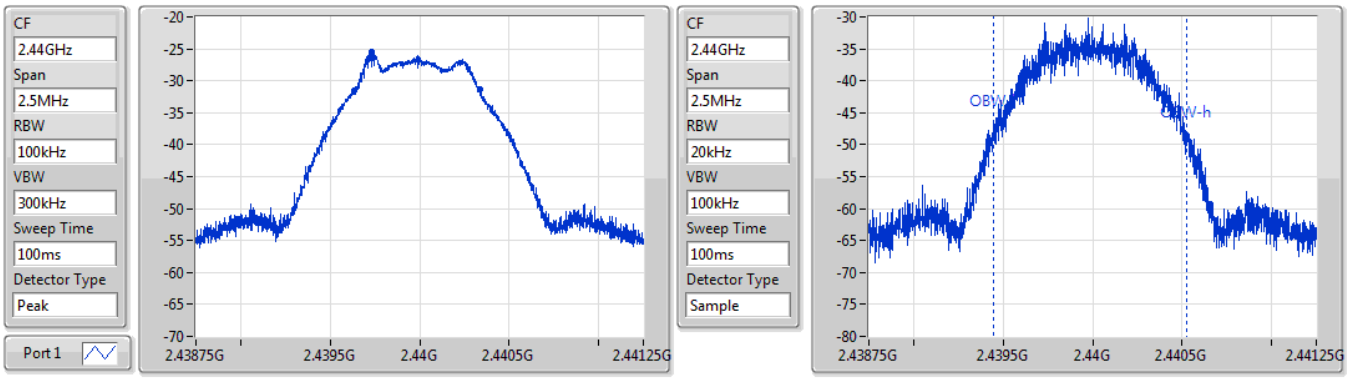


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
681.25k	2.401645G	2.402326G	1.106M	2.401433G	2.402538G	500k	1

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

2440MHz

11/06/2021

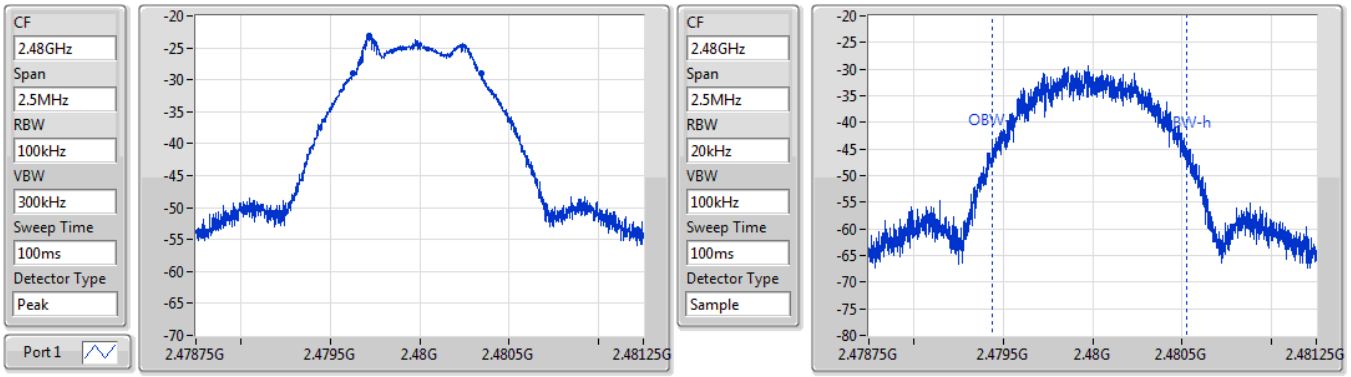


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
698.75k	2.439638G	2.440336G	1.082M	2.439444G	2.440526G	500k	1

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

2480MHz

11/06/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
712.5k	2.47963G	2.480343G	1.087M	2.479442G	2.480528G	500k	1

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	-16.40	0.00002
BT-LE(2Mbps)	-16.09	0.00002
BT-LE(125kbps)	-15.47	0.00003
BT-LE(500kbps)	-16.73	0.00002

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	6.00	-16.58	30.00
2440MHz	Pass	6.00	-16.47	30.00
2480MHz	Pass	6.00	-16.40	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	6.00	-16.54	30.00
2440MHz	Pass	6.00	-16.43	30.00
2480MHz	Pass	6.00	-16.09	30.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	6.00	-16.76	30.00
2440MHz	Pass	6.00	-16.68	30.00
2480MHz	Pass	6.00	-15.47	30.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	6.00	-16.93	30.00
2440MHz	Pass	6.00	-16.82	30.00
2480MHz	Pass	6.00	-16.73	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-38.23
BT-LE(2Mbps)	-35.69
BT-LE(125kbps)	-22.6
BT-LE(500kbps)	-37.26

RBW = 3kHz;

Result

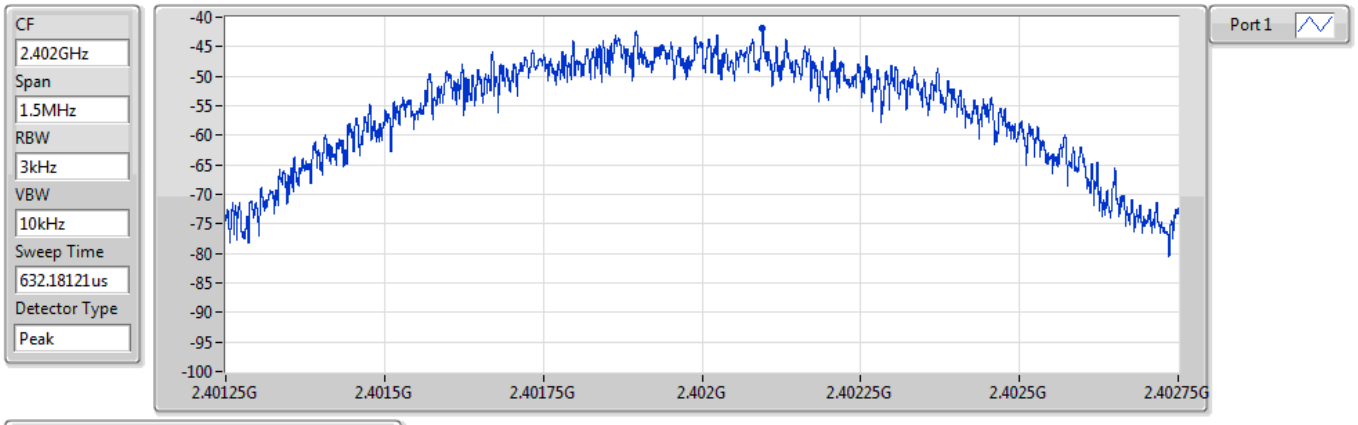
Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	6.00	-41.87	8.00
2440MHz	Pass	6.00	-40.25	8.00
2480MHz	Pass	6.00	-38.23	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	6.00	-41.93	8.00
2440MHz	Pass	6.00	-39.94	8.00
2480MHz	Pass	6.00	-35.69	8.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	6.00	-34.20	8.00
2440MHz	Pass	6.00	-31.65	8.00
2480MHz	Pass	6.00	-22.60	8.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	6.00	-42.36	8.00
2440MHz	Pass	6.00	-39.61	8.00
2480MHz	Pass	6.00	-37.26	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

11/06/2021

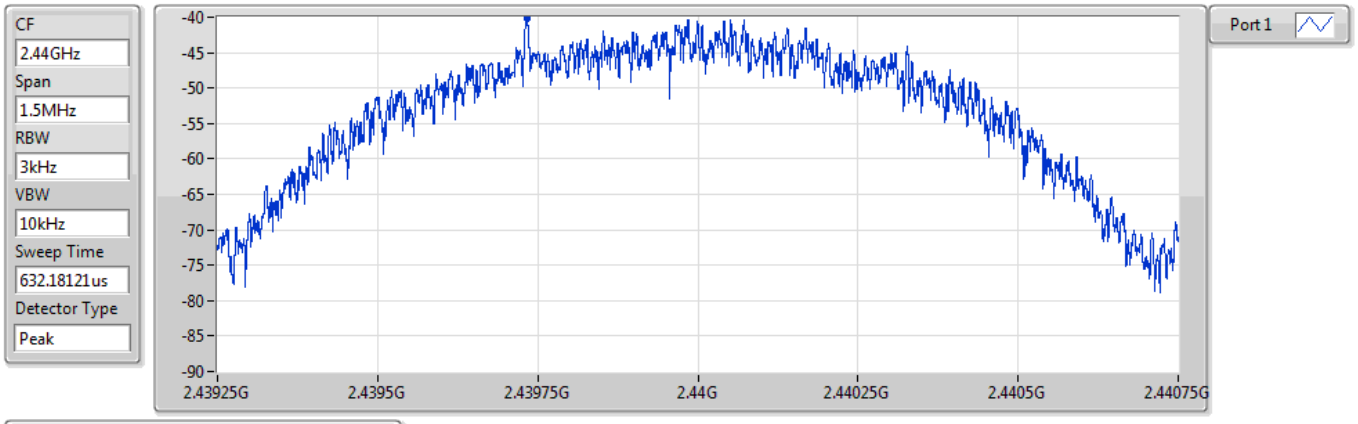


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-41.87	-41.87	-41.87

BT-LE(1Mbps) **PSD**

2440MHz

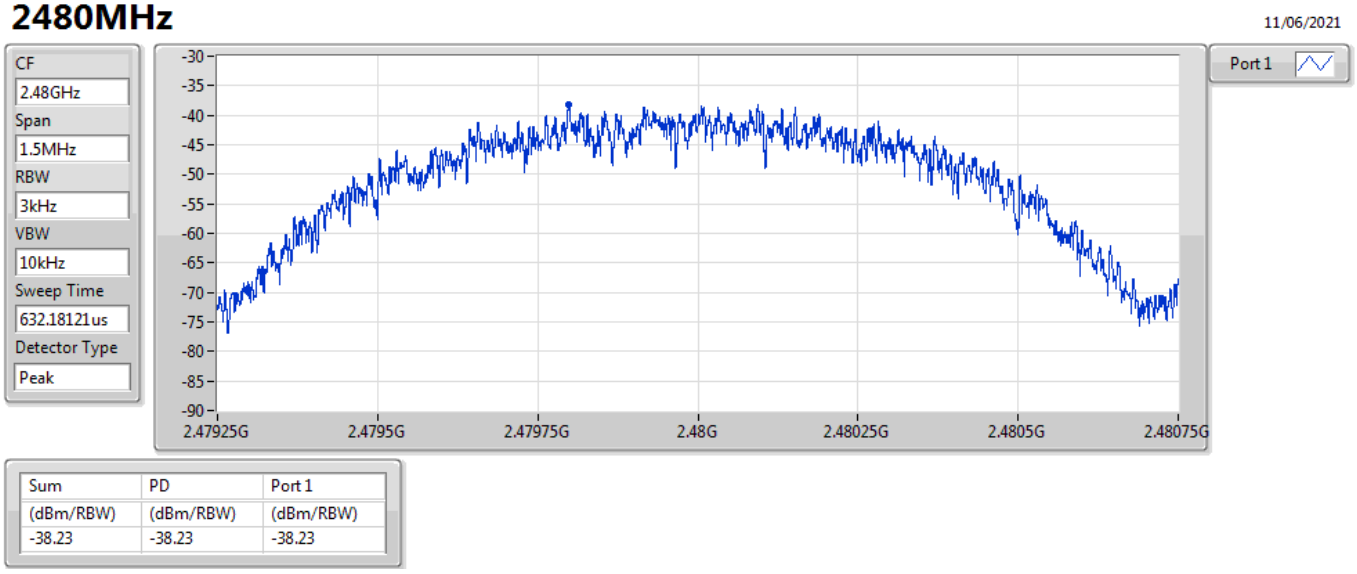
11/06/2021



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-40.25	-40.25	-40.25

BT-LE(1Mbps) **PSD**

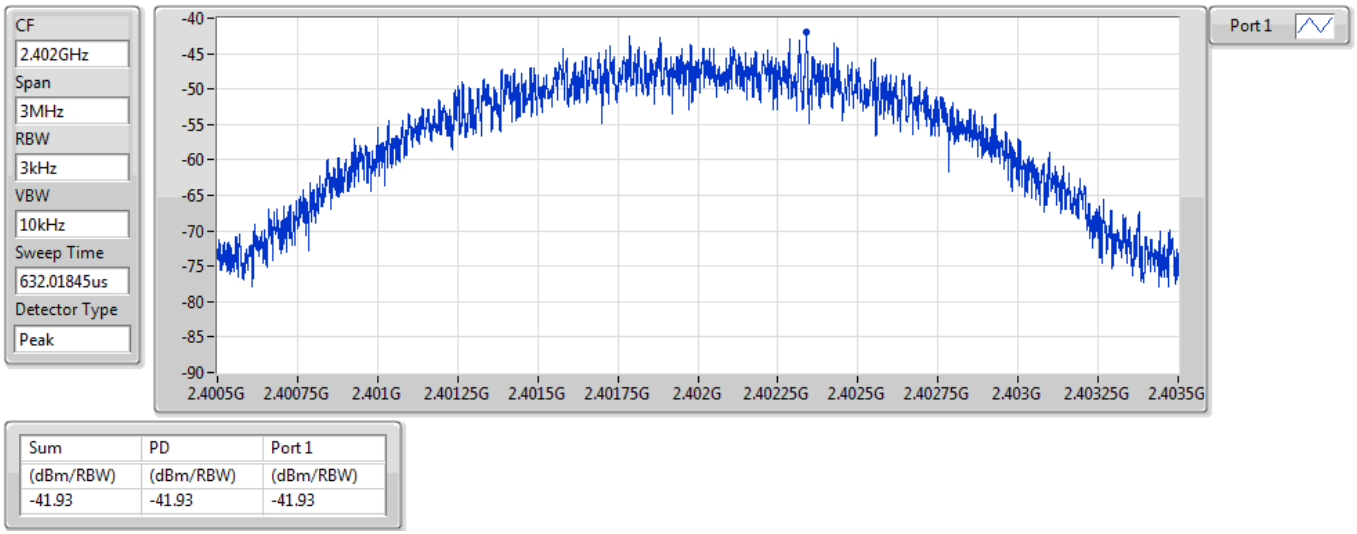
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-38.23	-38.23	-38.23

BT-LE(2Mbps) **PSD**

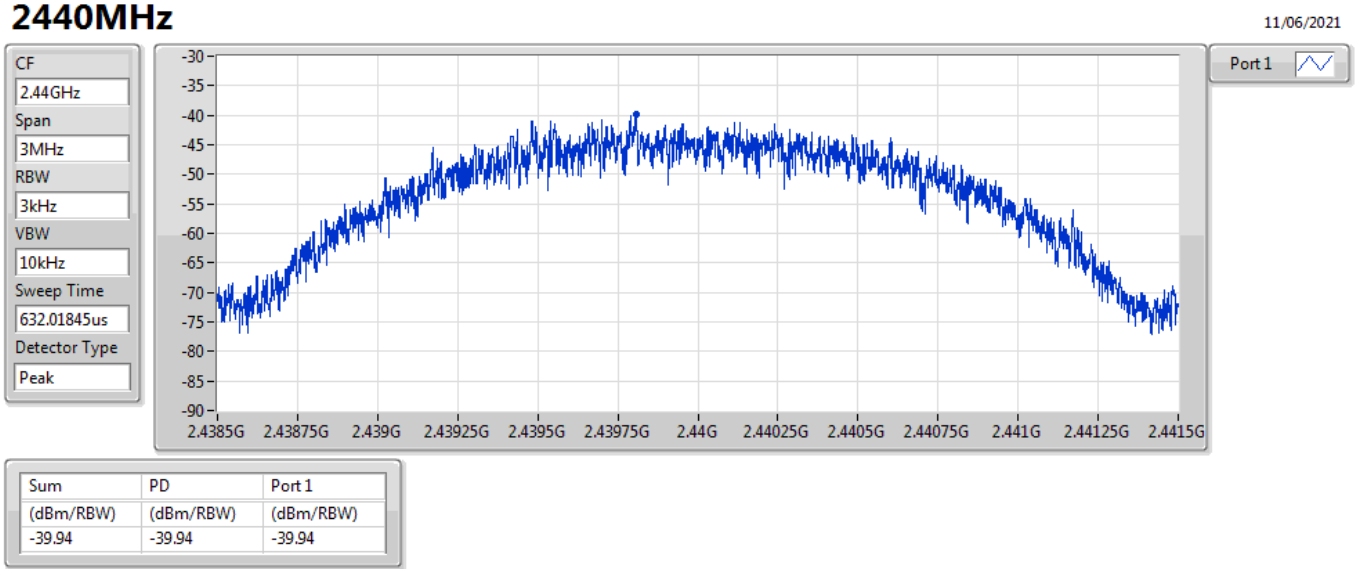
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-41.93	-41.93	-41.93

BT-LE(2Mbps) PSD

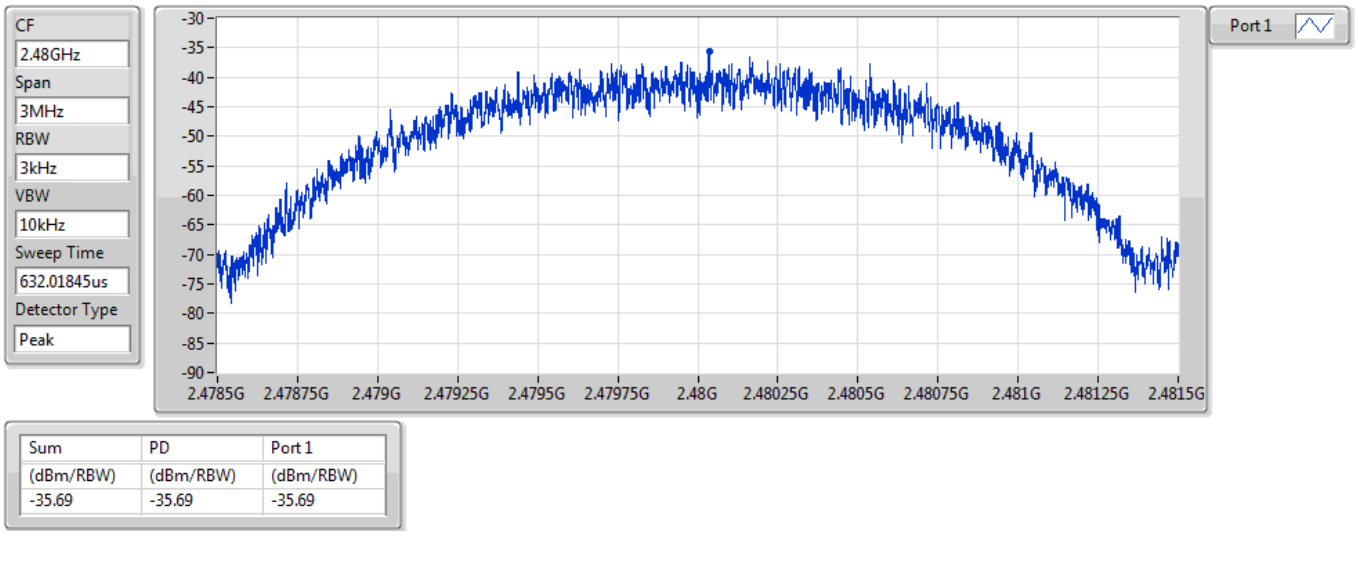
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-39.94	-39.94	-39.94

BT-LE(2Mbps) PSD

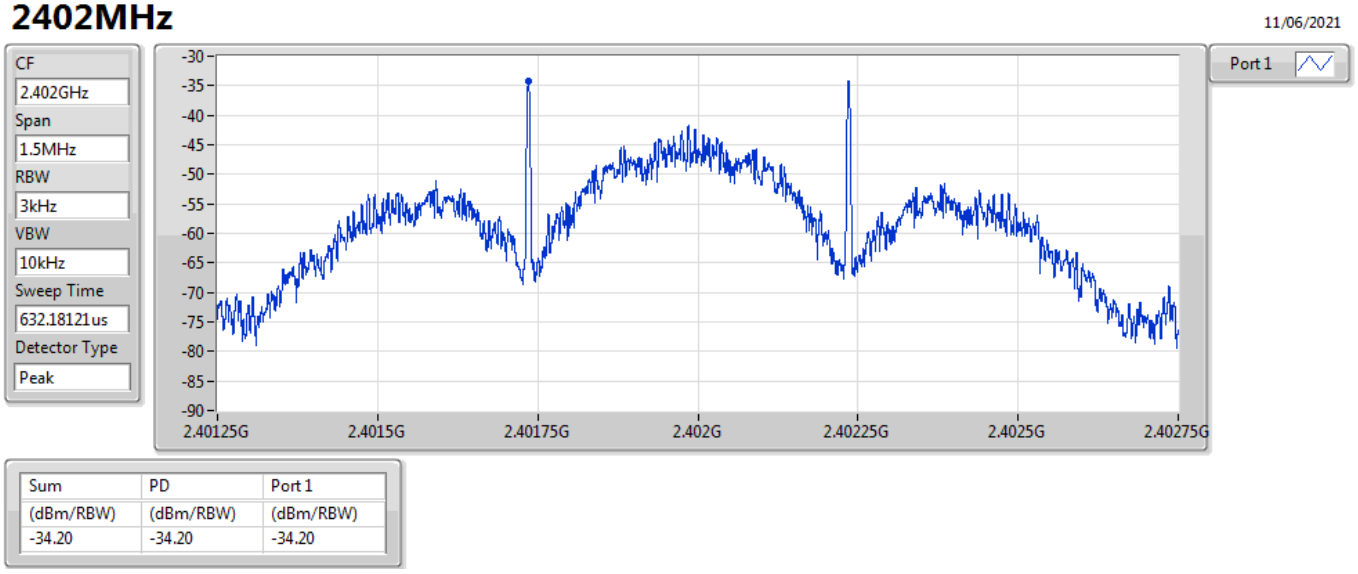
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-35.69	-35.69	-35.69

BT-LE(125kbps) PSD

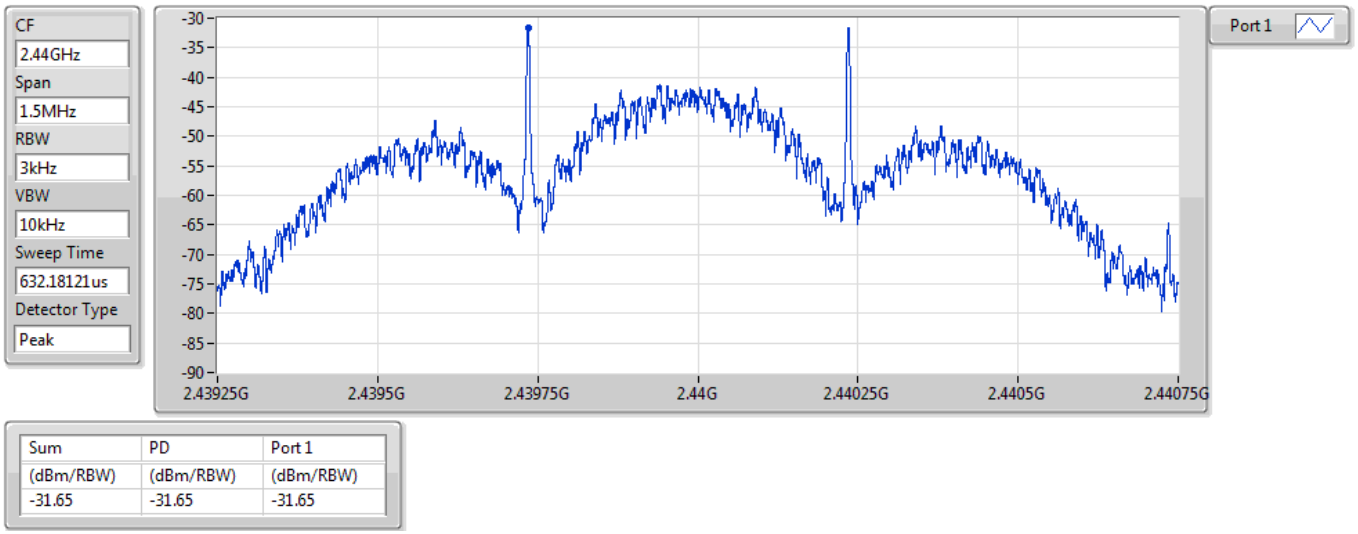
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-34.20	-34.20	-34.20

BT-LE(125kbps) PSD

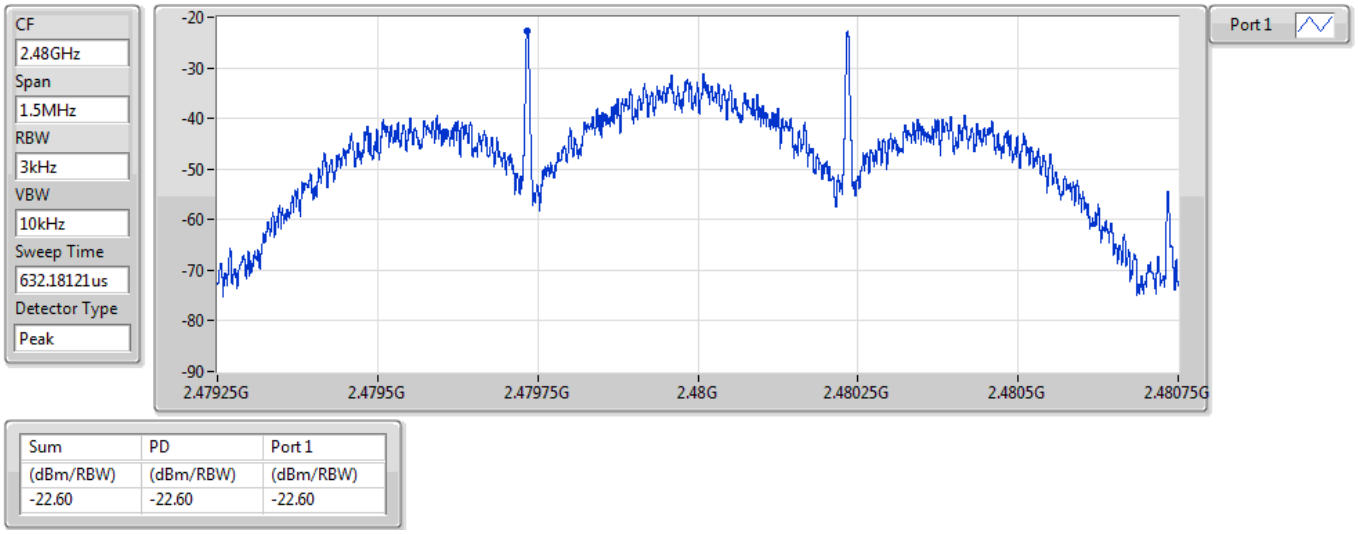
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-31.65	-31.65	-31.65

BT-LE(125kbps) PSD

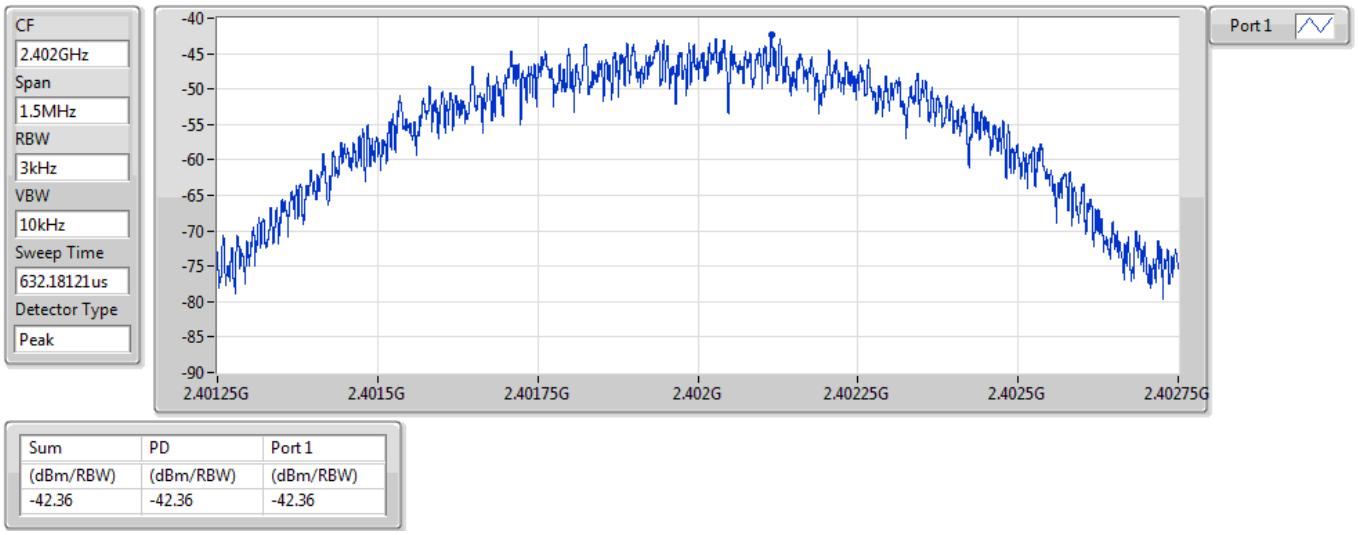
2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-22.60	-22.60	-22.60

BT-LE(500kbps) PSD

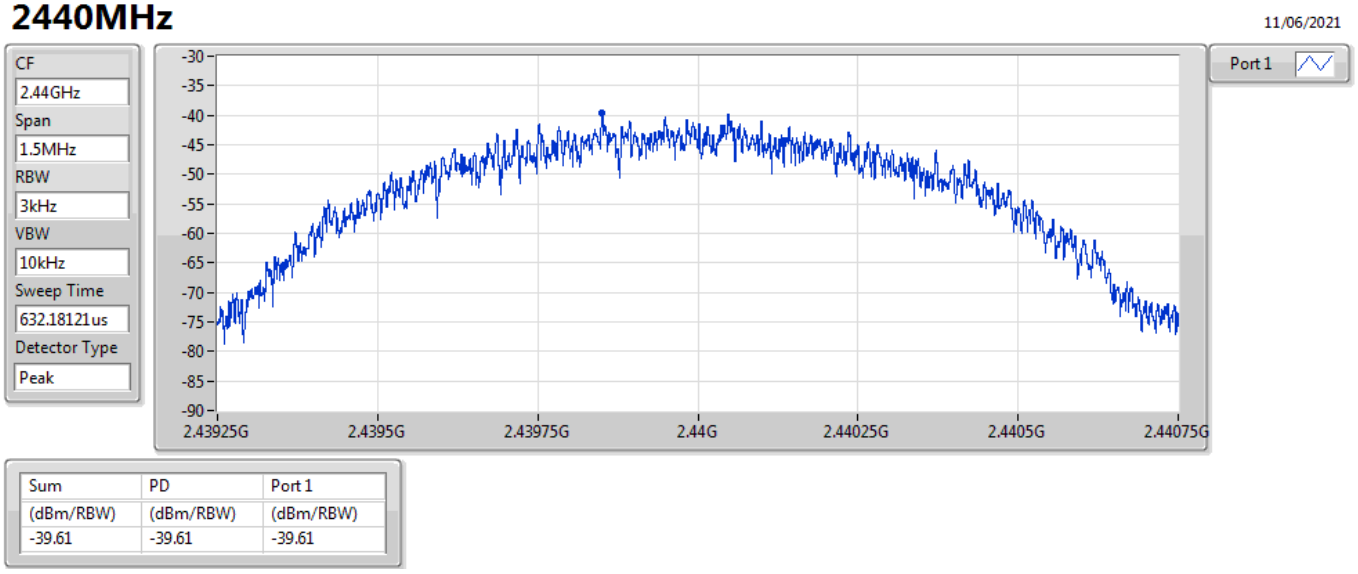
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-42.36	-42.36	-42.36

BT-LE(500kbps) PSD

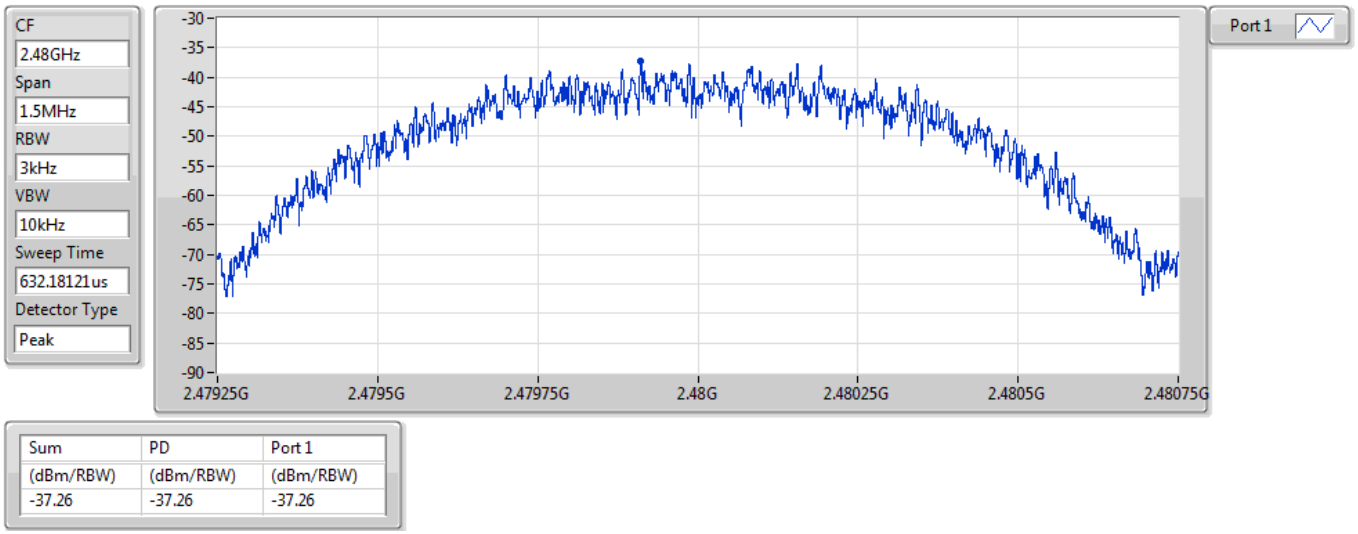
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-39.61	-39.61	-39.61

BT-LE(500kbps) PSD

2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-37.26	-37.26	-37.26

Summary

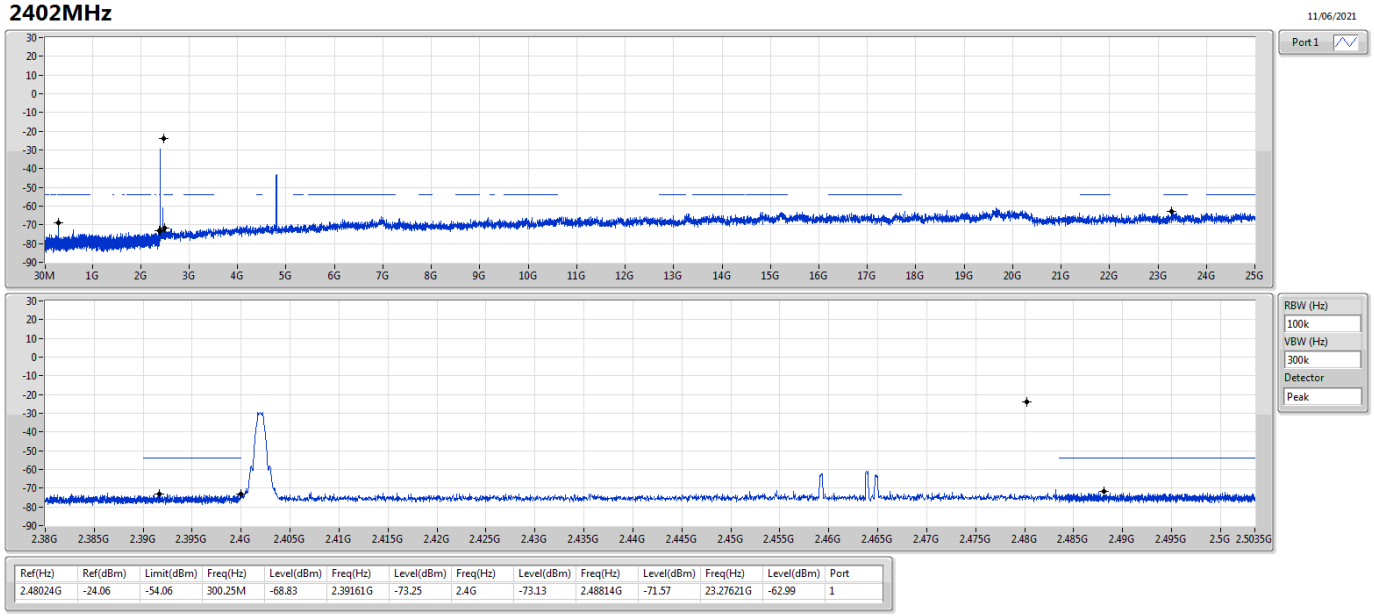
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.48024G	-24.06	-54.06	309.94M	-64.40	2.3906G	-72.89	2.4835G	-74.79	2.49846G	-71.95	24.79191G	-62.92	1
BT-LE(2Mbps)	Pass	2.47949G	-22.44	-52.44	300.25M	-66.22	2.4G	-59.40	2.4G	-60.97	2.49789G	-71.64	15.20559G	-62.92	1
BT-LE(125kbps)	Pass	2.47974G	-20.40	-50.40	309.94M	-61.63	2.39964G	-71.76	2.4835G	-74.96	2.4835G	-71.46	23.30714G	-62.18	1
BT-LE(500kbps)	Pass	2.47999G	-24.08	-54.08	309.94M	-65.15	2.39712G	-73.41	2.4835G	-75.31	2.49434G	-71.60	15.25902G	-62.17	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	2.48024G	-24.06	-54.06	300.25M	-68.83	2.39161G	-73.25	2.4G	-73.13	2.48814G	-71.57	23.27621G	-62.99	1
2440MHz	Pass	2.48024G	-24.06	-54.06	304.95M	-66.30	2.39587G	-72.52	2.4835G	-73.60	2.4844G	-71.13	15.08186G	-62.89	1
2480MHz	Pass	2.48024G	-24.06	-54.06	309.94M	-64.40	2.3906G	-72.89	2.4835G	-74.79	2.49846G	-71.95	24.79191G	-62.92	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.47949G	-22.44	-52.44	300.25M	-66.22	2.4G	-59.40	2.4G	-60.97	2.49789G	-71.64	15.20559G	-62.92	1
2440MHz	Pass	2.47949G	-22.44	-52.44	304.95M	-64.77	2.39274G	-72.38	2.4835G	-76.14	2.4874G	-71.83	15.22527G	-62.55	1
2480MHz	Pass	2.47949G	-22.44	-52.44	309.94M	-62.33	2.39608G	-72.71	2.4835G	-74.97	2.49586G	-71.19	15.25339G	-62.34	1
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.47974G	-20.40	-50.40	300.25M	-68.31	2.39997G	-71.31	2.4835G	-74.12	2.50287G	-71.79	24.61194G	-62.56	1
2440MHz	Pass	2.47974G	-20.40	-50.40	304.95M	-67.03	2.39885G	-72.51	2.4835G	-73.87	2.49081G	-71.56	15.21402G	-61.94	1
2480MHz	Pass	2.47974G	-20.40	-50.40	309.94M	-61.63	2.39964G	-71.76	2.4835G	-74.96	2.4835G	-71.46	23.30714G	-62.18	1
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.47999G	-24.08	-54.08	300.25M	-68.64	2.39194G	-72.05	2.4G	-72.99	2.49255G	-71.17	24.06077G	-62.84	1
2440MHz	Pass	2.47999G	-24.08	-54.08	304.95M	-66.68	2.39508G	-71.60	2.4G	-75.39	2.48555G	-71.22	17.28932G	-62.54	1
2480MHz	Pass	2.47999G	-24.08	-54.08	309.94M	-65.15	2.39712G	-73.41	2.4835G	-75.31	2.49434G	-71.60	15.25902G	-62.17	1

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

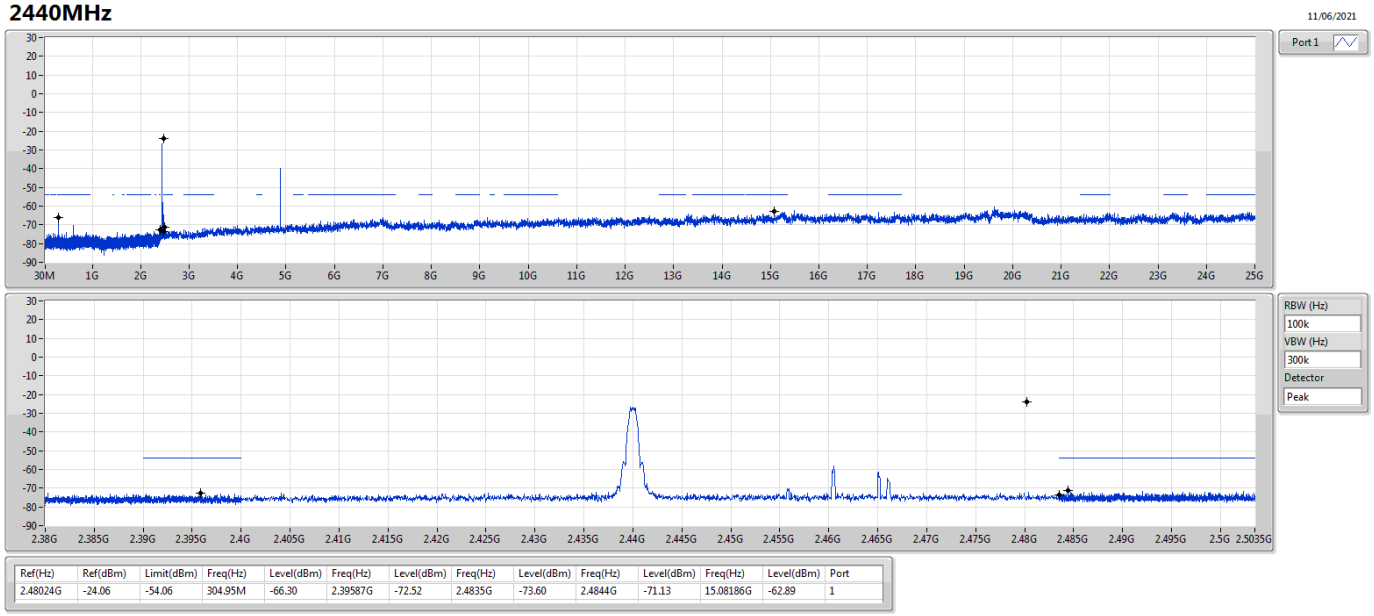
2402MHz



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
2.48024G	-24.06	-54.06	300.25M	-68.83	2.39161G	-73.25	2.4G	-73.13	2.48814G	-71.57	23.27621G	-62.99	1

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

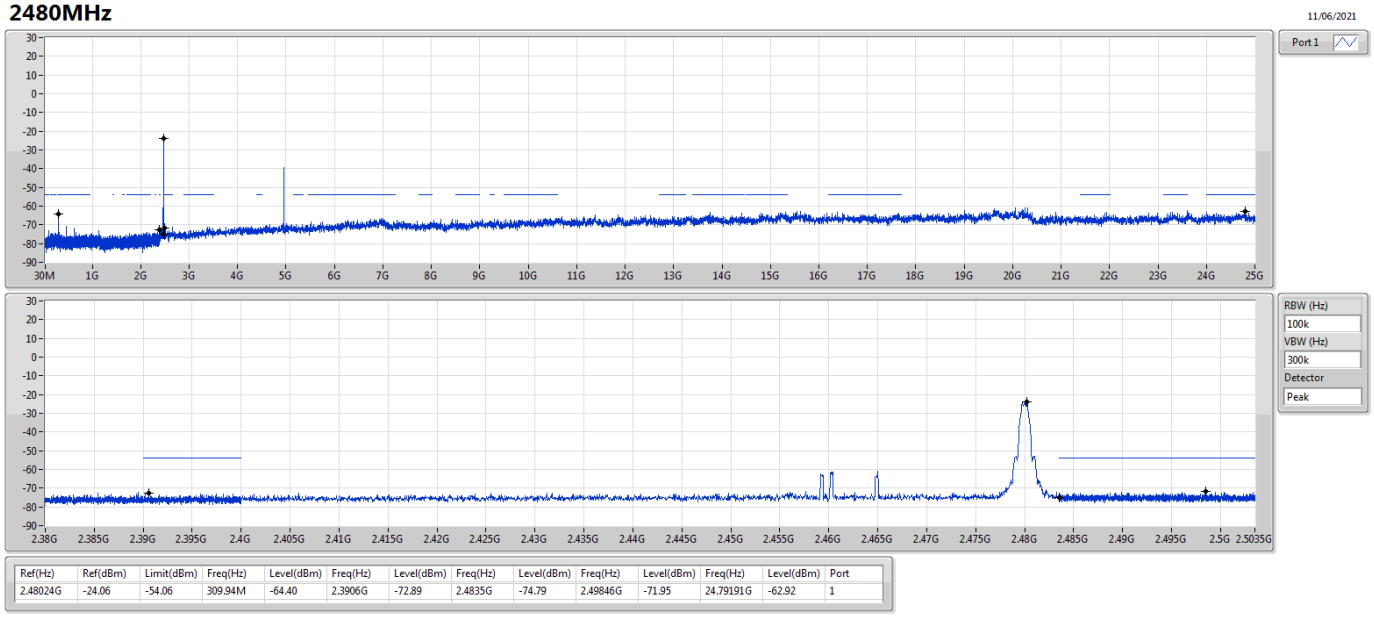
2440MHz



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
2.48024G	-24.06	-54.06	304.95M	-66.30	2.39587G	-72.52	2.4835G	-73.60	2.4844G	-71.13	15.08186G	-62.89	1

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

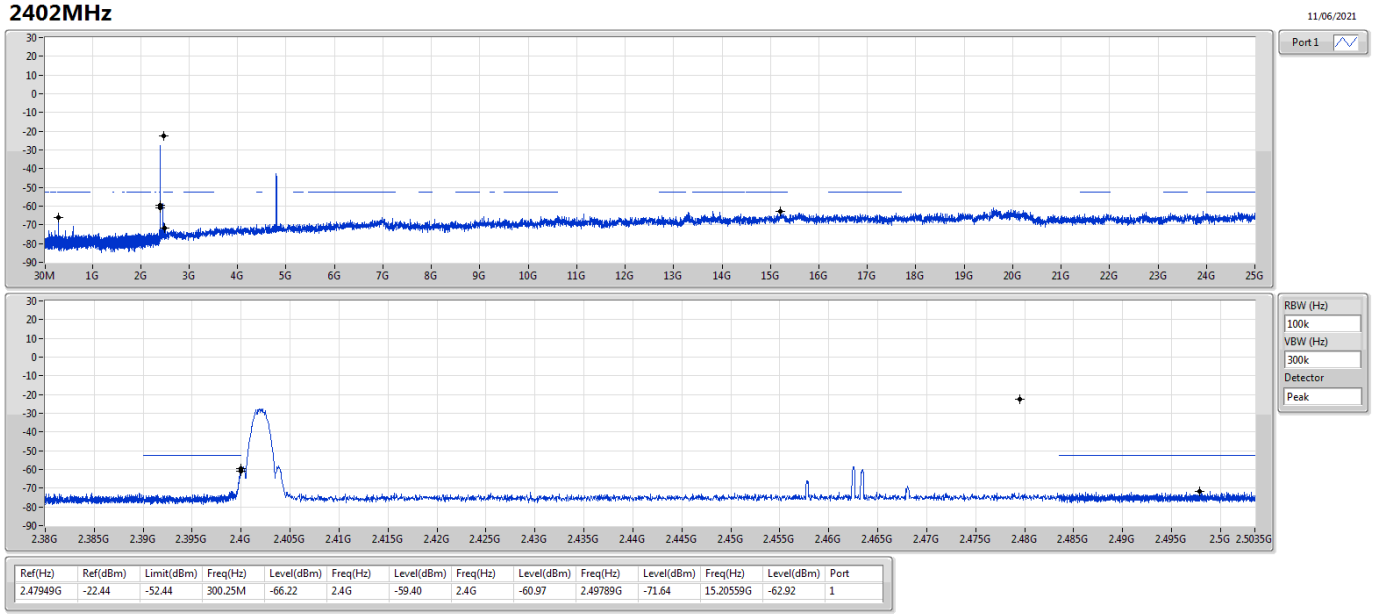
2480MHz



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
2.48024G	-24.06	-54.06	309.94M	-64.40	2.3906G	-72.89	2.4835G	-74.79	2.49846G	-71.95	24.79191G	-62.92	1

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

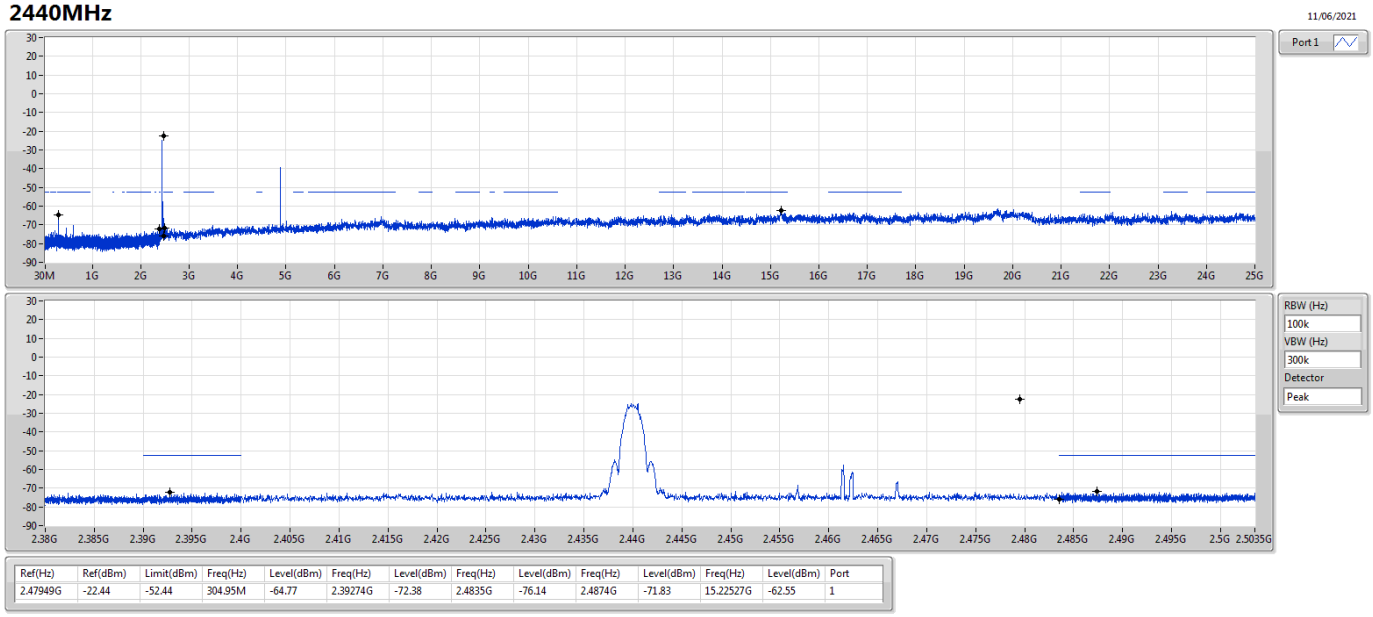
2402MHz



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
2.47949G	-22.44	-52.44	300.25M	-66.22	2.4G	-59.40	2.4G	-60.97	2.49789G	-71.64	15.20559G	-62.92	1

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

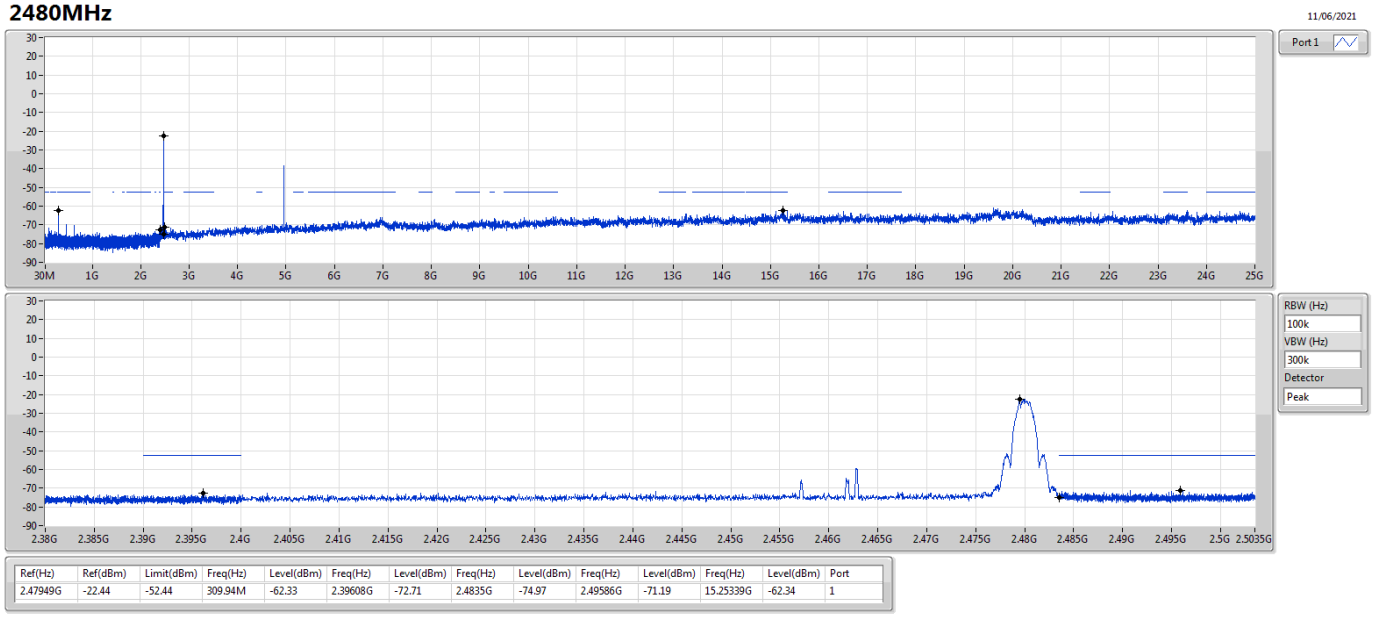
2440MHz



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
2.47949G	-22.44	-52.44	304.95M	-64.77	2.39274G	-72.38	2.4835G	-76.14	2.4874G	-71.83	15.22527G	-62.55	1

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

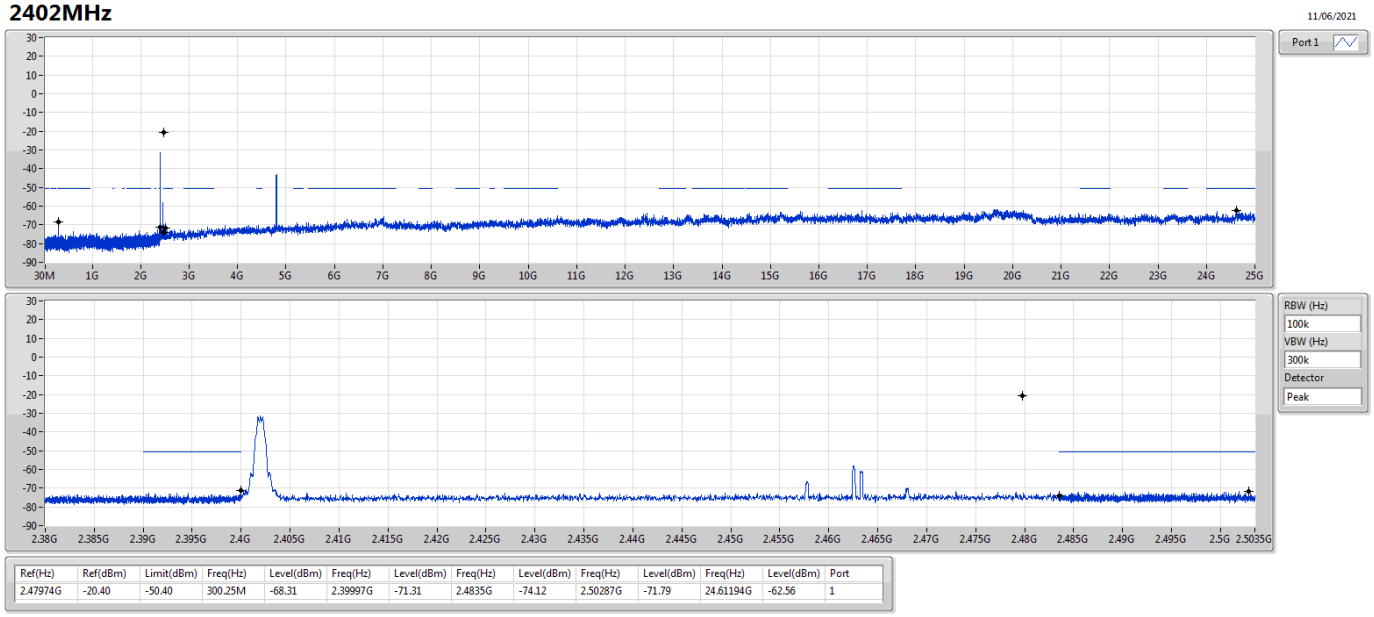
2480MHz



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
2.47949G	-22.44	-52.44	309.94M	-62.33	2.39608G	-72.71	2.4835G	-74.97	2.49586G	-71.19	15.25339G	-62.34	1

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

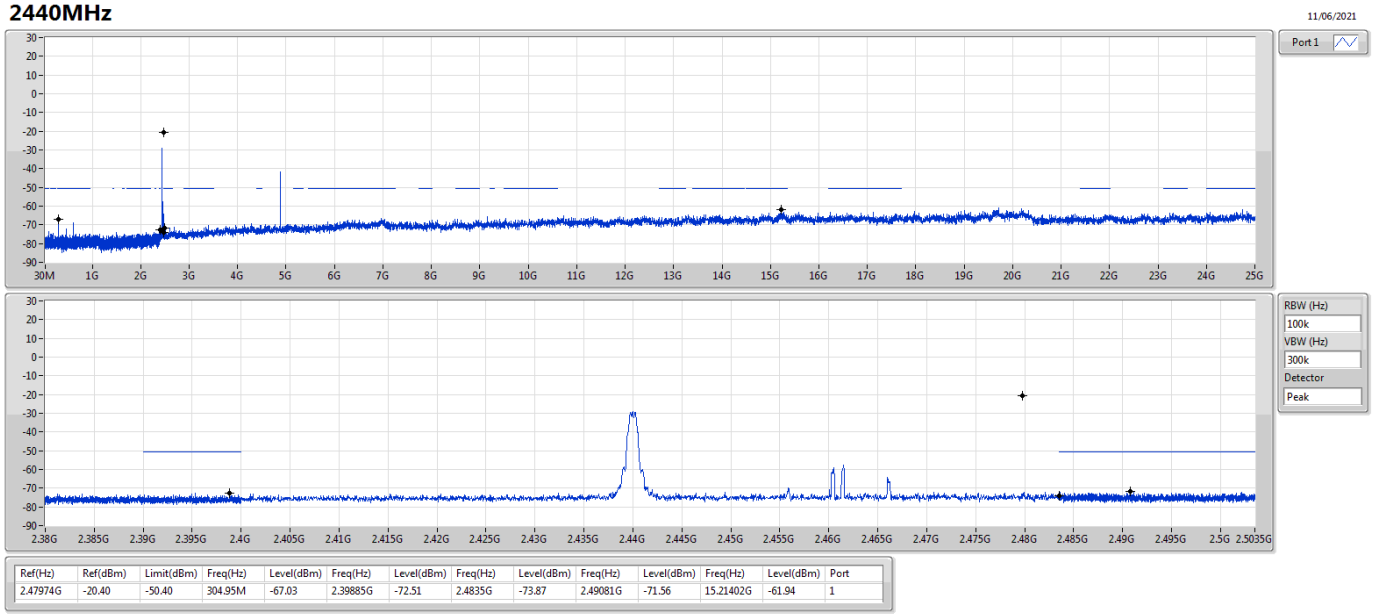
2402MHz



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
2.47974G	-20.40	-50.40	300.25M	-68.31	2.39997G	-71.31	2.4835G	-74.12	2.50287G	-71.79	24.61194G	-62.56	1

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

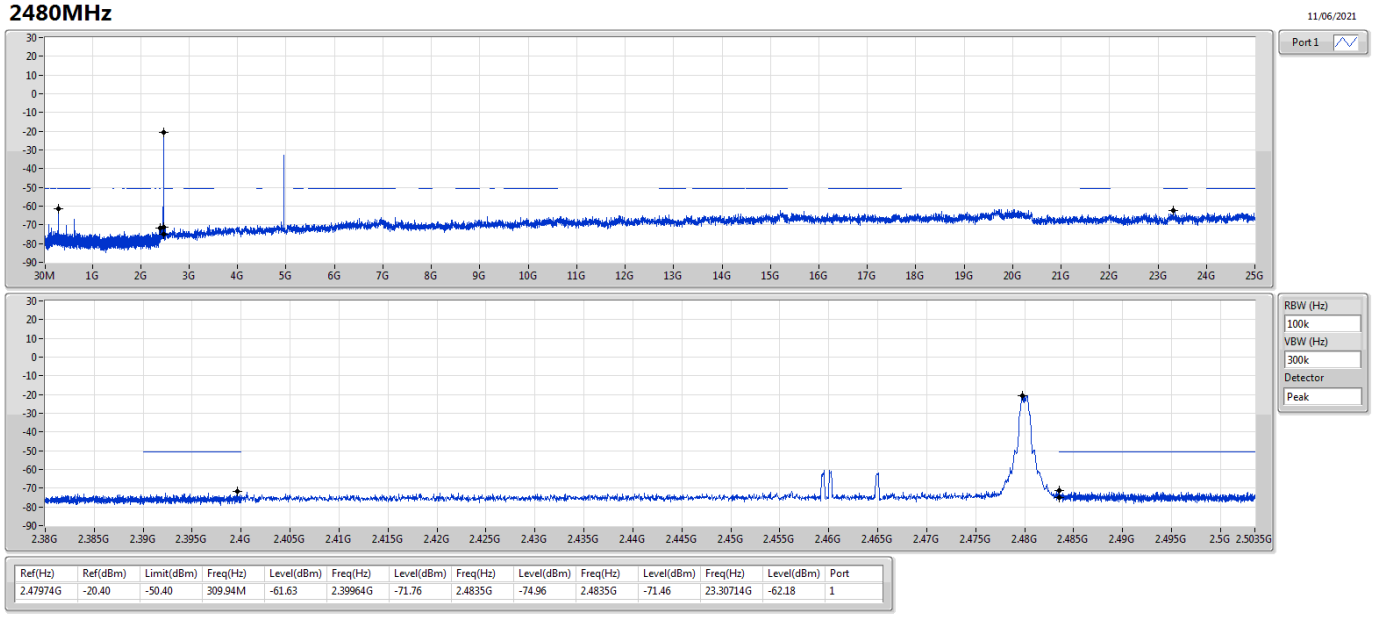
2440MHz



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
2.47974G	-20.40	-50.40	304.95M	-67.03	2.39885G	-72.51	2.4835G	-73.87	2.49081G	-71.56	15.21402G	-61.94	1

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

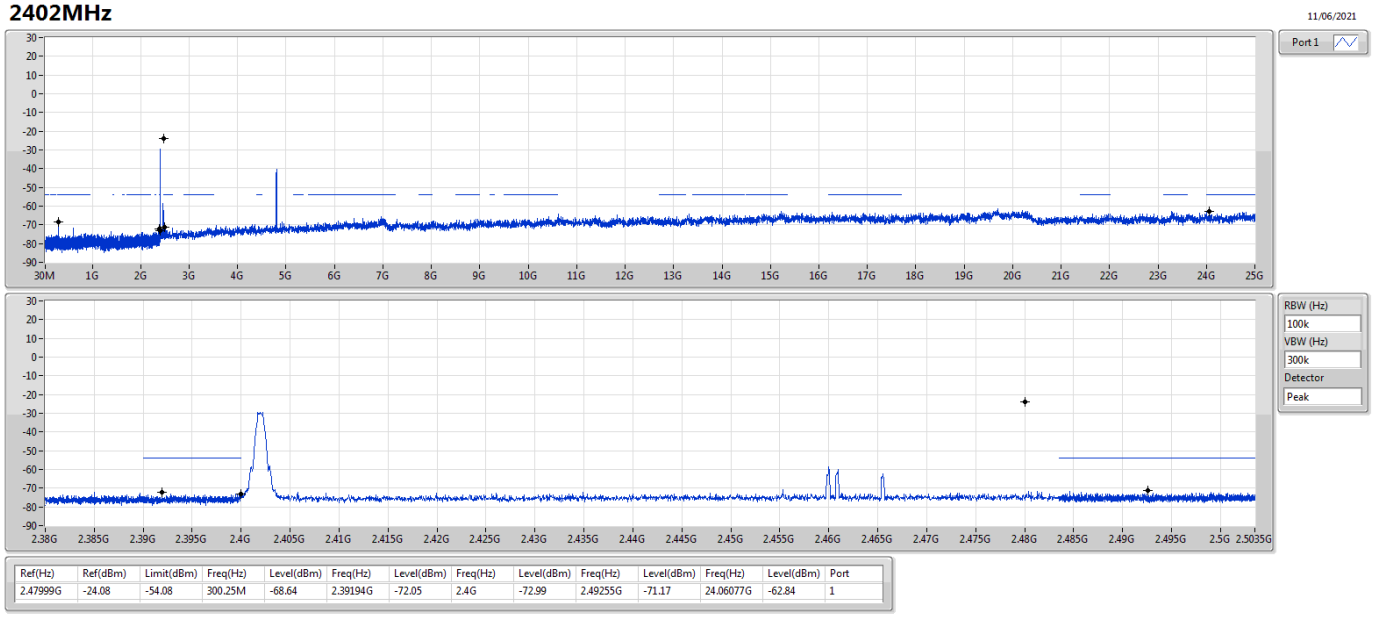
2480MHz



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
2.47974G	-20.40	-50.40	309.94M	-61.63	2.39964G	-71.76	2.4835G	-74.96	2.4835G	-71.46	23.30714G	-62.18	1

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

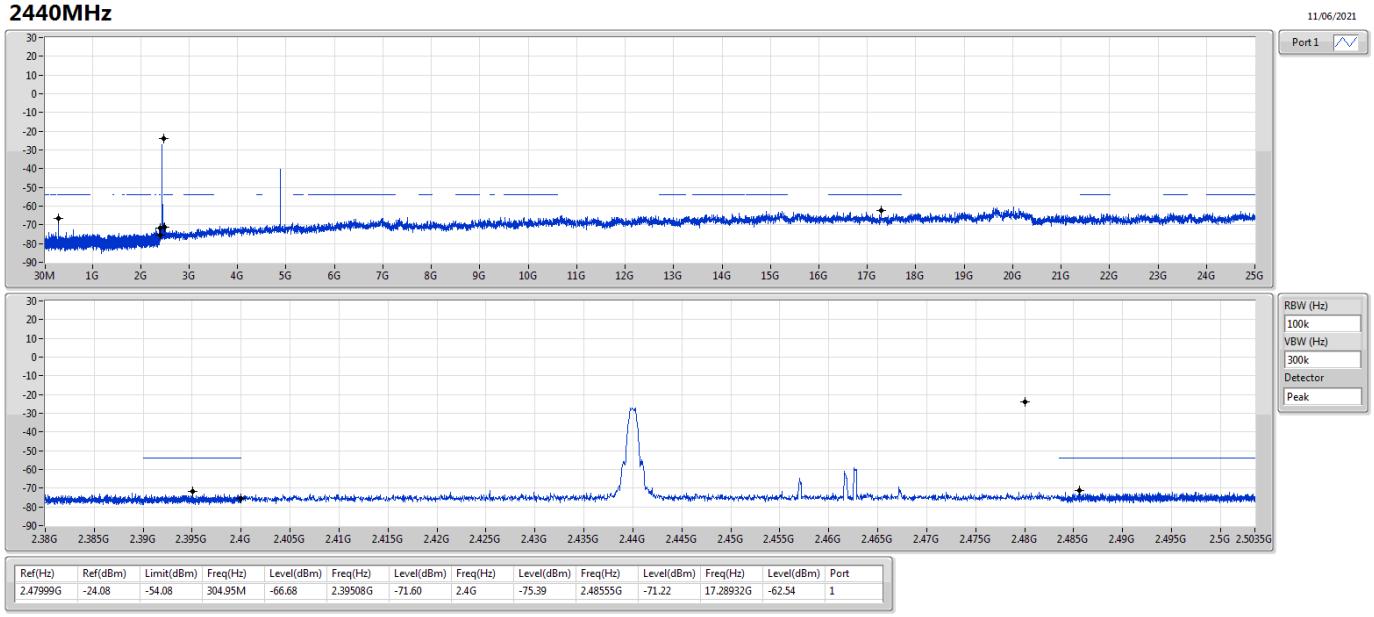
2402MHz



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
2.47999G	-24.08	-54.08	300.25M	-68.64	2.39194G	-72.05	2.4G	-72.99	2.49255G	-71.17	24.06077G	-62.84	1

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

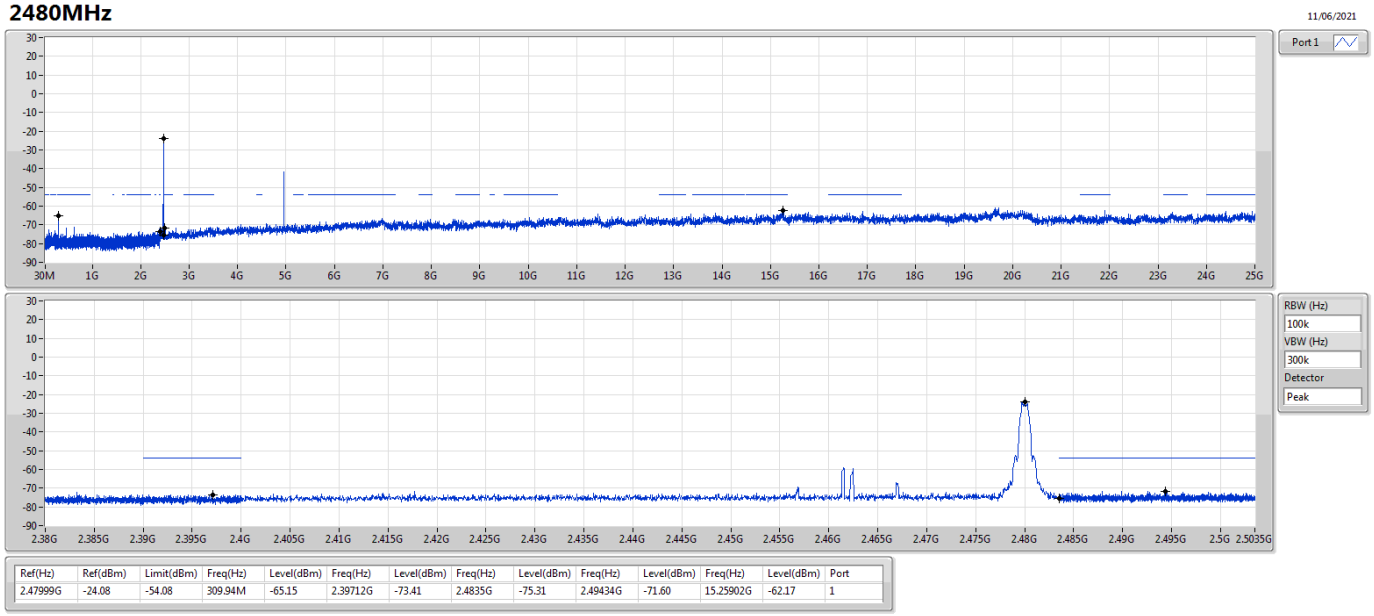
2440MHz



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
2.47999G	-24.08	-54.08	304.95M	-66.68	2.39508G	-71.60	2.4G	-75.39	2.48555G	-71.22	17.28932G	-62.54	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
2.47999G	-24.08	-54.08	309.94M	-65.15	2.39712G	-73.41	2.4835G	-75.31	2.49434G	-71.60	15.25902G	-62.17	1

Summary

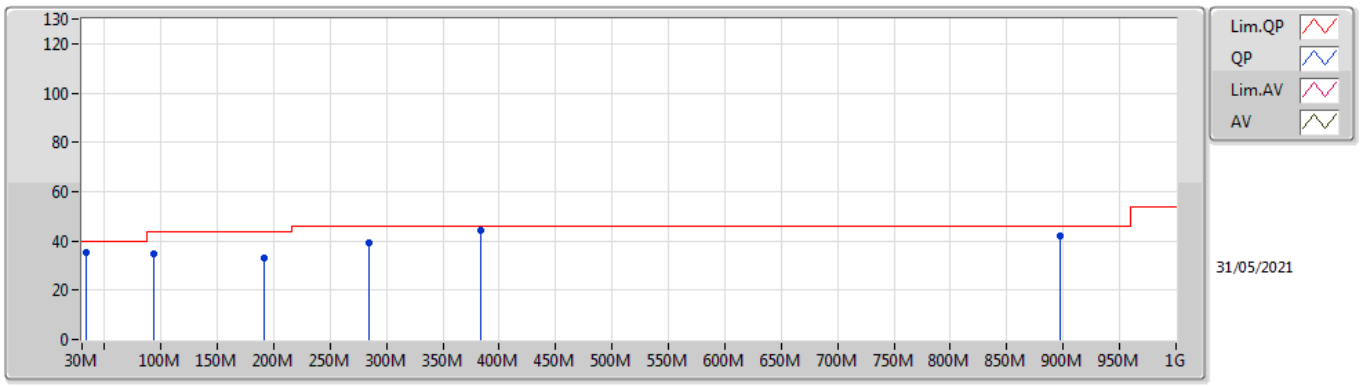
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	QP	383.08M	44.69	46.00	-1.31	3	Horizontal	168	1.77	-

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	33.88M	35.48	40.00	-4.52	3	Vertical	360	1.00	-
2440MHz	Pass	PK	94.02M	34.61	43.50	-8.89	3	Vertical	360	1.00	-
2440MHz	Pass	PK	191.02M	32.92	43.50	-10.58	3	Vertical	360	1.00	-
2440MHz	Pass	PK	284.14M	39.05	46.00	-6.95	3	Vertical	360	1.00	-
2440MHz	Pass	PK	897.18M	41.84	46.00	-4.16	3	Vertical	360	1.00	-
2440MHz	Pass	QP	383.08M	44.54	46.00	-1.46	3	Vertical	103	1.00	-
2440MHz	Pass	PK	49.4M	34.84	40.00	-5.16	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	191.02M	37.27	43.50	-6.23	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	266.68M	39.61	46.00	-6.39	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	577.08M	42.62	46.00	-3.38	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	939.86M	41.18	46.00	-4.82	3	Horizontal	0	1.00	-
2440MHz	Pass	QP	383.08M	44.69	46.00	-1.31	3	Horizontal	168	1.77	-

BT-LE(2Mbps)

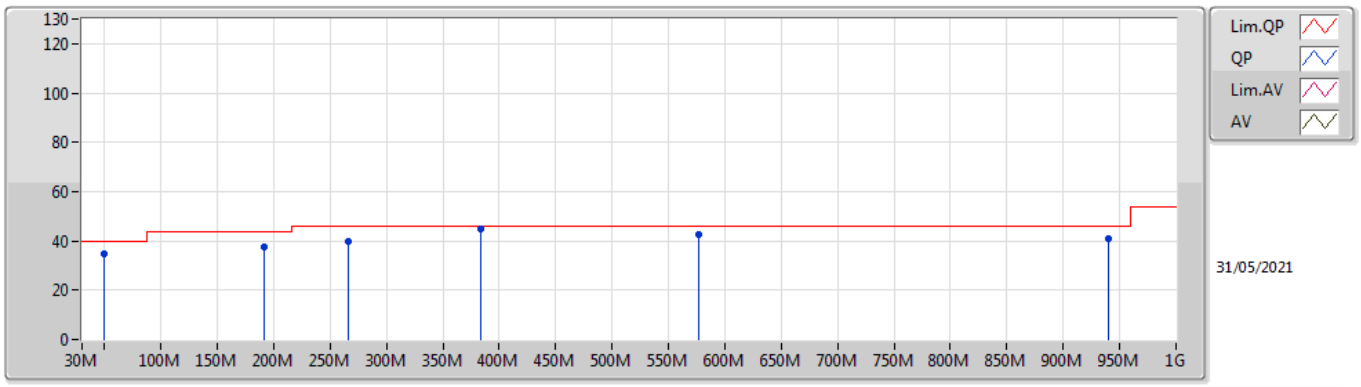
2440MHz_PoE



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	33.88M	35.48	40.00	-4.52	-4.80	3	Vertical	360	1.00	-	40.28	21.26	0.90	26.96
PK	94.02M	34.61	43.50	-8.89	-11.45	3	Vertical	360	1.00	-	46.06	14.96	1.38	27.79
PK	191.02M	32.92	43.50	-10.58	-11.16	3	Vertical	360	1.00	-	44.08	14.28	1.92	27.36
PK	284.14M	39.05	46.00	-6.95	-6.65	3	Vertical	360	1.00	-	45.70	18.10	2.29	27.04
PK	897.18M	41.84	46.00	-4.16	2.33	3	Vertical	360	1.00	-	39.51	25.64	4.10	27.41
QP	383.08M	44.54	46.00	-1.46	-4.63	3	Vertical	103	1.00	-	49.17	20.28	2.68	27.59

BT-LE(2Mbps)

2440MHz_PoE



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	49.4M	34.84	40.00	-5.16	-13.23	3	Horizontal	0	1.00	-	48.07	13.40	1.06	27.69
PK	191.02M	37.27	43.50	-6.23	-11.16	3	Horizontal	0	1.00	-	48.43	14.28	1.92	27.36
PK	266.68M	39.61	46.00	-6.39	-6.42	3	Horizontal	0	1.00	-	46.03	18.41	2.22	27.05
PK	577.08M	42.62	46.00	-3.38	-1.04	3	Horizontal	0	1.00	-	43.66	24.01	3.29	28.34
PK	939.86M	41.18	46.00	-4.82	2.74	3	Horizontal	0	1.00	-	38.44	25.85	4.17	27.28
QP	383.08M	44.69	46.00	-1.31	-4.63	3	Horizontal	168	1.77	-	49.32	20.28	2.68	27.59

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	4.804G	53.71	54.00	-0.29	3	Horizontal	272	1.67	-
BT-LE(2Mbps)	Pass	AV	4.80305G	53.57	54.00	-0.43	3	Horizontal	272	1.52	-
BT-LE(125kbps)	Pass	AV	4.80387G	52.79	54.00	-1.21	3	Horizontal	272	1.50	-
BT-LE(500kbps)	Pass	AV	4.80398G	53.68	54.00	-0.32	3	Horizontal	272	1.66	-

Result

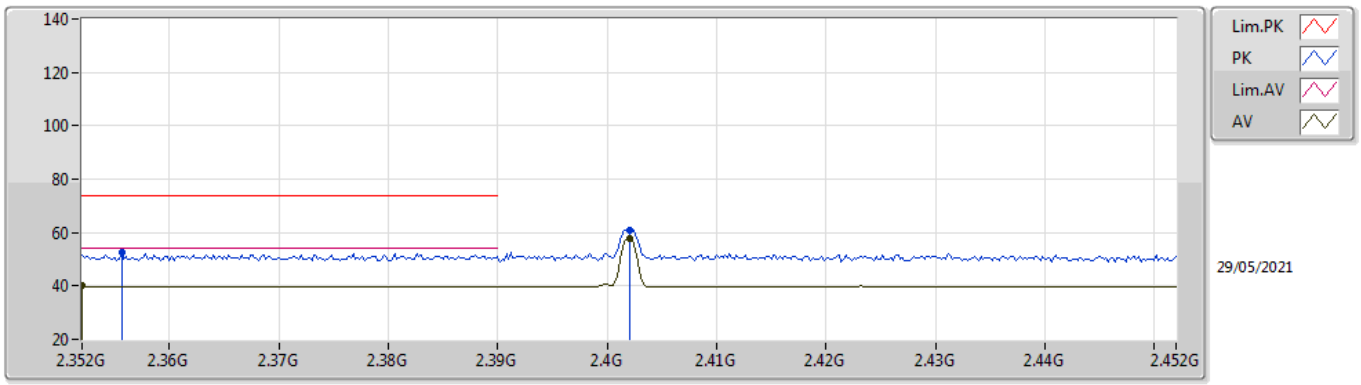
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.352G	39.96	54.00	-14.04	3	Vertical	192	1.44	-
2402MHz	Pass	AV	2.402G	57.97	Inf	-Inf	3	Vertical	192	1.44	-
2402MHz	Pass	PK	2.3556G	52.63	74.00	-21.37	3	Vertical	192	1.44	-
2402MHz	Pass	PK	2.402G	61.07	Inf	-Inf	3	Vertical	192	1.44	-
2402MHz	Pass	AV	2.3664G	39.97	54.00	-14.03	3	Horizontal	360	2.09	-
2402MHz	Pass	AV	2.402G	64.55	Inf	-Inf	3	Horizontal	360	2.09	-
2402MHz	Pass	PK	2.389G	52.72	74.00	-21.28	3	Horizontal	360	2.09	-
2402MHz	Pass	PK	2.4018G	66.54	Inf	-Inf	3	Horizontal	360	2.09	-
2402MHz	Pass	AV	4.80407G	51.62	54.00	-2.38	3	Vertical	209	1.50	-
2402MHz	Pass	PK	4.80344G	56.81	74.00	-17.19	3	Vertical	209	1.50	-
2402MHz	Pass	AV	4.804G	53.71	54.00	-0.29	3	Horizontal	272	1.67	-
2402MHz	Pass	PK	4.80345G	58.63	74.00	-15.37	3	Horizontal	272	1.67	-
2440MHz	Pass	AV	2.3404G	39.91	54.00	-14.09	3	Vertical	63	1.77	-
2440MHz	Pass	AV	2.44G	60.29	Inf	-Inf	3	Vertical	63	1.77	-
2440MHz	Pass	AV	2.496G	41.04	54.00	-12.96	3	Vertical	63	1.77	-
2440MHz	Pass	PK	2.3868G	51.91	74.00	-22.09	3	Vertical	63	1.77	-
2440MHz	Pass	PK	2.4396G	63.06	Inf	-Inf	3	Vertical	63	1.77	-
2440MHz	Pass	PK	2.4956G	52.97	74.00	-21.03	3	Vertical	63	1.77	-
2440MHz	Pass	AV	2.3404G	39.91	54.00	-14.09	3	Horizontal	360	2.27	-
2440MHz	Pass	AV	2.44G	66.93	Inf	-Inf	3	Horizontal	360	2.27	-
2440MHz	Pass	AV	2.496G	41.87	54.00	-12.13	3	Horizontal	360	2.27	-
2440MHz	Pass	PK	2.3688G	52.88	74.00	-21.12	3	Horizontal	360	2.27	-
2440MHz	Pass	PK	2.44G	68.76	Inf	-Inf	3	Horizontal	360	2.27	-
2440MHz	Pass	PK	2.496G	52.37	74.00	-21.63	3	Horizontal	360	2.27	-
2440MHz	Pass	AV	4.87986G	46.71	54.00	-7.29	3	Vertical	205	1.50	-
2440MHz	Pass	PK	4.87945G	53.28	74.00	-20.72	3	Vertical	205	1.50	-
2440MHz	Pass	AV	4.87999G	51.15	54.00	-2.85	3	Horizontal	347	1.50	-
2440MHz	Pass	PK	4.88051G	56.69	74.00	-17.31	3	Horizontal	347	1.50	-
2480MHz	Pass	AV	2.48G	62.75	Inf	-Inf	3	Vertical	26	1.00	-
2480MHz	Pass	AV	2.496G	44.66	54.00	-9.34	3	Vertical	26	1.00	-
2480MHz	Pass	PK	2.4802G	65.12	Inf	-Inf	3	Vertical	26	1.00	-
2480MHz	Pass	PK	2.4962G	53.47	74.00	-20.53	3	Vertical	26	1.00	-
2480MHz	Pass	AV	2.48G	69.35	Inf	-Inf	3	Horizontal	0	2.00	-
2480MHz	Pass	AV	2.496G	42.13	54.00	-11.87	3	Horizontal	0	2.00	-
2480MHz	Pass	PK	2.4798G	70.98	Inf	-Inf	3	Horizontal	0	2.00	-
2480MHz	Pass	PK	2.4936G	52.82	74.00	-21.18	3	Horizontal	0	2.00	-
2480MHz	Pass	AV	4.96001G	46.79	54.00	-7.21	3	Vertical	204	1.46	-
2480MHz	Pass	PK	4.95955G	53.55	74.00	-20.45	3	Vertical	204	1.46	-
2480MHz	Pass	AV	4.96011G	52.55	54.00	-1.45	3	Horizontal	349	1.43	-
2480MHz	Pass	PK	4.95954G	57.57	74.00	-16.43	3	Horizontal	349	1.43	-
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.382G	39.85	54.00	-14.15	3	Vertical	87	1.38	-
2402MHz	Pass	AV	2.402G	59.12	Inf	-Inf	3	Vertical	87	1.38	-
2402MHz	Pass	PK	2.3664G	52.50	74.00	-21.50	3	Vertical	87	1.38	-
2402MHz	Pass	PK	2.4024G	63.19	Inf	-Inf	3	Vertical	87	1.38	-
2402MHz	Pass	AV	2.3818G	39.85	54.00	-14.15	3	Horizontal	0	2.07	-
2402MHz	Pass	AV	2.402G	64.92	Inf	-Inf	3	Horizontal	0	2.07	-
2402MHz	Pass	PK	2.371G	52.76	74.00	-21.24	3	Horizontal	0	2.07	-
2402MHz	Pass	PK	2.4024G	68.15	Inf	-Inf	3	Horizontal	0	2.07	-
2402MHz	Pass	AV	4.80305G	50.43	54.00	-3.57	3	Vertical	206	1.36	-
2402MHz	Pass	PK	4.8029G	57.90	74.00	-16.10	3	Vertical	206	1.36	-
2402MHz	Pass	AV	4.80305G	53.57	54.00	-0.43	3	Horizontal	272	1.52	-
2402MHz	Pass	PK	4.80294G	60.79	74.00	-13.21	3	Horizontal	272	1.52	-
2440MHz	Pass	AV	2.3448G	40.03	54.00	-13.97	3	Vertical	63	1.78	-
2440MHz	Pass	AV	2.44G	61.28	Inf	-Inf	3	Vertical	63	1.78	-
2440MHz	Pass	AV	2.4964G	41.18	54.00	-12.82	3	Vertical	63	1.78	-
2440MHz	Pass	PK	2.346G	51.66	74.00	-22.34	3	Vertical	63	1.78	-
2440MHz	Pass	PK	2.44G	64.77	Inf	-Inf	3	Vertical	63	1.78	-
2440MHz	Pass	PK	2.4956G	52.01	74.00	-21.99	3	Vertical	63	1.78	-
2440MHz	Pass	AV	2.34G	39.91	54.00	-14.09	3	Horizontal	355	2.26	-

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	68.18	Inf	-Inf	3	Horizontal	355	2.26	-
2440MHz	Pass	AV	2.496G	42.00	54.00	-12.00	3	Horizontal	355	2.26	-
2440MHz	Pass	PK	2.3844G	52.21	74.00	-21.79	3	Horizontal	355	2.26	-
2440MHz	Pass	PK	2.4396G	71.25	Inf	-Inf	3	Horizontal	355	2.26	-
2440MHz	Pass	PK	2.4864G	52.23	74.00	-21.77	3	Horizontal	355	2.26	-
2440MHz	Pass	AV	4.87896G	47.02	54.00	-6.98	3	Vertical	204	1.49	-
2440MHz	Pass	PK	4.87893G	55.28	74.00	-18.72	3	Vertical	204	1.49	-
2440MHz	Pass	AV	4.87903G	51.83	54.00	-2.17	3	Horizontal	346	1.26	-
2440MHz	Pass	PK	4.87896G	59.44	74.00	-14.56	3	Horizontal	346	1.26	-
2480MHz	Pass	AV	2.48G	63.87	Inf	-Inf	3	Vertical	26	1.00	-
2480MHz	Pass	AV	2.496G	45.03	54.00	-8.97	3	Vertical	26	1.00	-
2480MHz	Pass	PK	2.4794G	67.41	Inf	-Inf	3	Vertical	26	1.00	-
2480MHz	Pass	PK	2.496G	53.77	74.00	-20.23	3	Vertical	26	1.00	-
2480MHz	Pass	AV	2.48G	70.90	Inf	-Inf	3	Horizontal	0	2.00	-
2480MHz	Pass	AV	2.496G	42.50	54.00	-11.50	3	Horizontal	0	2.00	-
2480MHz	Pass	PK	2.4806G	74.12	Inf	-Inf	3	Horizontal	0	2.00	-
2480MHz	Pass	PK	2.4946G	52.21	74.00	-21.79	3	Horizontal	0	2.00	-
2480MHz	Pass	AV	4.96086G	47.43	54.00	-6.57	3	Vertical	203	1.46	-
2480MHz	Pass	PK	4.95899G	55.54	74.00	-18.46	3	Vertical	203	1.46	-
2480MHz	Pass	AV	4.96093G	52.57	54.00	-1.43	3	Horizontal	350	1.58	-
2480MHz	Pass	PK	4.96104G	59.74	74.00	-14.26	3	Horizontal	350	1.58	-
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.389G	39.87	54.00	-14.13	3	Vertical	73	1.20	-
2402MHz	Pass	AV	2.402G	61.75	Inf	-Inf	3	Vertical	73	1.20	-
2402MHz	Pass	PK	2.3824G	51.97	74.00	-22.03	3	Vertical	73	1.20	-
2402MHz	Pass	PK	2.4022G	64.43	Inf	-Inf	3	Vertical	73	1.20	-
2402MHz	Pass	AV	2.3892G	39.87	54.00	-14.13	3	Horizontal	357	2.09	-
2402MHz	Pass	AV	2.402G	66.56	Inf	-Inf	3	Horizontal	357	2.09	-
2402MHz	Pass	PK	2.3676G	52.28	74.00	-21.72	3	Horizontal	357	2.09	-
2402MHz	Pass	PK	2.4022G	68.46	Inf	-Inf	3	Horizontal	357	2.09	-
2402MHz	Pass	AV	4.80392G	49.68	54.00	-4.32	3	Vertical	207	1.50	-
2402MHz	Pass	PK	4.80346G	55.77	74.00	-18.23	3	Vertical	207	1.50	-
2402MHz	Pass	AV	4.80387G	52.79	54.00	-1.21	3	Horizontal	272	1.50	-
2402MHz	Pass	PK	4.80344G	58.26	74.00	-15.74	3	Horizontal	272	1.50	-
2440MHz	Pass	AV	2.3468G	40.04	54.00	-13.96	3	Vertical	61	1.50	-
2440MHz	Pass	AV	2.44G	61.59	Inf	-Inf	3	Vertical	61	1.50	-
2440MHz	Pass	AV	2.496G	40.79	54.00	-13.21	3	Vertical	61	1.50	-
2440MHz	Pass	PK	2.3432G	52.66	74.00	-21.34	3	Vertical	61	1.50	-
2440MHz	Pass	PK	2.4396G	64.46	Inf	-Inf	3	Vertical	61	1.50	-
2440MHz	Pass	PK	2.4936G	52.98	74.00	-21.02	3	Vertical	61	1.50	-
2440MHz	Pass	AV	2.3432G	40.07	54.00	-13.93	3	Horizontal	360	1.29	-
2440MHz	Pass	AV	2.44G	67.92	Inf	-Inf	3	Horizontal	360	1.29	-
2440MHz	Pass	AV	2.496G	42.94	54.00	-11.06	3	Horizontal	360	1.29	-
2440MHz	Pass	PK	2.3648G	52.10	74.00	-21.90	3	Horizontal	360	1.29	-
2440MHz	Pass	PK	2.4404G	69.85	Inf	-Inf	3	Horizontal	360	1.29	-
2440MHz	Pass	PK	2.4972G	52.48	74.00	-21.52	3	Horizontal	360	1.29	-
2440MHz	Pass	AV	4.87989G	45.19	54.00	-8.81	3	Vertical	206	1.50	-
2440MHz	Pass	PK	4.87935G	52.37	74.00	-21.63	3	Vertical	206	1.50	-
2440MHz	Pass	AV	4.87994G	50.91	54.00	-3.09	3	Horizontal	350	1.27	-
2440MHz	Pass	PK	4.88044G	57.09	74.00	-16.91	3	Horizontal	350	1.27	-
2480MHz	Pass	AV	2.48G	70.64	Inf	-Inf	3	Vertical	62	1.19	-
2480MHz	Pass	AV	2.496G	41.38	54.00	-12.62	3	Vertical	62	1.19	-
2480MHz	Pass	PK	2.4798G	72.33	Inf	-Inf	3	Vertical	62	1.19	-
2480MHz	Pass	PK	2.496G	52.68	74.00	-21.32	3	Vertical	62	1.19	-
2480MHz	Pass	AV	2.48G	76.15	Inf	-Inf	3	Horizontal	0	1.99	-
2480MHz	Pass	AV	2.4962G	42.06	54.00	-11.94	3	Horizontal	0	1.99	-
2480MHz	Pass	PK	2.4802G	77.57	Inf	-Inf	3	Horizontal	0	1.99	-
2480MHz	Pass	PK	2.4958G	52.40	74.00	-21.60	3	Horizontal	0	1.99	-
2480MHz	Pass	AV	4.95997G	45.75	54.00	-8.25	3	Vertical	202	1.48	-
2480MHz	Pass	PK	4.96043G	53.23	74.00	-20.77	3	Vertical	202	1.48	-
2480MHz	Pass	AV	4.95991G	52.15	54.00	-1.85	3	Horizontal	348	1.55	-
2480MHz	Pass	PK	4.9604G	58.07	74.00	-15.93	3	Horizontal	348	1.55	-

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	2.3654G	40.02	54.00	-13.98	3	Vertical	64	1.54	-
2402MHz	Pass	AV	2.402G	60.21	Inf	-Inf	3	Vertical	64	1.54	-
2402MHz	Pass	PK	2.3788G	53.82	74.00	-20.18	3	Vertical	64	1.54	-
2402MHz	Pass	PK	2.4022G	62.83	Inf	-Inf	3	Vertical	64	1.54	-
2402MHz	Pass	AV	2.3894G	40.02	54.00	-13.98	3	Horizontal	357	2.08	-
2402MHz	Pass	AV	2.402G	65.71	Inf	-Inf	3	Horizontal	357	2.08	-
2402MHz	Pass	PK	2.3722G	52.51	74.00	-21.49	3	Horizontal	357	2.08	-
2402MHz	Pass	PK	2.4022G	67.64	Inf	-Inf	3	Horizontal	357	2.08	-
2402MHz	Pass	AV	4.80395G	50.17	54.00	-3.83	3	Vertical	208	1.38	-
2402MHz	Pass	PK	4.80346G	55.59	74.00	-18.41	3	Vertical	208	1.38	-
2402MHz	Pass	AV	4.80398G	53.68	54.00	-0.32	3	Horizontal	272	1.66	-
2402MHz	Pass	PK	4.80345G	58.48	74.00	-15.52	3	Horizontal	272	1.66	-
2440MHz	Pass	AV	2.3416G	40.09	54.00	-13.91	3	Vertical	61	1.50	-
2440MHz	Pass	AV	2.44G	61.81	Inf	-Inf	3	Vertical	61	1.50	-
2440MHz	Pass	AV	2.496G	40.79	54.00	-13.21	3	Vertical	61	1.50	-
2440MHz	Pass	PK	2.3844G	51.78	74.00	-22.22	3	Vertical	61	1.50	-
2440MHz	Pass	PK	2.4396G	64.10	Inf	-Inf	3	Vertical	61	1.50	-
2440MHz	Pass	PK	2.4976G	51.82	74.00	-22.18	3	Vertical	61	1.50	-
2440MHz	Pass	AV	2.3404G	40.10	54.00	-13.90	3	Horizontal	353	2.29	-
2440MHz	Pass	AV	2.44G	69.49	Inf	-Inf	3	Horizontal	353	2.29	-
2440MHz	Pass	AV	2.496G	42.32	54.00	-11.68	3	Horizontal	353	2.29	-
2440MHz	Pass	PK	2.3456G	52.87	74.00	-21.13	3	Horizontal	353	2.29	-
2440MHz	Pass	PK	2.4396G	71.04	Inf	-Inf	3	Horizontal	353	2.29	-
2440MHz	Pass	PK	2.4964G	52.44	74.00	-21.56	3	Horizontal	353	2.29	-
2440MHz	Pass	AV	4.87991G	46.07	54.00	-7.93	3	Vertical	204	1.51	-
2440MHz	Pass	PK	4.87955G	52.64	74.00	-21.36	3	Vertical	204	1.51	-
2440MHz	Pass	AV	4.87998G	51.38	54.00	-2.62	3	Horizontal	347	1.50	-
2440MHz	Pass	PK	4.88047G	56.82	74.00	-17.18	3	Horizontal	347	1.50	-
2480MHz	Pass	AV	2.48G	65.38	Inf	-Inf	3	Vertical	61	1.18	-
2480MHz	Pass	AV	2.496G	41.38	54.00	-12.62	3	Vertical	61	1.18	-
2480MHz	Pass	PK	2.48G	67.39	Inf	-Inf	3	Vertical	61	1.18	-
2480MHz	Pass	PK	2.4994G	52.66	74.00	-21.34	3	Vertical	61	1.18	-
2480MHz	Pass	AV	2.48G	72.28	Inf	-Inf	3	Horizontal	360	1.98	-
2480MHz	Pass	AV	2.496G	42.94	54.00	-11.06	3	Horizontal	360	1.98	-
2480MHz	Pass	PK	2.4798G	73.74	Inf	-Inf	3	Horizontal	360	1.98	-
2480MHz	Pass	PK	2.4854G	52.78	74.00	-21.22	3	Horizontal	360	1.98	-
2480MHz	Pass	AV	4.95996G	46.29	54.00	-7.71	3	Vertical	203	1.48	-
2480MHz	Pass	PK	4.96055G	53.13	74.00	-20.87	3	Vertical	203	1.48	-
2480MHz	Pass	AV	4.95996G	52.74	54.00	-1.26	3	Horizontal	347	1.55	-
2480MHz	Pass	PK	4.96051G	57.89	74.00	-16.11	3	Horizontal	347	1.55	-

BT-LE(1Mbps)

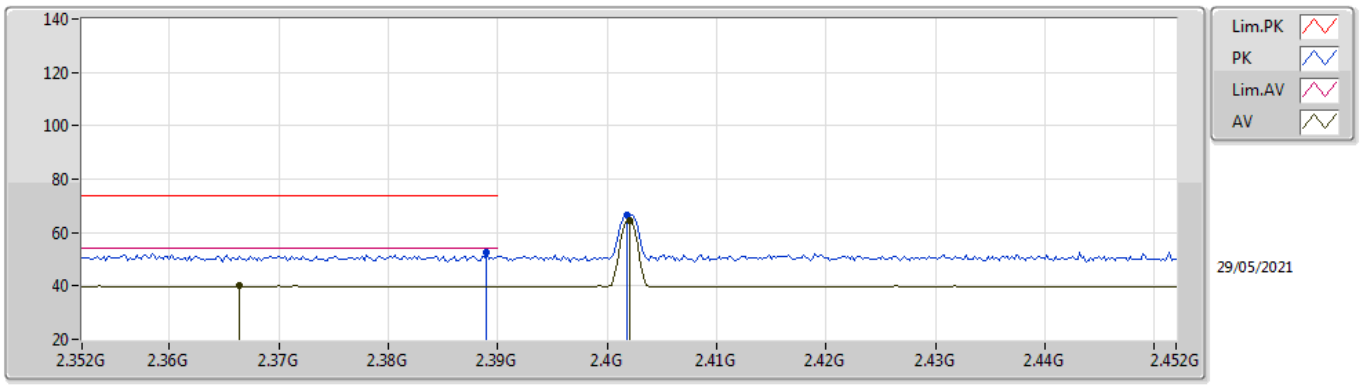
2402MHz_TX



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	2.352G	39.96	54.00	-14.04	0.64	3	Vertical	192	1.44	-	39.32	27.70	7.24	34.30
AV	2.402G	57.97	Inf	-Inf	0.53	3	Vertical	192	1.44	-	57.44	27.59	7.26	34.32
PK	2.3556G	52.63	74.00	-21.37	0.62	3	Vertical	192	1.44	-	52.01	27.69	7.24	34.31
PK	2.402G	61.07	Inf	-Inf	0.53	3	Vertical	192	1.44	-	60.54	27.59	7.26	34.32

BT-LE(1Mbps)

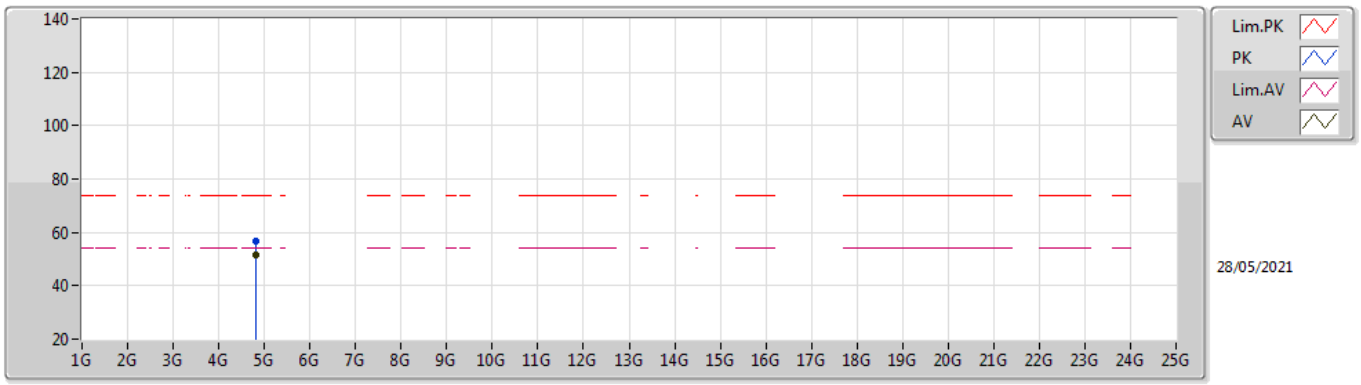
2402MHz_TX



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	2.3664G	39.97	54.00	-14.03	0.60	3	Horizontal	360	2.09	-	39.37	27.67	7.24	34.31
AV	2.402G	64.55	Inf	-Inf	0.53	3	Horizontal	360	2.09	-	64.02	27.59	7.26	34.32
PK	2.389G	52.72	74.00	-21.28	0.57	3	Horizontal	360	2.09	-	52.15	27.62	7.26	34.31
PK	2.4018G	66.54	Inf	-Inf	0.53	3	Horizontal	360	2.09	-	66.01	27.59	7.26	34.32

BT-LE(1Mbps)

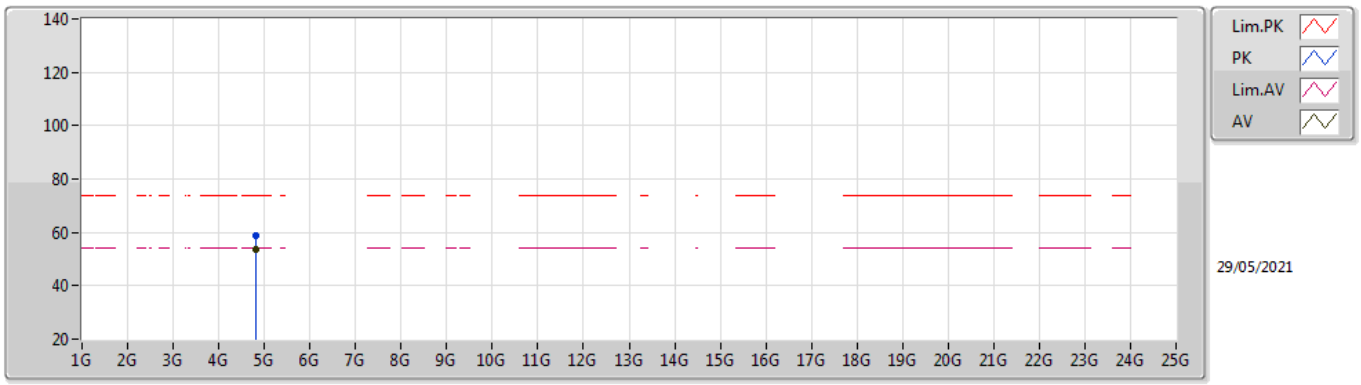
2402MHz_TX



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	4.80407G	51.62	54.00	-2.38	5.53	3	Vertical	209	1.50	-	46.09	30.92	8.90	34.29
PK	4.80344G	56.81	74.00	-17.19	5.52	3	Vertical	209	1.50	-	51.29	30.91	8.90	34.29

BT-LE(1Mbps)

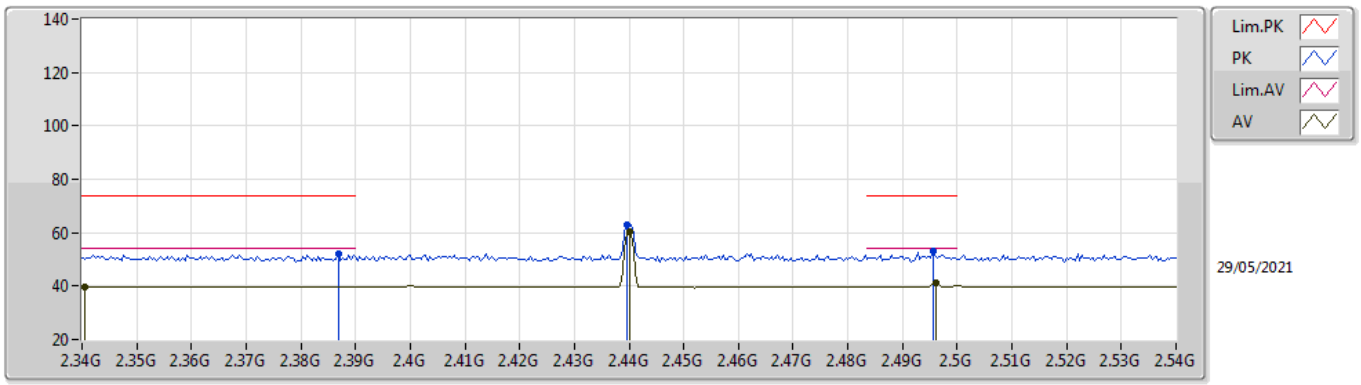
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.804G	53.71	54.00	-0.29	5.53	3	Horizontal	272	1.67	-	48.18	30.92	8.90	34.29
PK	4.80345G	58.63	74.00	-15.37	5.52	3	Horizontal	272	1.67	-	53.11	30.91	8.90	34.29

BT-LE(1Mbps)

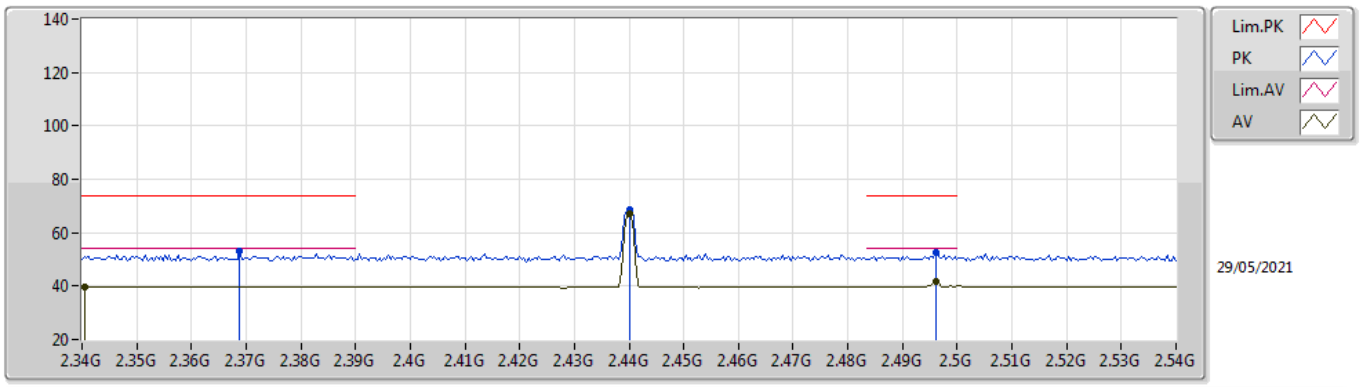
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3404G	39.91	54.00	-14.09	0.67	3	Vertical	63	1.77	-	39.24	27.74	7.23	34.30
AV	2.44G	60.29	Inf	-Inf	0.40	3	Vertical	63	1.77	-	59.89	27.44	7.29	34.33
AV	2.496G	41.04	54.00	-12.96	0.40	3	Vertical	63	1.77	-	40.64	27.40	7.34	34.34
PK	2.3868G	51.91	74.00	-22.09	0.57	3	Vertical	63	1.77	-	51.34	27.63	7.25	34.31
PK	2.4396G	63.06	Inf	-Inf	0.40	3	Vertical	63	1.77	-	62.66	27.44	7.29	34.33
PK	2.4956G	52.97	74.00	-21.03	0.40	3	Vertical	63	1.77	-	52.57	27.40	7.34	34.34

BT-LE(1Mbps)

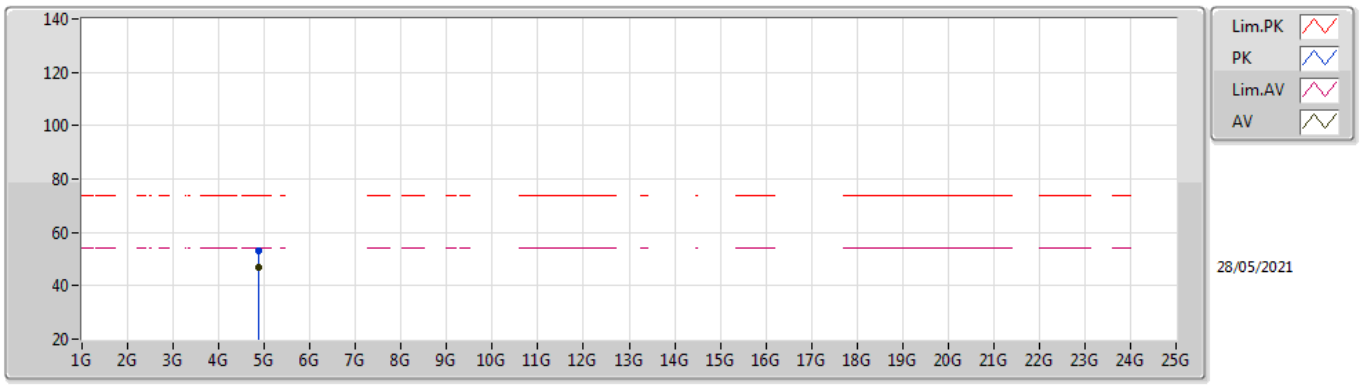
2440MHz_TX



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	2.3404G	39.91	54.00	-14.09	0.67	3	Horizontal	360	2.27	-	39.24	27.74	7.23	34.30
AV	2.44G	66.93	Inf	-Inf	0.40	3	Horizontal	360	2.27	-	66.53	27.44	7.29	34.33
AV	2.496G	41.87	54.00	-12.13	0.40	3	Horizontal	360	2.27	-	41.47	27.40	7.34	34.34
PK	2.3688G	52.88	74.00	-21.12	0.60	3	Horizontal	360	2.27	-	52.28	27.66	7.25	34.31
PK	2.44G	68.76	Inf	-Inf	0.40	3	Horizontal	360	2.27	-	68.36	27.44	7.29	34.33
PK	2.496G	52.37	74.00	-21.63	0.40	3	Horizontal	360	2.27	-	51.97	27.40	7.34	34.34

BT-LE(1Mbps)

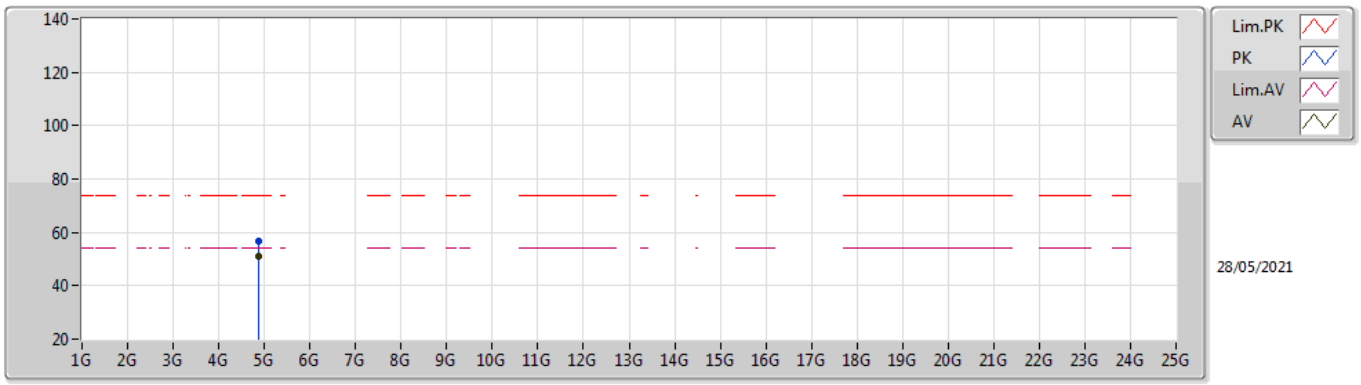
2440MHz_TX



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	46.71	54.00	-7.29	5.74	3	Vertical	205	1.50	-	40.97	31.04	8.96	34.26
PK	4.87945G	53.28	74.00	-20.72	5.74	3	Vertical	205	1.50	-	47.54	31.04	8.96	34.26

BT-LE(1Mbps)

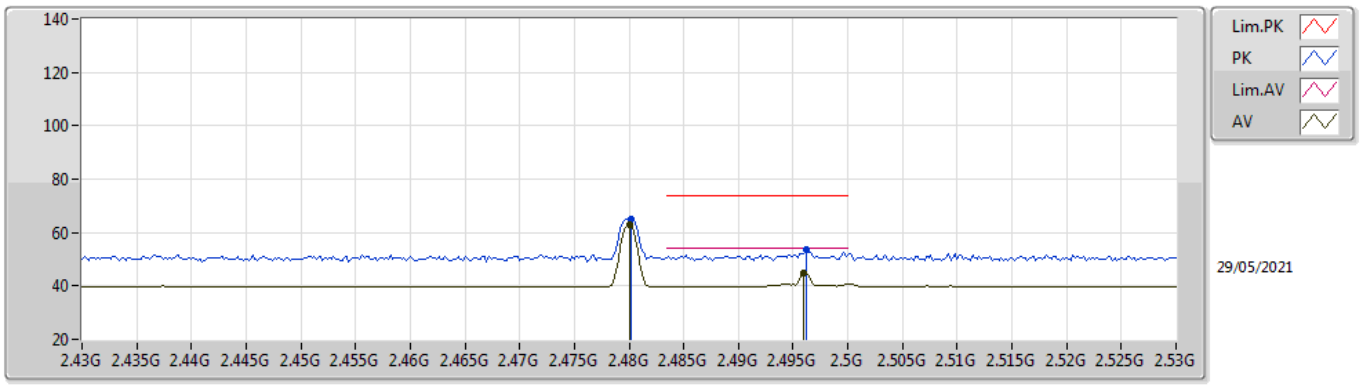
2440MHz_TX



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	4.87999G	51.15	54.00	-2.85	5.74	3	Horizontal	347	1.50	-	45.41	31.04	8.96	34.26
PK	4.88051G	56.69	74.00	-17.31	5.74	3	Horizontal	347	1.50	-	50.95	31.04	8.96	34.26

BT-LE(1Mbps)

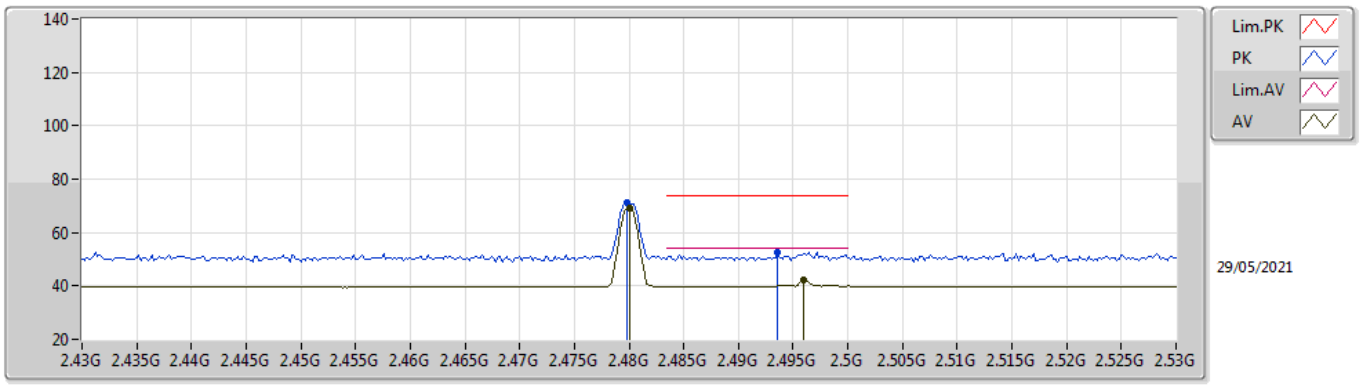
2480MHz_TX



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	62.75	Inf	-Inf	0.38	3	Vertical	26	1.00	-	62.37	27.40	7.32	34.34
AV	2.496G	44.66	54.00	-9.34	0.40	3	Vertical	26	1.00	-	44.26	27.40	7.34	34.34
PK	2.4802G	65.12	Inf	-Inf	0.38	3	Vertical	26	1.00	-	64.74	27.40	7.32	34.34
PK	2.4962G	53.47	74.00	-20.53	0.40	3	Vertical	26	1.00	-	53.07	27.40	7.34	34.34

BT-LE(1Mbps)

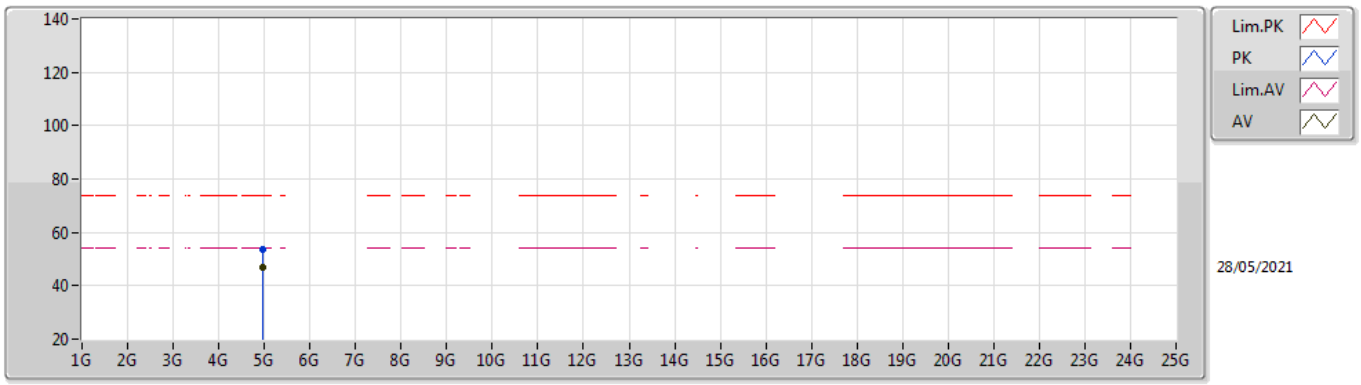
2480MHz_TX



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	69.35	Inf	-Inf	0.38	3	Horizontal	0	2.00	-	68.97	27.40	7.32	34.34
AV	2.496G	42.13	54.00	-11.87	0.40	3	Horizontal	0	2.00	-	41.73	27.40	7.34	34.34
PK	2.4798G	70.98	Inf	-Inf	0.38	3	Horizontal	0	2.00	-	70.60	27.40	7.32	34.34
PK	2.4936G	52.82	74.00	-21.18	0.39	3	Horizontal	0	2.00	-	52.43	27.40	7.33	34.34

BT-LE(1Mbps)

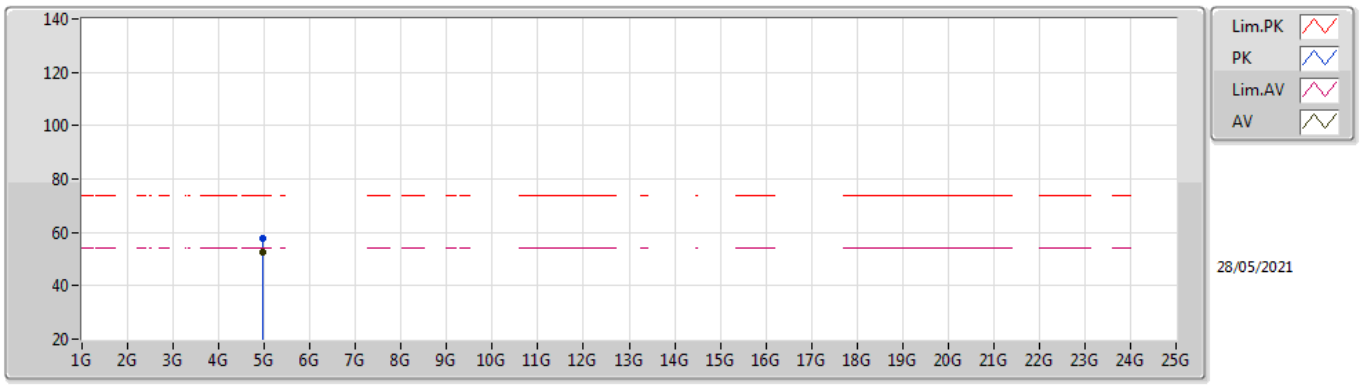
2480MHz_TX



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	46.79	54.00	-7.21	6.01	3	Vertical	204	1.46	-	40.78	31.22	9.02	34.23
PK	4.95955G	53.55	74.00	-20.45	6.01	3	Vertical	204	1.46	-	47.54	31.22	9.02	34.23

BT-LE(1Mbps)

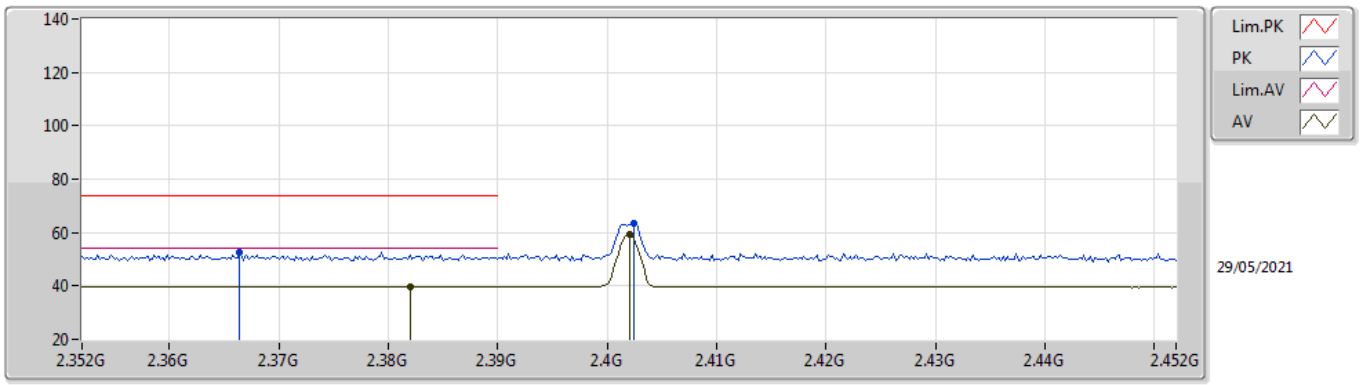
2480MHz_TX



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	4.96011G	52.55	54.00	-1.45	6.01	3	Horizontal	349	1.43	-	46.54	31.22	9.02	34.23
PK	4.95954G	57.57	74.00	-16.43	6.01	3	Horizontal	349	1.43	-	51.56	31.22	9.02	34.23

BT-LE(2Mbps)

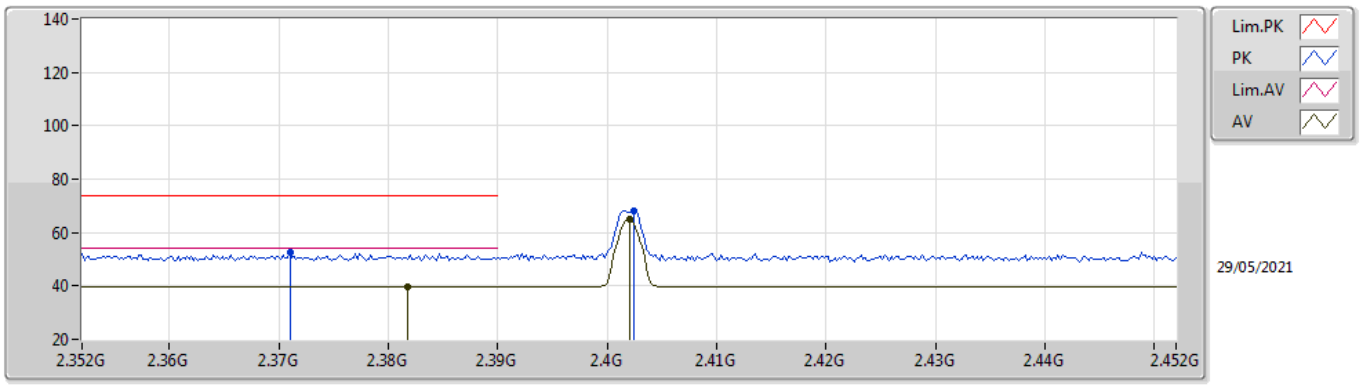
2402MHz_TX



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	2.382G	39.85	54.00	-14.15	0.58	3	Vertical	87	1.38	-	39.27	27.64	7.25	34.31
AV	2.402G	59.12	Inf	-Inf	0.53	3	Vertical	87	1.38	-	58.59	27.59	7.26	34.32
PK	2.3664G	52.50	74.00	-21.50	0.60	3	Vertical	87	1.38	-	51.90	27.67	7.24	34.31
PK	2.4024G	63.19	Inf	-Inf	0.53	3	Vertical	87	1.38	-	62.66	27.59	7.26	34.32

BT-LE(2Mbps)

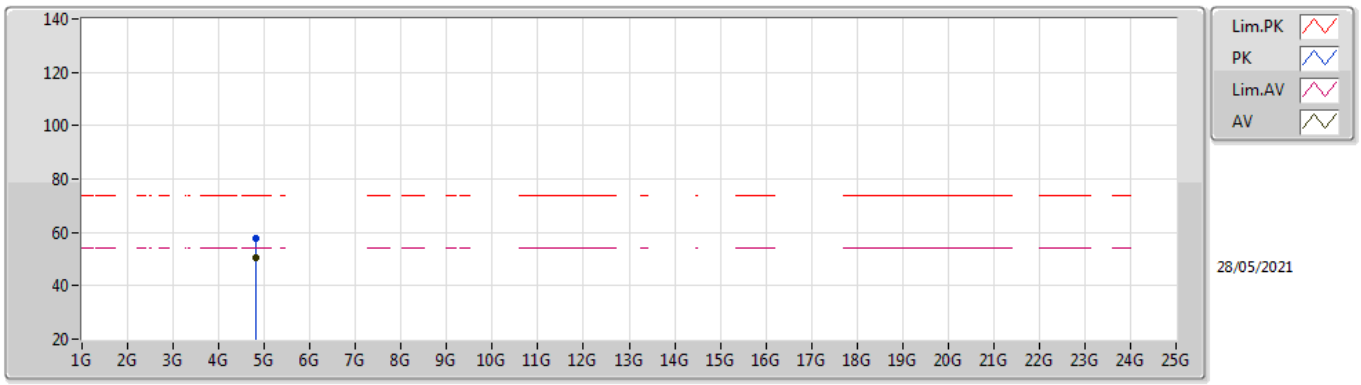
2402MHz_TX



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	2.3818G	39.85	54.00	-14.15	0.58	3	Horizontal	0	2.07	-	39.27	27.64	7.25	34.31
AV	2.402G	64.92	Inf	-Inf	0.53	3	Horizontal	0	2.07	-	64.39	27.59	7.26	34.32
PK	2.371G	52.76	74.00	-21.24	0.60	3	Horizontal	0	2.07	-	52.16	27.66	7.25	34.31
PK	2.4024G	68.15	Inf	-Inf	0.53	3	Horizontal	0	2.07	-	67.62	27.59	7.26	34.32

BT-LE(2Mbps)

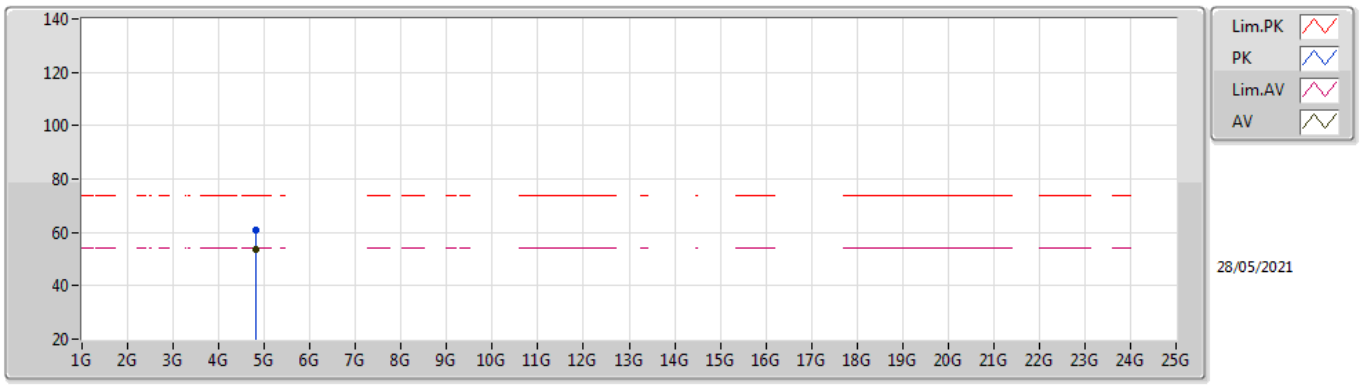
2402MHz_TX



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	4.80305G	50.43	54.00	-3.57	5.52	3	Vertical	206	1.36	-	44.91	30.91	8.90	34.29
PK	4.8029G	57.90	74.00	-16.10	5.52	3	Vertical	206	1.36	-	52.38	30.91	8.90	34.29

BT-LE(2Mbps)

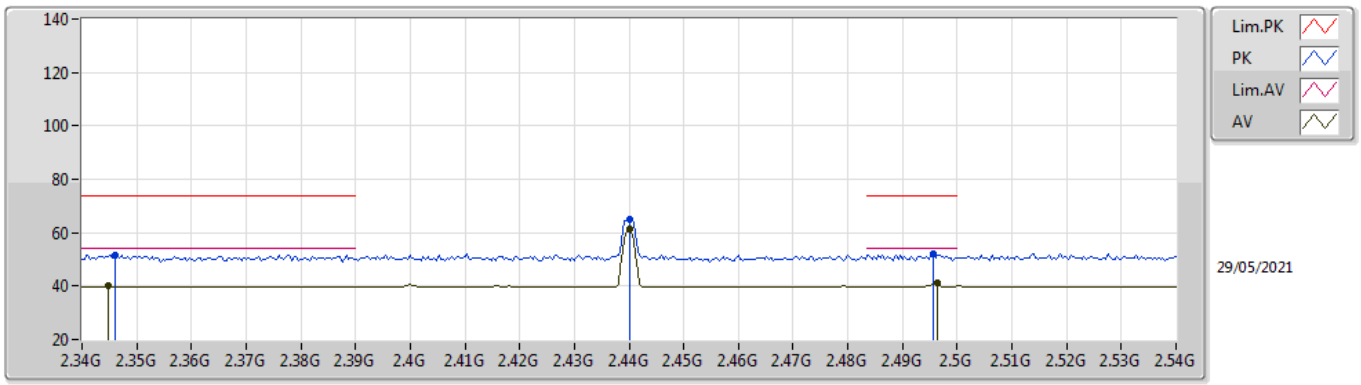
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80305G	53.57	54.00	-0.43	5.52	3	Horizontal	272	1.52	-	48.05	30.91	8.90	34.29
PK	4.80294G	60.79	74.00	-13.21	5.52	3	Horizontal	272	1.52	-	55.27	30.91	8.90	34.29

BT-LE(2Mbps)

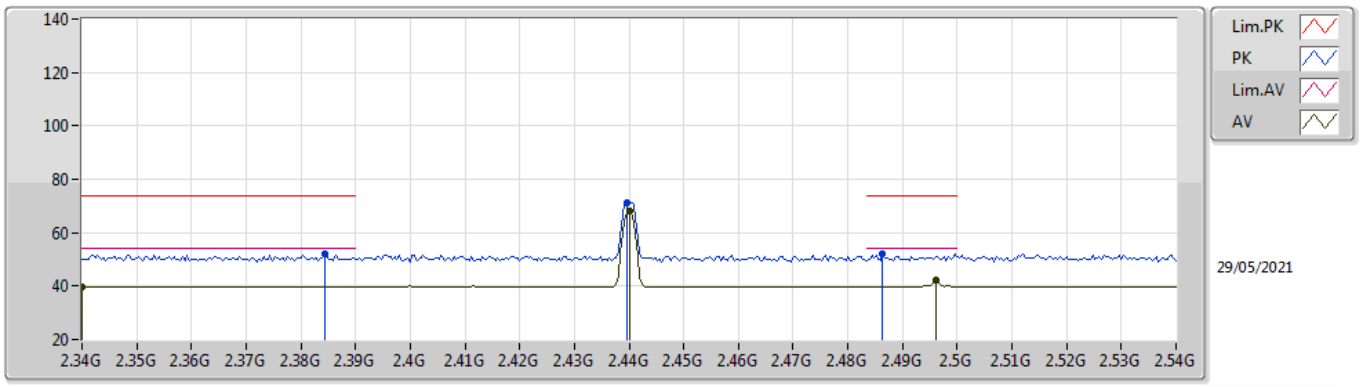
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3448G	40.03	54.00	-13.97	0.66	3	Vertical	63	1.78	-	39.37	27.72	7.24	34.30
AV	2.44G	61.28	Inf	-Inf	0.40	3	Vertical	63	1.78	-	60.88	27.44	7.29	34.33
AV	2.4964G	41.18	54.00	-12.82	0.40	3	Vertical	63	1.78	-	40.78	27.40	7.34	34.34
PK	2.346G	51.66	74.00	-22.34	0.66	3	Vertical	63	1.78	-	51.00	27.72	7.24	34.30
PK	2.44G	64.77	Inf	-Inf	0.40	3	Vertical	63	1.78	-	64.37	27.44	7.29	34.33
PK	2.4956G	52.01	74.00	-21.99	0.40	3	Vertical	63	1.78	-	51.61	27.40	7.34	34.34

BT-LE(2Mbps)

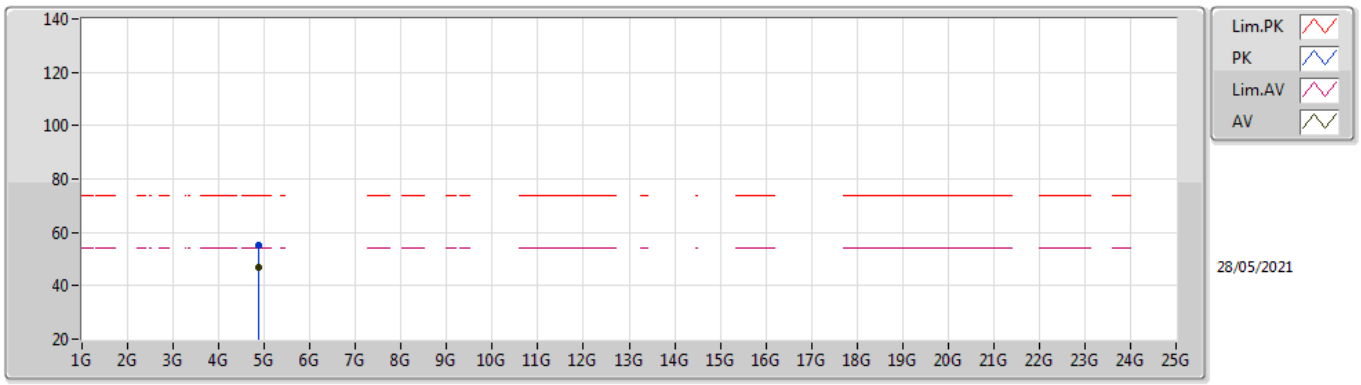
2440MHz_TX



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	2.34G	39.91	54.00	-14.09	0.67	3	Horizontal	355	2.26	-	39.24	27.74	7.23	34.30
AV	2.44G	68.18	Inf	-Inf	0.40	3	Horizontal	355	2.26	-	67.78	27.44	7.29	34.33
AV	2.496G	42.00	54.00	-12.00	0.40	3	Horizontal	355	2.26	-	41.60	27.40	7.34	34.34
PK	2.3844G	52.21	74.00	-21.79	0.57	3	Horizontal	355	2.26	-	51.64	27.63	7.25	34.31
PK	2.4396G	71.25	Inf	-Inf	0.40	3	Horizontal	355	2.26	-	70.85	27.44	7.29	34.33
PK	2.4864G	52.23	74.00	-21.77	0.39	3	Horizontal	355	2.26	-	51.84	27.40	7.33	34.34

BT-LE(2Mbps)

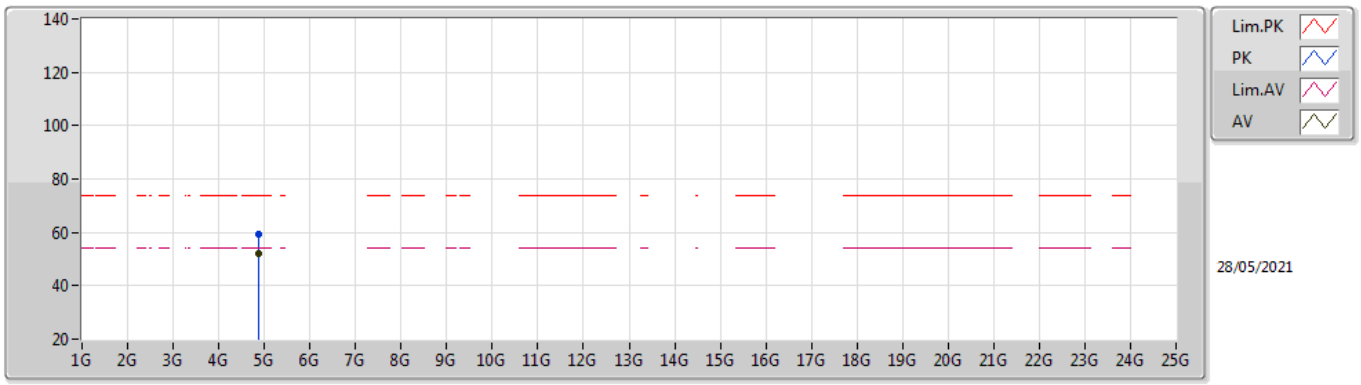
2440MHz_TX



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	4.87896G	47.02	54.00	-6.98	5.74	3	Vertical	204	1.49	-	41.28	31.04	8.96	34.26
PK	4.87893G	55.28	74.00	-18.72	5.74	3	Vertical	204	1.49	-	49.54	31.04	8.96	34.26

BT-LE(2Mbps)

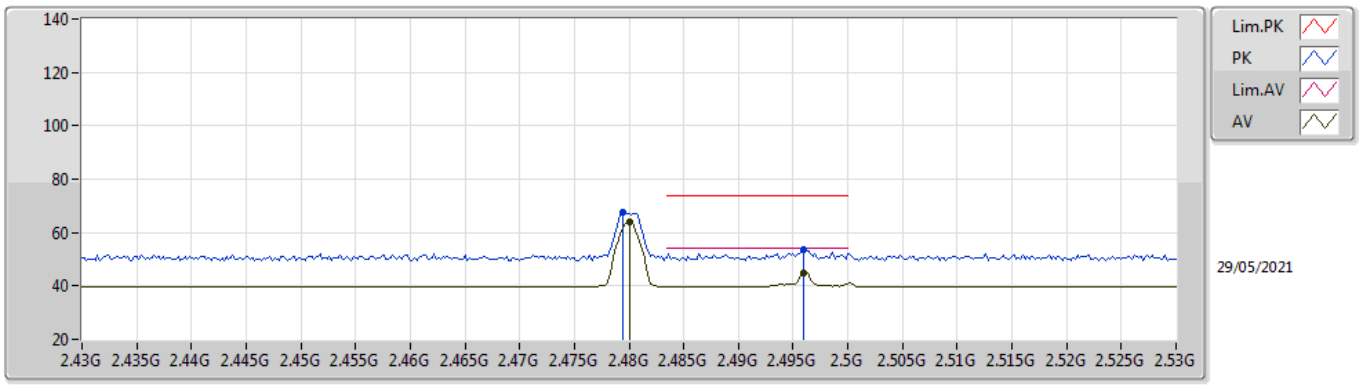
2440MHz_TX



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	4.87903G	51.83	54.00	-2.17	5.74	3	Horizontal	346	1.26	-	46.09	31.04	8.96	34.26
PK	4.87896G	59.44	74.00	-14.56	5.74	3	Horizontal	346	1.26	-	53.70	31.04	8.96	34.26

BT-LE(2Mbps)

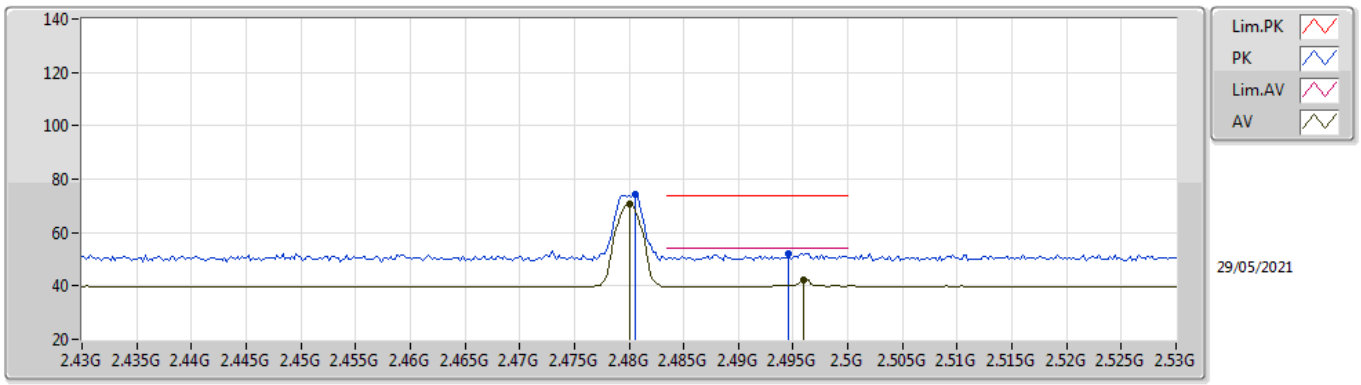
2480MHz_TX



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	63.87	Inf	-Inf	0.38	3	Vertical	26	1.00	-	63.49	27.40	7.32	34.34
AV	2.496G	45.03	54.00	-8.97	0.40	3	Vertical	26	1.00	-	44.63	27.40	7.34	34.34
PK	2.4794G	67.41	Inf	-Inf	0.38	3	Vertical	26	1.00	-	67.03	27.40	7.32	34.34
PK	2.496G	53.77	74.00	-20.23	0.40	3	Vertical	26	1.00	-	53.37	27.40	7.34	34.34

BT-LE(2Mbps)

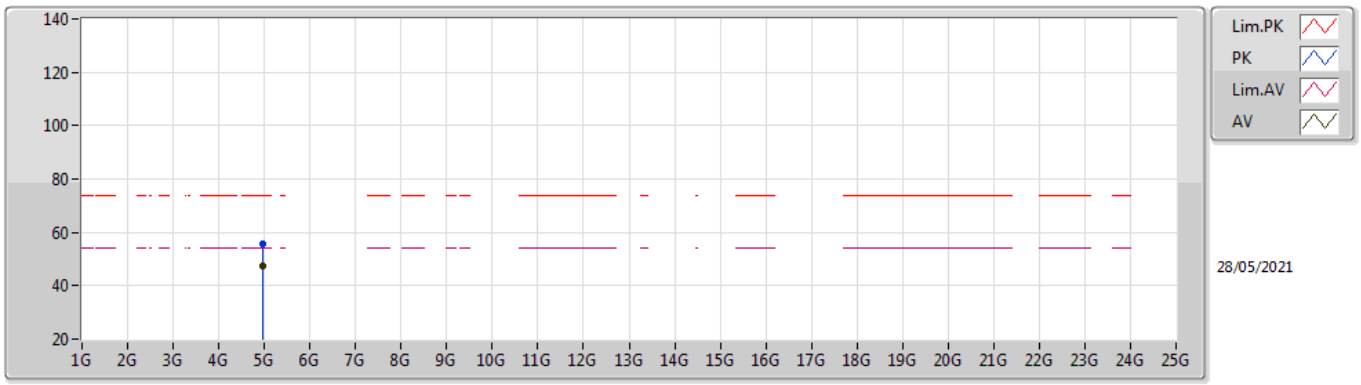
2480MHz_TX



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	70.90	Inf	-Inf	0.38	3	Horizontal	0	2.00	-	70.52	27.40	7.32	34.34
AV	2.496G	42.50	54.00	-11.50	0.40	3	Horizontal	0	2.00	-	42.10	27.40	7.34	34.34
PK	2.4806G	74.12	Inf	-Inf	0.38	3	Horizontal	0	2.00	-	73.74	27.40	7.32	34.34
PK	2.4946G	52.21	74.00	-21.79	0.40	3	Horizontal	0	2.00	-	51.81	27.40	7.34	34.34

BT-LE(2Mbps)

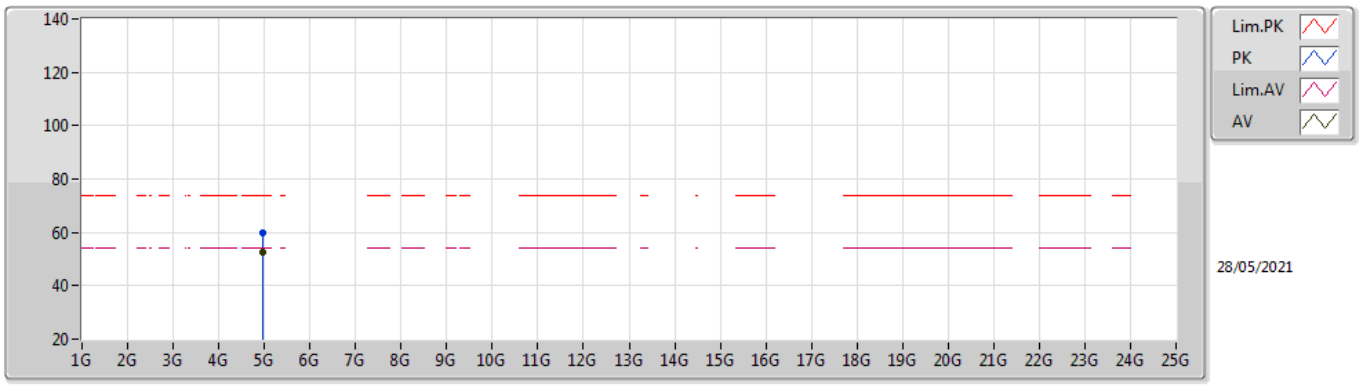
2480MHz_TX



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	4.96086G	47.43	54.00	-6.57	6.01	3	Vertical	203	1.46	-	41.42	31.22	9.02	34.23
PK	4.95899G	55.54	74.00	-18.46	6.01	3	Vertical	203	1.46	-	49.53	31.22	9.02	34.23

BT-LE(2Mbps)

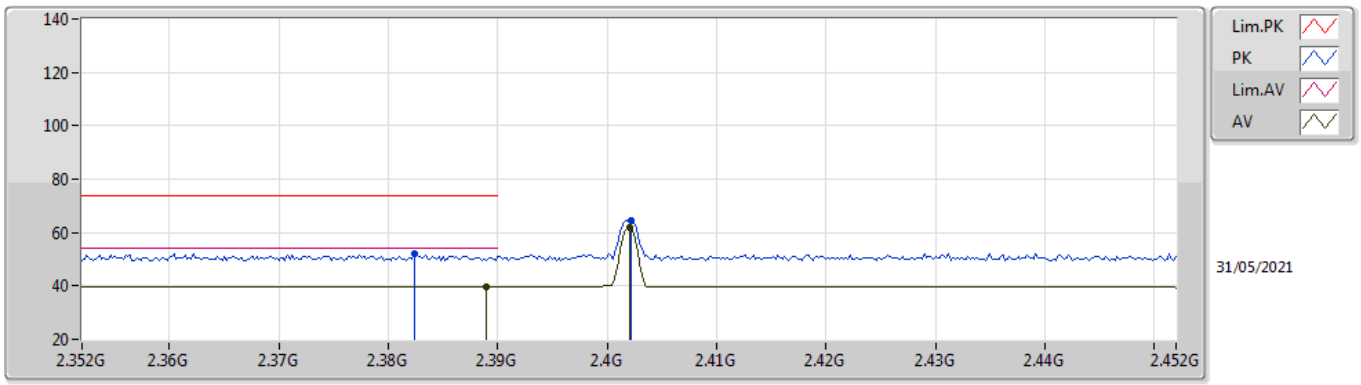
2480MHz_TX



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	4.96093G	52.57	54.00	-1.43	6.01	3	Horizontal	350	1.58	-	46.56	31.22	9.02	34.23
PK	4.96104G	59.74	74.00	-14.26	6.01	3	Horizontal	350	1.58	-	53.73	31.22	9.02	34.23

BT-LE(125kbps)

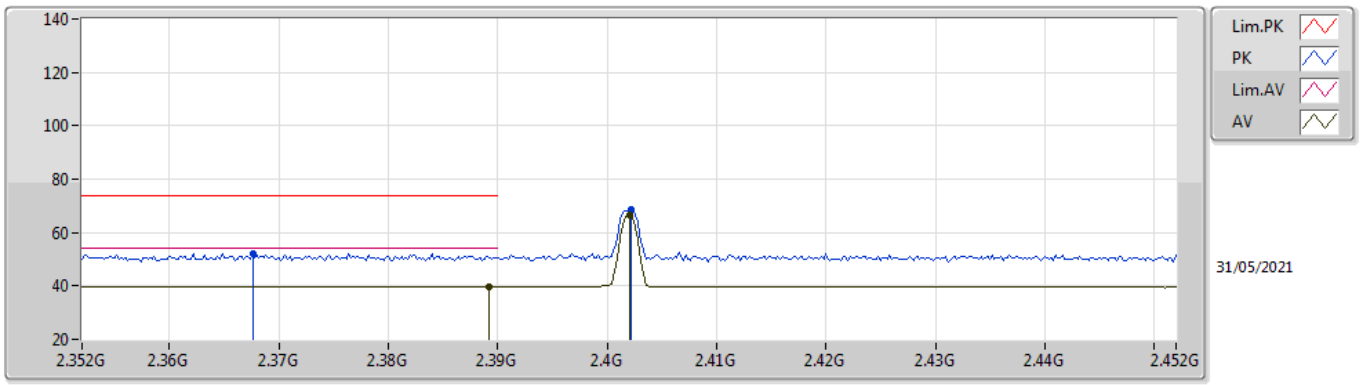
2402MHz_TX



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	2.389G	39.87	54.00	-14.13	0.57	3	Vertical	73	1.20	-	39.30	27.62	7.26	34.31
AV	2.402G	61.75	Inf	-Inf	0.53	3	Vertical	73	1.20	-	61.22	27.59	7.26	34.32
PK	2.3824G	51.97	74.00	-22.03	0.58	3	Vertical	73	1.20	-	51.39	27.64	7.25	34.31
PK	2.4022G	64.43	Inf	-Inf	0.53	3	Vertical	73	1.20	-	63.90	27.59	7.26	34.32

BT-LE(125kbps)

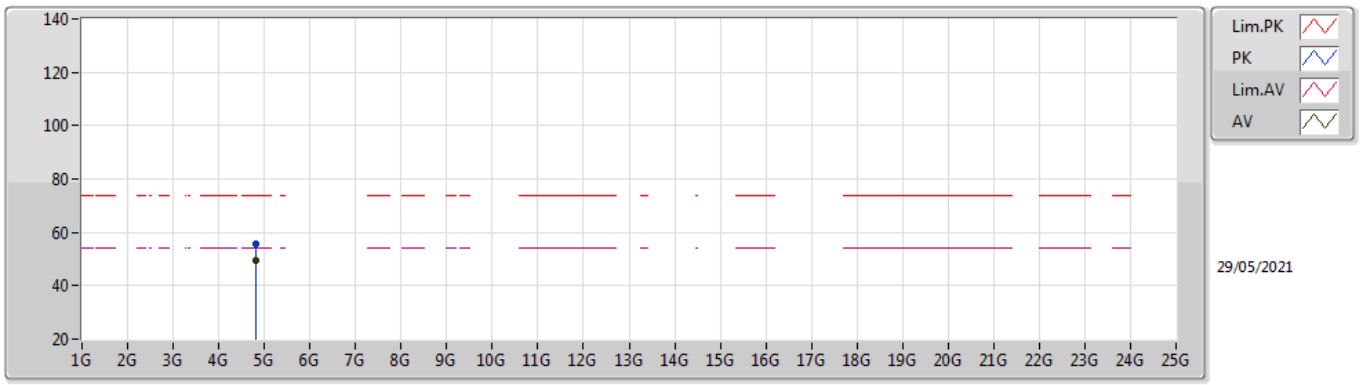
2402MHz_TX



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	2.3892G	39.87	54.00	-14.13	0.57	3	Horizontal	357	2.09	-	39.30	27.62	7.26	34.31
AV	2.402G	66.56	Inf	-Inf	0.53	3	Horizontal	357	2.09	-	66.03	27.59	7.26	34.32
PK	2.3676G	52.28	74.00	-21.72	0.60	3	Horizontal	357	2.09	-	51.68	27.66	7.25	34.31
PK	2.4022G	68.46	Inf	-Inf	0.53	3	Horizontal	357	2.09	-	67.93	27.59	7.26	34.32

BT-LE(125kbps)

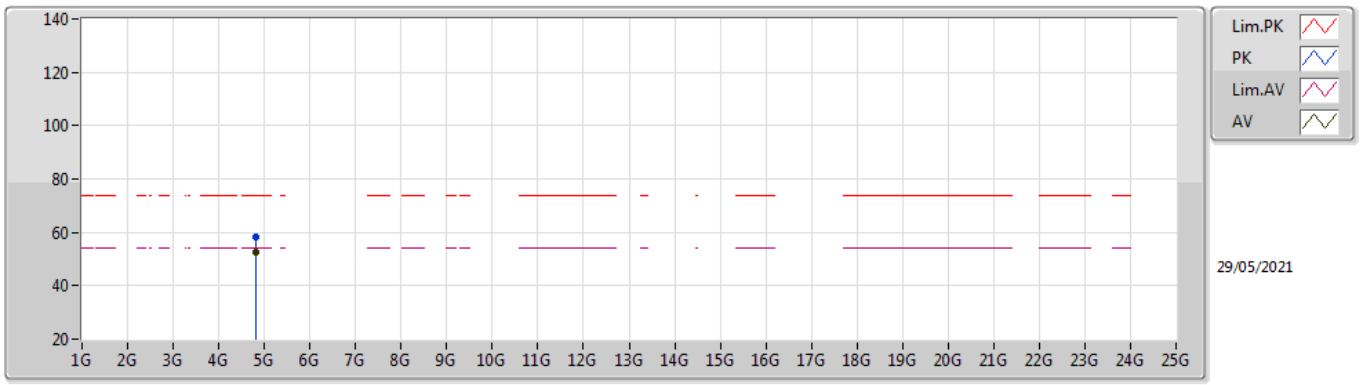
2402MHz_TX



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	4.80392G	49.68	54.00	-4.32	5.53	3	Vertical	207	1.50	-	44.15	30.92	8.90	34.29
PK	4.80346G	55.77	74.00	-18.23	5.52	3	Vertical	207	1.50	-	50.25	30.91	8.90	34.29

BT-LE(125kbps)

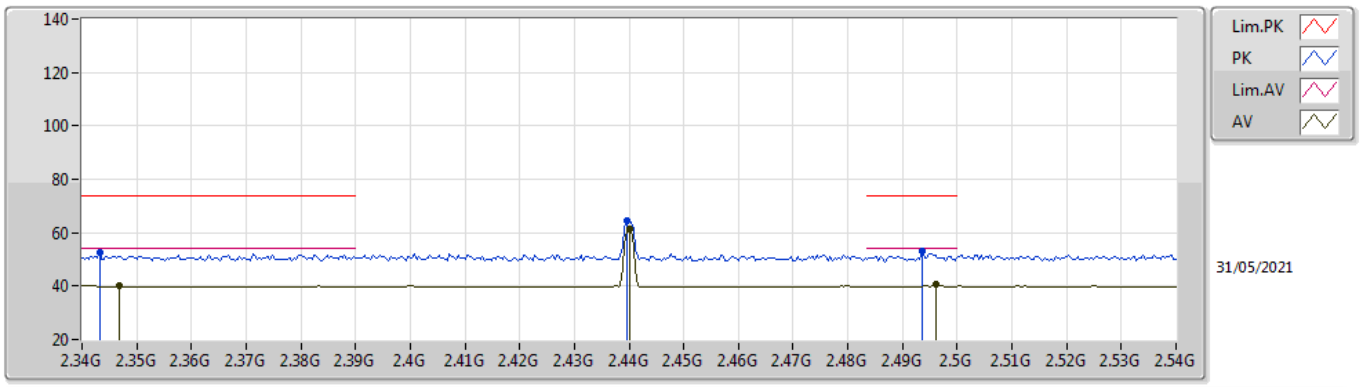
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80387G	52.79	54.00	-1.21	5.53	3	Horizontal	272	1.50	-	47.26	30.92	8.90	34.29
PK	4.80344G	58.26	74.00	-15.74	5.52	3	Horizontal	272	1.50	-	52.74	30.91	8.90	34.29

BT-LE(125kbps)

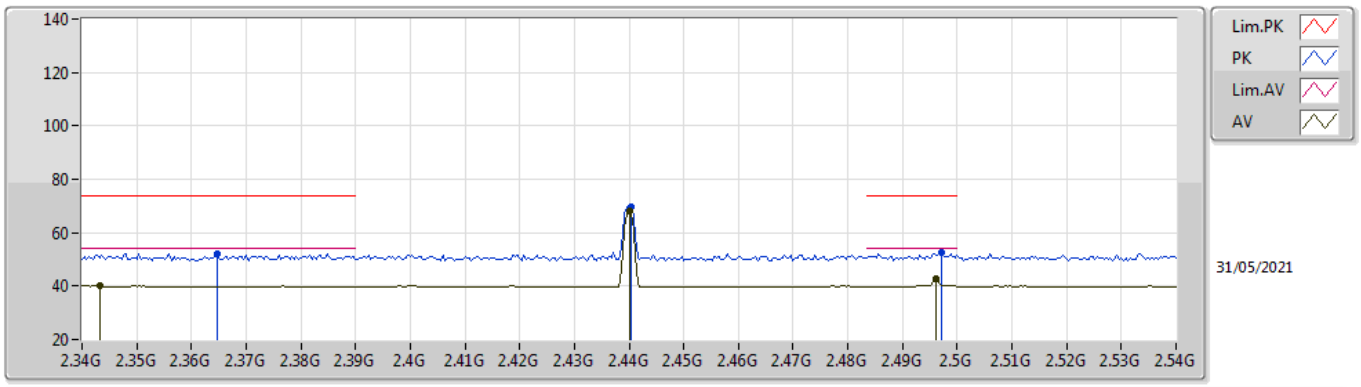
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3468G	40.04	54.00	-13.96	0.65	3	Vertical	61	1.50	-	39.39	27.71	7.24	34.30
AV	2.44G	61.59	Inf	-Inf	0.40	3	Vertical	61	1.50	-	61.19	27.44	7.29	34.33
AV	2.496G	40.79	54.00	-13.21	0.40	3	Vertical	61	1.50	-	40.39	27.40	7.34	34.34
PK	2.3432G	52.66	74.00	-21.34	0.66	3	Vertical	61	1.50	-	52.00	27.73	7.23	34.30
PK	2.4396G	64.46	Inf	-Inf	0.40	3	Vertical	61	1.50	-	64.06	27.44	7.29	34.33
PK	2.4936G	52.98	74.00	-21.02	0.39	3	Vertical	61	1.50	-	52.59	27.40	7.33	34.34

BT-LE(125kbps)

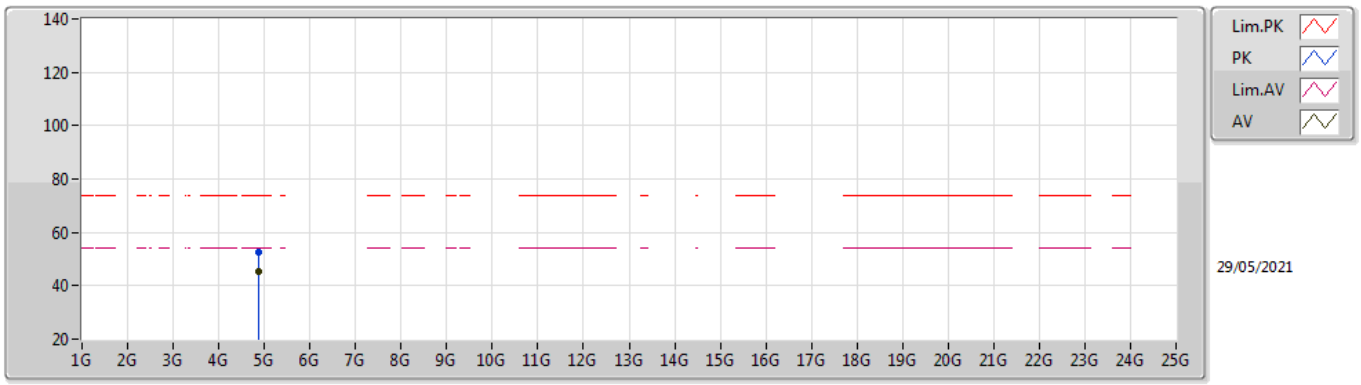
2440MHz_TX



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	2.3432G	40.07	54.00	-13.93	0.66	3	Horizontal	360	1.29	-	39.41	27.73	7.23	34.30
AV	2.44G	67.92	Inf	-Inf	0.40	3	Horizontal	360	1.29	-	67.52	27.44	7.29	34.33
AV	2.496G	42.94	54.00	-11.06	0.40	3	Horizontal	360	1.29	-	42.54	27.40	7.34	34.34
PK	2.3648G	52.10	74.00	-21.90	0.60	3	Horizontal	360	1.29	-	51.50	27.67	7.24	34.31
PK	2.4404G	69.85	Inf	-Inf	0.40	3	Horizontal	360	1.29	-	69.45	27.44	7.29	34.33
PK	2.4972G	52.48	74.00	-21.52	0.40	3	Horizontal	360	1.29	-	52.08	27.40	7.34	34.34

BT-LE(125kbps)

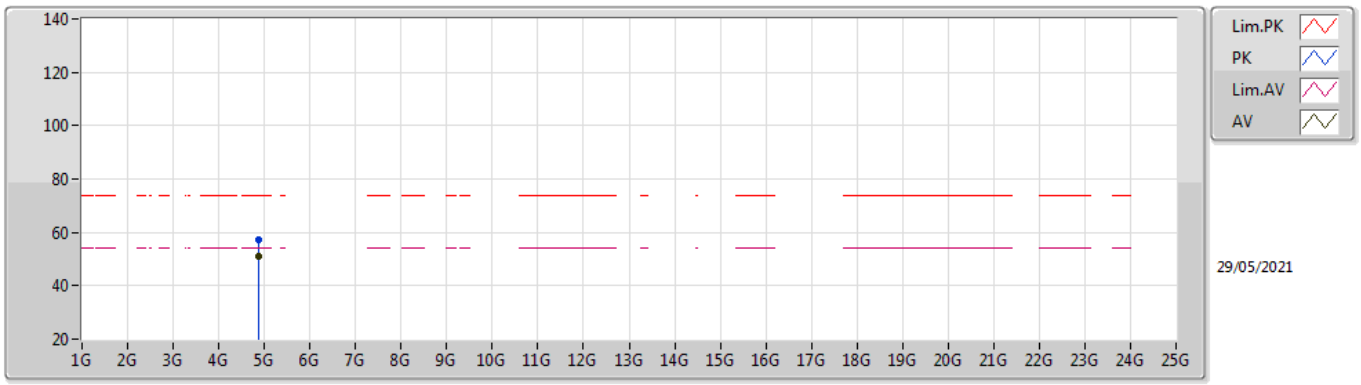
2440MHz_TX



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	4.87989G	45.19	54.00	-8.81	5.74	3	Vertical	206	1.50	-	39.45	31.04	8.96	34.26
PK	4.87935G	52.37	74.00	-21.63	5.74	3	Vertical	206	1.50	-	46.63	31.04	8.96	34.26

BT-LE(125kbps)

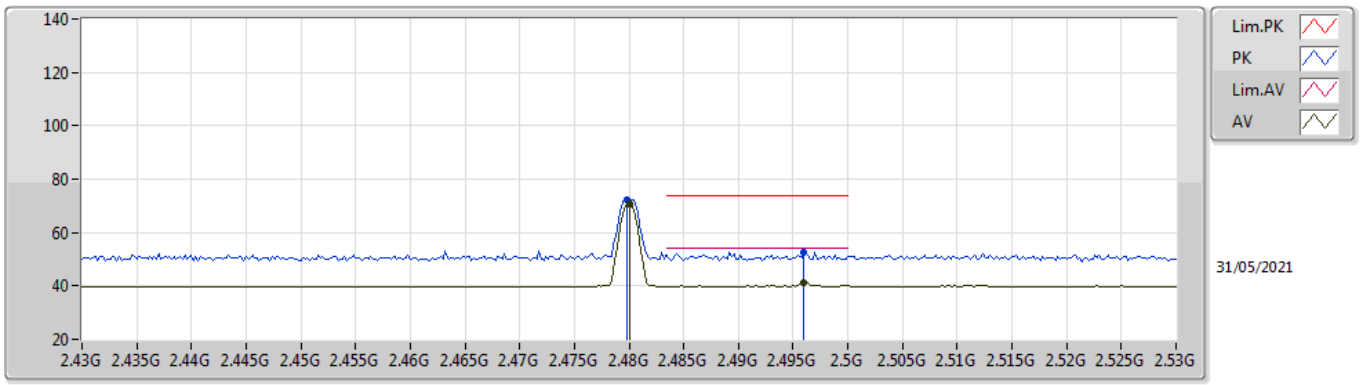
2440MHz_TX



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	4.87994G	50.91	54.00	-3.09	5.74	3	Horizontal	350	1.27	-	45.17	31.04	8.96	34.26
PK	4.88044G	57.09	74.00	-16.91	5.74	3	Horizontal	350	1.27	-	51.35	31.04	8.96	34.26

BT-LE(125kbps)

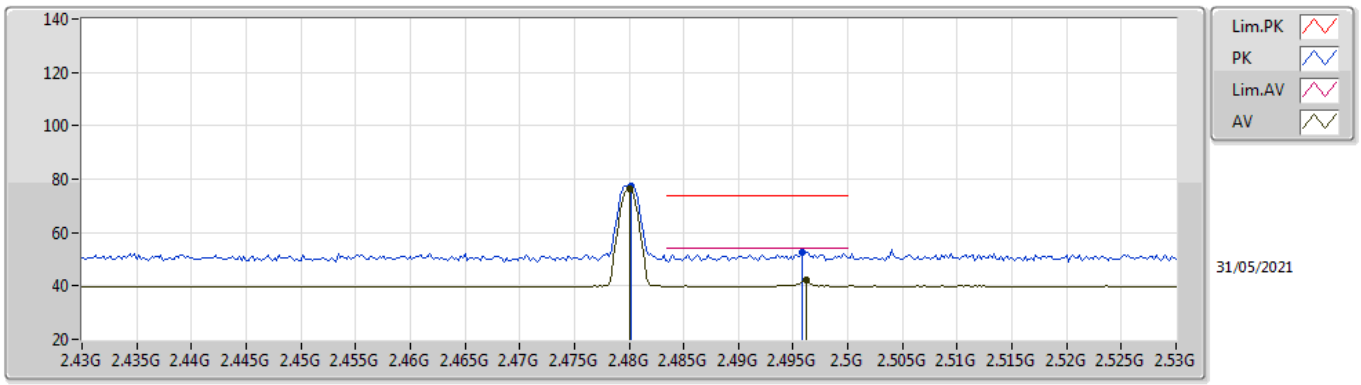
2480MHz_TX



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	70.64	Inf	-Inf	0.38	3	Vertical	62	1.19	-	70.26	27.40	7.32	34.34
AV	2.496G	41.38	54.00	-12.62	0.40	3	Vertical	62	1.19	-	40.98	27.40	7.34	34.34
PK	2.4798G	72.33	Inf	-Inf	0.38	3	Vertical	62	1.19	-	71.95	27.40	7.32	34.34
PK	2.496G	52.68	74.00	-21.32	0.40	3	Vertical	62	1.19	-	52.28	27.40	7.34	34.34

BT-LE(125kbps)

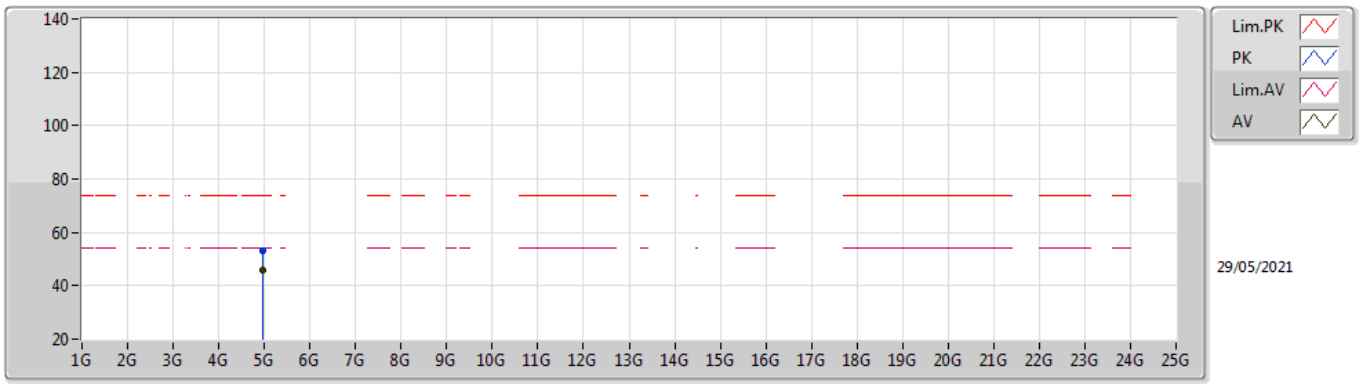
2480MHz_TX



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	76.15	Inf	-Inf	0.38	3	Horizontal	0	1.99	-	75.77	27.40	7.32	34.34
AV	2.4962G	42.06	54.00	-11.94	0.40	3	Horizontal	0	1.99	-	41.66	27.40	7.34	34.34
PK	2.4802G	77.57	Inf	-Inf	0.38	3	Horizontal	0	1.99	-	77.19	27.40	7.32	34.34
PK	2.4958G	52.40	74.00	-21.60	0.40	3	Horizontal	0	1.99	-	52.00	27.40	7.34	34.34

BT-LE(125kbps)

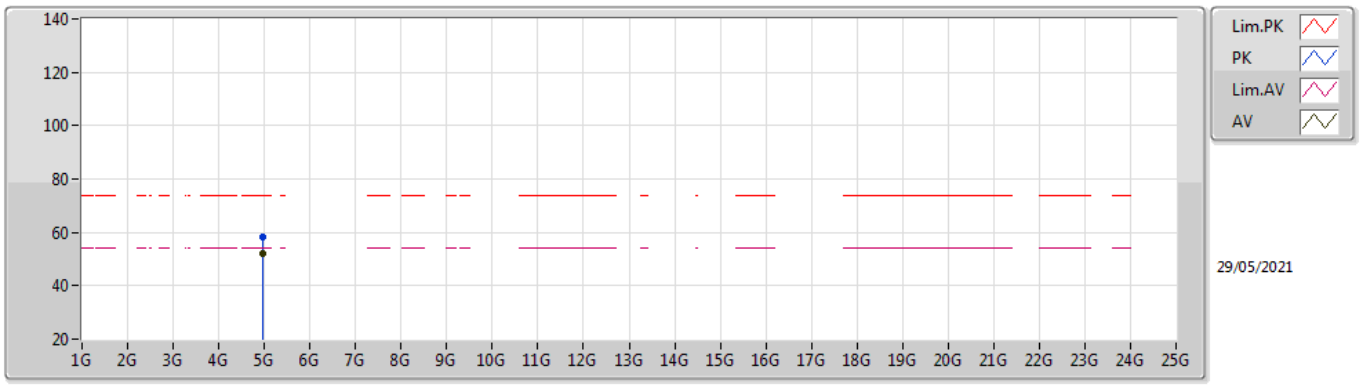
2480MHz_TX



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	4.95997G	45.75	54.00	-8.25	6.01	3	Vertical	202	1.48	-	39.74	31.22	9.02	34.23
PK	4.96043G	53.23	74.00	-20.77	6.01	3	Vertical	202	1.48	-	47.22	31.22	9.02	34.23

BT-LE(125kbps)

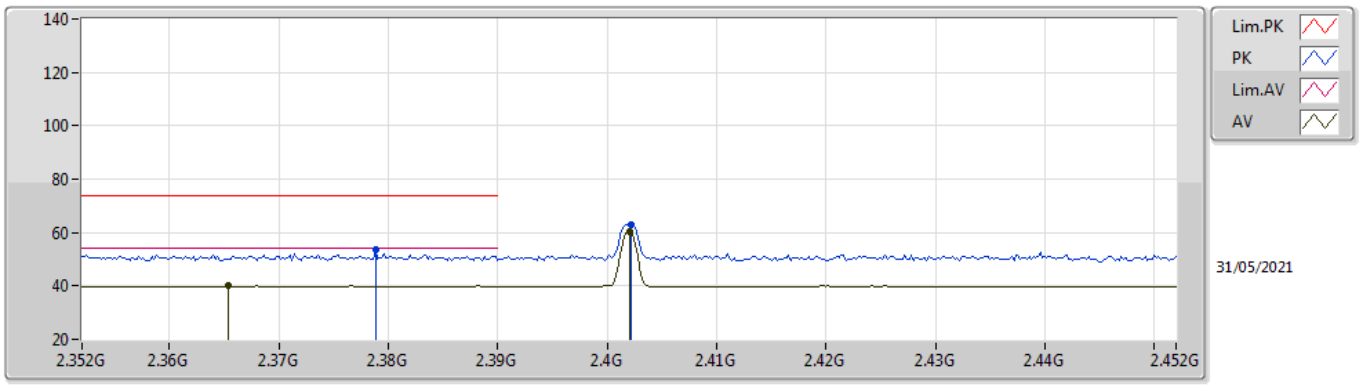
2480MHz_TX



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	4.95991G	52.15	54.00	-1.85	6.01	3	Horizontal	348	1.55	-	46.14	31.22	9.02	34.23
PK	4.9604G	58.07	74.00	-15.93	6.01	3	Horizontal	348	1.55	-	52.06	31.22	9.02	34.23

BT-LE(500kbps)

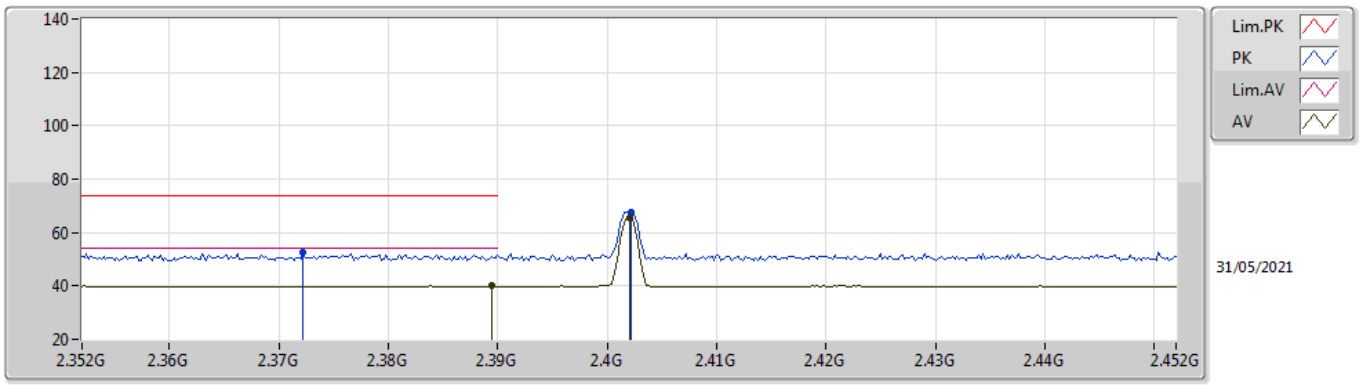
2402MHz_TX



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	2.3654G	40.02	54.00	-13.98	0.60	3	Vertical	64	1.54	-	39.42	27.67	7.24	34.31
AV	2.402G	60.21	Inf	-Inf	0.53	3	Vertical	64	1.54	-	59.68	27.59	7.26	34.32
PK	2.3788G	53.82	74.00	-20.18	0.58	3	Vertical	64	1.54	-	53.24	27.64	7.25	34.31
PK	2.4022G	62.83	Inf	-Inf	0.53	3	Vertical	64	1.54	-	62.30	27.59	7.26	34.32

BT-LE(500kbps)

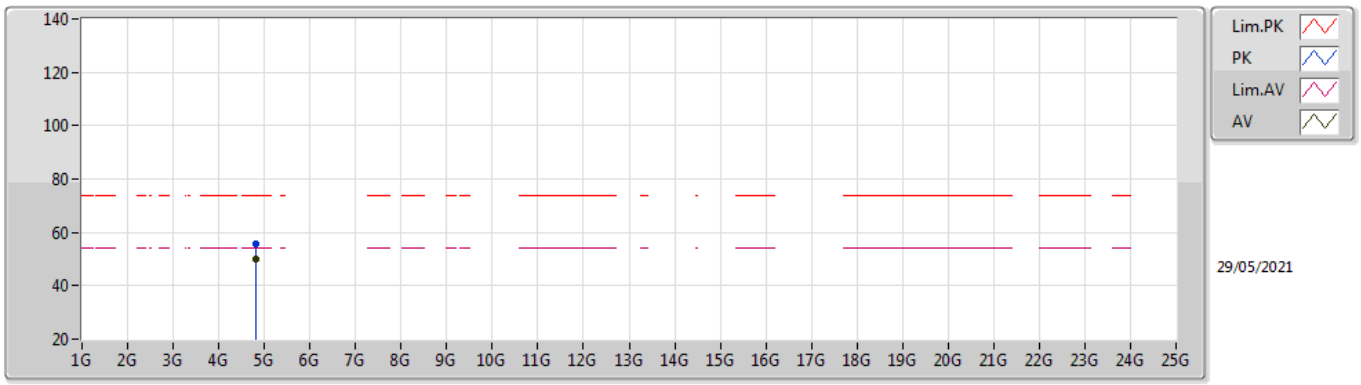
2402MHz_TX



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	2.3894G	40.02	54.00	-13.98	0.57	3	Horizontal	357	2.08	-	39.45	27.62	7.26	34.31
AV	2.402G	65.71	Inf	-Inf	0.53	3	Horizontal	357	2.08	-	65.18	27.59	7.26	34.32
PK	2.3722G	52.51	74.00	-21.49	0.60	3	Horizontal	357	2.08	-	51.91	27.66	7.25	34.31
PK	2.4022G	67.64	Inf	-Inf	0.53	3	Horizontal	357	2.08	-	67.11	27.59	7.26	34.32

BT-LE(500kbps)

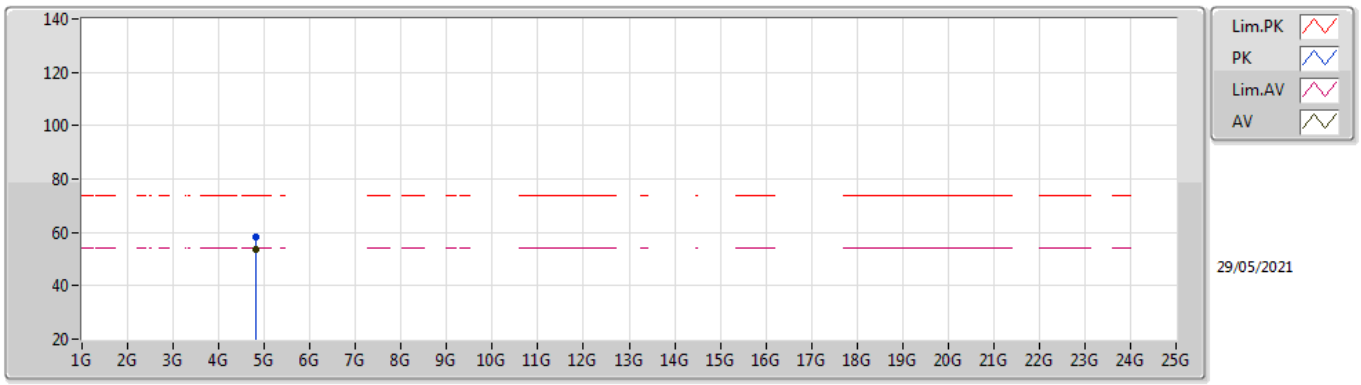
2402MHz_TX



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	50.17	54.00	-3.83	5.53	3	Vertical	208	1.38	-	44.64	30.92	8.90	34.29
PK	4.80346G	55.59	74.00	-18.41	5.52	3	Vertical	208	1.38	-	50.07	30.91	8.90	34.29

BT-LE(500kbps)

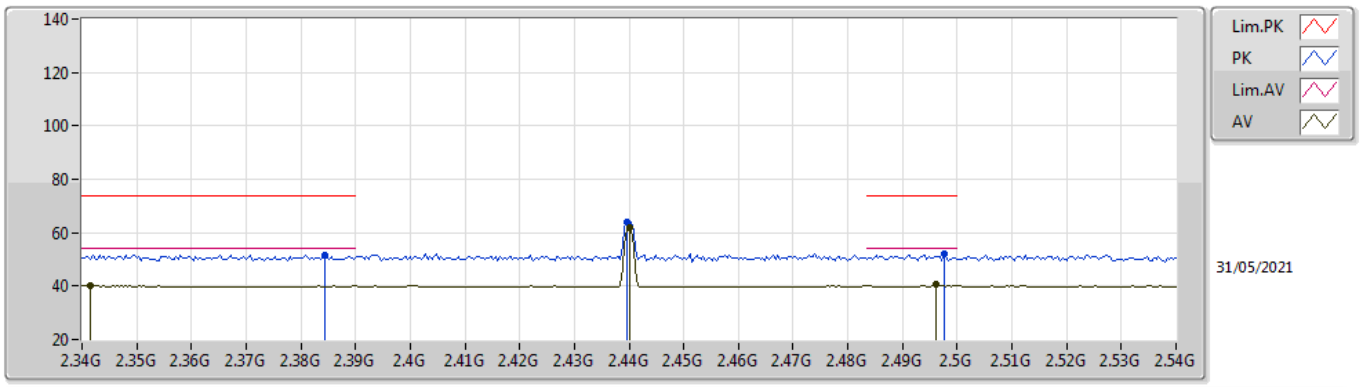
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80398G	53.68	54.00	-0.32	5.53	3	Horizontal	272	1.66	-	48.15	30.92	8.90	34.29
PK	4.80345G	58.48	74.00	-15.52	5.52	3	Horizontal	272	1.66	-	52.96	30.91	8.90	34.29

BT-LE(500kbps)

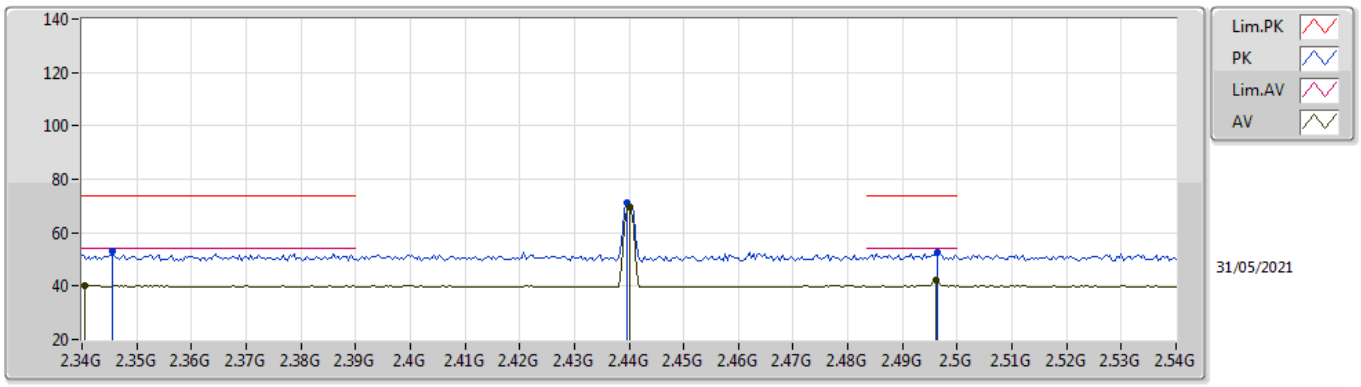
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3416G	40.09	54.00	-13.91	0.66	3	Vertical	61	1.50	-	39.43	27.73	7.23	34.30
AV	2.44G	61.81	Inf	-Inf	0.40	3	Vertical	61	1.50	-	61.41	27.44	7.29	34.33
AV	2.496G	40.79	54.00	-13.21	0.40	3	Vertical	61	1.50	-	40.39	27.40	7.34	34.34
PK	2.3844G	51.78	74.00	-22.22	0.57	3	Vertical	61	1.50	-	51.21	27.63	7.25	34.31
PK	2.4396G	64.10	Inf	-Inf	0.40	3	Vertical	61	1.50	-	63.70	27.44	7.29	34.33
PK	2.4976G	51.82	74.00	-22.18	0.40	3	Vertical	61	1.50	-	51.42	27.40	7.34	34.34

BT-LE(500kbps)

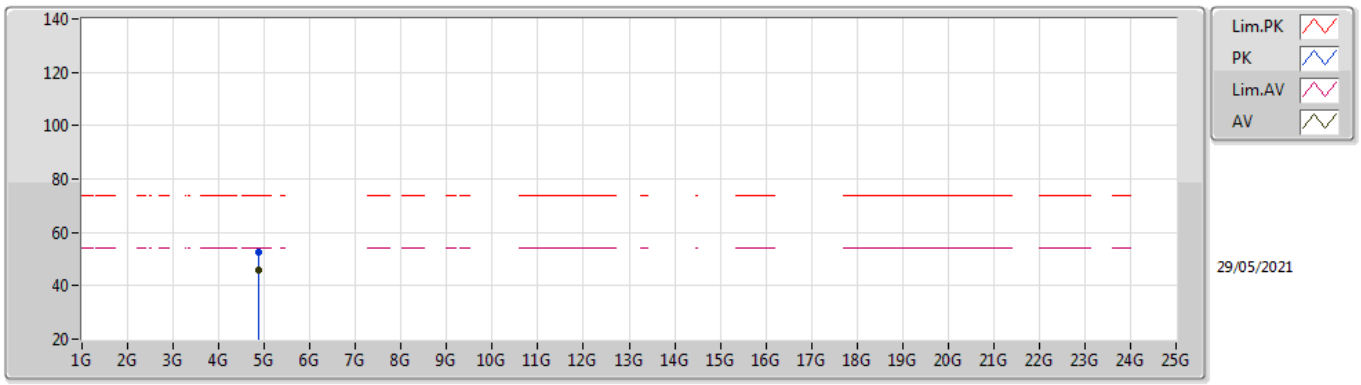
2440MHz_TX



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	2.3404G	40.10	54.00	-13.90	0.67	3	Horizontal	353	2.29	-	39.43	27.74	7.23	34.30
AV	2.44G	69.49	Inf	-Inf	0.40	3	Horizontal	353	2.29	-	69.09	27.44	7.29	34.33
AV	2.496G	42.32	54.00	-11.68	0.40	3	Horizontal	353	2.29	-	41.92	27.40	7.34	34.34
PK	2.3456G	52.87	74.00	-21.13	0.66	3	Horizontal	353	2.29	-	52.21	27.72	7.24	34.30
PK	2.4396G	71.04	Inf	-Inf	0.40	3	Horizontal	353	2.29	-	70.64	27.44	7.29	34.33
PK	2.4964G	52.44	74.00	-21.56	0.40	3	Horizontal	353	2.29	-	52.04	27.40	7.34	34.34

BT-LE(500kbps)

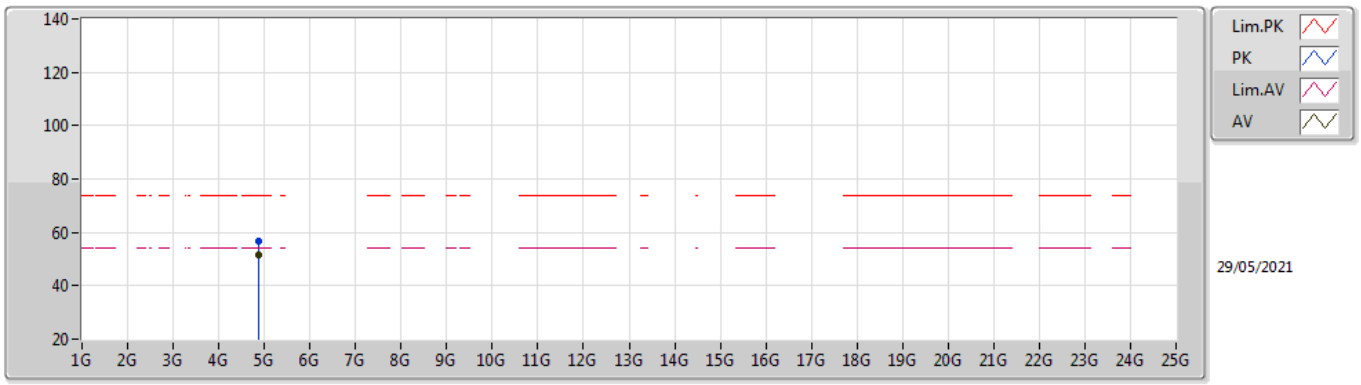
2440MHz_TX



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	4.87991G	46.07	54.00	-7.93	5.74	3	Vertical	204	1.51	-	40.33	31.04	8.96	34.26
PK	4.87955G	52.64	74.00	-21.36	5.74	3	Vertical	204	1.51	-	46.90	31.04	8.96	34.26

BT-LE(500kbps)

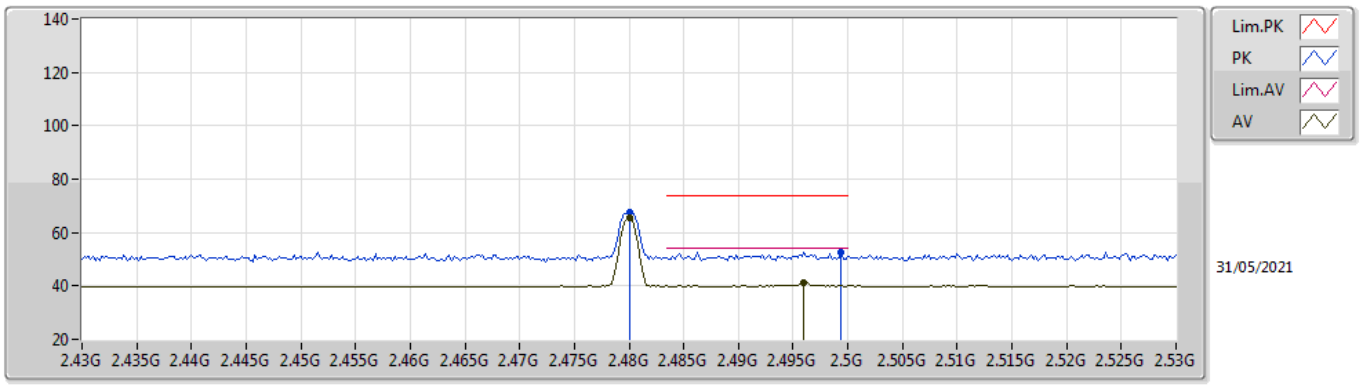
2440MHz_TX



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	51.38	54.00	-2.62	5.74	3	Horizontal	347	1.50	-	45.64	31.04	8.96	34.26
PK	4.88047G	56.82	74.00	-17.18	5.74	3	Horizontal	347	1.50	-	51.08	31.04	8.96	34.26

BT-LE(500kbps)

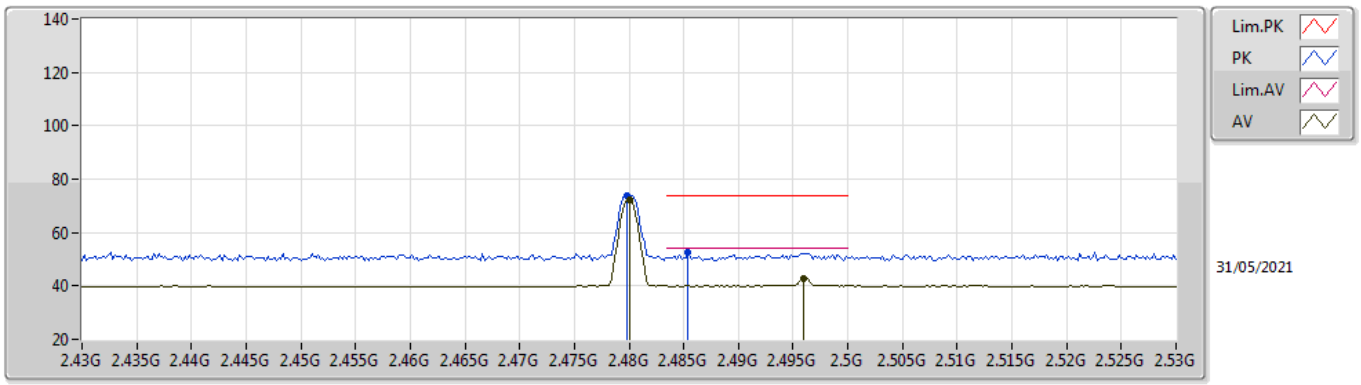
2480MHz_TX



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	65.38	Inf	-Inf	0.38	3	Vertical	61	1.18	-	65.00	27.40	7.32	34.34
AV	2.496G	41.38	54.00	-12.62	0.40	3	Vertical	61	1.18	-	40.98	27.40	7.34	34.34
PK	2.48G	67.39	Inf	-Inf	0.38	3	Vertical	61	1.18	-	67.01	27.40	7.32	34.34
PK	2.4994G	52.66	74.00	-21.34	0.40	3	Vertical	61	1.18	-	52.26	27.40	7.34	34.34

BT-LE(500kbps)

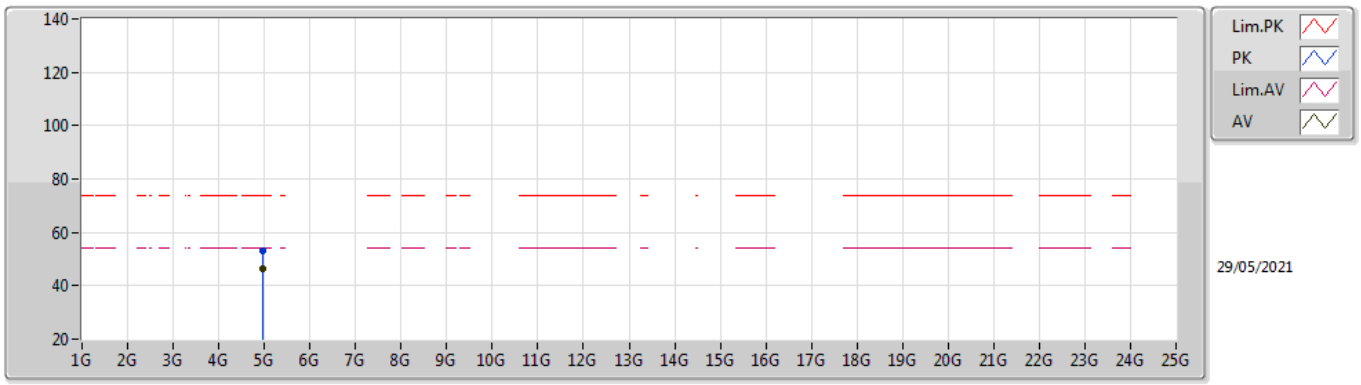
2480MHz_TX



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	72.28	Inf	-Inf	0.38	3	Horizontal	360	1.98	-	71.90	27.40	7.32	34.34
AV	2.496G	42.94	54.00	-11.06	0.40	3	Horizontal	360	1.98	-	42.54	27.40	7.34	34.34
PK	2.4798G	73.74	Inf	-Inf	0.38	3	Horizontal	360	1.98	-	73.36	27.40	7.32	34.34
PK	2.4854G	52.78	74.00	-21.22	0.39	3	Horizontal	360	1.98	-	52.39	27.40	7.33	34.34

BT-LE(500kbps)

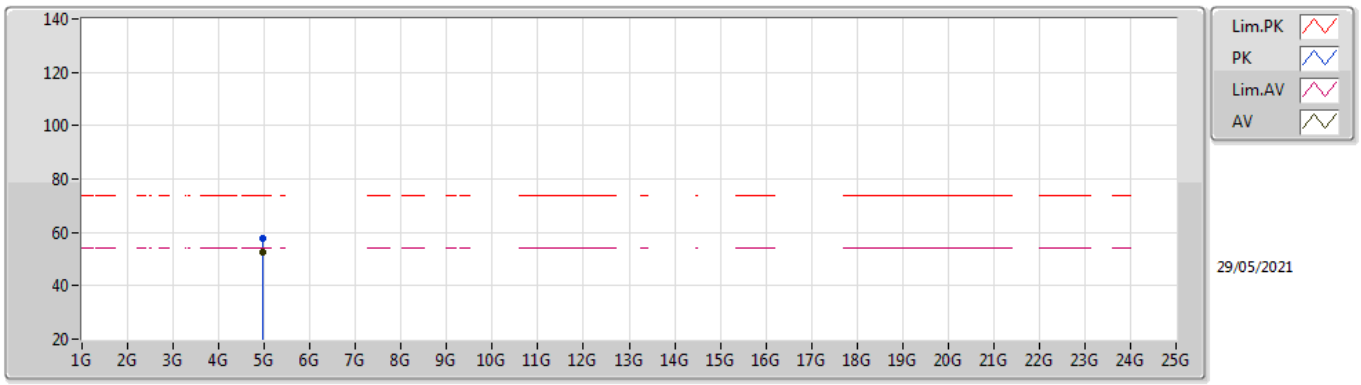
2480MHz_TX



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	4.95996G	46.29	54.00	-7.71	6.01	3	Vertical	203	1.48	-	40.28	31.22	9.02	34.23
PK	4.96055G	53.13	74.00	-20.87	6.01	3	Vertical	203	1.48	-	47.12	31.22	9.02	34.23

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	4.95996G	52.74	54.00	-1.26	6.01	3	Horizontal	347	1.55	-	46.73	31.22	9.02	34.23
PK	4.96051G	57.89	74.00	-16.11	6.01	3	Horizontal	347	1.55	-	51.88	31.22	9.02	34.23