

FCC Radio Test Report

FCC ID : TOR-C330
Equipment : Wireless Access Point
Brand Name : Arista
Model Name : C-330, C-330E
Applicant : Arista Networks, Inc.
5453 Great America Parkway,
Santa Clara, CA 95054 USA
Manufacturer : Arista Networks, Inc.
5453 Great America Parkway,
Santa Clara, CA 95054 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Dec. 16, 2022, and testing was started from Dec. 26, 2022 and completed on Jan. 12, 2023. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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History of this test report

[illegible]

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: Ryan Hsiao

Report Producer: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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

1.1.2 Antenna Information

C-330

Ant.	Brand	Model Name	Antenna Type	Connector	Remark
1	WHAYU	C393-510223-A	PIFA	I-PEX	Radio 3_2.4G+5G+6G
2	WHAYU	C393-510223-A	PIFA	I-PEX	Radio 1_2.4G+Radio 0_5G
3	WHAYU	C393-510223-A	PIFA	I-PEX	Radio 3_2.4G+5G+6G
4	WHAYU	C393-510223-A	PIFA	I-PEX	Radio 1_2.4G+ Radio 0_5G
5	WHAYU	C393-510223-A	PIFA	I-PEX	Radio 2_6G
6	WHAYU	C393-510223-A	PIFA	I-PEX	Radio 2_6G
7	WHAYU	C393-510223-A	Dipole	I-PEX	Radio 4_BT

Ant.	Gain (dBi)						
	Radio 0	Radio 1	Radio 2	Radio 3			Radio 4
	5G	2.4G	6G	2.4G	5G	6G	BT
1	-	-	-	4.7	6.4	6.3	-
2	2.48	1.31	-	-	-	-	-
3	-	-	-	4.2	6.4	6.1	-
4	4.29	1.14	-	-	-	-	-
5	-	-	5.79	-	-	-	-
6	-	-	5.88	-	-	-	-
7	-	-	-	-	-	-	4.6

Composite Gain (dBi)									
	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	6.175G	6.475G	6.695G	6.995G
DG [1SS]	2.43	4.5	3.9	3.82	4.72	6.06	5.38	6.58	6.18
DG [2SS]	1.31	4.29	3.18	3.16	3.09	5.88	5.1	5.81	5.86

Note 1: The EUT has seven antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n/ax mode (2TX/2RX) (Radio 1)

Ant. 2 and Ant. 4 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/ax mode (2TX/2RX) (Radio 3)

Ant. 1 and Ant. 3 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (2TX/2RX) (Radio 0)

Ant. 2 and Ant. 4 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax mode (2TX/2RX) (Radio 3)

Ant. 1 and Ant. 3 could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX) (Radio 4)

Ant. 7 could transmit/receive.

For 6GHz function:

For IEEE 802.11 ax mode (2TX/2RX) (Radio 2)

Ant. 5 and Ant. 6 could transmit/receive simultaneously.

For IEEE 802.11 ax mode (2TX/2RX) (Radio 3)

Ant. 1 and Ant. 3 could transmit/receive simultaneously.

C-330E

Ant.	Brand	Model Name	Antenna Type	Connector	Remark
1	WHAYU	C393-510225-A	External Dipole	SMA	Radio 3_2.4G+5G
2	WHAYU	C393-510225-A	External Dipole	SMA	Radio 1_2.4G+Radio 0_5G
3	WHAYU	C393-510225-A	External Dipole	SMA	Radio 3_2.4G+5G
4	WHAYU	C393-510225-A	External Dipole	SMA	Radio 1_2.4G+ Radio 0_5G
5	WHAYU	C393-510224-A	Dipole	I-PEX	Radio 4_BT

Ant.	Gain (dBi)				
	Radio 0	Radio 1	Radio 3		Radio 4
	5G	2.4G	2.4G	5G	BT
1	-	-	5.2	5.6	-
2	5.9	4.9	-	-	-
3	-	-	4.7	6.6	-
4	5.6	4.4	-	-	-
5	-	-	-	-	4.6

For 2.4GHz function:

For IEEE 802.11 b/g/n/ax mode (2TX/2RX) (Radio 1)
Ant. 2 and Ant. 4 could transmit/receive simultaneously.
For IEEE 802.11 b/g/n/ax mode (2TX/2RX) (Radio 3)
Ant. 1 and Ant. 3 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (2TX/2RX) (Radio 0)
Ant. 2 and Ant. 4 could transmit/receive simultaneously.
For IEEE 802.11 a/n/ac/ax mode (2TX/2RX) (Radio 3)
Ant. 1 and Ant. 3 could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX) (Radio 4)
Ant. 5 could transmit/receive.

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) $\geq 1/T$
BT-LE(1Mbps)	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
BT-LE(2Mbps)	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
BT-LE(125kbps)	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
BT-LE(500kbps)	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

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

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	Antenna	Description
C-330	Internal	Same PCBA, only different in housing and antenna.
C-330E	External	

From the above models, model: C-330 was selected as representative model for the test and its data was recorded in this report.

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	Wayne Chiu	21.3~22.5°C / 53~59%	06/Jan/2023~07/Jan/2023
RF Conducted	TH07-HY	Yuna Lin	22.7~23.8°C / 54~57%	26/Dec/2022
☒ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH09-HY	Lego Lin	20.1~24.2°C / 58~64%	28/Dec/2022~04/Jan/2023
Radiated (Co-location)	03CH09-HY	Lego Lin	20.9~23.3°C / 59~66%	12/Jan/2023

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Emissions in Non-restricted Frequency Bands	0.14 dB	Confidence levels of 95%
Emissions in Restricted Frequency Bands	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	Dos v6.1
Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	8
2440MHz	8
2480MHz	8
BT-LE(2Mbps)	-
2402MHz	8
2440MHz	8
2480MHz	8
BT-LE(125kbps)	-
2402MHz	8
2440MHz	8
2480MHz	8
BT-LE(500kbps)	-
2402MHz	8
2440MHz	8
2480MHz	8

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	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	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V		

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio 0+Radio 1+Radio 2+Radio 3 (2.4GHz WLAN)+Bluetooth
2	Radio 0+Radio 1+Radio 2+Radio 3 (5GHz WLAN)+Bluetooth
3	Radio 0+Radio 1+Radio 2+Radio 3 (6GHz WLAN)+Bluetooth
Refer to Sporton Test Report No.: FA2D1412 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories					
Ceiling	Brand Name	ARISTA	Model Name	MNT-AP-15MM	

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

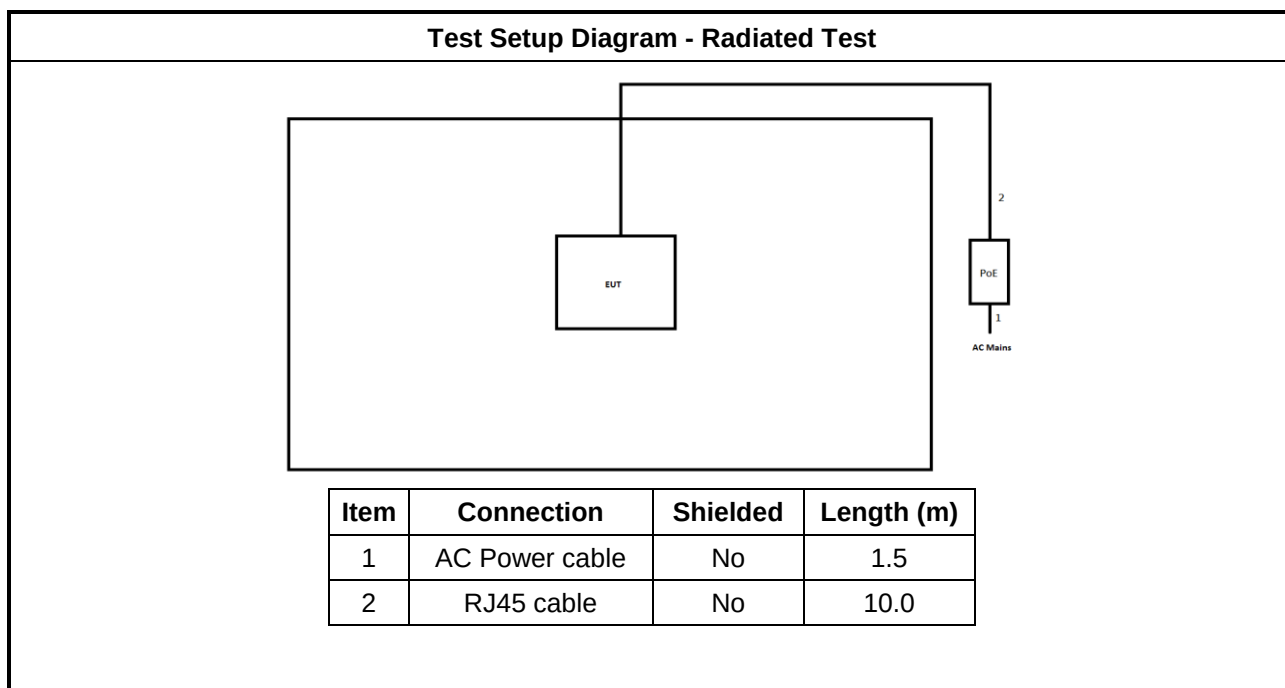
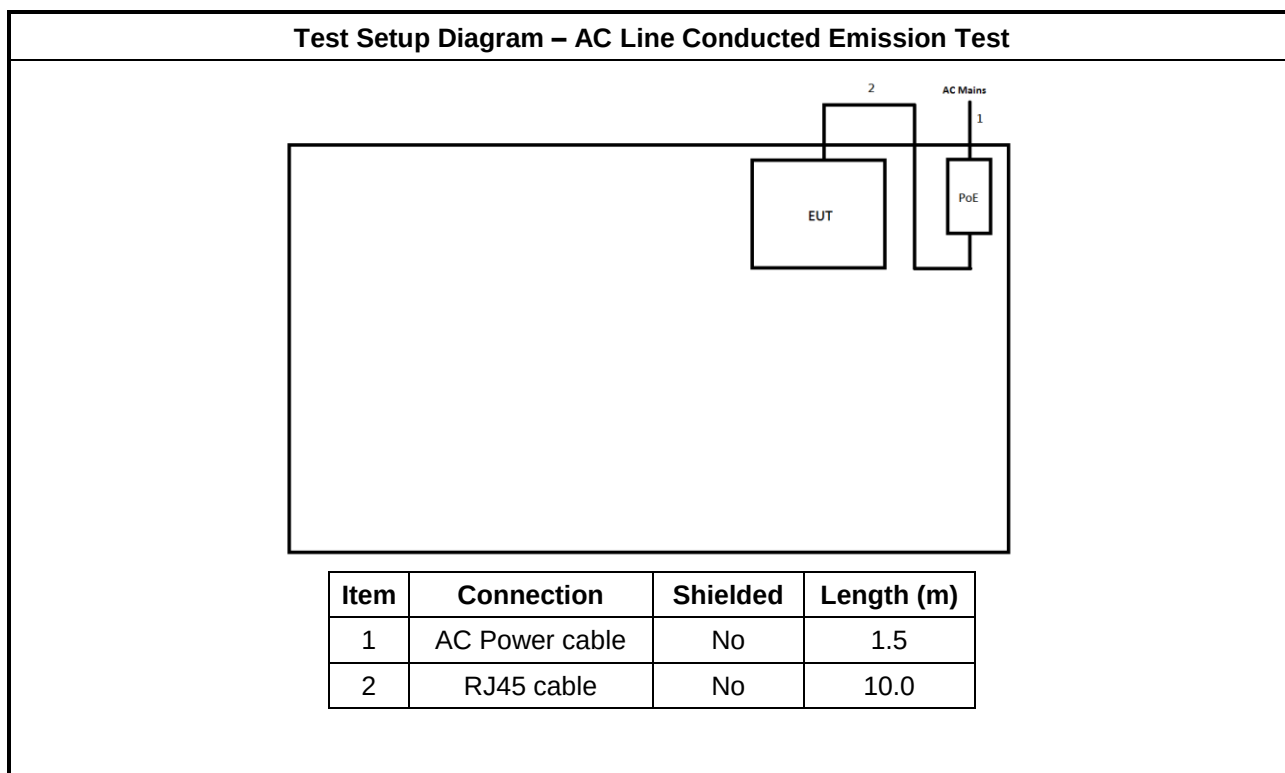
2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power cable	Power Sync	TPCMRN0018	-	-
2	PoE	GRT	GRT-480125A	-	-
3	RJ45 cable	Power sync	CAT-6E-10	-	-

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	AC Power cable	Power Sync	TPCMRN0018	-	-
2	PoE	GRT	GRT-480125A	-	Remote
3	RJ45 cable	Power sync	CAT-6E-10	-	-

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

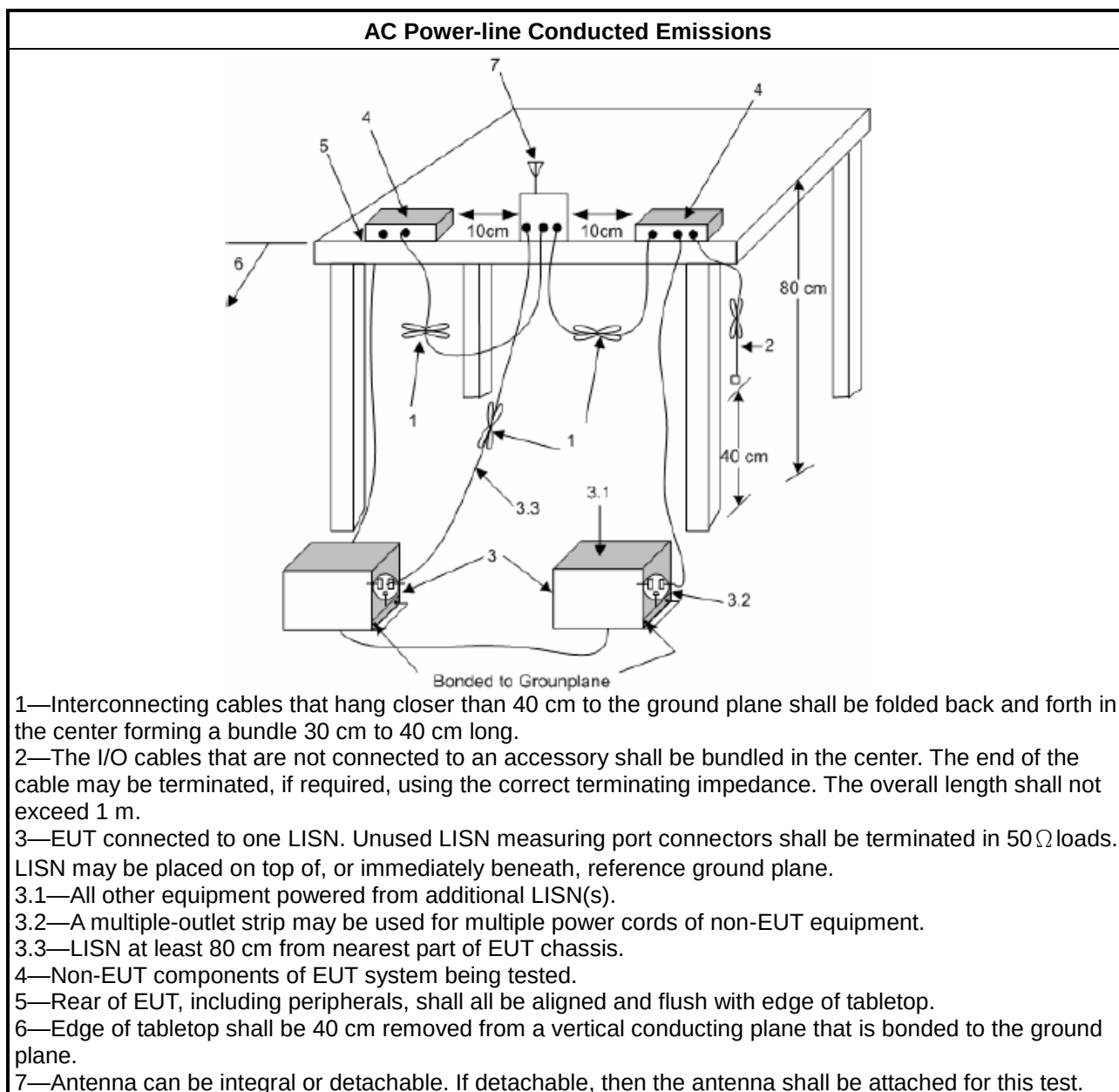
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

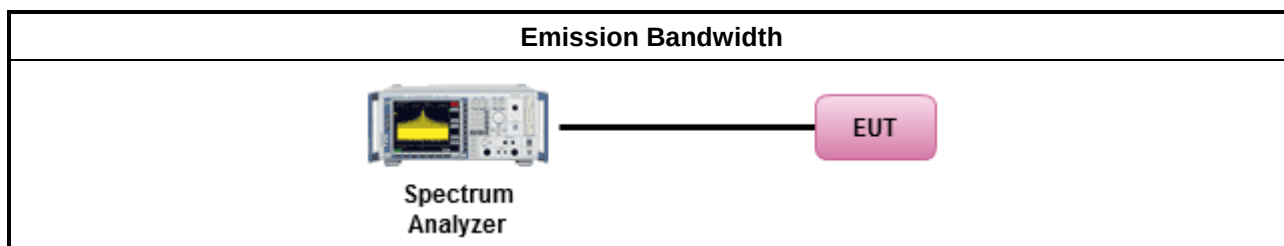
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	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



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:	
	2400-2483.5 MHz Band
	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	Smart antenna system (SAS)
	- Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	- Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

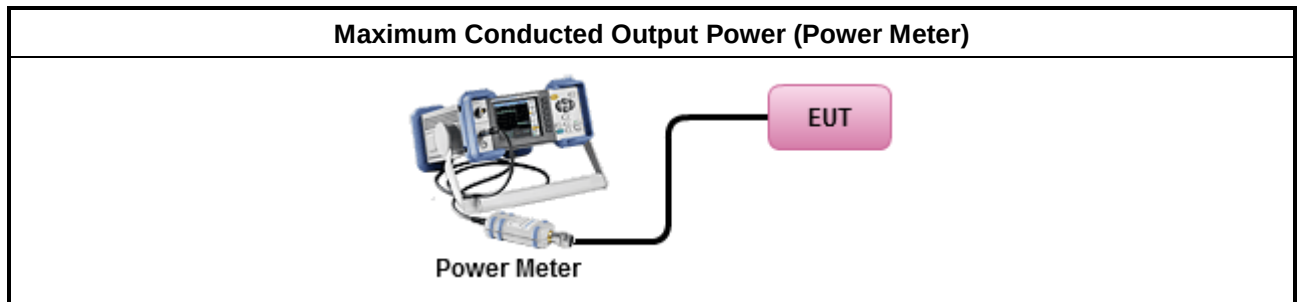
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

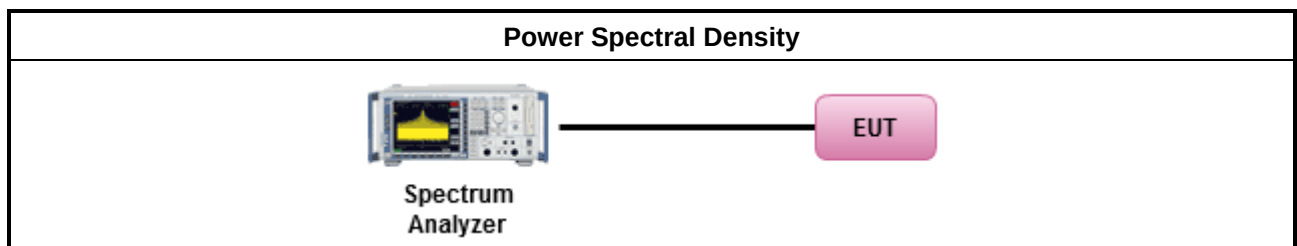
3.4.2 Measuring Instruments

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



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.	

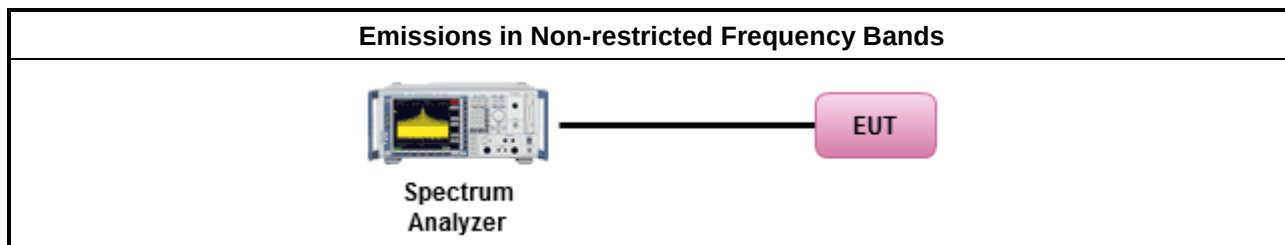
3.5.2 Measuring Instruments

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



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

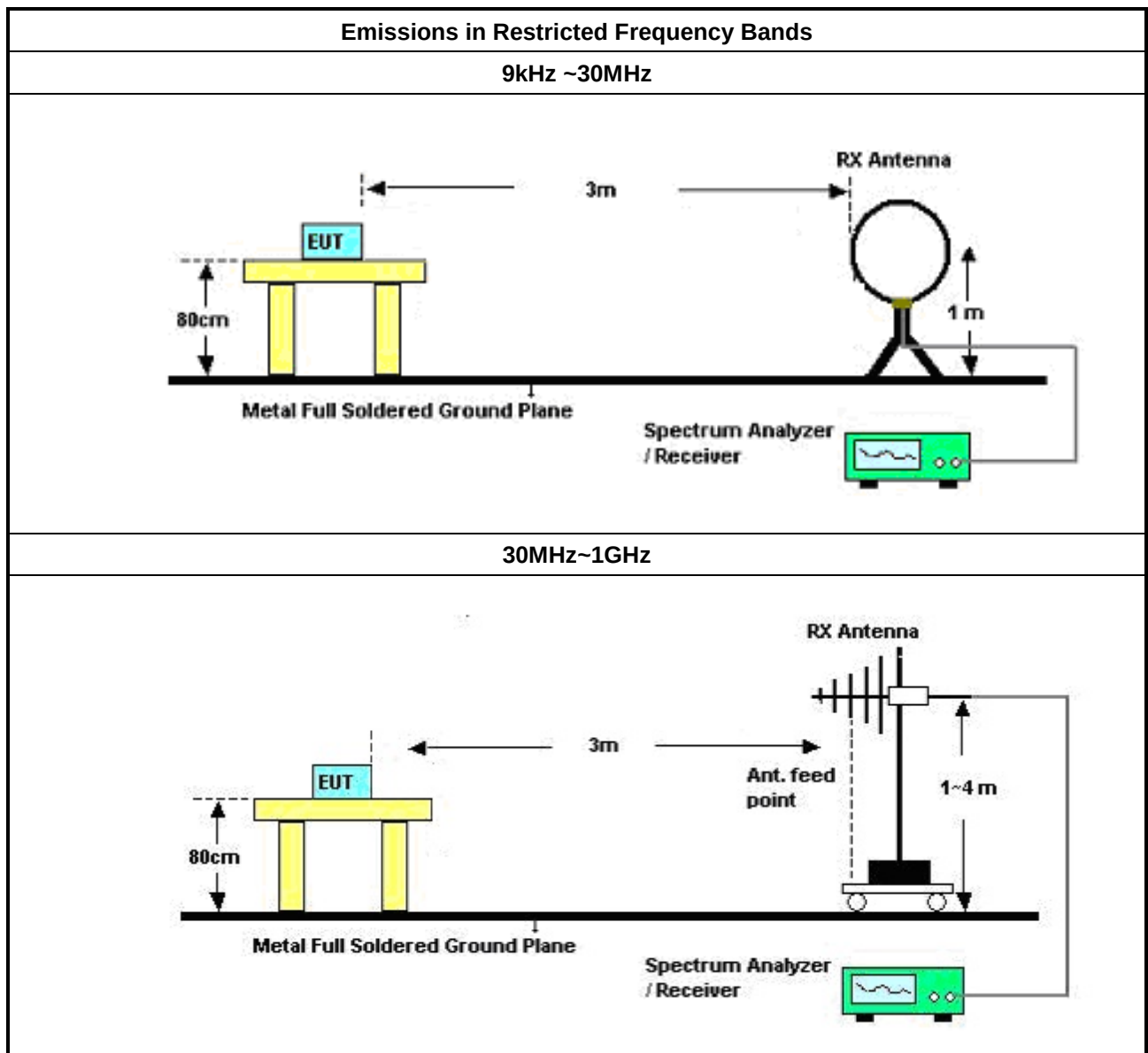
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted 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 $f \geq 1$ 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.

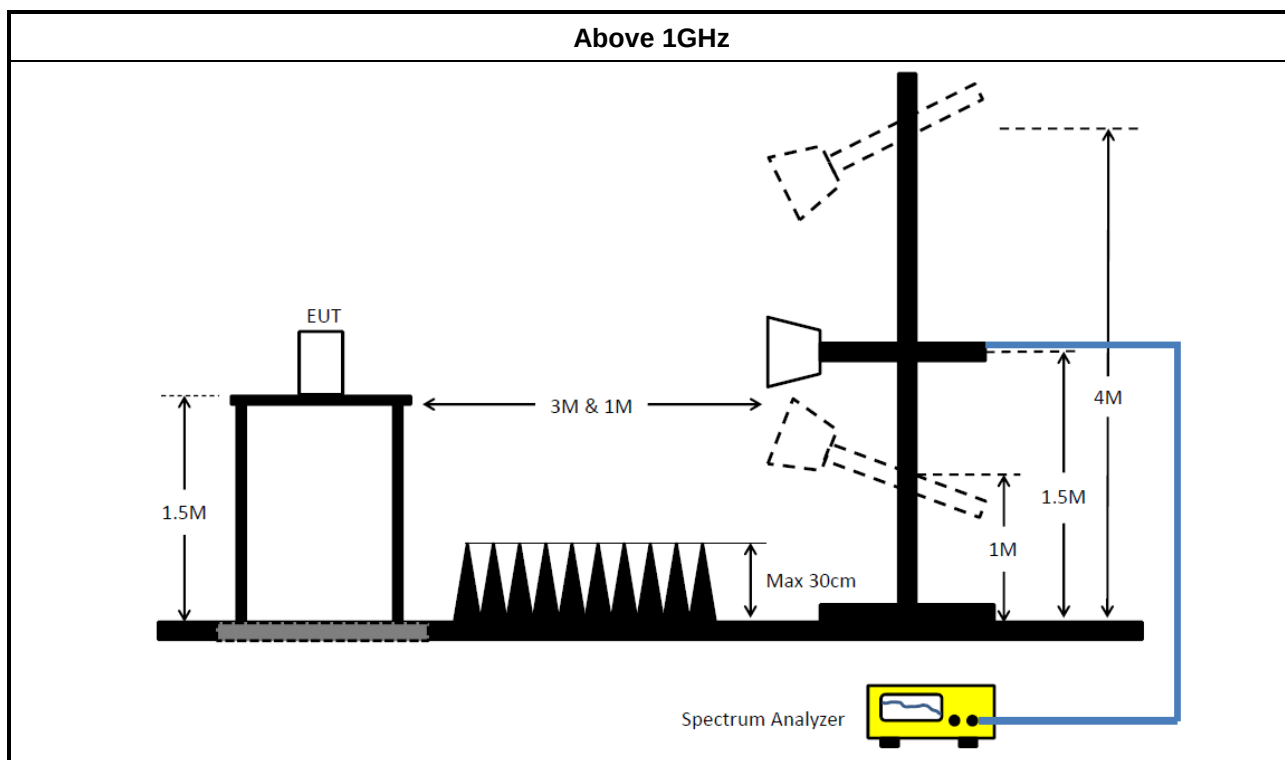
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	25/Oct/2022	24/Oct/2023
Software	Sporton	SENSE-EMI	V5.10.8.7	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	14/Feb/2022	13/Feb/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	14/Dec/2022	13/Dec/2023
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	14/Dec/2022	13/Dec/2023
SENSE-15247_FS	Sporton	V5.10.8.9	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	25/Mar/2022	24/Mar/2023
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	17/Mar/2022	16/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	08/Apr/2022	07/Apr/2023
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	28/Aug/2022	27/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1534	1GHz~18GHz	10/Mar/2022	09/Mar/2023
RF Cable-low	Jye Bao	RG142	03CH09-cable-01	9kHz~1GHz	09/Dec/2022	08/Dec/2023
RF CABLE 5m+3m+1m	HUBER+SUHNE R	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	17/Aug/2022	16/Aug/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	02/Nov/2022	01/Nov/2023
SENSE-15247-FS	Sporton	NA	5.10.8.9	NA	NA	NA

Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	17/Mar/2022	16/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1534	1GHz~18GHz	10/Mar/2022	09/Mar/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	17/Aug/2022	16/Aug/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
SENSE-EMI	Sporton	NA	5.10.7.15	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	324.114k	37.39	49.59	-12.20	Line

Result

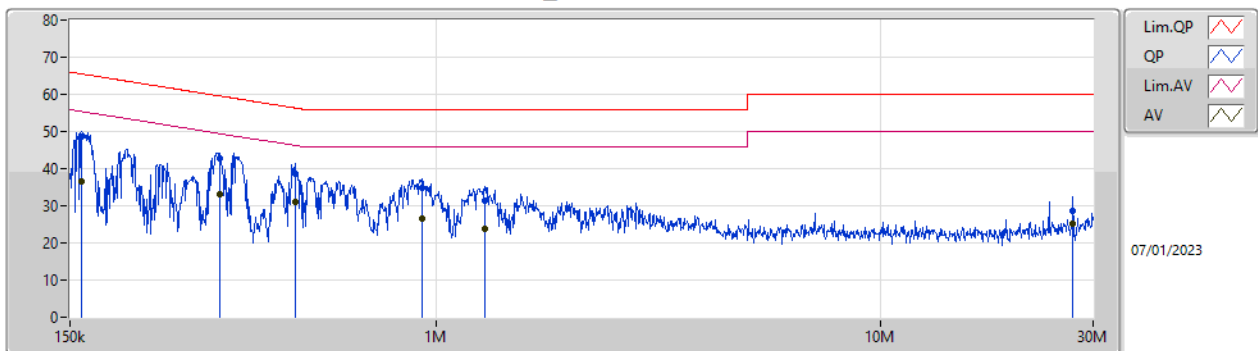
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	162.467k	48.14	65.33	-17.19	Line	-
Mode 1	Pass	AV	162.467k	37.23	55.33	-18.10	Line	-
Mode 1	Pass	QP	324.114k	43.85	59.59	-15.74	Line	-
Mode 1	Pass	AV	324.114k	37.39	49.59	-12.20	Line	-
Mode 1	Pass	QP	483.136k	38.67	56.29	-17.62	Line	-
Mode 1	Pass	AV	483.136k	32.30	46.29	-13.99	Line	-
Mode 1	Pass	QP	933.537k	35.54	56.00	-20.46	Line	-
Mode 1	Pass	AV	933.537k	26.34	46.00	-19.66	Line	-
Mode 1	Pass	QP	1.269M	32.87	56.00	-23.13	Line	-
Mode 1	Pass	AV	1.269M	23.42	46.00	-22.58	Line	-
Mode 1	Pass	QP	27.018M	29.59	60.00	-30.41	Line	-
Mode 1	Pass	AV	27.018M	27.94	50.00	-22.06	Line	-
Mode 1	Pass	QP	159.256k	48.54	65.50	-16.96	Neutral	-
Mode 1	Pass	AV	159.256k	36.39	55.50	-19.11	Neutral	-
Mode 1	Pass	QP	326.712k	42.65	59.54	-16.89	Neutral	-
Mode 1	Pass	AV	326.712k	33.12	49.54	-16.42	Neutral	-
Mode 1	Pass	QP	481.211k	38.71	56.33	-17.62	Neutral	-
Mode 1	Pass	AV	481.211k	30.94	46.33	-15.39	Neutral	-
Mode 1	Pass	QP	926.114k	34.71	56.00	-21.29	Neutral	-
Mode 1	Pass	AV	926.114k	26.70	46.00	-19.30	Neutral	-
Mode 1	Pass	QP	1.285M	31.53	56.00	-24.47	Neutral	-
Mode 1	Pass	AV	1.285M	23.87	46.00	-22.13	Neutral	-
Mode 1	Pass	QP	27.018M	28.70	60.00	-31.30	Neutral	-
Mode 1	Pass	AV	27.018M	25.32	50.00	-24.68	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	162.467k	48.14	65.33	-17.19	19.65	Line	-	28.49	9.69	0.03	9.93			
AV	162.467k	37.23	55.33	-18.10	19.65	Line	-	17.58	9.69	0.03	9.93			
QP	324.114k	43.85	59.59	-15.74	19.67	Line	-	24.18	9.68	0.04	9.95			
AV	324.114k	37.39	49.59	-12.20	19.67	Line	-	17.72	9.68	0.04	9.95			
QP	483.136k	38.67	56.29	-17.62	19.68	Line	-	18.99	9.68	0.04	9.96			
AV	483.136k	32.30	46.29	-13.99	19.68	Line	-	12.62	9.68	0.04	9.96			
QP	933.537k	35.54	56.00	-20.46	19.67	Line	-	15.87	9.68	0.05	9.94			
AV	933.537k	26.34	46.00	-19.66	19.67	Line	-	6.67	9.68	0.05	9.94			
QP	1.269M	32.87	56.00	-23.13	19.69	Line	-	13.18	9.69	0.06	9.94			
AV	1.269M	23.42	46.00	-22.58	19.69	Line	-	3.73	9.69	0.06	9.94			
QP	27.018M	29.59	60.00	-30.41	20.09	Line	-	9.50	9.80	0.32	9.97			
AV	27.018M	27.94	50.00	-22.06	20.09	Line	-	7.85	9.80	0.32	9.97			

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	159.256k	48.54	65.50	-16.96	19.69	Neutral	-	28.85	9.73	0.03	9.93			
AV	159.256k	36.39	55.50	-19.11	19.69	Neutral	-	16.70	9.73	0.03	9.93			
QP	326.712k	42.65	59.54	-16.89	19.71	Neutral	-	22.94	9.72	0.04	9.95			
AV	326.712k	33.12	49.54	-16.42	19.71	Neutral	-	13.41	9.72	0.04	9.95			
QP	481.211k	38.71	56.33	-17.62	19.72	Neutral	-	18.99	9.72	0.04	9.96			
AV	481.211k	30.94	46.33	-15.39	19.72	Neutral	-	11.22	9.72	0.04	9.96			
QP	926.114k	34.71	56.00	-21.29	19.72	Neutral	-	14.99	9.73	0.05	9.94			
AV	926.114k	26.70	46.00	-19.30	19.72	Neutral	-	6.98	9.73	0.05	9.94			
QP	1.285M	31.53	56.00	-24.47	19.73	Neutral	-	11.80	9.73	0.06	9.94			
AV	1.285M	23.87	46.00	-22.13	19.73	Neutral	-	4.14	9.73	0.06	9.94			
QP	27.018M	28.70	60.00	-31.30	20.39	Neutral	-	8.31	10.10	0.32	9.97			
AV	27.018M	25.32	50.00	-24.68	20.39	Neutral	-	4.93	10.10	0.32	9.97			

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)	736.25k	1.084M	1M08F1D	730k	1.069M
BT-LE(2Mbps)	1.275M	2.104M	2M10F1D	1.253M	2.061M
BT-LE(125kbps)	721.25k	1.093M	1M09F1D	660k	1.083M
BT-LE(500kbps)	735k	1.059M	1M06F1D	710k	1.051M

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

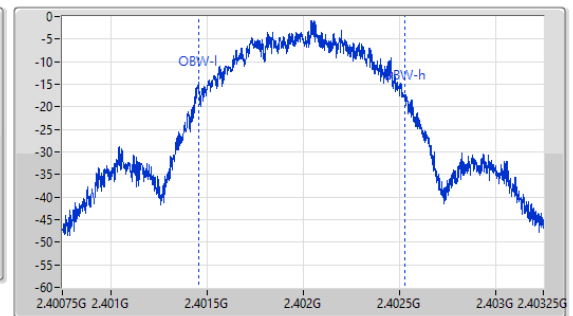
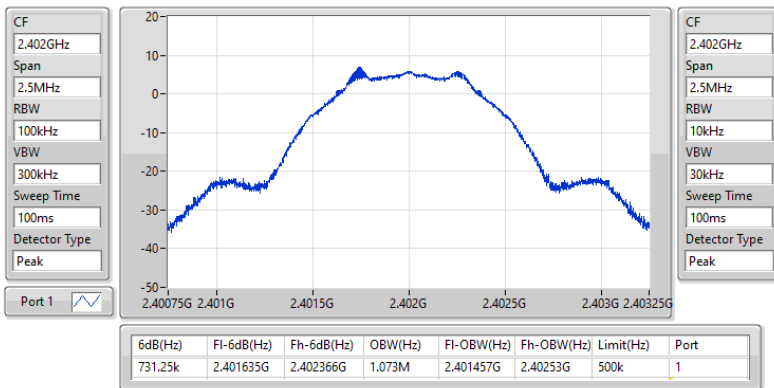
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	731.25k	1.073M
2440MHz	Pass	500k	730k	1.084M
2480MHz	Pass	500k	736.25k	1.069M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.253M	2.084M
2440MHz	Pass	500k	1.253M	2.104M
2480MHz	Pass	500k	1.275M	2.061M
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	500k	706.25k	1.083M
2440MHz	Pass	500k	660k	1.093M
2480MHz	Pass	500k	721.25k	1.088M
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	500k	735k	1.058M
2440MHz	Pass	500k	717.5k	1.059M
2480MHz	Pass	500k	710k	1.051M

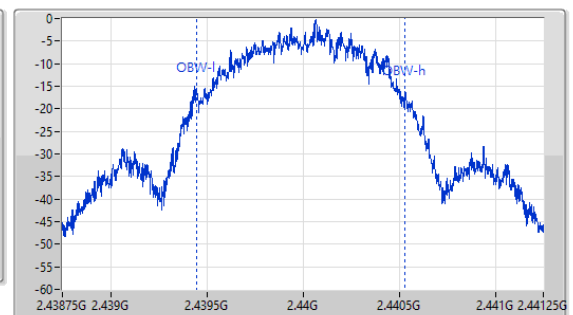
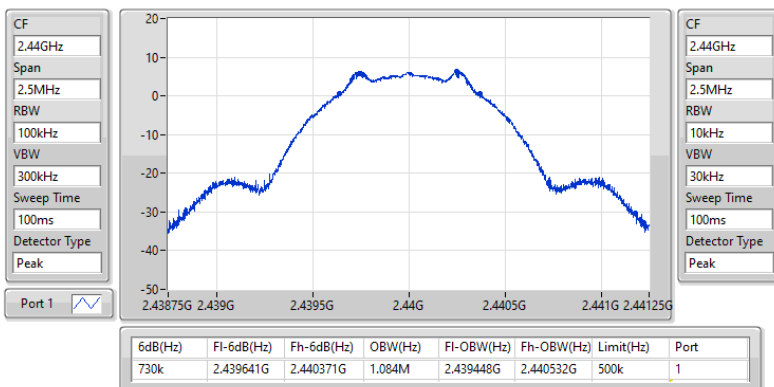
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps)
EBW-DTS
2402MHz

26/12/2022


2.4-2.4835GHz_BT-LE(1Mbps)
EBW-DTS
2440MHz

26/12/2022

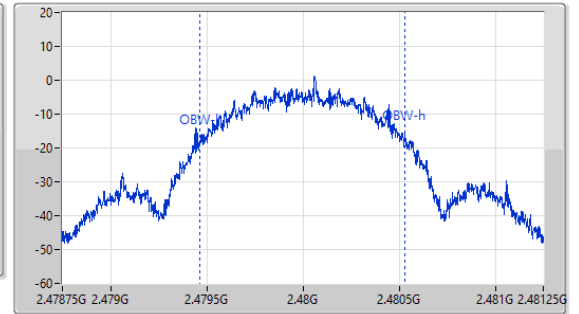
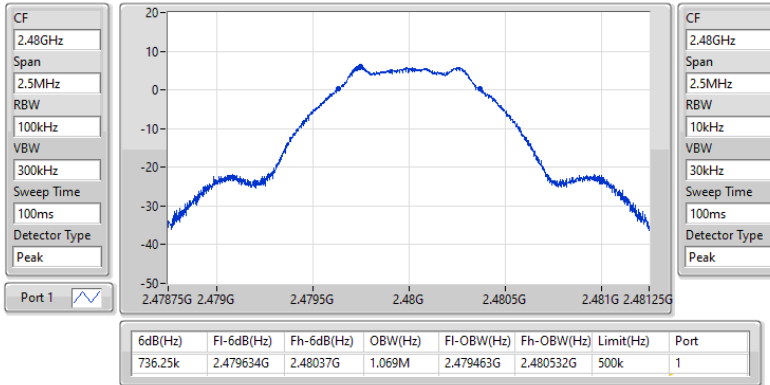


2.4-2.4835GHz_BT-LE(1Mbps)

EBW-DTS

2480MHz

26/12/2022

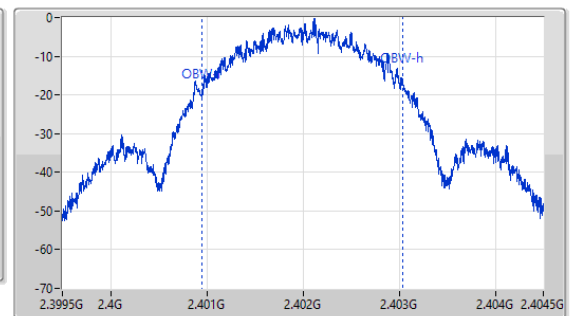
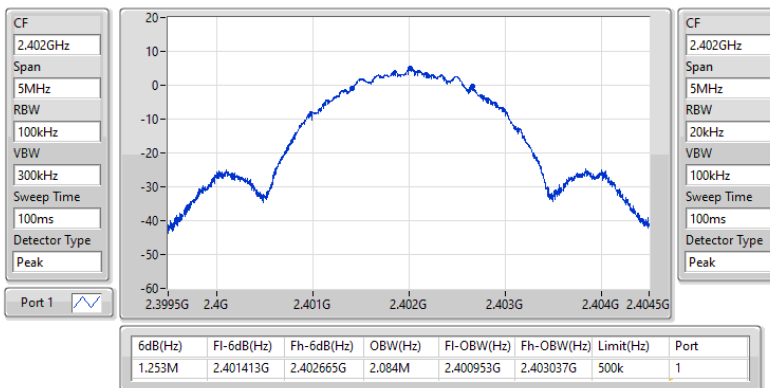


2.4-2.4835GHz_BT-LE(2Mbps)

EBW-DTS

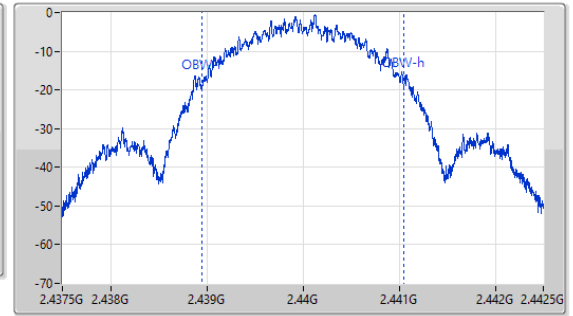
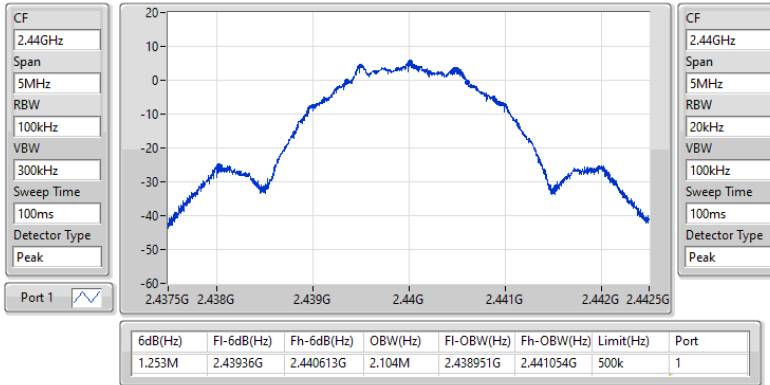
2402MHz

26/12/2022

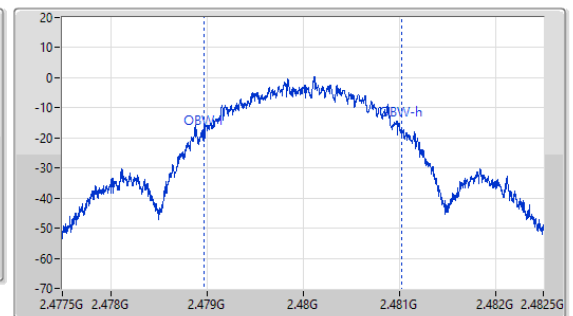
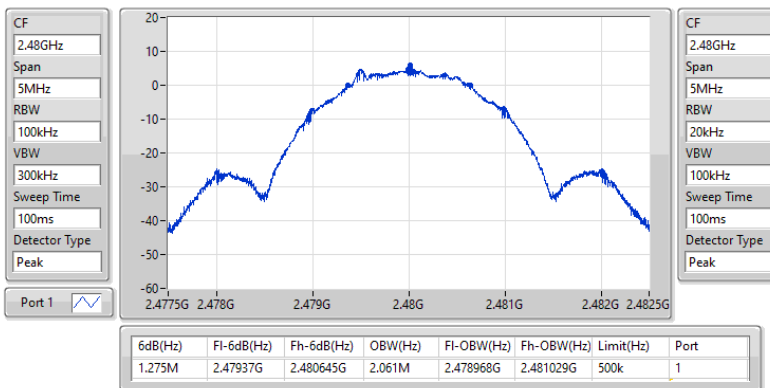


2.4-2.4835GHz_BT-LE(2Mbps)
EBW-DTS
2440MHz

26/12/2022


2.4-2.4835GHz_BT-LE(2Mbps)
EBW-DTS
2480MHz

26/12/2022

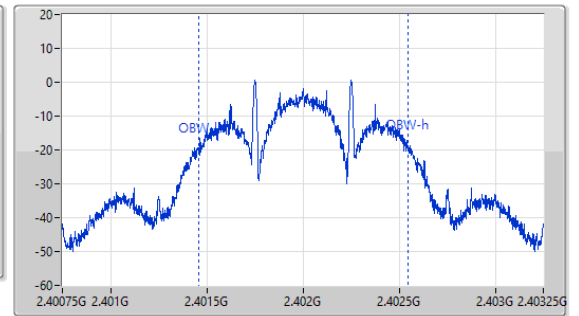
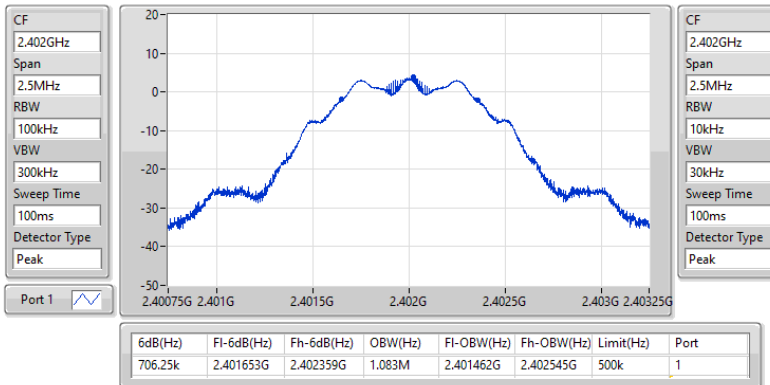


2.4-2.4835GHz_BT-LE(125kbps)

EBW-DTS

2402MHz

26/12/2022

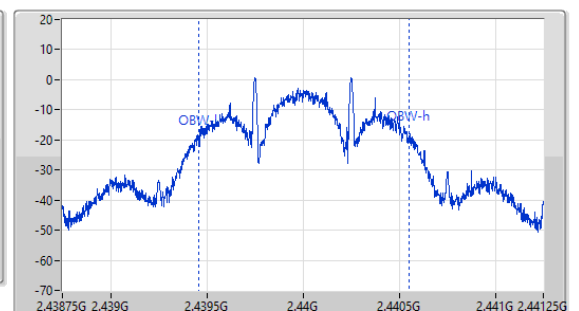
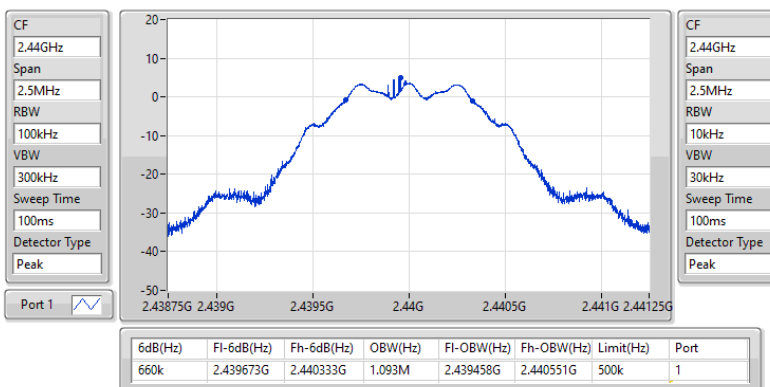


2.4-2.4835GHz_BT-LE(125kbps)

EBW-DTS

2440MHz

26/12/2022

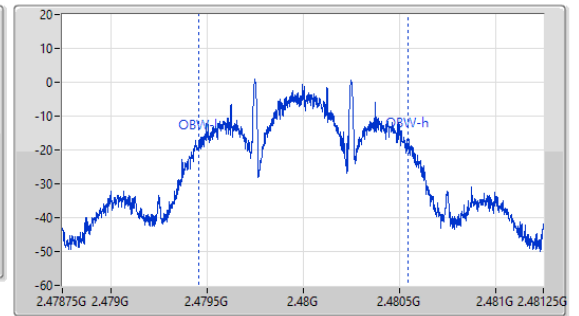
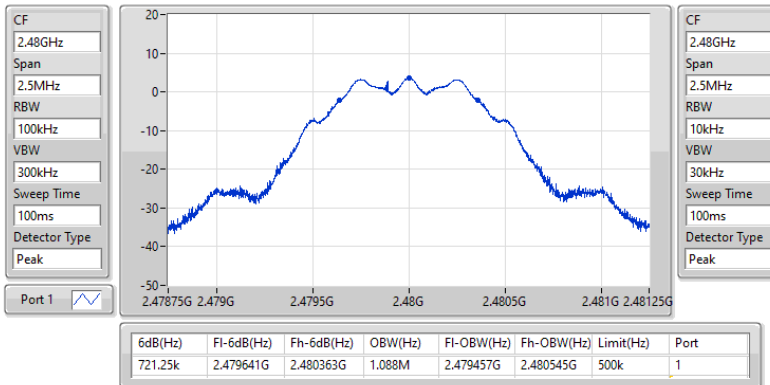


2.4-2.4835GHz_BT-LE(125kbps)

EBW-DTS

2480MHz

26/12/2022

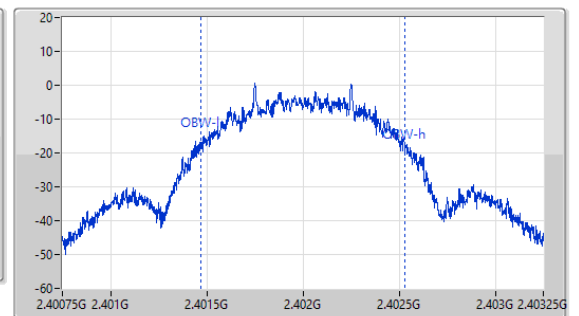
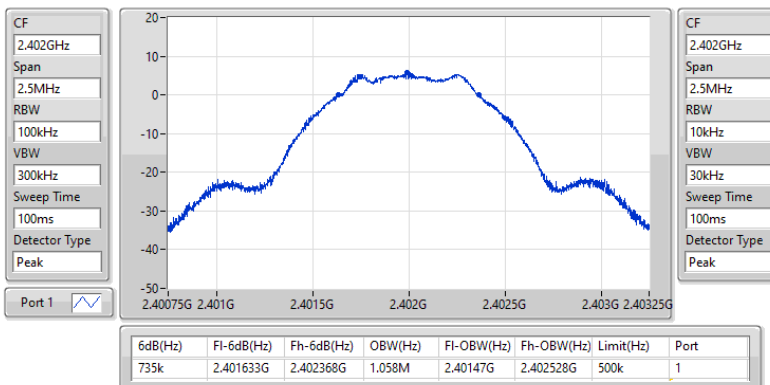


2.4-2.4835GHz_BT-LE(500kbps)

EBW-DTS

2402MHz

26/12/2022

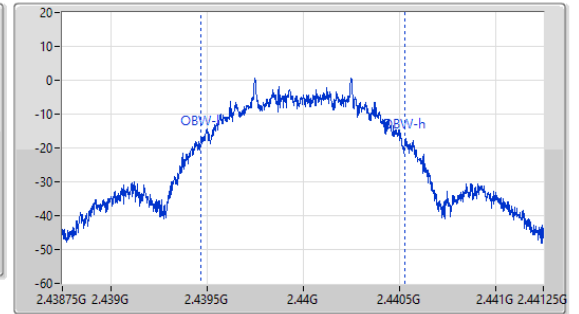
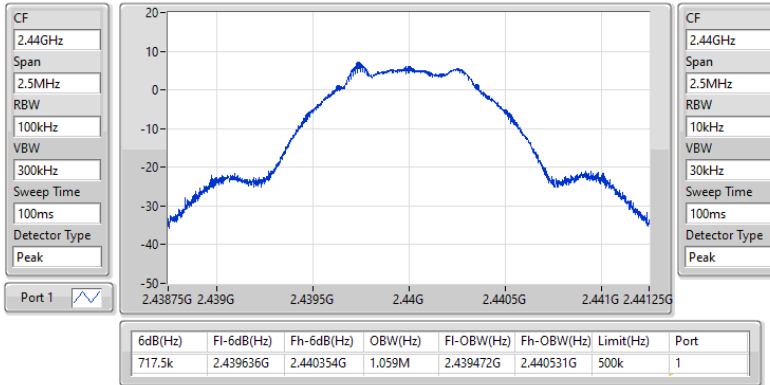


2.4-2.4835GHz_BT-LE(500kbps)

EBW-DTS

2440MHz

26/12/2022

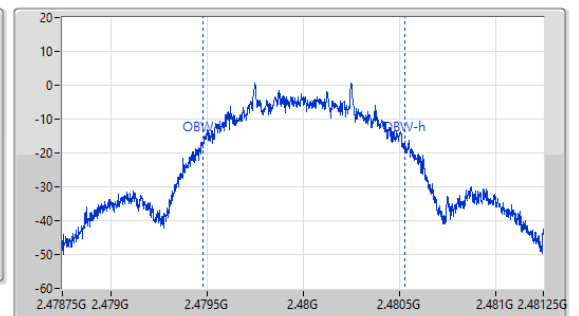
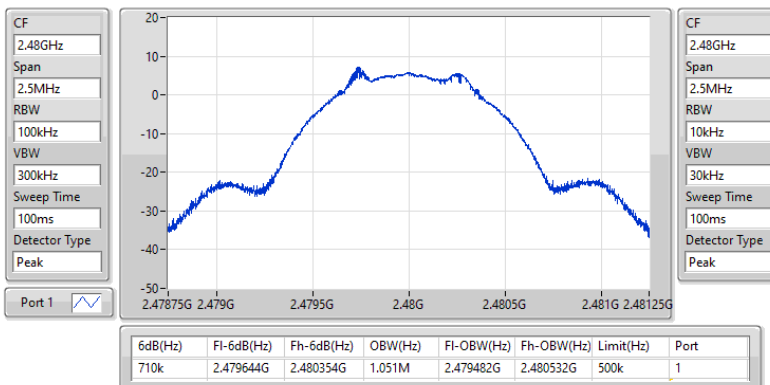


2.4-2.4835GHz_BT-LE(500kbps)

EBW-DTS

2480MHz

26/12/2022





Summary

Mode	Total Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	6.97	0.00498
BT-LE(2Mbps)	6.98	0.00499
BT-LE(125kbps)	6.98	0.00499
BT-LE(500kbps)	6.98	0.00499



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.60	6.63	30.00
2440MHz	Pass	4.60	6.95	30.00
2480MHz	Pass	4.60	6.97	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.60	6.64	30.00
2440MHz	Pass	4.60	6.96	30.00
2480MHz	Pass	4.60	6.98	30.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	4.60	6.65	30.00
2440MHz	Pass	4.60	6.96	30.00
2480MHz	Pass	4.60	6.98	30.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	4.60	6.65	30.00
2440MHz	Pass	4.60	6.96	30.00
2480MHz	Pass	4.60	6.98	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-6.12
BT-LE(2Mbps)	-6.80
BT-LE(125kbps)	0.69
BT-LE(500kbps)	0.45

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.60	-6.58	8.00
2440MHz	Pass	4.60	-6.60	8.00
2480MHz	Pass	4.60	-6.12	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.60	-9.82	8.00
2440MHz	Pass	4.60	-8.19	8.00
2480MHz	Pass	4.60	-6.80	8.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	4.60	0.43	8.00
2440MHz	Pass	4.60	0.69	8.00
2480MHz	Pass	4.60	0.67	8.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	4.60	-1.32	8.00
2440MHz	Pass	4.60	0.45	8.00
2480MHz	Pass	4.60	-0.57	8.00

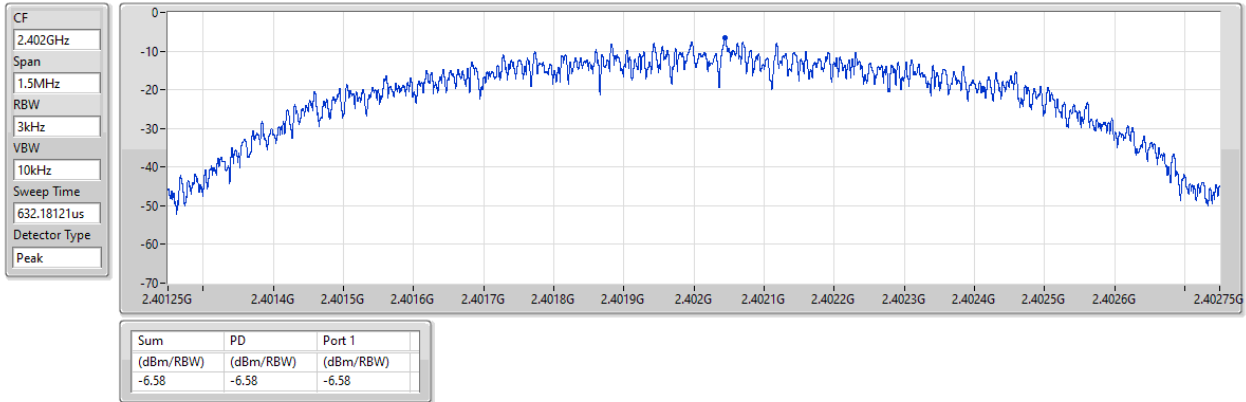
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2402MHz

26/12/2022

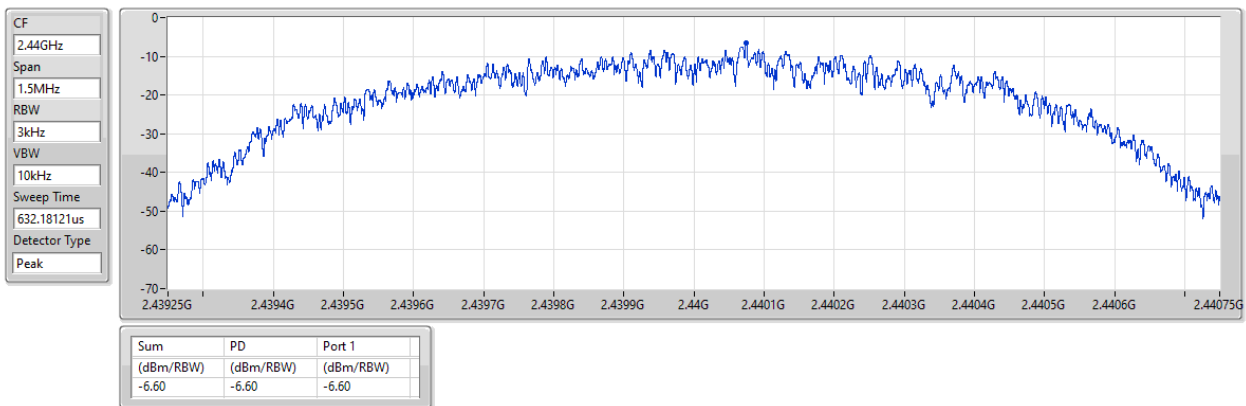


2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

26/12/2022

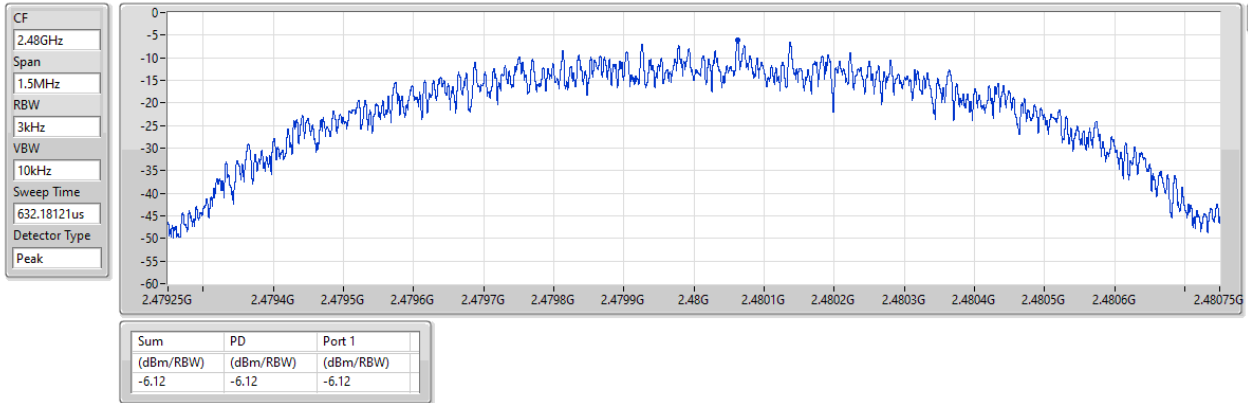


2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2480MHz

26/12/2022

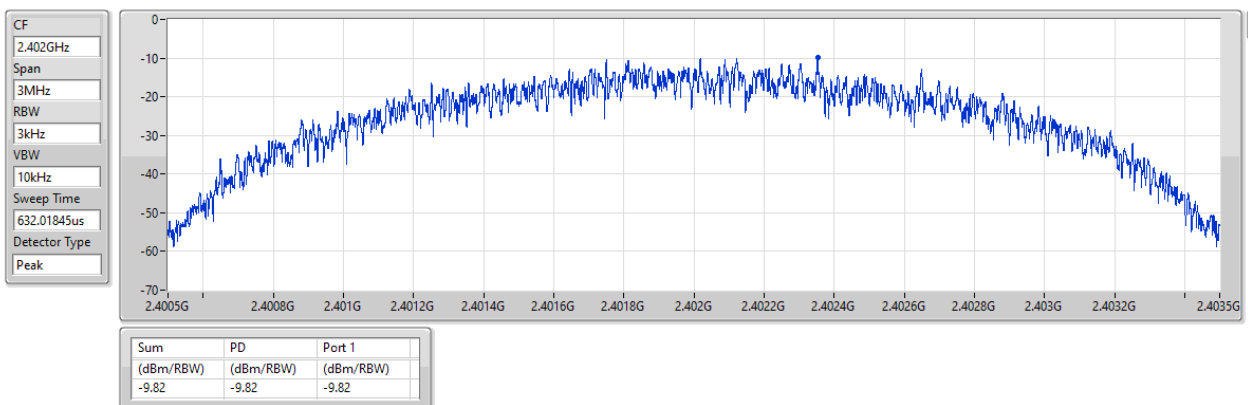


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

26/12/2022

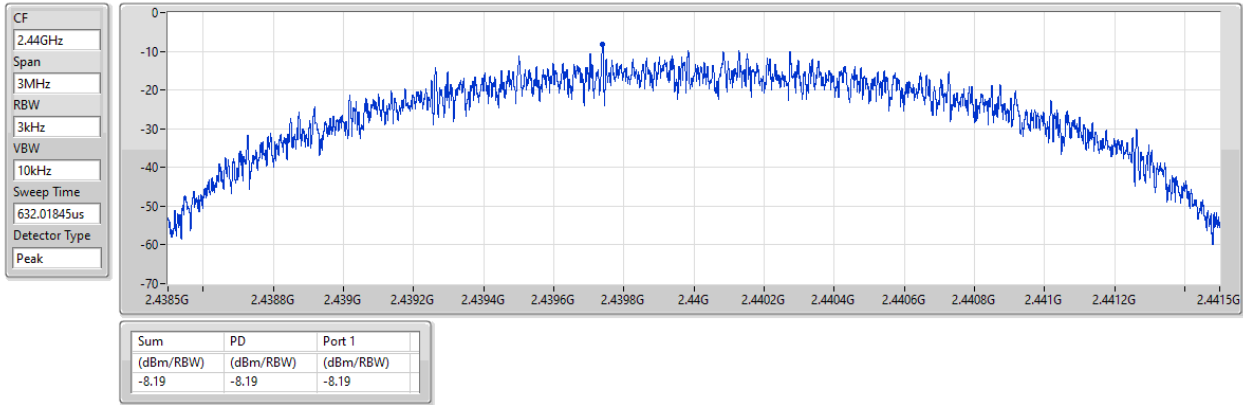


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2440MHz

26/12/2022

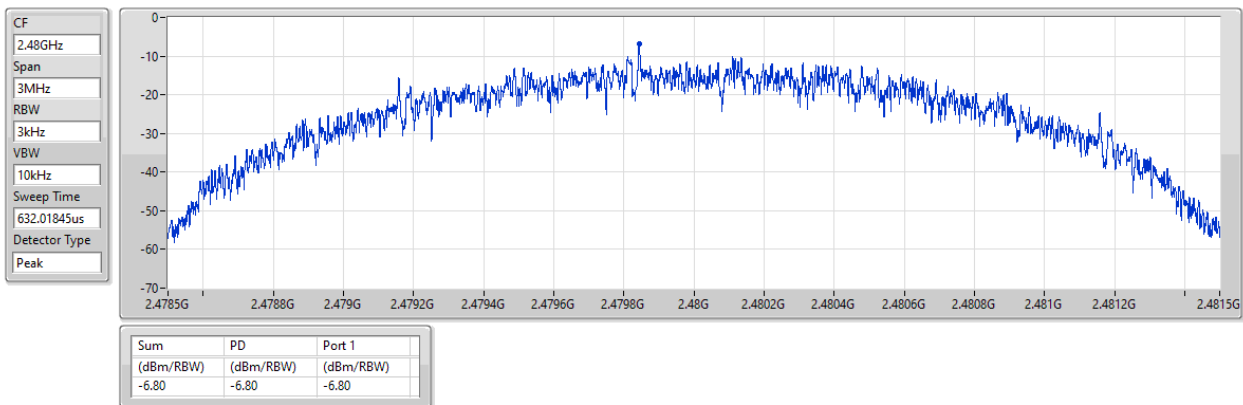


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2480MHz

26/12/2022

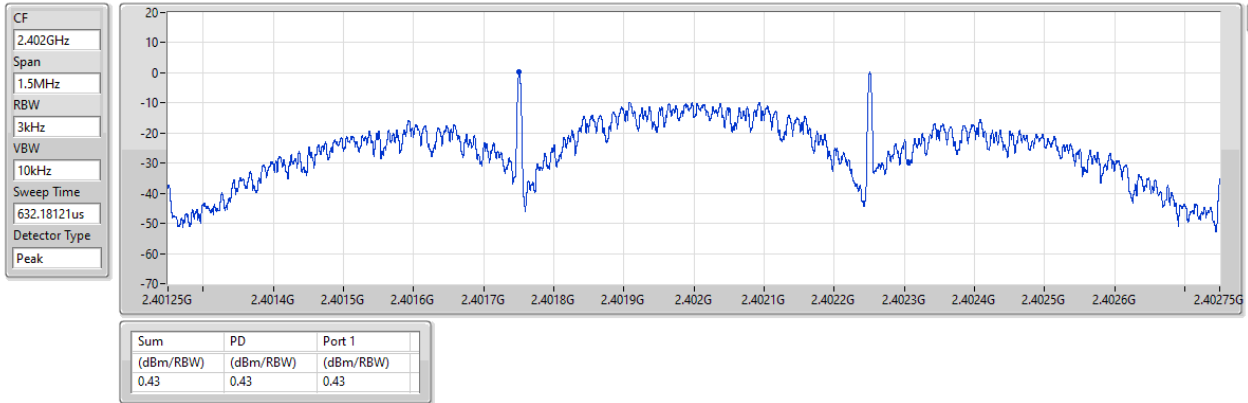


2.4-2.4835GHz_BT-LE(125kbps)

PSD

2402MHz

26/12/2022

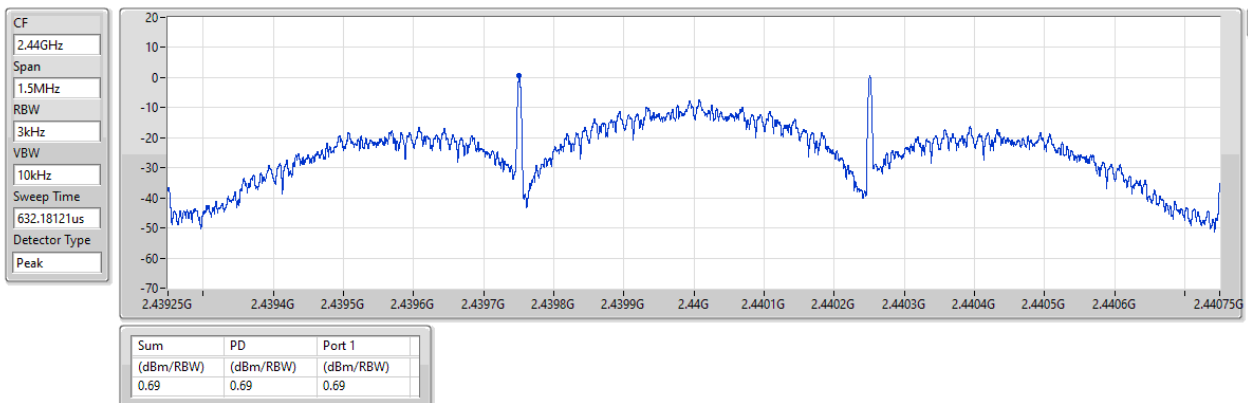


2.4-2.4835GHz_BT-LE(125kbps)

PSD

2440MHz

26/12/2022

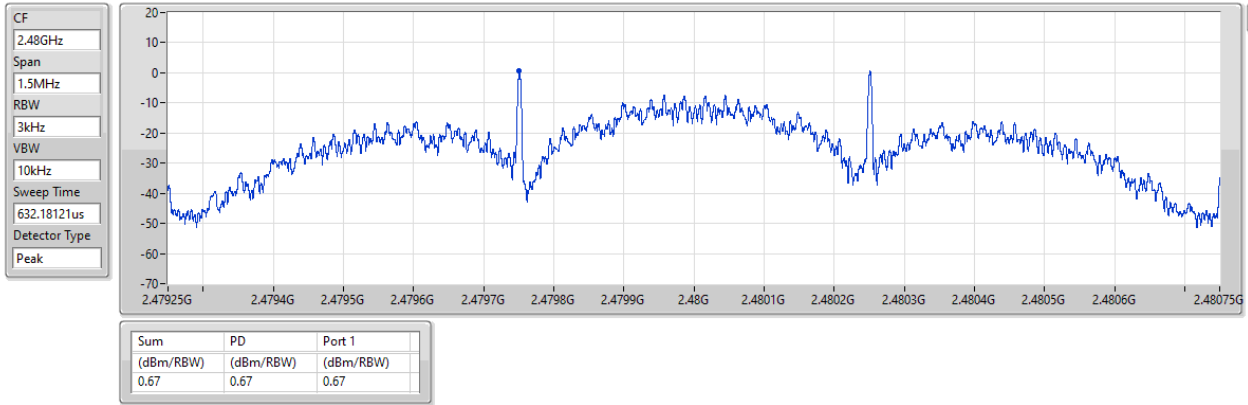


2.4-2.4835GHz_BT-LE(125kbps)

PSD

2480MHz

26/12/2022

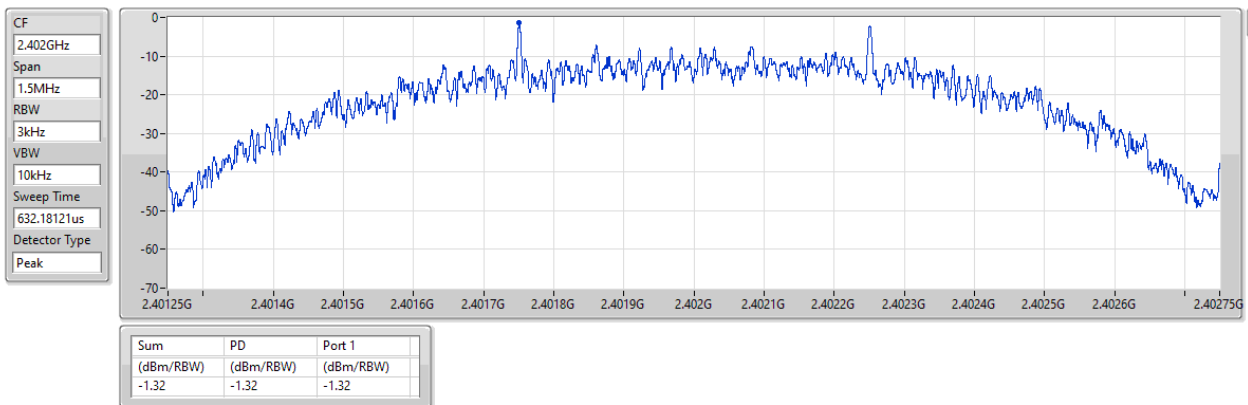


2.4-2.4835GHz_BT-LE(500kbps)

PSD

2402MHz

26/12/2022

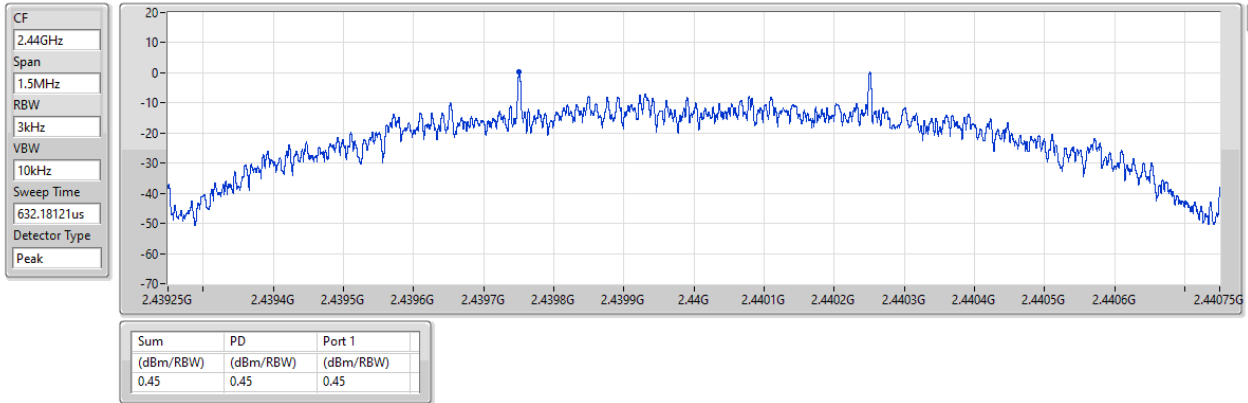


2.4-2.4835GHz_BT-LE(500kbps)

PSD

2440MHz

26/12/2022

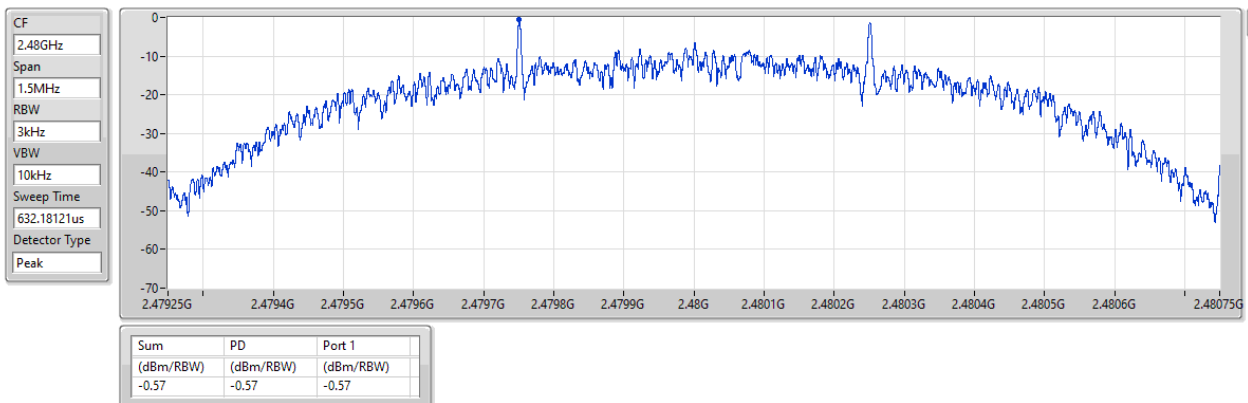


2.4-2.4835GHz_BT-LE(500kbps)

PSD

2480MHz

26/12/2022



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	2.47983G	6.13	-23.87	2.05218G	-54.64	2.4G	-41.10	2.4G	-40.66	2.50314G	-53.65	17.48054G	-40.37	1
BT-LE(2Mbps)	Pass	2.48016G	5.39	-24.61	2.1638G	-55.01	2.4G	-26.24	2.4G	-25.69	2.50302G	-53.89	17.60428G	-40.67	1
BT-LE(125kbps)	Pass	2.48016G	3.45	-26.55	2.1215G	-55.60	2.39996G	-41.48	2.4G	-41.11	2.50026G	-54.13	17.04749G	-41.42	1
BT-LE(500kbps)	Pass	2.47983G	5.97	-24.03	2.06745G	-54.78	2.4G	-40.64	2.4G	-41.02	2.50214G	-53.24	24.46008G	-41.98	1

Result

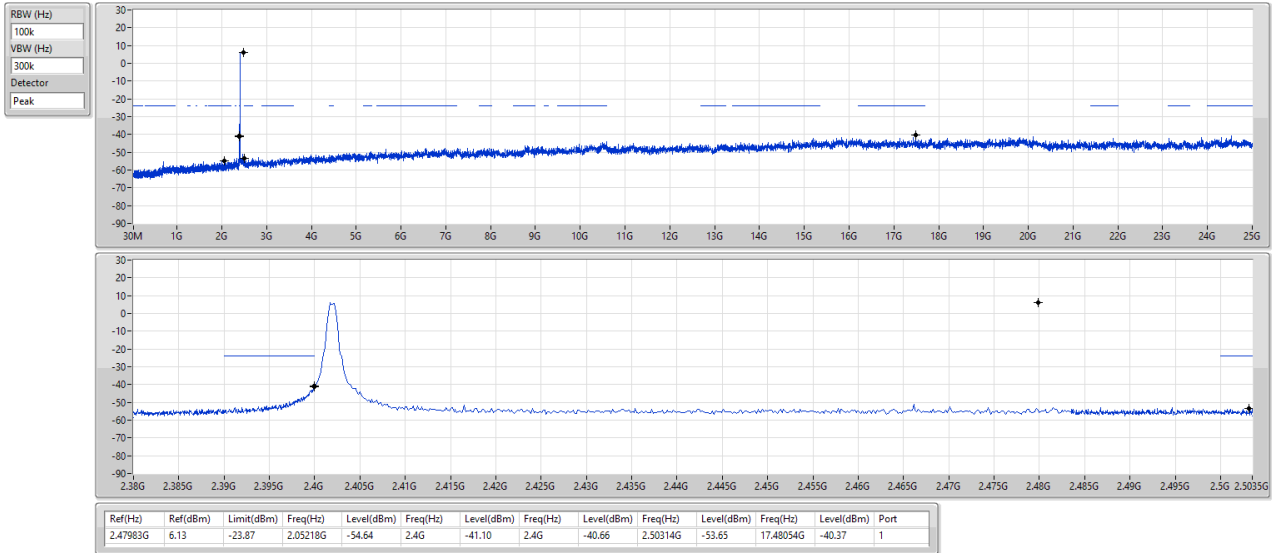
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.47983G	6.13	-23.87	2.05218G	-54.64	2.4G	-41.10	2.4G	-40.66	2.50314G	-53.65	17.48054G	-40.37	1
2440MHz	Pass	2.47983G	6.13	-23.87	2.12385G	-54.05	2.392G	-53.52	2.4G	-55.00	2.50222G	-53.26	24.47696G	-41.96	1
2480MHz	Pass	2.47983G	6.13	-23.87	1.9476G	-54.62	2.39952G	-53.25	2.4G	-56.34	2.50138G	-53.65	17.30057G	-40.60	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.48016G	5.39	-24.61	2.1638G	-55.01	2.4G	-26.24	2.4G	-25.69	2.50302G	-53.89	17.60428G	-40.67	1
2440MHz	Pass	2.48016G	5.39	-24.61	2.12738G	-55.05	2.39216G	-53.41	2.4G	-55.78	2.50334G	-53.23	17.40181G	-41.51	1
2480MHz	Pass	2.48016G	5.39	-24.61	2.11093G	-54.92	2.39728G	-53.93	2.4G	-55.59	2.50282G	-52.25	15.19996G	-42.15	1
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.48016G	3.45	-26.55	2.1215G	-55.60	2.39996G	-41.48	2.4G	-41.11	2.50026G	-54.13	17.04749G	-41.42	1
2440MHz	Pass	2.48016G	3.45	-26.55	2.3048G	-54.68	2.39188G	-53.54	2.4G	-54.32	2.5013G	-52.72	24.53601G	-41.09	1
2480MHz	Pass	2.48016G	3.45	-26.55	2.30363G	-55.28	2.3968G	-53.58	2.4G	-54.13	2.50318G	-53.37	24.91845G	-41.71	1
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.47983G	5.97	-24.03	2.06745G	-54.78	2.4G	-40.64	2.4G	-41.02	2.50214G	-53.24	24.46008G	-41.98	1
2440MHz	Pass	2.47983G	5.97	-24.03	2.19083G	-55.41	2.392G	-52.62	2.4G	-56.05	2.5001G	-53.68	24.61475G	-41.22	1
2480MHz	Pass	2.47983G	5.97	-24.03	2.01105G	-54.14	2.39544G	-53.57	2.4G	-56.11	2.50058G	-52.85	16.85064G	-41.29	1

2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2402MHz

26/12/2022

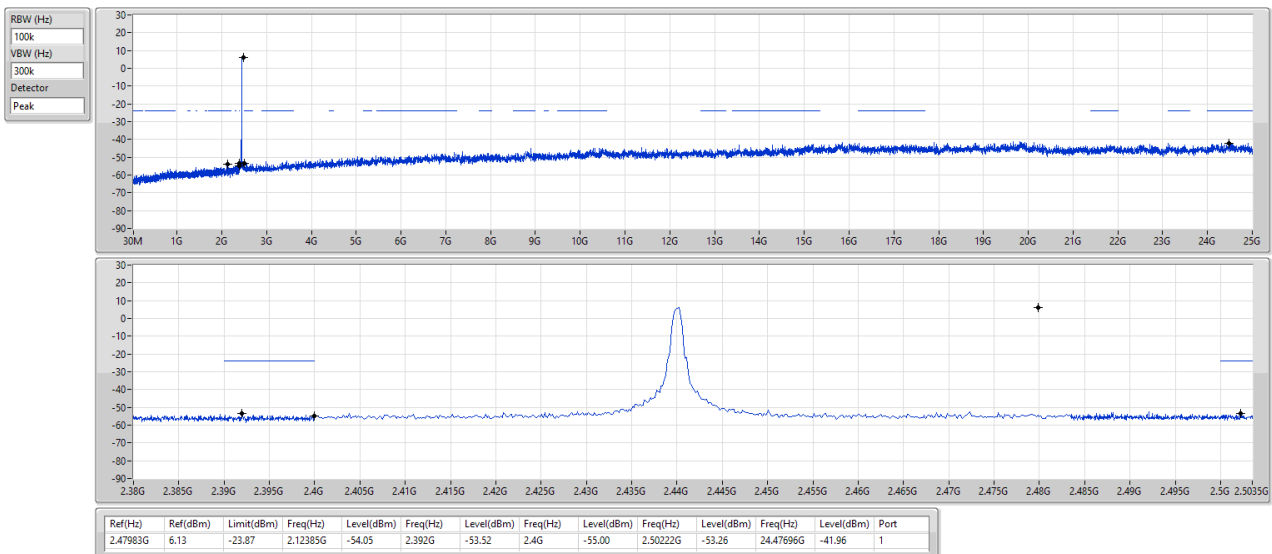


2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

2440MHz

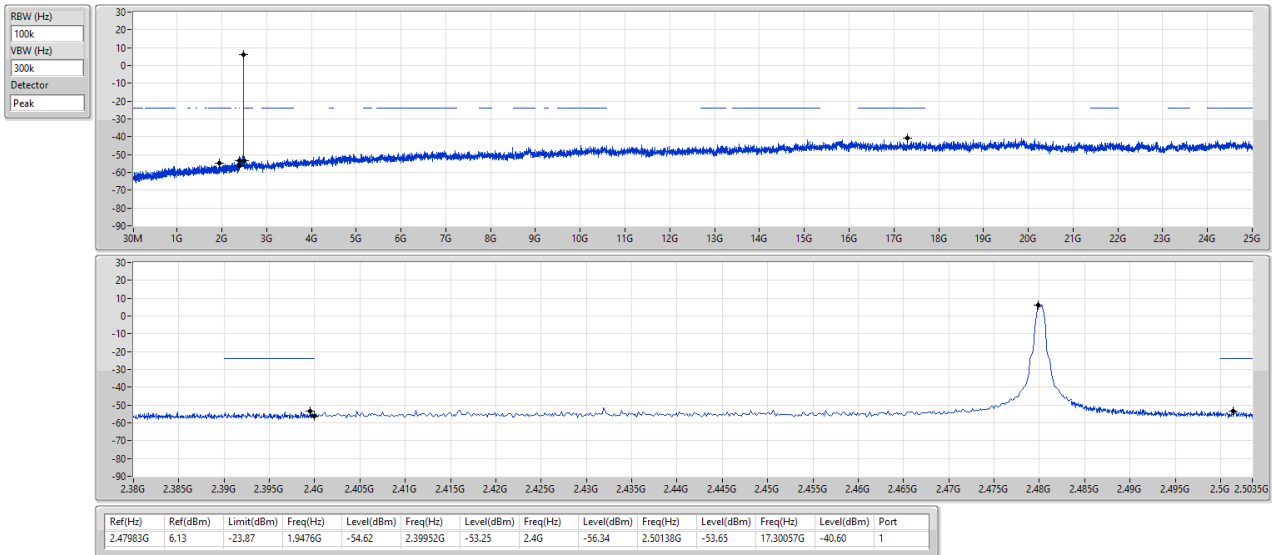
26/12/2022



2.4-2.4835GHz_BT-LE(1Mbps)

CSEndB-DTS

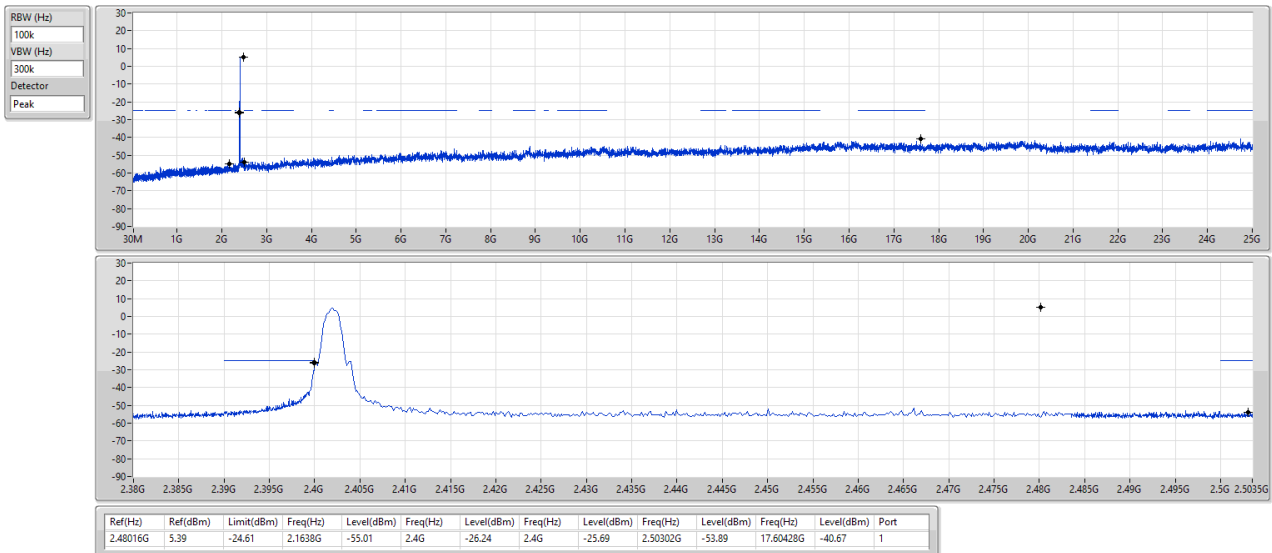
2480MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz

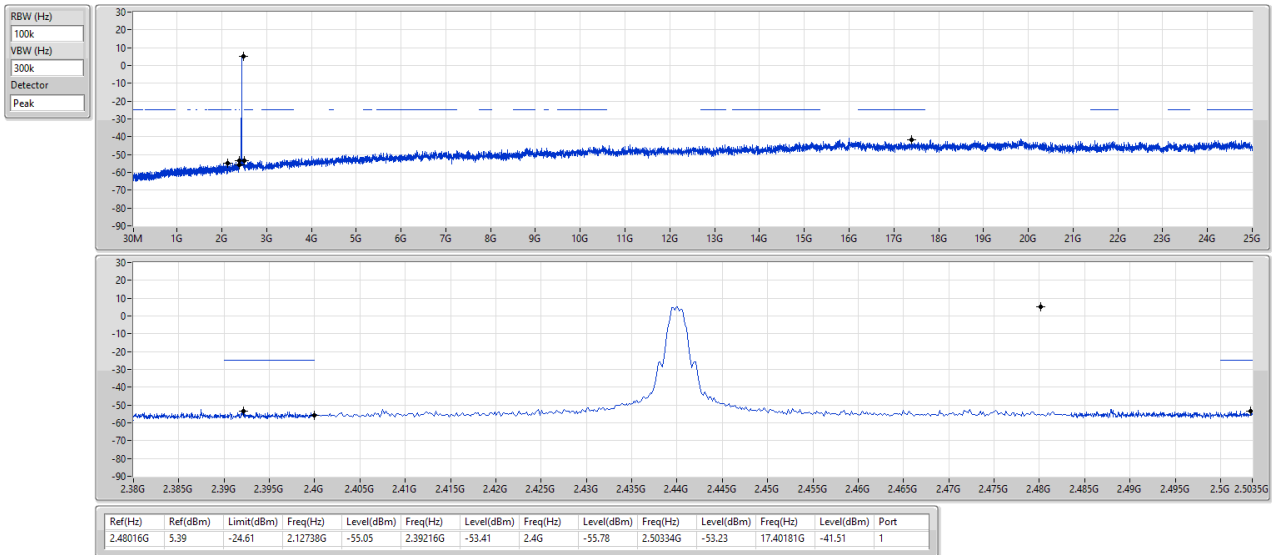


2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2440MHz

26/12/2022

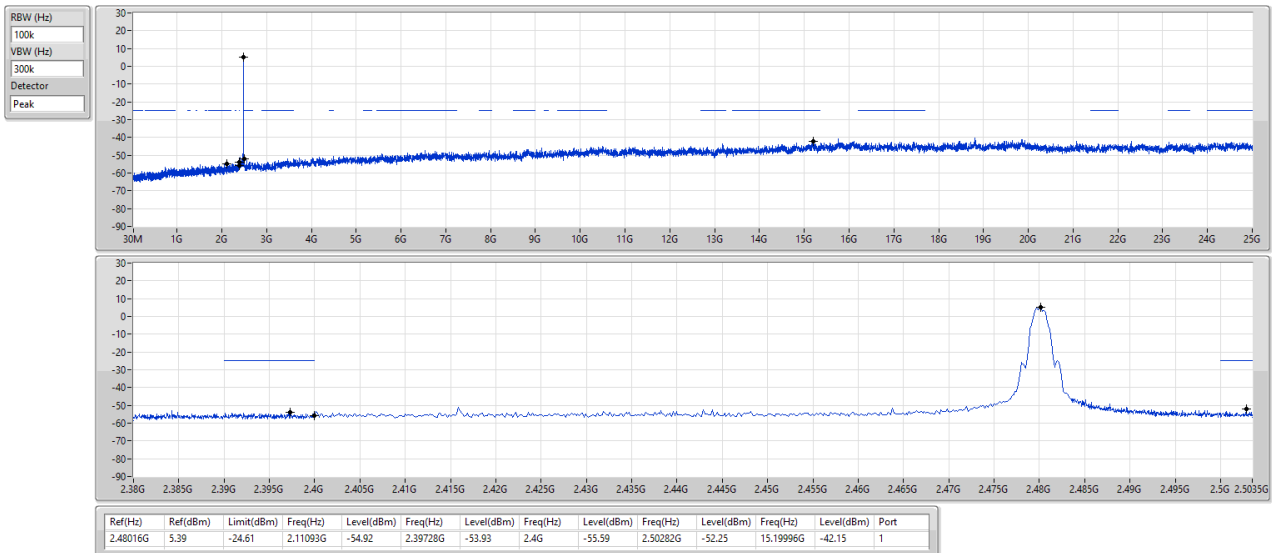


2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2480MHz

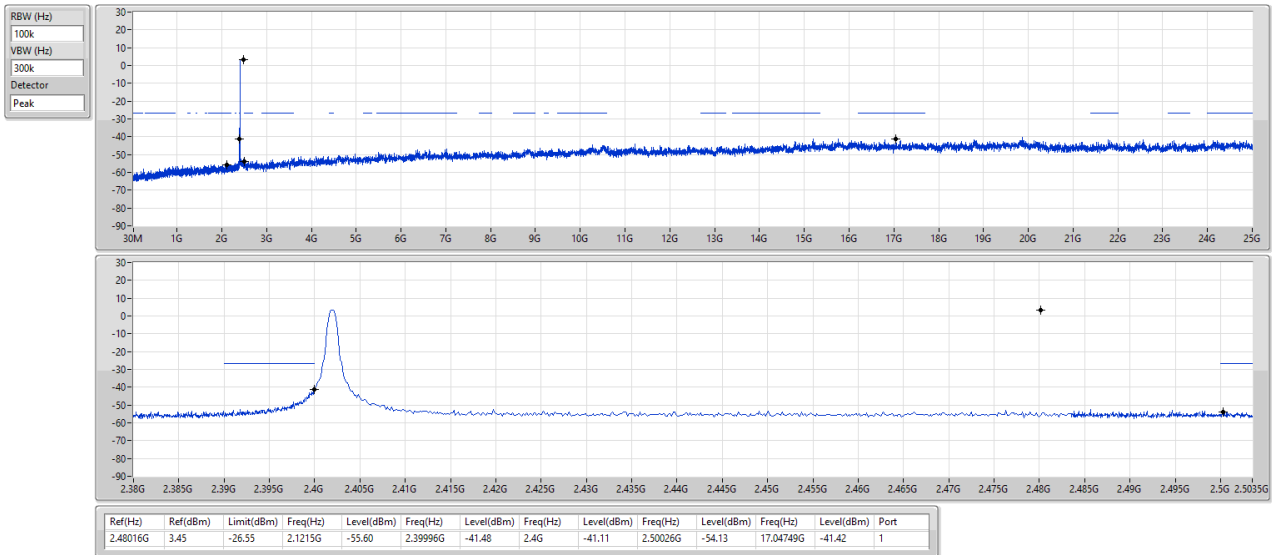
26/12/2022



2.4-2.4835GHz_BT-LE(125kbps)

CSEndB-DTS

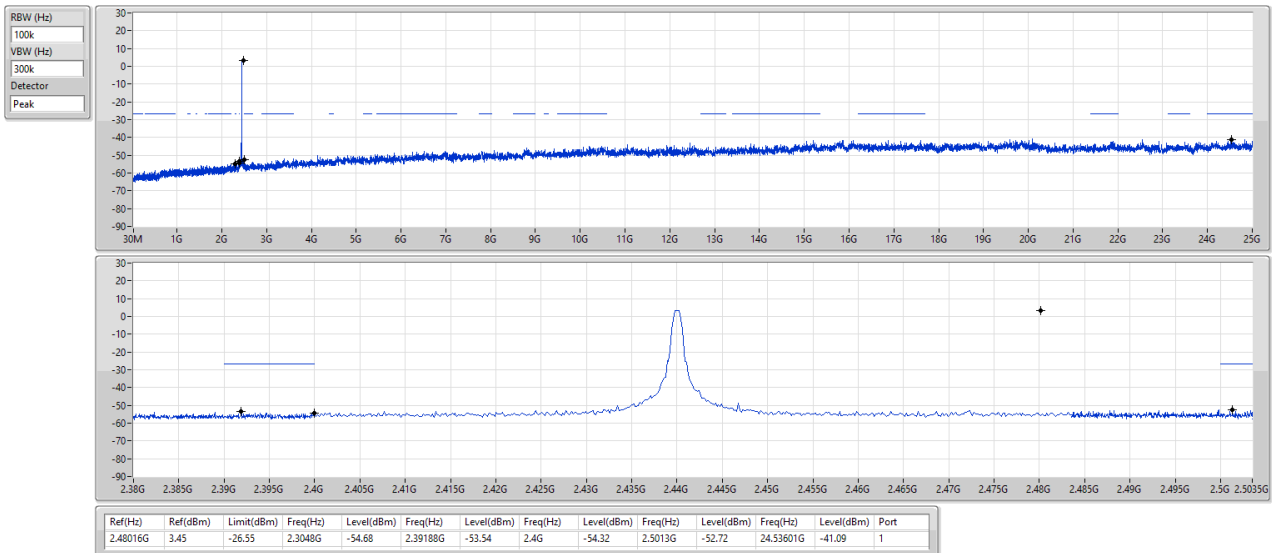
2402MHz



2.4-2.4835GHz_BT-LE(125kbps)

CSEndB-DTS

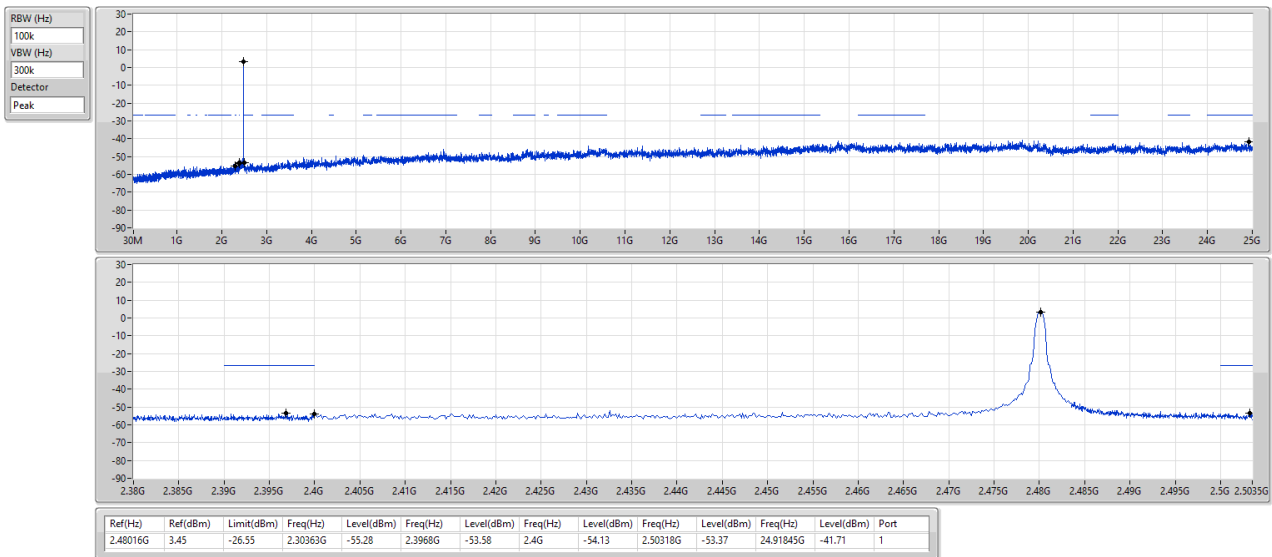
2440MHz



2.4-2.4835GHz_BT-LE(125kbps)

CSEndB-DTS

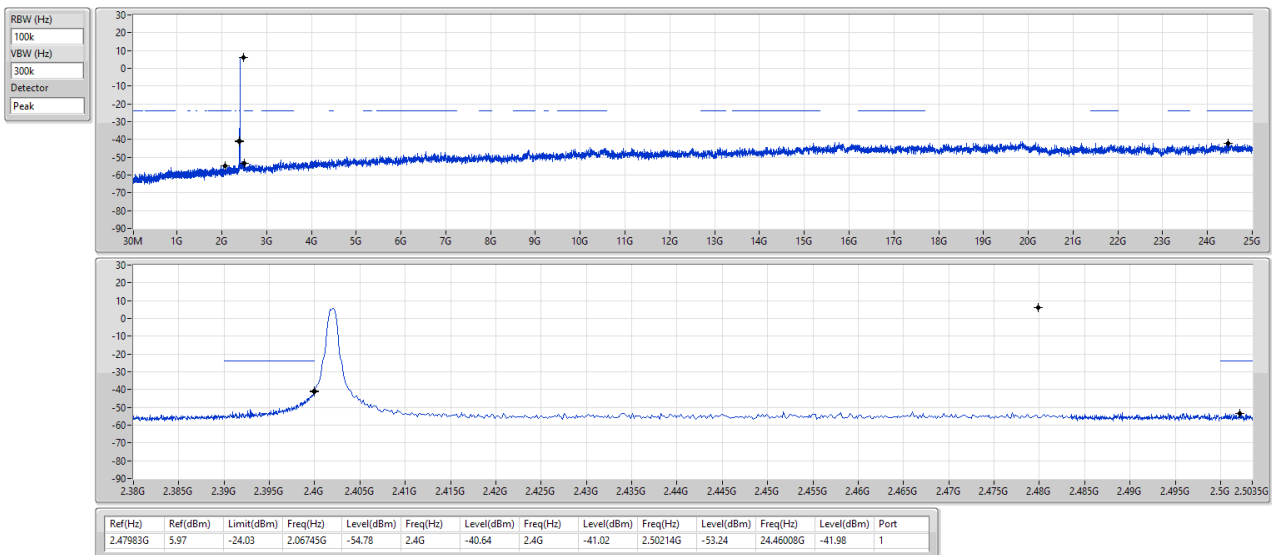
2480MHz



2.4-2.4835GHz_BT-LE(500kbps)

CSEndB-DTS

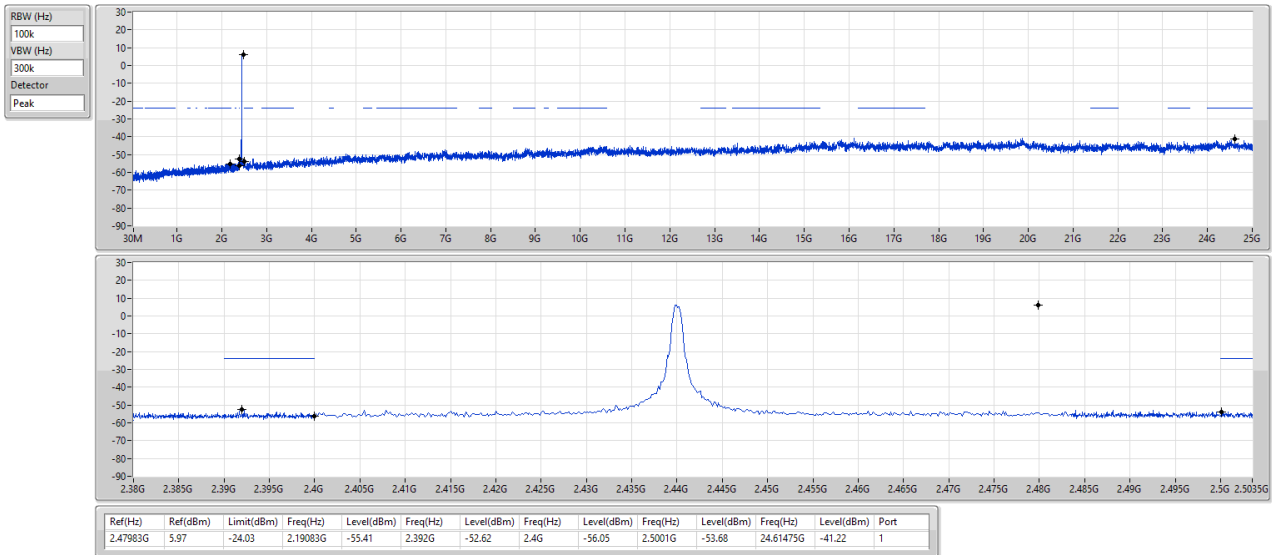
2402MHz



2.4-2.4835GHz_BT-LE(500kbps)

CSEndB-DTS

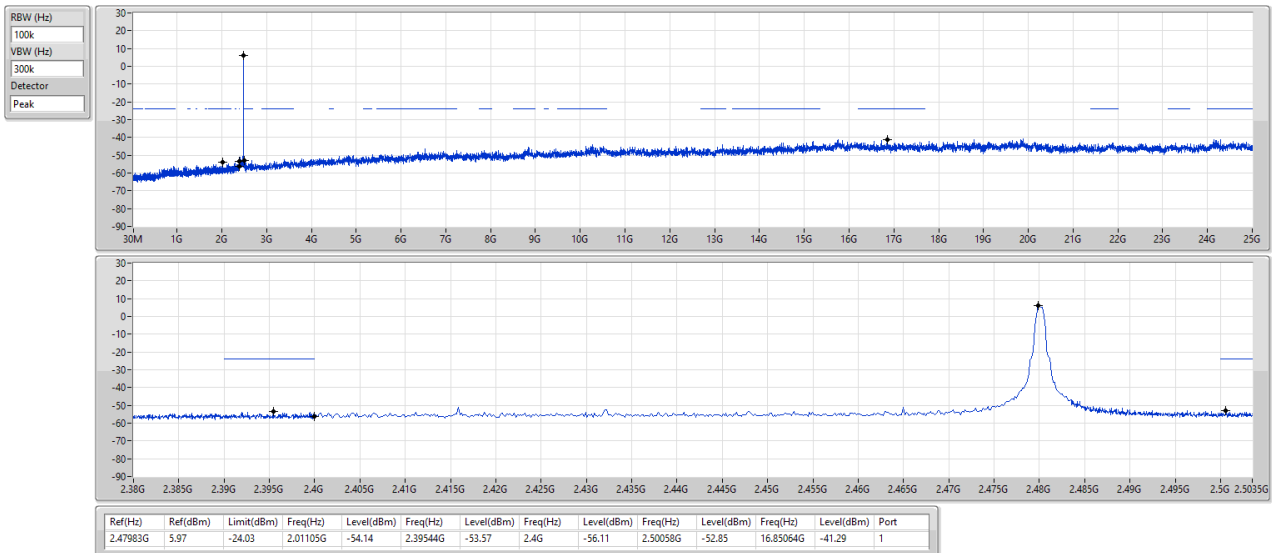
2440MHz



2.4-2.4835GHz_BT-LE(500kbps)

CSEndB-DTS

2480MHz





Summary

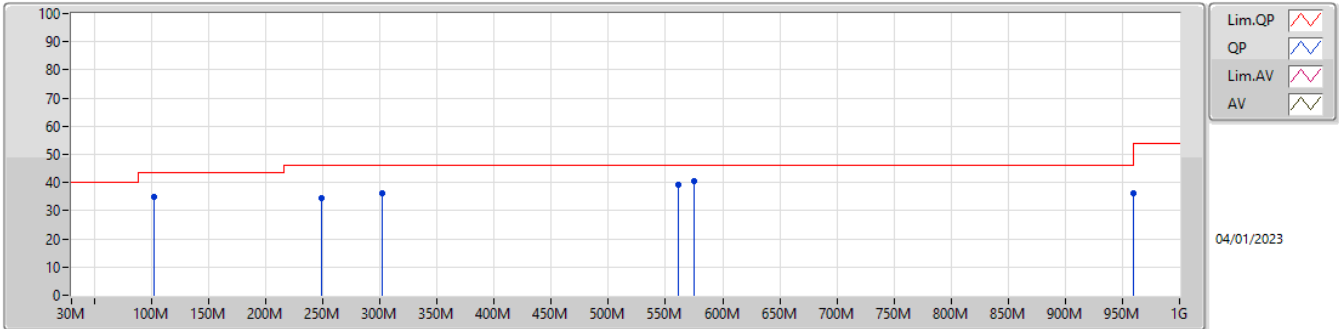
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	95.96M	40.09	43.50	-3.41	3	Horizontal	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2480MHz	Pass	PK	101.78M	34.88	43.50	-8.62	3	Vertical	360	1.00
2480MHz	Pass	PK	249.22M	34.28	46.00	-11.72	3	Vertical	360	1.00
2480MHz	Pass	PK	301.6M	36.37	46.00	-9.63	3	Vertical	360	1.00
2480MHz	Pass	PK	561.56M	39.34	46.00	-6.66	3	Vertical	360	1.00
2480MHz	Pass	PK	575.14M	40.35	46.00	-5.65	3	Vertical	360	1.00
2480MHz	Pass	PK	959.26M	36.26	46.00	-9.74	3	Vertical	360	1.00
2480MHz	Pass	PK	95.96M	40.09	43.50	-3.41	3	Horizontal	0	1.00
2480MHz	Pass	PK	192.96M	37.40	43.50	-6.10	3	Horizontal	0	1.00
2480MHz	Pass	PK	297.72M	37.82	46.00	-8.18	3	Horizontal	0	1.00
2480MHz	Pass	PK	319.06M	32.12	46.00	-13.88	3	Horizontal	0	1.00
2480MHz	Pass	PK	575.14M	30.92	46.00	-15.08	3	Horizontal	0	1.00
2480MHz	Pass	PK	959.26M	36.64	46.00	-9.36	3	Horizontal	0	1.00

2.4-2.4835GHz_BT-LE(2Mbps)

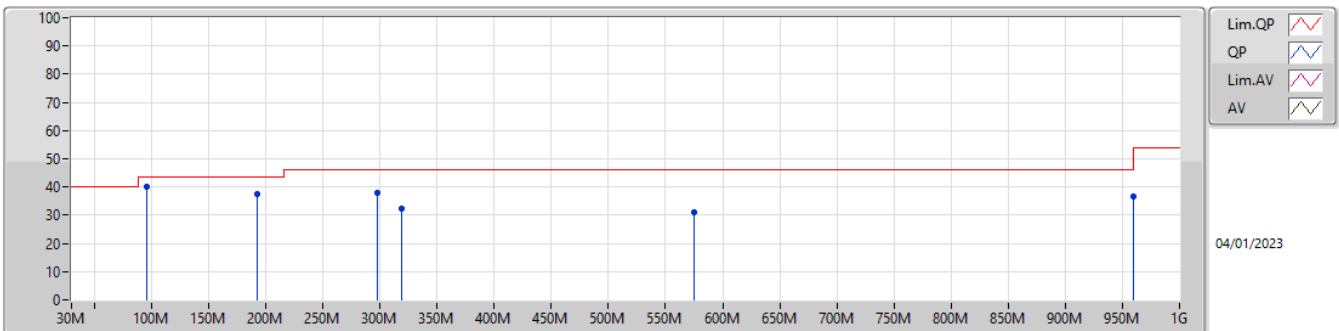
2480MHz_PoE



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	101.78M	34.88	43.50	-8.62	-20.10	3	Vertical	360	1.00	54.98	15.43	1.11	36.64
PK	249.22M	34.28	46.00	-11.72	-16.99	3	Vertical	360	1.00	51.27	17.59	1.90	36.48
PK	301.6M	36.37	46.00	-9.63	-15.96	3	Vertical	360	1.00	52.33	18.37	2.08	36.41
PK	561.56M	39.34	46.00	-6.66	-9.18	3	Vertical	360	1.00	48.52	25.26	2.68	37.12
PK	575.14M	40.35	46.00	-5.65	-9.40	3	Vertical	360	1.00	49.75	24.96	2.75	37.11
PK	959.26M	36.26	46.00	-9.74	-3.47	3	Vertical	360	1.00	39.73	30.07	3.77	37.31

2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_PoE



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	95.96M	40.09	43.50	-3.41	-20.86	3	Horizontal	0	1.00	60.95	14.71	1.09	36.66
PK	192.96M	37.40	43.50	-6.10	-20.74	3	Horizontal	0	1.00	58.14	14.02	1.58	36.34
PK	297.72M	37.82	46.00	-8.18	-16.01	3	Horizontal	0	1.00	53.83	18.34	2.06	36.41
PK	319.06M	32.12	46.00	-13.88	-15.72	3	Horizontal	0	1.00	47.84	18.59	2.15	36.46
PK	575.14M	30.92	46.00	-15.08	-9.40	3	Horizontal	0	1.00	40.32	24.96	2.75	37.11
PK	959.26M	36.64	46.00	-9.36	-3.47	3	Horizontal	0	1.00	40.11	30.07	3.77	37.31



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	2.4836G	46.02	54.00	-7.98	3	Horizontal	4	1.43
BT-LE(125kbps)	Pass	AV	2.4835G	45.91	54.00	-8.09	3	Horizontal	4	1.43
BT-LE(500kbps)	Pass	AV	2.4835G	45.90	54.00	-8.10	3	Horizontal	6	1.44
BT-LE(2Mbps)	Pass	AV	2.4835G	48.31	54.00	-5.69	3	Horizontal	4	1.43

Result

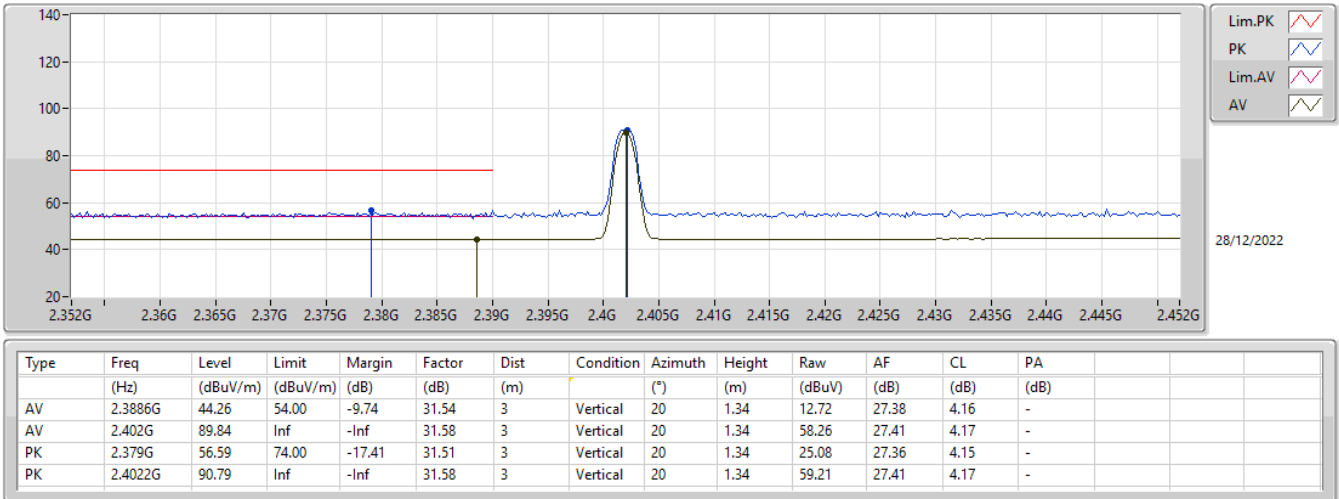
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3886G	44.26	54.00	-9.74	3	Vertical	20	1.34
2402MHz	Pass	AV	2.402G	89.84	Inf	-Inf	3	Vertical	20	1.34
2402MHz	Pass	PK	2.379G	56.59	74.00	-17.41	3	Vertical	20	1.34
2402MHz	Pass	PK	2.4022G	90.79	Inf	-Inf	3	Vertical	20	1.34
2402MHz	Pass	AV	2.37G	44.56	54.00	-9.44	3	Horizontal	12	2.51
2402MHz	Pass	AV	2.402G	102.31	Inf	-Inf	3	Horizontal	12	2.51
2402MHz	Pass	PK	2.3682G	57.28	74.00	-16.72	3	Horizontal	12	2.51
2402MHz	Pass	PK	2.4018G	103.21	Inf	-Inf	3	Horizontal	12	2.51
2402MHz	Pass	AV	4.80357G	34.90	54.00	-19.10	3	Vertical	360	2.21
2402MHz	Pass	PK	4.80332G	46.42	74.00	-27.58	3	Vertical	360	2.21
2402MHz	Pass	AV	4.80366G	36.55	54.00	-17.45	3	Horizontal	41	1.77
2402MHz	Pass	PK	4.80344G	47.44	74.00	-26.56	3	Horizontal	41	1.77
2440MHz	Pass	AV	2.3884G	44.45	54.00	-9.55	3	Vertical	339	2.68
2440MHz	Pass	AV	2.44G	91.30	Inf	-Inf	3	Vertical	339	2.68
2440MHz	Pass	AV	2.4884G	45.18	54.00	-8.82	3	Vertical	339	2.68
2440MHz	Pass	PK	2.3456G	56.87	74.00	-17.13	3	Vertical	339	2.68
2440MHz	Pass	PK	2.4404G	92.25	Inf	-Inf	3	Vertical	339	2.68
2440MHz	Pass	PK	2.4876G	56.87	74.00	-17.13	3	Vertical	339	2.68
2440MHz	Pass	AV	2.376G	44.59	54.00	-9.41	3	Horizontal	2	1.72
2440MHz	Pass	AV	2.44G	101.86	Inf	-Inf	3	Horizontal	2	1.72
2440MHz	Pass	AV	2.4996G	45.23	54.00	-8.77	3	Horizontal	2	1.72
2440MHz	Pass	PK	2.3564G	56.83	74.00	-17.17	3	Horizontal	2	1.72
2440MHz	Pass	PK	2.4396G	102.69	Inf	-Inf	3	Horizontal	2	1.72
2440MHz	Pass	PK	2.4956G	56.55	74.00	-17.45	3	Horizontal	2	1.72
2440MHz	Pass	AV	4.88005G	34.08	54.00	-19.92	3	Vertical	61	2.78
2440MHz	Pass	PK	4.87693G	45.70	74.00	-28.30	3	Vertical	61	2.78
2440MHz	Pass	AV	4.87958G	34.08	54.00	-19.92	3	Horizontal	183	2.46
2440MHz	Pass	PK	4.88005G	45.14	74.00	-28.86	3	Horizontal	183	2.46
2480MHz	Pass	AV	2.48G	89.26	Inf	-Inf	3	Vertical	21	1.30
2480MHz	Pass	AV	2.4902G	45.29	54.00	-8.71	3	Vertical	21	1.30
2480MHz	Pass	PK	2.4798G	90.25	Inf	-Inf	3	Vertical	21	1.30
2480MHz	Pass	PK	2.4994G	57.56	74.00	-16.44	3	Vertical	21	1.30
2480MHz	Pass	AV	2.48G	100.06	Inf	-Inf	3	Horizontal	4	1.43
2480MHz	Pass	AV	2.4836G	46.02	54.00	-7.98	3	Horizontal	4	1.43
2480MHz	Pass	PK	2.4798G	100.96	Inf	-Inf	3	Horizontal	4	1.43
2480MHz	Pass	PK	2.4954G	56.47	74.00	-17.53	3	Horizontal	4	1.43
2480MHz	Pass	AV	4.95966G	34.60	54.00	-19.40	3	Vertical	33	1.50
2480MHz	Pass	PK	4.96054G	46.24	74.00	-27.76	3	Vertical	33	1.50
2480MHz	Pass	AV	4.95982G	34.56	54.00	-19.44	3	Horizontal	215	1.30
2480MHz	Pass	PK	4.9616G	45.59	74.00	-28.41	3	Horizontal	215	1.30
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3878G	44.45	54.00	-9.55	3	Vertical	22	1.34
2402MHz	Pass	AV	2.402G	88.14	Inf	-Inf	3	Vertical	22	1.34
2402MHz	Pass	PK	2.3884G	57.01	74.00	-16.99	3	Vertical	22	1.34
2402MHz	Pass	PK	2.4016G	90.65	Inf	-Inf	3	Vertical	22	1.34
2402MHz	Pass	AV	2.3898G	44.71	54.00	-9.29	3	Horizontal	6	1.74
2402MHz	Pass	AV	2.402G	100.45	Inf	-Inf	3	Horizontal	6	1.74
2402MHz	Pass	PK	2.3696G	56.95	74.00	-17.05	3	Horizontal	6	1.74
2402MHz	Pass	PK	2.4024G	102.90	Inf	-Inf	3	Horizontal	6	1.74
2402MHz	Pass	AV	4.80491G	35.18	54.00	-18.82	3	Vertical	59	3.00
2402MHz	Pass	PK	4.80334G	47.07	74.00	-26.93	3	Vertical	59	3.00
2402MHz	Pass	AV	4.80499G	35.21	54.00	-18.79	3	Horizontal	104	1.21
2402MHz	Pass	PK	4.80491G	46.75	74.00	-27.25	3	Horizontal	104	1.21
2440MHz	Pass	AV	2.376G	44.43	54.00	-9.57	3	Vertical	340	2.68
2440MHz	Pass	AV	2.44G	89.77	Inf	-Inf	3	Vertical	340	2.68
2440MHz	Pass	AV	2.4964G	45.32	54.00	-8.68	3	Vertical	340	2.68
2440MHz	Pass	PK	2.3704G	56.26	74.00	-17.74	3	Vertical	340	2.68
2440MHz	Pass	PK	2.4404G	92.20	Inf	-Inf	3	Vertical	340	2.68
2440MHz	Pass	PK	2.4904G	57.22	74.00	-16.78	3	Vertical	340	2.68
2440MHz	Pass	AV	2.376G	44.62	54.00	-9.38	3	Horizontal	5	1.72

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2440MHz	Pass	AV	2.44G	100.20	Inf	-Inf	3	Horizontal	5	1.72
2440MHz	Pass	AV	2.4976G	45.26	54.00	-8.74	3	Horizontal	5	1.72
2440MHz	Pass	PK	2.3776G	57.12	74.00	-16.88	3	Horizontal	5	1.72
2440MHz	Pass	PK	2.4404G	102.56	Inf	-Inf	3	Horizontal	5	1.72
2440MHz	Pass	PK	2.5G	56.82	74.00	-17.18	3	Horizontal	5	1.72
2440MHz	Pass	AV	4.88045G	33.83	54.00	-20.17	3	Vertical	69	2.99
2440MHz	Pass	PK	4.88042G	46.07	74.00	-27.93	3	Vertical	69	2.99
2440MHz	Pass	AV	4.88102G	34.15	54.00	-19.85	3	Horizontal	31	1.39
2440MHz	Pass	PK	4.87888G	45.99	74.00	-28.01	3	Horizontal	31	1.39
2480MHz	Pass	AV	2.48G	87.76	Inf	-Inf	3	Vertical	18	1.30
2480MHz	Pass	AV	2.4835G	45.44	54.00	-8.56	3	Vertical	18	1.30
2480MHz	Pass	PK	2.4794G	90.26	Inf	-Inf	3	Vertical	18	1.30
2480MHz	Pass	PK	2.489G	56.67	74.00	-17.33	3	Vertical	18	1.30
2480MHz	Pass	AV	2.48G	98.70	Inf	-Inf	3	Horizontal	4	1.43
2480MHz	Pass	AV	2.4835G	48.31	54.00	-5.69	3	Horizontal	4	1.43
2480MHz	Pass	PK	2.4794G	101.08	Inf	-Inf	3	Horizontal	4	1.43
2480MHz	Pass	PK	2.4835G	57.85	74.00	-16.15	3	Horizontal	4	1.43
2480MHz	Pass	AV	4.95902G	35.00	54.00	-19.00	3	Vertical	306	2.81
2480MHz	Pass	PK	4.9636G	46.58	74.00	-27.42	3	Vertical	306	2.81
2480MHz	Pass	AV	4.9609G	35.04	54.00	-18.96	3	Horizontal	72	1.51
2480MHz	Pass	PK	4.96366G	47.47	74.00	-26.53	3	Horizontal	72	1.51
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.39G	44.28	54.00	-9.72	3	Vertical	23	1.34
2402MHz	Pass	AV	2.402G	89.67	Inf	-Inf	3	Vertical	23	1.34
2402MHz	Pass	PK	2.357G	56.49	74.00	-17.51	3	Vertical	23	1.34
2402MHz	Pass	PK	2.4018G	90.74	Inf	-Inf	3	Vertical	23	1.34
2402MHz	Pass	AV	2.3698G	44.55	54.00	-9.45	3	Horizontal	16	2.52
2402MHz	Pass	AV	2.402G	102.11	Inf	-Inf	3	Horizontal	16	2.52
2402MHz	Pass	PK	2.3894G	56.42	74.00	-17.58	3	Horizontal	16	2.52
2402MHz	Pass	PK	2.4022G	103.13	Inf	-Inf	3	Horizontal	16	2.52
2402MHz	Pass	AV	4.95949G	33.58	54.00	-20.42	3	Vertical	169	2.86
2402MHz	Pass	PK	4.9592G	45.66	74.00	-28.34	3	Vertical	169	2.86
2402MHz	Pass	AV	4.95757G	33.57	54.00	-20.43	3	Horizontal	282	2.08
2402MHz	Pass	PK	4.95779G	46.29	74.00	-27.71	3	Horizontal	282	2.08
2440MHz	Pass	AV	2.3872G	44.26	54.00	-9.74	3	Vertical	343	2.68
2440MHz	Pass	AV	2.44G	91.06	Inf	-Inf	3	Vertical	343	2.68
2440MHz	Pass	AV	2.4964G	45.06	54.00	-8.94	3	Vertical	343	2.68
2440MHz	Pass	PK	2.3856G	56.47	74.00	-17.53	3	Vertical	343	2.68
2440MHz	Pass	PK	2.4404G	92.17	Inf	-Inf	3	Vertical	343	2.68
2440MHz	Pass	PK	2.4876G	56.32	74.00	-17.68	3	Vertical	343	2.68
2440MHz	Pass	AV	2.376G	44.43	54.00	-9.57	3	Horizontal	7	1.74
2440MHz	Pass	AV	2.44G	101.49	Inf	-Inf	3	Horizontal	7	1.74
2440MHz	Pass	AV	2.496G	45.06	54.00	-8.94	3	Horizontal	7	1.74
2440MHz	Pass	PK	2.374G	56.52	74.00	-17.48	3	Horizontal	7	1.74
2440MHz	Pass	PK	2.4404G	102.53	Inf	-Inf	3	Horizontal	7	1.74
2440MHz	Pass	PK	2.4868G	57.56	74.00	-16.44	3	Horizontal	7	1.74
2440MHz	Pass	AV	4.87897G	33.25	54.00	-20.75	3	Vertical	163	2.79
2440MHz	Pass	PK	4.88016G	45.45	74.00	-28.55	3	Vertical	163	2.79
2440MHz	Pass	AV	4.87947G	33.59	54.00	-20.41	3	Horizontal	143	1.64
2440MHz	Pass	PK	4.87999G	45.87	74.00	-28.13	3	Horizontal	143	1.64
2480MHz	Pass	AV	2.48G	89.04	Inf	-Inf	3	Vertical	21	1.30
2480MHz	Pass	AV	2.4835G	45.10	54.00	-8.90	3	Vertical	21	1.30
2480MHz	Pass	PK	2.4798G	90.20	Inf	-Inf	3	Vertical	21	1.30
2480MHz	Pass	PK	2.4968G	56.86	74.00	-17.14	3	Vertical	21	1.30
2480MHz	Pass	AV	2.48G	99.91	Inf	-Inf	3	Horizontal	4	1.43
2480MHz	Pass	AV	2.4835G	45.91	54.00	-8.09	3	Horizontal	4	1.43
2480MHz	Pass	PK	2.4798G	100.97	Inf	-Inf	3	Horizontal	4	1.43
2480MHz	Pass	PK	2.4844G	56.87	74.00	-17.13	3	Horizontal	4	1.43
2480MHz	Pass	AV	4.95936G	33.57	54.00	-20.43	3	Vertical	23	1.16
2480MHz	Pass	PK	4.95985G	45.24	74.00	-28.76	3	Vertical	23	1.16
2480MHz	Pass	AV	4.95947G	33.56	54.00	-20.44	3	Horizontal	3	2.33
2480MHz	Pass	PK	4.96031G	45.56	74.00	-28.44	3	Horizontal	3	2.33

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3866G	44.25	54.00	-9.75	3	Vertical	25	1.34
2402MHz	Pass	AV	2.402G	89.76	Inf	-Inf	3	Vertical	25	1.34
2402MHz	Pass	PK	2.3892G	56.53	74.00	-17.47	3	Vertical	25	1.34
2402MHz	Pass	PK	2.4018G	90.70	Inf	-Inf	3	Vertical	25	1.34
2402MHz	Pass	AV	2.3702G	44.52	54.00	-9.48	3	Horizontal	8	1.73
2402MHz	Pass	AV	2.402G	102.04	Inf	-Inf	3	Horizontal	8	1.73
2402MHz	Pass	PK	2.3596G	56.68	74.00	-17.32	3	Horizontal	8	1.73
2402MHz	Pass	PK	2.4022G	102.93	Inf	-Inf	3	Horizontal	8	1.73
2402MHz	Pass	AV	4.80156G	33.92	54.00	-20.08	3	Vertical	300	2.32
2402MHz	Pass	PK	4.80215G	45.31	74.00	-28.69	3	Vertical	300	2.32
2402MHz	Pass	AV	4.80172G	33.90	54.00	-20.10	3	Horizontal	336	2.07
2402MHz	Pass	PK	4.80252G	45.93	74.00	-28.07	3	Horizontal	336	2.07
2402MHz	Pass	AV	2.3864G	44.25	54.00	-9.75	3	Vertical	341	2.68
2440MHz	Pass	AV	2.44G	91.23	Inf	-Inf	3	Vertical	341	2.68
2440MHz	Pass	AV	2.494G	45.05	54.00	-8.95	3	Vertical	341	2.68
2440MHz	Pass	PK	2.3572G	56.30	74.00	-17.70	3	Vertical	341	2.68
2440MHz	Pass	PK	2.4404G	92.21	Inf	-Inf	3	Vertical	341	2.68
2440MHz	Pass	PK	2.4888G	56.76	74.00	-17.24	3	Vertical	341	2.68
2440MHz	Pass	AV	2.376G	44.43	54.00	-9.57	3	Horizontal	7	1.73
2440MHz	Pass	AV	2.44G	101.67	Inf	-Inf	3	Horizontal	7	1.73
2440MHz	Pass	AV	2.4988G	45.06	54.00	-8.94	3	Horizontal	7	1.73
2440MHz	Pass	PK	2.3476G	56.33	74.00	-17.67	3	Horizontal	7	1.73
2440MHz	Pass	PK	2.4404G	102.56	Inf	-Inf	3	Horizontal	7	1.73
2440MHz	Pass	PK	2.4964G	56.96	74.00	-17.04	3	Horizontal	7	1.73
2440MHz	Pass	AV	4.8792G	33.29	54.00	-20.71	3	Vertical	45	2.45
2440MHz	Pass	PK	4.87913G	45.47	74.00	-28.53	3	Vertical	45	2.45
2440MHz	Pass	AV	4.87941G	33.35	54.00	-20.65	3	Horizontal	201	2.58
2440MHz	Pass	PK	4.87751G	45.81	74.00	-28.19	3	Horizontal	201	2.58
2480MHz	Pass	AV	2.48G	89.16	Inf	-Inf	3	Vertical	20	1.29
2480MHz	Pass	AV	2.4842G	45.08	54.00	-8.92	3	Vertical	20	1.29
2480MHz	Pass	PK	2.4798G	90.23	Inf	-Inf	3	Vertical	20	1.29
2480MHz	Pass	PK	2.4894G	56.69	74.00	-17.31	3	Vertical	20	1.29
2480MHz	Pass	AV	2.48G	99.97	Inf	-Inf	3	Horizontal	6	1.44
2480MHz	Pass	AV	2.4835G	45.90	54.00	-8.10	3	Horizontal	6	1.44
2480MHz	Pass	PK	2.4798G	100.89	Inf	-Inf	3	Horizontal	6	1.44
2480MHz	Pass	PK	2.4848G	57.81	74.00	-16.19	3	Horizontal	6	1.44
2480MHz	Pass	AV	4.95942G	33.78	54.00	-20.22	3	Vertical	31	1.10
2480MHz	Pass	PK	4.96247G	45.72	74.00	-28.28	3	Vertical	31	1.10
2480MHz	Pass	AV	4.95928G	33.64	54.00	-20.36	3	Horizontal	266	2.25
2480MHz	Pass	PK	4.95788G	46.02	74.00	-27.98	3	Horizontal	266	2.25

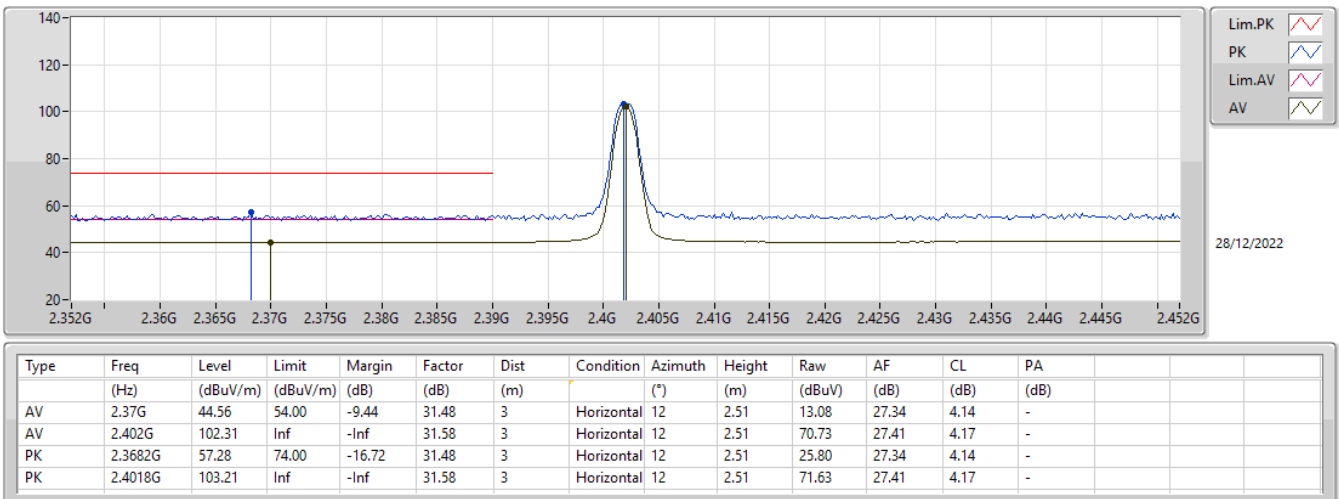
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2402MHz_TX



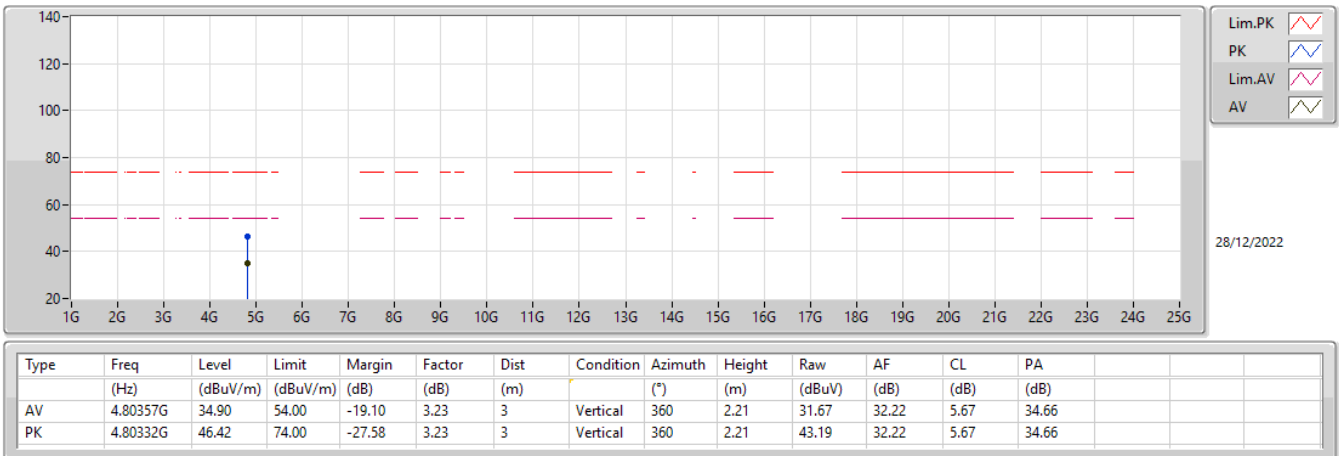
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2402MHz_TX



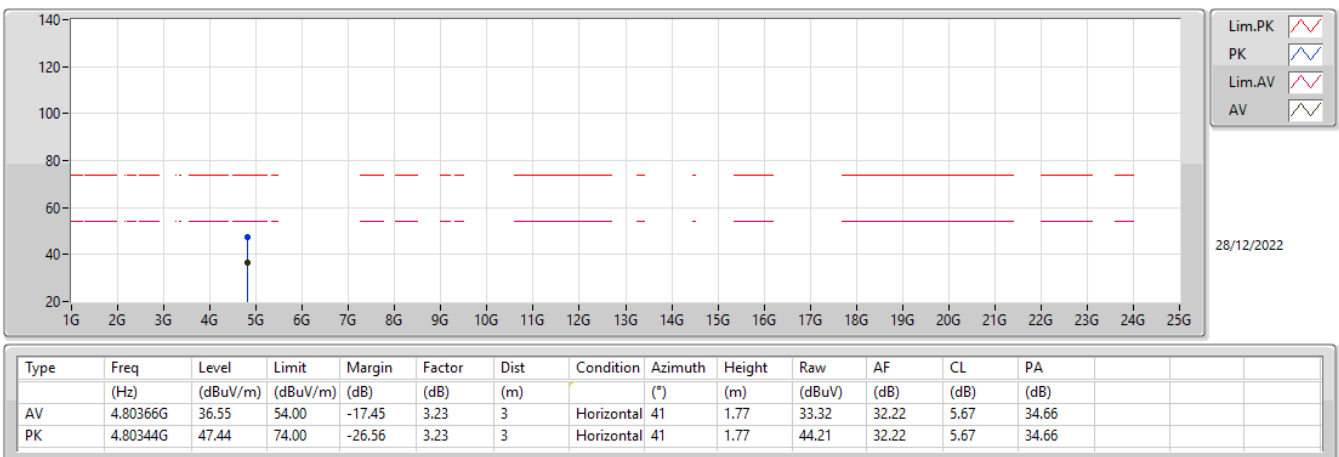
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2402MHz_TX



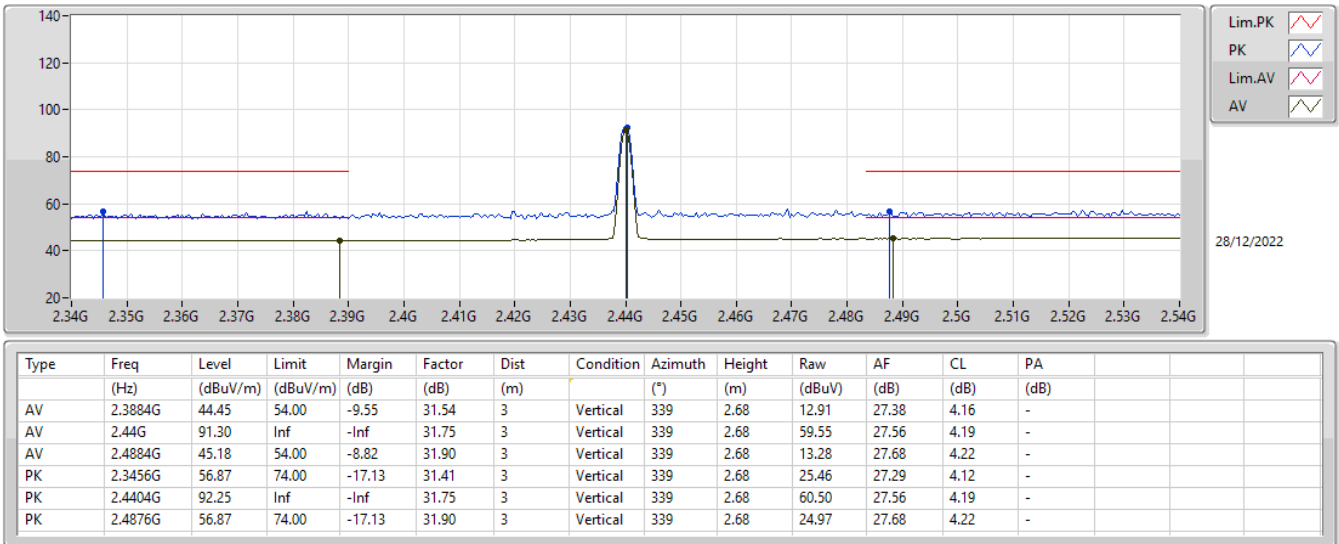
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2402MHz_TX



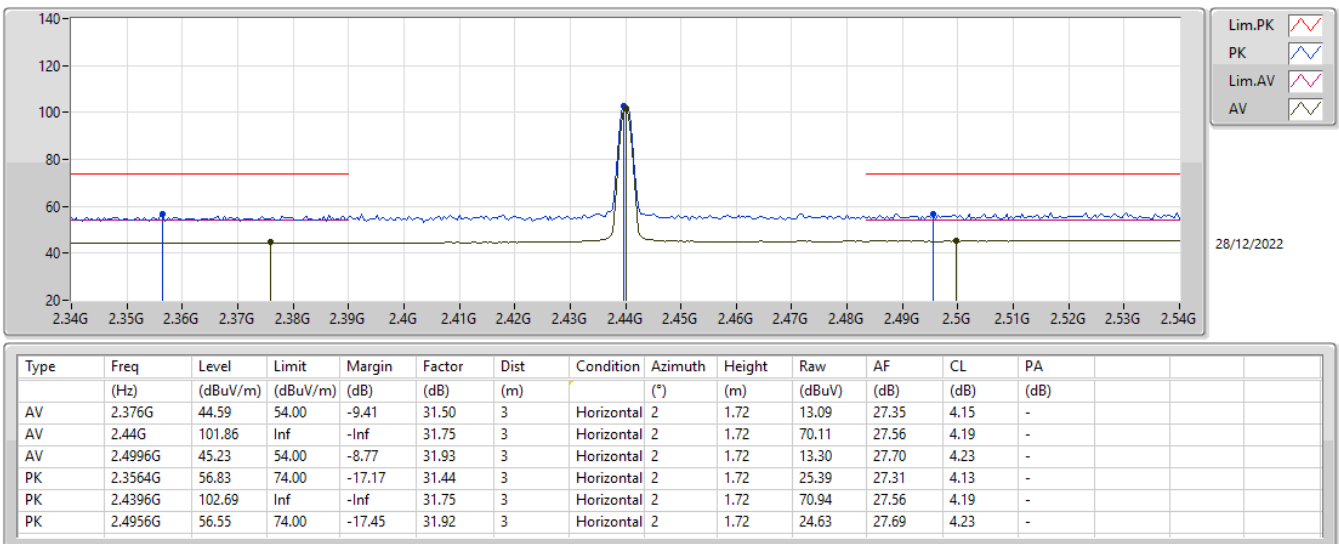
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2440MHz_TX



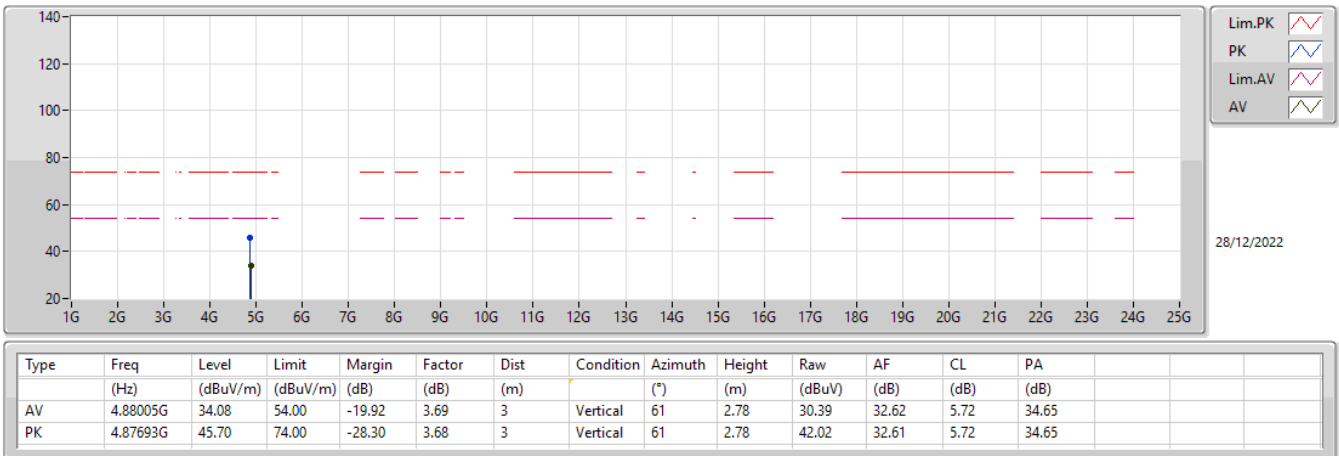
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2440MHz_TX



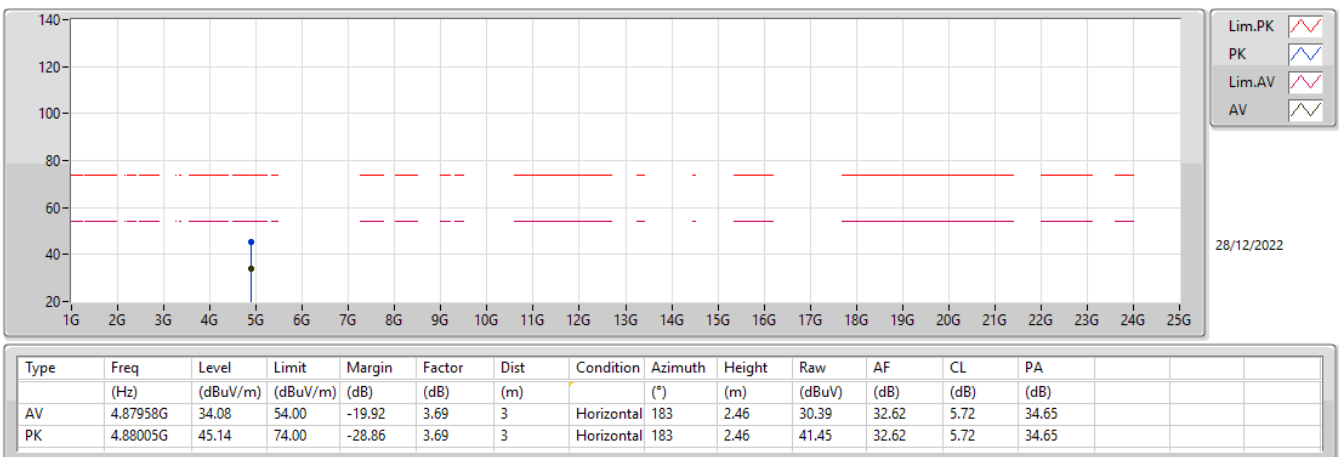
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2440MHz_TX



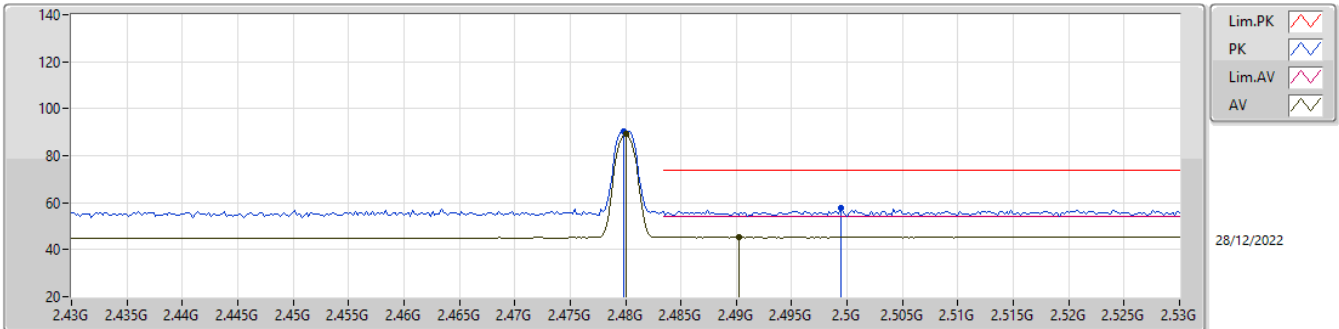
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2440MHz_TX



2.4-2.4835GHz_BT-LE(1Mbps)

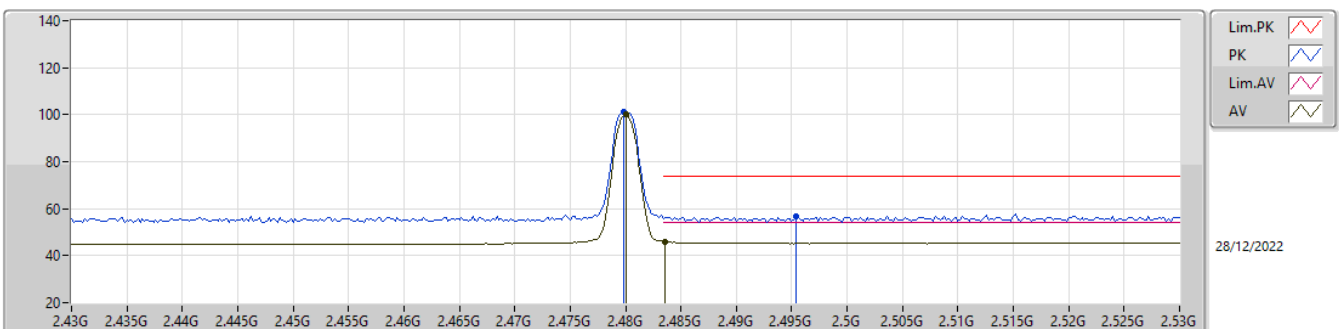
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	89.26	Inf	-Inf	31.88	3	Vertical	21	1.30	57.38	27.66	4.22	-
AV	2.4902G	45.29	54.00	-8.71	31.90	3	Vertical	21	1.30	13.39	27.68	4.22	-
PK	2.4798G	90.25	Inf	-Inf	31.88	3	Vertical	21	1.30	58.37	27.66	4.22	-
PK	2.4994G	57.56	74.00	-16.44	31.93	3	Vertical	21	1.30	25.63	27.70	4.23	-

2.4-2.4835GHz_BT-LE(1Mbps)

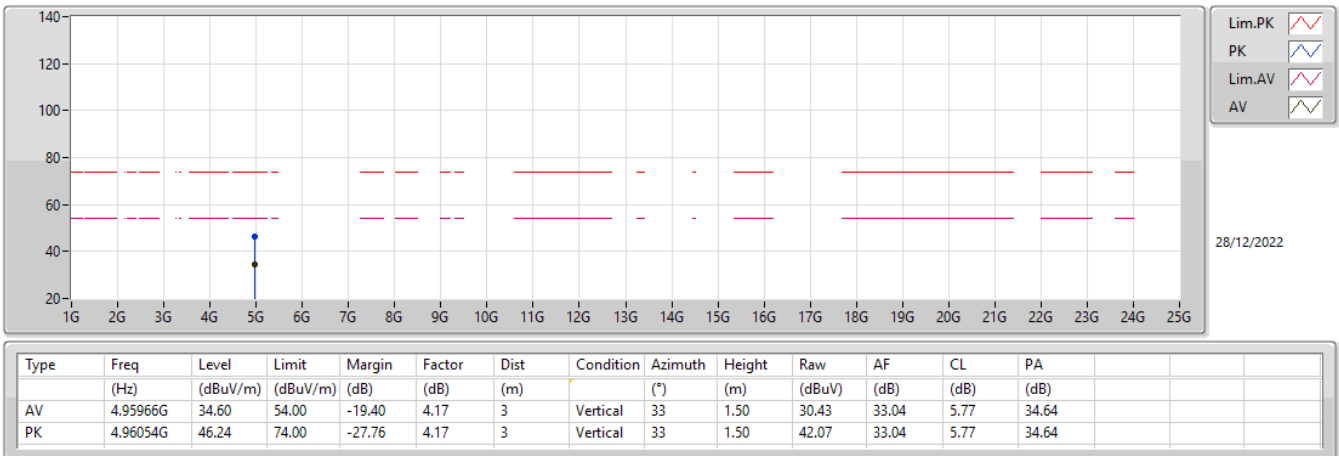
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	100.06	Inf	-Inf	31.88	3	Horizontal	4	1.43	68.18	27.66	4.22	-
AV	2.4836G	46.02	54.00	-7.98	31.89	3	Horizontal	4	1.43	14.13	27.67	4.22	-
PK	2.4798G	100.96	Inf	-Inf	31.88	3	Horizontal	4	1.43	69.08	27.66	4.22	-
PK	2.4954G	56.47	74.00	-17.53	31.92	3	Horizontal	4	1.43	24.55	27.69	4.23	-

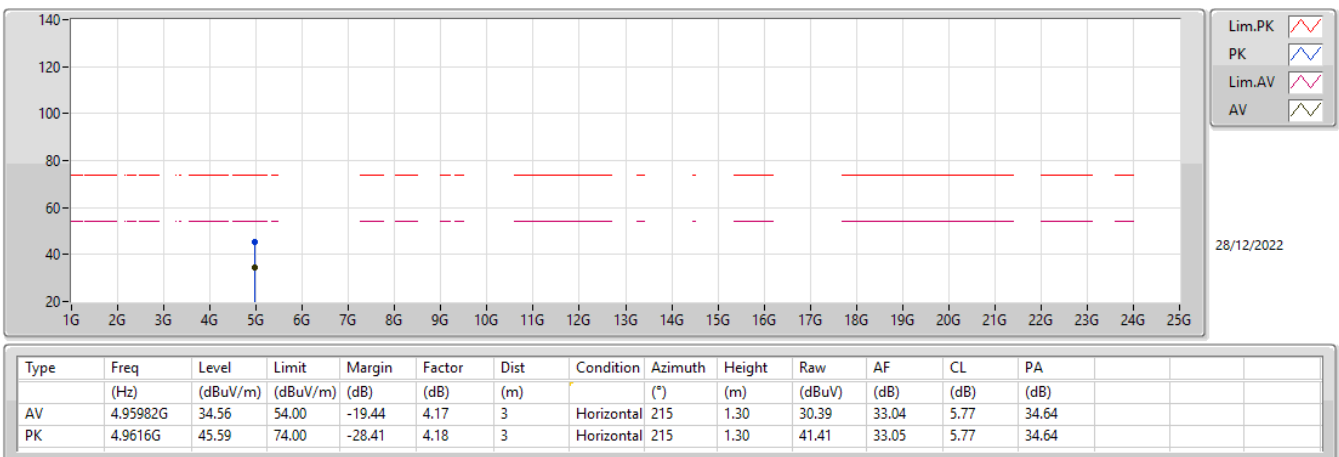
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2480MHz_TX



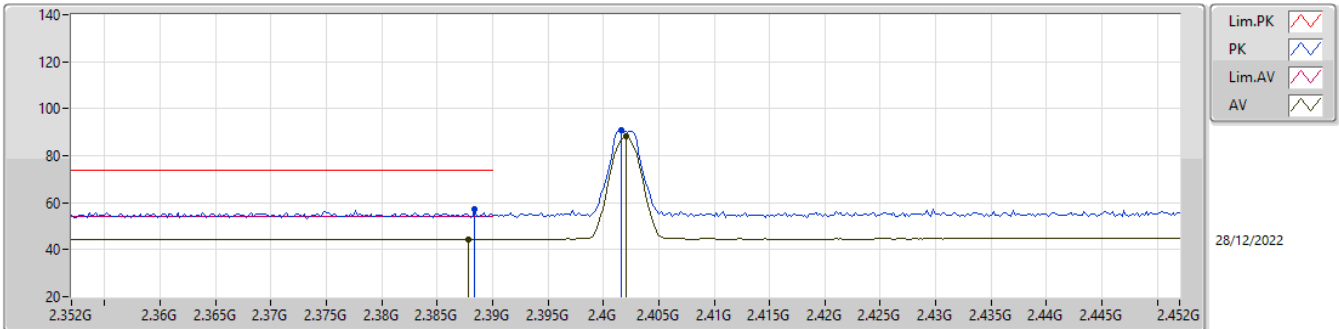
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2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

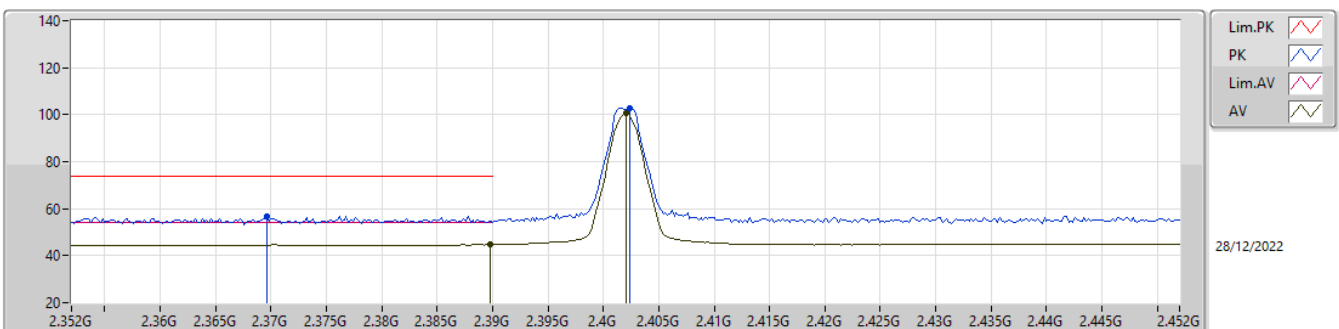
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3878G	44.45	54.00	-9.55	31.54	3	Vertical	22	1.34	12.91	27.38	4.16	-
AV	2.402G	88.14	Inf	-Inf	31.58	3	Vertical	22	1.34	56.56	27.41	4.17	-
PK	2.3884G	57.01	74.00	-16.99	31.54	3	Vertical	22	1.34	25.47	27.38	4.16	-
PK	2.4016G	90.65	Inf	-Inf	31.58	3	Vertical	22	1.34	59.07	27.41	4.17	-

2.4-2.4835GHz_BT-LE(2Mbps)

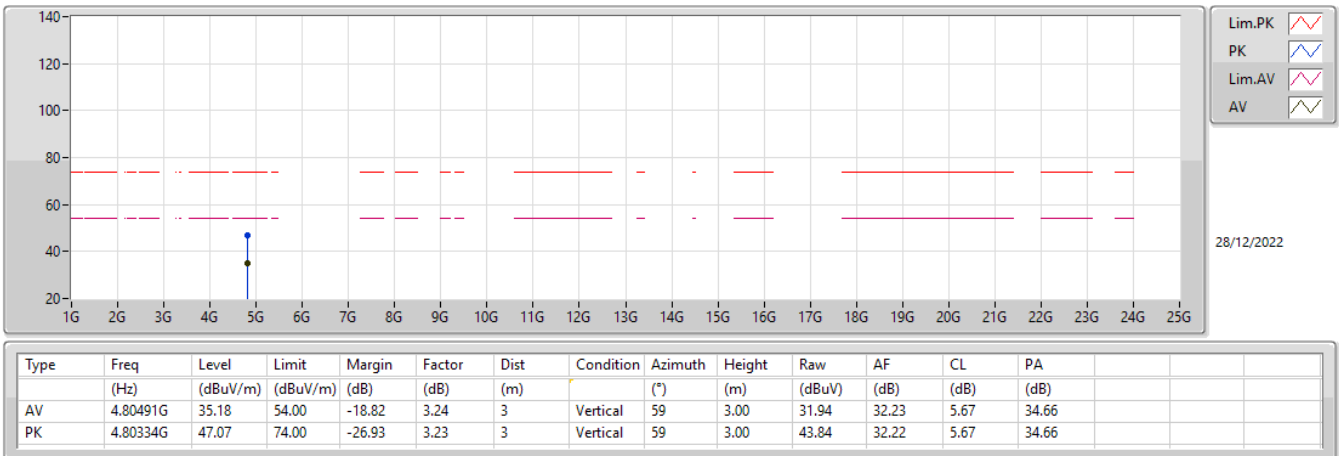
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	44.71	54.00	-9.29	31.54	3	Horizontal	6	1.74	13.17	27.38	4.16	-
AV	2.402G	100.45	Inf	-Inf	31.58	3	Horizontal	6	1.74	68.87	27.41	4.17	-
PK	2.3896G	56.95	74.00	-17.05	31.48	3	Horizontal	6	1.74	25.47	27.34	4.14	-
PK	2.4024G	102.90	Inf	-Inf	31.58	3	Horizontal	6	1.74	71.32	27.41	4.17	-

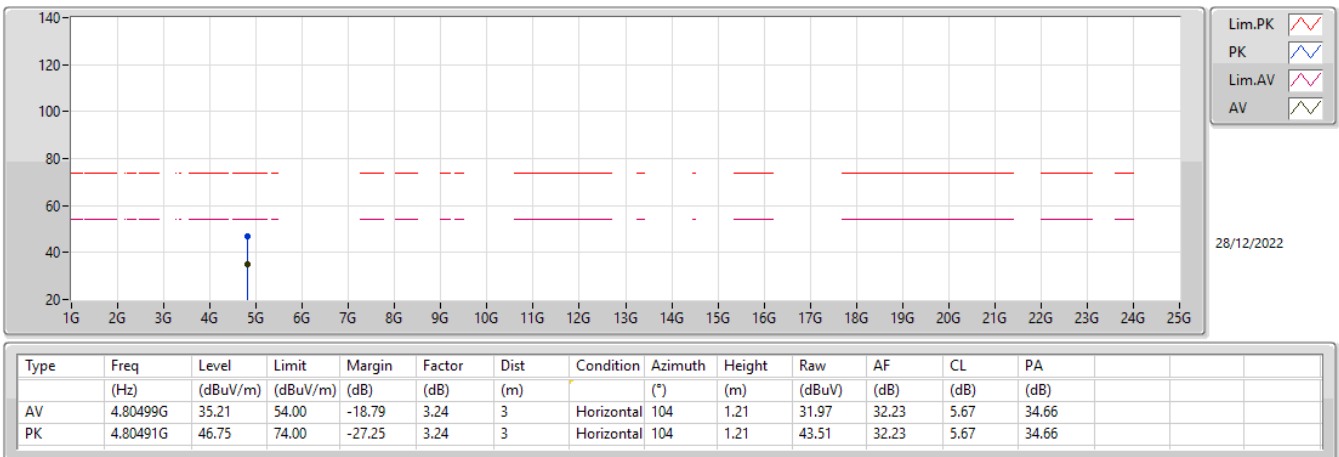
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2402MHz_TX



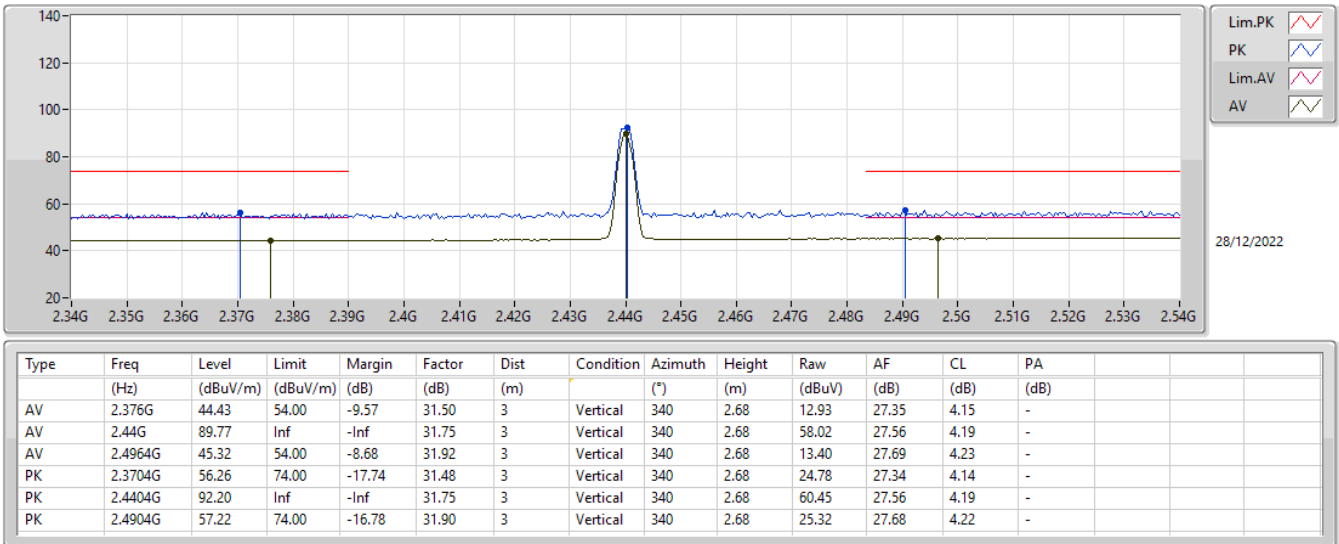
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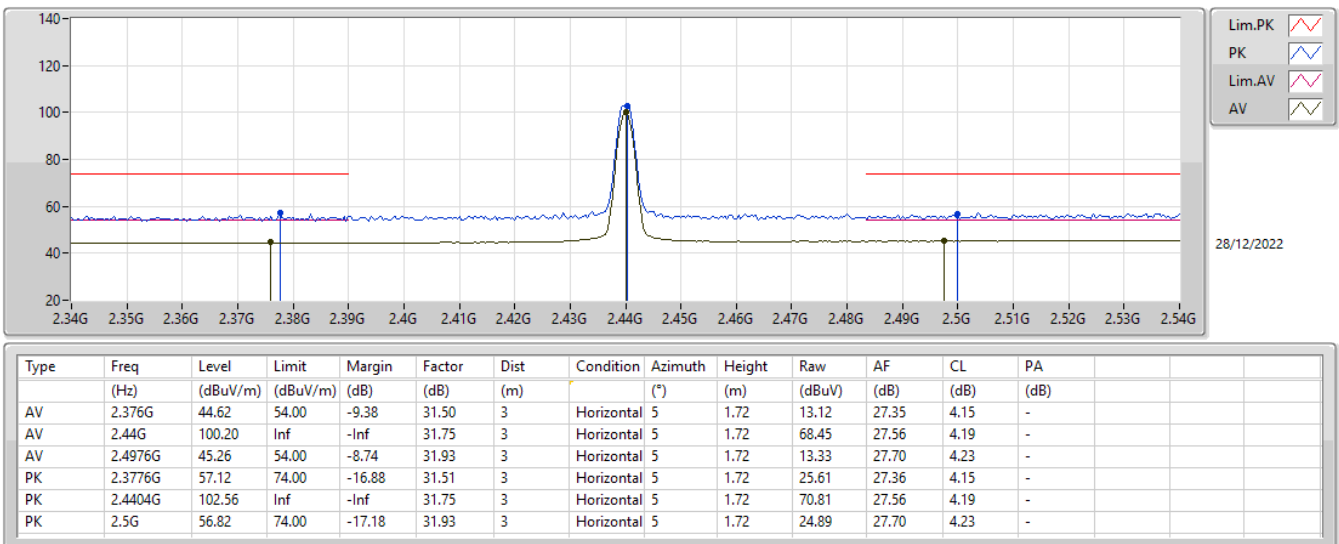
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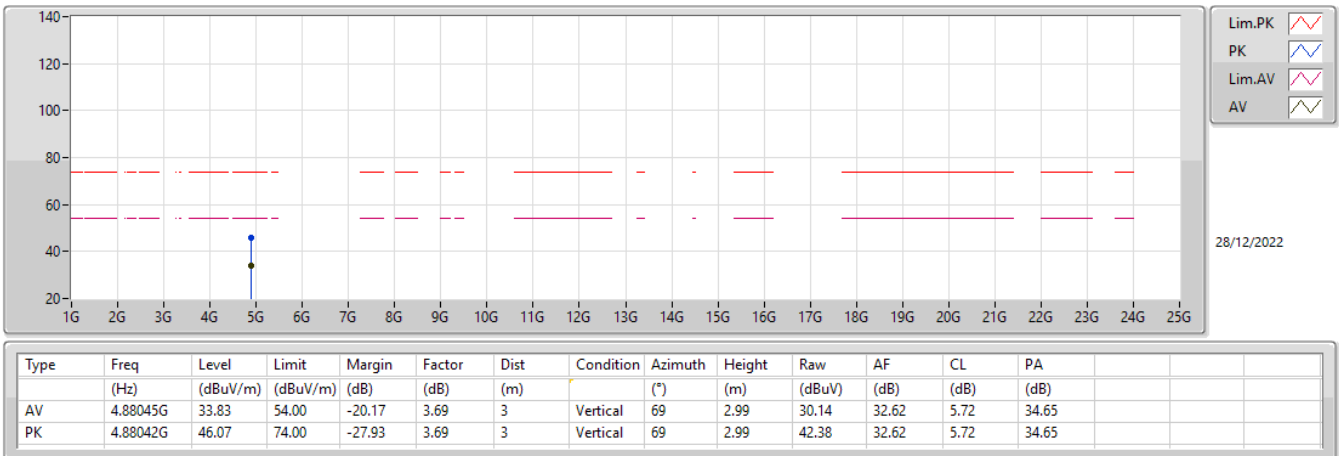
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2440MHz_TX



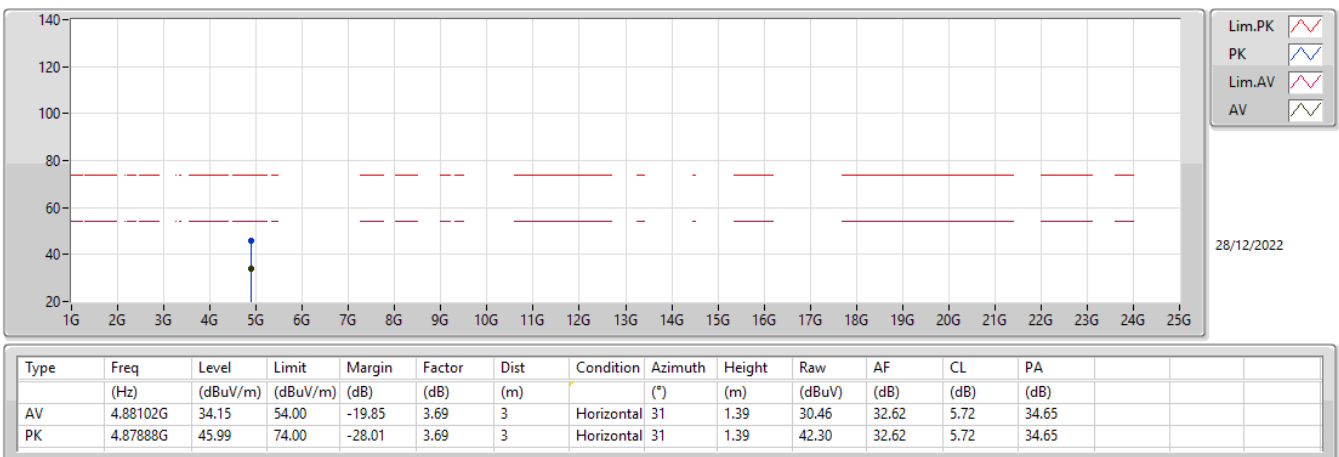
2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX



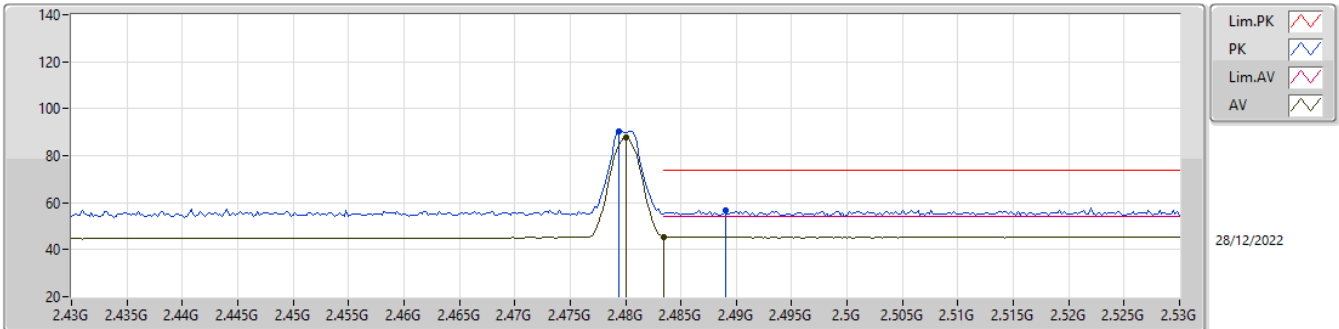
2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

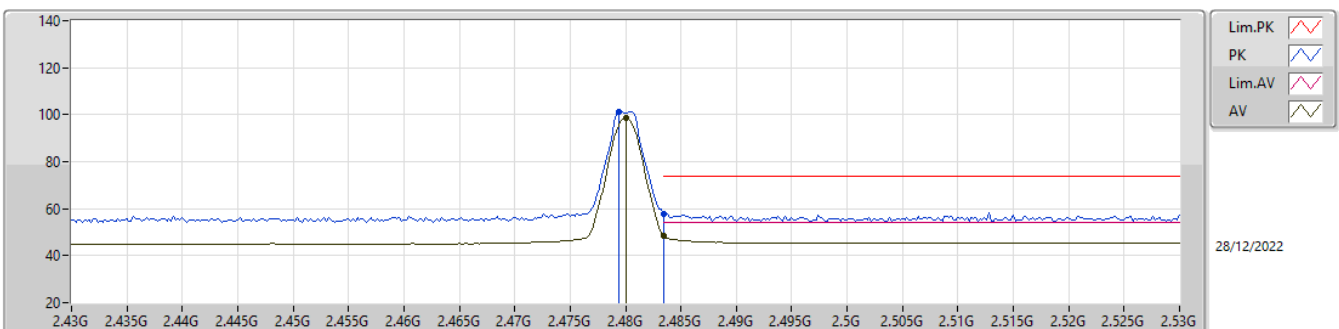
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	87.76	Inf	-Inf	31.88	3	Vertical	18	1.30	55.88	27.66	4.22	-
AV	2.4835G	45.44	54.00	-8.56	31.89	3	Vertical	18	1.30	13.55	27.67	4.22	-
PK	2.4794G	90.26	Inf	-Inf	31.88	3	Vertical	18	1.30	58.38	27.66	4.22	-
PK	2.489G	56.67	74.00	-17.33	31.90	3	Vertical	18	1.30	24.77	27.68	4.22	-

2.4-2.4835GHz_BT-LE(2Mbps)

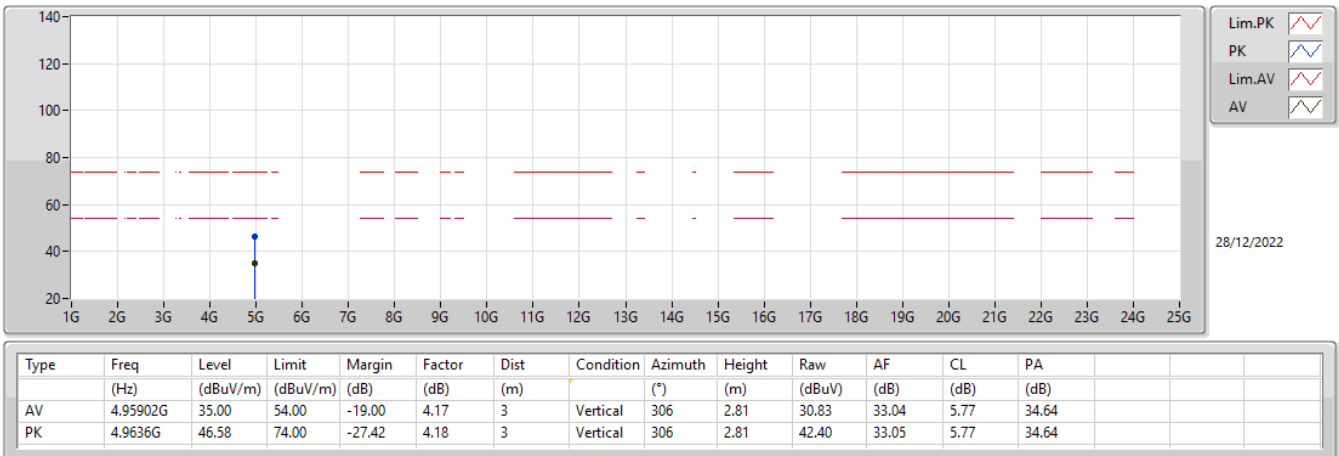
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	98.70	Inf	-Inf	31.88	3	Horizontal	4	1.43	66.82	27.66	4.22	-
AV	2.4835G	48.31	54.00	-5.69	31.89	3	Horizontal	4	1.43	16.42	27.67	4.22	-
PK	2.4794G	101.08	Inf	-Inf	31.88	3	Horizontal	4	1.43	69.20	27.66	4.22	-
PK	2.4835G	57.85	74.00	-16.15	31.89	3	Horizontal	4	1.43	25.96	27.67	4.22	-

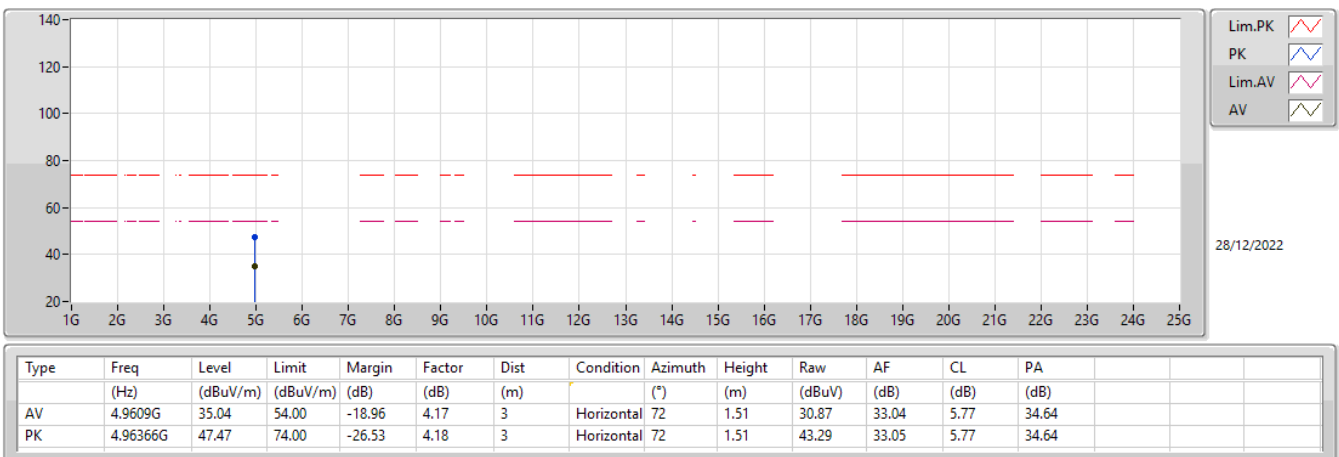
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



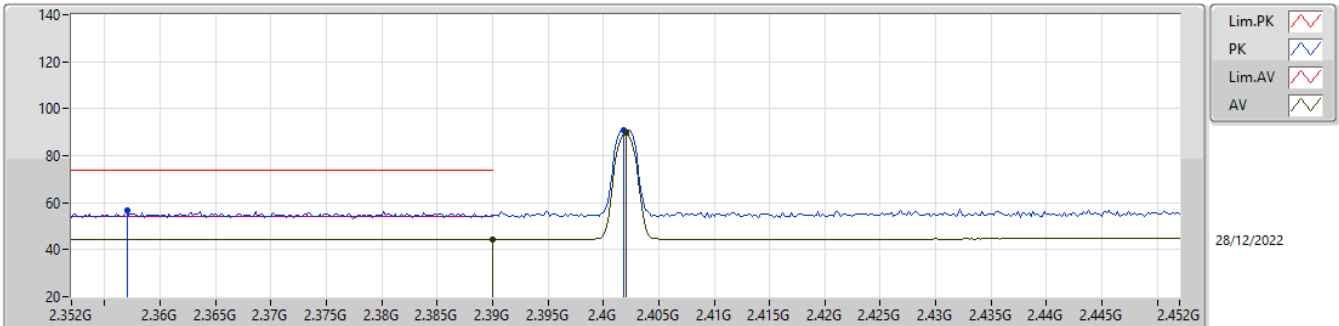
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(125kbps)

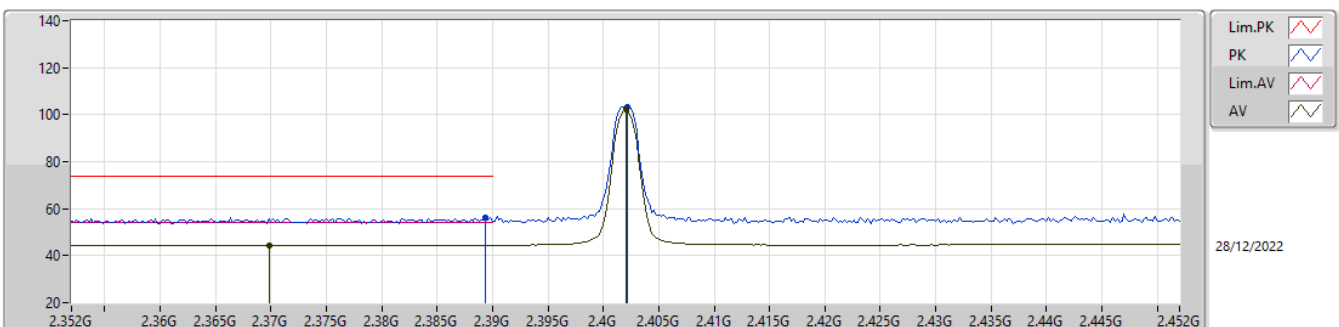
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	44.28	54.00	-9.72	31.54	3	Vertical	23	1.34	12.74	27.38	4.16	-
AV	2.402G	89.67	Inf	-Inf	31.58	3	Vertical	23	1.34	58.09	27.41	4.17	-
PK	2.357G	56.49	74.00	-17.51	31.44	3	Vertical	23	1.34	25.05	27.31	4.13	-
PK	2.4018G	90.74	Inf	-Inf	31.58	3	Vertical	23	1.34	59.16	27.41	4.17	-

2.4-2.4835GHz_BT-LE(125kbps)

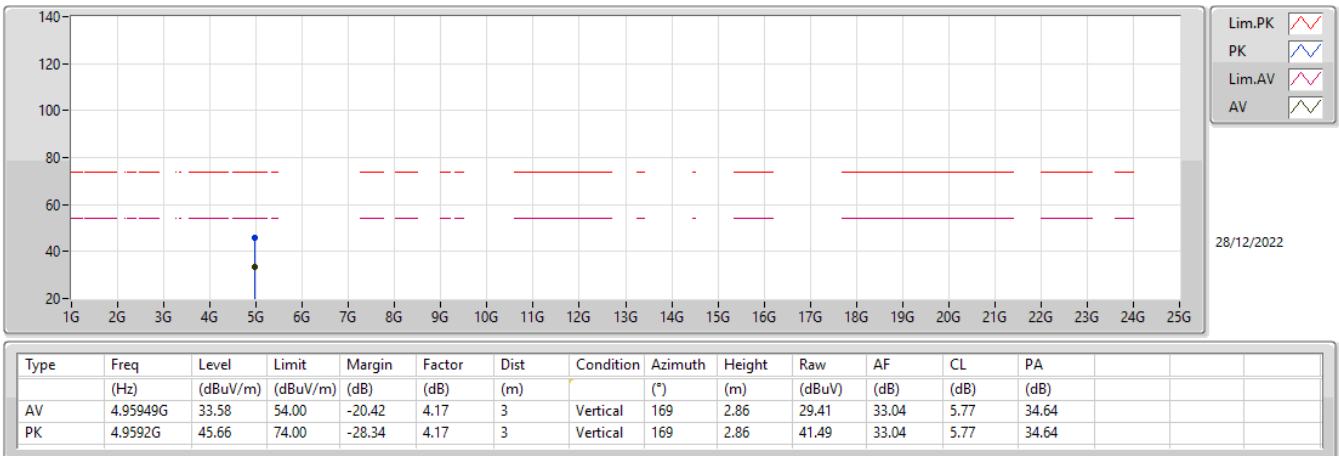
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.3698G	44.55	54.00	-9.45	31.48	3	Horizontal	16	2.52	13.07	27.34	4.14	-
AV	2.402G	102.11	Inf	-Inf	31.58	3	Horizontal	16	2.52	70.53	27.41	4.17	-
PK	2.3894G	56.42	74.00	-17.58	31.54	3	Horizontal	16	2.52	24.88	27.38	4.16	-
PK	2.4022G	103.13	Inf	-Inf	31.58	3	Horizontal	16	2.52	71.55	27.41	4.17	-

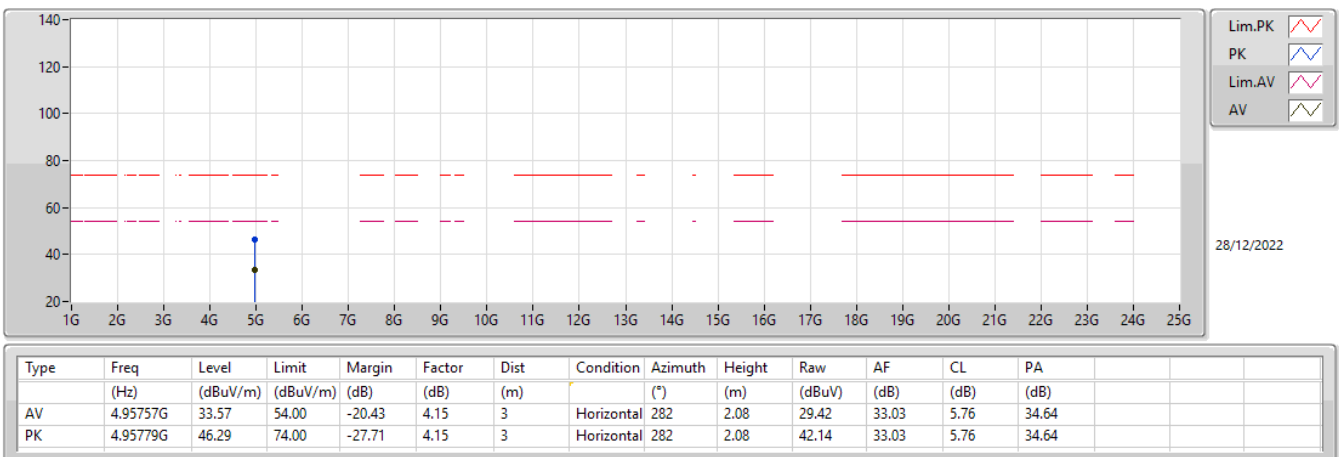
2.4-2.4835GHz_BT-LE(125kbps)

2402MHz_TX



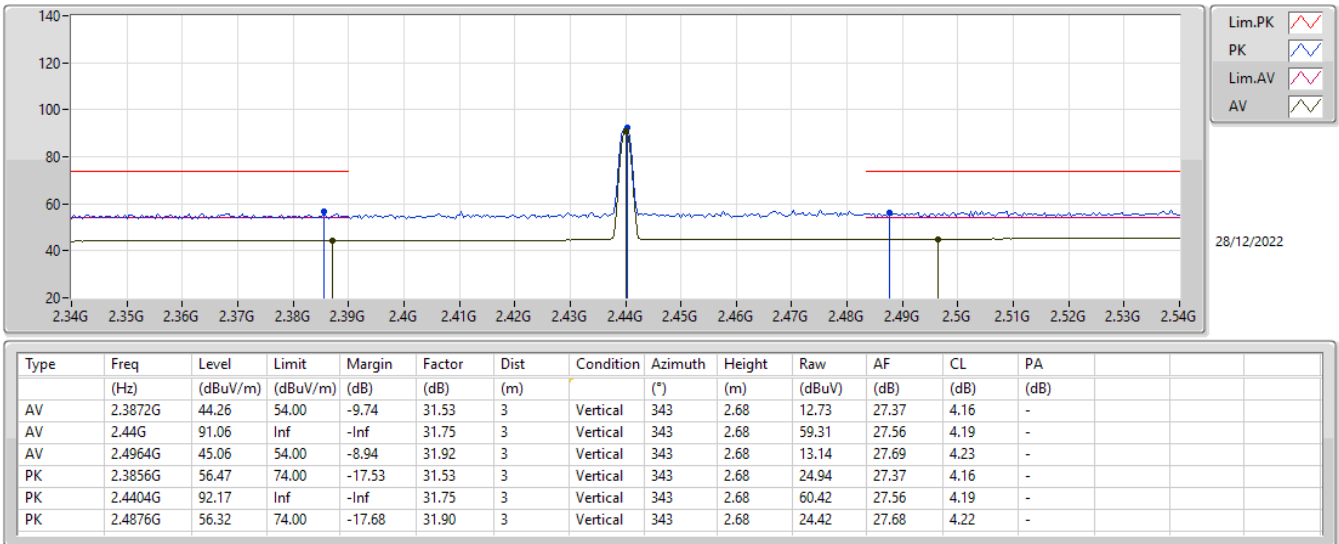
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2402MHz_TX



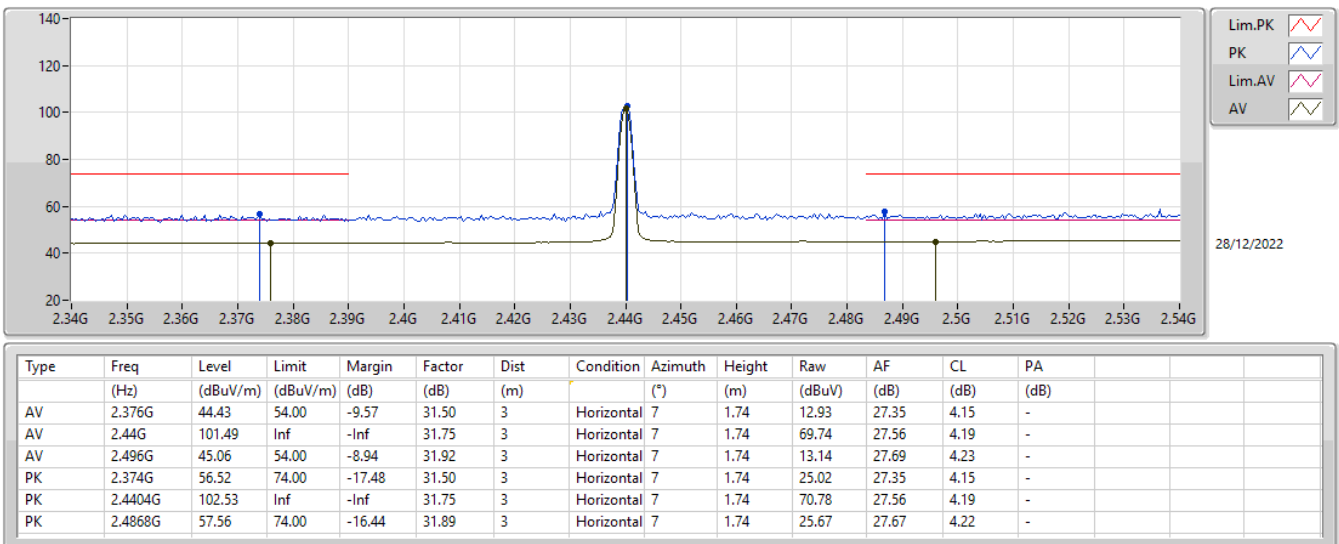
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2440MHz_TX



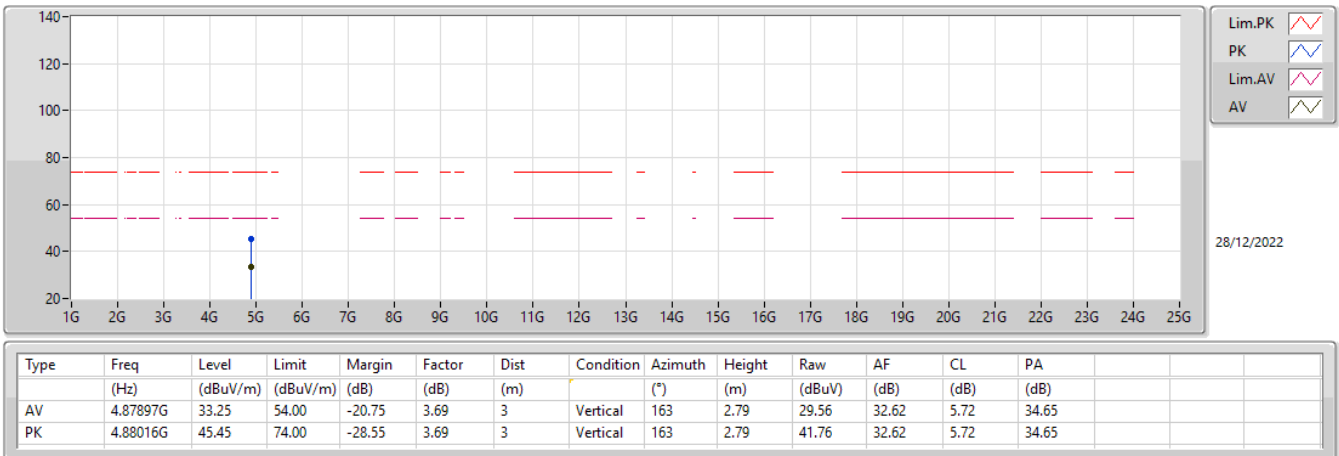
2.4-2.4835GHz_BT-LE(125kbps)

2440MHz_TX



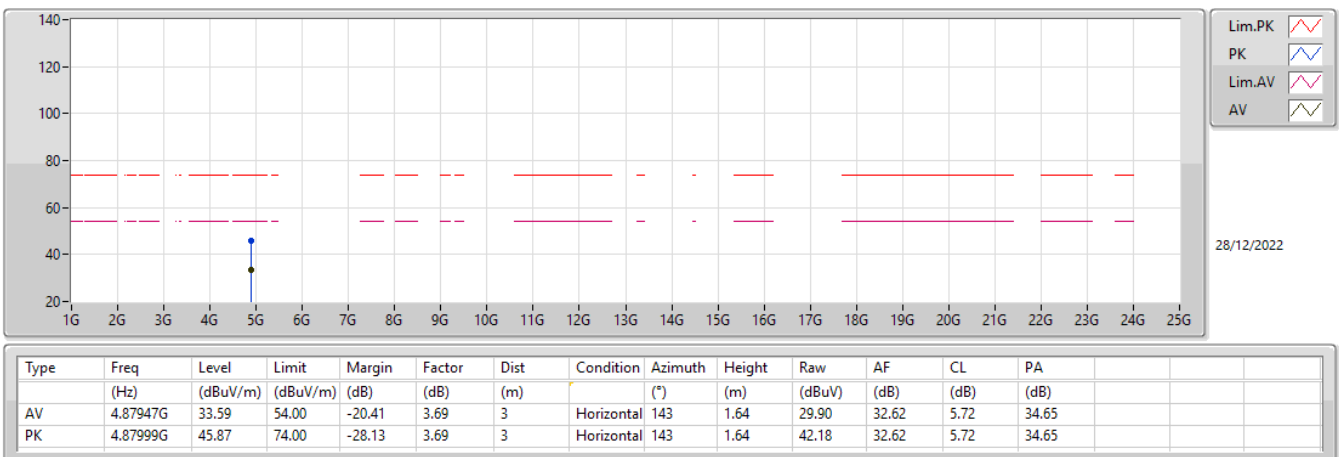
2.4-2.4835GHz_BT-LE(125kbps)

2440MHz_TX



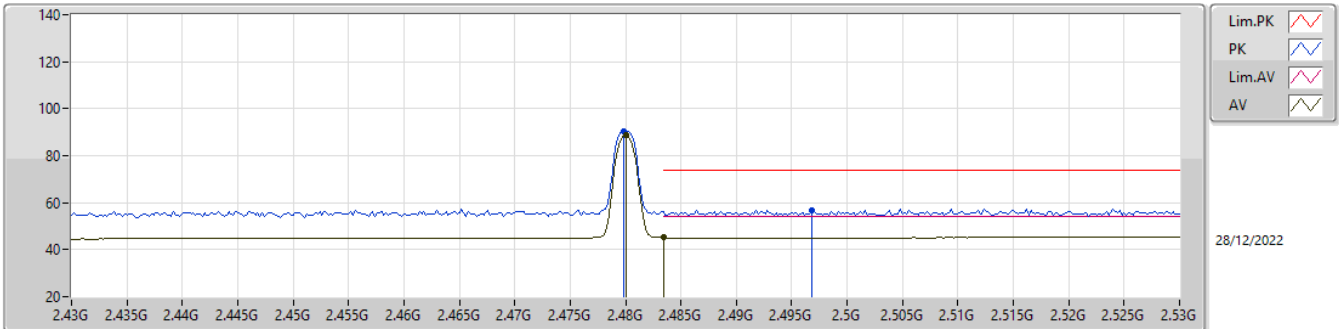
2.4-2.4835GHz_BT-LE(125kbps)

2440MHz_TX



2.4-2.4835GHz_BT-LE(125kbps)

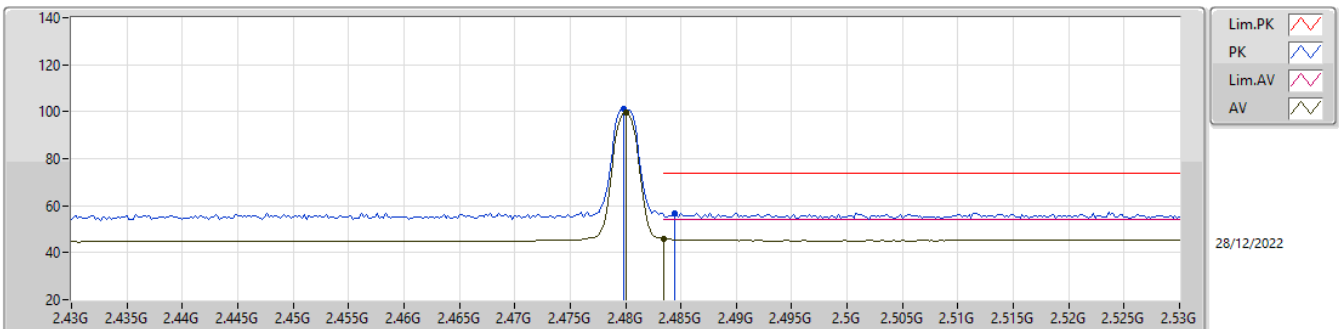
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	89.04	Inf	-Inf	31.88	3	Vertical	21	1.30	57.16	27.66	4.22	-
AV	2.4835G	45.10	54.00	-8.90	31.89	3	Vertical	21	1.30	13.21	27.67	4.22	-
PK	2.4798G	90.20	Inf	-Inf	31.88	3	Vertical	21	1.30	58.32	27.66	4.22	-
PK	2.4968G	56.86	74.00	-17.14	31.92	3	Vertical	21	1.30	24.94	27.69	4.23	-

2.4-2.4835GHz_BT-LE(125kbps)

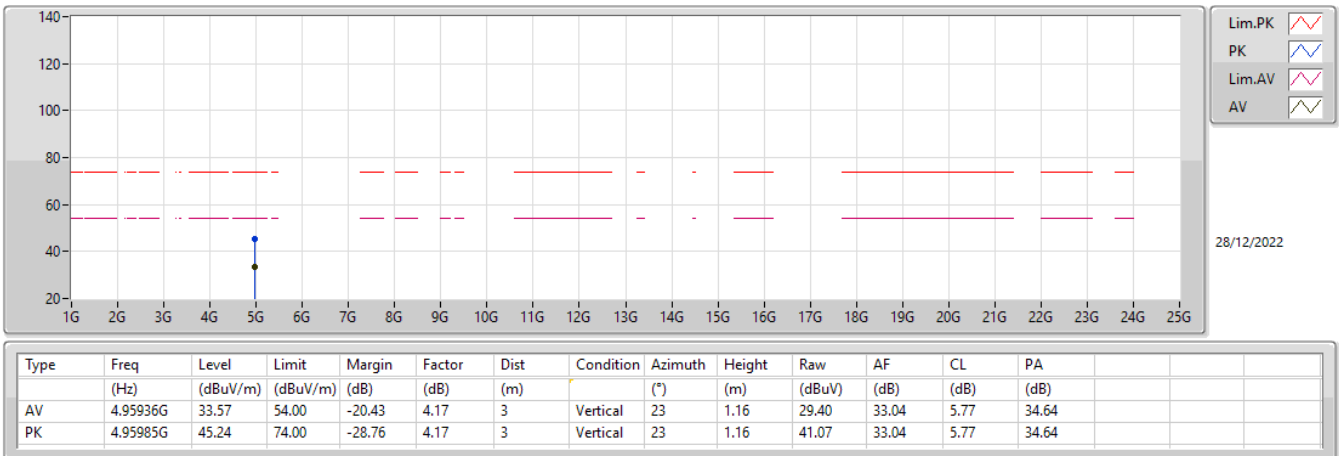
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	99.91	Inf	-Inf	31.88	3	Horizontal	4	1.43	68.03	27.66	4.22	-
AV	2.4835G	45.91	54.00	-8.09	31.89	3	Horizontal	4	1.43	14.02	27.67	4.22	-
PK	2.4798G	100.97	Inf	-Inf	31.88	3	Horizontal	4	1.43	69.09	27.66	4.22	-
PK	2.4844G	56.87	74.00	-17.13	31.89	3	Horizontal	4	1.43	24.98	27.67	4.22	-

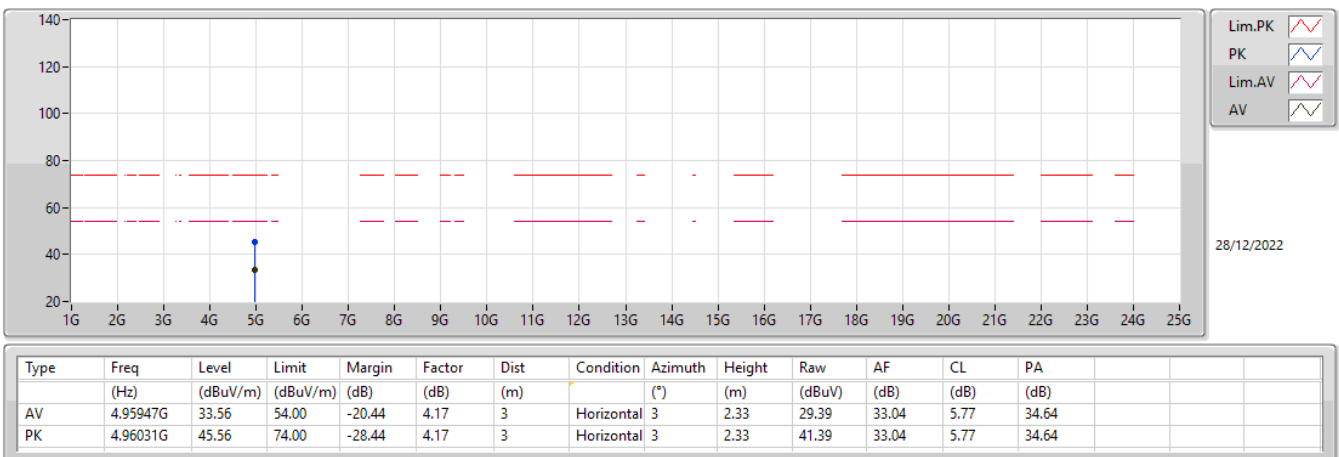
2.4-2.4835GHz_BT-LE(125kbps)

2480MHz_TX



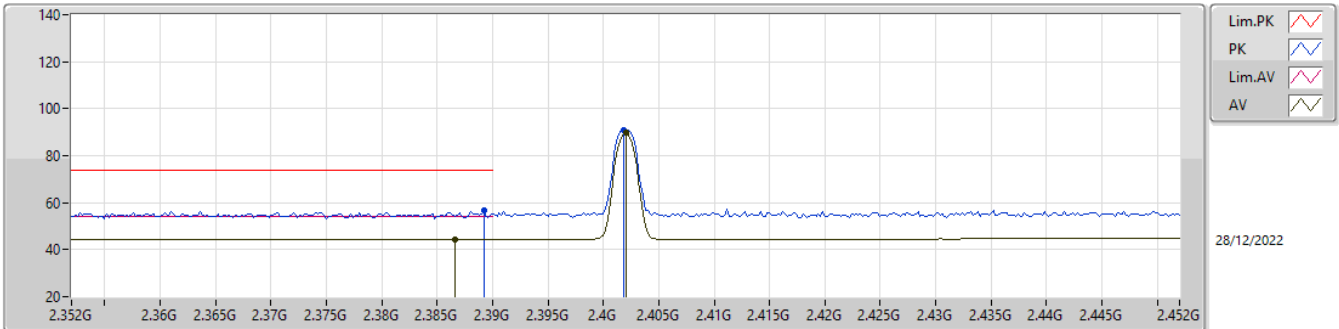
2.4-2.4835GHz_BT-LE(125kbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(500kbps)

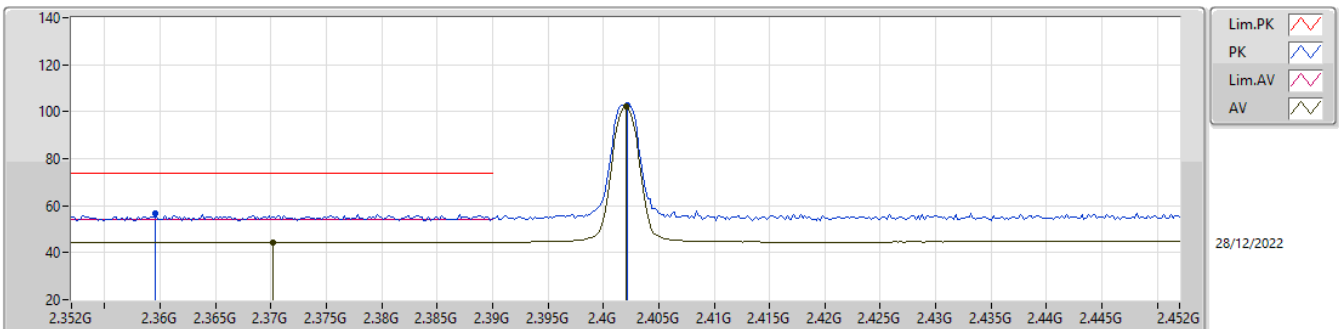
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3866G	44.25	54.00	-9.75	31.53	3	Vertical	25	1.34	12.72	27.37	4.16	-
AV	2.402G	89.76	Inf	-Inf	31.58	3	Vertical	25	1.34	58.18	27.41	4.17	-
PK	2.3892G	56.53	74.00	-17.47	31.54	3	Vertical	25	1.34	24.99	27.38	4.16	-
PK	2.4018G	90.70	Inf	-Inf	31.58	3	Vertical	25	1.34	59.12	27.41	4.17	-

2.4-2.4835GHz_BT-LE(500kbps)

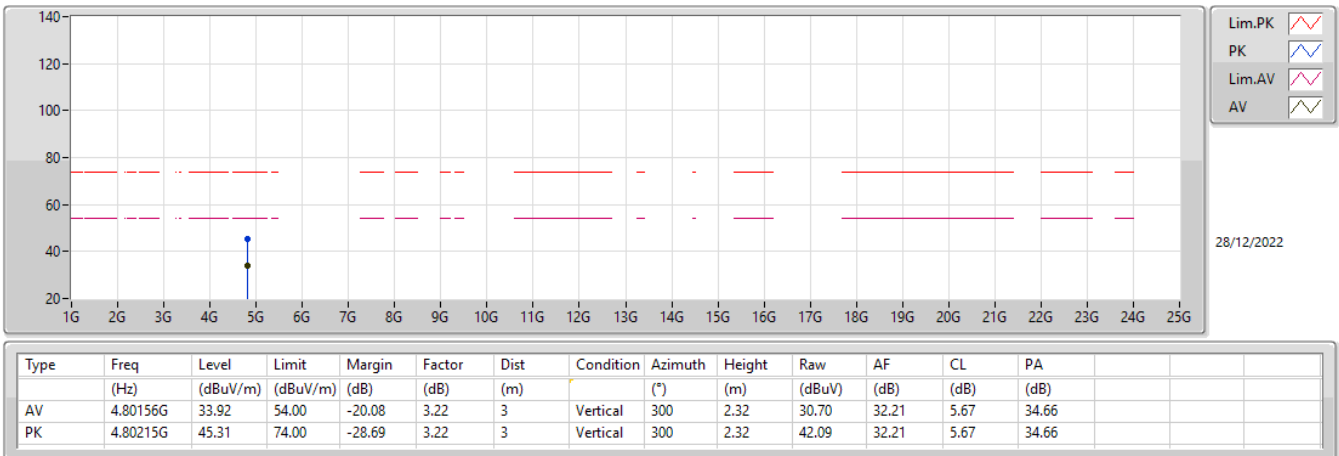
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3702G	44.52	54.00	-9.48	31.48	3	Horizontal	8	1.73	13.04	27.34	4.14	-
AV	2.402G	102.04	Inf	-Inf	31.58	3	Horizontal	8	1.73	70.46	27.41	4.17	-
PK	2.3596G	56.68	74.00	-17.32	31.45	3	Horizontal	8	1.73	25.23	27.32	4.13	-
PK	2.4022G	102.93	Inf	-Inf	31.58	3	Horizontal	8	1.73	71.35	27.41	4.17	-

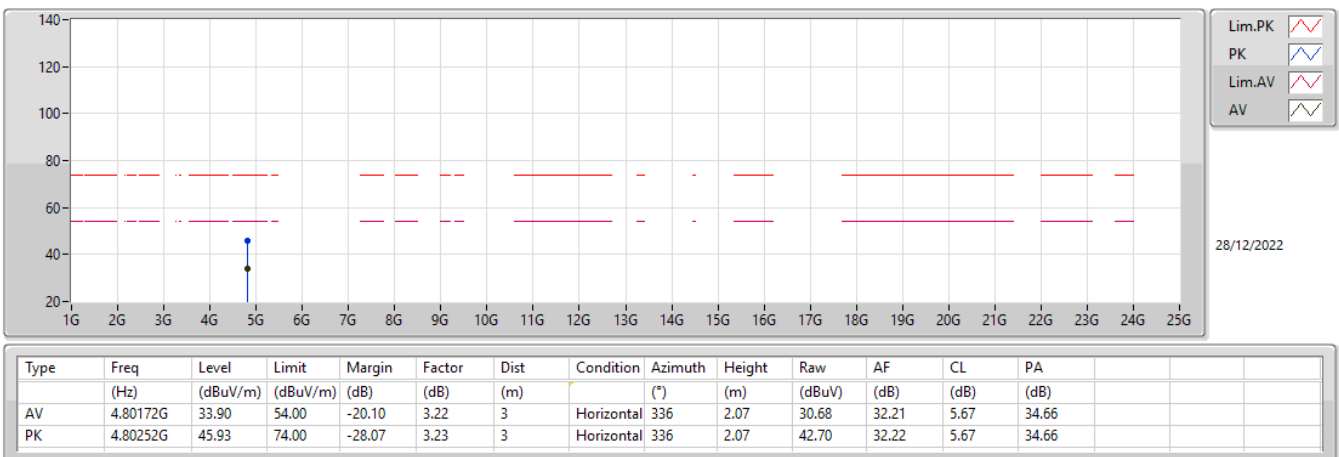
2.4-2.4835GHz_BT-LE(500kbps)

2402MHz_TX



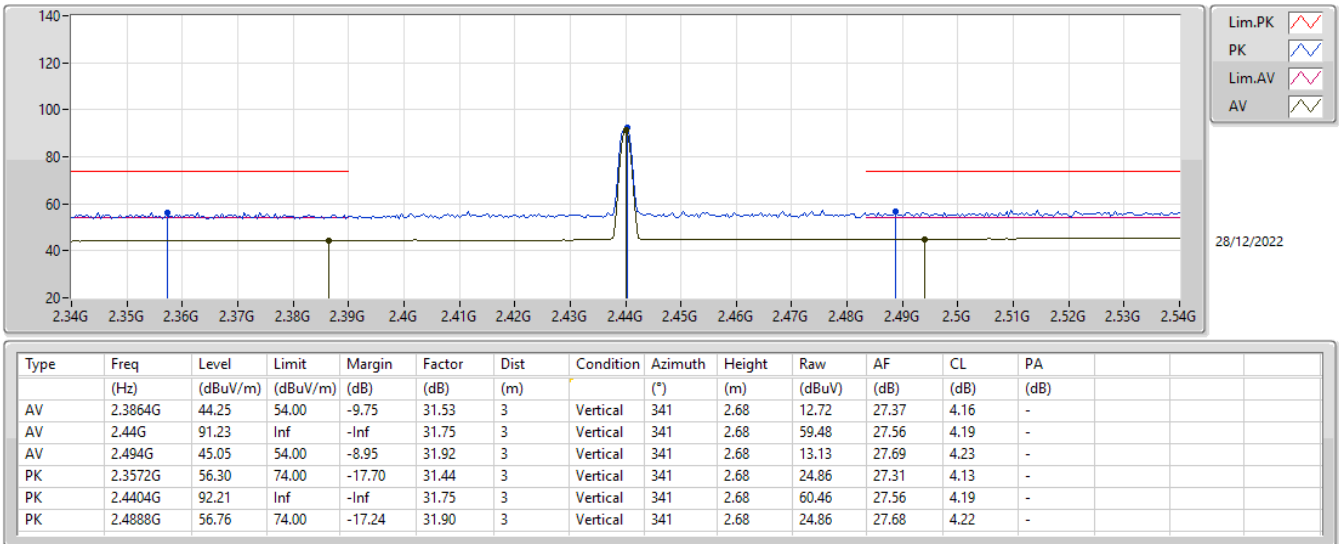
2.4-2.4835GHz_BT-LE(500kbps)

2402MHz_TX



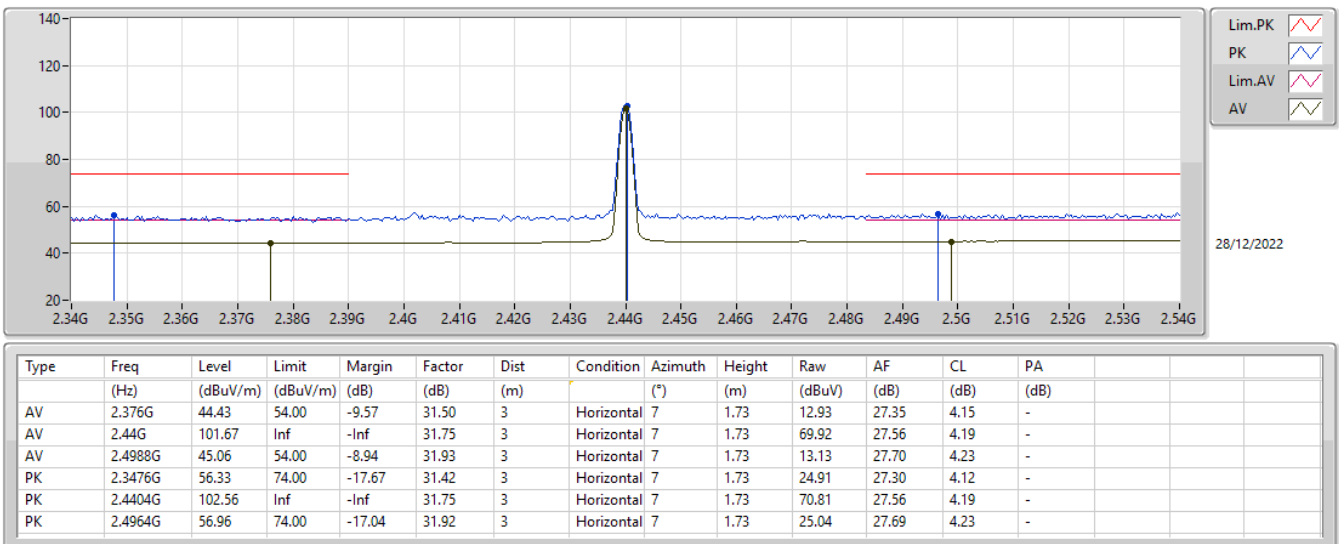
2.4-2.4835GHz_BT-LE(500kbps)

2440MHz_TX



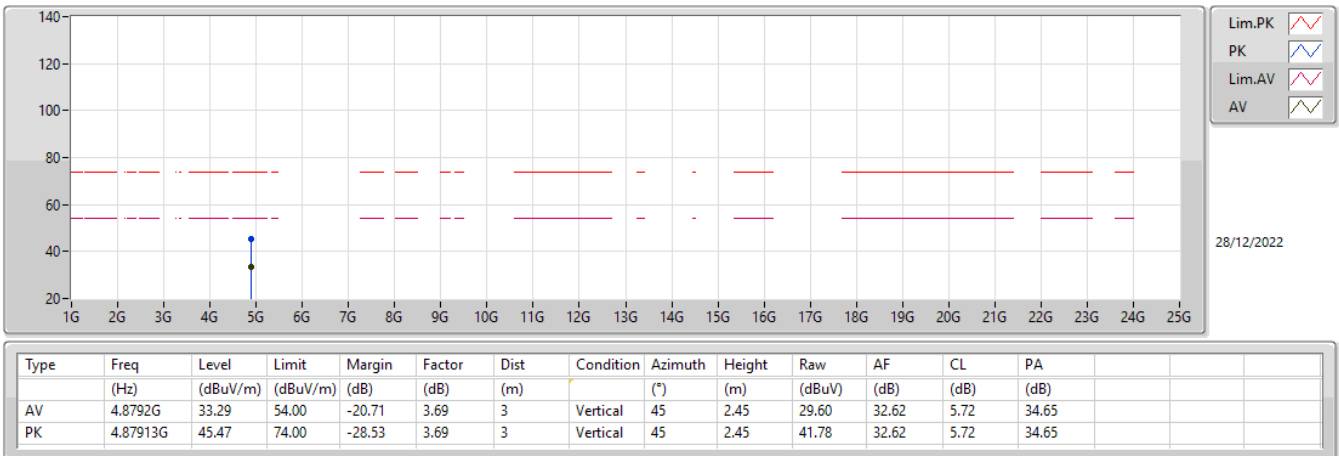
2.4-2.4835GHz_BT-LE(500kbps)

2440MHz_TX



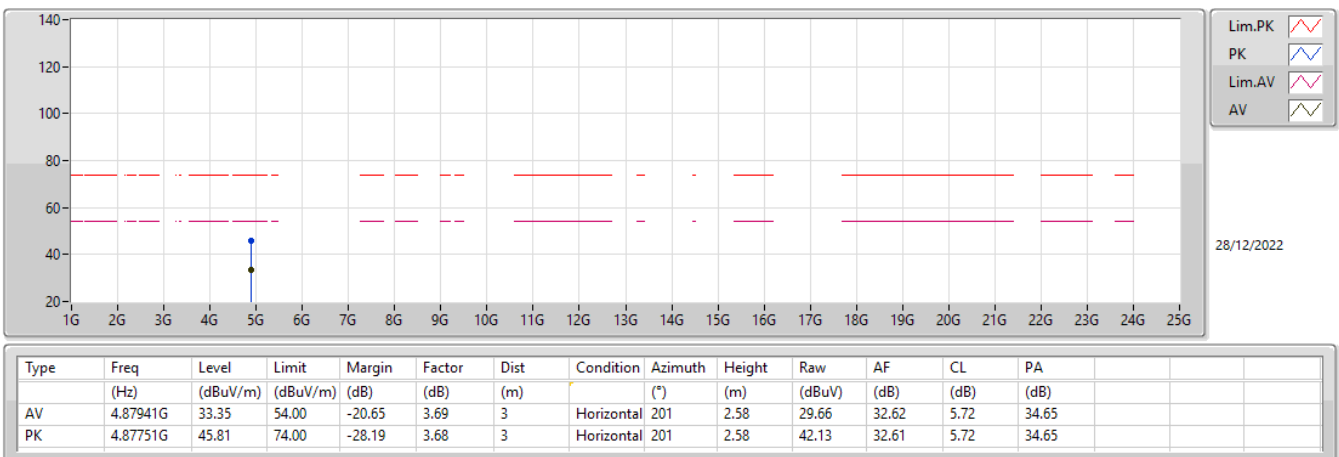
2.4-2.4835GHz_BT-LE(500kbps)

2440MHz_TX



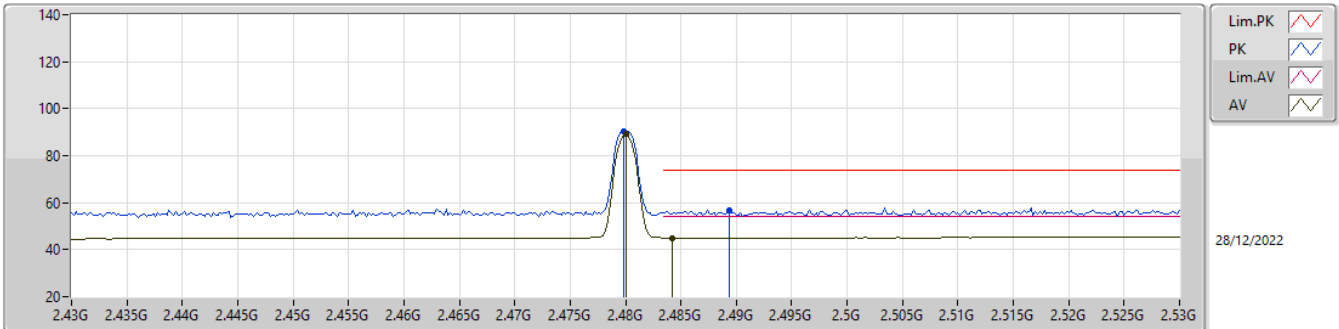
2.4-2.4835GHz_BT-LE(500kbps)

2440MHz_TX



2.4-2.4835GHz_BT-LE(500kbps)

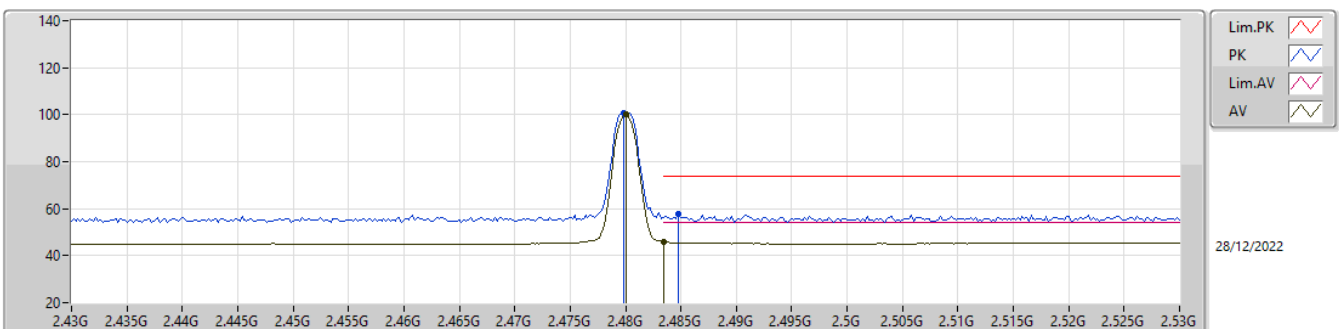
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	89.16	Inf	-Inf	31.88	3	Vertical	20	1.29	57.28	27.66	4.22	-
AV	2.4842G	45.08	54.00	-8.92	31.89	3	Vertical	20	1.29	13.19	27.67	4.22	-
PK	2.4798G	90.23	Inf	-Inf	31.88	3	Vertical	20	1.29	58.35	27.66	4.22	-
PK	2.4894G	56.69	74.00	-17.31	31.90	3	Vertical	20	1.29	24.79	27.68	4.22	-

2.4-2.4835GHz_BT-LE(500kbps)

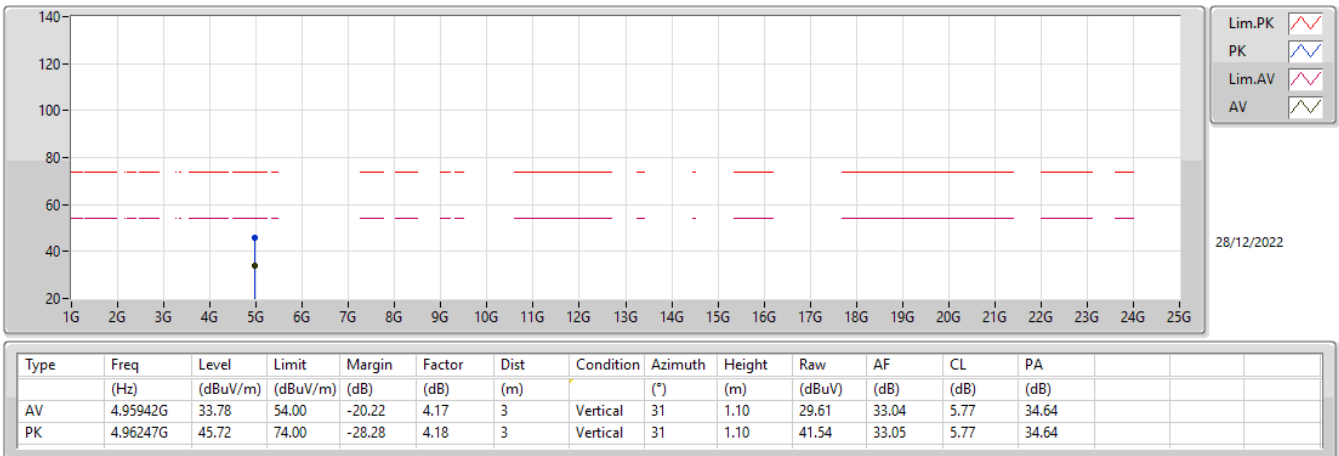
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	99.97	Inf	-Inf	31.88	3	Horizontal	6	1.44	68.09	27.66	4.22	-
AV	2.4835G	45.90	54.00	-8.10	31.89	3	Horizontal	6	1.44	14.01	27.67	4.22	-
PK	2.4798G	100.89	Inf	-Inf	31.88	3	Horizontal	6	1.44	69.01	27.66	4.22	-
PK	2.4848G	57.81	74.00	-16.19	31.89	3	Horizontal	6	1.44	25.92	27.67	4.22	-

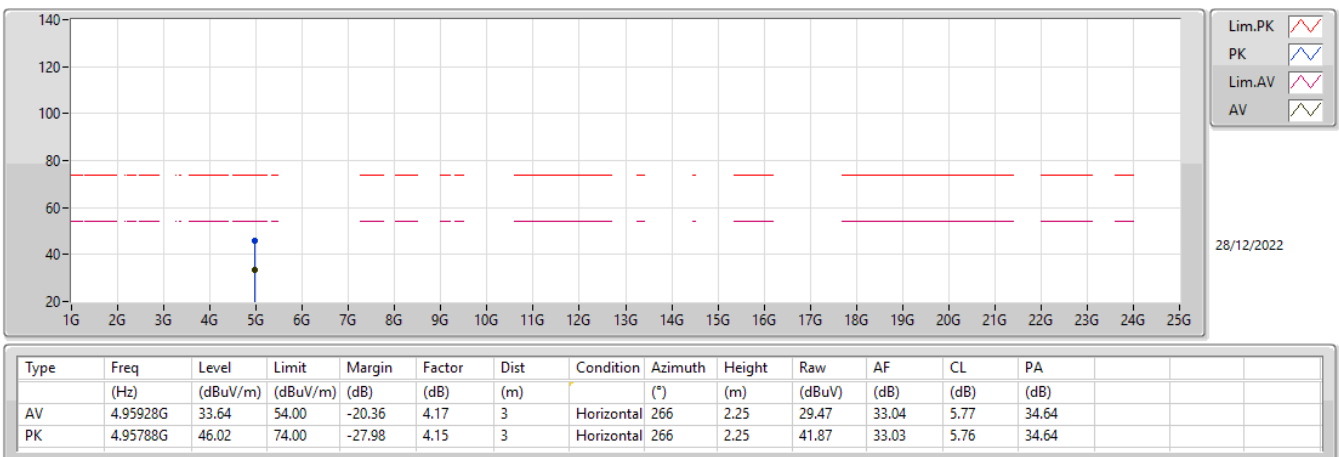
2.4-2.4835GHz_BT-LE(500kbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(500kbps)

2480MHz_TX





Summary

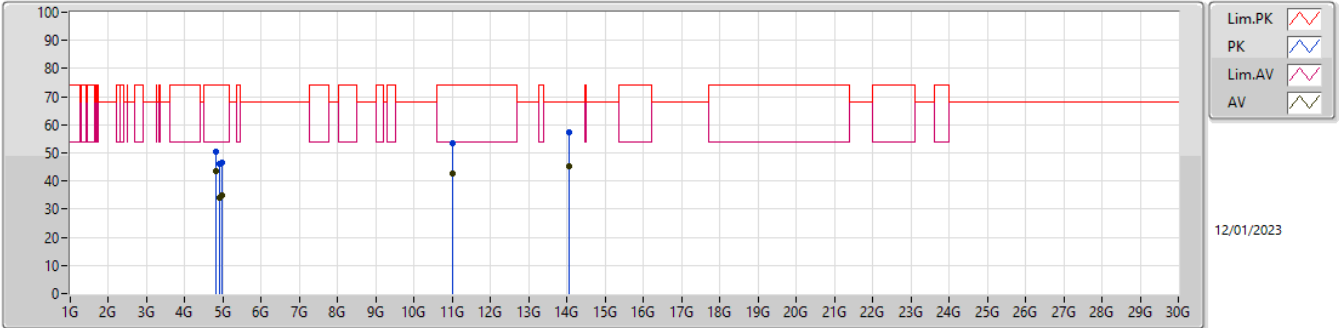
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.82404G	44.91	54.00	-9.09	Horizontal
Mode 2	Pass	AV	4.82398G	44.91	54.00	-9.09	Horizontal
Mode 3	Pass	AV	4.82399G	45.12	54.00	-8.88	Horizontal

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.82406G	43.63	54.00	-10.37	3	Vertical	303	2.77	-
Mode 1	Pass	AV	4.92196G	33.94	54.00	-20.06	3	Vertical	1	1.50	-
Mode 1	Pass	AV	4.95905G	34.99	54.00	-19.01	3	Vertical	136	2.17	-
Mode 1	Pass	AV	11.01934G	42.49	54.00	-11.51	3	Vertical	171	1.58	-
Mode 1	Pass	AV	14.0641G	45.45	68.20	-22.75	3	Vertical	54	2.19	-
Mode 1	Pass	PK	4.82392G	50.22	74.00	-23.78	3	Vertical	303	2.77	-
Mode 1	Pass	PK	4.92272G	46.23	74.00	-27.77	3	Vertical	1	1.50	-
Mode 1	Pass	PK	4.9633G	46.60	74.00	-27.40	3	Vertical	136	2.17	-
Mode 1	Pass	PK	11.0203G	53.33	74.00	-20.67	3	Vertical	171	1.58	-
Mode 1	Pass	PK	14.04904G	57.42	68.20	-10.78	3	Vertical	54	2.19	-
Mode 1	Pass	AV	4.82404G	44.91	54.00	-9.09	3	Horizontal	308	1.27	-
Mode 1	Pass	AV	4.92008G	34.49	54.00	-19.51	3	Horizontal	320	1.50	-
Mode 1	Pass	AV	4.9603G	34.99	54.00	-19.01	3	Horizontal	130	2.02	-
Mode 1	Pass	AV	11.01608G	42.48	54.00	-11.52	3	Horizontal	44	2.77	-
Mode 1	Pass	AV	14.03962G	45.53	68.20	-22.67	3	Horizontal	62	2.19	-
Mode 1	Pass	PK	4.82417G	50.58	74.00	-23.42	3	Horizontal	308	1.27	-
Mode 1	Pass	PK	4.92714G	47.20	74.00	-26.80	3	Horizontal	320	1.50	-
Mode 1	Pass	PK	4.96364G	47.50	74.00	-26.50	3	Horizontal	130	2.02	-
Mode 1	Pass	PK	11.01826G	53.97	74.00	-20.03	3	Horizontal	44	2.77	-
Mode 1	Pass	PK	14.04052G	56.87	68.20	-11.33	3	Horizontal	62	2.19	-
Mode 2	Pass	AV	4.82392G	42.88	54.00	-11.12	3	Vertical	308	2.90	-
Mode 2	Pass	AV	4.95911G	35.03	54.00	-18.97	3	Vertical	65	1.75	-
Mode 2	Pass	AV	11.01878G	42.45	54.00	-11.55	3	Vertical	322	2.46	-
Mode 2	Pass	AV	11.48738G	42.32	54.00	-11.68	3	Vertical	349	2.11	-
Mode 2	Pass	AV	14.0498G	45.30	68.20	-22.90	3	Vertical	272	1.20	-
Mode 2	Pass	PK	4.82399G	49.77	74.00	-24.23	3	Vertical	308	2.90	-
Mode 2	Pass	PK	4.96363G	46.51	74.00	-27.49	3	Vertical	65	1.75	-
Mode 2	Pass	PK	11.015G	53.81	74.00	-20.19	3	Vertical	322	2.46	-
Mode 2	Pass	PK	11.48998G	51.97	74.00	-22.03	3	Vertical	349	2.11	-
Mode 2	Pass	PK	14.04616G	56.83	68.20	-11.37	3	Vertical	272	1.20	-
Mode 2	Pass	AV	4.82398G	44.91	54.00	-9.09	3	Horizontal	305	1.03	-
Mode 2	Pass	AV	4.9615G	35.07	54.00	-18.93	3	Horizontal	76	1.53	-
Mode 2	Pass	AV	11.01836G	42.55	54.00	-11.45	3	Horizontal	258	2.66	-
Mode 2	Pass	AV	11.48668G	42.34	54.00	-11.66	3	Horizontal	342	1.09	-
Mode 2	Pass	AV	14.05478G	45.36	68.20	-22.84	3	Horizontal	231	2.05	-
Mode 2	Pass	PK	4.82396G	51.05	74.00	-22.95	3	Horizontal	305	1.03	-
Mode 2	Pass	PK	4.96365G	47.46	74.00	-26.54	3	Horizontal	76	1.53	-
Mode 2	Pass	PK	11.01514G	54.01	74.00	-19.99	3	Horizontal	258	2.66	-
Mode 2	Pass	PK	11.48932G	51.85	74.00	-22.15	3	Horizontal	342	1.09	-
Mode 2	Pass	PK	14.0492G	56.28	68.20	-11.92	3	Horizontal	231	2.05	-
Mode 3	Pass	AV	4.82394G	43.86	54.00	-10.14	3	Vertical	305	2.78	-
Mode 3	Pass	AV	4.95915G	34.96	54.00	-19.04	3	Vertical	341	1.48	-
Mode 3	Pass	AV	11.01566G	42.37	54.00	-11.63	3	Vertical	28	1.06	-
Mode 3	Pass	AV	12.68798G	43.70	54.00	-10.30	3	Vertical	108	2.39	-
Mode 3	Pass	AV	14.05486G	45.37	68.20	-22.83	3	Vertical	61	2.24	-
Mode 3	Pass	PK	4.82404G	51.07	74.00	-22.93	3	Vertical	305	2.78	-
Mode 3	Pass	PK	4.96366G	46.08	74.00	-27.92	3	Vertical	341	1.48	-
Mode 3	Pass	PK	11.0181G	53.65	74.00	-20.35	3	Vertical	28	1.06	-
Mode 3	Pass	PK	12.69058G	54.26	74.00	-19.74	3	Vertical	108	2.39	-
Mode 3	Pass	PK	14.0469G	55.90	68.20	-12.30	3	Vertical	61	2.24	-

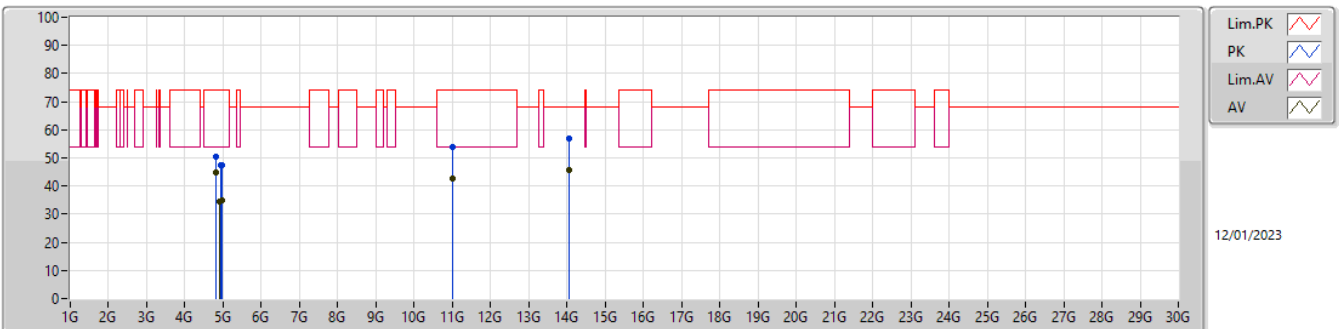
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 3	Pass	AV	4.82399G	45.12	54.00	-8.88	3	Horizontal	307	1.32	-
Mode 3	Pass	AV	4.96096G	35.12	54.00	-18.88	3	Horizontal	233	1.50	-
Mode 3	Pass	AV	11.0153G	42.42	54.00	-11.58	3	Horizontal	124	2.15	-
Mode 3	Pass	AV	12.69054G	43.74	54.00	-10.26	3	Horizontal	42	2.66	-
Mode 3	Pass	AV	14.04836G	45.43	68.20	-22.77	3	Horizontal	82	1.04	-
Mode 3	Pass	PK	4.8238G	50.71	74.00	-23.29	3	Horizontal	307	1.32	-
Mode 3	Pass	PK	4.96366G	47.40	74.00	-26.60	3	Horizontal	233	1.50	-
Mode 3	Pass	PK	11.0178G	53.72	74.00	-20.28	3	Horizontal	124	2.15	-
Mode 3	Pass	PK	12.68926G	54.38	74.00	-19.62	3	Horizontal	42	2.66	-
Mode 3	Pass	PK	14.05256G	56.95	68.20	-11.25	3	Horizontal	82	1.04	-

Radiated Emissions above 1GHz_Mode 1



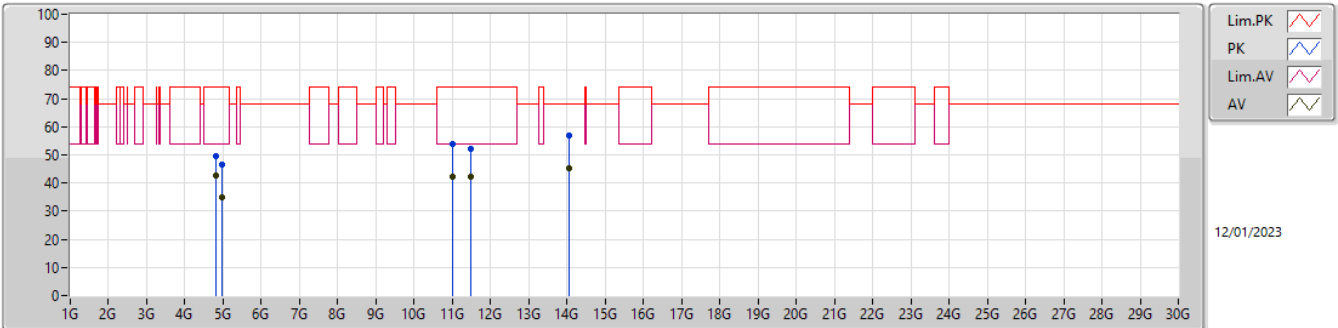
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.82406G	43.63	54.00	-10.37	3.37	3	Vertical	303	2.77	40.26	32.34	5.68	34.65
AV	4.92196G	33.94	54.00	-20.06	3.92	3	Vertical	1	1.50	30.02	32.83	5.74	34.65
AV	4.95905G	34.99	54.00	-19.01	4.17	3	Vertical	136	2.17	30.82	33.04	5.77	34.64
AV	11.01934G	42.49	54.00	-11.51	12.60	3	Vertical	171	1.58	29.89	38.88	8.30	34.58
AV	14.0641G	45.45	68.20	-22.75	16.86	3	Vertical	54	2.19	28.59	40.49	9.33	32.96
PK	4.82392G	50.22	74.00	-23.78	3.37	3	Vertical	303	2.77	46.85	32.34	5.68	34.65
PK	4.92272G	46.23	74.00	-27.77	3.93	3	Vertical	1	1.50	42.30	32.84	5.74	34.65
PK	4.9633G	46.60	74.00	-27.40	4.18	3	Vertical	136	2.17	42.42	33.05	5.77	34.64
PK	11.0203G	53.33	74.00	-20.67	12.60	3	Vertical	171	1.58	40.73	38.88	8.30	34.58
PK	14.04904G	57.42	68.20	-10.78	16.84	3	Vertical	54	2.19	40.58	40.45	9.33	32.94

Radiated Emissions above 1GHz_Mode 1



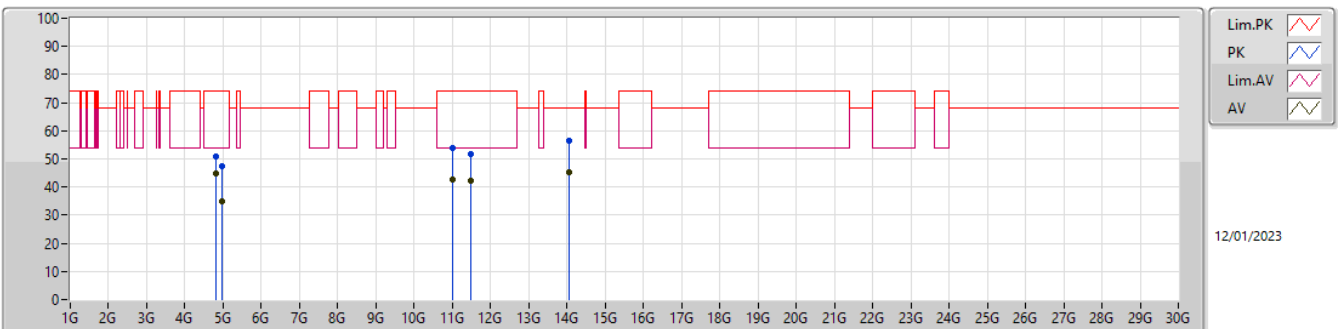
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.82404G	44.91	54.00	-9.09	3.37	3	Horizontal	308	1.27	41.54	32.34	5.68	34.65
AV	4.92008G	34.49	54.00	-19.51	3.91	3	Horizontal	320	1.50	30.58	32.82	5.74	34.65
AV	4.9603G	34.99	54.00	-19.01	4.17	3	Horizontal	130	2.02	30.82	33.04	5.77	34.64
AV	11.01608G	42.48	54.00	-11.52	12.60	3	Horizontal	44	2.77	29.88	38.88	8.30	34.58
AV	14.03962G	45.53	68.20	-22.67	16.81	3	Horizontal	62	2.19	28.72	40.42	9.32	32.93
PK	4.82417G	50.58	74.00	-23.42	3.38	3	Horizontal	308	1.27	47.20	32.35	5.68	34.65
PK	4.92714G	47.20	74.00	-26.80	3.96	3	Horizontal	320	1.50	43.24	32.86	5.75	34.65
PK	4.96364G	47.50	74.00	-26.50	4.18	3	Horizontal	130	2.02	43.32	33.05	5.77	34.64
PK	11.01826G	53.97	74.00	-20.03	12.60	3	Horizontal	44	2.77	41.37	38.88	8.30	34.58
PK	14.04052G	56.87	68.20	-11.33	16.81	3	Horizontal	62	2.19	40.06	40.42	9.32	32.93

Radiated Emissions above 1GHz_Mode 2



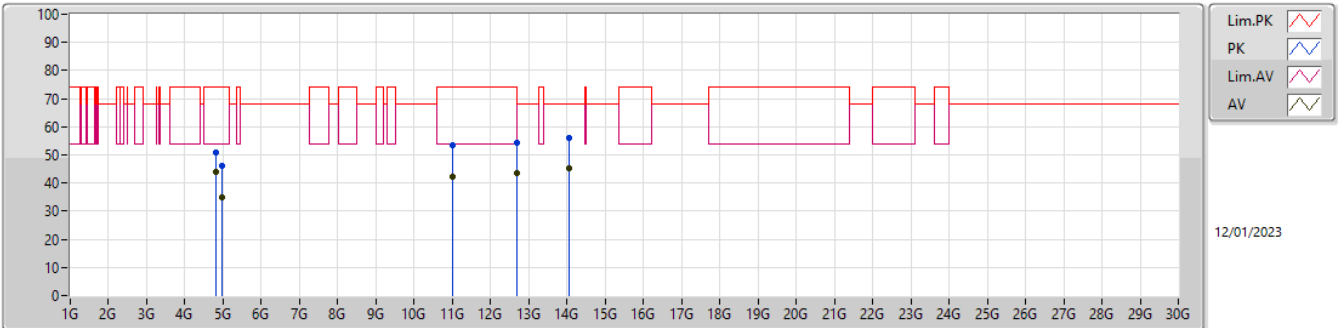
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.82392G	42.88	54.00	-11.12	3.37	3	Vertical	308	2.90	39.51	32.34	5.68	34.65
AV	4.95911G	35.03	54.00	-18.97	4.17	3	Vertical	65	1.75	30.86	33.04	5.77	34.64
AV	11.01878G	42.45	54.00	-11.55	12.60	3	Vertical	322	2.46	29.85	38.88	8.30	34.58
AV	11.48738G	42.32	54.00	-11.68	12.93	3	Vertical	349	2.11	29.39	39.01	8.49	34.57
AV	14.0498G	45.30	68.20	-22.90	16.84	3	Vertical	272	1.20	28.46	40.45	9.33	32.94
PK	4.82399G	49.77	74.00	-24.23	3.37	3	Vertical	308	2.90	46.40	32.34	5.68	34.65
PK	4.96363G	46.51	74.00	-27.49	4.18	3	Vertical	65	1.75	42.33	33.05	5.77	34.64
PK	11.015G	53.81	74.00	-20.19	12.60	3	Vertical	322	2.46	41.21	38.88	8.30	34.58
PK	11.48998G	51.97	74.00	-22.03	12.94	3	Vertical	349	2.11	39.03	39.01	8.50	34.57
PK	14.04616G	56.83	68.20	-11.37	16.82	3	Vertical	272	1.20	40.01	40.44	9.32	32.94

Radiated Emissions above 1GHz_Mode 2



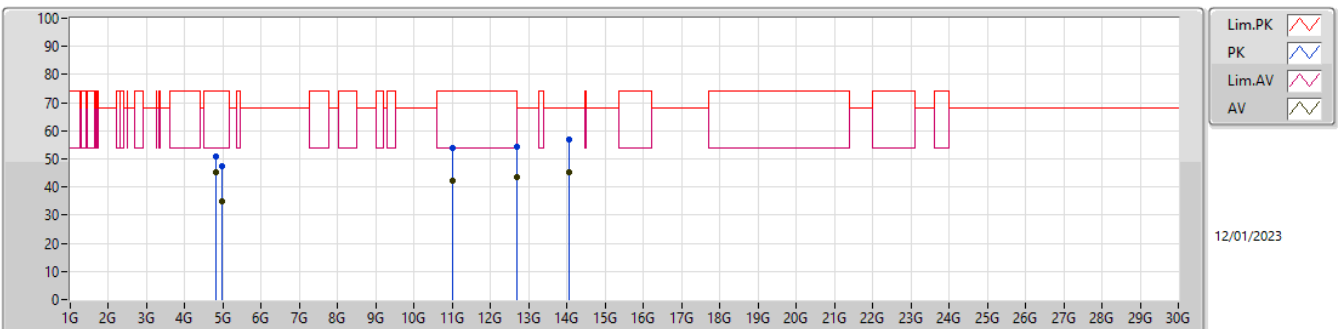
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.82398G	44.91	54.00	-9.09	3.37	3	Horizontal	305	1.03	41.54	32.34	5.68	34.65
AV	4.9615G	35.07	54.00	-18.93	4.18	3	Horizontal	76	1.53	30.89	33.05	5.77	34.64
AV	11.01836G	42.55	54.00	-11.45	12.60	3	Horizontal	258	2.66	29.95	38.88	8.30	34.58
AV	11.48668G	42.34	54.00	-11.66	12.93	3	Horizontal	342	1.09	29.41	39.01	8.49	34.57
AV	14.05478G	45.36	68.20	-22.84	16.84	3	Horizontal	231	2.05	28.52	40.46	9.33	32.95
PK	4.82396G	51.05	74.00	-22.95	3.37	3	Horizontal	305	1.03	47.68	32.34	5.68	34.65
PK	4.96365G	47.46	74.00	-26.54	4.18	3	Horizontal	76	1.53	43.28	33.05	5.77	34.64
PK	11.01514G	54.01	74.00	-19.99	12.60	3	Horizontal	258	2.66	41.41	38.88	8.30	34.58
PK	11.48932G	51.85	74.00	-22.15	12.94	3	Horizontal	342	1.09	38.91	39.01	8.50	34.57
PK	14.0492G	56.28	68.20	-11.92	16.84	3	Horizontal	231	2.05	39.44	40.45	9.33	32.94

Radiated Emissions above 1GHz_Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.82394G	43.86	54.00	-10.14	3.37	3	Vertical	305	2.78	40.49	32.34	5.68	34.65
AV	4.95915G	34.96	54.00	-19.04	4.17	3	Vertical	341	1.48	30.79	33.04	5.77	34.64
AV	11.01566G	42.37	54.00	-11.63	12.60	3	Vertical	28	1.06	29.77	38.88	8.30	34.58
AV	12.68798G	43.70	54.00	-10.30	14.33	3	Vertical	108	2.39	29.37	39.46	8.92	34.05
AV	14.05486G	45.37	68.20	-22.83	16.84	3	Vertical	61	2.24	28.53	40.46	9.33	32.95
PK	4.82404G	51.07	74.00	-22.93	3.37	3	Vertical	305	2.78	47.70	32.34	5.68	34.65
PK	4.96366G	46.08	74.00	-27.92	4.18	3	Vertical	341	1.48	41.90	33.05	5.77	34.64
PK	11.0181G	53.65	74.00	-20.35	12.60	3	Vertical	28	1.06	41.05	38.88	8.30	34.58
PK	12.69058G	54.26	74.00	-19.74	14.34	3	Vertical	108	2.39	39.92	39.47	8.92	34.05
PK	14.0469G	55.90	68.20	-12.30	16.82	3	Vertical	61	2.24	39.08	40.44	9.32	32.94

Radiated Emissions above 1GHz_Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.82399G	45.12	54.00	-8.88	3.37	3	Horizontal	307	1.32	41.75	32.34	5.68	34.65
AV	4.96096G	35.12	54.00	-18.88	4.17	3	Horizontal	233	1.50	30.95	33.04	5.77	34.64
AV	11.0153G	42.42	54.00	-11.58	12.60	3	Horizontal	124	2.15	29.82	38.88	8.30	34.58
AV	12.69054G	43.74	54.00	-10.26	14.34	3	Horizontal	42	2.66	29.40	39.47	8.92	34.05
AV	14.04836G	45.43	68.20	-22.77	16.84	3	Horizontal	82	1.04	28.59	40.45	9.33	32.94
PK	4.8238G	50.71	74.00	-23.29	3.37	3	Horizontal	307	1.32	47.34	32.34	5.68	34.65
PK	4.96366G	47.40	74.00	-26.60	4.18	3	Horizontal	233	1.50	43.22	33.05	5.77	34.64
PK	11.0178G	53.72	74.00	-20.28	12.60	3	Horizontal	124	2.15	41.12	38.88	8.30	34.58
PK	12.68926G	54.38	74.00	-19.62	14.34	3	Horizontal	42	2.66	40.04	39.47	8.92	34.05
PK	14.05256G	56.95	68.20	-11.25	16.85	3	Horizontal	82	1.04	40.10	40.46	9.33	32.94