FCC Radio Test Report

FCC ID	:	**V93MT6200AW**
Equipment	:	**Mobile Terminal System**
Brand Name	:	**POSIFLEX**
Model Name	:	**MT-62xxxx, MT-62xxxx-G2 (where x can be 0-9, A-Z, blank or symbol)**
Applicant	:	**POSIFLEX TECHNOLOGY, INC. 4F-8F, No.23, Datong St., Tucheng Dist., New Taipei City 236044, Taiwan (R.O.C.)**
Manufacturer	:	**POSIFLEX TECHNOLOGY, INC. 4F-8F, No.23, Datong St., Tucheng Dist., New Taipei City 236044, Taiwan (R.O.C.)**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Jan. 11, 2024, and testing was started from Feb. 19, 2024 and completed on Mar. 14, 2024. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)

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PHOTOGRAPHS OF EUT V01

History of this test report

Report No.	Version	Description	Issued Date
FR3D2937AL	01	Initial issue of report	Jun. 27, 2024

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: Terry Chang

Report Producer: Julie Tseng

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

Note:
- Bluetooth LE uses a GFSK (125kbps/500kbps/1Mbps/2Mbps)) modulation.
- BWch is the nominal channel bandwidth.
- Bluetooth LE 125k/500k/1Mbps uses the same modulation, and 1Mbps was found to be the worst case scenario which was performed full test and recorded in this test report.

1.1.2 Antenna Information

For 8-inch EUT

Ant.	Brand	Model Name	Antenna Type	Connector
1	Unictron	HE018	PCB	I-PEX

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	2.7	2.4	2.7

For 2.4GHz function:

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

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

For BT function:

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

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

For 5GHz function:

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

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

For 10-inch EUT

Ant.	Brand	Model Name	Antenna Type	Connector
1	Unictron	HE019	PCB	I-PEX

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	0.4	2.9	0.4

For 2.4GHz function:

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

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

For BT function:

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

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

For 5GHz function:

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

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From Power Adapter			
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)	0.852	0.7	2.13m	1k
BT-LE(2Mbps)	0.576	2.4	1.074m	1k

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.

Size	Model Name	Description
8”	MT-62xxxx, MT-62xxxx-G2 (where x can be 0-9, A-Z, blank or symbol)	All the models are identical, the difference model for difference brand served as marketing strategy.
10”		

From the above models, model: MT-6208A, MT-6210A 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	Daniel Lin	21.0~22.5°C / 51~54%	25/Feb/2024
RF Conducted	TH01-HY	Jin Jing	22.7~23.2°C / 44~52%	20/Feb/2024~21/Feb/2024
Radiated (Co-location)	03CH03-HY	Simon Cheng	21.7~22.6°C / 48~52%	13/Mar/2024~14/Mar/2024
☒ Wen 33rd.St. (**TAF:** 3785)	**ADD:** No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
Radiated	03CH25-HY	Henry Ho	21.3~23.7°C / 51~54%	19/Feb/2024~24/Feb/2024

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	N/A

Note: The EUT transmits RF signal continuously by itself

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	7
2440MHz	7
2480MHz	7
BT-LE(2Mbps)	-
2404MHz	7
2440MHz	7
2478MHz	7

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	Adapter1 mode；BT LE TX
2	Adapter2 mode；BT LE TX

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter mode_8”		
2	Adapter mode_10”		
Operating Mode > 1GHz	CTX		
1	Adapter mode_8”		
2	Adapter mode_10”		
Mode 2 configuration was tested and found to be the worst case and measured during the test.			
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	WLAN 2.4GHz+Bluetooth+NFC
2	WLAN 5GHz+Bluetooth+NFC
Refer to Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
Power adapter 1	Brand Name	DELTA	Model Name	ADP-45HG B
	Manufacturer	DELTA ELECTRONICS, INC.	SN	-
	Power Rating	I/P: 100 - 240 Vac, 1.5 A O/P: 5.0 Vdc, 3.0A, 15W 9.0 Vdc, 3.0A, 27W 12.0 Vdc, 3.0A, 36W 15.0 Vdc, 3.0A, 45W 20.0 Vdc, 2.25A, 45W		
Power adapter 2	Brand Name	LITEON	Model Name	PA-1450-50
	Manufacturer	Lite-ON Technology Corp.	SN	-
	Power Rating	I/P: 100 - 240 Vac, 1.3 A O/P: 5.0 Vdc, 3.0A, 15W 9.0 Vdc, 3.0A, 27W 12.0 Vdc, 3.0A, 36W 15.0 Vdc, 3.0A, 45W 20.0 Vdc, 2.25A, 45W		
Power Cord (US Plug)	Brand Name	PHION	Model Name	PHP-301 to PHS-305
	Power Cord	1.8 meter, without shielded cable, without ferrite core		
Battery	Brand Name	POSIFLEX	Model Name	RB-1300
	Manufacturer	Jiade Energy Technology(Zhuhai) Co., Ltd.	SN	-
	Power Rating	7.70Vdc, 5930 mAh	Type	Li-ion

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

2.4 Support Equipment

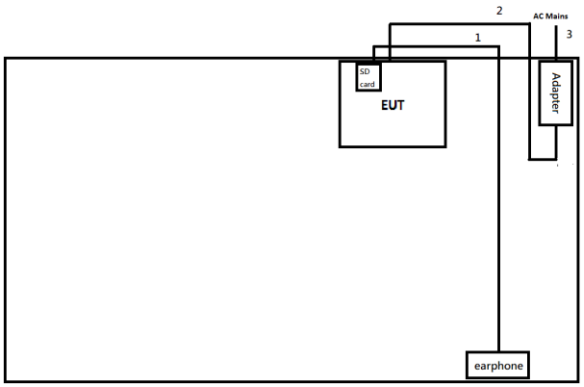
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Earphone	APPLE	MD827FEA	-	-
2	SD card	Sporton	Sporton	-	-
3	NFC Card	Sporton	Sporton	-	-

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

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Earphone	APPLE	MD827FEA	-	-
2	SD card	Sporton	Sporton	-	-

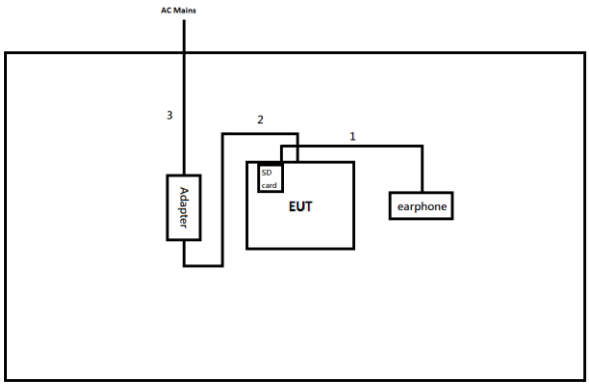
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	Audio Cable	No	1.25	-
2	DC Power cable	No	1.5	-
3	AC Power cable	No	1.8	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	Audio Cable	No	1.25	-
2	DC Power cable	No	1.5	-
3	AC Power cable	No	1.8	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

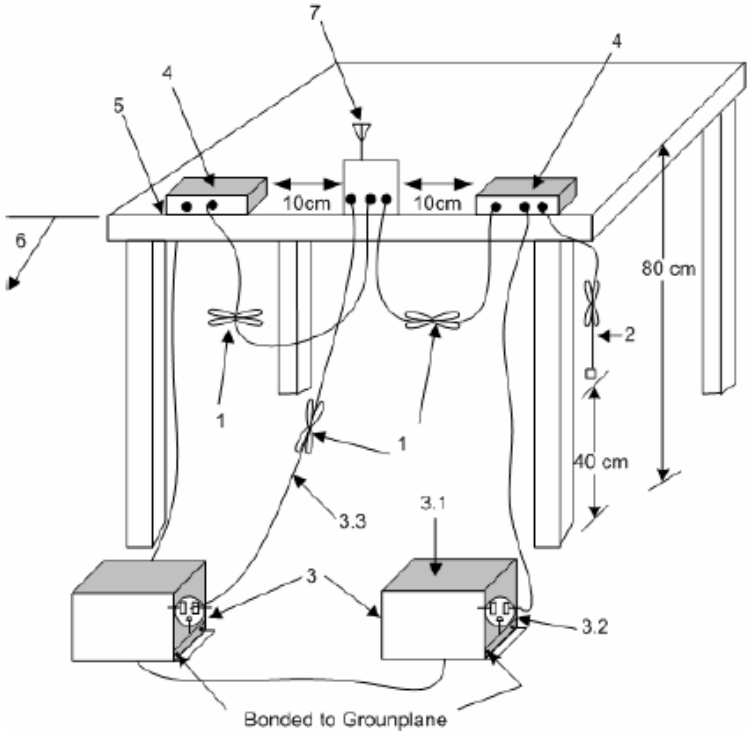
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.

3.1.4 Measurement Results Calculation

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

3.1.5 Test Setup

AC Power-line Conducted Emissions



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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

3.2.2 Measuring Instruments

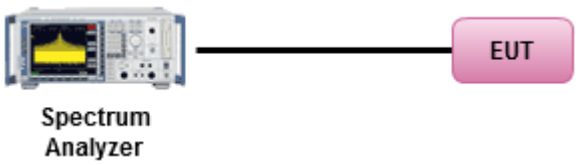
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)

3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

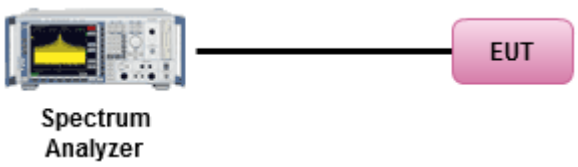
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

3.5.2 Measuring Instruments

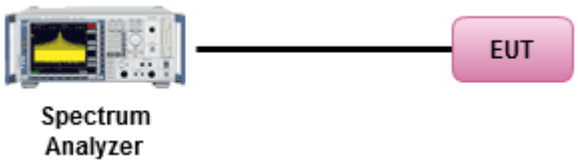
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

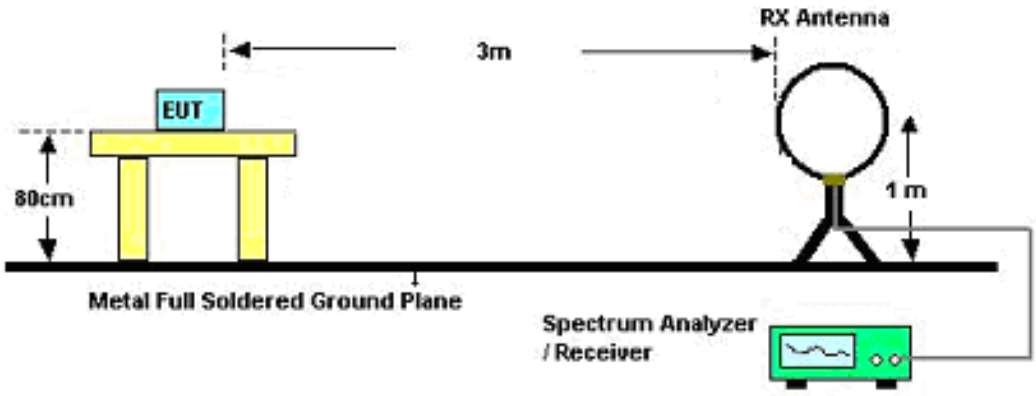
3.6.4 Measurement Results Calculation

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

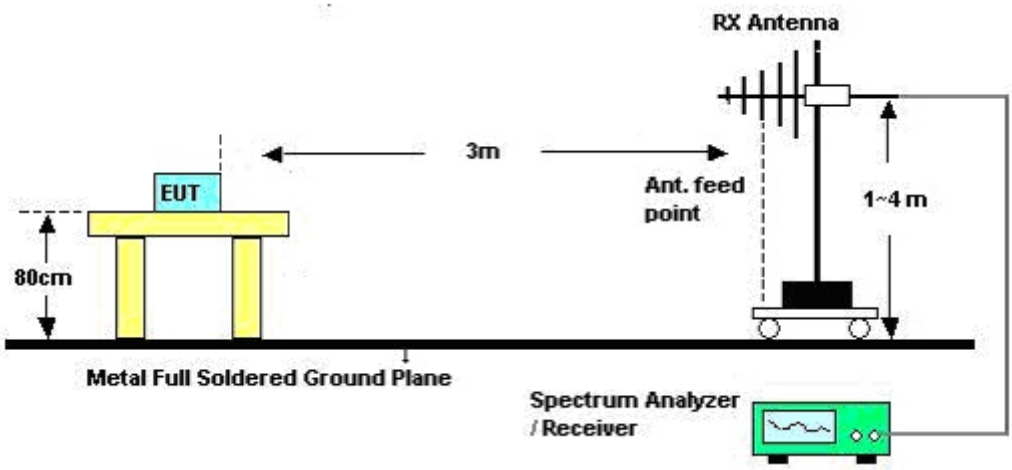
3.6.5 Test Setup

Emissions in Restricted Frequency Bands

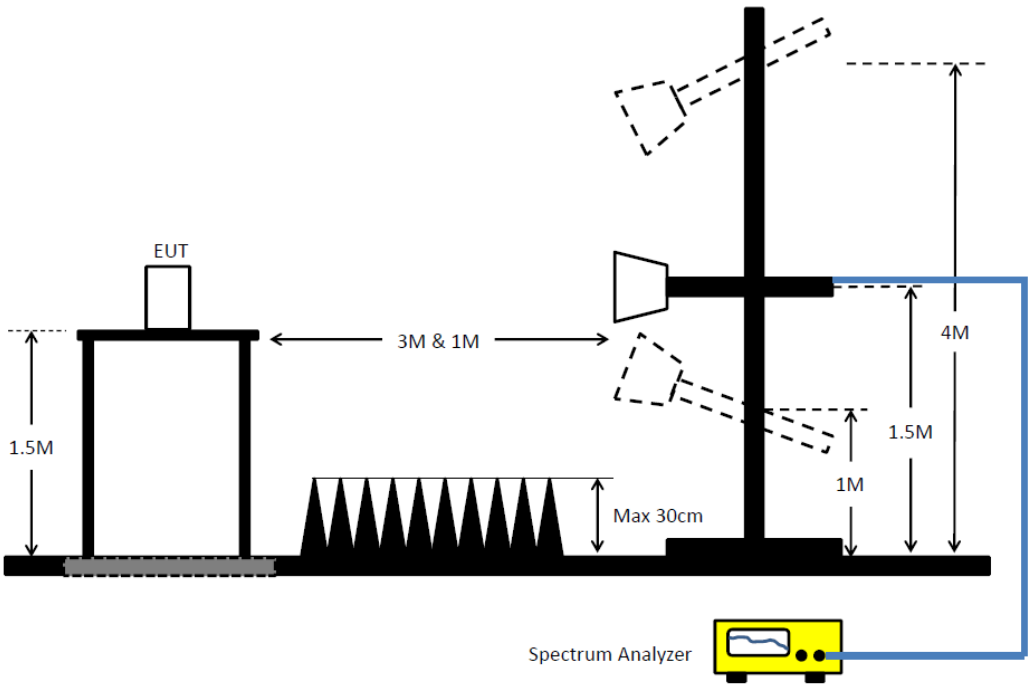
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	16/May/2023	15/May/2024
TWO-LINE V-NETWORK	R&S	ENV 216	101295	9kHz-30MHz	05/Feb/2024	04/Feb/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	28/Feb/2023	27/Feb/2024
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	18/Oct/2023	17/Oct/2024
Software	Sporton	SENSE-EMI	V5.11.3	-	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	101013	10Hz~40GHz	10/Apr/2023	09/Apr/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	20/Oct/2023	19/Oct/2024
Power Meter	Anritsu	ML2495A	2105003	300MHz~40GHz	19/Sep/2023	18/Sep/2024
Pulse Sensor	Anritsu	MA2411B	1911254	300MHz~40GHz	19/Sep/2023	18/Sep/2024
SENSE-15247_FS	Sporton	V5.11.16	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH25-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	30MHz~1GHz 3m	03/Aug/2023	02/Aug/2024
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	09/Aug/2023	08/Aug/2024
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	17/Nov/2023	16/Nov/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63537/001	30MHz~1GHz	31/May/2023	30/May/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	12/Jul/2023	11/Jul/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	21/Aug/2023	20/Aug/2024
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	9kHz~1GHz	24/Apr/2023	23/Apr/2024
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	24/Apr/2023	23/Apr/2024
Preamplifier	SGH	PRAMP 903	20230515-1	30MHz~1GHz	25/May/2023	24/May/2024
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz ~18GHz	25/May/2023	24/May/2024
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
SENSE-15247-FS	Sporton	V5.11	NA	NA	NA	NA

Instrument for Radiated Test (03CH03-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	28/Jul/2023	27/Jul/2024
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2023	25/Oct/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	2267	1GHz~18GHz	04/Oct/2023	03/Oct/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	1248	18GHz ~ 40GHz	21/Aug/2023	20/Aug/2024
RF CABLE 5+8 m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable -03	1GHz~40GHz	20/Feb/2024	19/Feb/2025
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	26/Jul/2023	25/Jul/2024
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	60604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
SENSE-EMI	Sporton	V5.11.6	N/A	N/A	N/A	N/A

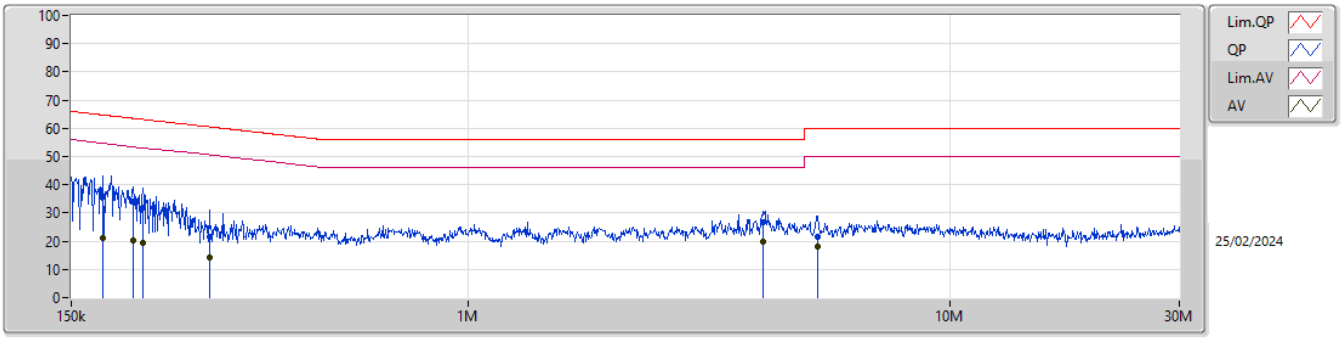
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	165.082k	39.24	65.20	-25.96	Neutral
Mode 2	Pass	AV	479.294k	21.92	46.34	-24.42	Neutral

Result

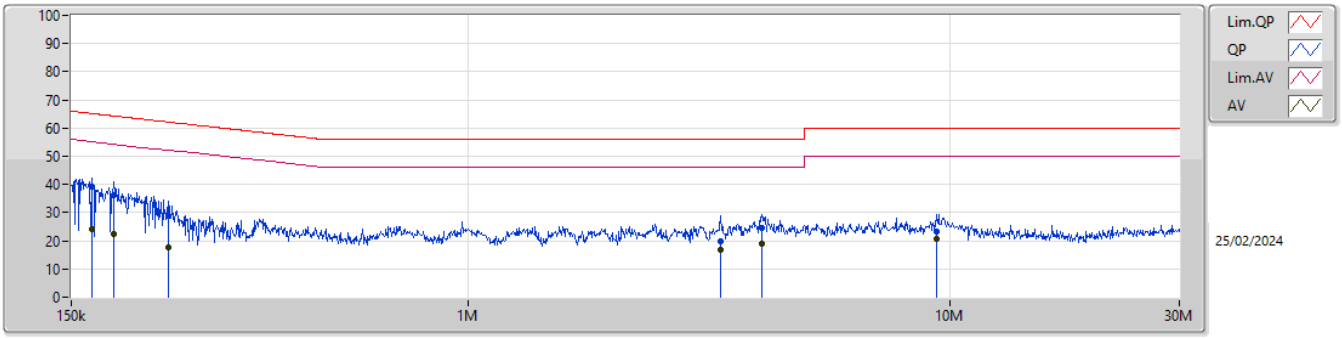
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	174.571k	35.85	64.74	-28.89	Line
Mode 1	Pass	AV	174.571k	21.11	54.74	-33.63	Line
Mode 1	Pass	QP	201.551k	33.90	63.55	-29.65	Line
Mode 1	Pass	AV	201.551k	20.33	53.55	-33.22	Line
Mode 1	Pass	QP	211.442k	31.87	63.15	-31.28	Line
Mode 1	Pass	AV	211.442k	19.21	53.15	-33.94	Line
Mode 1	Pass	QP	289.837k	21.46	60.53	-39.07	Line
Mode 1	Pass	AV	289.837k	14.08	50.53	-36.45	Line
Mode 1	Pass	QP	4.105M	26.65	56.00	-29.35	Line
Mode 1	Pass	AV	4.105M	19.90	46.00	-26.10	Line
Mode 1	Pass	QP	5.321M	21.52	60.00	-38.48	Line
Mode 1	Pass	AV	5.321M	17.94	50.00	-32.06	Line
Mode 1	Pass	QP	165.082k	39.24	65.20	-25.96	Neutral
Mode 1	Pass	AV	165.082k	24.19	55.20	-31.01	Neutral
Mode 1	Pass	QP	183.87k	36.26	64.30	-28.04	Neutral
Mode 1	Pass	AV	183.87k	22.25	54.30	-32.05	Neutral
Mode 1	Pass	QP	239.296k	28.72	62.12	-33.40	Neutral
Mode 1	Pass	AV	239.296k	17.61	52.12	-34.51	Neutral
Mode 1	Pass	QP	3.349M	19.88	56.00	-36.12	Neutral
Mode 1	Pass	AV	3.349M	16.96	46.00	-29.04	Neutral
Mode 1	Pass	QP	4.073M	24.37	56.00	-31.63	Neutral
Mode 1	Pass	AV	4.073M	19.06	46.00	-26.94	Neutral
Mode 1	Pass	QP	9.38M	23.26	60.00	-36.74	Neutral
Mode 1	Pass	AV	9.38M	20.55	50.00	-29.45	Neutral
Mode 2	Pass	QP	150.6k	40.07	65.96	-25.89	Line
Mode 2	Pass	AV	150.6k	24.23	55.96	-31.73	Line
Mode 2	Pass	QP	207.263k	33.61	63.30	-29.69	Line
Mode 2	Pass	AV	207.263k	20.48	53.30	-32.82	Line
Mode 2	Pass	QP	260.222k	25.79	61.43	-35.64	Line
Mode 2	Pass	AV	260.222k	16.92	51.43	-34.51	Line
Mode 2	Pass	QP	464.229k	27.37	56.61	-29.24	Line
Mode 2	Pass	AV	464.229k	22.05	46.61	-24.56	Line
Mode 2	Pass	QP	4.008M	20.61	56.00	-35.39	Line
Mode 2	Pass	AV	4.008M	17.50	46.00	-28.50	Line
Mode 2	Pass	QP	12.208M	25.39	60.00	-34.61	Line
Mode 2	Pass	AV	12.208M	21.79	50.00	-28.21	Line
Mode 2	Pass	QP	161.175k	38.57	65.41	-26.84	Neutral
Mode 2	Pass	AV	161.175k	22.65	55.41	-32.76	Neutral
Mode 2	Pass	QP	202.358k	33.27	63.51	-30.24	Neutral
Mode 2	Pass	AV	202.358k	20.64	53.51	-32.87	Neutral
Mode 2	Pass	QP	261.263k	24.38	61.39	-37.01	Neutral
Mode 2	Pass	AV	261.263k	16.35	51.39	-35.04	Neutral
Mode 2	Pass	QP	479.294k	25.39	56.34	-30.95	Neutral
Mode 2	Pass	AV	479.294k	21.92	46.34	-24.42	Neutral
Mode 2	Pass	QP	4.056M	19.84	56.00	-36.16	Neutral
Mode 2	Pass	AV	4.056M	17.03	46.00	-28.97	Neutral
Mode 2	Pass	QP	9.999M	22.94	60.00	-37.06	Neutral
Mode 2	Pass	AV	9.999M	19.85	50.00	-30.15	Neutral

Conducted Emissions at Powerline_Mode 1



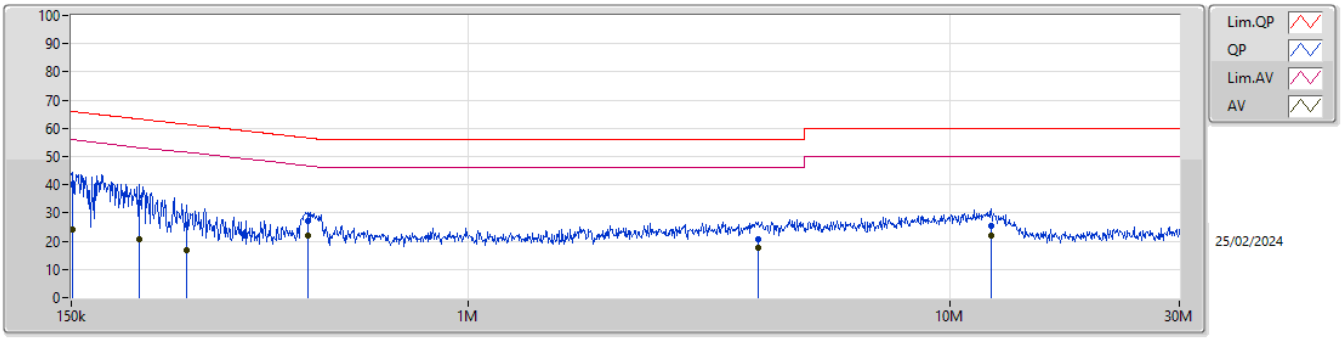
Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	174.571k	35.85	64.74	-28.89	19.36	Line	-	16.49	9.61	0.03	9.72
AV	174.571k	21.11	54.74	-33.63	19.36	Line	-	1.75	9.61	0.03	9.72
QP	201.551k	33.90	63.55	-29.65	19.32	Line	-	14.58	9.61	0.03	9.68
AV	201.551k	20.33	53.55	-33.22	19.32	Line	-	1.01	9.61	0.03	9.68
QP	211.442k	31.87	63.15	-31.28	19.33	Line	-	12.54	9.61	0.03	9.69
AV	211.442k	19.21	53.15	-33.94	19.33	Line	-	-0.12	9.61	0.03	9.69
QP	289.837k	21.46	60.53	-39.07	19.37	Line	-	2.09	9.61	0.04	9.72
AV	289.837k	14.08	50.53	-36.45	19.37	Line	-	-5.29	9.61	0.04	9.72
QP	4.105M	26.65	56.00	-29.35	19.56	Line	-	7.09	9.64	0.13	9.79
AV	4.105M	19.90	46.00	-26.10	19.56	Line	-	0.34	9.64	0.13	9.79
QP	5.321M	21.52	60.00	-38.48	19.59	Line	-	1.93	9.65	0.15	9.79
AV	5.321M	17.94	50.00	-32.06	19.59	Line	-	-1.65	9.65	0.15	9.79

Conducted Emissions at Powerline_Mode 1



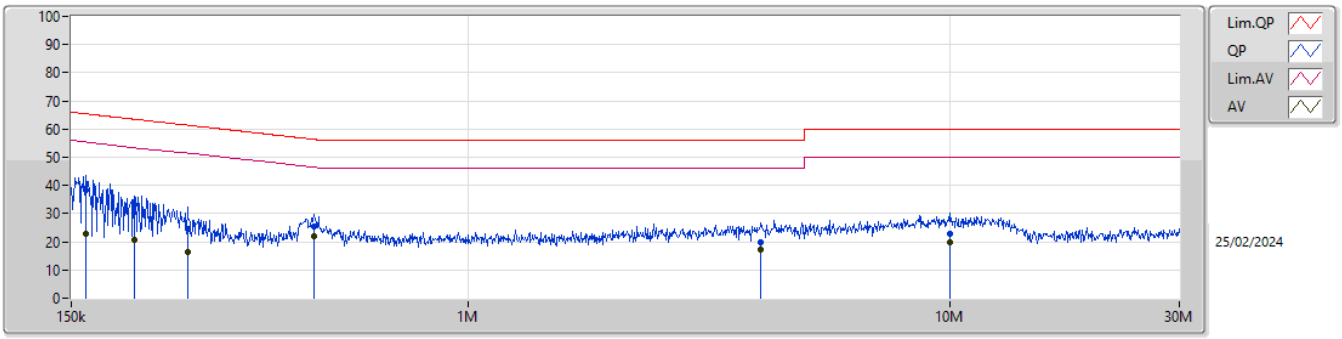
Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	165.082k	39.24	65.20	-25.96	19.38	Neutral	-	19.86	9.62	0.03	9.73
AV	165.082k	24.19	55.20	-31.01	19.38	Neutral	-	4.81	9.62	0.03	9.73
QP	183.87k	36.26	64.30	-28.04	19.34	Neutral	-	16.92	9.61	0.03	9.70
AV	183.87k	22.25	54.30	-32.05	19.34	Neutral	-	2.91	9.61	0.03	9.70
QP	239.296k	28.72	62.12	-33.40	19.34	Neutral	-	9.38	9.61	0.03	9.70
AV	239.296k	17.61	52.12	-34.51	19.34	Neutral	-	-1.73	9.61	0.03	9.70
QP	3.349M	19.88	56.00	-36.12	19.54	Neutral	-	0.34	9.63	0.12	9.79
AV	3.349M	16.96	46.00	-29.04	19.54	Neutral	-	-2.58	9.63	0.12	9.79
QP	4.073M	24.37	56.00	-31.63	19.56	Neutral	-	4.81	9.64	0.13	9.79
AV	4.073M	19.06	46.00	-26.94	19.56	Neutral	-	-0.50	9.64	0.13	9.79
QP	9.38M	23.26	60.00	-36.74	19.66	Neutral	-	3.60	9.69	0.18	9.79
AV	9.38M	20.55	50.00	-29.45	19.66	Neutral	-	0.89	9.69	0.18	9.79

Conducted Emissions at Powerline_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150.6k	40.07	65.96	-25.89	19.40	Line	-	20.67	9.61	0.03	9.76
AV	150.6k	24.23	55.96	-31.73	19.40	Line	-	4.83	9.61	0.03	9.76
QP	207.263k	33.61	63.30	-29.69	19.32	Line	-	14.29	9.61	0.03	9.68
AV	207.263k	20.48	53.30	-32.82	19.32	Line	-	1.16	9.61	0.03	9.68
QP	260.222k	25.79	61.43	-35.64	19.35	Line	-	6.44	9.61	0.03	9.71
AV	260.222k	16.92	51.43	-34.51	19.35	Line	-	-2.43	9.61	0.03	9.71
QP	464.229k	27.37	56.61	-29.24	19.42	Line	-	7.95	9.61	0.04	9.77
AV	464.229k	22.05	46.61	-24.56	19.42	Line	-	2.63	9.61	0.04	9.77
QP	4.008M	20.61	56.00	-35.39	19.56	Line	-	1.05	9.64	0.13	9.79
AV	4.008M	17.50	46.00	-28.50	19.56	Line	-	-2.06	9.64	0.13	9.79
QP	12.208M	25.39	60.00	-34.61	19.66	Line	-	5.73	9.64	0.21	9.81
AV	12.208M	21.79	50.00	-28.21	19.66	Line	-	2.13	9.64	0.21	9.81

Conducted Emissions at Powerline_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	161.175k	38.57	65.41	-26.84	19.39	Neutral	-	19.18	9.62	0.03	9.74
AV	161.175k	22.65	55.41	-32.76	19.39	Neutral	-	3.26	9.62	0.03	9.74
QP	202.358k	33.27	63.51	-30.24	19.32	Neutral	-	13.95	9.61	0.03	9.68
AV	202.358k	20.64	53.51	-32.87	19.32	Neutral	-	1.32	9.61	0.03	9.68
QP	261.263k	24.38	61.39	-37.01	19.35	Neutral	-	5.03	9.61	0.03	9.71
AV	261.263k	16.35	51.39	-35.04	19.35	Neutral	-	-3.00	9.61	0.03	9.71
QP	479.294k	25.39	56.34	-30.95	19.42	Neutral	-	5.97	9.61	0.04	9.77
AV	479.294k	21.92	46.34	-24.42	19.42	Neutral	-	2.50	9.61	0.04	9.77
QP	4.056M	19.84	56.00	-36.16	19.56	Neutral	-	0.28	9.64	0.13	9.79
AV	4.056M	17.03	46.00	-28.97	19.56	Neutral	-	-2.53	9.64	0.13	9.79
QP	9.999M	22.94	60.00	-37.06	19.66	Neutral	-	3.28	9.69	0.18	9.79
AV	9.999M	19.85	50.00	-30.15	19.66	Neutral	-	0.19	9.69	0.18	9.79

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)	707.5k	1.049M	1M05F1D	625k	1.023M
BT-LE(2Mbps)	1.345M	2.086M	2M09F1D	1.208M	2.076M

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

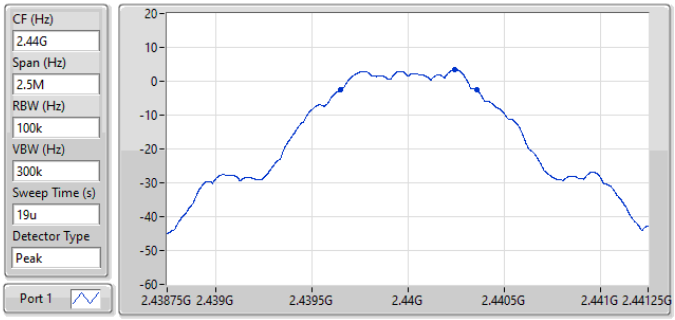
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	625k	1.039M
2440MHz	Pass	500k	707.5k	1.049M
2480MHz	Pass	500k	640k	1.023M
BT-LE(2Mbps)	-	-	-	-
2404MHz	Pass	500k	1.208M	2.076M
2440MHz	Pass	500k	1.295M	2.086M
2478MHz	Pass	500k	1.345M	2.076M

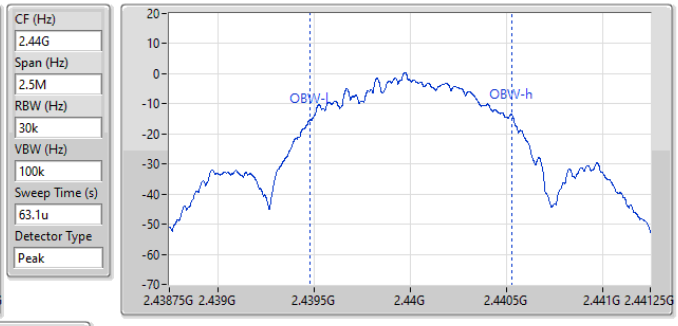
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_BT-LE(1Mbps) **EBW-DTS**

2440MHz

20/02/2024



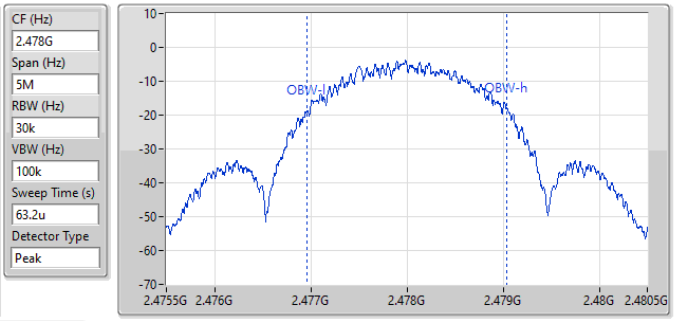


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
707.5k	2.439651G	2.440359G	1.049M	2.439483G	2.440532G	500k	1

2.4-2.4835GHz_BT-LE(2Mbps) **EBW-DTS**

2478MHz

20/02/2024



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.345M	2.477355G	2.4787G	2.076M	2.476966G	2.479042G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	4.75	0.00299
BT-LE(2Mbps)	4.96	0.00313

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	2.70	4.58	30.00
2440MHz	Pass	2.70	4.62	30.00
2480MHz	Pass	2.70	4.75	30.00
BT-LE(2Mbps)	-	-	-	-
2404MHz	Pass	2.70	4.56	30.00
2440MHz	Pass	2.70	4.84	30.00
2478MHz	Pass	2.70	4.96	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-12.13
BT-LE(2Mbps)	-13.98

RBW = 3kHz;

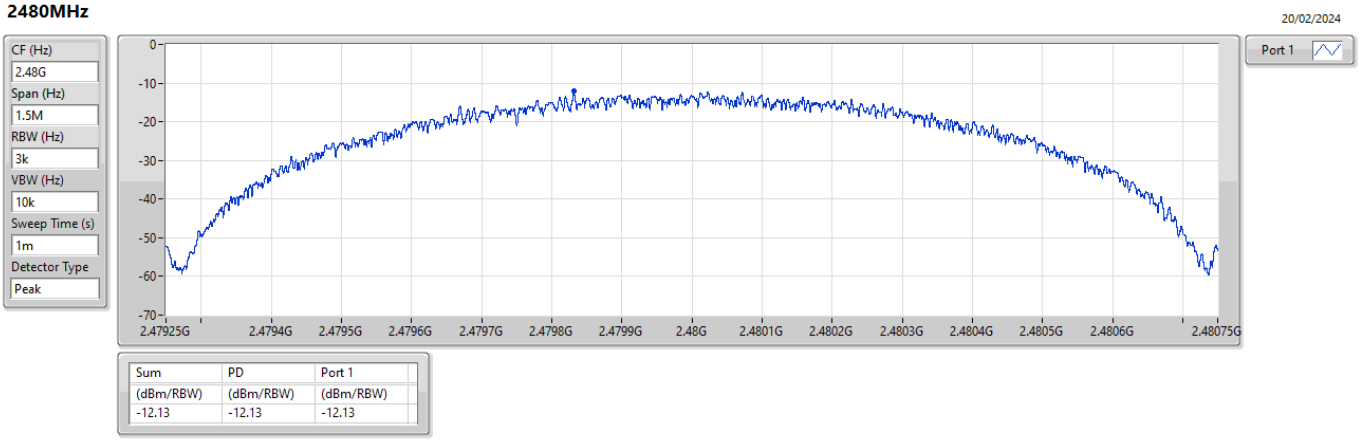
Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	2.70	-12.24	8.00
2440MHz	Pass	2.70	-12.56	8.00
2480MHz	Pass	2.70	-12.13	8.00
BT-LE(2Mbps)	-	-	-	-
2404MHz	Pass	2.70	-14.42	8.00
2440MHz	Pass	2.70	-14.21	8.00
2478MHz	Pass	2.70	-13.98	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;

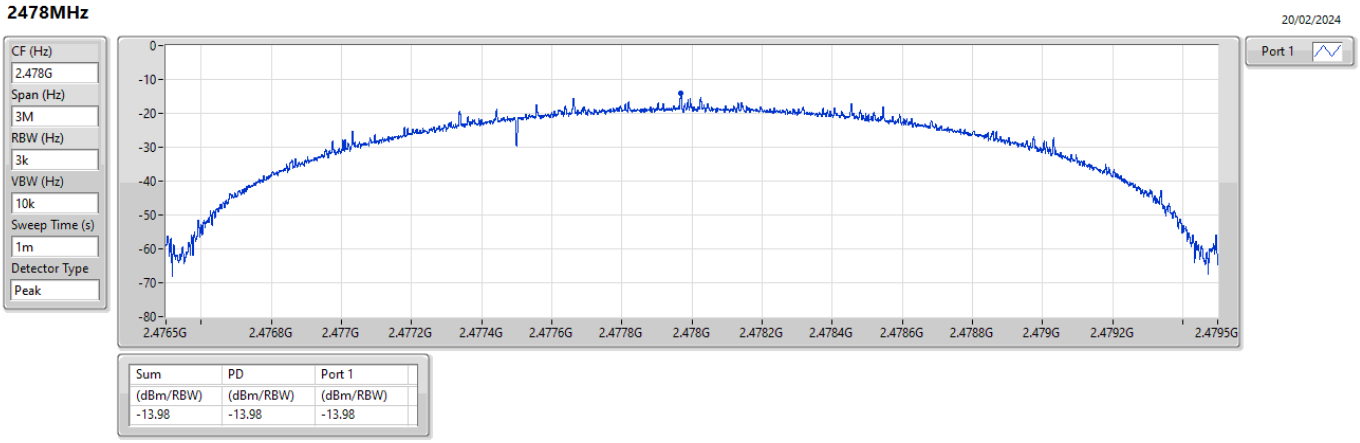
2.4-2.4835GHz_BT-LE(1Mbps) **PSD**

2480MHz



2.4-2.4835GHz_BT-LE(2Mbps) **PSD**

2478MHz



Summary

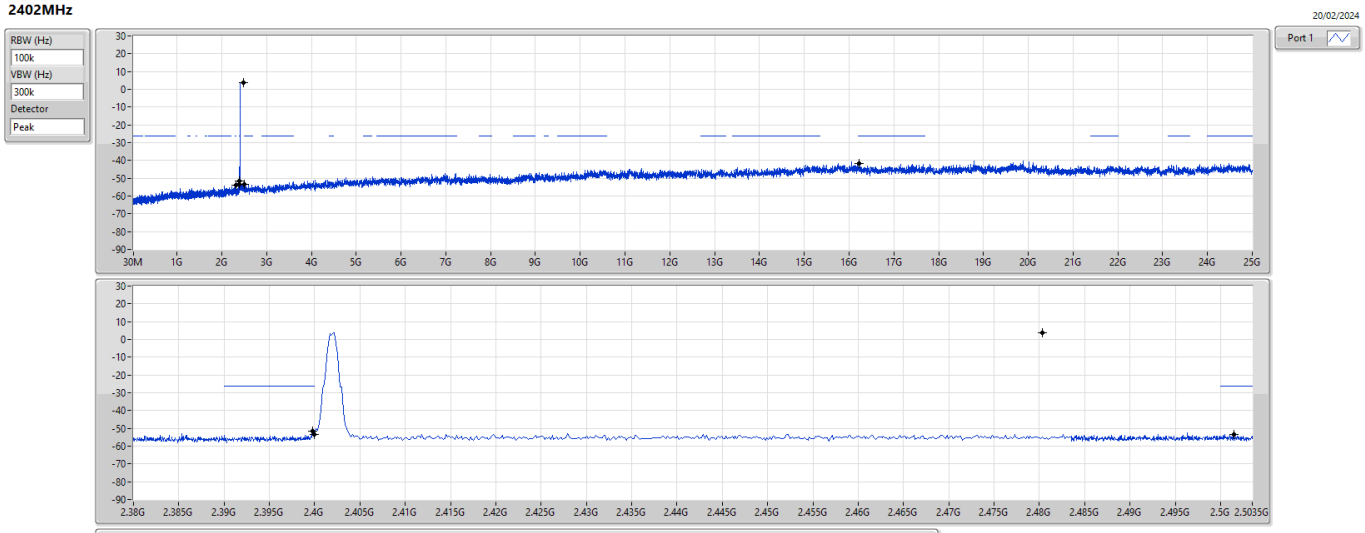
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.48033G	3.65	-26.35	2.3095G	-53.90	2.3998G	-51.36	2.4G	-53.49	2.5015G	-53.38	16.22074G	-41.77	1
BT-LE(2Mbps)	Pass	2.47816G	4.11	-25.89	2.18495G	-54.99	2.39448G	-53.05	2.4G	-55.61	2.50214G	-53.63	15.19434G	-40.95	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	2.48033G	3.65	-26.35	2.3095G	-53.90	2.3998G	-51.36	2.4G	-53.49	2.5015G	-53.38	16.22074G	-41.77	1
2440MHz	Pass	2.48033G	3.65	-26.35	2.0134G	-55.09	2.39456G	-53.49	2.4G	-54.96	2.5029G	-53.67	24.58663G	-41.64	1
2480MHz	Pass	2.48033G	3.65	-26.35	2.0839G	-54.15	2.4G	-53.02	2.4G	-56.13	2.5025G	-54.07	24.09452G	-41.08	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2404MHz	Pass	2.47816G	4.11	-25.89	2.18495G	-54.99	2.39448G	-53.05	2.4G	-55.61	2.50214G	-53.63	15.19434G	-40.95	1
2440MHz	Pass	2.47816G	4.11	-25.89	2.17555G	-54.61	2.39156G	-53.40	2.4G	-54.75	2.50146G	-53.32	24.21262G	-41.93	1
2478MHz	Pass	2.47816G	4.11	-25.89	2.0604G	-54.19	2.39668G	-53.93	2.4G	-55.66	2.50114G	-53.29	24.49383G	-41.31	1

2.4-2.4835GHz_BT-LE(1Mbps) **CSENdB-DTS**

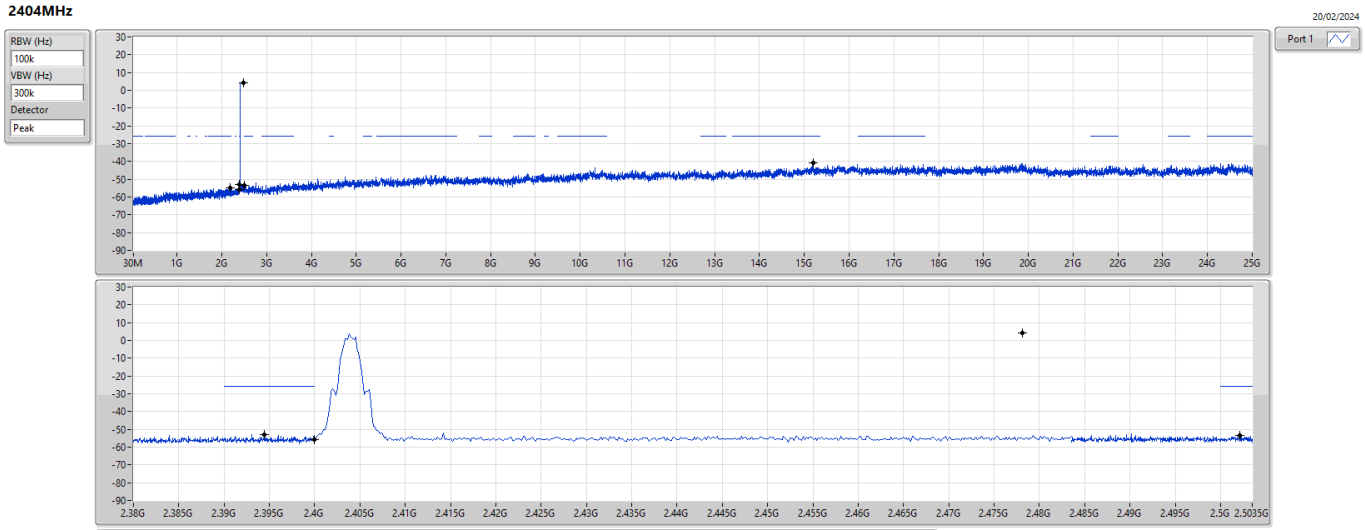
2402MHz



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
2.48033G	3.65	-26.35	2.3095G	-53.90	2.3998G	-51.36	2.4G	-53.49	2.5015G	-53.38	16.22074G	-41.77	1

2.4-2.4835GHz_BT-LE(2Mbps) **CSENdB-DTS**

2404MHz



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
2.47816G	4.11	-25.89	2.18495G	-54.99	2.39448G	-53.05	2.4G	-55.61	2.50214G	-53.63	15.19434G	-40.95	1

Summary

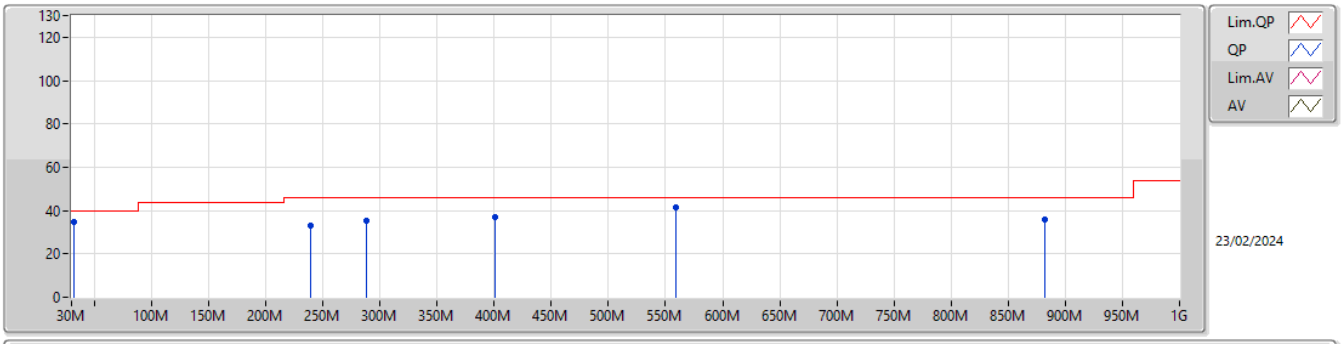
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	QP	288.02M	44.58	46.00	-1.42	3	Horizontal	106	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_Adapter1	Pass	PK	30M	35.98	40.00	-4.02	3	Vertical	360	1.00
2440MHz_Adapter1	Pass	PK	239.52M	33.63	46.00	-12.37	3	Vertical	360	1.00
2440MHz_Adapter1	Pass	PK	286.08M	35.74	46.00	-10.26	3	Vertical	360	1.00
2440MHz_Adapter1	Pass	PK	400.54M	38.61	46.00	-7.39	3	Vertical	360	1.00
2440MHz_Adapter1	Pass	PK	559.62M	38.20	46.00	-7.80	3	Vertical	360	1.00
2440MHz_Adapter1	Pass	PK	800.18M	36.51	46.00	-9.49	3	Vertical	360	1.00
2440MHz_Adapter1	Pass	PK	239.52M	37.40	46.00	-8.60	3	Horizontal	0	1.00
2440MHz_Adapter1	Pass	PK	400.54M	40.82	46.00	-5.18	3	Horizontal	0	1.00
2440MHz_Adapter1	Pass	PK	559.62M	38.66	46.00	-7.34	3	Horizontal	0	1.00
2440MHz_Adapter1	Pass	PK	800.18M	41.66	46.00	-4.34	3	Horizontal	0	1.00
2440MHz_Adapter1	Pass	PK	881.66M	40.72	46.00	-5.28	3	Horizontal	0	1.00
2440MHz_Adapter1	Pass	QP	288.02M	42.80	46.00	-3.20	3	Horizontal	106	1.00
2440MHz_Adapter2	Pass	PK	31.94M	34.84	40.00	-5.16	3	Vertical	0	1.00
2440MHz_Adapter2	Pass	PK	239.52M	32.91	46.00	-13.09	3	Vertical	0	1.00
2440MHz_Adapter2	Pass	PK	288.02M	35.14	46.00	-10.86	3	Vertical	0	1.00
2440MHz_Adapter2	Pass	PK	400.54M	37.16	46.00	-8.84	3	Vertical	0	1.00
2440MHz_Adapter2	Pass	PK	559.62M	41.50	46.00	-4.50	3	Vertical	0	1.00
2440MHz_Adapter2	Pass	PK	881.66M	36.14	46.00	-9.86	3	Vertical	0	1.00
2440MHz_Adapter2	Pass	PK	123.12M	32.66	43.50	-10.84	3	Horizontal	360	1.00
2440MHz_Adapter2	Pass	PK	239.52M	40.40	46.00	-5.60	3	Horizontal	360	1.00
2440MHz_Adapter2	Pass	PK	400.54M	36.82	46.00	-9.18	3	Horizontal	360	1.00
2440MHz_Adapter2	Pass	PK	559.62M	36.91	46.00	-9.09	3	Horizontal	360	1.00
2440MHz_Adapter2	Pass	PK	800.18M	41.01	46.00	-4.99	3	Horizontal	360	1.00
2440MHz_Adapter2	Pass	QP	288.02M	44.58	46.00	-1.42	3	Horizontal	106	1.00

2.4-2.4835GHz_BT-LE(2Mbps)

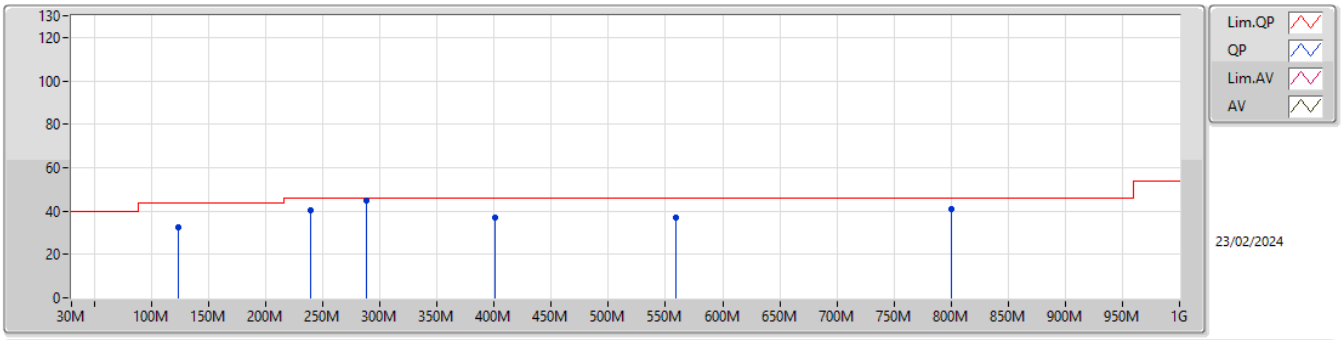
2440MHz_Adapter2



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)
PK	31.94M	34.84	40.00	-5.16	-19.29	3	Vertical	0	1.00	54.13	24.52	0.42	44.23
PK	239.52M	32.91	46.00	-13.09	-25.71	3	Vertical	0	1.00	58.62	17.44	1.05	44.20
PK	288.02M	35.14	46.00	-10.86	-23.71	3	Vertical	0	1.00	58.85	19.26	1.15	44.12
PK	400.54M	37.16	46.00	-8.84	-20.37	3	Vertical	0	1.00	57.53	22.22	1.34	43.93
PK	559.62M	41.50	46.00	-4.50	-15.46	3	Vertical	0	1.00	56.96	26.68	1.60	43.74
PK	881.66M	36.14	46.00	-9.86	-12.31	3	Vertical	0	1.00	48.45	29.10	1.98	43.39

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Adapter2



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)
PK	123.12M	32.66	43.50	-10.84	-26.06	3	Horizontal	360	1.00	58.72	17.58	0.74	44.38
PK	239.52M	40.40	46.00	-5.60	-25.71	3	Horizontal	360	1.00	66.11	17.44	1.05	44.20
PK	400.54M	36.82	46.00	-9.18	-20.37	3	Horizontal	360	1.00	57.19	22.22	1.34	43.93
PK	559.62M	36.91	46.00	-9.09	-15.46	3	Horizontal	360	1.00	52.37	26.68	1.60	43.74
PK	800.18M	41.01	46.00	-4.99	-13.49	3	Horizontal	360	1.00	54.50	28.00	1.93	43.42
QP	288.02M	44.58	46.00	-1.42	-23.71	3	Horizontal	106	1.00	68.29	19.26	1.15	44.12

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	2.4898G	44.56	54.00	-9.44	3	Vertical	247	1.03
BT-LE(2Mbps)	Pass	AV	2.492G	44.54	54.00	-9.46	3	Vertical	247	1.17

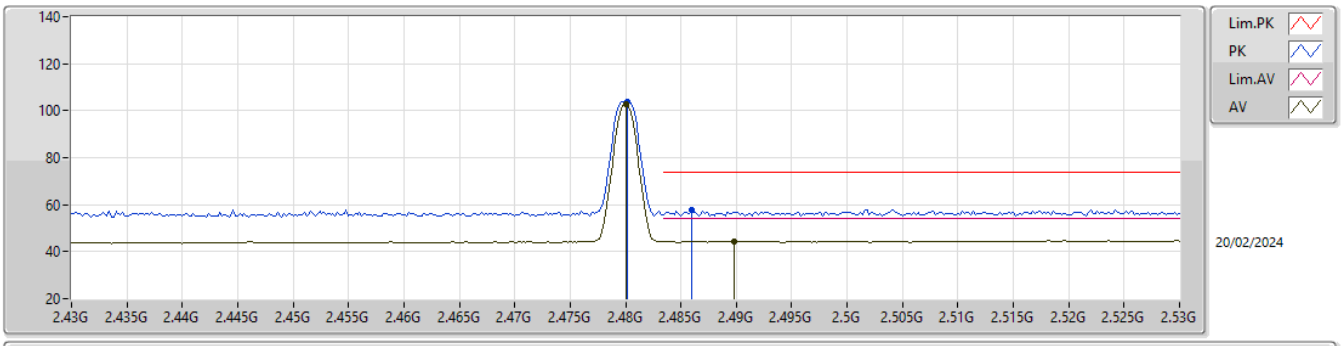
Result

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	2.3828G	43.75	54.00	-10.25	3	Vertical	249	1.19
2402MHz	Pass	AV	2.402G	103.38	Inf	-Inf	3	Vertical	249	1.19
2402MHz	Pass	PK	2.3624G	56.77	74.00	-17.23	3	Vertical	249	1.19
2402MHz	Pass	PK	2.4018G	104.34	Inf	-Inf	3	Vertical	249	1.19
2402MHz	Pass	AV	2.3618G	43.70	54.00	-10.30	3	Horizontal	186	1.06
2402MHz	Pass	AV	2.402G	92.02	Inf	-Inf	3	Horizontal	186	1.06
2402MHz	Pass	PK	2.3764G	57.54	74.00	-16.46	3	Horizontal	186	1.06
2402MHz	Pass	PK	2.4022G	93.05	Inf	-Inf	3	Horizontal	186	1.06
2402MHz	Pass	AV	4.80412G	31.44	54.00	-22.56	3	Vertical	177	1.59
2402MHz	Pass	PK	4.80436G	42.96	74.00	-31.04	3	Vertical	177	1.59
2402MHz	Pass	AV	4.80382G	32.27	54.00	-21.73	3	Horizontal	168	2.06
2402MHz	Pass	PK	4.80466G	43.70	74.00	-30.30	3	Horizontal	168	2.06
2440MHz	Pass	AV	2.3724G	43.67	54.00	-10.33	3	Vertical	248	1.25
2440MHz	Pass	AV	2.44G	103.39	Inf	-Inf	3	Vertical	248	1.25
2440MHz	Pass	AV	2.4976G	44.45	54.00	-9.55	3	Vertical	248	1.25
2440MHz	Pass	PK	2.3512G	56.96	74.00	-17.04	3	Vertical	248	1.25
2440MHz	Pass	PK	2.4396G	104.36	Inf	-Inf	3	Vertical	248	1.25
2440MHz	Pass	PK	2.4908G	57.29	74.00	-16.71	3	Vertical	248	1.25
2440MHz	Pass	AV	2.3636G	43.84	54.00	-10.16	3	Horizontal	185	1.03
2440MHz	Pass	AV	2.44G	90.65	Inf	-Inf	3	Horizontal	185	1.03
2440MHz	Pass	AV	2.4988G	44.45	54.00	-9.55	3	Horizontal	185	1.03
2440MHz	Pass	PK	2.3448G	56.62	74.00	-17.38	3	Horizontal	185	1.03
2440MHz	Pass	PK	2.4396G	91.69	Inf	-Inf	3	Horizontal	185	1.03
2440MHz	Pass	PK	2.4948G	57.81	74.00	-16.19	3	Horizontal	185	1.03
2440MHz	Pass	AV	4.88G	32.19	54.00	-21.81	3	Vertical	177	1.40
2440MHz	Pass	PK	4.87956G	44.10	74.00	-29.90	3	Vertical	177	1.40
2440MHz	Pass	AV	4.88004G	34.43	54.00	-19.57	3	Horizontal	168	2.66
2440MHz	Pass	PK	4.87976G	44.29	74.00	-29.71	3	Horizontal	168	2.66
2480MHz	Pass	AV	2.48G	102.95	Inf	-Inf	3	Vertical	247	1.03
2480MHz	Pass	AV	2.4898G	44.56	54.00	-9.44	3	Vertical	247	1.03
2480MHz	Pass	PK	2.4802G	103.90	Inf	-Inf	3	Vertical	247	1.03
2480MHz	Pass	PK	2.486G	57.79	74.00	-16.21	3	Vertical	247	1.03
2480MHz	Pass	AV	2.48G	91.41	Inf	-Inf	3	Horizontal	41	1.05
2480MHz	Pass	AV	2.4926G	44.56	54.00	-9.44	3	Horizontal	41	1.05
2480MHz	Pass	PK	2.4802G	92.46	Inf	-Inf	3	Horizontal	41	1.05
2480MHz	Pass	PK	2.4858G	57.33	74.00	-16.67	3	Horizontal	41	1.05
2480MHz	Pass	AV	4.9602G	32.42	54.00	-21.58	3	Vertical	176	1.39
2480MHz	Pass	PK	4.95956G	44.32	74.00	-29.68	3	Vertical	176	1.39
2480MHz	Pass	AV	4.96008G	32.98	54.00	-21.02	3	Horizontal	167	2.74
2480MHz	Pass	PK	4.95956G	44.63	74.00	-29.37	3	Horizontal	167	2.74
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2404MHz	Pass	AV	2.38G	43.71	54.00	-10.29	3	Vertical	248	1.17
2404MHz	Pass	AV	2.404G	101.56	Inf	-Inf	3	Vertical	248	1.17
2404MHz	Pass	PK	2.389G	57.26	74.00	-16.74	3	Vertical	248	1.17
2404MHz	Pass	PK	2.4036G	104.48	Inf	-Inf	3	Vertical	248	1.17
2404MHz	Pass	AV	2.3898G	43.78	54.00	-10.22	3	Horizontal	186	1.06
2404MHz	Pass	AV	2.404G	90.35	Inf	-Inf	3	Horizontal	186	1.06
2404MHz	Pass	PK	2.3664G	57.52	74.00	-16.48	3	Horizontal	186	1.06
2404MHz	Pass	PK	2.4034G	93.31	Inf	-Inf	3	Horizontal	186	1.06
2404MHz	Pass	AV	4.80909G	31.93	54.00	-22.07	3	Vertical	119	1.02
2404MHz	Pass	PK	4.80688G	44.15	74.00	-29.85	3	Vertical	119	1.02
2404MHz	Pass	AV	4.80899G	32.64	54.00	-21.36	3	Horizontal	168	2.89
2404MHz	Pass	PK	4.80687G	44.68	74.00	-29.32	3	Horizontal	168	2.89
2440MHz	Pass	AV	2.3808G	43.73	54.00	-10.27	3	Vertical	248	1.23
2440MHz	Pass	AV	2.44G	101.48	Inf	-Inf	3	Vertical	248	1.23
2440MHz	Pass	AV	2.492G	44.46	54.00	-9.54	3	Vertical	248	1.23
2440MHz	Pass	PK	2.3856G	57.08	74.00	-16.92	3	Vertical	248	1.23
2440MHz	Pass	PK	2.4396G	104.52	Inf	-Inf	3	Vertical	248	1.23
2440MHz	Pass	PK	2.4992G	57.86	74.00	-16.14	3	Vertical	248	1.23
2440MHz	Pass	AV	2.364G	43.72	54.00	-10.28	3	Horizontal	185	1.03

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2440MHz	Pass	AV	2.44G	88.92	Inf	-Inf	3	Horizontal	185	1.03
2440MHz	Pass	AV	2.4984G	44.47	54.00	-9.53	3	Horizontal	185	1.03
2440MHz	Pass	PK	2.3544G	56.88	74.00	-17.12	3	Horizontal	185	1.03
2440MHz	Pass	PK	2.4396G	91.92	Inf	-Inf	3	Horizontal	185	1.03
2440MHz	Pass	PK	2.4916G	57.27	74.00	-16.73	3	Horizontal	185	1.03
2440MHz	Pass	AV	4.88102G	31.51	54.00	-22.49	3	Vertical	177	1.66
2440MHz	Pass	PK	4.88068G	45.86	74.00	-28.14	3	Vertical	177	1.66
2440MHz	Pass	AV	4.881G	31.21	54.00	-22.79	3	Horizontal	165	1.49
2440MHz	Pass	PK	4.8806G	43.92	74.00	-30.08	3	Horizontal	165	1.49
2478MHz	Pass	AV	2.478G	100.90	Inf	-Inf	3	Vertical	247	1.17
2478MHz	Pass	AV	2.492G	44.54	54.00	-9.46	3	Vertical	247	1.17
2478MHz	Pass	PK	2.4786G	103.84	Inf	-Inf	3	Vertical	247	1.17
2478MHz	Pass	PK	2.4956G	57.56	74.00	-16.44	3	Vertical	247	1.17
2478MHz	Pass	AV	2.478G	89.31	Inf	-Inf	3	Horizontal	42	1.06
2478MHz	Pass	AV	2.4946G	44.47	54.00	-9.53	3	Horizontal	42	1.06
2478MHz	Pass	PK	2.4786G	92.27	Inf	-Inf	3	Horizontal	42	1.06
2478MHz	Pass	PK	2.4932G	57.69	74.00	-16.31	3	Horizontal	42	1.06
2478MHz	Pass	AV	4.95499G	31.25	54.00	-22.75	3	Vertical	177	1.50
2478MHz	Pass	PK	4.95709G	44.20	74.00	-29.80	3	Vertical	177	1.50
2478MHz	Pass	AV	4.95516G	31.03	54.00	-22.97	3	Horizontal	172	2.70
2478MHz	Pass	PK	4.95553G	43.46	74.00	-30.54	3	Horizontal	172	2.70

2.4-2.4835GHz_BT-LE(1Mbps)

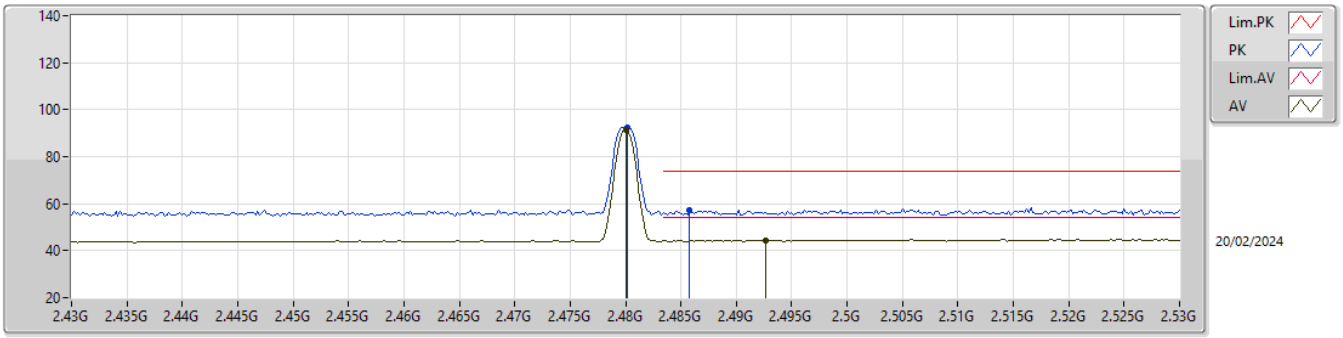
2480MHz_TX



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	102.95	Inf	-Inf	31.33	3	Vertical	247	1.03	71.62	27.90	3.43	-
AV	2.4898G	44.56	54.00	-9.44	31.44	3	Vertical	247	1.03	13.12	28.00	3.44	-
PK	2.4802G	103.90	Inf	-Inf	31.33	3	Vertical	247	1.03	72.57	27.90	3.43	-
PK	2.486G	57.79	74.00	-16.21	31.39	3	Vertical	247	1.03	26.40	27.96	3.43	-

2.4-2.4835GHz_BT-LE(1Mbps)

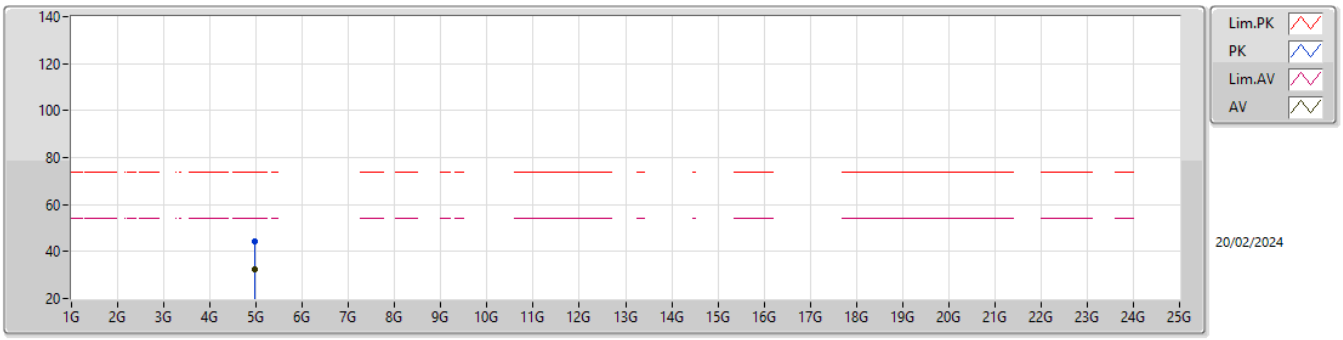
2480MHz_TX



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	91.41	Inf	-Inf	31.33	3	Horizontal	41	1.05	60.08	27.90	3.43	-
AV	2.4926G	44.56	54.00	-9.44	31.47	3	Horizontal	41	1.05	13.09	28.03	3.44	-
PK	2.4802G	92.46	Inf	-Inf	31.33	3	Horizontal	41	1.05	61.13	27.90	3.43	-
PK	2.4858G	57.33	74.00	-16.67	31.39	3	Horizontal	41	1.05	25.94	27.96	3.43	-

2.4-2.4835GHz_BT-LE(1Mbps)

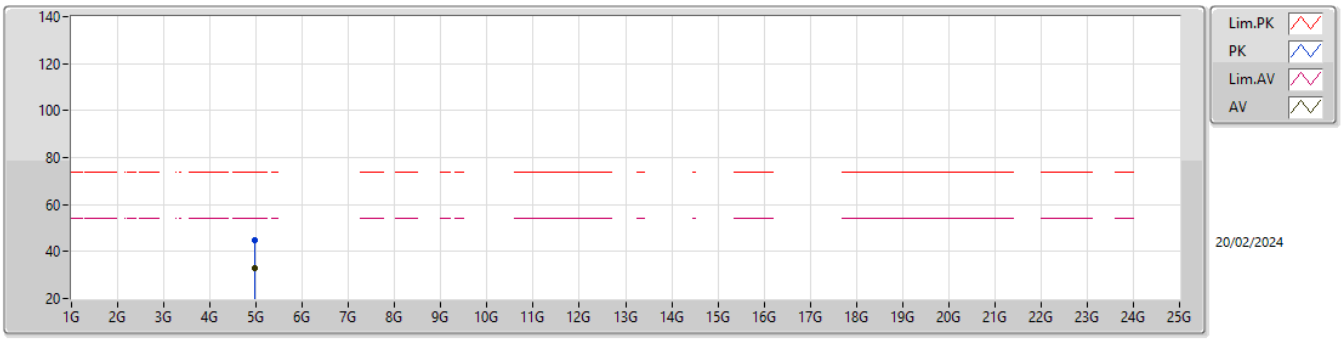
2480MHz_TX



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	4.9602G	32.42	54.00	-21.58	-5.68	3	Vertical	176	1.39	38.10	33.30	5.07	44.05
PK	4.95956G	44.32	74.00	-29.68	-5.68	3	Vertical	176	1.39	50.00	33.30	5.07	44.05

2.4-2.4835GHz_BT-LE(1Mbps)

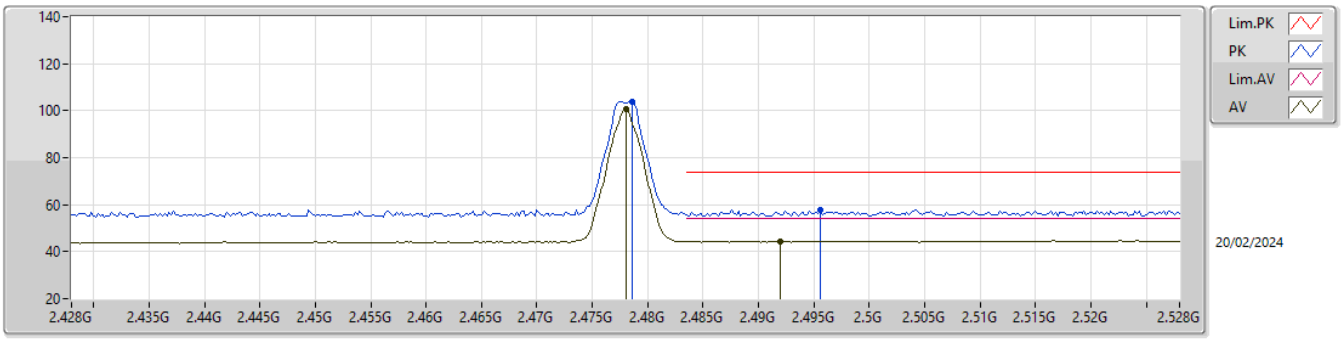
2480MHz_TX



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	4.96008G	32.98	54.00	-21.02	-5.68	3	Horizontal	167	2.74	38.66	33.30	5.07	44.05
PK	4.95956G	44.63	74.00	-29.37	-5.68	3	Horizontal	167	2.74	50.31	33.30	5.07	44.05

2.4-2.4835GHz_BT-LE(2Mbps)

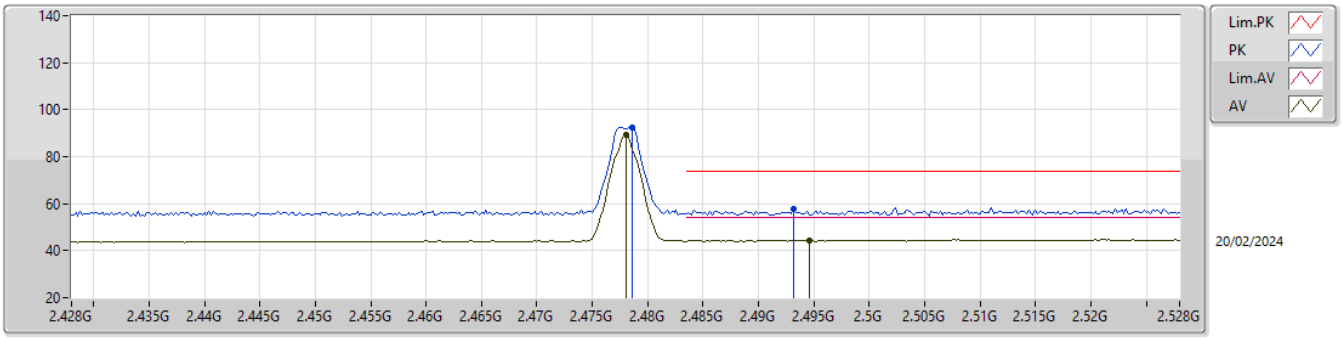
2478MHz_TX



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	2.478G	100.90	Inf	-Inf	31.31	3	Vertical	247	1.17	69.59	27.88	3.43	-
AV	2.492G	44.54	54.00	-9.46	31.46	3	Vertical	247	1.17	13.08	28.02	3.44	-
PK	2.4786G	103.84	Inf	-Inf	31.32	3	Vertical	247	1.17	72.52	27.89	3.43	-
PK	2.4956G	57.56	74.00	-16.44	31.50	3	Vertical	247	1.17	26.06	28.06	3.44	-

2.4-2.4835GHz_BT-LE(2Mbps)

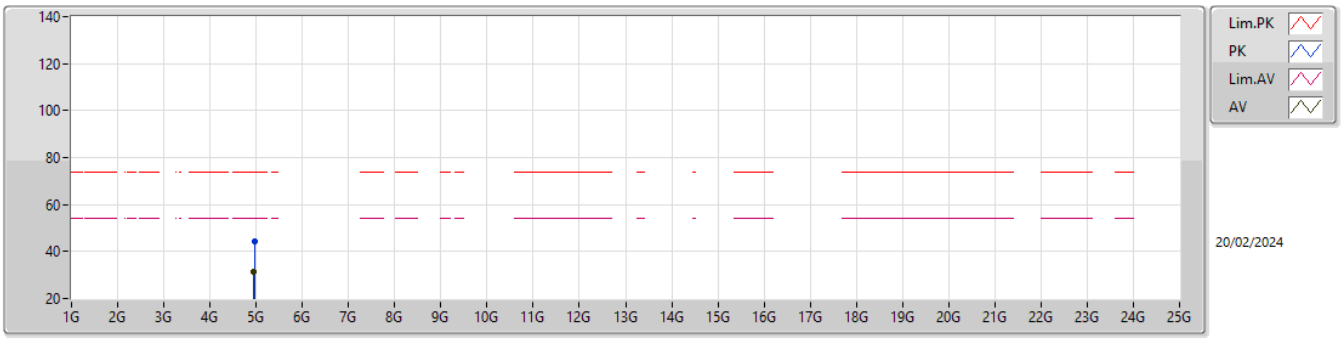
2478MHz_TX



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	2.478G	89.31	Inf	-Inf	31.31	3	Horizontal	42	1.06	58.00	27.88	3.43	-
AV	2.4946G	44.47	54.00	-9.53	31.49	3	Horizontal	42	1.06	12.98	28.05	3.44	-
PK	2.4786G	92.27	Inf	-Inf	31.32	3	Horizontal	42	1.06	60.95	27.89	3.43	-
PK	2.4932G	57.69	74.00	-16.31	31.47	3	Horizontal	42	1.06	26.22	28.03	3.44	-

2.4-2.4835GHz_BT-LE(2Mbps)

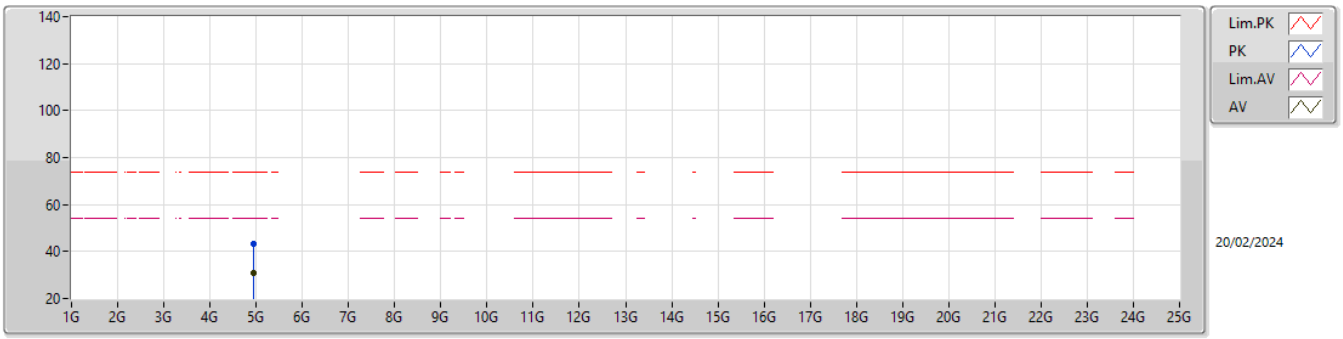
2478MHz_TX



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	4.95499G	31.25	54.00	-22.75	-5.73	3	Vertical	177	1.50	36.98	33.25	5.07	44.05
PK	4.95709G	44.20	74.00	-29.80	-5.71	3	Vertical	177	1.50	49.91	33.27	5.07	44.05

2.4-2.4835GHz_BT-LE(2Mbps)

2478MHz_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	4.95516G	31.03	54.00	-22.97	-5.73	3	Horizontal	172	2.70	36.76	33.25	5.07	44.05
PK	4.95553G	43.46	74.00	-30.54	-5.72	3	Horizontal	172	2.70	49.18	33.26	5.07	44.05

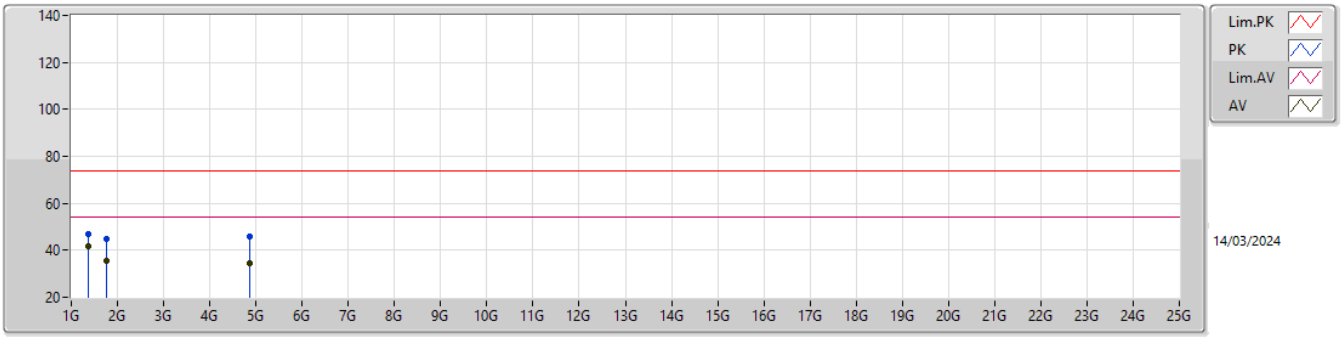
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.36G	41.48	54.00	-12.52	Vertical
Mode 2	Pass	AV	1.35999G	42.46	54.00	-11.54	Vertical

Result

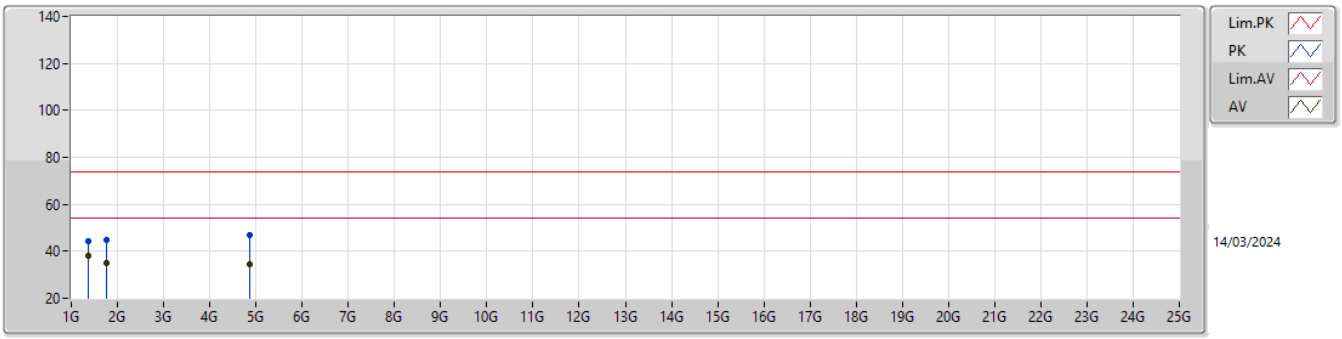
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	1.36G	41.48	54.00	-12.52	3	Vertical	85	2.07
Mode 1	Pass	AV	1.76G	35.63	54.00	-18.37	3	Vertical	357	1.81
Mode 1	Pass	AV	4.86725G	34.60	54.00	-19.40	3	Vertical	136	2.88
Mode 1	Pass	PK	1.35995G	46.96	74.00	-27.04	3	Vertical	85	2.07
Mode 1	Pass	PK	1.75998G	45.04	74.00	-28.96	3	Vertical	357	1.81
Mode 1	Pass	PK	4.86629G	46.04	74.00	-27.96	3	Vertical	136	2.88
Mode 1	Pass	AV	1.35998G	38.22	54.00	-15.78	3	Horizontal	46	1.59
Mode 1	Pass	AV	1.76G	35.21	54.00	-18.79	3	Horizontal	244	1.47
Mode 1	Pass	AV	4.86677G	34.68	54.00	-19.32	3	Horizontal	125	1.42
Mode 1	Pass	PK	1.36013G	44.09	74.00	-29.91	3	Horizontal	46	1.59
Mode 1	Pass	PK	1.76016G	44.67	74.00	-29.33	3	Horizontal	244	1.47
Mode 1	Pass	PK	4.87076G	46.96	74.00	-27.04	3	Horizontal	125	1.42
Mode 2	Pass	AV	1.35999G	42.46	54.00	-11.54	3	Vertical	69	1.84
Mode 2	Pass	AV	1.59999G	36.17	54.00	-17.83	3	Vertical	328	1.00
Mode 2	Pass	AV	10.40445G	43.30	68.20	-24.90	3	Vertical	346	2.28
Mode 2	Pass	PK	1.36002G	47.10	74.00	-26.90	3	Vertical	69	1.84
Mode 2	Pass	PK	1.6001G	46.61	74.00	-27.39	3	Vertical	328	1.00
Mode 2	Pass	PK	10.39553G	55.84	68.20	-12.36	3	Vertical	346	2.28
Mode 2	Pass	AV	1.35999G	38.57	54.00	-15.43	3	Horizontal	49	1.16
Mode 2	Pass	AV	1.59996G	37.40	54.00	-16.60	3	Horizontal	58	1.24
Mode 2	Pass	AV	10.40467G	43.15	68.20	-25.05	3	Horizontal	303	1.74
Mode 2	Pass	PK	1.35999G	45.25	74.00	-28.75	3	Horizontal	49	1.16
Mode 2	Pass	PK	1.60001G	46.74	74.00	-27.26	3	Horizontal	58	1.24
Mode 2	Pass	PK	10.40258G	56.06	68.20	-12.14	3	Horizontal	303	1.74

Radiated Emissions above 1GHz_Mode 1



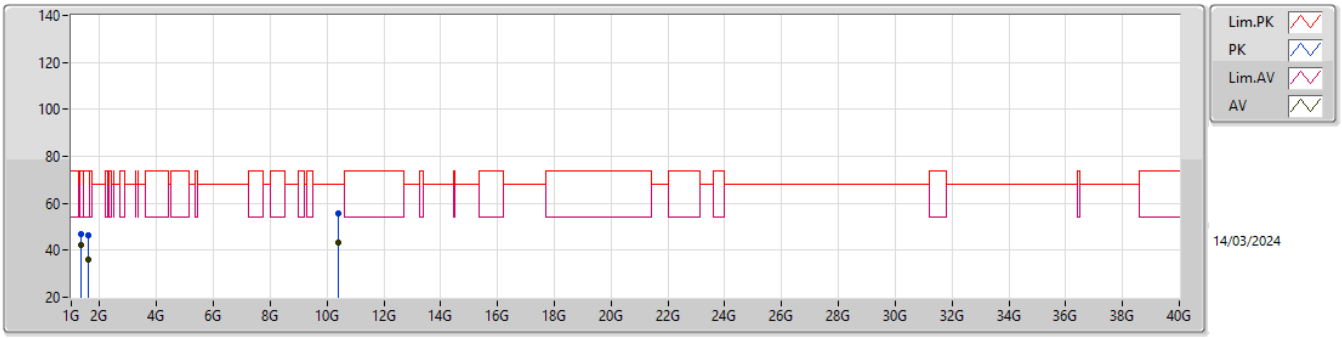
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.36G	41.48	54.00	-12.52	-4.30	3	Vertical	85	2.07	45.78	25.60	3.93	33.83
AV	1.76G	35.63	54.00	-18.37	-4.39	3	Vertical	357	1.81	40.02	24.80	4.45	33.64
AV	4.86725G	34.60	54.00	-19.40	6.36	3	Vertical	136	2.88	28.24	32.40	7.97	34.01
PK	1.35995G	46.96	74.00	-27.04	-4.30	3	Vertical	85	2.07	51.26	25.60	3.93	33.83
PK	1.75998G	45.04	74.00	-28.96	-4.39	3	Vertical	357	1.81	49.43	24.80	4.45	33.64
PK	4.86629G	46.04	74.00	-27.96	6.36	3	Vertical	136	2.88	39.68	32.40	7.97	34.01

Radiated Emissions above 1GHz_Mode 1



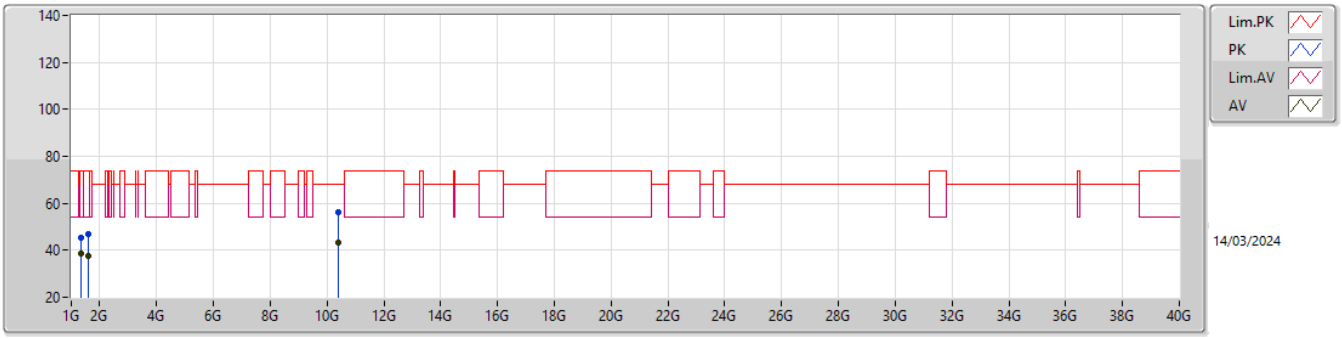
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.35998G	38.22	54.00	-15.78	-4.30	3	Horizontal	46	1.59	42.52	25.60	3.93	33.83
AV	1.76G	35.21	54.00	-18.79	-4.39	3	Horizontal	244	1.47	39.60	24.80	4.45	33.64
AV	4.86677G	34.68	54.00	-19.32	6.36	3	Horizontal	125	1.42	28.32	32.40	7.97	34.01
PK	1.36013G	44.09	74.00	-29.91	-4.30	3	Horizontal	46	1.59	48.39	25.60	3.93	33.83
PK	1.76016G	44.67	74.00	-29.33	-4.39	3	Horizontal	244	1.47	49.06	24.80	4.45	33.64
PK	4.87076G	46.96	74.00	-27.04	6.38	3	Horizontal	125	1.42	40.58	32.42	7.97	34.01

Radiated Emissions above 1GHz_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.35999G	42.46	54.00	-11.54	-4.30	3	Vertical	69	1.84	46.76	25.60	3.93	33.83
AV	1.59999G	36.17	54.00	-17.83	-4.12	3	Vertical	328	1.00	40.29	25.30	4.21	33.63
AV	10.40445G	43.30	68.20	-24.90	15.37	3	Vertical	346	2.28	27.93	38.49	11.33	34.45
PK	1.36002G	47.10	74.00	-26.90	-4.30	3	Vertical	69	1.84	51.40	25.60	3.93	33.83
PK	1.6001G	46.61	74.00	-27.39	-4.12	3	Vertical	328	1.00	50.73	25.30	4.21	33.63
PK	10.39553G	55.84	68.20	-12.36	15.37	3	Vertical	346	2.28	40.47	38.49	11.33	34.45

Radiated Emissions above 1GHz_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.35999G	38.57	54.00	-15.43	-4.30	3	Horizontal	49	1.16	42.87	25.60	3.93	33.83
AV	1.59996G	37.40	54.00	-16.60	-4.12	3	Horizontal	58	1.24	41.52	25.30	4.21	33.63
AV	10.40467G	43.15	68.20	-25.05	15.37	3	Horizontal	303	1.74	27.78	38.49	11.33	34.45
PK	1.35999G	45.25	74.00	-28.75	-4.30	3	Horizontal	49	1.16	49.55	25.60	3.93	33.83
PK	1.60001G	46.74	74.00	-27.26	-4.12	3	Horizontal	58	1.24	50.86	25.30	4.21	33.63
PK	10.40258G	56.06	68.20	-12.14	15.37	3	Horizontal	303	1.74	40.69	38.49	11.33	34.45

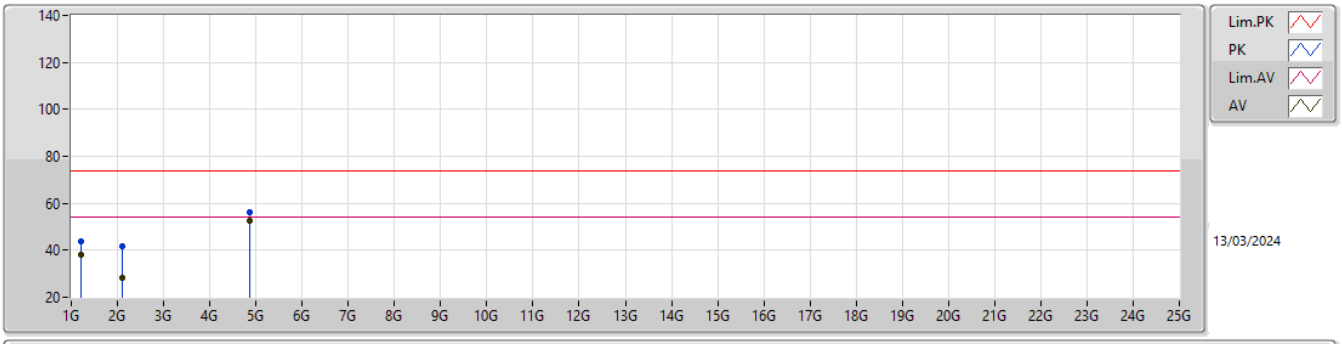
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.87395G	52.62	54.00	-1.38	Vertical
Mode 2	Pass	PK	10.40439G	56.28	68.20	-11.92	Horizontal

Result

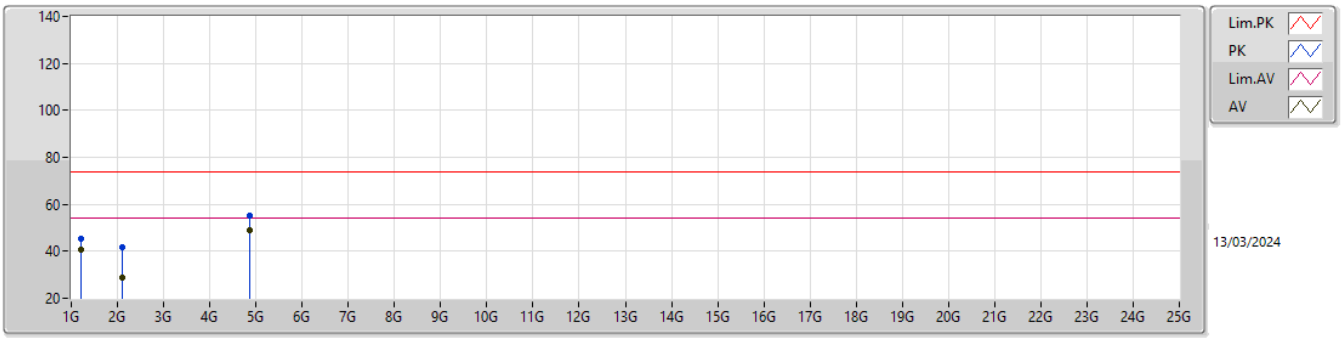
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	1.2G	38.24	54.00	-15.76	3	Vertical	256	2.97
Mode 1	Pass	AV	2.1085G	28.53	54.00	-25.47	3	Vertical	311	2.31
Mode 1	Pass	AV	4.87395G	52.62	54.00	-1.38	3	Vertical	251	1.02
Mode 1	Pass	PK	1.20002G	43.55	74.00	-30.45	3	Vertical	256	2.97
Mode 1	Pass	PK	2.10908G	41.68	74.00	-32.32	3	Vertical	311	2.31
Mode 1	Pass	PK	4.87413G	56.09	74.00	-17.91	3	Vertical	251	1.02
Mode 1	Pass	AV	1.20001G	40.78	54.00	-13.22	3	Horizontal	232	1.03
Mode 1	Pass	AV	2.10808G	28.58	54.00	-25.42	3	Horizontal	157	1.88
Mode 1	Pass	AV	4.87373G	49.05	54.00	-4.95	3	Horizontal	224	1.18
Mode 1	Pass	PK	1.20013G	45.46	74.00	-28.54	3	Horizontal	232	1.03
Mode 1	Pass	PK	2.1082G	41.64	74.00	-32.36	3	Horizontal	157	1.88
Mode 1	Pass	PK	4.87407G	54.93	74.00	-19.07	3	Horizontal	224	1.18
Mode 2	Pass	AV	1.20004G	36.57	54.00	-17.43	3	Vertical	258	2.97
Mode 2	Pass	AV	4.04196G	32.05	54.00	-21.95	3	Vertical	306	1.97
Mode 2	Pass	AV	10.40377G	42.98	68.20	-25.22	3	Vertical	141	2.00
Mode 2	Pass	PK	1.20005G	42.93	74.00	-31.07	3	Vertical	258	2.97
Mode 2	Pass	PK	4.04116G	44.62	74.00	-29.38	3	Vertical	306	1.97
Mode 2	Pass	PK	10.39715G	55.33	68.20	-12.87	3	Vertical	141	2.00
Mode 2	Pass	AV	1.20001G	38.88	54.00	-15.12	3	Horizontal	231	1.06
Mode 2	Pass	AV	3.89988G	32.59	54.00	-21.41	3	Horizontal	169	1.70
Mode 2	Pass	AV	10.40439G	42.90	68.20	-25.30	3	Horizontal	172	1.10
Mode 2	Pass	PK	1.20005G	44.79	74.00	-29.21	3	Horizontal	231	1.06
Mode 2	Pass	PK	3.90271G	45.13	74.00	-28.87	3	Horizontal	169	1.70
Mode 2	Pass	PK	10.40439G	56.28	68.20	-11.92	3	Horizontal	172	1.10

Radiated Emissions above 1GHz_Mode 1



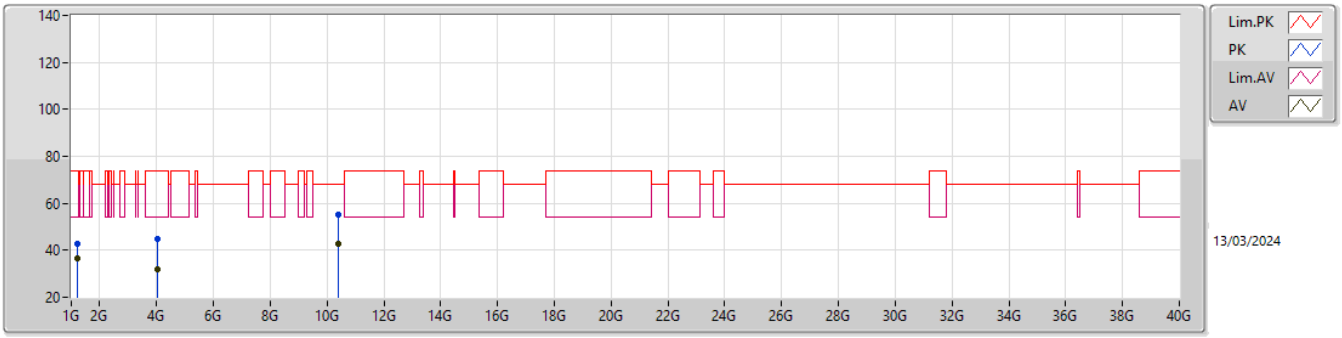
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.2G	38.24	54.00	-15.76	-4.45	3	Vertical	256	2.97	42.69	25.90	3.71	34.06
AV	2.1085G	28.53	54.00	-25.47	-1.27	3	Vertical	311	2.31	29.80	27.33	5.05	33.65
AV	4.87395G	52.62	54.00	-1.38	6.40	3	Vertical	251	1.02	46.22	32.44	7.97	34.01
PK	1.20002G	43.55	74.00	-30.45	-4.45	3	Vertical	256	2.97	48.00	25.90	3.71	34.06
PK	2.10908G	41.68	74.00	-32.32	-1.28	3	Vertical	311	2.31	42.96	27.32	5.05	33.65
PK	4.87413G	56.09	74.00	-17.91	6.40	3	Vertical	251	1.02	49.69	32.44	7.97	34.01

Radiated Emissions above 1GHz_Mode 1



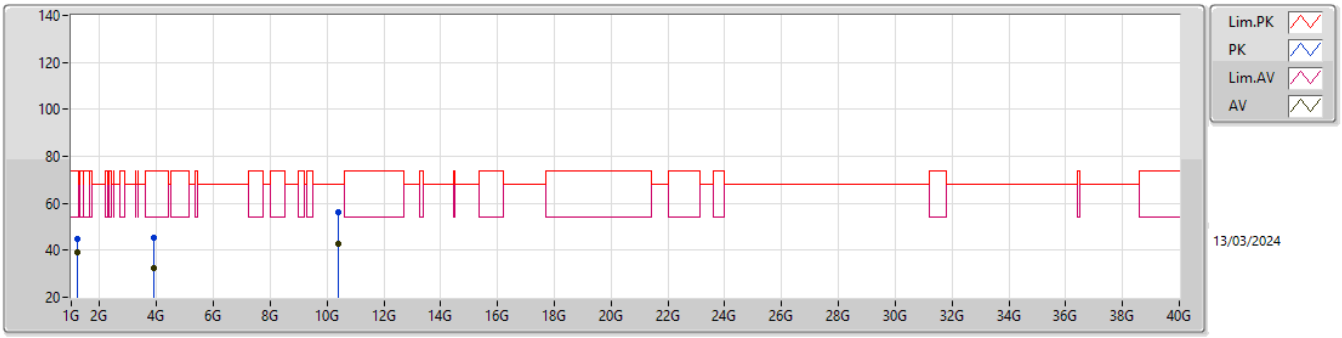
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.20001G	40.78	54.00	-13.22	-4.45	3	Horizontal	232	1.03	45.23	25.90	3.71	34.06
AV	2.10808G	28.58	54.00	-25.42	-1.26	3	Horizontal	157	1.88	29.84	27.34	5.05	33.65
AV	4.87373G	49.05	54.00	-4.95	6.40	3	Horizontal	224	1.18	42.65	32.44	7.97	34.01
PK	1.20013G	45.46	74.00	-28.54	-4.45	3	Horizontal	232	1.03	49.91	25.90	3.71	34.06
PK	2.1082G	41.64	74.00	-32.36	-1.26	3	Horizontal	157	1.88	42.90	27.34	5.05	33.65
PK	4.87407G	54.93	74.00	-19.07	6.40	3	Horizontal	224	1.18	48.53	32.44	7.97	34.01

Radiated Emissions above 1GHz_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.20004G	36.57	54.00	-17.43	-4.45	3	Vertical	258	2.97	41.02	25.90	3.71	34.06
AV	4.04196G	32.05	54.00	-21.95	3.87	3	Vertical	306	1.97	28.18	30.60	7.27	34.00
AV	10.40377G	42.98	68.20	-25.22	15.37	3	Vertical	141	2.00	27.61	38.49	11.33	34.45
PK	1.20005G	42.93	74.00	-31.07	-4.45	3	Vertical	258	2.97	47.38	25.90	3.71	34.06
PK	4.04116G	44.62	74.00	-29.38	3.87	3	Vertical	306	1.97	40.75	30.60	7.27	34.00
PK	10.39715G	55.33	68.20	-12.87	15.37	3	Vertical	141	2.00	39.96	38.49	11.33	34.45

Radiated Emissions above 1GHz_Mode 2



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)	(dBuV/m)	(dB/m)	(dB)	(dB)
AV	1.20001G	38.88	54.00	-15.12	-4.45	3	Horizontal	231	1.06	43.33	25.90	3.71	34.06
AV	3.89988G	32.59	54.00	-21.41	3.86	3	Horizontal	169	1.70	28.73	30.80	7.08	34.02
AV	10.40439G	42.90	68.20	-25.30	15.37	3	Horizontal	172	1.10	27.53	38.49	11.33	34.45
PK	1.20005G	44.79	74.00	-29.21	-4.45	3	Horizontal	231	1.06	49.24	25.90	3.71	34.06
PK	3.90271G	45.13	74.00	-28.87	3.86	3	Horizontal	169	1.70	41.27	30.79	7.09	34.02
PK	10.40439G	56.28	68.20	-11.92	15.37	3	Horizontal	172	1.10	40.91	38.49	11.33	34.45