

FCC Radio Test Report

FCC ID : HBW-D49TXXB
Equipment : myQ Video Doorbell
Brand Name : myQ
Model Name : MYQ-D49TXXB
Applicant : The Chamberlain Group LLC
300 Windsor Drive Oak Brook, IL 60523 USA
Manufacturer : The Chamberlain Group, LLC
300 Windsor Drive Oak Brook, IL 60523 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Mar. 17, 2025, and testing was started from Mar. 27, 2025 and completed on Apr. 03, 2025. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



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History of this test report

[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: Ben Tseng

Report Producer: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch	Nant
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 (1Mbps/2Mbps) modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	Primax	RFMTA250900NNAB001	Metal	N/A	2.4G
2	Primax	RFFPA301914IMAB301	FPC	I-Pex	BT

Ant.	Port	Gain (dBi)	
		2.4G	Bluetooth
1	1	1.37	-
2	1	-	1.96

Note 1: The EUT has two antennas.

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. 2 (port 1) could transmit/receive.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC 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)	0.855	0.68	2.137m	500
BT-LE(2Mbps)	0.576	2.4	1.081m	1k

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

1.2 Testing Applied Standards

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

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

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

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Lego Lin	21.3~23.1℃ / 53~57%	03/Apr/2025
☒ Wenhua 3rd. (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
RF Conducted	TH06-HY	Johnny Yu	23.4~23.9℃ / 52~55%	28/Mar/2025
Radiated	03CH25-HY	Rian Chung	19.6~22.3℃ / 51~53%	27/Mar/2025~29/Mar/2025

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	STM32CubeMonitor-RF Version 2.17.0
-----------------------	------------------------------------

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	29
2440MHz	29
2480MHz	29
BT-LE(2Mbps)	-
2402MHz	29
2440MHz	29
2480MHz	29

2.2 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	Adapter mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V

2.3 Accessories

Accessories				
USB-A to USB-C Charging Cable	Brand Name	NA	Model Name	NA
	Power Cord	0.5meter, non-shielded cable, w/o ferrite core		
Battery	Brand Name	KAYO	Model Name	INR18650-33V A-1S2P
	Power Rating	3.6Vdc, 6200mAh	Type	Li-ion

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

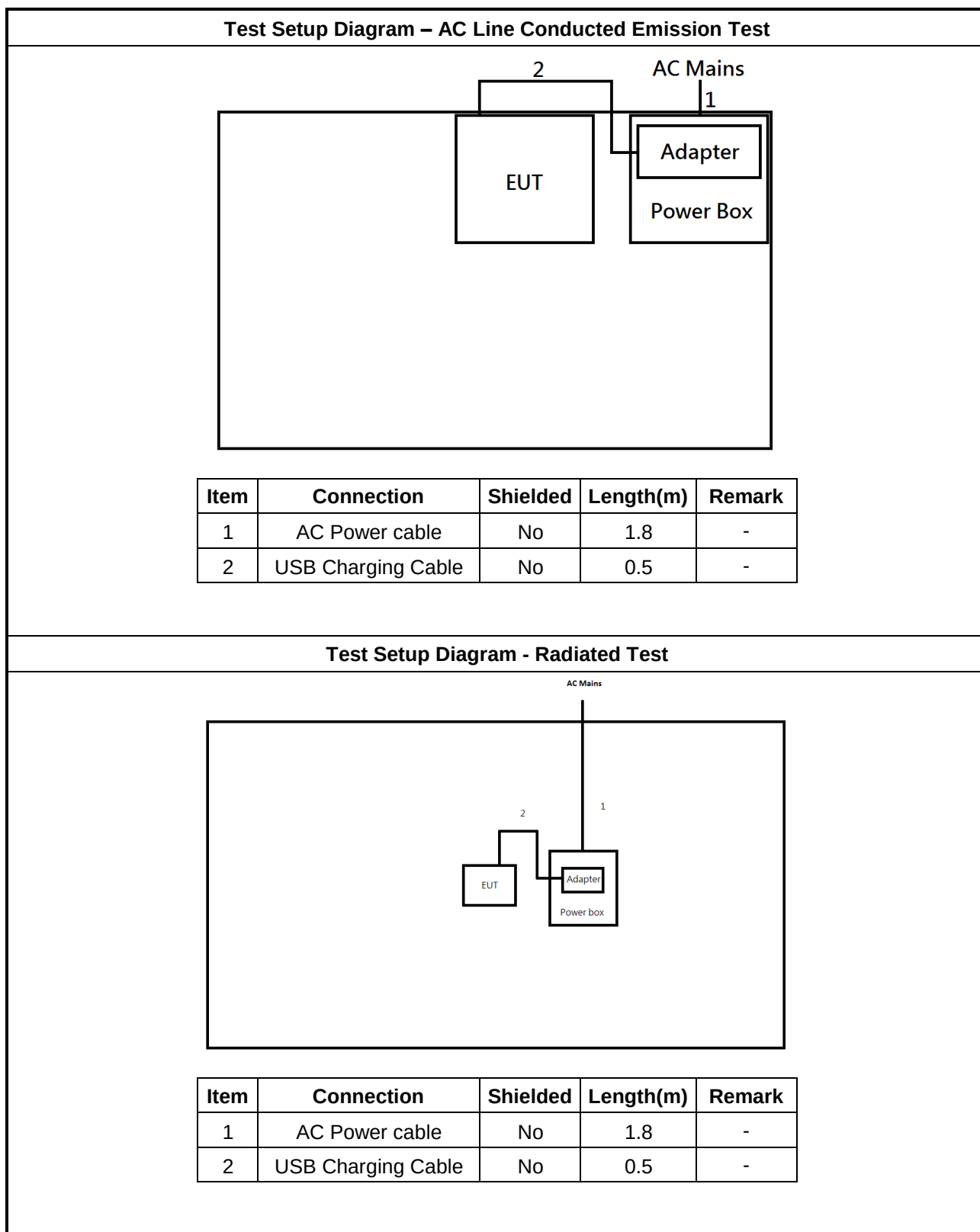
2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	Apple	A1385	-	-

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

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Adapter	Apple	A1385	-	-

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

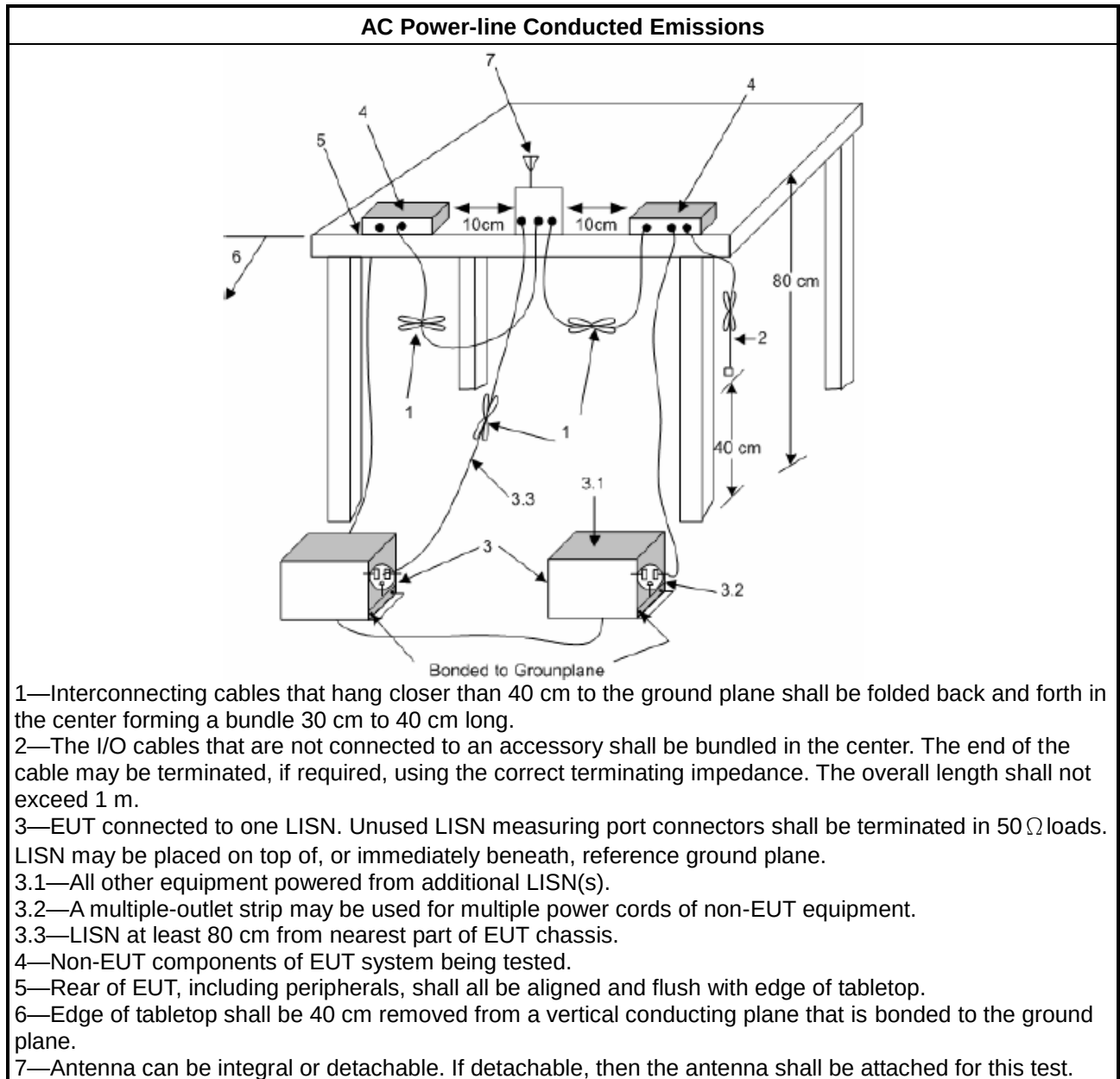
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.

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.

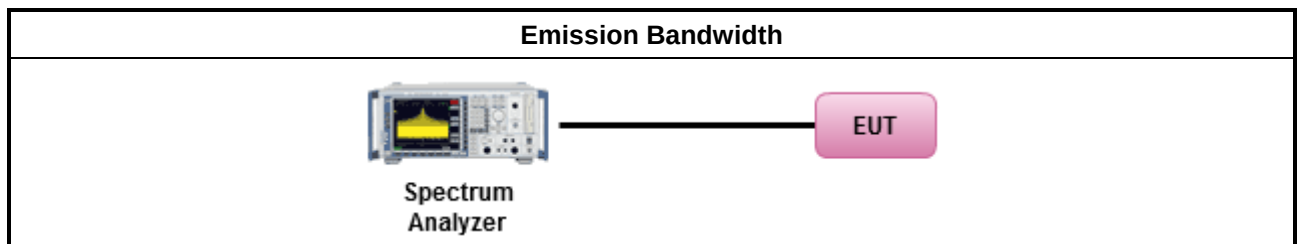
3.2.2 Measuring Instruments

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.	

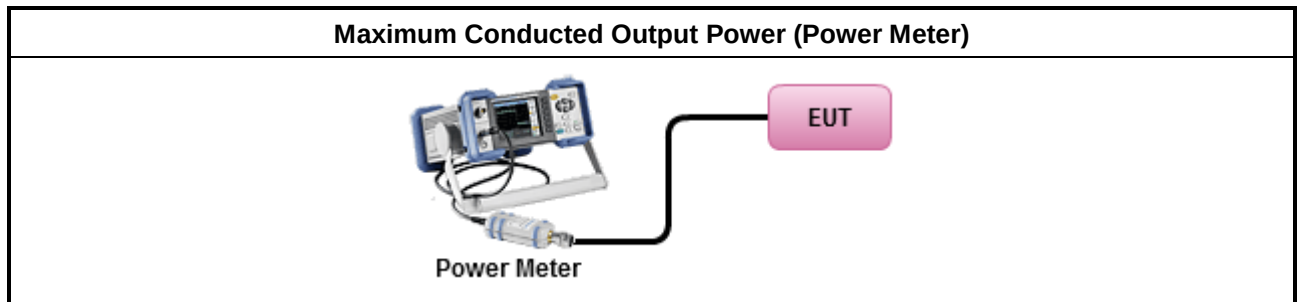
3.3.2 Measuring Instruments

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

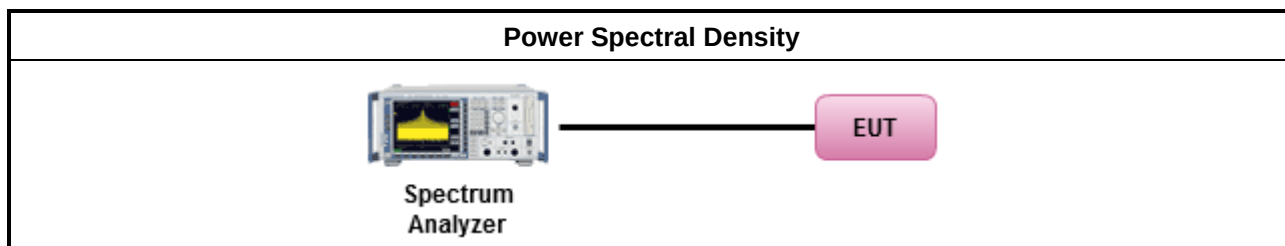
3.4.2 Measuring Instruments

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.	

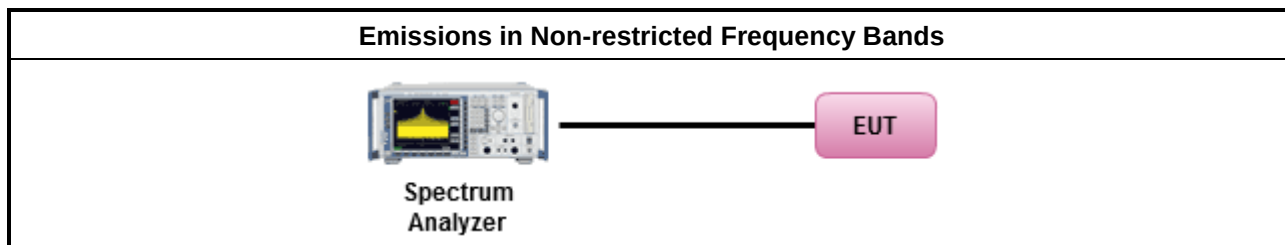
3.5.2 Measuring Instruments

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

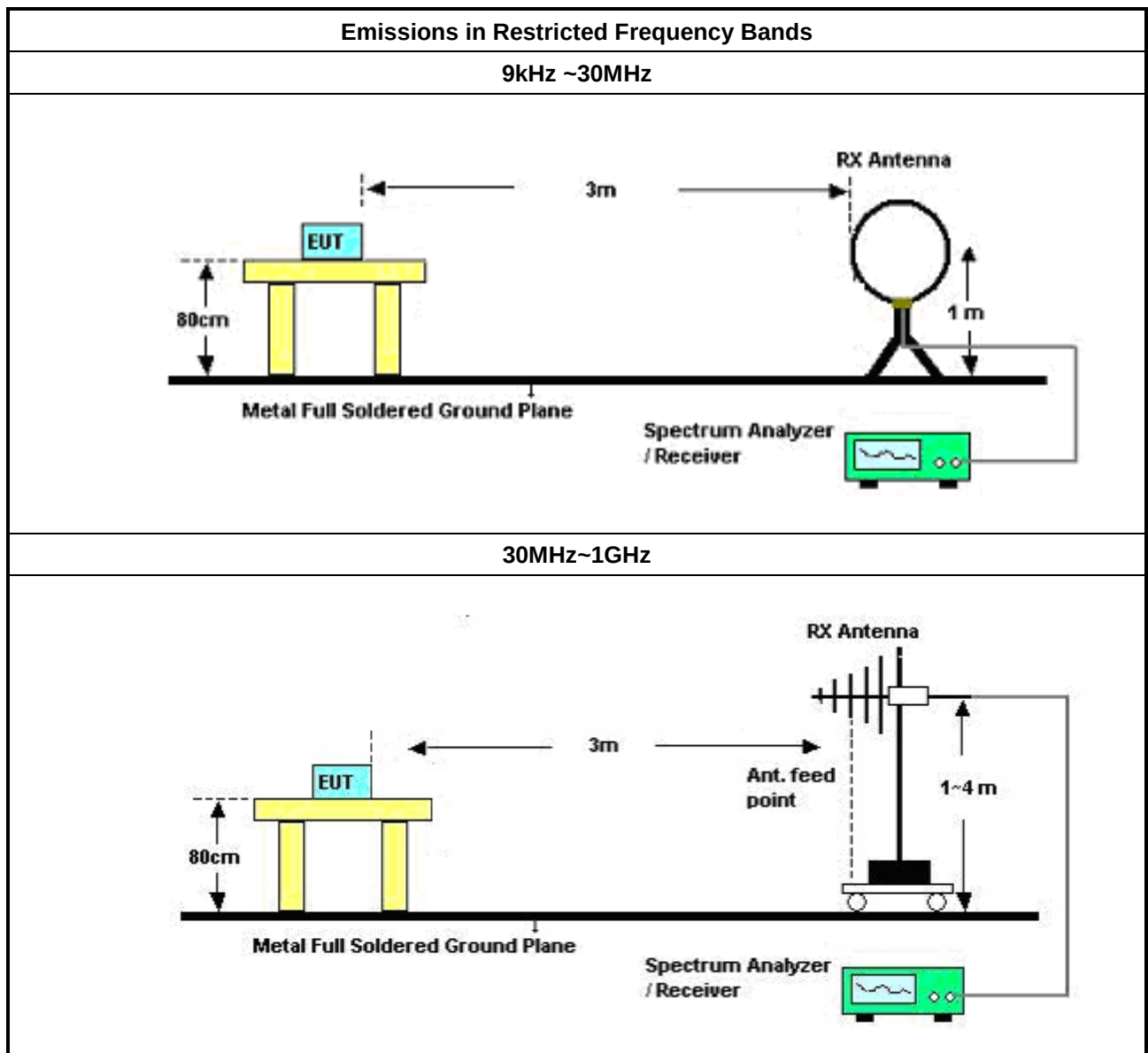
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

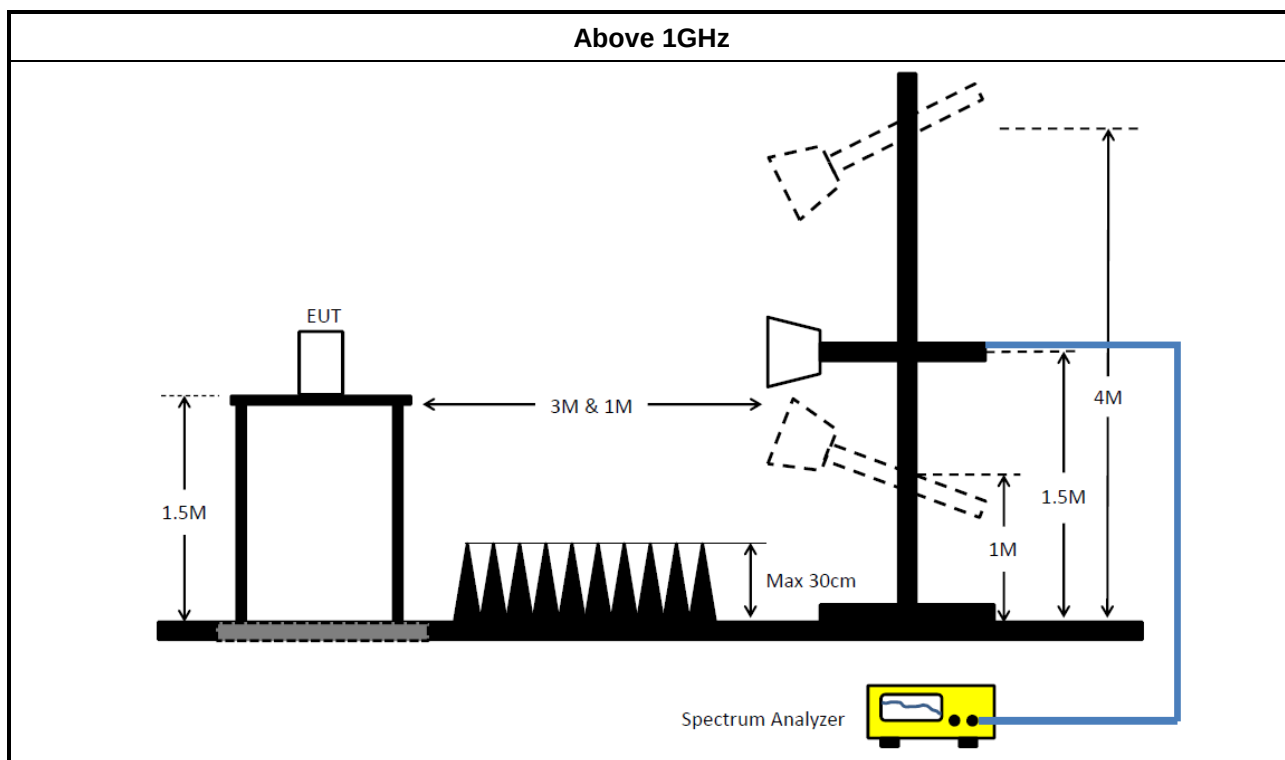
3.6.4 Measurement Results Calculation

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	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	17/May/2024	16/May/2025
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	101578	9kHz ~ 30MHz	11/Oct/2024	10/Oct/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	26/Feb/2025	25/Feb/2026
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	17/Oct/2024	16/Oct/2025
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	101029	10Hz~40GHz	28/Oct/2024	27/Oct/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	01/Apr/2024	31/Mar/2025
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	02/Apr/2024	01/Apr/2025
SENSE-15247_FS	Sporton	V5.11.23	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	03CH25-HY	30MHz~1GHz 3m	20/Jul/2024	19/Jul/2025
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH25-HY	1GHz~18GHz 3m	08/Aug/2024	07/Aug/2025
ESR7 EMI Test Receiver	ROHDE & SCHWARZ	ESR7	102956	9kHz~3.6GHz	27/Aug/2024	26/Aug/2025
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101410	10Hz~44GHz	18/Nov/2024	17/Nov/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	20/Mar/2025	19/Mar/2026
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63537/001	30MHz~1GHz	30/May/2024	29/May/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02876	1GHz~18GHz	11/Jul/2024	10/Jul/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	9kHz~1GHz	24/Apr/2024	23/Apr/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB007	1GHz~40GHz	15/Feb/2025	14/Feb/2026
Preamplifier	SGH	PRAMP 903	20230515-1	25MHz~3GHz	24/May/2024	23/May/2025
Preamplifier	SGH	PRAMP 118-H	20230515-3	1GHz~18GHz	24/May/2024	23/May/2025
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	15/Apr/2024	14/Apr/2025
SENSE-15247-FS	Sporton	V5.11.20	NA	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

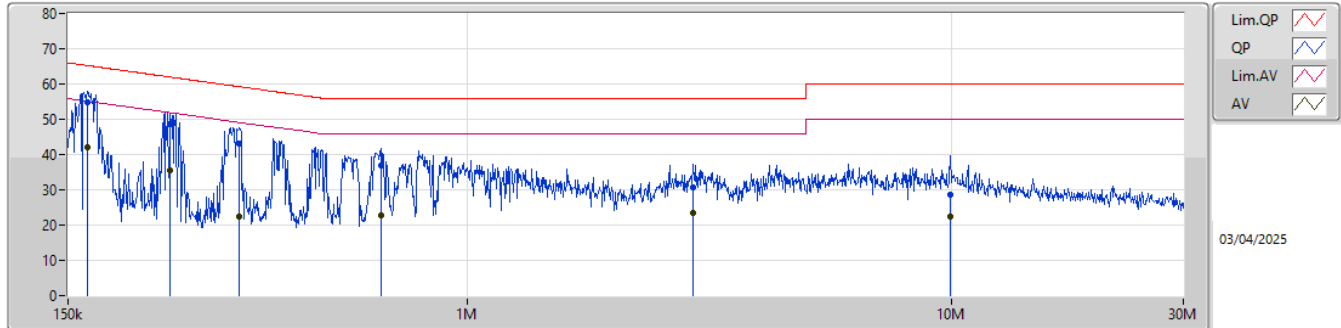
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	164.425k	54.77	65.24	-10.47	Line

Result

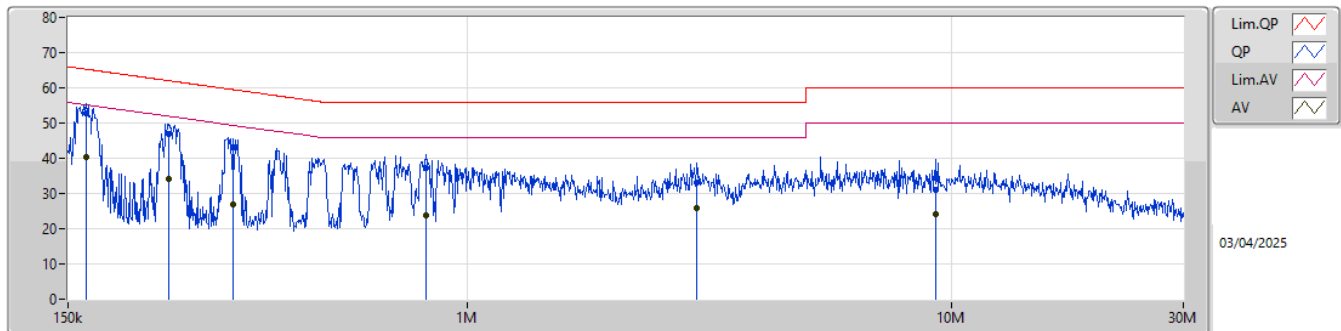
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	164.425k	54.77	65.24	-10.47	Line
Mode 1	Pass	AV	164.425k	42.20	55.24	-13.04	Line
Mode 1	Pass	QP	244.12k	48.77	61.95	-13.18	Line
Mode 1	Pass	AV	244.12k	35.39	51.95	-16.56	Line
Mode 1	Pass	QP	337.314k	43.08	59.27	-16.19	Line
Mode 1	Pass	AV	337.314k	22.55	49.27	-26.72	Line
Mode 1	Pass	QP	662.266k	36.87	56.00	-19.13	Line
Mode 1	Pass	AV	662.266k	22.70	46.00	-23.30	Line
Mode 1	Pass	QP	2.924M	30.78	56.00	-25.22	Line
Mode 1	Pass	AV	2.924M	23.52	46.00	-22.48	Line
Mode 1	Pass	QP	9.919M	28.71	60.00	-31.29	Line
Mode 1	Pass	AV	9.919M	22.55	50.00	-27.45	Line
Mode 1	Pass	QP	163.117k	52.71	65.31	-12.60	Neutral
Mode 1	Pass	AV	163.117k	40.51	55.31	-14.80	Neutral
Mode 1	Pass	QP	242.179k	47.04	62.02	-14.98	Neutral
Mode 1	Pass	AV	242.179k	33.97	52.02	-18.05	Neutral
Mode 1	Pass	QP	329.331k	43.07	59.46	-16.39	Neutral
Mode 1	Pass	AV	329.331k	26.84	49.46	-22.62	Neutral
Mode 1	Pass	QP	821.586k	37.19	56.00	-18.81	Neutral
Mode 1	Pass	AV	821.586k	23.65	46.00	-22.35	Neutral
Mode 1	Pass	QP	2.971M	33.09	56.00	-22.91	Neutral
Mode 1	Pass	AV	2.971M	25.75	46.00	-20.25	Neutral
Mode 1	Pass	QP	9.232M	31.00	60.00	-29.00	Neutral
Mode 1	Pass	AV	9.232M	24.27	50.00	-25.73	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	164.425k	54.77	65.24	-10.47	20.18	Line	-	34.59	10.20	0.01	9.97						
AV	164.425k	42.20	55.24	-13.04	20.18	Line	-	22.02	10.20	0.01	9.97						
QP	244.12k	48.77	61.95	-13.18	19.67	Line	-	29.10	9.68	0.02	9.97						
AV	244.12k	35.39	51.95	-16.56	19.67	Line	-	15.72	9.68	0.02	9.97						
QP	337.314k	43.08	59.27	-16.19	19.93	Line	-	23.15	9.92	0.03	9.98						
AV	337.314k	22.55	49.27	-26.72	19.93	Line	-	2.62	9.92	0.03	9.98						
QP	662.266k	36.87	56.00	-19.13	19.99	Line	-	16.88	9.97	0.04	9.98						
AV	662.266k	22.70	46.00	-23.30	19.99	Line	-	2.71	9.97	0.04	9.98						
QP	2.924M	30.78	56.00	-25.22	19.71	Line	-	11.07	9.69	0.04	9.98						
AV	2.924M	23.52	46.00	-22.48	19.71	Line	-	3.81	9.69	0.04	9.98						
QP	9.919M	28.71	60.00	-31.29	19.91	Line	-	8.80	9.69	0.24	9.98						
AV	9.919M	22.55	50.00	-27.45	19.91	Line	-	2.64	9.69	0.24	9.98						

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	163.117k	52.71	65.31	-12.60	20.15	Neutral	-	32.56	10.17	0.01	9.97						
AV	163.117k	40.51	55.31	-14.80	20.15	Neutral	-	20.36	10.17	0.01	9.97						
QP	242.179k	47.04	62.02	-14.98	19.70	Neutral	-	27.34	9.71	0.02	9.97						
AV	242.179k	33.97	52.02	-18.05	19.70	Neutral	-	14.27	9.71	0.02	9.97						
QP	329.331k	43.07	59.46	-16.39	19.90	Neutral	-	23.17	9.90	0.02	9.98						
AV	329.331k	26.84	49.46	-22.62	19.90	Neutral	-	6.94	9.90	0.02	9.98						
QP	821.586k	37.19	56.00	-18.81	19.94	Neutral	-	17.25	9.91	0.05	9.98						
AV	821.586k	23.65	46.00	-22.35	19.94	Neutral	-	3.71	9.91	0.05	9.98						
QP	2.971M	33.09	56.00	-22.91	19.72	Neutral	-	13.37	9.70	0.04	9.98						
AV	2.971M	25.75	46.00	-20.25	19.72	Neutral	-	6.03	9.70	0.04	9.98						
QP	9.232M	31.00	60.00	-29.00	19.91	Neutral	-	11.09	9.71	0.22	9.98						
AV	9.232M	24.27	50.00	-25.73	19.91	Neutral	-	4.36	9.71	0.22	9.98						



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)	690k	1.039M	1M04F1D	631.25k	1.011M
BT-LE(2Mbps)	1.335M	2.066M	2M07F1D	1.003M	2.034M

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

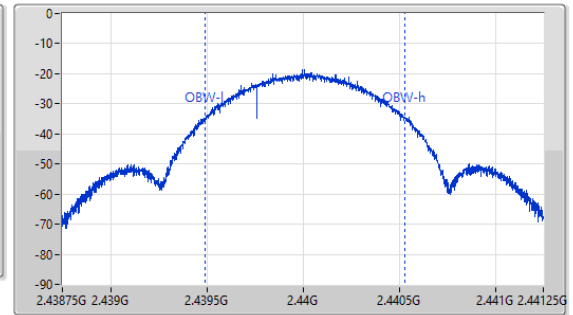
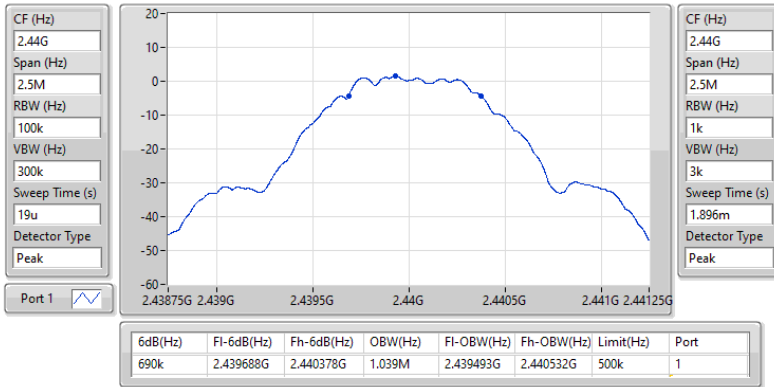
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	653.75k	1.011M
2440MHz	Pass	500k	690k	1.039M
2480MHz	Pass	500k	631.25k	1.022M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.003M	2.066M
2440MHz	Pass	500k	1.335M	2.066M
2480MHz	Pass	500k	1.253M	2.034M

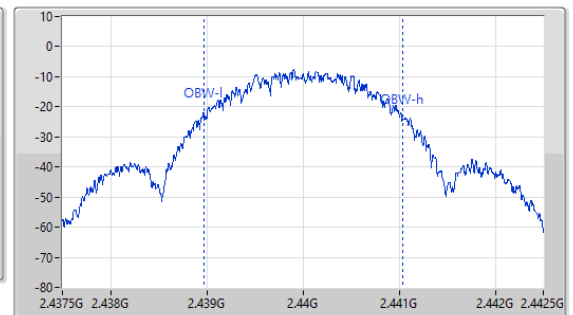
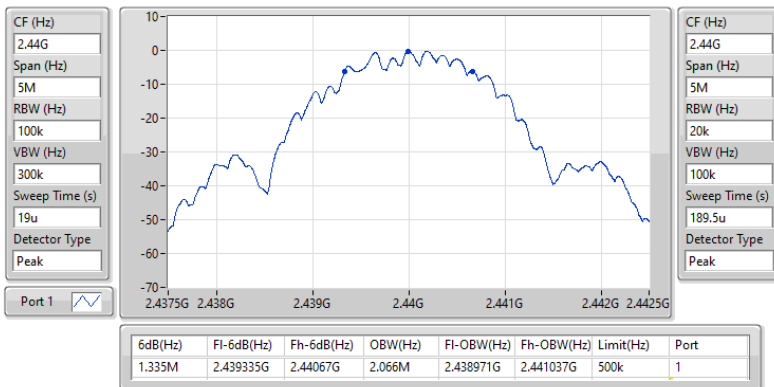
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

28/03/2025


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

28/03/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	2.94	0.00197
BT-LE(2Mbps)	3.05	0.00202



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	1.96	2.76	30.00
2440MHz	Pass	1.96	2.94	30.00
2480MHz	Pass	1.96	2.84	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	1.96	2.79	30.00
2440MHz	Pass	1.96	2.97	30.00
2480MHz	Pass	1.96	3.05	30.00

DG = Directional Gain; Port X = Port X output power;
Inf = There's no restriction for the limit.



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-13.44
BT-LE(2Mbps)	-15.09

RBW = 3kHz;

**Result**

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	1.96	-13.46	8.00
2440MHz	Pass	1.96	-13.44	8.00
2480MHz	Pass	1.96	-13.53	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	1.96	-15.47	8.00
2440MHz	Pass	1.96	-15.09	8.00
2480MHz	Pass	1.96	-15.17	8.00

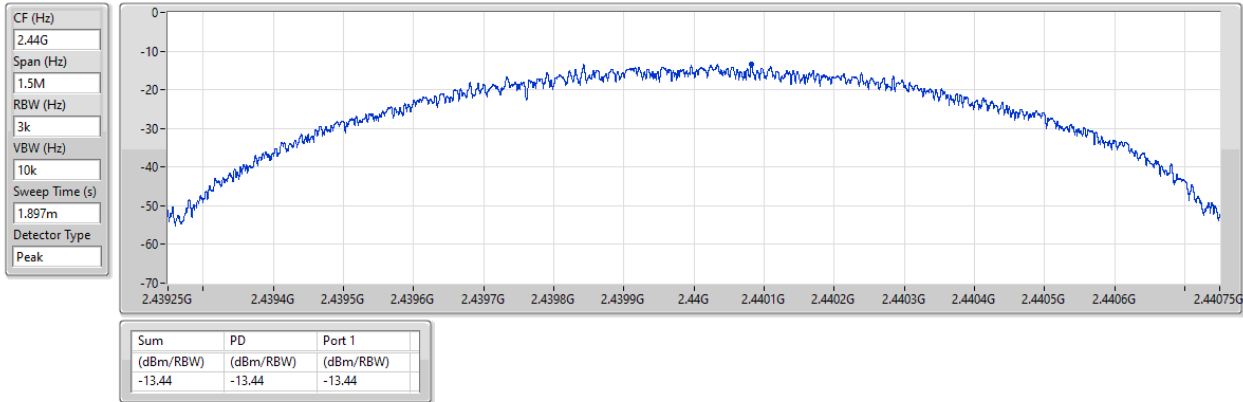
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2440MHz

28/03/2025

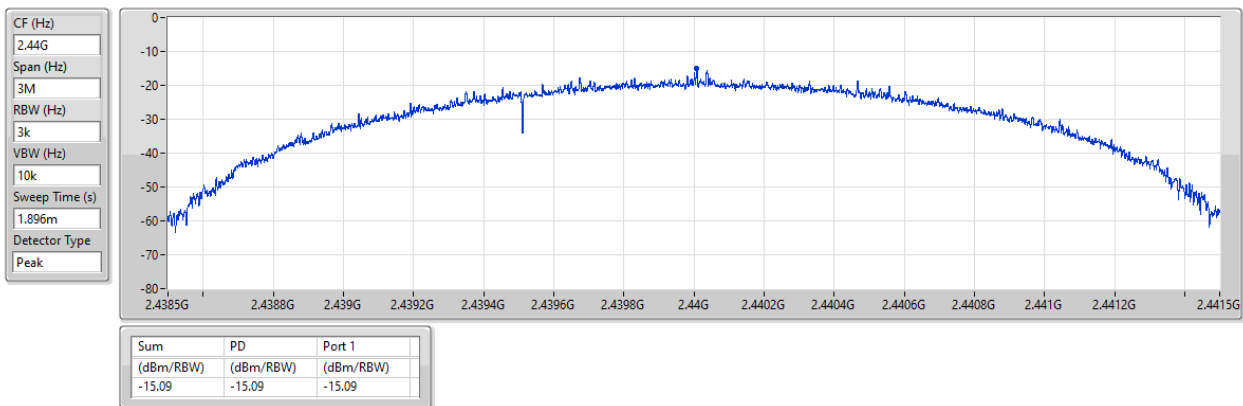


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2440MHz

28/03/2025



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.44025G	2.28	-27.72	34.7M	-55.10	2.39996G	-53.22	2.4G	-52.88	2.50022G	-54.33	16.21512G	-42.01	1
BT-LE(2Mbps)	Pass	2.48016G	2.39	-27.61	39.4M	-54.76	2.4G	-31.77	2.4G	-30.45	2.50086G	-53.09	15.29838G	-40.87	1

Result

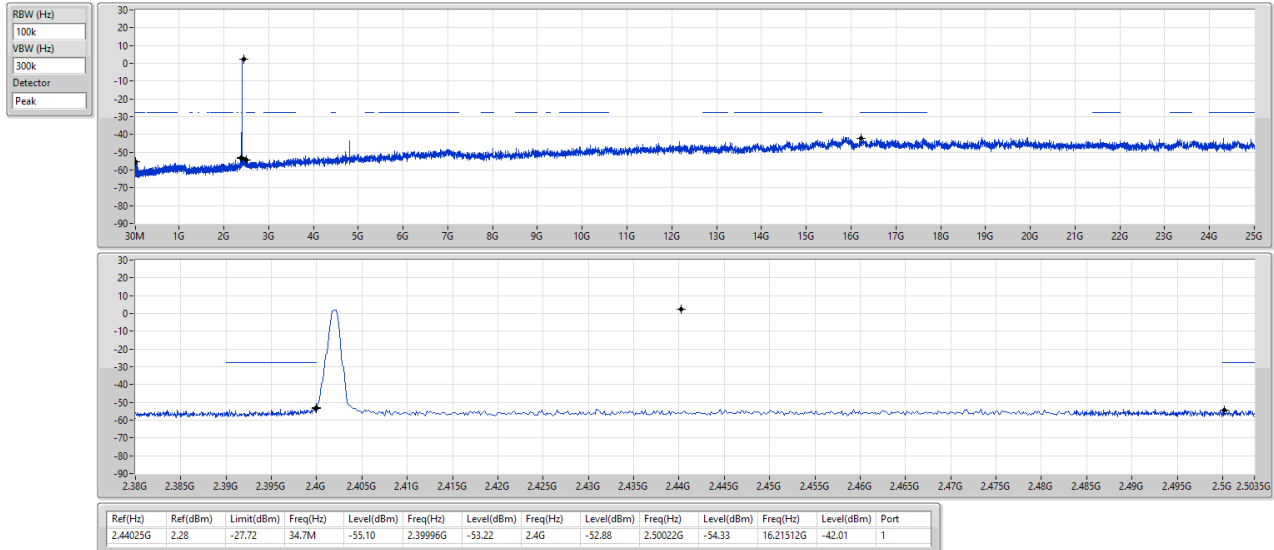
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.44025G	2.28	-27.72	34.7M	-55.10	2.39996G	-53.22	2.4G	-52.88	2.50022G	-54.33	16.21512G	-42.01	1
2440MHz	Pass	2.44025G	2.28	-27.72	34.7M	-54.28	2.3914G	-54.51	2.4G	-56.05	2.50178G	-53.54	16.64536G	-42.31	1
2480MHz	Pass	2.44025G	2.28	-27.72	44.1M	-53.33	2.39616G	-54.27	2.4G	-55.79	2.50106G	-53.57	23.32401G	-42.15	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.48016G	2.39	-27.61	39.4M	-54.76	2.4G	-31.77	2.4G	-30.45	2.50086G	-53.09	15.29838G	-40.87	1
2440MHz	Pass	2.48016G	2.39	-27.61	31.18M	-53.69	2.39844G	-54.04	2.4G	-57.08	2.50302G	-53.10	16.29667G	-41.55	1
2480MHz	Pass	2.48016G	2.39	-27.61	32.35M	-54.57	2.3966G	-54.00	2.4G	-56.64	2.50314G	-53.97	16.24324G	-41.52	1

2.4-2.4835GHz_BT-LE(1Mbps)

CSENdB-DTS

2402MHz

28/03/2025

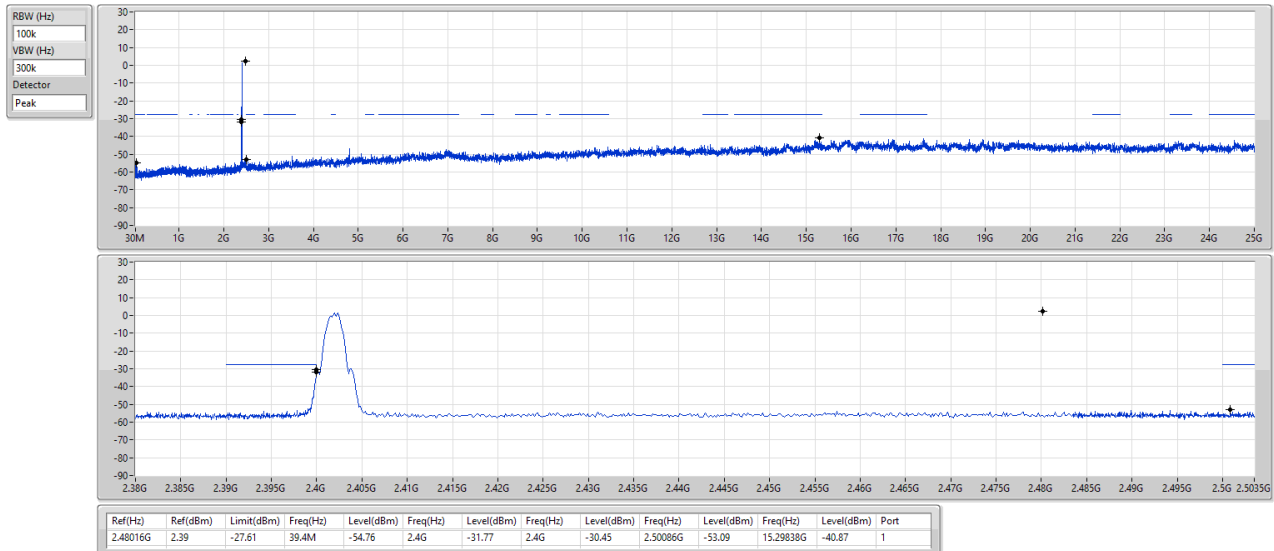


2.4-2.4835GHz_BT-LE(2Mbps)

CSENdB-DTS

2402MHz

28/03/2025





Summary

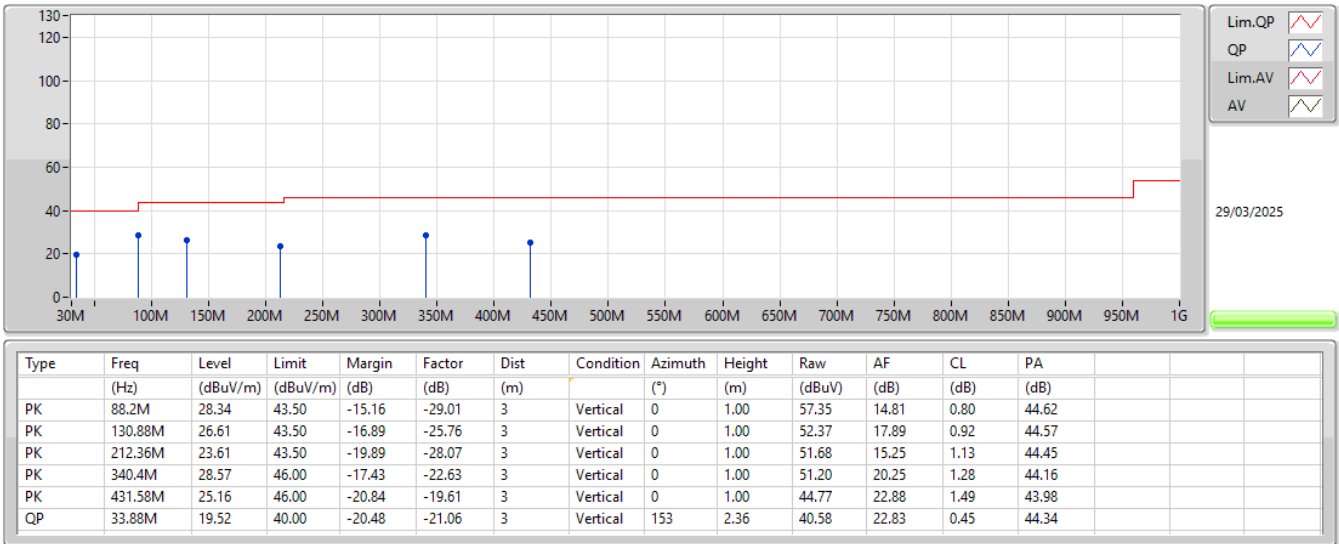
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	330.7M	37.63	46.00	-8.37	3	Horizontal	360	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	88.2M	28.34	43.50	-15.16	3	Vertical	0	1.00
2440MHz	Pass	PK	130.88M	26.61	43.50	-16.89	3	Vertical	0	1.00
2440MHz	Pass	PK	212.36M	23.61	43.50	-19.89	3	Vertical	0	1.00
2440MHz	Pass	PK	340.4M	28.57	46.00	-17.43	3	Vertical	0	1.00
2440MHz	Pass	PK	431.58M	25.16	46.00	-20.84	3	Vertical	0	1.00
2440MHz	Pass	QP	33.88M	19.52	40.00	-20.48	3	Vertical	153	2.36
2440MHz	Pass	PK	49.4M	21.60	40.00	-18.40	3	Horizontal	360	1.00
2440MHz	Pass	PK	99.84M	28.55	43.50	-14.95	3	Horizontal	360	1.00
2440MHz	Pass	PK	159.98M	27.18	43.50	-16.32	3	Horizontal	360	1.00
2440MHz	Pass	PK	210.42M	23.56	43.50	-19.94	3	Horizontal	360	1.00
2440MHz	Pass	PK	330.7M	37.63	46.00	-8.37	3	Horizontal	360	1.00
2440MHz	Pass	PK	412.18M	32.08	46.00	-13.92	3	Horizontal	360	1.00

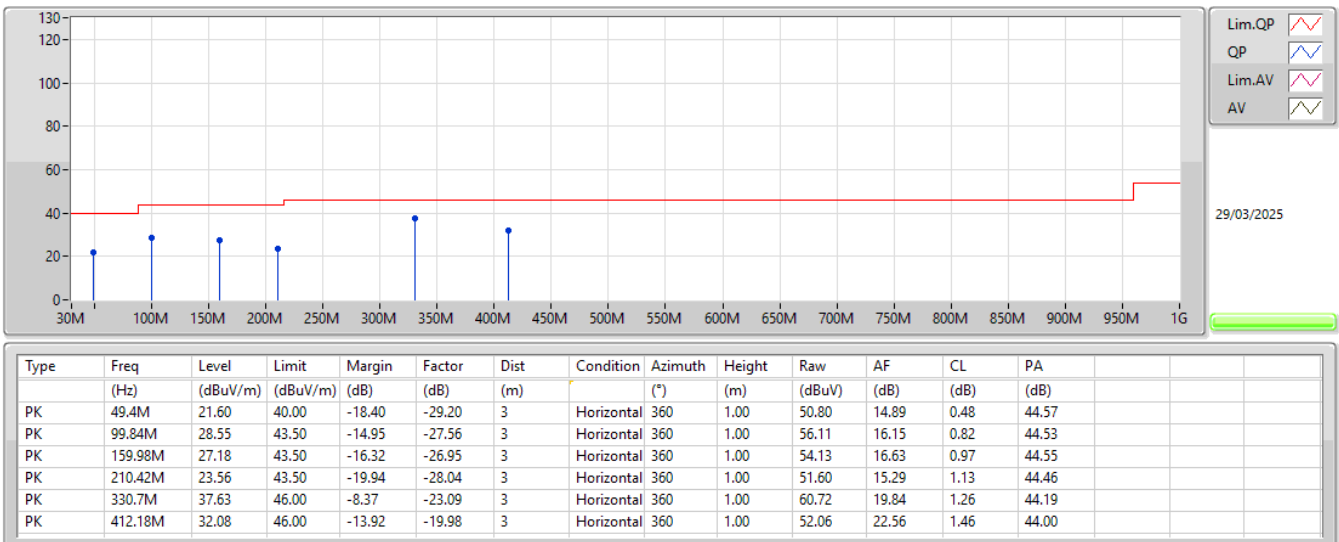
2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Adapter



2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_Adapter





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	2.4838G	45.41	54.00	-8.59	3	Horizontal	197	2.59
BT-LE(2Mbps)	Pass	AV	2.491G	45.46	54.00	-8.54	3	Horizontal	198	2.59

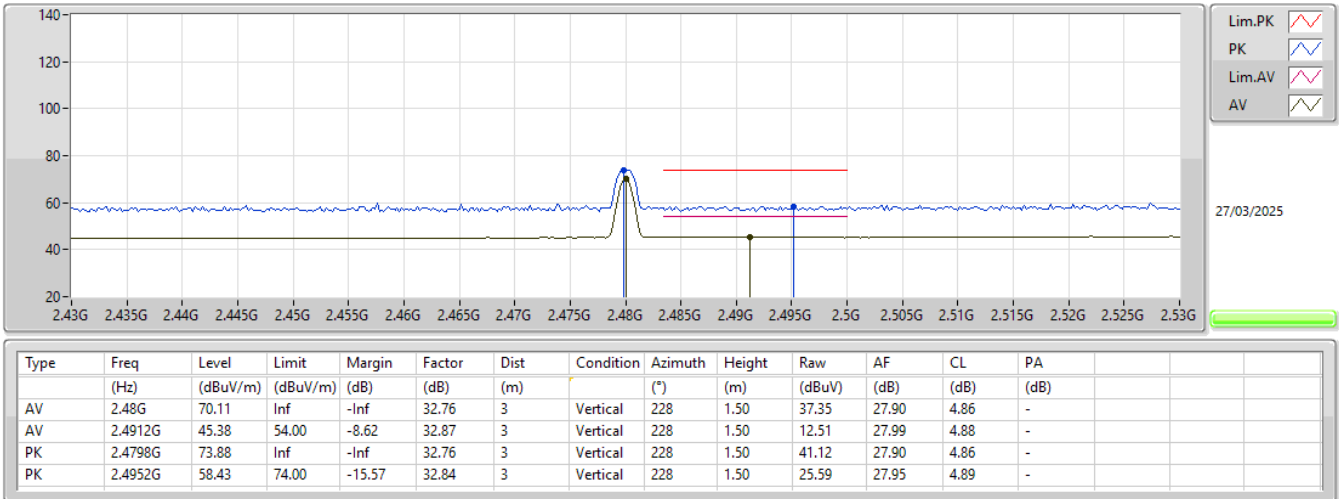
Result

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	2.3606G	44.40	54.00	-9.60	3	Vertical	230	2.83
2402MHz	Pass	AV	2.402G	70.81	Inf	-Inf	3	Vertical	230	2.83
2402MHz	Pass	PK	2.3876G	59.24	74.00	-14.76	3	Vertical	230	2.83
2402MHz	Pass	PK	2.4022G	74.47	Inf	-Inf	3	Vertical	230	2.83
2402MHz	Pass	AV	2.3652G	44.47	54.00	-9.53	3	Horizontal	197	2.96
2402MHz	Pass	AV	2.402G	76.88	Inf	-Inf	3	Horizontal	197	2.96
2402MHz	Pass	PK	2.3706G	57.80	74.00	-16.20	3	Horizontal	197	2.96
2402MHz	Pass	PK	2.4022G	80.56	Inf	-Inf	3	Horizontal	197	2.96
2402MHz	Pass	AV	4.804G	34.22	54.00	-19.78	3	Vertical	157	1.01
2402MHz	Pass	PK	4.80453G	46.17	74.00	-27.83	3	Vertical	157	1.01
2402MHz	Pass	AV	4.80404G	35.80	54.00	-18.20	3	Horizontal	302	2.56
2402MHz	Pass	PK	4.80442G	46.60	74.00	-27.40	3	Horizontal	302	2.56
2440MHz	Pass	AV	2.3884G	44.46	54.00	-9.54	3	Vertical	241	2.60
2440MHz	Pass	AV	2.44G	70.30	Inf	-Inf	3	Vertical	241	2.60
2440MHz	Pass	AV	2.4956G	45.39	54.00	-8.61	3	Vertical	241	2.60
2440MHz	Pass	PK	2.3824G	58.52	74.00	-15.48	3	Vertical	241	2.60
2440MHz	Pass	PK	2.44G	74.12	Inf	-Inf	3	Vertical	241	2.60
2440MHz	Pass	PK	2.4848G	59.12	74.00	-14.88	3	Vertical	241	2.60
2440MHz	Pass	AV	2.376G	44.68	54.00	-9.32	3	Horizontal	203	2.35
2440MHz	Pass	AV	2.44G	77.26	Inf	-Inf	3	Horizontal	203	2.35
2440MHz	Pass	AV	2.4944G	45.35	54.00	-8.65	3	Horizontal	203	2.35
2440MHz	Pass	PK	2.3512G	57.99	74.00	-16.01	3	Horizontal	203	2.35
2440MHz	Pass	PK	2.4396G	81.01	Inf	-Inf	3	Horizontal	203	2.35
2440MHz	Pass	PK	2.4976G	58.35	74.00	-15.65	3	Horizontal	203	2.35
2440MHz	Pass	AV	4.88001G	34.77	54.00	-19.23	3	Vertical	159	1.28
2440MHz	Pass	AV	7.32142G	34.11	54.00	-19.89	3	Vertical	0	1.50
2440MHz	Pass	PK	4.88057G	46.77	74.00	-27.23	3	Vertical	159	1.28
2440MHz	Pass	PK	7.32011G	48.28	74.00	-25.72	3	Vertical	0	1.50
2440MHz	Pass	AV	4.88008G	35.05	54.00	-18.95	3	Horizontal	327	2.58
2440MHz	Pass	AV	7.32082G	34.24	54.00	-19.76	3	Horizontal	8	2.38
2440MHz	Pass	PK	4.88059G	45.81	74.00	-28.19	3	Horizontal	327	2.58
2440MHz	Pass	PK	7.32086G	48.67	74.00	-25.33	3	Horizontal	8	2.38
2480MHz	Pass	AV	2.48G	70.11	Inf	-Inf	3	Vertical	228	1.50
2480MHz	Pass	AV	2.4912G	45.38	54.00	-8.62	3	Vertical	228	1.50
2480MHz	Pass	PK	2.4798G	73.88	Inf	-Inf	3	Vertical	228	1.50
2480MHz	Pass	PK	2.4952G	58.43	74.00	-15.57	3	Vertical	228	1.50
2480MHz	Pass	AV	2.48G	77.58	Inf	-Inf	3	Horizontal	197	2.59
2480MHz	Pass	AV	2.4838G	45.41	54.00	-8.59	3	Horizontal	197	2.59
2480MHz	Pass	PK	2.4798G	81.31	Inf	-Inf	3	Horizontal	197	2.59
2480MHz	Pass	PK	2.494G	59.29	74.00	-14.71	3	Horizontal	197	2.59
2480MHz	Pass	AV	4.95996G	36.13	54.00	-17.87	3	Vertical	166	2.21
2480MHz	Pass	AV	7.43944G	34.09	54.00	-19.91	3	Vertical	0	1.13
2480MHz	Pass	PK	4.95964G	46.75	74.00	-27.25	3	Vertical	166	2.21
2480MHz	Pass	PK	7.44094G	48.80	74.00	-25.20	3	Vertical	0	1.13
2480MHz	Pass	AV	4.96003G	36.41	54.00	-17.59	3	Horizontal	331	2.42
2480MHz	Pass	AV	7.43908G	33.42	54.00	-20.58	3	Horizontal	252	1.01
2480MHz	Pass	PK	4.95959G	47.24	74.00	-26.76	3	Horizontal	331	2.42
2480MHz	Pass	PK	7.43846G	47.05	74.00	-26.95	3	Horizontal	252	1.01
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3888G	44.43	54.00	-9.57	3	Vertical	229	2.83
2402MHz	Pass	AV	2.402G	63.03	Inf	-Inf	3	Vertical	229	2.83
2402MHz	Pass	PK	2.3528G	58.37	74.00	-15.63	3	Vertical	229	2.83
2402MHz	Pass	PK	2.4024G	74.39	Inf	-Inf	3	Vertical	229	2.83
2402MHz	Pass	AV	2.3614G	44.35	54.00	-9.65	3	Horizontal	199	2.94
2402MHz	Pass	AV	2.402G	67.66	Inf	-Inf	3	Horizontal	199	2.94
2402MHz	Pass	PK	2.3728G	58.30	74.00	-15.70	3	Horizontal	199	2.94
2402MHz	Pass	PK	2.4024G	80.42	Inf	-Inf	3	Horizontal	199	2.94
2402MHz	Pass	AV	4.8048G	31.15	54.00	-22.85	3	Vertical	157	1.01
2402MHz	Pass	PK	4.80487G	45.29	74.00	-28.71	3	Vertical	157	1.01
2402MHz	Pass	AV	4.80478G	30.54	54.00	-23.46	3	Horizontal	328	2.92

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2402MHz	Pass	PK	4.80303G	45.33	74.00	-28.67	3	Horizontal	328	2.92
2440MHz	Pass	AV	2.3668G	44.42	54.00	-9.58	3	Vertical	242	2.58
2440MHz	Pass	AV	2.44G	62.84	Inf	-Inf	3	Vertical	242	2.58
2440MHz	Pass	AV	2.4928G	45.32	54.00	-8.68	3	Vertical	242	2.58
2440MHz	Pass	PK	2.368G	58.40	74.00	-15.60	3	Vertical	242	2.58
2440MHz	Pass	PK	2.4404G	74.06	Inf	-Inf	3	Vertical	242	2.58
2440MHz	Pass	PK	2.4996G	58.93	74.00	-15.07	3	Vertical	242	2.58
2440MHz	Pass	AV	2.376G	44.55	54.00	-9.45	3	Horizontal	200	2.66
2440MHz	Pass	AV	2.44G	67.88	Inf	-Inf	3	Horizontal	200	2.66
2440MHz	Pass	AV	2.4916G	45.39	54.00	-8.61	3	Horizontal	200	2.66
2440MHz	Pass	PK	2.3884G	58.17	74.00	-15.83	3	Horizontal	200	2.66
2440MHz	Pass	PK	2.4396G	80.61	Inf	-Inf	3	Horizontal	200	2.66
2440MHz	Pass	PK	2.4908G	58.19	74.00	-15.81	3	Horizontal	200	2.66
2440MHz	Pass	AV	4.88043G	31.29	54.00	-22.71	3	Vertical	53	2.11
2440MHz	Pass	AV	7.32116G	34.14	54.00	-19.86	3	Vertical	357	1.12
2440MHz	Pass	PK	4.87992G	45.82	74.00	-28.18	3	Vertical	53	2.11
2440MHz	Pass	PK	7.32249G	48.51	74.00	-25.49	3	Vertical	357	1.12
2440MHz	Pass	AV	4.88091G	30.61	54.00	-23.39	3	Horizontal	325	3.00
2440MHz	Pass	AV	7.3195G	33.65	54.00	-20.35	3	Horizontal	99	1.50
2440MHz	Pass	PK	4.87895G	44.98	74.00	-29.02	3	Horizontal	325	3.00
2440MHz	Pass	PK	7.31979G	48.63	74.00	-25.37	3	Horizontal	99	1.50
2480MHz	Pass	AV	2.48G	62.50	Inf	-Inf	3	Vertical	228	1.50
2480MHz	Pass	AV	2.4856G	45.37	54.00	-8.63	3	Vertical	228	1.50
2480MHz	Pass	PK	2.4796G	73.76	Inf	-Inf	3	Vertical	228	1.50
2480MHz	Pass	PK	2.4878G	58.68	74.00	-15.32	3	Vertical	228	1.50
2480MHz	Pass	AV	2.48G	68.36	Inf	-Inf	3	Horizontal	198	2.59
2480MHz	Pass	AV	2.491G	45.46	54.00	-8.54	3	Horizontal	198	2.59
2480MHz	Pass	PK	2.4804G	81.14	Inf	-Inf	3	Horizontal	198	2.59
2480MHz	Pass	PK	2.495G	58.91	74.00	-15.09	3	Horizontal	198	2.59
2480MHz	Pass	AV	4.9604G	31.99	54.00	-22.01	3	Vertical	46	2.65
2480MHz	Pass	AV	7.43878G	33.25	54.00	-20.75	3	Vertical	357	1.49
2480MHz	Pass	PK	4.95891G	47.20	74.00	-26.80	3	Vertical	46	2.65
2480MHz	Pass	PK	7.43883G	48.81	74.00	-25.19	3	Vertical	357	1.49
2480MHz	Pass	AV	4.95913G	30.68	54.00	-23.32	3	Horizontal	318	1.52
2480MHz	Pass	AV	7.4384G	32.90	54.00	-21.10	3	Horizontal	0	1.50
2480MHz	Pass	PK	4.96005G	45.22	74.00	-28.78	3	Horizontal	318	1.52
2480MHz	Pass	PK	7.43998G	47.15	74.00	-26.85	3	Horizontal	0	1.50

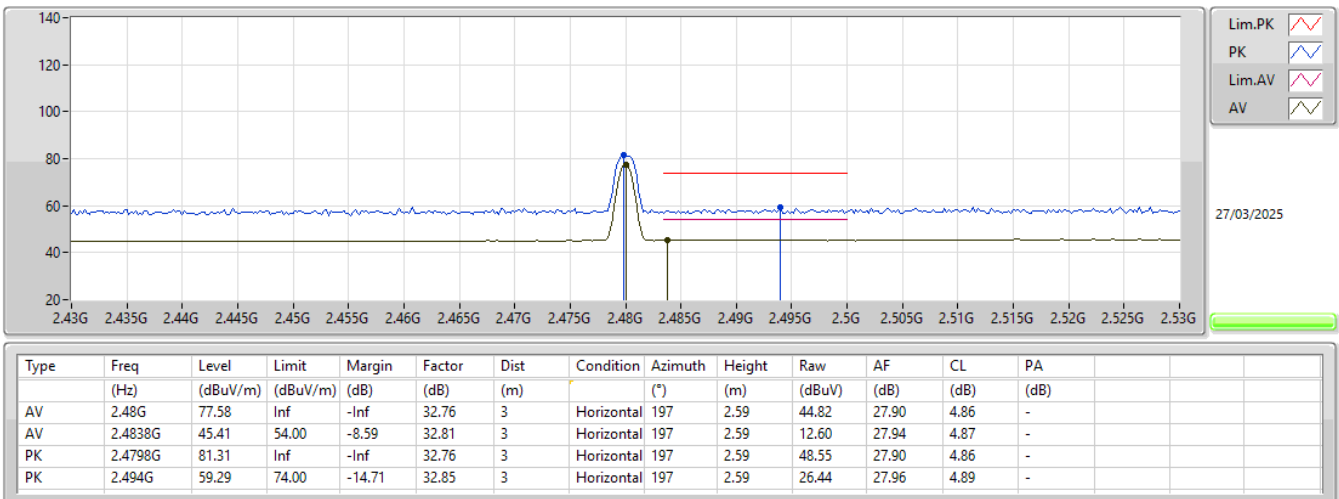
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2480MHz_TX



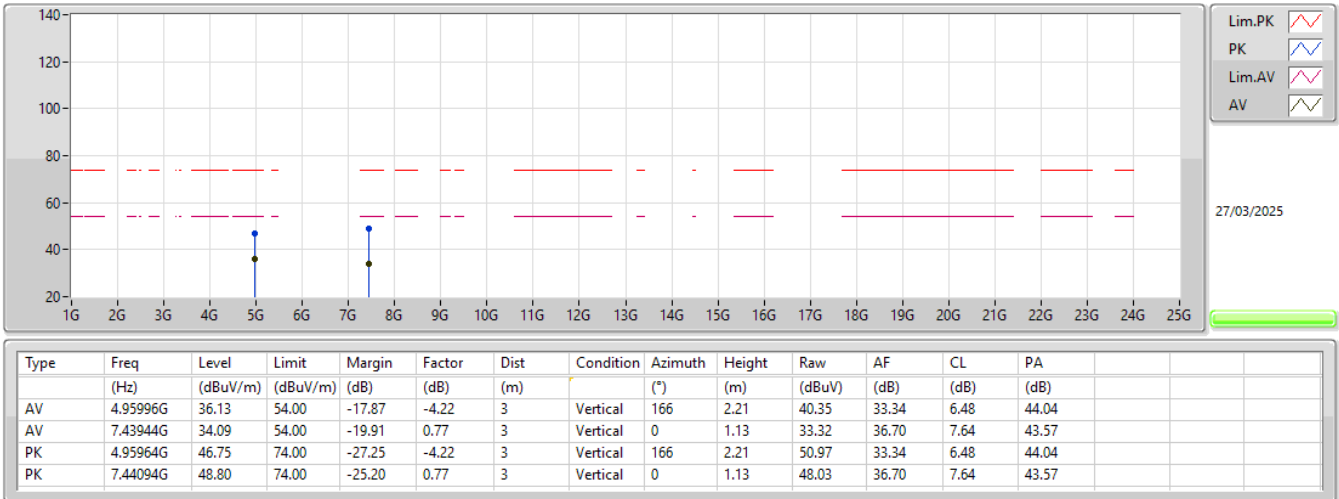
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2480MHz_TX



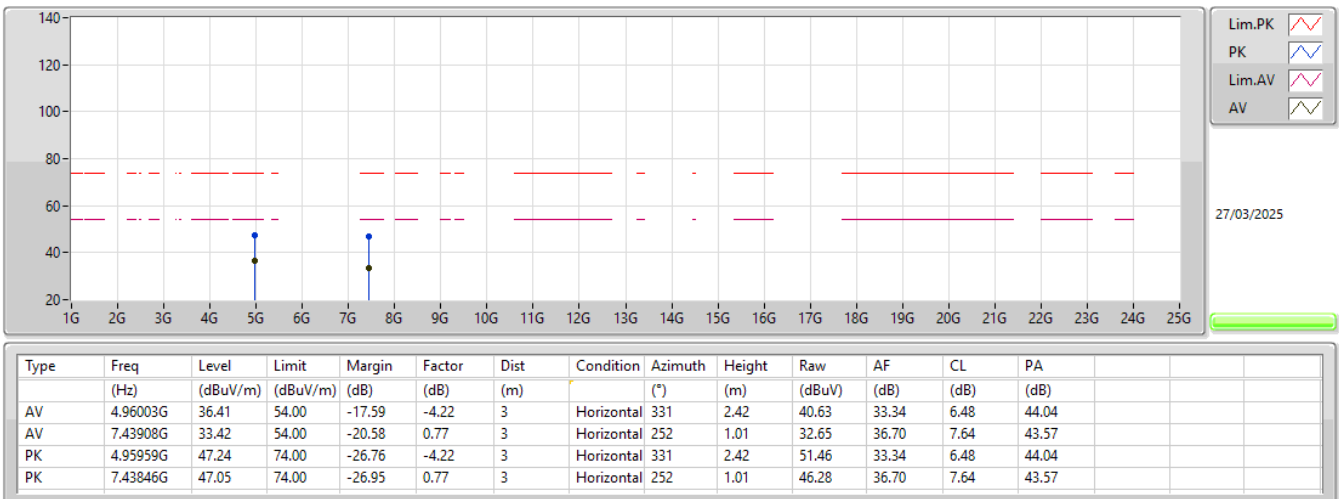
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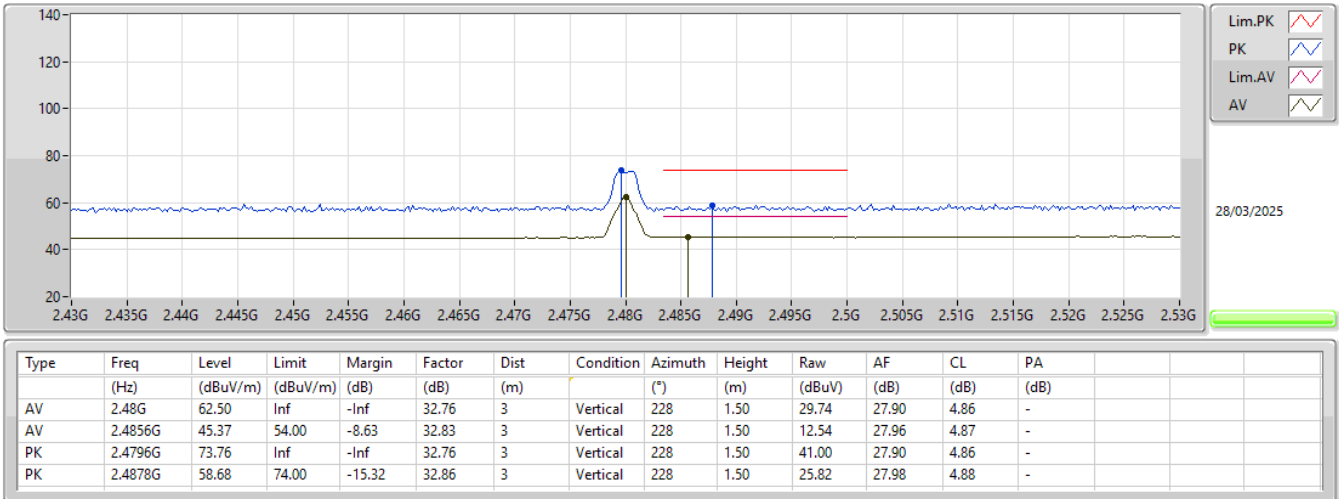
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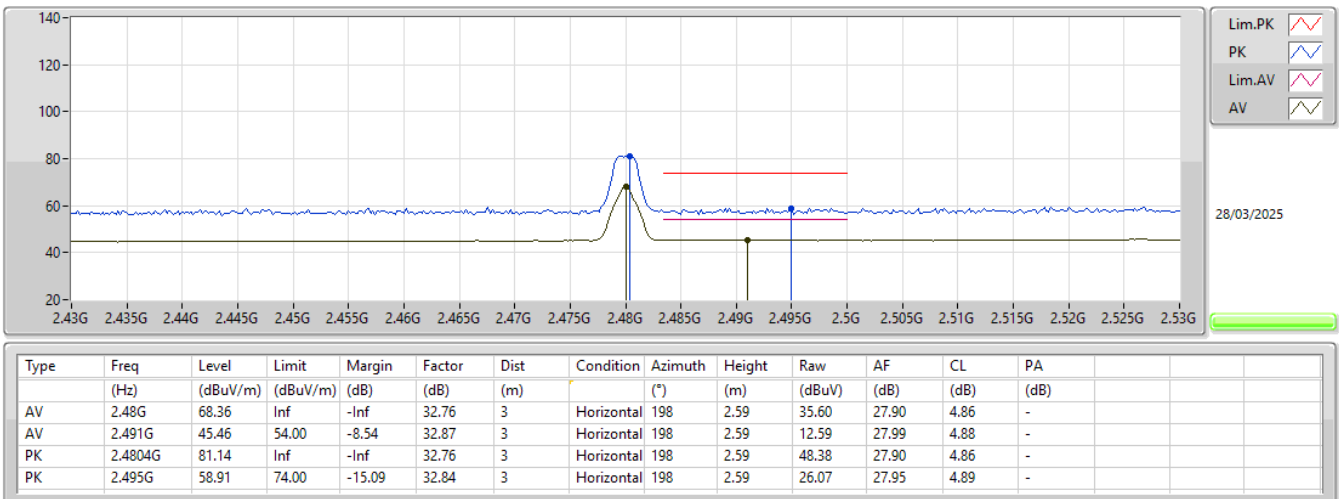
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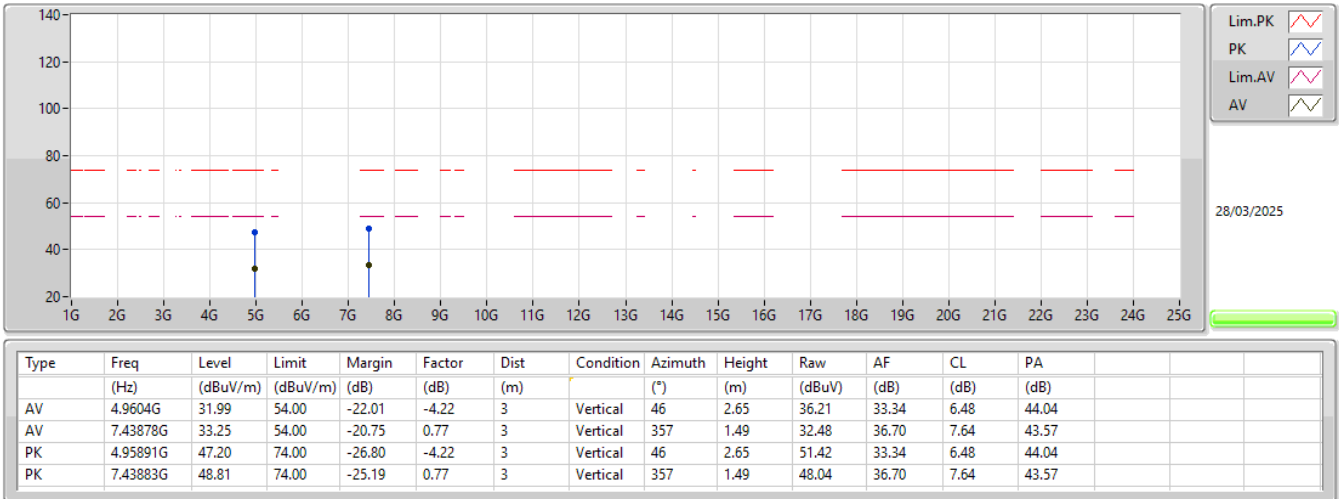
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2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX

