

FCC Radio Test Report

FCC ID : UDX-600215010
Equipment : Cisco Wireless 9172H Series Wi-Fi 7 Access Point
Brand Name : CISCO
Model Name : CW9172H
Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.247

The product was received on Oct. 30, 2024, and testing was started from Nov. 20, 2024 and completed on Dec. 18, 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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Report Template No.: HE1-C10 Ver4.3
FCC ID: UDX-600215010

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: Barry Hsiao

Report Producer: Debby Hung

1 General Description

1.1 Information

Radio 3 (Scan radio) is only RX function.

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

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Sercomm	61720064WA	PIFA	I-Pex	2.4G	Radio1
					5G	Radio 2
2	Sercomm	61720065WA	PIFA	I-Pex	2.4G	Radio1
					5G	Radio 2
3	Sercomm	61720062WA	PIFA	I-Pex	6G	Radio 2
4	Sercomm	61720063WA	PIFA	I-Pex	6G	Radio 2
5	Sercomm	61720067WA	PIFA	I-Pex	2.4G/5G/6G	Radio 3
6	Sercomm	61720066WA	PIFA	I-Pex	BT	BT

Ant.	Port	Gain (dBi)									
		2.4G	5G				6G				BT
			UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	
1	1	2.68	4.35	5.91	5.86	5	-	-	-	-	-
2	2	2.04	3.5	3.74	5.92	4.6	-	-	-	-	-
3	1	-	-	-	-	-	5.04	4.33	4.45	4.49	-
4	2	-	-	-	-	-	2.88	2.88	3.11	2.92	-
5	1	1.05	4.02	4.78	3.61	2.68	3.33	2.51	1.64	1.01	-
6	1	-	-	-	-	-	-	-	-	-	4.57

Composite Gain (dBi)										
Ant.	Wi-Fi Mode	2.4G	5G				6G			
		Radio 1	Radio 2				Radio 2			
			UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
1-2	DG [1SS]	2.86	6.34	6.89	7.56	6.98	-	-	-	-
	DG [2SS]	2.68	4.35	5.91	5.92	5	-	-	-	-
3-4	DG [1SS]	-	-	-	-	-	5.27	5.41	6.31	6.38
	DG [2SS]	-	-	-	-	-	5.04	4.33	4.45	4.49

Note 1: The EUT has six antennas.

Note 2: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP481514-01.

For 2.4GHz function:

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

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

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

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

For IEEE 802.11 b/g/n/VHT/ax mode (1RX) (Radio 3)

Ant. 5 (port 1) could receive.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (1TX/1RX) (Radio 2)

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

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

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

For IEEE 802.11 a/n/ac/ax mode (1RX) (Radio 3)

Ant. 5 (port 1) could receive.

For BT function:

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

Ant. 6 (port 1) could transmit/receive.

For 6GHz function:

For IEEE 802.11 ax/be mode (1TX/1RX) (Radio 2)

Ant. 3 (port 1) could transmit/receive.

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

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



For IEEE 802.11 ax mode (1RX) (Radio 3)
Ant. 5 (port 1) could receive.

1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
BT-LE(125kbps)	0.974	0.11	17.064m	100
BT-LE(500kbps)	0.913	0.4	4.569m	300
BT-LE(1Mbps)	0.858	0.67	2.147m	1k
BT-LE(2Mbps)	0.588	2.31	1.091m	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	22.1~23.6°C / 53~58%	06/Dec/2024
RF Conducted	TH01-HY	Jin Jing	23.1~23.4°C / 52~55%	20/Nov/2024~18/Dec/2024
Radiated (Co-location)	03CH02-HY	Daniel Lin	19.8~21.2°C / 51~54%	05/Dec/2024
☒ 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
Radiated	03CH26-HY	Andy Wang	19.6~20.3°C / 54~58%	22/Nov/2024~23/Nov/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%
Receiver Radiated Unwanted Emissions	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	Dos 6.1
Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	200
2440MHz	200
2480MHz	200
BT-LE(2Mbps)	-
2402MHz	200
2440MHz	200
2480MHz	138
BT-LE(125kbps)	-
2402MHz	135
2440MHz	135
2480MHz	200
BT-LE(500kbps)	-
2402MHz	200
2440MHz	200
2480MHz	200

2.2 The Worst Case Measurement Configuration

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

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio 1:WLAN 2.4G+Radio 2: WLAN 5G+ Radio 2: WLAN 6G+ Bluetooth
Refer to Sporton Test Report No.: FA481514-01 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
Bracket wall mount	Brand Name	Cisco	Model Name	CW-MNT-H1
RJ45 Cable (main source)	Brand Name	TUNG-LI	Model Name	5U422WC880L0B/D065MM-1
	Category	Cat5e	In/Out door	Indoor
	Signal Line	0.05meter,non-shielded cable		
RJ45 Cable (2nd source)	Brand Name	NIEN-YI	Model Name	NYS6142
	Category	Cat5e	In/Out door	Indoor
	Signal Line	0.05meter,non-shielded cable		

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

2.4 Support Equipment

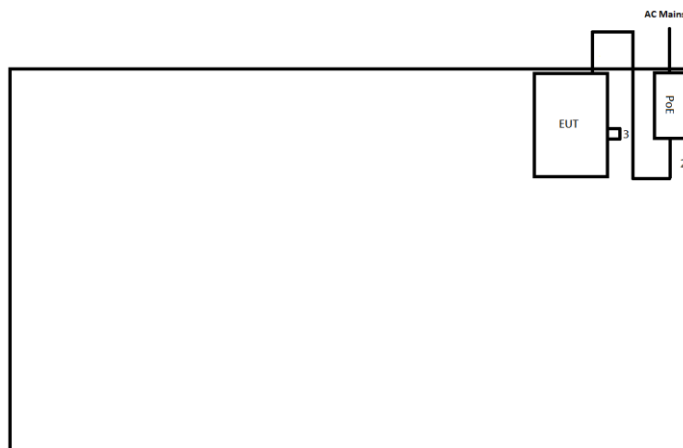
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ-45 Cable	Power sync	CAT-6E-03	-	-
2	AC power cable	Power sync	PW-GPC180-3	-	-
3	PoE	PHIHONG	POE60U-BTA(X664-R)	-	Provided by Customer

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

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ-45 Cable	Power sync	CAT-6E-03	-	Remote
2	AC power cable	Power sync	PW-GPC180-3	-	Remote
3	PoE	PHIHONG	POE60U-BTA(X664-R)	-	Provided by Customer

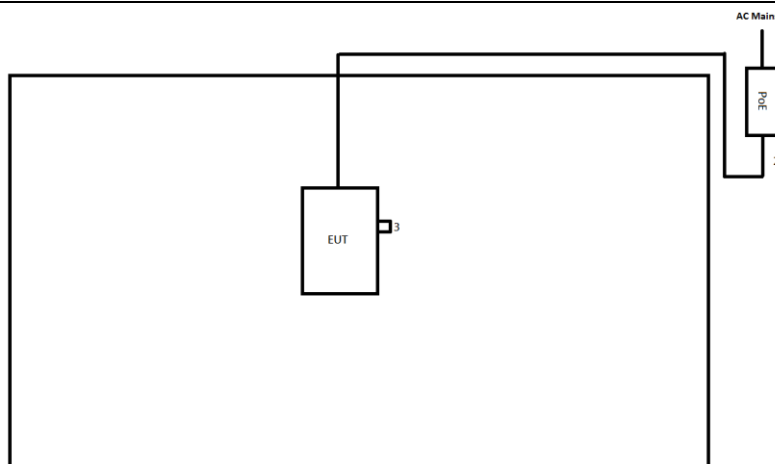
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC power cable	No	1.8	-
2	RJ-45 Cable	No	3.0	-
3	RJ-45 Cable	No	0.05	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC power cable	No	1.8	-
2	RJ-45 Cable	No	3.0	-
3	RJ-45 Cable	No	0.05	-

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

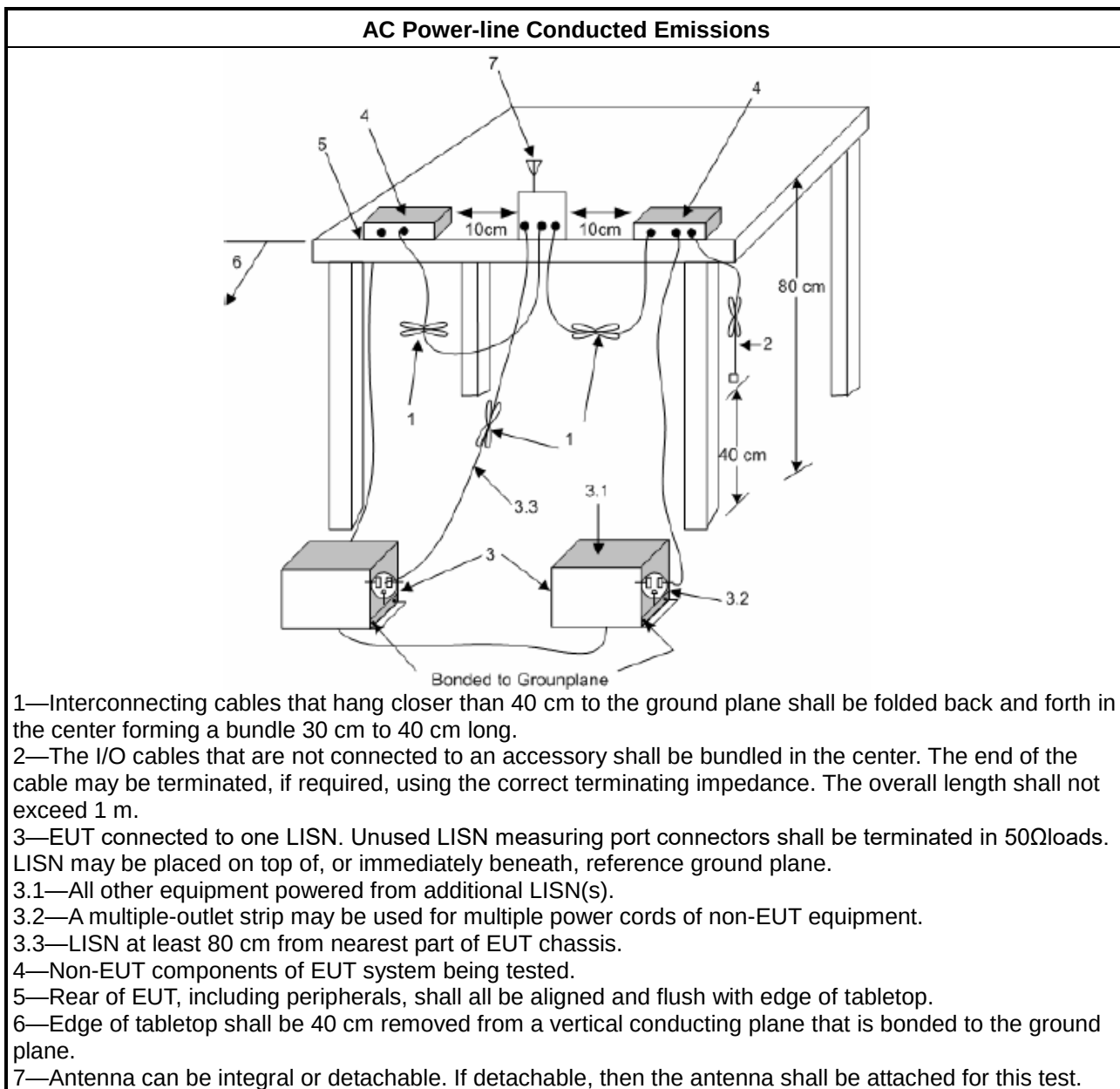
Test Method
Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.

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.

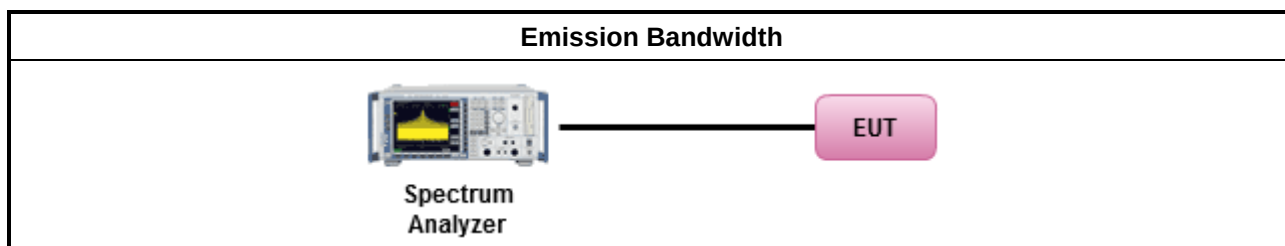
3.2.2 Measuring Instruments

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.	

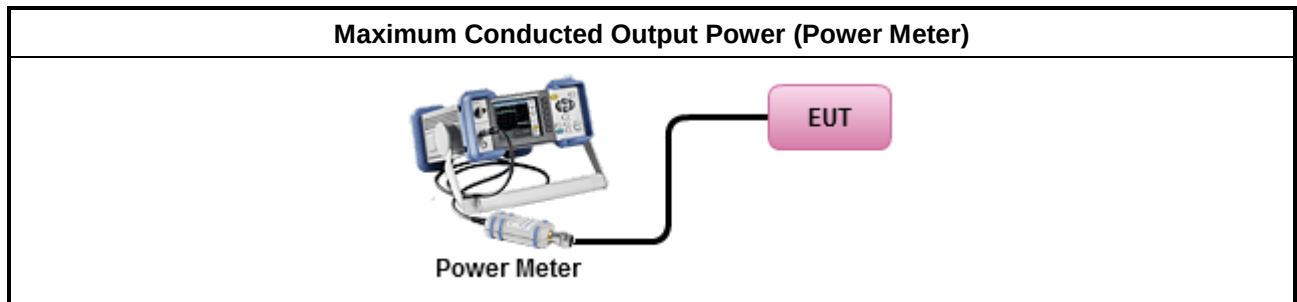
3.3.2 Measuring Instruments

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

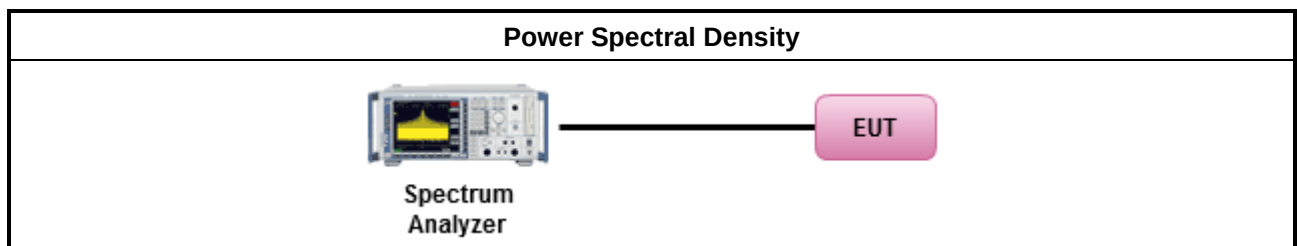
3.4.2 Measuring Instruments

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.	

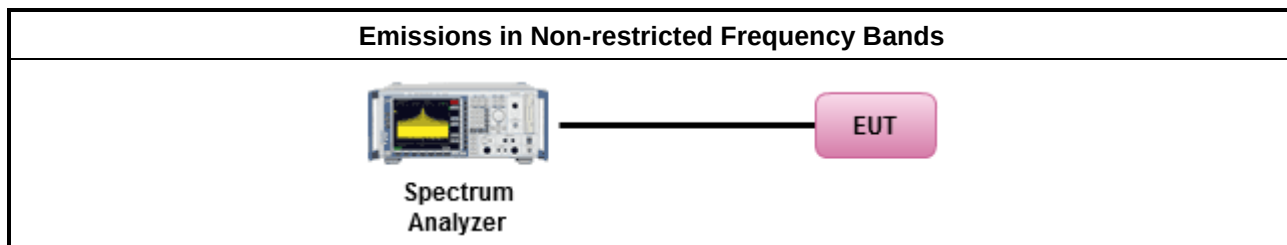
3.5.2 Measuring Instruments

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

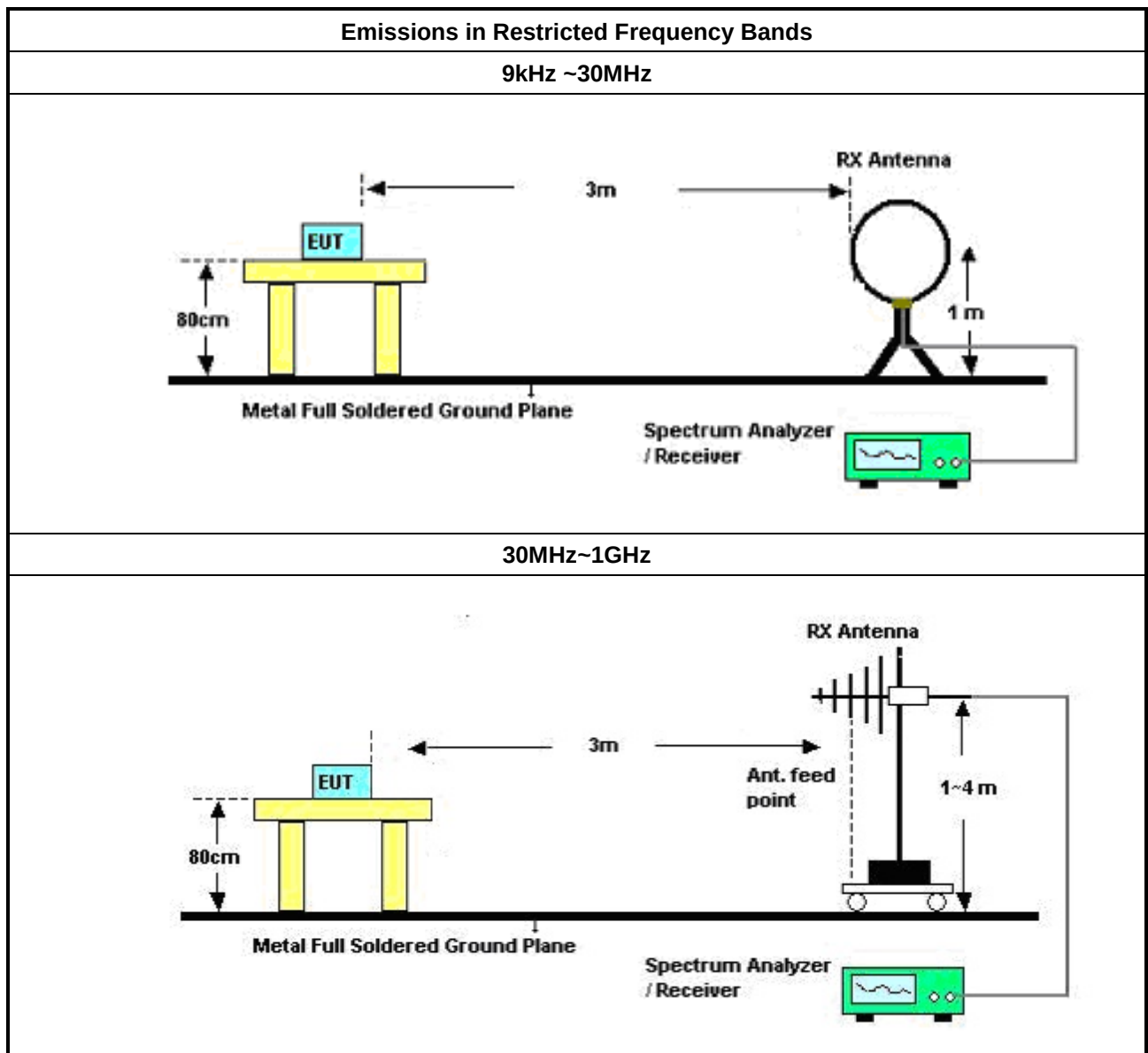
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted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

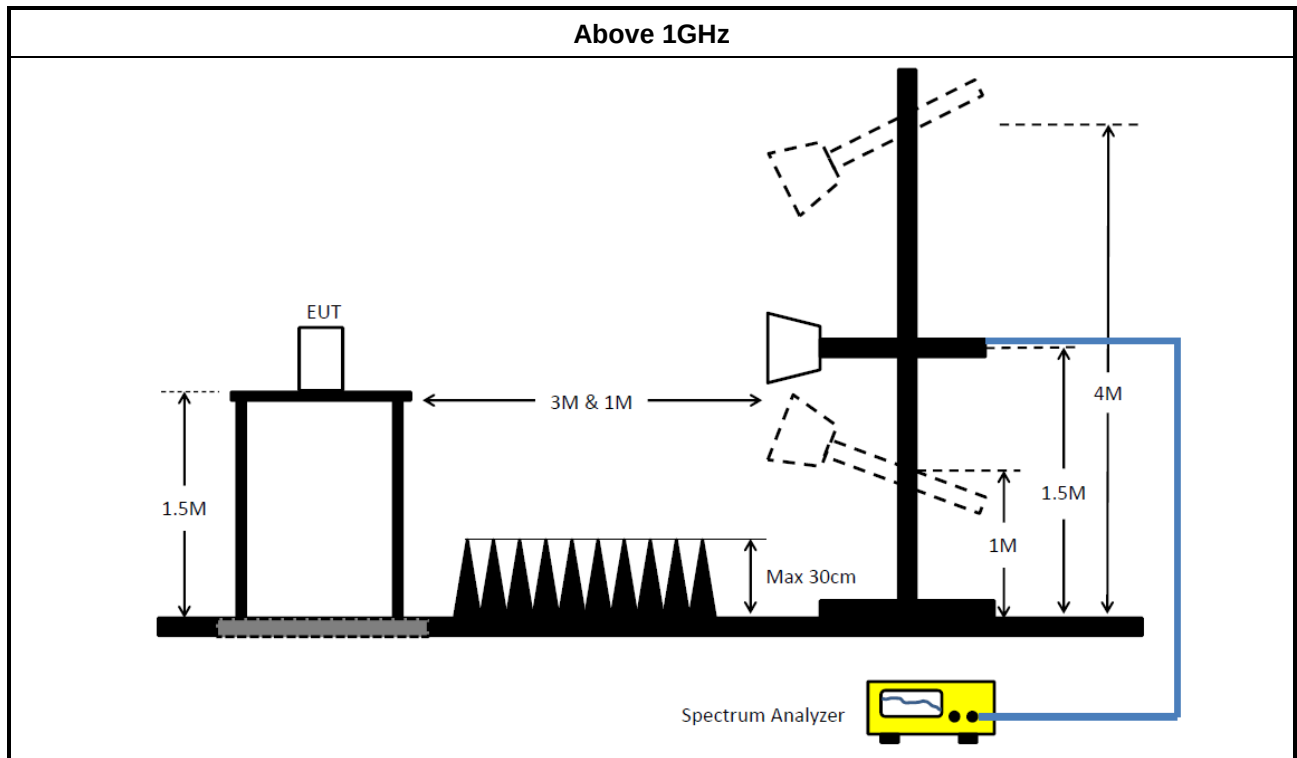
3.6.4 Measurement Results Calculation

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	101274	9kHz ~ 30MHz	18/Jun/2024	17/Jun/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	27/Feb/2024	26/Feb/2025
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	101013	10Hz~40GHz	09/Apr/2024	08/Apr/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	949003	300MHz~40GHz	17/Feb/2024	16/Feb/2025
Pulse Sensor	Anritsu	MA2411B	917017	300MHz~40GHz	17/Feb/2024	16/Feb/2025
SENSE-15247_FS	Sporton	V5.11.18	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH26-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH26-HY	30MHz~1GHz 3m	07/Aug/2024	06/Aug/2025
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH26-HY	1GHz~18GHz 3m	07/Aug/2024	06/Aug/2025
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101411	10Hz~44GHz	09/Oct/2024	08/Oct/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 6dB Attenuator	TESEQ & VGT	CBL 6111D & VFA 04002-06	63540/002	30MHz~1GHz	05/Jun/2024	04/Jun/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02877	1GHz~18GHz	11/Jul/2024	10/Jul/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB009	9kHz~1GHz	21/Oct/2024	20/Oct/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	CB009	1GHz~40GHz	21/Oct/2024	20/Oct/2025
Preamplifier	SGH	PRAMP 903	20230515-2	30MHz~1GHz	24/May/2024	23/May/2025
Preamplifier	SGH	PRAMP 118-H	20230515-4	1GHz ~18GHz	24/May/2024	23/May/2025
Amplifier	EM	EM18G40G	060874	18GHz ~ 40GHz	15/Apr/2024	14/Apr/2025
SENSE-15247-FS	Sporton	V5.11.18	NA	NA	NA	NA

Instrument for Radiated Test (03CH02-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Site V.S.W.R	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3M	14/Jul/2024	13/Jul/2025
Signal Analyzer	R&S	FSP 40	100593	9kHz~40GHz	11/Mar/2024	10/Mar/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2024	22/Sep/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	15/Feb/2024	14/Feb/2025
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	19/Apr/2024	18/Apr/2025
SENSE-EMI	Sporton	V5.11.9	NA	NA	NA	NA



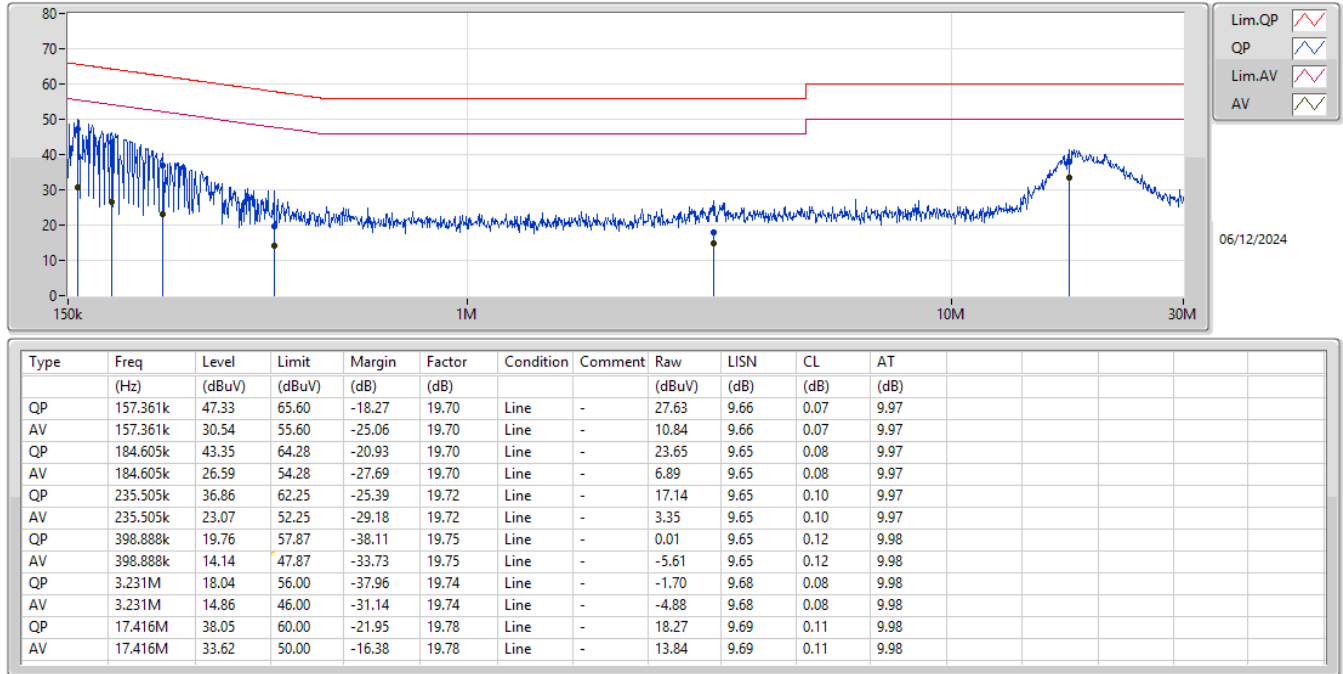
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	18.27M	34.07	50.00	-15.93	Neutral

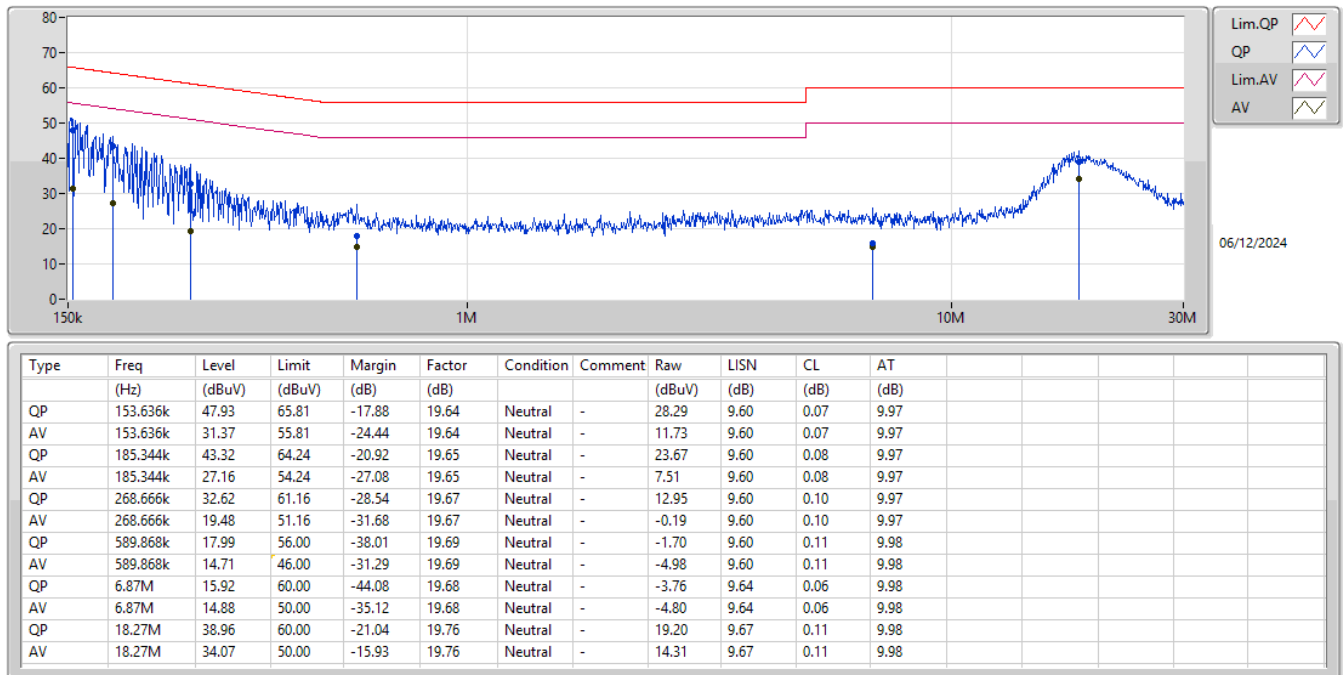
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	157.361k	47.33	65.60	-18.27	Line
Mode 1	Pass	AV	157.361k	30.54	55.60	-25.06	Line
Mode 1	Pass	QP	184.605k	43.35	64.28	-20.93	Line
Mode 1	Pass	AV	184.605k	26.59	54.28	-27.69	Line
Mode 1	Pass	QP	235.505k	36.86	62.25	-25.39	Line
Mode 1	Pass	AV	235.505k	23.07	52.25	-29.18	Line
Mode 1	Pass	QP	398.888k	19.76	57.87	-38.11	Line
Mode 1	Pass	AV	398.888k	14.14	47.87	-33.73	Line
Mode 1	Pass	QP	3.231M	18.04	56.00	-37.96	Line
Mode 1	Pass	AV	3.231M	14.86	46.00	-31.14	Line
Mode 1	Pass	QP	17.416M	38.05	60.00	-21.95	Line
Mode 1	Pass	AV	17.416M	33.62	50.00	-16.38	Line
Mode 1	Pass	QP	153.636k	47.93	65.81	-17.88	Neutral
Mode 1	Pass	AV	153.636k	31.37	55.81	-24.44	Neutral
Mode 1	Pass	QP	185.344k	43.32	64.24	-20.92	Neutral
Mode 1	Pass	AV	185.344k	27.16	54.24	-27.08	Neutral
Mode 1	Pass	QP	268.666k	32.62	61.16	-28.54	Neutral
Mode 1	Pass	AV	268.666k	19.48	51.16	-31.68	Neutral
Mode 1	Pass	QP	589.868k	17.99	56.00	-38.01	Neutral
Mode 1	Pass	AV	589.868k	14.71	46.00	-31.29	Neutral
Mode 1	Pass	QP	6.87M	15.92	60.00	-44.08	Neutral
Mode 1	Pass	AV	6.87M	14.88	50.00	-35.12	Neutral
Mode 1	Pass	QP	18.27M	38.96	60.00	-21.04	Neutral
Mode 1	Pass	AV	18.27M	34.07	50.00	-15.93	Neutral

Conducted Emissions at Powerline_Mode 1



Conducted Emissions at Powerline_Mode 1



**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)	706.25k	1.087M	1M09F1D	681.25k	1.042M
BT-LE(2Mbps)	1.343M	2.119M	2M12F1D	907.5k	2.101M
BT-LE(125kbps)	725k	1.113M	1M11F1D	707.5k	1.064M
BT-LE(500kbps)	733.75k	1.061M	1M06F1D	671.25k	1.046M

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

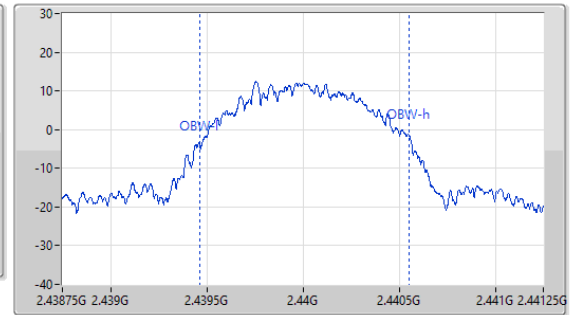
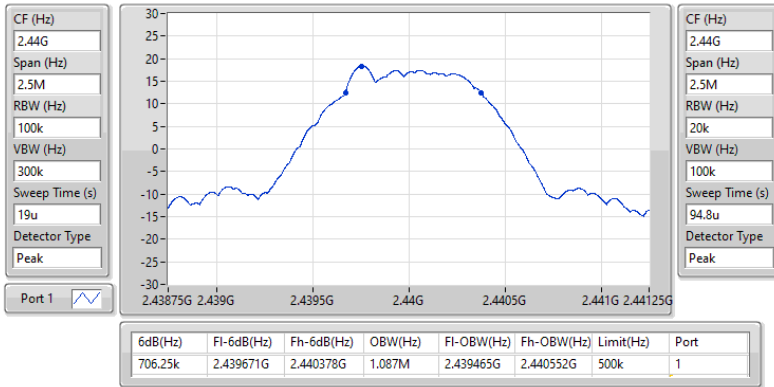
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	681.25k	1.042M
2440MHz	Pass	500k	706.25k	1.087M
2480MHz	Pass	500k	685k	1.076M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.343M	2.101M
2440MHz	Pass	500k	907.5k	2.119M
2480MHz	Pass	500k	1.183M	2.114M
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	500k	707.5k	1.064M
2440MHz	Pass	500k	718.75k	1.082M
2480MHz	Pass	500k	725k	1.113M
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	500k	671.25k	1.046M
2440MHz	Pass	500k	733.75k	1.061M
2480MHz	Pass	500k	671.25k	1.059M

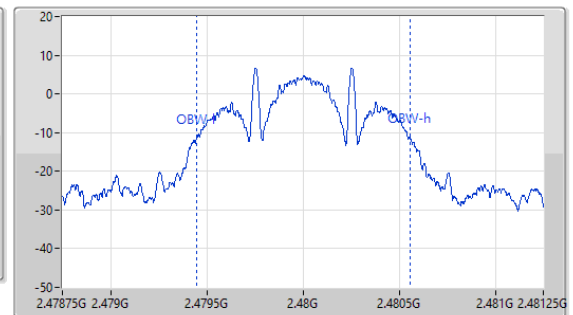
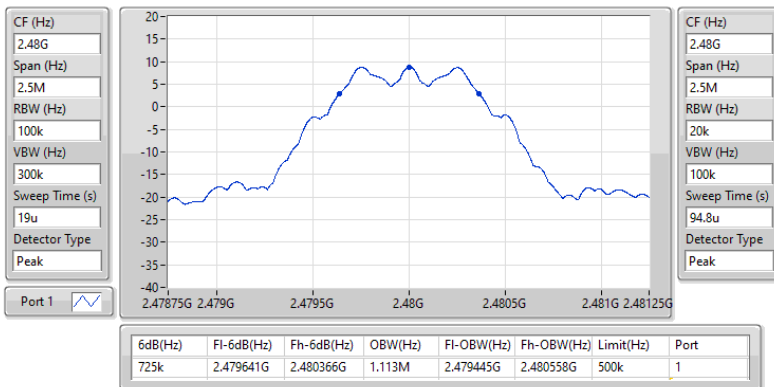
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

20/11/2024

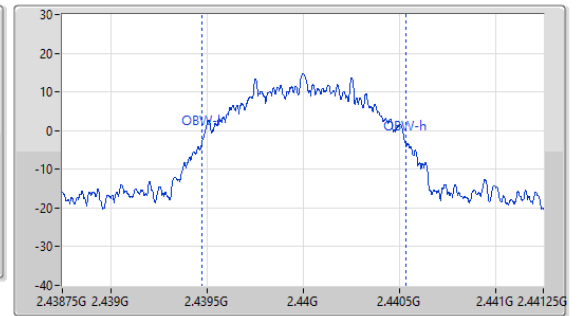
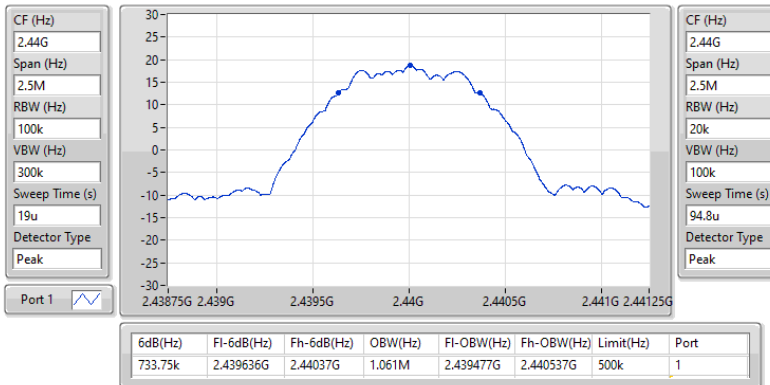

2.4-2.4835GHz_BT-LE(125kbps)
EBW-DTS
2480MHz

20/11/2024

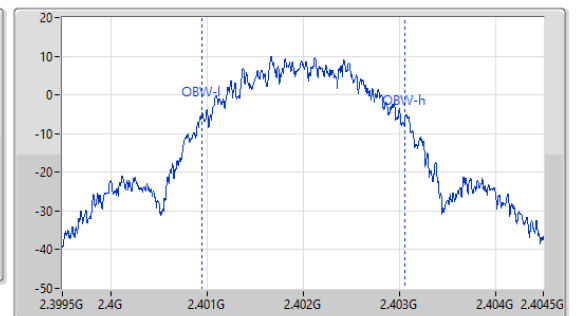
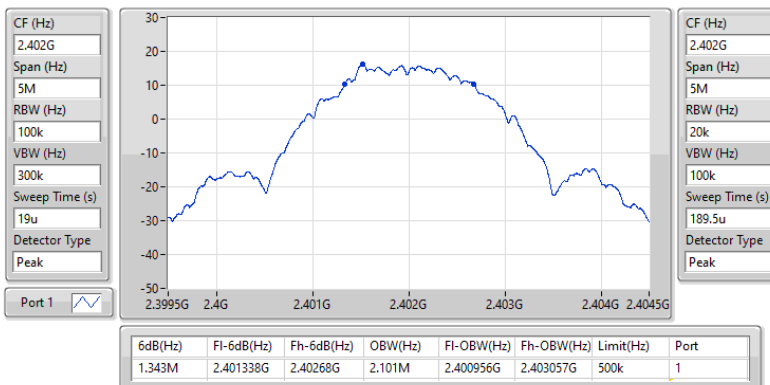


2.4-2.4835GHz_BT-LE(500kbps)
EBW-DTS
2440MHz

20/11/2024


2.4-2.4835GHz_BT-LE(2Mbps)
EBW-DTS
2402MHz

20/11/2024





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	19.70	0.09333
BT-LE(2Mbps)	19.47	0.08851
BT-LE(125kbps)	13.56	0.02270
BT-LE(500kbps)	19.57	0.09057



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.57	19.70	30.00
2440MHz	Pass	4.57	19.50	30.00
2480MHz	Pass	4.57	12.83	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.57	19.47	30.00
2440MHz	Pass	4.57	19.40	30.00
2480MHz	Pass	4.57	12.88	30.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	4.57	13.56	30.00
2440MHz	Pass	4.57	13.09	30.00
2480MHz	Pass	4.57	12.63	30.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	4.57	19.57	30.00
2440MHz	Pass	4.57	19.38	30.00
2480MHz	Pass	4.57	12.87	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)	3.89
BT-LE(2Mbps)	2.22
BT-LE(125kbps)	7.67
BT-LE(500kbps)	6.26

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.57	3.89	8.00
2440MHz	Pass	4.57	3.33	8.00
2480MHz	Pass	4.57	-3.33	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.57	2.22	8.00
2440MHz	Pass	4.57	2.14	8.00
2480MHz	Pass	4.57	-4.55	8.00
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	4.57	7.67	8.00
2440MHz	Pass	4.57	7.19	8.00
2480MHz	Pass	4.57	6.46	8.00
BT-LE(500kbps)	-	-	-	-
2402MHz	Pass	4.57	2.30	8.00
2440MHz	Pass	4.57	1.34	8.00
2480MHz	Pass	4.57	6.26	8.00

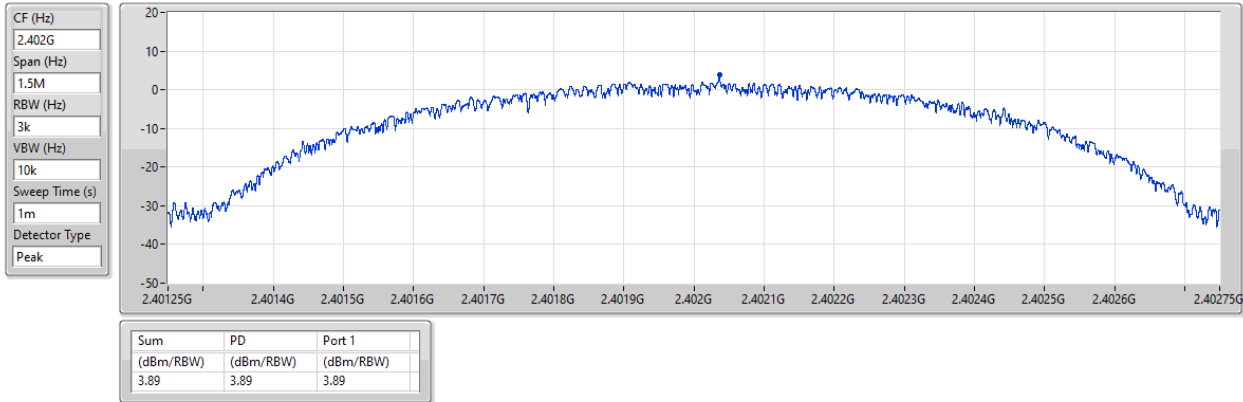
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

2.4-2.4835GHz_BT-LE(1Mbps)

PSD

2402MHz

20/11/2024

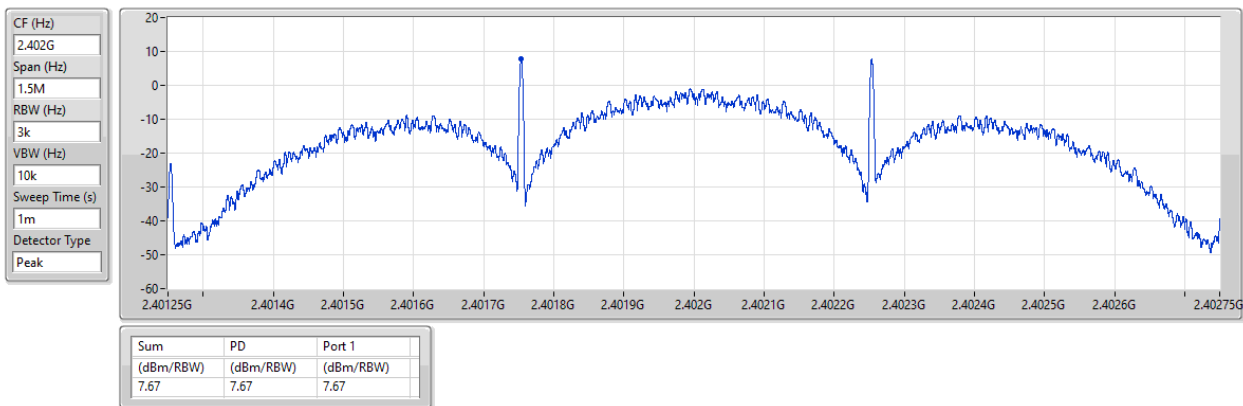


2.4-2.4835GHz_BT-LE(125kbps)

PSD

2402MHz

20/11/2024

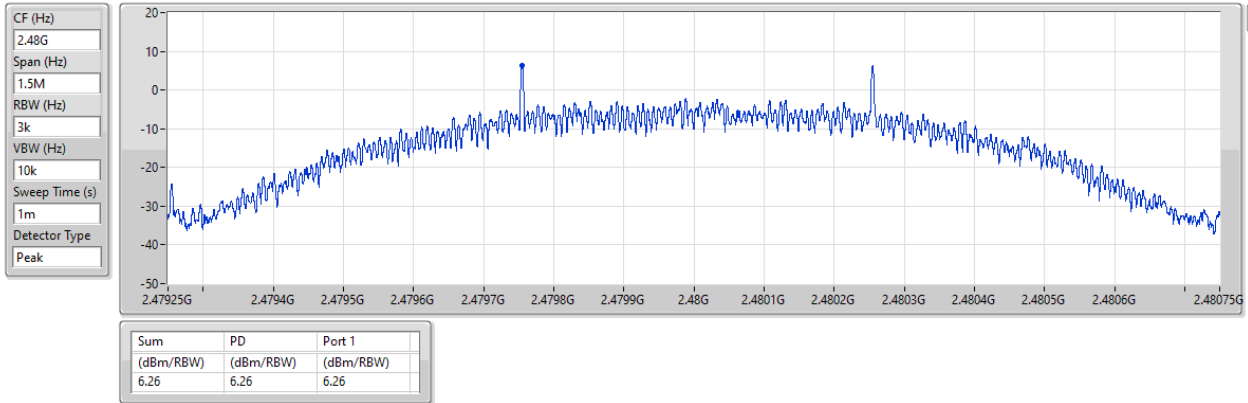


2.4-2.4835GHz_BT-LE(500kbps)

PSD

2480MHz

20/11/2024

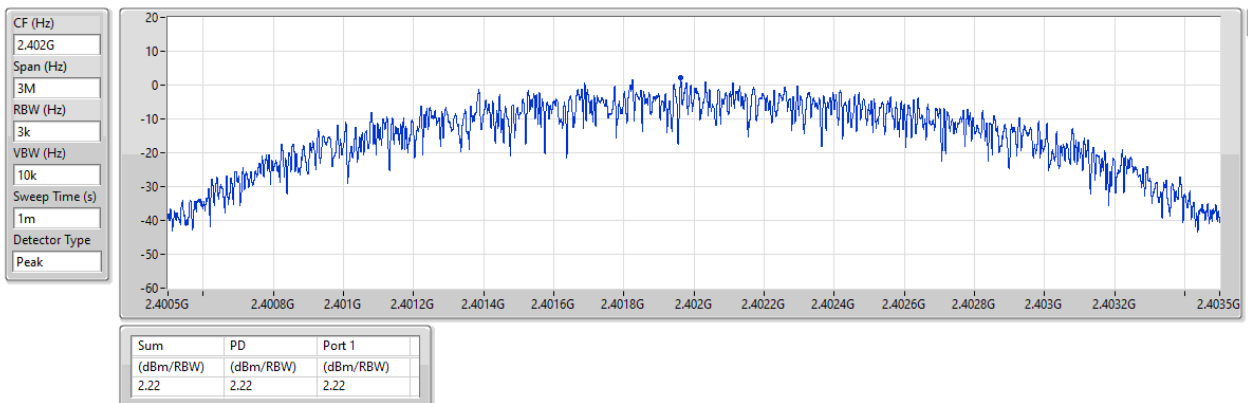


2.4-2.4835GHz_BT-LE(2Mbps)

PSD

2402MHz

20/11/2024





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	2.40217G	19.65	-10.35	1.95465G	-54.86	2.4G	-28.50	2.4G	-26.96	2.50046G	-53.43	16.21512G	-41.96	1
BT-LE(2Mbps)	Pass	2.402G	19.20	-10.80	1.7737G	-54.29	2.4G	-12.35	2.4G	-13.82	2.50002G	-53.71	16.2123G	-41.58	1
BT-LE(125kbps)	Pass	2.40167G	10.09	-19.91	2.3095G	-54.52	2.4G	-39.26	2.4G	-37.39	2.5013G	-53.77	24.64568G	-41.64	1
BT-LE(500kbps)	Pass	2.40167G	19.62	-10.38	2.1497G	-54.88	2.4G	-28.07	2.4G	-23.36	2.5005G	-53.71	24.83971G	-41.93	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	2.40217G	19.65	-10.35	1.95465G	-54.86	2.4G	-28.50	2.4G	-26.96	2.50046G	-53.43	16.21512G	-41.96	1
2440MHz	Pass	2.40217G	19.65	-10.35	2.30598G	-54.05	2.39352G	-53.11	2.4G	-55.60	2.50086G	-53.48	23.19184G	-41.80	1
2480MHz	Pass	2.40217G	19.65	-10.35	1.9476G	-55.28	2.39748G	-54.49	2.4G	-54.71	2.5003G	-53.94	24.11982G	-41.96	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	19.20	-10.80	1.7737G	-54.29	2.4G	-12.35	2.4G	-13.82	2.50002G	-53.71	16.2123G	-41.58	1
2440MHz	Pass	2.402G	19.20	-10.80	2.1121G	-54.55	2.39904G	-52.52	2.4G	-54.55	2.50074G	-53.76	15.22246G	-41.98	1
2480MHz	Pass	2.402G	19.20	-10.80	2.14383G	-55.86	2.3914G	-53.82	2.4G	-54.78	2.5021G	-53.51	17.61552G	-40.23	1
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40167G	10.09	-19.91	2.3095G	-54.52	2.4G	-39.26	2.4G	-37.39	2.5013G	-53.77	24.64568G	-41.64	1
2440MHz	Pass	2.40167G	10.09	-19.91	1.84303G	-55.28	2.39216G	-54.19	2.4G	-56.73	2.50222G	-53.73	24.58944G	-41.69	1
2480MHz	Pass	2.40167G	10.09	-19.91	2.19318G	-55.15	2.3968G	-53.76	2.4G	-55.47	2.50086G	-53.29	24.49383G	-42.10	1
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40167G	19.62	-10.38	2.1497G	-54.88	2.4G	-28.07	2.4G	-23.36	2.5005G	-53.71	24.83971G	-41.93	1
2440MHz	Pass	2.40167G	19.62	-10.38	1.74668G	-53.70	2.3948G	-53.24	2.4G	-55.40	2.50038G	-53.18	21.79425G	-41.87	1
2480MHz	Pass	2.40167G	19.62	-10.38	2.09095G	-54.77	2.3984G	-54.09	2.4G	-55.56	2.5027G	-53.60	24.56694G	-41.95	1

2.4-2.4835GHz_BT-LE(1Mbps)

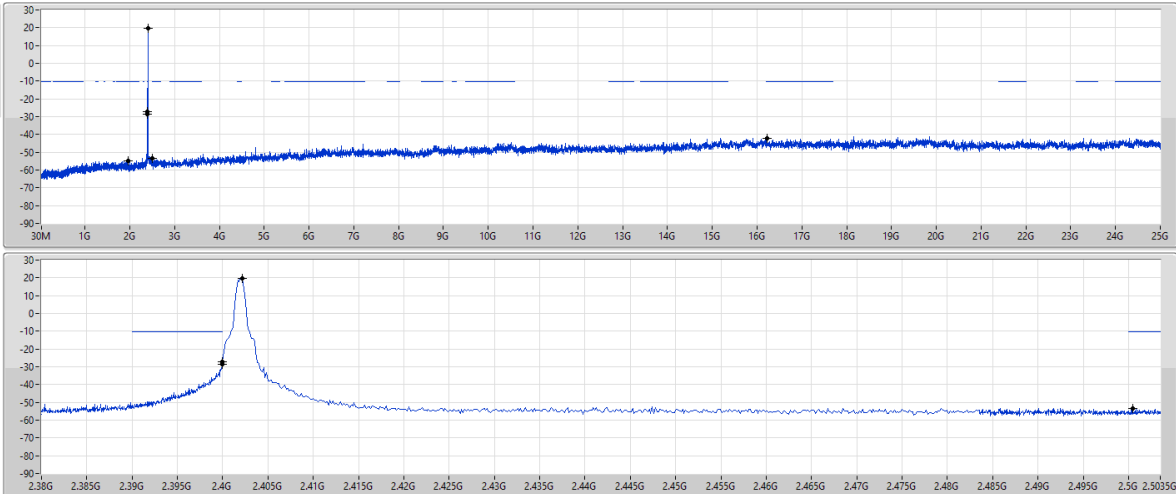
CSEndB-DTS

2402MHz

20/11/2024

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Port 1



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
2.40217G	19.65	-10.35	1.95465G	-54.86	2.4G	-28.50	2.4G	-26.96	2.50046G	-53.43	16.21512G	-41.96	1

2.4-2.4835GHz_BT-LE(125kbps)

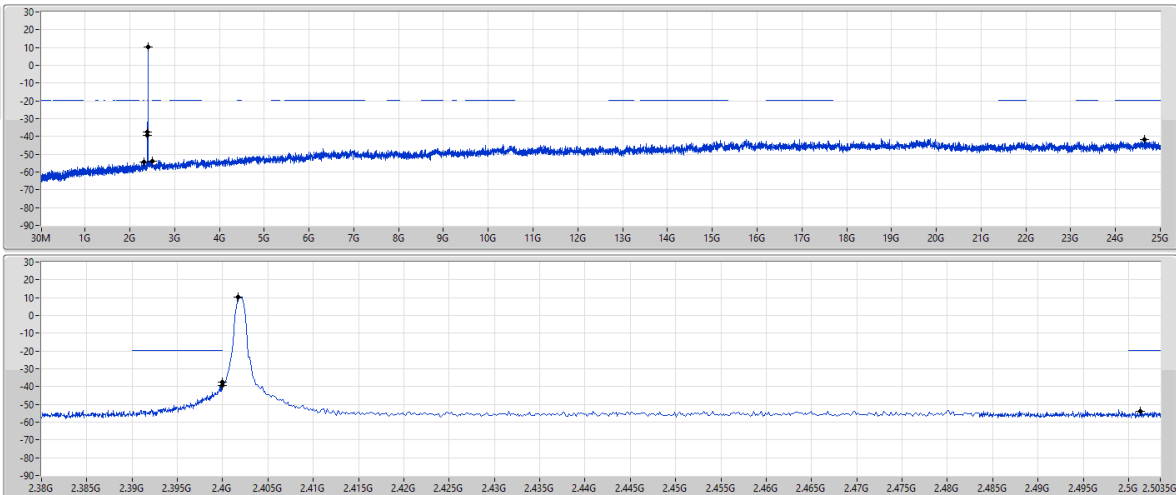
CSEndB-DTS

2402MHz

20/11/2024

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Port 1

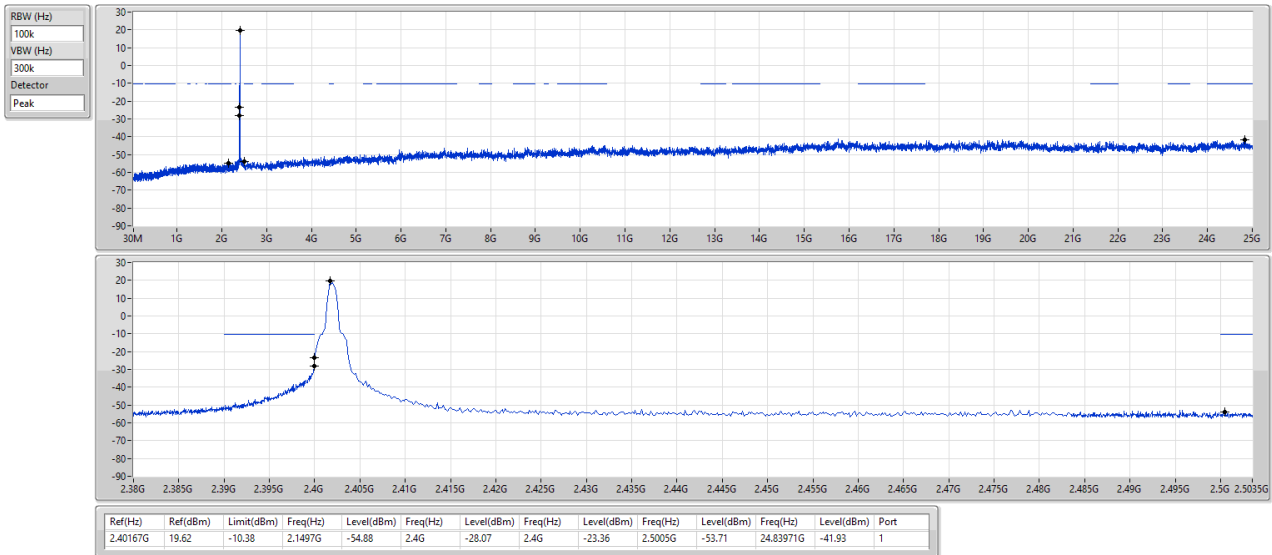


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40167G	10.09	-19.91	2.3095G	-54.52	2.4G	-39.26	2.4G	-37.39	2.5013G	-53.77	24.64568G	-41.64	1

2.4-2.4835GHz_BT-LE(500kbps)

CSEndB-DTS

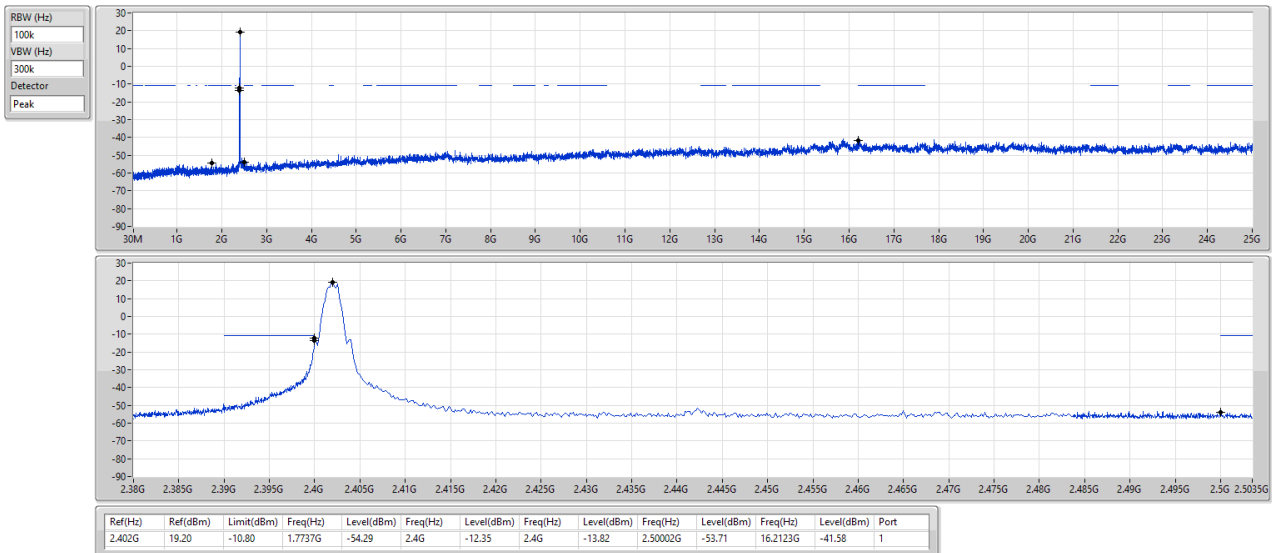
2402MHz



2.4-2.4835GHz_BT-LE(2Mbps)

CSEndB-DTS

2402MHz





Summary

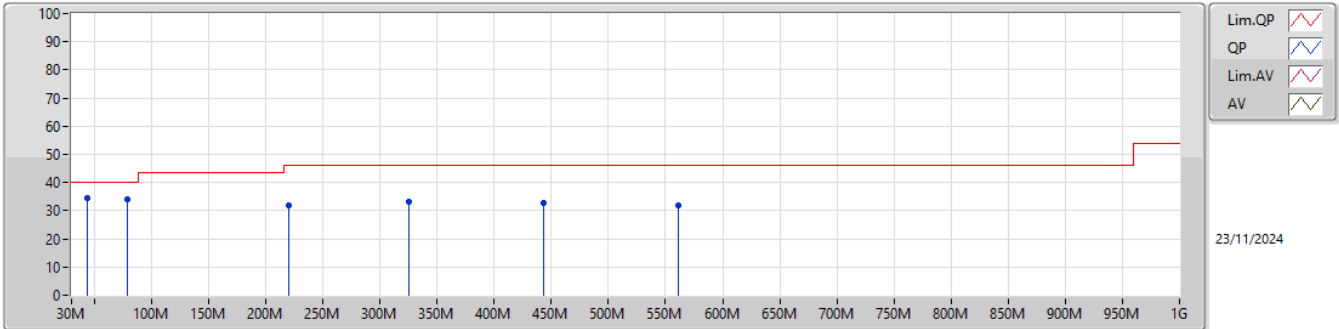
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	QP	44.25M	34.69	40.00	-5.31	3	Vertical	263	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2440MHz_PoE	Pass	PK	78.5M	33.98	40.00	-6.02	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	220.12M	31.78	46.00	-14.22	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	324.88M	33.00	46.00	-13.00	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	443.22M	32.75	46.00	-13.25	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	561.56M	31.71	46.00	-14.29	3	Vertical	360	1.00
2440MHz_PoE	Pass	QP	44.25M	34.69	40.00	-5.31	3	Vertical	263	1.00
2440MHz_PoE	Pass	PK	35.82M	32.08	40.00	-7.92	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	111.48M	23.91	43.50	-19.59	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	222.06M	29.60	46.00	-16.40	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	328.76M	35.88	46.00	-10.12	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	470.38M	35.53	46.00	-10.47	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	658.56M	31.83	46.00	-14.17	3	Horizontal	0	1.00

2.4-2.4835GHz_BT-LE(2Mbps)

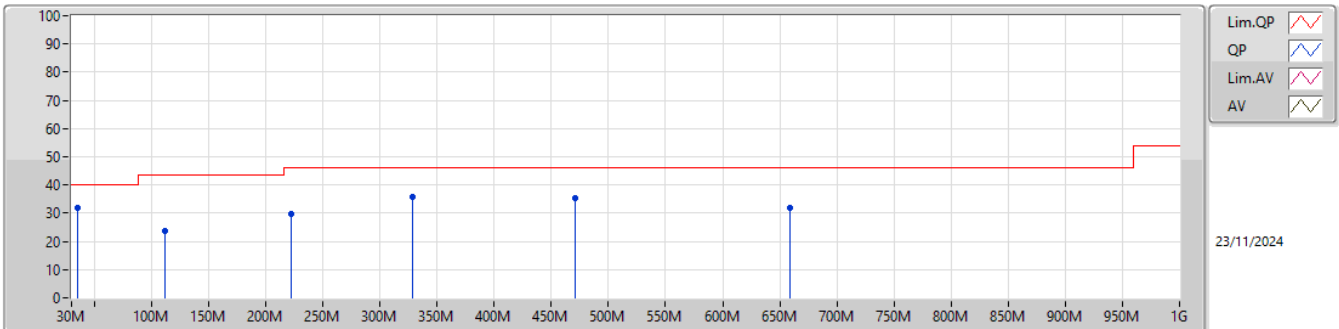
2440MHz_PoE



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	78.5M	33.98	40.00	-6.02	-30.32	3	Vertical	360	1.00	64.30	13.34	1.04	44.70
PK	220.12M	31.78	46.00	-14.22	-27.37	3	Vertical	360	1.00	59.15	15.43	1.70	44.50
PK	324.88M	33.00	46.00	-13.00	-22.42	3	Vertical	360	1.00	55.42	19.76	2.10	44.28
PK	443.22M	32.75	46.00	-13.25	-18.60	3	Vertical	360	1.00	51.35	23.06	2.38	44.04
PK	561.56M	31.71	46.00	-14.29	-14.55	3	Vertical	360	1.00	46.26	26.68	2.72	43.95
QP	44.25M	34.69	40.00	-5.31	-26.21	3	Vertical	263	1.00	60.90	17.57	0.79	44.57

2.4-2.4835GHz_BT-LE(2Mbps)

2440MHz_PoE



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	35.82M	32.08	40.00	-7.92	-21.80	3	Horizontal	0	1.00	53.88	21.83	0.80	44.43
PK	111.48M	23.91	43.50	-19.59	-26.22	3	Horizontal	0	1.00	50.13	17.16	1.23	44.61
PK	222.06M	29.60	46.00	-16.40	-27.17	3	Horizontal	0	1.00	56.77	15.63	1.70	44.50
PK	328.76M	35.88	46.00	-10.12	-22.25	3	Horizontal	0	1.00	58.13	19.90	2.12	44.27
PK	470.38M	35.53	46.00	-10.47	-17.87	3	Horizontal	0	1.00	53.40	23.63	2.50	44.00
PK	658.56M	31.83	46.00	-14.17	-14.54	3	Horizontal	0	1.00	46.37	26.48	2.92	43.94

**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(125kbps)	Pass	AV	2.4835G	50.07	54.00	-3.93	3	Horizontal	23	1.50
BT-LE(500kbps)	Pass	AV	2.4835G	50.24	54.00	-3.76	3	Horizontal	25	1.50
BT-LE(1Mbps)	Pass	AV	2.4835G	50.59	54.00	-3.41	3	Horizontal	24	1.50
BT-LE(2Mbps)	Pass	AV	2.4835G	53.82	54.00	-0.18	3	Horizontal	23	1.50

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	2.3898G	46.70	54.00	-7.30	3	Vertical	227	1.17
2402MHz	Pass	AV	2.402G	111.39	Inf	-Inf	3	Vertical	227	1.17
2402MHz	Pass	PK	2.3866G	58.26	74.00	-15.74	3	Vertical	227	1.17
2402MHz	Pass	PK	2.402G	112.36	Inf	-Inf	3	Vertical	227	1.17
2402MHz	Pass	AV	2.3898G	47.76	54.00	-6.24	3	Horizontal	319	1.14
2402MHz	Pass	AV	2.402G	115.03	Inf	-Inf	3	Horizontal	319	1.14
2402MHz	Pass	PK	2.3836G	58.35	74.00	-15.65	3	Horizontal	319	1.14
2402MHz	Pass	PK	2.4018G	115.98	Inf	-Inf	3	Horizontal	319	1.14
2402MHz	Pass	AV	4.80396G	45.22	54.00	-8.78	3	Vertical	329	1.50
2402MHz	Pass	PK	4.8038G	51.63	74.00	-22.37	3	Vertical	329	1.50
2402MHz	Pass	AV	4.80404G	46.27	54.00	-7.73	3	Horizontal	47	1.50
2402MHz	Pass	PK	4.80352G	52.63	74.00	-21.37	3	Horizontal	47	1.50
2440MHz	Pass	AV	2.3832G	46.53	54.00	-7.47	3	Vertical	302	1.50
2440MHz	Pass	AV	2.44G	110.54	Inf	-Inf	3	Vertical	302	1.50
2440MHz	Pass	AV	2.4908G	47.26	54.00	-6.74	3	Vertical	302	1.50
2440MHz	Pass	PK	2.3468G	58.31	74.00	-15.69	3	Vertical	302	1.50
2440MHz	Pass	PK	2.4396G	111.56	Inf	-Inf	3	Vertical	302	1.50
2440MHz	Pass	PK	2.484G	58.63	74.00	-15.37	3	Vertical	302	1.50
2440MHz	Pass	AV	2.3532G	46.71	54.00	-7.29	3	Horizontal	320	1.00
2440MHz	Pass	AV	2.44G	114.98	Inf	-Inf	3	Horizontal	320	1.00
2440MHz	Pass	AV	2.4908G	47.33	54.00	-6.67	3	Horizontal	320	1.00
2440MHz	Pass	PK	2.3796G	58.41	74.00	-15.59	3	Horizontal	320	1.00
2440MHz	Pass	PK	2.4396G	116.06	Inf	-Inf	3	Horizontal	320	1.00
2440MHz	Pass	PK	2.4992G	58.84	74.00	-15.16	3	Horizontal	320	1.00
2440MHz	Pass	AV	4.87993G	45.72	54.00	-8.28	3	Vertical	321	1.76
2440MHz	Pass	AV	7.32067G	39.25	54.00	-14.75	3	Vertical	27	1.67
2440MHz	Pass	PK	4.87961G	52.13	74.00	-21.87	3	Vertical	321	1.76
2440MHz	Pass	PK	7.32103G	51.65	74.00	-22.35	3	Vertical	27	1.67
2440MHz	Pass	AV	4.87986G	48.65	54.00	-5.35	3	Horizontal	58	1.96
2440MHz	Pass	AV	7.32074G	39.54	54.00	-14.46	3	Horizontal	74	1.50
2440MHz	Pass	PK	4.87948G	56.26	74.00	-17.74	3	Horizontal	58	1.96
2440MHz	Pass	PK	7.32007G	51.07	74.00	-22.93	3	Horizontal	74	1.50
2480MHz	Pass	AV	2.48G	105.30	Inf	-Inf	3	Vertical	205	1.32
2480MHz	Pass	AV	2.4835G	49.80	54.00	-4.20	3	Vertical	205	1.32
2480MHz	Pass	PK	2.48G	106.31	Inf	-Inf	3	Vertical	205	1.32
2480MHz	Pass	PK	2.4835G	62.37	74.00	-11.63	3	Vertical	205	1.32
2480MHz	Pass	AV	2.48G	106.48	Inf	-Inf	3	Horizontal	24	1.50
2480MHz	Pass	AV	2.4835G	50.59	54.00	-3.41	3	Horizontal	24	1.50
2480MHz	Pass	PK	2.4798G	107.84	Inf	-Inf	3	Horizontal	24	1.50
2480MHz	Pass	PK	2.4838G	63.20	74.00	-10.80	3	Horizontal	24	1.50
2480MHz	Pass	AV	4.95961G	33.92	54.00	-20.08	3	Vertical	8	1.50
2480MHz	Pass	AV	7.44148G	38.54	54.00	-15.46	3	Vertical	99	1.50
2480MHz	Pass	PK	4.95969G	45.45	74.00	-28.55	3	Vertical	8	1.50
2480MHz	Pass	PK	7.44045G	50.80	74.00	-23.20	3	Vertical	99	1.50
2480MHz	Pass	AV	4.9601G	34.53	54.00	-19.47	3	Horizontal	360	1.00
2480MHz	Pass	AV	7.44001G	38.55	54.00	-15.45	3	Horizontal	304	1.50
2480MHz	Pass	PK	4.95951G	45.89	74.00	-28.11	3	Horizontal	360	1.00
2480MHz	Pass	PK	7.4392G	50.38	74.00	-23.62	3	Horizontal	304	1.50
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.389G	46.48	54.00	-7.52	3	Vertical	234	1.15
2402MHz	Pass	AV	2.402G	109.31	Inf	-Inf	3	Vertical	234	1.15
2402MHz	Pass	PK	2.389G	58.75	74.00	-15.25	3	Vertical	234	1.15
2402MHz	Pass	PK	2.4024G	111.66	Inf	-Inf	3	Vertical	234	1.15
2402MHz	Pass	AV	2.39G	47.54	54.00	-6.46	3	Horizontal	319	1.15
2402MHz	Pass	AV	2.402G	113.47	Inf	-Inf	3	Horizontal	319	1.15
2402MHz	Pass	PK	2.3898G	58.32	74.00	-15.68	3	Horizontal	319	1.15
2402MHz	Pass	PK	2.402G	115.82	Inf	-Inf	3	Horizontal	319	1.15
2402MHz	Pass	AV	4.80484G	34.29	54.00	-19.71	3	Vertical	331	1.49
2402MHz	Pass	PK	4.80462G	46.38	74.00	-27.62	3	Vertical	331	1.49
2402MHz	Pass	AV	4.80464G	34.35	54.00	-19.65	3	Horizontal	46	1.50

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2402MHz	Pass	PK	4.8044G	45.78	74.00	-28.22	3	Horizontal	46	1.50
2440MHz	Pass	AV	2.3892G	46.46	54.00	-7.54	3	Vertical	300	1.68
2440MHz	Pass	AV	2.44G	109.44	Inf	-Inf	3	Vertical	300	1.68
2440MHz	Pass	AV	2.4924G	47.17	54.00	-6.83	3	Vertical	300	1.68
2440MHz	Pass	PK	2.3444G	57.81	74.00	-16.19	3	Vertical	300	1.68
2440MHz	Pass	PK	2.4396G	111.95	Inf	-Inf	3	Vertical	300	1.68
2440MHz	Pass	PK	2.4972G	58.91	74.00	-15.09	3	Vertical	300	1.68
2440MHz	Pass	AV	2.3544G	46.41	54.00	-7.59	3	Horizontal	320	1.00
2440MHz	Pass	AV	2.44G	113.75	Inf	-Inf	3	Horizontal	320	1.00
2440MHz	Pass	AV	2.494G	47.26	54.00	-6.74	3	Horizontal	320	1.00
2440MHz	Pass	PK	2.3492G	58.63	74.00	-15.37	3	Horizontal	320	1.00
2440MHz	Pass	PK	2.4396G	116.18	Inf	-Inf	3	Horizontal	320	1.00
2440MHz	Pass	PK	2.4924G	58.61	74.00	-15.39	3	Horizontal	320	1.00
2440MHz	Pass	AV	4.88086G	47.17	54.00	-6.83	3	Vertical	13	1.43
2440MHz	Pass	AV	7.32127G	44.57	54.00	-9.43	3	Vertical	346	2.43
2440MHz	Pass	PK	4.881G	54.88	74.00	-19.12	3	Vertical	13	1.43
2440MHz	Pass	PK	7.31853G	54.70	74.00	-19.30	3	Vertical	346	2.43
2440MHz	Pass	AV	4.88091G	46.04	54.00	-7.96	3	Horizontal	360	1.00
2440MHz	Pass	AV	7.32145G	41.71	54.00	-12.29	3	Horizontal	302	1.05
2440MHz	Pass	PK	4.88102G	54.15	74.00	-19.85	3	Horizontal	360	1.00
2440MHz	Pass	PK	7.32153G	52.94	74.00	-21.06	3	Horizontal	302	1.05
2480MHz	Pass	AV	2.48G	103.97	Inf	-Inf	3	Vertical	223	1.33
2480MHz	Pass	AV	2.4835G	52.52	54.00	-1.48	3	Vertical	223	1.33
2480MHz	Pass	PK	2.4794G	106.39	Inf	-Inf	3	Vertical	223	1.33
2480MHz	Pass	PK	2.4835G	64.52	74.00	-9.48	3	Vertical	223	1.33
2480MHz	Pass	AV	2.48G	105.34	Inf	-Inf	3	Horizontal	23	1.50
2480MHz	Pass	AV	2.4835G	53.82	54.00	-0.18	3	Horizontal	23	1.50
2480MHz	Pass	PK	2.4796G	107.75	Inf	-Inf	3	Horizontal	23	1.50
2480MHz	Pass	PK	2.4836G	64.33	74.00	-9.67	3	Horizontal	23	1.50
2480MHz	Pass	AV	4.96084G	34.35	54.00	-19.65	3	Vertical	9	3.00
2480MHz	Pass	AV	7.43874G	38.53	54.00	-15.47	3	Vertical	287	1.26
2480MHz	Pass	PK	4.95899G	45.83	74.00	-28.17	3	Vertical	9	3.00
2480MHz	Pass	PK	7.44103G	51.11	74.00	-22.89	3	Vertical	287	1.26
2480MHz	Pass	AV	4.96101G	34.03	54.00	-19.97	3	Horizontal	353	1.34
2480MHz	Pass	AV	7.43876G	38.46	54.00	-15.54	3	Horizontal	252	1.50
2480MHz	Pass	PK	4.96133G	45.27	74.00	-28.73	3	Horizontal	353	1.34
2480MHz	Pass	PK	7.4418G	50.43	74.00	-23.57	3	Horizontal	252	1.50
BT-LE(500kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3878G	46.07	54.00	-7.93	3	Vertical	234	1.16
2402MHz	Pass	AV	2.402G	110.67	Inf	-Inf	3	Vertical	234	1.16
2402MHz	Pass	PK	2.3712G	58.43	74.00	-15.57	3	Vertical	234	1.16
2402MHz	Pass	PK	2.402G	111.72	Inf	-Inf	3	Vertical	234	1.16
2402MHz	Pass	AV	2.39G	46.86	54.00	-7.14	3	Horizontal	320	1.15
2402MHz	Pass	AV	2.402G	114.86	Inf	-Inf	3	Horizontal	320	1.15
2402MHz	Pass	PK	2.3838G	58.45	74.00	-15.55	3	Horizontal	320	1.15
2402MHz	Pass	PK	2.4018G	115.87	Inf	-Inf	3	Horizontal	320	1.15
2402MHz	Pass	AV	4.80393G	40.82	54.00	-13.18	3	Vertical	59	1.07
2402MHz	Pass	PK	4.80459G	49.28	74.00	-24.72	3	Vertical	59	1.07
2402MHz	Pass	AV	4.80397G	40.30	54.00	-13.70	3	Horizontal	313	1.99
2402MHz	Pass	PK	4.80452G	48.95	74.00	-25.05	3	Horizontal	313	1.99
2440MHz	Pass	AV	2.3892G	45.96	54.00	-8.04	3	Vertical	291	1.56
2440MHz	Pass	AV	2.44G	110.61	Inf	-Inf	3	Vertical	291	1.56
2440MHz	Pass	AV	2.4908G	46.73	54.00	-7.27	3	Vertical	291	1.56
2440MHz	Pass	PK	2.3588G	58.15	74.00	-15.85	3	Vertical	291	1.56
2440MHz	Pass	PK	2.4396G	111.60	Inf	-Inf	3	Vertical	291	1.56
2440MHz	Pass	PK	2.49G	58.76	74.00	-15.24	3	Vertical	291	1.56
2440MHz	Pass	AV	2.3884G	46.12	54.00	-7.88	3	Horizontal	323	1.01
2440MHz	Pass	AV	2.44G	114.98	Inf	-Inf	3	Horizontal	323	1.01
2440MHz	Pass	AV	2.4856G	46.83	54.00	-7.17	3	Horizontal	323	1.01
2440MHz	Pass	PK	2.39G	58.40	74.00	-15.60	3	Horizontal	323	1.01
2440MHz	Pass	PK	2.4396G	116.07	Inf	-Inf	3	Horizontal	323	1.01
2440MHz	Pass	PK	2.492G	59.13	74.00	-14.87	3	Horizontal	323	1.01

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2440MHz	Pass	AV	4.88003G	41.74	54.00	-12.26	3	Vertical	57	1.00
2440MHz	Pass	AV	7.32063G	44.01	54.00	-9.99	3	Vertical	28	1.50
2440MHz	Pass	PK	4.8801G	49.55	74.00	-24.45	3	Vertical	57	1.00
2440MHz	Pass	PK	7.32085G	54.57	74.00	-19.43	3	Vertical	28	1.50
2440MHz	Pass	AV	4.8801G	44.39	54.00	-9.61	3	Horizontal	314	2.06
2440MHz	Pass	AV	7.3206G	45.01	54.00	-8.99	3	Horizontal	292	1.00
2440MHz	Pass	PK	4.88049G	51.21	74.00	-22.79	3	Horizontal	314	2.06
2440MHz	Pass	PK	7.32074G	54.85	74.00	-19.15	3	Horizontal	292	1.00
2480MHz	Pass	AV	2.48G	105.40	Inf	-Inf	3	Vertical	223	1.34
2480MHz	Pass	AV	2.4835G	49.44	54.00	-4.56	3	Vertical	223	1.34
2480MHz	Pass	PK	2.4798G	106.42	Inf	-Inf	3	Vertical	223	1.34
2480MHz	Pass	PK	2.4838G	60.97	74.00	-13.03	3	Vertical	223	1.34
2480MHz	Pass	AV	2.48G	106.56	Inf	-Inf	3	Horizontal	25	1.50
2480MHz	Pass	AV	2.4835G	50.24	54.00	-3.76	3	Horizontal	25	1.50
2480MHz	Pass	PK	2.4798G	107.65	Inf	-Inf	3	Horizontal	25	1.50
2480MHz	Pass	PK	2.4835G	61.60	74.00	-12.40	3	Horizontal	25	1.50
2480MHz	Pass	AV	4.95992G	34.54	54.00	-19.46	3	Vertical	28	1.08
2480MHz	Pass	AV	7.43948G	38.06	54.00	-15.94	3	Vertical	79	1.50
2480MHz	Pass	PK	4.96033G	46.09	74.00	-27.91	3	Vertical	28	1.08
2480MHz	Pass	PK	7.43752G	50.69	74.00	-23.31	3	Vertical	79	1.50
2480MHz	Pass	AV	4.95975G	34.89	54.00	-19.11	3	Horizontal	354	1.23
2480MHz	Pass	AV	7.4414G	38.00	54.00	-16.00	3	Horizontal	1	1.50
2480MHz	Pass	PK	4.95939G	46.48	74.00	-27.52	3	Horizontal	354	1.23
2480MHz	Pass	PK	7.43881G	50.81	74.00	-23.19	3	Horizontal	1	1.50
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.39G	45.97	54.00	-8.03	3	Vertical	225	1.17
2402MHz	Pass	AV	2.402G	110.37	Inf	-Inf	3	Vertical	225	1.17
2402MHz	Pass	PK	2.3878G	58.77	74.00	-15.23	3	Vertical	225	1.17
2402MHz	Pass	PK	2.4022G	111.56	Inf	-Inf	3	Vertical	225	1.17
2402MHz	Pass	AV	2.3898G	46.74	54.00	-7.26	3	Horizontal	319	1.14
2402MHz	Pass	AV	2.402G	114.96	Inf	-Inf	3	Horizontal	319	1.14
2402MHz	Pass	PK	2.3892G	59.21	74.00	-14.79	3	Horizontal	319	1.14
2402MHz	Pass	PK	2.4018G	116.15	Inf	-Inf	3	Horizontal	319	1.14
2402MHz	Pass	AV	4.80419G	41.27	54.00	-12.73	3	Vertical	61	1.01
2402MHz	Pass	PK	4.80442G	49.87	74.00	-24.13	3	Vertical	61	1.01
2402MHz	Pass	AV	4.80425G	40.67	54.00	-13.33	3	Horizontal	312	1.99
2402MHz	Pass	PK	4.80455G	49.78	74.00	-24.22	3	Horizontal	312	1.99
2440MHz	Pass	AV	2.3852G	45.74	54.00	-8.26	3	Vertical	292	1.55
2440MHz	Pass	AV	2.44G	110.28	Inf	-Inf	3	Vertical	292	1.55
2440MHz	Pass	AV	2.4948G	46.54	54.00	-7.46	3	Vertical	292	1.55
2440MHz	Pass	PK	2.38G	57.96	74.00	-16.04	3	Vertical	292	1.55
2440MHz	Pass	PK	2.4396G	111.54	Inf	-Inf	3	Vertical	292	1.55
2440MHz	Pass	PK	2.484G	58.77	74.00	-15.23	3	Vertical	292	1.55
2440MHz	Pass	AV	2.39G	45.87	54.00	-8.13	3	Horizontal	325	1.00
2440MHz	Pass	AV	2.44G	114.69	Inf	-Inf	3	Horizontal	325	1.00
2440MHz	Pass	AV	2.4952G	46.59	54.00	-7.41	3	Horizontal	325	1.00
2440MHz	Pass	PK	2.362G	58.55	74.00	-15.45	3	Horizontal	325	1.00
2440MHz	Pass	PK	2.4396G	115.96	Inf	-Inf	3	Horizontal	325	1.00
2440MHz	Pass	PK	2.4968G	58.68	74.00	-15.32	3	Horizontal	325	1.00
2440MHz	Pass	AV	4.87977G	41.82	54.00	-12.18	3	Vertical	58	1.03
2440MHz	Pass	AV	7.32063G	46.04	54.00	-7.96	3	Vertical	23	2.17
2440MHz	Pass	PK	4.87942G	50.67	74.00	-23.33	3	Vertical	58	1.03
2440MHz	Pass	PK	7.32052G	55.50	74.00	-18.50	3	Vertical	23	2.17
2440MHz	Pass	AV	4.87997G	43.74	54.00	-10.26	3	Horizontal	311	2.07
2440MHz	Pass	AV	7.32063G	45.67	54.00	-8.33	3	Horizontal	295	1.00
2440MHz	Pass	PK	4.87952G	51.40	74.00	-22.60	3	Horizontal	311	2.07
2440MHz	Pass	PK	7.31942G	55.25	74.00	-18.75	3	Horizontal	295	1.00
2480MHz	Pass	AV	2.48G	104.74	Inf	-Inf	3	Vertical	225	1.32
2480MHz	Pass	AV	2.4835G	49.31	54.00	-4.69	3	Vertical	225	1.32
2480MHz	Pass	PK	2.4798G	105.92	Inf	-Inf	3	Vertical	225	1.32
2480MHz	Pass	PK	2.4835G	62.34	74.00	-11.66	3	Vertical	225	1.32
2480MHz	Pass	AV	2.48G	106.50	Inf	-Inf	3	Horizontal	23	1.50



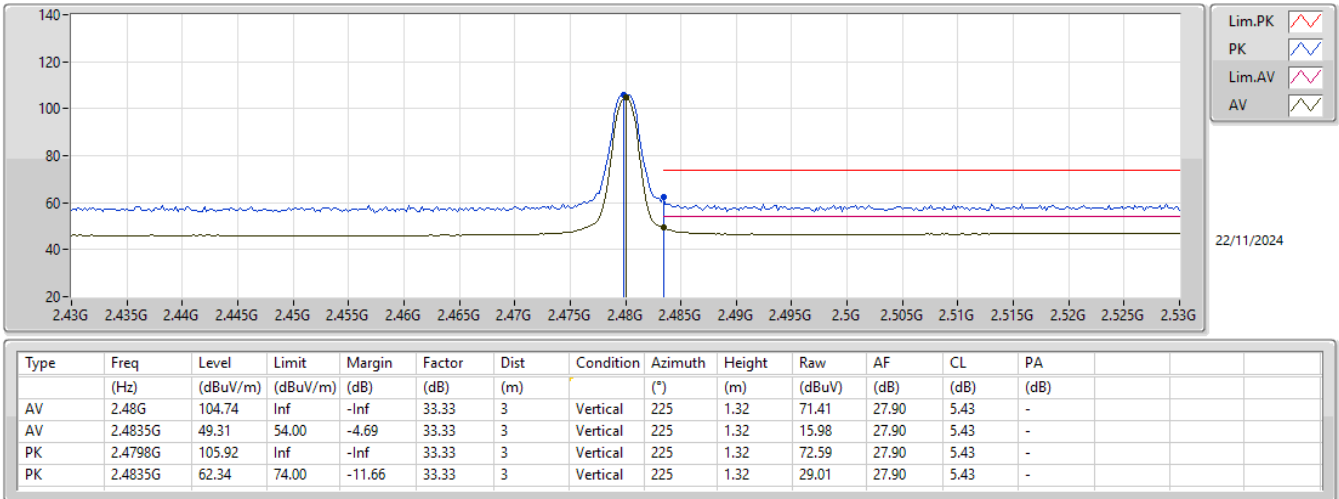
RSE TX above 1GHz

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2480MHz	Pass	AV	2.4835G	50.07	54.00	-3.93	3	Horizontal	23	1.50
2480MHz	Pass	PK	2.4798G	107.71	Inf	-Inf	3	Horizontal	23	1.50
2480MHz	Pass	PK	2.4835G	61.21	74.00	-12.79	3	Horizontal	23	1.50
2480MHz	Pass	AV	4.95961G	33.93	54.00	-20.07	3	Vertical	34	1.12
2480MHz	Pass	AV	7.43937G	37.94	54.00	-16.06	3	Vertical	26	2.23
2480MHz	Pass	PK	4.95974G	45.90	74.00	-28.10	3	Vertical	34	1.12
2480MHz	Pass	PK	7.43838G	50.87	74.00	-23.13	3	Vertical	26	2.23
2480MHz	Pass	AV	4.9596G	34.39	54.00	-19.61	3	Horizontal	351	1.00
2480MHz	Pass	AV	7.44054G	37.81	54.00	-16.19	3	Horizontal	340	1.13
2480MHz	Pass	PK	4.96068G	46.08	74.00	-27.92	3	Horizontal	351	1.00
2480MHz	Pass	PK	7.43958G	51.07	74.00	-22.93	3	Horizontal	340	1.13

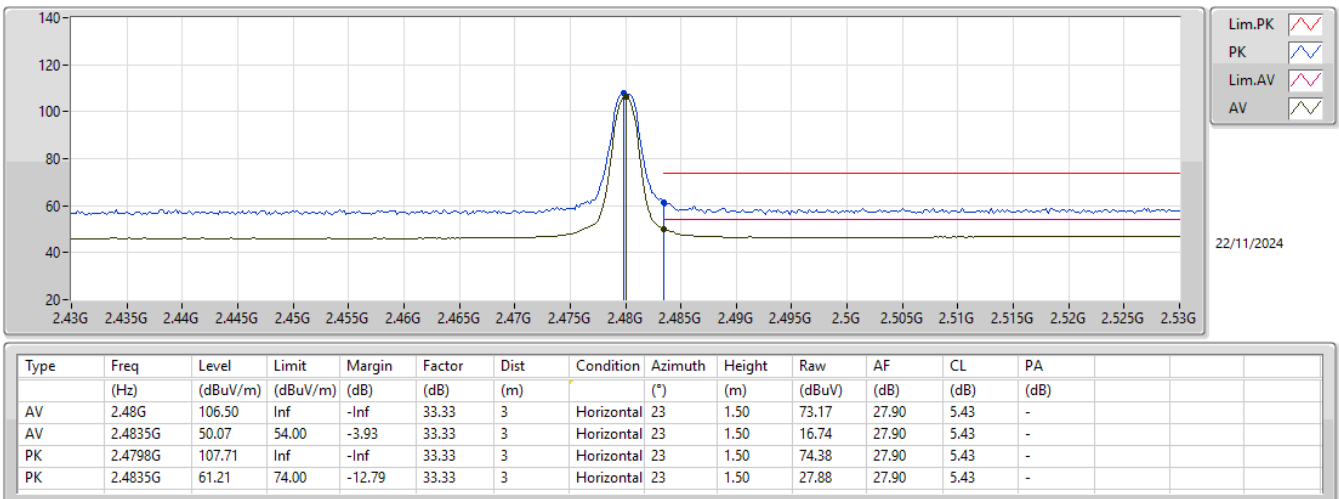
2.4-2.4835GHz_BT-LE(125kbps)

2480MHz_TX



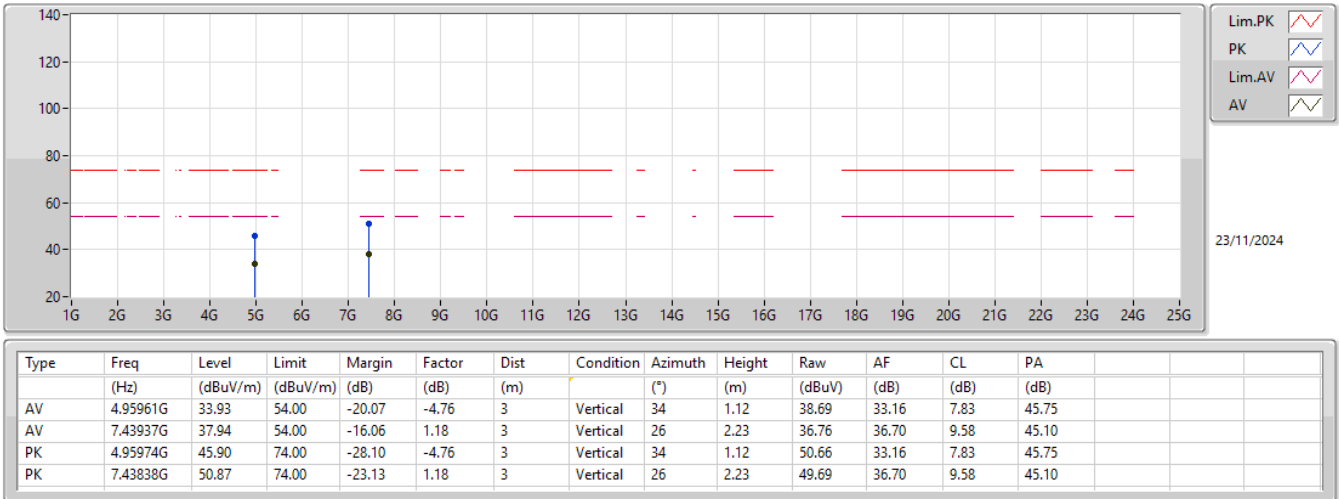
2.4-2.4835GHz_BT-LE(125kbps)

2480MHz_TX



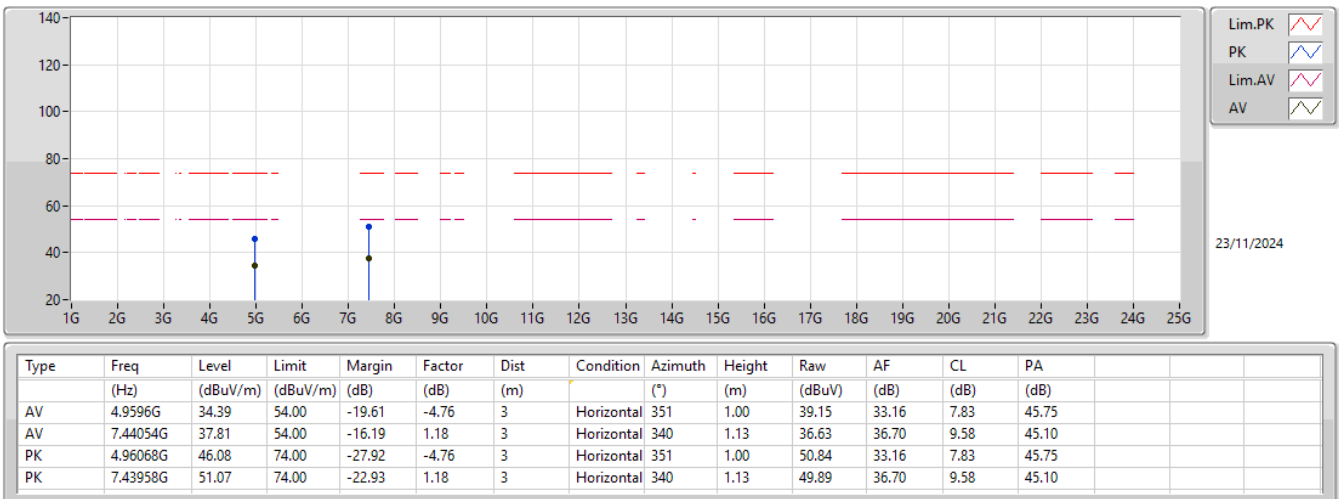
2.4-2.4835GHz_BT-LE(125kbps)

2480MHz_TX



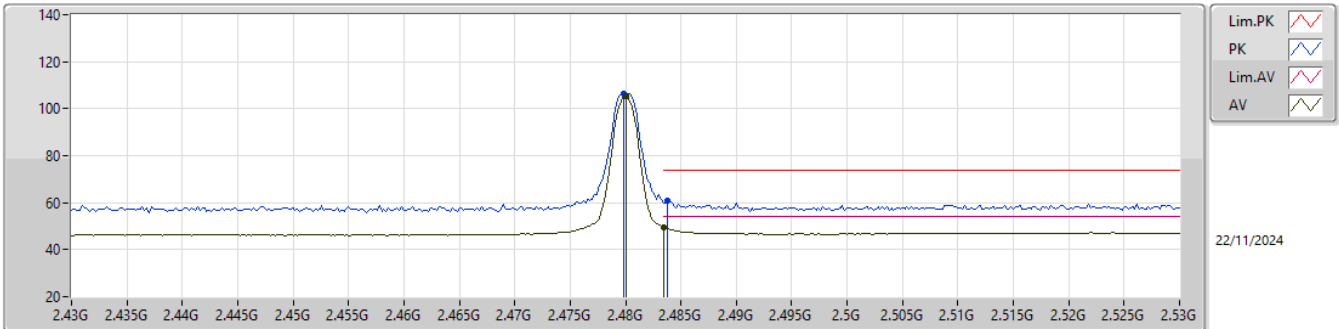
2.4-2.4835GHz_BT-LE(125kbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(500kbps)

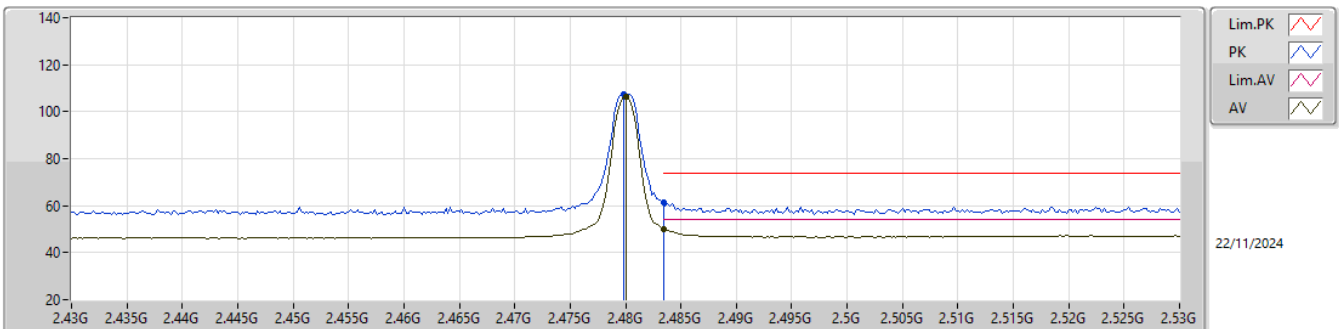
2480MHz_TX



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	105.40	Inf	-Inf	33.33	3	Vertical	223	1.34	72.07	27.90	5.43	-
AV	2.4835G	49.44	54.00	-4.56	33.33	3	Vertical	223	1.34	16.11	27.90	5.43	-
PK	2.4798G	106.42	Inf	-Inf	33.33	3	Vertical	223	1.34	73.09	27.90	5.43	-
PK	2.4838G	60.97	74.00	-13.03	33.34	3	Vertical	223	1.34	27.63	27.90	5.44	-

2.4-2.4835GHz_BT-LE(500kbps)

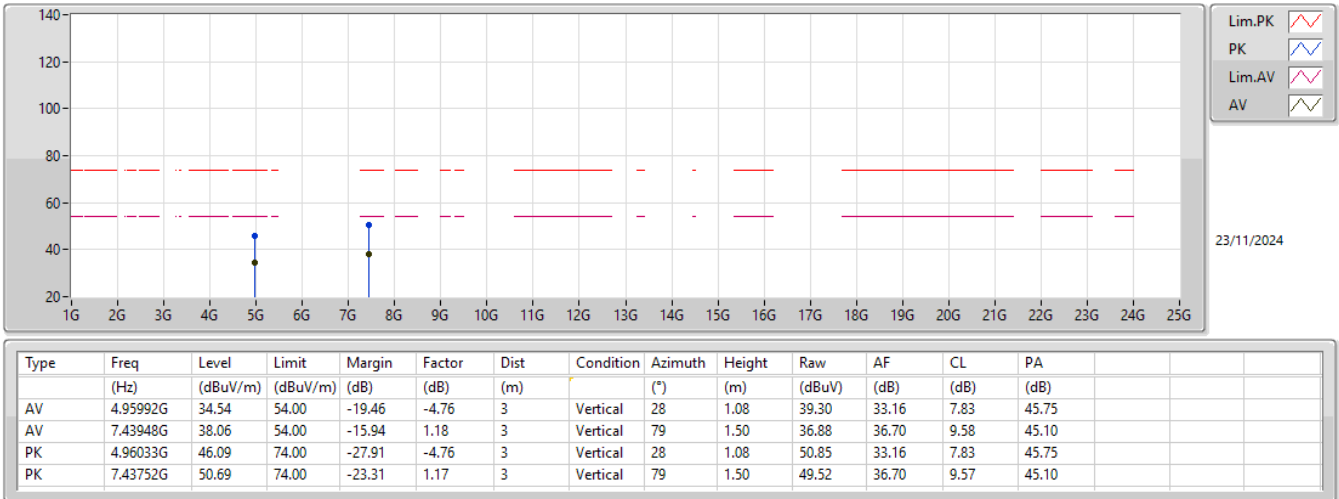
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	106.56	Inf	-Inf	33.33	3	Horizontal	25	1.50	73.23	27.90	5.43	-
AV	2.4835G	50.24	54.00	-3.76	33.33	3	Horizontal	25	1.50	16.91	27.90	5.43	-
PK	2.4798G	107.65	Inf	-Inf	33.33	3	Horizontal	25	1.50	74.32	27.90	5.43	-
PK	2.4835G	61.60	74.00	-12.40	33.33	3	Horizontal	25	1.50	28.27	27.90	5.43	-

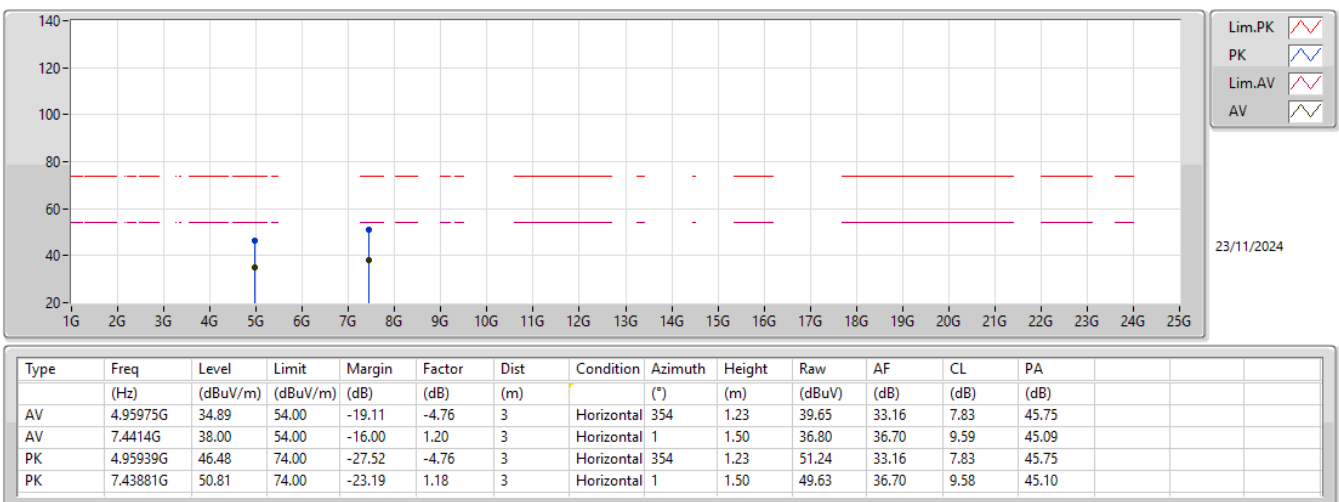
2.4-2.4835GHz_BT-LE(500kbps)

2480MHz_TX



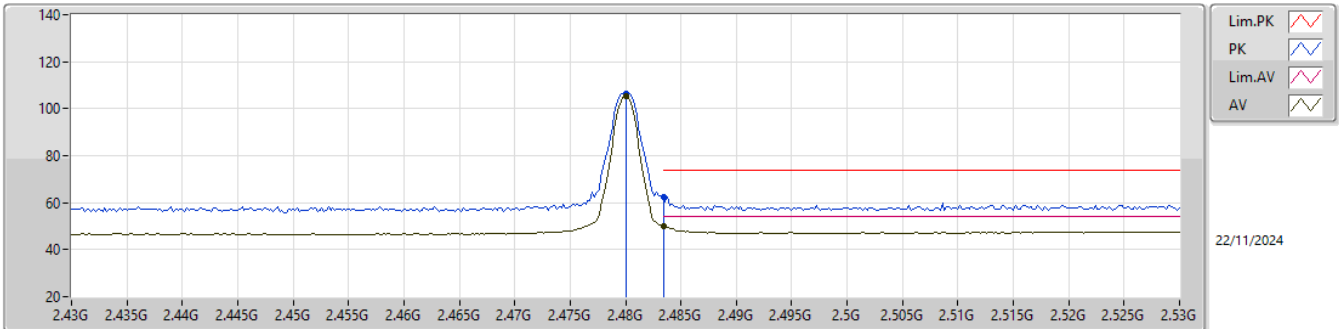
2.4-2.4835GHz_BT-LE(500kbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(1Mbps)

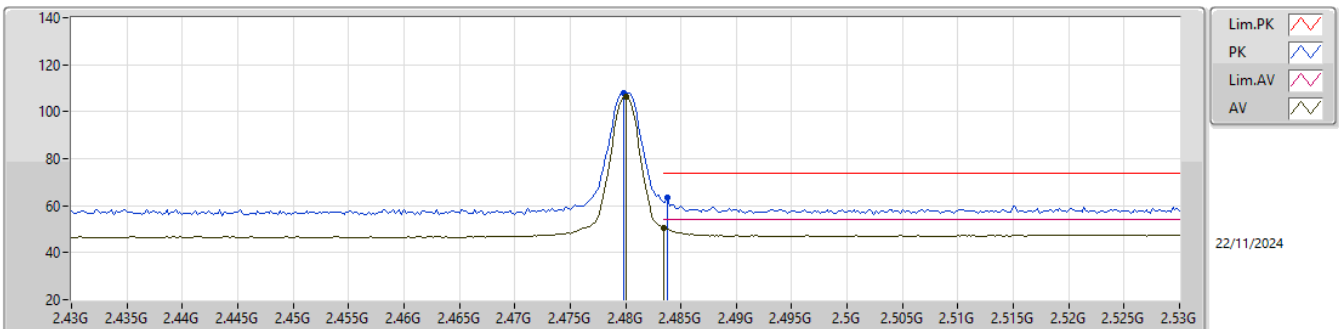
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	105.30	Inf	-Inf	33.33	3	Vertical	205	1.32	71.97	27.90	5.43	-
AV	2.4835G	49.80	54.00	-4.20	33.33	3	Vertical	205	1.32	16.47	27.90	5.43	-
PK	2.48G	106.31	Inf	-Inf	33.33	3	Vertical	205	1.32	72.98	27.90	5.43	-
PK	2.4835G	62.37	74.00	-11.63	33.33	3	Vertical	205	1.32	29.04	27.90	5.43	-

2.4-2.4835GHz_BT-LE(1Mbps)

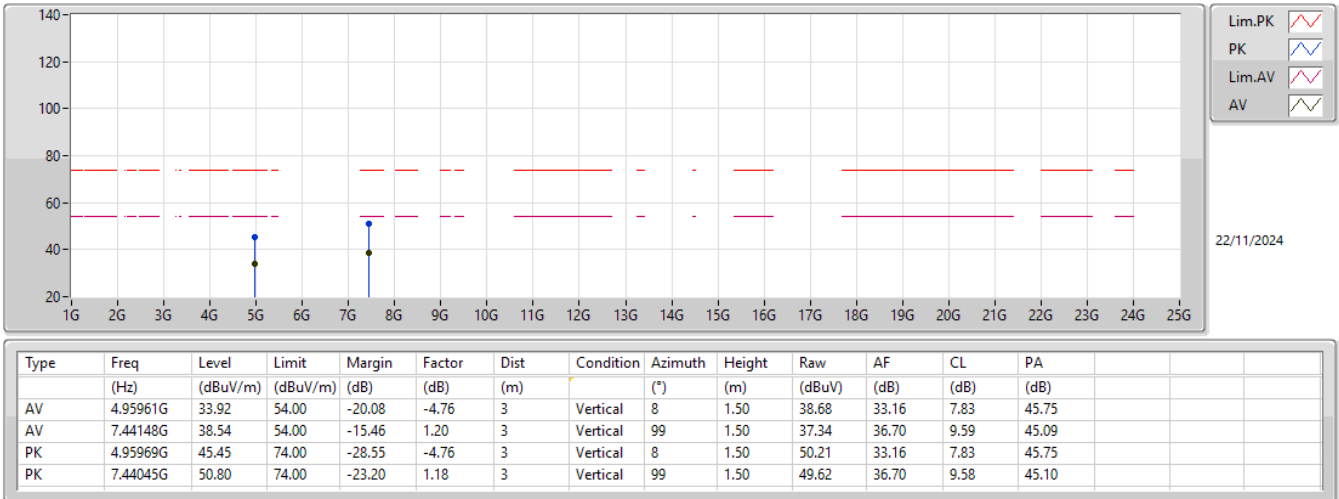
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	106.48	Inf	-Inf	33.33	3	Horizontal	24	1.50	73.15	27.90	5.43	-
AV	2.4835G	50.59	54.00	-3.41	33.33	3	Horizontal	24	1.50	17.26	27.90	5.43	-
PK	2.4798G	107.84	Inf	-Inf	33.33	3	Horizontal	24	1.50	74.51	27.90	5.43	-
PK	2.4838G	63.20	74.00	-10.80	33.34	3	Horizontal	24	1.50	29.86	27.90	5.44	-

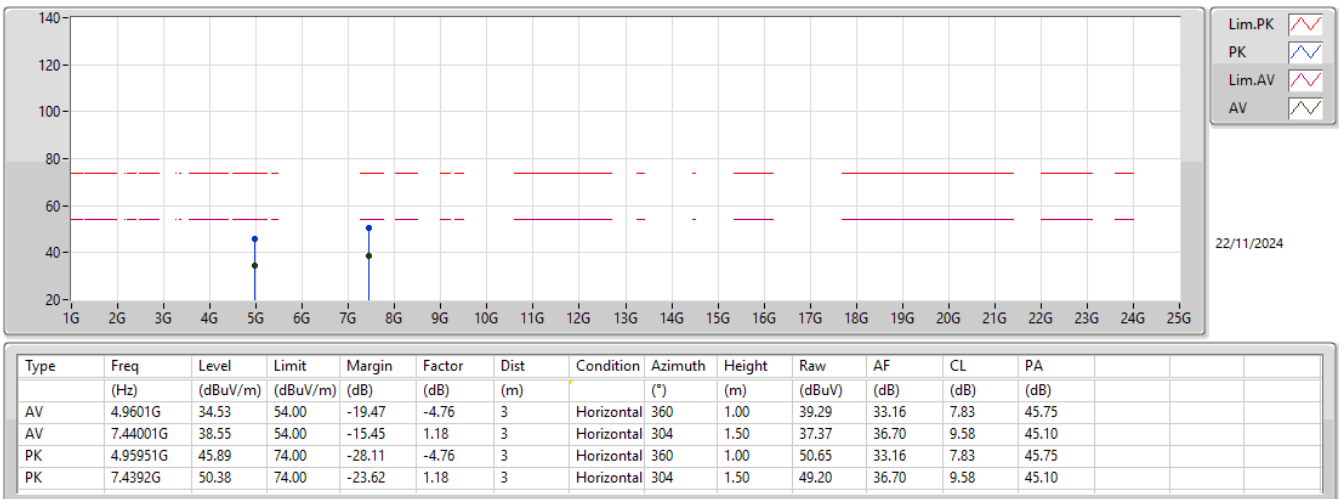
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



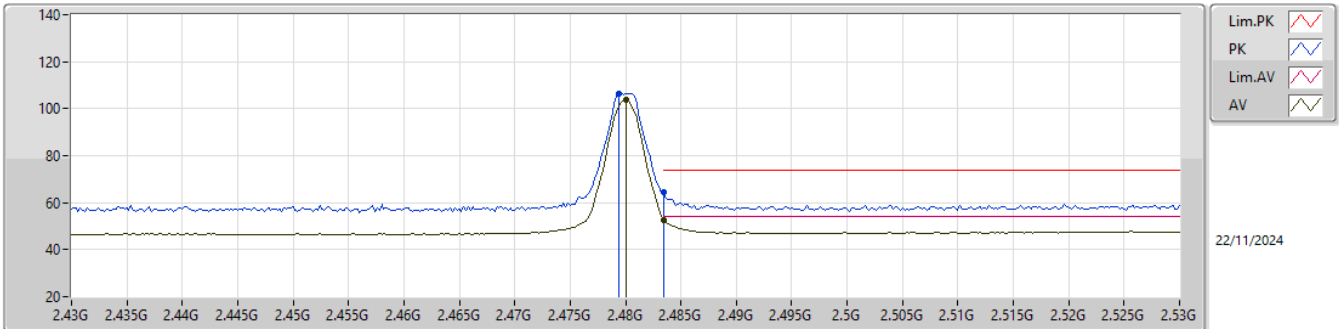
2.4-2.4835GHz_BT-LE(1Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

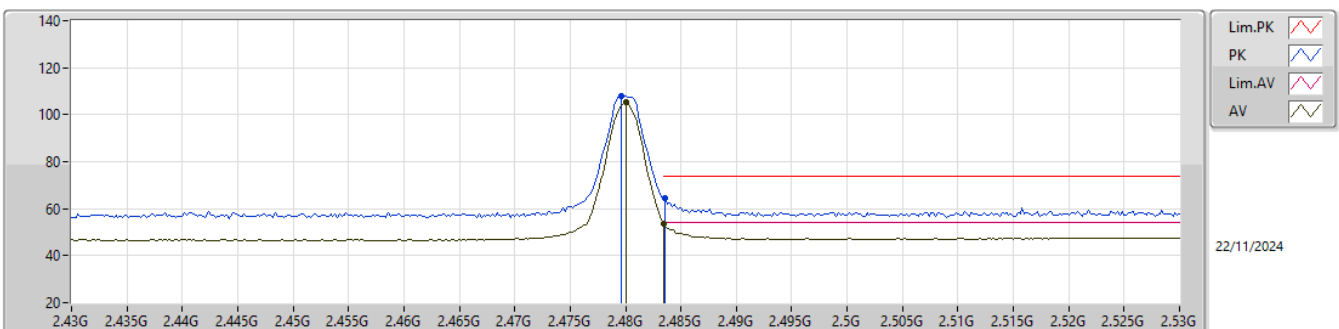
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	103.97	Inf	-Inf	33.33	3	Vertical	223	1.33	70.64	27.90	5.43	-
AV	2.4835G	52.52	54.00	-1.48	33.33	3	Vertical	223	1.33	19.19	27.90	5.43	-
PK	2.4794G	106.39	Inf	-Inf	33.32	3	Vertical	223	1.33	73.07	27.89	5.43	-
PK	2.4835G	64.52	74.00	-9.48	33.33	3	Vertical	223	1.33	31.19	27.90	5.43	-

2.4-2.4835GHz_BT-LE(2Mbps)

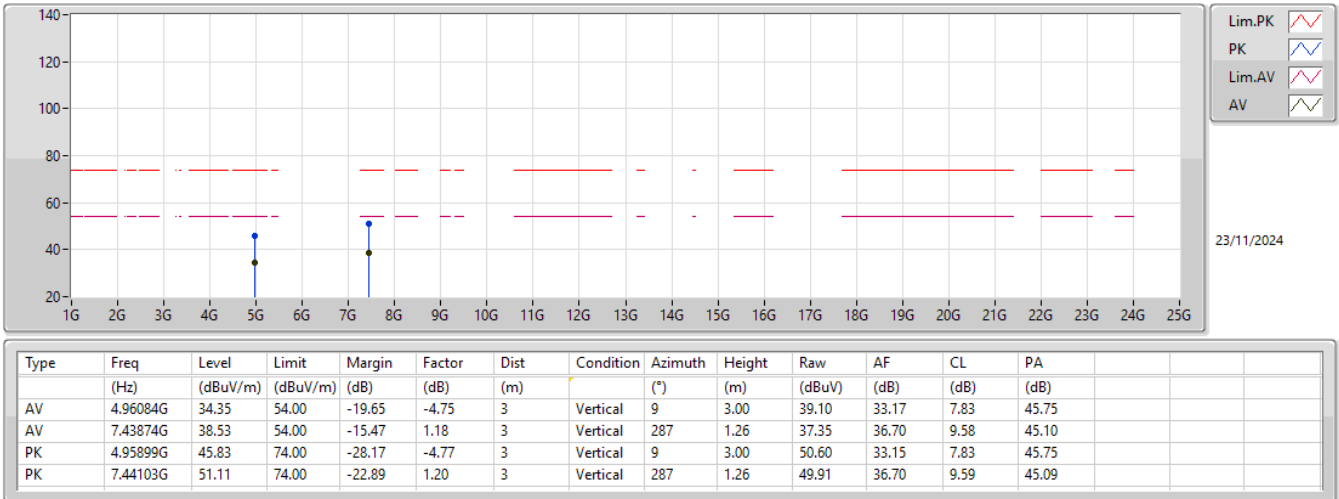
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	105.34	Inf	-Inf	33.33	3	Horizontal	23	1.50	72.01	27.90	5.43	-
AV	2.4835G	53.82	54.00	-0.18	33.33	3	Horizontal	23	1.50	20.49	27.90	5.43	-
PK	2.4796G	107.75	Inf	-Inf	33.32	3	Horizontal	23	1.50	74.43	27.89	5.43	-
PK	2.4836G	64.33	74.00	-9.67	33.33	3	Horizontal	23	1.50	31.00	27.90	5.43	-

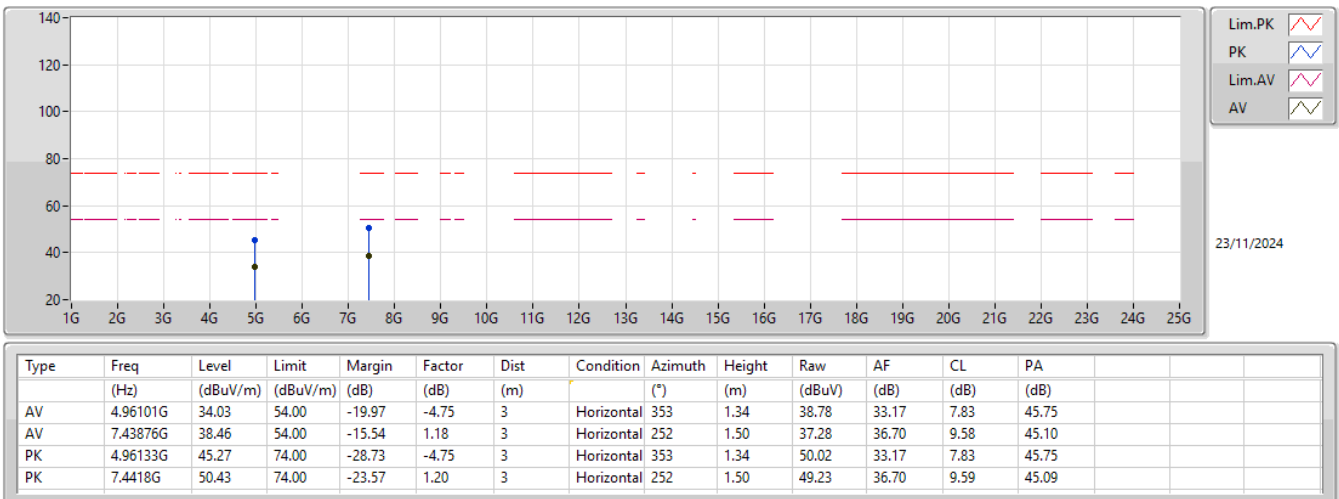
2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX



2.4-2.4835GHz_BT-LE(2Mbps)

2480MHz_TX





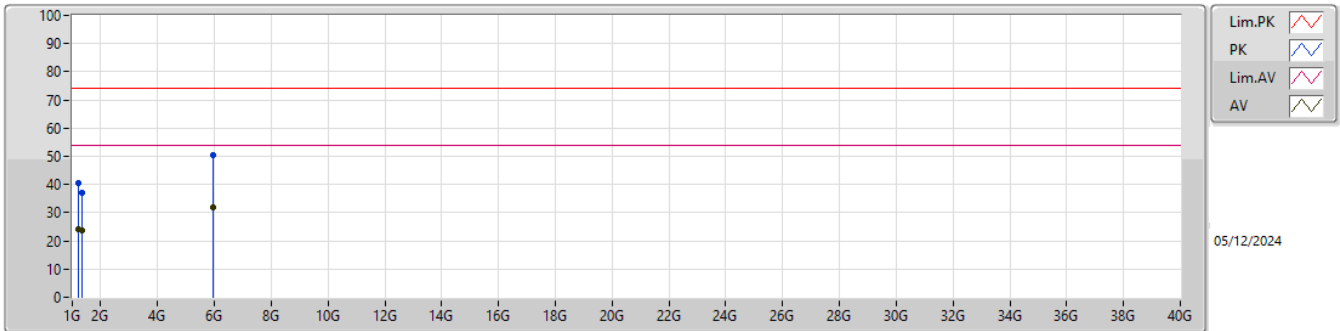
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	5.68084G	52.35	74.00	-21.65	Horizontal

Result

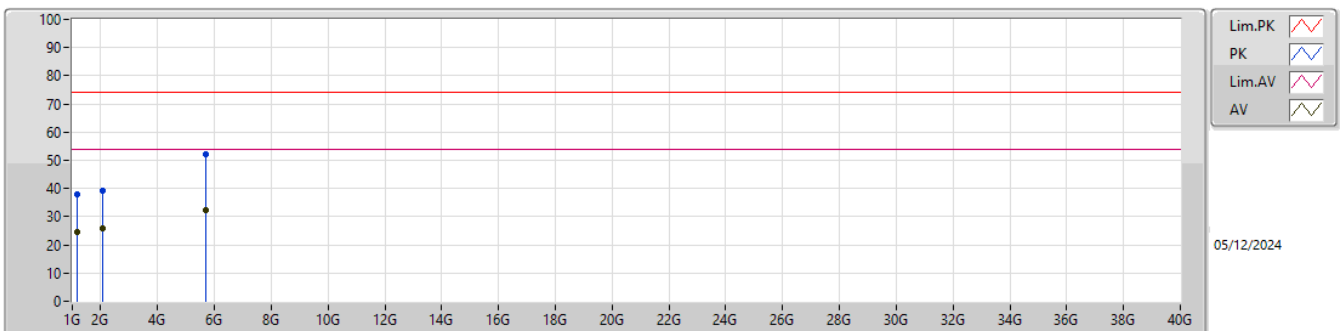
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	1.19615G	24.03	54.00	-29.97	3	Vertical	244	2.00
Mode 1	Pass	AV	1.35411G	23.68	54.00	-30.32	3	Vertical	162	1.00
Mode 1	Pass	AV	5.96115G	31.86	54.00	-22.14	3	Vertical	28	1.52
Mode 1	Pass	PK	1.19615G	40.59	74.00	-33.41	3	Vertical	244	2.00
Mode 1	Pass	PK	1.35411G	37.09	74.00	-36.91	3	Vertical	162	1.00
Mode 1	Pass	PK	5.96115G	50.24	74.00	-23.76	3	Vertical	28	1.52
Mode 1	Pass	AV	1.15423G	24.56	54.00	-29.44	3	Horizontal	341	1.04
Mode 1	Pass	AV	2.07577G	25.94	54.00	-28.06	3	Horizontal	30	1.00
Mode 1	Pass	AV	5.68084G	32.13	54.00	-21.87	3	Horizontal	27	2.00
Mode 1	Pass	PK	1.15423G	37.73	74.00	-36.27	3	Horizontal	341	1.04
Mode 1	Pass	PK	2.07577G	39.42	74.00	-34.58	3	Horizontal	30	1.00
Mode 1	Pass	PK	5.68084G	52.35	74.00	-21.65	3	Horizontal	27	2.00

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.19615G	24.03	54.00	-29.97	-6.32	3	Vertical	244	2.00	30.35	26.10	3.14	35.56
AV	1.35411G	23.68	54.00	-30.32	-6.12	3	Vertical	162	1.00	29.80	25.86	3.35	35.33
AV	5.96115G	31.86	54.00	-22.14	6.08	3	Vertical	28	1.52	25.78	34.02	7.32	35.26
PK	1.19615G	40.59	74.00	-33.41	-6.32	3	Vertical	244	2.00	46.91	26.10	3.14	35.56
PK	1.35411G	37.09	74.00	-36.91	-6.12	3	Vertical	162	1.00	43.21	25.86	3.35	35.33
PK	5.96115G	50.24	74.00	-23.76	6.08	3	Vertical	28	1.52	44.16	34.02	7.32	35.26

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.15423G	24.56	54.00	-29.44	-6.47	3	Horizontal	341	1.04	31.03	26.06	3.09	35.62
AV	2.07577G	25.94	54.00	-28.06	-3.29	3	Horizontal	30	1.00	29.23	27.50	4.21	35.00
AV	5.68084G	32.13	54.00	-21.87	5.45	3	Horizontal	27	2.00	26.68	33.41	7.19	35.15
PK	1.15423G	37.73	74.00	-36.27	-6.47	3	Horizontal	341	1.04	44.20	26.06	3.09	35.62
PK	2.07577G	39.42	74.00	-34.58	-3.29	3	Horizontal	30	1.00	42.71	27.50	4.21	35.00
PK	5.68084G	52.35	74.00	-21.65	5.45	3	Horizontal	27	2.00	46.90	33.41	7.19	35.15