

FCC Radio Test Report

FCC ID : UDX-600218020
Equipment : Cisco Wireless 9174E Series Wi-Fi 7 Access Point
Brand Name : CISCO
Model Name : CW9174E
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 May 12, 2025, and testing was started from Jun. 17, 2025 and completed on Aug. 07, 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 C63.10-2020 + Cor.1-2023 + C63.10a-2024 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

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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: Daniel Hsu

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std.	Ch. Frequency (MHz)	Channel Number
2400-2483.5	802.15.4	2405-2480	11-26 [16]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.15.4	5	1TX

Note:.

- ♦ 802.15.4 uses a O-QPSK (250kbps) modulation for DSSS.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Cisco	C-ANT9101=	Omnidirectional	Octal DART	2.4G+5G+6G+Scan+BLE&IEEE 802.15.4	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio3_6G 4*4 Radio4_Scan 1T*1R BLE&IEEE 802.15.4 1T*1R
2	Cisco	C-ANT9102=	Omnidirectional	Octal DART	2.4G+5G+6G+Scan+BLE&IEEE 802.15.4	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio3_6G 4*4 Radio4_Scan 1T*1R BLE&IEEE 802.15.4 1T*1R
3	Cisco	C-ANT9103=	Directional Patch	Right angle octal DART	2.4G+5G+6G+Scan+BLE&IEEE 802.15.4	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio3_6G 4*4 Radio4_Scan 1T*1R BLE&IEEE 802.15.4 1T*1R
4	Cisco	CW-ANT-T-O2-D8	Omnidirectional	Octal DART	2.4G+5G+6G+BLE&IEEE 802.15.5	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio3_6G 4*4 Radio4_Scan 1T*1R BLE&IEEE 802.15.4 1T*1R
5	Cisco	CW-ANT-T-D2-D8	Directional Panel	Right angle octal DART	2.4G+5G+6G+BLE&IEEE 802.15.6	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio3_6G 4*4 Radio4_Scan 1T*1R BLE&IEEE 802.15.4 1T*1R
6	Cisco	MA-ANT-3-C6	Panel Omni	RP-TNC	2.4G+5G+Scan+BLE&IEEE 802.15.4	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio4_Scan 1T*1R BLE&IEEE 802.15.4 1T*1R
7	Cisco	MA-ANT-3-D6	Downtilt Panel Omni	RP-TNC	2.4G+5G+Scan+BLE&IEEE 802.15.4	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio4_Scan 1T*2R BLE&IEEE 802.15.4 1T*1R
8	Cisco	MA-ANT-3-E6	Wide Patch	RP-TNC	2.4G+5G+Scan+BLE&IEEE 802.15.4	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio4_Scan 1T*1R BLE&IEEE 802.15.4 1T*1R



Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
9	Cisco	MA-ANT-3-F6	Narrow Patch	RP-TNC	2.4G+5G+Scan+ BLE&IEEE 802.15.4	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio4_Scan 1T*1R BLE&IEEE 802.15.4 1T*1R
10	Cisco	AIR-ANT2524 V4C-R/RS=	Ceiling Mount Omni-Directional	RP-TNC	2.4G+5G	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio4_Scan 1T*1R
11	Cisco	AIR-ANT2544 V4M-R/RS	Wall-Mounted Omnidirectional	RP-TNC	2.4G+5G	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio4_Scan 1T*1R
12	Cisco	AIR-ANT2566 P4W-R/RS	4-Element Patch	RP-TNC	2.4G+5G	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio4_Scan 1T*1R
13	Cisco	AIR-ANT2566 D4M-R/RS	Directional Array	RP-TNC	2.4G+5G	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio4_Scan 1T*1R
14	Cisco	AIR-ANT2513 P4M-N	Patch Array	N-Female Bulkhead	2.4G+5G	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio4_Scan 1T*1R
15	Cisco	AIR-ANT2513 P4M-NS	Patch Array	N-Female Bulkhead	2.4G+5G	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio4_Scan 1T*1R
16	Cisco	CW-ANT-T-O4 -R	Omnidirectional	Reverse Polarity TNC	2.4G+5G+6G	Radio1_2.4G 2*2 Radio3_2.4G 4*4 Radio2_5G 4*4 Radio3_6G 4*4

Ant.	Gain (dBi)									
	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	BLE& IEEE 802.15.4
1	2	6	6	6	6	6	6	6	6	3
2	4	4	4	4	4	4	4	4	4	4
3	6	6	6	6	6	6	6	6	6	6
4	3.25	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	3.25
5	6.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.6
6	4.9	4.9	4.9	4.9	4.9	-	-	-	-	4.9
7	2.9	3.7	3.7	3.7	3.7	-	-	-	-	2.9
8	7	6.3	6.3	6.3	6.3	-	-	-	-	7

Ant.	Gain (dBi)									
	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	BLE& IEEE 802.15.4
9	11.2	10.8	10.8	10.8	10.8	-	-	-	-	11.2
10	2	4	4	4	4	-	-	-	-	-
11	4	4	4	4	4	-	-	-	-	-
12	6	6	6	6	6	-	-	-	-	-
13	6	6	6	6	6	-	-	-	-	-
14	13	13	13	13	13	-	-	-	-	-
15	13	13	13	13	13	-	-	-	-	-
16	1	2	2	2	2	4	4	4	4	-

Note 1: The EUT has sixteen antennas.

Note 2: Ant. 1 and Ant. 14 (for 2.4G), Ant. 7 and Ant. 14 (for 5G), Ant.2 and Ant.3 (for 6G), Ant.7 and Ant.9 (for IoT), which designated by the manufacturer, was used during the test.

For 2.4GHz function:

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

Ant. 1~Ant.16 could transmit/receive.

Support diversity function and pre-tested on each single chain, the worst case was port 1 and it was recorded in this test report.

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

Ant. 1~Ant.16 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (1TX/4RX) (Radio 3)

Ant. 1~Ant.16 could transmit/receive.

Support diversity function and pre-tested on each single chain, the worst case was port 2 and it was recorded in this test report.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/4RX) (Radio 3)

Ant. 1~Ant.16 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (4TX/4RX) (Radio 3)

Ant. 1~Ant.16 could transmit/receive simultaneously.

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

Ant. 1~Ant.15 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (1TX/4RX) (Radio 2)

Ant. 1~Ant.16 could transmit/receive.

Support diversity function and pre-tested on each single chain, the worst case was port 3 and it was recorded in this test report.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/4RX) (Radio 2)

Ant. 1~Ant.16 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX) (Radio 2)

Ant. 1~Ant.16 could transmit/receive simultaneously.

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

Ant. 1~Ant.15 could transmit/receive.

For 6GHz function:

For IEEE 802.11 ax/be mode (1TX/4RX) (Radio 3)

Ant. 1~Ant. 5 could transmit/receive.

Support diversity function and pre-tested on each single chain, the worst case was port 3 and it was recorded in this test report.

For IEEE 802.11 ax/be mode (2TX/4RX) (Radio 3)

Ant. 1~Ant.16 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (4TX/4RX) (Radio 3)

Ant. 1~Ant.16 could transmit/receive simultaneously.

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

Ant. 1~Ant.15 could transmit/receive simultaneously.

For BT function:

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

Ant. 1~Ant. 9 could transmit/receive.

For 802.15.4 function:

For IEEE 802.15.4 mode (1TX/1RX)

Ant. 1~Ant. 9 could transmit/receive.

Note 2: Directional gain information

	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{BT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{BT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{BT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

1.1.3 Table of Serial Number

Test item	Serial Number
RF	FVH2911ASZD

1.1.4 EUT Information

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

1.1.5 Mode Test Duty Cycle

Non-Beamforming_Downtilt Panel Omni

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.15.4	1	0	20.001m	10Hz (DC>=0.98)

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

Non-Beamforming_Narrow Patch

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.15.4	1	0	20.001m	10Hz (DC>=0.98)

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

1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024

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	Andy Wang	23.1~23.9°C / 56~62%	08/Jul/2025
Radiated (Co-location)	03CH02-HY	Vasari Huang	23.1~23.7°C / 53~59%	07/Aug/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	23.3~23.6°C / 56~59%	17/Jun/2025~04/Jul/2025
Radiated	03CH24-HY	Billy Wang	22.1~23.1°C / 50~51%	24/Jun/2025~26/Jun/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	3.44 dB	Confidence levels of 95%
Conducted Output Power	1.48 dB	Confidence levels of 95%
Bandwidth	0.05 MHz	Confidence levels of 95%
Conducted Emission	1.48 dB	Confidence levels of 95%
Power Spectral Density	1.22 dB	Confidence levels of 95%
Radiated Emission (9 kHz ~ 30 MHz)	2.9 dB	Confidence levels of 95%
Radiated Emission (30 MHz ~ 1 GHz)	5.64 dB	Confidence levels of 95%
Radiated Emission (1 GHz ~ 18 GHz)	5.02 dB	Confidence levels of 95%
Radiated Emission (18 GHz ~ 40 GHz)	5.28 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	PutTTY Release 0.62
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Non-Beamforming_Downtilt Panel Omni

Mode	Power Setting
802.15.4	-
2405MHz	16
2440MHz	16
2480MHz	13

Non-Beamforming_Narrow Patch

Mode	Power Setting
802.15.4	-
2405MHz	16
2440MHz	16
2480MHz	5

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	Z Plane
	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated measurement
Operating Mode	CTX
1	R1_2.4G(2*2)(ePA)+R2_5G(4*4)+R3_6G(4*4)+R4_Scan:2.4G+5G+6G(1T*2R)+BT
2	R2_5G(4*4)+R3_2.4G(4*4)(XOR)+R4_Scan:2.4G+5G+6G(1T*2R)+BT
3	R1_2.4G(2*2)(ePA)+R2_5G(4*4)+R3_6G(4*4)+R4_Scan:2.4G+5G+6G(1T*2R)+IEEE 802.15.4
4	R2_5G(4*4)+R3_2.4G(4*4)(XOR)+R4_Scan:2.4G+5G+6G(1T*2R)+IEEE 802.15.4
Refer to Sporton Test Report No.: FA550854 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
Low Profile Mounting Bracket	Brand Name	Cisco	Model Name	AIR-AP-BRACKET-1
Ceiling grid clip	Brand Name	Cisco	Model Name	AIR-AP-T-RAIL-R

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

2.4 Support Equipment

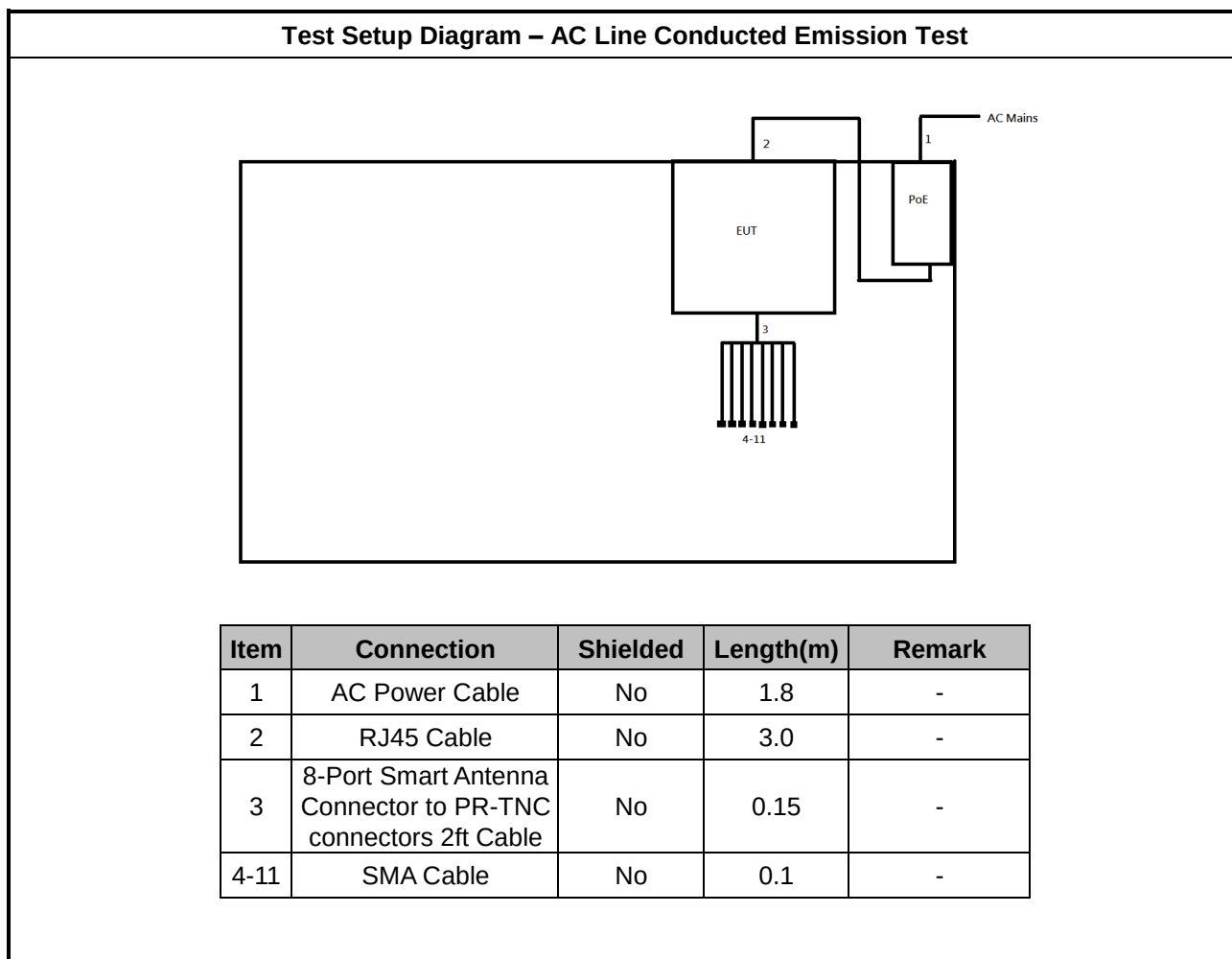
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	8-Port Smart Antenna Connector to PR-TNC connectors 2ft Cable	CISCO	AIR-CAB002-D8-R	-	Provided by Customer
2	SMA Cable * 8	Amphenol RF Asia Ltd	95-668-45449-1	-	Provided by Customer
3	AC Power Cable	Power Sync	PW-GPC180-3	-	-
4	RJ45 Cable	Power sync	CAT-6E-03	-	-
5	PoE	PHIHONG	POE60U-BTA	-	Provided by Customer

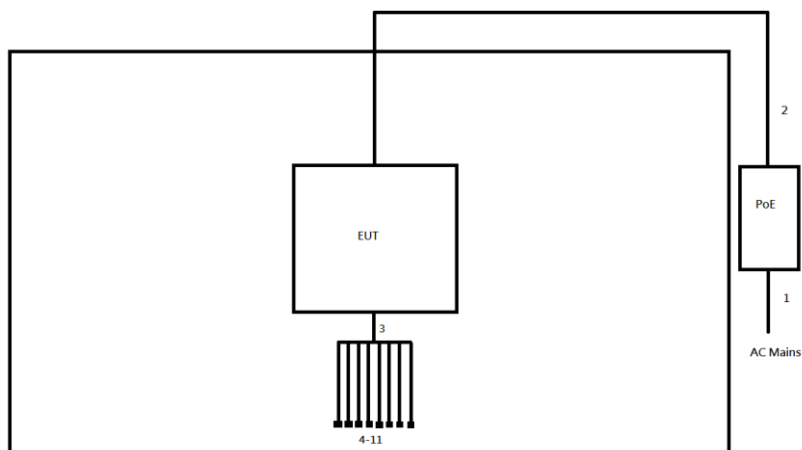
Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	PoE	PHIHONG	POE60U-BTA	-	Provided by Customer
4	AC Power Cable X2	Power Sync	PW-GPC180-3	-	-
5	SMA Cable	Amphenol RF Asia Ltd	95-668-45449-1	-	Provided by Customer
6	8-Port Smart Antenna Connector to PR-TNC connectors 2ft Cable	CISCO	AIR-CAB002-D8-R	-	Provided by Customer



Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	8-Port Smart Antenna Connector to PR-TNC connectors 2ft Cable	CISCO	AIR-CAB002-D8-R	-	Provided by Customer
2	SMA Cable * 8	Amphenol RF Asia Ltd	95-668-45449-1	-	Provided by Customer
3	RJ45 Cable	Power sync	CAT-6E-03	-	-
4	PoE (Remote)	PHIHONG	POE60U-BTA	-	Provided by Customer
5	AC Power Cable (Remote)	Power Sync	PW-GPC180-3	-	-

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test_PoE Mode


Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	RJ45 Cable	No	3.0	-
3	8-Port Smart Antenna Connector to PR-TNC connectors 2ft Cable	No	0.15	-
4-11	SMA Cable	No	0.1	-

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

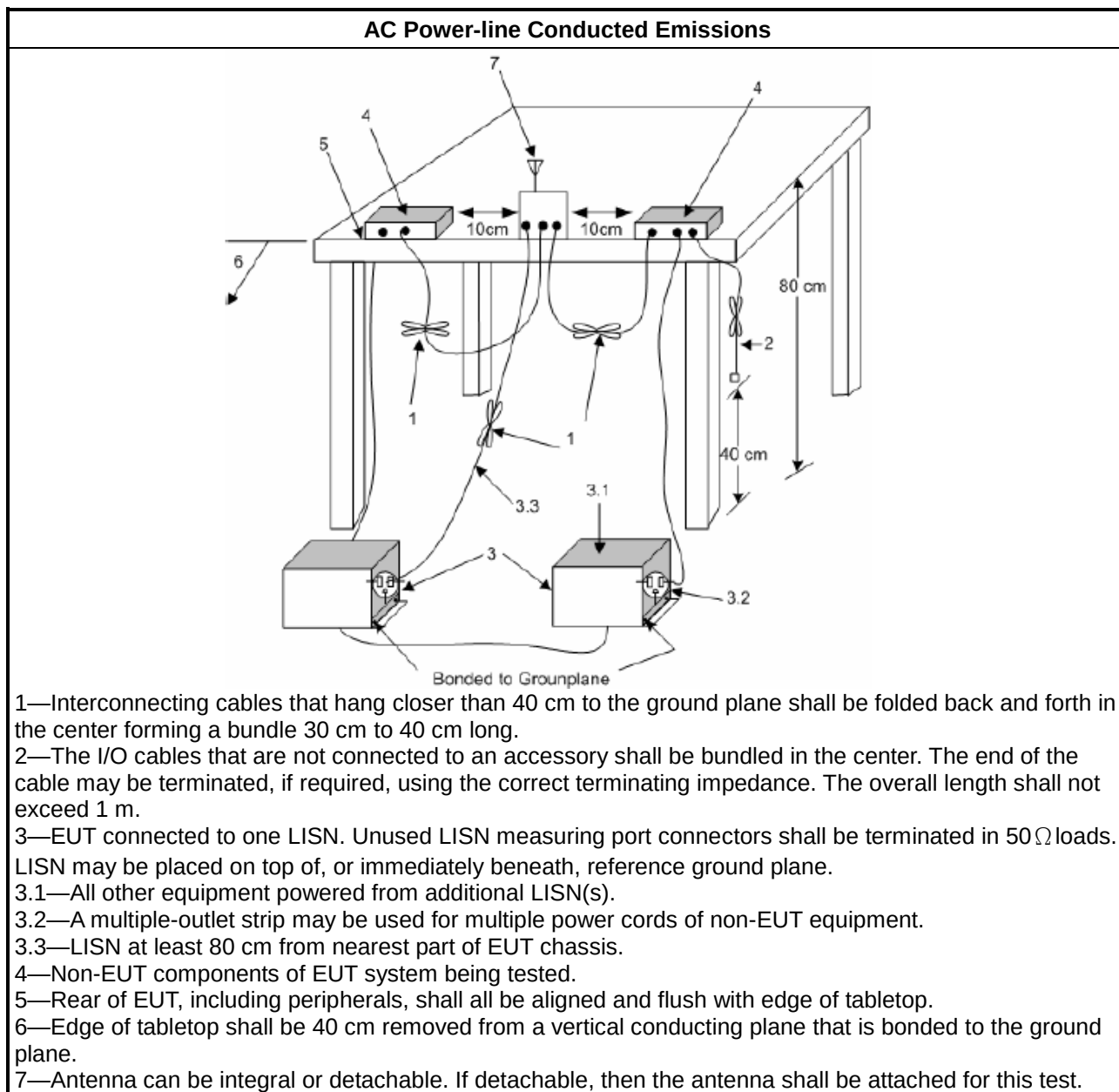
Test Method
☒ Refer as ANSI C63.10, clause 6.2 for AC power-line conducted emissions.

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.

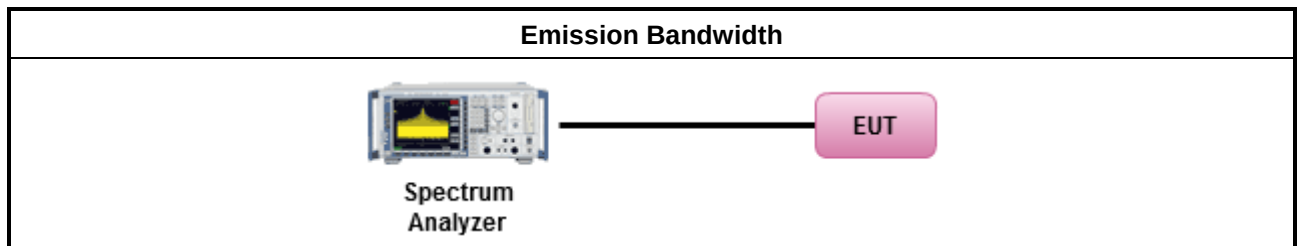
3.2.2 Measuring Instruments

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.	

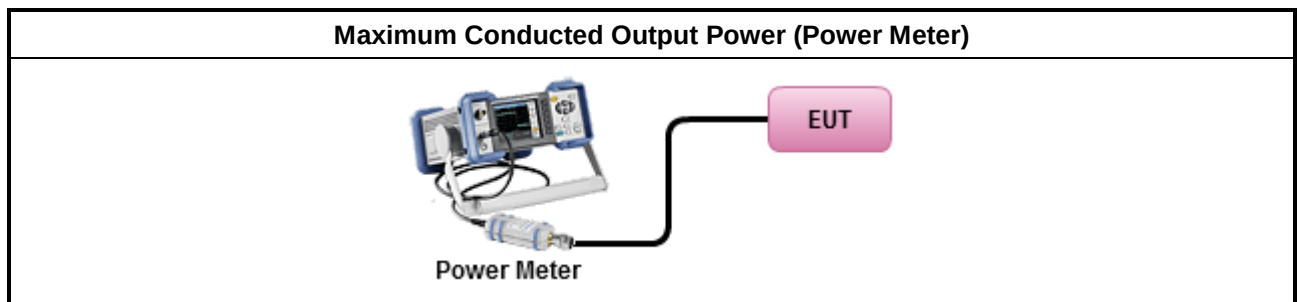
3.3.2 Measuring Instruments

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 integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.2 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

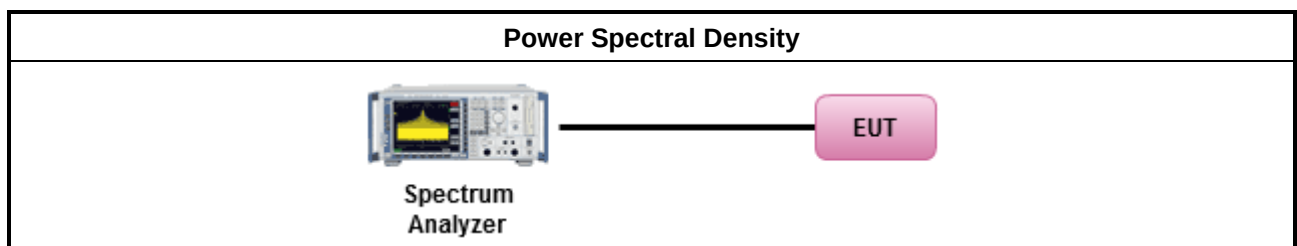
3.4.2 Measuring Instruments

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.	

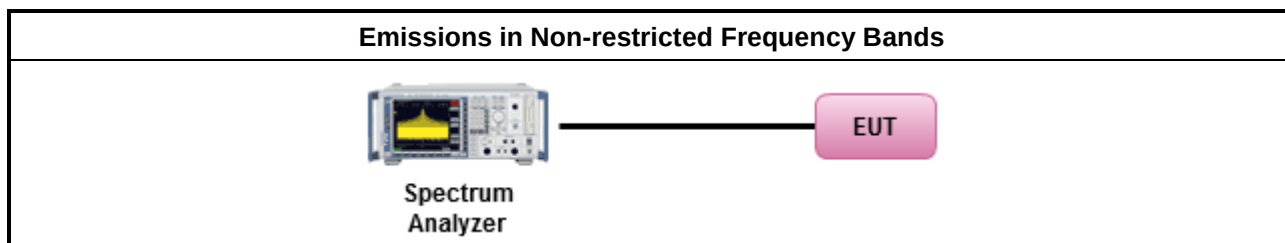
3.5.2 Measuring Instruments

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

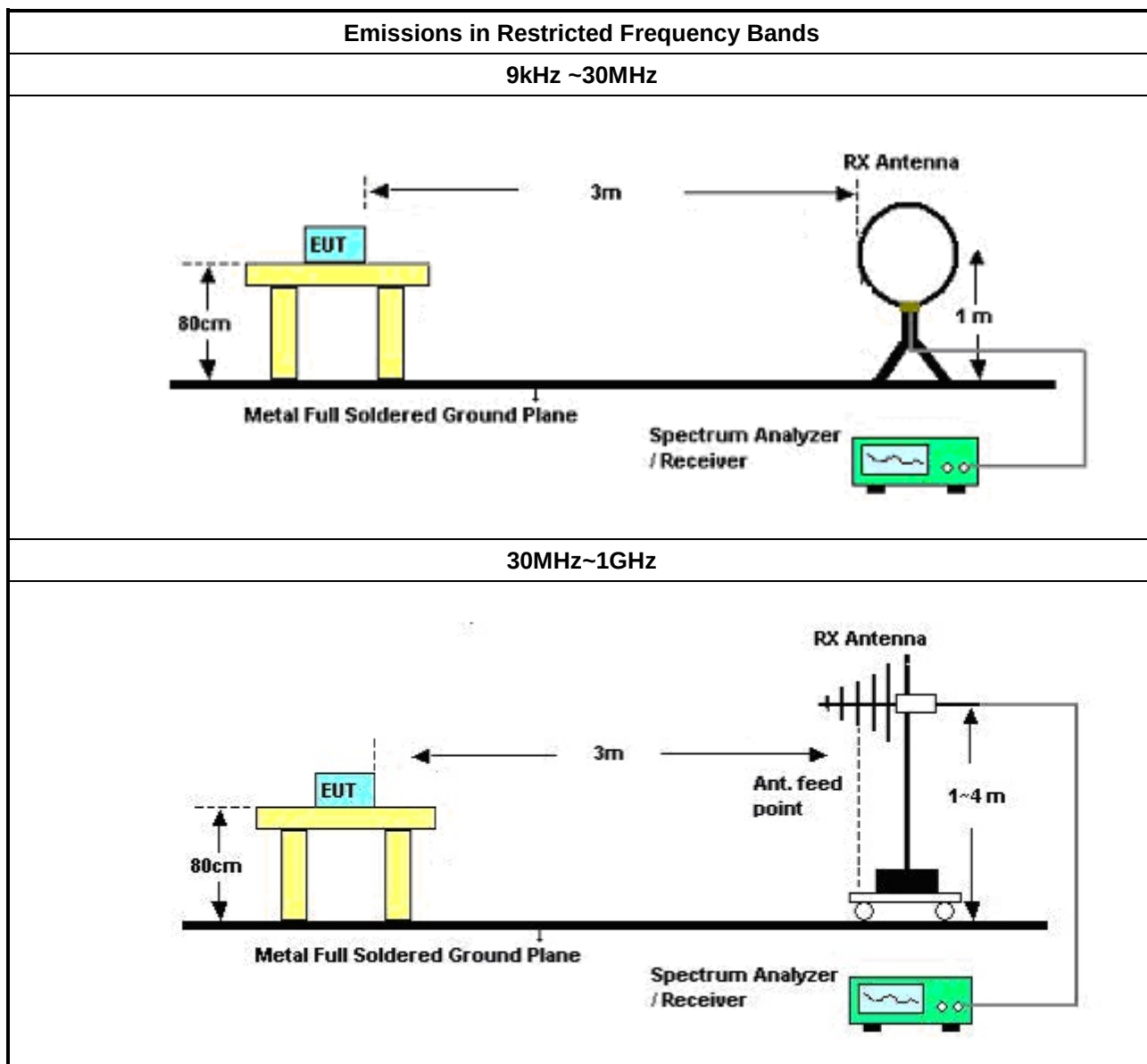
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted 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 (i.e., 1 MHz).
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.
For conducted and cabinet radiation measurement, refer as KDB 558074, clause 3 (12.7.4.2 of ANSI C63.10).	
	For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	For KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

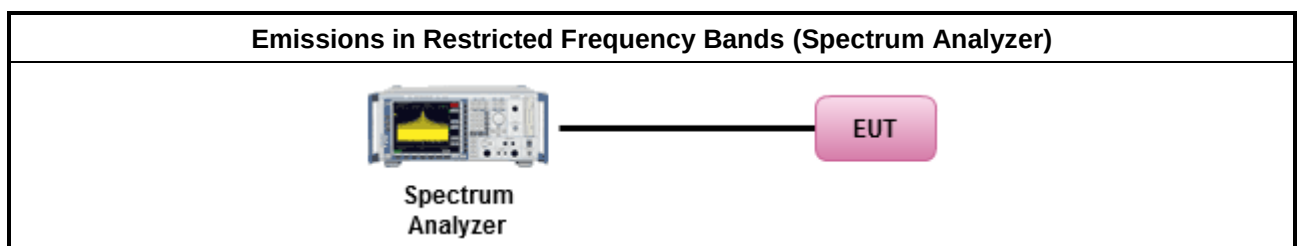
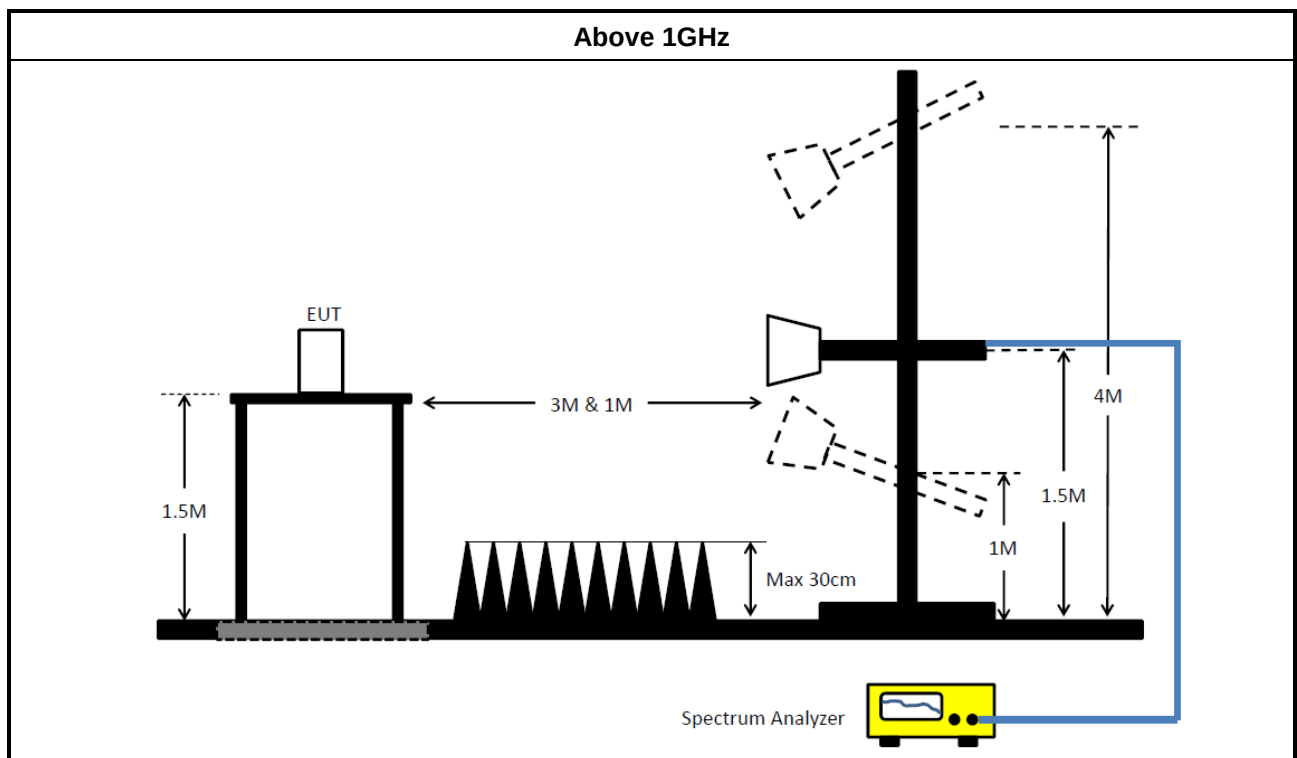
3.6.4 Measurement Results Calculation

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	21/May/2025	20/May/2026
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	100003	9kHz ~ 30MHz	18/Apr/2025	17/Apr/2026
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	V5.11.6	-	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	28/Mar/2025	27/Mar/2026
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	28/Mar/2025	27/Mar/2026
SENSE-15247_DTS	Sporton	V5.11.24	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	03CH24-HY	30MHz~1GHz 3m	16/Aug/2024	15/Aug/2025
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	1GHz~18GHz 3m	30/Jul/2024	29/Jul/2025
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	06/Dec/2024	05/Dec/2025
Signal Analyzer	ROHDE & SCHWARZ	FSV3044	101345	10Hz~44GHz	27/Aug/2024	26/Aug/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	20/Mar/2025	19/Mar/2026
Bilog Antenna & 6dB Attenuator	TESEQ / Woken	CBL 6112D / 00800N1D01N-06	35376 / 02	30MHz~1GHz	13/Apr/2025	12/Apr/2026
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02744	1GHz~18GHz	15/Aug/2024	14/Aug/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
RF Cable	HUBER+SUHNER	SUOFLEX 104	03CH24-cable-01	9kHz~40GHz	01/Oct/2024	30/Sep/2025
Pre-Amplifier	Agilent	8447D	2944A06292	30MHz~1GHz	08/Apr/2025	07/Apr/2026
Amplifier	EM	EM01G18G	060870	1GHz ~18GHz	12/Aug/2024	11/Aug/2025
Amplifier	EM	EM18G40GA	060874	18GHz ~40GHz	18/Apr/2025	17/Apr/2026
SENSE-15247-FS	Sporton	V5.11.24	NA	NA	NA	NA

Instrument for Radiated Test (Co-location)

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	12/Jul/2025	11/Jul/2026
Signal Analyzer	ROHDE & SCHWARZ	FSV3044	101750	10Hz~44GHz	10/Apr/2025	09/Apr/2026
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	02/Jul/2025	01/Jul/2026
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX 104	03CH02-cable-04	1GHz~40GHz	17/Jul/2025	16/Jul/2026
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	26/Apr/2025	25/Apr/2026
SENSE-EMI	Sporton	V5.11.9	N/A	N/A	N/A	N/A



Conducted Emissions at Powerline

Appendix A

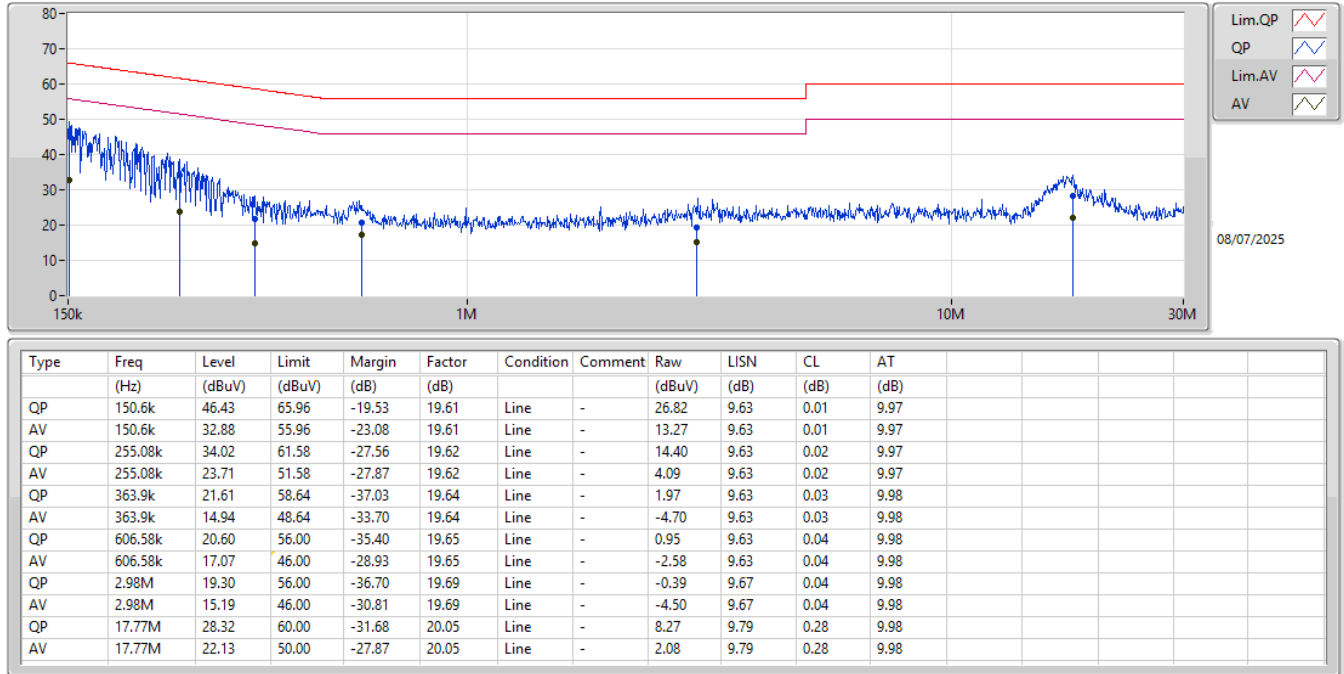
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150.6k	46.90	65.96	-19.06	Neutral

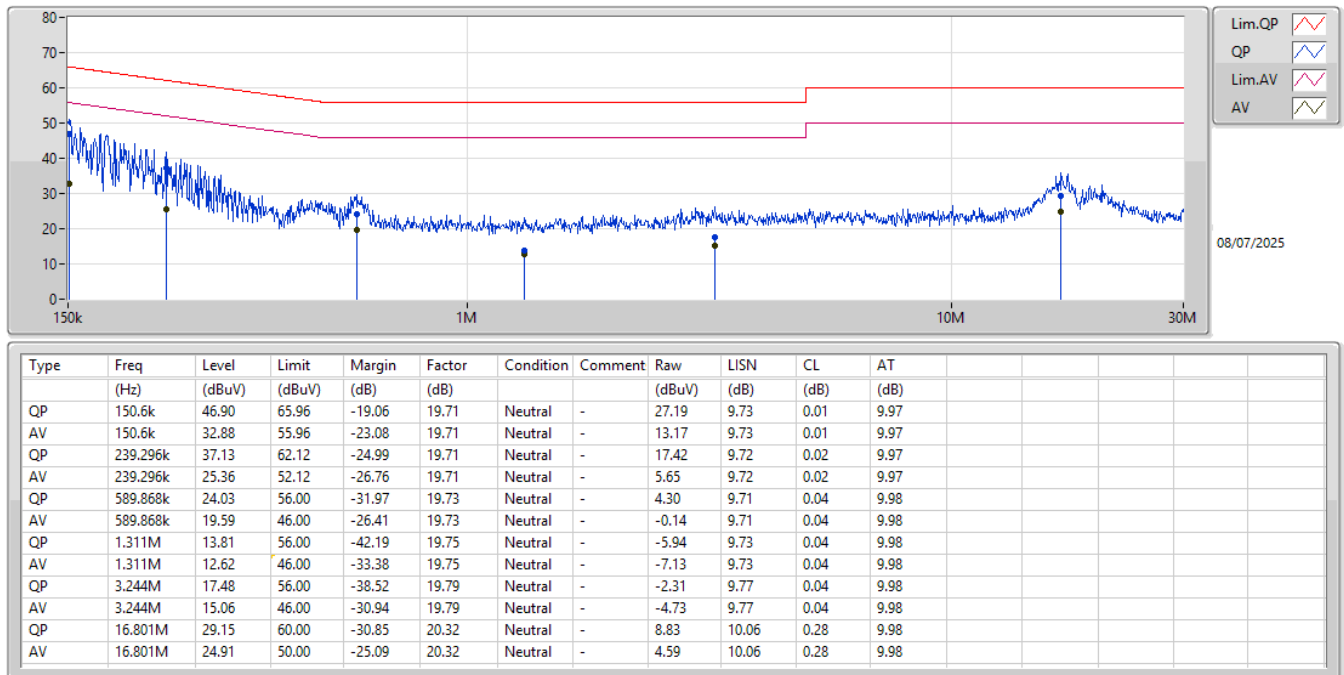
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	150.6k	46.43	65.96	-19.53	Line	-
Mode 1	Pass	AV	150.6k	32.88	55.96	-23.08	Line	-
Mode 1	Pass	QP	255.08k	34.02	61.58	-27.56	Line	-
Mode 1	Pass	AV	255.08k	23.71	51.58	-27.87	Line	-
Mode 1	Pass	QP	363.9k	21.61	58.64	-37.03	Line	-
Mode 1	Pass	AV	363.9k	14.94	48.64	-33.70	Line	-
Mode 1	Pass	QP	606.58k	20.60	56.00	-35.40	Line	-
Mode 1	Pass	AV	606.58k	17.07	46.00	-28.93	Line	-
Mode 1	Pass	QP	2.98M	19.30	56.00	-36.70	Line	-
Mode 1	Pass	AV	2.98M	15.19	46.00	-30.81	Line	-
Mode 1	Pass	QP	17.77M	28.32	60.00	-31.68	Line	-
Mode 1	Pass	AV	17.77M	22.13	50.00	-27.87	Line	-
Mode 1	Pass	QP	150.6k	46.90	65.96	-19.06	Neutral	-
Mode 1	Pass	AV	150.6k	32.88	55.96	-23.08	Neutral	-
Mode 1	Pass	QP	239.296k	37.13	62.12	-24.99	Neutral	-
Mode 1	Pass	AV	239.296k	25.36	52.12	-26.76	Neutral	-
Mode 1	Pass	QP	589.868k	24.03	56.00	-31.97	Neutral	-
Mode 1	Pass	AV	589.868k	19.59	46.00	-26.41	Neutral	-
Mode 1	Pass	QP	1.311M	13.81	56.00	-42.19	Neutral	-
Mode 1	Pass	AV	1.311M	12.62	46.00	-33.38	Neutral	-
Mode 1	Pass	QP	3.244M	17.48	56.00	-38.52	Neutral	-
Mode 1	Pass	AV	3.244M	15.06	46.00	-30.94	Neutral	-
Mode 1	Pass	QP	16.801M	29.15	60.00	-30.85	Neutral	-
Mode 1	Pass	AV	16.801M	24.91	50.00	-25.09	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	-	-	-	-	-
802.15.4	1.844M	2.255M	2M26D1D	1.731M	2.23M

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)
802.15.4	-	-	-	-
2405MHz	Pass	500k	1.838M	2.23M
2440MHz	Pass	500k	1.731M	2.255M
2480MHz	Pass	500k	1.844M	2.243M

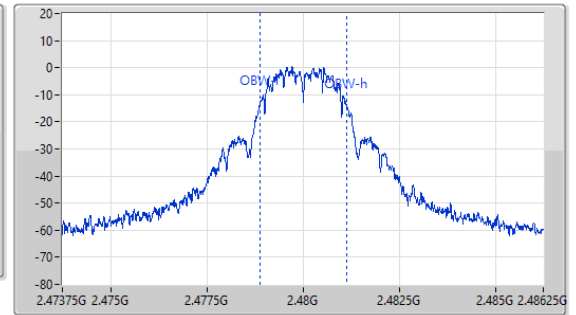
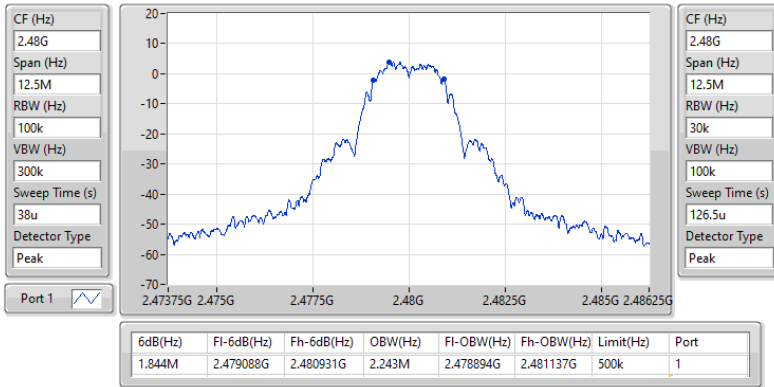
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.15.4

EBW-DTS

2480MHz

17/06/2025





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.15.4	1.838M	2.261M	2M26D1D	1.731M	2.23M

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)
802.15.4	-	-	-	-
2405MHz	Pass	500k	1.838M	2.23M
2440MHz	Pass	500k	1.731M	2.255M
2480MHz	Pass	500k	1.75M	2.261M

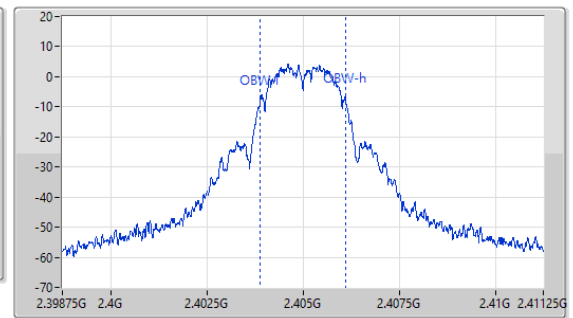
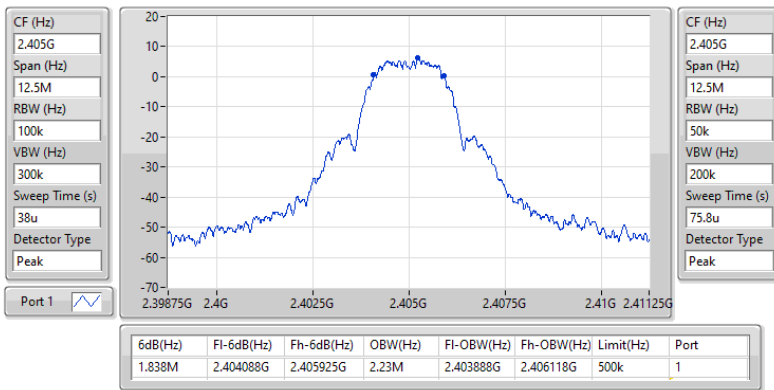
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.15.4

EBW-DTS

2405MHz

17/06/2025





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.15.4	12.29	0.01694



Average Power-DTS_Downtilt Panel Omni

Appendix C.1

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
802.15.4	-	-	-	-
2405MHz	Pass	2.90	12.16	30.00
2440MHz	Pass	2.90	12.29	30.00
2480MHz	Pass	2.90	9.94	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.15.4	12.29	0.01694



Average Power-DTS_Narrow Patch

Appendix C.2

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
802.15.4	-	-	-	-
2405MHz	Pass	11.20	12.16	24.80
2440MHz	Pass	11.20	12.29	24.80
2480MHz	Pass	11.20	1.92	24.80

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	-
802.15.4	-3.85

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.15.4	-	-	-	-
2405MHz	Pass	2.90	-4.17	8.00
2440MHz	Pass	2.90	-3.85	8.00
2480MHz	Pass	2.90	-6.93	8.00

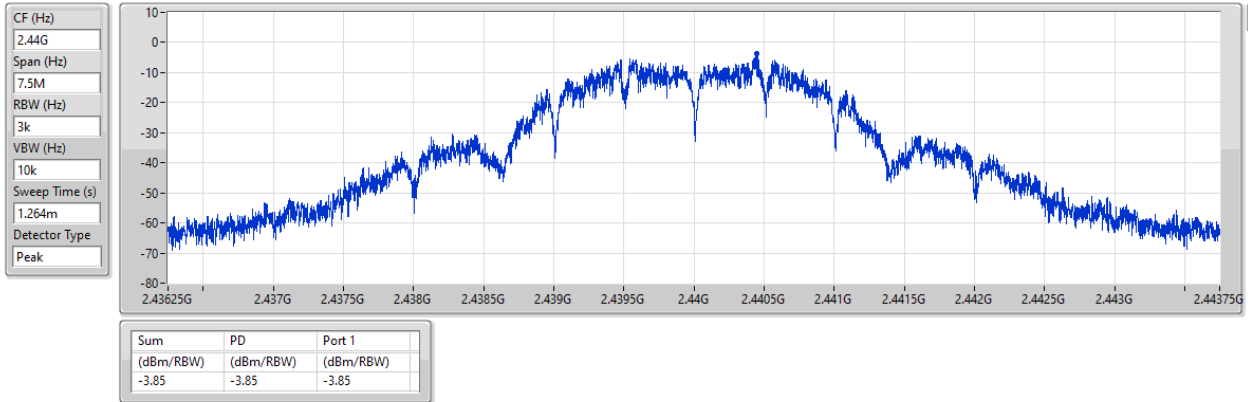
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

2.4-2.4835GHz_802.15.4

PSD

2440MHz

17/06/2025





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.15.4	-3.85

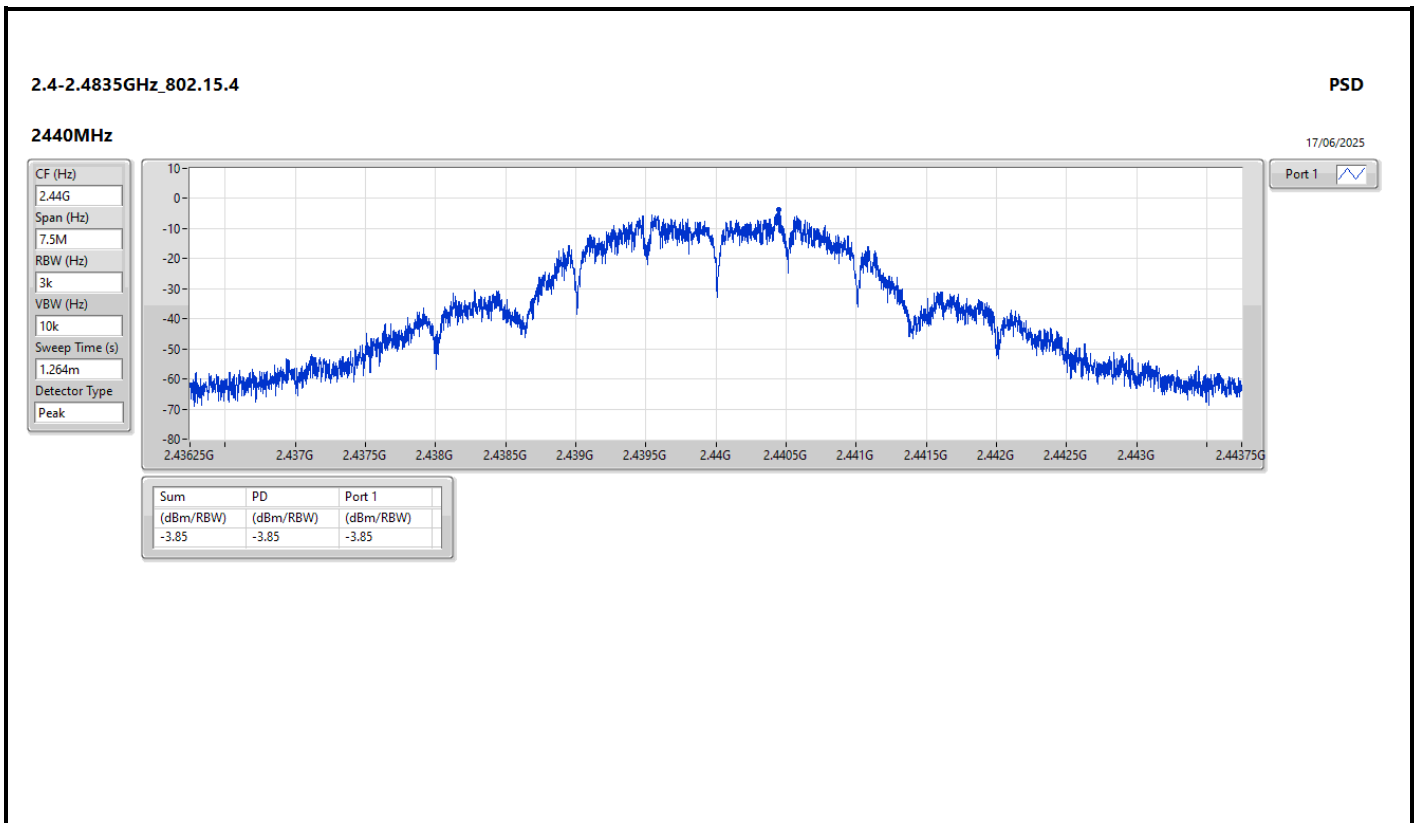
RBW = 3kHz;



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.15.4	-	-	-	-
2405MHz	Pass	11.20	-4.17	2.80
2440MHz	Pass	11.20	-3.85	2.80
2480MHz	Pass	11.20	-15.30	2.80

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.





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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.15.4	Pass	2.43941G	8.03	-21.97	1.82188G	-56.05	2.4G	-46.79	2.4G	-47.41	2.50226G	-54.60	16.85064G	-42.50	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
802.15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2405MHz	Pass	2.43941G	8.03	-21.97	1.82188G	-56.05	2.4G	-46.79	2.4G	-47.41	2.50226G	-54.60	16.85064G	-42.50	1
2440MHz	Pass	2.43941G	8.03	-21.97	2.0134G	-56.45	2.39968G	-53.65	2.4G	-55.22	2.50074G	-54.24	24.62037G	-42.94	1
2480MHz	Pass	2.43941G	8.03	-21.97	2.1215G	-56.12	2.39508G	-53.22	2.4G	-56.77	2.5007G	-54.79	16.58068G	-42.98	1

2.4-2.4835GHz_802.15.4

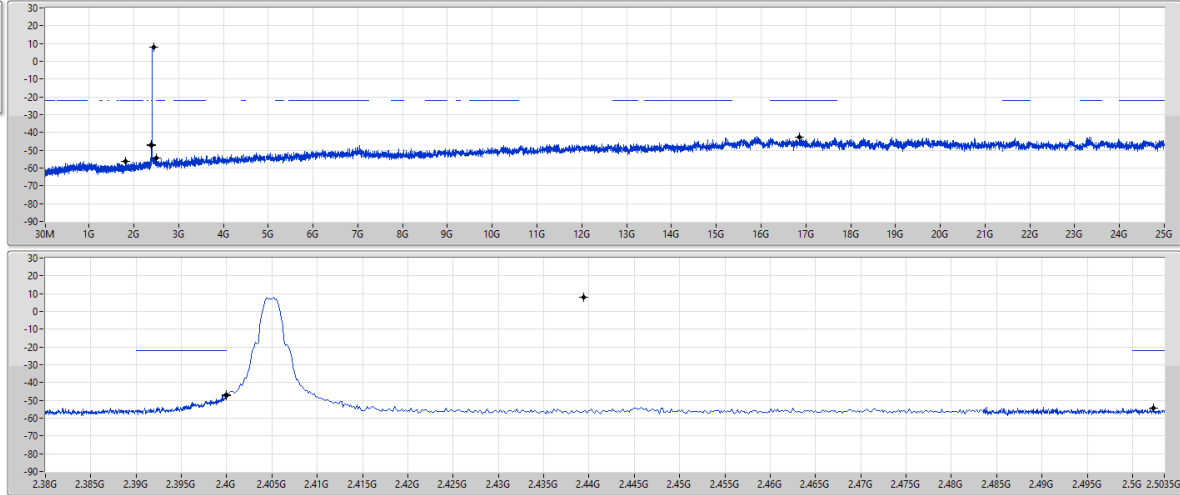
CSEndB-DTS

2405MHz

17/06/2025

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
2.43941G	8.03	-21.97	1.82188G	-56.05	2.4G	-46.79	2.4G	-47.41	2.50226G	-54.60	16.85064G	-42.50	1



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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.15.4	Pass	2.43941G	8.03	-21.97	1.82188G	-56.05	2.4G	-46.79	2.4G	-47.41	2.50226G	-54.60	16.85064G	-42.50	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
802.15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2405MHz	Pass	2.43941G	8.03	-21.97	1.82188G	-56.05	2.4G	-46.79	2.4G	-47.41	2.50226G	-54.60	16.85064G	-42.50	1
2440MHz	Pass	2.43941G	8.03	-21.97	2.0134G	-56.45	2.39968G	-53.65	2.4G	-55.22	2.50074G	-54.24	24.62037G	-42.94	1
2480MHz	Pass	2.43941G	8.03	-21.97	2.16498G	-56.04	2.39692G	-54.69	2.4G	-58.07	2.50274G	-54.44	16.69036G	-42.77	1

2.4-2.4835GHz_802.15.4

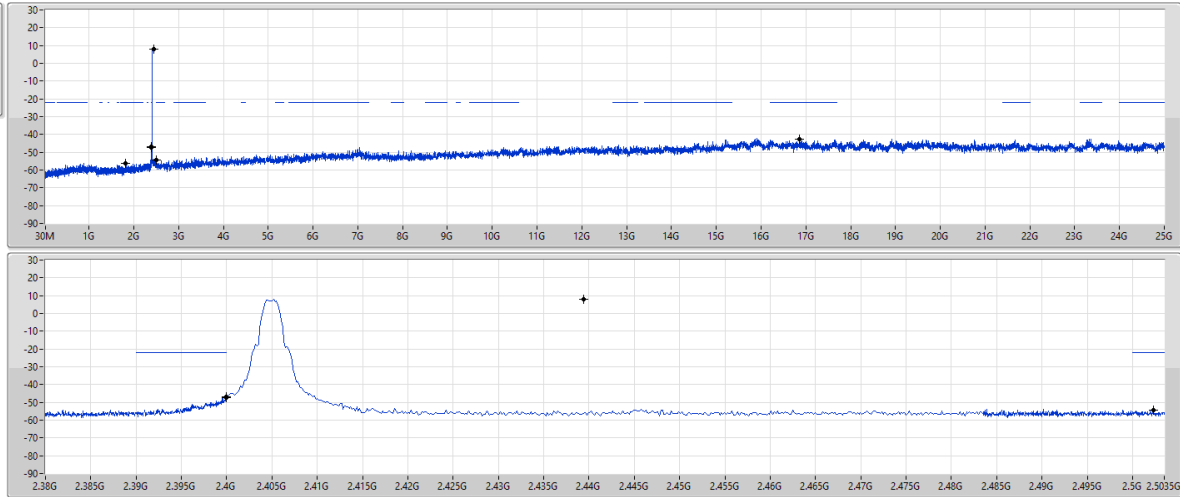
CSEndB-DTS

2405MHz

17/06/2025

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
2.43941G	8.03	-21.97	1.82188G	-56.05	2.4G	-46.79	2.4G	-47.41	2.50226G	-54.60	16.85064G	-42.50	1



Summary

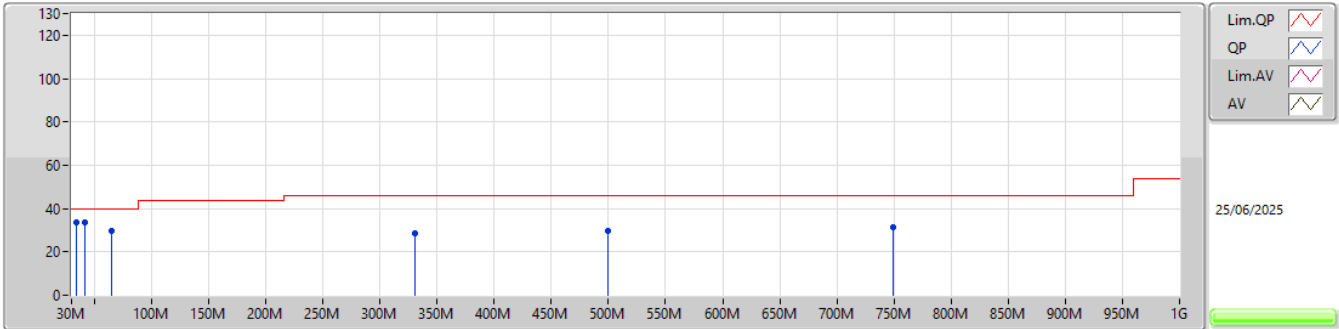
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.15.4	Pass	PK	62.98M	34.82	40.00	-5.18	3	Horizontal	0	1.00

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.15.4	-	-	-	-	-	-	-	-	-	-
2440MHz_PoE	Pass	PK	33.88M	33.78	40.00	-6.22	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	41.64M	33.56	40.00	-6.44	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	64.92M	29.89	40.00	-10.11	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	330.7M	28.34	46.00	-17.66	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	499.48M	29.69	46.00	-16.31	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	749.74M	31.30	46.00	-14.70	3	Vertical	360	1.00
2440MHz_PoE	Pass	PK	62.98M	34.82	40.00	-5.18	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	94.02M	38.06	43.50	-5.44	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	142.52M	27.55	43.50	-15.95	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	202.66M	30.28	43.50	-13.22	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	332.64M	30.31	46.00	-15.69	3	Horizontal	0	1.00
2440MHz_PoE	Pass	PK	540.22M	30.62	46.00	-15.38	3	Horizontal	0	1.00

2.4-2.4835GHz_802.15.4

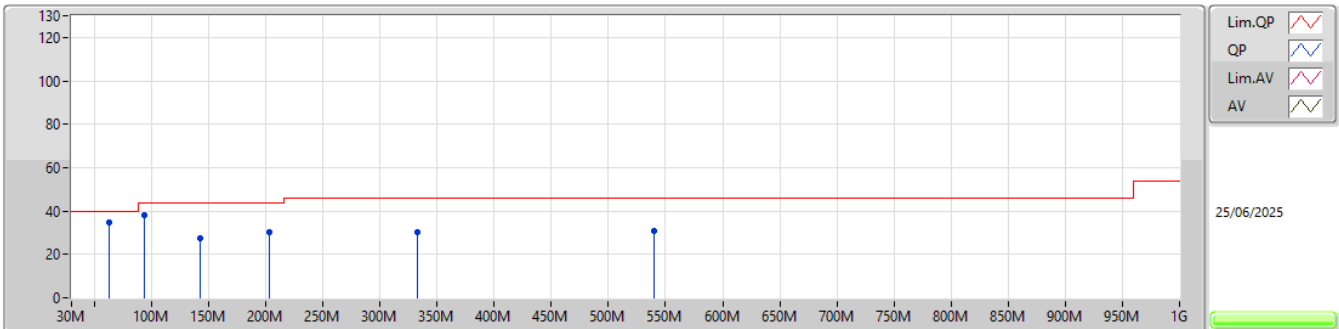
2440MHz_PoE



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	33.88M	33.78	40.00	-6.22	-5.95	3	Vertical	360	1.00	39.73	20.99	0.44	27.38
PK	41.64M	33.56	40.00	-6.44	-9.76	3	Vertical	360	1.00	43.32	17.11	0.48	27.35
PK	64.92M	29.89	40.00	-10.11	-15.23	3	Vertical	360	1.00	45.12	11.49	0.60	27.32
PK	330.7M	28.34	46.00	-17.66	-6.51	3	Vertical	360	1.00	34.85	18.92	1.38	26.81
PK	499.48M	29.69	46.00	-16.31	-3.98	3	Vertical	360	1.00	33.67	22.43	1.70	28.11
PK	749.74M	31.30	46.00	-14.70	-1.10	3	Vertical	360	1.00	32.40	24.93	2.05	28.08

2.4-2.4835GHz_802.15.4

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	62.98M	34.82	40.00	-5.18	-15.21	3	Horizontal	0	1.00	50.03	11.52	0.59	27.32
PK	94.02M	38.06	43.50	-5.44	-11.59	3	Horizontal	0	1.00	49.65	14.92	0.73	27.24
PK	142.52M	27.55	43.50	-15.95	-10.00	3	Horizontal	0	1.00	37.55	16.17	0.91	27.08
PK	202.66M	30.28	43.50	-13.22	-11.27	3	Horizontal	0	1.00	41.55	14.42	1.10	26.79
PK	332.64M	30.31	46.00	-15.69	-6.48	3	Horizontal	0	1.00	36.79	18.95	1.39	26.82
PK	540.22M	30.62	46.00	-15.38	-2.81	3	Horizontal	0	1.00	33.43	23.57	1.73	28.11



Summary

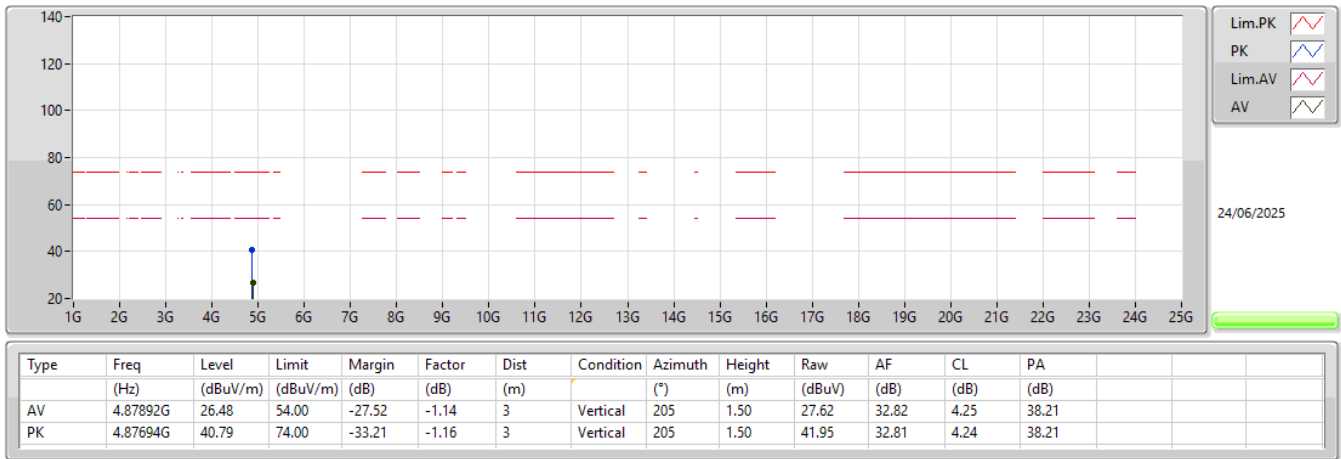
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.15.4	Pass	AV	4.87892G	26.48	54.00	-27.52	3	Vertical	205	1.50

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.15.4	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	AV	4.87892G	26.48	54.00	-27.52	3	Vertical	205	1.50
2440MHz	Pass	PK	4.87694G	40.79	74.00	-33.21	3	Vertical	205	1.50
2440MHz	Pass	AV	4.88084G	26.38	54.00	-27.62	3	Horizontal	11	1.96
2440MHz	Pass	PK	4.88528G	40.24	74.00	-33.76	3	Horizontal	11	1.96

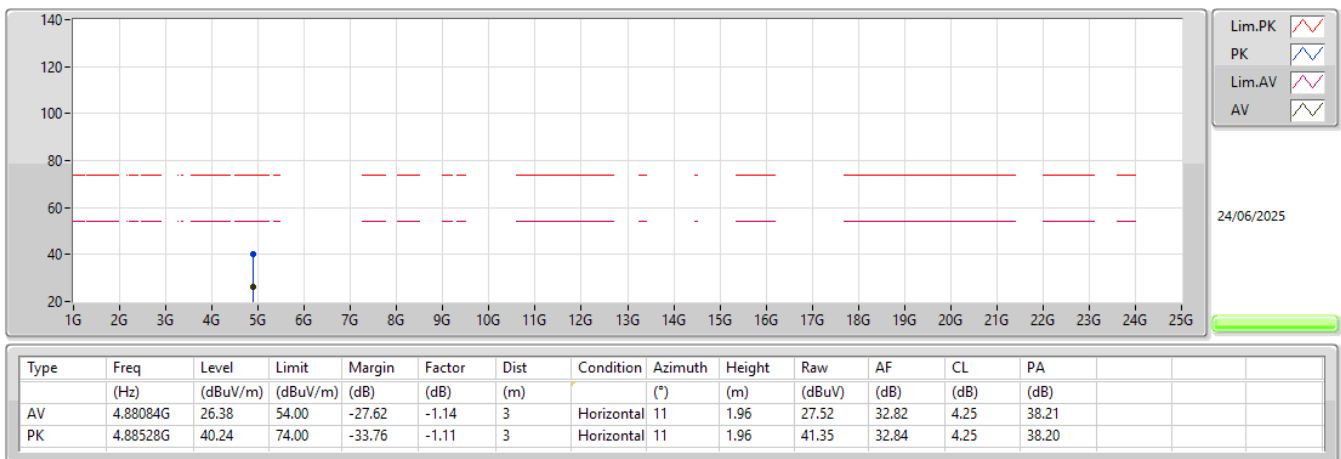
2.4-2.4835GHz_802.15.4

2440MHz_TX



2.4-2.4835GHz_802.15.4

2440MHz_TX





Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.15.4	Pass	2.38G	2.5035G	AV	2.48362G	2.90	-44.35	-41.45	-41.20	-0.25

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.15.4	-	-	-	-	-	-	-	-	-	-
2405MHz	Pass	2.38G	2.5035G	AV	2.38976G	2.90	-62.80	-59.90	-41.20	-18.70
2405MHz	Pass	2.38G	2.5035G	PK	2.38914G	2.90	-52.44	-49.54	-21.20	-28.34
2440MHz	Pass	2.38G	2.5035G	AV	2.4846G	2.90	-65.37	-62.47	-41.20	-21.27
2440MHz	Pass	2.38G	2.5035G	PK	2.49584G	2.90	-53.83	-50.93	-21.20	-29.73
2480MHz	Pass	2.38G	2.5035G	AV	2.48362G	2.90	-44.35	-41.45	-41.20	-0.25
2480MHz	Pass	2.38G	2.5035G	PK	2.48374G	2.90	-35.36	-32.46	-21.20	-11.26

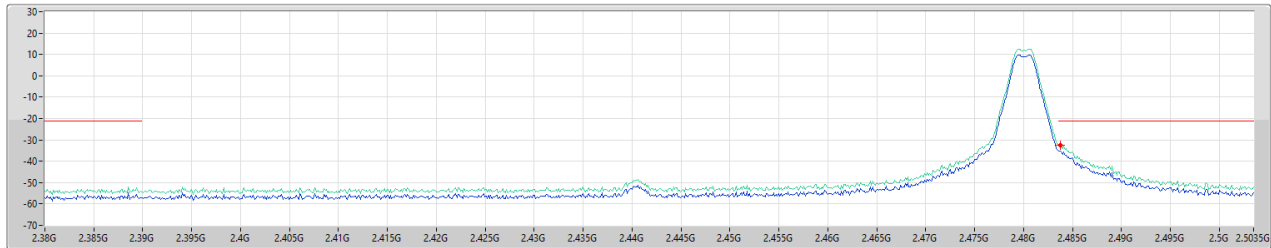
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_802.15.4

CSE Bandedge-DTS [PK]

2480MHz

04/07/2025



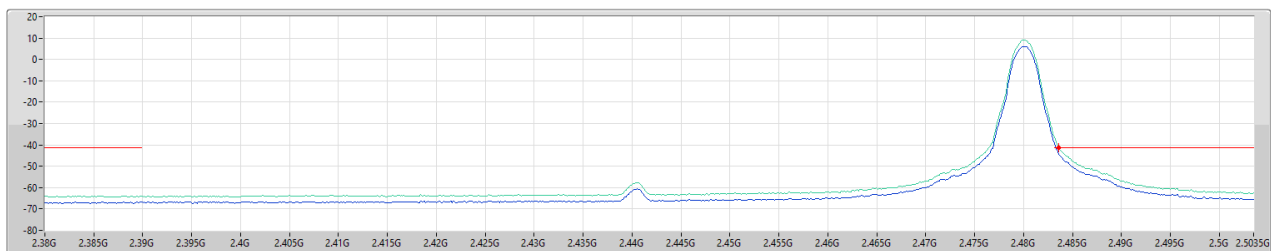
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
2.38G	2.5035G	1M	PK	2.48374G	-32.46	-21.20	-11.26	2.90	0.00	-35.36	-35.36

2.4-2.4835GHz_802.15.4

CSE Bandedge-DTS [AV]

2480MHz

04/07/2025



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
2.38G	2.5035G	1M	AV	2.48362G	-41.45	-41.20	-0.25	2.90	0.00	-44.35	-44.35



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.15.4	Pass	2.38G	2.5035G	AV	2.48362G	11.20	-52.80	-41.60	-41.20	-0.40

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.15.4	-	-	-	-	-	-	-	-	-	-
2405MHz	Pass	2.38G	2.5035G	AV	2.38976G	11.20	-62.80	-51.60	-41.20	-10.40
2405MHz	Pass	2.38G	2.5035G	PK	2.38914G	11.20	-52.44	-41.24	-21.20	-20.04
2440MHz	Pass	2.38G	2.5035G	AV	2.4846G	11.20	-65.37	-54.17	-41.20	-12.97
2440MHz	Pass	2.38G	2.5035G	PK	2.49584G	11.20	-53.83	-42.63	-21.20	-21.43
2480MHz	Pass	2.38G	2.5035G	AV	2.48362G	11.20	-52.80	-41.60	-41.20	-0.40
2480MHz	Pass	2.38G	2.5035G	PK	2.48362G	11.20	-42.97	-31.77	-21.20	-10.57

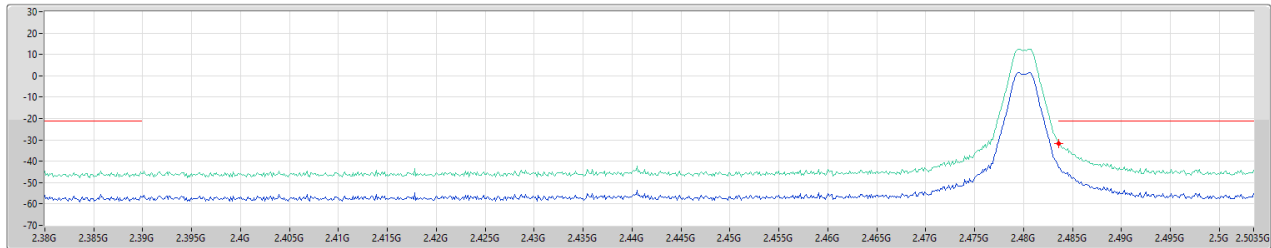
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_802.15.4

CSE Bandedge-DTS [PK]

2480MHz

04/07/2025



Limit:PK
EIRP:PK
Port 1

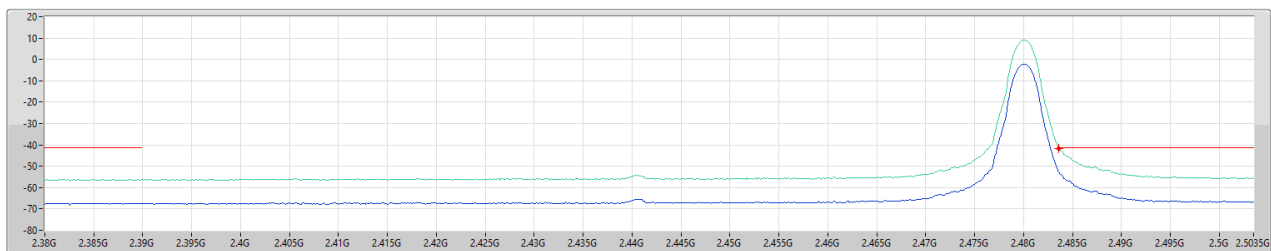
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
2.38G	2.5035G	1M	PK	2.48362G	-31.77	-21.20	-10.57	11.20	0.00	-42.97	-42.97

2.4-2.4835GHz_802.15.4

CSE Bandedge-DTS [AV]

2480MHz

04/07/2025



Limit:AV
EIRP:AV
Port 1

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
2.38G	2.5035G	1M	AV	2.48362G	-41.60	-41.20	-0.40	11.20	0.00	-52.80	-52.80



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-
802.15.4	Pass	1G	25G	AV	15.883G	-57.79	-41.20	-16.59

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.15.4	-	-	-	-	-	-	-	-
2405MHz	Pass	1G	25G	AV	4.807G	-69.17	-41.20	-27.97
2405MHz	Pass	1G	25G	AV	15.889G	-58.46	-41.20	-17.26
2405MHz	Pass	1G	25G	PK	4.807G	-62.62	-21.20	-41.42
2405MHz	Pass	1G	25G	PK	19.597G	-51.58	-21.20	-30.38
2440MHz	Pass	1G	25G	AV	4.879G	-69.16	-41.20	-27.96
2440MHz	Pass	1G	25G	AV	15.895G	-58.28	-41.20	-17.08
2440MHz	Pass	1G	25G	PK	4.876G	-62.16	-21.20	-40.96
2440MHz	Pass	1G	25G	PK	15.91G	-50.09	-21.20	-28.89
2480MHz	Pass	1G	25G	AV	4.963G	-69.03	-41.20	-27.83
2480MHz	Pass	1G	25G	AV	15.883G	-57.79	-41.20	-16.59
2480MHz	Pass	1G	25G	PK	4.963G	-60.98	-21.20	-39.78
2480MHz	Pass	1G	25G	PK	15.88G	-50.33	-21.20	-29.13

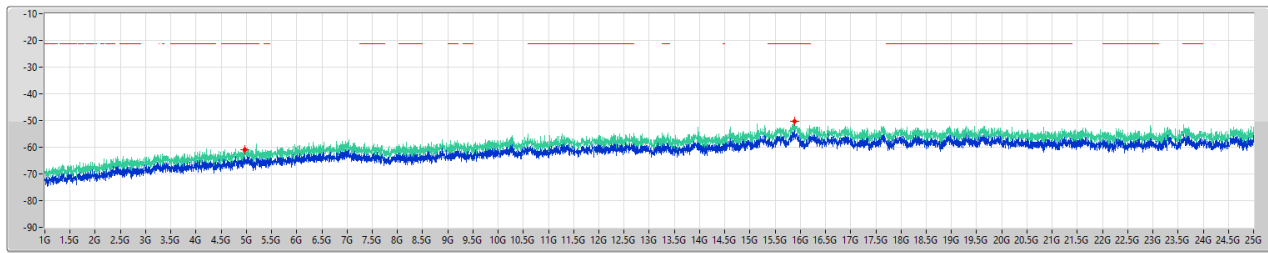
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_802.15.4

CSE-DTS [PK]

2480MHz

04/07/2025



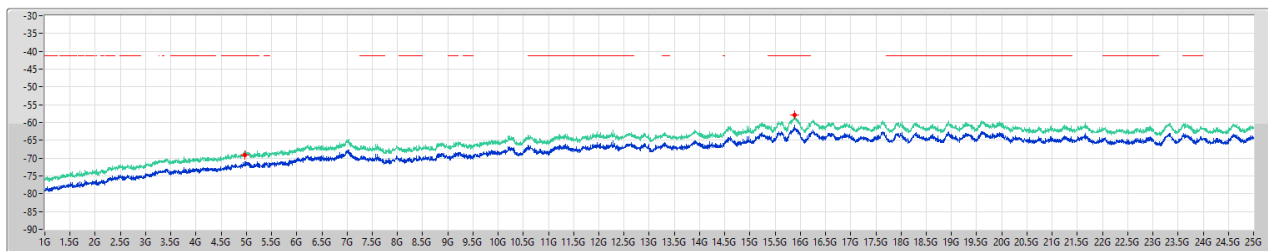
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	4.963G	-60.98	-21.20	-39.78	2.90	0.00	-63.88	-63.88
1G	25G	1M	PK	15.88G	-50.33	-21.20	-29.13	2.90	0.00	-53.23	-53.23

2.4-2.4835GHz_802.15.4

CSE-DTS [AV]

2480MHz

04/07/2025



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	4.963G	-69.03	-41.20	-27.83	2.90	0.00	-71.93	-71.93
1G	25G	1M	AV	15.88G	-57.79	-41.20	-16.59	2.90	0.00	-60.69	-60.69



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-
802.15.4	Pass	1G	25G	AV	15.895G	-49.98	-41.20	-8.78

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.15.4	-	-	-	-	-	-	-	-
2405MHz	Pass	1G	25G	AV	4.807G	-60.87	-41.20	-19.67
2405MHz	Pass	1G	25G	AV	15.889G	-50.16	-41.20	-8.96
2405MHz	Pass	1G	25G	PK	4.807G	-54.32	-21.20	-33.12
2405MHz	Pass	1G	25G	PK	19.597G	-43.28	-21.20	-22.08
2440MHz	Pass	1G	25G	AV	4.879G	-60.86	-41.20	-19.66
2440MHz	Pass	1G	25G	AV	15.895G	-49.98	-41.20	-8.78
2440MHz	Pass	1G	25G	PK	4.876G	-53.86	-21.20	-32.66
2440MHz	Pass	1G	25G	PK	15.91G	-41.79	-21.20	-20.59
2480MHz	Pass	1G	25G	AV	4.96G	-60.55	-41.20	-19.35
2480MHz	Pass	1G	25G	AV	15.898G	-50.25	-41.20	-9.05
2480MHz	Pass	1G	25G	PK	4.957G	-53.31	-21.20	-32.11
2480MHz	Pass	1G	25G	PK	15.913G	-42.88	-21.20	-21.68

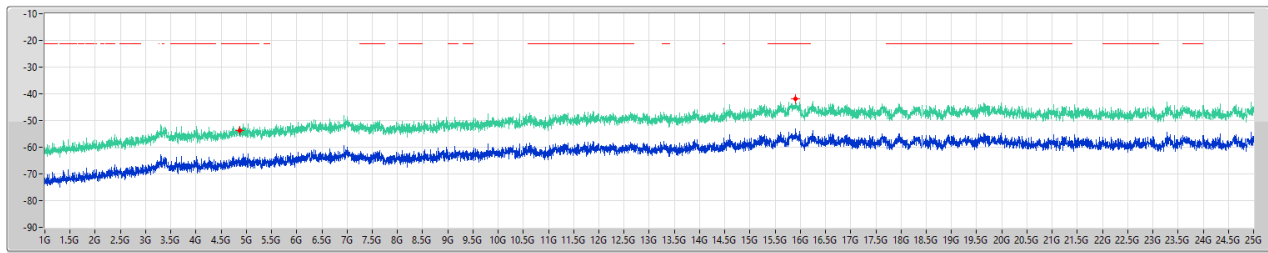
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

2.4-2.4835GHz_802.15.4

CSE-DTS [PK]

2440MHz

04/07/2025



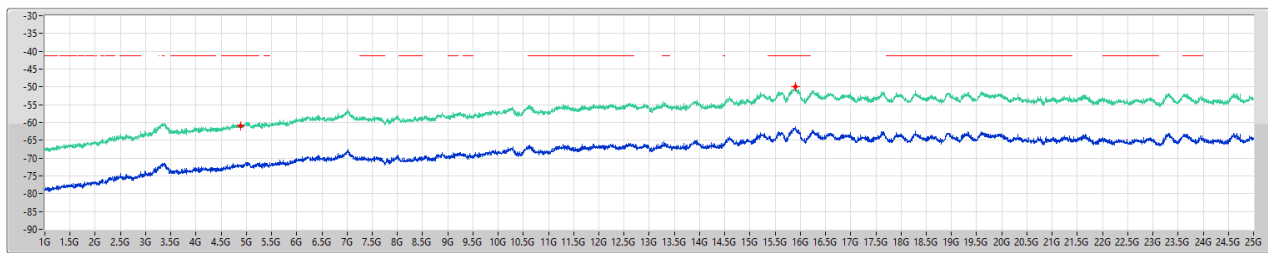
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	4.876G	-53.86	-21.20	-32.66	11.20	0.00	-65.06	-65.06
1G	25G	1M	PK	15.91G	-41.79	-21.20	-20.59	11.20	0.00	-52.99	-52.99

2.4-2.4835GHz_802.15.4

CSE-DTS [AV]

2440MHz

04/07/2025



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	4.879G	-60.86	-41.20	-19.66	11.20	0.00	-72.06	-72.06
1G	25G	1M	AV	15.895G	-49.98	-41.20	-8.78	11.20	0.00	-61.18	-61.18

Summary

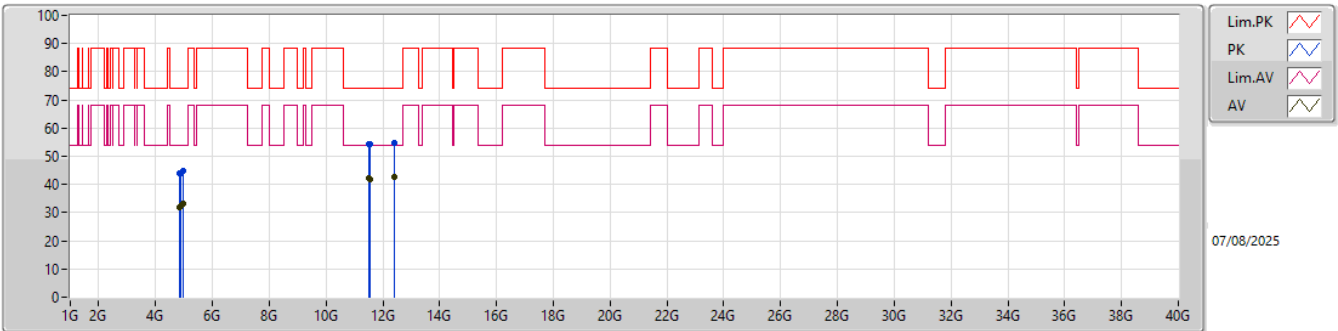
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	12.39G	42.71	54.00	-11.29	Vertical
Mode 2	Pass	AV	12.39G	42.66	54.00	-11.34	Vertical
Mode 3	Pass	AV	12.3738G	42.85	54.00	-11.15	Vertical
Mode 4	Pass	AV	11.49072G	42.85	54.00	-11.15	Horizontal

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	4.82391G	31.95	54.00	-22.05	3	Vertical	53	1.50
Mode 1	Pass	AV	4.87476G	32.24	54.00	-21.76	3	Vertical	268	1.50
Mode 1	Pass	AV	4.95811G	33.10	54.00	-20.90	3	Vertical	30	1.50
Mode 1	Pass	AV	11.49G	42.22	54.00	-11.78	3	Vertical	207	1.50
Mode 1	Pass	AV	11.57G	41.81	54.00	-12.19	3	Vertical	210	1.50
Mode 1	Pass	AV	12.39G	42.71	54.00	-11.29	3	Vertical	239	1.50
Mode 1	Pass	PK	4.82394G	44.01	74.00	-29.99	3	Vertical	53	1.50
Mode 1	Pass	PK	4.87649G	43.98	74.00	-30.02	3	Vertical	268	1.50
Mode 1	Pass	PK	4.95776G	45.03	74.00	-28.97	3	Vertical	30	1.50
Mode 1	Pass	PK	11.49G	54.37	74.00	-19.63	3	Vertical	207	1.50
Mode 1	Pass	PK	11.57G	54.52	74.00	-19.48	3	Vertical	210	1.50
Mode 1	Pass	PK	12.39G	54.79	74.00	-19.21	3	Vertical	239	1.50
Mode 1	Pass	AV	4.82175G	31.98	54.00	-22.02	3	Horizontal	106	1.59
Mode 1	Pass	AV	4.87331G	32.09	54.00	-21.91	3	Horizontal	213	1.50
Mode 1	Pass	AV	4.96G	32.92	54.00	-21.08	3	Horizontal	27	1.50
Mode 1	Pass	AV	11.49G	42.34	54.00	-11.66	3	Horizontal	315	1.50
Mode 1	Pass	AV	11.57G	41.94	54.00	-12.06	3	Horizontal	50	1.50
Mode 1	Pass	AV	12.39G	42.66	54.00	-11.34	3	Horizontal	250	1.50
Mode 1	Pass	PK	4.8224G	45.22	74.00	-28.78	3	Horizontal	106	1.59
Mode 1	Pass	PK	4.87539G	43.39	74.00	-30.61	3	Horizontal	213	1.50
Mode 1	Pass	PK	4.95944G	44.94	74.00	-29.06	3	Horizontal	27	1.50
Mode 1	Pass	PK	11.49G	53.96	74.00	-20.04	3	Horizontal	315	1.50
Mode 1	Pass	PK	11.57G	53.34	74.00	-20.66	3	Horizontal	50	1.50
Mode 1	Pass	PK	12.39G	54.58	74.00	-19.42	3	Horizontal	250	1.50
Mode 2	Pass	AV	4.8242G	31.79	54.00	-22.21	3	Vertical	267	1.50
Mode 2	Pass	AV	4.87546G	32.10	54.00	-21.90	3	Vertical	80	1.50
Mode 2	Pass	AV	4.95978G	32.84	54.00	-21.16	3	Vertical	24	1.26
Mode 2	Pass	AV	11.49G	42.15	54.00	-11.85	3	Vertical	203	1.50
Mode 2	Pass	AV	11.57G	41.89	54.00	-12.11	3	Vertical	81	1.62
Mode 2	Pass	AV	12.39G	42.66	54.00	-11.34	3	Vertical	65	1.50
Mode 2	Pass	PK	4.82528G	44.09	74.00	-29.91	3	Vertical	267	1.50
Mode 2	Pass	PK	4.87251G	44.20	74.00	-29.80	3	Vertical	80	1.50
Mode 2	Pass	PK	4.96052G	44.60	74.00	-29.40	3	Vertical	24	1.26
Mode 2	Pass	PK	11.49G	54.02	74.00	-19.98	3	Vertical	203	1.50
Mode 2	Pass	PK	11.57G	53.29	74.00	-20.71	3	Vertical	81	1.62
Mode 2	Pass	PK	12.39G	54.59	74.00	-19.41	3	Vertical	65	1.50
Mode 2	Pass	AV	4.82423G	31.82	54.00	-22.18	3	Horizontal	2	1.27
Mode 2	Pass	AV	4.87175G	32.14	54.00	-21.86	3	Horizontal	360	1.50
Mode 2	Pass	AV	4.9593G	32.86	54.00	-21.14	3	Horizontal	44	1.50
Mode 2	Pass	AV	11.49G	42.38	54.00	-11.62	3	Horizontal	316	1.50
Mode 2	Pass	AV	11.57G	41.94	54.00	-12.06	3	Horizontal	360	1.50
Mode 2	Pass	AV	12.39G	42.64	54.00	-11.36	3	Horizontal	72	1.14
Mode 2	Pass	PK	4.82384G	43.40	74.00	-30.60	3	Horizontal	2	1.27
Mode 2	Pass	PK	4.872G	44.35	74.00	-29.65	3	Horizontal	360	1.50
Mode 2	Pass	PK	4.95796G	44.24	74.00	-29.76	3	Horizontal	44	1.50
Mode 2	Pass	PK	11.49G	54.07	74.00	-19.93	3	Horizontal	316	1.50
Mode 2	Pass	PK	11.57G	53.41	74.00	-20.59	3	Horizontal	360	1.50
Mode 2	Pass	PK	12.39G	54.98	74.00	-19.02	3	Horizontal	72	1.14
Mode 3	Pass	AV	4.83272G	31.91	54.00	-22.09	3	Vertical	105	1.50
Mode 3	Pass	AV	4.86984G	32.15	54.00	-21.85	3	Vertical	124	2.71

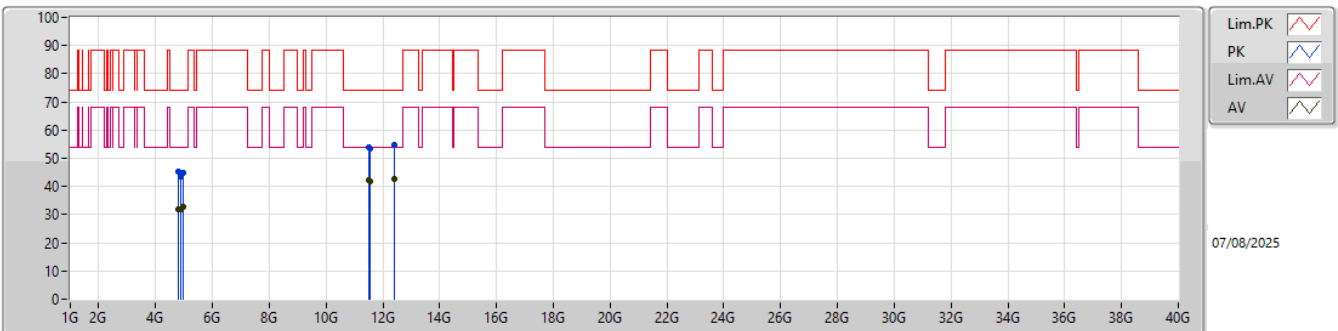
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 3	Pass	AV	4.87764G	32.31	54.00	-21.69	3	Vertical	289	1.50
Mode 3	Pass	AV	11.49464G	42.23	54.00	-11.77	3	Vertical	243	1.50
Mode 3	Pass	AV	11.5626G	41.82	54.00	-12.18	3	Vertical	281	1.50
Mode 3	Pass	AV	12.3738G	42.85	54.00	-11.15	3	Vertical	106	1.50
Mode 3	Pass	AV	13.06944G	44.14	68.20	-24.06	3	Vertical	124	1.50
Mode 3	Pass	PK	4.83356G	43.91	74.00	-30.09	3	Vertical	105	1.50
Mode 3	Pass	PK	4.87428G	43.71	74.00	-30.29	3	Vertical	289	1.50
Mode 3	Pass	PK	4.88236G	43.78	74.00	-30.22	3	Vertical	124	2.71
Mode 3	Pass	PK	11.49376G	53.54	74.00	-20.46	3	Vertical	243	1.50
Mode 3	Pass	PK	11.57556G	53.67	74.00	-20.33	3	Vertical	281	1.50
Mode 3	Pass	PK	12.371G	54.05	74.00	-19.95	3	Vertical	106	1.50
Mode 3	Pass	PK	13.0712G	56.41	88.20	-31.79	3	Vertical	124	1.50
Mode 3	Pass	AV	4.83324G	32.02	54.00	-21.98	3	Horizontal	274	1.69
Mode 3	Pass	AV	4.87384G	32.59	54.00	-21.41	3	Horizontal	118	1.00
Mode 3	Pass	AV	4.88152G	32.12	54.00	-21.88	3	Horizontal	190	1.50
Mode 3	Pass	AV	11.48624G	42.28	54.00	-11.72	3	Horizontal	329	1.50
Mode 3	Pass	AV	11.5638G	42.00	54.00	-12.00	3	Horizontal	113	2.23
Mode 3	Pass	AV	12.36672G	42.73	54.00	-11.27	3	Horizontal	53	1.50
Mode 3	Pass	AV	13.06568G	43.96	68.20	-24.24	3	Horizontal	130	1.50
Mode 3	Pass	PK	4.82992G	43.11	74.00	-30.89	3	Horizontal	274	1.69
Mode 3	Pass	PK	4.87688G	43.69	74.00	-30.31	3	Horizontal	190	1.50
Mode 3	Pass	PK	4.88032G	43.48	74.00	-30.52	3	Horizontal	118	1.00
Mode 3	Pass	PK	11.49024G	54.95	74.00	-19.05	3	Horizontal	329	1.50
Mode 3	Pass	PK	11.57044G	53.60	74.00	-20.40	3	Horizontal	113	2.23
Mode 3	Pass	PK	12.37876G	53.88	74.00	-20.12	3	Horizontal	53	1.50
Mode 3	Pass	PK	13.06732G	55.25	88.20	-32.95	3	Horizontal	130	1.50
Mode 4	Pass	AV	4.83372G	32.31	54.00	-21.69	3	Vertical	360	2.82
Mode 4	Pass	AV	4.8758G	32.47	54.00	-21.53	3	Vertical	301	2.60
Mode 4	Pass	AV	4.87836G	32.58	54.00	-21.42	3	Vertical	350	2.83
Mode 4	Pass	AV	11.49336G	42.75	54.00	-11.25	3	Vertical	192	1.50
Mode 4	Pass	AV	11.57128G	42.24	54.00	-11.76	3	Vertical	79	1.41
Mode 4	Pass	AV	13.07248G	44.07	68.20	-24.13	3	Vertical	145	1.50
Mode 4	Pass	PK	4.83188G	43.78	74.00	-30.22	3	Vertical	360	2.82
Mode 4	Pass	PK	4.86624G	44.39	74.00	-29.61	3	Vertical	350	2.83
Mode 4	Pass	PK	4.87708G	44.12	74.00	-29.88	3	Vertical	301	2.60
Mode 4	Pass	PK	11.49512G	54.06	74.00	-19.94	3	Vertical	192	1.50
Mode 4	Pass	PK	11.5776G	53.88	74.00	-20.12	3	Vertical	79	1.41
Mode 4	Pass	PK	13.06464G	55.93	88.20	-32.27	3	Vertical	145	1.50
Mode 4	Pass	AV	4.83056G	32.19	54.00	-21.81	3	Horizontal	171	2.51
Mode 4	Pass	AV	4.87684G	32.55	54.00	-21.45	3	Horizontal	129	1.50
Mode 4	Pass	AV	4.87884G	32.56	54.00	-21.44	3	Horizontal	114	1.50
Mode 4	Pass	AV	11.49072G	42.85	54.00	-11.15	3	Horizontal	185	2.75
Mode 4	Pass	AV	11.5724G	42.16	54.00	-11.84	3	Horizontal	270	1.50
Mode 4	Pass	AV	13.06448G	44.10	68.20	-24.10	3	Horizontal	254	1.50
Mode 4	Pass	PK	4.8242G	43.67	74.00	-30.33	3	Horizontal	171	2.51
Mode 4	Pass	PK	4.86704G	43.93	74.00	-30.07	3	Horizontal	129	1.50
Mode 4	Pass	PK	4.88328G	43.95	74.00	-30.05	3	Horizontal	114	1.50
Mode 4	Pass	PK	11.49204G	53.65	74.00	-20.35	3	Horizontal	185	2.75
Mode 4	Pass	PK	11.56948G	53.98	74.00	-20.02	3	Horizontal	270	1.50
Mode 4	Pass	PK	13.06172G	55.38	88.20	-32.82	3	Horizontal	254	1.50

Radiated Emissions above 1GHz_Mode 1



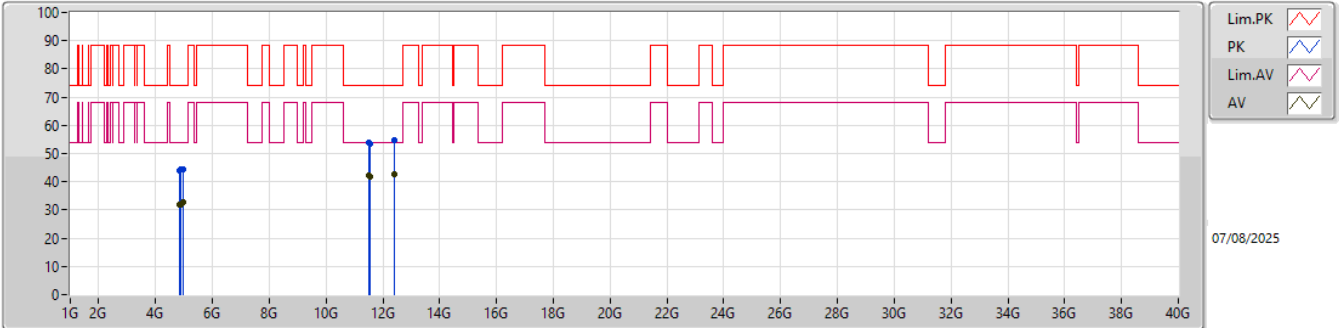
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.82391G	31.95	54.00	-22.05	2.36	3	Vertical	53	1.50	29.59	32.40	5.02	35.06
AV	4.87476G	32.24	54.00	-21.76	2.55	3	Vertical	268	1.50	29.69	32.60	5.01	35.06
AV	4.95811G	33.10	54.00	-20.90	2.96	3	Vertical	30	1.50	30.14	33.03	5.00	35.07
AV	11.49G	42.22	54.00	-11.78	12.87	3	Vertical	207	1.50	29.35	38.90	7.99	34.02
AV	11.57G	41.81	54.00	-12.19	12.72	3	Vertical	210	1.50	29.09	38.72	8.01	34.01
AV	12.39G	42.71	54.00	-11.29	13.38	3	Vertical	239	1.50	29.33	38.84	8.25	33.71
PK	4.82394G	44.01	74.00	-29.99	2.36	3	Vertical	53	1.50	41.65	32.40	5.02	35.06
PK	4.87649G	43.98	74.00	-30.02	2.56	3	Vertical	268	1.50	41.42	32.61	5.01	35.06
PK	4.95776G	45.03	74.00	-28.97	2.96	3	Vertical	30	1.50	42.07	33.03	5.00	35.07
PK	11.49G	54.37	74.00	-19.63	12.87	3	Vertical	207	1.50	41.50	38.90	7.99	34.02
PK	11.57G	54.52	74.00	-19.48	12.72	3	Vertical	210	1.50	41.80	38.72	8.01	34.01
PK	12.39G	54.79	74.00	-19.21	13.38	3	Vertical	239	1.50	41.41	38.84	8.25	33.71

Radiated Emissions above 1GHz_Mode 1



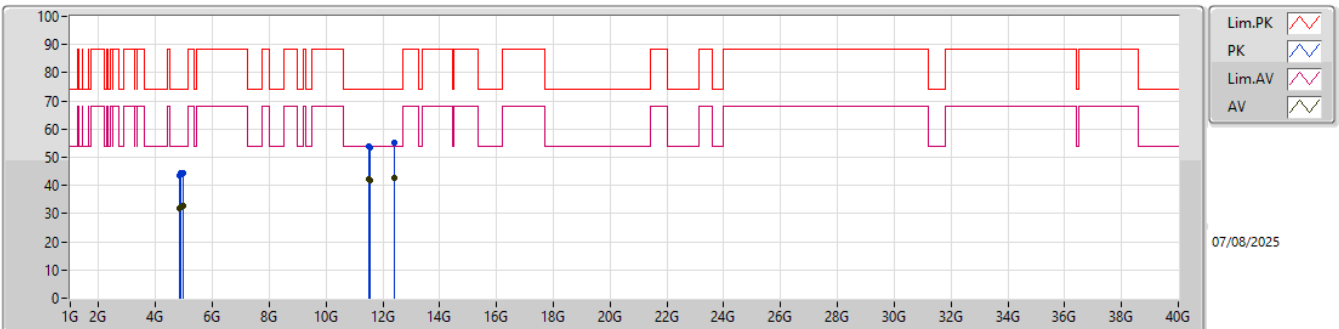
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AV	4.82175G	31.98	54.00	-22.02	2.35	3	Horizontal	106	1.59	29.63	32.39	5.02	35.06
AV	4.87331G	32.09	54.00	-21.91	2.54	3	Horizontal	213	1.50	29.55	32.59	5.01	35.06
AV	4.96G	32.92	54.00	-21.08	2.97	3	Horizontal	27	1.50	29.95	33.04	5.00	35.07
AV	11.49G	42.34	54.00	-11.66	12.87	3	Horizontal	315	1.50	29.47	38.90	7.99	34.02
AV	11.57G	41.94	54.00	-12.06	12.72	3	Horizontal	50	1.50	29.22	38.72	8.01	34.01
AV	12.39G	42.66	54.00	-11.34	13.38	3	Horizontal	250	1.50	29.28	38.84	8.25	33.71
PK	4.8224G	45.22	74.00	-28.78	2.35	3	Horizontal	106	1.59	42.87	32.39	5.02	35.06
PK	4.87539G	43.39	74.00	-30.61	2.55	3	Horizontal	213	1.50	40.84	32.60	5.01	35.06
PK	4.95944G	44.94	74.00	-29.06	2.97	3	Horizontal	27	1.50	41.97	33.04	5.00	35.07
PK	11.49G	53.96	74.00	-20.04	12.87	3	Horizontal	315	1.50	41.09	38.90	7.99	34.02
PK	11.57G	53.34	74.00	-20.66	12.72	3	Horizontal	50	1.50	40.62	38.72	8.01	34.01
PK	12.39G	54.58	74.00	-19.42	13.38	3	Horizontal	250	1.50	41.20	38.84	8.25	33.71

Radiated Emissions above 1GHz_Mode 2



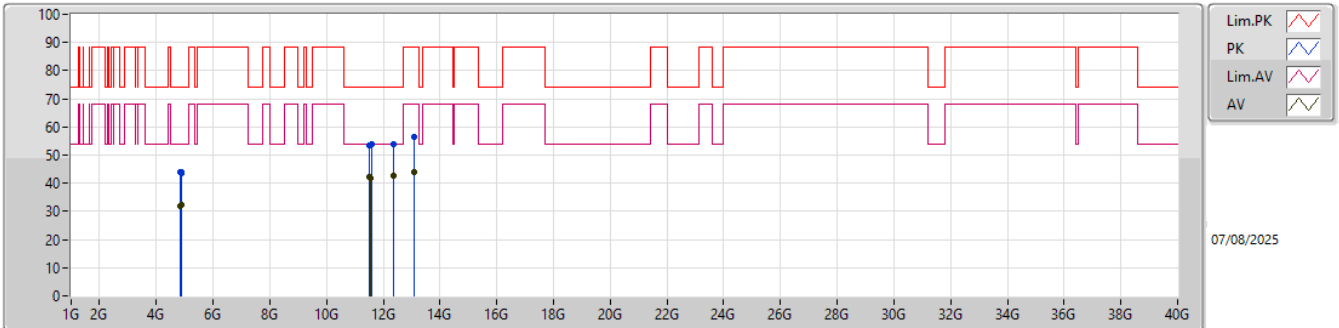
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.8242G	31.79	54.00	-22.21	2.36	3	Vertical	267	1.50	29.43	32.40	5.02	35.06
AV	4.87546G	32.10	54.00	-21.90	2.55	3	Vertical	80	1.50	29.55	32.60	5.01	35.06
AV	4.95978G	32.84	54.00	-21.16	2.97	3	Vertical	24	1.26	29.87	33.04	5.00	35.07
AV	11.49G	42.15	54.00	-11.85	12.87	3	Vertical	203	1.50	29.28	38.90	7.99	34.02
AV	11.57G	41.89	54.00	-12.11	12.72	3	Vertical	81	1.62	29.17	38.72	8.01	34.01
AV	12.39G	42.66	54.00	-11.34	13.38	3	Vertical	65	1.50	29.28	38.84	8.25	33.71
PK	4.82528G	44.09	74.00	-29.91	2.36	3	Vertical	267	1.50	41.73	32.40	5.02	35.06
PK	4.87251G	44.20	74.00	-29.80	2.54	3	Vertical	80	1.50	41.66	32.59	5.01	35.06
PK	4.96052G	44.60	74.00	-29.40	2.97	3	Vertical	24	1.26	41.63	33.04	5.00	35.07
PK	11.49G	54.02	74.00	-19.98	12.87	3	Vertical	203	1.50	41.15	38.90	7.99	34.02
PK	11.57G	53.29	74.00	-20.71	12.72	3	Vertical	81	1.62	40.57	38.72	8.01	34.01
PK	12.39G	54.59	74.00	-19.41	13.38	3	Vertical	65	1.50	41.21	38.84	8.25	33.71

Radiated Emissions above 1GHz_Mode 2



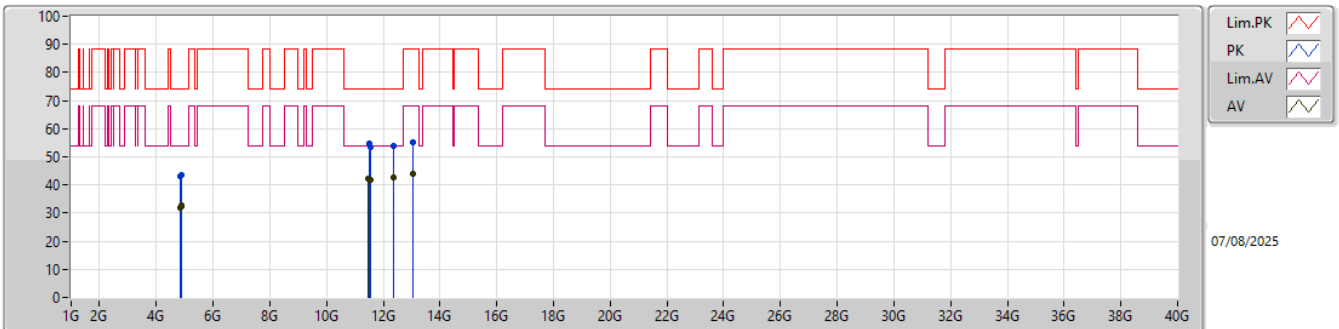
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.82423G	31.82	54.00	-22.18	2.36	3	Horizontal	2	1.27	29.46	32.40	5.02	35.06
AV	4.87175G	32.14	54.00	-21.86	2.54	3	Horizontal	360	1.50	29.60	32.59	5.01	35.06
AV	4.9593G	32.86	54.00	-21.14	2.97	3	Horizontal	44	1.50	29.89	33.04	5.00	35.07
AV	11.49G	42.38	54.00	-11.62	12.87	3	Horizontal	316	1.50	29.51	38.90	7.99	34.02
AV	11.57G	41.94	54.00	-12.06	12.72	3	Horizontal	360	1.50	29.22	38.72	8.01	34.01
AV	12.39G	42.64	54.00	-11.36	13.38	3	Horizontal	72	1.14	29.26	38.84	8.25	33.71
PK	4.82384G	43.40	74.00	-30.60	2.36	3	Horizontal	2	1.27	41.04	32.40	5.02	35.06
PK	4.872G	44.35	74.00	-29.65	2.54	3	Horizontal	360	1.50	41.81	32.59	5.01	35.06
PK	4.95796G	44.24	74.00	-29.76	2.96	3	Horizontal	44	1.50	41.28	33.03	5.00	35.07
PK	11.49G	54.07	74.00	-19.93	12.87	3	Horizontal	316	1.50	41.20	38.90	7.99	34.02
PK	11.57G	53.41	74.00	-20.59	12.72	3	Horizontal	360	1.50	40.69	38.72	8.01	34.01
PK	12.39G	54.98	74.00	-19.02	13.38	3	Horizontal	72	1.14	41.60	38.84	8.25	33.71

Radiated Emissions above 1GHz_Mode 3



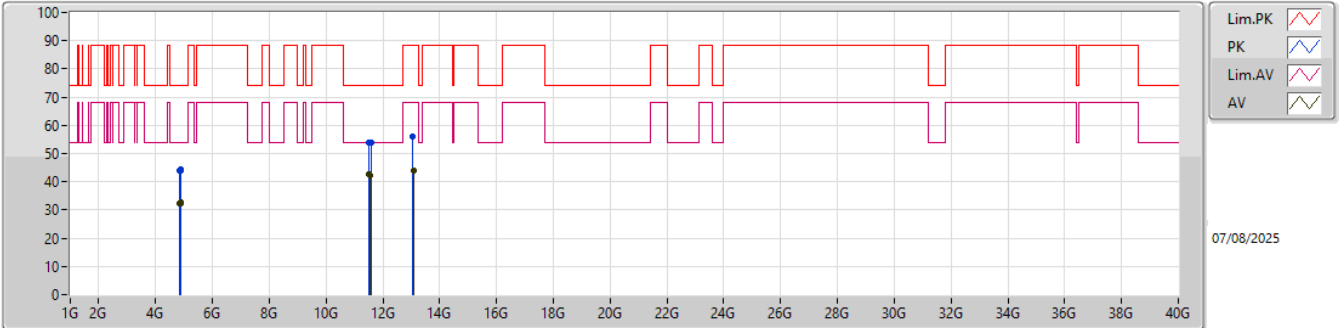
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.83272G	31.91	54.00	-22.09	2.39	3	Vertical	105	1.50	29.52	32.43	5.02	35.06
AV	4.86984G	32.15	54.00	-21.85	2.53	3	Vertical	124	2.71	29.62	32.58	5.01	35.06
AV	4.87764G	32.31	54.00	-21.69	2.56	3	Vertical	289	1.50	29.75	32.61	5.01	35.06
AV	11.49464G	42.23	54.00	-11.77	12.87	3	Vertical	243	1.50	29.36	38.90	7.99	34.02
AV	11.5626G	41.82	54.00	-12.18	12.75	3	Vertical	281	1.50	29.07	38.75	8.01	34.01
AV	12.3738G	42.85	54.00	-11.15	13.43	3	Vertical	106	1.50	29.42	38.90	8.25	33.72
AV	13.06944G	44.14	68.20	-24.06	15.56	3	Vertical	124	1.50	28.58	39.70	8.47	32.61
PK	4.83356G	43.91	74.00	-30.09	2.39	3	Vertical	105	1.50	41.52	32.43	5.02	35.06
PK	4.87428G	43.71	74.00	-30.29	2.55	3	Vertical	289	1.50	41.16	32.60	5.01	35.06
PK	4.88236G	43.78	74.00	-30.22	2.58	3	Vertical	124	2.71	41.20	32.63	5.01	35.06
PK	11.49376G	53.54	74.00	-20.46	12.87	3	Vertical	243	1.50	40.67	38.90	7.99	34.02
PK	11.57556G	53.67	74.00	-20.33	12.71	3	Vertical	281	1.50	40.96	38.70	8.02	34.01
PK	12.371G	54.05	74.00	-19.95	13.45	3	Vertical	106	1.50	40.60	38.92	8.25	33.72
PK	13.0712G	56.41	88.20	-31.79	15.56	3	Vertical	124	1.50	40.85	39.70	8.47	32.61

Radiated Emissions above 1GHz_Mode 3



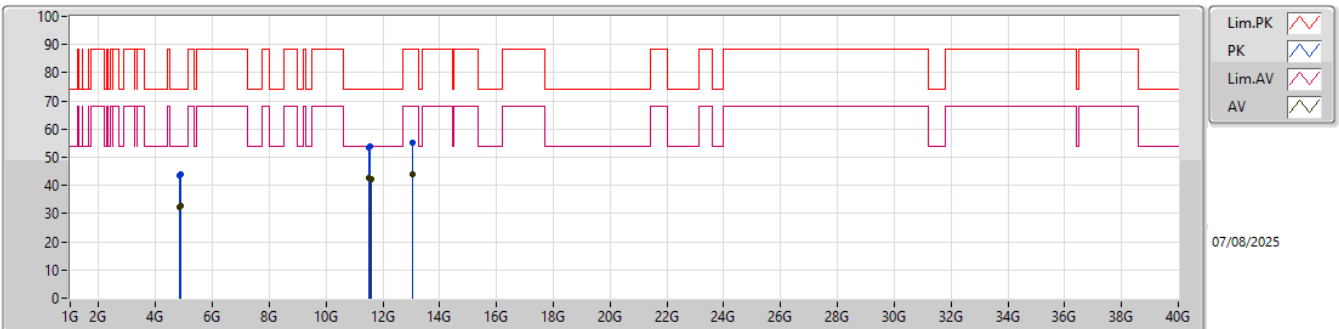
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.83324G	32.02	54.00	-21.98	2.39	3	Horizontal	274	1.69	29.63	32.43	5.02	35.06
AV	4.87384G	32.59	54.00	-21.41	2.55	3	Horizontal	118	1.00	30.04	32.60	5.01	35.06
AV	4.88152G	32.12	54.00	-21.88	2.58	3	Horizontal	190	1.50	29.54	32.63	5.01	35.06
AV	11.48624G	42.28	54.00	-11.72	12.87	3	Horizontal	329	1.50	29.41	38.90	7.99	34.02
AV	11.5638G	42.00	54.00	-12.00	12.74	3	Horizontal	113	2.23	29.26	38.74	8.01	34.01
AV	12.36672G	42.73	54.00	-11.27	13.46	3	Horizontal	53	1.50	29.27	38.93	8.25	33.72
AV	13.06568G	43.96	68.20	-24.24	15.56	3	Horizontal	130	1.50	28.40	39.70	8.47	32.61
PK	4.82992G	43.11	74.00	-30.89	2.38	3	Horizontal	274	1.69	40.73	32.42	5.02	35.06
PK	4.87688G	43.69	74.00	-30.31	2.56	3	Horizontal	190	1.50	41.13	32.61	5.01	35.06
PK	4.88032G	43.48	74.00	-30.52	2.57	3	Horizontal	118	1.00	40.91	32.62	5.01	35.06
PK	11.49024G	54.95	74.00	-19.05	12.87	3	Horizontal	329	1.50	42.08	38.90	7.99	34.02
PK	11.57044G	53.60	74.00	-20.40	12.72	3	Horizontal	113	2.23	40.88	38.72	8.01	34.01
PK	12.37876G	53.88	74.00	-20.12	13.41	3	Horizontal	53	1.50	40.47	38.88	8.25	33.72
PK	13.06732G	55.25	88.20	-32.95	15.56	3	Horizontal	130	1.50	39.69	39.70	8.47	32.61

Radiated Emissions above 1GHz_Mode 4



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	4.83372G	32.31	54.00	-21.69	2.39	3	Vertical	360	2.82	29.92	32.43	5.02	35.06
AV	4.8758G	32.47	54.00	-21.53	2.55	3	Vertical	301	2.60	29.92	32.60	5.01	35.06
AV	4.87836G	32.58	54.00	-21.42	2.56	3	Vertical	350	2.83	30.02	32.61	5.01	35.06
AV	11.49336G	42.75	54.00	-11.25	12.87	3	Vertical	192	1.50	29.88	38.90	7.99	34.02
AV	11.57128G	42.24	54.00	-11.76	12.71	3	Vertical	79	1.41	29.53	38.71	8.01	34.01
AV	13.07248G	44.07	68.20	-24.13	15.57	3	Vertical	145	1.50	28.50	39.70	8.47	32.60
PK	4.83188G	43.78	74.00	-30.22	2.39	3	Vertical	360	2.82	41.39	32.43	5.02	35.06
PK	4.86624G	44.39	74.00	-29.61	2.51	3	Vertical	350	2.83	41.88	32.56	5.01	35.06
PK	4.87708G	44.12	74.00	-29.88	2.56	3	Vertical	301	2.60	41.56	32.61	5.01	35.06
PK	11.49512G	54.06	74.00	-19.94	12.87	3	Vertical	192	1.50	41.19	38.90	7.99	34.02
PK	11.5776G	53.88	74.00	-20.12	12.70	3	Vertical	79	1.41	41.18	38.69	8.02	34.01
PK	13.06464G	55.93	88.20	-32.27	15.55	3	Vertical	145	1.50	40.38	39.70	8.47	32.62

Radiated Emissions above 1GHz_Mode 4



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	4.83056G	32.19	54.00	-21.81	2.38	3	Horizontal	171	2.51	29.81	32.42	5.02	35.06
AV	4.87684G	32.55	54.00	-21.45	2.56	3	Horizontal	129	1.50	29.99	32.61	5.01	35.06
AV	4.87884G	32.56	54.00	-21.44	2.57	3	Horizontal	114	1.50	29.99	32.62	5.01	35.06
AV	11.49072G	42.85	54.00	-11.15	12.87	3	Horizontal	185	2.75	29.98	38.90	7.99	34.02
AV	11.5724G	42.16	54.00	-11.84	12.71	3	Horizontal	270	1.50	29.45	38.71	8.01	34.01
AV	13.06448G	44.10	68.20	-24.10	15.55	3	Horizontal	254	1.50	28.55	39.70	8.47	32.62
PK	4.8242G	43.67	74.00	-30.33	2.36	3	Horizontal	171	2.51	41.31	32.40	5.02	35.06
PK	4.86704G	43.93	74.00	-30.07	2.52	3	Horizontal	129	1.50	41.41	32.57	5.01	35.06
PK	4.88328G	43.95	74.00	-30.05	2.58	3	Horizontal	114	1.50	41.37	32.63	5.01	35.06
PK	11.49204G	53.65	74.00	-20.35	12.87	3	Horizontal	185	2.75	40.78	38.90	7.99	34.02
PK	11.56948G	53.98	74.00	-20.02	12.72	3	Horizontal	270	1.50	41.26	38.72	8.01	34.01
PK	13.06172G	55.38	88.20	-32.82	15.55	3	Horizontal	254	1.50	39.83	39.70	8.47	32.62