



RADIO TEST REPORT

FCC ID : TLZ-XM549
Equipment : IEEE 802.11 1X1 a/b/g/n/ac/ax Wireless LAN + Bluetooth
5.3 + 802.15.4 Tri-radio 12 x 12 LGA Module
Brand Name : AzureWave
Model Name : AW-XM549 , AW-XM549-I , AW-XM553 , AW-XM553-I
Applicant : AzureWave Technologies, Inc.
8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei
City , Taiwan 231
Manufacturer : AzureWave Technologies, Inc.
8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei
City , Taiwan 231
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 25, 2025, and testing was started from Nov. 14, 2025 and completed on Dec. 26, 2025. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2020 and shown compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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History of this test report

TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_9 Ver1.3

Page Number : 3 of 19
Issued Date : Jan. 20, 2026
Report Version : 01



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(d)	Emissions in Restricted Frequency Bands	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Vicky Huang



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	3	1

Note:

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

**1.1.2 Antenna Information**

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	MAG. LAYERS	MSA-4008-25GC1-A2	PIFA Antenna	I-PEX	Note1
2	1	CEL	0032-02-07-00-001	PIFA Antenna	N/A	
3	1	Taoglas	FXP830.54.0250C	Dipole Antenna	I-PEX	
4	1	Taoglas	GW20.54.0400A.km	Dipole Antenna	I-PEX	
5	1	Taoglas	GW20.54.0180A.km	Dipole Antenna	I-PEX	

Note1:

Ant.	Gain (dBi)	
	WLAN 2.4GHz/Bluetooth/Thread	WLAN 5GHz
1	2.98	5.16
2	1.30	4.30
Ant.	WLAN 2.4GHz/Bluetooth	WLAN 5GHz
3	3.1	6.08
4	2.33	1.73
5	2.47	2.62

Note 2: The above information was declared by manufacturer.

Note 3: For the AC Power Port Conducted Emission test: The EUT has two types of antennas. Only the highest gain antenna from each type was selected for testing. Thus, Antenna 1 and Antenna 3 were selected to perform the test.

For the RF conducted test: The EUT has two types of antennas. Only the highest gain antenna from each type was selected for testing. Thus, Antenna 1 and Antenna 3 (only WLAN) were selected to perform the test.

For the radiated test: The EUT has two types of antennas. After evaluating, Antenna 1, Antenna 3 and Antenna 5 were selected to perform the test.

<For WLAN 2.4GHz function>**For IEEE 802.11b/g/n/VHT/ax (1TX/1RX):**

Only Port 1 can be used as transmitting/receiving antenna.

<For WLAN 5GHz function>**For IEEE 802.11a/n/ac/ax (1TX/1RX):**

Only Port 1 can be used as transmitting/receiving antenna.

<For Bluetooth function> (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

<For Thread function> (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.



1.1.3 EUT Operational Condition

EUT Power Type	From host system		
Function	☒ Point-to-multipoint	☐ Point-to-point	
Test Software Version	DutApiMimoApApp.exe(V2.0.0.35)		

Note: The above information was declared by manufacturer.

1.1.4 Table for Multiple Listing

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

Model Name	Description
AW-XM549	All the models are identical, the difference model served as marketing strategy.
AW-XM549-I	
AW-XM553	
AW-XM553-I	

Note 1: From the above models, model: AW-XM549 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.1.5 Table for EUT Information

EUT	Hardware Version	Description
1	01H	The difference between 01H and 02H is the layout of DC-DC power. All RF layouts are the same.
2	02H	

Note: The above information was declared by manufacturer.

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR2O0715AE

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Add three sets of dipole antennas of a different type from the original application, with both higher and lower gain only for WLAN and Bluetooth function.	1. AC Power-line Conducted Emissions 2. Emissions in Restricted Frequency Bands
2. Update the reference standard to "ANSI C63.10-2020" from "ANSI C63.10-2013".	It does not affect the test.



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.247
- ♦ ANSI C63.10-2020

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

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

1.3 Testing Location Information

Testing Location Information				
Test Lab. : Sporton International Inc. Hsinchu Laboratory				
Hsinchu ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)				
(TAF: 3787) TEL: 886-3-656-9065 FAX: 886-3-656-9085				
Test site Designation No. TW3787 with FCC.				
Conformity Assessment Body Identifier (CABID) TW3787 with ISCED.				

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
Radiated (Below 1GHz)	03CH05-CB	Chris Li	21.5~22.9 / 57~60	Nov. 14, 2025~ Dec. 11, 2025
AC Conduction	CO01-CB	Tim Chen	22~23 / 54~55	Dec. 26, 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
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.7 dB	Confidence levels of 95%



2 Test Configuration of EUT

2.1 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	Normal Link
There are two modes of EUT, one is WLAN 2.4GHz + Bluetooth Mode, the other is WLAN 5GHz + Bluetooth Mode. After evaluating, WLAN 5GHz + Bluetooth Mode has been evaluated to be the worst case, thus measurement will follow this same test configuration.	
1	EUT 2 + WLAN 5GHz + Bluetooth + Antenna 3
2	EUT 1 + WLAN 5GHz + Bluetooth + Antenna 3
For operating mode 1 is the worst case and it was record in this test report.	

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	Normal Link
1. After evaluating, and the worst case was found at Z axis, so it was selected to perform test and its test result was written in the report. 2. There are two modes of EUT, one is WLAN 2.4GHz + Bluetooth Mode, the other is WLAN 5GHz + Bluetooth Mode. After evaluating, WLAN 5GHz + Bluetooth Mode has been evaluated to be the worst case, thus measurement will follow this same test configuration.	
1	EUT 2 in Z axis + WLAN 5GHz + Bluetooth + Antenna 3
2	EUT 2 in Z axis + WLAN 5GHz + Bluetooth + Antenna 5
3	EUT 1 in Z axis + WLAN 5GHz + Bluetooth + Antenna 3
4	EUT 1 in Z axis + WLAN 5GHz + Bluetooth + Antenna 5
For operating mode 3 is the worst case and it was record in this test report.	

2.2 EUT Operation during Test

During the test, the EUT operation to normal function.

2.3 Accessories

N/A



2.4 Support Equipment

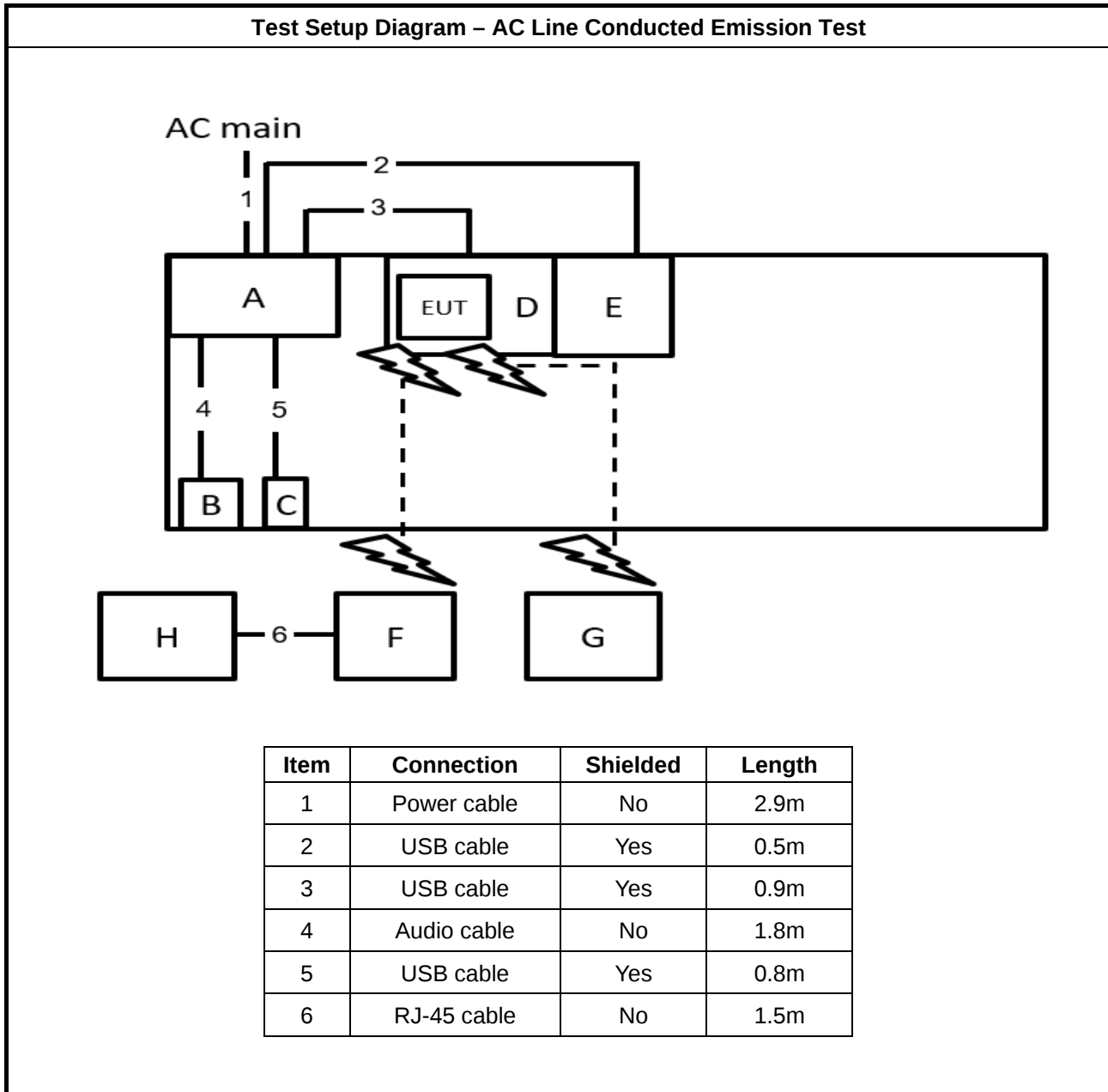
For AC Conduction:

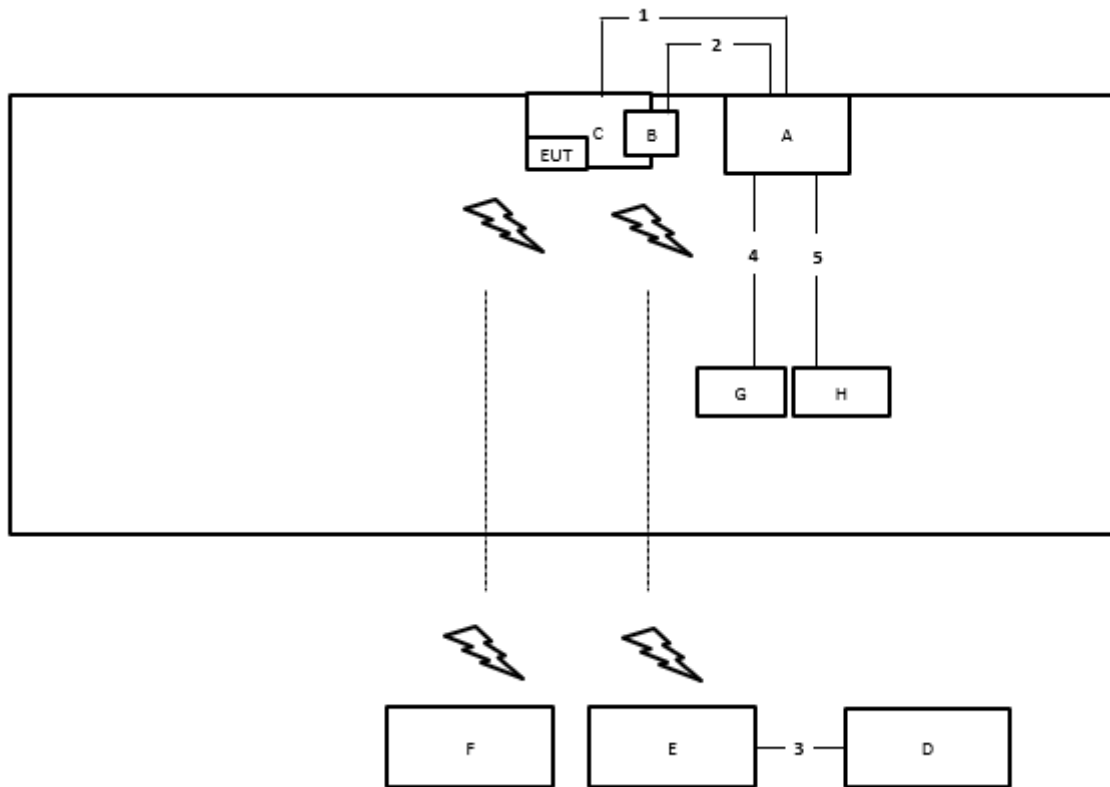
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	EUT NB	DELL	P39F	N/A
B	Earphone	e-Power	GT-02	N/A
C	Mouse	Acer	MOJFUO	N/A
D	Test Fixture 1	Azurewave	2549-I4	N/A
E	Test Fixture 2	Azurewave	9007-I12	N/A
F	AP Router	TP-LINK	Archer C54	TE7C54
G	Smart Phone	Samsung	Galaxy J2	A3LSMJ200Y
H	AP Router NB	DELL	E6430	N/A
I	Adapter	DELL	LA65NM130	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	P39F	N/A
B	Test Fixture 2	Azurewave	9007-I12	N/A
C	Test Fixture 1	Azurewave	2549-I4	N/A
D	NB	DELL	E6430	N/A
E	WLAN AP(WIFI 5G)	ASUS	RT-AX88U	MSQ-RTAXHP00
F	iPhone 12(BT)	Apple	A2403	BCG-E3544A
G	Mouse	Logitech	M-U0026	N/A
H	Earphone	SHYARO CHI	MIC-04	N/A

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	USB to Micro cable	Yes	1m
2	USB to Micro cable	Yes	1m
3	RJ-45 cable	No	10m
4	USB cable	Yes	1m
5	Audio cable	No	1m



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.

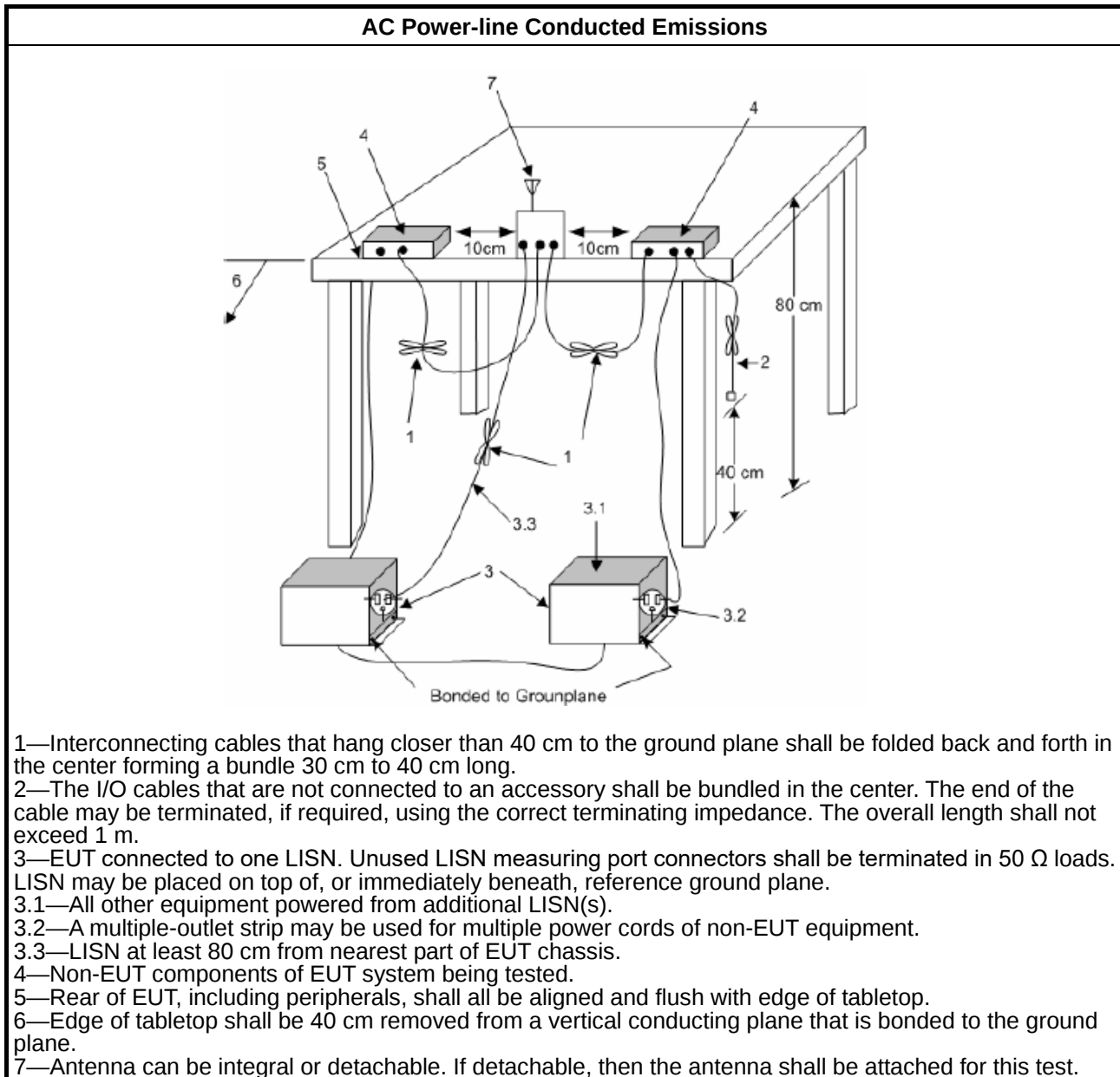
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2020, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emissions in Restricted Frequency Bands

3.2.1 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.

3.2.2 Measuring Instruments

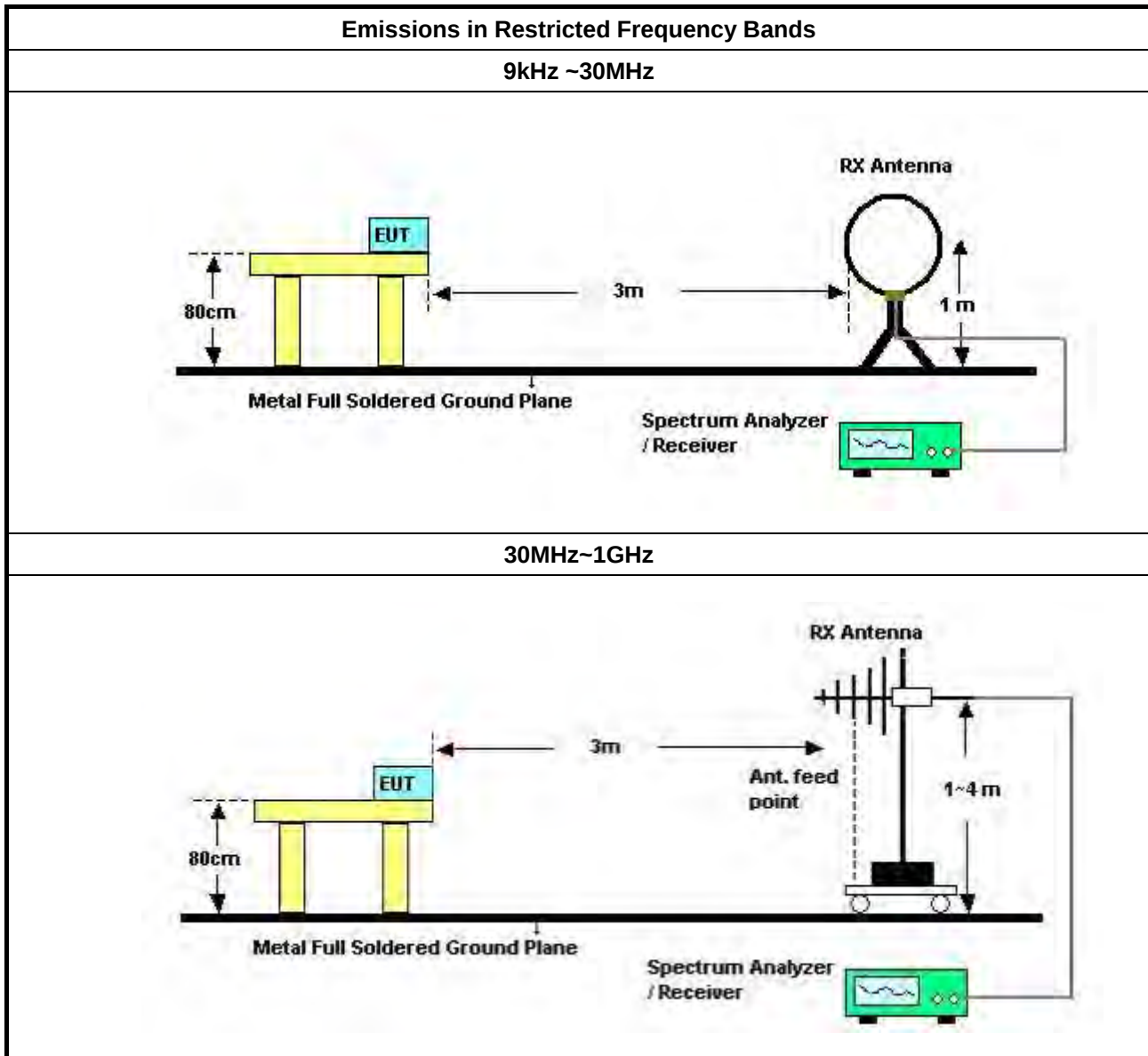
Refer a test equipment and calibration data table in this test report.



3.2.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq 98\%$).
☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW $\geq 1/T$).
☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as FCC KDB 558074 clause 8.7 & c63.10 clause 11.13.1, 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 FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	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 FCC 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.

3.2.4 Test Setup



3.2.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.2.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.



3.2.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix B



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 06, 2025	Mar. 05, 2026	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 18, 2025	Feb. 17, 2026	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	May 10, 2025	May 09, 2026	Conduction (CO01-CB)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
COND Cable	Woken	Cable	CO01	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Jul. 31, 2025	Jul. 30, 2026	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 22, 2025	Mar. 21, 2026	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2025	Apr. 30, 2026	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 21, 2025	Apr. 20, 2026	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102171	9kHz ~ 7GHz	Aug. 04, 2025	Aug. 03, 2026	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 20, 2025	Oct. 19, 2026	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.10	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)

Note: Calibration Interval of instruments listed above is one year.
NCR means Non-Calibration required.



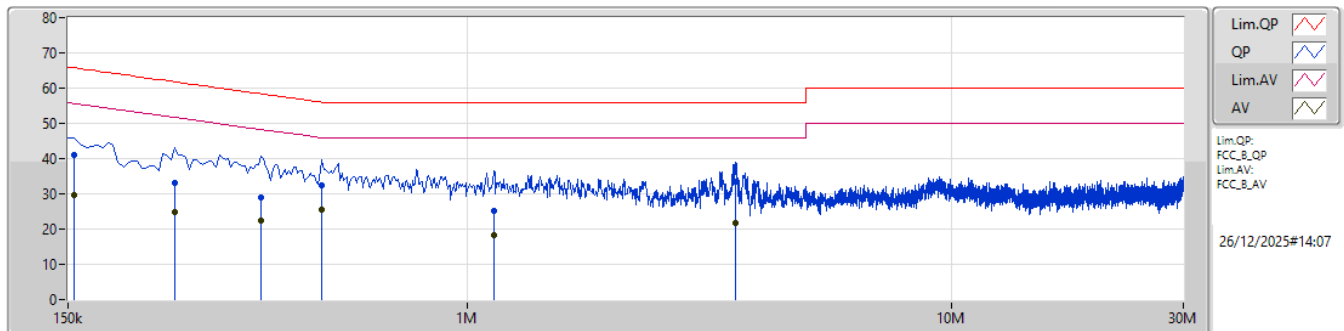
Conducted Emissions at Powerline

Appendix A

Summary

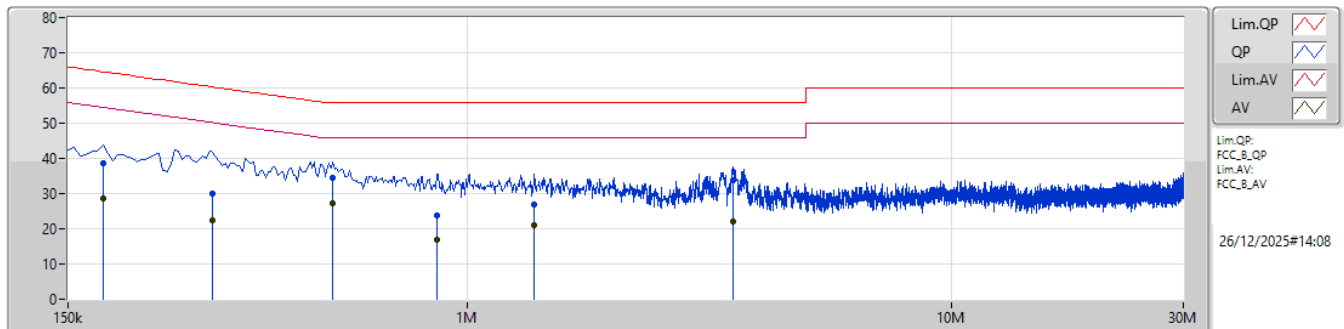
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	528k	27.37	46.00	-18.63	Neutral

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	154.5k	41.04	65.75	-24.71	10.00	Line	-	31.04	0.05	0.09	9.86						
AV	154.5k	29.57	55.75	-26.18	10.00	Line	-	19.57	0.05	0.09	9.86						
QP	249k	32.94	61.79	-28.85	9.94	Line	-	23.00	0.06	0.08	9.80						
AV	249k	24.76	51.79	-27.03	9.94	Line	-	14.82	0.06	0.08	9.80						
QP	375k	28.93	58.39	-29.46	10.05	Line	-	18.88	0.05	0.11	9.89						
AV	375k	22.25	48.39	-26.14	10.05	Line	-	12.20	0.05	0.11	9.89						
QP	500k	32.29	56.00	-23.71	10.09	Line	-	22.20	0.06	0.13	9.90						
AV	500k	25.36	46.00	-20.64	10.09	Line	"Worst"	15.27	0.06	0.13	9.90						
QP	1.136M	25.12	56.00	-30.88	10.09	Line	-	15.03	0.08	0.15	9.86						
AV	1.136M	18.11	46.00	-27.89	10.09	Line	-	8.02	0.08	0.15	9.86						
QP	3.579M	33.56	56.00	-22.44	10.02	Line	-	23.54	0.12	0.14	9.76						
AV	3.579M	21.57	46.00	-24.43	10.02	Line	-	11.55	0.12	0.14	9.76						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	177k	38.66	64.62	-25.96	9.97	Neutral	-	28.69	0.08	0.08	9.81						
AV	177k	28.72	54.62	-25.90	9.97	Neutral	-	18.75	0.08	0.08	9.81						
QP	298.5k	29.83	60.28	-30.45	10.01	Neutral	-	19.82	0.08	0.09	9.84						
AV	298.5k	22.47	50.28	-27.81	10.01	Neutral	-	12.46	0.08	0.09	9.84						
QP	528k	34.58	56.00	-21.42	10.11	Neutral	-	24.47	0.08	0.13	9.90						
AV	528k	27.37	46.00	-18.63	10.11	Neutral	"Worst"	17.26	0.08	0.13	9.90						
QP	865.5k	23.91	56.00	-32.09	10.13	Neutral	-	13.78	0.09	0.15	9.89						
AV	865.5k	17.05	46.00	-28.95	10.13	Neutral	-	6.92	0.09	0.15	9.89						
QP	1.374M	27.04	56.00	-28.96	10.07	Neutral	-	16.97	0.10	0.15	9.82						
AV	1.374M	20.88	46.00	-25.12	10.07	Neutral	-	10.81	0.10	0.15	9.82						
QP	3.53M	33.76	56.00	-22.24	10.05	Neutral	-	23.71	0.15	0.14	9.76						
AV	3.53M	22.04	46.00	-23.96	10.05	Neutral	-	11.99	0.15	0.14	9.76						



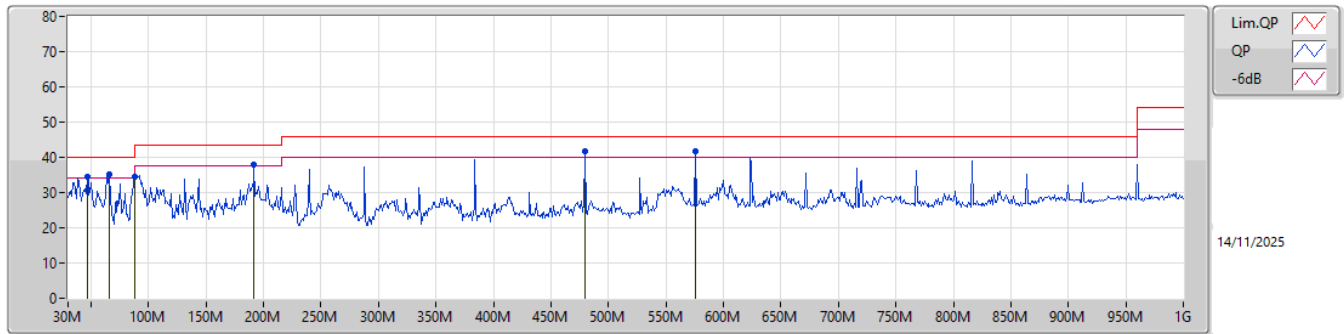
Radiated Emissions below 1GHz

Appendix B

Summary

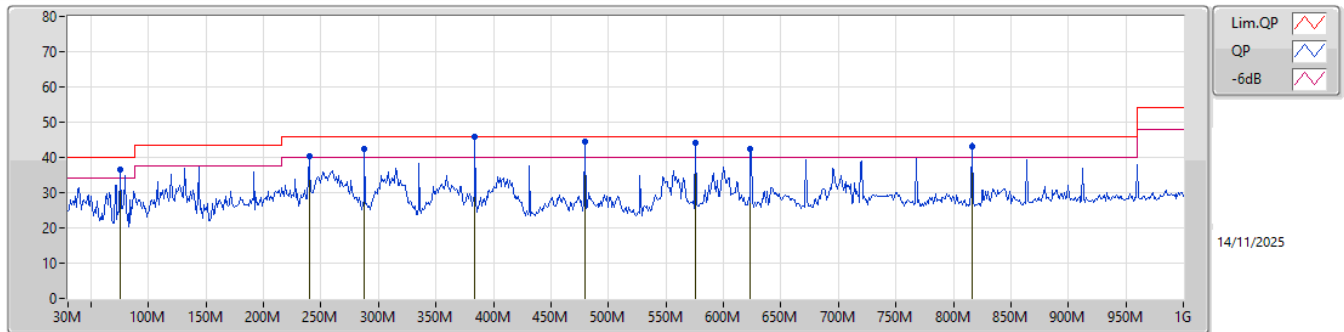
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	QP	384.05M	45.96	46.00	-0.04	Horizontal

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	46.49M	34.36	40.00	-5.64	-15.65	3	Vertical	104	1.00	-	50.01	15.55	0.65	31.85		
PK	65.89M	35.31	40.00	-4.69	-18.91	3	Vertical	148	2.00	-	54.22	12.29	0.78	31.98		
PK	88M	34.55	40.00	-5.45	-16.68	3	Vertical	62	1.25	-	51.23	14.44	0.89	32.01		
PK	191.99M	38.08	43.50	-5.42	-15.66	3	Vertical	360	1.25	-	53.74	15.02	1.35	32.03		
PK	480.08M	41.66	46.00	-4.34	-7.18	3	Vertical	276	3.00	"Worst"	48.84	22.98	2.20	32.36		
PK	576.11M	41.65	46.00	-4.35	-5.39	3	Vertical	131	2.00	-	47.04	24.53	2.44	32.36		

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	75.59M	36.70	40.00	-3.30	-18.52	3	Horizontal	166	3.00	-	55.22	12.65	0.82	31.99		
PK	240M	40.19	46.00	-5.81	-13.34	3	Horizontal	31	2.00	-	53.53	17.20	1.52	32.06		
PK	288.02M	42.30	46.00	-3.70	-11.53	3	Horizontal	49	1.00	-	53.83	18.93	1.67	32.13		
QP	384.05M	45.96	46.00	-0.04	-9.15	3	Horizontal	352	1.00	"Worst"	55.11	21.05	1.96	32.16		
QP	480.08M	44.62	46.00	-1.38	-7.18	3	Horizontal	132	1.00	-	51.80	22.98	2.20	32.36		
QP	576.11M	44.16	46.00	-1.84	-5.39	3	Horizontal	126	1.50	-	49.55	24.53	2.44	32.36		
PK	623.64M	42.35	46.00	-3.65	-5.18	3	Horizontal	126	1.50	-	47.53	24.80	2.55	32.53		
QP	816.67M	43.14	46.00	-2.86	-3.97	3	Horizontal	161	1.00	-	47.11	25.77	2.97	32.71		