



FCC PART 15.249

TEST REPORT

For

Lifeart Limited.

Mocatta House, Blackmore Ct Brighton and Hove BN1 4DU, United Kingdom

FCC ID: 2BVH2LA-UKKJ2026

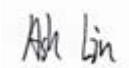
Report Type: Original Report	Product Name: Art Sensored Polar Bear Lamp
Report Number:	<u>2607R25726E-RF-01</u>
Report Date:	<u>2026-06-09</u>
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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2607R25726E-RF-01	R1V1	2026-06-09	Initial Release

GENERAL INFORMATION**Product Description for Equipment under Test (EUT)**

Applicant:	Lifeart Limited.
Product Name:	Art Sensored Polar Bear Lamp
Tested Model:	LAKJ11501-003
Multiple Model(s):	N/A
Trade Mark:	K&J
Power Supply:	DC 5V from USB port or DC 3.7V from battery
RF Function:	SRD
Operating Band/Frequency:	5791MHz
Modulation Type:	FMCW
Antenna Type:	PCB Antenna
★Maximum Antenna Gain:	3.6dBi
<i>Note:</i> 1. The maximum antenna gain is provided by the applicant. 2. All measurement and test data in this report was gathered from production sample serial number: 3ISO-3 (Assigned by the BACL (Xiamen). The EUT supplied by the applicant was received on 2026-03-10)	

Objective

This test report is prepared for *Lifeart Limited.* in accordance with Part 2-Subpart J, and Part 15-Subparts A and C of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209, 15.215 and 15.249 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

Measurement Uncertainty

Item		U _{lab}
Conducted Emissions	150kHz-30MHz(LISN)	2.52dB
Radiated Spurious Emission	9kHz~150kHz	2.82dB
	150kHz~30MHz	2.74dB
	30MHz ~1GHz	4.68dB
	1GHz~18GHz	5.00dB
	18GHz~26.5GHz	4.90dB
	26.5GHz~40GHz	4.90dB
Occupied Bandwidth		1.69%
Temperature		1°C
Humidity		5%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Xiamen) to collect test data is located on the Unit 102, No. 902 Meifeng South Road, Binhai West Avenue Science and Technology Innovation Park, Torch High Tech Zone Xiamen, People's Republic of China.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, FCC Registration No.: 485720, the FCC Designation No.: CN1384.

SYSTEM TEST CONFIGURATION

Test Mode and Voltage

The system was configured for testing in a typical mode (as normally used by a typical user).	
Test mode:	Transmitting
Test voltage:	DC 5V from adapter(AC 120V/60Hz)
Remark:	During all emission tests, the EUT was configured to measure its highest possible emission level and the worst case's test data was presented in this test report.

Justification

The system was configured in testing mode which was provided by manufacturer.

EUT Exercise Software

Engineering Mode was provided by manufacturer.

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

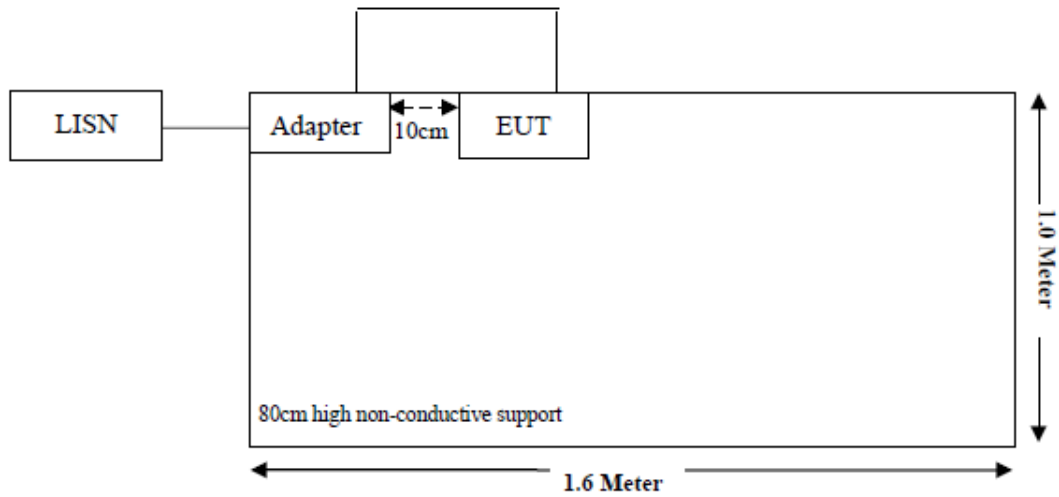
Manufacturer	Description	Model	Serial Number
Fangxin	Adapter	FX2U-050100U	Unknown

External I/O Cable

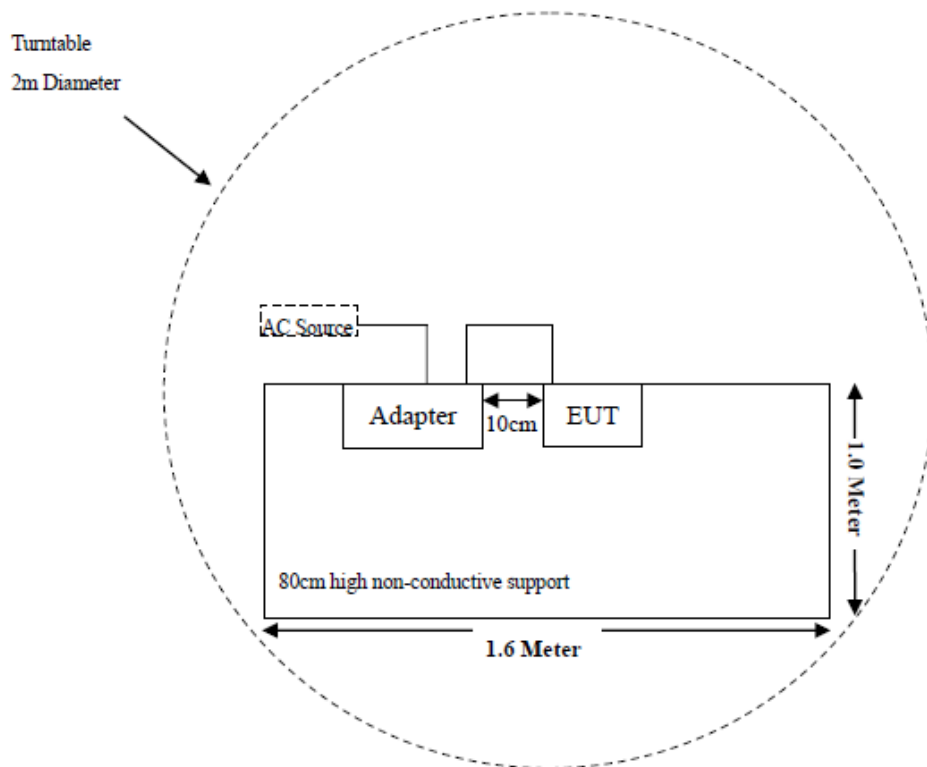
Cable Description	Length (m)	From Port	To
USB cable	1	EUT	Adapter

Block Diagram of Test Setup

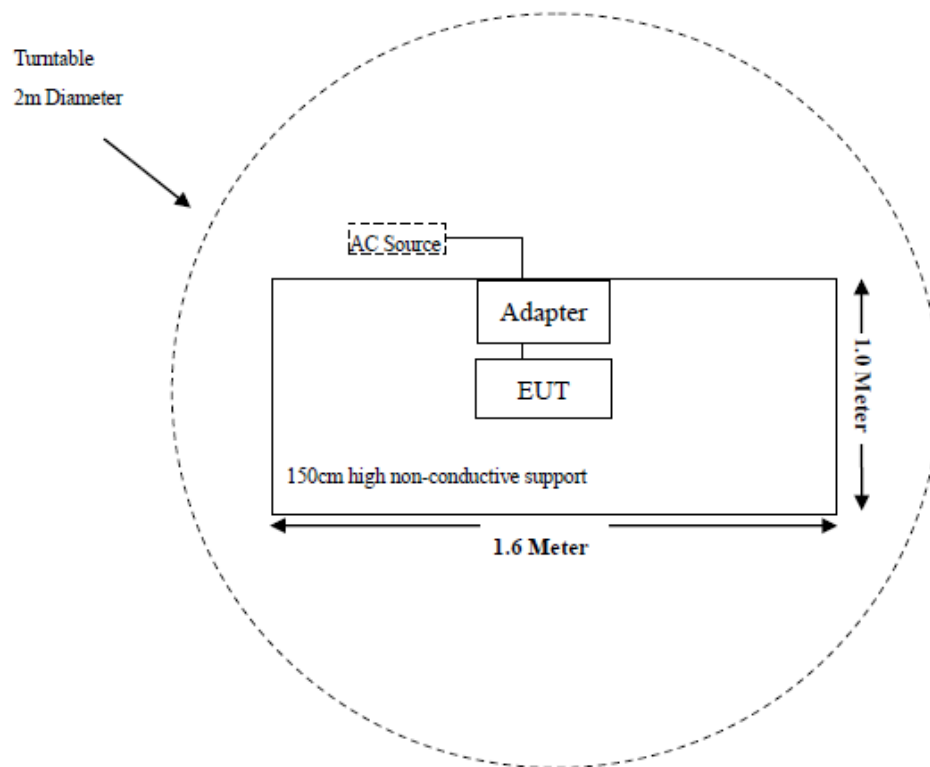
For Conducted Emissions:



For Radiated Spurious Emission:
Below 1GHz



Above 1GHz



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliant
§15.207(a)	Conducted Emissions	Compliant
§15.205, §15.209, §15.249	Radiated Emissions & Fundamental Test & Out-of-band Emissions Test	Compliant
§15.215 (c)	20 dB Bandwidth	Compliant

TEST EQUIPMENT LIST

Test Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emissions Below 1 GHz					
EMI Test Receiver	Rohde & Schwarz	ESR	103103	2026/1/21	2027/1/20
Loop Antenna	Rohde & Schwarz	HFH2-Z2	830749/001	2023/7/27	2026/7/26
Antenna	Sunol Sciences	JB6	A122022-5	2023/7/27	2026/7/26
Amplifier	Sonoma	310B	120903	2026/1/22	2027/1/21
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC002	2026/1/20	2027/1/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-2M	CC006	2026/1/20	2027/1/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-12M	CC007	2026/1/20	2027/1/19
Coaxial Cable	XINHANGWEIBO	HFH2-CC	335.3609	2026/1/20	2027/1/19
Test Software	Audix	E3	18621a	N/A	N/A
Radiated Emissions Above 1 GHz					
Spectrum Analyzer	Rohde & Schwarz	FSU	100405	2026/1/21	2027/1/20
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102051	2026/1/21	2027/1/20
Filter Switch Unit	Decentest	DT7220FSU	DS79904	2026/1/20	2027/1/19
Multiplex Switch Test Control Set	Decentest	DT7220SCU	DS79901	2026/1/20	2027/1/19
Horn Antenna	EMCO	3115	9002-3355	2024/11/19	2027/11/18
Preamplifier	GLOBAL	1313-A100M18G	4121301	2026/1/14	2027/1/13
Coaxial Cable	XINHANGWEIBO	XH800A-N-6M	CC003	2026/1/20	2027/1/19
Coaxial Cable	XINHANGWEIBO	XH800A-N-1M	CC005	2026/1/20	2027/1/19
Horn Antenna	EMCO	3116	9407-2232	2023/7/31	2026/7/30
Preamplifier	A.H.Systems	PAM-1840	200	2026/1/20	2027/1/19
Coaxial Cable	XINHANGWEIBO	XH360A-2.92-3M	CC008	2026/1/20	2027/1/19
Coaxial Cable	XINHANGWEIBO	XH360A-2.92-1M	CC009	2026/1/20	2027/1/19
Test Software	Audix	E3	18621a	N/A	N/A
Conducted Emissions					
EMI Test Receiver	Rohde & Schwarz	ESR	103105	2026/1/21	2027/1/20
LISN	Rohde & Schwarz	ENV216	100129	2026/1/21	2027/1/20
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	0357.8810.54	2026/1/21	2027/1/20
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC001	2026/1/20	2027/1/19
Test Software	Audix	E3	18621a	N/A	N/A

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Xiamen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC§15.203 - ANTENNA REQUIREMENT

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

Antenna Connected Construction

The EUT has a PCB antenna which was permanently attached and the antenna gain is 3.6dBi; fulfill the requirement of this section. Please refer to EUT photos.

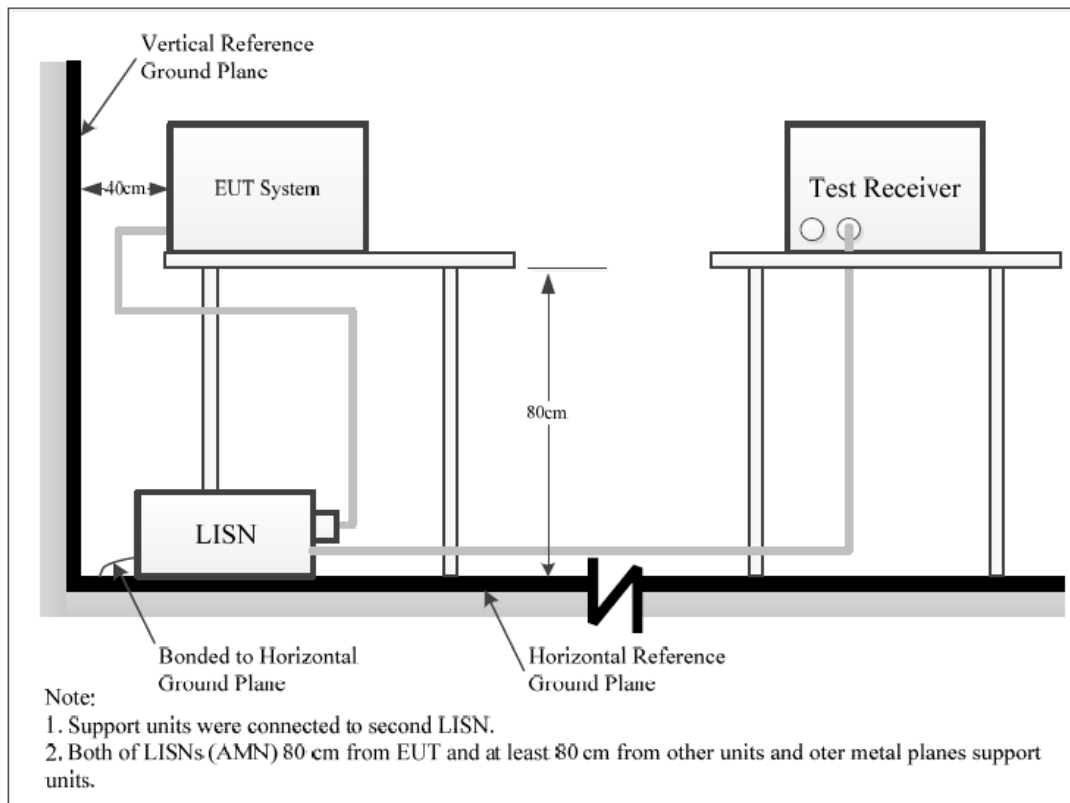
Result: Compliant.

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

Test System Setup



The measurement procedure of EUT setup is according with ANSI C63.10-2020. The related limit was specified in FCC Part 15.207.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

ANSI C63.10-2020 clause 6.2

During the conducted emission test, the EUT was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

If the maximum peak value of the emissions is below the average limit, the QP value and average value measurement will not need to be performed and only record the maximum peak measured value to meet the requirements.

Result & Margin Calculation

The Result is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)
Result (dBμV) = Reading (dBμV) + Factor (dB)

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin (dB) = Limit (dBμV) – Result (dBμV)

Test Results Summary

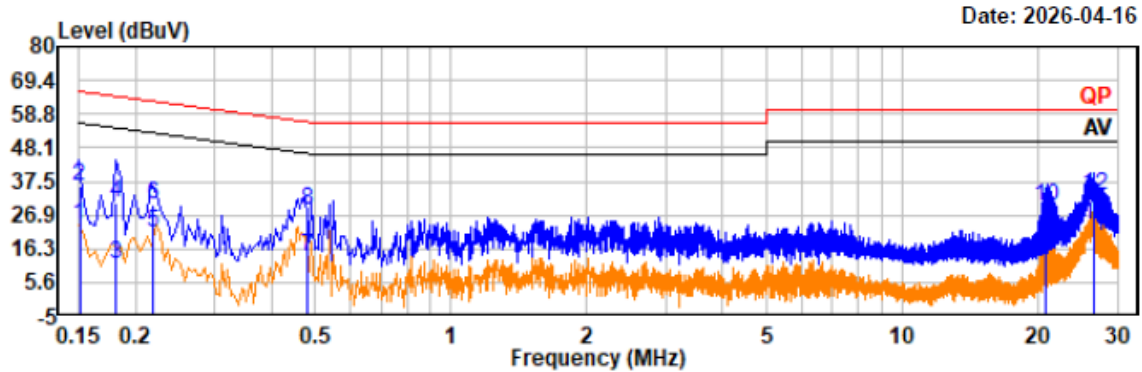
According to the recorded data in following table, the EUT complied with the FCC Title 47, FCC Part 15.207.

Test Data

Temperature:	22.5°C
Relative Humidity:	45%
ATM Pressure:	100.1 kPa
Test Date:	2026-04-16
Test Engineer:	Wlif Wu

Project No.: 2607R25726E-RF
Test Mode: Radar
EUT Model: LAKJ11501-003

Temp/Humi/ATM: 22.5°C/45%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V from adapter



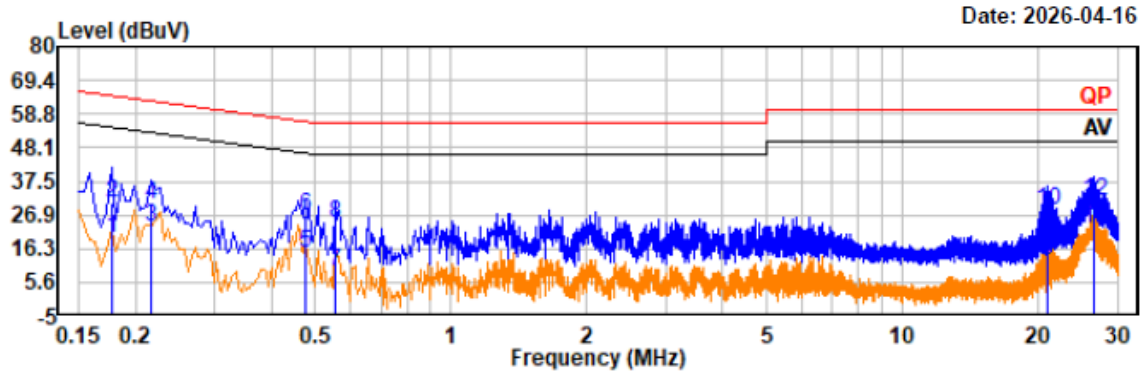
Trace: 1

Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.150	3.39	20.57	23.96	55.97	32.01	Line	Average
0.150	15.37	20.57	35.94	65.97	30.03	Line	QP
0.181	-9.04	20.63	11.59	54.42	42.83	Line	Average
0.181	9.95	20.63	30.58	64.42	33.84	Line	QP
0.220	0.98	20.64	21.62	52.84	31.22	Line	Average
0.220	9.47	20.64	30.11	62.84	32.73	Line	QP
0.482	-6.70	20.45	13.75	46.31	32.56	Line	Average
0.482	8.20	20.45	28.65	56.31	27.66	Line	QP
20.809	-6.95	20.65	13.70	50.00	36.30	Line	Average
20.809	8.73	20.65	29.38	60.00	30.62	Line	QP
26.575	2.54	20.90	23.44	50.00	26.56	Line	Average
26.575	11.93	20.90	32.83	60.00	27.17	Line	QP

Project No.: 2607R25726E-RF
Test Mode: Radar
EUT Model: LAKJ11501-003

Temp/Humi/ATM: 22.5°C/45%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V from adapter



Trace: 1

Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.178	-0.78	20.66	19.88	54.58	34.70	Neutral	Average
0.178	10.20	20.66	30.86	64.58	33.72	Neutral	QP
0.217	2.35	20.68	23.03	52.93	29.90	Neutral	Average
0.217	9.37	20.68	30.05	62.93	32.88	Neutral	QP
0.475	-5.65	20.41	14.76	46.42	31.66	Neutral	Average
0.475	6.06	20.41	26.47	56.42	29.95	Neutral	QP
0.556	-11.12	20.41	9.29	46.00	36.71	Neutral	Average
0.556	3.93	20.41	24.34	56.00	31.66	Neutral	QP
20.905	-8.32	20.67	12.35	50.00	37.65	Neutral	Average
20.905	7.96	20.67	28.63	60.00	31.37	Neutral	QP
26.460	1.80	20.88	22.68	50.00	27.32	Neutral	Average
26.460	10.60	20.88	31.48	60.00	28.52	Neutral	QP

FCC §15.205, §15.209, §15.249 - RADIATED EMISSIONS & OUT OF BAND EMISSION**Applicable Standard**

As per FCC§15.249 (a), except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

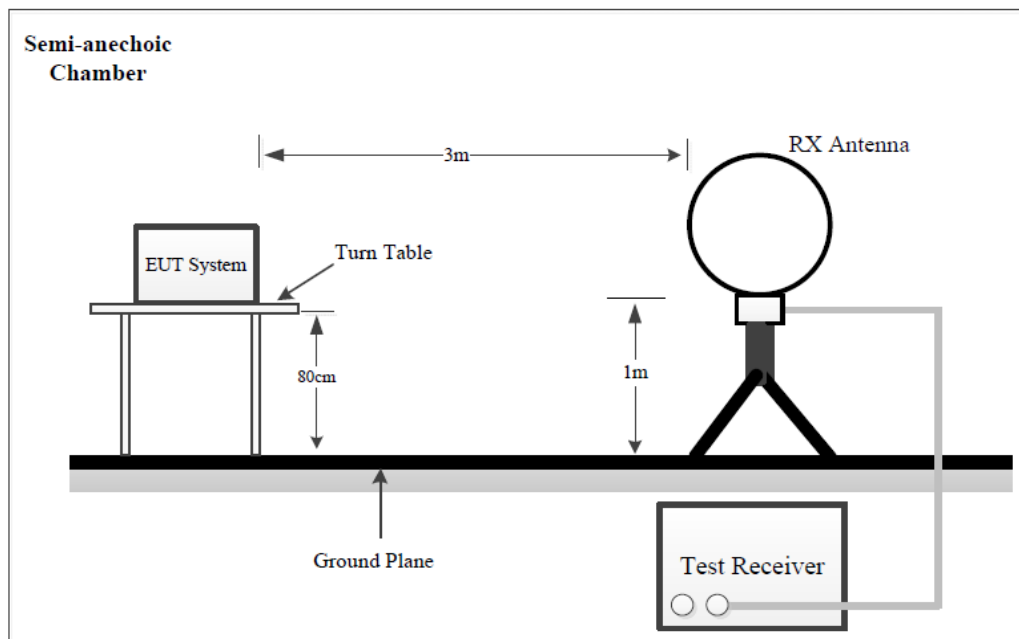
Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902–928 MHz	50	500
2400–2483.5 MHz	50	500
5725–5875 MHz	50	500
24.0–24.25 GHz	250	2500

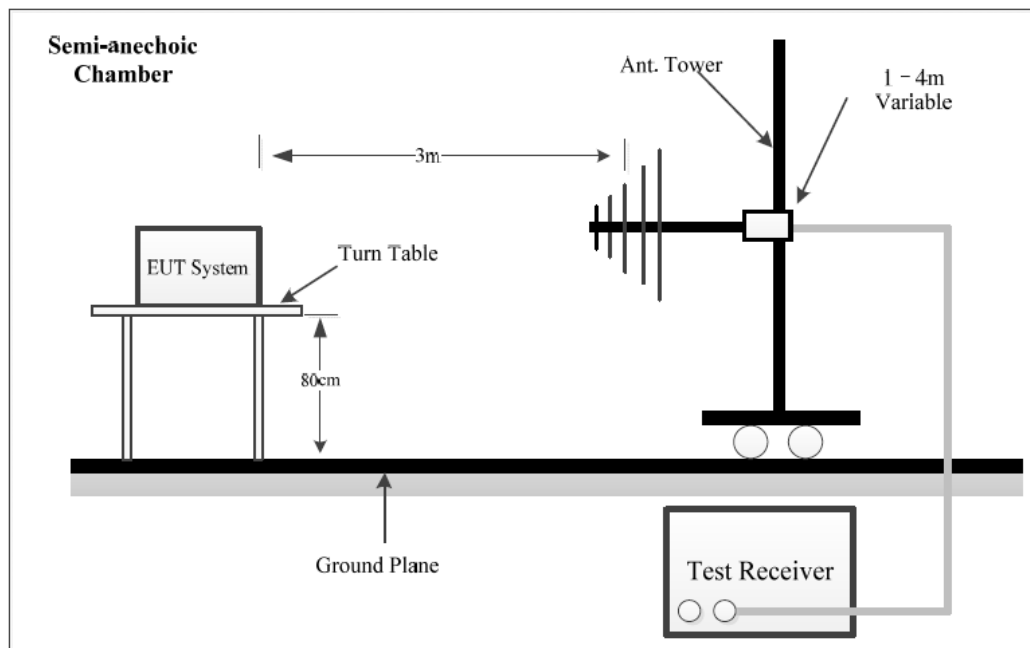
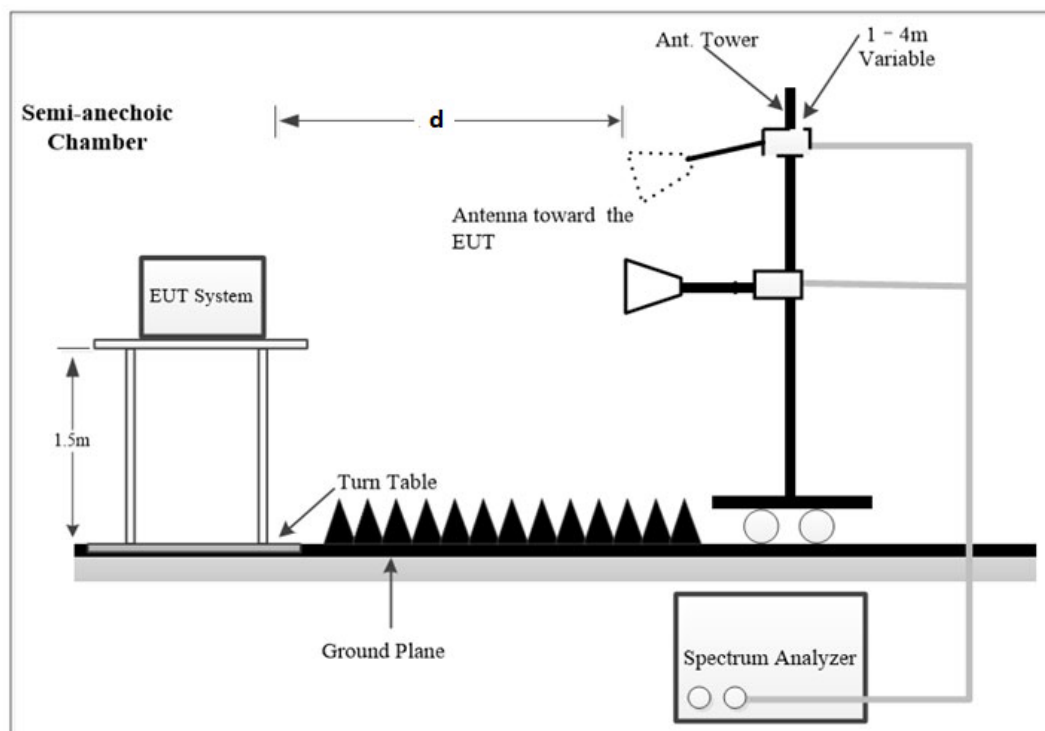
As per FCC§15.249 (c), Field strength limits are specified at a distance of 3 meters.

(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

Test System Setup

9 kHz-30MHz:



30MHz-1GHz:**Above 1GHz:**

NOTE: d is testing distance;

For Radiated Emission test (1GHz-18GHz) and Bandedge Emission test, which was performed at 3 m distance.

For Radiated Emission test (18GHz-40GHz), which was performed at 1.5 m distance, according to ANSI C63.10-2020, the test result shall be extrapolated to the specified distance using an extrapolation Factor of 20dB/decade from 3m to 1.5m.

Distance extrapolation Factor = $20 \log (\text{specific distance [3m]}/\text{test distance [1.5m]})$ dB = 6.0 dB

If both the single point and the limit distance are equal to or closer to the EUT than $\lambda/2\pi$, then extrapolation to the limit distance shall be calculated using Equation (4):

$$FS_{\text{limit}} = FS_{\text{max}} - 40 \log \left(\frac{d_{\text{limit}}}{d_{\text{measure}}} \right)$$

where

FS_{limit} is the calculation of field strength at the limit distance, expressed in dBμV/m
 FS_{max} is the measured field strength, expressed in dBμV/m
 $d_{\text{near field}}$ is the $\lambda/2\pi$ distance
 d_{measure} is the distance of the measurement point from the EUT
 d_{limit} is the reference distance or the distance of the $\lambda/2\pi$ point

EMI Test Receiver Setup

The system was investigated from 9 kHz to 40GHz.

Below 1GHz:

Frequency Range	RBW	VBW	Measurement
9 kHz – 150 kHz	300Hz	1 kHz	PK
	200Hz	/	QP
150 kHz – 30 MHz	10 kHz	30 kHz	PK
	9kHz	/	QP
30 MHz – 1000 MHz	100 kHz	300 kHz	PK
	120kHz	/	QP

Above 1GHz:

Pre-scan:

Measurement	RBW	Video B/W	Detector
PK	1MHz	3MHz	PK
Ave	1MHz	5kHz	PK

Final measurement for emission identified during the pre-scan:

Measurement	RBW	Video B/W	Detector
PK	1MHz	3MHz	PK
Ave	1MHz	10Hz	PK

Pre-scan:

Measurement	RBW	Video B/W	Detector
PK	1MHz	3MHz	PK
Ave	1MHz	5kHz	PK

Final measurement for emission identified during the pre-scan:

Measurement	RBW	Video B/W	Detector
PK	1MHz	3MHz	PK
Ave	1MHz	10Hz	PK

Test Procedure

According to section 6.3, 6.4, 6.5, 6.6 of standard ANSI C63.10-2020

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

For each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable. The report shall list the six emissions with the smallest margin relative to the limit, for each of the three antenna orientations (parallel, perpendicular, and ground parallel) unless the margin is greater than 20 dB, then the following statement shall be made: "all emissions were greater than 20 dB below the limit."

Below 1GHz, if the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

Above 1GHz, if the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is below the AV emission limit, there's no need to record the measured AV level of the emissions in the report.

Result & Margin Calculation

The Result is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

For 9 kHz to 18GHz Radiated emission test and Bandedge emissions test

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

For 18GHz to 40GHz Radiated emission test

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB) - Extrapolation factor (dB)

Extrapolation factor = 6dB (distance = 1.5m)

Result (dBμV/m) = Reading (dBμV) + Factor (dB/m)

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin (dB) = Limit (dBμV/m) - Result (dBμV/m)

Test Results Summary

According to the data in the following table, the EUT complied with the FCC Part 15.209 &15.205 & 15.249.

Test Data

Please refer to the below table and plots.

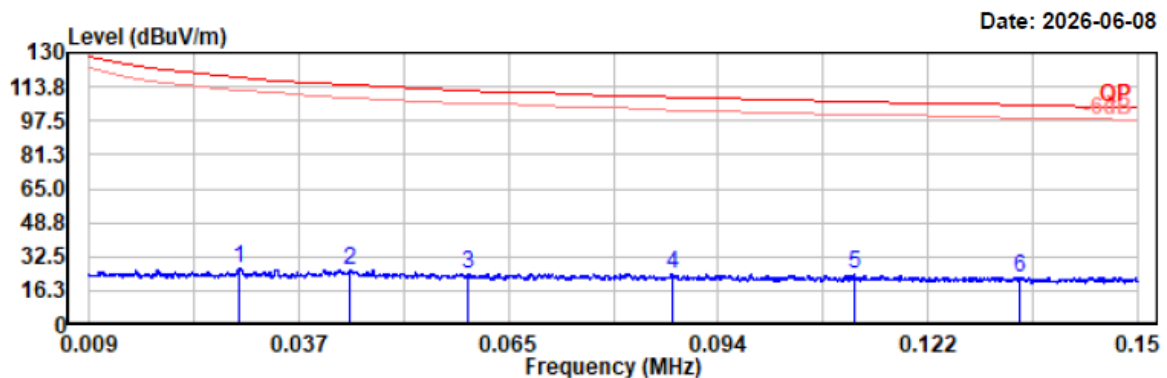
Frequency Range:	Below 1 GHz	Above 1 GHz	Fundamental Test & Out-of-band Emissions Test
Temperature:	23.1°C	23.1°C	23.1°C
Relative Humidity:	54%	54%	54%
ATM Pressure:	100.1kPa	100.1kPa	100.1kPa
Test Date:	2026-06-08	2026-06-08	2026-06-08
Test Engineer:	Wlif Wu	Wlif Wu	Wlif Wu

1) 9 kHz~30MHz

Pre-scan in parallel, ground-parallel and perpendicular of orientation of loop antenna, parallel is worst case.

Project No.: 2607R25726E-RF
 Test Mode: Radar
 EUT Model: LAKJ11501-003
 Test distance: 3m

Temp/Humi/ATM: 23.1°C/54%/100.1kPa
 Tested by: Wlif Wu
 Power Source: DC 5V from adapter

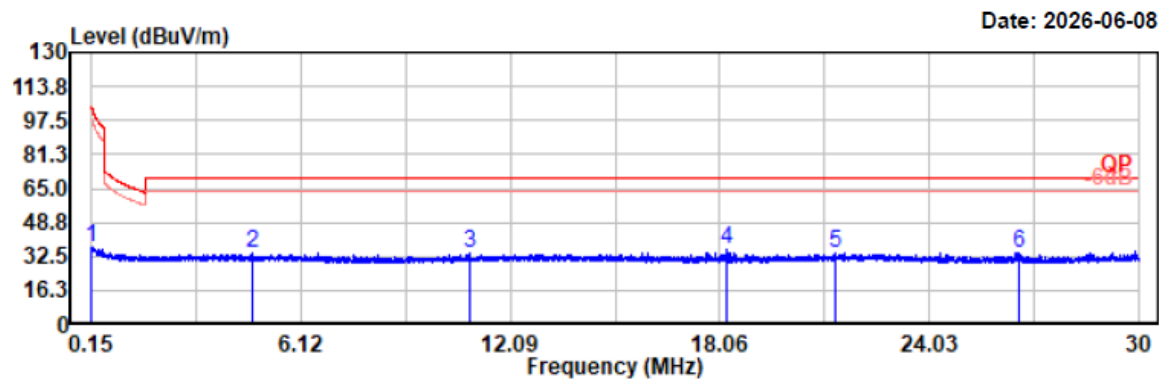


Condition: PK RBW:300Hz VBW:1kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.029	7.43	19.90	27.33	118.31	90.98	Peak
0.044	6.41	19.91	26.32	114.71	88.39	Peak
0.060	4.73	19.91	24.64	112.05	87.41	Peak
0.087	4.65	19.78	24.43	108.78	84.35	Peak
0.112	4.20	19.73	23.93	106.63	82.70	Peak
0.134	3.06	19.73	22.79	105.05	82.26	Peak

Project No.: 2607R25726E-RF
Test Mode: Radar
EUT Model: LAKJ11501-003
Test distance: 3m

Temp/Humi/ATM: 23.1°C/54%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V from adapter



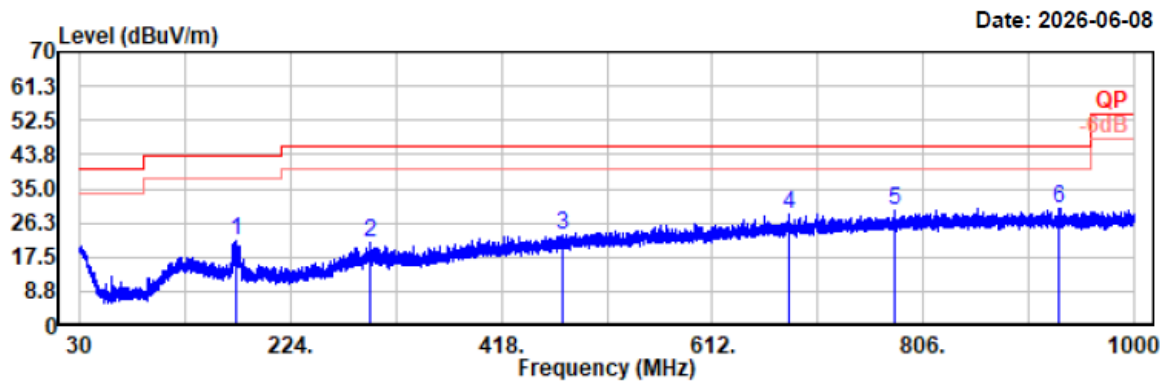
Condition: PK RBW:10kHz VBW:30kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.150	17.25	19.72	36.97	104.08	67.11	Peak
4.717	14.54	19.70	34.24	69.54	35.30	Peak
10.944	13.99	19.71	33.70	69.54	35.84	Peak
18.242	15.98	19.97	35.95	69.54	33.59	Peak
21.355	13.79	20.13	33.92	69.54	35.62	Peak
26.612	14.14	20.14	34.28	69.54	35.26	Peak

2) 30MHz~1GHz

Project No.: 2607R25726E-RF
Test Mode: Radar
EUT Model: LAKJ11501-003
Test distance: 3m

Temp/Humi/ATM: 23.1°C/54%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V from adapter

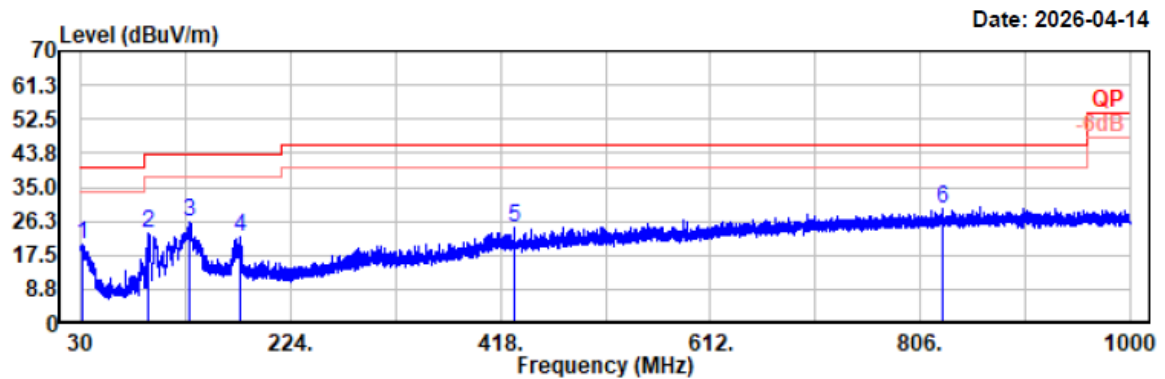


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
173.46	33.70	-12.01	21.69	43.50	21.81	Horizontal	Peak
297.53	30.26	-9.24	21.02	46.00	24.98	Horizontal	Peak
474.84	27.09	-4.05	23.04	46.00	22.96	Horizontal	Peak
682.33	29.00	-0.57	28.43	46.00	17.57	Horizontal	Peak
779.52	28.25	1.09	29.34	46.00	16.66	Horizontal	Peak
931.71	27.02	2.92	29.94	46.00	16.06	Horizontal	Peak

Project No.: 2607R25726E-RF
Test Mode: Radar
EUT Model: LAKJ11501-003
Test distance: 3m

Temp/Humi/ATM: 23.1°C/54%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V from adapter



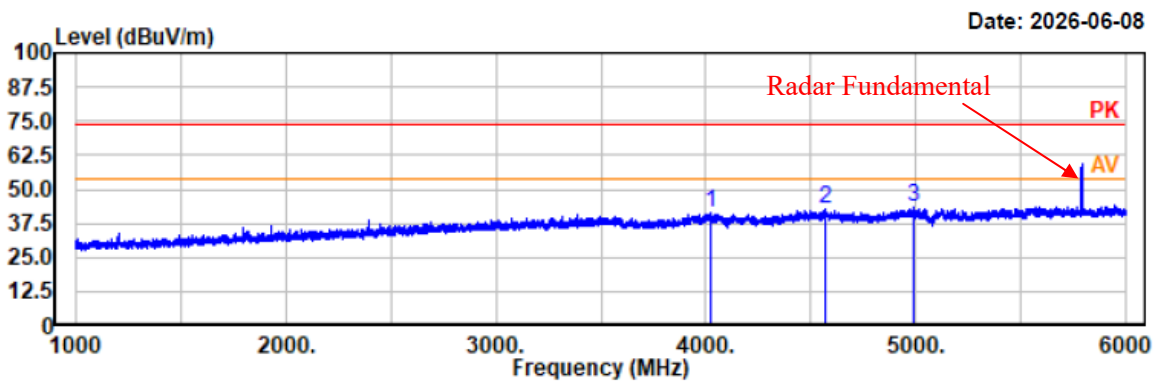
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
31.26	26.46	-5.98	20.48	40.00	19.52	Vertical	Peak
92.95	39.64	-16.65	22.99	43.50	20.51	Vertical	Peak
130.59	36.35	-10.14	26.21	43.50	17.29	Vertical	Peak
176.86	34.27	-12.18	22.09	43.50	21.41	Vertical	Peak
431.19	29.87	-5.36	24.51	46.00	21.49	Vertical	Peak
826.56	27.78	1.70	29.48	46.00	16.52	Vertical	Peak

3) 1GHz~6GHz

Project No.: 2607R25726E-RF
Test Mode: Radar
EUT Model: LAKJ11501-003
Test distance: 3m

Temp/Humi/ATM: 23.1°C/54%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V from adapter

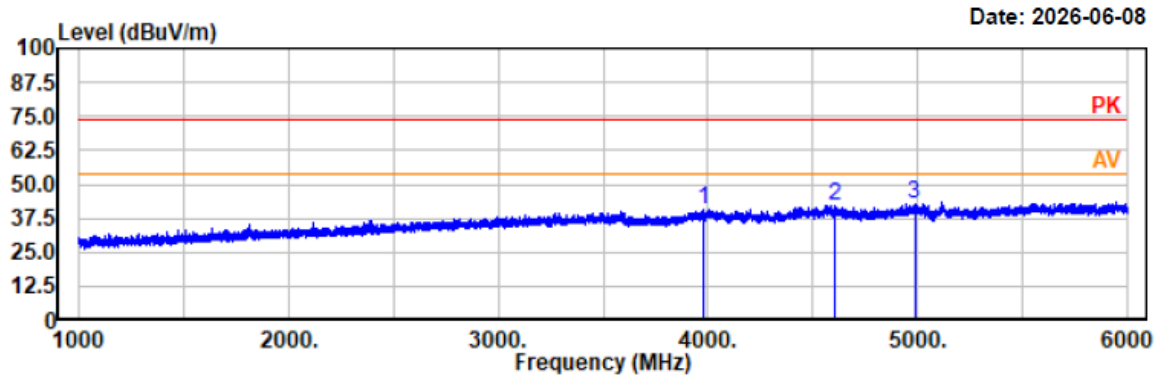


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4019.50	47.49	-6.45	41.04	74.00	32.96	horizontal	Peak
4571.50	48.21	-5.29	42.92	74.00	31.08	horizontal	Peak
4990.50	48.17	-5.02	43.15	74.00	30.85	horizontal	Peak

Project No.: 2607R25726E-RF
Test Mode: Radar
EUT Model: LAKJ11501-003
Test distance: 3m

Temp/Humi/ATM: 23.1°C/54%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V from adapter



Condition: PK RBW:1MHz VBW:3MHz SWT:auto

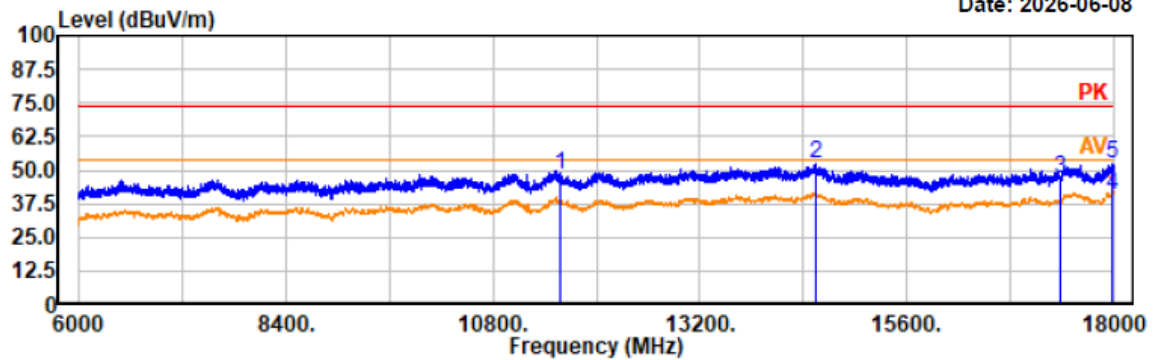
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
3983.00	47.15	-6.58	40.57	74.00	33.43	vertical	Peak
4609.00	47.36	-5.25	42.11	74.00	31.89	vertical	Peak
4986.00	47.54	-5.03	42.51	74.00	31.49	vertical	Peak

4) 6GHz~18GHz

Project No.: 2607R25726E-RF
Test Mode: Radar
EUT Model: LAKJ11501-003
Test distance: 3m

Temp/Humi/ATM: 23.1°C/54%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V from adapter

Date: 2026-06-08



Trace: 1

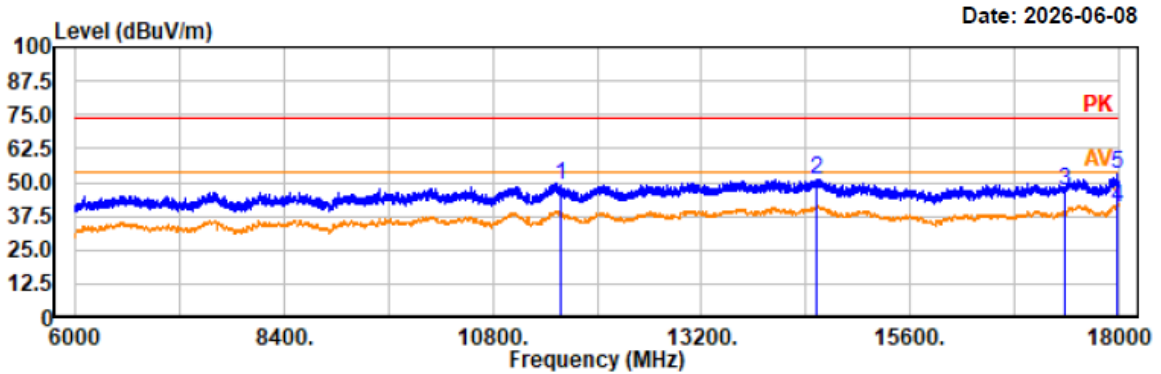
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11582.40	45.12	3.21	48.33	74.00	25.67	horizontal	Peak
14545.20	47.27	5.04	52.31	74.00	21.69	horizontal	Peak
17373.00	41.52	5.43	46.95	74.00	27.05	horizontal	Peak
17982.00	33.53	6.89	40.42	54.00	13.58	horizontal	Average
17982.00	45.22	6.89	52.11	74.00	21.89	horizontal	Peak

Project No.: 2607R25726E-RF
Test Mode: Radar
EUT Model: LAKJ11501-003
Test distance: 3m

Temp/Humi/ATM: 23.1°C/54%/100.1kPa
Tested by: Wliff Wu
Power Source: DC 5V from adapter



Trace: 1

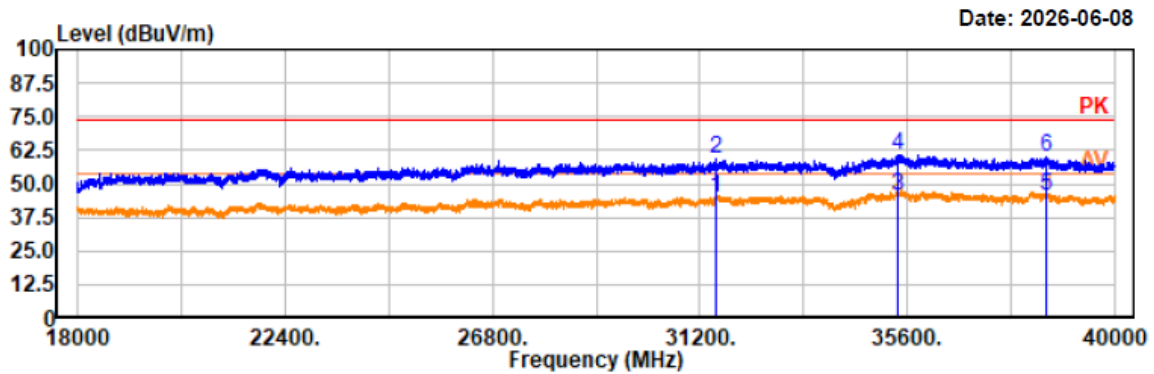
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
11582.00	45.84	3.21	49.05	74.00	24.95	vertical	Peak
14517.60	46.12	5.06	51.18	74.00	22.82	vertical	Peak
17373.00	41.75	5.43	47.18	74.00	26.82	vertical	Peak
17977.20	33.58	6.89	40.47	54.00	13.53	vertical	Average
17977.20	45.87	6.89	52.76	74.00	21.24	vertical	Peak

5) 18 GHz~40 GHz

Project No.: 2607R25726E-RF
Test Mode: Radar
EUT Model: LAKJ11501-003
Test distance: 1.5m

Temp/Humi/ATM: 23.1°C/54%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V from adapter



Trace: 1

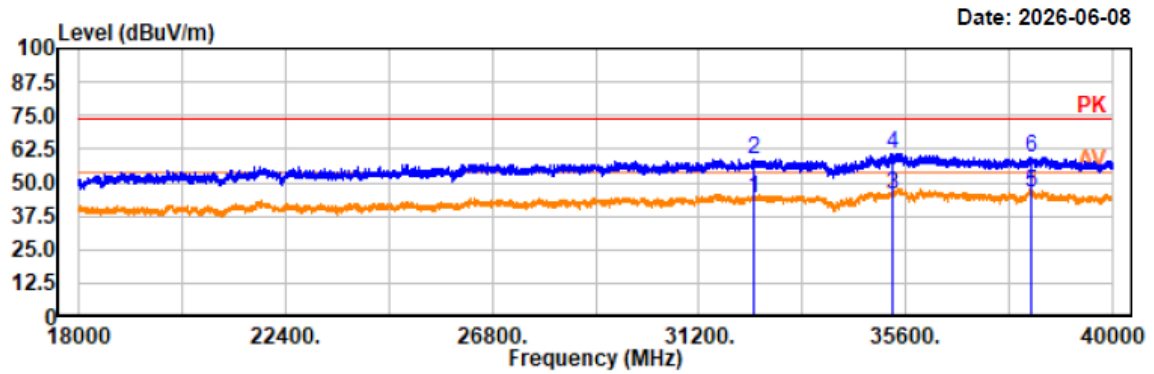
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
31558.60	36.86	7.66	44.52	54.00	9.48	horizontal	Average
31558.60	51.34	7.66	59.00	74.00	15.00	horizontal	Peak
35397.60	34.68	10.84	45.52	54.00	8.48	horizontal	Average
35397.60	50.04	10.84	60.88	74.00	13.12	horizontal	Peak
38532.60	35.71	9.68	45.39	54.00	8.61	horizontal	Average
38532.60	50.28	9.68	59.96	74.00	14.04	horizontal	Peak

Project No.: 2607R25726E-RF
Test Mode: Radar
EUT Model: LAKJ11501-003
Test distance: 1.5m

Temp/Humi/ATM: 23.1°C/54%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V from adapter



Trace: 1

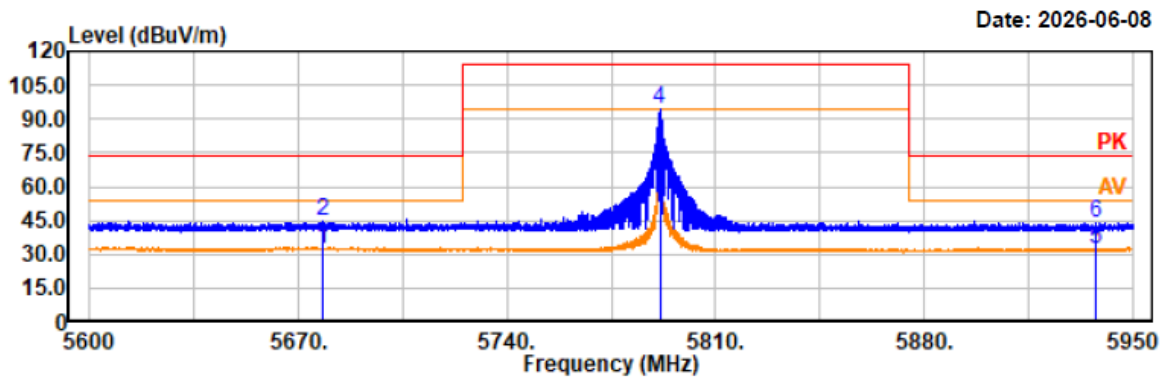
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
32370.40	36.20	7.82	44.02	54.00	9.98	vertical	Average
32370.40	51.14	7.82	58.96	74.00	15.04	vertical	Peak
35329.40	34.62	10.73	45.35	54.00	8.65	vertical	Average
35329.40	50.23	10.73	60.96	74.00	13.04	vertical	Peak
38281.80	36.39	9.66	46.05	54.00	7.95	vertical	Average
38281.80	49.60	9.66	59.26	74.00	14.74	vertical	Peak

Fundamental band Out-of-band Emissions Test:

Project No.: 2607R25726E-RF
Test Mode: Radar
EUT Model: LAKJ11501-003
Test distance: 3m

Temp/Humi/ATM: 23.1°C/54%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V from adapter



Trace: 1

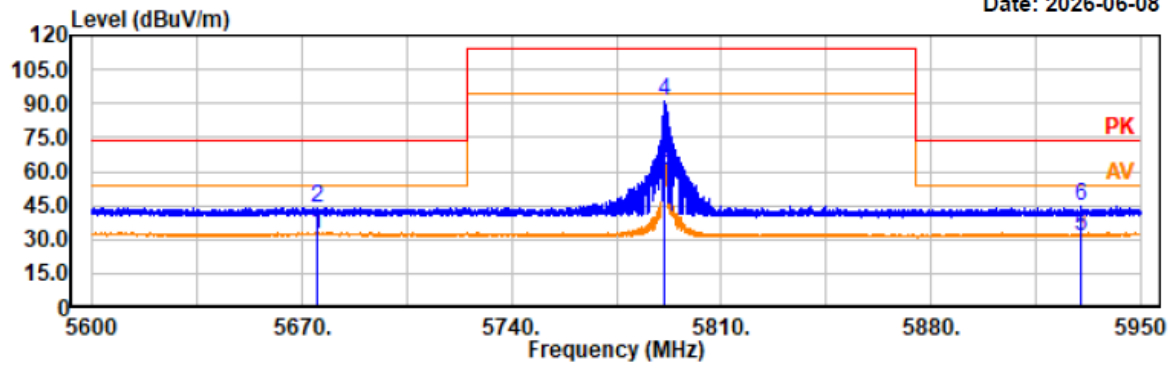
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5677.95	36.11	-3.94	32.17	54.00	21.83	horizontal	Average
5677.95	48.42	-3.94	44.48	74.00	29.52	horizontal	Peak
5791.31	68.75	-3.74	65.01	94.00	28.99	horizontal	Average
5791.31	97.88	-3.74	94.14	114.00	19.86	horizontal	Peak
5937.82	35.82	-3.53	32.29	54.00	21.71	horizontal	Average
5937.82	47.80	-3.53	44.27	74.00	29.73	horizontal	Peak

Project No.: 2607R25726E-RF
Test Mode: Radar
EUT Model: LAKJ11501-003
Test distance: 3m

Temp/Humi/ATM: 23.1°C/54%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 5V from adapter

Date: 2026-06-08



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5674.80	36.33	-3.96	32.37	54.00	21.63	vertical	Average
5674.80	47.99	-3.96	44.03	74.00	29.97	vertical	Peak
5791.14	64.25	-3.74	60.51	94.00	33.49	vertical	Average
5791.14	95.09	-3.74	91.35	114.00	22.65	vertical	Peak
5929.81	35.27	-3.55	31.72	54.00	22.28	vertical	Average
5929.81	48.16	-3.55	44.61	74.00	29.39	vertical	Peak

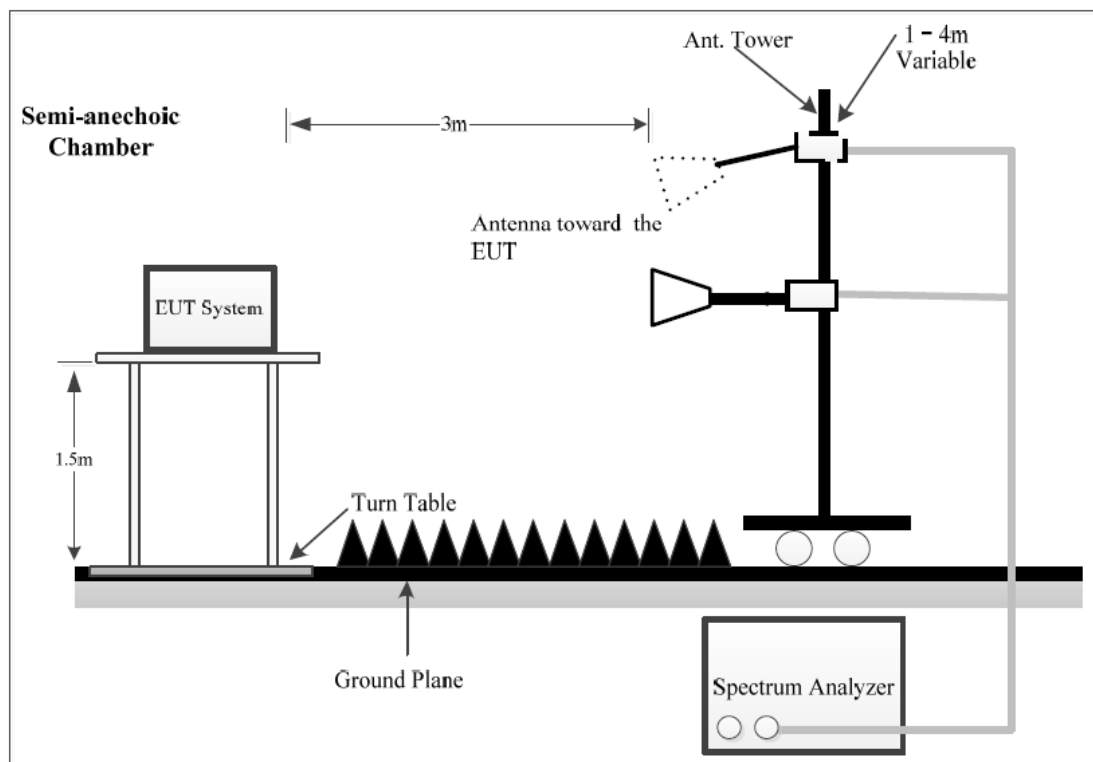
FCC §15.215(c) - 20dB EMISSION BANDWIDTH TESTING**Applicable Standard**

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

Test Procedure

According to section 6.9 of standard ANSI C63.10-2020.

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
3. Repeat above procedures until all frequencies measured were complete.

Test Setup Block diagram

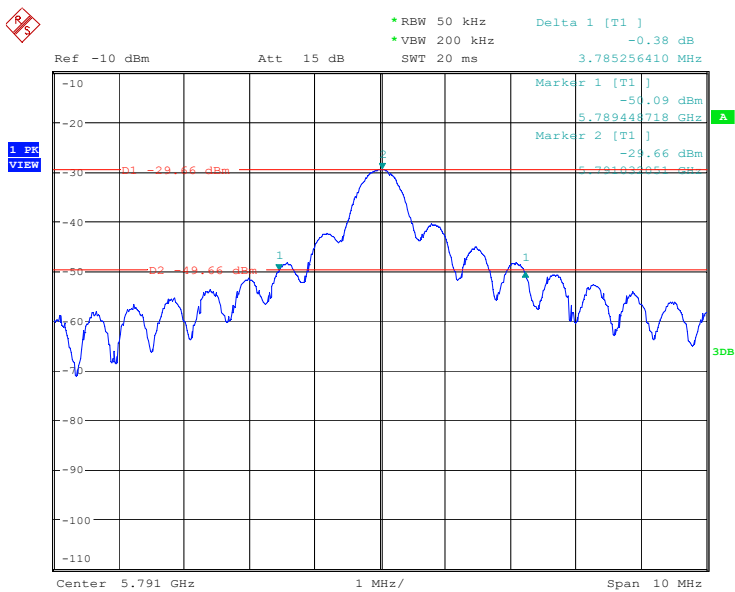
Test Data

Test Mode:	Transmitting	Test Engineer:	Wlif Wu
Test Date:	2026-06-08	Environment:	Temp.:23.1°C Humi.:54% Atm.:100.1kPa

Test Result: Compliant.

Frequency (MHz)	20 dB Bandwidth (MHz)	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
5791	3.79	5789.44	5793.23	5725	5875

20 dB Bandwidth



Project No.:2607R25726E-RF Tester:Wlif Wu
Date: 8.JUN.2026 21:19:23

EUT PHOTOGRAPHS

Please refer to the attachment 2607R25726E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2607R25726E-RF-INP EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2607R25726E-RF-TSP TEST SETUP PHOTOGRAPHS.

Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk “★”.
2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor k with the 95% confidence interval.
5. This report cannot be reproduced except in full, without prior written approval of Bay Area Compliance Laboratories Corp. (Xiamen).
6. This report is valid only with a valid digital signature. The digital signature may be available only under the adobe software above version 7.0.

******* END OF REPORT *******