



EMC TEST REPORT

For

ARTIKA FOR LIVING INC.

LED fixed luminaire

Test Model: 36BOL-DS-MB

Additional Model No.: 36BOL-DS-XXXXXX("XXXXXX" can be A to Z and/or 0 to 9 and/or blank (commercial code))

Prepared for : ARTIKA FOR LIVING INC.
Address : 800, boulevard Hymus, Saint-Laurent (Québec),
Canada H4S 0B5

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
Address : Room 101, 201, Building A and Room 301, Building C,
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Date of receipt of test sample : July 02, 2026
Number of tested samples : 1
Serial number : B260701017001
Date of Test : July 02, 2026-July 06, 2026
Date of Report : July 07, 2026



**TEST REPORT****Report No.** : **LCSA06186118E****Date of Issue** : July 07, 2026**Testing Laboratory Name** : **Shenzhen LCS Compliance Testing Laboratory Ltd.****Address** : Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China**Testing Location/ Procedure** : Full application of Harmonised standards ☒
Partial application of Harmonised standards ☐
Other standard testing method ☐**Applicant's Name** : **ARTIKA FOR LIVING INC.****Address** : 800, boulevard Hymus, Saint-Laurent (Québec), Canada H4S 0B5**Test Specification****Standard** : FCC Rules and Regulations Part 15 Subpart B
ANSI C63.4:2014
ANSI C63.4a-2017**Test Report Form No.** : TRF-4-E-010 A/0**TRF Originator** : Shenzhen LCS Compliance Testing Laboratory Ltd.**Master TRF** : Dated 2011-03**Shenzhen LCS Compliance Testing Laboratory Ltd. All rights reserved.**

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Test Item Description : **LED fixed luminaire****Trade Mark** : ARTIKA**Test Model** : 36BOL-DS-MB**Result** : **Pass****Compiled by:****Supervised by:****Approved by:**

Emma Wang / File Administrator

Jelly Li / Technique principal

Gavin Liang / Manager



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TEST REPORT

Test Report No.: LCSA06186118E	<u>July 07, 2026</u> Date of issue
---------------------------------------	---------------------------------------

Test Model	: 36BOL-DS-MB
EUT	: LED fixed luminaire
Applicant	: ARTIKA FOR LIVING INC.
Address	: 800, boulevard Hymus, Saint-Laurent (Québec), Canada H4S 0B5
Telephone	: /
Fax	: /
Manufacturer	: Xiang Xing Lighting Co., Ltd.
Address	: 3# Block, Pingzhou Linyue Industrial Park, Nan Hai Area, FOSHAN CITY Guangdong
Telephone	: /
Fax	: /
Factory	: Xiang Xing Lighting Co., Ltd.
Address	: 3# Block, Pingzhou Linyue Industrial Park, Nan Hai Area, FOSHAN CITY Guangdong
Telephone	: /
Fax	: /

Test Result	Pass
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.





Revision History

Report Version	Issue Date	Revision Content	Revised By
000	July 07, 2026	Initial Issue	/





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1. SUMMARY OF STANDARDS AND RESULTS

1.1 Description of Standards and Results

Description of Test Item	Standard	Result	Memo
AC Power Port Conducted Emission	FCC Rules and Regulations Part 15 Subpart B, ANSI C63.4:2014, ANSI C63.4a-2017	PASS	/
Radiated Emissions Test(30-1000MHz)	FCC Rules and Regulations Part 15 Subpart B, ANSI C63.4:2014, ANSI C63.4a-2017	PASS	/





1.2 Description of Test Modes

No	Title	Description
Mode 1	Working(AC 120V/60Hz)	/





2. GENERAL INFORMATION

2.1 Description of Device (EUT)

EUT	: LED fixed luminaire
Test Model	: 36BOL-DS-MB
Power Supply	: AC 120V 60Hz 15W
Highest Internal Frequency	: ≤108MHz
Classification of Equipment	: Class B
Additional Model	: 36BOL-DS-XXXXXX("XXXXXX" can be A to Z and/or 0 to 9 and/or blank (commercial code))
Model Declaration	: PCB board, structure and internal of these model(s) are the same, So no additional models were tested.

2.2 Support equipment List

Equipment	Manufacturer	Model	Serial Number	Description
/	/	/	/	/

2.3 Description of Test Facility

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

2.4 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emission (150kHz to 30MHz)	± 2.35 dB
Radiated Emission (30MHz to 1000MHz)	± 3.48 dB
Radiated Emission (above 1000MHz)	± 3.90 dB
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	





3. MEASURING DEVICES AND TEST EQUIPMENT

Conducted emissions

Equipment	Manufacturer	Model No	Serial No.	Cal Date	Due Date
EMI Test Receiver	R&S	ESR3	102312	2025-12-22	2026-12-21
Artificial Mains	R&S	ENV216	101288	2026-05-06	2027-05-05
Pulse Limiter	R&S	ESH3-Z2	102750-NB	2026-05-06	2027-05-05
EMI Test Software	Farad	EZ	/	/	/

Radiated Emissions (below 1GHz)

Equipment	Manufacturer	Model No	Serial No.	Cal Date	Due Date
EMI Test Software	Farad	EZ	/	/	/
EMI Test Software	AUDIX	E3	/	/	/
By-log Antenna	SchwarzBECK	VULB9163	01565	2024-07-13	2027-07-12
Horn Antenna	ETS	3115	EABF-018	2024-07-20	2027-07-19
EMI Test Receiver	R&S	ESR3	102311	2026-05-06	2027-05-05
Broadband Preamplifier	/	BBV9745	00317	2025-11-07	2026-11-06
EMI Test Receiver	R&S	ESCI7	101173	2025-10-11	2026-10-10
By-log Antenna	SchwarzBECK	VULB9163	01143	2024-07-20	2027-07-19





4. EMISSION TEST RESULTS (EMI)

4.1 AC Power Port Conducted Emission

4.1.1 Limits

Class A		
Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz~500 kHz	79	66
500 kHz~30 MHz	73	60
Class B		
Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50
Notes:		
1. * Decreasing linearly with logarithm of frequency.		
2. The lower limit shall apply at the transition frequencies.		

4.1.2 Test procedure

The EUT and Support equipment placement requires reference to the test block diagram and is placed on a non-metallic table.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

Note: 1) Pre-scan all modes and recorded the worst case results in this report.

2) Margin= Reading level + Correct factor-Limit

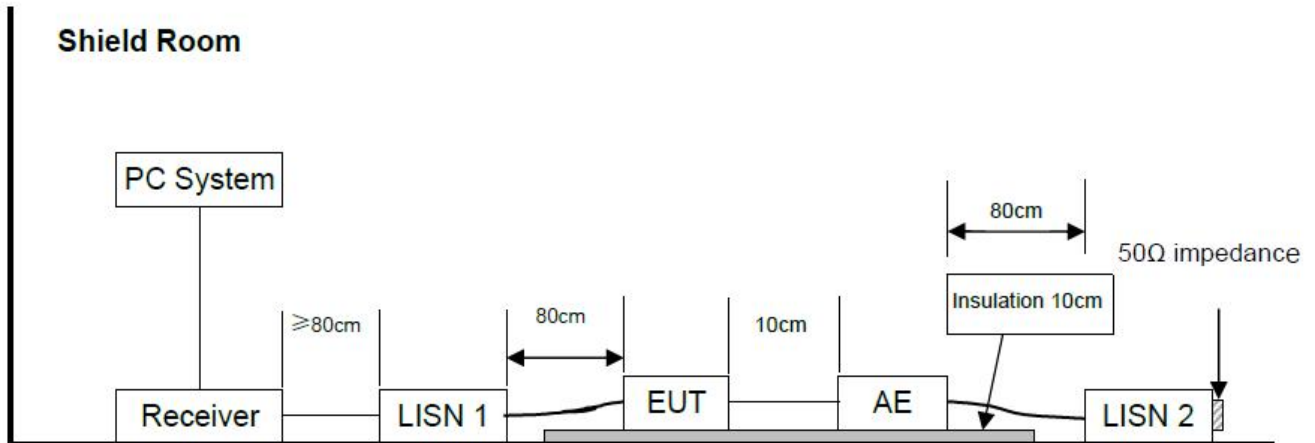
Correct Factor=Lisn Factor+Cable Factor+Insertion loss of Pulse Limiter



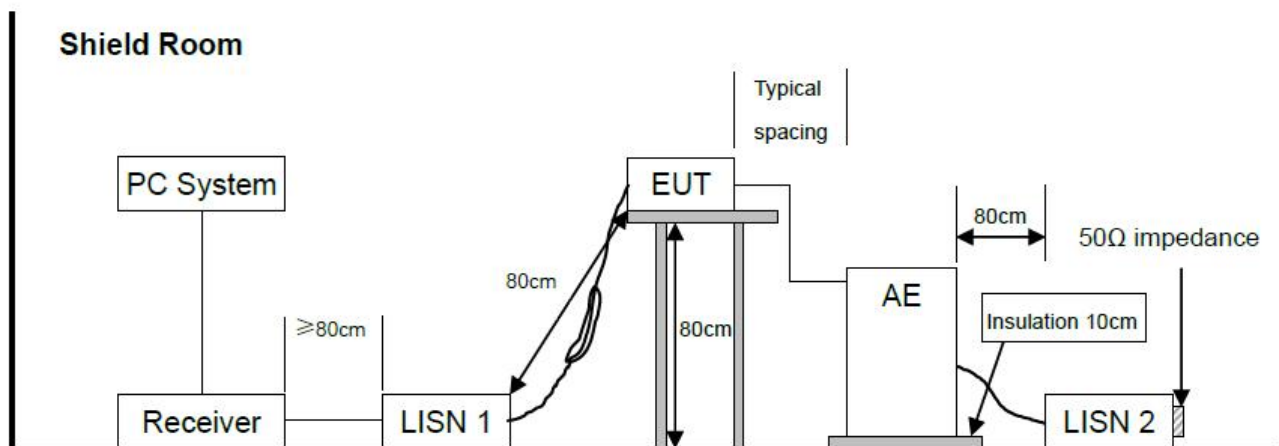


4.1.3 Test Setup Diagram

For floor standing equipment



For combinations equipment



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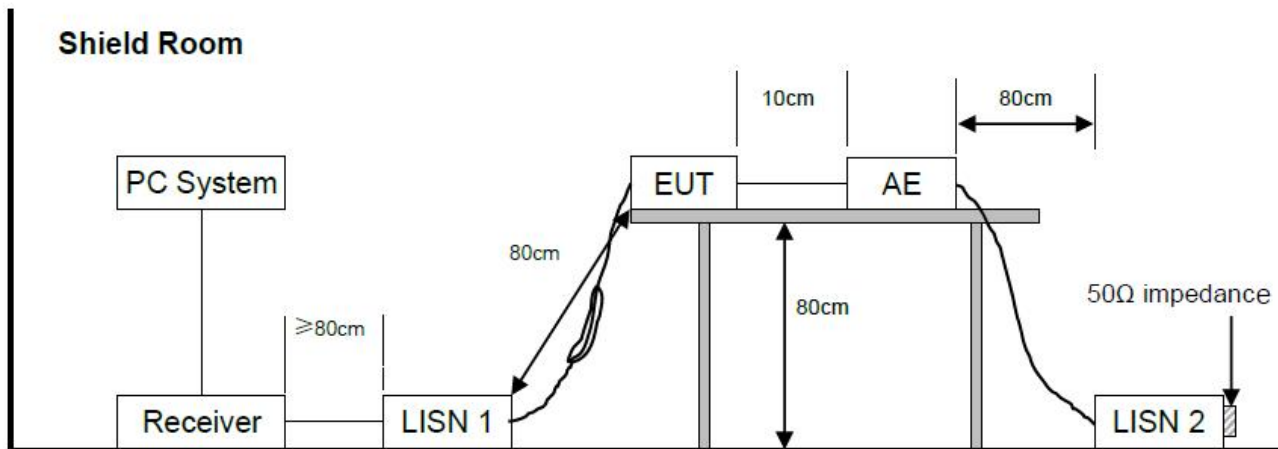
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For table-top equipment



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4.1.4 E.U.T. Operation

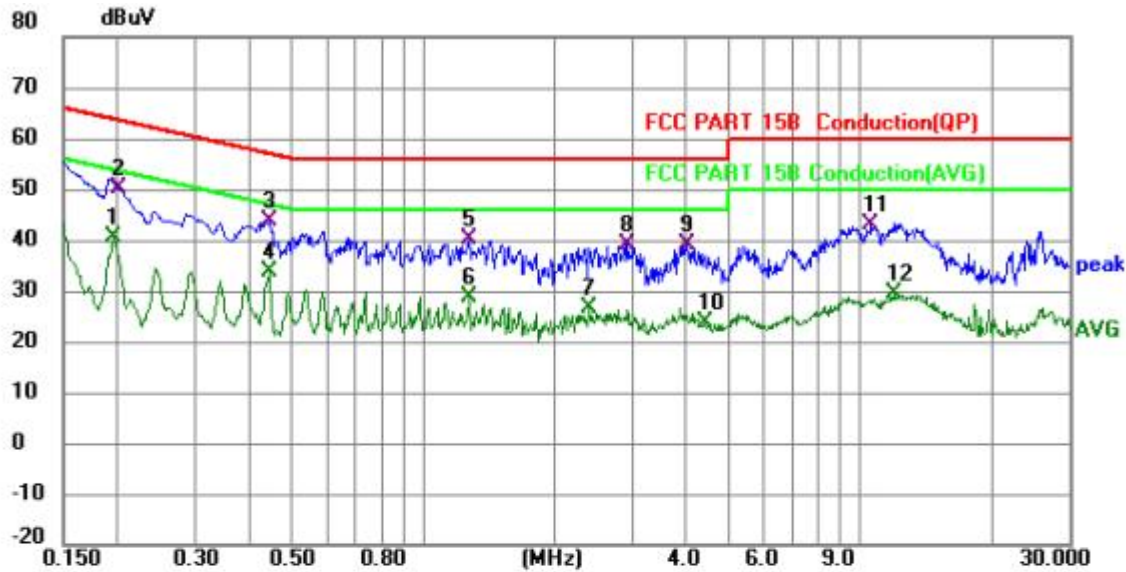
Operating Environment:			
Temperature:	24.2° C	Humidity:	54.9%RH
Test Engineer	Xing Jin Mo		
Mode 1	Working	Voltage	AC 120V/60Hz





4.1.5 Test data

Mode 1 / Line: Line



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1949	20.26	20.34	40.60	53.83	-13.23	AVG	
2	0.2007	29.79	20.34	50.13	63.58	-13.45	QP	
3 *	0.4425	23.64	20.18	43.82	57.01	-13.19	QP	
4	0.4425	13.46	20.18	33.64	47.01	-13.37	AVG	
5	1.2750	19.83	20.47	40.30	56.00	-15.70	QP	
6	1.2750	8.22	20.47	28.69	46.00	-17.31	AVG	
7	2.4045	6.02	20.46	26.48	46.00	-19.52	AVG	
8	2.9445	18.68	20.49	39.17	56.00	-16.83	QP	
9	4.0109	18.59	20.54	39.13	56.00	-16.87	QP	
10	4.4160	3.16	20.55	23.71	46.00	-22.29	AVG	
11	10.5945	22.39	20.48	42.87	60.00	-17.13	QP	
12	11.9130	9.00	20.51	29.51	50.00	-20.49	AVG	



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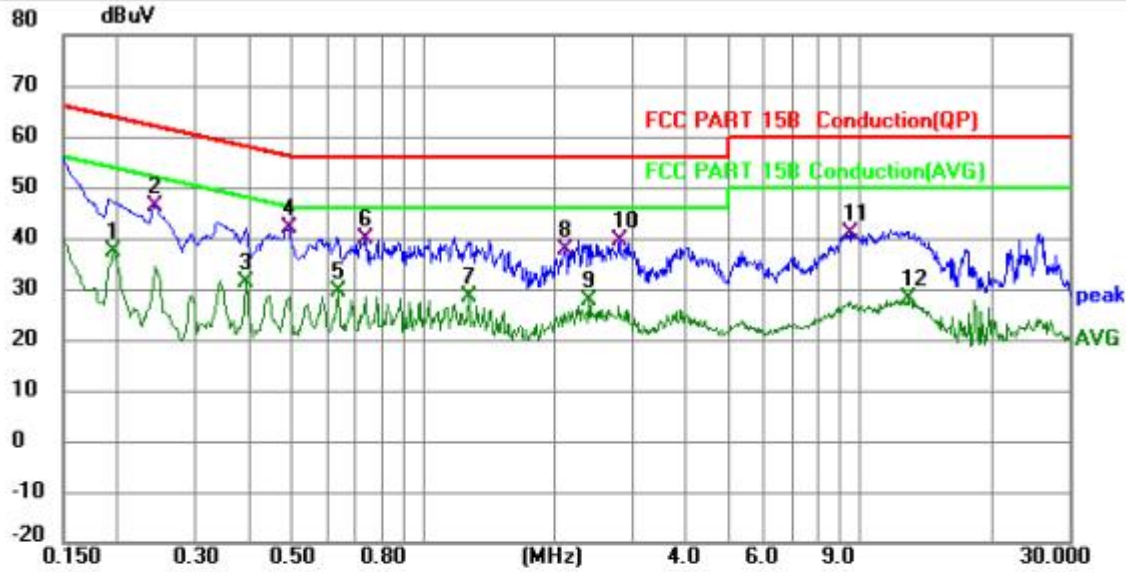
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Mode 1 / Line: Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1949	17.00	20.34	37.34	53.83	-16.49	AVG	
2		0.2444	25.96	20.35	46.31	61.95	-15.64	QP	
3		0.3930	10.94	20.24	31.18	48.00	-16.82	AVG	
4	*	0.4920	21.85	20.12	41.97	56.13	-14.16	QP	
5		0.6404	9.11	20.27	29.38	46.00	-16.62	AVG	
6		0.7350	19.31	20.36	39.67	56.00	-16.33	QP	
7		1.2750	7.81	20.48	28.29	46.00	-17.71	AVG	
8		2.1120	17.22	20.53	37.75	56.00	-18.25	QP	
9		2.4045	7.16	20.52	27.68	46.00	-18.32	AVG	
10		2.8093	18.79	20.53	39.32	56.00	-16.68	QP	
11		9.5010	20.29	20.60	40.89	60.00	-19.11	QP	
12		12.8535	7.37	20.60	27.97	50.00	-22.03	AVG	



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4.2 Radiated Emissions Test(30-1000MHz)

4.2.1 Limits

Limits:				
Frequency (MHz)	Class A Field Strengths Limits at 10m measuring distance dB(μ V)/m	Class A Field Strengths Limits at 3m measuring distance dB(μ V)/m	Class B Field Strengths Limits at 10m measuring distance dB(μ V)/m	Class B Field Strengths Limits at 3m measuring distance dB(μ V)/m
30--88	39.0	49.5	29.5	40.0
88--216	43.5	54.0	33.0	43.5
216--960	46.4	57.0	35.5	46.0
960--1000	49.5	60.0	43.5	54.0
Above 1000	/	80.0 (Peak), 60.0 (Average)	/	74.0 (Peak), 54.0 (Average)

4.2.2 Test procedure

Procedure of Preliminary Test

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 0.8m (table-top device)/0.1m (floor stand device) above the ground plane.

Configuration EUT to simulate typical usage as described in as shown above block diagram and equipment list of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

Mains cables, telephone lines or other connections to auxiliary equipment located outside the test are shall drape to the floor, be fitted with ferrite clamps or ferrite tubes placed on the floor at the point where the cable reaches the floor and then routed to the place where they leave the turntable. No extension cords shall be used to mains receptacle.

The antenna was placed at 3 meter away from the EUT as stated in ANSI C63.4. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.

The Analyzer / Receiver quickly scanned from 30 MHz to 1 GHz. The EUT test program was started.

Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

After the preliminary scan, we found the test mode producing the highest emission level. The EUT and cable configuration, antenna position, polarization and turntable position of the above highest emission level were recorded for the final test.

Procedure of Final Test

EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.

The Analyzer / Receiver scanned from 30 MHz to 1 GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.





Recorded at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit and only Q.P. reading is presented.

For emissions from 30 MHz to 1 GHz, Quasi-Peak values were measured with EMI Receiver and the bandwidth of Receiver is 120 kHz.

Note:1).Pre-Scan all mode, Thus record worse case mode result in this report.

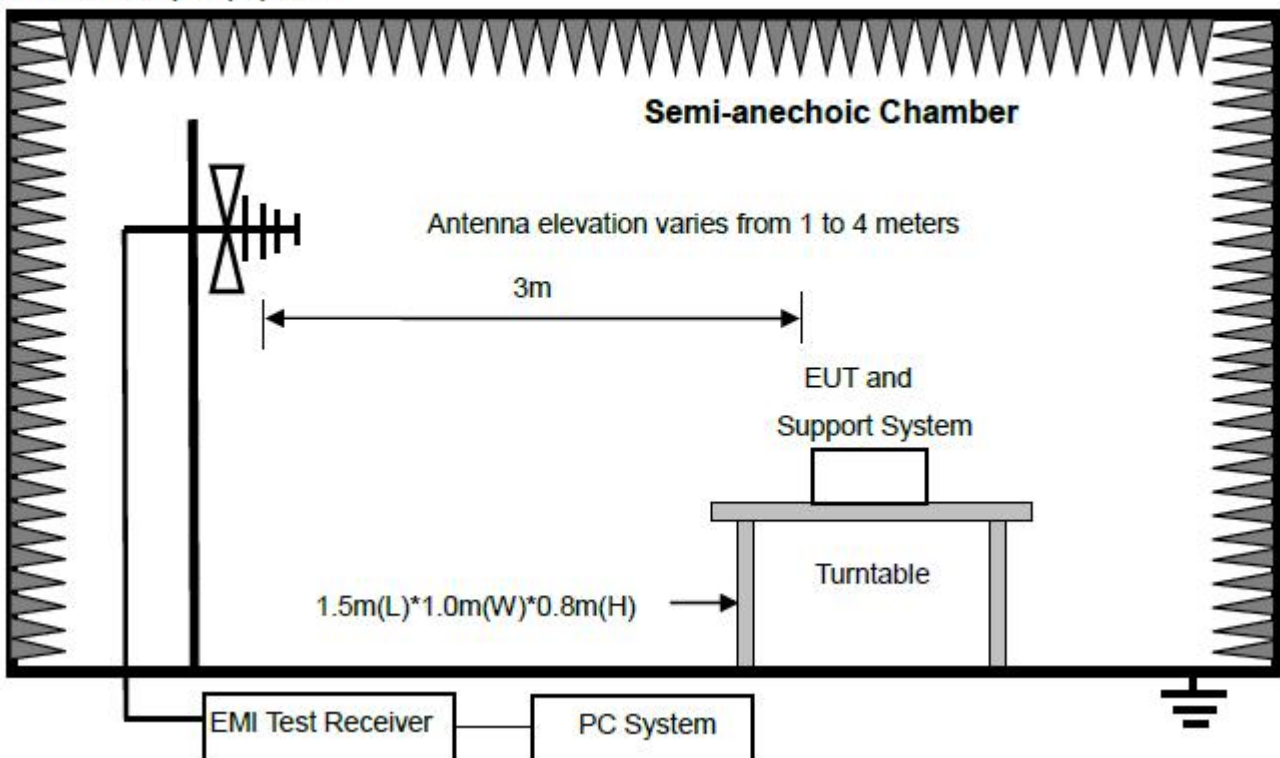
2) Margin= Reading level + Correct factor – Limit

Correct Factor=Antenna Factor+Cable Factor- Pre-amplifier Factor

4.2.3 Test Setup Diagram

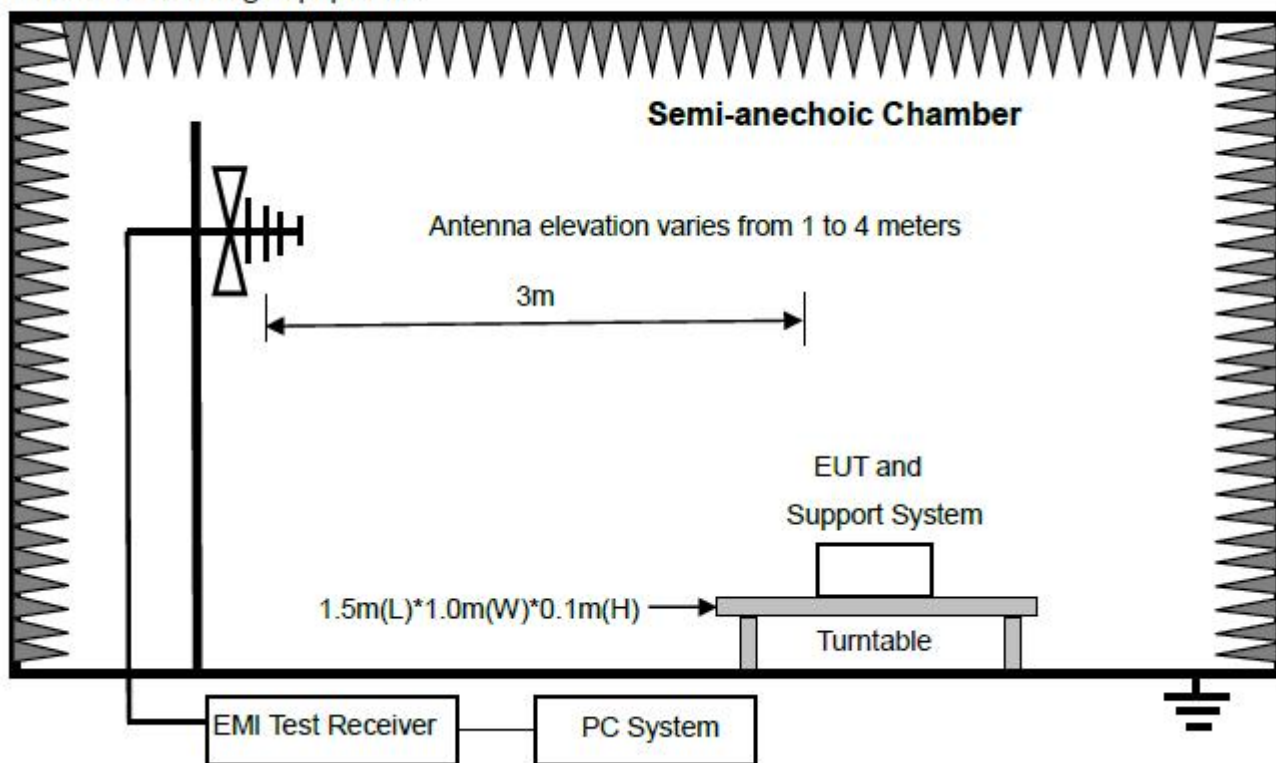
Below 1 GHz

For table-top equipment

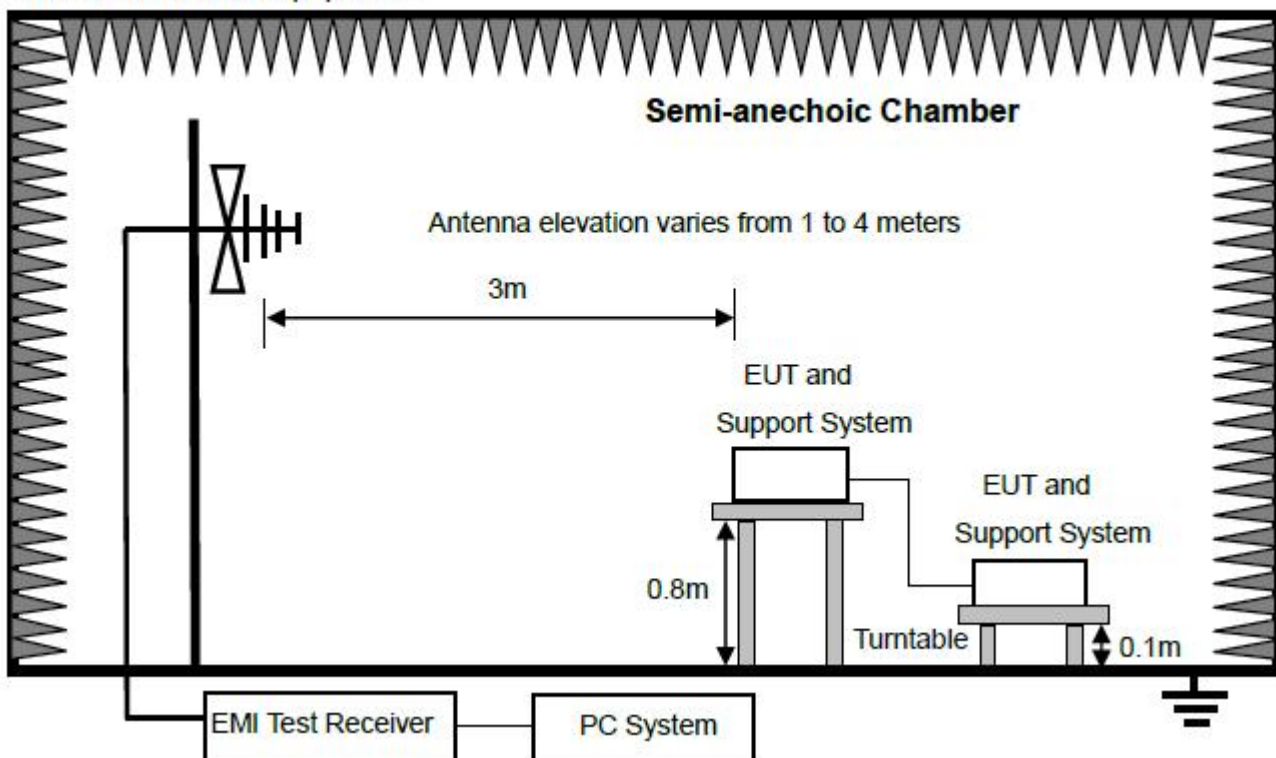




For floor standing equipment



For combinations equipment



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4.2.4 E.U.T. Operation

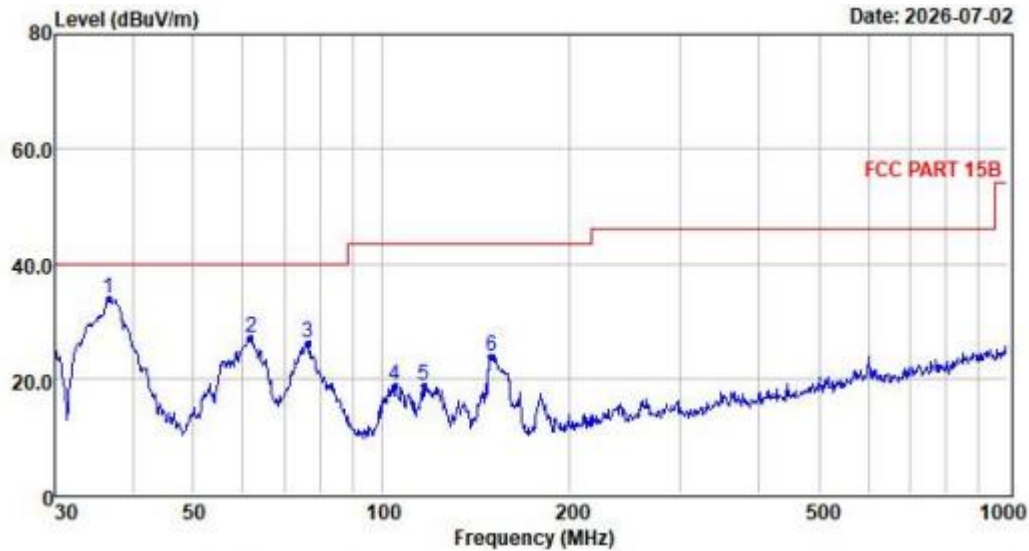
Operating Environment:			
Temperature:	22.3° C	Humidity:	53%RH
Test Engineer	Xing Jin Mo		
Mode 1	Working	Voltage	AC 120V/60Hz





4.2.5 Test data

Mode 1 / Polarization: Vertical



	Freq	Reading	CabLos	Antfac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	36.64	22.45	0.48	11.11	34.04	40.00	-5.96	QP
2	61.78	14.31	0.66	12.06	27.03	40.00	-12.97	QP
3	76.24	15.55	0.72	9.94	26.21	40.00	-13.79	QP
4	104.90	6.75	0.83	11.05	18.63	43.50	-24.87	QP
5	116.95	6.89	0.89	10.84	18.62	43.50	-24.88	QP
6	149.49	14.16	1.03	8.69	23.88	43.50	-19.62	QP

Note: 1. All readings are Quasi-peak values.

2. Measured= Reading + Antenna Factor + Cable Loss

3. The emission that are 20db below the official limit are not reported



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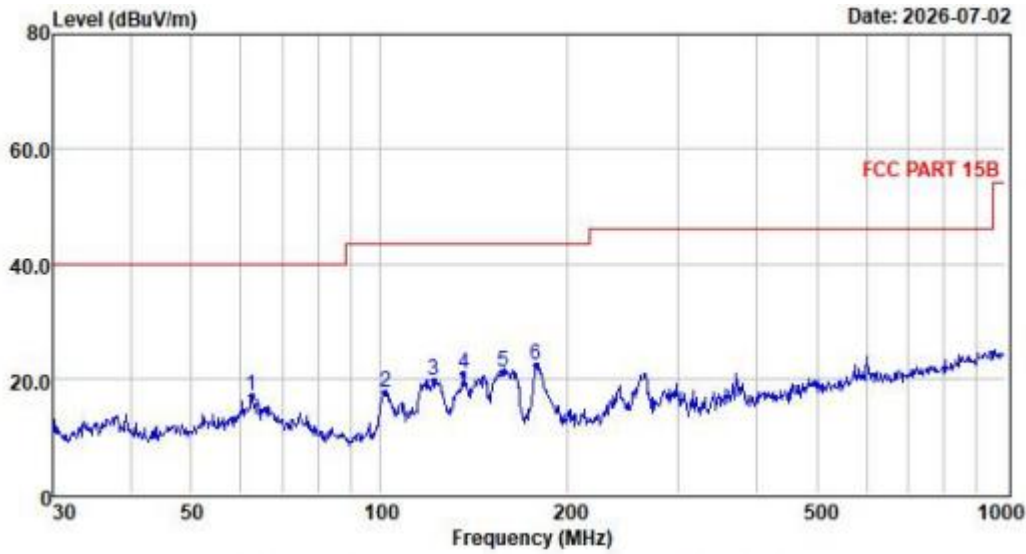
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Mode 1 / Polarization: Horizontal



	Freq	Reading	CabLos	Antfac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	62.43	4.33	0.66	11.91	16.90	40.00	-23.10	QP
2	102.00	5.84	0.81	10.85	17.50	43.50	-26.00	QP
3	121.98	8.46	0.91	10.36	19.73	43.50	-23.77	QP
4	136.46	11.14	0.98	8.81	20.93	43.50	-22.57	QP
5	157.56	10.99	1.06	9.08	21.13	43.50	-22.37	QP
6	178.13	11.25	1.13	9.78	22.16	43.50	-21.34	QP

Note: 1. All readings are Quasi-peak values.

2. Measured= Reading + Antenna Factor + Cable Loss

3. The emission that are 20db below the official limit are not reported



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5. TEST SETUP PHOTOS

Refer to Appendix - Test Setup Photos for LCSA06186118E.docx

6. EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)

Refer to Appendix - EUT Photos for LCSA06186118E.docx

-----End Report-----

