FCC Part 15, Subpart B, Class B

ARTIKA FOR LIVING INC. Hologram 5-LIGHT LED PENDANT Test Model: HOL5SP

Additional Model No.: HOL5SP-XXXXXX

("X" can be A to Z and/or 0 to 9 and/or blank (commercial code))

Prepared for	 ARTIKA FOR LIVING INC. 1756 50th avenue, Lachine, Qc, CanadaH8T 2V5
Address	Lachine Canada
Prepared by Address	 Shenzhen LCS Compliance Testing Laboratory Ltd. 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel	: (+86)755-82591330
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Date of receipt of test sample Number of tested samples Sample number Serial number Date of Test Date of Report	 July 30, 2021 1 210730084A Prototype July 30, 2021 ~ August 12, 2021 August 12, 2021

FCC Part 15, Subpart B, Class B FCC 47 CFR Part 15 Subpart B, Class B, ANSI C63.4 -2014

Report Reference No	LCS210730084AE		
Date Of Issue	August 12, 2021		
	Shenzhen LCS Compliance Testir		
	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, 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 :	1756 50th avenue, Lachine, Qc, Car Canada	nadaH8T 2V5 Lachine	
Test Specification			
Standard [:]	FCC 47 CFR Part 15 Subpart B, Cla	ass B, ANSI C63.4 -2014	
	LCSEMC-1.0		
Test Report Form No	LCSEMC-1.0 Shenzhen LCS Compliance Testing	Laboratory Ltd.	
Test Report Form No : TRF Originator : Master TRF :	Shenzhen LCS Compliance Testing Dated 2011-03	-	
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Test Report Form No	Shenzhen LCS Compliance Testing Dated 2011-03 E TESTING LABORATORY LTD. AI uced in whole or in part for non-comm LIANCE TESTING LABORATORY LT he material. SHENZHEN LCS COMP esponsibility for and will not assume bretation of the reproduced material of : Hologram 5-LIGHT LED PENDAN : HOL5SP : Artika : AC 120V, 50/60Hz,25W	I rights reserved. hercial purposes as long TD. is acknowledged as PLIANCE TESTING liability for damages due to its placement and	
Test Report Form No. : TRF Originator : Master TRF. : SHENZHEN LCS COMPLIANC : This publication may be reproduted as the SHENZHEN LCS COMPLIANC : Copyright owner and source of the LABORATORY LTD. takes no recontext. : Test Item Description. : Test Model : Trade Mark : Result	Shenzhen LCS Compliance Testing Dated 2011-03 E TESTING LABORATORY LTD. AI uced in whole or in part for non-comm LIANCE TESTING LABORATORY LT he material. SHENZHEN LCS COMP esponsibility for and will not assume oretation of the reproduced material of : Hologram 5-LIGHT LED PENDAN : HOL5SP : Artika : AC 120V, 50/60Hz,25W : Positive	I rights reserved. hercial purposes as long TD. is acknowledged as PLIANCE TESTING liability for damages due to its placement and IT	

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	SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. F	FCCID: 2AYFP-HOL5SP	Report No.: LCS210730084AE
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FCC -- TEST REPORT

Test Report No. :	LCS210730084AE

August 12, 2021 Date of issue

Test Model	: HUL5SP
FUT	: Hologram 5-LIGHT LED PENDANT
	. Hologiani 5-LIOTTI LEDTI LINDANT
Applicant	: ARTIKA FOR LIVING INC.
Addross	: 1756 50th avenue, Lachine, Qc, CanadaH8T 2V5
Audress	Lachine Canada
- · ·	
Telephone	:/
Fax	:/
Manufacturer	: ZHONGSHAN C5 LIGHTING CO. LTD
Address	: 1# Henglong Road, Tongyi Industrial Area, Cao San,
	Guzhen, Zhongshan, Guangdong, China.
Telephone	:/
Fax	
Fax	:/
Fax	:/
Fax	: / : ZHONGSHAN C5 LIGHTING CO. LTD
Fax	: / : ZHONGSHAN C5 LIGHTING CO. LTD : 1# Henglong Road, Tongyi Industrial Area, Cao San,
Fax Factory Address	 : / : ZHONGSHAN C5 LIGHTING CO. LTD : 1# Henglong Road, Tongyi Industrial Area, Cao San, Guzhen, Zhongshan, Guangdong, China.
Fax	 : / : ZHONGSHAN C5 LIGHTING CO. LTD : 1# Henglong Road, Tongyi Industrial Area, Cao San, Guzhen, Zhongshan, Guangdong, China.
Fax Factory Address Telephone	 : / : ZHONGSHAN C5 LIGHTING CO. LTD : 1# Henglong Road, Tongyi Industrial Area, Cao San, Guzhen, Zhongshan, Guangdong, China. : /
Fax Factory Address	 : / : ZHONGSHAN C5 LIGHTING CO. LTD : 1# Henglong Road, Tongyi Industrial Area, Cao San, Guzhen, Zhongshan, Guangdong, China. : /

Test Result according to the standards on page 6: Positive

The test report merely corresponds to the test sample.

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Revision History

Revision	Issue Date	Revisions	Revised By
000	August 12, 2021	Initial Issue	Gavin Liang

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1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION			
Description of Test Item	Standard	Limits	Results
Conducted disturbance at mains terminals	FCC 47 CFR Part 15 Subpart B, Class B, ANSI C63.4 -2014	Class B	PASS
Radiated disturbance	FCC 47 CFR Part 15 Subpart B, Class B, ANSI C63.4 -2014	Class B	PASS
	,		

N/A is an abbreviation for Not Applicable.

Test mode:		
Mode	Lighting	Record
***Note: All test modes wer	e tested, but we only recorded the worst	t case in this
report.		

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT	: Hologram 5-LIGHT LED PENDANT	
Trade Mark	: Artika	
Test Model	: HOL5SP	
Additional Model	: HOL5SP-XXXXXX ("X" 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) at the same, So no additional models were tested	re
Power Supply	: AC 120V, 50/60Hz,25W	

Highest internal frequency (Fx)	Highest measured frequency			
Fx ≤ 108 MHz	1 GHz			
108 MHz < Fx ≤ 500 MHz	2 GHz			
500 MHz < Fx ≤ 1 GHz	5 GHz			
Fx > 1 GHz 5 × Fx up to a maximum of 6 GHz				
NOTE 1 For FM and TV broadcast receivers, Fx is determined from the highest frequency generated or used excluding the local oscillator and tuned frequencies.				
Where Fx is unknown, the radiated emission measurements shall be performed up to 6 GHz.				

2.2. Support Equipment List

Name	Manufacturers	M/N	S/N

2.3. Description of Test Facility

Site Description

EMC Lab. : NVLAP Accreditation Code is 600167-0. FCC Designation Number is CN5024. FCC Test Firm Registration Number: 254912 CAB identifier is CN0071. CNAS Registration Number is L4595.

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2.4. Statement of the Measurement Uncertainty

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.

2.5. Measurement Uncertainty

Test	Parameters	Expanded Uncertainty (Ulab)	Expanded Uncertainty (Ucispr)
Conducted Emission	Level accuracy (9kHz to 150kHz) (150kHz to 30MHz)	± 2.63 dB ± 2.35 dB	± 3.8 dB ± 3.4 dB
Radiated Emission	Level accuracy (30MHz to 1000MHz)	$\pm3.48~\text{dB}$	\pm 5.3 dB
Radiated Emission	Level accuracy (above 1000MHz)	\pm 3.90 dB	\pm 5.2 dB

(1) Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.

(2) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

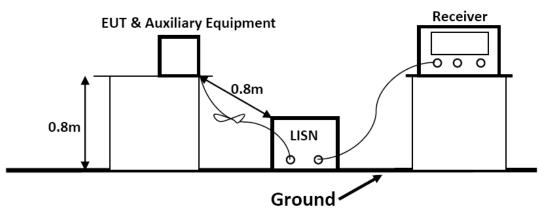
3. TEST RESULTS

3.1. POWER LINE CONDUCTED EMISSION MEASUREMENT

3.1.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	EMI Test Software	EZ	EZ-EMC	/	N/A	N/A
2	EMI Test Receiver	R&S	ESPI	101840	2021-06-22	2022-06-21
3	Artificial Mains	SCHWARZBECK	NSLK8127	8127716	2021-06-22	2022-06-21
4	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-0032	2021-06-22	2022-06-21
5	Impedance Stabilization Network	TESEQ	ISN T800	45130	2020-10-20	2021-10-19

The following test equipments are used during the power line conducted measurement: 3.1.2.Block Diagram of Test Setup



3.1.3.Test Standard

Power Line Conducted Emission Limits (Class B)

Frequency		Limit (dBµV)			
	(MHz)		Quasi-peak Level	Average Level	
0.15	~	0.50	66.0 ~ 56.0 *	56.0 ~ 46.0 *	
0.50	1	5.00	56.0	46.0	
5.00	1	30.00	60.0	50.0	
NOTE1-The lower limit shall apply at the transition frequencies.					
NOTE2-The limit decreases linearly with the logarithm of the					
frequency in the range 0.15MHz to 0.50MHz.					

3.1.4.EUT Configuration on Test

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 9 of 17 3.1.5. Operating Condition of EUT

- 3.1.5.1.Setup the EUT as shown on Section 3.1.2
- 3.1.5.2. Turn on the power of all equipments.
- 3.1.5.3.Let the EUT work in measuring Lighting and measure it.

3.1.6.Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC/ANSI C63.4-2014 on Conducted Emission Measurement.

The bandwidth of the test receiver is set at 9kHz.

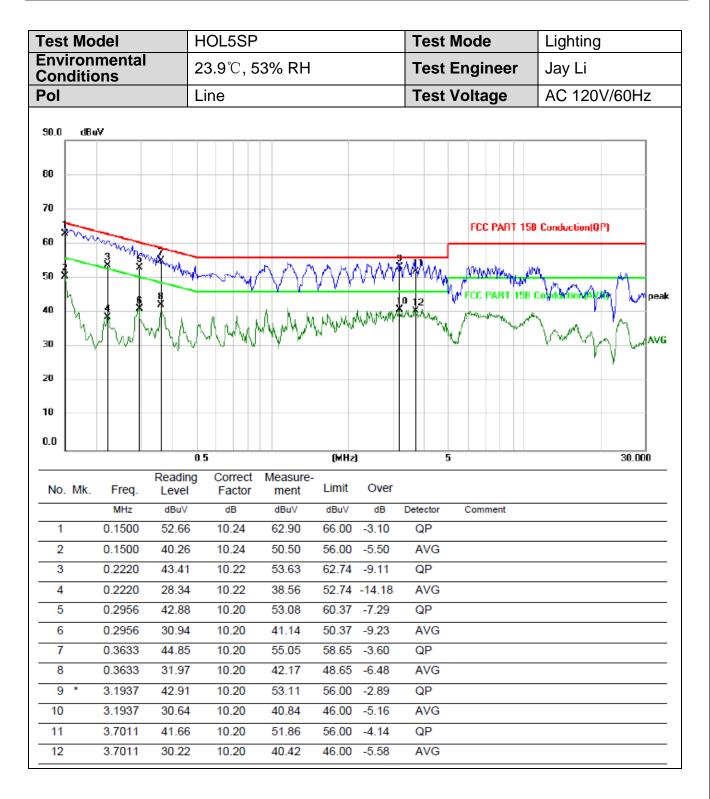
The frequency range from 150kHz to 30MHz is investigated

3.1.7.Test Results

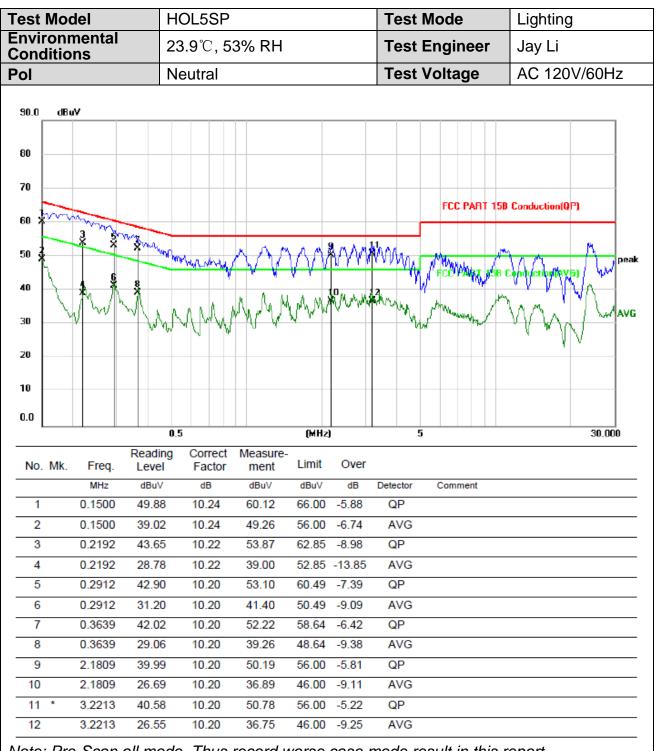
PASS.

The test result please refer to the next page.

P Report No.: LCS210730084AE



5SP Report No.: LCS210730084AE



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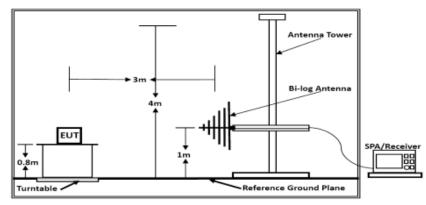
3.2. Radiated emission Measurement

3.2.1. Test Equipment

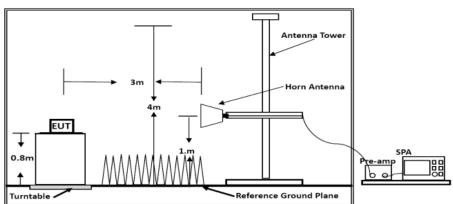
The following test equipments are used during the radiated emission measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	EMI Test Software	EZ	EZ-EMC	/	N/A	N/A
2	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2020-08-05	2022-08-04
3	Positioning Controller	MF	MF7082	MF78020803	2021-06-22	2022-06-21
4	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2020-07-26	2022-07-25
5	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2021-07-02	2022-07-01
6	EMI Test Receiver	R&S	ESR 7	101181	2021-06-22	2022-06-21
7	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2020-11-22	2021-11-21
8	Broadband Preamplifier	/	BP-01M18G	P190501	2021-06-22	2022-06-21
9	RF Cable-R03m	Jye Bao	RG142	CB021	2021-06-22	2022-06-21
10	RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	2021-06-22	2022-06-21
11	EMI Test Software	AUDIX	E3	/	N/A	N/A

3.2.2. Block Diagram of Test Setup



Below 1GHz



Above 1GHz

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Limits for Radiated Disturbance Below 1GHz

FREQUENCY	DISTANCE	FIELD STREN	NGTHS LIMIT			
MHz	Meters	μV/m	dB(μV)/m			
30 ~ 88	3	100	40			
88 ~ 216	3	150	43.5			
216 ~ 960	3	200	46			
960 ~ 1000	3	500	54			
Remark: (1) Emission level (dB) μ V = 20 log Emission level μ V/m						
(2) The smaller limit shall apply at the cross point between two						
frequency bands.						
(3) Distance is the distance in meters between the measuring						
instrument, antenna and the closest point of any part of the						
device or system.						
Limits for Radiated Emission Above 1GHz						
Frequency	Distance	Peak Limit	Average Limit			
(MHz)	(Meters)	(dBµV/m)	(dBµV/m)			
Above 1000	3	74	54			
***Note: The lower limit applies at the transition frequency.						

3.2.4. EUT Configuration on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

3.2.5. Operating Condition of EUT

3.2.5.1.Setup the EUT as shown in Section 3.2.2.

3.2.5.2.Let the EUT work in test Lighting and measure it.

3.2.6. Test Procedure

EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated by-log antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2014 on radiated emission measurement.

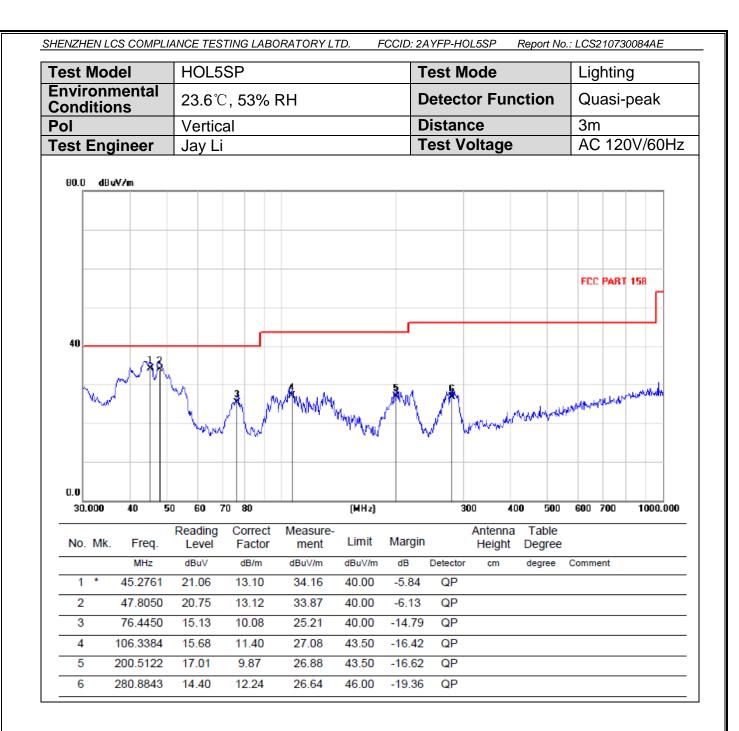
The bandwidth of the EMI test receiver is set at 120kHz, 300kHz. The frequency range from 30MHz to 1000MHz is checked.

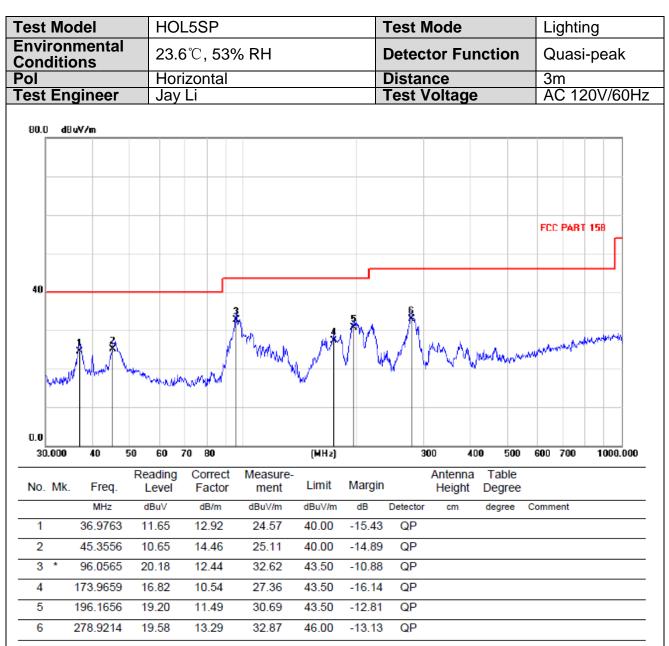
3.2.7. Radiated Emission Noise Measurement Result

PASS.

The scanning waveforms please refer to the next page.

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4. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

5. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

6. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

-----THE END OF TEST REPORT------