### FCC Part 15, Subpart B, Class B

### ARTIKA FOR LIVING INC

Crystal cube 1-pendant

Test Model: PDT-1CC

### Additional Model No.: PDT-1CC-XXXXXX

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

Prepared for	: ARTIKA FOR LIVING INC
Address	: 1756 50th avenue, Lachine, CanadaH8T 2V5
Prepared by Address	<ul> <li>Shenzhen LCS Compliance Testing Laboratory Ltd.</li> <li>Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao' an District, Shenzhen, Guangdong, China</li> </ul>
Tel	: (+86)755-82591330
Fax	: (+86)755-82591332
Web	: www.LCS-cert.com
Mail	: webmaster@LCS-cert.com
Date of receipt of test sample Number of tested samples Serial number Date of Test Date of Report	<ul> <li>March 12, 2021</li> <li>1</li> <li>210308544A</li> <li>March 12, 2021~ March 17, 2021</li> <li>March 19, 2021</li> </ul>



SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.FCC ID: 2AYFP-PDT-1CC

Report No.: LCS210308544AE

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

Report Reference No LCS210308544AE							
Date Of Issue March 19, 2021							
Testing Laboratory Name <sup>:</sup> Shenzhen LCS Compliance Testing Laboratory Ltd.							
	Address						
Applicant's Name							
	1756 50th avenue, Lachine, Canad	daH8T 2V5					
Test Specification							
: Standard	FCC 47 CFR Part 15 Subpart B, Cla	ss B, ANSI C63.4 -2014					
Test Report Form No <sup>:</sup>	LCSEMC-1.0						
TRF Originator Shenzhen LCS Compliance Testing Laboratory Ltd.							
Master TRF : Dated 2011-03							
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Test Item Description	Crystal cube 1-pendant						
Test Model	PDT-1CC						
Trade Mark	Artika						
Ratings Input: AC 100-135V, 50-60Hz, 0.4A Max Output:DC 15-22V, 300mA, 5.5W							
Result	Positive						
Compiled by:	Supervised by:	Approved by:					
Ray Young	Jin Wang	Grino Limog					
Ray Yang / File administrators	Jin Wang /Technique principal	Gavin Liang/ Manager					

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|--|

# FCC -- TEST REPORT

L

Test Report No. : LC	S210308544AE	March 19, 2021 Date of issue
Test Model	: PDT-1CC	
EUT	: Crystal cube 1-pend	ant
Applicant	: ARTIKA FOR LIVIN	G INC
Address		
Telephone		
Fax		
Manufacturer	: ZHONGSHAN C5 L	IGHTING CO. LTD
	: 1# Henglong Road,	Tongyi Industrial Area, Cao San, , Guangdong, China.
Telephone		
Fax	:/	
Factory	: ZHONGSHAN C5 L	IGHTING CO. LTD
Address	: 1# Henglong Road,	Tongyi Industrial Area, Cao San, , Guangdong, China.
Telephone		
Fax	:/	

Test Result according to the standards on page 6: **Positive** 

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**

Revision	Issue Date	Revisions	Revised By
000 March 19, 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	Class B	PASS				
Radiated disturbance	Class B	PASS				
N/A is an abbreviation for Not Applicable.						

Test mode:		
Mode	Working	Record

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AYFP-PDT-1CC

### 2. GENERAL INFORMATION

2.1. Description of Device (EUT)

E	UT	:	Crystal cube 1-pendant
Т	rade Mark	:	Artika
Т	est Model	:	PDT-1CC
A	Additional Model No.	:	PDT-1CC-XXXXXX ("XXXXXX" can be A to Z and/or 0 to 9 and/or blank (commercial code))
N	Nodel Declaration	:	PCB board, structure and internal of these model(s) are the same, So no additional models were tested
F	Power Supply	:	Input: AC 100-135V, 50-60Hz, 0.4A Max Output:DC 15-22V, 300mA, 5.5W

#### 2.2. Description of Support Device

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. CAB identifier is CN0071. CNAS Registration Number is L4595.

#### 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	TestParametersConducted EmissionLevel accuracy (9kHz to 150kHz) (150kHz to 30MHz)		Expanded Uncertainty (Ucispr)
			± 3.8 dB ± 3.4 dB
Radiated Emission	Level accuracy (30MHz to 1000MHz)	$\pm$ 3.48 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%.

 SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.
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### **3. TEST RESULTS**

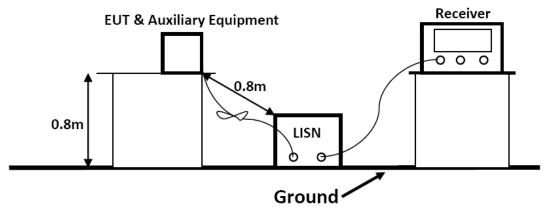
### 3.1. POWER LINE CONDUCTED EMISSION MEASUREMENT

#### 3.1.1. Test Equipment

#### The following test equipments are used during the power line conducted measurement:

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	2020-06-22	2021-06-21
3	Artificial Mains	R&S	ENV216	101288	2020-06-22	2021-06-21
4	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-0 01-0032	2020-06-22	2021-06-21
5	Impedance Stabilization Network	TESEQ	ISN T800	45130	2020-10-20	2021-10-19

#### 3.1.2.Block Diagram of Test Setup



#### 3.1.3.Test Standard

#### Power Line Conducted Emission Limits (Class B)

Frequency (MHz)			Limit (dBµV)			
			Quasi-peak Level	Average Level		
0.15	~	0.50	66.0 ~ 56.0 *	56.0 ~ 46.0 *		
0.50	~	5.00	56.0	46.0		
5.00	~	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 Working 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

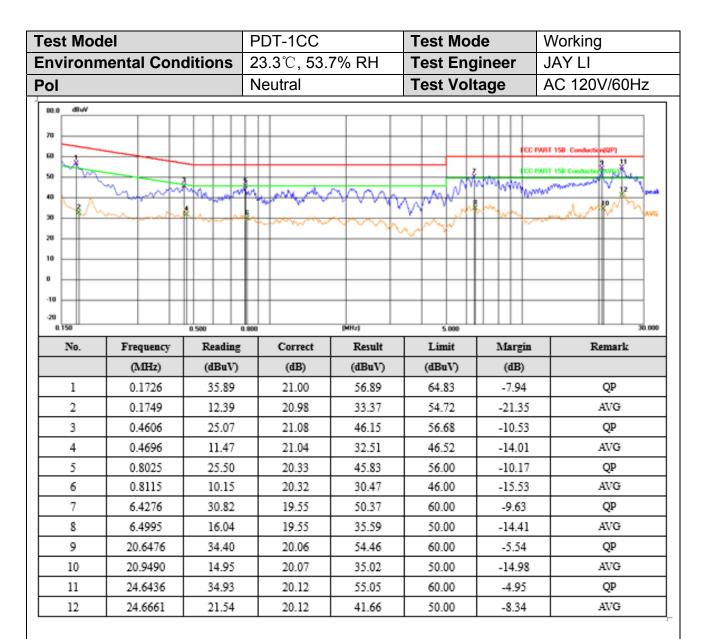
#### PASS.

The test result please refer to the next page.

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Test Model			PDT-1CC		Test Mode		Working	
Environmental Conditions			23.3℃, 53.7% RH		Test Engineer		JAY LI	
Pol			Line		Test Voltage		AC 120V/60Hz	
00.0 dBvV 70 60 50 40 30 20 10 0 -10 -20	Manana and a second						ART 158 Conductor(QP)	
0.150 No.	Frequency	Reading	Correct	(MHz) Result	Limit	Margin	30.000 Remark	
110.	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	Termark	
1	0.1906	35.73	20.87	56.60	64.01	-7.41	QP	
2	0.1924	15.98	20.86	36.84	53.93	-17.09	AVG	
3	0.4606	25.53	21.09	46.62	56.68	-10.06	QP	
4	0.4696	11.96	21.05	33.01	46.52	-13.51	AVG	
5	0.7845	25.58	20.36	45.94	56.00	-10.06	QP	
6	0.8025	11.04	20.34	31.38	46.00	-14.62	AVG	
7	6.0946	30.80	19.54	50.34	60.00	-9.66	QP	
8	6.1981	15.81	19.54	35.35	50.00	-14.65	AVG	
9	20.6476	32.02	20.30	52.32	60.00	-7.68	QP	
10	20.7511	14.04	20.29	34.33	50.00	-15.67	AVG	
11	24.6436	33.87	20.24	54.11	60.00	-5.89	QP	
12	25.0396	17.73	20.23	37.96	50.00	-12.04	AVG	

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

Margin=Reading level + Correct - Limit

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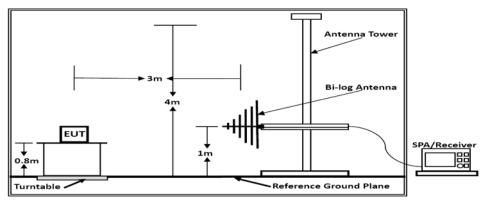
#### 3.2. Radiated emission Measurement

#### 3.2.1. Test Equipment

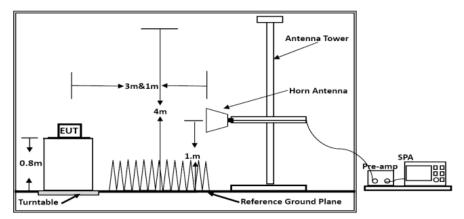
The following test equipments are used during the radiated emission measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	EMI Test Software	EZ	EZ-EMC	/	N/A	N/A
2	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2018-07-26	2021-07-25
3	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-192 5	2018-07-02	2021-07-01
4	EMI Test Receiver	R&S	ESR 7	101181	2020-06-22	2021-06-21
5	Broadband Preamplifier	/	BP-01M18G	P190501	2020-06-22	2021-06-21
6	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 STREM	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) $\mu$ V = 20 log Emission level $\mu$ 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)	(MHz) (Meters)		(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 Mode 1 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.

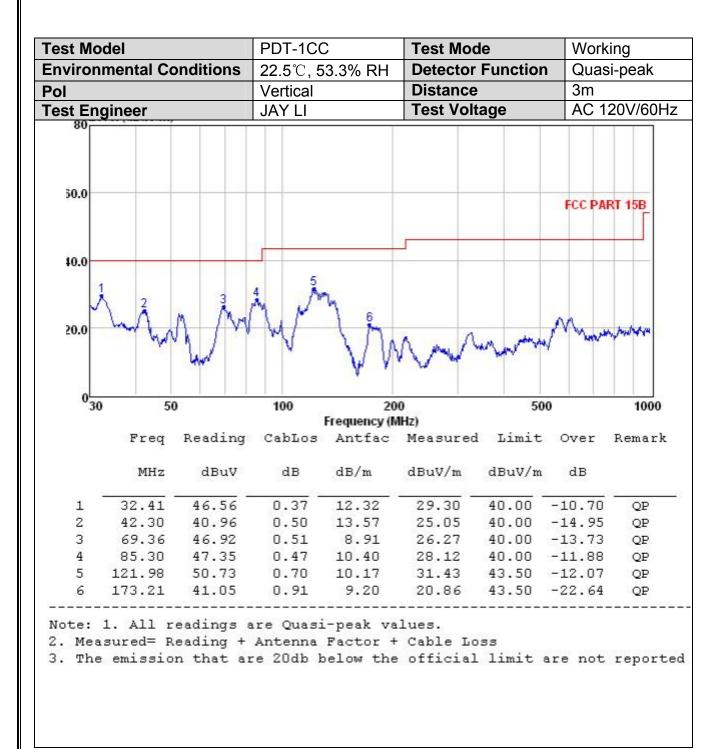
The frequency range from 30MHz to 1000MHz is checked.

3.2.7. Radiated Emission Noise Measurement Result

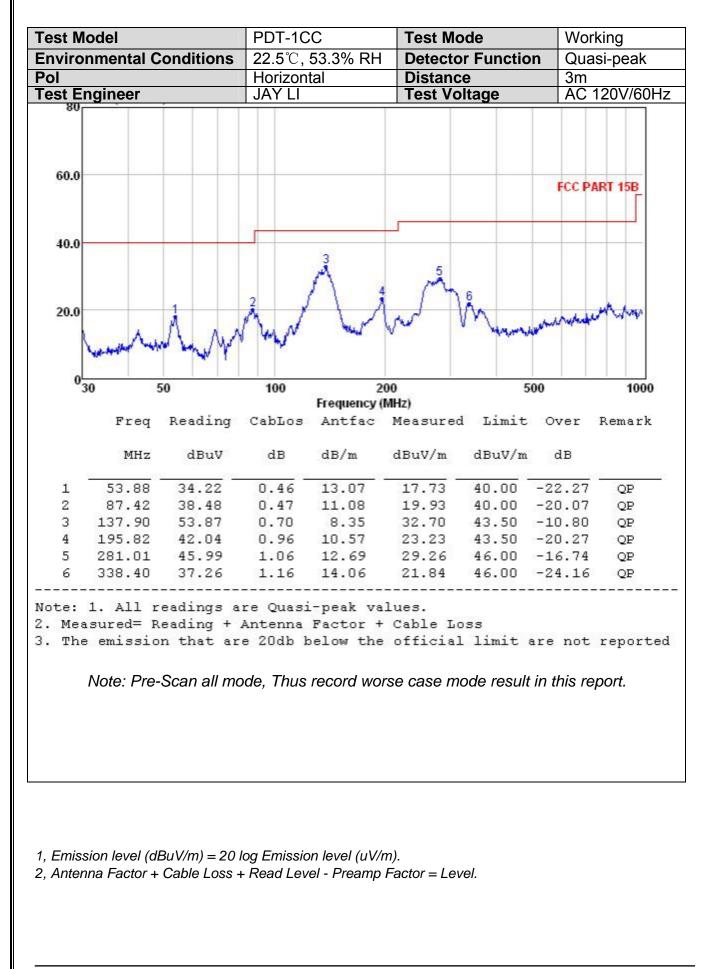
#### PASS.

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------