FCC TEST REPORT

For

ARTIKA FOR LIVING INC

LED CEILING FAN

Test Model: FAN-AUR-C2BL

Additional Model No.: FAN-AUR-******("******" means may be follow by up to six characters, The character mentioned can be letters, numbers, “-“ or blank. denote different commercial codes))

Prepared for	:	ARTIKA FOR LIVING INC
Address	:	1756 50th avenue, Lachine, Qc, Canada H8T 2V5
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample	:	July 18, 2024
Number of tested samples	:	1
Serial number	:	Prototype
Sample No.	:	A24071512001
Date of Test	:	July 18, 2024 to July 23, 2024
Date of Report	:	July 23, 2024

TEST REPORT

Report No.	:	**LCSA07014365E**
Date of Issue	:	July 23, 2024
Testing Laboratory Name	:	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address	:	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, Canada H8T 2V5
Test Specification		
Standard	:	FCC 47 CFR Part 15, Subpart B ANSI C63.4-2014
Test Report Form No.	:	TRF-4-E-010 A/0
TRF Originator	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF	:	Dated 2011-03

Test Item Description.	:	**LED CEILING FAN**
Trade Mark	:	ARTIKA
Test Model	:	FAN-AUR-C2BL
Result	:	**Positive**

Compiled by:	**Supervised by:**	**Approved by:**
Emma wang / File Administrator	Cary Luo/ Technique principal	Gavin Liang / Manager

TEST REPORT

Test Report No.: LCSA07014365E	July 23, 2024 Date of issue

Test Model	:	**FAN-AUR-C2BL**
EUT	:	LED CEILING FAN
Applicant	:	**ARTIKA FOR LIVING INC**
Address	:	1756 50th avenue, Lachine, Qc, Canada H8T 2V5
Telephone	:	/
Fax	:	/
Manufacturer	:	**Giant Force Technology Inc.**
Address	:	Sui Feng Nian Village, Lin Hai Industries Park, Sha Tian Town, Dong Guan City, China
Telephone	:	/
Fax	:	/
Factory	:	**Giant Force Technology Inc.**
Address	:	Sui Feng Nian Village, Lin Hai Industries Park, Sha Tian Town, Dong Guan City, China
Telephone	:	/
Fax	:	/

Test Result	**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

Report Version	Issue Date	Revision Content	Revised By
000	July 23, 2024	Initial Issue	/

TABLE OF CONTENTS

Test Report Description Page

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.

Description of Test Item	Standard	Limits	Result
Conducted emissions on AC mains	FCC 47 CFR Part 15, Subpart B ANSI C63.4-2014	15.107, Class B	Pass
Radiated emissions (Below 1GHz)	FCC 47 CFR Part 15, Subpart B ANSI C63.4-2014	15.109, Class B	Pass

1.2 Description of Test Modes

No	Title	Description
TM1	Working(AC 120V/60Hz)	Record

2. GENERAL INFORMATION

2.1 Description of Device (EUT)

EUT	: LED CEILING FAN
Test Model	: FAN-AUR-C2BL
Additional Model No.	: FAN-AUR-******("******" means may be follow by up to six characters, The character mentioned can be letters, numbers, "-" or blank. denote different commercial codes))
Model Declaration	: PCB board, structure and internal of these model(s) are the same, So no additional models were tested.
Power Supply	: 100-240V~, 60Hz, 70W
Highest Internal Frequency	: ⩽108MHz
Classification of Equipment	: Class B

Highest internal frequency (Fx)	Highest measured frequency
Fx ≤ 1.705MHz	30MHz
1.705MHz < Fx ≤ 108MHz	1GHz
108MHz < Fx ≤ 500MHz	2GHz
500MHz < Fx ≤ 1000MHz	5GHz
Fx > 1GHz	5 x Fx up to a maximum of 40GHz

2.2 Support equipment List

The EUT was tested as an independent device.

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.
Test Firm Registration Number: 254912.

2.4 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emission (150kHz to 30MHz)	± 2.35 dB
Radiated Emission (30MHz to 1000MHz)	± 3.48 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 on AC mains					
Equipment	**Manufacturer**	**Model No**	**Serial No.**	**Cal Date**	**Due Date**
EMI Test Software	Farad	EZ	/	/	/
Artificial Mains	R&S	ENV216	101288	2024-06-06	2025-06-05
Pulse Limiter	R&S	ESH3-Z2	102750-NB	2023-08-15	2024-08-14
EMI Test Receiver	R&S	ESR3	102312	2024-03-02	2025-03-01

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	9163-470	2021-09-12	2024-09-11
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2021-09-05	2024-09-04
EMI Test Receiver	R&S	ESR3	102311	2023-08-15	2024-08-14
Broadband Preamplifier	/	BP-01M18G	P190501	2024-06-06	2025-06-05
EMI Test Receiver	R&S	ESCI7	101173	2023-10-25	2024-10-24
By-log Antenna	SchwarzZBECK	VULB9163	01428	2023-09-05	2024-09-04

4. EMISSION TEST RESULTS (EMI)

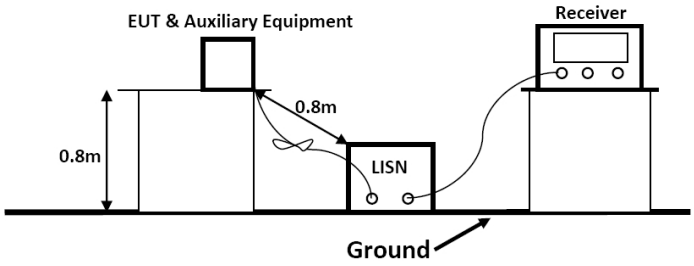
4.1 Conducted emissions on AC mains

Test Requirement:	15.107, Class B
Test Limit:	**Frequency of emission (MHz)** / **Conducted limit (dBμV)** (Quasi-peak / Average) 0.15-0.5: 66 to 56* / 56 to 46* 0.5-5: 56 / 46 5-30: 60 / 50 *Decreases with the logarithm of the frequency.
Test Method:	ANSI C63.4-2014
Procedure:	An initial pre-scan was performed with peak detector.Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected. Remark: Level= Read Level+ Cable Loss+ LISN Factor

4.1.1 E.U.T. Operation:

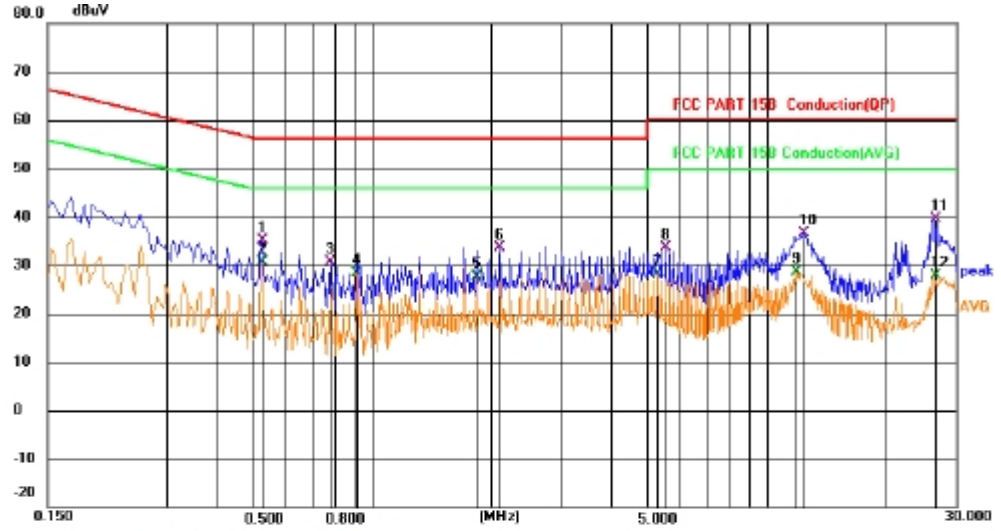
Operating Environment:			
Temperature:	22.5 °C	Humidity:	53.7 %
Pre test mode:	TM1		
Final test mode:	TM1		

4.1.2 Test Setup Diagram:



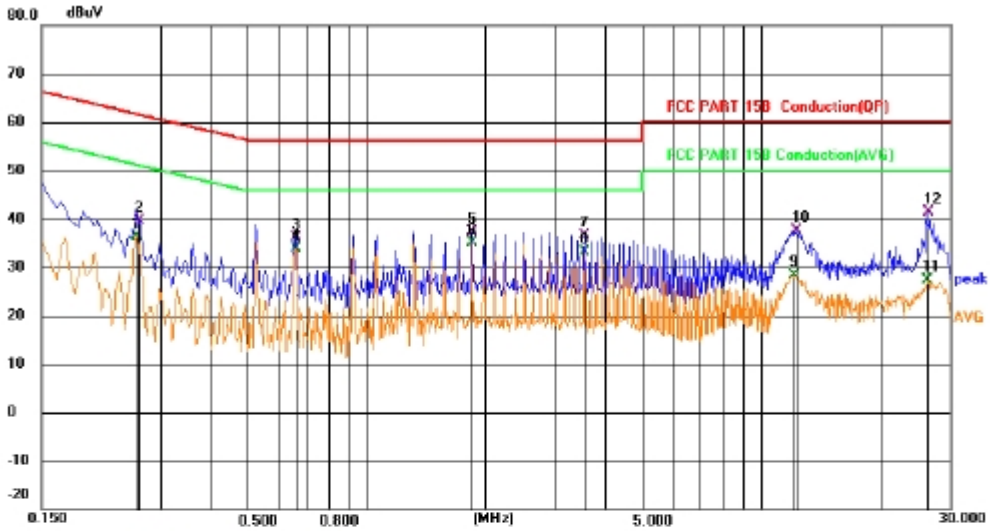
4.1.3 Test Data:

TM1 / Line: Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.5233	15.43	19.65	35.08	56.00	-20.92	QP	
2	*	0.5233	11.08	19.65	30.73	46.00	-15.27	AVG	
3		0.7799	10.96	19.64	30.60	56.00	-25.40	QP	
4		0.9150	8.76	19.65	28.41	46.00	-17.59	AVG	
5		1.8373	8.01	19.68	27.69	46.00	-18.31	AVG	
6		2.1030	13.91	19.68	33.59	56.00	-22.41	QP	
7		5.2621	8.53	19.70	28.23	50.00	-21.77	AVG	
8		5.5274	13.86	19.70	33.56	60.00	-26.44	QP	
9		11.8544	8.71	19.84	28.55	50.00	-21.45	AVG	
10		12.3810	16.90	19.84	36.74	60.00	-23.26	QP	
11		26.5874	19.60	20.03	39.63	60.00	-20.37	QP	
12		26.5874	7.74	20.03	27.77	50.00	-22.23	AVG	

TM1 / Line: Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2626	16.87	19.63	36.50	51.35	-14.85	AVG	
2		0.2644	20.04	19.63	39.67	61.29	-21.62	QP	
3		0.6586	16.56	19.65	36.21	56.00	-19.79	QP	
4		0.6586	14.29	19.65	33.94	46.00	-12.06	AVG	
5		1.8466	17.78	19.68	37.46	56.00	-18.54	QP	
6	*	1.8466	15.34	19.68	35.02	46.00	-10.98	AVG	
7		3.5656	16.78	19.78	36.56	56.00	-19.44	QP	
8		3.5656	13.23	19.78	33.01	46.00	-12.99	AVG	
9		12.1876	8.63	19.84	28.47	50.00	-21.53	AVG	
10		12.2911	17.79	19.84	37.63	60.00	-22.37	QP	
11		26.3356	7.47	20.03	27.50	50.00	-22.50	AVG	
12		26.6056	21.24	20.03	41.27	60.00	-18.73	QP	

***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 Limitter

4.2 Radiated emissions (Below 1GHz)

Test Requirement:	15.109, Class B
Test Limit:	Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

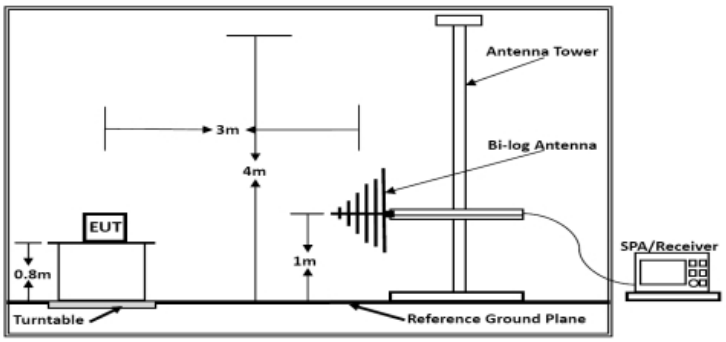
Frequency of emission (MHz)	Field strength @3m		Field strength @10m	
	(uV/m)	(dBuV/m)	(uV/m)	(dBuV/m)
30 – 88	100	40	30	29.5
88 – 216	150	43.5	45	33.1
216 – 960	200	46	60	35.6
Above 960	500	54	150	43.5

Test Method:	ANSI C63.4-2014
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

4.2.1 E.U.T. Operation:

Operating Environment:			
Temperature:	26.4 °C	Humidity:	54.2 %
Pre test mode:	TM1		
Final test mode:	TM1		

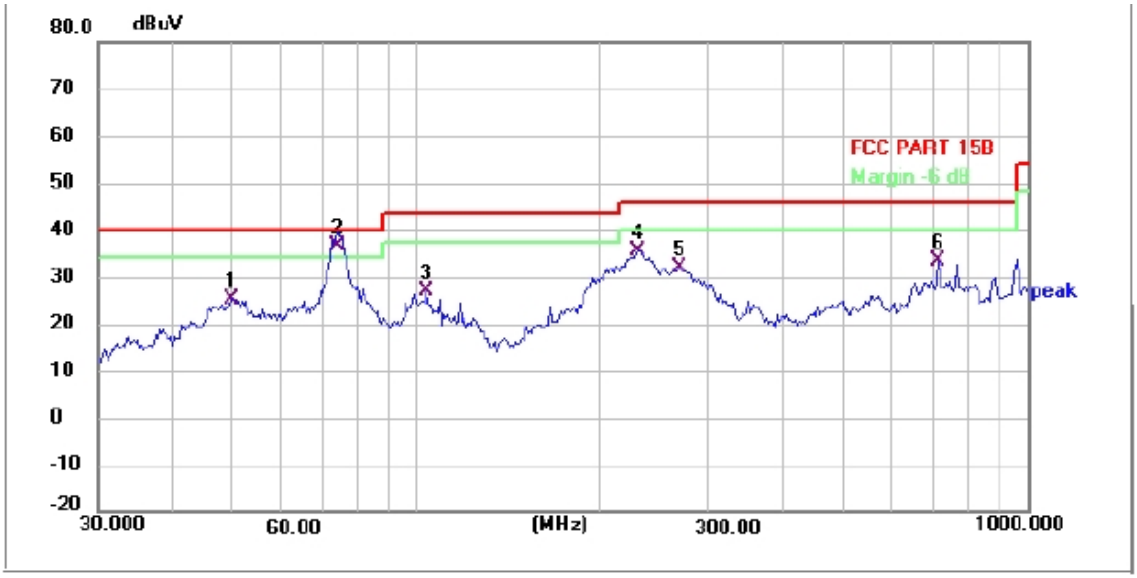
4.2.2 Test Setup Diagram:



Below 1GHz

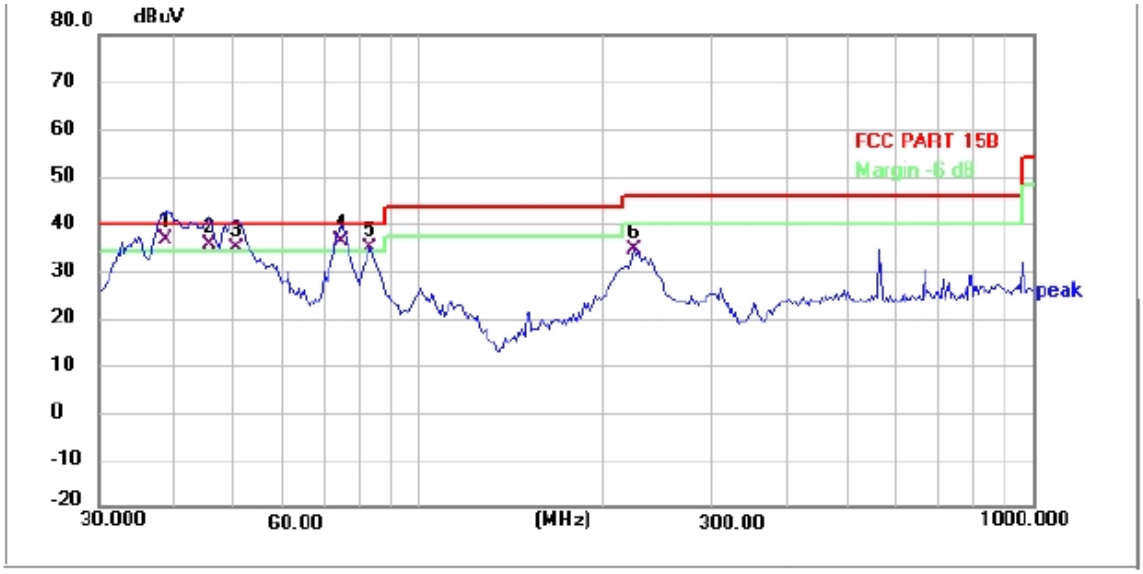
4.2.3 Test Data:

TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	49.7571	41.38	-16.08	25.30	40.00	-14.70	QP			P	
2 *	73.7495	57.54	-21.02	36.52	40.00	-3.48	QP			P	
3	103.3353	45.31	-18.47	26.84	43.50	-16.66	QP			P	
4	230.2295	53.02	-17.61	35.41	46.00	-10.59	QP			P	
5	268.7212	48.54	-16.70	31.84	46.00	-14.16	QP			P	
6	713.6917	42.48	-9.17	33.31	46.00	-12.69	QP			P	

TM1 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	38.6357	54.37	-17.77	36.60	40.00	-3.40	QP			P	
2 !	45.4130	51.84	-16.19	35.65	40.00	-4.35	QP			P	
3 !	50.1080	50.75	-16.10	34.65	40.00	-5.35	QP			P	
4 !	74.2696	57.35	-21.12	36.23	40.00	-3.77	QP			P	
5 !	83.1076	56.44	-21.61	34.83	40.00	-5.17	QP			P	
6	223.8482	52.17	-17.78	34.39	46.00	-11.61	QP			P	

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

5. TEST SETUP PHOTOS

Refer to Appendix - Test Setup Photos for LCSA07014365E.docx

6. EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)

Refer to Appendix - EUT Photos for LCSA07014365E.docx

--- End of Report ---