FCC Part 15, Subpart B, Class B

ARTIKA FOR LIVING INC.

Dixon outdoor 3 CCT

Test Model: OUT-DIC-HD2BL

Additional Model No.: Please Refer to Page 7

Prepared for	:	ARTIKA FOR LIVING INC.
Address	:	1756 50th avenue, Lachine, Qc, CanadaH8T 2V5
Prepared by	:	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
Tel	:	(+86)755-82591330
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Web	:	www.LCS-cert.com
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Date of receipt of test sample	:	April 29, 2022
Number of tested samples	:	2
Sample No.	:	220429086A-1,220429086A-2
Serial number	:	Prototype
Date of Test	:	April 29, 2022 ~ May 10, 2022
Date of Report	:	May 11, 2022

FCC Part 15, Subpart B, Class B FCC 47 CFR Part 15 Subpart B, Class B, ANSI C63.4 -2014	
Report Reference No.	**: LCS220429086AE**
Date Of Issue.....	: May 11, 2022
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, CanadaH8T 2V5
Test Specification	
Standard.....	: FCC 47 CFR Part 15 Subpart B, Class B, ANSI C63.4 -2014
Test Report Form No.....	: LCSEMC-1.0
TRF Originator.....	: Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF.....	: Dated 2011-03

Test Item Description.....	**: Dixon outdoor 3 CCT**
Trade Mark.....	: ARTIKA
Test Model	: OUT-DIC-HD2BL
Ratings.....	: Input: AC 120V, 60Hz, Max 11W
Result	**: Positive**

Compiled by:	Supervised by:	Approved by:
Diamond Lu/ Administrator	Jin Wang/ Technique principal	Gavin Liang/ Manager

FCC SDOC-- TEST REPORT

Test Report No. : **LCS220429086AE**	May 11, 2022 Date of issue

Test Model	: OUT-DIC-HD2BL
EUT.....	: Dixon outdoor 3 CCT
Applicant.....	**: ARTIKA FOR LIVING INC.**
Address.....	: 1756 50th avenue, Lachine, Qc, CanadaH8T 2V5
Telephone.....	: /
Fax.....	: /
Manufacturer.....	**: Ningbo Shenghe Lighting Co., LTD.**
Address.....	: No.311 Penglai Road, Xiangshan Economic development Zone, Ningbo, Zhejiang, 315700
Telephone.....	: /
Fax.....	: /
Factory.....	**: Ningbo Shenghe Lighting Co., LTD.**
Address.....	: No.311 Penglai Road, Xiangshan Economic development Zone, Ningbo, Zhejiang, 315700
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

Report Version	Issue Date	Revision Content	Revised By
000	May 11, 2022	Initial Issue	--

TABLE OF CONTENTS

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 1	Lighting	Record

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT	:	Dixon outdoor 3 CCT
Trade Mark	:	ARTIKA
Additional Model No.	:	OUT-DIC-XXXXXX ("XXXXXX" can be A to Z and/or 0 to 9 and or/blank(commerical code)
Model Declaration	:	PCB board, structure and internal of these model(s) are the same, So no additional models were tested
Test Model	:	OUT-DIC-HD2BL
Power Supply	:	Input: AC 120V, 60Hz, Max 11W
Highest internal frequency (Fx)	:	Fx ≤ 108 MHz

Highest internal frequency (Fx)	Highest measured frequency
Fx ≤ 108 MHz 108 MHz < Fx ≤ 500 MHz 500 MHz < Fx ≤ 1 GHz Fx > 1 GHz	1 GHz 2 GHz 5 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

Manufacturer	Description	Model	Serial Number	Certificate
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2.3 External I/O Cable

I/O Port Description	Quantity	Cable
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2.4. 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.
Test Firm Registration Number: 254912.

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 (9kHz to 30MHz)	± 3.68 dB	N/A
Radiated Emission	Level accuracy (30MHz to 1000MHz)	± 3.48 dB	± 5.3 dB
Radiated Emission	Level accuracy (above 1000MHz)	± 3.90 dB	± 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

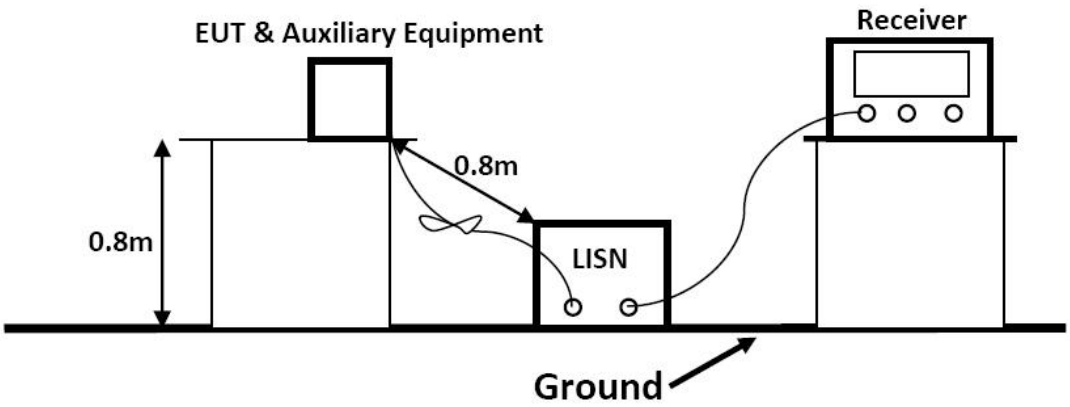
3.1. POWER LINE CONDUCTED EMISSION MEASUREMENT

3.1.1. Test Equipment

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

Item	Test equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	EMI Test Receiver	R&S	ESCI	101142	2021-06-08	2022-06-08
2	10dB Attenuator	SCHWARZBECK	VTSD9561-F	9561-F159	2021-06-08	2022-06-08
3	Artificial Mains Network	SCHWARZBECK	NSLK8127	8127716	2021-06-08	2022-06-08
4	EMI Test Software	EZ	EZ_EMC	N/A	/	/
5	Asymmetric Artificial Network	SCHWARZBECK	NTFM 8158	NTFM8158#120	2021-06-08	2022-06-08
6	Voltage Probe	SCHWARZBECK	KT 9420	9420401	2021-06-08	2022-06-08
7	No. 2 shielded Room	CHENGYU	843	/	2020-06-16	2023-06-16

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.

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 Mode 1 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.

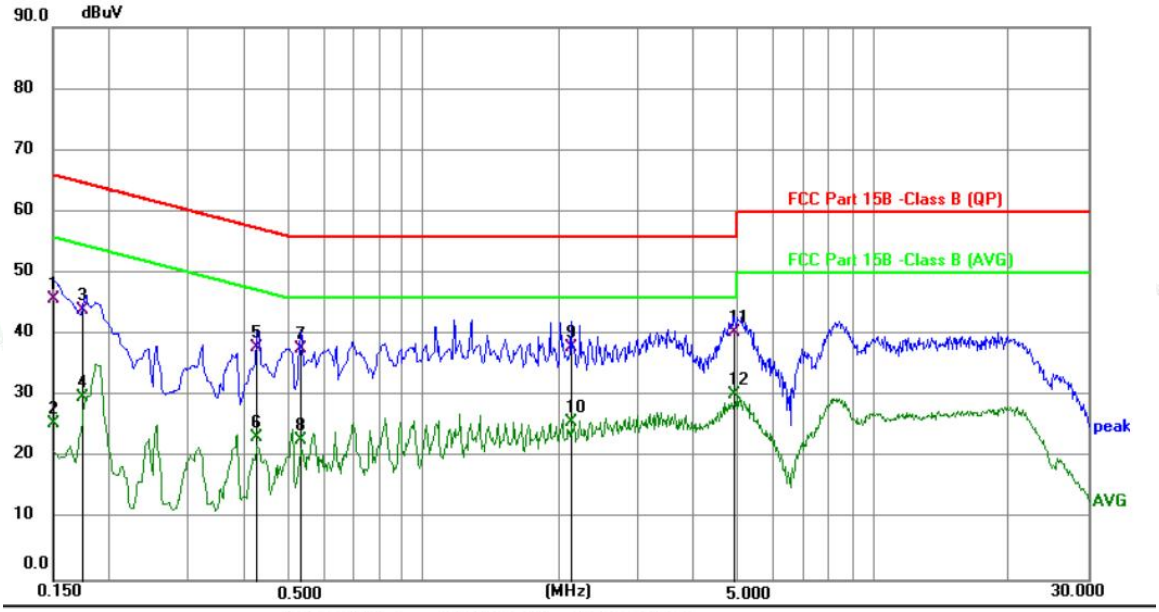
The frequency range from 150kHz to 30MHz is investigated

3.1.7.Test Results

PASS.

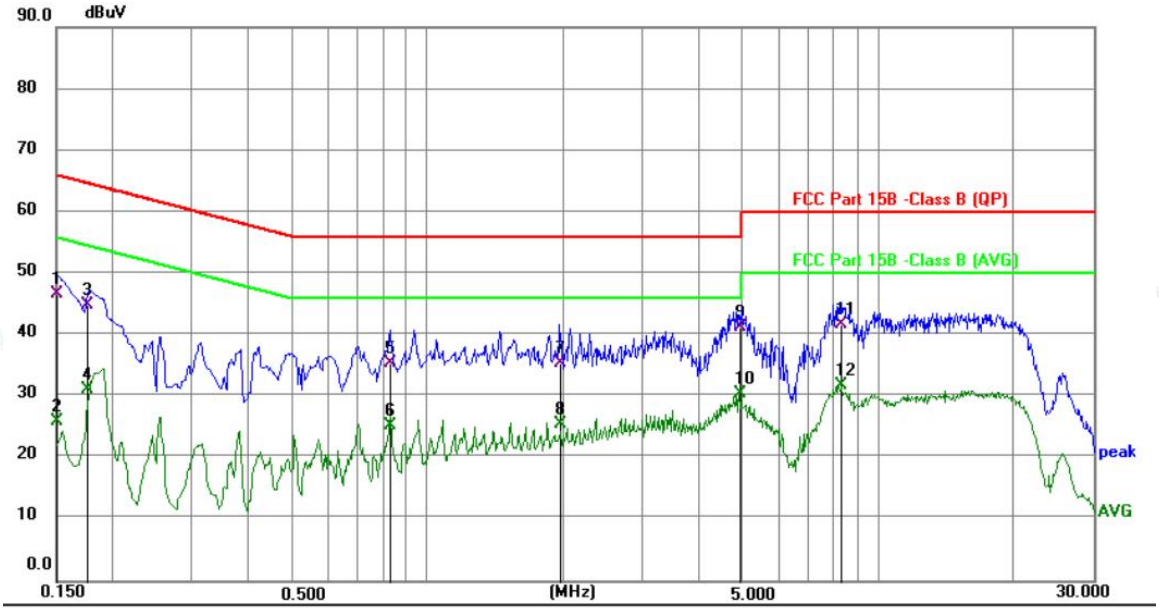
The test result please refer to the next page.

Test Model	OUT-DIC-HD2BL	Test Mode	Mode 1
Environmental Conditions	24.5℃, 55% RH	Test Engineer	Monkey Li
Pol	Line	Test Voltage	AC 120V/60Hz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz		dB	dBuV	dBuV	dB	Detector	Comm
1		0.1500	35.66	10.24	45.90	66.00	-20.10	QP	
2		0.1500	15.26	10.24	25.50	56.00	-30.50	AVG	
3		0.1750	33.69	10.23	43.92	64.72	-20.80	QP	
4		0.1750	19.53	10.23	29.76	54.72	-24.96	AVG	
5		0.4270	27.79	10.20	37.99	57.31	-19.32	QP	
6		0.4270	13.05	10.20	23.25	47.31	-24.06	AVG	
7		0.5342	27.38	10.20	37.58	56.00	-18.42	QP	
8		0.5342	12.74	10.20	22.94	46.00	-23.06	AVG	
9		2.1390	27.79	10.20	37.99	56.00	-18.01	QP	
10		2.1390	15.63	10.20	25.83	46.00	-20.17	AVG	
11	*	4.9087	30.25	10.20	40.45	56.00	-15.55	QP	
12		4.9087	20.14	10.20	30.34	46.00	-15.66	AVG	

Test Model	OUT-DIC-HD2BL	Test Mode	Mode 1
Environmental Conditions	24.5℃, 55% RH	Test Engineer	Monkey Li
Pol	Neutral	Test Voltage	AC 120V/60Hz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz		dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	36.46	10.24	46.70	66.00	-19.30	QP	
2		0.1500	15.76	10.24	26.00	56.00	-30.00	AVG	
3		0.1758	34.71	10.23	44.94	64.68	-19.74	QP	
4		0.1758	20.94	10.23	31.17	54.68	-23.51	AVG	
5		0.8310	25.26	10.20	35.46	56.00	-20.54	QP	
6		0.8310	15.02	10.20	25.22	46.00	-20.78	AVG	
7		1.9725	25.29	10.20	35.49	56.00	-20.51	QP	
8		1.9725	15.36	10.20	25.56	46.00	-20.44	AVG	
9	*	4.9532	31.17	10.20	41.37	56.00	-14.63	QP	
10		4.9532	20.27	10.20	30.47	46.00	-15.53	AVG	
11		8.3105	31.54	10.20	41.74	60.00	-18.26	QP	
12		8.3105	21.69	10.20	31.89	50.00	-18.11	AVG	

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

Note: Measured = Reading Level + Correct Factor, Over = Measured - Limit

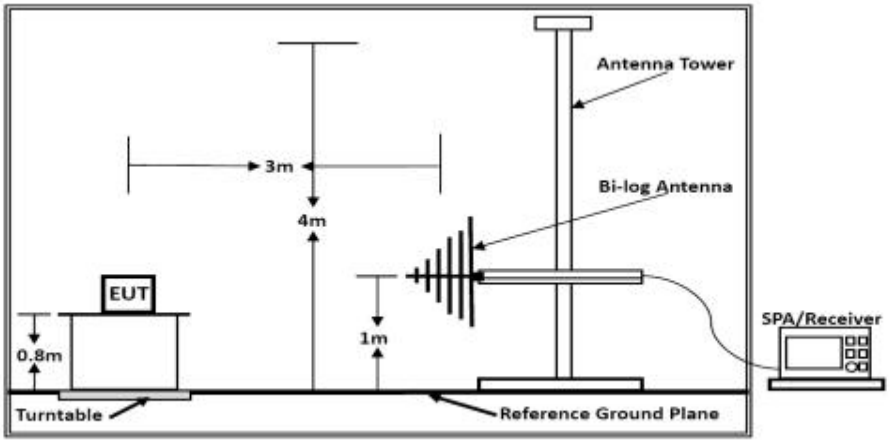
3.2. Radiated emission Measurement

3.2.1. Test Equipment

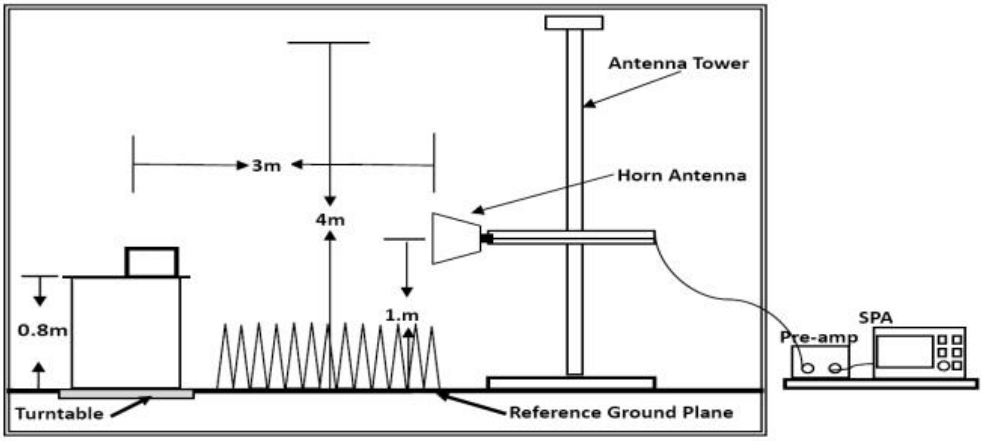
The following test equipments are used during the radiated emission measurement:

Item	Test equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2021-06-15	2024-06-15
2	EMI Test Receiver	R&S	ESCI3	101010	2021-06-08	2022-06-08
3	Spectrum Analyzer	Agilent	N9020A	MY49100699	2021-06-08	2022-06-08
4	Log-periodic Antenna	SCHWARZBECK	VULB9163	5094	2019-06-23	2022-06-23
5	Horn Antenna	ETS-LINDGREN	3115	00034771	2019-06-23	2022-06-23
6	EMI Test Software	EZ	EZ_EMC	N/A	/	/
7	Positioning Controller	MF	BK8807-4A-2T	2016-0808-008	/	/
8	EMI Test Software	AUDIX	E3	/	N/A	N/A

3.2.2. Block Diagram of Test Setup



Below 1GHz



Above 1GHz

3.2.3. Radiated Emission Limit (Class B)

Limits for Radiated Disturbance Below 1GHz

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		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)μV = 20 log Emission level μV/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 (MHz)	Distance (Meters)	Peak Limit (dBμV/m)	Average Limit (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

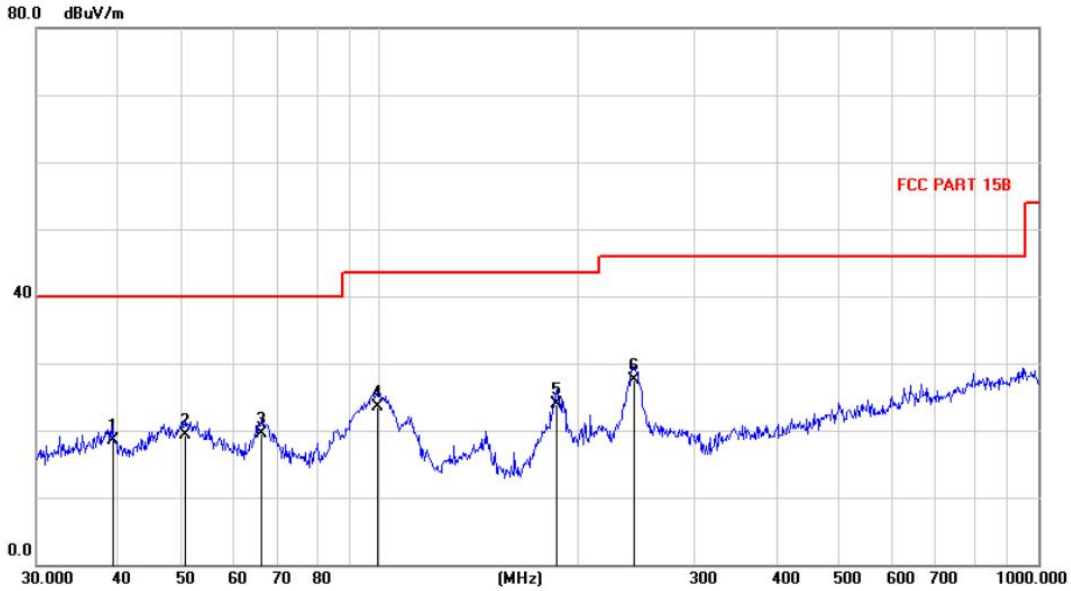
PASS.

The scanning waveforms please refer to the next page.

Test Model	OUT-DIC-HD2BL	Test Mode	Mode 1
Environmental Conditions	23.3℃, 52% RH	Detector Function	Quasi-peak
Pol	Vertical	Distance	3m
Test Engineer	Monkey Li	Test Voltage	AC 120V/60Hz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		38.3799	19.62	11.18	30.80	40.00	-9.20	QP			
2		65.9763	21.82	11.88	33.70	40.00	-6.30	QP			
3	*	97.1148	27.33	10.37	37.70	43.50	-5.80	QP			
4		145.0959	16.67	11.53	28.20	43.50	-15.30	QP			
5		189.1572	11.88	10.12	22.00	43.50	-21.50	QP			
6		415.6322	6.36	15.84	22.20	46.00	-23.80	QP			

Test Model	OUT-DIC-HD2BL	Test Mode	Mode 1
Environmental Conditions	23.3℃, 52% RH	Detector Function	Quasi-peak
Pol	Horizontal	Distance	3m
Test Engineer	Monkey Li	Test Voltage	AC 120V/60Hz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		39.2647	5.30	13.30	18.60	40.00	-21.40	QP			
2		50.6082	5.04	14.36	19.40	40.00	-20.60	QP			
3		66.0632	8.30	11.30	19.60	40.00	-20.40	QP			
4		99.0494	12.29	11.31	23.60	43.50	-19.90	QP			
5		185.3003	13.00	11.00	24.00	43.50	-19.50	QP			
6	*	243.5906	14.90	12.60	27.50	46.00	-18.50	QP			

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

Note: Measured = Reading Level + Correct Factor, Margin = Measured - Limit

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----------