TEST REPORT

Reference No......	:	WTX20X12097988W
FCC ID	:	2AUHG-ORA5L
Applicant.....	:	ARTIKA FOR LIVING INC
Address.....	:	1756, 50th Avenue Montréal (Lachine), Québec, Canada
Product Name	:	5-Pendant Led Light Fixture
Test Model.....	:	ORA5L-C1
Standards.....	:	**FCC PART15 SUBPART B**
Date of Receipt sample....	:	Dec.16, 2020
Date of Test	:	Dec.16, 2020 to Dec.22, 2020
Date of Issue	:	Dec.22, 2020
Test Result	:	**Pass**

Remarks:
The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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Tested by:	Reviewed By:	Approved & Authorized By:
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Jack Huang / Project Engineer	Evan Cai /EMC Manager	Silin Chen / Manager

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Report version

Version No.	Date of issue	Description
Rev.00	Dec.22, 2020	Original
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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant:	ARTIKA FOR LIVING INC
Address of applicant:	1756, 50th Avenue Montréal (Lachine), Québec, Canada
Manufacturer:	Ruee Appliances Co.,Ltd
Address of manufacturer:	NO.100 JinTong Road TangXia Town Pengjiang Section Jiangmen City G.D CHINA

General Description of EUT	
Product Name:	5-Pendant Led Light Fixture
Trade Name:	Artika
Model No.:	ORA5L-C1
Adding Model(s):	ORA5L-XXXXXX
Note: The test data is gathered from a production sample, provided by the manufacturer. The appearance of others models listed in the report is different from main-test model ORA5L-C1, but the circuit and the electronic construction do not change, declared by the manufacturer.	

Technical Characteristics of EUT	
Rated Voltage:	AC120V/ 60Hz
Rated Current:	/
Rated Power:	/
Power Adapter Model:	/
Lowest Internal Frequency:	/
Highest Internal Frequency:	Above 108MHz
Classification of ITE:	Class B

1.2 Test Standards

The tests were performed according to following standards:

FCC Rules Part 15 Subpart B: Unintentional Radiators.

ANSI C63.4-2014: American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

1.4 Test Facility

Address of the test laboratory
Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.
Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

FCC – Registration No.: 125990
Waltek Testing Group (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A
The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

1.5 EUT Setup and Operation Mode

The equipment under test (EUT) was configured to measure its highest possible emission. The test modes were adapted according to the operation manual for use, more detailed description as follows:

Test Mode List:

Test Mode	Description	Remark	Power Supply Mode
TM1	Normal Working	Connect AC plug;	AC120V 60Hz for AC plug

EUT Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
/	/	/	/

Auxiliary Equipment List and Details

Description	Manufacturer	Model	Serial Number
/	/	/	/

Special Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
AC Cable	1.0	Unshielded	Without Ferrite

1.6 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
Conducted Emissions	Conducted	9-150kHz ±3.74dB
		0.15-30MHz ±3.34dB
Radiated Emissions	Radiated	30-200MHz ±4.52dB
		0.2-1GHz ±5.56dB
		1-6GHz ±3.84dB
		6-18GHz ±3.92dB

1.7 Test Equipment List and Details

Description	Manufacturer	Model	Serial No.	Cal Date	Due Date
Spectrum Analyzer	Agilent	E4407B	MY41440400	2020-04-28	2021-04-27
Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2020-04-28	2021-04-27
EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2020-04-28	2021-04-27
Amplifier	Agilent	8447F	3113A06717	2020-04-28	2021-04-27
Amplifier	C&D	PAP-1G18	2002	2020-04-28	2021-04-27
Broadband Antenna	Schwarz beck	VULB9163	9163-333	2019-05-05	2021-05-04
Horn Antenna	ETS	3117	00086197	2019-05-05	2021-05-04
Loop Antenna	Schwarz beck	FMZB 1516	9773	2019-05-05	2021-05-04
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2020-04-28	2021-04-27
L.I.S.N	Schwarz beck	NSLK8126	8126-224	2020-04-28	2021-04-27
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2020-04-28	2021-04-27

Software List			
Description	**Manufacturer**	**Model**	**Version**
EMI Test Software (Radiated Emission)*	Farad	EZ-EMC	RA-03A1
EMI Test Software (Conducted Emission)*	Farad	EZ-EMC	RA-03A1

*Remark: indicates software version used in the compliance certification testing

2. SUMMARY OF TEST RESULTS

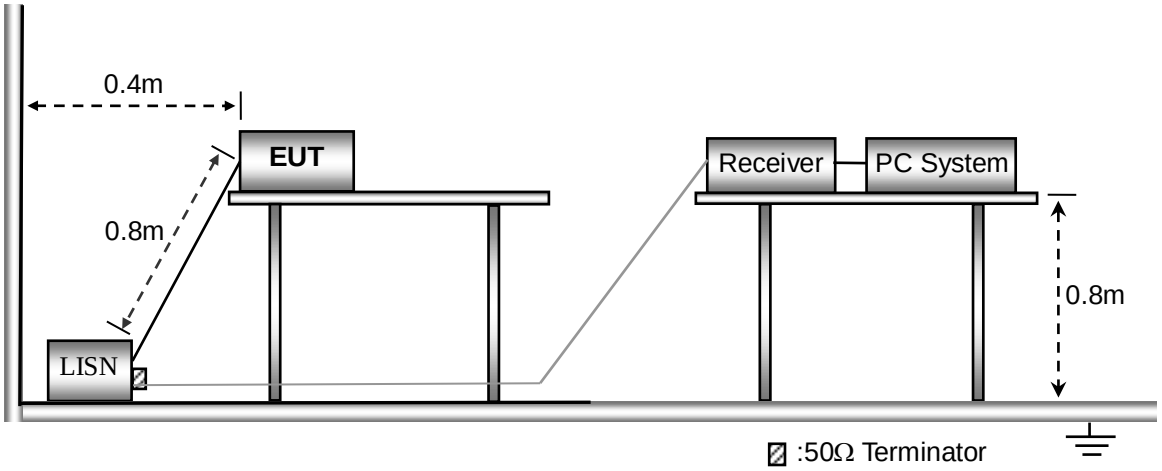
Description of Test	Result
§15.107(a) Conducted Emission	Compliant
§15.109(a) Radiated Emission	Compliant

3. Conducted Emissions

3.1 Test Procedure

Test is conducting under the description of ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

3.2 Basic Test Setup Block Diagram



3.3 Environmental Conditions

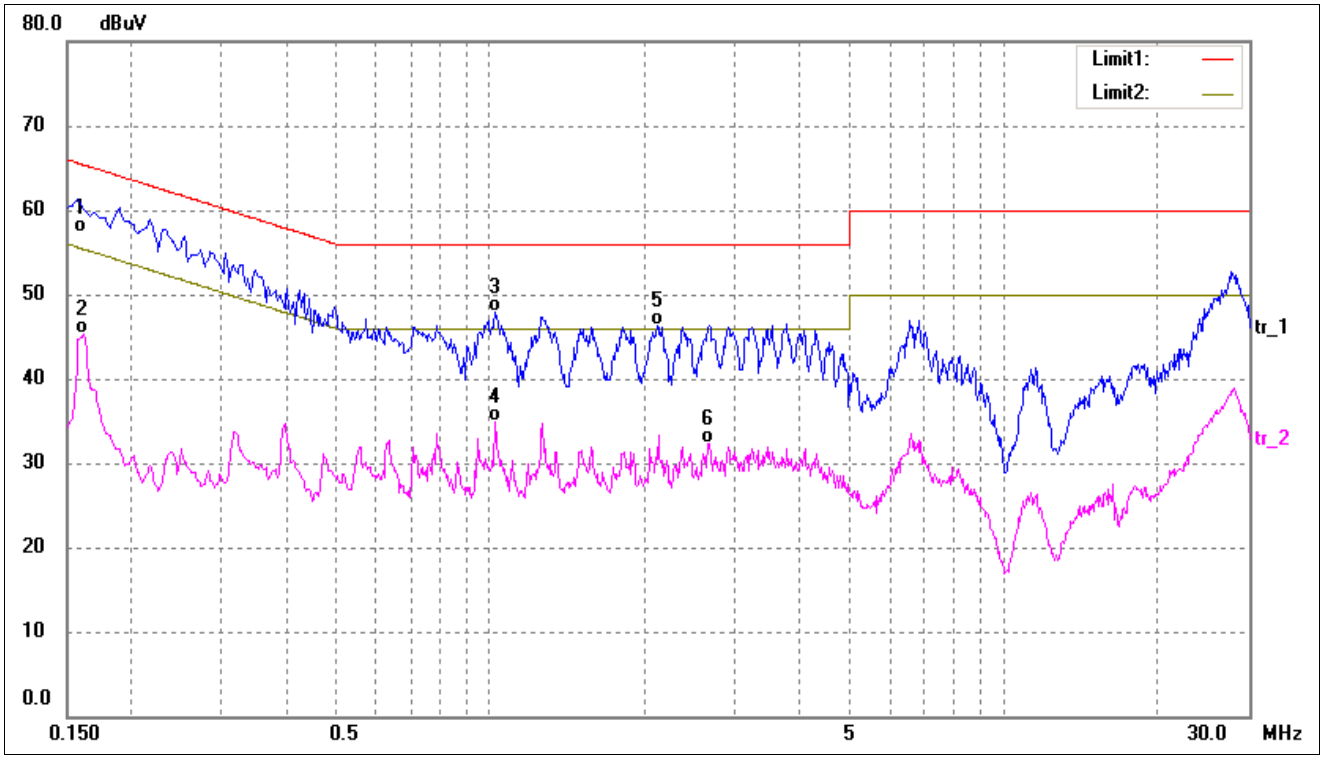
Temperature:	22.5 °C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

3.4 Summary of Test Results

Look at the graphs and data below：

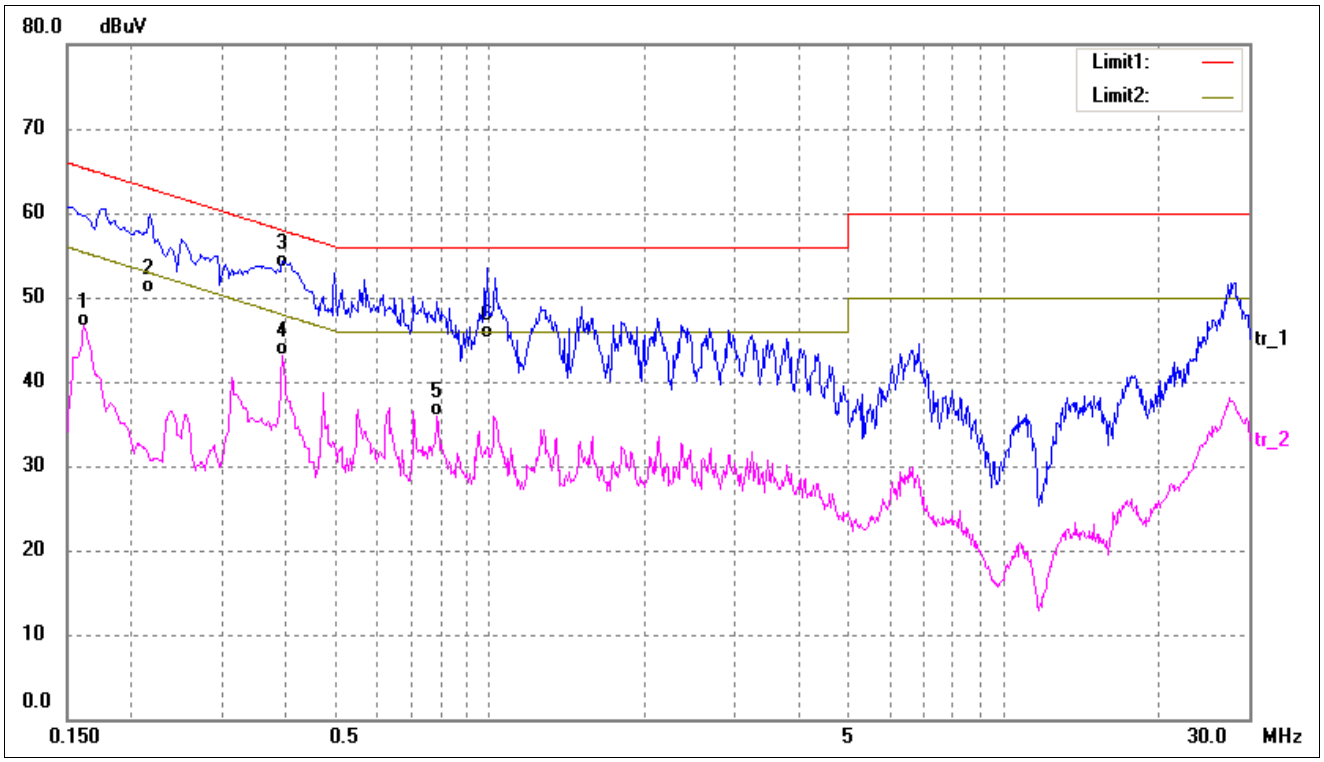
3.5 Conducted Emissions Test Data

Test mode:	TM1	Polarity:	Line



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1580	46.97	10.25	57.22	65.56	-8.34	QP
2	0.1620	35.10	10.26	45.36	55.36	-10.00	AVG
3*	1.0260	37.66	10.20	47.86	56.00	-8.14	QP
4	1.0260	24.72	10.20	34.92	46.00	-11.08	AVG
5	2.1140	35.97	10.29	46.26	56.00	-9.74	QP
6	2.6619	22.09	10.28	32.37	46.00	-13.63	AVG

Test mode:	TM1	Polarity:	Neutral



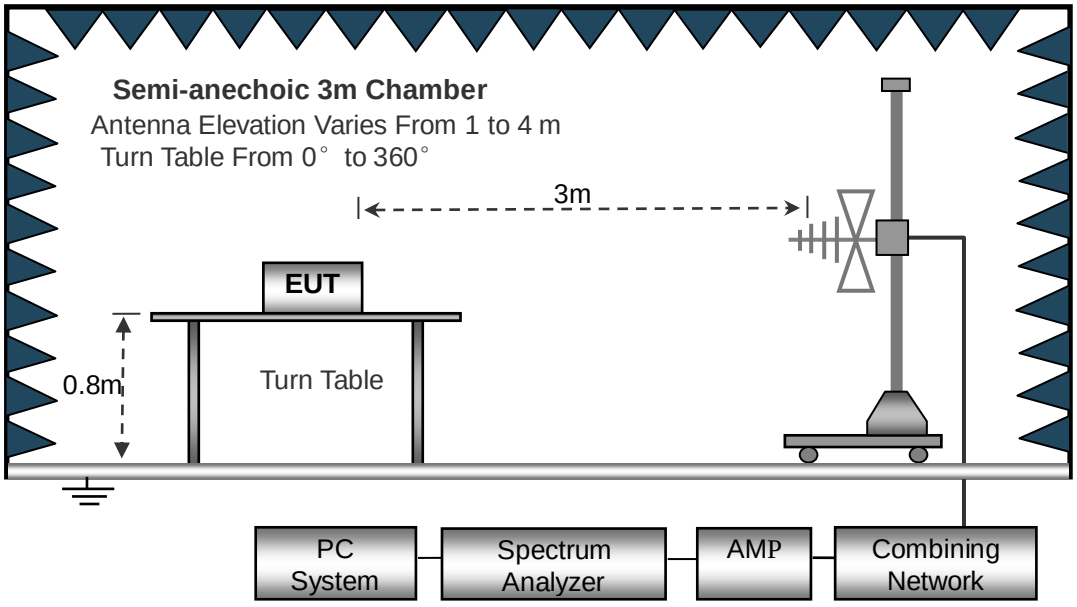
No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1620	36.34	10.26	46.60	55.36	-8.76	AVG
2	0.2180	40.32	10.26	50.58	62.89	-12.31	QP
3*	0.3940	43.21	10.23	53.44	57.98	-4.54	QP
4	0.3940	32.81	10.23	43.04	47.98	-4.94	AVG
5	0.7900	25.80	10.18	35.98	46.00	-10.02	AVG
6	0.9860	34.93	10.20	45.13	56.00	-10.87	QP

4. RADIATED EMISSION

4.1 Test Procedure

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15.109 Limit.
The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.
The spacing between the peripherals was 10 cm.

4.2 Block Diagram of Test Setup



4.3 Test Receiver Setup

Frequency :9kHz-30MHz	Frequency :30MHz-1GHz	Frequency :Above 1GHz
RBW=10KHz,	RBW=120KHz,	RBW=1MHz,
VBW =30KHz	VBW=300KHz	VBW=3MHz(Peak), 10Hz(AV)
Sweep time= Auto	Sweep time= Auto	Sweep time= Auto
Trace = max hold	Trace = max hold	Trace = max hold
Detector function = peak	Detector function = peak, QP	Detector function = peak, AV

4.4 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Correct
Correct=Ant.Factor + Cable Loss - Ampl.Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dBμV means the emission is 6dBμV below the maximum limit for a Class B device. The equation for margin calculation is as follows:

Margin = Corr. Ampl. – FCC Part 15.109(a) Limit

4.5 Environmental Conditions

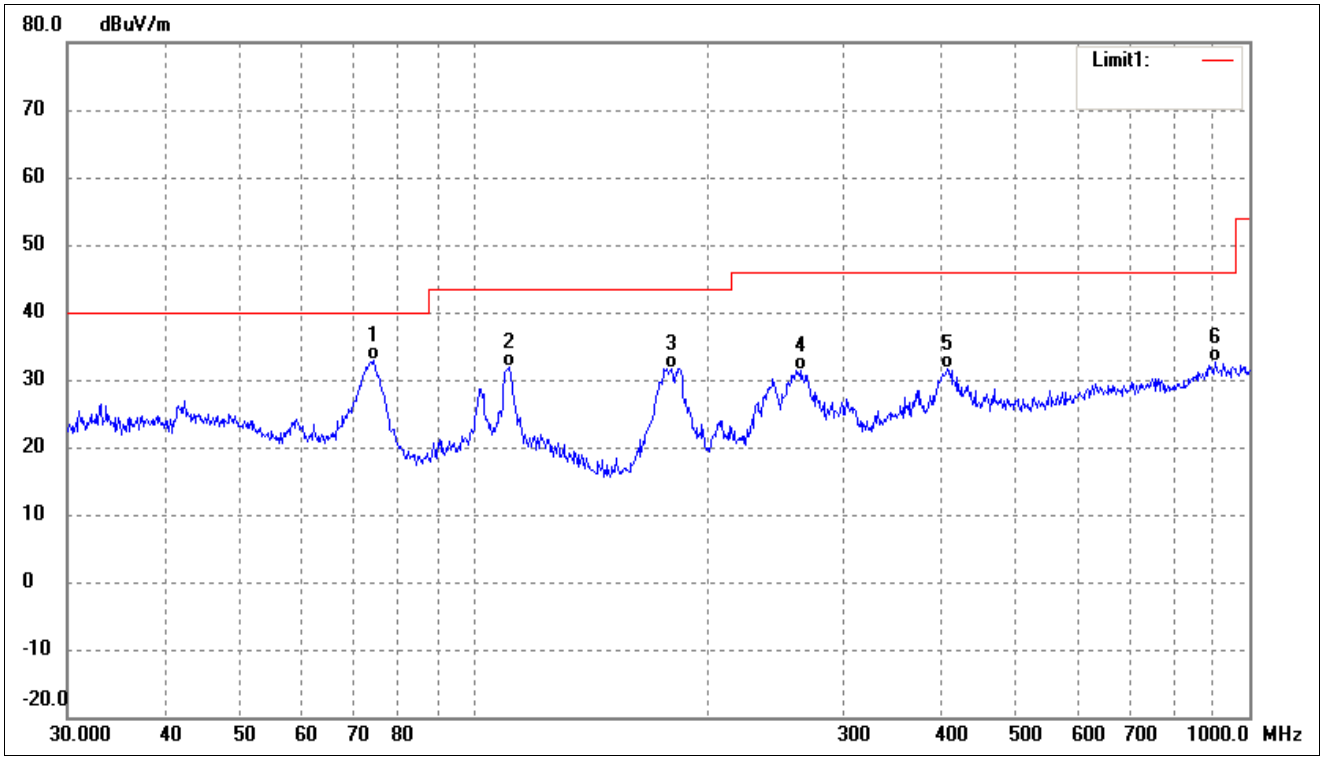
Temperature:	22.5 °C
Relative Humidity:	54 %
ATM Pressure:	1011 mbar

4.6 Summary of Test Results

Look at the graphs and data below:

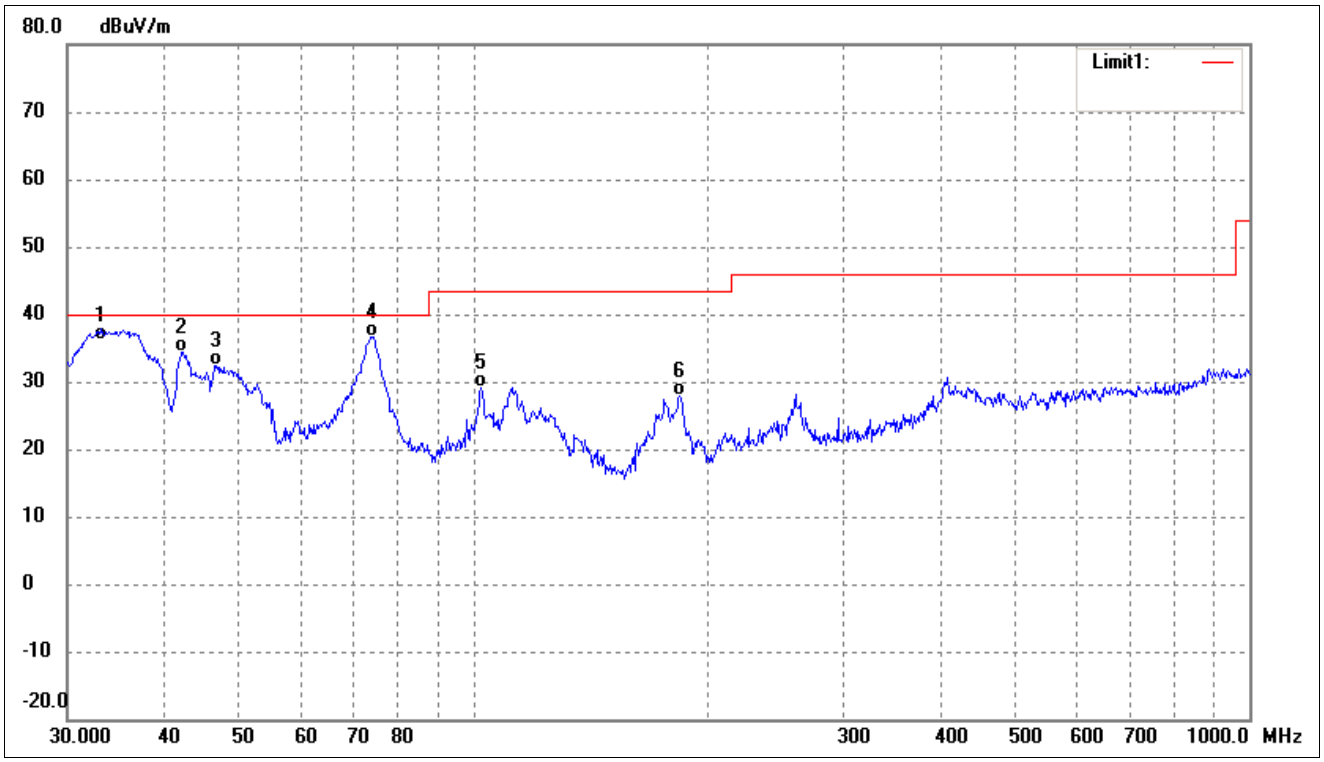
➢ Below 1GHz

Test mode:	TM1	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	74.3955	48.78	-15.87	32.91	40.00	-7.09	-	-	QP
2	111.3468	45.41	-13.45	31.96	43.50	-11.54	-	-	QP
3	180.0165	46.06	-14.31	31.75	43.50	-11.75	-	-	QP
4	263.8190	42.25	-10.83	31.42	46.00	-14.58	-	-	QP
5	408.9460	37.86	-6.26	31.60	46.00	-14.40	-	-	QP
6	903.3094	31.12	1.60	32.72	46.00	-13.28	-	-	QP

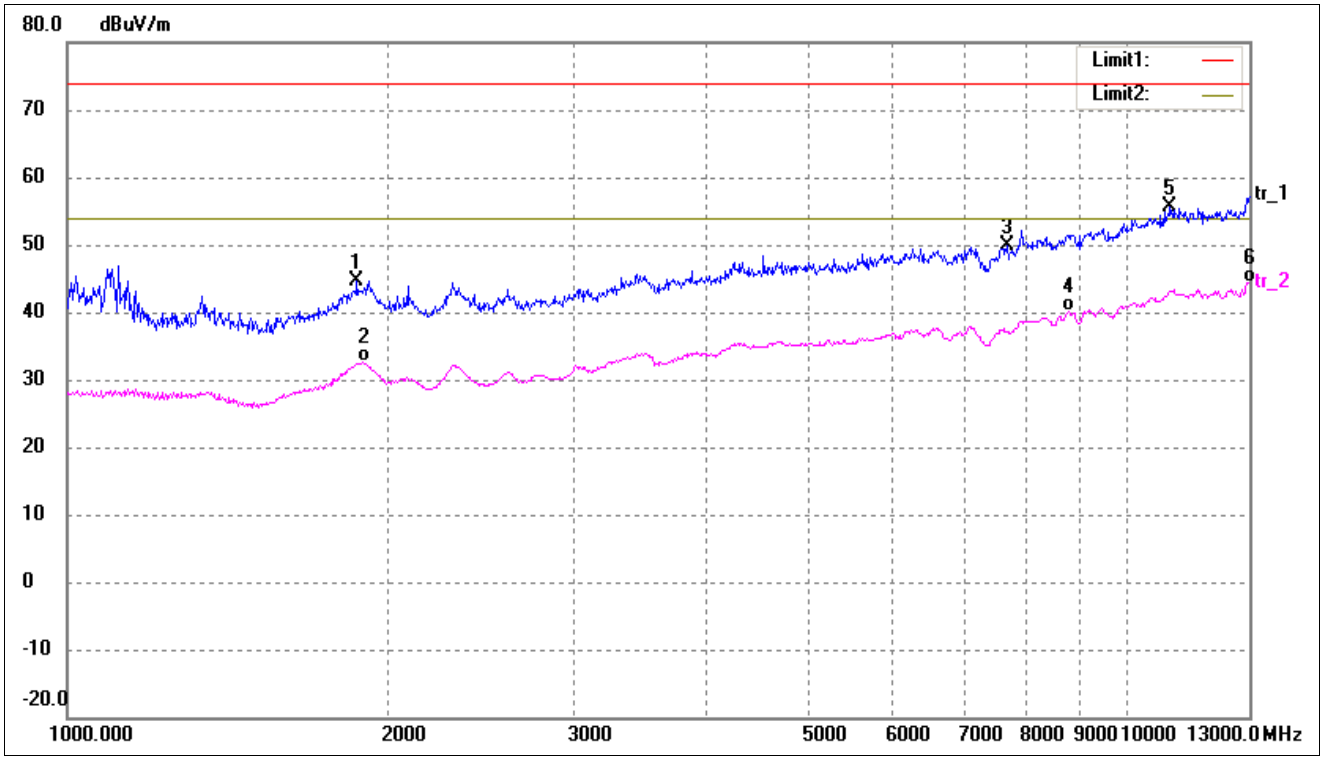
Test mode:	TM1	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	33.0950	50.10	-13.98	36.12	40.00	-3.88	-	-	QP
2	42.1542	46.37	-11.90	34.47	40.00	-5.53	-	-	QP
3	46.6664	44.20	-11.71	32.49	40.00	-7.51	-	-	QP
4	74.1351	52.52	-15.79	36.73	40.00	-3.27	-	-	QP
5	102.3597	42.56	-13.31	29.25	43.50	-14.25	-	-	QP
6	184.4898	41.78	-13.78	28.00	43.50	-15.50	-	-	QP

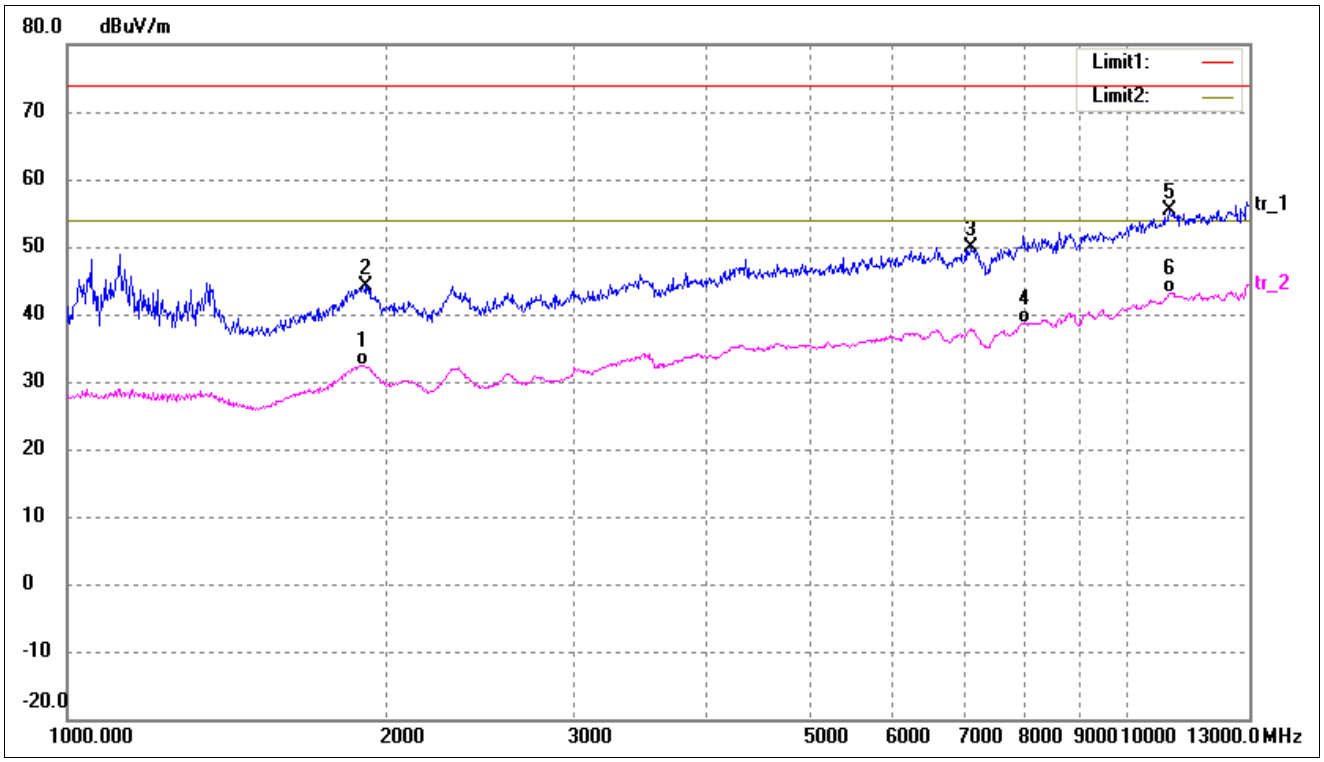
➢ Above 1GHz

Test mode:	TM1	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	1874.632	53.34	-8.77	44.57	74.00	-29.43	-	-	peak
2	1898.829	41.21	-8.56	32.65	54.00	-21.35	-	-	AVG
3	7683.958	51.46	-1.52	49.94	74.00	-24.06	-	-	peak
4	8780.313	39.75	0.36	40.11	54.00	-13.89	-	-	AVG
5	10947.354	50.77	4.86	55.63	74.00	-18.37	-	-	peak
6	12966.698	37.71	6.70	44.41	54.00	-9.59	-	-	AVG

Test mode:	TM1	Polarity:	Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	1893.965	41.05	-8.61	32.44	54.00	-21.56	-	-	AVG
2	1913.496	52.91	-8.79	44.12	74.00	-29.88	-	-	peak
3	7114.865	52.14	-2.23	49.91	74.00	-24.09	-	-	peak
4	7985.353	39.24	-0.57	38.67	54.00	-15.33	-	-	AVG
5	10919.310	50.52	4.78	55.30	74.00	-18.70	-	-	peak
6	10919.310	38.45	4.78	43.23	54.00	-10.77	-	-	AVG

Remark: '-'Means' the test Degree and Height are not recorded by the test software and only show the worst case in the test report.

APPENDIX PHOTOGRAPHS

Please refer to "ANNEX"

******* END OF REPORT *******