



FCC Test Report



Page: 1 / 18

Report No.: DNT2408300260E1348-01936
Applicant Name: Collection Design Tel Aviv
Address: Hadkalim 8,4881000 KFAR KASEM,ISRAEL
The samples and sample information for the following tests are provided and confirmed by the applicant.
Product Description: LED light
Brand Name: STYLISTIC
Tested Model: Lamp L
Electrical Rating: DC 5V
Received Date: 2024-09-03
Tested Date: 2024-09-03 ~ 2024-09-06
Issued Date: 2024-09-24
Test Standards: FCC Part 15 Subpart B:2023
ANSI C63.4:2014
Test Result: PASS

Prepared By: Les lu (Test Engineer)

Reviewed By: mark wu (Project Engineer)

Approved By: Heise Shen (Manager)

Note: If there is any objection to the results in this report, please submit a written inquiry to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp, and is issued by the company in accordance with the requirements of the "Conditions of Issuance of Test Reports" printed in the attached page. Unless otherwise stated, the results presented in this report only apply to the samples tested this time. Partial reproduction of this report is not allowed unless approved by the company in writing.



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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V2.0	/	2024-09-24	Original Report	/



TABLE OF CONTENTS

1. GENERAL INFORMATION	4
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	4
1.2 EUT OPERATION MODE AND TEST DETAILS	4
1.3 MEASUREMENT UNCERTAINTY	5
1.4 TEST FACILITY	5
1.5 TEST EQUIPMENT LIST AND DETAILS	5
2. SUMMARY OF TEST RESULTS	6
3. GENERAL REMARKS	7
3.1 COMPLEMENTARY MATERIALS	7
3.2 RESULT LEVEL & OVER LIMIT CALCULATION	7
4. CONDUCTED EMISSIONS	8
4.1 CONDUCTED EMISSION LIMIT	8
4.2 BLOCK DIAGRAM OF TEST SETUP	8
4.3 TEST PROCEDURE	8
4.4 ENVIRONMENTAL CONDITIONS	8
4.5 TEST DATA AND RESULT	9
5. RADIATED EMISSIONS	11
5.1 RADIATED EMISSION LIMIT	11
5.2 BLOCK DIAGRAM OF TEST SETUP	12
5.3 TEST PROCEDURE	13
5.4 ENVIRONMENTAL CONDITIONS	13
5.5 TEST DATA AND RESULT	14
EXHIBIT A – PHOTOGRAPHS OF TEST SETUP	16
EXHIBIT B – PHOTO GRAPHS OF EUT	17



1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information	
Applicant:	Collection Design Tel Aviv
Address of applicant:	Hadkalim 8,4881000 KFAR KASEM,ISRAEL
Manufacturer:	Nowgo International Co.,Ltd
Address of manufacturer:	1903, Building 2, Manjinghua Science and Technology Innovation Workshop, No.6 Songjiang Road, Shapu Community, Songgang Street, Baoan District, Shenzhen

General Description of EUT	
Product Name:	LED light
Model No.:	Lamp L
Additional Model(s):	/
Difference description:	/
Rated Voltage:	DC 5V
Protection:	/
Adapter Information:	/
Highest Internal Frequency:	Below 108MHz

1.2 EUT Operation Mode and test details

Test Mode List		
Test Mode	Description	Remark
1	Normal working	N/A
2	Charging	N/A

Remark: Prescan all test mode, and performed the final measure on the mode of maximum emission and recorded the test data.

“ * ” means it's the worst mode.

Special Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
/	/	/	/



1.3 Measurement Uncertainty

Parameter	Frequency	Measurement uncertainty
Radiated Emission	30MHz-1000MHz	U= 5.0dB K=2
Radiated Emission	Above 1000MHz	U= 5.4dB K=2
Conducted Emission	150kHz~30MHz	U= 2.7dB K=2

1.4 Test Facility

Test Site	Dongguan DN Testing Co., Ltd.
Test Location	No. 1, West Fourth Street, South Xinfu Road, Wusha Liwu, Chang 'an Town, Dongguan City, Guangdong P.R.China

1.5 Test Equipment List and Details

Test Equipment for Conducted Emission					
Description	Manufacturer	Model	Serial Number	Cal Date	Due Date
Receiver	R&S	ESCI3	101152	2023-10-31	2024-10-30
LISN	R&S	ENV216	102874	2023-10-31	2024-10-30
ISN	R&S	ENY81-CA6	0295	2023-10-31	2024-10-30
Test Equipment for Radiated Emission					
Description	Manufacturer	Model	Serial Number	Cal Date	Due Date
Receiver	R&S	ESR7	102497	2023-10-31	2024-10-30
RF Cable	ETS-LINDGR EN	RFC-NMS-100- NMS-350-IN	/	2023-10-31	2024-10-30
Log periodic antenna	ETS-LINDGR EN	VULB 9168	01475	2023-10-31	2024-10-30
Horn Antenna	ETS-LINDGR EN	3117	00252566	2023-10-31	2024-10-30
Preamplifier	Schwarzbeck	BBV9743B	00423	2023-10-31	2024-10-30
Preamplifier	ETS-LINDGR EN	3117-PA	00252566	2023-10-31	2024-10-30
Preamplifier	ETS-LINDGR EN	3116C-PA	00251779	2023-10-31	2024-10-30



2. SUMMARY OF TEST RESULTS

Test Standards	Description of Test Item	Result
FCC Part 15 Subpart B	Conducted Emissions	PASS
FCC Part 15 Subpart B	Radiated Emissions	PASS

*Note1: N/A means not applicable.



3. GENERAL REMARKS

When applying the basic standard in this test report, the latest amendment is always included.

3.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test Result

3.2 Result Level & Over Limit Calculation

The Measurement (Result Level) is calculated by Reading Level adding the Correct Factor(maybe including LISN Factor and the Cable Factor etc.), The basic equation is as follows:

Measurement Level= Reading Level + Correct Factor(including LISN Factor ,Cable Factor etc.)

The “Over Limit” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a “Over Limit” of -6dB means the emission is 6dB below the maximum limit for device. The equation for “over limit” calculation is as follows:

Over Limit = Measurement Level –Limit

e.g.: Freq.=0.56MHz, Reading Level=19dBuV, Correct Factor=10.2dB, Limit=56dBuV

Measurement Level=Reading Level + Correct Factor=19dBuV+10.2dB=29.2dBuV

Over Limit(Margin)=Measurement Level –Limit=29.2dBuV-56dBuV=-26.8dB

Notes:

For the test results, the EUT had been tested with all conditions. But only the worst case was showed in test report.



4. Conducted Emissions

4.1 Conducted Emission Limit

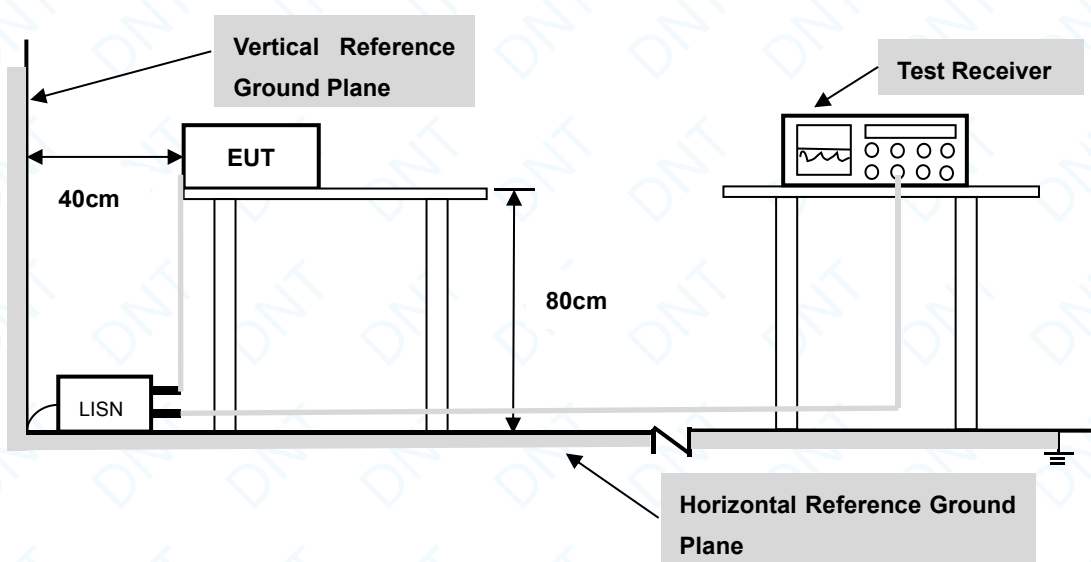
Limits of Class B digital devices

Frequency Range	Quasi Peak(dB μ V)	Average(dB μ V)
0.15-0.5	66-56	56-46
0.5-5	56	46
5-30	60	50

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.

4.2 Block Diagram of Test Setup



4.3 Test Procedure

During the conducted emissions test, the adapter was connected to the main outlet of the first LISN and the other support equipments were connected to the outlet of the second LISN.

Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.

All data was recorded in the Quasi-peak and average detection mode.

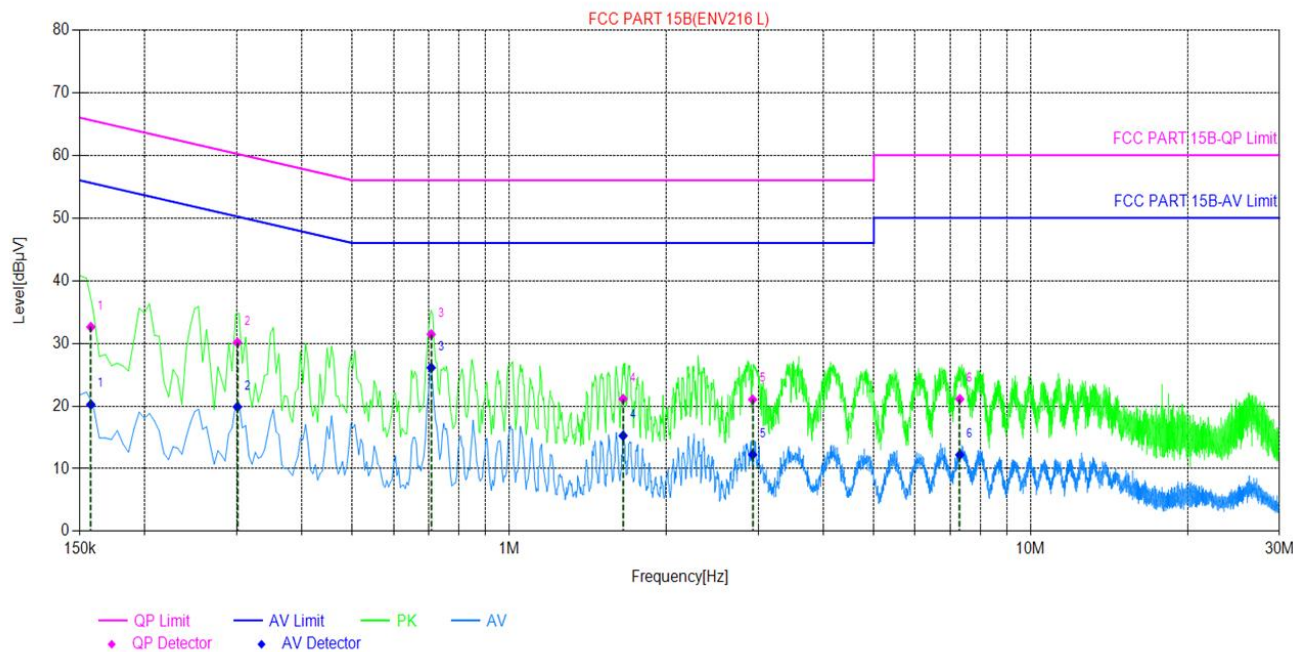
4.4 Environmental Conditions

Temperature:	25°C
Relative Humidity:	60%
Atmospheric Pressure:	101.3 kPa
Test Voltage:	DC 5V from adapter by AC 120V/60Hz
Test Mode:	2
Test Date:	2024-09-04
Tested By:	Eric Huang



4.5 Test Data and Result

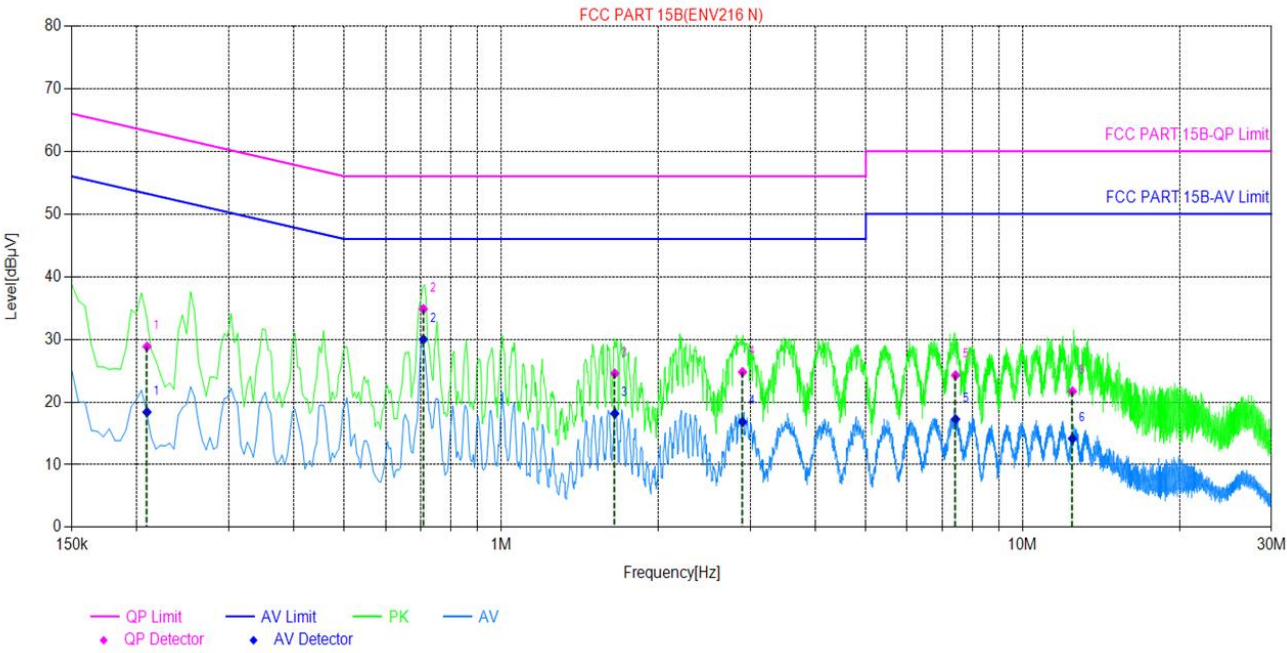
L1:



Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.1575	9.90	32.61	65.59	32.98	20.24	55.59	35.35	PASS
2	0.3009	9.89	30.12	60.22	30.10	19.86	50.22	30.36	PASS
3	0.7081	9.76	31.44	56.00	24.56	26.11	46.00	19.89	PASS
4	1.6526	9.73	21.13	56.00	34.87	15.26	46.00	30.74	PASS
5	2.9285	9.74	21.03	56.00	34.97	12.25	46.00	33.75	PASS
6	7.3127	9.86	21.11	60.00	38.89	12.21	50.00	37.79	PASS



N:



Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.2091	9.86	28.84	63.24	34.40	18.39	53.24	34.85	PASS
2	0.7086	9.85	34.83	56.00	21.17	30.00	46.00	16.00	PASS
3	1.6502	9.74	24.54	56.00	31.46	18.16	46.00	27.84	PASS
4	2.9015	9.86	24.77	56.00	31.23	16.82	46.00	29.18	PASS
5	7.4354	9.97	24.26	60.00	35.74	17.25	50.00	32.75	PASS
6	12.4586	9.86	21.70	60.00	38.30	14.16	50.00	35.84	PASS



5. Radiated Emissions

5.1 Radiated Emission Limit

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper Frequency of Radiated Measurement
Below 1.705 MHz	30MHz
1.705 MHz – 108 MHz	1 GHz
108 MHz – 500 MHz	2 GHz
500 MHz – 1 GHz	5 GHz
Above 1 GHz	5th harmonic of the highest frequency or 40 GHz, whichever is lower.
At transitional frequencies the lower limit applies.	

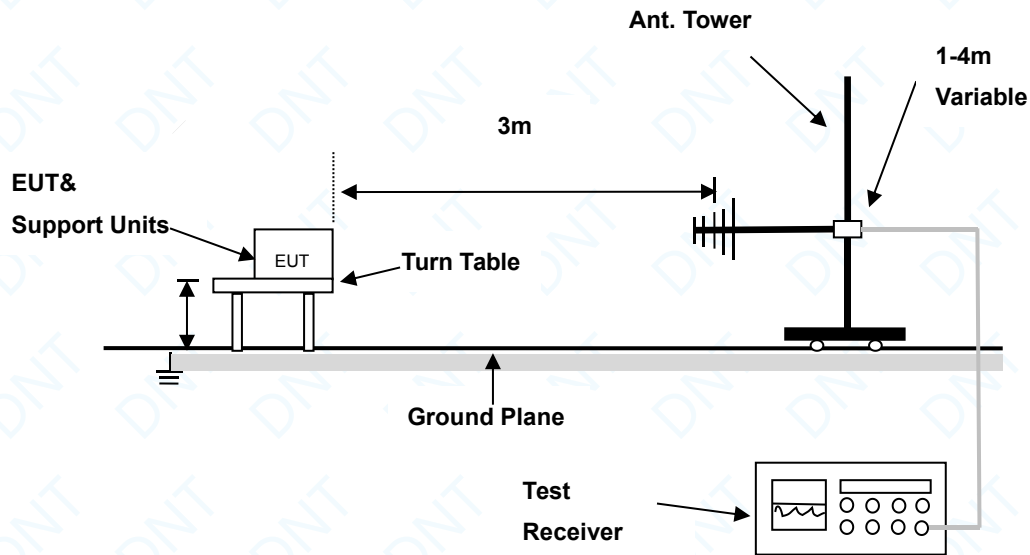
Limits for Class B digital device at 3m test distance

Frequency range (MHz)	Measurement		Class B limits dB(μV/m)
	Distance (m)	Detector type/bandwidth	
30 to 88	3	Quasi Peak/120kHz	40
88 to 216			43.5
216 to 960			46
960 to 1000			54
Frequency range (MHz)	Measurement		Class B limits dB(μV/m)
	Distance (m)	Detector type/bandwidth	
Above 1000	3	Average/1MHz	54
	3	Peak/1MHz	74

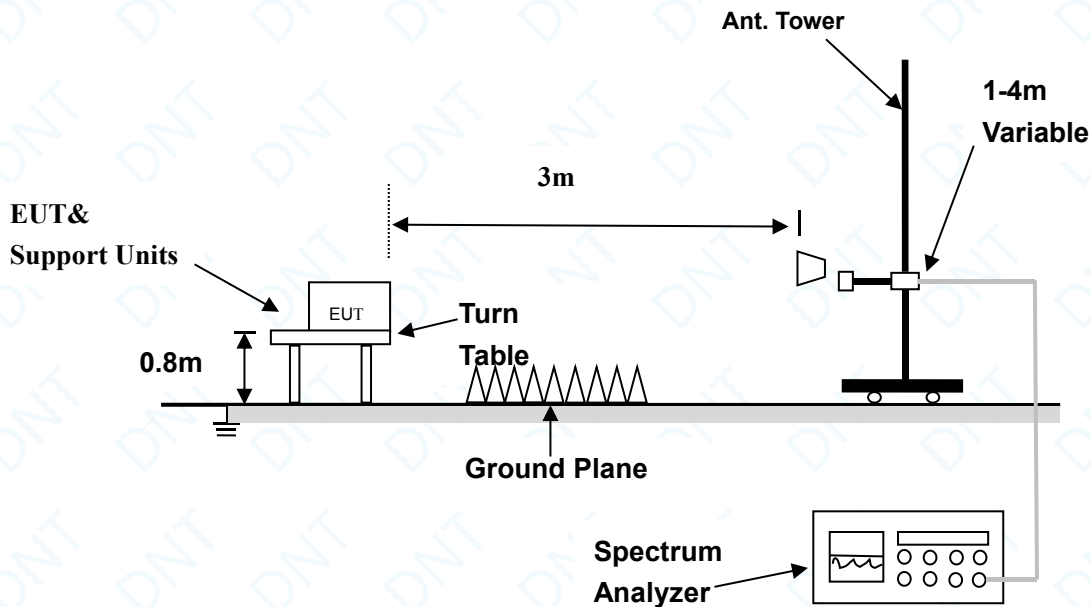


5.2 Block Diagram of Test Setup

Radiated Emissions Frequency: 30MHz to 1000MHz:



Radiated Emissions Frequency: above 1GHz





5.3 Test Procedure

- (1) The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual.
- (2) Support equipment, if needed, was placed as per ANSI C63.4. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- (3) The EUT is placed on a turntable, which is 0.8 meter high above the ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- (4) Recorded at least the six highest emissions.

5.4 Environmental Conditions

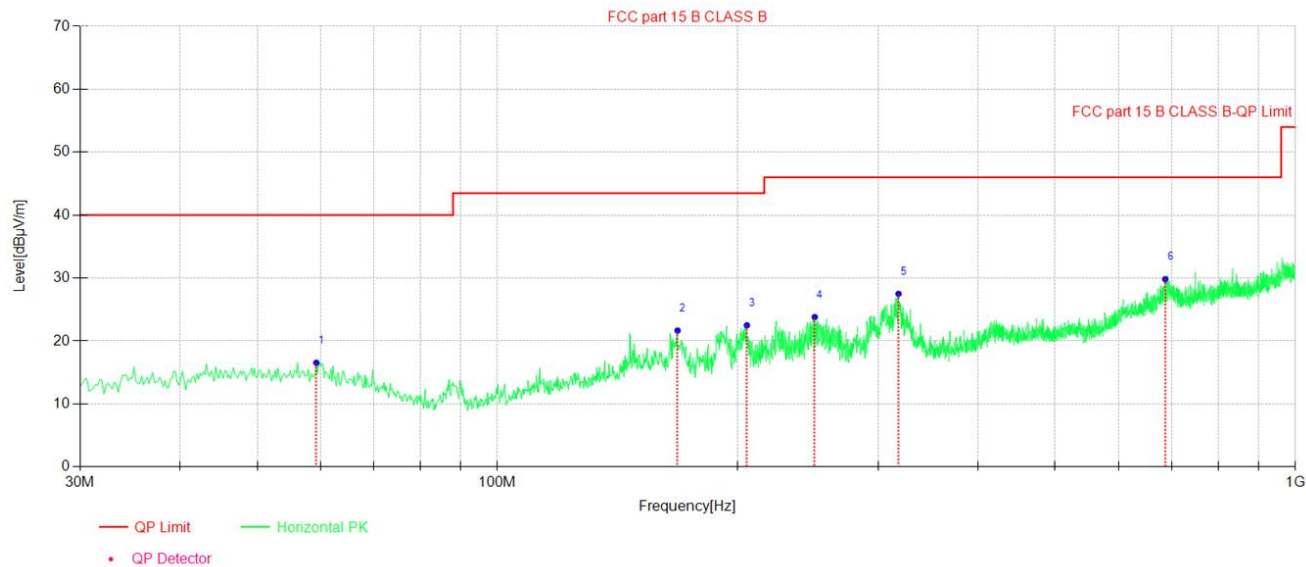
Temperature:	25°C
Relative Humidity:	60%
Atmospheric Pressure:	101.3 KPa
Test Voltage:	DC 5V from adapter by AC 120V/60Hz
Test Mode:	2
Test Date:	2024-09-04
Tested By:	Leo Lu



5.5 Test Data and Result

Below 1GHz

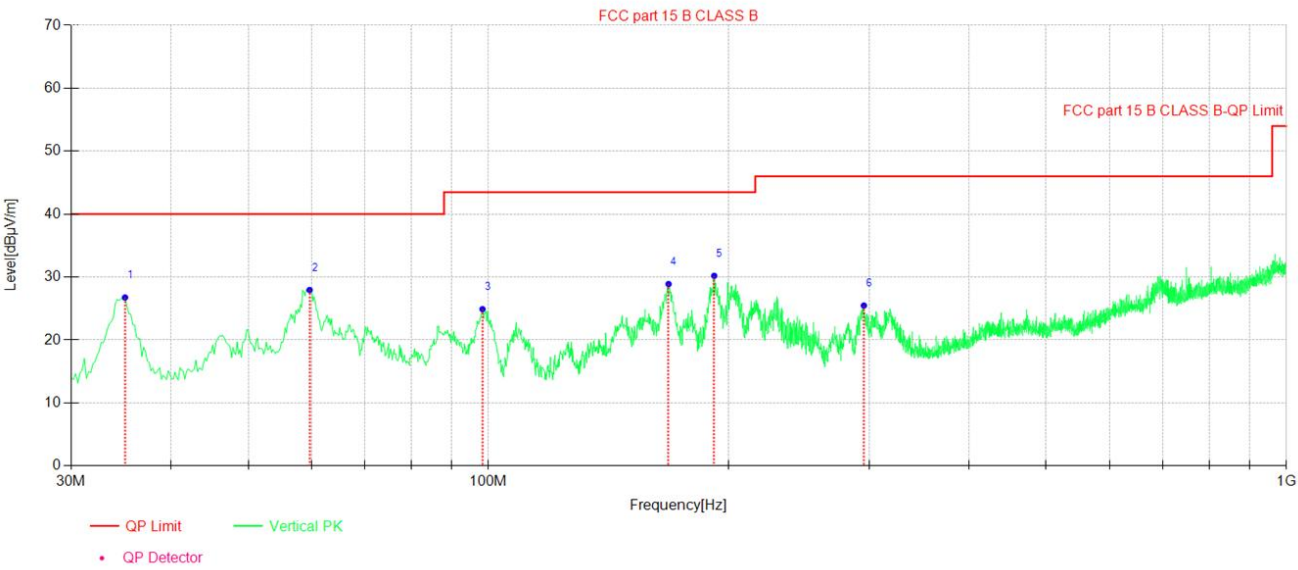
Horizontal:



Suspected Data List										
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	59.299	16.54	-8.69	40.00	23.46	100	167	PK	Horizontal	PASS
2	168.15	21.67	-8.16	43.50	21.83	100	206	PK	Horizontal	PASS
3	205.41	22.50	-11.03	43.50	21.00	100	229	PK	Horizontal	PASS
4	249.84	23.81	-8.94	46.00	22.19	100	9	PK	Horizontal	PASS
5	318.14	27.50	-6.37	46.00	18.50	100	15	PK	Horizontal	PASS
6	686.82	29.83	2.15	46.00	16.17	100	288	PK	Horizontal	PASS



Vertical:



Suspected Data List										
NO.	Freq. [MHz]	Level [dBμV/m]	Factor[dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	35.045	26.76	-9.34	40.00	13.24	100	20	PK	Vertical	PASS
2	59.687	27.95	-8.73	40.00	12.05	100	277	PK	Vertical	PASS
3	98.301	24.91	-12.88	43.50	18.59	100	226	PK	Vertical	PASS
4	168.15	28.89	-8.16	43.50	14.61	100	175	PK	Vertical	PASS
5	191.82	30.21	-10.68	43.50	13.29	100	2	PK	Vertical	PASS
6	295.44	25.48	-7.11	46.00	20.52	100	41	PK	Vertical	PASS



EXHIBIT A – PHOTOGRAPHS OF TEST SETUP

Conducted Emission Test View

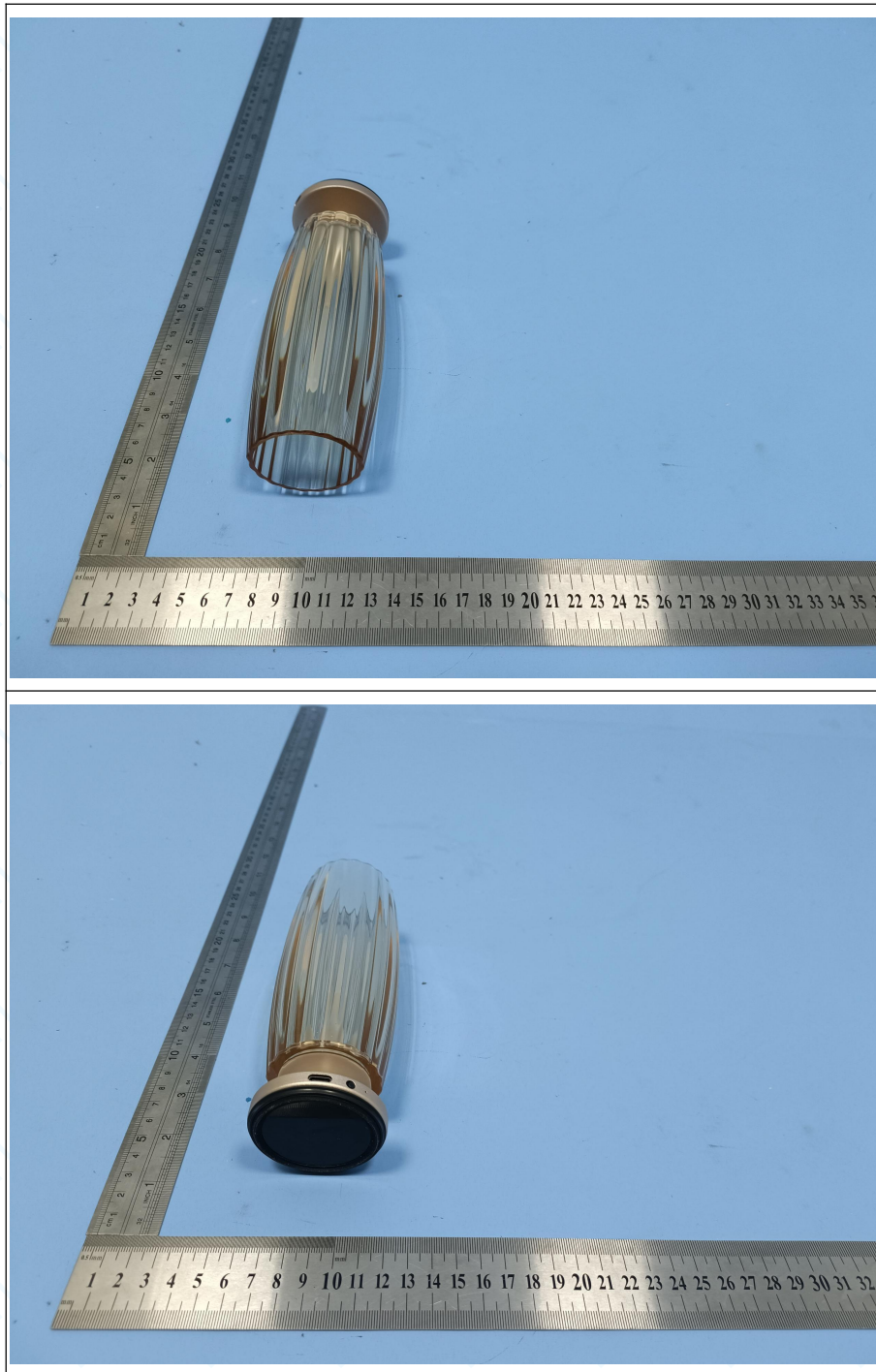


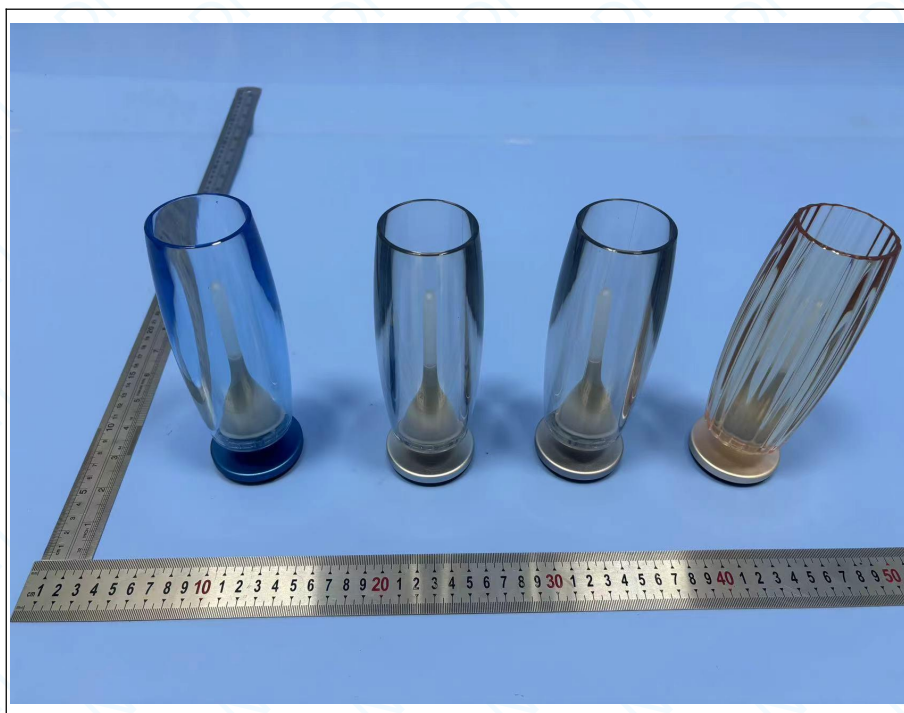
Radiated Emission Test View





EXHIBIT B – PHOTO GRAPHS OF EUT





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