



EMC TEST REPORT

Product Name: RGB LED Lighting Set

Model Name: GN7214H-24

Series Model: GN7214H-12, GN7214H-24A

FCC ID: 2BEE0-GN7214H

Issued For : Dong guan City Huge Sun Lighting Co.,LTD

Room 301, Building 1, No. 6, Sangyuan Yinyang Road,
Dongcheng Street, Dongguan City, Guangdong Province

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Zhenxiong Industrial Park,
No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan
District, Shenzhen, Guangdong, China

Report Number: LGT2D104EM01

Sample Received Date: April 16, 2025

Date of Test: April 16, 2025 ~ April 25, 2025

Date of Issue: April 25, 2025

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TEST REPORT CERTIFICATION

Applicant: Dong guan City Huge Sun Lighting Co.,LTD
Address: Room 301, Building 1, No. 6, Sangyuan Yinyang Road, Dongcheng Street, Dongguan City, Guangdong Province
Manufacturer: Dong guan City Huge Sun Lighting Co.,LTD
Address: Room 301, Building 1, No. 6, Sangyuan Yinyang Road, Dongcheng Street, Dongguan City, Guangdong Province
Product Name: RGB LED Lighting Set
Trademark: N/A
Model Name: GN7214H-24
Series Model: GN7214H-12, GN7214H-24A
Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR Part 15 Subpart B ANSI C63.4-2014	PASS

Prepared by:

Terry Zhao

Terry Zhao
Engineer

Approved by:

Vita Li

Vita Li
Technical Director





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Revision History

Rev.	Issue Date	Revisions
00	April 25, 2025	Initial Issue



1. TEST SUMMARY

EMC Emission				
Standard	Test Item	Limit	Judgement	Remark
FCC 47 CFR Part 15 Subpart B ANSI C63.4-2014	Conducted Emissions	Class B	PASS	
	Radiated Emissions Below 1GHz	Class B	PASS	
	Radiated Emissions Above 1GHz	Class B	PASS	Note 1

Note:

- 1 "N/A" denotes test is not applicable in this Test Report
- 2 If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz. If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, measurement shall only be made up to 5 GHz. If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 40 GHz, whichever is less.
- 3 According to the electrical construction of the EUT, there is no AC terminal incorporated and DC terminal which no dedicated AC/DC adaptor. Therefore this test is not applicable for this EUT.



1.1 TEST LABORATORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate	A2LA Certificate No.: 6727.01
	FCC Registration No.: 746540
	CAB ID: CN0136

1.2 MEASUREMENT UNCERTAINTY

Test Item	Measurement Frequency Range MHz	Uncertainty dB
Conducted Emissions at AC mains power port	0.009 ~ 30	2.80
Radiated Emissions	0.009 ~ 30	2.16
Radiated Emissions	30 ~ 1000	4.40
Radiated Emissions	1000 ~ 6000	5.10
Radiated Emissions	6000 ~ 18000	5.49

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. The measurement uncertainty is not included in the test result.



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	RGB LED Lighting Set
Model Name:	GN7214H-24
Series Model:	GN7214H-12, GN7214H-24A
Model Difference:	All models are the same except the power supply and the length of the light bar. GN7214H-12 power supply is 12W, single light bar. GN7214H-24 power supply is 24W, three short light bars. GN7214H-24A power supply is 24W. two long light bars.
Maximum operating frequency:	> 108MHz
Rating:	AC 120V/60Hz
Test voltage:	AC 120V/60Hz
Hardware Version:	N/A
Software Version:	N/A
Connecting I/O Port(s):	Please refer to the Note 1.

Note: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



2.2 DESCRIPTION OF THE TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operating mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	Working+RX

Conducted Emission Test	
Final Test Mode	Description
Mode 1	Working+RX

For Radiated Emission	
Final Test Mode	Description
Mode 1	Working+RX

Note: For radiated emission test, test mode 1 was the worst case and only this mode was presented in this report.

2.3 DESCRIPTION OF THE SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Accessories Equipment

Description	Manufacturer	Model	Rating	Remark
Adapter 1	X.L.Y ELECTRONICS LIMITED	W24-120200UW	Input: 100-240V AC, 50/60Hz, 0.6A MAX Output: 12V, 2.0A	For Model: GN7214H-24 GN7214H-24 A
Adapter 2	XING YUAN ELECTRONICS CO.,LTD	XY24SR-120200 VQ-UW	Input: 100-240V AC, 50/60Hz, 0.6A MAX Output: 12V, 2.0A	For Model: GN7214H-24 GN7214H-24 A
Adapter 3	Dong Guan Shi Jin Run Xu Electronic Factory	HX13-1201000- AU-00	Input: 100-240V AC, 50/60Hz, 0.5A MAX Output: 12V, 1.0A	For Model: GN7214H-12

Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.



2.4 MEASUREMENT INSTRUMENTS LIST

Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2025.03.06	2026.03.05
LISN	COM-POWER	LI-115	02032	2025.03.05	2026.03.04
LISN	SCHWARZBECK	NNLK 8122	00160	2025.03.05	2026.03.04
LISN	EMTRACE	PWL-50-3200	00317	2025.03.05	2026.03.04
LISN	EMTRACE	PVDC-150R-200	00353	2025.03.12	2026.03.11
ISN	FCC	T4-02	91317	2025.03.05	2026.03.04
ISN	SCHWARZBECK	NTFM 8158	00303	2025.03.05	2026.03.04
Transient Limiter	CYBERTEK	EM5010A	E2250100049	2025.03.05	2026.03.04
Temperature & Humidity	BT-3	JINGCHUAN G	N.A	2025.03.10	2026.03.09
Testing Software	SKET	EMC-I	V1.4.0.3	N/A	N/A
Radiated Emission					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2025.03.06	2026.03.05
Spectrum Analyzer	Keysight	N9020A	MY50530994	2025.03.05	2026.03.04
Spectrum Analyzer	Keysight	N9010B	MY60242508	2025.03.05	2026.03.04
Active loop Antenna	ETS	6502	00049544	2025.03.11	2028.03.10
Trilog Broadband Antenna	SCHWARZBECK	VULB 9168	01447	2024.05.17	2027.05.16
Horn Antenna	SCHWARZBECK	3115	10SL0060	2025.03.10	2028.03.09
Pre-amplifier (9kHz-1GHz)	EMtrace	RP01A	02017	2025.03.06	2026.03.05
Pre-amplifier (1-26.5G)	Agilent	8449B	3008A4722	2025.03.06	2026.03.05
Temperature & Humidity	BT-3	JINGCHUAN G	N.A	2025.03.10	2026.03.09
Testing Software	SKET	EMC-I	V1.4.0.3	N/A	N/A



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 LIMITS

FREQUENCY (MHz)	Conducted Emission Limits (dBuV)			
	Class A		Class B	
	Quasi-peak	Average	Quasi-peak	Average
0.15 ~ 0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.5 ~ 5	73.00	60.00	56.00	46.00
5 ~ 30	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor
Margin Level = Measurement Value - Limit Value

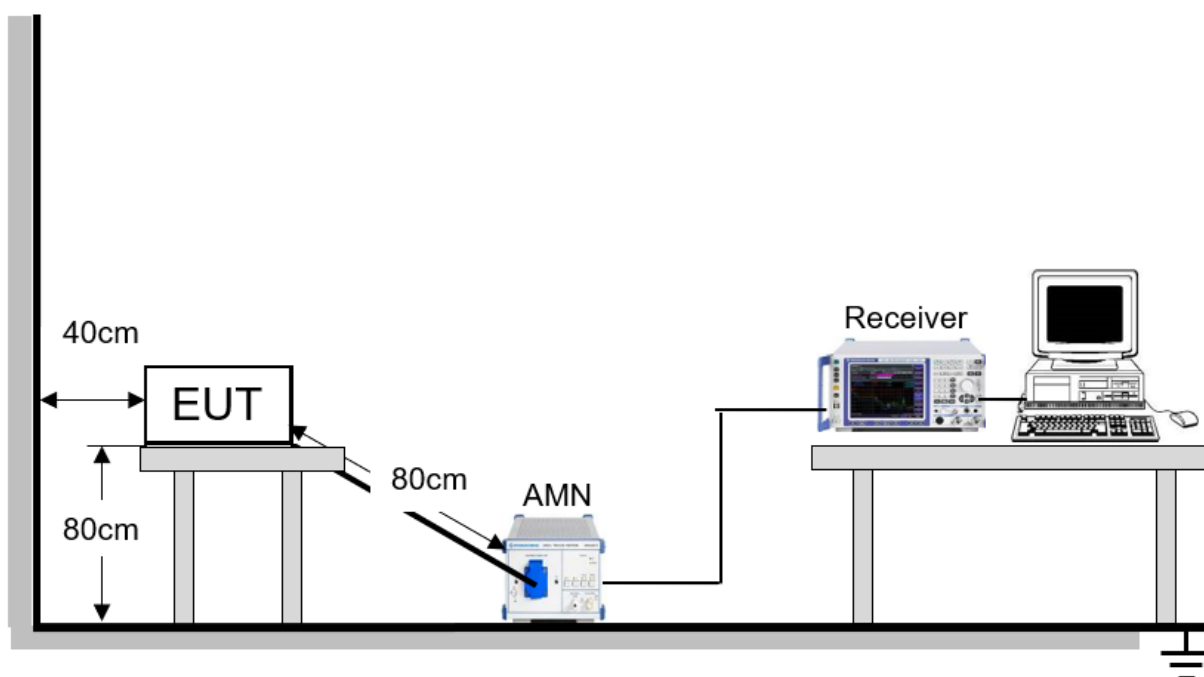
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item - EUT Test Photos.

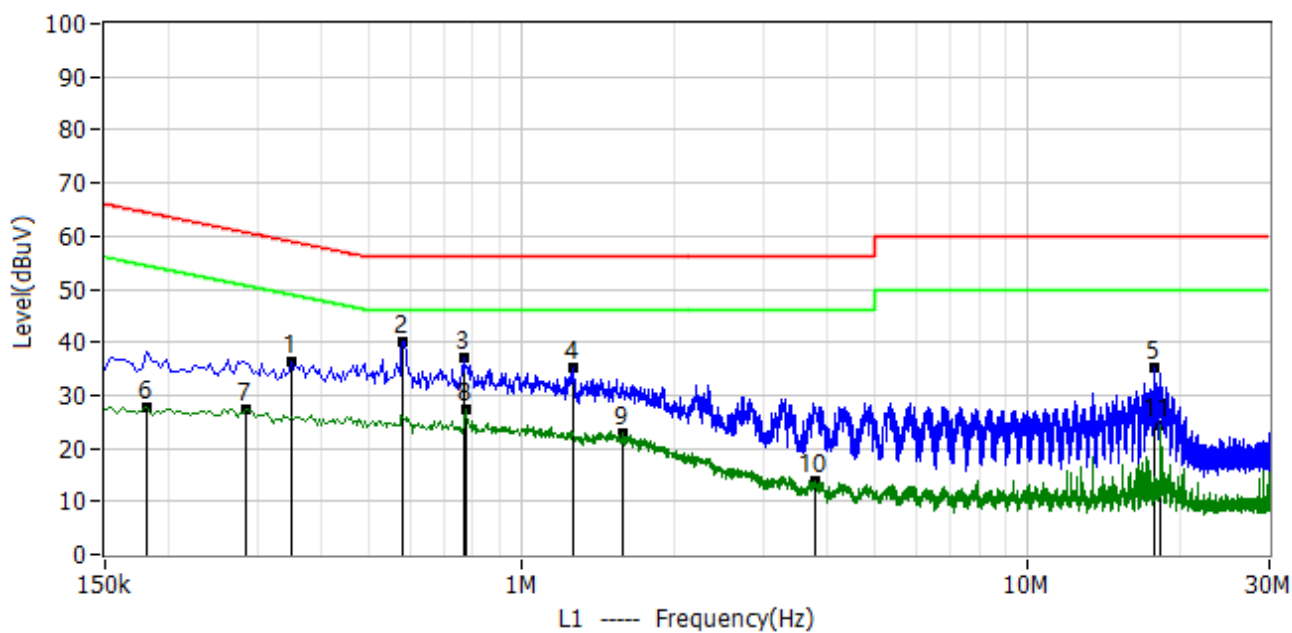
3.1.3 TEST SETUP





3.1.4 TEST RESULTS

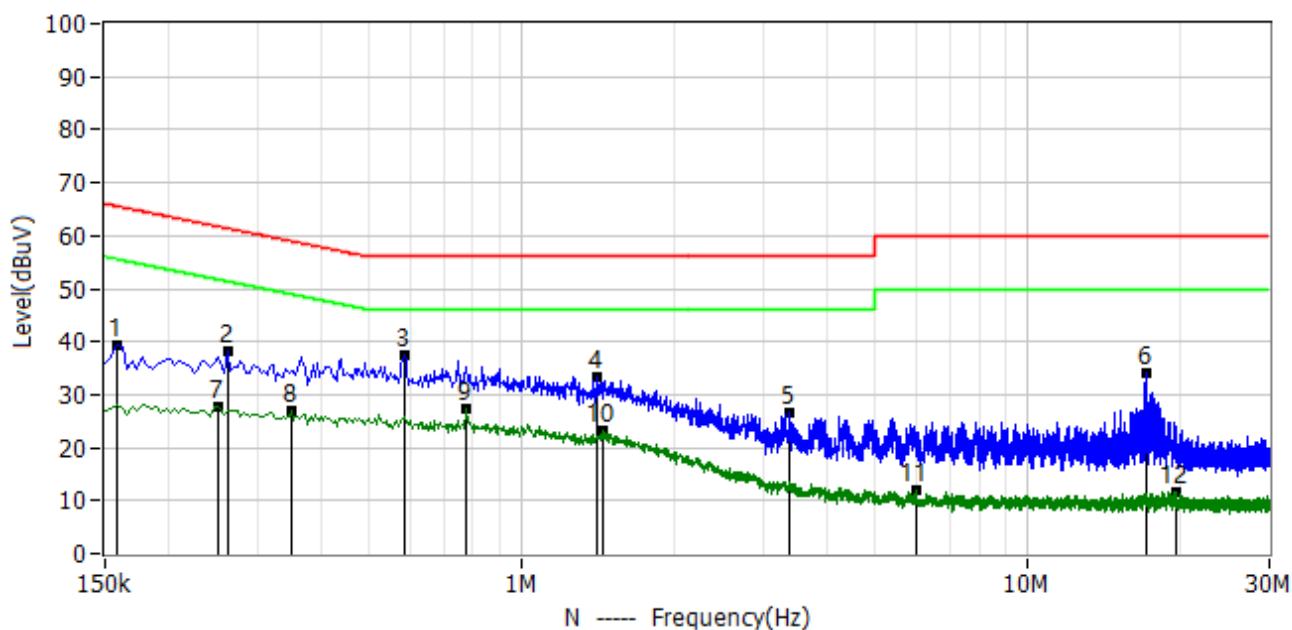
Project: LGT25D104	Test Engineer: LiuH
EUT: RGB LED Lighting Set	Temperature: 23°C
M/N: GN7214H-24	Humidity: 51%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-04-24
Test Mode: Working+RX	
Note: W24-120200UW	



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.350	25.87	10.57	36.44	58.96	-22.52	QP	L1
2*	0.582	29.62	10.57	40.19	56.00	-15.81	QP	L1
3*	0.766	26.33	10.59	36.92	56.00	-19.08	QP	L1
4*	1.258	24.62	10.77	35.39	56.00	-20.61	QP	L1
5*	17.770	23.54	11.52	35.06	60.00	-24.94	QP	L1
6*	0.182	17.25	10.61	27.86	54.39	-26.54	AV	L1
7*	0.286	16.84	10.58	27.42	50.64	-23.22	AV	L1
8*	0.774	16.56	10.60	27.16	46.00	-18.84	AV	L1
9*	1.582	11.87	10.86	22.73	46.00	-23.27	AV	L1
10*	3.790	2.59	11.15	13.74	46.00	-32.26	AV	L1
11*	18.302	12.88	11.55	24.43	50.00	-25.57	AV	L1



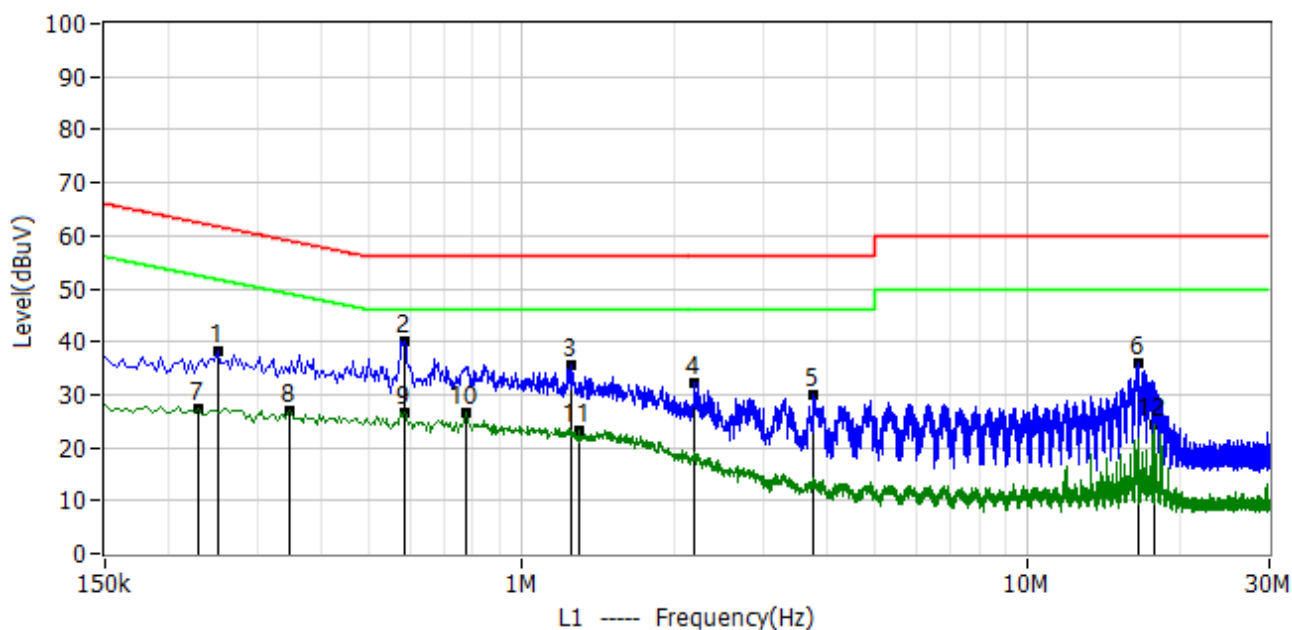
Project: LGT25D104	Test Engineer: LiuH
EUT: RGB LED Lighting Set	Temperature: 23°C
M/N: GN7214H-24	Humidity: 51%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-04-24
Test Mode: Working+RX	
Note: W24-120200UW	



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.158	28.59	10.57	39.16	65.57	-26.40	QP	N
2*	0.262	27.53	10.58	38.11	61.37	-23.26	QP	N
3*	0.586	27.03	10.55	37.58	56.00	-18.42	QP	N
4*	1.402	22.62	10.63	33.25	56.00	-22.75	QP	N
5*	3.382	15.93	10.79	26.72	56.00	-29.28	QP	N
6*	17.114	22.69	11.49	34.18	60.00	-25.82	QP	N
7*	0.250	17.23	10.57	27.80	51.76	-23.96	AV	N
8*	0.350	16.34	10.59	26.93	48.96	-22.03	AV	N
9*	0.778	16.77	10.56	27.33	46.00	-18.67	AV	N
10*	1.446	12.76	10.64	23.40	46.00	-22.60	AV	N
11*	6.030	1.10	10.83	11.93	50.00	-38.07	AV	N
12*	19.562	0.16	11.61	11.77	50.00	-38.23	AV	N



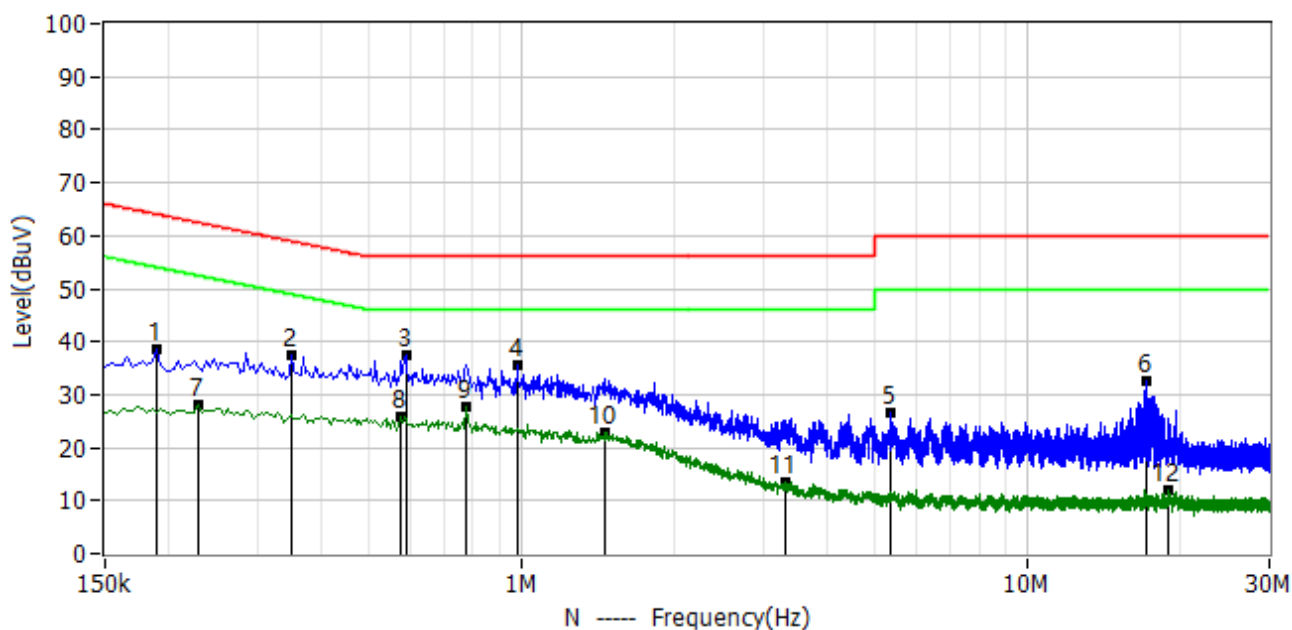
Project: LGT25D104	Test Engineer: LiuH
EUT: RGB LED Lighting Set	Temperature: 23°C
M/N: GN7214H-24	Humidity: 51%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-04-24
Test Mode: Working+RX	
Note: XY24SR-120200VQ-UW	



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.250	27.58	10.60	38.18	61.76	-23.58	QP	L1
2*	0.586	29.63	10.57	40.20	56.00	-15.80	QP	L1
3*	1.254	24.64	10.77	35.41	56.00	-20.59	QP	L1
4*	2.186	21.26	11.03	32.29	56.00	-23.71	QP	L1
5*	3.774	18.87	11.15	30.02	56.00	-25.98	QP	L1
6*	16.474	24.33	11.46	35.79	60.00	-24.21	QP	L1
7*	0.230	16.61	10.61	27.22	52.45	-25.23	AV	L1
8*	0.346	16.45	10.57	27.02	49.06	-22.03	AV	L1
9*	0.586	15.92	10.57	26.49	46.00	-19.51	AV	L1
10*	0.778	16.16	10.60	26.76	46.00	-19.24	AV	L1
11*	1.302	12.34	10.78	23.12	46.00	-22.88	AV	L1
12*	17.694	12.90	11.52	24.42	50.00	-25.58	AV	L1



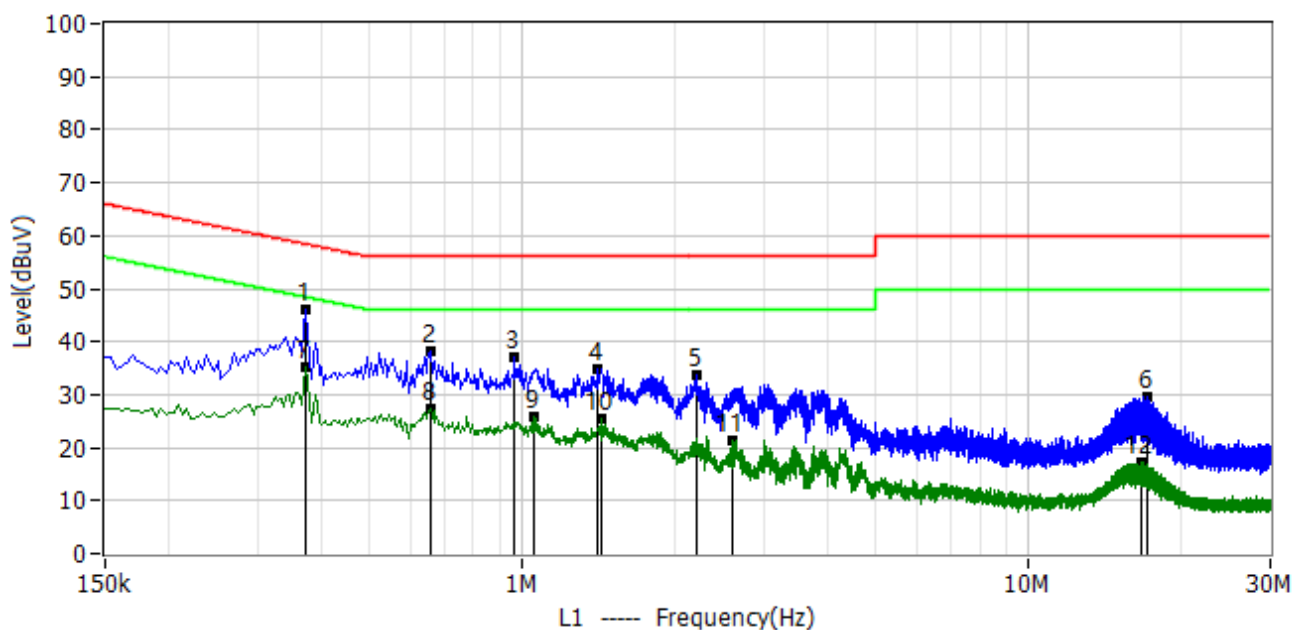
Project: LGT25D104	Test Engineer: LiuH
EUT: RGB LED Lighting Set	Temperature: 23°C
M/N: GN7214H-24	Humidity: 51%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-04-24
Test Mode: Working+RX	
Note: XY24SR-120200VQ-UW	



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.190	27.94	10.56	38.50	64.04	-25.53	QP	N
2*	0.350	26.76	10.59	37.35	58.96	-21.62	QP	N
3*	0.590	27.05	10.55	37.60	56.00	-18.40	QP	N
4*	0.978	25.02	10.54	35.56	56.00	-20.44	QP	N
5*	5.366	15.58	10.83	26.41	60.00	-33.59	QP	N
6*	17.102	21.08	11.49	32.57	60.00	-27.43	QP	N
7*	0.230	17.59	10.57	28.16	52.45	-24.29	AV	N
8*	0.578	15.36	10.55	25.91	46.00	-20.09	AV	N
9*	0.778	17.32	10.56	27.88	46.00	-18.12	AV	N
10*	1.462	12.35	10.64	22.99	46.00	-23.01	AV	N
11*	3.302	2.60	10.79	13.39	46.00	-32.61	AV	N
12*	18.986	0.33	11.58	11.91	50.00	-38.09	AV	N



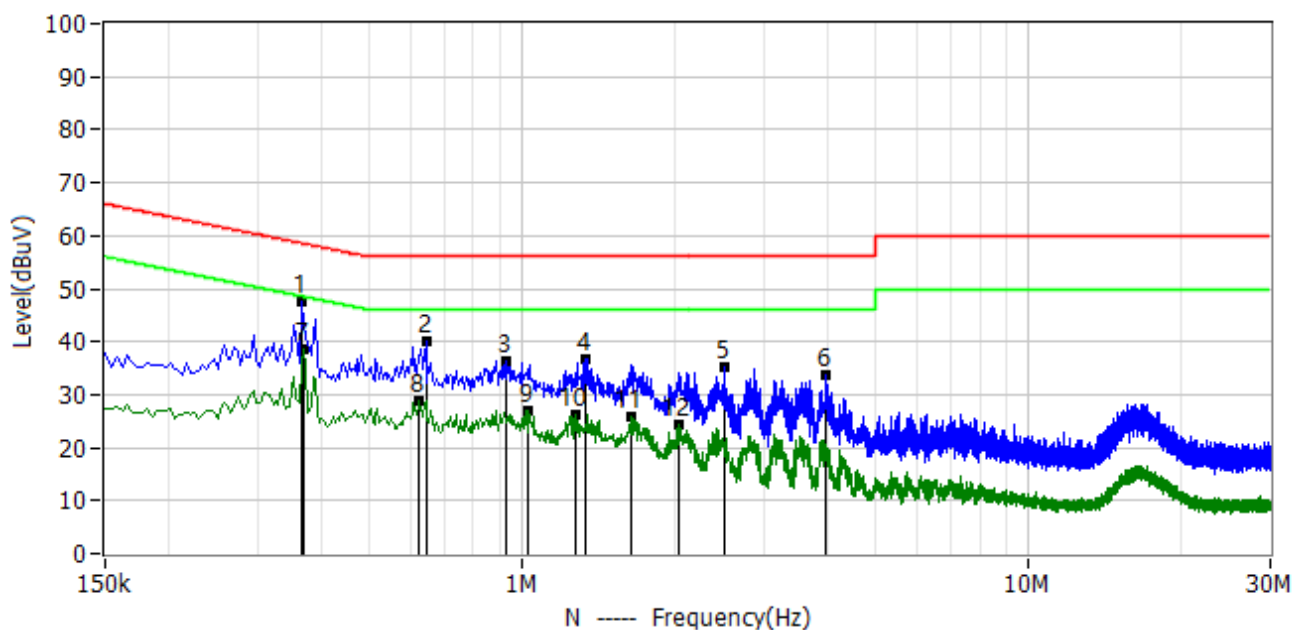
Project: LGT25D104	Test Engineer: LiuH
EUT: RGB LED Lighting Set	Temperature: 23°C
M/N: GN7214H-24	Humidity: 51%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-04-24
Test Mode: Working+RX	
Note: XY24SR-120200VQ-UW	



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.374	35.56	10.57	46.13	58.41	-12.29	QP	L1
2*	0.662	27.47	10.57	38.04	56.00	-17.96	QP	L1
3*	0.966	26.33	10.68	37.01	56.00	-18.99	QP	L1
4*	1.406	24.15	10.81	34.96	56.00	-21.04	QP	L1
5*	2.202	22.66	11.03	33.69	56.00	-22.31	QP	L1
6*	17.086	18.27	11.49	29.76	60.00	-30.24	QP	L1
7*	0.374	24.61	10.57	35.18	48.41	-13.23	AV	L1
8*	0.662	16.90	10.57	27.47	46.00	-18.53	AV	L1
9*	1.050	15.05	10.71	25.76	46.00	-20.24	AV	L1
10*	1.438	14.54	10.82	25.36	46.00	-20.64	AV	L1
11*	2.606	10.41	11.11	21.52	46.00	-24.48	AV	L1
12*	16.694	5.88	11.47	17.35	50.00	-32.65	AV	L1



Project: LGT25D104	Test Engineer: LiuH
EUT: RGB LED Lighting Set	Temperature: 23°C
M/N: GN7214H-24	Humidity: 51%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-04-24
Test Mode: Working+RX	
Note: XY24SR-120200VQ-UW	



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.366	36.87	10.59	47.46	58.59	-11.13	QP	N
2*	0.646	29.43	10.56	39.99	56.00	-16.01	QP	N
3*	0.930	25.66	10.55	36.21	56.00	-19.79	QP	N
4*	1.338	26.17	10.61	36.78	56.00	-19.22	QP	N
5*	2.502	24.27	10.77	35.04	56.00	-20.96	QP	N
6*	3.986	22.82	10.81	33.63	56.00	-22.37	QP	N
7*	0.370	27.93	10.59	38.52	48.50	-9.98	AV	N
8*	0.626	18.26	10.56	28.82	46.00	-17.18	AV	N
9*	1.030	16.36	10.55	26.91	46.00	-19.09	AV	N
10*	1.274	15.72	10.60	26.32	46.00	-19.68	AV	N
11*	1.642	15.20	10.68	25.88	46.00	-20.12	AV	N
12*	2.030	13.56	10.76	24.32	46.00	-21.68	AV	N



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS

Below 1 GHz

Frequency (MHz)	Class A	Class B
	Field strength (dBuV/m) (at 3m)	Field strength (dBuV/m) (at 3m)
30 - 88	49.5	40
88 - 216	53.9	43.5
216 - 960	56.9	46
Above 960	60	54

Above 1 GHz

Frequency (MHz)	Class A		Class B	
	Field strength (dBuV/m) (at 3m)		Field strength (dBuV/m) (at 3m)	
	Peak	Average	Peak	Average
Above 1000	80	60	74	54

Frequency Range of Radiated Disturbance Measurement

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

Note:

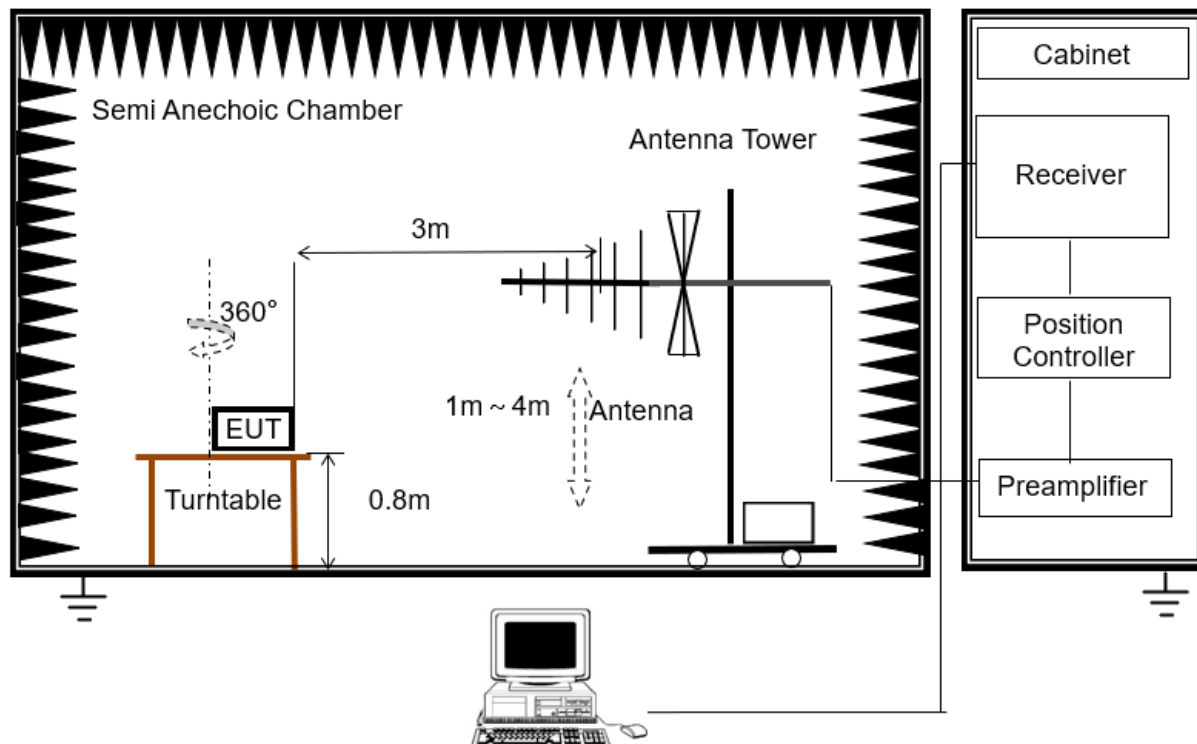
- (1) The limit for radiated test was performed according to FCC Part 15, Subpart B;
- (2) The tighter limit applies at the band edges;
- (3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use),
Margin Level = Measurement Value - Limit Value.

3.2.2 TEST PROCEDURE

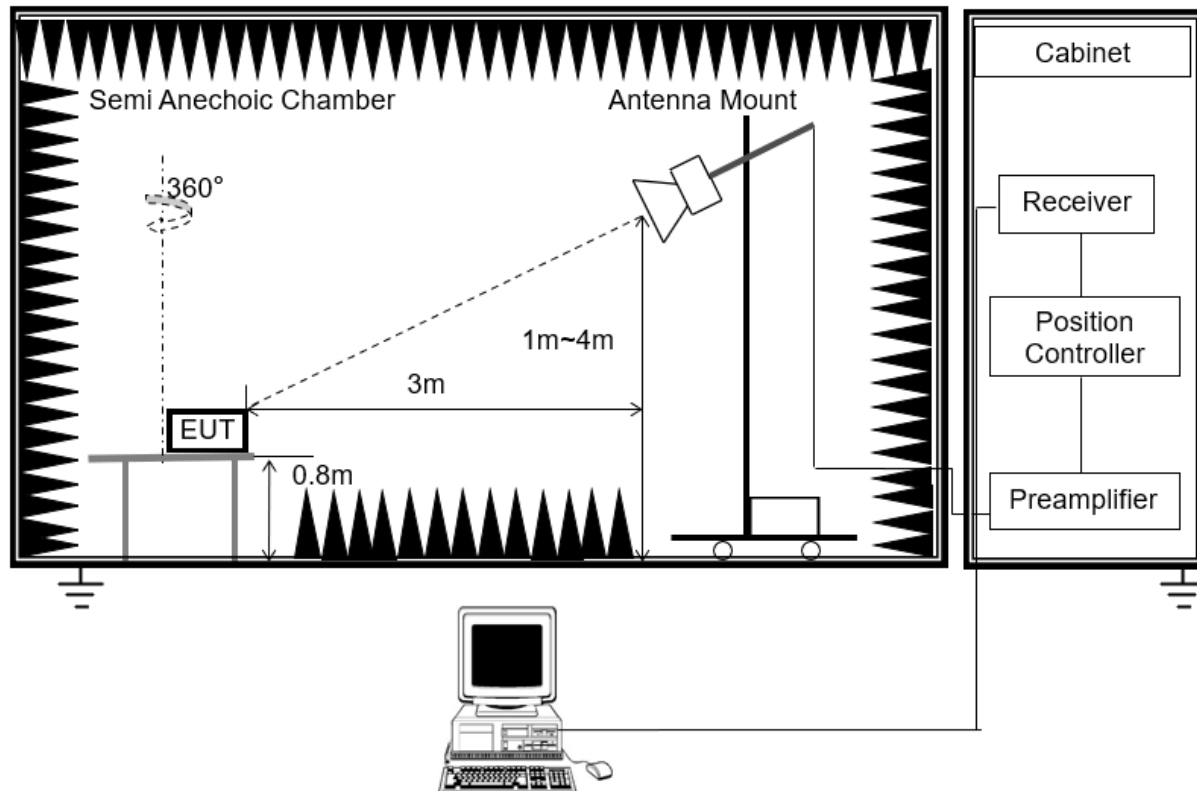
- a. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. EUT as the center to the edge of the auxiliary device, the distance from the maximum edge to the center of the antenna is 3 meter.
- c. The height of antenna is varied from 1 meter to 4 meter above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meter and the rotatable table was turned from 0 degrees to 360 degree to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.2.3 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz



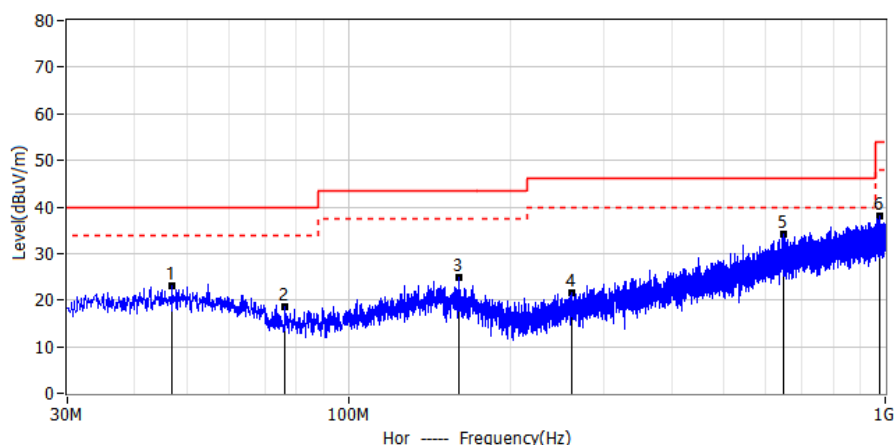
For the actual test configuration, please refer to Appendix I: Photographs of the Test Configuration



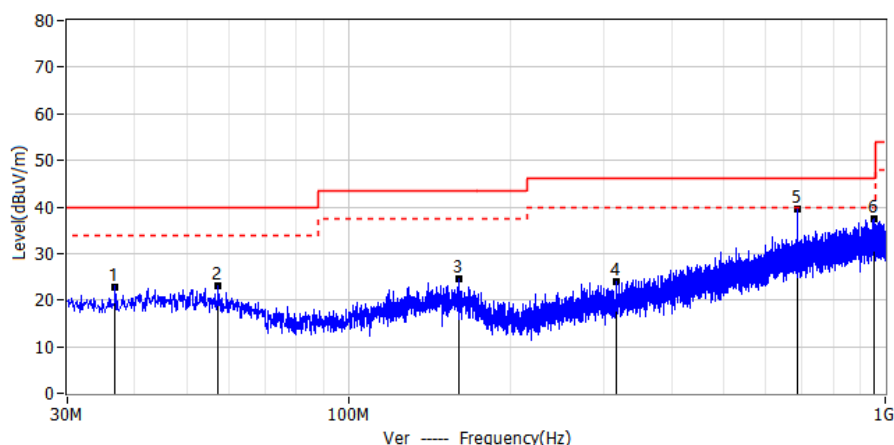
3.2.4 TEST RESULTS

Below 1 GHz

Project: LGT25D104	Test Engineer: LiuH
EUT: RGB LED Lighting Set	Temperature: 23°C
M/N: GN7214H-24	Humidity: 51%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-04-24
Test Mode: Working+RX	
Note: W24-120200UW	



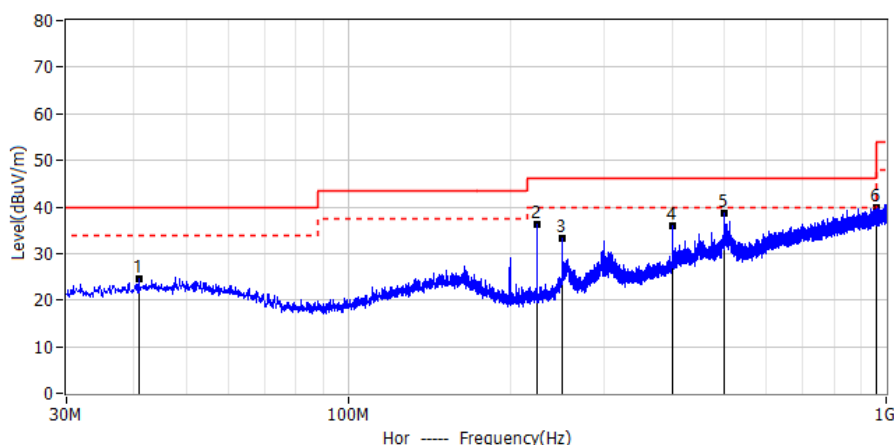
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar	Height cm	Degree Deg.
1*	46.975	2.52	20.44	22.96	40.00	-17.04	QP	Hor	309	360
2*	76.318	2.05	16.43	18.48	40.00	-21.52	QP	Hor	195	12
3*	160.708	3.45	21.43	24.88	43.50	-18.62	QP	Hor	200	75
4*	260.133	1.46	20.16	21.62	46.00	-24.38	QP	Hor	202	112
5*	645.223	4.33	29.82	34.15	46.00	-11.85	QP	Hor	131	0
6*	975.386	4.23	33.75	37.98	54.00	-16.02	QP	Hor	100	0



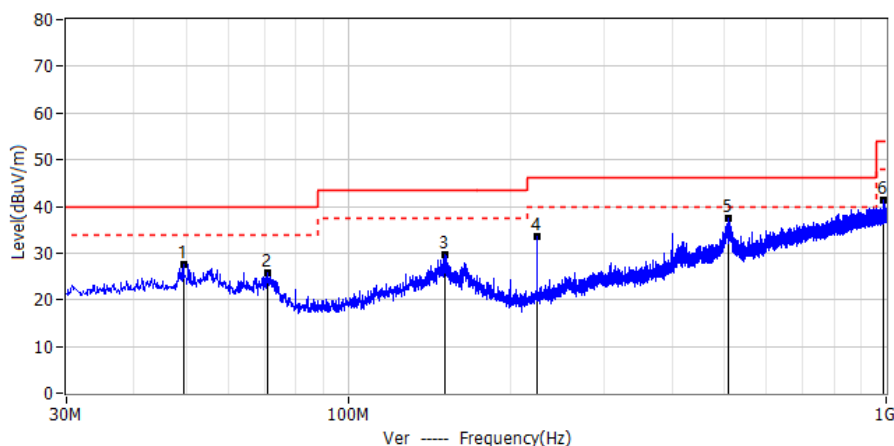
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar	Height cm	Degree Deg.
1*	36.790	3.04	19.88	22.92	40.00	-17.08	QP	Ver	100	78
2*	57.281	3.26	19.91	23.17	40.00	-16.83	QP	Ver	122	20
3*	160.344	3.01	21.54	24.55	43.50	-18.95	QP	Ver	200	153
4*	316.635	1.87	22.24	24.11	46.00	-21.89	QP	Ver	100	360
5*	687.539	9.34	30.09	39.43	46.00	-6.57	QP	Ver	100	360
6*	953.561	3.54	33.81	37.35	46.00	-8.65	QP	Ver	100	0



Project: LGT25D104	Test Engineer: LiuH
EUT: RGB LED Lighting Set	Temperature: 23°C
M/N: GN7214H-24	Humidity: 51%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-04-24
Test Mode: Working+RX	
Note: XY24SR-120200VQ-UW	



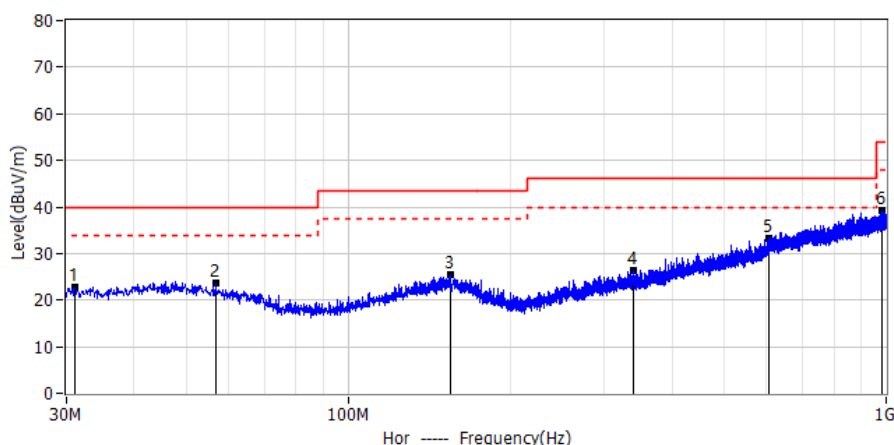
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar	Height cm	Degree Deg.
1*	40.913	3.82	20.62	24.44	40.00	-15.56	QP	Hor	217	112
2*	224.970	17.85	18.45	36.30	46.00	-9.70	QP	Hor	203	23
3*	249.948	13.11	20.08	33.19	46.00	-12.81	QP	Hor	100	14
4*	400.055	10.98	25.12	36.10	46.00	-9.90	QP	Hor	100	178
5*	499.965	11.45	27.28	38.73	46.00	-7.27	QP	Hor	134	360
6*	956.714	5.04	34.96	40.00	46.00	-6.00	QP	Hor	100	0



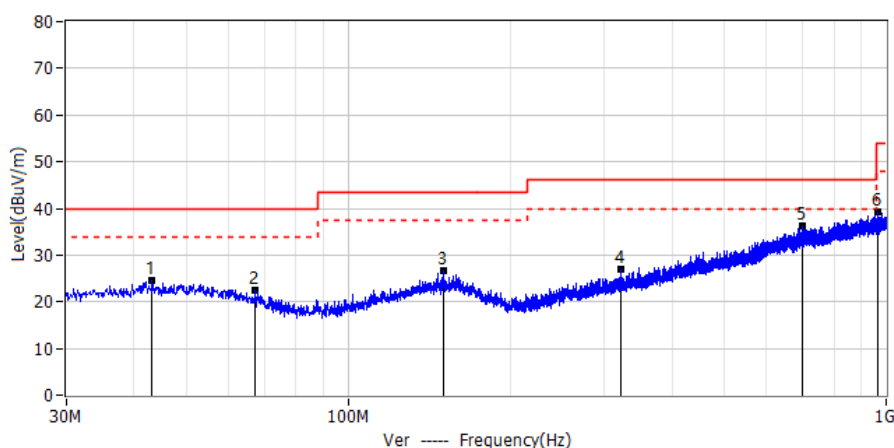
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar	Height cm	Degree Deg.
1*	49.521	6.81	20.84	27.65	40.00	-12.35	QP	Ver	149	360
2*	70.740	7.92	17.78	25.70	40.00	-14.30	QP	Ver	100	132
3*	151.008	7.82	21.90	29.72	43.50	-13.78	QP	Ver	200	360
4*	224.970	15.20	18.45	33.65	46.00	-12.35	QP	Ver	201	360
5*	509.544	9.84	27.54	37.38	46.00	-8.62	QP	Ver	100	160
6*	986.420	5.97	35.38	41.35	54.00	-12.65	QP	Ver	100	0



Project: LGT25D104	Test Engineer: LiuH
EUT: RGB LED Lighting Set	Temperature: 23°C
M/N: GN7214H-24	Humidity: 51%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-04-24
Test Mode: Working+RX	
Note: HX13-1201000-AU-001	



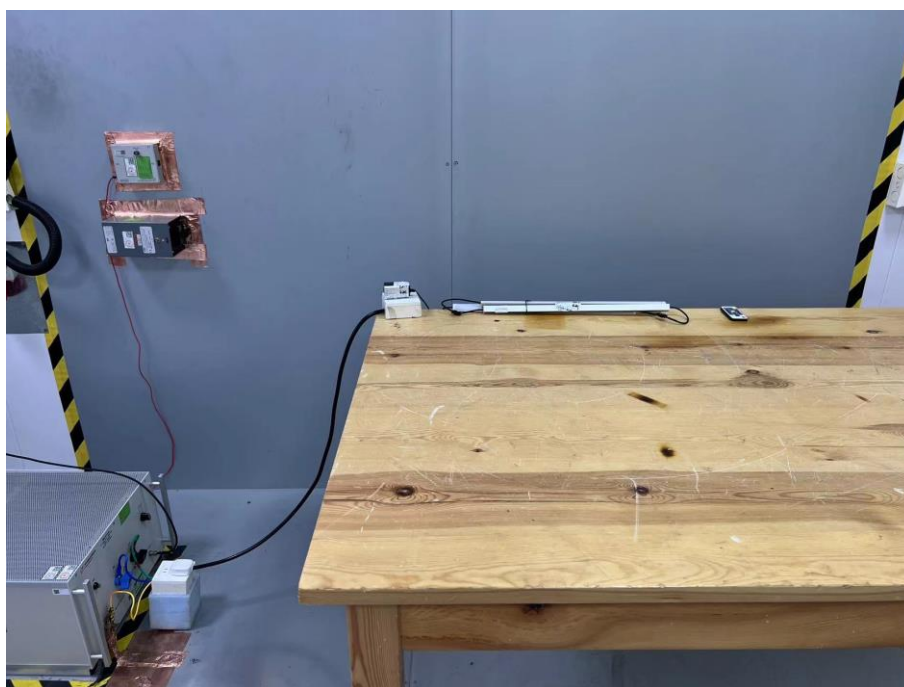
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar	Height cm	Degree Deg.
1*	31.091	3.33	19.48	22.81	40.00	-17.19	QP	Hor	100	50
2*	56.796	3.83	19.93	23.76	40.00	-16.24	QP	Hor	214	115
3*	154.766	4.03	21.38	25.41	43.50	-18.09	QP	Hor	162	360
4*	340.158	3.54	22.75	26.29	46.00	-19.71	QP	Hor	100	107
5*	606.544	4.45	28.76	33.21	46.00	-12.79	QP	Hor	121	0
6*	984.844	4.94	34.25	39.19	54.00	-14.81	QP	Hor	100	0



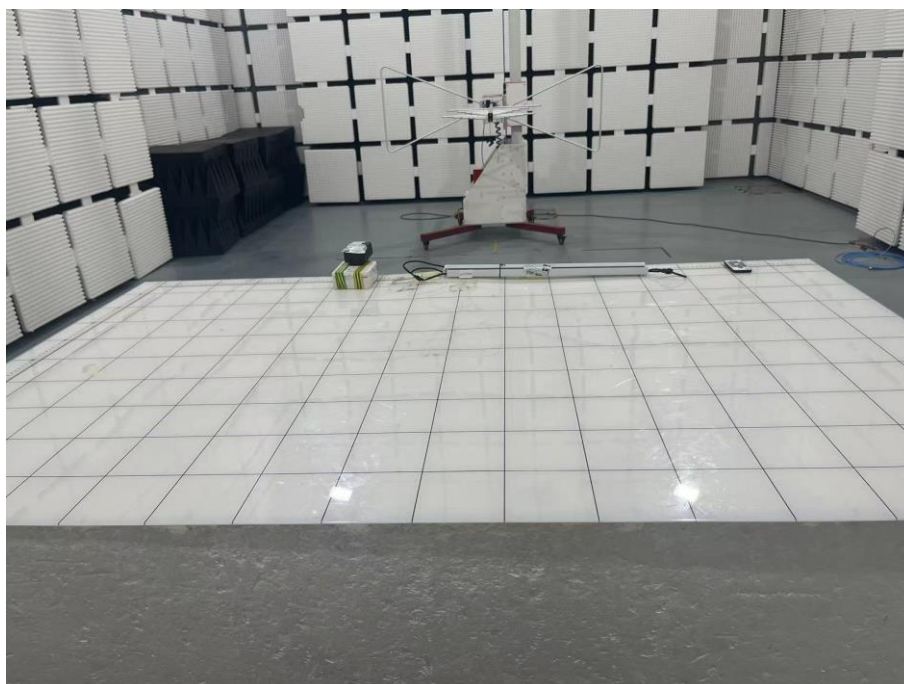
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar	Height cm	Degree Deg.
1*	43.216	3.75	20.78	24.53	40.00	-15.47	QP	Ver	151	80
2*	67.224	4.22	18.18	22.40	40.00	-17.60	QP	Ver	100	122
3*	150.765	5.17	21.47	26.64	43.50	-16.86	QP	Ver	200	360
4*	320.636	4.60	22.35	26.95	46.00	-19.05	QP	Ver	205	52
5*	698.815	5.62	30.51	36.13	46.00	-9.87	QP	Ver	100	360
6*	964.959	5.50	33.61	39.11	54.00	-14.89	QP	Ver	100	0

APPENDIX I - TEST SETUP

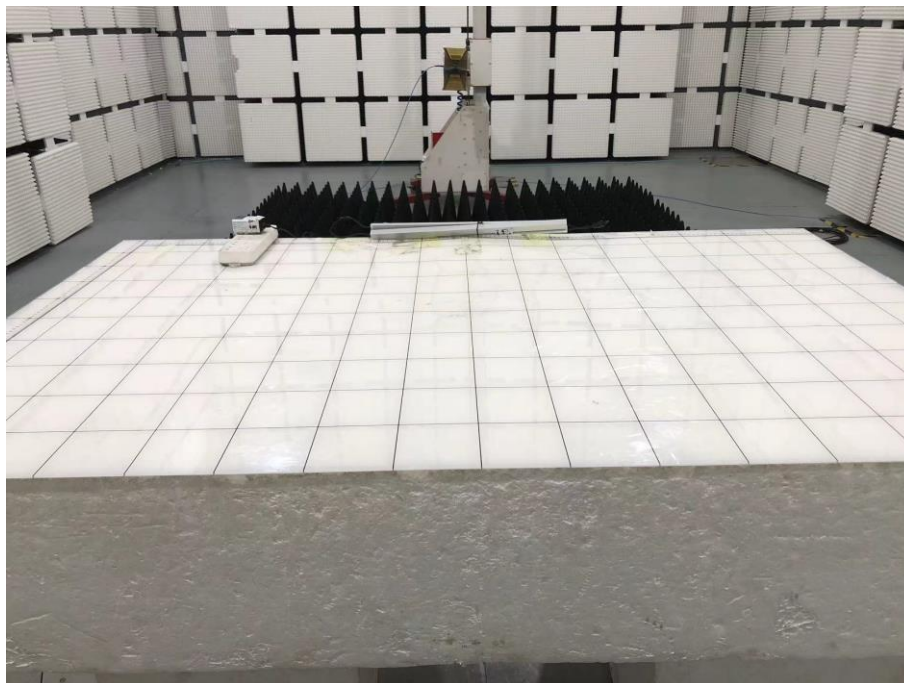
Set-up for Conducted Emission on AC Mains (CE)



Set-up for Radiated Emission (RE), Below 1GHz



Set-up for Radiated Emission (RE), Above 1GHz





APPENDIX II - External Photographs of EUT Constructional Details

Note: Please see the attached GN7214H-24 External Photos and GN7214H-24 Internal Photos..

※※※※※ END OF THE REPORT ※※※※※