



RF TEST REPORT

Product Name: THL MagCharge Wireless Charging Station

Model Number: MC01, MC01-B, MC01-P, MC01-T, MC01-W, MC01-Z

FCC ID: 2BUIB-MC01

Issued For : Shenzhen Hongjiayuan Communication Technology Co.,Ltd

Room 401, Building B, No.200 Huachang Road, Dalang
Street, Longhua District, Shenzhen City, Guangdong, China

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: LGT26A126RF03

Sample Received Date: Jan. 19, 2026

Date of Test: Jan. 19, 2026 ~ Feb. 05, 2026

Date of Issue: Feb. 05, 2026

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TEST REPORT CERTIFICATION

Applicant: Shenzhen Hongjiayuan Communication Technology Co.,Ltd
Address: Room 401, Building B, No.200 Huachang Road, Dalang Street,
Longhua District, Shenzhen City, Guangdong, China

Manufacturer: Shenzhen Hongjiayuan Communication Technology Co.,Ltd
Address: Room 401, Building B, No.200 Huachang Road, Dalang Street,
Longhua District, Shenzhen City, Guangdong, China

Product Name: THL MagCharge Wireless Charging Station

Trademark: thl

Model Number: MC01, MC01-B, MC01-P, MC01-T, MC01-W, MC01-Z

Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part 15 Subpart C ANSI C63.10-2020	PASS

Note: The test results in this report apply to all MC01 Series Models.

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Engineer

Approved by:

Vita Li

Vita Li
Technical Director





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Revision History

Rev.	Issue Date	Contents
00	Feb. 05, 2026	Initial Issue



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part 15, Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	--
15.209(a)	Radiated emission, Spurious Emission	PASS	--
15.215	20 dB Bandwidth	PASS	--

NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report.
- (2) All tests are according to ANSI C63.10-2020.

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:	FCC Registration No.: 746540
	CAB ID: CN0136

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95** %.

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 1.57\text{dB}$
2	Unwanted Emissions, conducted	$\pm 0.63\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 2.16\text{dB}$
4	All emissions, radiated 30M-1GHz	$\pm 4.61\text{dB}$
5	All emissions, radiated 1G-6GHz	$\pm 5.10\text{dB}$
6	All emissions, radiated >6G	$\pm 5.49\text{dB}$
7	Conducted Emission (9KHz-150KHz)	$\pm 2.79\text{dB}$
8	Conducted Emission (150KHz-30MHz)	$\pm 2.80\text{dB}$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	THL MagCharge Wireless Charging Station
Test Model Number:	MC01
Series Number:	MC01-B, MC01-P, MC01-T, MC01-W, MC01-Z
Model Difference:	All derivative models only differ in color, regional accessories and software versions, with identical core hardware and universally applicable test results
Channel List:	Please refer to the Note 3.
Operating frequency	116-145kHz, 328KHz, 360KHz
Equipemnt Category	Non-ISM frequency
Antenna Type:	Coil Antenna
Rating:	Input: 12V/5A Wireless Output: 25W Max
Battery:	N/A
Hardware Version:	N/A
Software Version:	N/A
Connecting I/O Port(s):	Please refer to the Note 1.

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.
2. The antenna information refers the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.

3.

Channel List					
Channel	Frequency (KHz)	Channel	Frequency (KHz)	Channel	Frequency (KHz)
00	120	01	145	02	328
03	360	-	-	-	-

4. Adapter support output 65W, apply to wireless charging output 25W maximum.



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 operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX Mode

For Conducted Emission	
Final Test Mode	Description
Mode 1	TX Mode

For Radiated Emission	
Final Test Mode	Description
Mode 1	TX Mode



2.3 DESCRIPTION OF NECESSARY ACCESSORIES AND 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	Compliance	Rating
Adapter	SHENZHEN GUITAI ELECTRONICS CO.,LTD	GT192E-65A1C	FCC Sdoc	Input: 100-240V, 50/60HZ,1.8A Output: 5V=3.0A, 9V=3.0A, 12V=5.0A, 15V=3.0A, 20V=3.25A (65W Max)

Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Wireless charging tester fixture	SiLiYuan	SK-99899	N/A	N/A
Intelligent wireless charging full function test module	WPX	WPX 0001A	N/A	N/A
Earphone	VESAFE	39630078	N/A	N/A
iWatch	Apple Inc	Apple Watch Series 7	N/A	N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” is means “with core”; “NO” is means “without core”.



2.4 EQUIPMENTS 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	SCHWARZBECK	NNLK 8122	00160	2025.03.05	2026.03.04
Transient Limiter	CYBERTEK	EM5010A	E2250100049	2025.03.05	2026.03.04
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2025.03.10	2026.03.09
Testing Software	EMC-I_V1.4.0.3_SKET				

Radiated Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2025.03.06	2026.03.05
Signal Analyzer	Keysight	N9020A	MY50530994	2025.03.05	2026.03.04
Active loop Antenna	ETS	6502	00049544	2025.03.11	2028.03.10
Trilog Broadband Antenna (30M-1G)	SCHWARZBECK	VULB 9168	2705	2024.05.17	2027.05.16
Pre-amplifier(30M-1G)	EMtrace	RP01A	02019	2025.03.06	2026.03.05
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2025.03.10	2026.03.09
Testing Software	EMC-I_V1.4.0.3_SKET				

RF Conducted Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
Signal Analyzer	Keysight	N9020A	MY50530994	2025.03.05	2026.03.04
Power Sensor	R&S	NRP8S	104963	2025.03.06	2026.03.05
RF Automatic Test system	TST	TST PASS	293	2025.07.15	2026.07.14
MXG Vector Signal Generator	Keysight	N5182B	MY59100717	2025.03.05	2026.03.04
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2025.07.30	2026.07.29
Attenuator	eastsheep	90db	N.A	2025.03.06	2026.03.05
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2025.03.10	2026.03.09
Digital multimeter	MASTECH	MS8261	MBGBC83053	2025.03.05	2026.03.04
DC source	Keysight	E3634A	MY58036468	2025.03.06	2026.03.05
Testing Software	TST Pass_2.0.2				



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table.

FREQUENCY (MHz)	Conducted Emission limit (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	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.

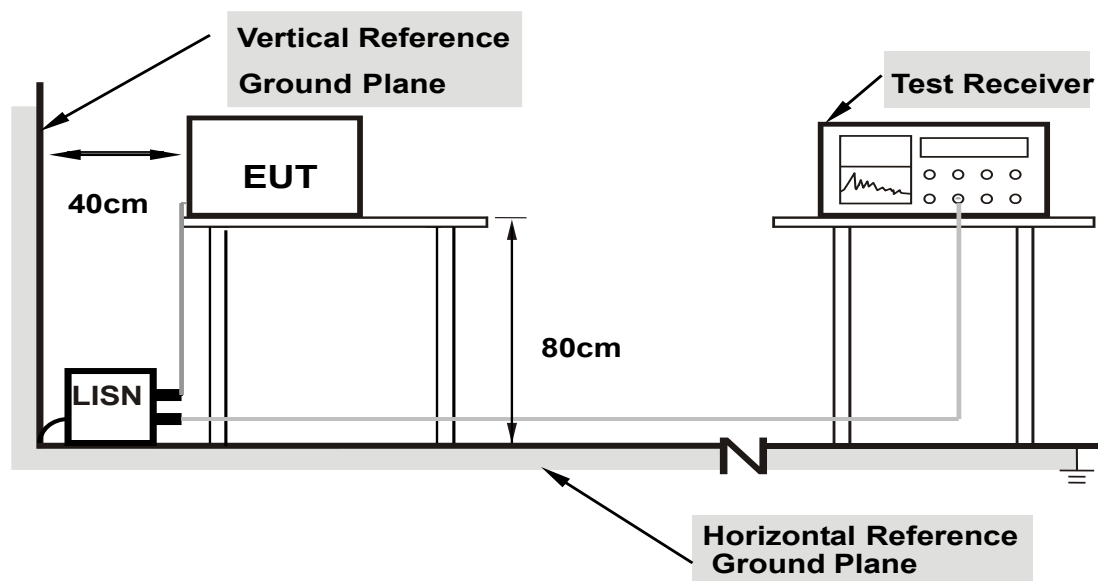
The following table is the setting of the receiver

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

3.1.2 TEST PROCEDURE

- The EUT is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 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.
- 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.
- LISN is at least 80 cm from the nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 TEST SETUP



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes support units.

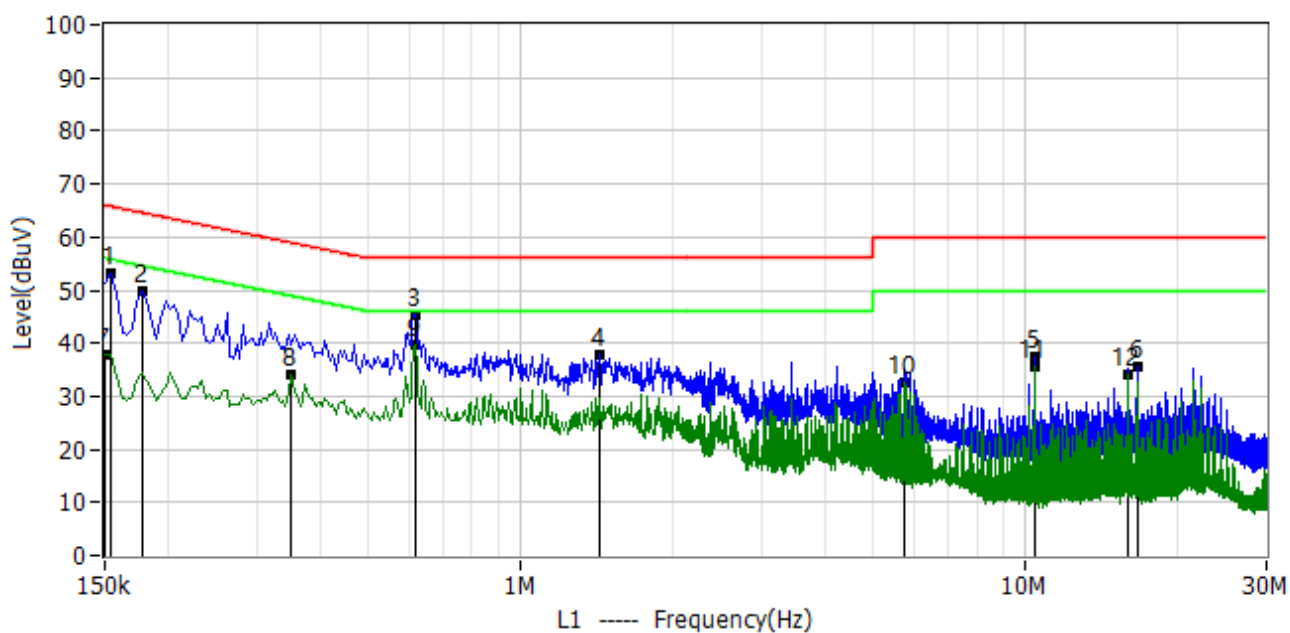
3.1.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



3.1.5 TEST RESULT

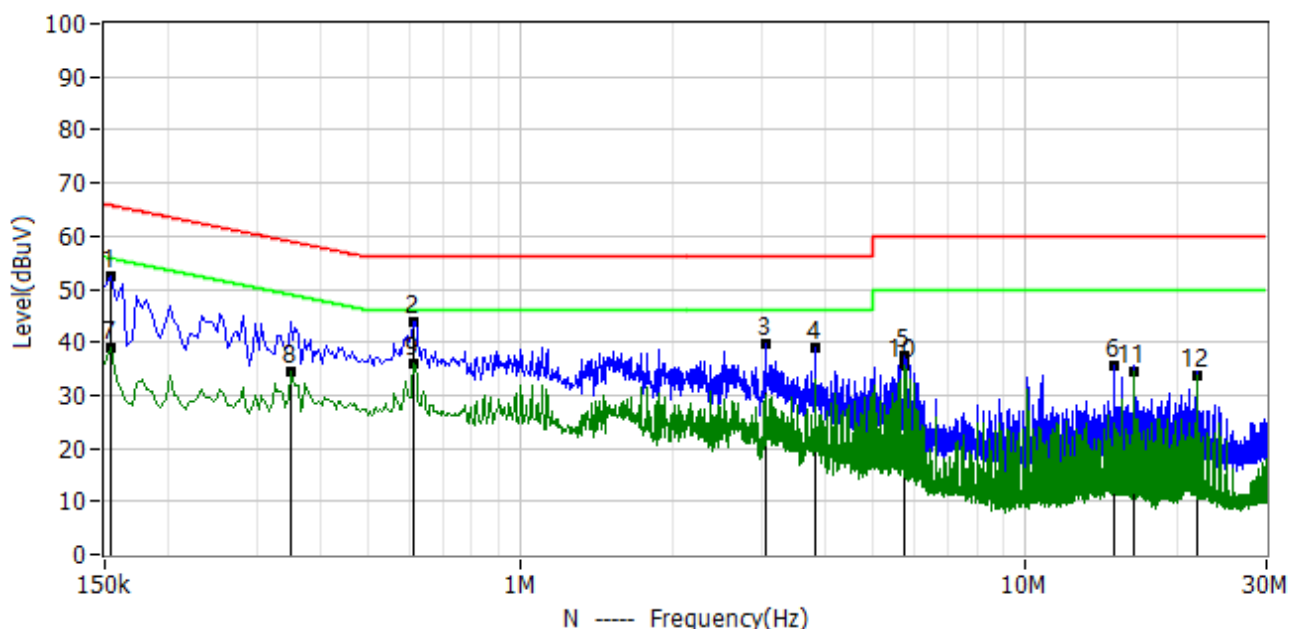
Project: LGT26A126	Test Engineer: LiuH
EUT: THL MagCharge Wireless Charging Station	Temperature: 22.7°C
M/N: MC01	Humidity: 58%RH
Test Voltage: AC 120V/60Hz	Test Data: 2026-02-05
Test Mode: Wireless Charger	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.154	42.35	10.78	53.13	65.78	-12.65	QP	L1
2*	0.178	39.21	10.66	49.87	64.58	-14.71	QP	L1
3*	0.618	34.55	10.93	45.48	56.00	-10.52	QP	L1
4*	1.430	26.86	11.12	37.98	56.00	-18.02	QP	L1
5*	10.466	25.95	11.52	37.47	60.00	-22.53	QP	L1
6*	16.726	23.64	11.76	35.40	60.00	-24.60	QP	L1
7*	0.150	27.09	10.82	37.91	56.00	-18.09	AV	L1
8*	0.350	23.19	10.92	34.11	48.96	-14.85	AV	L1
9*	0.618	28.60	10.93	39.53	46.00	-6.47	AV	L1
10*	5.734	21.20	11.36	32.56	50.00	-17.44	AV	L1
11*	10.470	23.88	11.52	35.40	50.00	-14.60	AV	L1
12*	15.958	22.37	11.74	34.11	50.00	-15.89	AV	L1



Project: LGT26A126	Test Engineer: LiuH
EUT: THL MagCharge Wireless Charging Station	Temperature: 22.7°C
M/N: MC01	Humidity: 58%RH
Test Voltage: AC 120V/60Hz	Test Data: 2026-02-05
Test Mode: Wireless Charger	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.154	41.83	10.70	52.53	65.78	-13.25	QP	N
2*	0.614	33.07	10.86	43.93	56.00	-12.07	QP	N
3*	3.062	28.29	11.24	39.53	56.00	-16.47	QP	N
4*	3.830	27.75	11.27	39.02	56.00	-16.98	QP	N
5*	5.734	26.13	11.34	37.47	60.00	-22.53	QP	N
6*	15.002	24.01	11.65	35.66	60.00	-24.34	QP	N
7*	0.154	28.41	10.70	39.11	55.78	-16.67	AV	N
8*	0.350	23.55	10.82	34.37	48.96	-14.59	AV	N
9*	0.614	25.06	10.86	35.92	46.00	-10.08	AV	N
10*	5.734	24.32	11.34	35.66	50.00	-14.34	AV	N
11*	16.342	22.94	11.69	34.63	50.00	-15.37	AV	N
12*	21.830	21.80	11.79	33.59	50.00	-16.41	AV	N



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS

In any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the Restricted band specified on Part 15.209(a) limit in the table and according to ANSI C63.10-2013 below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (0.009MHz - 1000MHz)

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

§ 15.209(d) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

3.2.2 TEST PROCEDURE

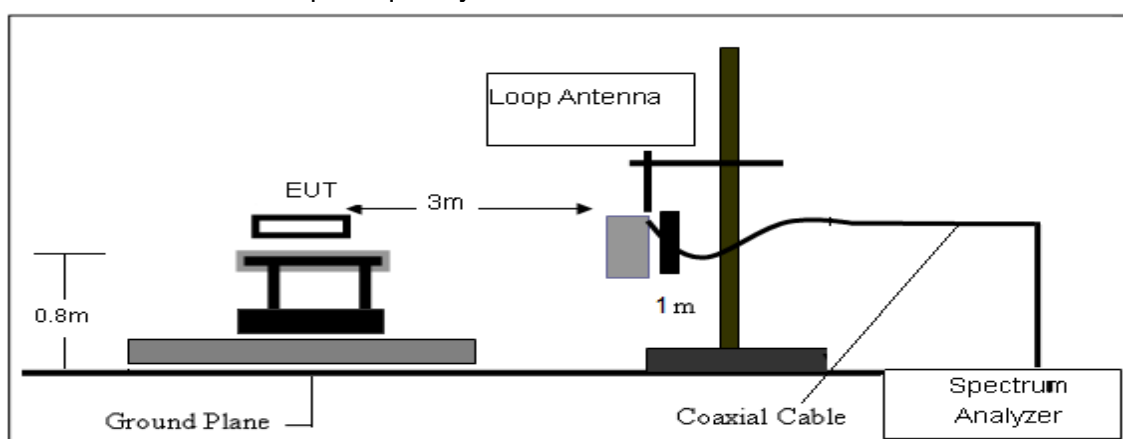
- The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz.
- The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

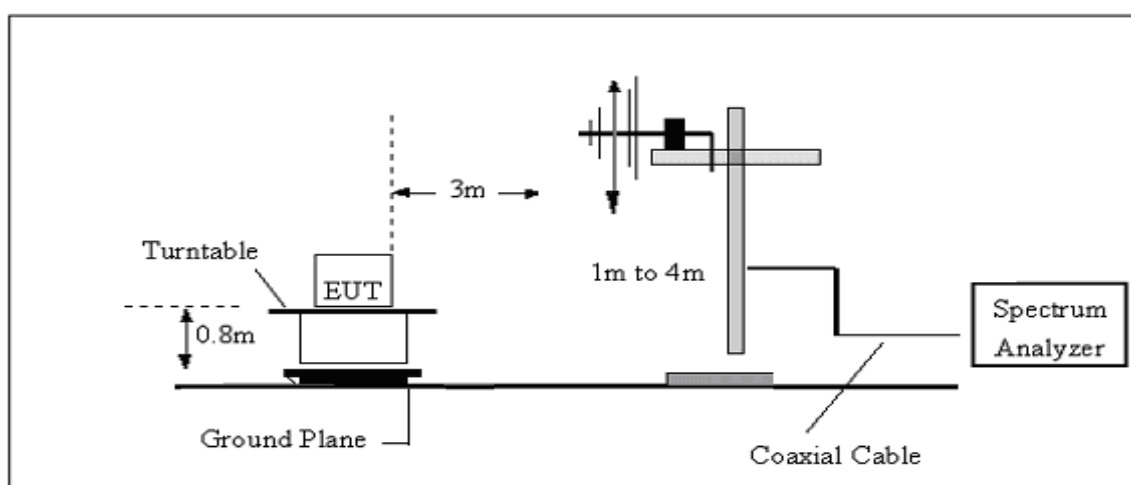
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

3.2.3 TESTSETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



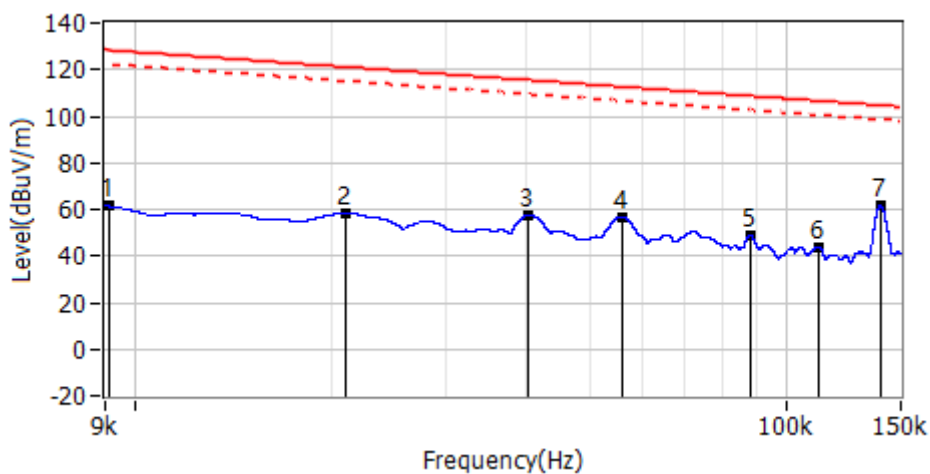


3.2.7 TEST RESULTS

Spurious Radiated Emission Below 30 MHz

Project: LGT26A126	Test Engineer: zhangyangda
EUT: THL MagCharge Wireless Charging Station	Temperature: 25.2°C
M/N: MC01	Humidity: 49%RH
Test Voltage: AC 230V/50Hz	Test Data: 2026-02-04
Test Mode: Wireless Charger	
Note:	

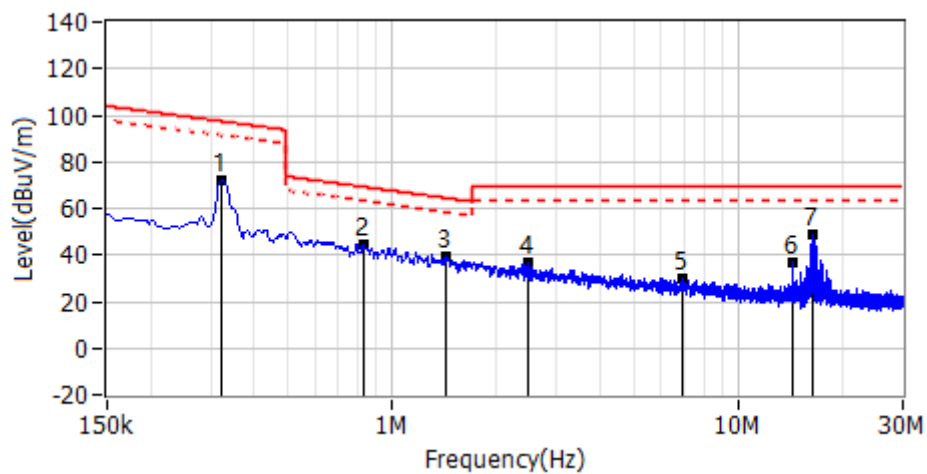
9KHz-150KHz



No.	Frequency	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector
1*	9.1410kHz	42.36	18.96	61.32	128.38	-67.07	PK
2*	21.0202kHz	43.93	14.42	58.35	121.15	-62.80	PK
3*	40.1081kHz	44.74	12.76	57.50	115.54	-58.04	PK
4*	55.9882kHz	44.84	12.02	56.86	112.64	-55.78	PK
5*	88.1539kHz	36.90	12.02	48.92	108.70	-59.78	PK
6*	111.8419kHz	31.86	12.02	43.88	106.63	-62.75	PK
7*	139.3898kHz	49.62	12.02	61.64	104.72	-43.07	PK



150KHz-30MHz

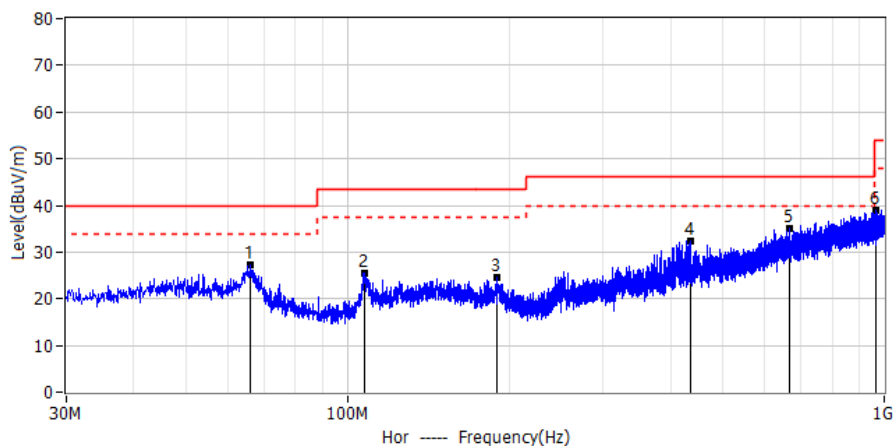


No.	Frequency	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector
1*	321.6375kHz	60.37	12.03	72.40	97.40	-25.00	PK
2*	825.3562kHz	32.35	12.04	44.39	69.27	-24.88	PK
3*	1.4224MHz	26.90	12.06	38.96	64.54	-25.58	PK
4*	2.4671MHz	24.31	12.07	36.38	69.54	-33.16	PK
5*	6.9297MHz	17.88	12.18	30.06	69.54	-39.48	PK
6*	14.3996MHz	25.36	11.34	36.70	69.54	-32.84	PK
7*	16.5563MHz	37.59	11.37	48.96	69.54	-20.58	PK

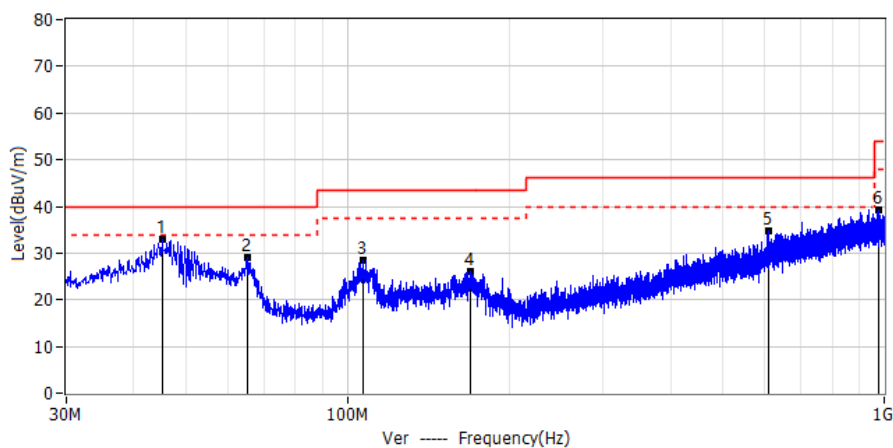


Spurious Radiated Emission Below 1 GHz

Project: LGT26A126	Test Engineer: zhangchengxiang
EUT: THL MagCharge Wireless Charging Station	Temperature: 24.2°C
M/N: MC01	Humidity: 50%RH
Test Voltage: AC 230V/50Hz	Test Data: 2026-02-03
Test Mode: Wireless Charger	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	66.133	8.74	18.49	27.23	40.00	-12.77	PK	Hor
2*	107.843	7.52	18.00	25.52	43.50	-17.98	PK	Hor
3*	190.050	5.67	18.96	24.63	43.50	-18.87	PK	Hor
4*	435.339	6.43	25.95	32.38	46.00	-13.62	PK	Hor
5*	667.533	4.65	30.42	35.07	46.00	-10.93	PK	Hor
6*	967.141	4.12	34.82	38.94	54.00	-15.06	PK	Hor



No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	45.278	12.28	20.70	32.98	40.00	-7.02	PK	Ver
2*	65.405	10.11	18.84	28.95	40.00	-11.05	PK	Ver
3*	106.873	10.59	17.88	28.47	43.50	-15.03	PK	Ver
4*	169.680	4.81	21.26	26.07	43.50	-17.43	PK	Ver
5*	609.333	5.12	29.71	34.83	46.00	-11.17	PK	Ver
6*	978.539	4.22	35.07	39.29	54.00	-14.71	PK	Ver



4. BANDWIDTH TEST

4.1 LIMIT

FCC Part 15.215, Only applicable to report.

4.2 TEST PROCEDURE

Spectrum Parameter	Setting
Span Frequency	between two times and five times the OBW
RB	1% to 5% of the OBW
VB	approximately three times RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

The test program and configuration, refer to 3.2.2 and 3.2.3.

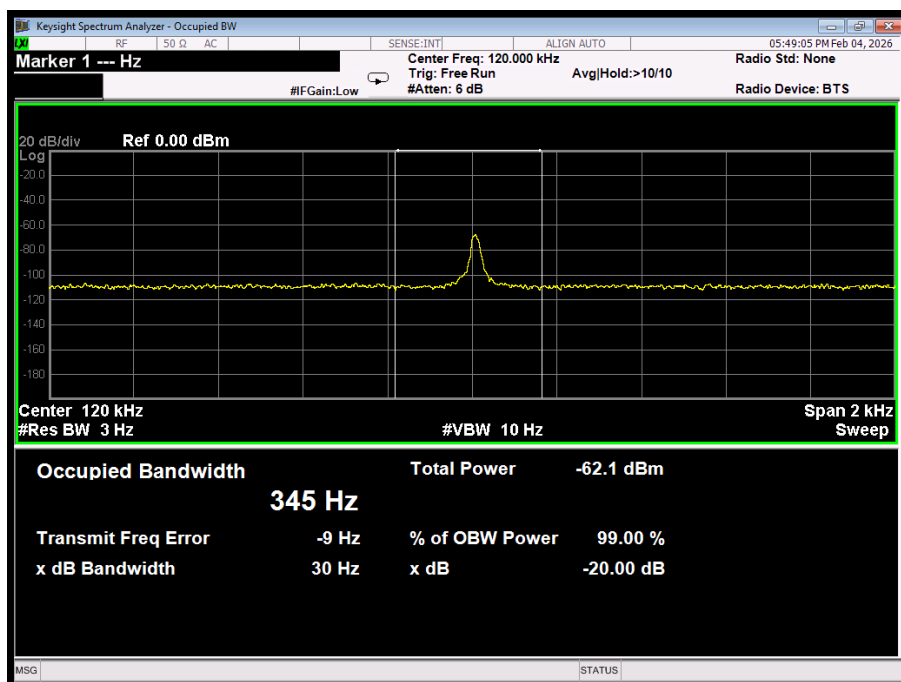
Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 3 Hz to perform the 20dB bandwidth test.

4.3 TEST RESULTS

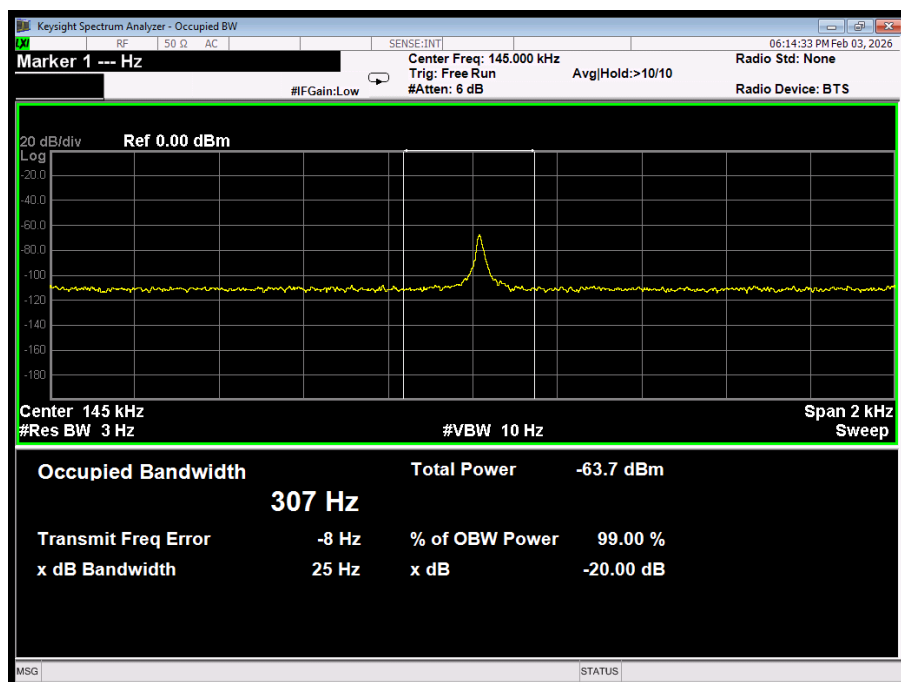
OperatingFrequency (kHz)	20 dB Bandwidth (kHz)
120	0.030
145	0.025
328	0.064
360	0.043



CH00

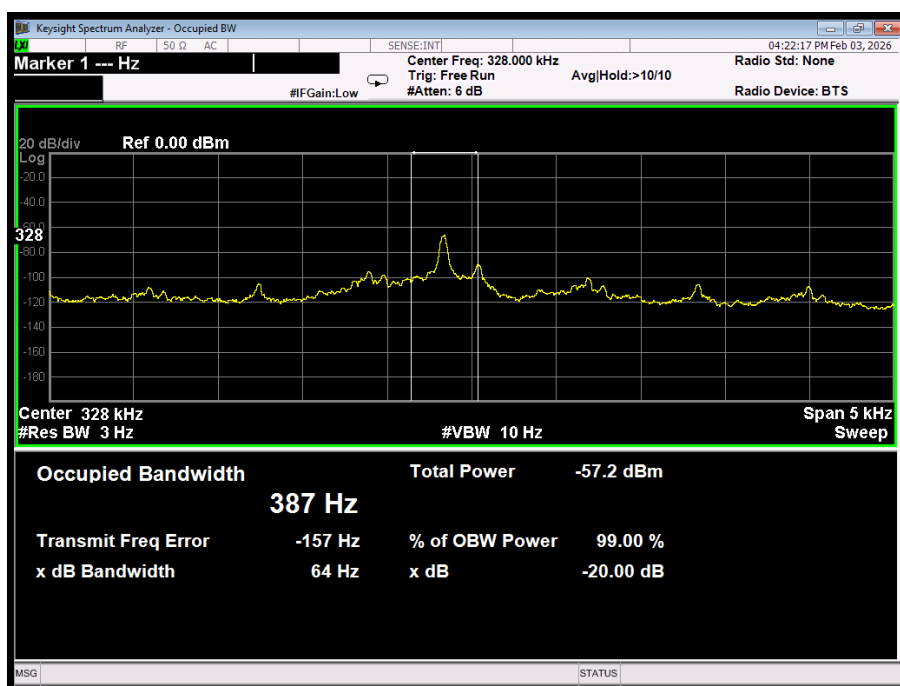


CH01

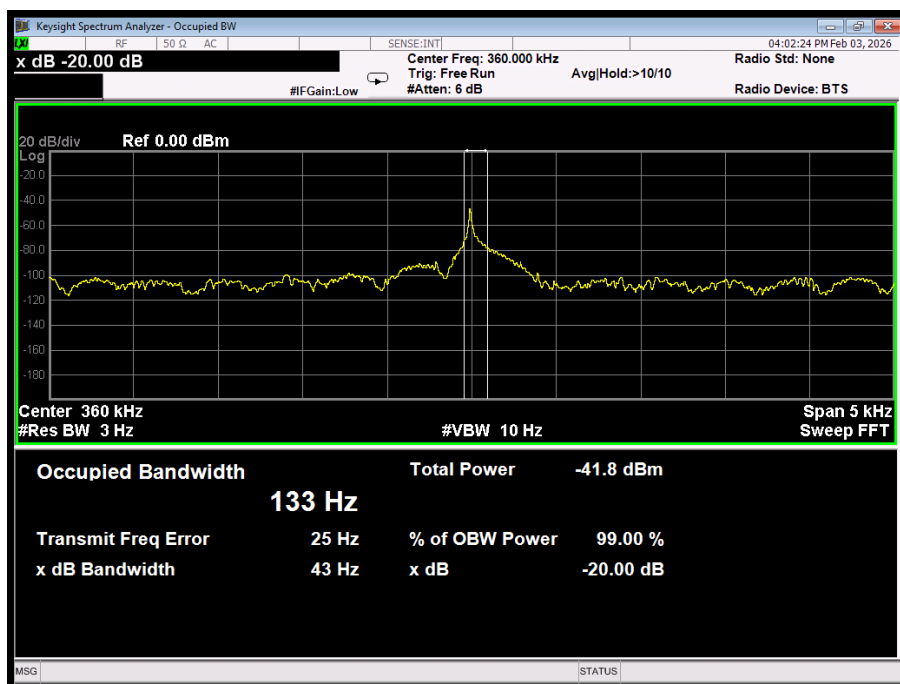




CH02



CH03





APPENDIX I - PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS

Note: Please see the attached MC01_EUT Photos.

※※※※※END OF THE REPORT※※※※※