



RF TEST REPORT

Product Name: Thinklite TTL Camera Flash

Model Number: TT350II S, TT350II C, TT350II N, TT350II F, TT350II O

FCC ID: 2ABYN162

Issued For : GODOX PHOTO EQUIPMENT CO.LTD
1st to 4th Floor, Building 2/1st to 4th Floor, Building
4 ,Yaochuan Industrial Zone, Tangwei Community, Fuhai
Street, Baoan District, Shenzhen, 518103 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: LGT26G143RF01

Sample Received Date: Jul. 22, 2026

Date of Test: Jul. 22, 2026 ~ Aug. 07, 2026

Date of Issue: Aug. 07, 2026

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TEST REPORT CERTIFICATION

Applicant: GODOX PHOTO EQUIPMENT CO.LTD
Address: 1st to 4th Floor, Building 2/1st to 4th Floor, Building 4 ,Yaochuan Industrial Zone, Tangwei Community, Fuhai Street, Baoan District, Shenzhen, 518103 China

Manufacturer: GODOX Photo Equipment Co.,Ltd.
Address: Factory Buildings 1, 2, 3, and 4, Yaochuan Industrial Zone, Tangwei Community, Fuhai Subdistrict, Bao'an District, Shenzhen,Guangdong, China

Product Name: Thinklite TTL Camera Flash

Trademark: 

Model Number: TT350II S, TT350II C, TT350II N, TT350II F, TT350II O

Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part 15.249, Subpart C ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	PASS

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Technical Director





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Revision History

Rev.	Issue Date	Revisions
00	Aug. 07, 2026	Initial Issue



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part 15.249, Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	N/A	--
15.249	Radiated Spurious Emission	PASS	--
15.205	Restricted Band Edge Emission	PASS	--
15.215	20dB Bandwidth	PASS	--
15.203	Antenna Requirement	PASS	--

NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report.
- (2) All tests are according to ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024.



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	Occupied Channel Bandwidth	$\pm 0.46\%$
2	RF Output Power, Conducted	$\pm 0.71\text{dB}$
3	Power Spectral Density, Conducted	$\pm 1.57\text{dB}$
4	Unwanted Emission, Conducted	$\pm 0.63\text{dB}$
5	Conducted emission	$\pm 2.80\text{dB}$
6	All Emissions, Radiated (0.009-30MHz)	$\pm 2.16\text{dB}$
7	All Emissions, Radiated (30MHz-1GHz)	$\pm 4.61\text{dB}$
8	All Emissions, Radiated (1GHz-18GHz)	$\pm 5.49\text{dB}$
9	All Emissions, Radiated (18GHz-40GHz)	$\pm 4.31\text{dB}$

Note: The measurement uncertainty is not included in the test result.



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	Thinklite TTL Camera Flash	
Test Model Number:	TT350II S	
Series Number:	TT350II C, TT350II N, TT350II F, TT350II O	
Model Difference:	The bottom hot boots are different.	
Product Description:	Operation Frequency:	2412.999634~2464.499756 MHz
	Modulation Type:	MSK
	Number Of Channel:	32CH
	Antenna Type:	Chip Antenna
	Antenna Gain (dBi):	0.9
Rating:	Input: DC 3V	
Battery:	Rated Voltage: 1.5V AA*2	
Hardware Version:	20260415E01	
Software Version:	V1.0	
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 to 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. All models have been tested, only the worst-case model TT350II S was recorded in this report.

4.

Channel List					
Channel	Frequency (GHz)	Channel	Frequency (GHz)	Channel	Frequency (GHz)
1	2412.999634	12	2431.749816	23	2449.499847
2	2414.499664	13	2432.999908	24	2451.749695
3	2415.999695	14	2434.499939	25	2452.999786
4	2418.000000	15	2436.249908	26	2454.499817
5	2419.499634	16	2437.999878	27	2456.749664
6	2420.999664	17	2439.499908	28	2457.999756
7	2422.999969	18	2441.749756	29	2459.499786
8	2424.500000	19	2442.999847	30	2461.749634
9	2426.749847	20	2444.499878	31	2462.999725
10	2427.999939	21	2446.749725	32	2464.499756
11	2429.499969	22	2447.999817	-	-



2.2 DESCRIPTION OF THE TEST MODES

For conducted test items and radiated spurious emissions
Each of these EUT operation mode(s) or test configuration mode(s) mentioned below was evaluated respectively.

Worst Mode	Description	Data/Modulation
Mode 1	TX CH01(2412.999634MHz)	MSK
Mode 2	TX CH17(2439.499908MHz)	MSK
Mode 3	TX CH32(2464.499756MHz)	MSK

Note:

(1) All above mode has been measurement, only worst data was reported.

2.3 TEST SOFTWARE AND POWER LEVEL

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

Test software Version	Test program: 2.4G	
Engineering Mode	Mode Or Modulation type	Power setting
	1M	Default

2.4 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	S/N	Rating

Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Battery	NanFu	LR03 AA 1.5V	N/A	2pcs

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”.



2.5 EQUIPMENTS LIST

Radiated Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2026-03-02	2027-03-01
Active loop Antenna	ETS	6502	00049544	2025-03-11	2028-03-10
Spectrum Analyzer	Keysight	N9010B	MY60242508	2026-03-03	2027-03-02
Trilog Broadband Antenna (30M-1G)	SCHWARZBECK	VULB 9168	2705	2024-05-17	2027-05-16
Horn Antenna(1-18G)	SCHWARZBECK	3115	10SL0060	2025-03-10	2028-03-09
Horn Antenna(18-40G)	SCHWARZBECK	BBHA 9170	685	2023-10-23	2026-10-22
Pre-amplifier(30M-1G)	EMtrace	RP01A	02019	2026-03-02	2027-03-01
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2026-03-02	2027-03-01
Pre-amplifier(18-40G)	SCHWARZBECK	BBV 9721	9721-019	2025-10-20	2026-10-19
Coaxial cables (9kHz-1GHz)	Juncoax	JMR600 -NMNM-8M	N.A	2026-03-03	2027-03-02
Coaxial cables (1GHz-18GHz)	TaiHe	UCD460B -NMSM-1M9	N.A	2026-03-03	2027-03-02
Coaxial cables (18GHz-40GHz)	Junkosha Inc.	MWX241 -05000KMSK MS	N.A	2026-03-03	2027-03-02
Band 2.4G-2.5G Filter	SEKT	K6-2400-2500 - 10S4550-001	N.A	2026-03-08	2027-03-07
Antenna Tower	SAEMC	BK-4AT-BS-D	SK2021093008	N.A	N.A
Temperature & Humidity Testing Software	JINGCHUANG	BT-3	N.A	2026-03-05	2027-03-04
EMC-I_V1.5.0.16_SKET					

RF Conducted Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
Signal Analyzer	Keysight	N9020A	MY50530994	2026-03-03	2027-03-02
Power Sensor	R&S	NRP8S	104963	2026-03-02	2027-03-01
RF Automatic Test system	TST	TST PASS	293	2026-07-14	2027-07-13
MXG Vector Signal Generator	Keysight	N5182B	MY59100717	2026-03-03	2027-03-02
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2025-07-30 2026-07-29	2026-07-29 2027-07-28
Attenuator	eastsheep	90db	N.A	2026-03-02	2027-03-01
Temperature & Humidity Digital multimeter	JINGCHUANG	BT-3	N.A	2026-03-05	2027-03-04
	FLUKE	F101	N.A	2026-03-03	2027-03-02
DC source	Keysight	E3634A	MY58036468	2026-03-05	2027-03-04
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

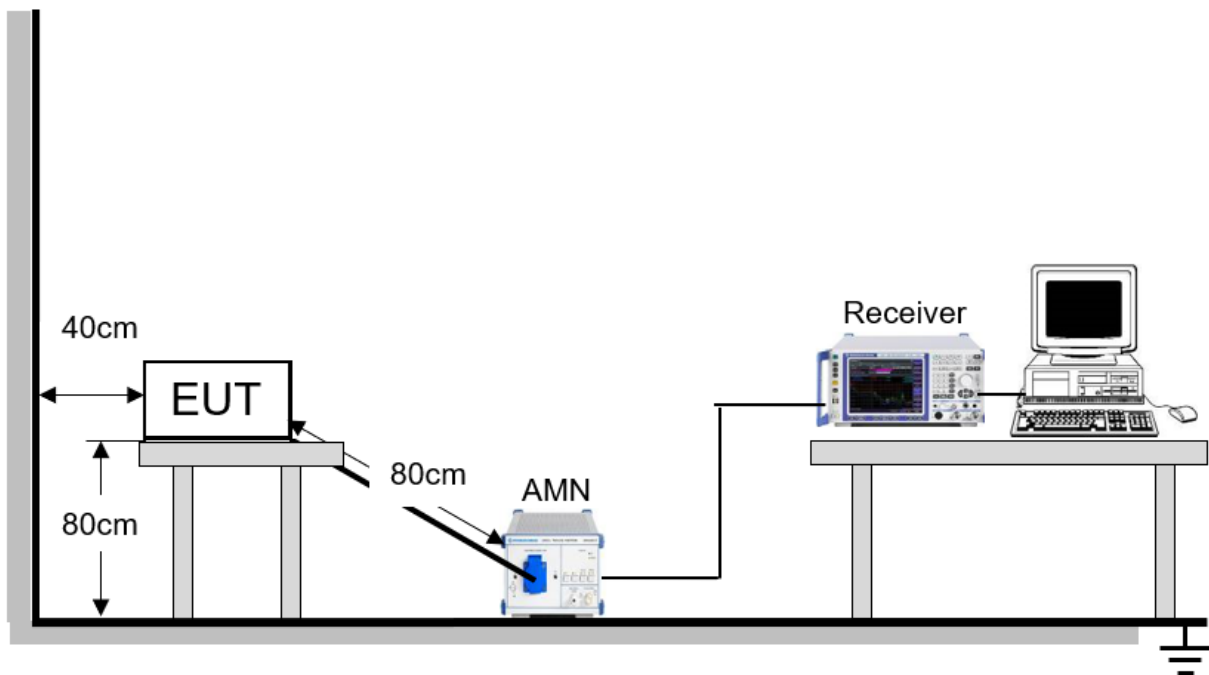
Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz



3.2 TEST PROCEDURE

- a. 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.
- 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 is at least 80 cm from the nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.3 TEST SETUP



3.4 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.

3.5 TEST RESULTS

N/A



4. RADIATED EMISSION MEASUREMENT

4.1 RADIATED EMISSION LIMITS

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on Part 15.249, Part 15.209(a) limit in the table below has to be followed.

Standard FCC 15.209

Frequencies (MHz)	Field Strength (micovolts/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
960~1000	500	3
Above 1000	Other:74.0 dB(μ V)/m (Peak) 54.0 dB(μ V)/m (Average)	3

Standard FCC 15.249

Frequency of Emission (MHz)	Field Strength of fundamental (millivolts /meter)	Field Strength of Harmonics (microvolts/meter)
900~928	50	500
2400~2483.5	50	500
5725~5875	50	500
24000~242500	250	2500

Notes:

- (1) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

Spectrum Parameter	Setting
Detector	Peak/AV
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB (emission in restricted band)	>20BW
VB (emission in restricted band)	=3xRB



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

4.2 TEST PROCEDURE

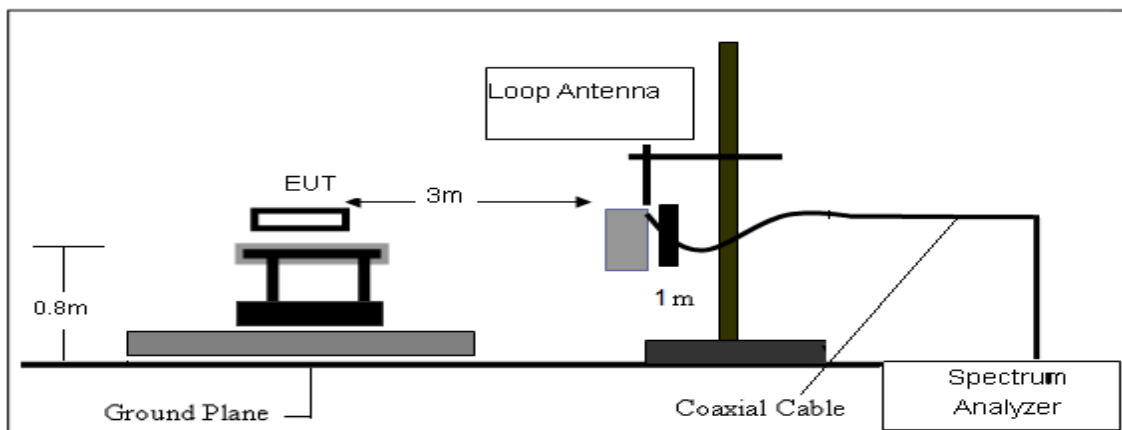
- The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- The EUT was placed on the top of a rotating table 0.8 m (above 1GHz is 1.5 m) above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree to determine the position of the highest radiation.
- The height of the equipment shall be 0.8 m(above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarization of the antenna are set to make the measurement.
- 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 QuasiPeak detector mode will be re-measured.
- If the Peak Mode measured value is compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and no additional QP Mode measurement was performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

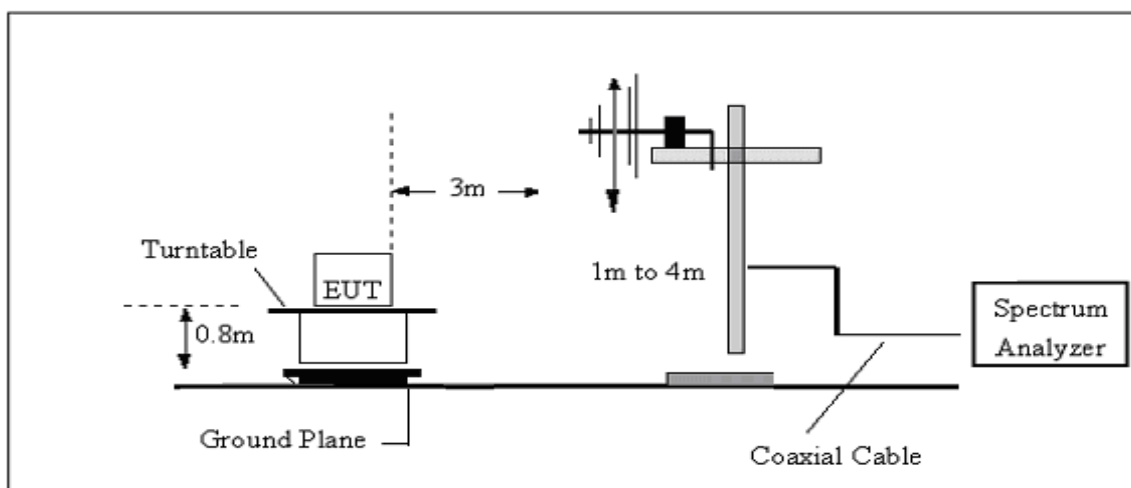
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

4.3 TEST SETUP

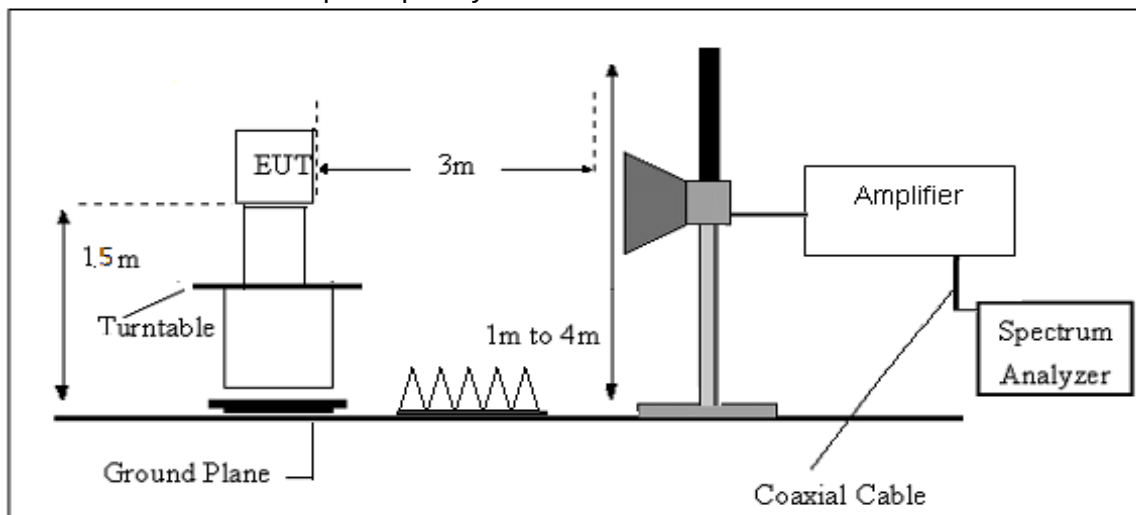
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



(C) Radiated Emission Test-Up Frequency Above 1GHz



4.4 EUT OPERATING CONDITIONS

Please refer to section 3.4 of this report.



4.5 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where

FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

For example

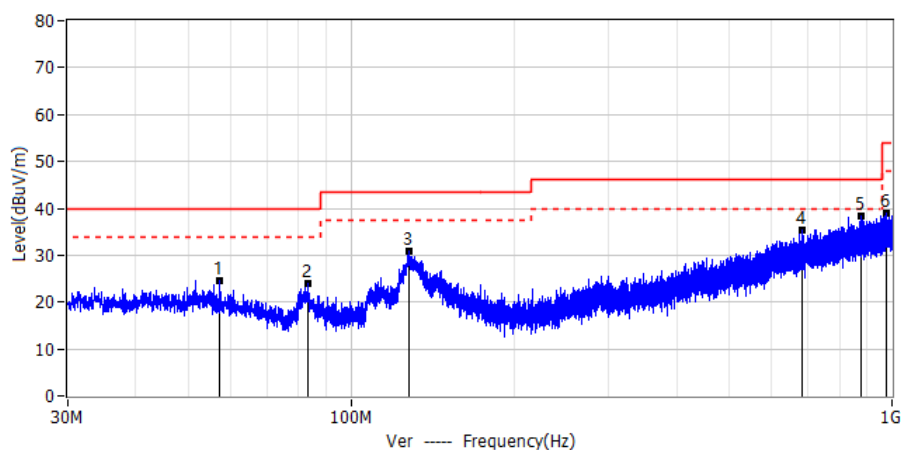
Frequency	FS	RA	AF	CL	AG	Factor
(MHz)	(dB μ V/m)	(dB μ V/m)	(dB)	(dB)	(dB)	(dB)
300	40	58.1	12.2	1.6	31.9	-18.1

$$\text{Factor} = \text{AF} + \text{CL} - \text{AG}$$

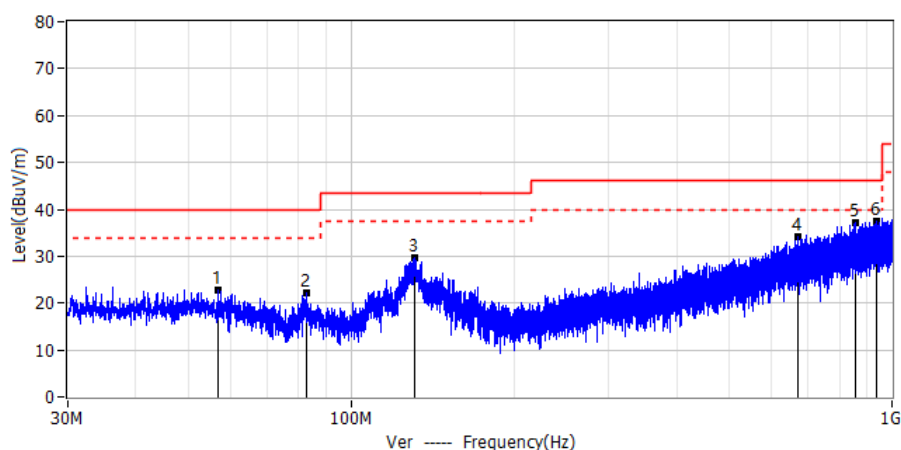


4.6 TEST RESULTS

Project: LGT26G143	Test Engineer: zhangchengxiang
EUT: Thinklite TTL Camera Flash	Temperature: 24.4°C
M/N: TT350II S	Humidity: 51%RH
Test Voltage: DC 3V	Test Date: 2026-08-01
Test Mode: 2.4G TX	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	57.110	4.17	20.28	24.45	40.00	-15.55	QP	Hor
2*	83.176	7.17	16.69	23.86	40.00	-16.14	QP	Hor
3*	128.144	10.50	20.49	30.99	43.50	-12.51	QP	Hor
4*	683.581	4.63	30.70	35.33	46.00	-10.67	QP	Hor
5*	879.123	4.26	34.16	38.42	46.00	-7.58	QP	Hor
6*	977.516	3.87	35.04	38.91	54.00	-15.09	QP	Hor

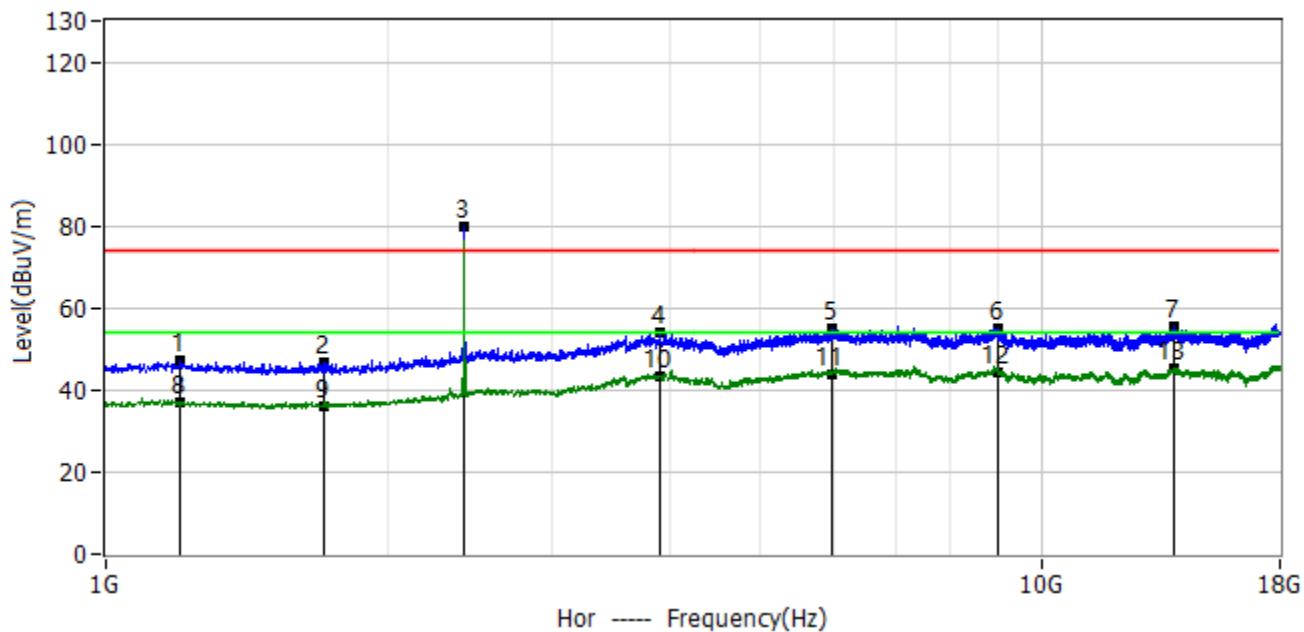


No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	57.011	2.46	20.32	22.78	40.00	-17.22	QP	Ver
2*	82.678	5.43	16.69	22.12	40.00	-17.88	QP	Ver
3*	131.527	8.68	20.91	29.59	43.50	-13.91	QP	Ver
4*	670.200	3.63	30.43	34.06	46.00	-11.94	QP	Ver
5*	854.152	3.54	33.72	37.26	46.00	-8.74	QP	Ver
6*	936.378	3.01	34.42	37.43	46.00	-8.57	QP	Ver



Above 1G Radiation Spurious

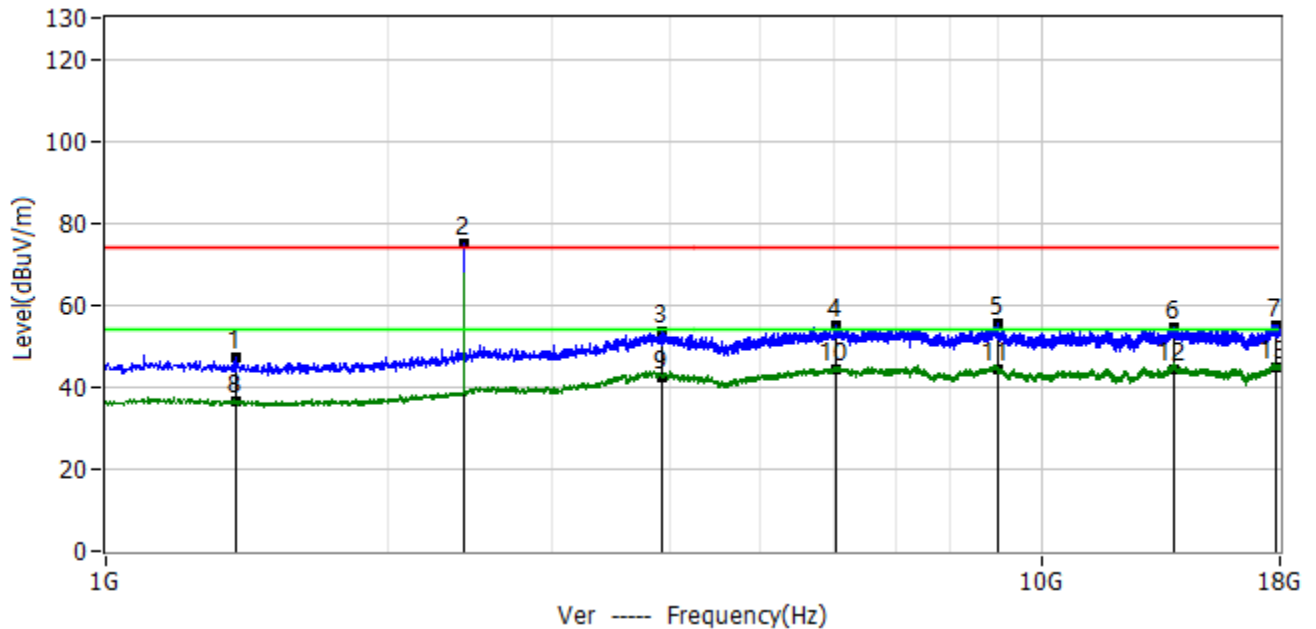
Project: LGT26G143	Test Engineer: zhangchengxiang
EUT: Thinklite TTL Camera Flash	Temperature: 24.7°C
M/N: TT350II S	Humidity: 47%RH
Test Voltage: Battery	Test Date: 2026-08-06
Test Mode: 2412.999634	
Note:	



No.	Frequency	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.2019GHz	64.36	-17.24	47.12	74.00	-26.88	PK	Hor
2*	1.7097GHz	62.63	-15.77	46.86	74.00	-27.14	PK	Hor
3*	2.4131GHz	89.31	-9.66	79.65	114.00	-34.35	PK	Hor
4*	3.9049GHz	56.92	-2.73	54.19	74.00	-19.81	PK	Hor
5*	5.9725GHz	59.84	-4.97	54.87	74.00	-19.13	PK	Hor
6*	8.9836GHz	60.57	-5.63	54.94	74.00	-19.06	PK	Hor
7*	13.8690GHz	59.85	-4.17	55.68	74.00	-18.32	PK	Hor
8*	1.2019GHz	54.04	-17.24	36.80	54.00	-17.2	AV	Hor
9*	1.7097GHz	51.87	-15.77	36.10	54.00	-17.9	AV	Hor
10*	3.9049GHz	46.13	-2.73	43.40	54.00	-10.6	AV	Hor
11*	5.9725GHz	48.67	-4.97	43.70	54.00	-10.3	AV	Hor
12*	8.9836GHz	50.03	-5.63	44.40	54.00	-9.6	AV	Hor
13*	13.8690GHz	49.37	-4.17	45.20	54.00	-8.8	AV	Hor



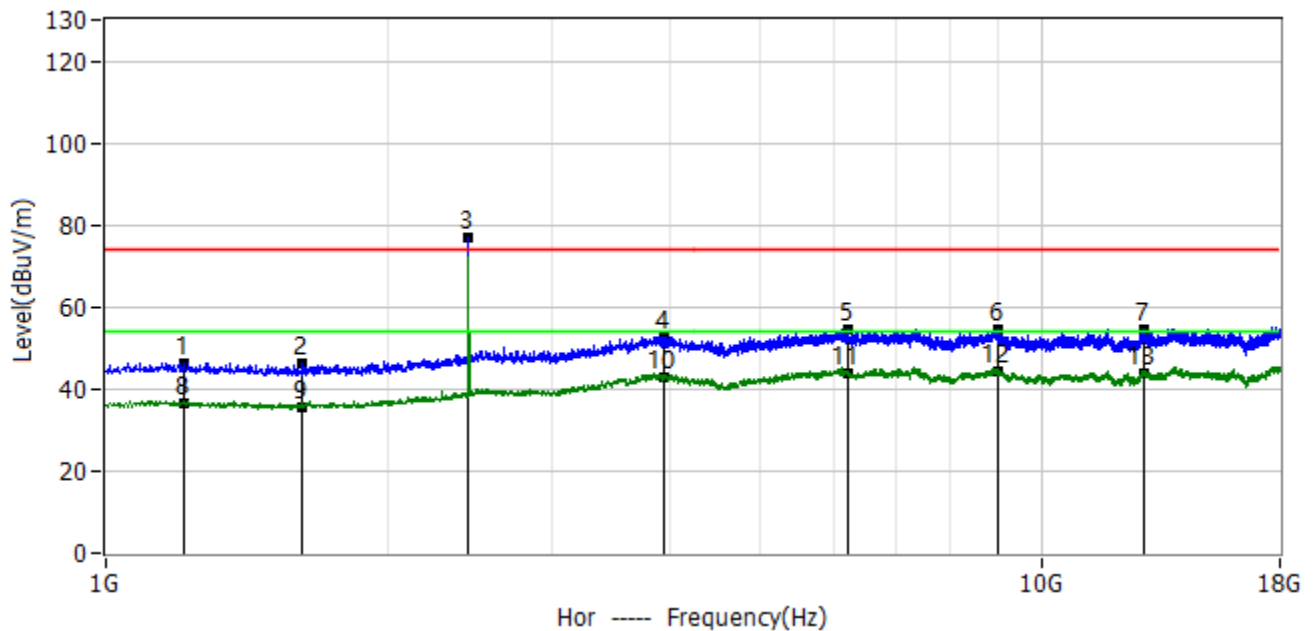
Project: LGT26G143	Test Engineer: zhangchengxiang
EUT: Thinklite TTL Camera Flash	Temperature: 24.7°C
M/N: TT350II S	Humidity: 47%RH
Test Voltage: Battery	Test Date: 2026-08-06
Test Mode:2412.999634	
Note:	



No.	Frequency	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.3740GHz	64.17	-17.15	47.02	74.00	-26.98	PK	Ver
2*	2.4131GHz	84.80	-9.66	75.14	114.00	-38.86	PK	Ver
3*	3.9240GHz	56.50	-2.78	53.72	74.00	-20.28	PK	Ver
4*	6.0341GHz	60.28	-5.04	55.24	74.00	-18.76	PK	Ver
5*	8.9687GHz	60.94	-5.66	55.28	74.00	-18.72	PK	Ver
6*	13.8902GHz	58.81	-4.13	54.68	74.00	-19.32	PK	Ver
7*	17.7960GHz	59.41	-4.25	55.16	74.00	-18.84	PK	Ver
8*	1.3740GHz	53.45	-17.15	36.30	54.00	-17.70	AV	Ver
9*	3.9240GHz	45.18	-2.78	42.40	54.00	-11.60	AV	Ver
10*	6.0341GHz	49.34	-5.04	44.30	54.00	-9.70	AV	Ver
11*	8.9687GHz	49.96	-5.66	44.30	54.00	-9.70	AV	Ver
12*	13.8902GHz	48.53	-4.13	44.40	54.00	-9.60	AV	Ver
13*	17.7960GHz	49.15	-4.25	44.90	54.00	-9.10	AV	Ver



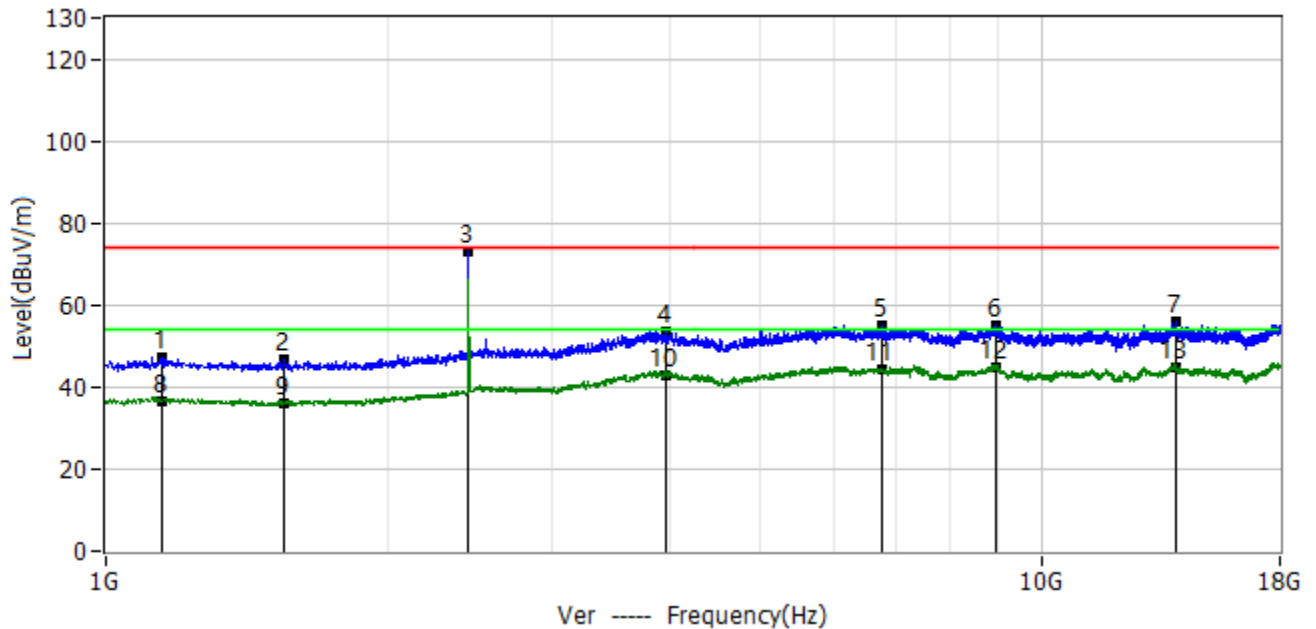
Project: LGT26G143	Test Engineer: zhangchengxiang
EUT: Thinklite TTL Camera Flash	Temperature: 24.7°C
M/N: TT350II S	Humidity: 47%RH
Test Voltage: Battery	Test Date: 2026-08-06
Test Mode:2439.499908	
Note:	



No.	Frequency	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.2104GHz	63.75	-17.26	46.49	74.00	-27.51	PK	Hor
2*	1.6184GHz	62.20	-16.10	46.10	74.00	-27.90	PK	Hor
3*	2.4407GHz	86.20	-9.36	76.84	114.00	-37.16	PK	Hor
4*	3.9495GHz	55.61	-2.85	52.76	74.00	-21.24	PK	Hor
5*	6.2126GHz	59.64	-5.02	54.62	74.00	-19.38	PK	Hor
6*	8.9730GHz	60.11	-5.65	54.46	74.00	-19.54	PK	Hor
7*	12.8957GHz	60.50	-5.81	54.69	74.00	-19.31	PK	Hor
8*	1.2104GHz	53.56	-17.26	36.30	54.00	-17.70	AV	Hor
9*	1.6184GHz	51.70	-16.10	35.60	54.00	-18.40	AV	Hor
10*	3.9495GHz	45.65	-2.85	42.80	54.00	-11.20	AV	Hor
11*	6.2126GHz	48.82	-5.02	43.80	54.00	-10.20	AV	Hor
12*	8.9730GHz	50.05	-5.65	44.40	54.00	-9.60	AV	Hor
13*	12.8957GHz	49.51	-5.81	43.70	54.00	-10.30	AV	Hor



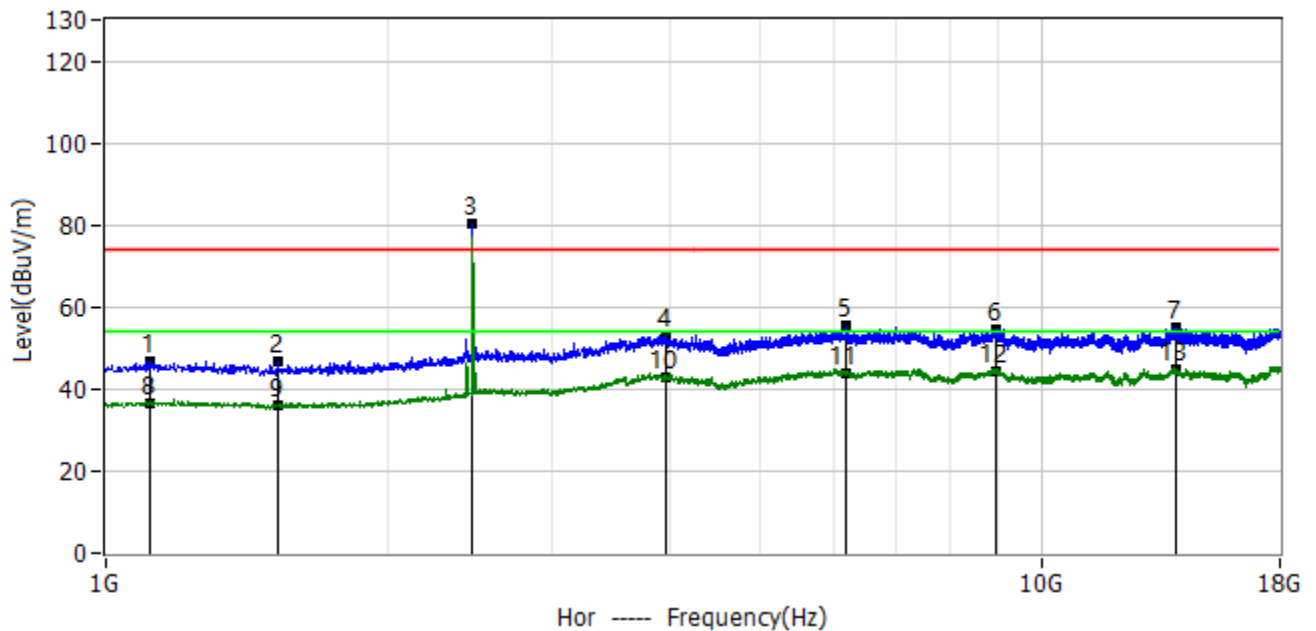
Project: LGT26G143	Test Engineer: zhangchengxiang
EUT: Thinklite TTL Camera Flash	Temperature: 24.7°C
M/N: TT350II S	Humidity: 47%RH
Test Voltage: Battery	Test Date: 2026-08-06
Test Mode:2439.499908	
Note:	



No.	Frequency	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.1466GHz	64.81	-17.44	47.37	74.00	-26.63	PK	Ver
2*	1.5504GHz	63.21	-16.59	46.62	74.00	-27.38	PK	Ver
3*	2.4407GHz	82.56	-9.36	73.20	114.00	-40.80	PK	Ver
4*	3.9750GHz	56.68	-2.97	53.71	74.00	-20.29	PK	Ver
5*	6.7439GHz	60.59	-5.37	55.22	74.00	-18.78	PK	Ver
6*	8.9624GHz	60.54	-5.67	54.87	74.00	-19.13	PK	Ver
7*	13.9370GHz	60.19	-4.18	56.01	74.00	-17.99	PK	Ver
8*	1.1466GHz	54.04	-17.44	36.60	54.00	-17.40	AV	Ver
9*	1.5504GHz	52.79	-16.59	36.20	54.00	-17.80	AV	Ver
10*	3.9750GHz	45.87	-2.97	42.90	54.00	-11.10	AV	Ver
11*	6.7439GHz	49.47	-5.37	44.10	54.00	-9.90	AV	Ver
12*	8.9624GHz	50.57	-5.67	44.90	54.00	-9.10	AV	Ver
13*	13.9370GHz	49.08	-4.18	44.90	54.00	-9.10	AV	Ver



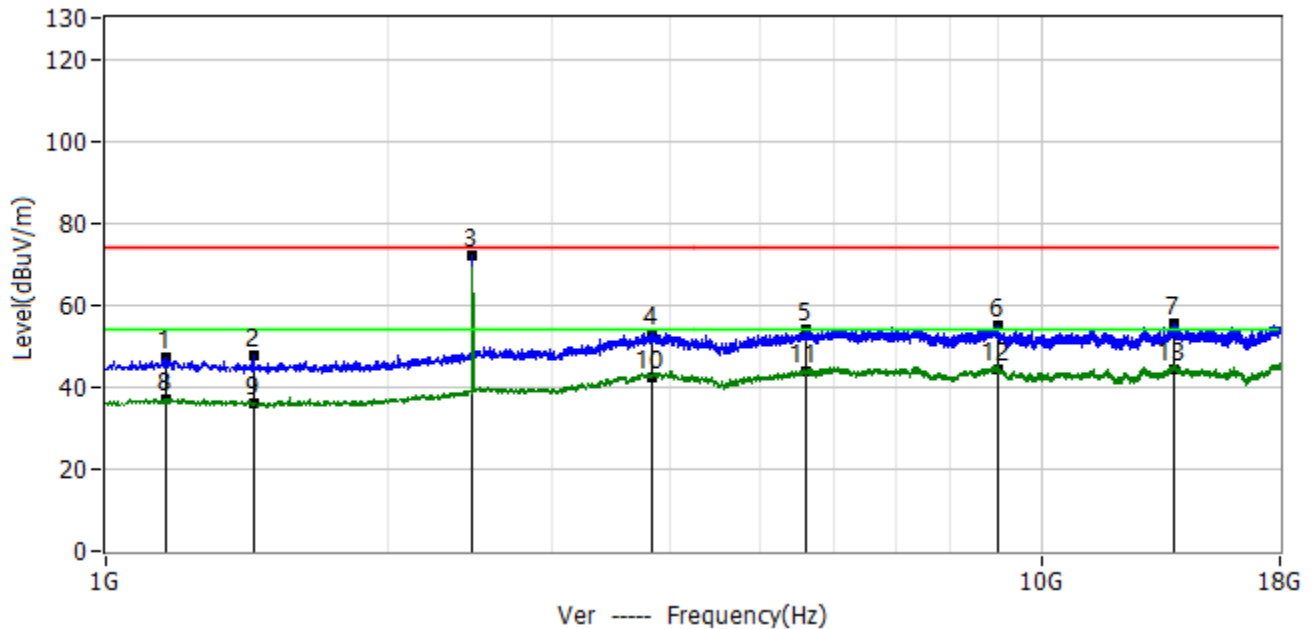
Project: LGT26G143	Test Engineer: zhangchengxiang
EUT: Thinklite TTL Camera Flash	Temperature: 24.7°C
M/N: TT350II S	Humidity: 47%RH
Test Voltage: Battery	Test Date: 2026-08-06
Test Mode: 2464.499756	
Note:	



No.	Frequency	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.1147GHz	64.26	-17.51	46.75	74.00	-27.25	PK	Hor
2*	1.5249GHz	63.53	-16.82	46.71	74.00	-27.29	PK	Hor
3*	2.4641GHz	89.33	-9.01	80.32	114.00	-33.68	PK	Hor
4*	3.9686GHz	56.11	-2.94	53.17	74.00	-20.83	PK	Hor
5*	6.1786GHz	60.29	-4.97	55.32	74.00	-18.68	PK	Hor
6*	8.9326GHz	60.36	-5.76	54.60	74.00	-19.40	PK	Hor
7*	13.9200GHz	59.17	-4.15	55.02	74.00	-18.98	PK	Hor
8*	1.1147GHz	53.81	-17.51	36.30	54.00	-17.70	AV	Hor
9*	1.5249GHz	52.62	-16.82	35.80	54.00	-18.20	AV	Hor
10*	3.9686GHz	45.94	-2.94	43.00	54.00	-11.00	AV	Hor
11*	6.1786GHz	48.87	-4.97	43.90	54.00	-10.10	AV	Hor
12*	8.9326GHz	50.26	-5.76	44.50	54.00	-9.50	AV	Hor
13*	13.9200GHz	48.85	-4.15	44.70	54.00	-9.30	AV	Hor



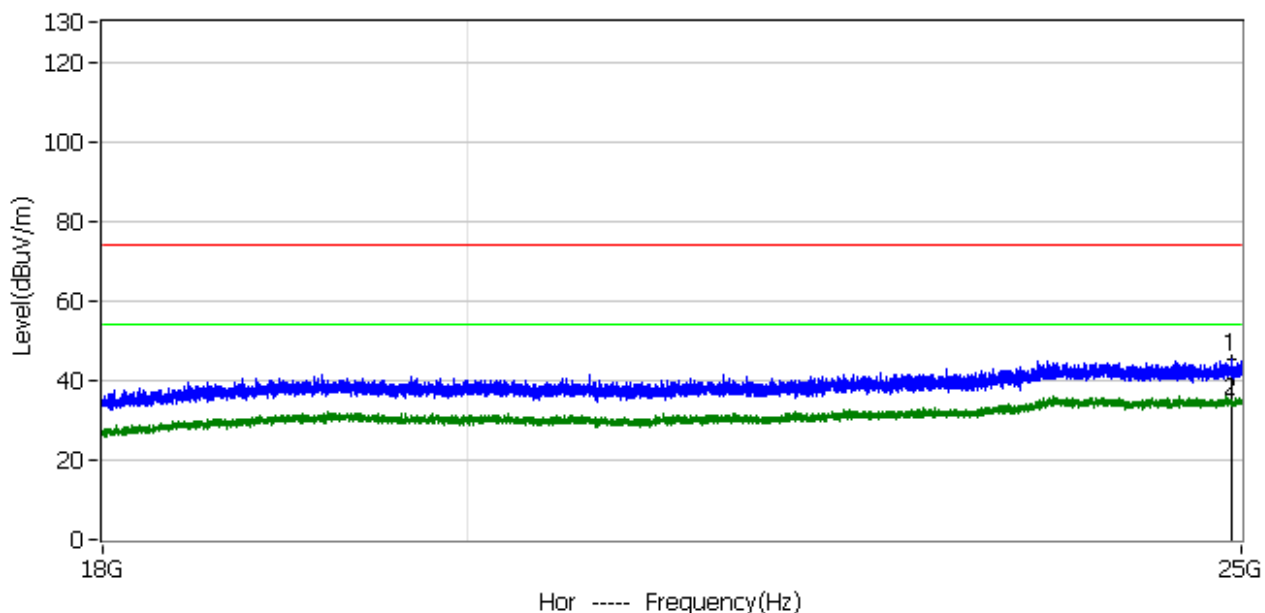
Project: LGT26G143	Test Engineer: zhangchengxiang
EUT: Thinklite TTL Camera Flash	Temperature: 24.7°C
M/N: TT350II S	Humidity: 47%RH
Test Voltage: Battery	Test Date: 2026-08-06
Test Mode:2464.499756	
Note:	



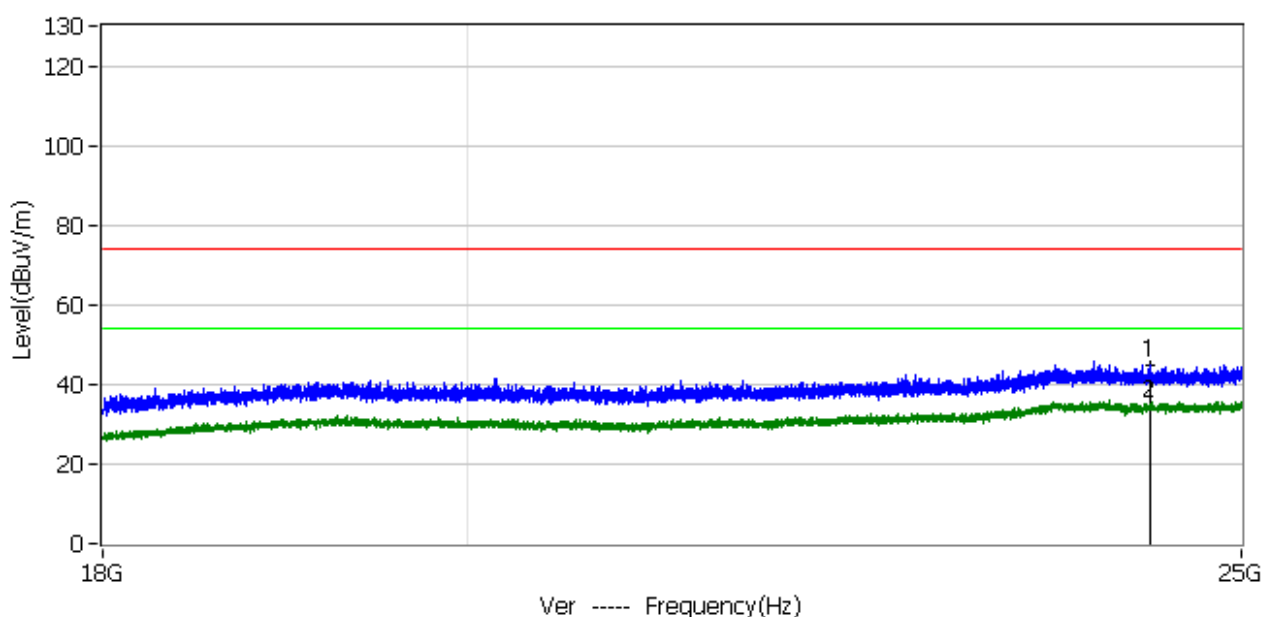
No.	Frequency	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.1615GHz	64.61	-17.39	47.22	74.00	-26.78	PK	Ver
2*	1.4377GHz	64.79	-17.12	47.67	74.00	-26.33	PK	Ver
3*	2.4641GHz	81.23	-9.01	72.22	114.00	-41.78	PK	Ver
4*	3.8411GHz	55.88	-2.59	53.29	74.00	-20.71	PK	Ver
5*	5.6070GHz	58.82	-4.89	53.93	74.00	-20.07	PK	Ver
6*	8.9772GHz	60.45	-5.64	54.81	74.00	-19.19	PK	Ver
7*	13.8796GHz	59.45	-4.15	55.30	74.00	-18.70	PK	Ver
8*	1.1615GHz	54.19	-17.39	36.80	54.00	-17.20	AV	Ver
9*	1.4377GHz	53.02	-17.12	35.90	54.00	-18.10	AV	Ver
10*	3.8411GHz	45.09	-2.59	42.50	54.00	-11.50	AV	Ver
11*	5.6070GHz	48.49	-4.89	43.60	54.00	-10.40	AV	Ver
12*	8.9772GHz	50.04	-5.64	44.40	54.00	-9.60	AV	Ver
13*	13.8796GHz	48.65	-4.15	44.50	54.00	-9.50	AV	Ver



Project: LGT26G143	Test Engineer: zhangchengxiang
EUT: Thinklite TTL Camera Flash	Temperature: 24.7°C
M/N: iT30Pro II S	Humidity: 47%RH
Test Voltage: Battery	Test Date: 2026-08-06
Test Mode: 2412.999634	
Note:	



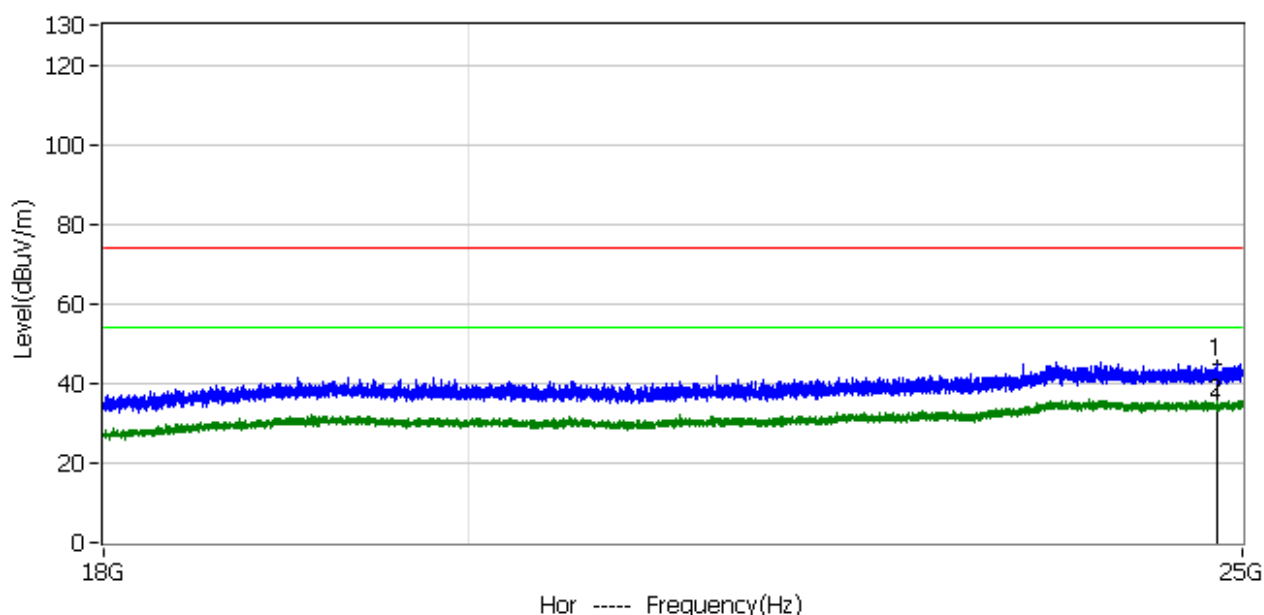
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	24.925GHz	33.27	11.85	45.12	74.00	-28.88	PK	Hor
2*	24.925GHz	22.25	11.85	34.10	54.00	-19.90	AV	Hor



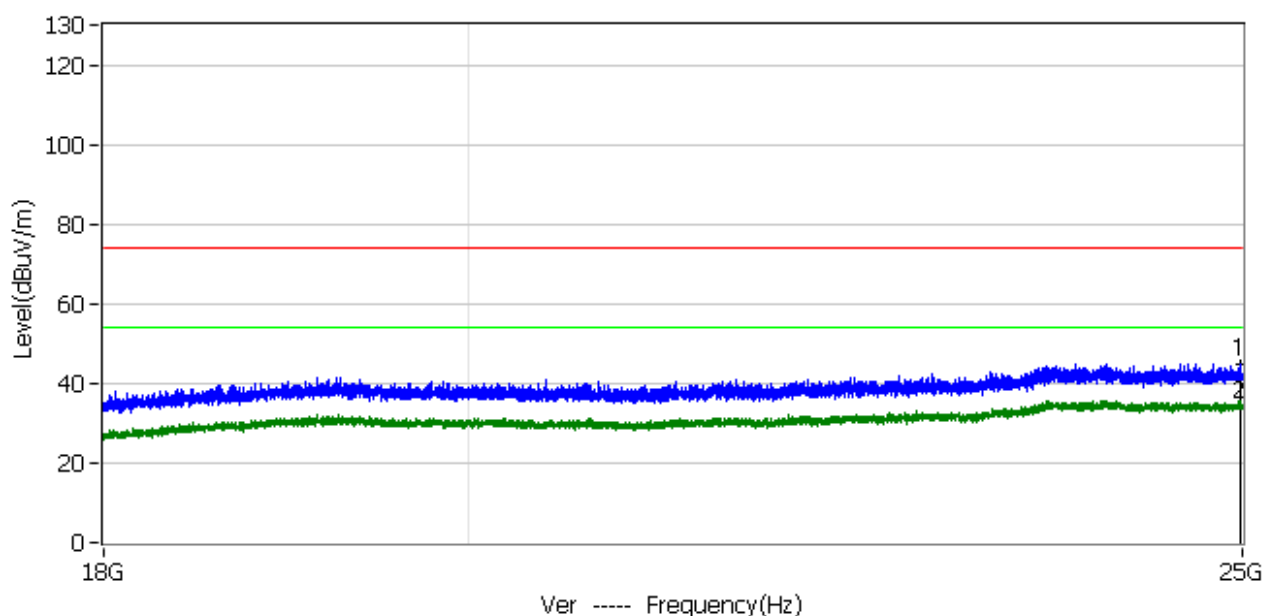
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	24.347GHz	33.58	11.43	45.01	74.00	-28.99	PK	Ver
2*	24.347GHz	23.27	11.43	34.70	54.00	-19.30	AV	Ver



Project: LGT26G143	Test Engineer: zhangchengxiang
EUT: Thinklite TTL Camera Flash	Temperature: 24.7°C
M/N: iT30Pro II S	Humidity: 47%RH
Test Voltage: Battery	Test Date: 2026-08-06
Test Mode: 2439.499908	
Note:	



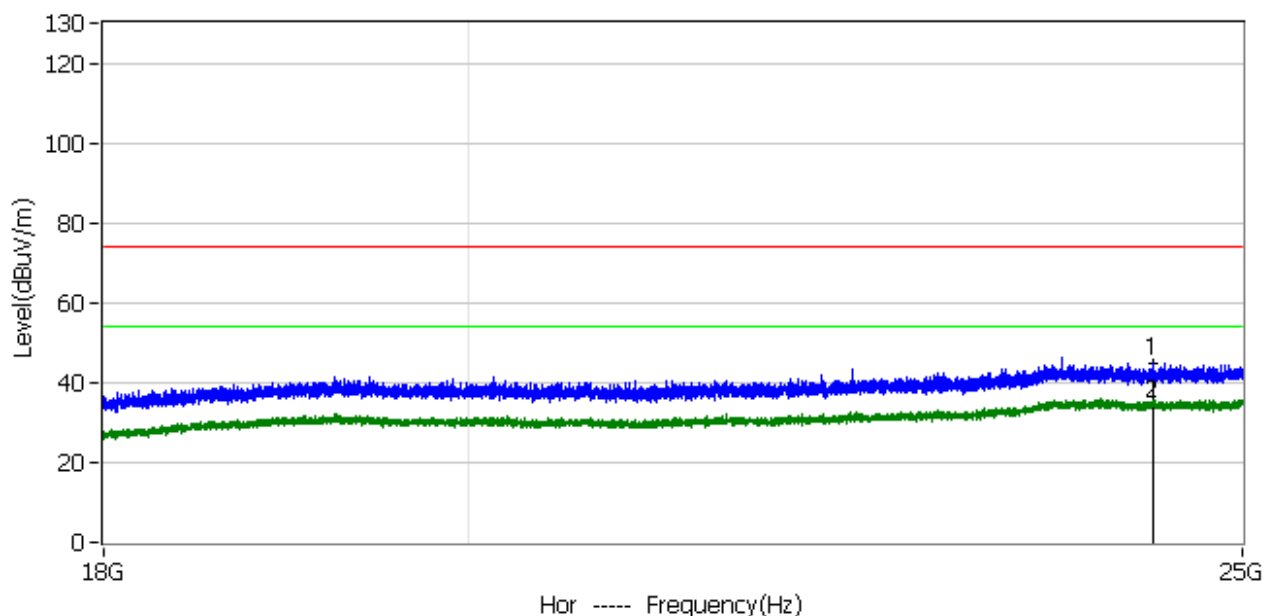
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	24.814GHz	33.13	11.80	44.93	74.00	-29.07	PK	Hor
2*	24.814GHz	22.90	11.80	34.70	54.00	-19.30	AV	Hor



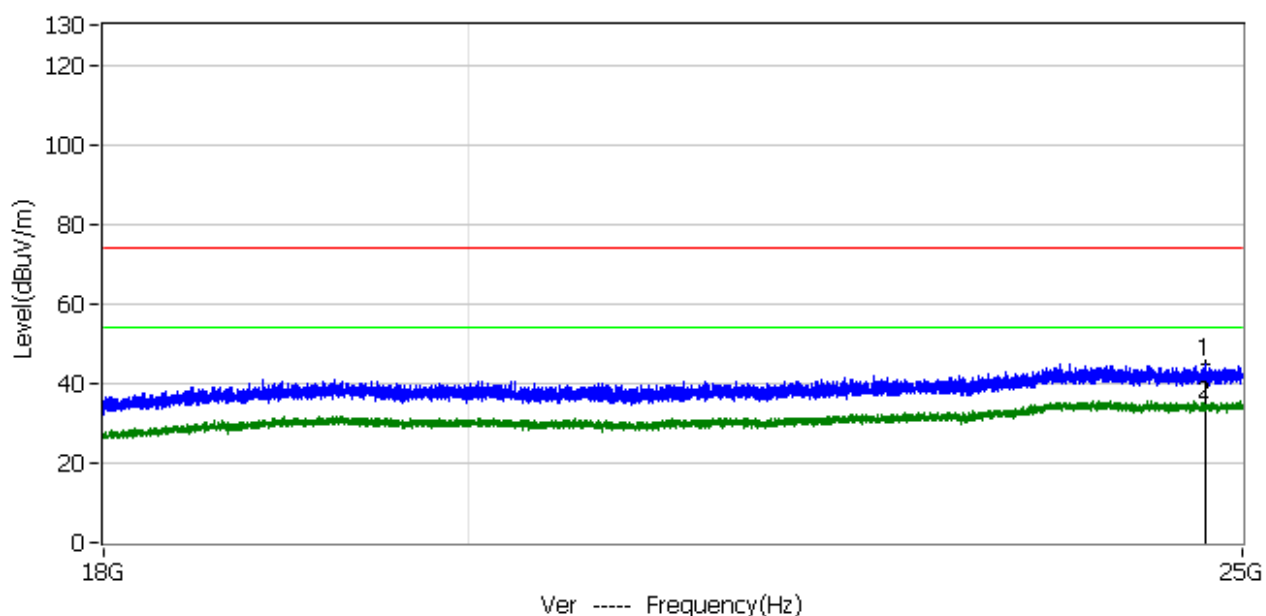
No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	24.983GHz	33.14	11.88	45.02	74.00	-28.98	PK	Ver
2*	24.983GHz	22.42	11.88	34.30	54.00	-19.70	AV	Ver



Project: LGT26G143	Test Engineer: zhangchengxiang
EUT: Thinklite TTL Camera Flash	Temperature: 24.7°C
M/N: iT30Pro II S	Humidity: 47%RH
Test Voltage: Battery	Test Date: 2026-08-06
Test Mode: 2464.499756	
Note:	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	24.365GHz	33.25	11.44	44.69	74.00	-29.31	PK	Hor
2*	24.365GHz	22.86	11.44	34.30	54.00	-19.70	AV	Hor

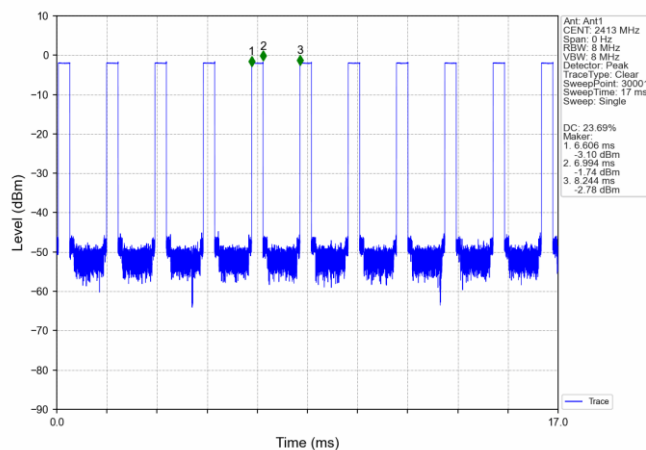


No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	24.741GHz	33.04	11.76	44.80	74.00	-29.20	PK	Ver
2*	24.741GHz	22.54	11.76	34.30	54.00	-19.70	AV	Ver

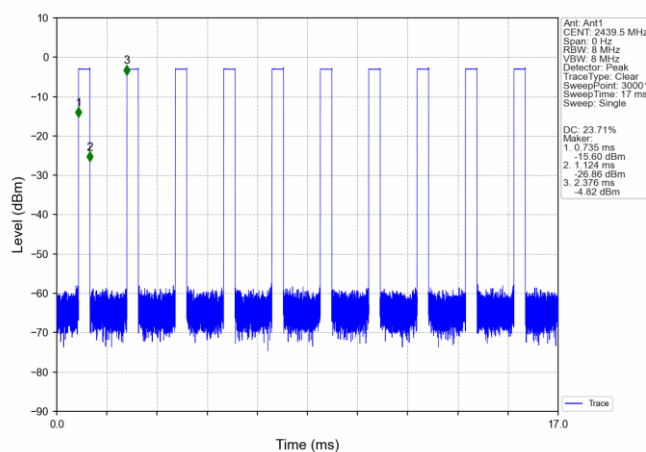


Duty cycle

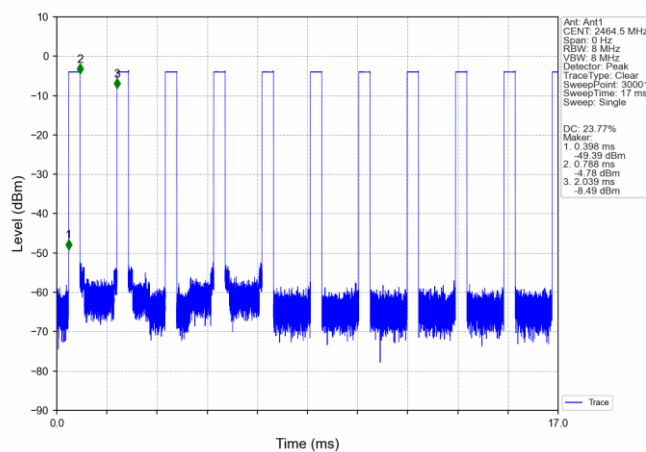
2.4G_1M_LCH_2412.999634MHz_Ant1_NTNV



2.4G_1M_MCH_2439.499908MHz_Ant1_NTNV



2.4G_1M_HCH_2464.499756MHz_Ant1_NTNV





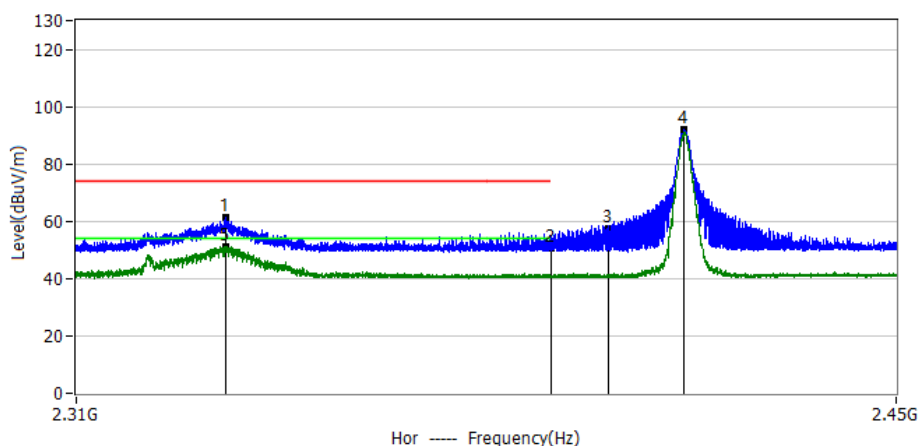
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	2.4G	2412.999634	Ant1	23.69	6.25	0.04
NVNT	2.4G	2439.499908	Ant1	23.71	6.25	0.04
NVNT	2.4G	2464.499756	Ant1	23.77	6.24	0.01

Note: Duty Factor=20*LOG(Ton/Tp)

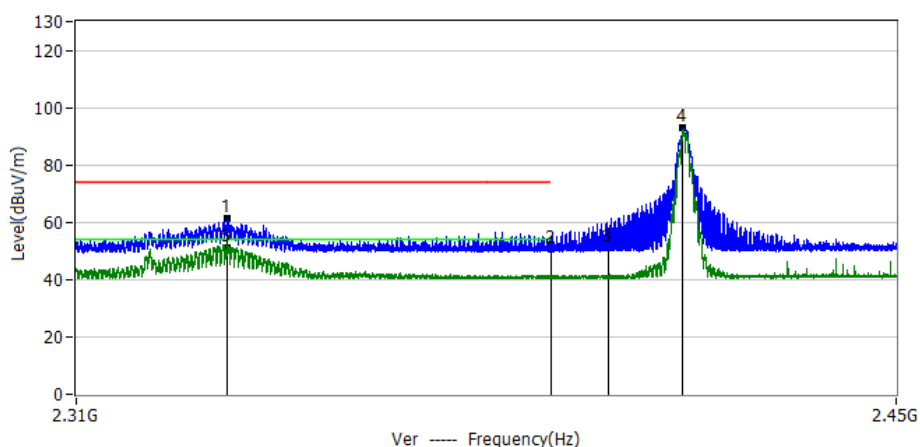


4.7 TEST RESULTS (BAND EDGE REQUIREMENTS)

Project: LGT26G143	Test Engineer: zhangchengxiang
EUT: Thinklite TTL Camera Flash	Temperature: 25.4°C
M/N: TT350II S	Humidity: 55%RH
Test Voltage: Battery	Test Date: 2026-08-05
Test Mode: 2412.999634MHz	
Note:	



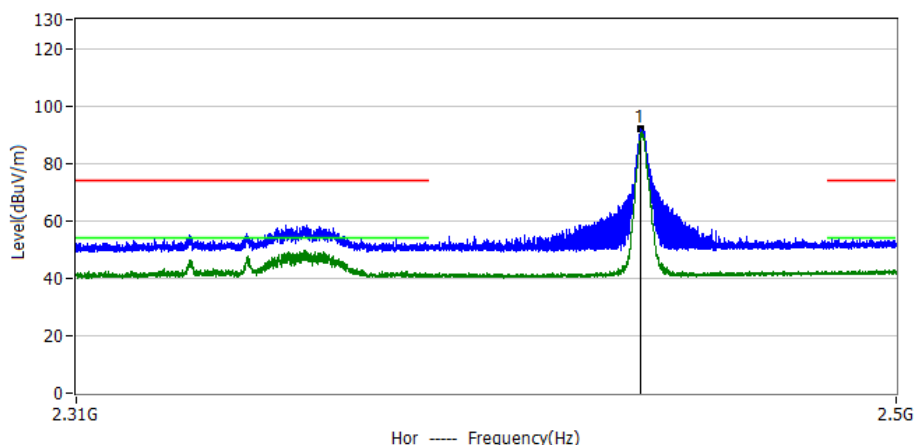
No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	2335.0000	26.02	35.29	61.31	74.00	-12.69	PK	Hor
2*	2390.0000	15.07	35.63	50.70	74.00	-23.30	PK	Hor
3*	2400.0000	21.91	35.69	57.60	NaN	NaN	PK	Hor
4*	2413.0000	56.03	35.76	91.79	114.00	-22.21	PK	Hor
5*	2335.0000	15.71	35.29	51.00	54.00	-3.00	AV	Hor



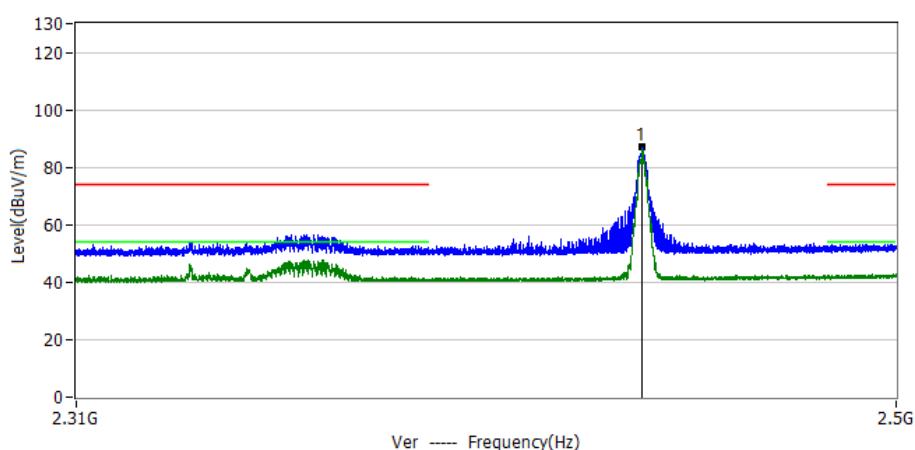
No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	2335.2000	26.21	35.29	61.50	74.00	-12.50	PK	Ver
2*	2390.0000	15.07	35.63	50.70	74.00	-23.30	PK	Ver
3*	2400.0000	15.51	35.69	51.20	NaN	NaN	PK	Ver
4*	2412.8000	57.13	35.76	92.89	114.00	-21.11	PK	Ver
5*	2335.2000	15.81	35.29	51.10	54.00	-2.90	AV	Ver



Project: LGT26G143	Test Engineer: zhangchengxiang
EUT: Thinklite TTL Camera Flash	Temperature: 25.4°C
M/N: TT350II S	Humidity: 55%RH
Test Voltage: Battery	Test Date: 2026-08-05
Test Mode: 2439.499908MHz	
Note:	



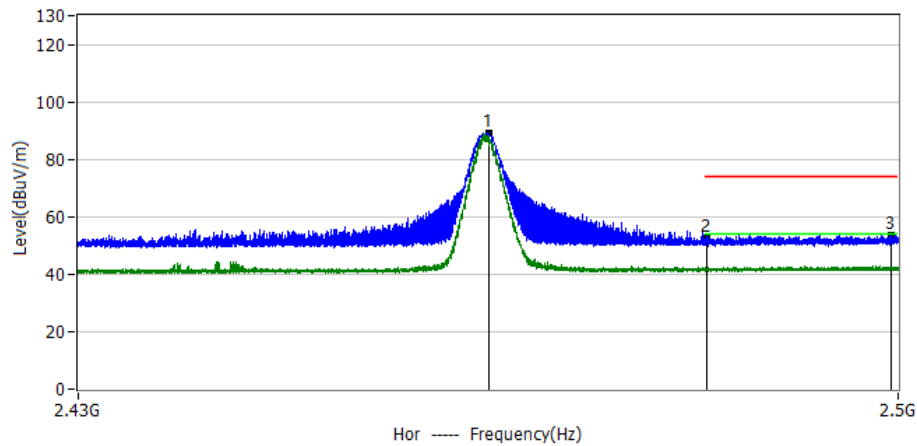
No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	2439.2000	55.89	35.91	91.8	114.00	-22.20	PK	Hor



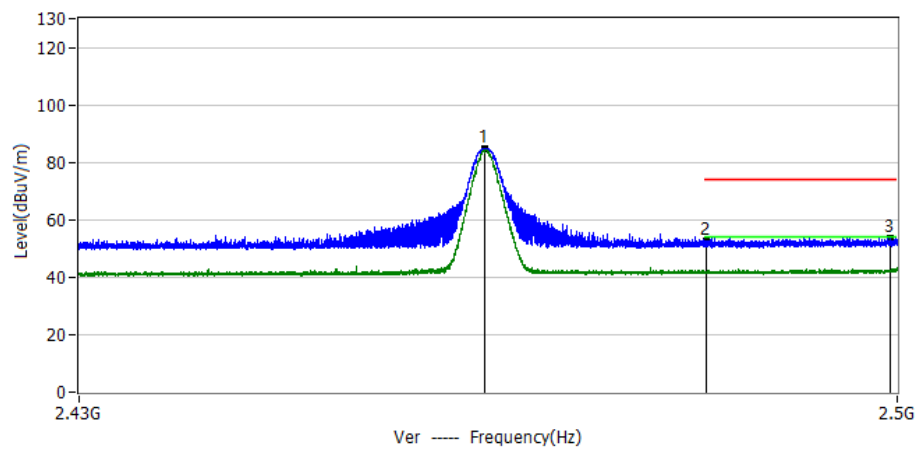
No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	2439.4000	51.37	35.91	87.28	114.00	-26.72	PK	Ver



Project: LGT26G143	Test Engineer: zhangchengxiang
EUT: Thinklite TTL Camera Flash	Temperature: 25.4°C
M/N: TT350II S	Humidity: 55%RH
Test Voltage: Battery	Test Date: 2026-08-05
Test Mode: 2464.499756MHz	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	2464.8000	52.97	36.14	89.11	114.00	-24.89	PK	Hor
2*	2483.5000	16.34	36.36	52.70	74.00	-21.30	PK	Hor
3*	2499.4000	17.12	36.55	53.67	74.00	-20.33	PK	Hor



No.	Frequency MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	2464.5000	48.76	36.14	84.9	114.00	-29.10	PK	Ver
2*	2483.5000	16.04	36.36	52.40	74.00	-21.60	PK	Ver
3*	2499.4000	17.23	36.55	53.78	74.00	-20.22	PK	Ver



4.8 TEST RESULTS (EIRP REQUIREMENTS)

Frequency (MHz)	Meter Reading (dBμV/m)	Detector	Corrected Factor (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polar
2413.00	57.60	PK	34.19	91.79	114.00	-22.21	H
2413.00	58.70	PK	34.19	92.89	114.00	-21.11	V
2439.50	57.49	PK	34.31	91.80	114.00	-22.20	H
2439.50	52.97	PK	34.31	87.28	114.00	-26.72	V
2464.50	54.69	PK	34.42	89.11	114.00	-24.89	H
2464.50	50.48	PK	34.42	84.90	114.00	-29.10	V

AV = Peak +20Log10(duty cycle factor) =PK+(-12.4809)

Frequency (MHz)	PK Reading (dBμV/m)	Duty cycle factor (dB)	AV Reading (dBμV/m)	Corrected Factor (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polar
2413.00	57.60	-12.4809	45.12	34.19	79.31	94.00	-14.69	H
2413.00	58.70	-12.4809	46.22	34.19	80.41	94.00	-13.59	V
2439.50	57.49	-12.4809	45.01	34.31	79.32	94.00	-14.68	H
2439.50	52.97	-12.4809	40.49	34.31	74.80	94.00	-19.20	V
2464.50	54.69	-12.4809	42.21	34.42	76.63	94.00	-17.37	H
2464.50	50.48	-12.4809	38.00	34.42	72.42	94.00	-21.58	V



5. BANDWIDTH TEST

5.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting : RBW= 30KHz, VBW $\geq$ RBW, Sweep time = Auto.

5.2 TEST SETUP



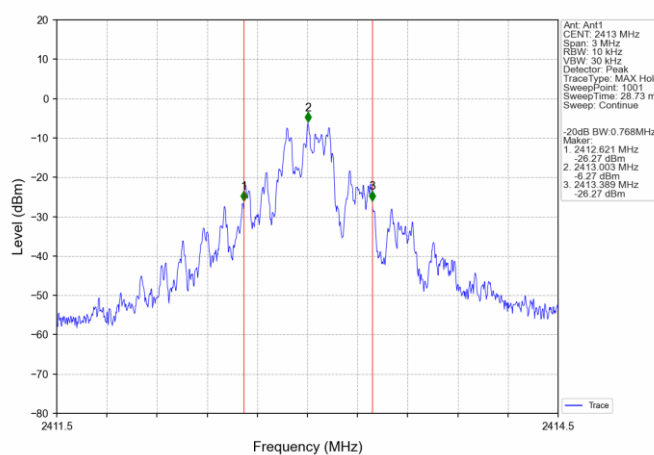
5.3 EUT OPERATION CONDITIONS

TX mode.

5.4 TEST RESULTS

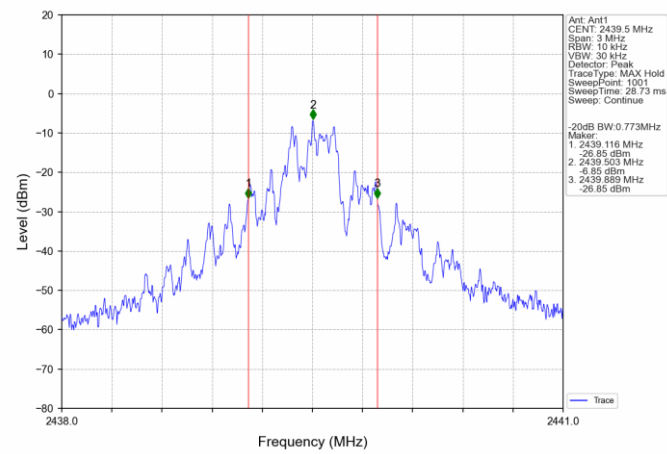
Mode	Frequency (MHz)	Antenna	20dB BANDWIDTH (MHz)
2.4G	2412.999634	Ant1	0.768
2.4G	2439.499908	Ant1	0.773
2.4G	2464.499756	Ant1	0.768

Lowest Channel

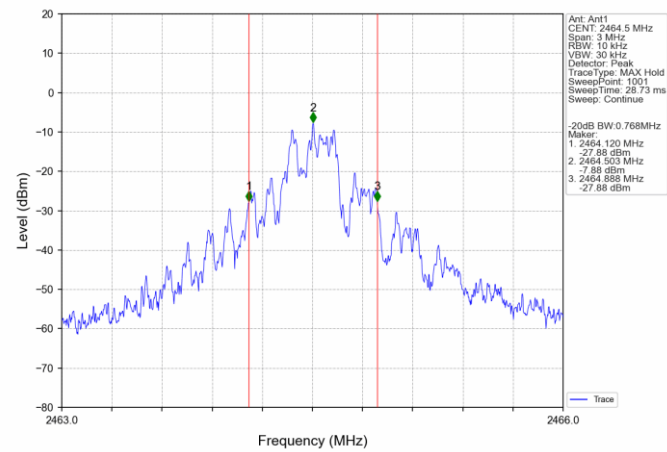




Middle Channel



High Channel





6. ANTENNA REQUIREMENT

6.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

6.2 EUT ANTENNA

The EUT antenna is Chip Antenna. It comply with the standard requirement.



APPENDIX I - MEASUREMENT PHOTOS

Note: Please see the attached RF_Test Setup photos for FCC ID.

※※※※※END OF THE REPORT※※※※※