

# RF TEST REPORT

Product Name: Botslab Video Doorbell 2 Pro

Model Name: R811S

FCC ID: 2A22Z-R810

Issued For : Botslab Inc.

919 North Market Street, Suite 950, Wilmington, New Castle,

Delaware, USA

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: LGT25C014RF04

Sample Received Date: Mar. 06, 2025

Date of Test: Mar. 11, 2025 ~ Apr. 08, 2025

Date of Issue: Apr. 09, 2025

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# **TEST REPORT CERTIFICATION**

**Applicant:** Botslab Inc.

919 North Market Street, Suite 950, Wilmington, New Castle, Delaware, Address:

USA

Manufacturer: Botslab Inc.

919 North Market Street, Suite 950, Wilmington, New Castle, Delaware, Address:

USA

Product Name: Botslab Video Doorbell 2 Pro

Trademark: Botslab

Model Name: R811S

Sample Status: Normal

APPLICABLE STANDARDS		
STANDARD	TEST RESULTS	
FCC Part 15.247, Subpart C		
ANSI C63.10-2013 KDB558074 D01 15.247 Meas Guidance	PASS	
v05r02		

Prepared by:

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Engineer

Approved by:

Vita Li

Technical Director

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# **Revision History**

Rev.	Issue Date	Revisions
00	Apr. 09, 2025	Initial Issue

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# 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards: KDB 558074 D01 15.247 Meas Guidance v05r02.

FCC Part 15.247,Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247 (a)(2)	6dB Bandwidth	N/A	
15.247 (b)(3)	Output Power	N/A	
15.209	Radiated Spurious Emission	PASS	
15.247 (d)	Conducted Spurious & Band Edge Emission	N/A	
15.247 (e)	Power Spectral Density	N/A	
15.205	Restricted Band Edge Emission	N/A	
Part 15.247(d)/ Part 15.209(a)	Band Edge Emission	N/A	
15.203	Antenna Requirement	N/A	

#### NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report.
- (2) All tests are according to ANSI C63.10-2013.
- (3) Base on the original report number LGT24G047RF04, the model R811S has the same PCB board and block diagram and operating principle as the certified prototype of the model R810, they differ only in colors of appearance and the battery. From a technical point of view, it still meets the requirements of the standard except for Radiated Spurious Emission below 1GHz and Conducted Emission, and issued the revised report.

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# 1.1 TEST FACTORY

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

# 1.2 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	RF Output Power, Conducted	±0.71dB
2	Power Spectral Density, Conducted	±1.57 dB
3	Unwanted Emission, Conducted	±0.63dB
4	Conducted emission	±2.80dB
5	All Emissions, Radiated (0.009-30MHz)	±2.16dB
6	All Emissions, Radiated (30MHz-1GHz)	±4.40dB
7	All Emissions, Radiated (1GHz-18GHz)	±5.49dB

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

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# 2. GENERAL INFORMATION

# 2.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	Botslab Video Doorbell 2 Pro		
Trademark:	Botslab		
Model Name:	R811S		
Series Model:	N/A		
Model Difference:	N/A		
Product Description:	Operation Frequency:  802.11b/g/n(20MHz): 2412~2462MHz  802.11b(DSSS):CCK,DQPSK,DBPSK Modulation Type: 802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM Number of Channel: Antenna Designation: Antenna Gain(dBi):  2		
Channel List:	Please refer to the Note 3.		
Rating:	Input 1: AC 8-24V Max, 50/60Hz, 100mA Input 2: DC 5V, 2A		
Battery:	Rated Capacity: 6400mAh Rated Voltage: 3.7V		
Hardware Version:	R811-V3.1		
Software Version:	1.05.55-20240831		
Connecting I/O Port(s):	g 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.

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3.	Operation Frequency of channel	
		802.11b/g/n(20MHz)
	Channel	Frequency
	01	2412
	02	2417
	03	2422
	04	2427
	05	2432
	06	2437
	07	2442
	08	2447
	09	2452
	10	2457
	11	2462

# Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, themiddle frequency, and the highest frequency of channel were selected to perform the test, and the selectedchannel see below:

Carrier Frequency Channel

# 2.4GHz Test Frequency:

For 802.11b/g/n(HT20)	
Channel	Freq.(MHz)
01	2412
06	2437
11	2462

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# 2.2 DESCRIPTION OF THE TEST MODES

Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was

evaluated respectively.

Worst Mode	Description	Data Rate
Mode 1	TX IEEE 802.11b CH1	1 Mbps
Mode 2	TX IEEE 802.11b CH6	1 Mbps
Mode 3	TX IEEE 802.11 b CH11	1 Mbps
Mode 4	TX IEEE 802.11g CH1	6 Mbps
Mode 5	TX IEEE 802.11g CH6	6 Mbps
Mode 6	TX IEEE 802.11g CH11	6 Mbps
Mode 7	TX IEEE 802.11n HT20 CH1	MCS 0
Mode 8	TX IEEE 802.11n HT20 CH6	MCS 0
Mode 9	TX IEEE 802.11n HT20 CH11	MCS 0

# Note:

(1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.

# AC Conducted Emission

Test Case	
AC Conducted Emission Mode 10: Keeping TX + WLAN Link	

# 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 WIFI		
	Mode Or Modulation type	Power setting	
CCDT	b	60	
SecureCRT_6.5.0.380	g	55	
	n20	50	

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# 2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

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

Accessories Equipment

Description	Manufacturer	Model	S/N	Rating

**Auxiliary Equipment** 

Description	Manufacturer	Model	S/N	Rating
Laptop	Lenovo	HKF-16	N/A	N/A
Adapter	Tenpao	S005CAU0500100	N/A	Input: 100-240V ~ 50/60Hz 0.2A Output: 5V, 1A

#### Note:

(1) For detachable type I/O cable should be specified the length in cm in <sup>®</sup> Length <sup>®</sup> column.

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# 2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

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	
Transient Limiter	CYBERTEK	EM5010A	E2250100049	2025.03.05	2026.03.04	
Coaxial cables (9kHz-30MHz)	Juncoax	JMR600-NMNM- 2M	N.A	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		•	

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		
Active loop Antenna	ETS	6502	00049544	2025.03.11	2028.03.10		
Spectrum Analyzer	Keysight	N9010B	MY60242508	2025.03.05	2026.03.04		
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	2025.03.06	2026.03.05		
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2025.03.06	2026.03.05		
Pre-amplifier(18-40G)	SCHWARZBECK	BBV 9721	9721-019	2024.10.21	2025.10.20		
Coaxial cables (9kHz-1GHz)	Juncoax	JMR600-NMNM-8M	N.A	2025.03.06	2026.03.05		
Coaxial cables (1GHz-18GHz)	TaiHe	UCD460B-NMSM-1M9	N.A	2025.03.06	2026.03.05		
Coaxial cables (18GHz-40GHz)	Junkosha Inc.	MWX241-05000KMSKMS	N.A	2025.03.08	2026.03.07		
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2024.08.05	2025.08.04		
Antenna Tower	SAEMC	BK-4AT-BS-D	SK2021093008	N.A	N.A		
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	N9010B	MY60242508	2025.03.05	2026.03.04		
Signal Analyzer	Keysight	N9020A	MY50530994	2025.03.05	2026.03.04		
Power Sensor	R&S	NRP8S	149.0006K02-104963-Ae	2025.03.06	2026.03.05		
RF Automatic Test system	MW	MW100-RFCB	MW220324LG-33	2025.03.06	2026.03.05		
MXG Vector Signal Generator	Keysight	N5182B	MY59100717	2025.03.05	2026.03.04		
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2024.08.05	2025.08.04		
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	Jiuyuan	QJ6010E	N.A	2025.03.09	2026.03.08		
Testing Software		MT	S8310_V2.0.0.0_MW				

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# 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.

EDEOLIENOV (MH-)	Conducted Emissionlimit (dBuV)			
FREQUENCY (MHz)	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

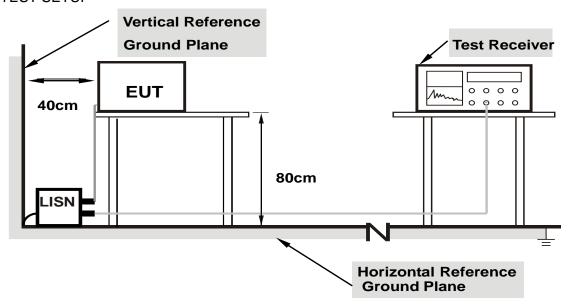
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#### 3.1.2 TEST PROCEDURE

- 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.

#### 3.1.3 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

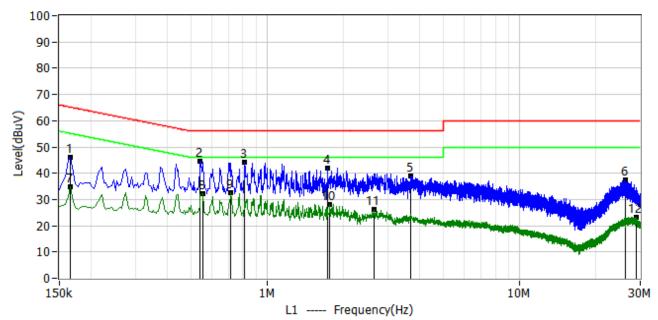
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

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# 3.1.5 TEST RESULT

Project: LGT25C014	Test Engineer: LiuH
EUT: Botslab Video Doorbell 2 Pro	Temperature: 24.5°C
M/N: R811S	Humidity: 66%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-03-15
Test Mode: TX 802.11b 2412	
Note:	

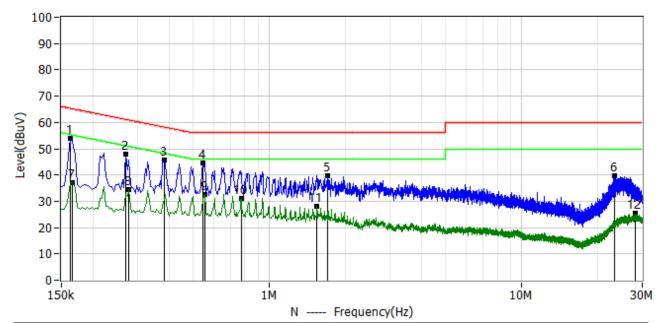


No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.166	35.79	10.34	46.13	65.16	-19.03	QP	L1
2*	0.542	34.23	10.35	44.58	56.00	-11.42	QP	L1
3*	0.814	33.88	10.36	44.24	56.00	-11.76	QP	L1
4*	1.734	31.61	10.50	42.11	56.00	-13.89	QP	L1
5*	3.706	28.45	10.57	39.02	56.00	-16.98	QP	L1
6*	26.134	26.55	10.89	37.44	60.00	-22.56	QP	L1
7*	0.166	24.38	10.34	34.72	55.16	-20.44	AV	L1
8*	0.554	22.00	10.35	32.35	46.00	-13.65	AV	L1
9*	0.718	22.22	10.35	32.57	46.00	-13.43	AV	L1
10*	1.766	17.70	10.51	28.21	46.00	-17.79	AV	L1
11*	2.654	15.49	10.56	26.05	46.00	-19.95	AV	L1
12*	28.830	12.35	11.02	23.37	50.00	-26.63	AV	L1

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Project: LGT25C014	Test Engineer: LiuH
EUT: Botslab Video Doorbell 2 Pro	Temperature: 24.5°C
M/N: R811S	Humidity: 66%RH
Test Voltage: AC 120V/60Hz	Test Data: 2025-03-15
Test Mode: TX 802.11b 2412	
Note:	



No.	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	0.162	43.53	10.44	53.97	65.36	-11.39	QP	N
2*	0.270	37.49	10.44	47.93	61.12	-13.19	QP	N
3*	0.382	35.33	10.45	45.78	58.24	-12.45	QP	N
4*	0.546	34.20	10.45	44.65	56.00	-11.35	QP	N
5*	1.706	29.16	10.59	39.75	56.00	-16.25	QP	N
6*	23.374	28.77	10.86	39.63	60.00	-20.37	QP	N
7*	0.166	26.78	10.44	37.22	55.16	-17.93	AV	N
8*	0.278	24.02	10.44	34.46	50.88	-16.41	AV	N
9*	0.554	22.06	10.45	32.51	46.00	-13.49	AV	N
10*	0.774	20.62	10.45	31.07	46.00	-14.93	AV	N
11*	1.546	17.65	10.56	28.21	46.00	-17.79	AV	N
12*	28.058	14.32	11.01	25.33	50.00	-24.67	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 Part15.205(a)&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	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(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

# LIMITS OF RADIATED EMISSION MEASUREMENT (1000MHz-25GHz)

FREQUENCY (MHz)	(dBuV/m) (at 3M)		
FREQUENCT (IVIDZ)	PEAK	AVERAGE	
Above 1000	74	54	

#### 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).

#### LIMITS OF RESTRICTED FREQUENCY BANDS

FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (GHz)
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			

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# For Radiated Emission

Spectrum Parameter	Setting	
Attenuation	Auto	
Detector	Peak/QP/AV	
Start Frequency	9 KHz/150KHz(Peak/QP/AV)	
Stop Frequency	150KHz/30MHz(Peak/QP/AV)	
	200Hz (From 9kHz to 0.15MHz)/	
RB / VB (emission in restricted	9KHz (From 0.15MHz to 30MHz);	
band)	200Hz (From 9kHz to 0.15MHz)/	
	9KHz (From 0.15MHz to 30MHz)	

Spectrum Parameter	Setting	
Attenuation	Auto	
Detector	Peak/QP	
Start Frequency	30 MHz(Peak/QP)	
Stop Frequency	1000 MHz (Peak/QP)	
RB / VB (emission in restricted	420 KH= / 200 KH=	
band)	120 KHz / 300 KHz	

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak
Start Frequency	1000 MHz(Peak/AV)
Stop Frequency	10th carrier hamonic(Peak/AV)
RB / VB (emission in restricted	1 MHz / 3 MHz(Peak)
band)	1 MHz/1/T MHz(AVG)

# For Restricted band

Spectrum Parameter	Setting		
Detector Peak			
Start/Stop Frequency	Lower Band Edge: 2310 to 2430 MHz		
	Upper Band Edge: 2445 to 2500 MHz		
DD /VD	1 MHz / 3 MHz(Peak)		
RB / VB	1 MHz/1/T MHz(AVG)		

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

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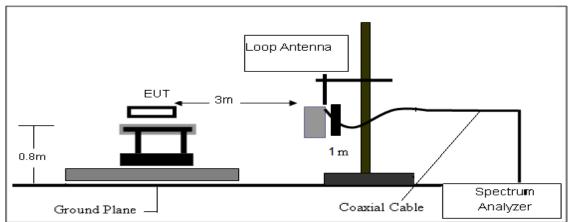
#### 3.2.2 TEST PROCEDURE

- a. The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- b. 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.
- c. 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.
- d. 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.
- e. 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.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

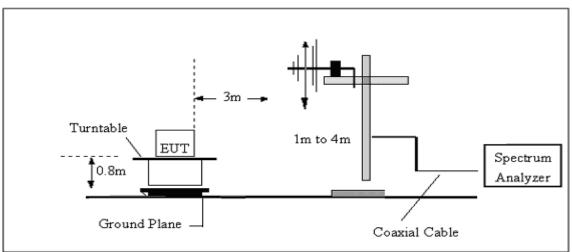
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

#### 3.2.3 TEST SETUP

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



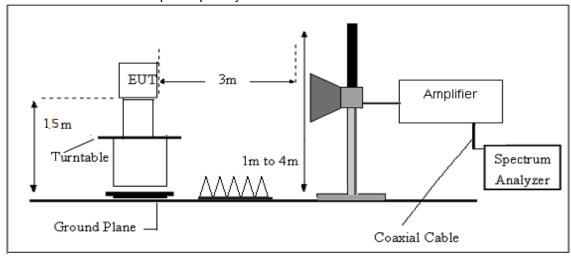
# (B) Radiated Emission Test-Up Frequency 30MHz~1GHz



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



# 3.2.4 EUT OPERATING CONDITIONS

Please refer to section 3.1.4 of this report.

# 3.2.5 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:

 $F\dot{S} = RA + AF + CL - AG$ 

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)	(dBµV/m)	(dBµV/m)	(dB)	(dB)	(dB)	(dB)
300	40	58.1	12.2	1.6	31.9	-18.1

Factor=AF+CL-AG

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# 3.2.6 TEST RESULT

# Results of Radiated Emissions (9 KHz~30MHz)

No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Remark
1*	-	-	-	-	-	-	-	See Note

#### Note:

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

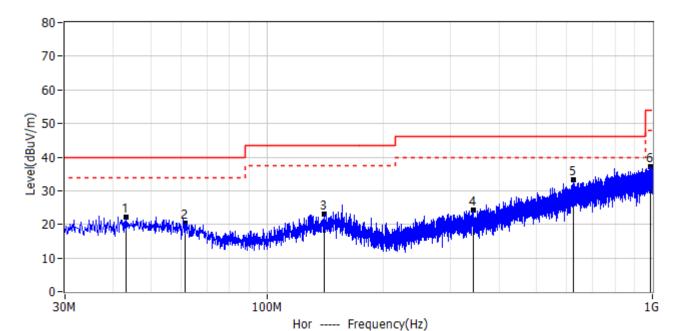
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# Results of Radiated Emissions (30MHz~1000MHz)

Note: All the modes have been tested, found worst case at IEEE 802.11b Low channel, recorded the worst case results in this report.

Project: LGT25C014	Test Engineer: LiuH
EUT: Botslab Video Doorbell 2 Pro	Temperature: 24.5°C
M/N: R811S	Humidity: 66%RH
Test Voltage: Battery	Test Data: 2025-03-15
Test Mode: TX 802.11b 2412	
Note:	

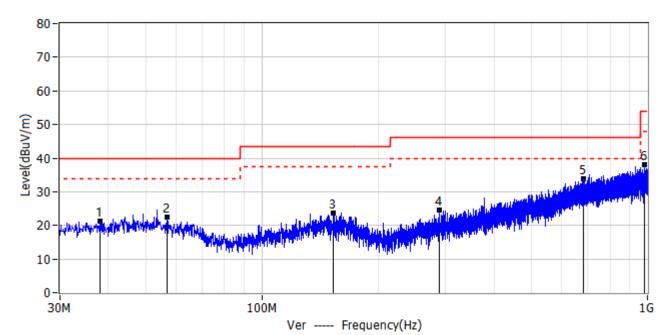


Frequency Reading Factor Limit Level Margin No. Detector Polar dBuV/m dΒ MHz dBuV dB/m dBuV/m 1\* QΡ Hor 43.216 1.46 20.78 22.24 40.00 -17.76 2\* 61.404 1.27 19.25 20.52 40.00 -19.48 QΡ Hor 3\* QΡ 140.580 1.98 21.16 23.14 43.50 -20.36 Hor 4\* 22.66 24.25 QΡ 342.704 1.59 46.00 -21.75 Hor 5\* 625.459 4.03 29.28 33.31 46.00 -12.69 QΡ Hor 6\* 988.239 QP 3.27 33.94 37.21 54.00 -16.79 Hor

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Project: LGT25C014	Test Engineer: LiuH	
EUT: Botslab Video Doorbell 2 Pro	Temperature: 24.5°C	
M/N: R811S	Humidity: 66%RH	
Test Voltage: Battery	Test Data: 2025-03-15	
Test Mode: TX 802.11b 2412		
Note:		



No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	38.003	1.60	19.76	21.36	40.00	-18.64	QP	Ver
2*	56.796	2.49	19.93	22.42	40.00	-17.58	QP	Ver
3*	153.190	1.90	21.69	23.59	43.50	-19.91	QP	Ver
4*	288.263	3.33	21.13	24.46	46.00	-21.54	QP	Ver
5*	684.144	3.80	30.00	33.80	46.00	-12.20	QP	Ver
6*	983.146	4.01	34.11	38.12	54.00	-15.88	QP	Ver



# **APPENDIX II - MEASUREMENT PHOTOS**

Note: Please see the attached RF\_Test Setup photos for FCC Part 15C&IC.

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# **APPENDIX III - PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS**

Note: Please see the attached R811S\_EUT Photos.

\*\*\*\*\*END OF THE REPORT\*\*\*

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