

RF Exposure Evaluation Report

Report No.: 2405A112469EE

Applicant: Zhuhai Glory Technology Co., Ltd

Address: 8F, Bldg 7, No. 178 Dingxing Road, Tangjiawan Town, Zhuhai,

Guangdong, China

Product Name: Wi-Fi Video Doorbell

Product Model: R1

Multiple Models: N/A

Trade Mark: N/A

FCC ID: 2BMPT-R1

Standards: 47 CFR §1.1307

KDB 447498 D04 Interim General RF Exposure Guidance v01

Test Date: 2025-01-13 to 2025-02-27

Test Result: Complied

Report Date: 2025-03-03

Reviewed by:

Approved by:

Frank Yin

Frank Tin

Project Engineer

Jacob Kong Manager

Jacob Gong

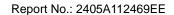
Prepared by:

World Alliance Testing & Certification (Shenzhen) Co., Ltd
No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen,
Guangdong, People's Republic of China



This report may contain data that are not covered by the NVLAP accreditation and shall be marked with an asterisk "★"

Report Template: TR-4-E-011/V1.2 Page 1 of 7





Announcement

- 1. This test report shall not be reproduced except in full, without the written approval of World Alliance Testing & Certification (Shenzhen) Co., Ltd
- 2. The results in this report apply only to the sample tested.
- 3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.
- 4. The information marked "#" is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

Revision History

Version No.	Issued Date	Description		
00	2025-03-03	Original		

Report Template: TR-4-E-011/V1.2 Page 2 of 7



Contents

1	Gene	ral Information	4
		Client Information	
	1.2	Product Description of EUT	4
	1.3	Laboratory Location	4
2	RF Ex	xposure Evaluation	5
	2.1	Standard	5
	22	Result	7



1 General Information

1.1 Client Information

Applicant:	Zhuhai Glory Technology Co., Ltd			
Address:	8F, Bldg 7, No. 178 Dingxing Road, Tangjiawan Town, Zhuhai, Guangdong,			
	China			
Manufacturer:	Zhuhai Glory Technology Co., Ltd			
Address:	8F, Bldg 7, No. 178 Dingxing Road, Tangjiawan Town, Zhuhai, Guangdong,			
	China			

1.2 Product Description of EUT

The EUT is Wi-Fi Video Doorbell that contains 2.4G WLAN radio

Sample Serial Number	2WLF-1 for CE&RE test, 2WLF-2 for RF conducted test(assigned by WATC)		
Sample Received Date	2024-12-26		
Sample Status	Good Condition		
Frequency Range 2412MHz - 2462MHz(802.11b, g, n-HT20)			
Maximum Conducted Output Power	19.97dBm		
Modulation Technology	DSSS, OFDM		
Antenna Gain#	3.14dBi		
Spatial Streams	SISO(1TX, 1RX)		
Power Supply	DC 5V from type-C port or DC 3.7V from battery or AC8-24V from AC port		
Adapter Information	N/A		
Modification	Sample No Modification by the test lab		

1.3 Laboratory Location

World Alliance Testing & Certification (Shenzhen) Co., Ltd

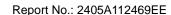
No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

Tel: +86-755-29691511, Email: qa@watc.com.cn

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 463912, the FCC Designation No. : CN5040.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0160.

Report Template: TR-4-E-011/V1.2 Page 4 of 7





2 RF Exposure Evaluation

2.1 Standard

According to §1.1307(b)(3)(i), For single RF sources (i.e., any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

- (A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);
- (B) Or the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold Pth (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). Pth is given by:

$$P_{th} \; (\mathrm{mW}) = \begin{cases} ERP_{20 \; cm} (d/20 \; \mathrm{cm})^x & d \leq 20 \; \mathrm{cm} \\ \\ ERP_{20 \; cm} & 20 \; \mathrm{cm} < d \leq 40 \; \mathrm{cm} \end{cases}$$

Where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\ cm}\sqrt{f}}\right)$$
 and f is in GHz;

and

$$\mathit{ERP}_{20\;cm}\;(\mathrm{mW}) = \begin{cases} 2040f & 0.3\;\mathrm{GHz} \leq f < 1.5\;\mathrm{GHz} \\ \\ 3060 & 1.5\;\mathrm{GHz} \leq f \leq 6\;\mathrm{GHz} \end{cases}$$

d = the separation distance (cm);

(C) Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of $\lambda/4$ or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

Report Template: TR-4-E-011/V1.2 Page 5 of 7



Table 1 to § 1.1307(b)(3)(i)(C)—Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)				
0.3-1.34	1,920 R ² .				
1.34-30	3,450 R ² /f ² .				
30-300	3.83 R ² .				
300-1,500	0.0128 R ² f.				
1,500-100,000	19.2R ² .				

According to §1.1307(b)(3)(ii), For multiple RF sources: Multiple RF sources are exempt if:

- (A) The available maximum time-averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required). This exemption may not be used in conjunction with other exemption criteria other than those is paragraph (b)(3)(i)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(i)(A).
 - (B) in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation.

$$\sum_{i=1}^{a} \frac{P_i}{P_{th,i}} + \sum_{j=1}^{b} \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^{c} \frac{Evaluated_k}{Exposure\ Limit_k} \le 1$$



2.2 Result

Single RF source:

Option C:

Radio	Frequency (MHz)	ency Distance	Exemption ERP (mW)	Maximum Conducted Power including Tune-up	Antenna Gain (dBi)	ERP		Result Option C
,				Tolerance (dBm)		dBm	mW	
2.4G WLAN	2412-2462	200	768	20.5	3.14	21.49	140.9	exempt

Note: The Maximum Conducted Power including Tune-up Tolerance was declared by manufacturer.

Multiple RF sources transmission simultaneously consider:

N/A

Result: The device compliance with the MPE-base exposure exemption limit at 20cm distance.

---End of Report---

Report Template: TR-4-E-011/V1.2 Page 7 of 7