

# **RF Exposure Evaluation Report**

Report No.: RWAZ202300045C

Applicant: Shenzhen Teslong Technology Co., Ltd.

Address: 2nd Floor, Block 4, Jinhuafa Industrial Park, East of Donghuan 2

avenue, Longhua, Shenzhen, China

Product Name: Borecam Pro 2.0

Product Model: 04070

Multiple Models: N/A

Trade Mark: Lyman

FCC ID: 2AXAVWF1802302

**Standards:** 47 CFR §1.1310

KDB 447498 D01 General RF Exposure Guidance v06

**Test Date:** 2023-12-15

Test Result: Complied

**Report Date: 2023-12-19** 

Reviewed by:

Approved by:

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Manager

#### Prepared by:

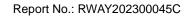
World Alliance Testing and Certification (Shenzhen) Co., Ltd

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



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# **Revision History**

Version No. Issued Date		Description		
00	2023-12-19	Original		

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#### 1 General Information

### 1.1 Client Information

Applicant:	Shenzhen Teslong Technology Co., Ltd.		
Address:	2nd Floor, Block 4, Jinhuafa Industrial Park, East of Donghuan 2 avenue, Longhua, Shenzhen, China		
Manufacturer:	Shenzhen Teslong Technology Co., Ltd.		
Address:	2nd Floor, Block 4, Jinhuafa Industrial Park, East of Donghuan 2 avenue, Longhua, Shenzhen, China		

### 1.2 Product Description of EUT

The EUT is Smart photo frame that contains 2.4G WLAN radios.

Sample Serial Number	R-2 (assigned by WATC)		
Sample Received Date	2023-12-08		
Sample Status	Good Condition		
Frequency Range	2.4G WLAN: 2412MHz - 2462MHz		
Maximum Conducted Output Power	2412MHz - 2462MHz: 11.01dBm		
Modulation Technology	DSSS, OFDM		
Antenna Gain <sup>#</sup>	1.5dBi		
Spatial Streams	SISO (1TX, 1RX)		
Power Supply	DC 3.7V from battery or DC 5V/1A		
Operating temperature <sup>#</sup>	-10 deg.C to +70 deg.C		
Adapter Information	N/A		
Modification	Sample No Modification by the test lab		

## 1.3 Laboratory Location

World Alliance Testing and 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.

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### 2 RF Exposure Evaluation

#### 2.1 Standard

According to §1.1310, radio frequency devices shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [ $\sqrt{f(GHz)}$ ]  $\leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is  $\leq$  50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

#### 2.2 Result

Radio	Frequency (MHz)	Maximum Conducted Power including Tune-up Tolerance		Min. test separation distance	Result (10-g SAR)	Exclusion Limit	Verdict
		(dBm)	(mW)	(mm)		(10-g SAR)	
2.4G WLAN	2412-2462	11.5	14.13	5	4.43	7.5	Pass

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

Result: Complied, No need standalone SAR test.

---End of Report---

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