

# RF Exposure Evaluation Report

**Report No.:** RWAZ202300045C

**Applicant:** Shenzhen Teslong Technology Co., Ltd.

**Address:** 2nd Floor, Block 4, Jinhua 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:**

*Abel Chen*

**Approved by:**

*Jacob Kong*

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Project Engineer

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**Prepared by:**

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

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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.

## 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:

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

- $f(\text{GHz})$  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 (mm) | Result (10-g SAR) | Exclusion Limit (10-g SAR) | Verdict |
|-----------|-----------------|---|-------|------------------------------------|-------------------|----------------------------|---------|
|           |                 | (dBm)   | (mW)  |                                    |                   |                            |         |
| 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---**