# RF Exposure Evaluation
## FCC ID: 2A5PO-3700-1A

## 1. Client Information

| | | |
|---|---|---|
| **Applicant** | : | SHANTOU CITY OURUI INDUSTRIAL Co., LTD |
| **Address** | : | NO. 2, XIAOJIAN ROAD, SHANGKENG COMMUNITY, GUANGYI STREET, CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA |
| **Manufacturer** | : | SHANTOU CITY OURUI INDUSTRIAL Co., LTD |
| **Address** | : | NO. 2, XIAOJIAN ROAD, SHANGKENG COMMUNITY, GUANGYI STREET, CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA |

## 2. General Description of EUT

| | | | |
|---|---|---|---|
| **EUT Name** | : | Dinosaur Toys | |
| **Models No.** | : | 3700-1A, 3700-2A, 3701-1A, 3701-2A, 3702-2A, 3703-2A, 3705-1A, 3706-1A, 3710-1A, 3710-2A | |
| **Model Different** | : | All these models are identical in the same PCB layout and electrical circuit, the only difference is that appearance. | |
| **Product Description** | : | Operation Frequency: | 2.4G: 2407MHz~2475MHz |
| | | Number of Channel: | 27 channels |
| | | RF Output Power: | GFSK: -5.169dBm |
| | | Antenna Gain: | 0dBi PCB Antenna |
| **Power Rating** | : | DC 3.0V by AAA battery | |
| **Software Version** | : | V1.0 | |
| **Hardware Version** | : | V1.0 | |
| **Connecting I/O Port(S)** | : | Please refer to the User's Manual | |

**Note:** More test information about the EUT please refer the RF Test Report.



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# SAR Test Exclusion Calculations

1. **FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.**
   **(1) Clause 4.3: General SAR test reduction and exclusion guidance**
   **Sub clause 4.31: Standalone SAR test exclusion considerations**
   **1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance≤5 mm are determined by:**
   **[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[ $\sqrt{f_{(GHz)}}$ ] ≤3.0 for 1-g SAR**
   **[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[ $\sqrt{f_{(GHz)}}$ ] ≤7.5.0 for 10-g SAR**

## 2. Calculation:

| Test separation: 5mm | | | | | | |
|---|---|---|---|---|---|---|
| Bluetooth Mode (GFSK) | | | | | | |
| Frequency (GHz) | Conducted Power (dBm) | Turn-up Power Tolerance (dB) | Max power of tune up tolerance (dBm) | Max power of tune up tolerance (mw) | Calculation Value | Threshold Value |
| 2.407 | -5.169 | -5±1 | -4 | 0.398 | 0.124 | **3.0** |
| 2.445 | -5.907 | -5±1 | -4 | 0.398 | 0.125 | **3.0** |
| 2.475 | -5.783 | -5±1 | -4 | 0.398 | 0.125 | **3.0** |

**Conclusion:**

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

**-----END OF REPORT-----**