



Excellence in Compliance Testing

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## **Certification Exhibit**

**FCC ID: OF8-TM8D**

**FCC Rule Part: CFR 47 Part 95, Subpart H**

**ACS Project Number: 15-3052**

Manufacturer: Life Sensing Instrument Company  
Model: TM8D

## **RF Exposure**

**General Information:**

Applicant: Life Sensing Instrument Company  
Environment: General Population/Uncontrolled Exposure  
Exposure Conditions: Portable (Hand-held/ body worn)

**Technical Information:**

Minimum Test Separation Distance: 5 mm  
Highest Operating Frequency: 614 MHz  
Antenna Type: monopole  
Antenna Gain: <=1 dBi  
Maximum Transmitter Conducted Power: -8.2 dBm, 0.15 mW  
Maximum Transmitter EIRP: -7.2 dBm, 0.2 mW

**Justification for SAR Test Exclusion (FCC):****Standalone SAR Test Exclusion:**

Per KDB 447498 D01 General RF Exposure Guidance v05r02, the standalone 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:

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

$$= (0.15 / 5\text{mm}) * (\sqrt{0.614}) = 0.024$$

**0.024 < 3**

This is below any threshold limit.

Standalone SAR test exclusion is applied.