

# RF Exposure Evaluation

## FCC ID: 2AT2N-T200

### 1. Client Information

**Applicant** : TRIVA INC.  
**Address** : 1401 NE. 26th Street. Fort Lauderdale, Florida, USA  
**Manufacturer** : TRIVA INC.  
**Address** : 1401 NE. 26th Street. Fort Lauderdale, Florida, USA

### 2. General Description of EUT

<b>EUT Name</b>	:	Smart Safety Tag	
<b>Models No.</b>	:	T200	
<b>Model Different</b>	:	N/A	
<b>Product Description</b>	Operation Frequency:	Bluetooth V5.0: 2402MHz~2480MHz	
	RF Output Power:	BLE:-1.377dBm (Max)	
	Antenna Gain:	5.3dBi PCB Antenna	
<b>Power Supply</b>	:	DC Supply by the Coin Cell.	
<b>Power Rating</b>	:	DC 3V by CR2032 Coin Cell.	
<b>Software Version</b>	:	v1	
<b>Hardware Version</b>	:	T200	
<b>Connecting I/O Port(S)</b>	:	Please refer to the User's Manual	

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

## 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  $\leq 5$  mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR}$$
$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 7.5.0 \text{ for 10-g SAR}$$

**2. Calculation:**

Test separation: 5mm							
BLE 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	
2.402	-1.377	-2±1	-1	0.794	0.246	3.0	
2.442	-2.788	-3±1	-2	0.631	0.197	3.0	
2.480	-3.864	-3±1	-2	0.631	0.199	3.0	

**So standalone SAR measurements are not required.**

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