

# RF EXPOSURE EVALUATION

## 1. PRODUCT INFORMATION

Product Description	Smart Thermometer
Model Name	VA-IH008
FCC ID	2AFDGVA-IH008

## 2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v05 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:

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

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

## 3. CALCULATION

$P_t = 90.50 \text{ dBuV/m (3m)} = 0.34 \text{ mW}$

The value of the Maximum output power  $P_t$  is referred to the test report of the CFR47 §15.249  
No: AGC00210200312FE03

The result for the evaluation  $\text{SAR} = (0.34 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{0.915 \text{ (GHz)}}] = 0.07 < 3.0$   
for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

## 4. CONCLUSION

The SAR evaluation is not required.