

## RF EXPOSURE EVALUATION

### 1. PRODUCT INFORMATION

Product Description	Mouse
Model Name	TM-004, TM-218, TM-219, TM-220, TM-221, TM-222, TM-223, TM-224, TM-225, TM-226, TM-227, TM-228, TM-229, TM-230, TM-505, TM-1000, TM-1500, TM-3000, TM-5100, TM-5500, TM-7400, TM-8100, TM-8900B, GM-W-680
FCC ID	2AW3GTM-004

### 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:

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

### 3. CALCULATION

$P_t = -6.401 \text{ dBm} = 0.23 \text{ mW}$

The value of the Maximum output power  $P_t$  is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation  $\text{SAR} = (0.23 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.40365 \text{ GHz}}] = 0.07 < 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

### 4. CONCLUSION

The SAR evaluation is not required.