# RF EXPOSURE EVALUATION

## 1. PRODUCT INFORMATION

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|---|---|
| Product Description | 2.4G PRINTED WIRELESS MOUSE |
| Model Name | WX-W-M232N, WX-W-M222B, WX-W-M226Z |
| FCC ID | **ZJEST-189** |

## 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 ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.
Where f(GHz) is the RF channel transmit frequency in GHz
Power and distance are rounded to the nearest mW and mm before calculation

## 3. CALCULATION

According to the follow transmitter output power（$P_t$）formula：
$P_t$=（E x d）$^2$/（30 x $g_t$）
$P_t$=transmitter output power in watts
$g_t$=numeric gain of the transmitting antenna (unitess)
E=electric field strength in V/m
d=measurement distance in meters (m)

$P_t$=-7.35dBm=0.18mW

The result for RF exposure evaluation
SAR=(0.18mW /5mm) .[√2.475(GHz)]= 0.057<3.0 for 1-g SAR

## 4. CONCLUSION

The SAR evaluation is not required.