RF EXPOSURE EVALUATION

Equipment under test: Wireless Gaming mouse USB dongle

FCC ID: 2AZX7-ULXD

Test report reference: RRA-EMIESS23C288FIN-02A v1

MPE calculation

These equations are generally accurate in the far field of an antenna but will over predict power density in the near field, where they could be used for making a "worst case" prediction.

S = PG/4πR²

Where: S = power density (in appropriate units, e.g. mW/cm²)
             P = power input to the antenna (in appropriate units e.g. mW)
             G = power gain of the antenna in the direction of interest relative to the isotropic radiator
             R = distance to the centre of radiation of the antenna (appropriate units e.g. cm)

Or

S = EIRP/4πR²

Where   EIRP = equivalent isotropically radiated power

Calculation:

(Calculated for max. EIRP)

EIRP: +5.6 (3.6 mW)

Calculated at distance of 20 cm:

Power density = 0.001mW/cm²

Limit:

0.608mW/cm² is the reference level for G exposure according to Rule part 1.1310(e)

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