

RF Exposure / MPE Calculation

No. : 32GE0033-HO-01

Applicant : Panasonic Corporation of North America
Type of Equipment : MULTIMEDIA SYSTEM
Model No. : UN-W700
FCC ID : ACJ-UN-W700

Panasonic Corporation of North America declares that Model : UN-W700 complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable).

The "UN-W700" has 1.41 mW of conducted Peak Output power and 2.81 mW of EIRP. This kind of equipment is below 60/frequency[GHz] mW(TCB Exclusion List) so that SAR testing is excluded. The Following calculation is the reference data for 20cm distance.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "UN-W700" as calculated from FCC OET Bulletin 65 Appendix A, Table (B) Limits for General Population / Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering a 1.0mW/cm² uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

Where

P = 1.41 mW (Maximum peak output power)
G = 2.00 Numerical Antenna gain; equal to 3.00 dBi
r = 20.0 cm

For: UN-W700

$$S = 0.00056 \text{ mW/cm}^2$$

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