

## **RF Exposure / MPE Calculation**

**No.: 33BE0184-HO-04**

**Applicant** : Panasonic Corporation of North America  
**Type of Equipment** : Wireless Speaker System  
**Model No.** : SC-NE1  
**FCC ID** : ACJ-SC-NE1

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Panasonic Corporation of North America declares that Model : SC-NE1 complies with FCC radiation exposure requirement specified in the FCC Rule 2.1091 (for mobile).

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the "SC-NE1" 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/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

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

Where

**P = 1.89 mW (Maximum peak output power)**  
**G = 3.05 Numerical Antenna gain; equal to 4.85 dBi**  
**r = 20.0 cm**

**For: SC-NE1**

$$S = 0.00115 \text{ mW/cm}^2$$

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