RF Exposure / MPE Calculation

No. : 10706993H

Applicant	**:**	**MITSUBISHI ELECTRIC CORPORATION SANDA WORKS**
Type of Equipment	**:**	**Display Audio (IEEE802.11b/g/n-20 (2.4GHz band))**
Model No.	**:**	**NR-000**
FCC ID	**:**	**UJHNR000**

MITSUBISHI ELECTRIC CORPORATION SANDA WORKS declares that Model : NR-000
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091 (for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain
antenna provided with the "NR-000" as calculated
from (B) Limits for General Population / Uncontrolled Exposure of
TABLE 1- LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE) of §1.1310 Radiofrequency
radiation exposure limits.
This calculation is based on the highest EIRP possible from the system,
considering maximum power and antenna gain, and considering a 1.0mW/cm^2 uncontrolled
exposure limit. The Friis formula used was:

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

Where

P =	**11.17**	**mW (Maximum average output power)**
G =	**1.07**	**Numerical Antenna gain; equal to 0.29 dBi**
r =	**20.0**	**cm**

For: NR-000 **S = 0.00238 mW/cm^2**

Even taking into account the tolerance, this device can be satisfied with the limits.

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