

US Tech Test Report,
FCC ID:
Test Report Number:
Issue Date:
Customer:
Model:

FCC Part 15 Certification
UJX-DCM127-001
10-0125
May 28, 2010
Strategic Services Group, INC
ROAM DCM model number: DCM127-NM1

RF Exposure

Maximum Public Exposure to RF (MPE) CFR 15.247 (i)

The maximum exposure level to the public from the RF power of the EUT shall not exceed a power density, **S**, of 1 mW/cm² at a distance, d, of 20 cm from the EUT.

Therefore, for:

Peak Power (Watts) = .08318 (from Table 9, herein)

Gain of Transmit Antenna = -1.0 dBi = 0.794, numeric (from Table 4, herein)

d = Distance = 20 cm = 0.2 m

$$\begin{aligned} S &= (PG / 4\pi d^2) = EIRP / 4A = 0.08318(0.794) / 4\pi * 0.2 * 0.2 \\ &= 0.066045 / 0.502 = 0.13156 \text{ w/m}^2 \\ &= (W/m^2) (1m^2/W) (0.1 \text{ mW/cm}^2) \\ &= 0.013156 \text{ mW/cm}^2 \end{aligned}$$

which is << less than 1 mW/cm²