

US Tech
Client
Issue Date
Model:
FCC ID:
IC:

11-0269
Sypes Canyon
06-27-2012
SCC-002
ZBR002
9540A-002

**Maximum Public Exposure to RF (MPE)
(From pg 51 of test report)**

The maximum exposure level to the public from the RF power of the EUT shall not exceed a power density, **S**, of 1.0 mW/cm² at a distance, d, of 20 cm from the EUT.

Antenna Gain = 5dBi

Peak Power (Watts) = 19.90dBm (0.0977 Watts) (from Table 3, herein)

Gain of Transmit Antenna = 5.0 dBi = 3.16, numeric (from Paragraph 2.5, herein)

d = Distance = 20 cm = 0.2 m

$$\begin{aligned} S &= (PG / 4\pi d^2) = EIRP / 4A = 0.0977(3.16) / 4 * \pi * 0.2 * 0.2 \\ &= 0.308 / 0.502 = 0.614 \text{ W/m}^2 \\ &= 0.0614 \text{ mW/cm}^2 \end{aligned}$$

Which is << less than 1 mW/cm²