US Tech Test Report:

Report Number:

Issue Date:

Customer:

Model:

FCC Part 95

14-0126

June 21, 2013

Radio Systems Corporation

300-2946

FCC ID:

KE3-3002946

Maximum Public Exposure to RF (MPE) CFR 1.1310

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:

Highest Gain Dipole Antenna= -19 dBi

Peak Power (Watts) = 0.001 (from Figure 1 of Test Report) Gain of Transmit Antenna = -19 dB $_i$ = 0.013, numeric (EUT uses trace Loop antenna) d = Distance = 20 cm = 0.2 m

 $\begin{array}{l} \boldsymbol{S} = (PG/\,4\pi d^2) = EIRP/4A = 0.001(0.013)/4^*\pi^*0.2^*0.2\\ = 0.000013/0.5030 = 0.0662\,W/m^2\\ = (W/m^2)\,(1m^2/W)\,(0.1\,mW/cm^2)\\ = 0.000196\,mW/cm^2 \end{array}$

which is << less than 1.0 mW/cm²