US Tech   FCC Part 15.249
Test Report: 13-0310
Date: January 29, 2013
Model(s):   BM-1
FCC ID: 2AA65-BM1
Customer: D5W, Inc.

Maximum Public Exposure to RF (MPE)

The maximum exposure levels to the public from the RF power of the EUT shall not exceed a power density, S, of 1mW/cm2 at a distance, d, of 2.5 cm from the EUT.

Therefore, for:

Highest Gain Antenna (Inverted F)= 3.3 dBi

Peak Power (Watts) = 0.001 (Manufacture's claimed highest output power)
Gain of Transmit Antenna = 3.3 dB_i = 2.14, numeric (from Table 3 of Test Report)
d = Distance = 2.5 cm = 0.025 m

S = (PG/ 4d$_2$) = EIRP/4A = 0.001(2.14)/4*π*0.025*0.025
= 0.00214/0.0079 = 0.2709 W/m$_2$
= (W/m$_2$) (1m$_2$/W) (0.1 mW/cm$_2$)
= 0.02709 mW/cm$_2$

which is << less than 1.0 mW/cm$_2$