Maximum Public Exposure to RF (MPE)

The maximum exposure level to the public from the RF power of the EUT shall not exceed a power density, **S**, of 0.60 mW/cm^2 at a distance, d, of 20 cm from the EUT.

EUT Antenna= 5 dBi

Peak Power (Watts) = 0.0033m (from Table 5 of Test Report)
Gain of Transmit Antenna = 5 dB$_i$ = 3.162, numeric (from Table 4 of Test Report)
d = Distance = 20 cm = 0.20 m

$$\mathbf{S} = (PG/\ 4\pi d^2) = EIRP/4A = 0.0033m\ (3.162)/4*\pi*0.20*0.20$$
$$= 0.0104m/0.502 = 0.0000207\ W/m^2$$
$$= (W/m^2)\ (1m^2/W)\ (0.1\ mW/cm^2)$$
$$= 0.00000207\ mW/cm^2$$

which is << less than 0.60 mW/cm^2