RF Exposure Compliance

The maximum measured antenna conducted power, P is 153mW, or 22dBm

The antenna gain, G is 1dBi

The maximum EIRP power = P + GERP = 22 + 1 = 23dBm, or 0.20W

The limits for Maximum Permissible Exposure (MPE) for transmitter operating at 902-928MHz,

928/1500 = 0.619mW/cm², or 6.2W/m²

The Power Density, S is related to EIRP with the equation:

 $S = EIRP / 4\pi D^2$, where D is the safe separation distance and = 0.2m, or 20cm $S = 0.20 / 4\pi 0.2^2$,

 $S = 0.4W/m^2$, or below the Maximum Permissible Exposure (MPE)