Arad Technologies Ltd.

FCC ID:VIDPMNTLG5

Exposure limit according to §15.247(i)

The device is classified as a mobile one.

The FCC limit for power density for general population/uncontrolled exposure is f/1500 mW/cm² for 300 – 1500 MHz frequency range:

 $P = 902.3/1500 = 0.601 \text{ mW/cm}^2$

The power density **P (mW/cm²) = P_T / 4** π r²

P_T is the transmitted power, which is equal to the peak transmitter output power 28.97 dBm (in 2FSK modulation) plus maximum antenna gain 0 dBi, the maximum equivalent isotropically radiated power EIRP is

P_T = 28.97 dBm + 0 dBi = 28.97 dBm = 789 mW.

The power density at 20 cm (minimum safe distance, required for mobile devices), calculated as follows:

Compliance with FCC limit: 789 mW / 4π (20 cm)² = 0.157 mW/cm² << 0.601 mW/cm²

General public cannot be exposed to dangerous RF level.