Exposure limit according to §15.247(i) and RSS-102

The universal transmitter is classified as mobile device.

Limit for power density for general population/uncontrolled exposure is 1 mW/cm² for 1500 - 100000 MHz frequency range.

The power density $P(mW/cm^2) = P_T / 4\pi r^2$

 P_{T} is the transmitted power, which is equal to the peak transmitter output power 10.62 dBm plus maximum antenna gain -2 dBi, the maximum equivalent isotropically radiated power EIRP is

$$P_T = 10.62 \text{ dBm} - 2 \text{ dBi} = 8.62 \text{ dBm} = 7.3 \text{ mW}.$$

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

$$7.3 \text{ mW} / 4\pi (20 \text{ cm})^2 = 0.0014 \text{ mW/cm}^2$$

General public cannot be exposed to dangerous RF level.