Environmental evaluation and exposure limit according to FCC CFR 47part 1, §1.1307, §1.1310

The BSR-5.8 transceiver is classified as mobile.

Limit for power density for general population/uncontrolled exposure is 1 mW/cm².

The power density
$$P \left(mW/cm^2 \right) = \begin{array}{c} P_T \\ ----- \\ 4\pi \, r^2 \end{array}$$
 where

 \mathbf{P}_{T} is the maximum equivalent isotropically radiated power (EIRP).

PT is equal to transmitter maximum output power 25 dBm plus maximum antenna gain 11 dBi, the maximum equivalent isotropically radiated power (e.i.r.p.) is 36 dBm = 4000 mW, and the power density at 20 cm (minimum safe distance, required for mobile devices), calculated as follows:

$$4000 / 4\pi 20^2 = 0.79 \text{ mW/cm}^2 < 1 \text{ mW/cm}^2$$

was found below the limit.

Hence, no safety hazard exists for human being.