

Environmental evaluation and exposure limit according to FCC CFR 47part 2, §2.1091

The transceiver is classified as mobile, the calculation was done for device combined power, iDEN and SMR operating frequencies.

The transmitter maximum output power in IDEN mode is 74 mW, in SMR mode - 26 mW, total 100 mW (20 dBm).

The maximum antenna gain is 10 dBi (7.85 dBd).

Maximum composite ERP is:
 $20 \text{ dBm} + 7.85 \text{ dBd} = 27.85 \text{ dBm} = 0.61 \text{ W} < 1.5 \text{ W}.$

The device does meet the FCC part 2, §2.1091 limit.