



RF exposure limit according to FCC CFR 47 parts 1 and 2 §1.310(e), §2.1091(b).

FCC §1.310 limit of power density for general population/uncontrolled exposure is
1 mW/cm².

The EUT is defined as module inside portable device designed to be used so that the radiating structure(s) of the device may be used at 20 centimeters distance from the body of the user.

Pt- the transmitted maximum EIRP power = -1.8 dBm = 0.66 mW.

Peak power density for distance 20 cm is $P_t/4\pi r^2 = 0.66 \text{ mW}/4\pi \cdot 0.2^2 = 0.00031 \text{ mW/cm}^2$.

That is less than 1 mW/cm² power density limit.