6.4 Potential Health Hazard EM Radiation Level

This is a mobile device and the peak EIRP is 0.023 mW (see below). The output power is lower than $Po = 60/f_{(GHz)}$ mW = 24.19 mW for d<2.5 cm (general population category). Thus, a SAR measurement is not necessary. The power density at a distance of 20 cm from the device as calculated from FCC OET Bulletin 65.

EIRP = 78.9 dBuV/m - 95.2 dB(uV/m/mW) = -16.3 dBm = 0.023 mWS(mW/cm²) = EIRP (mW) / $(4 \pi (20 \text{ cm})^2) = 0.000005 \text{ mW/cm}^2$