Environmental evaluation according to FCC part 15, §15.247(i) and RSS-Gen, section 5.5

The Client transceiver is classified as mobile, the calculation was done for power density at 20 cm distance.

Limit for power density for general population/uncontrolled exposure is 1 mW/cm^2 for 1500 -100000 MHz frequency range.

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

P_T is the transmitted power, which is equal to the peak transmitter output power plus maximum antenna gain. The maximum equivalent isotropically radiated power EIRP is

$$P_T = 24\ dBm + 2\ dBi = 26\ dBm = 398\ mW, \text{ where}$$

24 dBm is the EUT maximum output power,
2 dBi – antenna gain.

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

$$P = 398\ mW / 4\pi\ (20\ cm)^2 = 0.08\ mW/cm^2 << 1\ mW/cm^2$$

General public cannot be exposed to dangerous RF level.