RF Exposure Evaluation Report

Per 47 CFR 15.247 (b)(4), the EUT meets the requirement that it be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines (ref. CFR 1.1307, 1.130, and 2.1093. See also OET Bulletin 65, Supplement C).

The EUT is considered a portable transmitter per 47 CFR 2.1093.

The MPE estimates are as follows:

Table 1 in 47 CFR 1.1310 defines the maximum permissible exposure (MPE) for the general population as $1mW/cm^2$. The distance from the EUT's transmitting antenna where the exposure level reaches the maximum permitted level is calculated using the general equation: $S = (PG)/4pR^2$.

Where:

S = power density ($1mW/ cm^2$ maximum permitted level)
P = maximum power input to each of the two antennas (0.75 mW)
G = linear power gain relative to an isotropic radiator (3dBi = numeric gain of 2.0)
R = distance to the center of the radiation antenna

Solving for R, the $1mW/ cm^2$ is reached 0.34 cm or closer to the transmitting antenna. The antennas on the EUT are located within the case. The minimum possible separation of the antenna to the user occurs in the remote device. In the remote device the minimum possible separation of the antenna to the user is 0.7 cm.