Maximum Permissible Exposure (MPE) Evaluation

Applicant   : CASIO COMPUTER CO., LTD.
Equipment   : Handy Terminal
Model No.   : DT-X10M30URC
FCC ID   : BBQDT-X10M30URC

MPE Calculations
According to the OET Bulletin 65 (Edition 97-01)

$$S = \frac{PG}{4\pi R^2}$$

$$R = \sqrt{\frac{PG}{4\pi S}}$$

Where:
S=power density (in appropriate units, e.g. mW/cm^2)
P=power input to antenna (in appropriate units, e.g., mW)
G=power gain of the antenna in the direction of interest relative to an isotropic radiator
R=distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Tx Frequency= 2402 (MHz)
Maximum peak power= -2.45 (dBm)
Antenna gain= -0.95 (dBi)

S= 1 (mW/cm^2)
P= 0.57 (mW)
G= 0.80 (numeric)
R= 0.19 (cm)

The calculated minimum separation distance from antenna : 0.19 (cm)