Device has a cellular module with FCC ID: XPY1CGM5NNN, however there is no simultaneous transmission of BLE and cellular signals

The following calculation addresses the MPE estimation for the BLE only.

Prediction of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

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

where: S = power density

P = power input to the antenna

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

Maximum peak output power at the antenna terminal: 5.74 (dBm)

Maximum peak output power at the antenna terminal: 3.749730022 (mW)

Antenna gain(typical): 6.25 (dBi)

Maximum antenna gain: 4.216965034 (numeric)

Prediction distance: 20 (cm)

Prediction frequency: 2402 (MHz)

MPE limit for uncontrolled exposure at prediction frequency: 1 (mW/cm^2)

Power density at prediction frequency: 0.003146 (mW/cm^2)