## RF Exposure evaluation

According to 447498 D04 Interim General RF Exposure Guidance v01

## 2.1.2 1-mW Test Exemption

Per §1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

eirp = pt x gt =  $(EXd)^2/30$  where: pt = transmitter output power in watts, gt = numeric gain of the transmitting antenna (unitless), E = electric field strength in V/m, ---  $10^{((dBuV/m)/20)}/10^6$ d = measurement distance in meters (m)---3m So pt =  $(EXd)^2/30$  x gt

Field strength = 47.14 dB $\mu$ V/m @3m Antenna gain=0dBi So EIRP=47.14-95.2=-48.06dBm

10^-4.806=0.0000156 mW<1 mW

Then SAR evaluation is not required