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 = 86.93 dBμV/m @3m
Antenna gain=3dBi
So EIRP=86.93-95.2=-8.27dBm

10^-0.827=0.1489 mW<1 mW

Then SAR evaluation is not required