Maximum Public Exposure to RF (MPE) CFR 15.247 (i), CFR 1.1310 (e)

The maximum exposure level to the public from the RF power of the EUT shall not exceed a power density, **S**, of 1 mW/cm^2 at a distance, d, of 20 cm from the EUT.

Therefore, for:

   Maximum Peak Power (dBm) = 15.4 dBm at 802.11b 2437MHz
   Peak Power (Watts) = 0.0347 W
   Maximum Gain of Transmit Antenna = 1.5 dBi =1.41, numeric
   d = Distance = 20 cm = 0.2 m

   $S = (PG/ 4 \pi d^2) = EIRP/4A = 0.0347*(1.41)/4*\pi*0.2*0.2$
   $=0.0489/0.5030 = 0.0972$ W/m^2
   $= (0.0972$ W/m$^2) (1m^2/W) (0.1$ mW/cm$^2)$
   $= 0.00972$ mW/cm^2

   which is << less than 1.0 mW/cm^2

The MPE limits are below the threshold as stated in KDB447498 D01 V06 in Section 4.3. The calculations above are presented to show that the EUT meets the exclusion requirements.