(2) The minimum separation distance calculated following FCC OET Bulletin 65 is calculated as follows, where S is power density,

Smeas  $(3m) = -27.8 \text{ dBm/cm}^2$  (pk; from Table 5.2, ave + duty factor) = 0.00166 mW/cm<sup>2</sup> = 12.2 dBm/m<sup>2</sup> EIRP = Smeas (3m) x 4 $\pi$ R<sup>2</sup> = 12.2 + 20.5 = 32.7 dBm = 1862 mW = 1.86 W ERP = EIRP - 2.15 = 32.7 - 2.15 = 30.55 dBm = 1135 mW = 1.14 W

Thus, the power density at 20 cm becomes  $S(mW/cm^2) = EIRP(mW)/(4\pi R(cm)^2) = 0.37 mW/cm^2$ 

NOTE:

- (1) Under no circumstances is the ERP of this device greater than 3W, as required by 2.1091 and the FCC mm-wave accepted test procedures,
- (2) The DUT is only operating when the vehicle is in motion