

## Maximum Exposure Limit According to FCC § 90.1335, part 1, § 1.1307(b)

Power density limit in 3650 – 3700 MHz band for general population/uncontrolled exposure is  $1(\text{mW}/\text{cm}^2)$ .

The power density calculation is  $S = (P_t / 4\pi r^2)$ .

Where:

$P_t$  – The transmitted power (EIRP) (mW)

$r$  – The distance from the unit (cm).

The  $1(\text{mW}/\text{cm}^2)$  limit can be calculated from the above based on the following data:

$P_t$  – the maximum allowed transmitted EIRP = 46.1 dBm = 40738 mW.

Maximum allowed RF safety distance "r", where RF exposure limit may not be exceeded =  $\text{SQRT}(40738/4\pi)$  and is more than 57 cm from antenna main lobe.

Sincerely,



Roni Barshan  
RF Department Manager  
RADWIN Ltd.