MPE CALCULATION

The MPE calculation for NexGen City NexPod V.01 (320mW conducted power) @ 20cm:

$Pd = PG/ 4pi*R^2$
$= (320x1.5)/12.566* (20)^2$
$= (480)/12.566x 400$
$= 0.095\ mW/cm^2$

***Pd = power density in mW/cm^2**
*** G = Antenna numeric gain (1.5); Log G = g/10 (g = 1.75).**
*** P = Conducted RF power to antenna (320 mW).**
*** R = Minimum allowable distance.(20 cm)**

***The power density Pd =0.095 mW/cm^2 is less than 1 mW/cm^2 (listed MPE limit)**

***The SAR evaluation is not needed (this is a mobile device)**

*** The EUT(antenna) must be 0.2 meter away from the General Population.**