

FCC Maximum Permissible Exposure (MPE) limits for equipment operating in the frequency range 1500 – 100,000 MHz is 1.0 mW/cm<sup>2</sup>.

Following installation and commissioning, the safe distance from the antenna is the greater of:

20cm

Or

$r$  cm, where  $r = \sqrt{PG/4\pi S}$

P: power input to antenna(s) in mW

G: numeric gain of antenna relative to isotropic radiator

S: power density in mW/cm<sup>2</sup> = 1 mW/cm<sup>2</sup>

The safe distance from the antenna shall be the greater of:

20 cm or  $\sqrt{PG/4\pi S}$

### **FM3Nano**

$P \cdot G = 8.96$  dBm or 7.9 mW EIRP

$\sqrt{PG/4\pi S} = 0.79$  cm

Safe distance is 20 cm