

**APPENDIX A (DECLARATION OF COMPLIANCE TO MAXIMUM PERMISSIBLE EXPOSURE LIMITS FOR HUMANS)**

The Model SC-NT10 with 2400-2483.5MHz FHSS transmitter complies with Maximum permissible exposure limits for humans as called out in §1.1310. It is exempt from Maximum Permissible Exposure based on its operating frequency, and power density $0.04\text{mW}/\text{cm}^2$.

Calculation formula :

$$S = PG / 4\pi D^2$$

S : power density (W/m^2)
P : peak output power (W)
G : antenna gain (isotropic)
D : measurement distance (m)

Where :

P = 1.83dBm (see 23 page)
G = 1.45dBi
D = 0.2

Therefore :

$$S(\text{W} / \text{m}^2) = \frac{10^{\frac{1.83}{10}} \times 10^{-3} \times 10^{\frac{1.45}{10}}}{4 \times 3.14 \times 0.2 \times 0.2} = 0.0042337$$

$$S \doteq 0.04 (\text{mW}/\text{cm}^2)$$

This would be less than $1\text{mW}/\text{cm}^2$ when the separation distance between the user and the device's radiating element is less than 20cm.