**MPE calculation**

Model: **FC6000+**
FCC ID: **2AGKOFC6000P**
IC: **20878-FC6000P**

## MPE Prediction

| Frequency range (MHz) | Power density (mW/cm²) |
|---|---|
| 400 – 1500 | f/2000 |
| 1500 - 100000 | 1 mW/cm² |

Equation for calculation

$$S = P*G / (4\pi R^2)$$

Where:

S – Power density
P – Power input to antenna
G – Antenna gain relative to isotropic radiator
R – Distance to antenna

Maximum peak output power for Classic BT: 2.29 dBm (1.7 mW)

Maximum peak output power for BTLE: -0.15 dBm (1 mW)

Antenna gain at 2.4GHz band: 2.18 dBi

Prediction distance: 20cm

MPE limit for General Population/Uncontrolled Exposure: 1 mW/cm²

Power density at 20cm distance for Classic BT: **0.0006 mW/cm²**

Power density at 20cm distance for BTLE : **0.0003 mW/cm²**

Yous sincerely,

Imad Hjije