# FCC ID: S29MINI-CP

## RF Exposure requirements

### MPE Evaluation

$S = PG^* \text{ Duty factor} / 4\pi R^2$

P = Peak Power Input to antenna (Watts)

G =Antenna Gain (numeric)

R = distance to the center of radiation of antenna (in meter) = 0.20 m

Note:

1) P (Watts)=(10 A (dBm /10))/1000

2) G (Antenna gain in numeric) = 10A (Antenna gain in dBi /10)

3) Duty factor

4) π =3.142

**MPE Results**

| Antenna Gain (dBi) | Peak Output Power (dBm) | Peak Output Power (W) | Duty factor | Calculated RF Exposure @ 20cm ($mW/cm^2$) | Limit ($mW/cm^2$) |
|---|---|---|---|---|---|
| ≤ 0 | -0.19 | 0.0096 | 1 | 0.00019 | 1 |

**The device complies with RF exposure requirements for body exposure at a separation distance of 20 cm.**