

# FCC ID: S29WK-CTL01-D

## 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 centimeter) = 0.20 m

Note:

1)  $P \text{ (Watts)} = (10 A \text{ (dBm / 10)}) / 1000$

2)  $G \text{ (Antenna gain in numeric)} = 10A \text{ (Antenna gain in dBi / 10)}$

3) Duty factor

4)  $\pi = 3.142$

### MPE Results

Antenna Gain (dBi)	Peak Output Power (dBm)	Peak Output Power (W)	Duty factor	Calculated RF Exposure @ 20cm (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
≤ 3	12.81	0.019	1	0.003	1

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