

RF Exposure Evaluation

for

Blink IQ 200

**Model Number : IQW2-80U-M1-R2-N-25/
IQW2-32U-M1-R2-N-25/
IQW2-00U-M1-R2-N-00/ IQW2-80U-W1-N1-N-25**

FCC ID : PPQIQW2

IC : 4491A-IQW2

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Maximum Permissible Exposure Evaluation

Power Density at Specific Separation:

$$S = PG/(4R^2\pi)$$

Where S = Maximum power density (mW/cm²)

P = Power input to the antenna (mW)

G = Numeric power gain of the antenna

R = Distance to the center of the antenna = 20 cm

Measured maximum output power (P) is 16.53dBm = 44.98mW

The Numeric power gain of the antenna (G) is 2.43dBi = 1.75

$$S = (44.98 * 1.75) / (4 * 20^2 * \pi)$$

$$S = 0.016 \text{ (mW/cm}^2\text{)}$$

The maximum permissible exposure (MPE) for the general population is 1 mW/cm².

The power density at 20 cm distance to the center of the antenna does not exceed the 1 mW/cm². Therefore, the exposure condition is compliant with FCC rules.