

# Maximum Permissive Exposure

FCC ID: JI5-RT359333DB5

Product Name: 5GHz 802.11n 3T3R wifi module

Model No: SMC-RT359333DB5

## 5.2GHz band:

SMC Networks Inc declares that the product described above has been evaluated and found to comply with the RF exposure limits for humans, as specified based on ANSI/FCC recommendation. Based on safety distance 20cm, the antenna gain of 5GHz is 1.9 dBi, and the power output is 788.86mW, the power density is 0.0132 mW/cm<sup>2</sup>.

RF Exposure Calculations:

$$S = (P * G) / (4\pi * r^2) \text{ or } r = \sqrt{(P * G) / (4\pi * S)}$$

Where S = Power Density in mW/cm<sup>2</sup>

P = 16.34dBm = 43.052mW

G = 1.9 dBi = 1.548 Numerical

r = 20cm

$$S = 43.052 * 1.548 / (4\pi * 20^2) = 0.0132 \text{ mW/cm}^2$$

## 5.8GHz band:

SMC Networks Inc declares that the product described above has been evaluated and found to comply with the RF exposure limits for humans, as specified based on ANSI/FCC recommendation. Based on safety distance 20cm, the antenna gain of 5GHz is 1.9 dBi, and the power output is 788.86mW, the power density is 0.2429 mW/cm<sup>2</sup>.

RF Exposure Calculations:

$$S = (P * G) / (4\pi * r^2) \text{ or } r = \sqrt{(P * G) / (4\pi * S)}$$

Where S = Power Density in mW/cm<sup>2</sup>

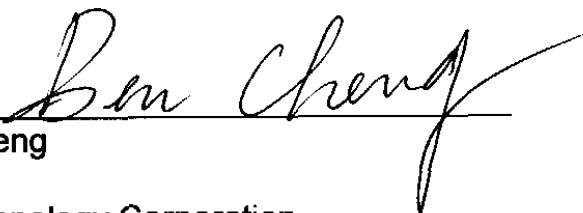
P = 28.97dBm = 788.86mW

G = 1.9 dBi = 1.548 Numerical

r = 20cm

$$S = 788.86 * 1.548 / (4\pi * 20^2) = 0.2429 \text{ mW/cm}^2$$

Sincerely Yours,



Mr. Ben Cheng

Manager

AUDIX Technology Corporation