

Maximum Permissive Exposure

FCC ID: JI5-RT539222SB24

Product Name: 2x2 2.4G WiFi Module

Model No: SMC-RT539222SB24

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 2.4GHz is 4.5 dBi, and the power output is 541.75mW, the power density is 0.3037 mW/cm².

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/cm²

P = 27.338dBm = 541.75mW

G = 4.5 dBi = 2.818 Numerical

r = 20cm

$$S = 541.75 * 2.818 / 4 * \pi * 20^2 = 0.3037 \text{ mW/cm}^2$$

Sincerely Yours,



Mr. Ben Cheng
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