

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 1.8 dBi, and the power output is 582.197mW, the power density is 0.1752 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

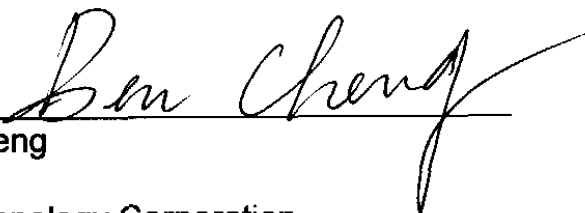
P = 27.6507dBm = 582.197mW

G = 1.8 dBi = 1.513 Numerical

r = 20cm

$$S = 582.197 * 1.513 / 4 * \pi * 20^2 = 0.1752 \text{mW/cm}^2$$

Sincerely Yours,



Mr. Ben Cheng

Manager

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