

Exemption from Routine Evaluation Exhibit

2.4GHz Radio

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RSS 102 Section 2.5 states that all transmitters that meet the output power requirements as stated in section 2.5.1 and 2.5.2 of RSS 102 are exempt from routine SAR and RF exposure evaluation.

Output Power Evaluation.

Evaluation Frequency = 2405MHz

Maximum Measured Field Strength at 3 meters = 99.03

Maximum Effective Radiated Power (dBm) = $99.03 \text{ dB}\mu\text{V/m} - 95.2 \text{ dB} = \underline{3.83}$

Maximum Effective Radiated Power (mW) = $\log^{-1}(\text{ERP}(\text{dBm})/10) = 2.415\text{mW}$

Section 2.5.1 general public use limit at 2405MHz = 20mW

FCC Limit output power $>60/f_{(\text{GHz})}$ is=25mW

Conclusion:

Since the maximum effective radiated power of ERP is less than the applicable section limit, the Product is exempt from SAR/RF Evaluation.