

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by **(Eq.1)** below:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}]$$

If result of Eq.1 is less than or equal to the exemption limits below, then corresponding SAR test is not required.

SAR Test Configuration	Exemption limit
<b>1-g SAR</b>	<b>Result of Eq.1 ≤ 3.0</b>
<b>10-g extremity SAR</b>	<b>Result of Eq.1 ≤ 7.5</b>

For our device, the parameters for consideration are as follows:

Frequency	Ghz	2.4835
Time averaged power over entire band in hopping mode and using DH5 modulation as worst case.	dBm	7.18
Time averaged power over entire band in hopping mode and using DH5 modulation as worst case.	mW	5.223962
Antenna to body separation distance	mm	10
Result of Equation 1		0.823251

*Conclusion: Therefore our device complies with FCC’s RF radiation exposure limits for general population without SAR evaluation.*