

§1.1307 and §2.1093-RF EXPOSURE EVULATION

1.1 Standard Applicable

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a

Exposure category	<u>low threshold</u>	<u>high threshold</u>
general population	$(60/f_{\text{GHz}})$ mW, $d < 2.5$ cm $(120/f_{\text{GHz}})$ mW, $d > 2.5$ cm	$(900/f_{\text{GHz}})$ mW, $d < 20$ cm
occupational	$(375/f_{\text{GHz}})$ mW, $d < 2.5$ cm $(900/f_{\text{GHz}})$ mW, $d \geq 2.5$ cm	$(2250/f_{\text{GHz}})$ mW, $d < 20$ cm

manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline. Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. According to FCC Exclusion list, In the following table, fGHz is mid-band frequency in GHz, and d is the distance to a person's body, excluding hands, wrists, feet, and ankles.

1.2 Measurement Result:

This is an Occupational device and the max effective radiated power is

The average powers, 2.5W (use the 50% duty factor) are less than the limit, <<Low Threshold - Occupational>> $(900/f_{\text{GHz}}) = (900/0.136) = 6618\text{mW}$, $d \geq 2.5\text{cm}$ The SAR measurement is no need.