

RF Exposure Evaluation

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According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission’s guidelines.

According to TCB Exclusion list, no SAR required if power is lower than the following threshold:

Frequency Range		Center frequency (MHz)	60/f SAR Limitation (mw)
Low Frequency (MHz)	Low Frequency (MHz)		
2415	2465	2442	24.57

Maximum measured transmitter power:

Conducted Average Power (dBm)	Max Antenna Gain (dBi)	EIRP (dBm/mW)
10.42	1	11.42 / 13.87

The averaging power was measured using average power meter with duty cycle set to 21.5% we declared that which is the maximum duty cycle in end user operating condition.

Threshold at which no SAR required is 24.57mw

Conclusion: No SAR is required.