

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)		
2412	2462	2437	24.62

Maximum measured transmitter power:

Conducted Average Power (dBm)	Max Antenna Gain (dBi)	EIRP (dBm/mW)
14.03	-1.5	12.53/ 17.91

The averaging power was measured using average channel power 14.03dBm. Threshold at which no SAR required is 24.62 mw

Conclusion: No SAR is required.