

## RADIO FREQUENCY EXPOSURE

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 KDB 447498 (2)(a)(i)

Frequency Range		Center frequency (MHz)	60/f SAR Limitation (mw)
Low Frequency (MHz)	High Frequency(MHz)		
2412	2462	2437	24.37

Maximum measured transmitter power: 802.11b

Conducted Power (dBm)	Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
10.86	12.19	1	15.35

Maximum measured transmitter power: 802.11g

Conducted Power (dBm)	Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
11.42	13.87	1	17.46

Maximum measured transmitter power: 802.11n

Conducted Power (dBm)	Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
11.95	15.67	1	19.72

For the Tune Up information from the applicant, the maximum output power is 11b (11dBm) 11g (12dBm) 11n (12dBm), so the worst case of Conducted Power and EIRP will be still less than FCC SAR exemption threshold.

Threshold at which no SAR required is 24.37 mw.

Maximum Tx power is 19.72mw EIRP

**Conclusion:** No SAR is required.