

5.9. RF Exposure

5.9.1 Limit

According to §15.247(i), 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 levels in excess of the Commission's guidelines. See § 1.1307(b)(1) of this chapter.

5.9.2 EUT Specification

Frequency Range		Center frequency (MHz)	60/f SAR Limitation (mw)
Low Frequency (MHz)	High Frequency (MHz)		
2412	2462	2437	24.62

Maximum measured transmitter power: 802.11b

Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (mw)
9.87	1.81	14.72

Maximum measured transmitter power: 802.11g

Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (mw)
9.67	1.81	14.06

Maximum measured transmitter power: 802.11n HT20 Mode

Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (mw)
9.39	1.81	13.18

Maximum measured transmitter power: 802.11n HT40 Mode

Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (mw)
9.46	1.81	13.49

5.9.3 Test Results

Threshold at which no SAR required is 24.62 mw.

Maximum Tx Output power is 14.72mw EIRP.

Conclusion: No SAR is required.