

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

Average Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (mw)
10.86	2.0	19.320

Maximum measured transmitter power: 802.11g

Average Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (mw)
10.43	2.0	17.498

Maximum measured transmitter power: 802.11n HT20 Mode

Average Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (mw)
10.39	2.0	17.338

Maximum measured transmitter power: 802.11n HT40 Mode

Average Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (mw)
10.32	2.0	17.061

5.9.3 Test Results

Threshold at which no SAR required is 24.62 mw.

Maximum Tx Output power is 19.320mw EIRP.

Conclusion: No SAR is required.