

## 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)
10.82	2.0	19.143

Maximum measured transmitter power: 802.11g

Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (mw)
10.63	2.0	18.323

Maximum measured transmitter power: 802.11n HT20 Mode

Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (mw)
10.34	2.0	17.140

Maximum measured transmitter power: 802.11n HT40 Mode

Conducted Power (dBm)	Max Antenna Gain (dBi)	EIRP (mw)
10.42	2.0	17.458

### 5.9.3 Test Results

Threshold at which no SAR required is 24.62 mw.

Maximum Tx Output power is 19.143mw EIRP.

**Conclusion:** No SAR is required.