SB2000, airNIC Technical Specifications

Frequency of Operation: 2400MHz to 2483.5MHz, ISM Band

Type of Device: Direct Sequence Spread Spectrum Transmitter /
                                Receiver

Compliance: IEEE 802.11b

Total Number of Channels: 11, FCC, overlapping, 5MHz spacing
                                13 ETSI
                                14 Japan

Transmitter Power Output: -2.0 dBm (max)

Modulation Technique: Direct Sequence Spread Spectrum
- CCK for 11 & 5.5Mbps
- DQPSK for 2Mbps
- DBPSK for 1Mbps

Spreading Sequence: 11 bit Barker Sequence

Internal Clocks Used: 12MHz, 36MHz, 44MHz

External Antenna Gain: +2.2dBi (max), half wave dipole

External Antenna Impedance: 50 ohms

Data Rate: 11 M bits / sec

PC Interface: USB, 1.1

Power Requirements: 5VDC from USB, 350mA (typical)

Weight: 150gms (max)