

CIRCUIT DESCRIPTION

Model:

5150I and 5150E

(where 5150I and 5150E are internal and external antenna versions of the product)

Oscillators' Frequencies:

14.4Mhz; 1738Mhz – 1788Mhz

CPU Operating Frequency:

4.8Mhz

Power Input Source:

Power supply requirement: +5 volts powered by an External 12 to 5 VDC-DC converter

Antenna 5150E

- Frequency range: 824Mhz – 894Mhz
- In/out impedance: 50 ohms – unbalanced
- Gain: +0.8dBi (peak); -2.6dBi (average)

Antenna 5150I

- PCB mounted GPS 1574Mhz patch
- LNA and matching circuit
- PCB mounted 824 – 894MHz

Transmitter

Transmit frequencies – 824.1Mhz to 849 Mhz

Maximum RF output power is 1200mW

Channel spacing: 30Khz

20dB bandwidth: 19Khz

Oscillator frequencies: 824Mhz – 849Mhz