

916.5 Mhz Receiver Operation Description

The receiver is based on the RF Monolithics ASH (Amplifier Sequenced Hybrid) receiver. The receiver has an input SAW filter centered at 916.5 Mhz. It has no local oscillator or regenerative circuits. The only oscillators in the receiver are a 455 KHz ceramic resonator oscillator for the microcontroller, a 0.2 Hz oscillator for the paging motor, and a 2 KHz oscillator for the audible alarm. The unit is powered by batteries and has a 1.4 wavelength monopole antenna.