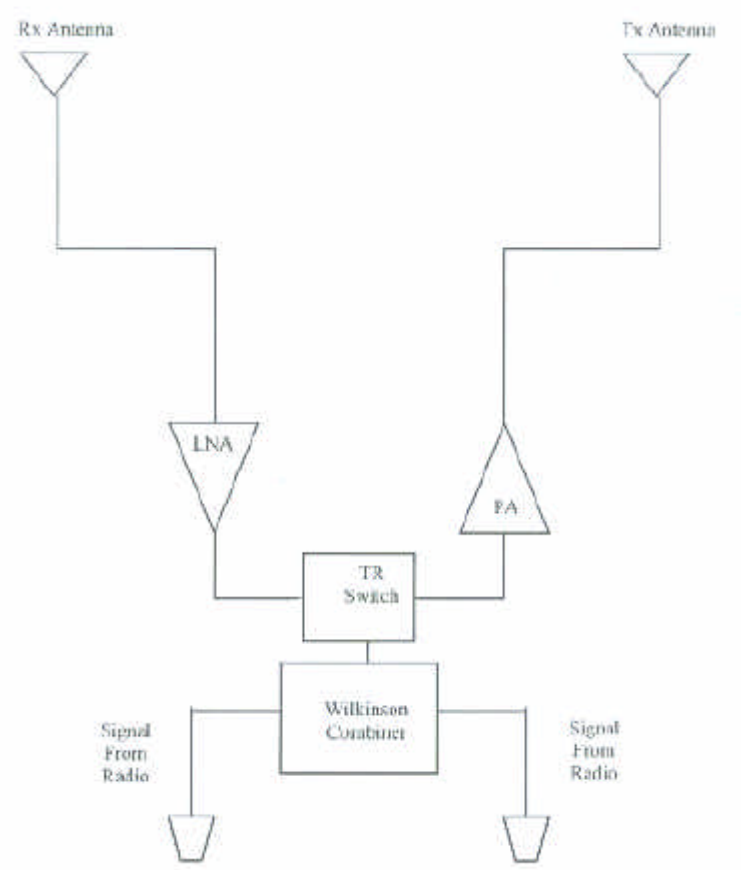
Operational Description

The WSB24 consists of a RF power amplifier and a wireless access point router, BEFW11S4.

- The operational Frequency Band: 2400~2483.5MHz
- Number of channel: 11
- Channel spacing: 5 MHz
- Rated RF output power: 120.2mW
- Modulation type: QPSK/BPSK/CCK
- Bit rate of transmission: 11Mbps
- Antenna type: Sleeve dipole



To Access Point / Router

Other description for the Signal Booster:

The radio signal is taken from the radio through one of two diversity ports via two custom cables. The cable is made from (1) RP-SMA, (1) RP-TNC, and a 12 cm length of RG-316. The signal travels through a Wilkinson Combiner and into a TR Switch that will switch the RF signal based on whether the signal is coming from the antenna (Rx) or from the radio (Tx).

The propagating antenna is a 2 dBi dipole standard with the radio. The antenna is taken off of the radio and screwed onto the amplifier. The radio is then connected to the amplifier through two custom cables.

The amplifier is a stationary device that will sit on the top of the radio and provide a maximum fixed gain of 10 dBm.