

Expository Statement

Equipment Name: Vantage Pro 2 Console/ Transceiver

Model Number: 6312

Description : The 6312 is a receiver for a weather station. It transmits/receives information every 2.5 seconds using Frequency Hopping Spread Spectrum technology with Frequency Shift Keying the carrier at 19200 baud rate. It hops through 51 channels using a pseudo-random hop table through the 902-928Mhz band. And displays this information in a variety of units including metric and US units. It's powered from either 3 C cell batteries or 5 volt adapter.

Circuitry: The 6312 contains 1 circuit board and an LCD display. The PCB contains the RF transmitter,

Antenna: The antenna is 4" helical copper wire inside a 4" long plastic housing. It makes approximately a $\frac{1}{4}$ wave dipole with the ground plane of the board.