



VTE-1 Voting Tone Encoder

Midian Electronics' VTE-1, voting tone encoder (also known as a pilot tone generator or status tone generator) with a 600-ohm line driver, pairs with a radio receiver to create an analog satellite voting receiver or auxiliary receiver. Satellite voting receivers are spread out over a geographic area to provide greater radio coverage and are connected via a dedicated line, telemetry link or microwave to a voting comparator. The voting comparator looks at the signal to noise ratio from multiple voting receivers and passes the best quality signal to the dispatcher/repeater.

The VTE-1 looks at the COR coming from the receiver. When COR is inactive the VTE-1 generates a voting tone to the voting comparator. This tone is selectable as 1950 Hz, 2175 Hz, 1600 Hz or 2700 Hz. Custom tones can also be ordered from Midian. When the receiver's COR is active the tone is no longer generated and the audio from the radio is sent to the voting comparator.

Midian's VTE-1 is compatible with the following types of voting systems:

- **Motorola Spectra-TAC**
- **JPS Communications (Raytheon) SNV-12**
- **GE Mastr II**
- **RF Technologies Eclipse**
- **Other systems using 1950 Hz, 2175 Hz, 1600 Hz or 2700 Hz as the voting tone.**



Shown: VTE-1

