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VCom TRI1819 Subscriber Transceiver

Functional Description

The VCom TRI1819 is an outdoor RF subscriber transceiver for use in broadband wireless systems. The TRI1819 consists of a low noise downconverter, high power upconverter, high rejection duplexer, and a weatherized enclosure with an integrated planar antenna to provide an integrated transceiver for 1.9 GHz subscriber terminals.

The TRI1819 serves to frequency translate and amplify the upstream and downstream signals to the appropriate intermediate frequencies for use by an indoor DOCSIS-compliant modem or other modem.

The TRI1819 utilizes microprocessor controlled gain compression over the full temperature specification and automatic transmit RF mute so that it transmits only when an IF signal is present.

The TRI1819 is situated outdoors and connected to the cable modem indoors with a 75 ohm cable. A single RF F-connector is used to interface to the receive/transmit antenna.