

Operational Description for
Ambient Recording GmbH
Model: BBTX915
FCC ID: PDZ ACDTXRX915

Functional description

The TX3 transmitter module uses a frequency modulated crystal-locked PLL and operates between 2.2V and 10V at a current of 10mA nominal. At 3V supply it delivers nominally 0dBm (1mW) RF output. The SIL style TX3 measures 32 x 12 x 3.8 mm excluding the pins.

The RX3 module is a single conversion FM superhet receiver capable of handling data rates of up to 50kb/s. It will operate from a supply of 2.7V to 13V and draws 9.5mA when receiving. The RX3 features a fast power-up time for effective duty cycle power saving and a signal strength (RSSI) output with 75dB of range. Full screening and a SAW front-end filter give good immunity to interference. The SIL style RX3 measures 48 x 17.5 x 4.5 mm excluding the pins.