

Description of Operation
Hetronic
FBTX-01 Transmitter

The **Hetronic, FBTX-01** is a UHF FM-narrow band transmitter module (a factory installed subassembly) with PLL controlled oscillator for high frequency stability. It transmits simple FSK-based control data at 4800 baud to a receiver that actuates industrial cranes and associated equipment.

The EUT operates on one of the five factory-set frequencies near 915 MHz and is designed for compliance with 47 CFR 15.249 of the FCC rules. The frequencies are given below.

915.6 MHz
915.650 MHz
915.7 MHz
915.750 MHz
915.825 MHz

The system is a portable, hand-held or clothing-affixed remote control unit, actuated by key lock and a small array of membrane keys:

The **FBTX-01 Transmitter** can be operated in its host device, a portable battery-operated system generally held or attached to the operator's clothing. Switching on the device allows it to continuously transmit a FSK data pattern in a one-way fashion to a receiver.