

SECTION 2.1033(b) (2a). For Part 15 a statement describing how the device operates.

The 5819-1 panic alarm transmitter consists of a message encoding chip (U2) , a SAW - stabilized Colpits oscillator (Q4) , and PA stage (Q7). The message encoding chip is responsible for:

1. generating the alarm message
2. generating the tamper and supervision messages.
3. performing all watchdog functions.

When sending a message, the message encoder chip turns on the SAW oscillator (Q2) using Q3 to Apply VCC SAW device Y1 sets the frequency, of the oscillator (Q2). The encoder chip then uses transistors Q5 - 6 to key the PA (Q7). This is on / off AM modulation (FCC Type 100KK1 modulation )a Tank circuit and coupling caps, suppress harmonics, tune the antenna to resonance.