

Operational Description

The "Impulse" server call system is intended to be used to summon restaurant waitstaff. It's a simple device that uses a standard Linx txm315lc tx module.

The Linx txm315lc transmitter is a saw stabilized AM transmitter using AM keyed carrier modulation on a frequency of 315.0 mhz. The transmitter is based on a surface wave acoustic crystal oscillator in an oscillator/rf amplifier configuration. The output of the rf amplifier is isolated, filtered and matched to feed a 50 ohm antenna output. The txm315lc transmits data using am cpc (carrier-present carrier-absent) modulation. This type of modulation is also known as cw (continuous wave) or ook (on-off keying). AM cpc modulation represents a logic low '0' by the absence of a carrier and a logic high '1' by the presence of a carrier. The occupied bandwidth is less than 50 khz.