

Operating Configurations:

The unit is a handheld telephone handset which is typically used in the following fashions.

- 1) Held to ear and mouth like a typical handset.
- 2) Held by hands in fashion to program portions of the system it communicates with by observing information on the LCD display.
- 3) Unit is on special base that is used to charge it, but may be brought off hook to be used as a speaker phone in conjunction with the microphone built into the charging base.

Modes of operation include transceiver for voice or data, idle mode of operation, including charging or non-charging of the batteries via separate charging cradle.

Duty Cycle/Transmission Protocol

The unit is for use as a telephone and requires a protocol that allows for both transmit and receive. Duty cycle corrections were based upon the following information as supplied by Axlon Electronics Corp.

Voice mode : duty-cycle :50%



For purposes of averaging spurious emissions, the following correction was applied.

Worse Case duty cycle per 100 msec = $4.5\text{ms}/9.0\text{ ms} = 50\%$

Duty Cycle Correction = $20 \log (0.50) = -6.0 \text{ dB}$