EXHIBIT 1-1   5800RP FUNCTIONAL DESCRIPTION

The 5800RP repeater is a part of a wireless security system for burglary and fire alarm applications. The 5800RP operates on a single frequency, 345MHz, for both transmitted and received messages. The message from a 5800 series security transmitter is received by the 5800RP then retransmitted immediately following completion of the originating message. The total on-air time of the original message plus the repeated message time is less than 5 seconds in accordance with 15.231 a).

The 5800RP only repeats messages from Ademco transmitters. The transmitters which send messages with a valid, repeatable message format and their FCC ID numbers are listed in Exhibit 3 with appropriate duty cycle calculations.

Note that some Ademco transmitters send "control" messages and are approved per 15.231a), whilst others send "data" and are approved per 15.231e). Therefore the repeater is designed to retransmit at either a high power level when it is repeating a control message, or at a low power when repeating a data message, thus there are two sets of measurements reported in exhibit 5, these are the worst case emissions for the "High Power" or "Low Power" transmissions.

The output power level of the repeater is independent of input power level.