

5801-1CIRCUIT DESCRIPTION

The 5801-1 consists of an oscillator (Q2 etc.) whose FDE is a 345 MHz SAW (XL1) the output of the oscillator is coupled into the base of the PA (Q3 etc.) via C13 The output of the PA is modulated by modulator (Q4&Q5 etc.) and tuned and coupled into the antenna (L4, ANT, L5 etc.) via the output tuning network (L1, C19, C17,C18, etc.). The message chip (U1 etc.) turns the oscillator (Q2 etc.) on and off, and generates the control and panic messages that are sent to the modulator (Q4&Q5 etc.). The Message chip (U1 etc.) also controls all timing functions, including seeing that transmissions do not exceed regulations. Since the 5801-1 is portable it is not normally supervised, and sends no transmissions except manually initiated control (arm – disarm) and alarm (panic) transmissions. However the the 5801-1 has the option to be wall mounted in which case the user (professional installer) may enable the supervision.