RECEIVER:

Saw device HDF 914A generated the 914.5 MHz original benchmark for comparison with incoming signal from antenna.

Before the comparison the 914.5 MHz is pre-amplified and mixed with the input signal a low-pass filter produce the difference as a control signal and fed to a limiter.

The comparison OA (operational Amplifier) check is there an incoming signal (915 MHz) appeared, and decide whether to on or off the open collector output transistor the collector output is fed to MCU (zilog 86E04), The MCU then decoded the received signal base on a communication prototype. The decoded information pass a simple process and drive the sound & LED.