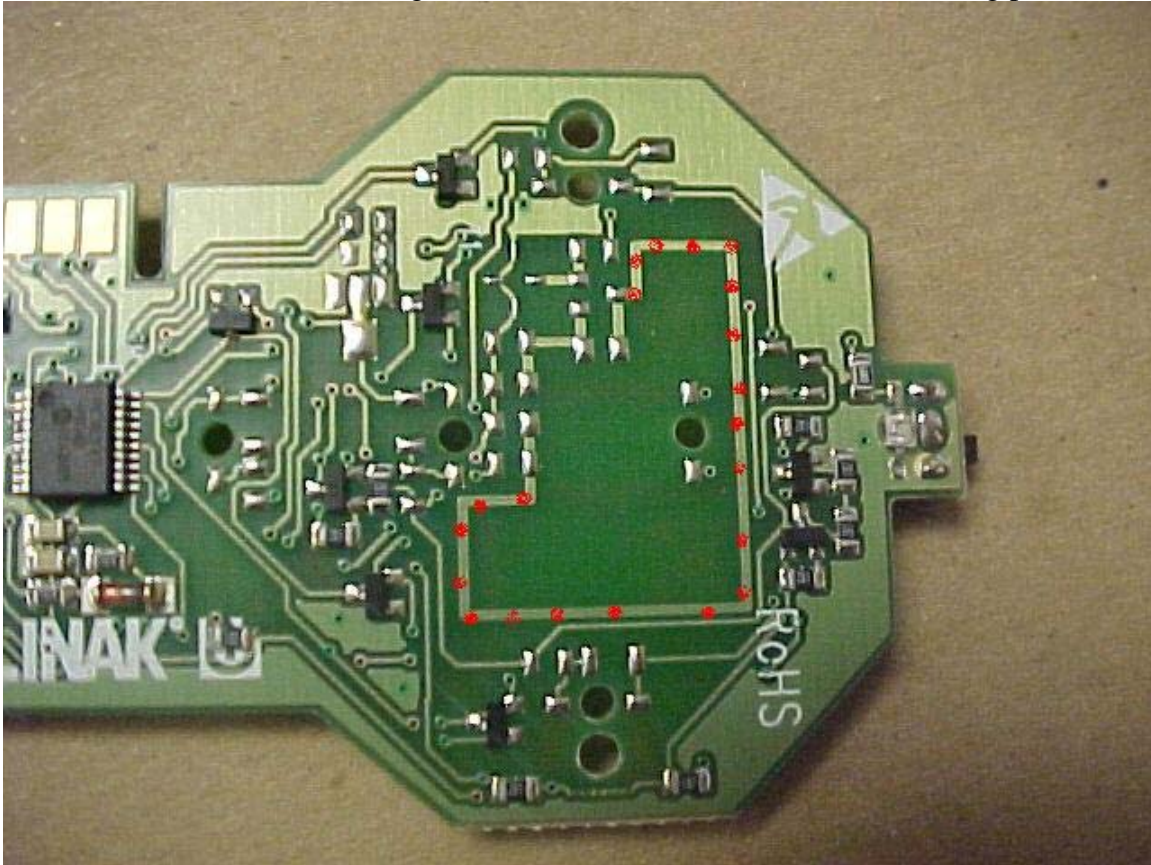


The MAHB has an antenna integrated into the PCB as shown in the following picture:



The amplification is done by a transistor similar to the one at the end of this document (Schematic Designator Q2)

The frequency source is provided by a SAW Resonator (Schematic Designator T1). A datasheet for a similar component is attached at the end of this document.

The modulation scheme is ASK of inverted serial data directly from a microcontroller (Schematic Designator U1). The baud generated from the UART in the microprocessor is 2400. This inverted signal is fed directly to the SAW resonator so the device transmits when the serial line from the micro processor is low and is not transmitting when the serial line is high (off). Inversion performed by Schematic Designator Q4.