A brief description of the circuit function

Product : Superregenerative Receiver

Trade name : THORN

FCC ID. : HH8-THORN99-RX

As shown in an attached diagram, the modulated carrier (303.875MHz) received by a rod antenna is amplified by a transistor (Q1) and the signal is put into the transistor (Q2) which is making a periodic quenching oscillation.

The modulating code signal is detected from the modulated carrier signal at this transistor and amplified by on OP amp. (IC4) and then is put into the input of a decoder IC (IC3).

If this code signal corresponds to the code signal of the decoder, the pulse signal is generated from the output of the decoder.