



IDT Technology Limited

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Technical Description of THGR800

THGR800 is a 3 channels remote sensor. It is powered by 2pcs size AAA batteries (DC 3V)

The EUT's main MCU uses MSM64162A of OKI company. Every 53 second, it will detect temperature and humidity value, and send the data to the receiver unit via 433.92MHz carrier wave signals.

(433.92MHz)

The transmitter module uses ASK modulation circuit. A SAW Y1 resonator to ensure the carrier wave frequency accuracy. The ASK signal is transferred through matching network and Pi-network attenuator, then transmitted via 2pcs spring antennas.

(R8 R9 R10)

(L5 C10 C11, L4 C12 C14)