IDT Technology Limited

萬威科研有限公司

Technical Description of UVN800

UVN800 is a 1 channel remote sensor. It is powered by 2pcs size AA batteries (DC 3V)

The EUT's main MCU uses TM8722 of TENX company.Every 73 second,it will detect UV value, and send the data to the receiver unit via 433.92MHz carrier wave signals.

Q1   433.92MHz XT1

The transmitter module uses ASK modulation circuit.A SAW resonator to ensure the carrier wave frequency accuracy. The ASK signal is transfered through matching network and Pi-network attenuator , then transmitted via 1pc spring antenna.

(C20,C26,C27,C28,C29,L4)

(R15,R16,R17)