

FCC Operation description

Power supply:

The products include two parts, namely THERMOSTAT and MEDIATOR.

The THERMOSTAT power supply uses 4 AA batteries or 24V AC from transformer. It's work current about 60ma.

The MEDIATOR power supply from adapter of external DC 5V/ 1A . It's work current about 300ma.

Antenna:

The M&T(Mediator and thermostat) antenna type is difference. M is a dipole antenna. T is microstrip antenna.

M&T and server is composed of a set of wireless remote control system. M and server through the Ethernet transmission control instructions and information. M and T via 2.4G wireless transmission control instructions and information. The wireless transceiver is compatible with IEEE802.15.4, it is the CC2530 from Texas Instrument's, it's maximum RF output power is 4.5dbm

FCC Tune Up Description

Frequency: 2.400 – 2.483 GHz IEEE802.15.4

Modulation: 2000kchip/s O-QPSK

Carrier frequency modulation model: DSSS O-QPSK

RF power: 4.5dBm

Information of antenna

GAIN: MEDIATOR 5DBi , Thermostat -10DB +/-1DB

Impedance: 50 OHM

VSWR: <= 1.92