Applicant: Acumen Technologies Ltd.
FCC ID: EPK502

Operation Description

In FDC502 Remote control, 350MHz transmitting frequency is adopted. MCU change the operational order to the signal of low frequency data string, then output.

Next, Add this signal level to the both ends of 350MHz Crystal oscillator in order that the crystal oscillator could produce 350MHz high frequency wave of oscillations.

High frequency wave as carrier signal to be amplified power，make the amplified carrier signal produce frequency resonance on LC return circuit, so as to obtain RF signal with enough power and emit.

LCD mainly display time, temperature and according function status for easy operation. And the LCD backlight can only be lighten by operating function, it’s for see clearly when operation in the dark.

Temperature Probe is to detect ambient temperature then display the data on LCD.

Child-Proof (C-P) switch is to prevent terminating machine from appearing abnormal by child faulty operation.

Code switch is to request the user to set coding number to ensure that the each terminating machine won’t be influenced by neighboring user operate remote control in the same time.

Antenna is formed by a copper trace on the PCB. Common grounding on PCB is not connected to real external ground. Power supply is DC 4.5V by three “AAA” batteries.