

## **FCCID: RKMML1050**

### **1. Operation Description**

The equipment under test ( EUT) is a mood light panel operating at 433MHz.. The sequence of lighting mode is controlled by the associated transmitter.

### **2. Circuit Description**

#### **Panel Control(RX section) Performance Description**

1. The whole panel is powered up by an external connected 5V switching power supply.
2. When the receiver module using LC as local oscillator receives the On-off keyed modulation signal and demodulated to digital signal to the MCU W742.
3. MCU W741 decode the code received and send out a STB to MCU W742 if the code is valid, then W741 will send command to MCU W742 through the data lines.
4. MCU W742 will send out the corresponding control sequence to the I/O ports for driving the RGB LEDs on the 4 LED boards according to the received command from MCU W741.
5. When the 5V supply is cut off, the MCUs will go into the sleep mode which is backup by the rechargeable 3.6V NiMH battery.