

## Circuit Description

Model: ST-MKB699W

- a. The U3, D1 circuit for adjusting voltage is used for supplying enough voltage to MCU, optical sensor, and RF circuit.
- b. The function of MCU MA13356 is used for gathering signal produced by key operation and transmitting the signal to RF circuit formed by C17, C19, L3 and other electronic components to modulate, amplify and send out via antenna.
- c. The RF signal of 2408-2474MHz is generated by MA13356, a crystal of 12MHz as base clock signal of the MCU.

### Antenna Specification:

Type of Antenna: PCB Antenna

Frequency Range: 2400-2483.5MHz

Maximum Gain: -0.76 dBi

Impedance: 50 ohm

Size: 9.5mm x 4.0mm

### Antenna View

