

## Description of Operation

The EUT is a **Wireless Door Sensor**, it operates when the cover switch(SW1) or back switch(SW2) or reed switch(SW3) has been triggered, the MCU(U1) will receive the trigger report and forward it to PT4455(U2) via radio frequency to transmit the data to control unit for communication

### Door Sensor

1. Normal operation, the LED will not light.
2. The **HD2104** door sensor is equipped with cover switch. If the cover of sensor is removed, the door sensor will send alarm signal to the controller, and the LED will go solid. Before replacing the cover, the sensor is under "Awake" mode.

The device adopts ASK modulation. And the antenna was a PCB Antenna.

Modulation Amplitude Shift Keying (ASK)

Frequency deviation Center frequency 433.92MHZ  $\pm$  **75kHz**