



**IDT Technology Limited**

萬 威 科 研 有 限 公 司

## **FACSIMILE COMMUNICATION**

### **Technical description of PS-R01**

PS-R01 is a transmitter, which it operated at 433.92Mhz at the center frequency with integral antenna. The EUT powered by 3V DC ( 2 X UM-3 or “AA” size 1.5V batteries ).When the batteries supplied to the unit, the MCU (U1) start to collect all relative data from the sensing devices, (eg TEMP, Humidity, Channel and C/F setting ). After the conversion by MCU U1, all data have be converted to serial signal and display the actual value on the LCD display , which the signal of that data should be OOK format.

The X102 as the SAW filter, it used to control the OSC frequency at 433.92Mhz , the OOK signal have be amplified by Q101 and radiated from interal antenna.