

# *Description of operational*

## **Principle of Transmitter Unit**

**When the pushbutton on the Transmitter is pressed, the MCU (Micro Control Unit) immediately sends the signal of the PWR CTRL (Power Control) and FSK DATA (Frequency Shift Key DATA) to make the TX IC (Transmitter IC) worked.**

**As soon as the TX IC starts working, the XTAL (Crystal) and the VCO (Voltage Control Oscillator) get oscillating, then the VCO goes through 1/64 Frequency Divider to the PD (Phase Detector), and continue to LF (Low pass Filter) then back to the VCO to make the frequency locked that gets through 1/2 Frequency Divider and AMP (Amplifier) and LPF (Low Pass Filter), at last transmitting the signal out by the Antenna of the Transmitter.**