

## Technical Description

The equipment under test (EUT) is a Flexible Bluetooth Keyboard. The EUT can connect with your iPhone or iPad via Bluetooth function. It is operated by internal rechargeable battery and can be charged by PC or USB charger with DC 5V, Output. The EUT just can working in Bluetooth wireless mode when in charging states. For more detail information pls. refer to the user manual.

Channel No.: 79 channels

Frequency of operation: 2402MHz-2480MHz

Channel spacing: 1MHz

Modulation Type: GFSK

Bluetooth Version: 3.0

Antenna Type: Integral antenna

Antenna Gain: 1.2dBi

The nominal conducted output power specified: -2dBm (Tolerance: +/- 3dB)

The nominal radiated output power (e.i.r.p) specified: -0.8dBm (Tolerance: +/- 3dB)

Keyboard:

- (1) Once a key or multi keys of keyboard are pressed or released, the signal change will be detected by MCU.
- (2) The MCU converts these signals into HID data packet.
- (3) The MCU send HID data packet to Bluetooth Module via uart interface.
- (4) The BT module transmits the modulation signal on frequency of 2.4GHz using FHSS modulation.

In Bluetooth Module:

- 1) U1 acts as Bluetooth chip.
- 2) Y1 is a 24MHz oscillator for Bluetooth chip.
- 3) U2 acts as EEPROM.