

**Macro Power Pte Ltd**

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## Operation Description

The 26 MHz crystal oscillator drives the base of IC the final/buffer amplifier. The modulation provided by IS1621M-152. The output of IC has the matching network consisting of U3 AX2017 and C31, C1, C13 that limit the harmonic content and effect the proper coupling of the antenna to the output stage. Antenna, Ground and Power Source.

The antenna consists of a PCB antenna

There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 3.7 Volt ("4.8mm\*35mm\*55mm" size battery 850mAH) primary battery

### Operation Descriptions

The transmitter is a Bluetooth speaker operating at 2400MHz ISM band. The transmitter is powered by a 3.7V battery ("4.8mm\*35mm\*55mm" size battery 850mAH) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse / amplitude / frequency modulating signal on the 1MHz carrier frequency.

### Remarks:

The transmitter is a button transmitter. The EUT continues to transmit while button is being pressed. It is button transmitter, Modulation by IC; and type is GFSK modulation.