

## Circuit Description

The EUT is a 2.4GHz TWS Earbuds with 79 channels operating at 2402 - 2480 MHz. It is powered by 3.7VDC battery. Modulation Type: GFSK,  $\pi/4$ -DQPSK, 8DPSK

The working principle of the BT that The product has Bluetooth connection to play music, Bluetooth call function.

1. Receive and transmit pairs of RF signals through the Bluetooth module of the antenna together with other Bluetooth devices. The received audio signal is processed through the internal audio of the module and output from the AB5656C2 foot to the speaker.
2. When the mobile phone device is paired with a Bluetooth connection, the audio signal can be transmitted to the AB5656C2 foot input via the MIC during the broadcast call and output to the speaker through the IC internal audio processing.

The functions of main Components are mentioned as below:

- 1) U1 acts as Bluetooth IC (AB5656C2).
- 2) Y1 acts as crystal 26MHz