Operation Description

The 24MHz crystal oscillator drives the base of Y1.
The modulation provided by IC BT8922E2(U2). The output of has the matching network consisting of F1 and M3 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 2.4GHz Meander line FPC antenna.
Antenna gain: -1.85dBi.

There is no external ground connection. The ground is only that of the printed circuit board.
Electric current is supplied by Input 3.85V.

Operation Descriptions
The transmitter is a Smart Bluetooth Hearing Aid(ITE) operating at 2400-2483.5MHz band. The transmitter is powered by 3.85Vdc and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 2400MHz carrier frequency.
When the NTAG is positioned in the RF field, the high speed RF communication interface allows the transmission of the data and enable the Bluetooth pairing

Remarks:
The EUT continues to transmit while power on. Modulation by IC; and type is GFSK, π/4-DQPSK, 8DPSK modulation. Bluetooth Version is Bluetooth BR+EDR+BLE. The module supports LE mode.