

# Technical Description

Report No.: 16080858HKG-001

The Equipment Under Test (EUT) is a portable 2.4GHz Transmitter (Controller Unit) for a RC stuffed elephant operating at the frequency range of 2425-2475MHz with the following occupied channels, 2425MHz, 2444MHz, 2451MHz and 2475MHz.

The EUT is powered by 2\*1.5V AAA battery. After switching on the EUT and pressing the button, the stuffed elephant will produce sound.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 71.1dB $\mu$ V/m at 3m

Maximum allowed field strength of production tolerance: +/- 3dB

The brief circuit description is listed as below:

1. U1 and the associated circuit act as MCU.
2. Y1 and the associated circuit act as frequency oscillator.