

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transmitter for a Stroller with LED light. The sample supplied operated on a single channel, 2462MHz.

The EUT is powered by 1 x 3V Button Cell. After switching on the EUT, the LED light on the wheels of the stroller will be switched on.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 94.7dB μ V/m at 3m (Peak), 71.2dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (XL2402) acts as MCU
2. Y1 acts as 16MHz Oscillator
3. C7 and R2 act as antenna matching circuit
4. C8, C9, C12 and C13 provide power regularizing function.