

## Technical description

The EUT is a wireless toy microphone working at 2.4GHz band. It is comprised of transmitter and receiver. The transmitter sends the audio coding signal by high-frequency carrier wave. The receiver gets the high-frequency coding signal by the super regenerative receiver circuit and drives the speaker after coding .The receiver is powered by four AA Batteries, and the transmitter is powered by four AAA batteries.

Modulation type: GFSK

Antenna Type: Integral antenna

The transmitter main circuit function:

U10 acts as power regulator.

U2 acts as MCU.

U1 acts as 2.4G RF chip.

Y1 is OSC for U1.

Frequency list(MHz):

2405.0	2405.5	2406.0	2406.5	2407.0	2407.5	2408.0	2408.5	2409.0
2409.5	2410.0	2410.5	2411.0	2411.5	2412.0	2412.5	2413.0	2413.5
2414.0	2414.5	2415.0	2415.5	2416.0	2416.5	2417.0	2417.5	2418.0
2418.5	2419.0	2419.5	2420.0	2420.5	2421.0	2421.5	2422.0	2422.5
2423.0	2423.5	2424.0	2424.5	2425.0	2425.5	2426.0	2426.5	2427.0
2427.5	2428.0	2428.5	2429.0	2429.5	2430.0	2430.5	2431.0	2431.5
2432.0	2432.5	2433.0	2433.5	2434.0	2434.5	2435.0	2435.5	2436.0
2436.5	2437.0	2437.5	2438.0	2438.5	2439.0	2439.5	2440.0	2440.5
2441.0	2441.5	2442.0	2442.5	2443.0	2443.5	2444.0	2444.5	2445.0
2445.5	2446.0	2446.5	2447.0	2447.5	2448.0	2448.5	2449.0	2449.5
2450.0	2450.5	2451.0	2451.5	2452.0	2452.5	2453.0	2453.5	2454.0
2454.5	2455.0	2455.5	2456.0	2456.5	2457.0	2457.5	2458.0	2458.5
2459.0	2459.5	2460.0	2460.5	2461.0	2461.5	2462.0	2462.5	2463.0
2463.5								