

FCC ID: WIC-SZESKY001

Circuit Description

The IC (U5) oscillation circuit drives the base of U1 the final/buffer amplifier. The modulation provided by IC. The output of U1 has the internal matching network that limits 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 35cm long Metal antenna. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 12 Volt ("AA" size battery x 8) primary battery

Operation Descriptions

The transmitter is a remote control toy operating at 2410-2473MHz band. The transmitter is powered by a 12V battery ("AA" size battery x 8) and the transmitting frequency is IC controlled. There are 2 joysticks to control the forward reverse motor and director of movement. The operation is achieved by different combinations of form pulse modulating signal on the 2410-2473MHz carrier frequency.

Remarks:

The transmitter is a 2 joystick transmitter. The EUT operating frequency starts hopping when switched on, once the joystick is being pressed, the operating frequency will remains steady in an unoccupied channel. It is 2 joystick transmitter, Modulation by IC; and type is GFSK modulation.

Remark: Due to the accuracy of our measurement is up to 5 decimal places, this will lead to the actual results has a 0.1MHz difference to the frequency list.

关于 2.4G 测试的相关参数

2.1.Frequency Range: **2410-2473MHZ**

2.2.Type Of Modulation: **FSK**

2.3.Occupied Bandwidth(99% BW): **64MHZ**

2.4.Channels: **64Channels**

2.5.Channel Separation: **1MHZ**

2.6.Duty cycle: **25%**

2.7.Frequency Channel list:

2410, 2411, 2412, 2413, 2414, 2415,

2416, 2417, 2418, 2419, 2420, 2421,

2422, 2423, 2424, 2425, 2426, 2427,

2428 ,2429, 2430, 2431, 2432, 2433,

2434, 2435, 2436, 2437, 2438, 2439,

2440, 2441, 2442, 2443, 2444, 2445,

2446, 2447, 2448, 2449, 2450, 2451,

2452, 2453, 2454, 2455, 2456, 2457,

2458, 2459, 2460, 2461, 2462, 2463,

2464, 2465, 2466, 2467, 2468, 2469,

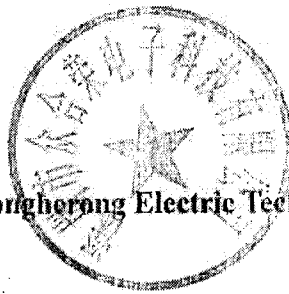
2470, 2471, 2472, 2473

2008-7-31

STATEMENT

Regarding the explanation of 64 channels and 4/6 channels as bellow:

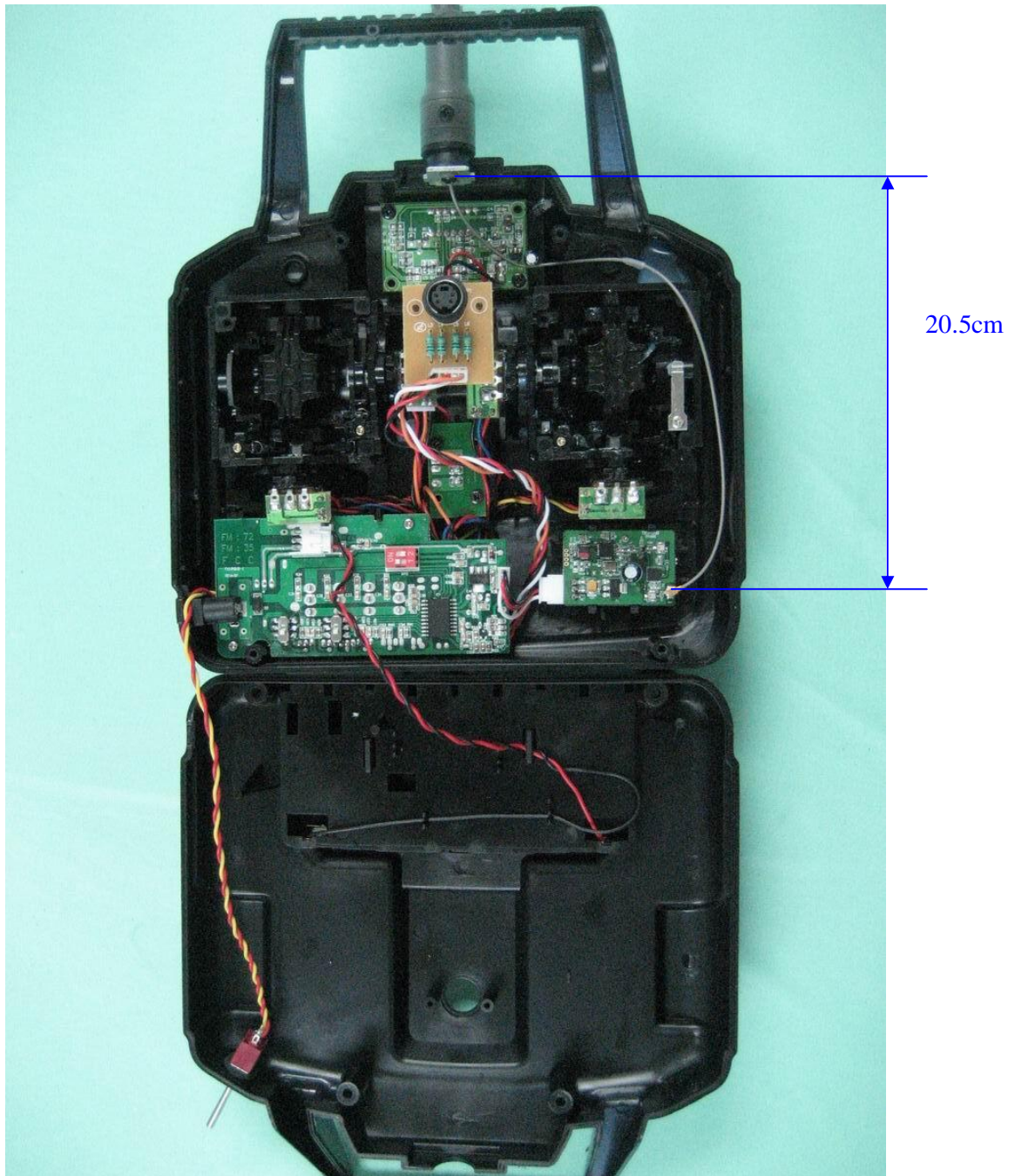
1. The 64 channels denote the quantity of frequency point for the FHSS (Frequency Hopping Spread Spectrum) transmitter work.
2. The 4 or 6 channels express the quantity of action type for the transmitter control.



ShenZhen Zhongherong Electric Technology Co., Ltd.

Antenna Length





External antenna 14.5cm + Internal antenna 20.5cm = Total length is 35cm