

Circuit Description

The equipment under testing is a 2.4GHz transceiver with 79 channels operating at 2402-2480MHz. It is powered by 3.7VDC(1 Li-battery). It connects to the Wii console by Bluetooth protocol.

Channel List:

2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 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, 2474, 2475, 2476, 2477, 2478, 2479, 2480.

Modulation Method: GFSK QPSK $\pi/4$

Antenna Type: onboard inverted F type

Antenna Gain: 2.0dBi

The functions of main Components are mentioned as below.

- (1) U2 as a Bluetooth chip
- (2) Y1 acts as a crystal.