Circuit Description

The equipment under test 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.

Modulation Type: GFSK, π/4-DQPSK, 8DPSK

Antenna Type: Chip Antenna

Antenna Gain：1.15 peak dBi

The working principle of the BT that the product has Bluetooth connection to play music, Bluetooth call function,

1. Receive and transmit pairs of RF signals through the Bluetooth module of the antenna together with other Bluetooth devices. The received audio signal is processed through the internal audio of the module and output from the BT8926B2 foot to the speaker.
2. When the mobile phone device is paired with a Bluetooth connection, the audio signal can be transmitted to the BT8926B2 foot input via the MIC during the broadcast call and output to the speaker through the IC internal audio processing.

The functions of main Components are mentioned as below.

1) U1 acts as Bluetooth IC.
2) Y1 acts as crystal 24MHz

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