

Circuit Description

The equipment under test is a BT ROBOT with 40 channels operating at 2402-2480MHz. It is powered by DC 4*1.5V from battery.

Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2442
1	2404	21	2444
2	2406	22	2446
3	2408	23	2448
4	2410	24	2450
5	2412	25	2452
6	2414	26	2454
7	2416	27	2456
8	2418	28	2458
9	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

Modulation Type: GFSK

Antenna Gain: 0dBi

The function of main Components are mentioned as below:

- 1) U1 acts as Bluetooth IC AC6959A.
- 2) Y1 acts as crystal 24MHz.