

The Equipment under Test (EUT) is a Control unit for Xmods 1/24 Starter Kit model: 6000939 operating at 2.4GHz band. It is powered by 1 x 9.0V AF22 size battery.

Channel List

Channel Number	Frequency (MHz)
1	2403.000
2	2404.000
3	2405.000
4	2406.000
5	2407.000
6	2408.000
7	2409.0000
8	2410.0000
9	2411.0000
10	2412.0000
11	2413.0000
12	2414.0000
13	2415.0000
14	2416.0000
15	2417.0000
16	2418.0000
17	2419.0000
18	2420.0000
19	2421.0000
20	2422.0000
21	2423.0000
22	2424.0000
23	2425.0000
24	2426.0000
25	2427.0000
26	2428.0000
27	2429.0000
28	2430.0000
29	2431.0000
30	2432.0000
31	2433.0000
32	2434.0000
33	2435.0000
34	2436.0000
35	2437.0000

36	2438.0000
37	2439.0000
38	2440.0000
39	2441.0000
40	2442.0000
41	2443.0000
42	2444.0000
43	2445.0000
44	2446.0000
45	2447.0000
46	2448.0000
47	2449.0000
48	2450.0000
49	2451.0000
50	2452.0000
51	2453.0000
52	2454.0000
53	2455.0000
54	2456.0000
55	2457.0000
56	2458.0000
57	2459.0000
58	2460.0000
59	2461.0000
60	2462.0000
61	2463.0000
62	2464.0000
63	2465.0000
64	2466.0000
65	2467.0000
66	2468.0000
67	2469.0000
68	2470.0000
69	2471.0000

Modulation Type: GFSK

Antenna Type: Integral antenna

Antenna Gain: 0dBi.

The normal radiated output power (e.i.r.p) is: 6.0dBm (tolerance: +/- 3dB).

The normal conducted output power is: 6.0dBm (tolerance: +/- 3dB).

The functions of main Components are mentioned as below.

Main Board

- 1) U2 acts as power manager IC.
- 2) U1 acts as EEPROM IC.
- 3) U3 acts as RF module.

RF Module

- 1) U1 acts 2.4 RF Chip.
- 2) Y1 acts as 16MHz oscillator for U1.
- 3) U2 acts as MCU, it processes the input data and sends this information to 2.4G RF Chip.