

Remote Controller unit Technical Description

The equipment under test (EUT) is a 2.4GHz transceiver of a Spy Video TRAKR with 16 channels operating at 2405 - 2480 MHz. The Spy Video TRAKR has two units, one is the Remote Controller unit, and the other is the Car unit. The Remote Controller unit is powered by 6VDC (4 x 1.5V "AA" batteries) and the Car unit is powered by 9.0VDC (6 x 1.5V "AA" batteries).

The USB port in the Remote controller unit is used for manufacture, not for end user.

Channel List:

Channel	Frequency
0	2405
1	2410
2	2415
3	2420
4	2425
5	2430
6	2435
7	2440
8	2445
9	2450
10	2455
11	2460
12	2465
13	2470
14	2475
15	2480

Modulation Type: GFSK

Antenna Type: Integral antenna

IC Function and circuit description:

1. U1 acts as MCU.
2. U2 acts as Flash.
3. U6 acts as Audio Amplifier.
4. U4a acts as SDRAM.
5. BT1, U3, U5, U7 acts as power regulator.
6. U4 acts as 2.4GHz Module, the U1, U2, U3, U5 and associate circuit as switch circuit

The datasheet of the module is attached