

MT-202 SPC

1. (Frequency Range):2407~2477MHz.
2. (Type of Modulation):FHSS.
3. (Channels):71
4. (Occupied Bandwidth):1MHz.
5. (Channel Separation):1MHz.
6. (RF Output power): <18dBm.
7. (Duty cycle):<15%.
8. (Antenna type):Dipole Antenna.(2dBi)
9. (Data rate):250k/bps Max.
10. (Communication):One-way.
- 11.Frequency hopping NO.: 40 channels will be used in a select group of channels

12、 Power

MT-202:DC 6V(1.5V*4cell"AA" Battery).

MR-202: DC 7.2V(6Cells Ni-MH Battery).

frequency hopping spread spectrum (FHSS) system works by hopping from one frequency channel to another in a unknown sequence out of a select group of channels. The system frequency hops between 40 channels. If it is determined that one of the 40 hopping channels is found to be noisy or poor due to other RF interference, then a new channel is selected from the 40 unused channels, This repeats whenever a noisy or poor channel is detected,.The sequential hops is no any order can follow, is completely random.

Pseudorandom Frequency Hopping Sequence Table as below:

Channel: 08, 24, 40, 56, 42, 05, 01, 09, 33, 41, 65, 63, 53, 69, 06, 22, 04, 20, 36,52, 38, 46, 70, 68, 46, 21, 29, 10, 26, 42, 58, 44, 60, 36, 13 etc.

The system receiver have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.

13 、 Channel List

Channel List					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2407	28	2434	55	2461
02	2408	29	2435	56	2462
03	2409	30	2436	57	2463
04	2410	31	2437	58	2464
05	2411	32	2438	59	2465
06	2412	33	2439	60	2466

07	2413	34	2440	61	2467
08	2414	35	2441	62	2468
09	2415	36	2442	63	2469
10	2416	37	2443	64	2470
11	2417	38	2444	65	2471
12	2418	39	2445	66	2472
13	2419	40	2446	67	2473
14	2420	41	2447	68	2474
15	2421	42	2448	69	2475
16	2422	43	2449	70	2476
17	2423	44	2450	71	2477
18	2424	45	2451	--	--
19	2425	46	2452	--	--
20	2426	47	2453	--	--
21	2427	48	2454	--	--
22	2428	49	2455	--	--
23	2429	50	2456	--	--
24	2430	51	2457	--	--
25	2431	52	2458	--	--
26	2432	53	2459	--	--
27	2433	54	2460	--	--