

1、FHSS comments A frequency hopping spread spectrum (FHSS) system works by hopping from one frequency channel to another in a known sequence out of a select group of channels. The HT system frequency hops between 20 channels. The group of 20 channels is selected out of a total of 49 hopping channels in the ISM band. If it is determined that one of the 20 hopping channels is found to be noisy or poor due to other RF interference, then a new channel is selected from the 29 unused channels (i.e. 49 - 20 = 29) and the one noisy channel is released to the unused group. This repeats whenever a noisy or poor channel is detected. For example, for the hop pattern of 2409.7MHz , 2465.0MHz , 2472.7MHz , 2457.3MHz , 2475.8MHz , 2425.1MHz; The sequential hops are +55.3MHz , +7.7MHz, -15.4MHz, +18.5MHz, -50.7MHz. The sequential hops is no any order can follow, is completely random.

2、Channel List

Table A: Complete 49 Channel Palette (MHz)

Ch Number	Center Frequency	Ch Number	Center Frequency	Ch #	Center Freq.
1	2403.585	18	2429.697	35	2455.809
2	2405.121	19	2431.233	36	2457.345
3	2406.657	20	2432.769	37	2458.881
4	2408.193	21	2434.305	38	2460.417
5	2409.729	22	2435.841	39	2461.953
6	2411.265	23	2437.377	40	2463.489
7	2412.801	24	2438.913	41	2465.025
8	2414.337	25	2440.449	42	2466.561
9	2415.873	26	2441.985	43	2468.097
10	2417.409	27	2443.521	44	2469.633
11	2418.945	28	2445.057	45	2471.169
12	2420.481	29	2446.593	46	2472.705
13	2422.017	30	2448.129	47	2474.241
14	2423.553	31	2449.665	48	2475.777
15	2425.089	32	2451.201	49	2477.313
16	2426.625	33	2452.737		
17	2428.161	34	2454.273		