

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 38 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 18 unused channels (i.e. $38 - 20 = 18$) 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 2425.856MHz , 2429.952MHz , 2463.720MHz , 2409.472MHz , 2470.912MHz , 2468.864MHz; The sequential hops are +4.096MHz , +33.768MHz, -54.248MHz, +61.440MHz, -2.048MHz. The sequential hops is no any order can follow, is completely random.

2、Channel List

Channel #	Center Frequency (GHz)	Channel #	Center Frequency (GHz)
CENTER FREQUENCIES (CHANNEL TABLE)			
0	2.403328	19	2.442240
1	2.405376	20	2.444288
2	2.407424	21	2.446336
3	2.409472	22	2.448384
4	2.411520	23	2.450432
5	2.413568	24	2.452480
6	2.415616	25	2.454528
7	2.417664	26	2.456576
8	2.419712	27	2.458624
9	2.421760	28	2.460672
10	2.423808	29	2.462720
11	2.425856	30	2.464768
12	2.427904	31	2.466816
13	2.429952	32	2.468864
14	2.432000	33	2.470912
15	2.434048	34	2.472960
16	2.436096	35	2.475008
17	2.438144	36	2.477056
18	2.440192	37	2.479104