IEEE 802.11

Wireless Access Method and Physical Specification

Title:	Proposal for France and Spain Frequency Hopping Patterns					
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Introduction

This submission proposes frequency hopping patterns for France and Spain which uses the same algorithm adopted for the USA and ETSI as defined in submission 95/xxx. The bandwidth allocations in these two countries are different from the general ETSI allocation and the basic pseudo-random hop sequence must be different from that defined for USA and ETSI. The proposed hop patterns have the same minimum hop distance of 6 Mhz between consecutive hops as the USA and ETSI hop patterns.

France

The bandwidth allocation in France is 2446 - 2483.5 Mhz. This allows for the use of 35 channels with centers from 2448 to 2482 Mhz with 1 Mhz between each channel. The equation for France would be as given below.

 $fx(i) = [b(i)+x] \mod(35) + 48.$

i	b(i)	i	b(i)	i	b(i)
1	17	13	31	25	15
2	5	14	20	26	3
3	18	15	29	27	11
4	32	16	22	28	30
5	23	17	12	29	24
6	7	18	6	30	9
7	16	19	28	31	27
8	4	20	14	32	19
9	13	21	25	33	2
10	33	22	0	34	21
11	26	23	8	35	34
12	10	24	1		

Table 1. Base Hopping Sequence b(i) for France

Submission

Spain

The bandwidth allocation in Spain is 2445 - 2475 Mhz. This allows for the use of 27 channels with centers from 2447 to 2473 Mhz with 1 Mhz between each channel. The equation for Spain would be as given below.

 $fx(i) = [b(i)+x] \mod(27) + 47.$

i	b(i)	i	b(i)	i	b(i)
1	13	10	19	19	14
2	4	11	8	20	1
3	24	12	23	21	20
4	18	13	15	22	7
5	5	14	22	23	16
6	12	15	9	24	2
7	3	16	21	25	11
8	10	17	0	26	17
9	25	18	6	27	26

Table 2. Base Hopping Sequence b(i) for Spain

