



Channels, Power Levels, and Antenna Gains

This appendix lists the channels supported by the world's regulatory domains. The appendix also lists the maximum power levels and antenna gains for each regulatory domain.

The following topics are covered in this appendix:

- [Channel Sets, page B-2](#)
- [Maximum Power Levels and Antenna Gains, page B-3](#)

Channel Sets

The channel identifiers, channel center frequencies, and regulatory domains of each 802.11b 22-MHz-wide channel are shown in [Table B-1](#).

Table B-1 Channels

Channel Identifier	Frequency (in MHz)	Regulatory Domains				
		Americas (-A)	ETSI (-E)	Israel (-I)	China (-C)	Japan (-J)
1	2412	X	X	-	X	X
2	2417	X	X	-	X	X
3	2422	X	X	X	X	X
4	2427	X	X	X	X	X
5	2432	X	X	X	X	X
6	2437	X	X	X	X	X
7	2442	X	X	X	X	X
8	2447	X	X	X	X	X
9	2452	X	X	X	X	X
10	2457	X	X	-	X	X
11	2462	X	X	-	X	X
12	2467	-	X	-		X
13	2472	-	X	-		X
14	2484	-	-	-		X



Note

Mexico is included in the Americas regulatory domain; however, channels 1 through 8 are for indoor use only while channels 9 through 11 can be used indoors and outdoors. Users are responsible for ensuring that the channel set configuration is in compliance with the regulatory standards of Mexico.



Note

France is included in the ETSI regulatory domain; however, only channels 10 through 13 can be used in France. Users are responsible for ensuring that the channel set configuration is in compliance with the regulatory standards of France.

Maximum Power Levels and Antenna Gains

An improper combination of power level and antenna gain can result in equivalent isotropic radiated power (EIRP) above the amount allowed per regulatory domain. [Table B-2](#) indicates the maximum power levels and antenna gains allowed for each regulatory domain.

Table B-2 Maximum Power Levels Per Antenna Gain

Regulatory Domain	Antenna Gain (dBi)	Maximum Power Level (mW)
Americas (-A) (4 watts EIRP maximum)	0	100
	2.2	100
	5.2	100
	6	100
	8.5	100
	12	100
	13.5	100
	21	20
ETSI (-E) (100 mW EIRP maximum)	0	100
	2.2	50
	5.2	30
	6	30
	8.5	5
	12	5
	13.5	5
	21	1
Israel (-I) (100 mW EIRP maximum)	0	100
	2.2	50
	5.2	30
	6	30
	8.5	5
	12	5
	13.5	5
	21	1

Table B-2 *Maximum Power Levels Per Antenna Gain (continued)*

Regulatory Domain	Antenna Gain (dBi)	Maximum Power Level (mW)
China (-C) (10 mW EIRP maximum)	0	5
	2.2	5
	5.2	n/a
	6	n/a
	8.5	n/a
	12	n/a
	13.5	n/a
	21	n/a
Japan (-J) (10 mW/MHz EIRP maximum)	0	50
	2.2	30
	5.2	30
	6	30
	8.5	n/a
	12	n/a
	13.5	5
	21	n/a