



## Channels, Power Levels, and Antenna Gains

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This appendix lists the channels supported by the world's regulatory domains as well as the maximum power levels and antenna gains allowed per domain.

This appendix covers these topics:

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

# Channels

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

**Table B-1 Channels**

Channel Identifier	Frequency in MHz	Regulatory Domains				
		Americas (-A)	EMEA (-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
<b>Maximum Power (mW)</b>		100	100	100	5	50



**Note**

France may use 2412-2452 MHz up to 10 mW EIRP, and 2457-2472 up to 100 mW EIRP. Mexico may use 2400-2483.5 MHz up to 650 mW EIRP(2400-2450 for indoor use only).

# 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)
-A Channel Set (4 watts EIRP maximum)	0	100
	2.2	100
	5.2	100
	6	100
	8.5	100
	12	100
	13.5	100
	21	20
-E Channel Set (100 mW EIRP maximum)	0	100
	2.2	50
	5.2	30
	6	30
	8.5	5
	12	5
	13.5	5
	21	1
-I Channel Set (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)
-C Channel Set (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
-J Channel Set (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