

Power Settings and Antennas

Table C-2 lists the radio transmit power settings you should use for antennas in five regulatory domains. If you attach a high-gain antenna to the Access Point, you might need to lower the radio transmit power to conform to government regulations. Use the Transmit Power setting on the management system's AP Radio Hardware page to set the radio transmit power.

Table C-2 *Power Settings, Antennas, and Regulatory Domains*

Antenna Gain	0 dBi	2.2 dBi	5.2 dBi	6 dBi	8.5 dBi	12 dBi	13.5 dBi	21 dBi
North American Channel Sets (4 Watts EIRP ¹ Maximum)								
100 mW	x	x	x	x	x	x	x	—
50 mW	x	x	x	x	x	x	x	—
30 mW	x	x	x	x	x	x	x	—
20 mW	x	x	x	x	x	x	x	—
5 mW	x	x	x	x	x	x	x	x
1 mW	x	x	x	x	x	x	x	x
ETSI ² Channel Sets (100 mW EIRP Maximum)								
100 mW	x	—	—	—	—	—	—	—
50 mW	x	x	—	—	—	—	—	—
30 mW	x	x	x	x	—	—	—	—
20 mW	x	x	x	x	—	—	—	—
5 mW	x	x	x	x	x	x	x	—
1 mW	x	x	x	x	x	x	x	x
French/Singapore Channel Sets (100 mW EIRP Maximum)								
100 mW	x	—	—	—	—	—	—	—
50 mW	x	x	—	—	—	—	—	—
30 mW	x	x	x	x	—	—	—	—
20 mW	x	x	x	x	—	—	—	—
5 mW	x	x	x	x	x	x	x	—
1 mW	x	x	x	x	x	x	x	x

Table C-2 *Power Settings, Antennas, and Regulatory Domains (continued)*

Antenna Gain	0 dBi	2.2 dBi	5.2 dBi	6 dBi	8.5 dBi	12 dBi	13.5 dBi	21 dBi
Israeli Channel Sets (100 mW EIRP Maximum)								
100 mW	x	—	—	—	—	—	—	—
50 mW	x	x	—	—	—	—	—	—
30 mW	x	x	x	x	—	—	—	—
20 mW	x	x	x	x	—	—	—	—
5 mW	x	x	x	x	x	x	x	—
1 mW	x	x	x	x	x	x	x	x
Japanese Channel Sets (10 mW/MHz EIRP Maximum)								
100 mW	—	—	—	—	—	—	—	—
50 mW	x	—	—	—	—	—	—	—
30 mW	x	x	x	x	—	—	—	—
20 mW	x	x	x	x	—	—	—	—
5 mW	x	x	x	x	—	—	x	—
1 mW	x	x	x	x	—	—	x	—

1. Effective Isotropic Radiated Power
2. European Telecommunications Standards Institute