



## Channels and Antenna Settings

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This appendix lists the IEEE 802.11a (5-GHz) channels and maximum power levels for the bridge supported by the Americas regulatory domain.

These topics are covered in this appendix:

- [Channels, page A-2](#)
- [Maximum Power Levels, page A-2](#)

# Channels

## IEEE 802.11a (5-GHz Band)

The channel identifiers, channel center frequencies, and regulatory domain of each 20-MHz-wide channel are shown in [Table A-1](#).

**Table A-1 Channels for IEEE 802.11a**

Channel Identifier	Center Frequency (MHz)	Regulatory Domains			
		Americas (-A)	—	—	—
149	5745	X	—	—	—
153	5765	X	—	—	—
157	5785	X	—	—	—
161	5805	X	—	—	—

This product is for outdoor use with regard to the channel identifiers indicated in [Table A-1](#).

## Maximum Power Levels

### 5.8-GHz Band

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

**Table A-2 Maximum Power Levels and Antenna Gains**

Regulatory Domains	Maximum Power Settings				
	Orientation	9-dBi Omnidirectional Antenna	9.5-dBi Sector Antenna	22.5-dBi Integrated Antenna	28-dBi Dish Antenna
Americas (-A)	P2P <sup>1</sup>	24 dBm	24 dBm	24 dBm	22 dBm
	P2MP <sup>2</sup>	24 dBm	24 dBm	12 <sup>3</sup> dBm <sup>4</sup>	na

1. Point to point.
2. Point to multipoint.
3. A maximum of 13 dBm is allowed, but that setting is not supported by the bridge.
4. On point-to-multipoint links, the remote bridges communicating with the central bridge are allowed to use a maximum power setting of 24 dBm. The central bridge is limited to a maximum power setting of 12 dBm.