

710-790MHz Sector Antennas

Frequency: 710-790MHz, gain: 14dBi 13dBi 12dBi, It is a professional quality "cell site" antenna designed primarily for the 700 MHz band to provide non-line-of-sight broadband wireless access, a high performance sector antenna becomes an important system design and performance enhancement tool. The antenna provides service providers with a heavy duty easy to install sector antenna. The antenna comes standard with an N female connector and ultra heavy duty tilt mounting hardware. One model covers the entire 710-790 MHz band limiting the required inventory investment needed to respond to deployment schedules

This antenna features a heavy-duty plastic radome for all-weather operation. The mounting system adjusts from 0 to 15 degrees down-tilt. This antenna is an ideal choice for "cell" sites since the cell size can be easily determined by adjusting the down-tilt angle.

Features:

- 60, 90, 120 deg beam-width
- 15 deg Down-Tilt Mounting Bracket
- All weather operation
- Integral N-Female Connector
- Includes Mast Mounting Hardware

Applications :

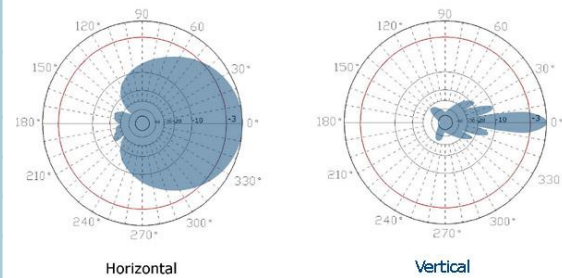
- High multi-path environment
- Large carrier class deployment
- Wireless broadband service provider
- Excellent propagation in dense foliage



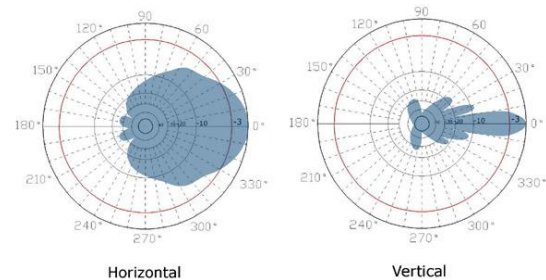
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700MHz Sector antenna series specifications

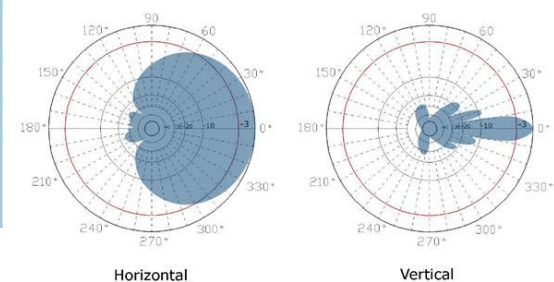
Model	ZDADJ700-14-60	ZDADJ700-13-90	ZDADJ700-12-120
Frequency Range	710-790 MHz	710-790 MHz	710-790 MHz
Gain	14dBi	13dBi	12dBi
Polarization	Vertical	Vertical	Vertical
Horizontal Beam Width	60 °	90 °	120°
Vertical Beam Width	14°	14°	14°
VSWR	<1.5	<1.5	<1.5
Input Impedance	50 ohm	50 ohm	50 ohm
Input Maximum Power	200 W	200 W	200 W
Lightning Protection	DC Ground	DC Ground	DC Ground
Connector	N female or customized	N female or customized	N female or customized
Size	51.6 x 11.2 x5.2inches 1313 x 287 x 132 mm	51.6 x 11.2 x5.2inches 1313 x 287 x 132 mm	51.6 x 11.2 x 5.2inches 1313 x 287 x 132 mm
Radiating Electrical Material	Cu Ag	Cu Ag	Cu Ag
Radome Material	UV-Inhibited Polymer	UV-Inhibited Polymer	UV-Inhibited Polymer
Operating Temperature	-40° C to 85° C (-40° F to 185° F)	-40° C to 85° C (-40° F to 185° F)	-40° C to 85° C (-40° F to 185° F)
Diameter of Installation Pole	2-3.1in. (50-80 mm)	2-3.1in. (50-80 mm)	2-3.1in. (50-80 mm)
Downtilt (mech)	0 to 16 degrees	0 to 16 degrees	0 to 16 degrees
Weight	32 lbs. (14.5 Kg)	32 lbs. (14.5 Kg)	32 lbs. (14.5 Kg)
Wind Loading: 100MPH 125MPH	147lb. 227lb.	147lb. 227lb.	147lb. 227lb.



ZDADJ700-13-90 Patterns



ZDADJ700-14-60Patterns



ZDADJ700-12-120 Patterns