

Base Station Antennas



PerforMax™

ANTENNA SPECIFICATIONS

ANTENNA TYPE: PCS-XAZ06-0D

Description: 1710-1990 MHz, single polarized, azimuth beamwidth set at 33 degrees, 19 dBd gain panel antenna with 0 degrees of electrical downtilt

Electrical Specifications

Frequency Band, MHz	1710-1880	1850-1990
Gain, dBd (dBi)	18.3 (20.5)	18.9 (21.1)
Azimuth Beamwidth, degrees	37	33
Elevation Beamwidth, degrees	7.0	6.5
Front-to-Back Ratio, dB	>40	>40
Return Loss, dB (VSWR)	>14.0 (<1.5)	>14.0 (<1.5)
Impedance, ohms	50	50
Port to Port Isolation, dB	N/A	NA
Intermodulation, dBc		<-150
Polarization Type		Single, Vertical
Electrical Downtilt, degrees		0
Maximum Input Power, watts		250
Lightning Protection		DC Ground
Connector Type		7-16 DIN Female
Connector Position		Bottom
Number of Connectors		1

Mechanical Specifications

Antenna Dimensions - L x W x D, mm (in)	1468 (57.8) x 295 (11.6) x 151 (5.9)
Antenna Weight, kg (lb)	8.6 (19.0)
Radome Color	Gray
Radome Material	UV Protected PVC

Environmental Specifications

Survival Wind Speed, km/h (mph)	201 (125)
Wind Load - frontal, N (lbf)*	673 (151)
Wind Load - lateral, N (lbf)*	442 (99)
Wind Load - rear, N (lbf)*	797 (179)
Temperature Range, degrees C	-40 to +65
Humidity, %	Up to 100

* Based on 100 mph (161 km/h)

Shipping Specifications

Shipping Dimensions - L x W x D, mm (in)	1683 (66.3) x 300 (11.8) x 254 (10)
Shipping Weight, kg (lb)	13.3 (29.3)

Mounting Hardware Specifications

Mounting Bracket Part Number	600691A-2
Mount Description	Adjustable downtilt, 0 - 14 degrees
Mount Weight, kg (lb)	1.0 (2.2)
To include mounting bracket with antenna, order part number:	PCS-XAZ06-0DM
Shipping Dimensions - mount with antenna - L x W x D, mm (in)	1765 (69.6) x 300 (11.8) x 254 (10)
Shipping Weight - mount with antenna, kg (lb)	14.4 (31.8)

Customer Support Center:

From North America: 1-800-255-1479

International: +1-708-873-2307

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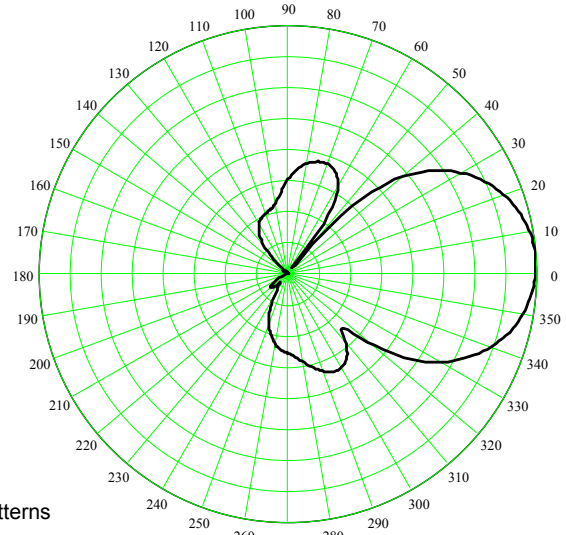
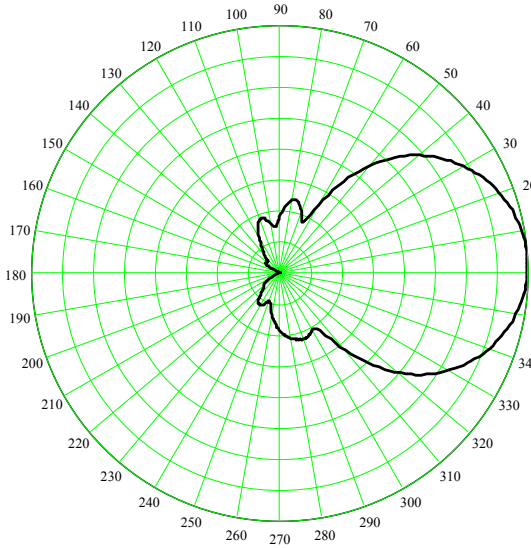
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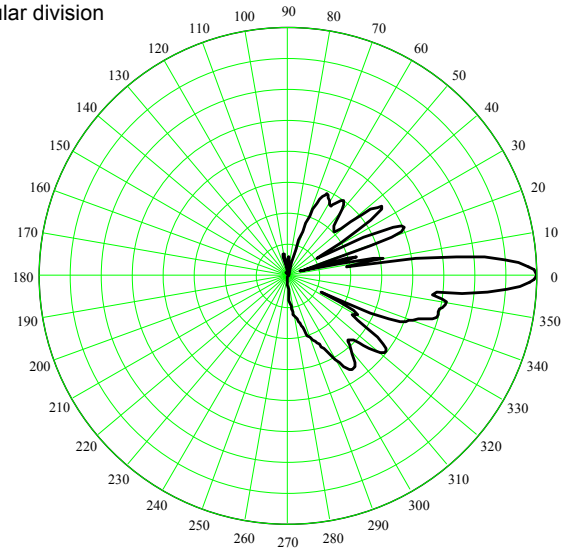
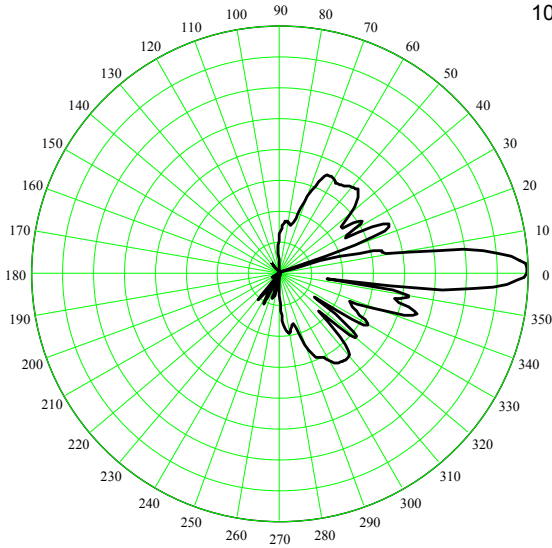
ANTENNA SPECIFICATIONS

ANTENNA TYPE: PCS-XAZ06-0D

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Azimuth Patterns
Polar Plot Center = -40dB
5 dB / radial division
10 degree / angular division



Pattern File 6404621
Measured at 1790 MHz

Elevation Patterns
Polar Plot Center = -40dB
5 dB / radial division
10 degree / angular division

Pattern File 6404622
Measured at 1920 MHz

Base Station Antennas



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ANTENNA SPECIFICATIONS

ANTENNA TYPE: PCS-XAZ06-0D

Description: 1710-1990 MHz, single polarized, azimuth beamwidth set at 45 degrees, 18 dBd gain panel antenna with 0 degrees of electrical downtilt

Electrical Specifications

Frequency Band, MHz	1710-1880	1850-1990
Gain, dBd (dBi)	17.1 (19.3)	17.7 (19.9)
Azimuth Beamwidth, degrees	47	45
Elevation Beamwidth, degrees	7.0	6.5
Front-to-Back Ratio, dB	>40	>40
Return Loss, dB (VSWR)	>14.0 (<1.5)	>14.0 (<1.5)
Impedance, ohms	50	50
Port to Port Isolation, dB	N/A	NA
Intermodulation, dBc		<-150
Polarization Type		Single, Vertical
Electrical Downtilt, degrees		0
Maximum Input Power, watts		250
Lightning Protection		DC Ground
Connector Type		7-16 DIN Female
Connector Position		Bottom
Number of Connectors		1

Mechanical Specifications

Antenna Dimensions - L x W x D, mm (in)	1468 (57.8) x 295 (11.6) x 151 (5.9)
Antenna Weight, kg (lb)	8.6 (19.0)
Radome Color	Gray
Radome Material	UV Protected PVC

Environmental Specifications

Survival Wind Speed, km/h (mph)	201 (125)
Wind Load - frontal, N (lbf)*	609 (137)
Wind Load - lateral, N (lbf)*	443 (100)
Wind Load - rear, N (lbf)*	745 (167)
Temperature Range, degrees C	-40 to +65
Humidity, %	Up to 100

* Based on 100 mph (161 km/h)

Shipping Specifications

Shipping Dimensions - L x W x D, mm (in)	1683 (66.3) x 300 (11.8) x 254 (10)
Shipping Weight, kg (lb)	13.3 (29.3)

Mounting Hardware Specifications

Mounting Bracket Part Number	600691A-2
Mount Description	Adjustable downtilt, 0 - 14 degrees
Mount Weight, kg (lb)	1.0 (2.2)
To include mounting bracket with antenna, order part number:	PCS-XAZ06-0DM
Shipping Dimensions - mount with antenna - L x W x D, mm (in)	1765 (69.6) x 300 (11.8) x 254 (10)
Shipping Weight - mount with antenna, kg (lb)	14.4 (31.8)

Customer Support Center:
From North America: 1-800-255-1479
International: +1-708-873-2307

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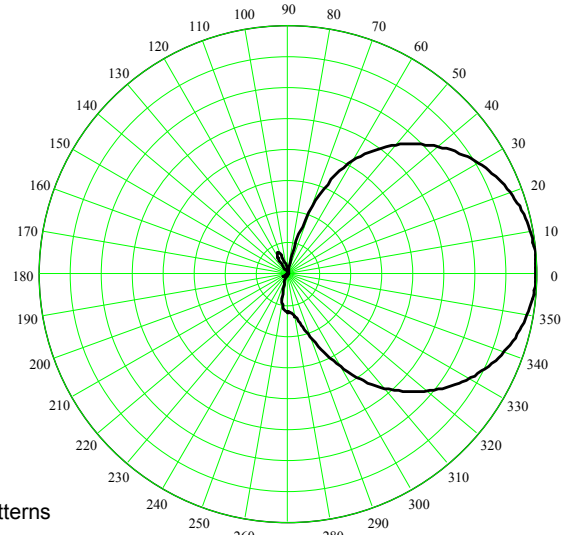
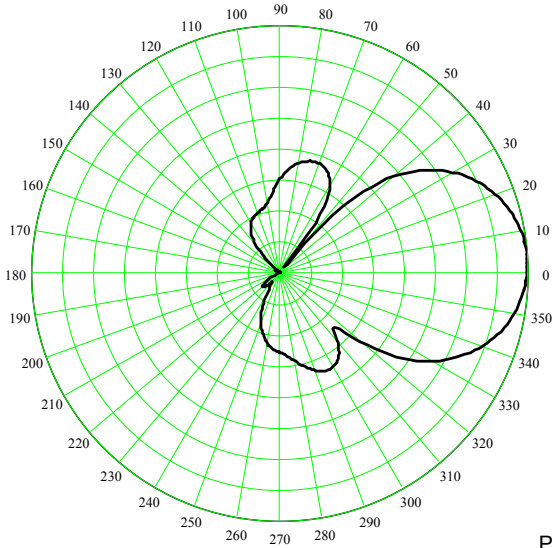
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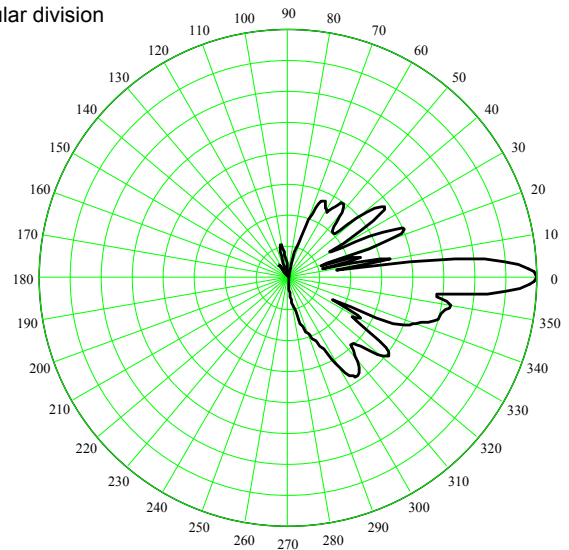
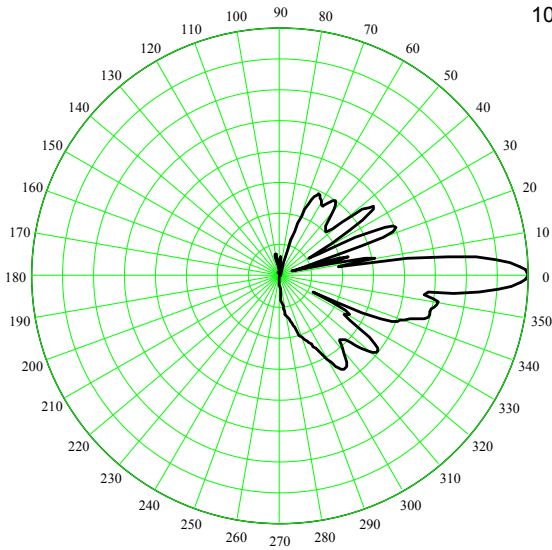
ANTENNA SPECIFICATIONS

ANTENNA TYPE: PCS-XAZ06-0D

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Azimuth Patterns
Polar Plot Center = -40dB
5 dB / radial division
10 degree / angular division



Elevation Patterns
Polar Plot Center = -40dB
5 dB / radial division
10 degree / angular division

Pattern File 6404611
Measured at 1790 MHz

Pattern File 6404612
Measured at 1920 MHz

Base Station Antennas



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ANTENNA SPECIFICATIONS

ANTENNA TYPE: PCS-XAZ06-0D

Description: 1710-1990 MHz, single polarized, azimuth beamwidth set at 65 degrees, 16 dBd gain panel antenna with 0 degrees of electrical downtilt

Electrical Specifications

Frequency Band, MHz	1710-1880	1850-1990
Gain, dBd (dBi)	15.6 (17.8)	16.2 (18.4)
Azimuth Beamwidth, degrees	67	65
Elevation Beamwidth, degrees	6.5	6.5
Front-to-Back Ratio, dB	>40	>40
Return Loss, dB (VSWR)	>14.0 (<1.5)	>14.0 (<1.5)
Impedance, ohms	50	50
Port to Port Isolation, dB	N/A	NA
Intermodulation, dBc		<-150
Polarization Type		Single, Vertical
Electrical Downtilt, degrees		0
Maximum Input Power, watts		250
Lightning Protection		DC Ground
Connector Type		7-16 DIN Female
Connector Position		Bottom
Number of Connectors		1

Mechanical Specifications

Antenna Dimensions - L x W x D, mm (in)	1468 (57.8) x 257 (10.1) x 153 (6)
Antenna Weight, kg (lb)	8.6 (19.0)
Radome Color	Gray
Radome Material	UV Protected PVC

Environmental Specifications

Survival Wind Speed, km/h (mph)	201 (125)
Wind Load - frontal, N (lbf)*	931 (209)
Wind Load - lateral, N (lbf)*	435 (98)
Wind Load - rear, N (lbf)*	1004 (226)
Temperature Range, degrees C	-40 to +65
Humidity, %	Up to 100

* Based on 100 mph (161 km/h)

Shipping Specifications

Shipping Dimensions - L x W x D, mm (in)	1683 (66.3) x 300 (11.8) x 254 (10)
Shipping Weight, kg (lb)	13.3 (29.3)

Mounting Hardware Specifications

Mounting Bracket Part Number	600691A-2
Mount Description	Adjustable downtilt, 0 - 14 degrees
Mount Weight, kg (lb)	1.0 (2.2)
To include mounting bracket with antenna, order part number:	PCS-XAZ06-0DM
Shipping Dimensions - mount with antenna - L x W x D, mm (in)	1765 (69.6) x 300 (11.8) x 254 (10)
Shipping Weight - mount with antenna, kg (lb)	14.4 (31.8)

Customer Support Center:
From North America: 1-800-255-1479
International: +1-708-873-2307

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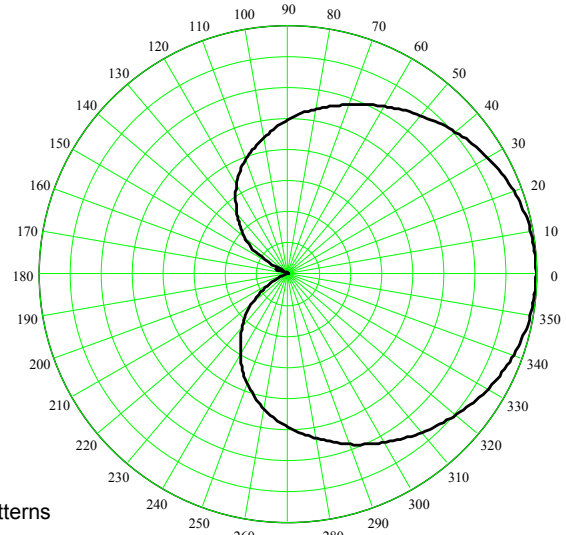
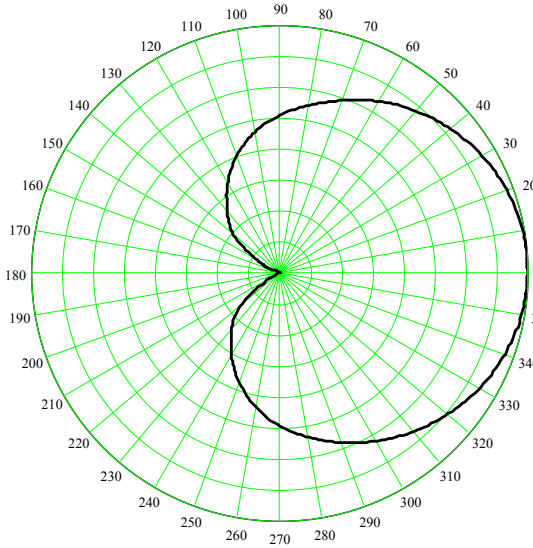
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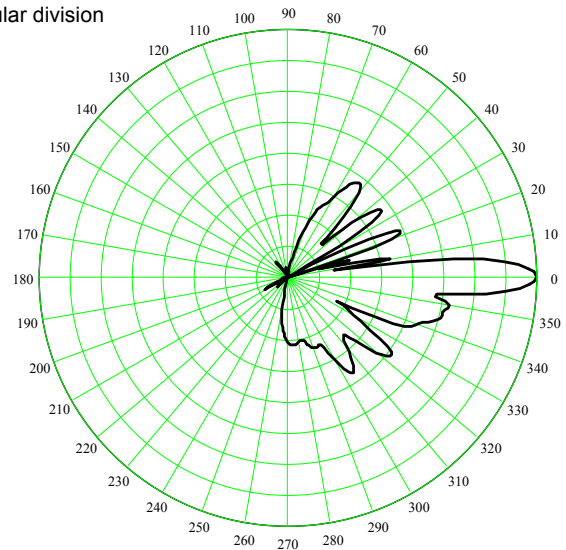
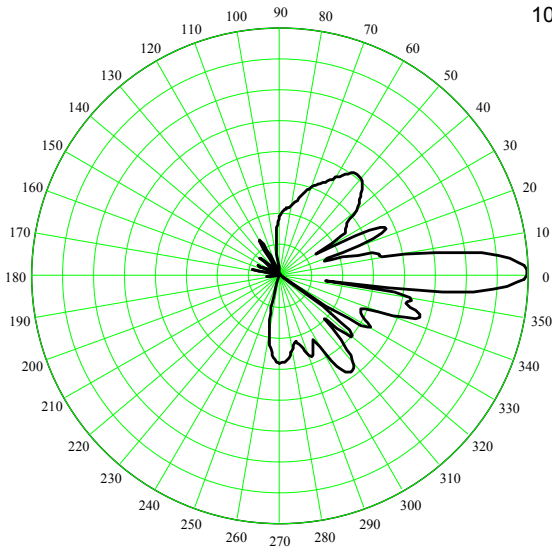
ANTENNA SPECIFICATIONS

ANTENNA TYPE: PCS-XAZ06-0D

PerforMax™



Azimuth Patterns
Polar Plot Center = -40dB
5 dB / radial division
10 degree / angular division



Pattern File 6404601
Measured at 1790 MHz

Elevation Patterns
Polar Plot Center = -40dB
5 dB / radial division
10 degree / angular division

Pattern File 6404602
Measured at 1920 MHz