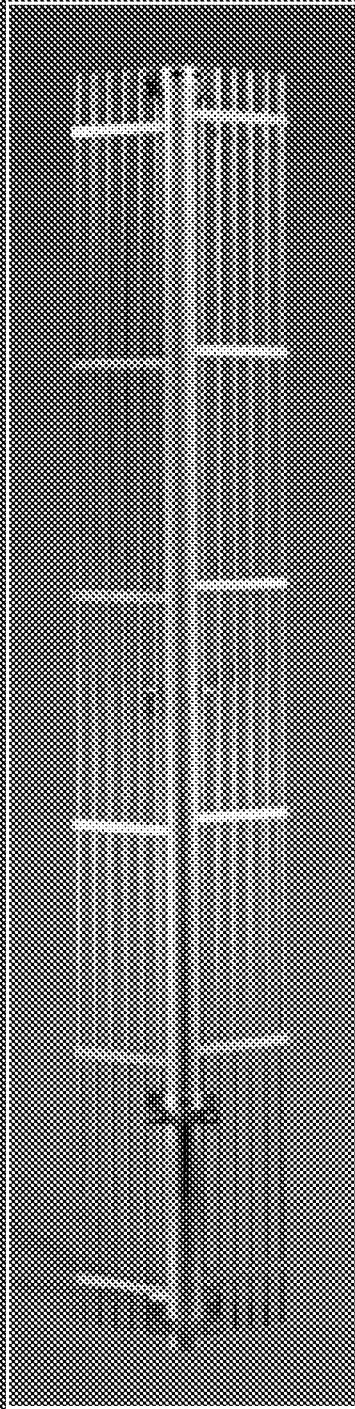
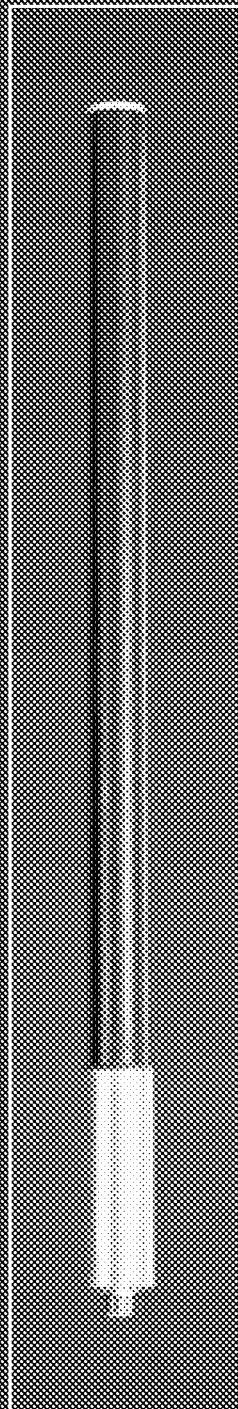




Base Station Antennas



PG900 Antennas



PC1900 Antennas

Omni Antennas

Based on patented technology, Andrew Omni Antennas have superior performance, outstanding reliability and excellent durability.

Omni Antennas are designed for an aesthetically pleasing appearance and low wind loading.

Andrew Base Station Antennas are also available for other frequency bands and beamwidths. Please contact your Andrew Representative for additional information.

Key Performance Advantages:

Superior Wideband Performance:

- Omnidirectional, bidirectional and sector configurations
- Variety of patterns and gains
- Low VSWR across frequency band
- Electrical downtilt and null-fill options for excellent near-in coverage

Outstanding Reliability:

- Patented design requires fewer internal components
- Reduced intermodulation (IM) generation and internal connection/element failure from wind and vibration

Excellent Durability:

- High Strength Radome minimizes beam deflection, maintains beam integrity, ensures long service life in extreme climates

Flexible Electrical Design:

- Gain, downtilt, bandwidth, and patterns to meet your needs
- Customized solutions available





Base Station Antennas

Omni Antennas Characteristics

PG900 Product Range

Model Number	Type	Frequency MHz	Gain dBd (dBi)	Downtilt Degree
PG1N0F-0091-006	Omni (Rx)	901-902	4 (6)	0
PG1N0F-0091-009	Omni (Rx)	901-902	7 (9)	0
PG1N0F-0091-011	Omni (Rx)	901-902	9 (11)	0
PG1N0F-0091-111	Omni (Rx)	901-902	9 (11)	1
PG1N0F-0091-311	Omni (Rx)	901-902	9 (11)	3
PG1N0F-0091-608	Omni (Rx)	901-902	6 (8)	6
PG1N0F-0091-610	Omni (Rx)	901-902	8 (10)	6
PG1*0F-0093-006	Omni (Tx)	928-944	4 (6)	0
PG1*0F-0093-009	Omni (Tx)	928-944	7 (9)	0
PG1*0F-0093-011	Omni (Tx)	928-944	9 (11)	0
PG1*0F-0093-209	Omni (Tx)	928-944	7 (9)	2
PG1*0F-0093-311	Omni (Tx)	928-944	9 (11)	3
PG1*0F-0093-606	Omni (Tx)	928-944	4 (6)	6
PG1*0F-0093-608	Omni (Tx)	928-944	6 (8)	6
PG1*0F-0093-610	Omni (Tx)	928-944	8 (10)	6
PG1*0F-0093-810	Omni (Tx)	928-944	8 (10)	8
PG1*0F-0090-011	Omni	901-944	9 (11)	0
PG7*0F-0090-013	Cardioid	901-944	11 (13)	0
PG7*0F-0090-014	Cardioid	901-944	12 (14)	0
PG1*0F-0090-310	Omni	901-944	8 (10)	3
PG7*0F-0090-313	Cardioid	901-944	11 (13)	3
PG7*0F-0090-314	Cardioid	901-944	12 (14)	3

* N= Type "N" Connector D= 7-16 DIN Connector

Model Numbering System

Six fields fully define each model and available options.
For example:

PG 1 N0F - 0091 - 0 09
 ① ② ③ ④ ⑤ ⑥
 (PG1N0F-0091-009)

- ① Application: PG = Paging
- ② Pattern: 1 = Omni Directional 7 = 180° Sector
- ③ Connector: N = Type N connector, female
D = 7-16 DIN connector, female
- ④ Frequency:
0090 = 901 - 944 MHz
0091 = 901 - 902 MHz
0093 = 928 - 944 MHz
- ⑤ Degree of Downtilt
- ⑥ Nominal gain (dBi)

Electrical Characteristics

Impedance:	50 ohms
Return Loss (VSWR):	>14.0 dB (<1.5:1)
Polarization:	Vertical
Power:	Continuous >500 W (-0090, -0093) >100 W (-0091)
	Peak >4 kW

PC1900 Product Range

Model Number	Type	Frequency MHz	Gain dBd (dBi)	Downtilt Degree
PC1N0F-0190A-002	Omni	1850-1990	0 (2)	0
PC1*0F-0190A-006	Omni	1850-1990	4 (6)	0
PC1*0F-0190-008	Omni	1850-1990	6 (8)	0
PC1*0F-0190-010	Omni	1850-1990	8 (10)	0
225077**	Magnet Mount Omni	1850-1990	0 (2)	0

* N= Type "N" Connector D= 7-16 DIN Connector

** Mechanical specs do not apply to magnet mount version

Model Numbering System

Three fields fully define each model and available options.
For example:

PC 1 N0F - 0190A - 0 06
 ① ② ③ ④ ⑤ ⑥
 (PC1N0F-0190A-006)

- ① Application: PC = Personal Communications
- ② Pattern: 1 = Omni Directional
- ③ Connector: N0F = Type N connector, female
D0F = 7-16 DIN connector, female
- ④ Frequency and product revision:
0190A = 1850-1990 MHz, revision A
- ⑤ Degree of Downtilt
- ⑥ Nominal gain (dBi)

Environmental Characteristics

Survival Wind Speed:	56 m/s (200 km/h) 125 mph
Temperature:	-40°C to 55°C
Humidity:	Up to 100%
Lightning Protection:	DC ground

Mechanical Characteristics

Support Pipe Material:	Aluminum
Radome Material:	UV Protected Fiberglass
Radome Color:	Gray
Mounting Hardware:	Ordered Separately

Electrical Characteristics

Frequency Range:	1850 - 1990 MHz
Impedance:	50 ohms
Return Loss (VSWR):	>14.0 dB (<1.5:1)
Polarization:	Vertical
Power:	Continuous >200 W Peak >4 kW

