Liberty

TECHNICAL SPECIFICATIONS

DAS Antennas

Ultra High Gain Parabolic Antenna

LAPG600-6500N (N Female Connector)
LAPG600-65004 (4.3/10 Female Connector)

Liberty's antenna solutions are designed for DAS applications offering leading edge performance at an economical price.

OVERVIEW:

When maximizing gain is the priority, parabolic grid antennas deliver the performance needed. Liberty's LAPG series are outdoor donor antennas primarily used for DAS deployments. With 25dBi of gain, these vertically polarized antennas and their narrow beamwidth are the solution for maximum performance.

The design of this antenna makes it suitable for a variety of frequency demands ranging from 600 to 6500MHz for cellular and Wi-Fi applications.

Ultra-High gain parabolic grid antenna as a donor antenna for off-air DAS systems

Electrical Specifications			
Frequency Range (MHz)	600-960	1690-2700	3300-6500
Gain (dBi)	10–16	21–25	16.25
VSWR	≤2.5	≤ 2.0	≤2.5
Polarization	Vertical		
Front to Back Ratio (dB)	11–20	25–29	11–22
Horizontal Beamwidth (degrees)	17–29	6–11	6–9
Vertical Beamwidth (degrees)	28–40	11–15	6–13
Input Impedance (Ohms)	50		
Max Input Power (Watts)	50		
Lightning Protection	DC Ground		

FEATURES:

- High gain up to 25dBi above 1690MHz
- Pole mountable
- Aluminum reflector for light weight and long outdoor deployments

COMES WITH

- Pigtail cable and connector (see table)
- Stainless steel pole mount bracket

BENEFITS:

- Maximum distance to your signal source
- Dependable design for optimal system performance
- Designed for long service life in outdoor environments typically on roof tops supporting wireless applications such as DAS

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Mechanical Specifications	
Connector	LAPG600-6500N (N Female Connector), LAPG600-65004 (4.3/10 Female Connector)
Pigtail cable type, length	RG303 Coax cable black, 360mm
Dimensions (mm)	600 x 900
Weight (kg)	2.0
Reflector material	Aluminum
Mounting bracket	Stainless steel, included. Designed for pole dia 38–52mm
Operating temperature (degrees C)	-40 to +65

RADIATION PATTERNS