

Deferral of CDMA/EVDO or UMTS/HSPA+ carrier adds

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SPECIFICATIONS

Antennas

Special Events Multibeam Antenna

MBA9-6F-P-H3

Electrical

Ports	18 x Mid-Band Ports for 1850-1995 MHz
Gain	24.1 dBi
Azimuth Beamwidth (-3dB)	9 x 5.6°
Azimuth Beam Crossover	-10.0 dB
Elevation Beamwidth (-3dB)	11.3°
Electrical Downtilt	6°
Elevation Sidelobes (1st Upper)	< -18 dB
Front-to-Back Ratio @180°	> 35 dB
Cross-Polar Port-to-Port Isolation	> 25 dB
Interbeam Co-Pol Isolation (Adjacent Beams)	> 15 dB
Interbeam Co-Pol Isolation (Non-Adjacent Beams)	> 13 dB
Voltage Standing Wave Ratio (VSWR)	< 1.5:1
Passive Intermodulation (2×20W)	≤ -153 dBc
Input Power Continuous Wave (CW)	300 watts
Polarization	Dual Pol 45°
Input Impedance	50 ohms
Lightning Protection	DC Ground

Mechanical

Dimensions (L×W×D)	33.1×65.3×7.8 in (840×1658×197 mm)
Survival Wind Speed	> 150 mph (> 241 kph)
	442 lbf @ 100 mph 1967 N @ 161 kph
	23 lbf @ 100 mph 104 N @ 161 kph
Effective Projective Area (EPA), Front ¹	17.2 ft ² (1.6 m ²)
Weight *	99.2 lbs (45.0 kg)
RF Connector	18 × 4.3-10 female
Mounting Pole	2x 2 to 5 in (5 to 12 cm)
Mounting Pole Spacing	38.4 in (976 mm) Center to Center
¹ Windload values calculated using CFD analysis * Weight excludes mounting	

Bottom View



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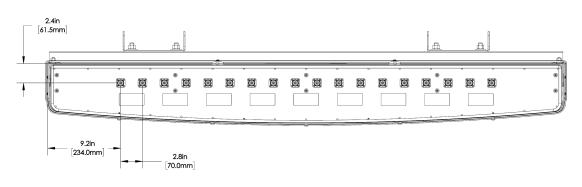
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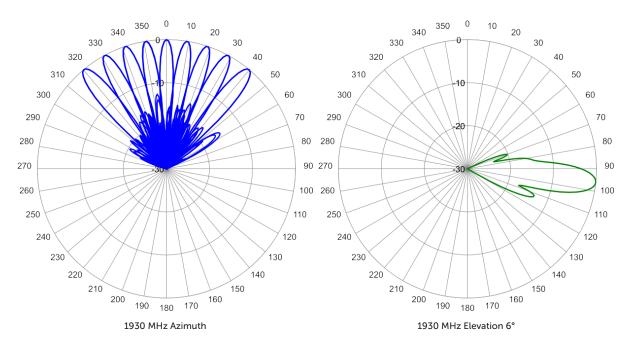
Connector Spacing

Mechanical



Typical Antenna Patterns

For detailed information on additional antenna patterns, contact customer support at support@cciproducts.com



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ORDERING

Special Events Multibeam Antenna

MBA9-6F-P-H3

Parts & Accessories

 MBA9-6F-P-H3-K
 3 foot (0.8 m) antenna, Nine-Beam Special Events Ultra-Wideband with 4.3-10 female connectors and two MBK-03 mounting brackets

 MBK-03 x2
 Mounting bracket kit (top and bottom) with 0° to 12°

mechanical tilt adjustment

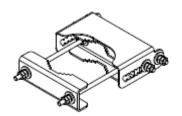
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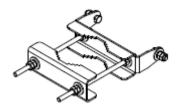
Mounting Bracket Kit

MBK-03

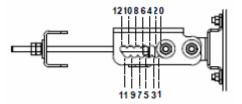
Mechanical	
Weight	9.8 lbs (4.4 kg)
Hinge Pitch	13 in (330 mm)
Mounting Pole Dimension	2 to 5 in (5 to 12 cm)
Fastener Size	M10
Installation Torque	15 ft·lbs (20 N·m)
Mechanical Tilt Adjustment	0° - 12°



MBK-03 Top Adjustable Bracket



MBK-03 Bottom Fixed Bracket



MBK-03 Top Adjustable Bracket Side View

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STANDARDS & CERTIFICATIONS

Special Events Multibeam Antenna

MBA9-6F-P-H3

Standards & Compliance

IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-5,
IEC 60068-2-6, IEC-60068-2-11, IEC 60068-2-14,
IEC 60068-2-18, IEC 60068-2-27, IEC 60068-2-29,
IEC 60068-02-30, IEC 60068-2-52, IEC 60068-2-64,
GR-63-CORE 4.3.1, EN 60529, IP 24

Certifications



