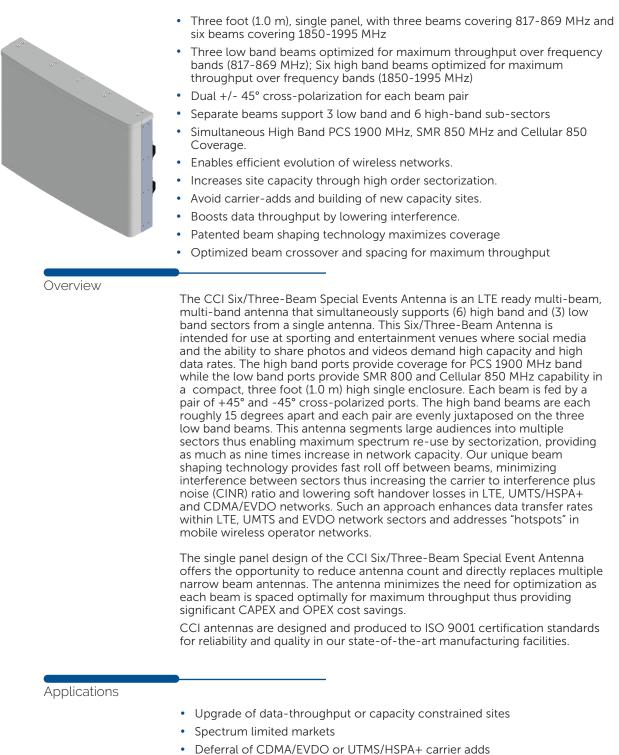


Six/Three Beam Special Events Antenna

MBA6-11F-CP-H3



Spectrum clearing and refarming

www.cciproducts.com extending wireless performance

Revision 1.3 DS-MBA611FCPH3-V1.3-221223



SPECIFICATIONS

Six/Three Beam Special Events Antenna

MBA6-11F-CP-H3

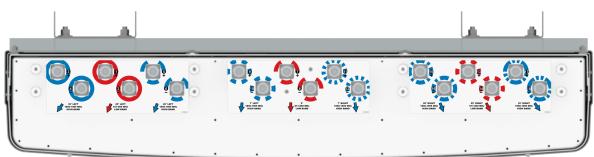
Electrical

Ports	$6 \times Low Band Ports for 817-869 MHz$	12 × High Band Ports for 1850-1995 MHz
Frequency Range	817-869 MHz	1850-1995 MHz
Gain	18.3 dBi	22.4 dBi
Azimuth Beamwidth (-3dB)	3 x 15.4°	6 x 8.3°
Azimuth Beam Crossover (Typ.)	-10 dB	-10.5 dB
Elevation Beamwidth (-3dB)	20.1°	11.4°
Electrical Downtilt	6°	4°
Elevation Sidelobes (1st Upper)	< -22 dB	< -20 dB
Front-to-Back Ratio @180°	> 35 dB	> 35 dB
Cross-Polar Port-to-Port Isolation	> 25 dB	> 30 dB
Interbeam Isolation	> 15 dB	> 15 dB
Interbeam Isolation (Non-Adjacent Beams)	>13 dB	>13 dB
Voltage Standing Wave Ratio(VSWR)	< 1.5:1	< 1.5:1
Passive Intermodulation (2×20W)	≤ -153 dBc	≤ -153 dBc
Input Power Continuous Wave (CW)	300 watts	300 watts
Polarization	Dual Linear 45°	Dual Linear 45°
Input Impedance	50 ohms	50 ohms
Lightning Protection	DC Ground	DC Ground

Mechanical

Dimensions (L×W×D)	40.8×55.0×10.2 in (1036×1398×259 mm)
Survival Wind Speed	> 150 mph (> 241 kph)
Front Wind Load ¹	425 lbf @ 100 mph 1892 N @ 161 kph
	37 lbf @ 100 mph 166 N @ 161 kph
Effective Projective Area (EPA), Front ¹	17.2 ft ² (1.6 m ²)
Weight *	115 lbs (52 kg)
Connector	$18 \times 7-16$ DIN female long neck
Mounting Pole	2x 2 to 5 in (5 to 12 cm)
Mounting Pole Spacing	38.4 in (976 mm)
¹ Windload values calculated using CFD analysis * Weight excludes mounting	

Bottom View



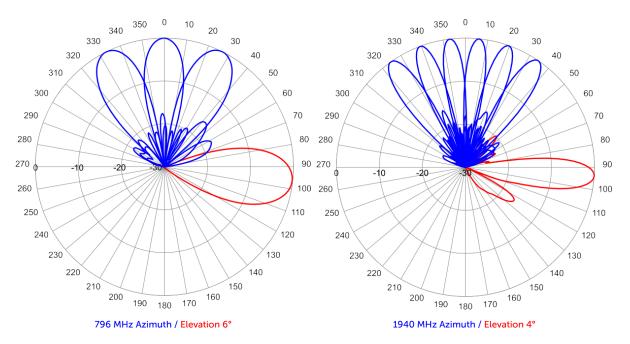
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Six/Three Beam Special Events Antenna MBA6-11F-CP-H3 **SPECIFICATIONS** Mechanical Connector Spacing 34.2in [869.7mm] 17.1in [434.8mm] 2.25in [57.17mm] 2.25in [57.17mm] 0 Ø ۲ ۲ ۲ 0 0 ۲ 0 0 0 0 0 0 0 Ø 0 0 0 0 0 \odot ۲ ۲ ۲ 1.6in [40.4mm]

Typical Antenna Patterns

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



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ORDERING	Six/Three Beam Special Events Antenna	MBA6-11F-CP-H3
	Parts & Accessories	
	MBA6-11F-CP-H3-K Three fooot (1.0 m) Antenna and two MBK-03 Mounting Brackets	
	MBK-03 x 2 Mounting bracket kit (top and bottom) with 0° to 12° mechanical tilt adjustment	

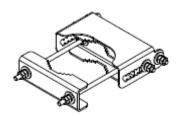
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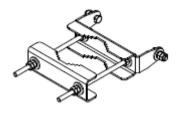
Mounting Bracket Kit

MBK-03

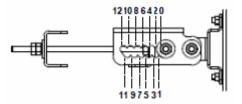
Mechanical	
Weight	9.8 lbs (4.4 kg)
Hinge Pitch	13 in (330 mm)
Mounting Pole Dimension	2 to 5 in (5 to 12 cm)
Fastener Size	M10
Installation Torque	15 ft·lbs (20 N·m)
Mechanical Tilt Adjustment	0° - 12°



MBK-03 Top Adjustable Bracket



MBK-03 Bottom Fixed Bracket



MBK-03 Top Adjustable Bracket Side View

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STANDARDS & CERTIFICATIONS

Six/Three Beam Special Events Antenna

MBA6-11F-CP-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

Federal Communication Commission (FCC) Part 15 Class B, ISO 9001



