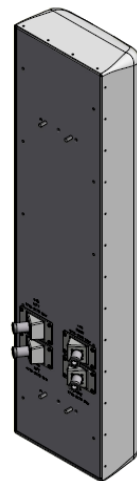


AXP-MB-430

Multi-Beam, Two 30° Xpol H-Beams
1710-2170 MHz

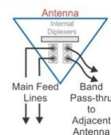
- Two Beam Antenna
- Optional Internal Diplexers
- Suitable for LTE/CDMA/UMTS/GSM



Available with Integrated Diplexers

Reduces mainline cables

Eliminates External Tower Devices



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	1710-1850 MHz	1850-1990 MHz	1990-2170 MHz
Horizontal Beamwidth, 3dB points	33°	30°	28.5°
Gain, (dBi)	19.0	19.5	20.0
Vertical Beamwidth, 3dB points	7.0°	7.0°	7.0°
Left/Right Beam Pointing	-26°/+26°	-23°/+23°	-22°/+22°
1st Sidelobe Max Azimuth	-13	-16	-18
Front-to-Back at Horizon	>28 dB		
Upper Sidelobe Suppression, Typical, dB	< -18		
Polarization	Two x Slant +/- 45		
Elect. Downtilt Range, Options	0, 2, 4 or 6°		
VSWR/Return Loss, dB	<1.40:1 / 15.6 dB		
VSWR / Return Loss w/ip	<1.50:1 / 14.0 dB		
Isolation Between Ports, dB	< -27		
Intermodulation (2x20w), IM3, dBc	-150		
Impedance, ohms	50		
Maximum Power Per Connector, CW (w)	250		

MECHANICAL SPECIFICATIONS

Antenna Dimensions (LxWxD)	50.5 x 12.5 x 7.1 in. (1282x318x180mm)
Input Connector (female)	Four or Eight Back 7/16 DIN
Connector Torque	220-265 lbf-in (23-30 N-m)
Antenna Weight	34 lbs
Bracket Weight	13.2 lbs
RF Distribution	Printed Microstrip Substrate
Radome	Ultra High-Strength Luran
Weatherability	UV Stabilized, ASTM D1925
Radome Water Absorption	ASTM D570, 0.45%
Environmental	MIL-STD-810E
Wind Survival	150 mph
Front Wind Load @100mph	123.4 lbf
Equivalent Flat Plate @100mph	2.53 sq-ft. (c=2)
Mounting Brackets	Fits 3.5 Inch Max. O.D. Pipe
Mechanical Downtilt Range	0-12°
Clamps/Bolts	Galvanized Steel/Stainless Steel
Standard Bracket Kit	P/N 919011 (Included)

ORDER INFORMATION

MODEL	DESCRIPTION
AXP-MB-430-x	"-x" is a placeholder for the built-in fixed electrical downtilt in degrees, set to 0, 2, 4 or 6
AXP-MB-430-xip	"ip" option includes pass-thru integrated diplexer(s) which pass DC to the diplexer port(s)
919036	Optional Bracket Kit, 2-Point, 12deg D-tilt, For 4.5" OD Pole

**Beam Formers Integrated with Antenna
(no additional beam formers needed at base)**

Mechanical Outline Drawing

