

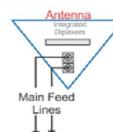
X7CAP-880

X-Pol Dual Band Antenna, 698-896/1710-2170 MHz,
(96", 80° H-Beam)



- Macro Cell High Gain Antenna
- Broadband Radiators
- Highly Reliable Fixed Tilt Design
- Suitable for LTE/CDMA/UMTS/GSM
- Mechanical Tilt Bracket Included

Available with Integrated Diplexers
Reduces mainline cables
Eliminates external tower devices



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-824	824-896	1710-1880	1850-1990	1920-2170
Horizontal Beam Width, 3dB points		80°		80°	
Gain, dBi	15.5	16.4	18.0	18.3	18.9
Vertical Beam Width, 3dB points		8.0°		4.5°	
Front-to-Back at 180°, dB	>27			>27	
Upper Side Lobe Suppression, Typical, dB	<-18			<-18	
Polarization	+/-45°			+/-45°	
Electrical Down Tilt, Fixed	0, 2, 4, 6, 8, 10°			0, 2, 4, 6°	
VSWR/Return Loss, dB, Maximum	1.5:1/-14.0			1.5:1/-14.0	
Isolation Between Ports, dB, Minimum	27			27	
Intermodulation (2x20w), IM3, dBc, Maximum	-150			-150	
Impedance, ohms	50			50	
Maximum Power Per Connector, CW	500 @ 800 MHz			250 @ 1900 MHz	

MECHANICAL SPECIFICATIONS

Dimensions, Length/Width/Depth	96.0/14.6/8.6 in. (2438/372/219mm)
Connector (Quantity)	(2 or 4) 7-16 DIN Female
Connector Torque	220-265 lbf-in (23-30 N-m)
Connector Location	Back or Bottom
Antenna Weight	49.4 lbs (22.4 kg) <i>Note: Weight varies slightly based on ordering options</i>
Bracket Weight	18.2 lb. (8.3 kg)
Standard Bracket Kit	CSS P/N 919032 (Included)
Mechanical Down Tilt Range	0-6°
Radome Material	High Strength Luran, UV Stabilized, ASTM D1925
Wind Survival	150 mph (241 km/h)
Front Wind Load	282.2 lbf (1255.2 N) @100mph
Equivalent Flat Plate	5.62 sq-ft (c=2) @ 100mph

ORDER INFORMATION

MODEL	DESCRIPTION
X7CAP-880- xy	X-Pol dual band antenna with four back DIN connectors
X7CAP-880- xy -IP	X-Pol dual band antenna with two back DIN connectors with integrated diplexers
X7CAP-880- xy -B	X-Pol dual band antenna with four bottom DIN connectors
X7CAP-880- xy -IP-B	X-Pol dual band antenna with two bottom DIN connectors with integrated diplexers
919049	Optional Bracket Kit, 3-Point, 6deg D-tilt, For 4.5" OD Pole

x defines the low band electrical tilt

y defines the high band electrical tilt