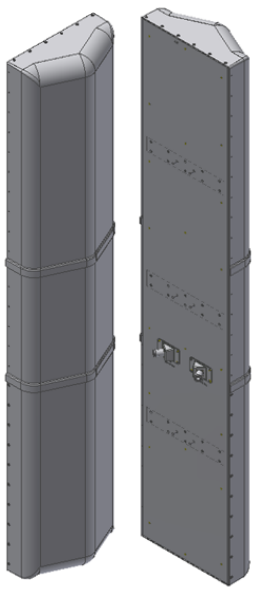
X7C-FRO-840

X-Pol Antenna, 698-896 MHz, (96.0", 40° H-Beam)



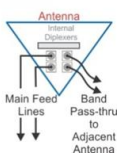
- Fast Roll Off (FRO)
- Designed to improve SNR
- Greatly increases LTE data rates
- Macro Cell High Gain Antenna
- Highly Reliable Fixed Tilt Design
- Suitable for LTE/CDMA/UMTS/GSM
- Mechanical Tilt Bracket Included

Available with Integrated Diplexers

Reduces mainline cables

Eliminates External Tower Devices

Supports high band TMAs



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-824	824-896
Horizontal Beam Width, 3dB points	40°	
Gain, dBi	18.7	19.5
Vertical Beam Width, 3dB points	8°	
Front-to-Back at 180°, dB	>30	
Upper Side Lobe Suppression, Typical, dB	<-18	
Polarization	+/-45°	
Electrical Down Tilt, Fixed	0, 2, 4, 6, 8, 10°	
VSWR/Return Loss, dB, Maximum	1.5:1/-14.0	
Return Loss, dB Maximum, Pass Thru	-17.7	
Isolation Between Ports, dB, Minimum	28	
Intermodulation (2x20w), IM3, dBc, Maximum	-150	
Impedance, ohms	50	
Maximum Power Per Connector, CW	500 @ 800 MHz	

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MECHANICAL SPECIFICATIONS

Dimensions, Length/Width/Depth	96.0/18.8/8.9 in. (2438/478/226mm)
Connector (Quantity)	(2 or 4) 7-16 DIN Female
Connector Torque	220-265 lbf-in (23-30 N-m)
Connector Location	Back
Antenna Weight	57.2 lbs (25.9 kg) *Note: Weight varies slightly based on ordering options*
Bracket Weight	19.2 lb. (8.7 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	363.4 lbf (1616.3 N) @100mph
Equivalent Flat Plate	7.24 sq-ft (c=2) @ 100mph

ORDER INFORMATION

MODEL	DESCRIPTION
X7C-FRO-840-*x*	X-Pol antenna with two back DIN connectors
X7C-FRO-840-*x*-IP	X-Pol antenna with four back DIN connectors with integrated pass thru diplexers
919049	Optional Bracket Kit, 3-Point, 6deg D-tilt, For 4.5" OD Pole

x **defines the electrical tilt**

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