X7C-480

X-Pol Antenna, 698-896 MHz, (50.5", 80° H-Beam)

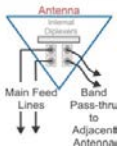
- Macro Cell High Gain Antenna
- Broadband Radiators
- Highly Reliable Fixed Tilt Design
- Suitable for LTE/CDMA/UMTS/GSM
- Mechanical Tilt Bracket Included

Available with Integrated Diplexers

Reduces mainline cables

Eliminates External Tower Devices

Supports high band TMAs



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-824	824-896
Horizontal Beam Width, 3dB points	80°	
Gain, dBi	13.5	
Vertical Beam Width, 3dB points	16.0°	
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 (Non-IP)	1.4:1/-15.6	
VSWR/Return Loss, dB, Maximum (With-IP)	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	50.5/12.5/7.1 in. (1282/318/180mm)
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	20.0 lbs (9.1 kg) *Note: Weight varies slightly based on ordering options*
Bracket Weight	13.2 lb. (6.0 kg)
Standard Bracket Kit	CSS P/N 919011 (Included)
Mechanical Down Tilt Range	0-12°
Radome Material	High Strength Luran, UV Stabilized, ASTM D1925
Wind Survival	150 mph (241 km/h)
Front Wind Load	127.1 lbf (565.3 N) @100mph
Equivalent Flat Plate	2.53 sq-ft (c=2) @ 100mph

ORDER INFORMATION

MODEL	DESCRIPTION
X7C-480-*x*	X-Pol antenna with two back DIN connectors
X7C-480-*x*-IP	X-Pol antenna with four back DIN connectors with integrated pass thru diplexers
X7C-480-*x*-B	X-Pol antenna with two bottom DIN connectors
X7C-480-*x*-IP-B	X-Pol antenna with four bottom DIN connectors with integrated pass thru diplexers
919036	Optional Bracket Kit, 2-Point, 12deg D-tilt, For 4.5" OD Pole

x **defines the electrical tilt**

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