

## C7C-FRO-656

C-Pol Antenna, 698-896 MHz, (72.0", 56° H-Beam )

- 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



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	59°	55°
Gain, dBi	15.4	16.3
Vertical Beam Width, 3dB points	12.0°	10.5°
Front-to-Back at 180°, dB	>29	
Upper Side Lobe Suppression, Typical, dB	<-18	
Polarization	CIRCULAR	
Electrical Down Tilt, Fixed	0, 2°	
VSWR/Return Loss, dB, Maximum - Non IP	1.35:1/-16.5	
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 (745-756 MHz)	24	
Intermodulation (2x20w), IM3, dBc, Maximum	-150	
Impedance, ohms	50	
Maximum Power Per Connector, CW	500 @ 800 MHz	







MECHANICAL SPECIFICATIONS		
Dimensions, Length/Width/Depth	72.0/14.6/7.1 in. (1829/372/181mm)	
Connector (Quantity)	(2 or 4) 7-16 DIN Female	
Connector Torque	220-265 lbf-in (23-30 N-m)	
Connector Location	Back	
Antenna Weight	32.2 lbs (14.6 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	211.6 lbf (941.4 N) @100mph	
Equivalent Flat Plate	4.22 sq-ft (c=2) @ 100mph	

ORDER INFORMATION		
MODEL	DESCRIPTION	
C7C-FRO-656- <b>x</b>	C-Pol antenna with two back DIN connectors	
C7C-FRO-656- <b>x</b> -IP	C-Pol antenna with four back 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