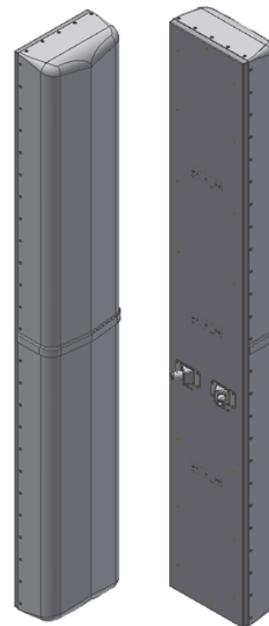


X7C-FRO-860

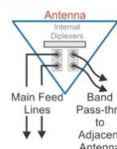
X-Pol Antenna, 698-896 MHz, (96.0", 60° H-Beam)

- 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 | 58° | |
| Gain, dBi | 17.5 | 18.3 |
| 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 | 27 | |
| Intermodulation (2x20w), IM3, dBc, Maximum | -150 | |
| Impedance, ohms | 50 | |
| Maximum Power Per Connector, CW | 500 @ 800 MHz | |

MECHANICAL SPECIFICATIONS

| | |
|--------------------------------|--|
| Dimensions, Length/Width/Depth | 96.0/14.6/8.0 in. (2438/371/203mm) |
| Connector (Quantity) | (2 or 4) 7-16 DIN Female |
| Connector Torque | 220-265 lbf-in (23-30 N-m) |
| Connector Location | Back |
| Antenna Weight | 43.4 lbs (19.7 kg) <i>Note: Weight varies slightly based on ordering options</i> |
| 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 | 282.2 lbf (1255.2 N) @100mph |
| Equivalent Flat Plate | 5.62 sq-ft (c=2) @ 100mph |

ORDER INFORMATION

| MODEL | DESCRIPTION |
|---------------------------|---|
| X7C-FRO-860- x | X-Pol antenna with two back DIN connectors |
| X7C-FRO-860- 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