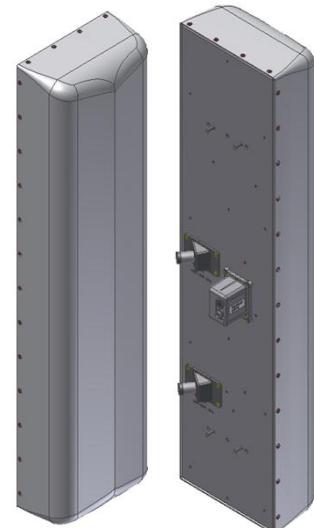


X7C-480-V

X-Polarization, 698-896MHz, 50.5", 80° H-Beam

Variable E-Tilt, RET

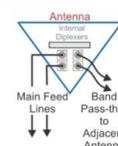
- Macro Cell Antenna
- Suitable for LTE/CDMA/UMTS/GSM
- Optional Internal Diplexers
- AISG 2.0 RET control



Available with Integrated Diplexers

Reduces mainline cables

Eliminates External Tower Devices



ELECTRICAL SPECIFICATIONS

| Frequency Band, MHz | 698-824 MHz | 824-896 MHz |
|--|-----------------|-------------|
| Horizontal Beam width, 3dB points | 77° | 83° |
| Gain, dBi | 13.8 | 13.3 |
| Vertical Beam width, 3dB points | 17.7° | 15.5° |
| Front-to-Back at 180°, dB | >25 | |
| Upper Side lobe Suppression, Typical, dB | < -18 | |
| Polarization | +/-45° | |
| Electrical Down tilt | 0°-12° or 4-16° | |
| VSWR/Return Loss, dB, Maximum | 1.5:1-14.0 | |
| Isolation Between Ports, dB, Minimum | 26 | |
| Intermodulation (2x20w), IM3, dBc | -150 | |
| Impedance, ohms | 50 | |
| Maximum Power Per Connector, CW (w) | 500 | |

MECHANICAL SPECIFICATIONS

| | |
|--------------------------------|--|
| Dimensions, Length/Width/Depth | 50.5/12.5/7.1 in (1282/318/180 mm) |
| Connector (Quantity) Type | (2) 7-16 DIN Female |
| Connector Torque | 220-265 lbf-in (23-30 N-m) |
| Connector Location | Back |
| Antenna Weight | 21.6 lbs (9.8 kg) |
| Bracket Weight | 13.2 lb (6.0 kg) |
| Standard Bracket Kit | P/N 919011 (Included) |
| Mechanical Downtilt Range | 0-12° |
| Radome Material | High Strength Luran, UV Stabilized, ASTM D1925 |
| Wind Survival | 150 mph (241 km/h) |
| Front Wind Load | 122.9 lbf (546.8 N) @100mph |
| Equivalent Flat Plate | 2.45 sq-ft (c=2) @ 100mph |

RET INFORMATION

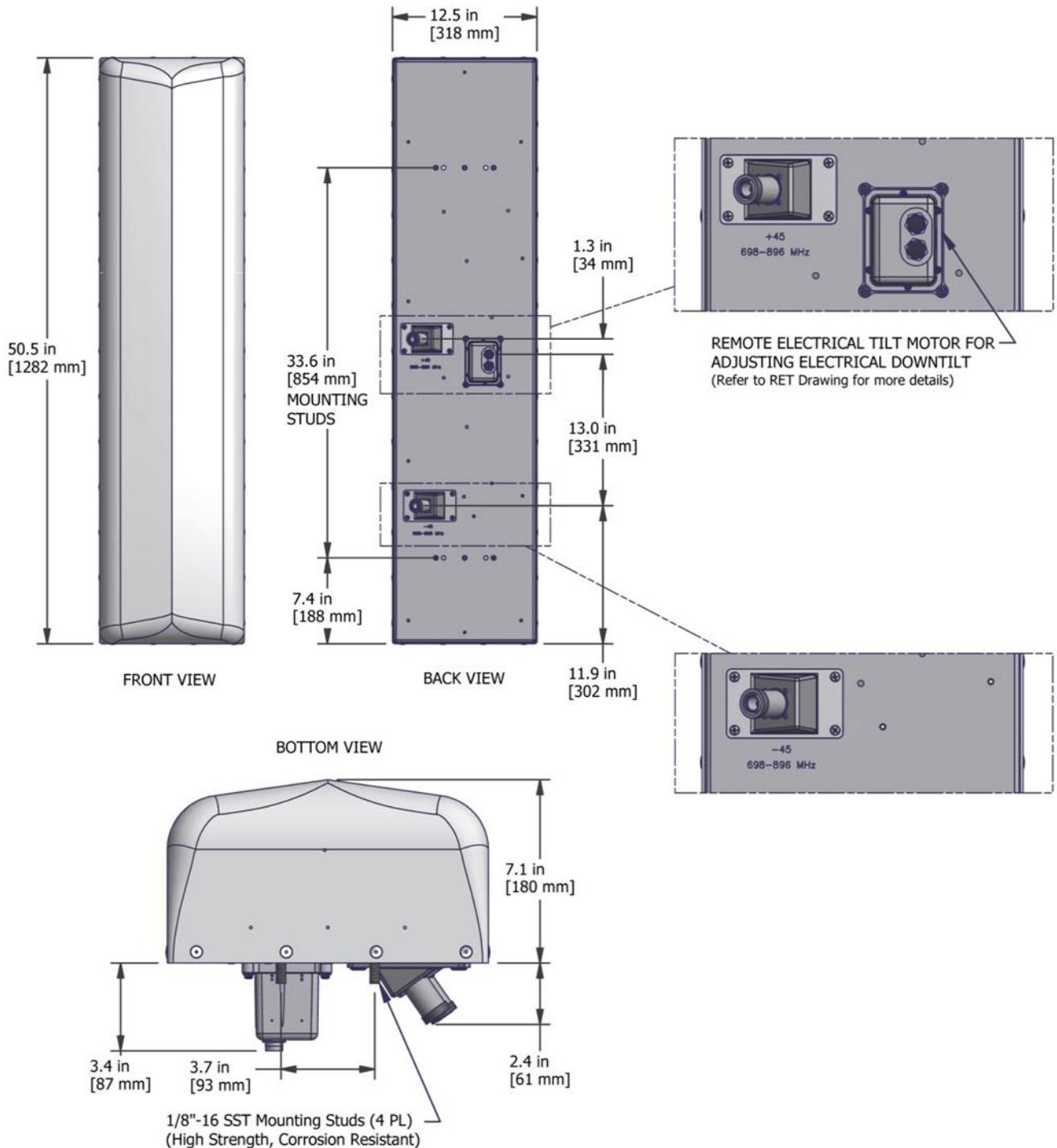
| | |
|------------------------|------------------|
| Model | RET-200 |
| Mounting Location | Rear of Antenna |
| Weight | 1.2 lb (0.54 kg) |
| Communication Standard | AISG 2.0 |
| Control System | PCU-220 |



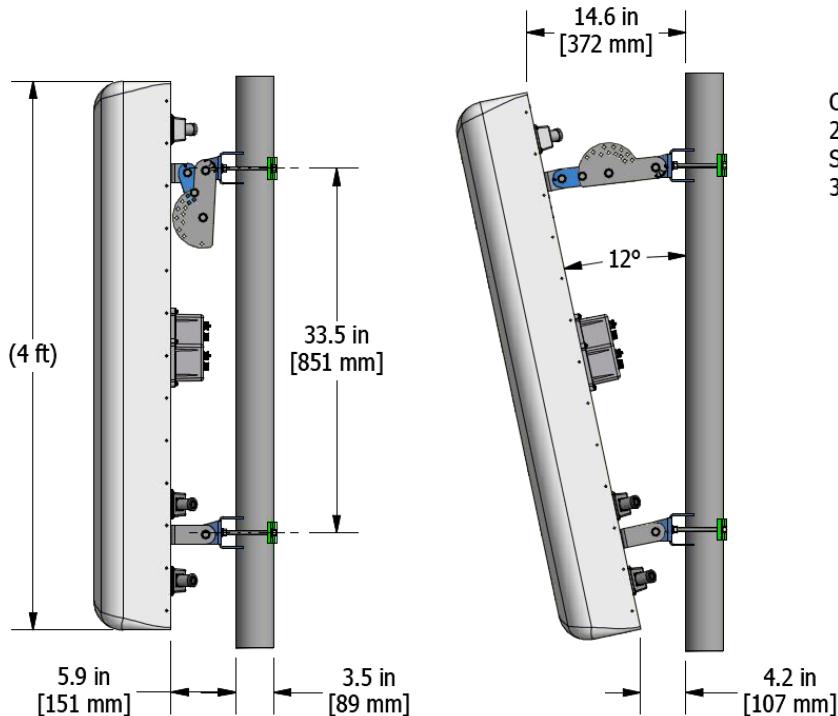
ORDER INFORMATION

| MODEL | DESCRIPTION |
|-------------|---|
| X7C-480-VR0 | Antenna with remote RET adjust electrical downtilt 0-12° |
| X7C-480-VR4 | Antenna with remote RET adjust electrical downtilt 4-16° |
| 919036 | Optional Bracket Kit, 2-Point, 12deg D-tilt, For 4.5" OD Pole |

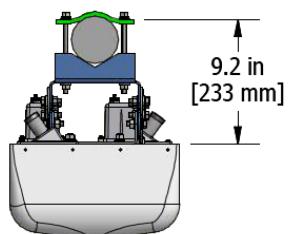
X7C-480-VR



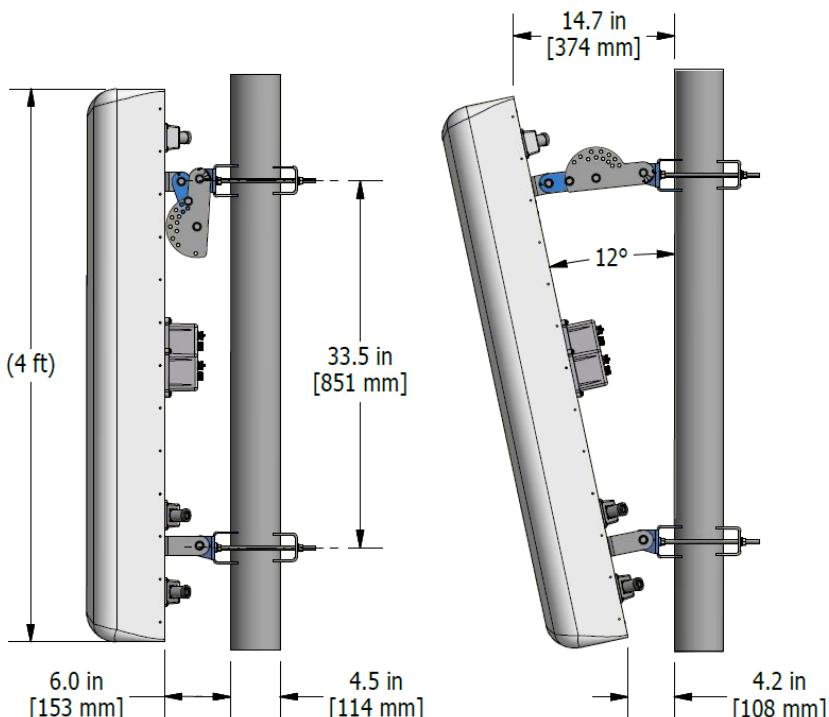
Standard Bracket Kit



CSS P/N: 919011 BRACKET KIT
2 POINT, 12 DEGREE DOWN TILT
SHOWN MOUNTED ON 3.5" O.D. POLE
3.5" O.D. MAX POLE SIZE



Optional Bracket Kit



CSS P/N: 919036 BRACKET KIT
2 POINT, 12 DEGREE DOWN TILT
SHOWN MOUNTED ON 4.5" O.D. POLE
4.5" O.D. MAX POLE SIZE

