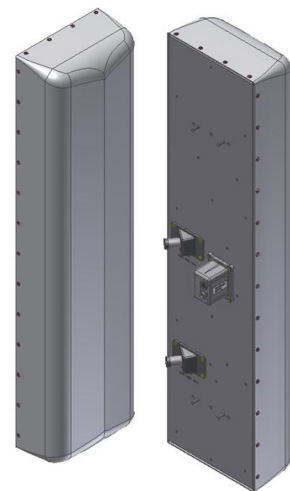


## X7C-465-V

X-Polarization, 698-896MHz, 50.5", 65° H-Beams  
RET

- Macro Cell Antenna
- Suitable for LTE/CDMA/UMTS/GSM
- AISG 2.0 RET Control



## ELECTRICAL SPECIFICATIONS

| Frequency Band, MHz                     | 698-824        | 824-896 |
|-----------------------------------------|----------------|---------|
| Horizontal Beamwidth, 3dB points        | 70°            | 65°     |
| Gain, dBi                               | 14.1           | 14.7    |
| Vertical Beamwidth, 3dB points          | 17.3°          | 15.3°   |
| Front-to-Back at 180°, dB               | >25            | >25     |
| Upper Sidelobe Suppression, Typical, dB | -17            | -17     |
| Polarization                            | +/-45°         |         |
| Electrical Downtilt                     | 0-12° or 4-16° |         |
| VSWR/Return Loss, dB, Maximum           | 1.5:1/-14.0    |         |
| Isolation Between Ports, dB, Minimum    | >28            |         |
| 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                 | 22 lbs (10. 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          | 2.53 sq-ft (c=2) @ 100mph                      |

## RET INFORMATION

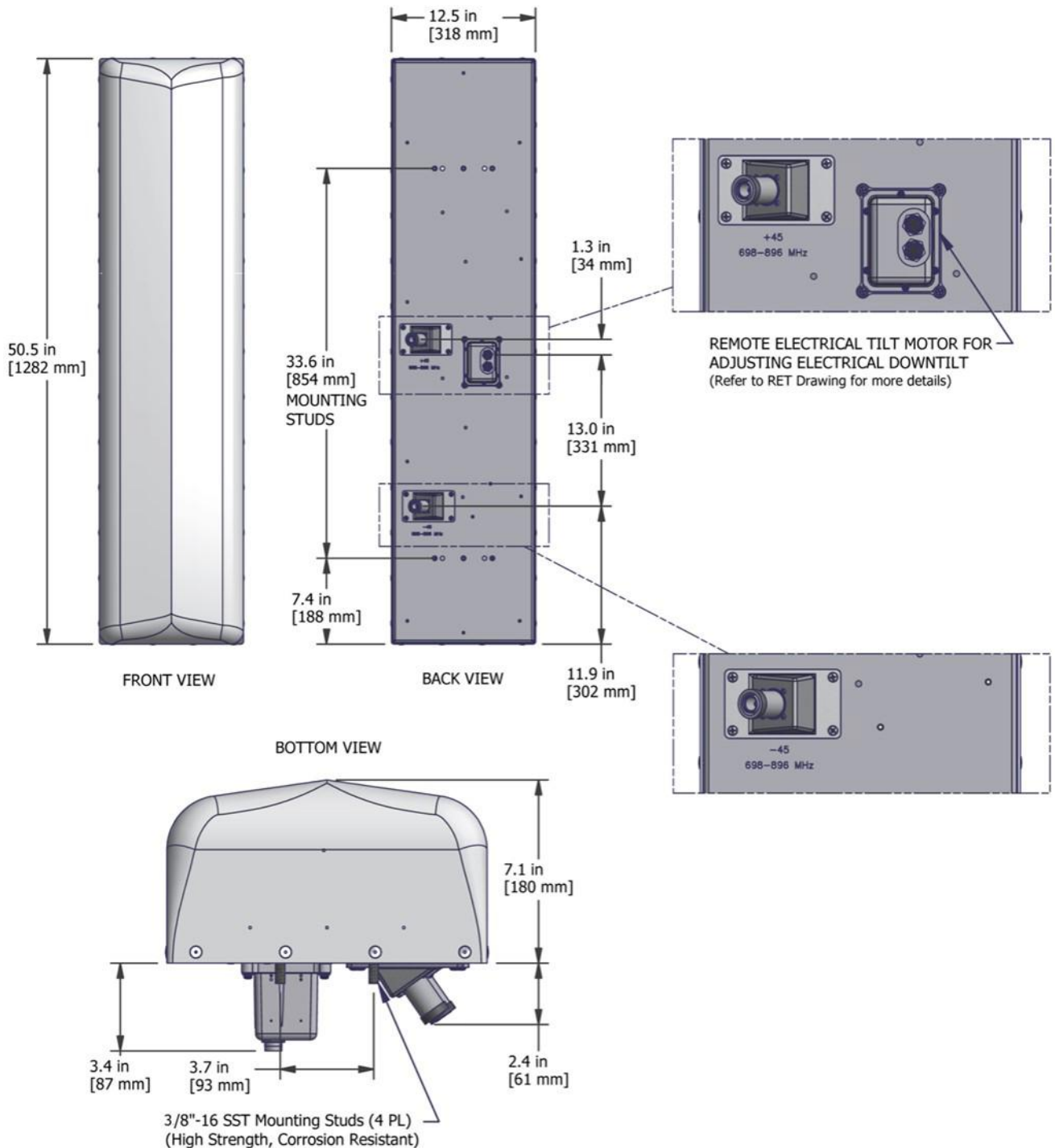
|                        |                  |
|------------------------|------------------|
| Model                  | RET-200          |
| Mounting Location      | Rear of Antenna  |
| Weight                 | 1.2 lb (0.54 kg) |
| Communication Standard | AISG 2.0         |
| Control System        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



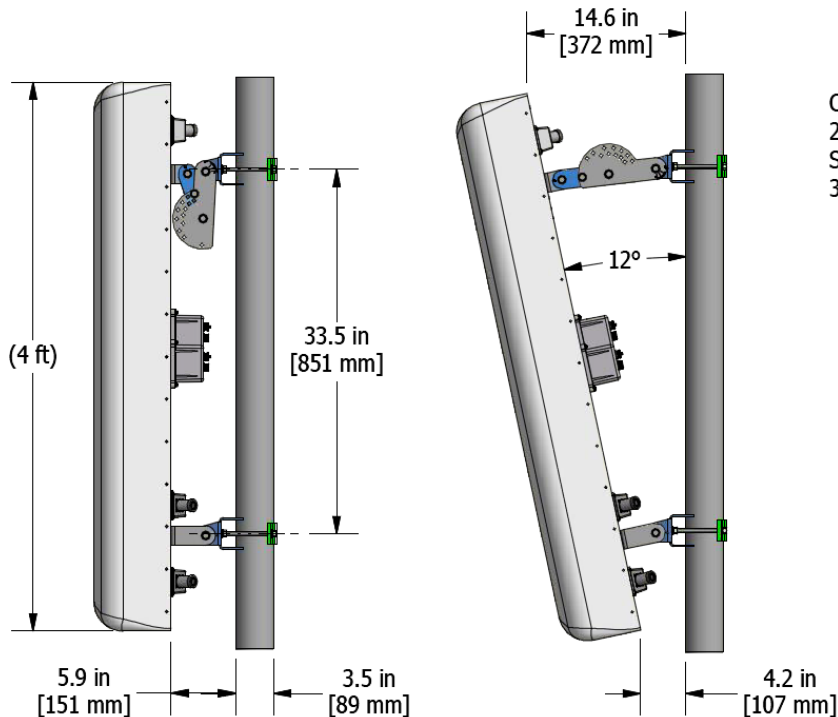
## ORDER INFORMATION

| MODEL       | DESCRIPTION                                                   |
|-------------|---------------------------------------------------------------|
| X7C-465-VR0 | Antenna with remote RET adjust electrical downtilt 0-12°      |
| X7C-465-VR4 | Antenna with remote RET adjust electrical downtilt 4-16°      |
| 919036      | Optional Bracket Kit, 2-Point, 12deg D-tilt, For 4.5" OD Pole |

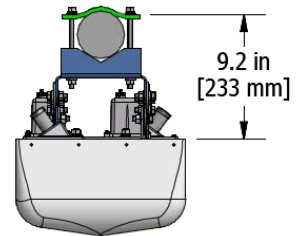
## Mechanical Outline Drawing: RET Version



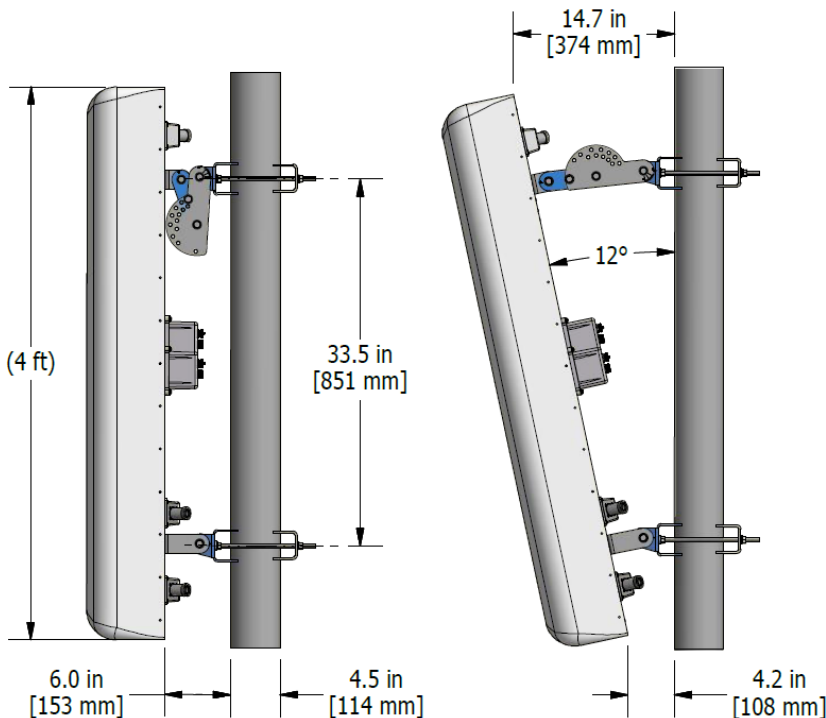
## Standard Bracket Kit



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

