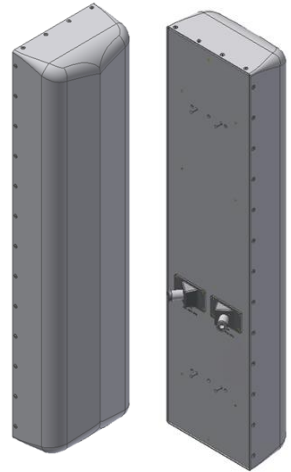


X7C-465

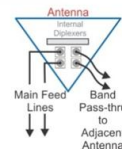
X-Pol Antenna, 698-896 MHz, (50.5", 65° H-Beam)

- 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 | 68° | 63° |
| Gain, dBi, (Average) | 14.4 | 14.4 |
| Vertical Beam Width, 3dB points | 16.2° | 13.8° |
| Front-to-Back at 180°, dB | >28 | |
| Upper Side Lobe Suppression, dB (Typical) | <-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

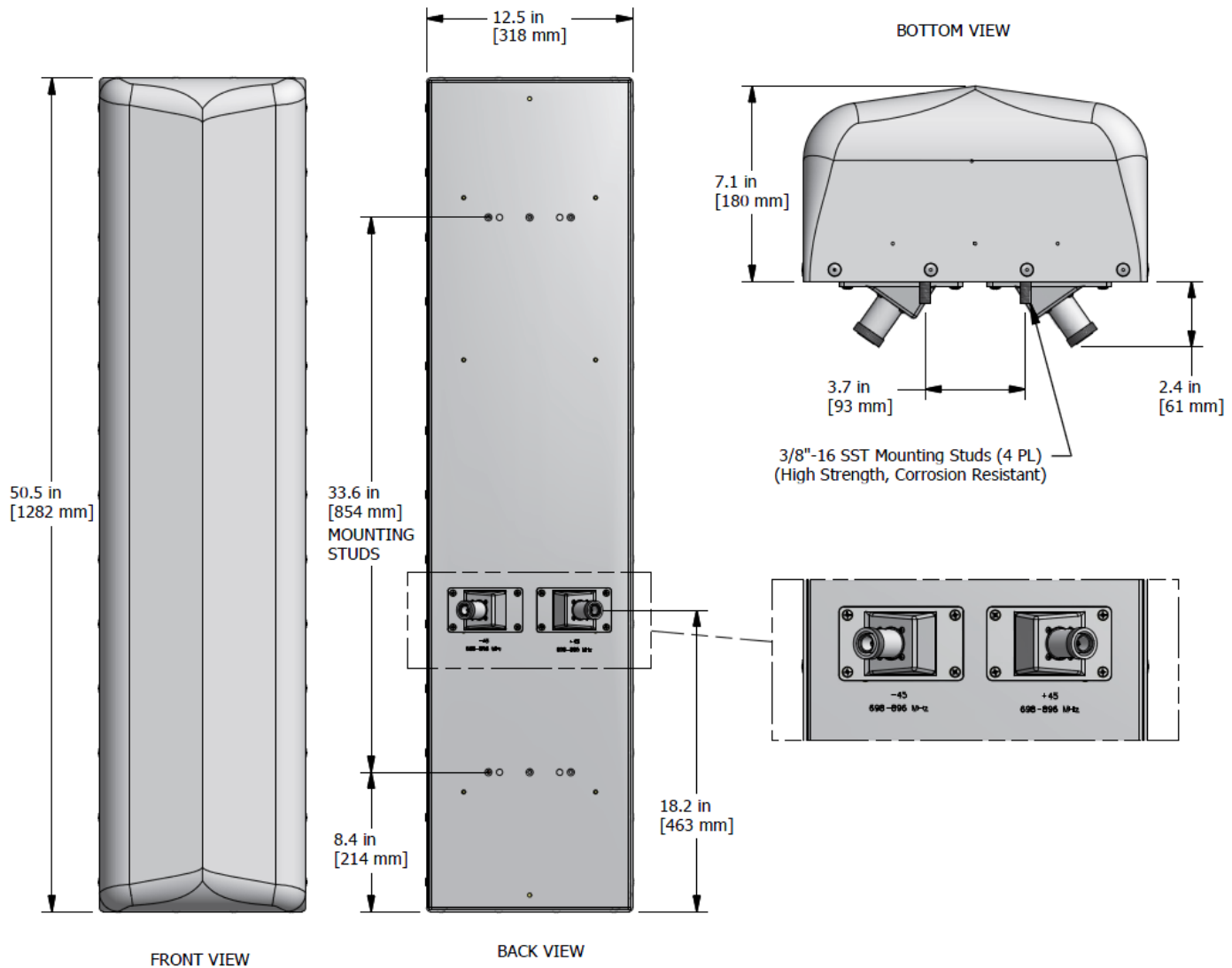
| | |
|--------------------------------|---|
| Dimensions, Length/Width/Depth | 50.5/12.5/7.1 in. (1282/318/180mm) |
| Connector (Quantity) | (2 or 4) 7-16 DIN Female |
| Connector Torque | 220-265 lbf-in (23-30 N-m) |
| Connector Location | Back or Bottom |
| Antenna Weight | 19.2 lbs (8.7 kg) <i>Note: Weight varies slightly based on ordering options</i> |
| 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

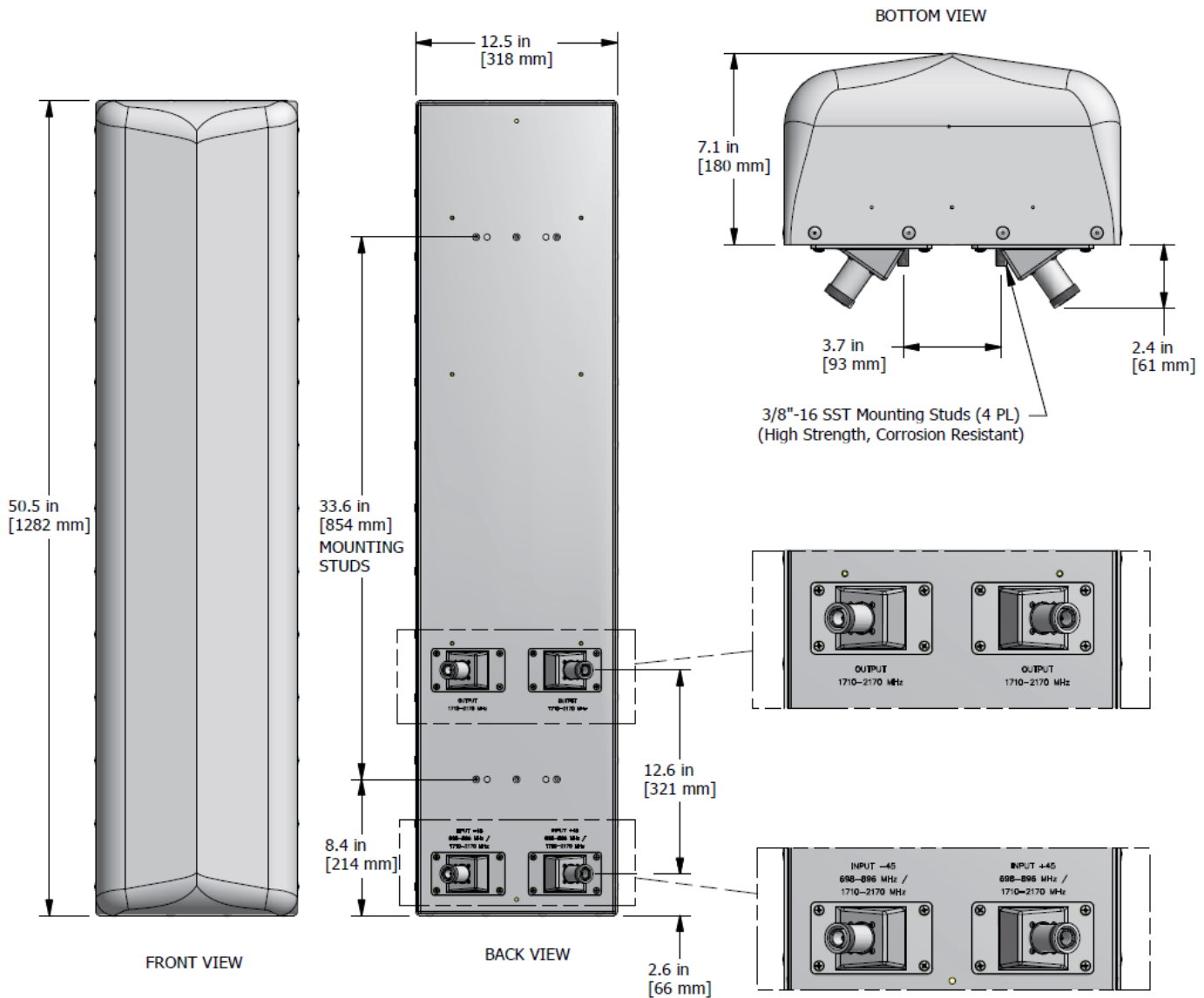
| MODEL | DESCRIPTION |
|-------------------------|---|
| X7C-465- x | X-Pol antenna with two back DIN connectors |
| X7C-465- x -IP | X-Pol antenna with four back DIN connectors with integrated pass thru diplexers |
| X7C-465- x -B | X-Pol antenna with two bottom DIN connectors |
| X7C-465- x -IP-B | 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 |

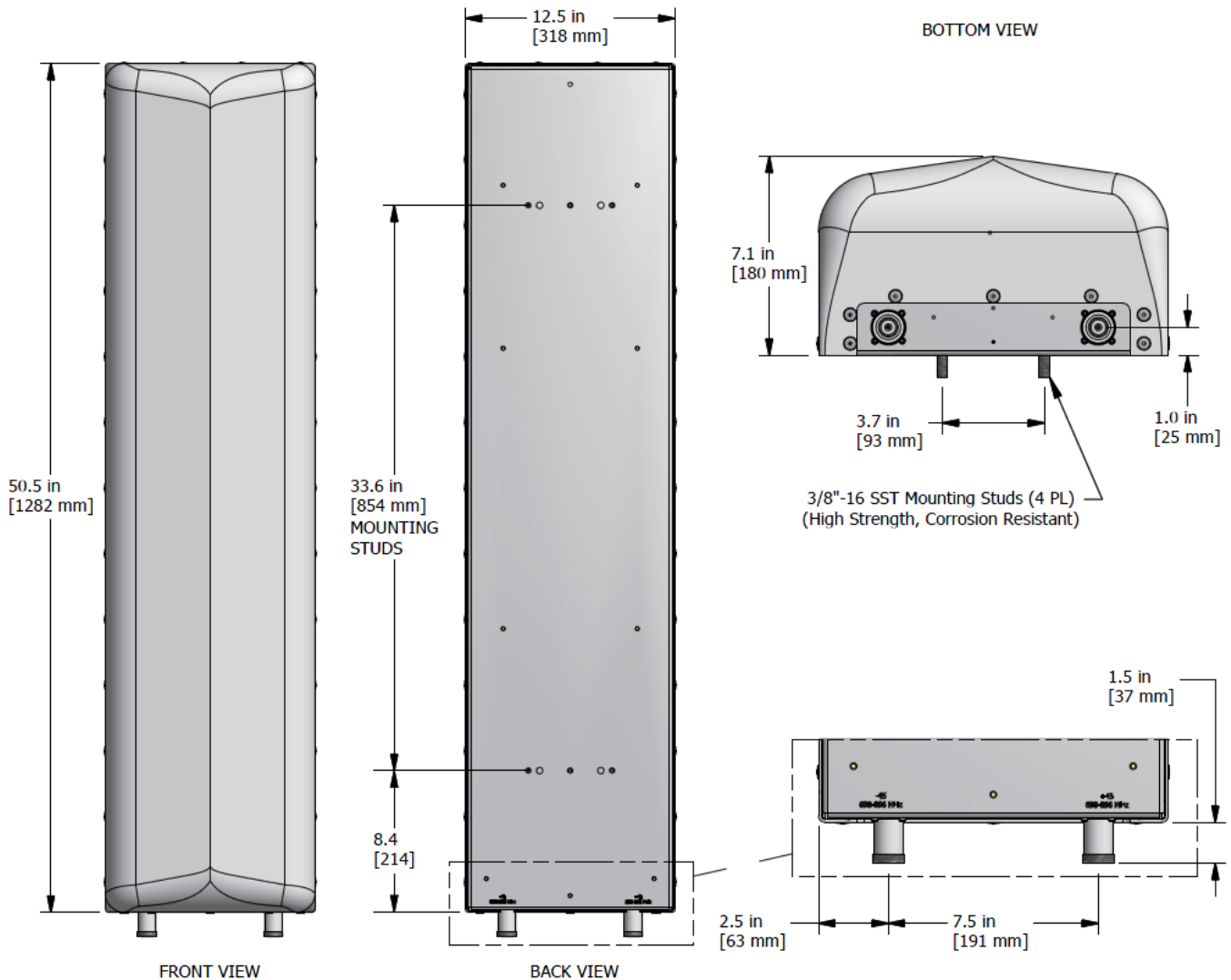
x defines the electrical tilt

Mechanical Outline Drawing: X7C-465-x

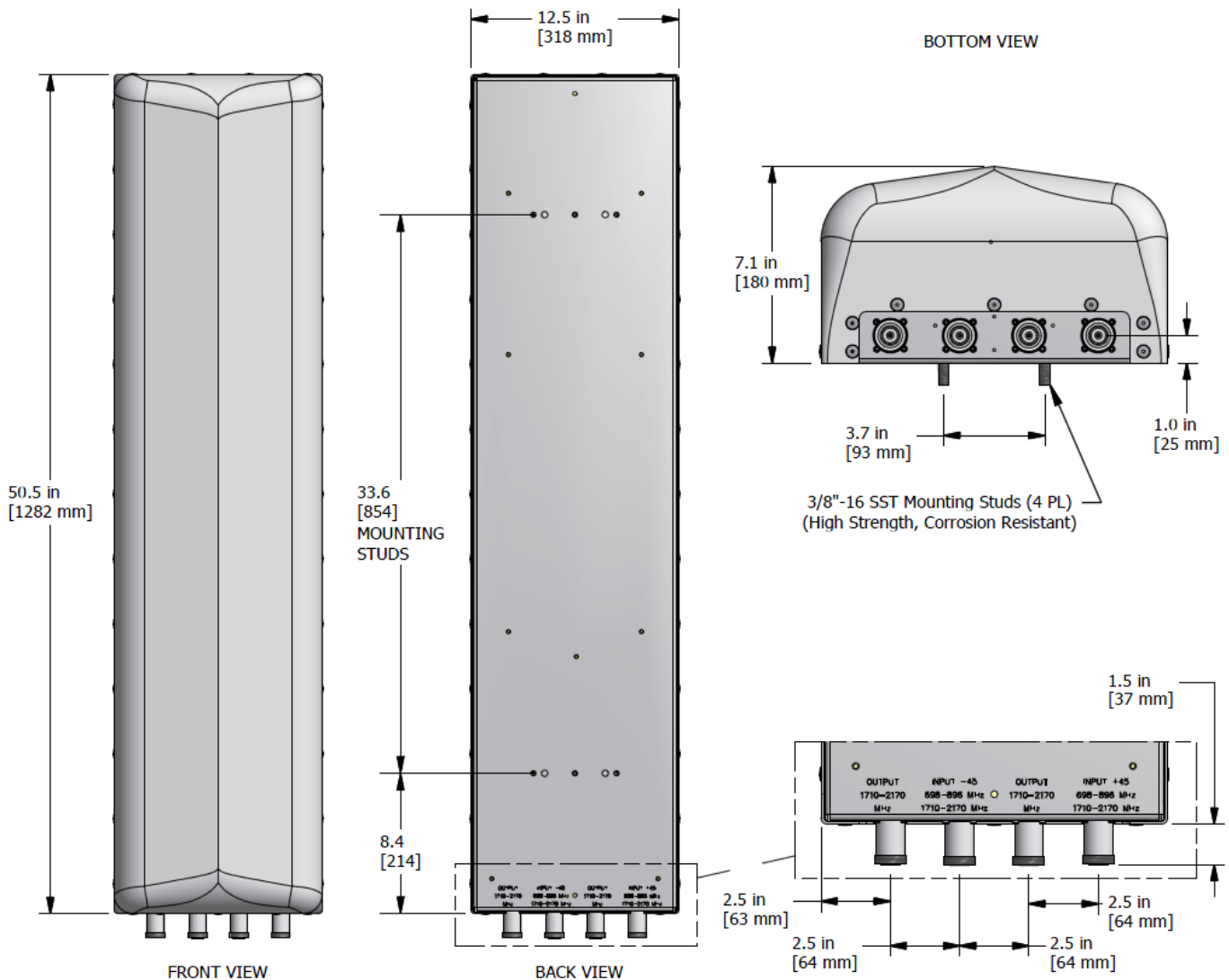


Mechanical Outline Drawing: X7C-465-x-IP

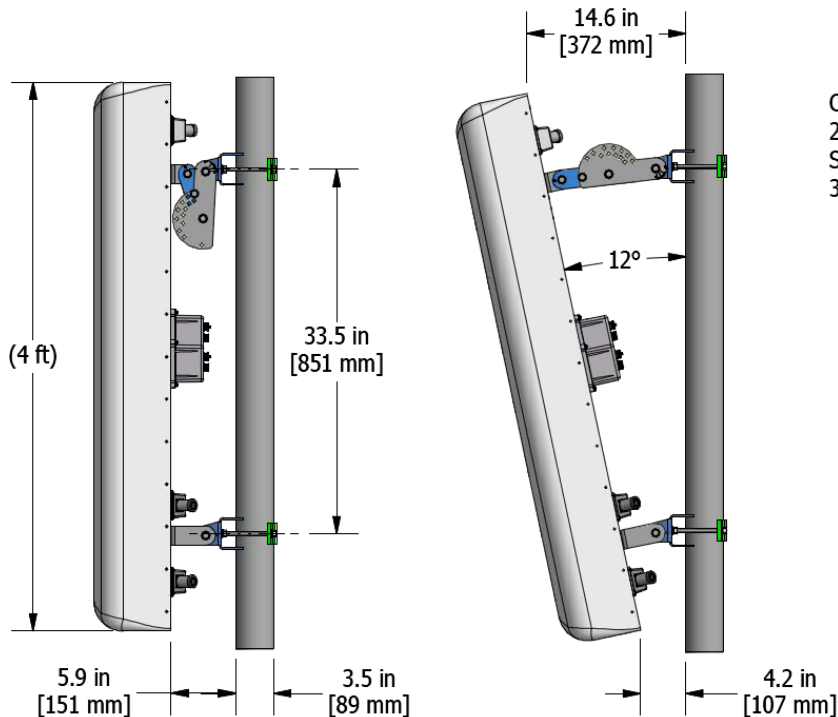


Mechanical Outline Drawing: X7C-465-x-B

Mechanical Outline Drawing: X7C-465-x-IP-B

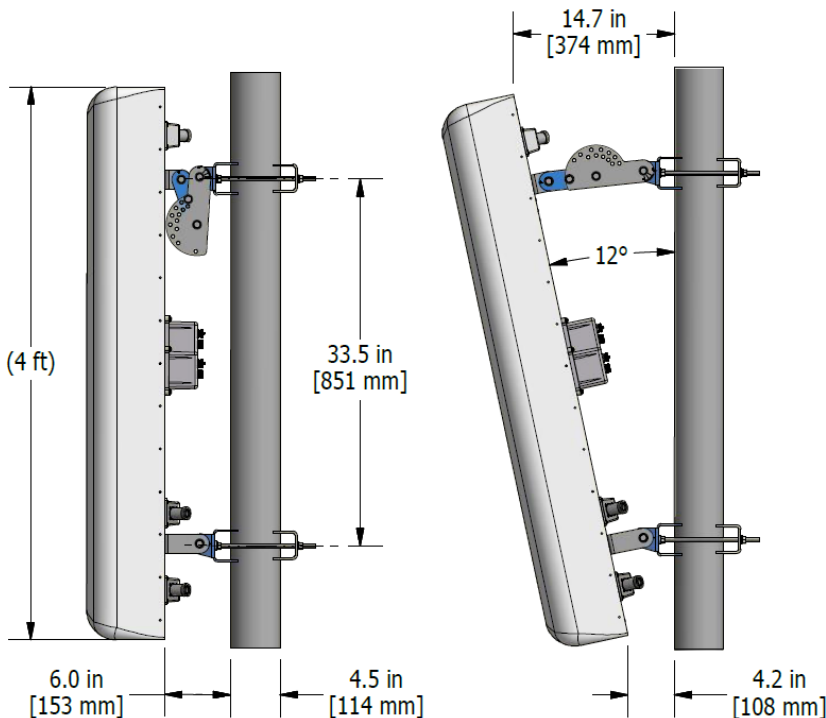


Standard Bracket Kit



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