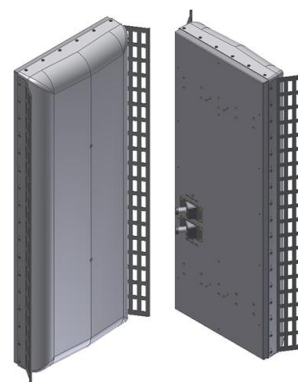


## X7C-FRO-433

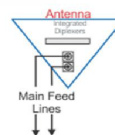
X-Pol, 698-896MHz, 50.5", Fast-Roll-Off 33° H-Beam

- Macro Cell Fixed Tilt Antenna
- Fast Roll Off (FRO)
- Suitable for LTE/CDMA/UMTS/GSM
- Optional Internal Diplexers



### Available with Integrated Diplexers

Reduces mainline cables



## ELECTRICAL SPECIFICATIONS

| Frequency Band, MHz                     | 698-800 MHz      | 800-896 MHz |
|---|------------------|-------------|
| Horizontal Beamwidth, 3dB points        | 33°              | 33°         |
| Gain, dBi                               | 17.4             | 18.0        |
| Vertical Beamwidth, 3dB points          | 14.5°            | 14.5°       |
| Front-to-Back at 180°, dB               | >30 dB           | >30 dB      |
| Upper Sidelobe Suppression, Typical, dB | 18               | 18          |
| Polarization                            | +/-45°           |             |
| Electrical Downtilt                     | 0°               |             |
| VSWR/Return Loss, dB, Maximum           | 1.5:1 / 14.0 dB  |             |
| VSWR/Return Loss, dB, Maximum with IP   | 1.50:1 / 14.0 dB |             |
| Isolation Between Ports, dB, Minimum    | 25               |             |
| Intermodulation (2x20w), IM3, dBc       | -150             |             |
| Impedance, ohms                         | 50               |             |
| Maximum Power Per Connector, CW (w)     | 500              |             |
| Lightning Protection                    | DC Ground        |             |

## MECHANICAL SPECIFICATIONS

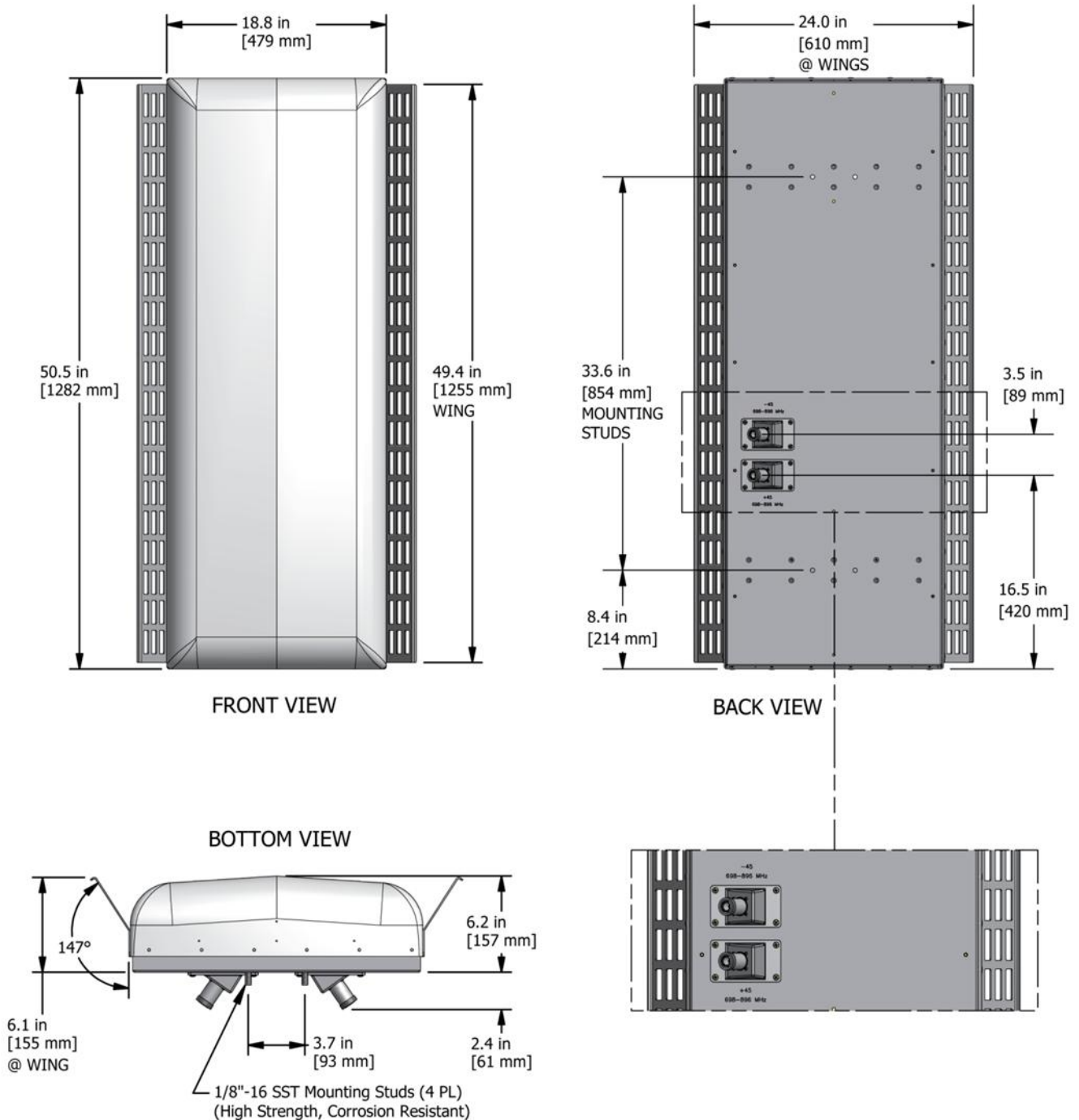
|                                |  |
|--------------------------------|--|
| Dimensions, Length/Width/Depth | 50.5 x 24 x 6.1 in ( 1282.7 x 608.6 x 154.94mm ) |
| Connector (Quantity) Type      | (2 or 4) 7-16 DIN Female                         |
| Connector Torque               | 220-265 lbf-in (23-30 N-m)                       |
| Connector Location             | Back or Bottom                                   |
| Antenna Weight                 | 38 lbs   |
| Bracket Weight                 | 13.2 lb (6.0 kg)                                 |
| Standard Bracket Kit           | P/N 919011 ( Included )                          |
| Mechanical Down tilt Range     | 0-12°  |
| Radome Material                | High Strength Luran, UV Stabilized, ASTM D1925   |
| Wind Survival                  | 209.3 mph (241 km/h)                             |
| Front Wind Load                | 248.8 lbf (931.1 N) @100mph                      |
| Equivalent Flat Plate          | 4.17 sq-ft (c=2) @ 100mph                        |

## ORDER INFORMATION

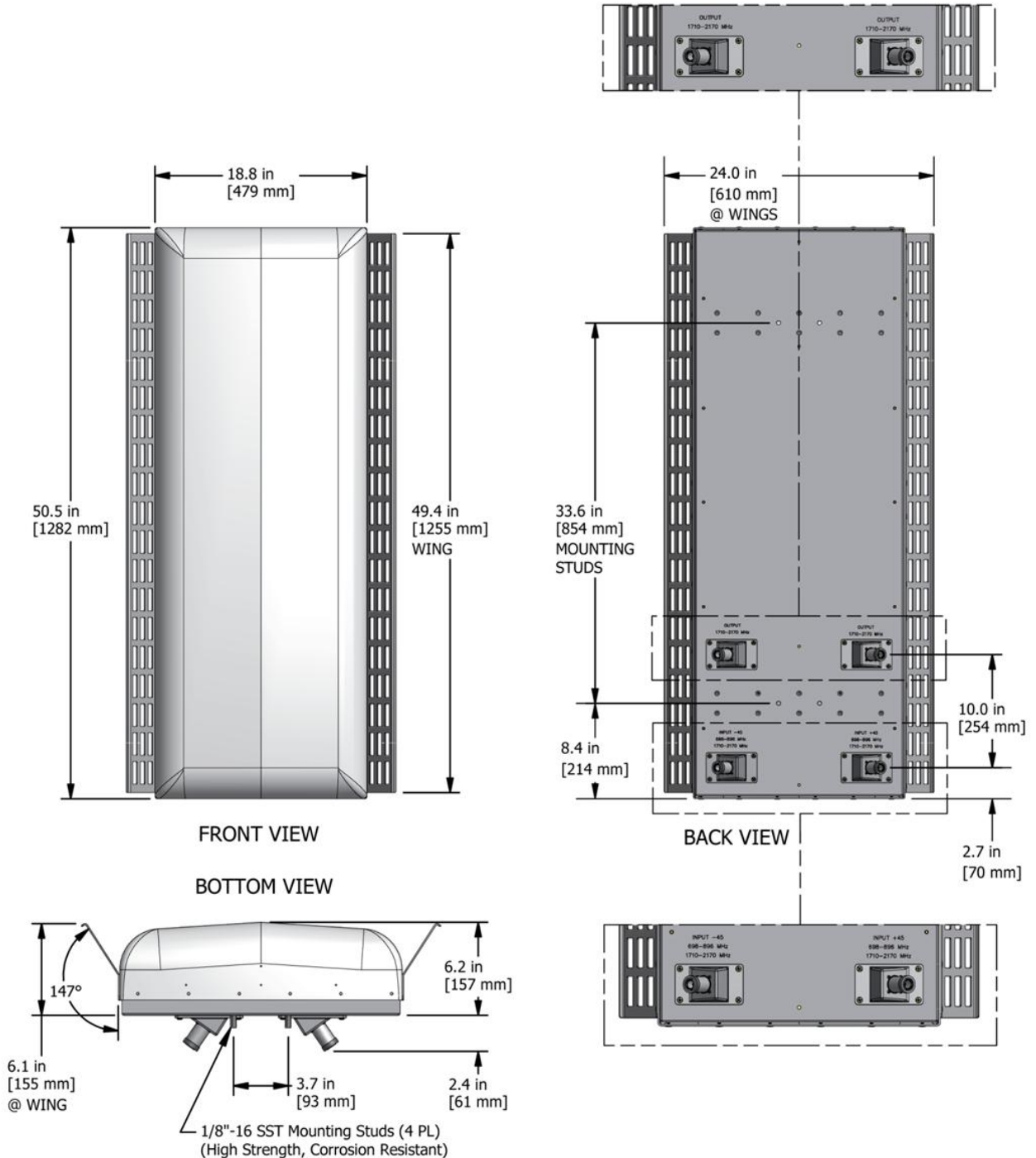
| MODEL            | DESCRIPTION   |
|------------------|---|
| X7C-FRO-433      | X-Pol antenna with two(2) back DIN connectors                             |
| X7C-FRO-433-IP   | X-Pol antenna with four(4) back DIN connectors and integrated diplexers   |
| X7C-FRO-433-B    | X-Pol antenna with two(2) bottom DIN connectors                           |
| X7C-FRO-433-IP-B | X-Pol antenna with four(4) bottom DIN connectors and integrated diplexers |
| 919036           | Optional Bracket Kit, 2-Point, 12deg D-tilt, For 4.5" OD Pole             |

## Mechanical Outline Drawing

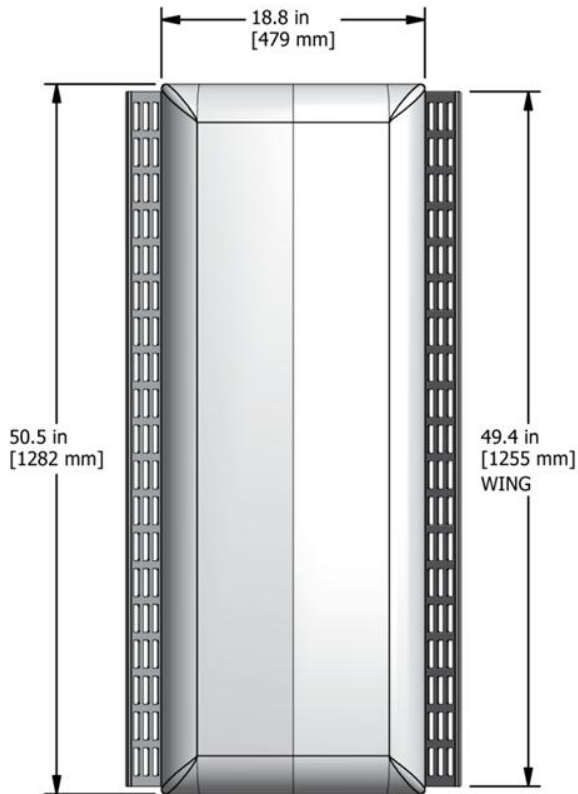
### X7C-FRO-433



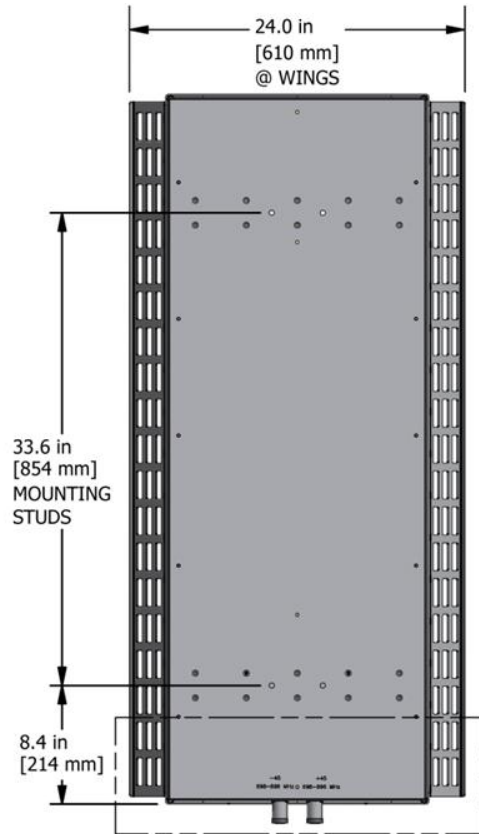
## X7C-FRO-433-I



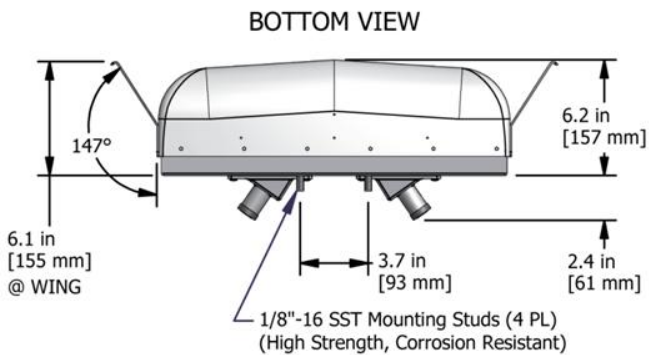
## X7C-FRO-433-B



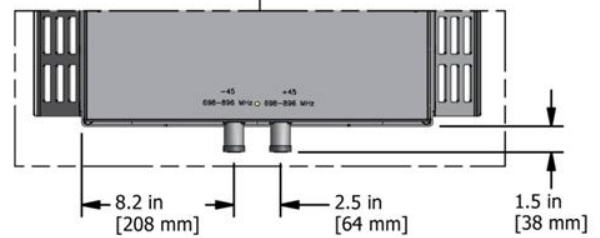
FRONT VIEW



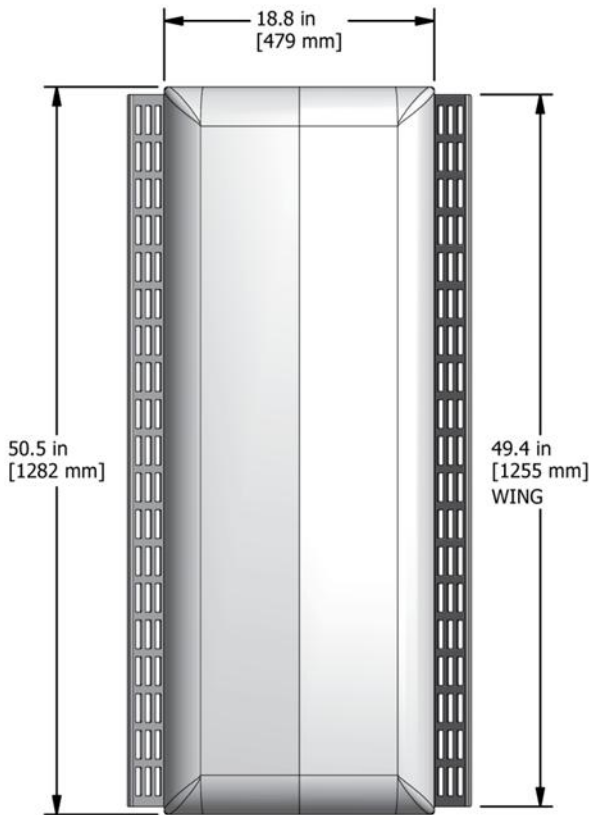
BACK VIEW



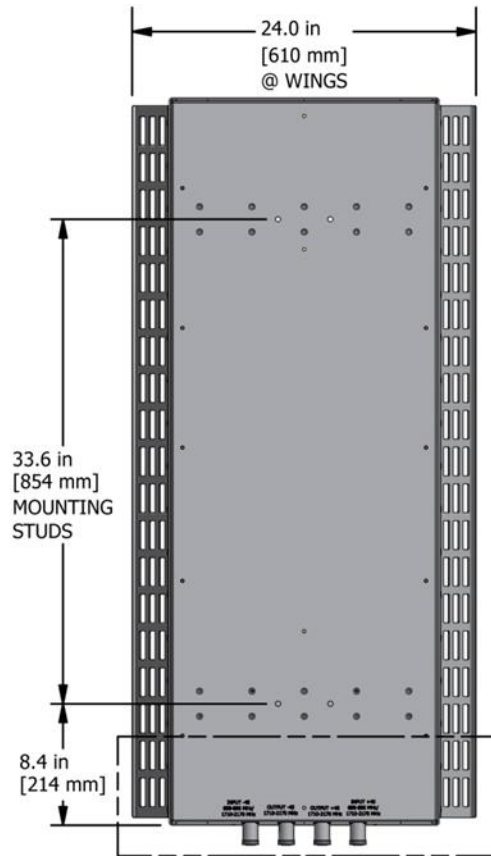
BOTTOM VIEW



## X7C-FRO-433-I-B



FRONT VIEW



BACK VIEW

BOTTOM VIEW

