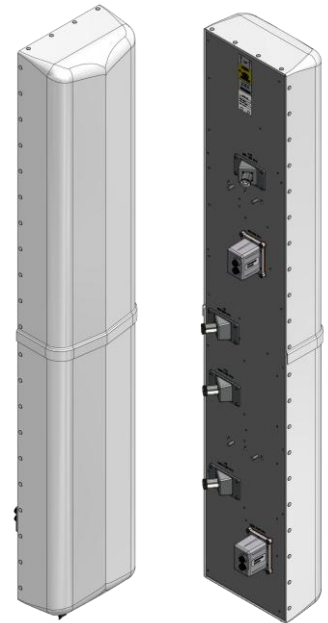


X7CAP-665-V

X-Pol Dual Band Antenna, 698-896/1695-2180MHz, 72"L,
65°Azimuth

RET

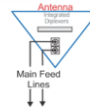
- Macro Cell Antenna
- Suitable for LTE/CDMA/UMTS/GSM
- AISG v2.0 RET Control
- Optional Internal Diplexers



Available with Integrated Diplexers

Reduces mainline cables

Eliminates external tower devices



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-824	824-896	1695-1880	1850-1990	1920-2180
Horizontal Beamwidth, 3dB points (Average)	70°	65°	64°	61°	60°
Gain, dBi (Average)	15.6	15.8	17.7	17.6	17.8
Vertical Beamwidth, 3dB points (Average)	11.4°	10.6°	6.4°	6.6°	6.4°
Front-to-Back at 180°, dB	>28		>28		
Upper Sidelobe Suppression, dB (Typical)	<-16		<-16		
Polarization	+/-45°		+/-45°		
Electrical Downtilt (See Order Information)	0-10° or 4-14°		0-6° or 4-10°		
VSWR/Return Loss, dB (Maximum)	1.5:1/14.0		1.5:1/14.0		
VSWR/Return Loss, dB, "ip" Option (Maximum)	1.6:1/-12.7		1.6:1/-12.7		
Isolation Between Ports, dB (Minimum)	28		28		
Intermodulation (2x20w), IM3, dBc, Maximum	-150		-150		
Impedance, ohms	50		50		
Maximum Power Per Connector, CW (w)	500		250		

MECHANICAL SPECIFICATIONS

Dimensions, Length/Width/Depth	72.0/12.5/7.3 in (1829/318/180mm)
Connector (Quantity)	(2) for diplexed or (4) for non-diplexed 7-16 DIN Female
Connector Torque	220-265 lbf-in (23-30 N-m)
Connector Location	Back or (Bottom for diplexed version)
Antenna Weight	40.2 lbs (18.2 Kg) may vary slightly based on options
Bracket Weight	13.2 lbs (5.99 Kg)
Standard Bracket Kit	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 @100mph	181.2 lbf (806.0 N)
Equivalent Flat Plate@100mph	3.61 sq-ft (c=2)

RET INFORMATION

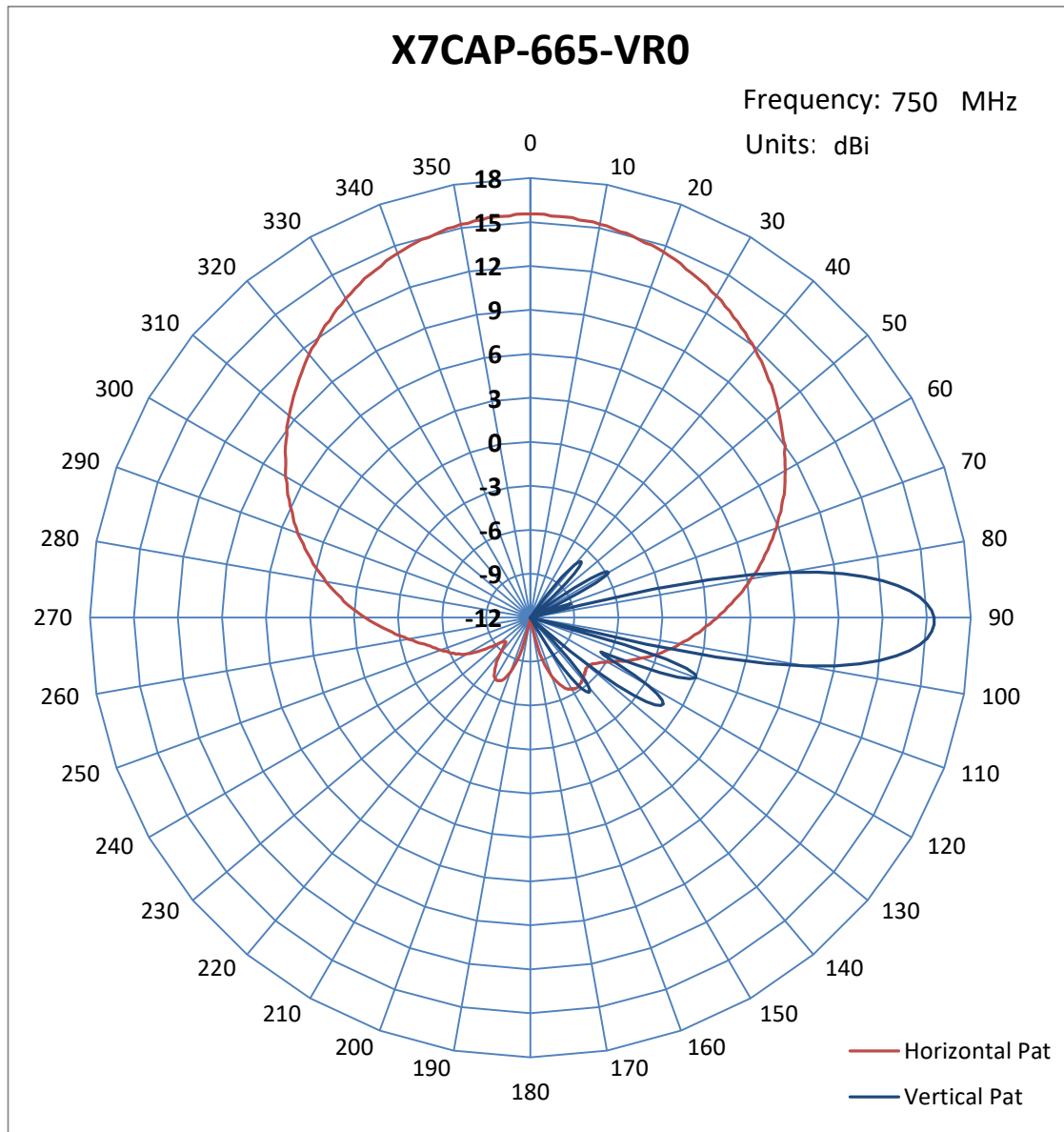
Model	RET-200
Mounting Location	Back
Weight	1.2 lb (0.54 kg)
Communication Standard	AISG 2.0
Control System	PCU-1000



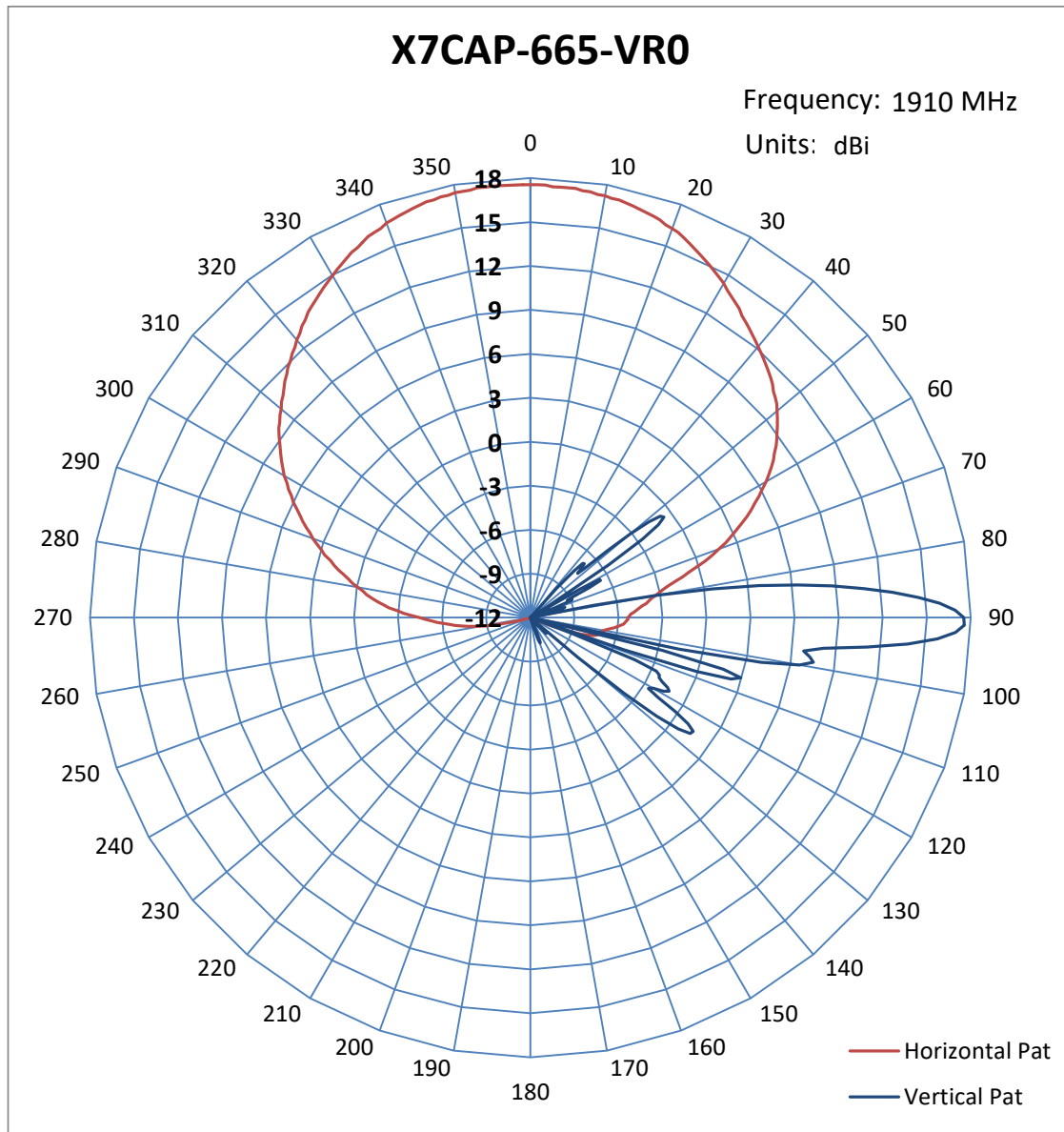
ORDER INFORMATION

MODEL	DESCRIPTION
X7CAP-665-VR0	Remote motor adjust variable e-tilt (RET), EDT 0-10° low band and 0-6° high band
X7CAP-665-VR0-IPB	Remote motor adjust variable e-tilt, EDT 0-10° low band and 0-6° high band, 2 bottom connectors w/ Integrated Diplexer
919036	Optional Bracket Kit, 2-Point, 12deg D-tilt, For 4.5" OD Pole
992100-CA013-SC	AISG Jumper Cable, M/F, 1.3 meters

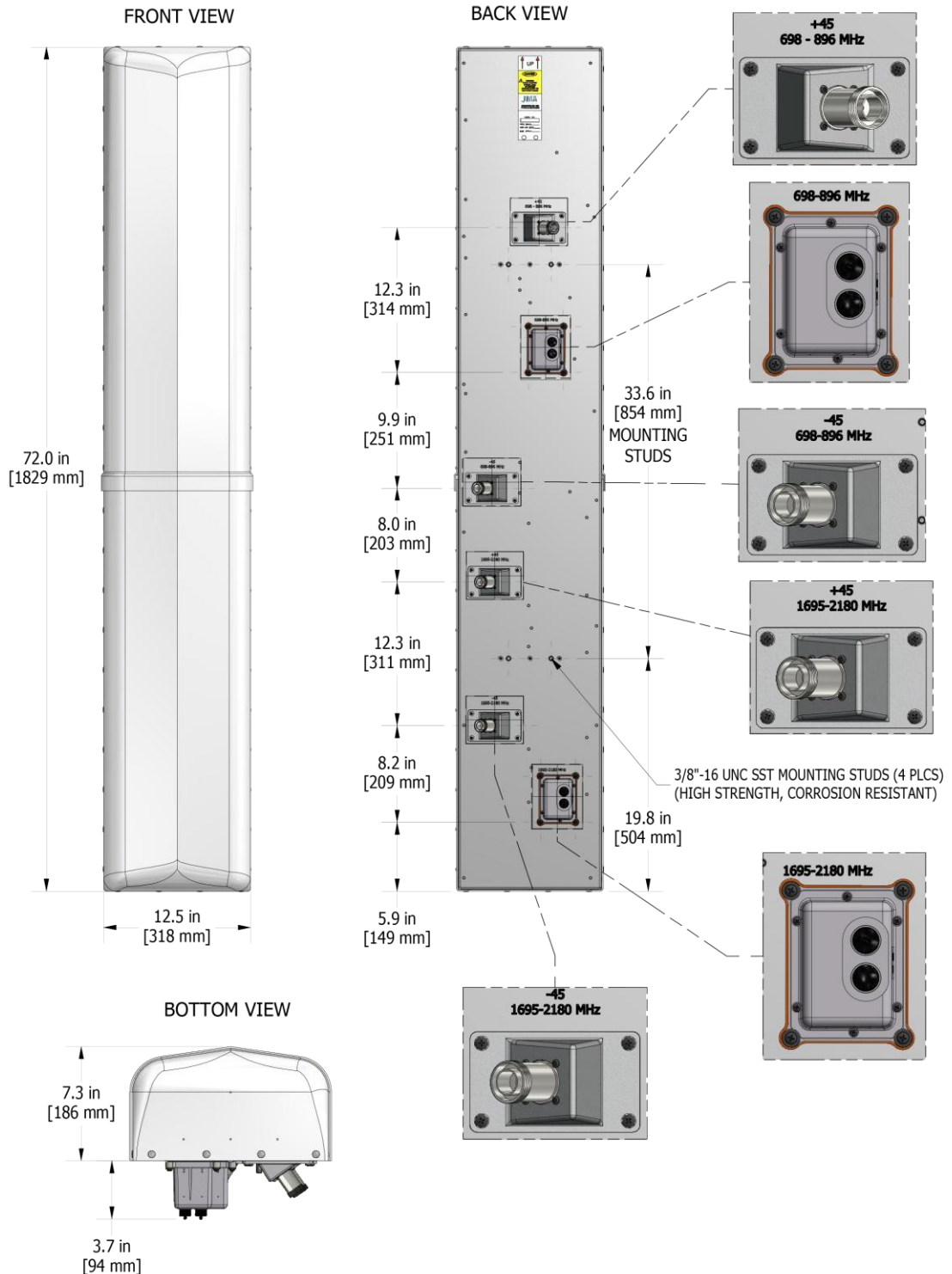
Pattern Plot: 750MHz



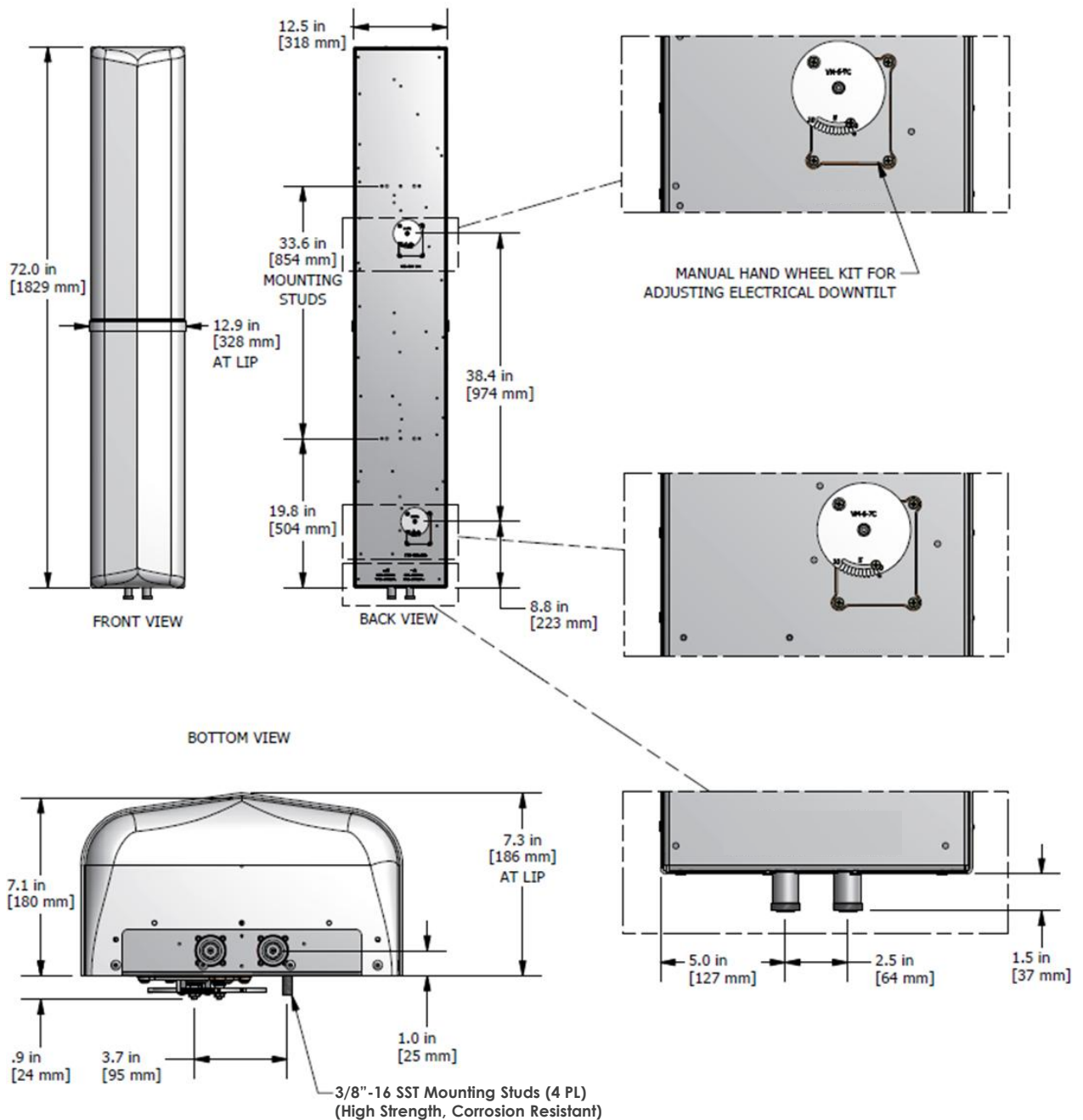
Pattern Plot:1910MHz



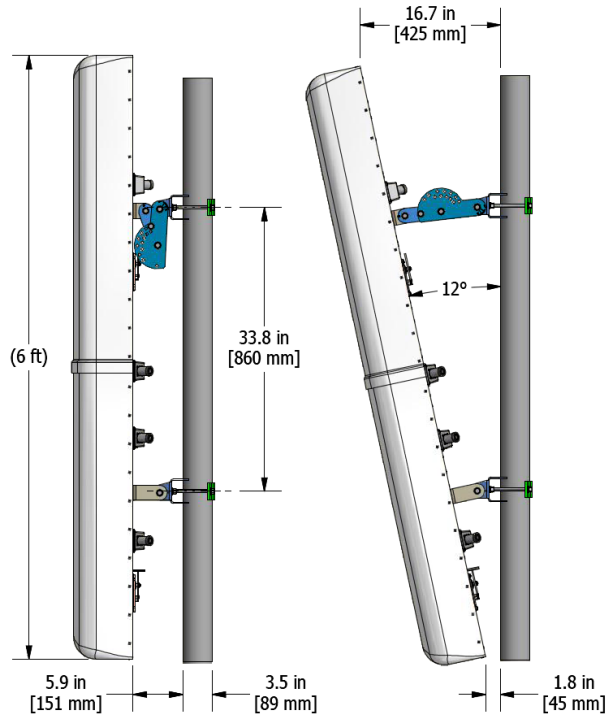
Mechanical Outline Drawing



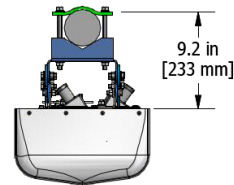
Mechanical Outline Drawing: X7CAP-665-Vxx-IPB



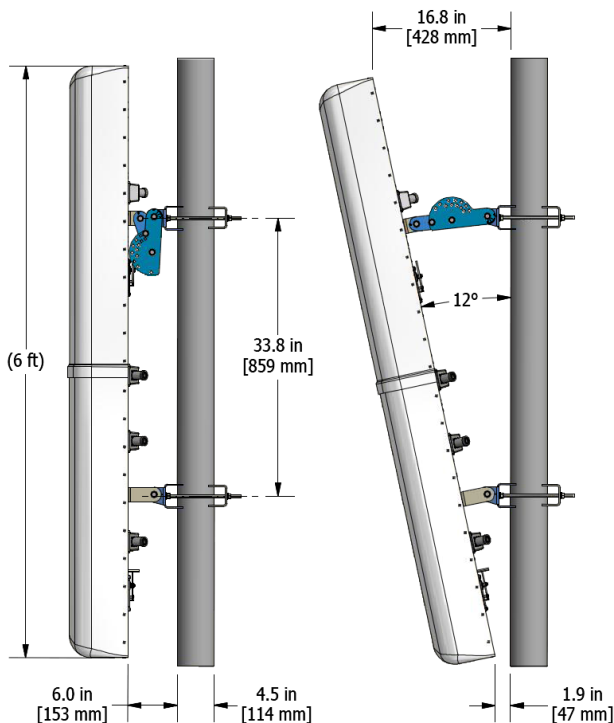
Standard Bracket Kit



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

