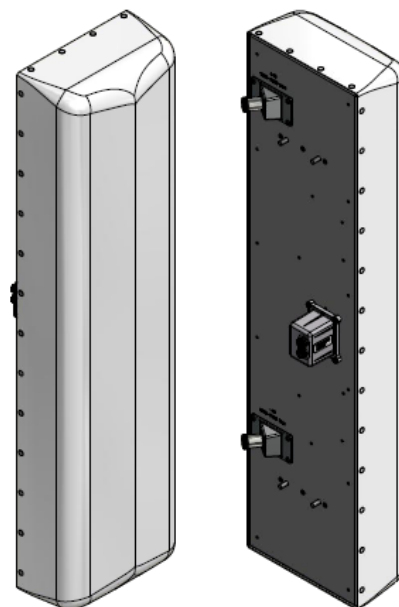


XAP-FRO-430-V

X-Polarization, 1695-2180MHz, 50.5", Fast Roll Off, 30° Azimuth

RET

- Macro Cell Antenna
- Fast Roll Off (FRO) Beams
- Suitable for LTE/CDMA/UMTS/GSM
- AISG v2.0 RET Control



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	1695-1880	1850-1990	1990-2180
Horizontal Beamwidth, 3dB points	32°	30°	28°
Gain, dBi	19.5	19.5	19.7
Vertical Beamwidth, 3dB points	7.7°	7.6°	7.2°
Front-to-Back at 180°, dB	> 28		
Upper Sidelobe Suppression, Typical, dB	<-18		
Polarization	+/-45°		
Electrical Downtilt (See Order Information)	0°-6° or 4°-10°		
VSWR/Return Loss, dB, Maximum	1.5:1/-14.0		
Isolation Between Ports, dB, Minimum	>28		
Intermodulation (2x20w), IM3, dBc, Maximum	-150		
Impedance, ohms	50		
Maximum Power Per Connector, CW (w)	250		

MECHANICAL SPECIFICATIONS

Dimensions, Length/Width/Depth	50.5/12.5/7.1 in (1219/318/180 mm)
Connector (Quantity) Type	(2) 7-16 DIN Female
Connector Torque	220 - 265 lbf-in (30 N-m)
Connector Location	Back
Antenna Weight	23.0 lb. (10.4 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	127.1 lbf (565.3 N) @100mph
Equivalent Flat Plate	2.53 sq-ft (c=2) @ 100mph

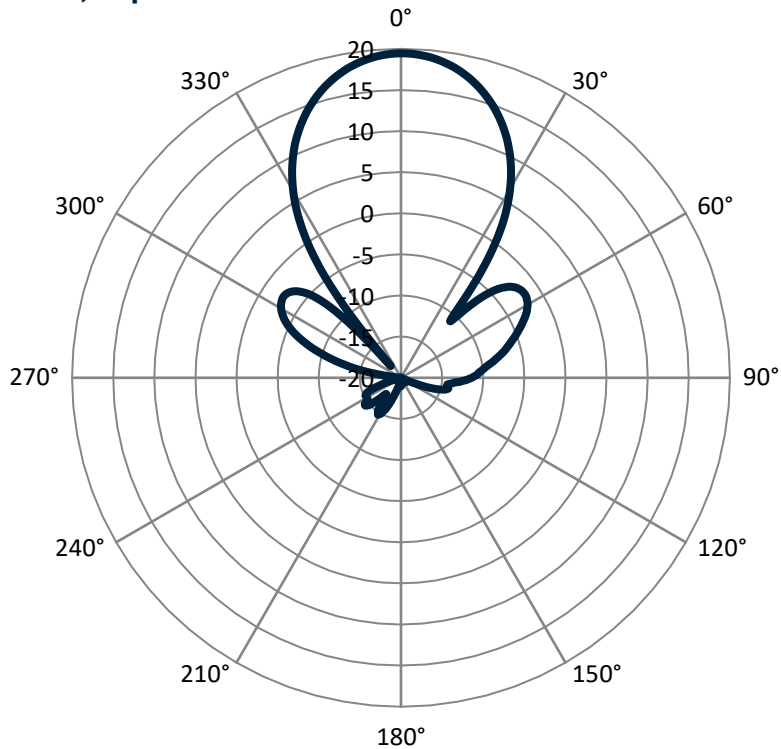
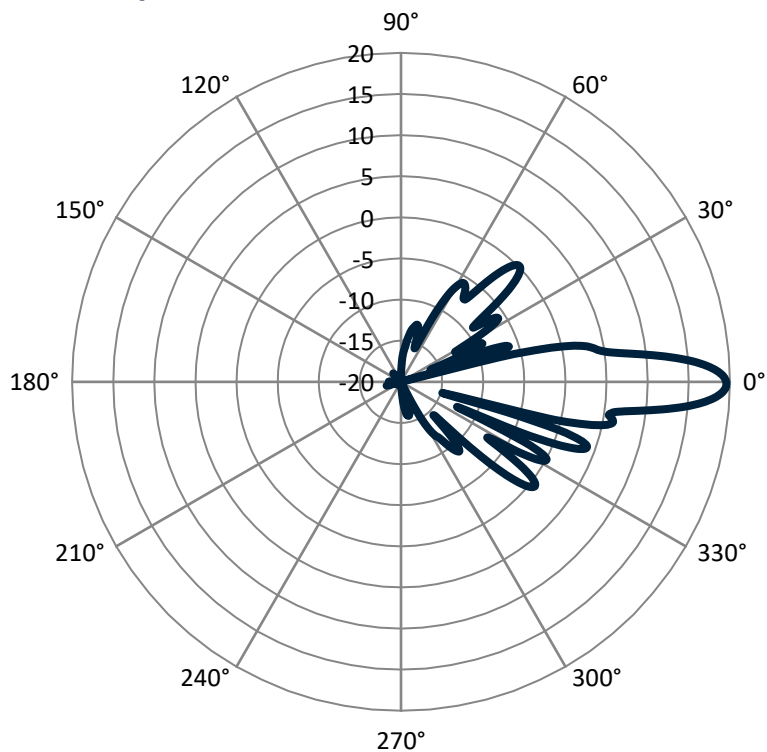
RET INFORMATION

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



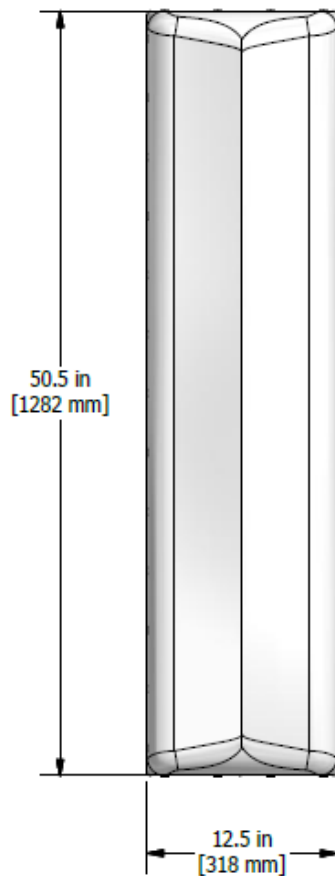
ORDER INFORMATION

MODEL	DESCRIPTION
XAP-FRO-430-VR0	X-Pol antenna with motor for remote electrical tilt (RET) range of 0-6°
XAP-FRO-430-VR4	X-Pol antenna with motor for remote electrical tilt (RET) range of 4-10°
919036	Optional Bracket Kit, 2-Point, 12deg D-tilt, For 4.5" OD Pole

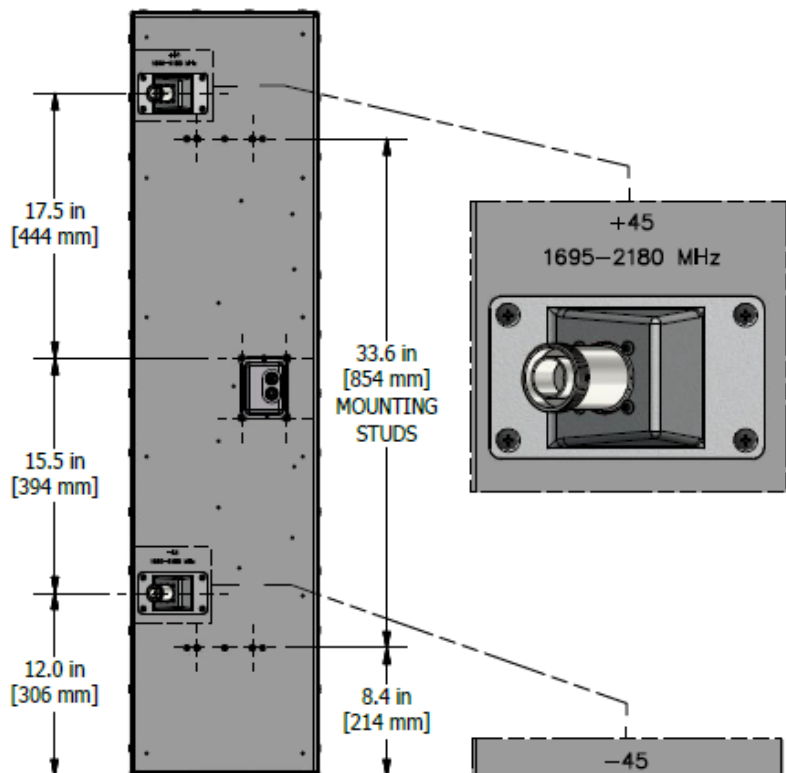
Pattern Plot: 1910MHz, H-plane**Pattern Plot: 1910MHz, E-plane**

Mechanical Outline Drawing: RET Version

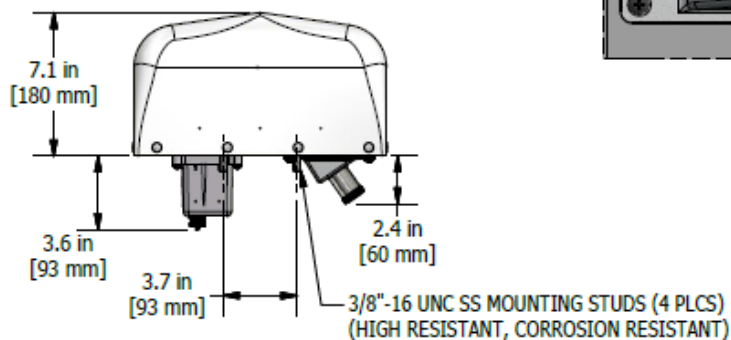
FRONT VIEW



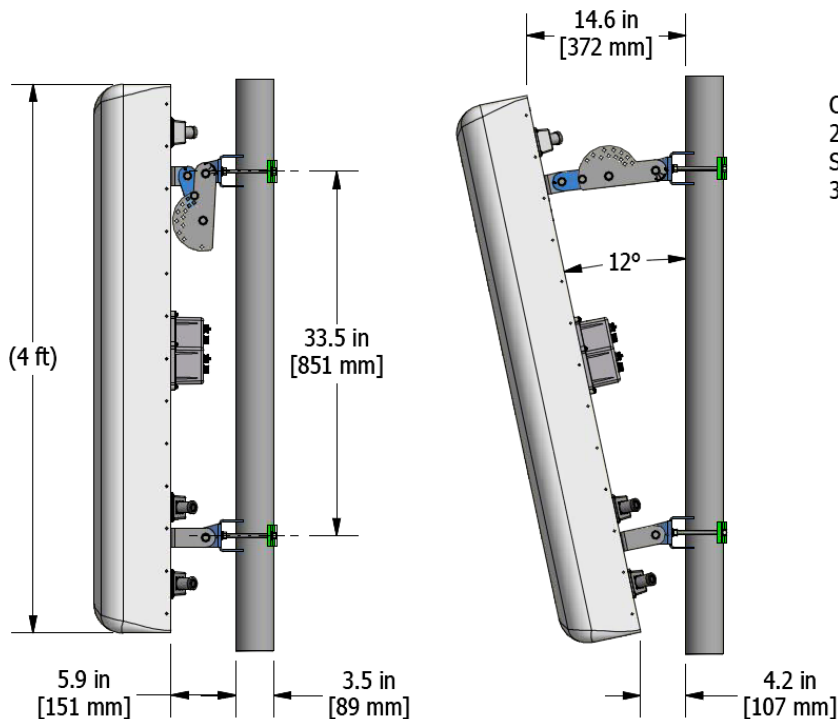
BACK VIEW



BOTTOM VIEW

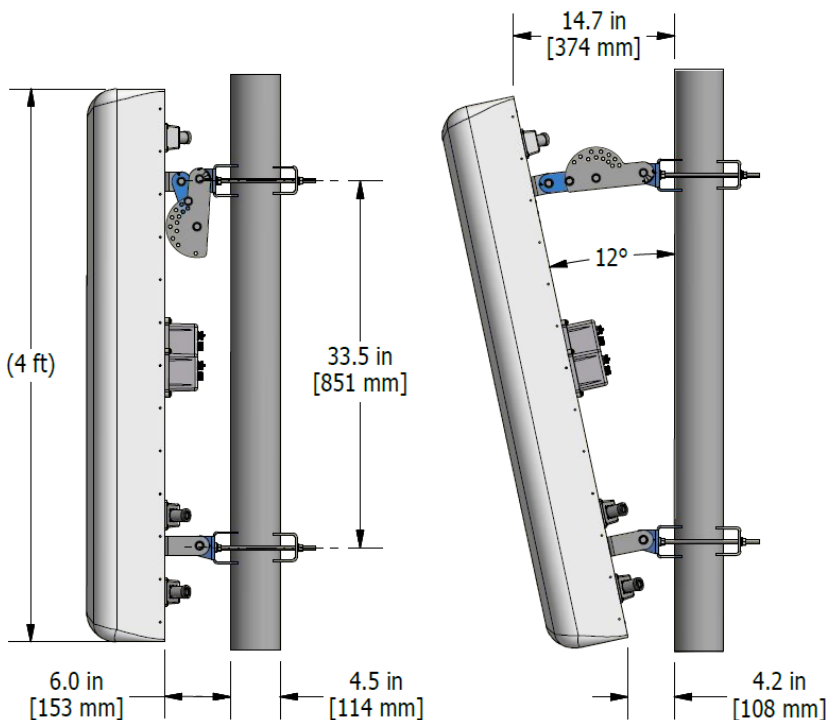


Standard Bracket Kit



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