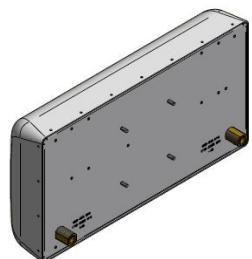
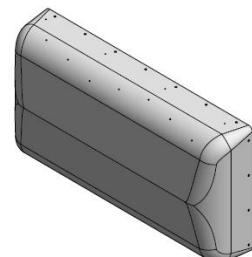


XEW-FRO-130

X-Pol Antenna, 698-945/1710-2360MHz, 12.5" , 30° H-Beams

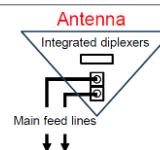


- Fast Roll Off (FRO) Antenna
- Includes flexible stadium bracket
- Suitable for WCS/LTE/CDMA/UMTS/GSM
- Includes Integrated Diplexers

Available with Integrated Diplexers

Reduces mainline cables

Eliminates external tower devices



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-824	824-945	1710-1880	1800-1990	1920-2170	2190-2360
Horizontal Beamwidth, 3dB points	37°	33°	37°	32°	30°	28°
Gain, dBi	10.1	10.8	10.6	11.3	11.7	11.0
Vertical Beamwidth, 3dB points	68°	66°	68°	64°	61°	58°
Front-to-Back at 180°, dB	> 25				> 30	
Polarization	+/−45°				+/−45°	
Electrical Downtilt	0°				0°	
VSWR/Return Loss, dB, Maximum	1.7:1/11.8				1.7:1/11.8	
Isolation Between Ports, dB, Minimum	28				28	
Intermodulation (2x20w), IM3, dBc, Maximum	-150				-150	
Impedance, ohms	50				50	
Maximum Power Per Connector, CW (w)	100				100	

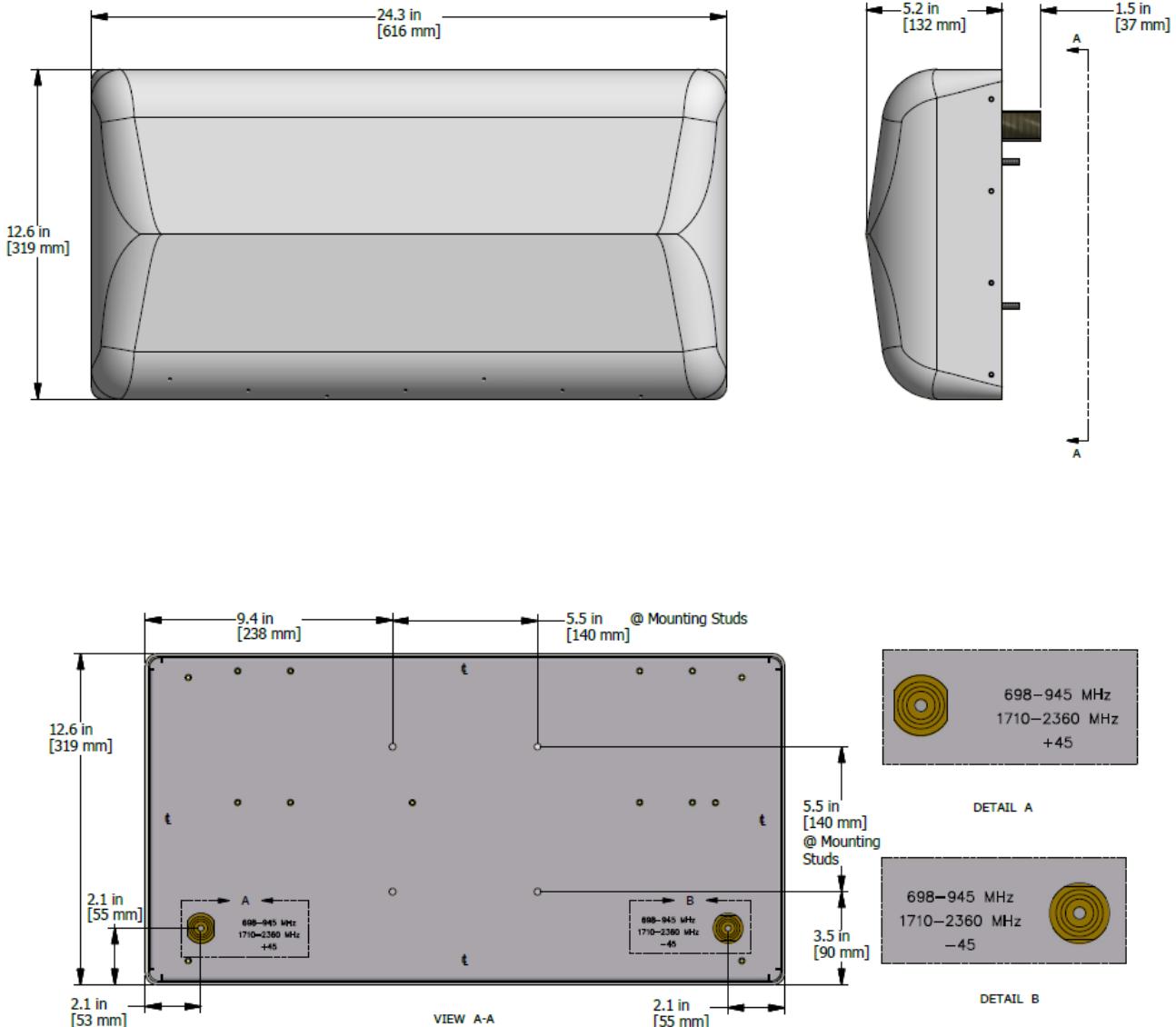
MECHANICAL SPECIFICATIONS

Dimensions, Length/Width/Depth	12.6/24.3/5.2 in (317.5/617.2/142.2 mm)
Connector (Quantity) Type	(2) 7-16 DIN Female
Connector Torque	220-265 lbf-in (23-30 N-m)
Connector Location	Back
Antenna Weight	13.0 lb (5.2 kg)
Bracket Weight	5.0 lb (2.3 kg)
Standard Bracket Kit	P/N 919050 (Included)
Mechanical Downtilt Range	+/- 35° Lateral & +/- 55° Vertical
Radome Material	High Strength Luran, UV Stabilized, ASTM D1925
Wind Survival	120 mph (193 km/h)
Front Wind Load	52.3 lbf (232.6 N) @100mph
Equivalent Flat Plate	1.0 sq-ft (c=2) @ 100mph

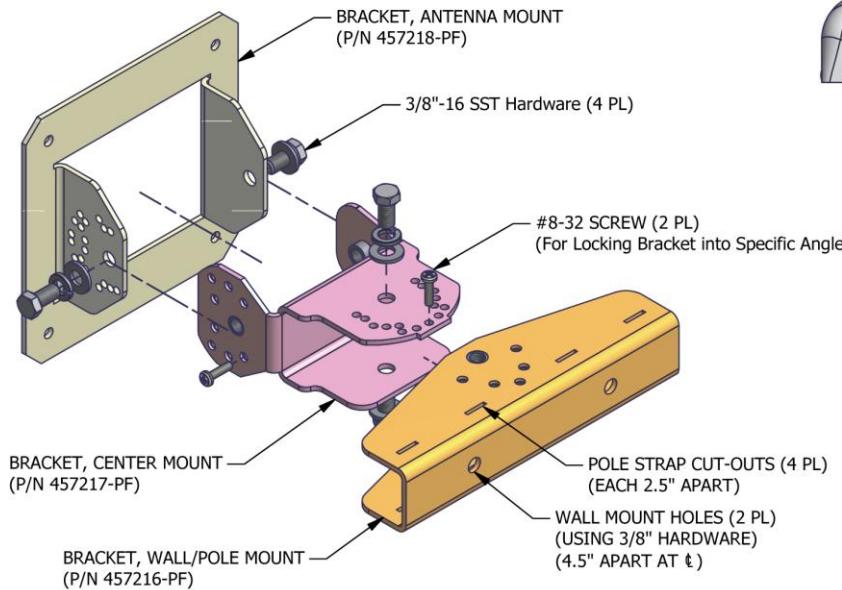
ORDER INFORMATION

MODEL	DESCRIPTION
XEW-FRO-130-IP	X-Pol dual band, 0° electrical downtilt with two DIN connectors and integrated diplexers.

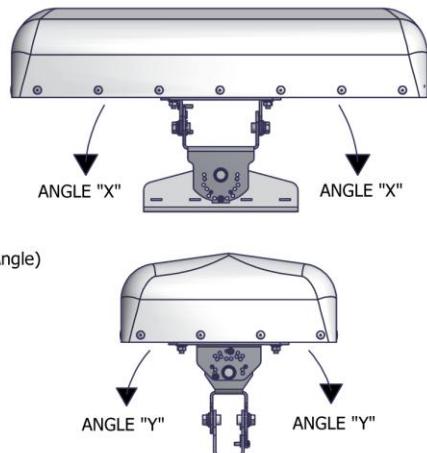
Mechanical Outline Drawing



Mechanical Outline Drawing

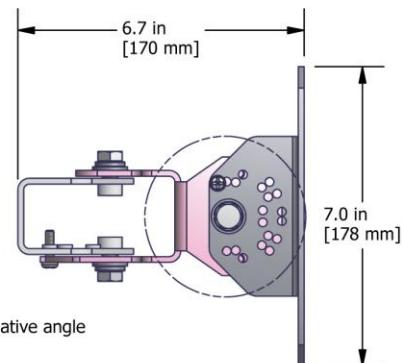
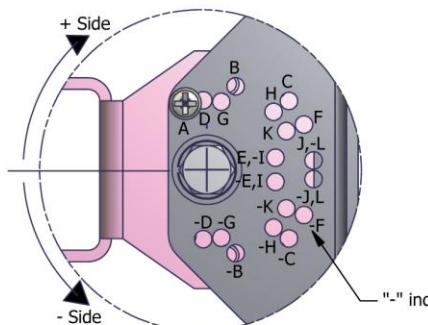


Stadium Bracket 919050

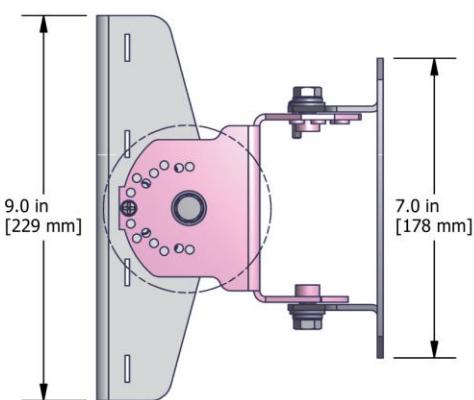
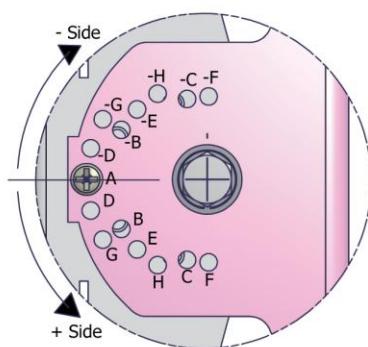


	Maximum Angle (in degree)			
	Pole Mount		Wall Mount	
Antenna Size	X	Y	X	Y
1'L x 1'W	35	55	35	55
1'L x 2'W	25	55	25	55
1'L x 3'W	20	55	20	55
2'L x 2'W	25	25	25	25

Mech. Downtilt Table	
Legend	Mech. Downtilt
A	0°
B	5°
C	10°
D	15°
E	20°
F	25°
G	30°
H	35°
I	40°
J	45°
K	50°
L	55°



Mech. Downtilt Table	
Legend	Azimuth Rotation
A	0°
B	5°
C	10°
D	15°
E	20°
F	25°
G	30°
H	35°



Note: If the bracket is used in applications that provide additional tilt to the antenna (e.g. slanted poles, upside down hanging, etc.), different weep holes may be required. Please consult our weep hole guide at jmawireless.com/support.