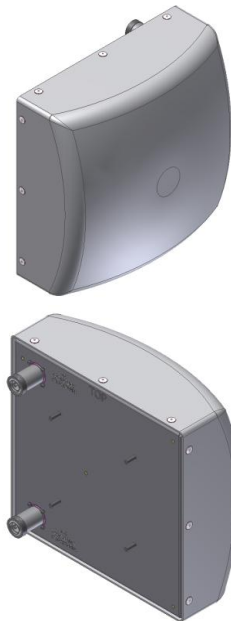


XEA-165

X-Pol Antenna, 698-945 MHz, 1710-2170MHz, 12", 65° Azimuth

- Most widely used stadium antenna
- Large box indoor coverage
- Includes flexible stadium bracket
- Broadband radiators
- Suitable for LTE/CDMA/UMTS/GSM



Available with Integrated Diplexers

Reduces RF Cables

Eliminates external devices

ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-824	824-945	1710-1880	1850-1910	1920-2170
Horizontal Beamwidth, 3dB points	66°	66°	63°	60°	60°
Gain, dBi	8.0	8.6	11.4	11.7	11.9
Vertical Beamwidth, 3dB points	73°	65°	30°	28°	25°
Front-to-Back at 180°, dB	16	16	25	25	25
Front-to-Back at 180° +/-20°, dB	16	16	24	24	24
Polarization	+/-45°		+/-45°		
Electrical Downtilt	0°		0°		
VSWR/Return Loss, dB, Maximum	1.7:1/-11.7		1.7:1/-11.7		
Isolation Between Ports, dB, Minimum	-25		-25		
Intermodulation (2x20w), IM3, dBc, Maximum	-150		-150		
Impedance, ohms	50		50		
Maximum Power Per Connector, CW	250 @ 800MHz		125 @ 1990MHz		
Lightning Protection	DC Ground		DC Ground		

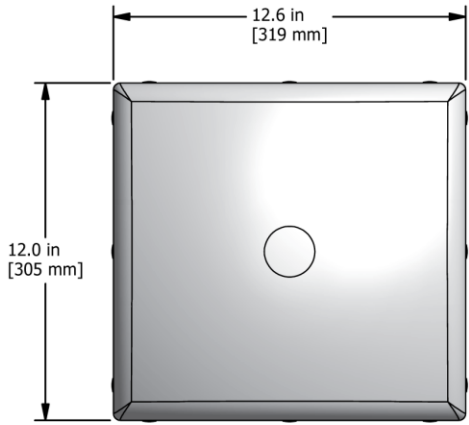
MECHANICAL SPECIFICATIONS

Dimensions, Length/Width/Depth	12.0/12.6/5.6 in (304.8/320.0/142.2 mm)
Connector (Quantity) Type	(2 or 4) 7-16 DIN Female or Type N
Connector Torque	220-265 lbf-in (23-30 N-m)
Connector Location	Back
Antenna Weight	5.4 lb (2.5 kg)
Bracket Weight	5.0 lb (2.3 kg)
Standard Bracket Kit	CSS P/N 919050
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	25.3 lbf (112.5 N) @100mph
Equivalent Flat Plate	0.5 sq-ft (c=2) @ 100mph

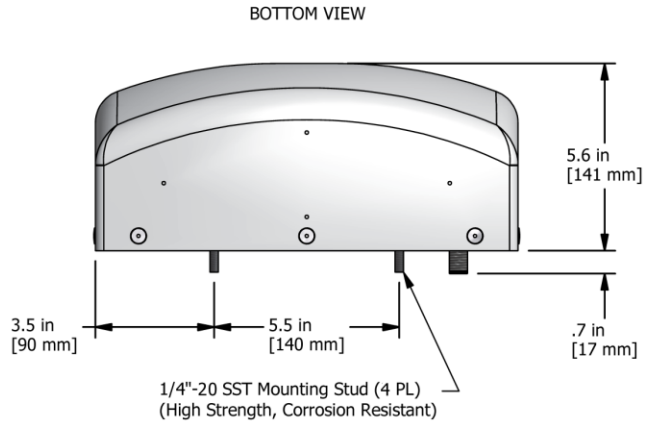
ORDER INFORMATION

MODEL	DESCRIPTION
XEA-165-00	X-Pol dual band, 0° electrical downtilt with four DIN connectors
XEA-165-00-I	X-Pol dual band, 0° electrical downtilt with two DIN connectors and integrated diplexers.
XEA-165-00-N	X-Pol dual band, 0° electrical downtilt with four N connectors.
XEA-165-00-I-N	X-Pol dual band, 0° electrical downtilt with two N connectors and integrated diplexers

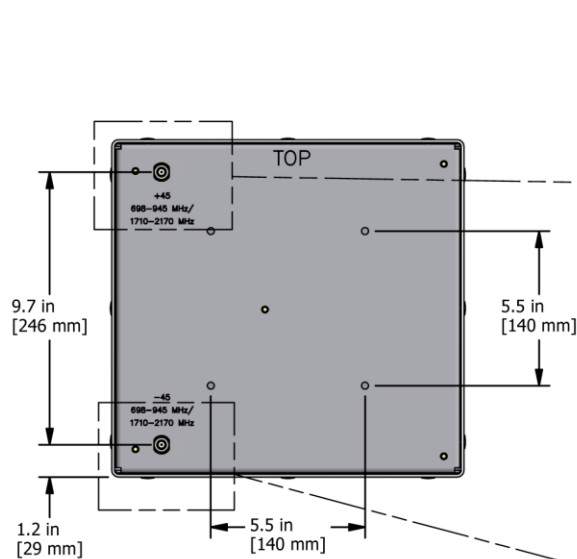
Mechanical Outline Drawing



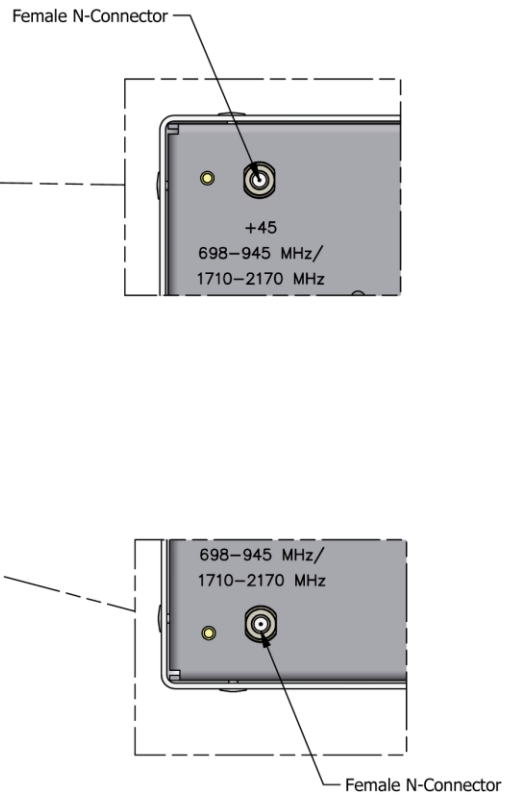
FRONT VIEW



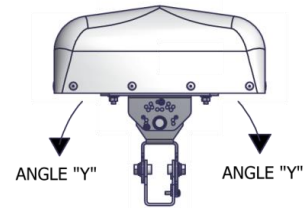
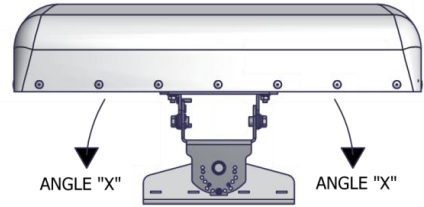
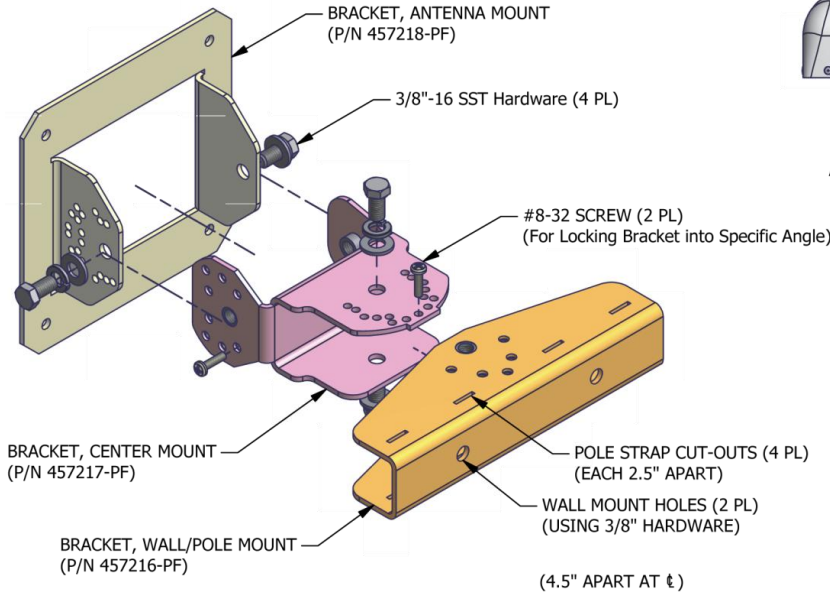
1/4"-20 SST Mounting Stud (4 PL)
(High Strength, Corrosion Resistant)



BACK VIEW

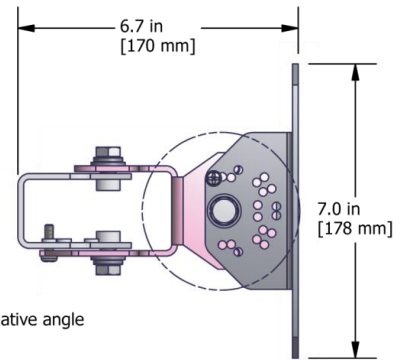
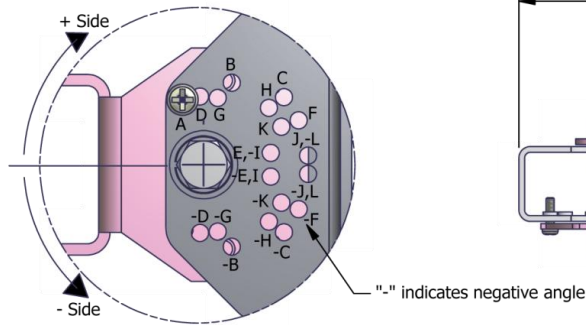


Standard Bracket Kit



Legend	Maximum Angle			
	Pole Mount		Wall Mount	
1' Wide	35°	55°	35°	55°
2' Wide	25°	55°	25°	55°
3' Wide	20°	55°	20°	55°

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°

