



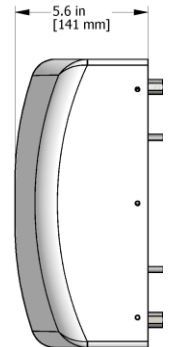
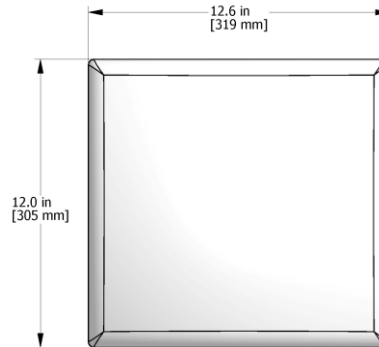
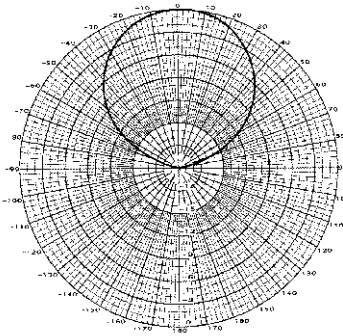
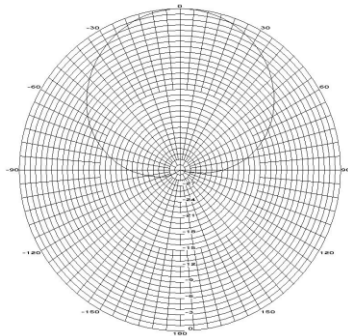
XEA-165

Dual Band Xpol, 65° H-Beams

698-945 MHz
1710-2170 MHz

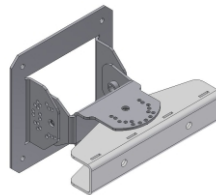
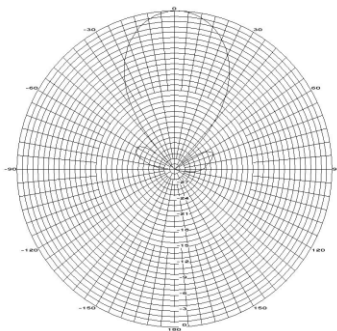
	698-824 MHz	824-945 MHz	1710-1880 MHz	1850-1910 MHz	1900-2170 MHz
Frequency					
Polarization	+/- 45°	+/- 45°	+/- 45°	+/- 45°	+/- 45°
Gain	8.5 dBi	9.1 dBi	11.6 dBi	11.8 dBi	11.9 dBi
Horizontal Beam (3dB pts)	66°	63°	65°	65°	60°
Vertical Beam (3dB pts)	68°	65°	30°	28°	25°
Front-to-Back (Copolar)	27 dB	27 dB	30°	30°	30°
Sidelobe Suppression for 1st lobe above main beam	N/A	N/A	12.0 dB	12.0 dB	11.0 dB
Electrical Downtilt	0°		0°		
VSWR / Return Loss	1.70:1 / 11.7 dB		1.70:1 / 11.7 dB		
Impedance	50 Ohms		50 Ohms		
Max. Power Per Connector	250 CW at 800 MHz		125 CW at 1900 MHz		
Isolation between ports	<-25 dB				
Intermodulation (2x20W)	<-150 dBc				

Input Connector (female)	2 or 4 DIN or Type N, Back	Wind Survival	120 mph
Dimensions (LxWxD)	12.0 x 12.6 x 5.6 in. (305 x 319 x 141 mm)	Front Wind Load @100mph	25.3 lbf
*Antenna Weight	5.6 lbs	Equivalent Flat Plate @100mph	0.5 sq-ft. (c=2)
Bracket Weight	5.0 lbs	Mounting Brackets	Wall or Pole "Stadium", 919050
		Mechanical Downtilt Range	+/- 35° Lateral & +/- 55° Vertical
		Clamps/Bolts	Stainless Steel/Stainless Steel



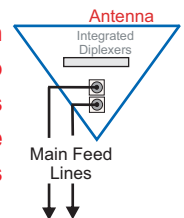
[Link to Mechanical Drawing](#)

Recommended Connector Coupling Torque
7/16 DIN: 220-265 lbf-in (25-30 N-m)
Type N: 12-15 lbf-in (1.4-1.7 N-m)



"Stadium Bracket"
Azimuth & Mechanical
Tilt Adjustment

Available with
Integrated Diplexers to
reduce mainline cables
and eliminate separate
external devices



Ordering Information & Options

XEA-165-00	X-Pol dual band, 0 deg EDT both bands with four DIN connectors.
XEA-165-00-ip	X-Pol dual band, 0 deg EDT both bands with two DIN connectors and integrated diplexers.
XEA-165-00-N	X-Pol dual band, 0 deg EDT both bands with four N connectors.
XEA-165-00-ipN	X-Pol dual band, 0 deg EDT both bands with two N connectors and integrated diplexers.

*Antenna Weight may vary slightly with options.