

## **AXP19-45**

X-Pol Antenna, 1710-2170 MHz, (48.0", 45° H-Beam)

- Macro Cell High Gain Antenna
- Broadband Radiators
- Highly Reliable Fixed Tilt Design
- Suitable for LTE/CDMA/UMTS/GSM
- Mechanical Tilt Bracket Included



Frequency Band, MHz	1710-1880	1850-1990	1920-2170
Horizontal Beam Width, 3dB points		45°	
Gain, dBi	18.4	18.7	19.0
Vertical Beam Width, 3dB points	7°		
Front-to-Back at 180°, dB	>30		
Upper Side Lobe Suppression, Typical, dB	<-18		
Polarization	+/-45°		
Electrical Down Tilt, Fixed	0, 2, 4, 6°		
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	250 @ 1900 MHz		



MECHANICAL SPECIFICAT	IONS	
Dimensions, Length/Width/Depth	48.0/10.2/4.7in. (1219/259/119mm)	
Connector (Quantity)	(2) 7-16 DIN Female	
Connector Torque	220-265 lbf-in (23-30 N-m)	
Connector Location	Back	
Antenna Weight	10.0 lbs (4.5kg) Note: Weight varies slightly based on ordering options	
Bracket Weight	13.2 lb. (6.0 kg)	
Standard Bracket Kit	CSS P/N 919011 (Included)	
Mechanical Down Tilt Range	0-12°	
Radome Material	High Strength Luran, UV Stabilized, ASTM D1925	
Wind Survival	150 mph (241 km/h)	
Front Wind Load	98.6 lbf (438.5N) @100mph	
Equivalent Flat Plate	1.96sq-ft (c=2) @ 100mph	

ORDER INFORMATION		
MODEL	DESCRIPTION	
AXP19-45- <b>x</b>	X-Pol antenna with two back DIN connectors	
919036	Optional Bracket Kit, 2-Point, 12deg D-tilt, For 4.5" OD Pole	

x defines the electrical tilt