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

ELECTRICAL SPECIFICATIONS

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	

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MECHANICAL SPECIFICATIONS

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-*x*	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**

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