

AXP20-45

X-Pol Antenna, 1710-2170 MHz, (69.1", 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	20.2	20.5	20.9
Vertical Beam Width, 3dB points		5°	
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	1.4:1-15.6		
Isolation Between Ports, dB, Minimum	28		
Intermodulation (2x20w), IM3, dBc, Maximum	-150		
Impedance, ohms	50		
Maximum Power Per Connector, CW	250 @ 1900 MHz		

MECHANICAL SPECIFICATIONS

Dimensions, Length/Width/Depth	69.1/10.2/4.7in. (1755/259/119mm)
Connector (Quantity)	(2) 7-16 DIN Female
Connector Torque	220-265 lbf-in (23-30 N-m)
Connector Location	Back
Antenna Weight	13.0 lbs (5.9 kg) <i>Note: Weight varies slightly based on ordering options</i>
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	141.9 lbf (631.2N) @100mph
Equivalent Flat Plate	2.83sq-ft (c=2) @ 100mph

ORDER INFORMATION

MODEL	DESCRIPTION
AXP20-45- 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