

SACP 4x3016

1710 -2170 MHz quad (4x) CP log-periodic antenna

Features

- ❑ Transmit Diversity Gain
- ❑ Can be configured to combine space & polarization diversity
- ❑ Outstanding performance over the entire band (1710 - 2170 MHz)
- ❑ Excellent Axial Ratio
- ❑ Optimized for 4G & 3G systems
- ❑ Low intermodulation
- ❑ Improved Side-to-side rejection
- ❑ Fading reduction
- ❑ Excellent isolation between ports



Electrical specifications

Frequency range:	1710-2170 MHz
Impedance:	50 ohm
Connector type:	7/16 Din
Return loss:	18 dB
Polarization:	Circular
Gain ea. port [Circular]:	4x16 dBdC
Gain ea. port [Linear]:	4x13 dBdL
Axial Ratio:	2 dB
Isolation between ports (TX band):	28 dB
Front-to-back ratio:	30 dB
Intermodulation (2x20W):	IM3 150 dB IM5 160 dB IM7/9 170 dB
Power rating:	4x 300 W
H-plane (-3 dB point):	4x 30°
V-plane (-3 dB point):	4x 12°
Lightning protection:	DC grounded

Mechanical specifications

Overall height:	58 in	[1473 mm]
Width:	17.25 in	[438mm]
Depth:	7.75 in	[197 mm]
Weight (excluding brackets):	35.6 lbs	[18 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (front of antenna):	6.9 sq. ft.	[0.65 sq.m]
Lateral thrust at 113 mph/ 180 Km/h (worst case):	355 lbs	[1578 N]

Materials

Radiating Elements:	Silver plated brass
Transformer (Power distribution)	Ceramic PCB
Chassis:	Aluminum
Radome:	Grey PVC/TPO
Mounting bolts:	Stainless steel

The SACP 4x3016 is made in the U.S.A.