

SWCP 2x5510

698 - 896 MHz Dual (2x) CP log-periodic antenna

Features

- ❑ Transmit Diversity Gain
- ❑ Can be configured to combine space & polarization diversity
- ❑ Outstanding performance over the entire band (698 - 896 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:	698-896 MHz
Impedance:	50 ohm
Connector type:	7/16 Din
Return loss:	18 dB
Polarization:	Circular
Gain ea. port [Circular]:	2x10 dBdC
Gain ea. port [Linear]:	2x7 dBdL
Axial Ratio:	2 dB
Isolation between ports (TX band):	30 dB
Front-to-back ratio:	30 dB
Intermodulation (2x20W):	IM3 150 dB IM5 160 dB IM7/9 170 dB
Power rating:	2x 250 W
H-plane (-3 dB point):	2x 55°
V-plane (-3 dB point):	2x 35°
Lightning protection:	DC grounded

Mechanical specifications

Overall height:	17.5 in	[445 mm]
Width:	13.9 in	[353 mm]
Depth:	11.3 in	[287 mm]
Weight (excluding brackets):	10 lbs	[4.5 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (front of antenna):	1.69 sq. ft.	[0.16 sq.m]
Lateral thrust at 113 mph/ 180 Km/h (worst case):	86 lbs	[384 N]

Materials

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

The SWCP 2x5510 is made in the U.S.A.