

SWACP 8x5510

Dual band 6port CP log-periodic antenna

Features

- ❑ Transmit Diversity Gain
- ❑ Excellent Axial Ratio
- ❑ Optimized for 4G & 3G systems
- ❑ Low intermodulation
- ❑ Improved Side-to-side rejection
- ❑ Fading reduction
- ❑ Can be configured to combine space & polarization diversity
- ❑ Excellent isolation between ports
- ❑ Outstanding performance in both bands (698-896 & 1710-2250 MHz)



Electrical specifications

Frequency range:	4x698-896 / 4x1710-2250 MHz	
Impedance:	50 ohm	
Connector type:	7/16 Din or 4.3-10	
Return loss:	18 dB	
Polarization:	Circular	
Isolation between ports (TX):	28 dB	
Gain:	10 dBi	12 dBi
Front-to-back ratio:	> 30 dB	> 30 dB
Power rating:	4x250 W	4x150 W
H-plane (-3 dB point):	4x65°	4x55°
V-plane (-3 dB point):	4x55°	4x35°
Axial Ratio:	2 dB	2 dB
Intermodulation (2x20W):	IM3 153 dB	
	IM5 160 dB	
	IM7/9 170 dB	
Lightning protection:	DC grounded	

Mechanical specifications

Overall height:	26.5 in	[673 mm]
Width:	13.9 in	[353 mm]
Depth:	11.3 in	[287 mm]
Weight (excluding brackets):	12 lbs	[5.4 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (side of antenna):	2.58 sq. ft.	[0.24 sq.m]
Lateral thrust At 113 mph/ 180Km/h (worst case):	132 lbs	

Materials

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

The SWACP 8x5510 is made in the U.S.A.