

SWACP 8x5510

Dual band 8 port 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**

	<u>4x698 - 896 MHz</u>	<u>4x1710-2250 MHz</u>
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.