

# SWANCP 6x5510

3x 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 all bands (698-896,1710-2250,5100-5900 MHz)



## Electrical specifications

Frequency range:	<b>2x698 - 896 / 2x1710 - 2250</b> <b>2x5100 - 5900 MHz</b>		
Impedance:	<b>50 ohm</b>		
Connector type:	<b>7/16 Din or 4.3-10</b>		
Return loss:	<b>18 dB</b>		
Polarization:	<b>Circular</b>		
Isolation between ports (TX):	<b>28 dB</b>		
Gain:	<b>698 - 896</b>	<b>1710 - 2250</b>	<b>5100-5900</b>
	<b>12 dBi</b>	<b>12 dBi</b>	<b>12 dBi</b>
Front-to-back ratio:	<b>&gt; 30 dB</b>	<b>&gt; 30 dB</b>	<b>&gt; 30 dB</b>
Power rating:	<b>2x250 W</b>	<b>2x150 W</b>	<b>2x30 W</b>
H-plane (-3 dB point):	<b>2x55°</b>	<b>2x55°</b>	<b>2x55°</b>
V-plane (-3 dB point):	<b>2x35°</b>	<b>2x35°</b>	<b>2x17°</b>
Axial Ratio:	<b>2 dB</b>	<b>2 dB</b>	<b>2 dB</b>
Intermodulation (2x20W):	<b>IM3</b>	<b>153 dB</b>	
	<b>IM5</b>	<b>160 dB</b>	
	<b>IM7/9</b>	<b>170 dB</b>	
Lightning protection:	<b>DC grounded</b>		

## Mechanical specifications

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

## Materials

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

*The SWANCP 6x5510 is made in the U.S.A.*