

SWACP 6x5514

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 & 1710-2170 MHz)**

Electrical specifications

Frequency range:	2x698-896 / 4x1710- 2170 MHz	
Impedance:	50 ohm	
Connector type:	7/16 Din (6 ea.)	
Return loss:	18 dB	
Polarization:	Circular	
Isolation between ports (TX):	28 dB	

	<u>2x698 - 896 MHz</u>	<u>4x1710-2170 MHz</u>
Gain:	14 dBdC	14 dBdC
Front-to-back ratio:	> 30 dB	> 30 dB
Power rating:	2x500 W	300 W
H-plane (-3 dB point):	2x55°	4x55°
V-plane (-3 dB point):	2x16°	4x15°
Axial Ratio:	2 dB	2 dB

Intermodulation (2x20W):	IM3	150 dB
	IM5	160 dB
	IM7/9	170 dB

Lightning protection: **DC grounded**

Mechanical specifications

Overall height:	80 in	[2032 mm]
Width:	20 in	[508 mm]
Depth:	12 in	[305 mm]
Weight (excluding brackets):	50 lbs	[22.5 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (side of antenna):	11.1 sq. ft.	[1.03 sq.m]
Lateral thrust At 113 mph/ 180Km/h (worst case):	567 lbs	[2524 N]

Materials

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

The SWACP 6x5514 is made in the U.S.A.