

SANCPC 24x5510

1710 -2250 & 5100-5900 MHz (24x)

CP log-periodic antenna

Features

- ❑ **Transmit Diversity Gain**
- ❑ **Dramatic reduction in sector to sector interference**
- ❑ **Outstanding performance in all bands (1710 - 2250 & 5100-5900 MHz)**
- ❑ **Excellent Axial Ratio**
- ❑ **Allows for 2 ea. independent 4 br./RX diversity paths for ea. freq./sector**
- ❑ **Low intermodulation**
- ❑ **Improved Side-to-side rejection**
- ❑ **Fading reduction**
- ❑ **Excellent isolation between ports**



Electrical specifications

Frequency range [mid band]:	1710-2250 MHz
Frequency range [high band]:	5100-5900 MHz
Impedance:	50 ohm
Connector type:	4.3-10
Return loss:	18 dB
Polarization:	Circular
Gain ea. port [mid band Circular]:	12x12 dBi
Gain ea. port [high band Circular]:	12x10 dBi
Axial Ratio:	2 dB
Isolation between ports (TX band):	28 dB
Front-to-back ratio:	30 dB
Intermodulation (2x20W):	IM3 153 dB
[IM. spec for mid band only]	IM5 160 dB
	IM7/9 170 dB
Power rating [mid band]:	12x 150 W
Power rating [high band]:	12x 20 W
H-plane (-3 dB point):	12x 55°
V-plane (-3 dB point):	12x 35°
Lightning protection:	DC grounded

Mechanical specifications

Overall height:	24 in	[610 mm]
Diameter:	14 in	[355 mm]
Weight (excluding brackets):	28 lbs	[12.6 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (front of antenna):	2.33 sq. ft.	[0.22 sq.m]
Lateral thrust at 113 mph/ 180 Km/h (worst case):	120 lbs	[530 N]

Materials

Radiating Elements:	Silver plated brass
Transformer (Power distribution)	Ceramic PCB
Chassis:	Aluminum
Radome:	PVC / TPO
Mounting:	

The SANCPC 24x5510 is made in the U.S.A.