

SACPCB 8x5510

1710 -2250 MHz (8x) CP back -to-back
log-periodic antenna

Features

- ❑ **Transmit Diversity Gain**
- ❑ **Directional Back - to - back antenna (4 ports ea. direction)**
- ❑ **Outstanding performance over the entire band (1710 - 2250 MHz)**
- ❑ **Excellent Axial Ratio**
- ❑ **Allows for 1 ea. independent 4 branch receive diversity paths for ea. sector**
- ❑ **Low intermodulation**
- ❑ **Improved Side-to-side rejection**
- ❑ **Fading reduction**
- ❑ **Excellent isolation between ports**



Electrical specifications

Frequency range:	1710-2250 MHz
Impedance:	50 ohm
Connector type:	7/16 Din or 4.3-10
Return loss:	18 dB
Polarization:	Circular
Gain ea. port [Circular]:	8x12 dBi
Axial Ratio:	2 dB
Isolation between ports (TX band):	28 dB
Front-to-back ratio:	30 dB
Intermodulation (2x20W):	IM3 153 dB IM5 160 dB IM7/9 170 dB
Power rating:	8x 150 W
H-plane (-3 dB point):	8x 55°
V-plane (-3 dB point):	8x 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 SACPCB 8x5510 is made in the U.S.A.