

# SAHNCPC 14x36010

3x bands (1 sector 14 port omni) CP-LOG antenna

SAHNCPC 20x36010 **8 port 1710-2250 / 4 port 3450-4200 / 2 port 5100-5900** MHz

- Optimized for 4-port (TX/RX) radios [(PCS/AWS) also a strong option for 8-port (TX/RX) radios]
- (LAA) Optimized for 2-port (TX/RX) radios
- Built in MRC combiners
- Excellent Axial Ratio
- Forward link fading mitigation
- Outstanding indoor penetration

Electrical specifications			
Frequency (MHz):	1710-2250	3450-4200	5100-5900
Polarization:	Circular	Circular	Circular
No of Ports:	8	4	2
Connector type:	4.3-10	4.3-10	4.3-10
Gain (dBi):	12	12	6
H-plane:	360°	360°	360°
V-plane:	35°	35°	25°
V-plane reduction above 30°:			>15 dB
Power rating (W):	150	50	4
Axial ratio (dB):	2	4	4
Impedance (Ω):	50	50	50
Return loss (dB):	20	17	17
FTB (dB):	30	30	30
Band to band	30	30	30
Port to port [in-band TX]	28	25	25
Port to port [pair/network]	30	30	30
IM3 (dBc):	153		
IM5 (dBc):	160		
IM7/9 (dBc):	170		
Lightning protection:	DC Ground		
Operating temperature:	-40° to +140° F [-40° to +60° C]		
Mechanical specifications			
Overall height:	24 in	610 mm	
Diameter:	14 in	355 mm	
Volume:	2.15 cu ft.	0.06 m3	
Weight (exluding 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:	Ceramic PCB & silverplated brass		
Transformer :	Ceramic PCB		
Tray:	Aluminum		
Radome:	PVC / TPO		
Antenna bolts:	Stainless Steel		
<i>The SAHNCPC 14x36010 is made in the U.S.A.</i>			

