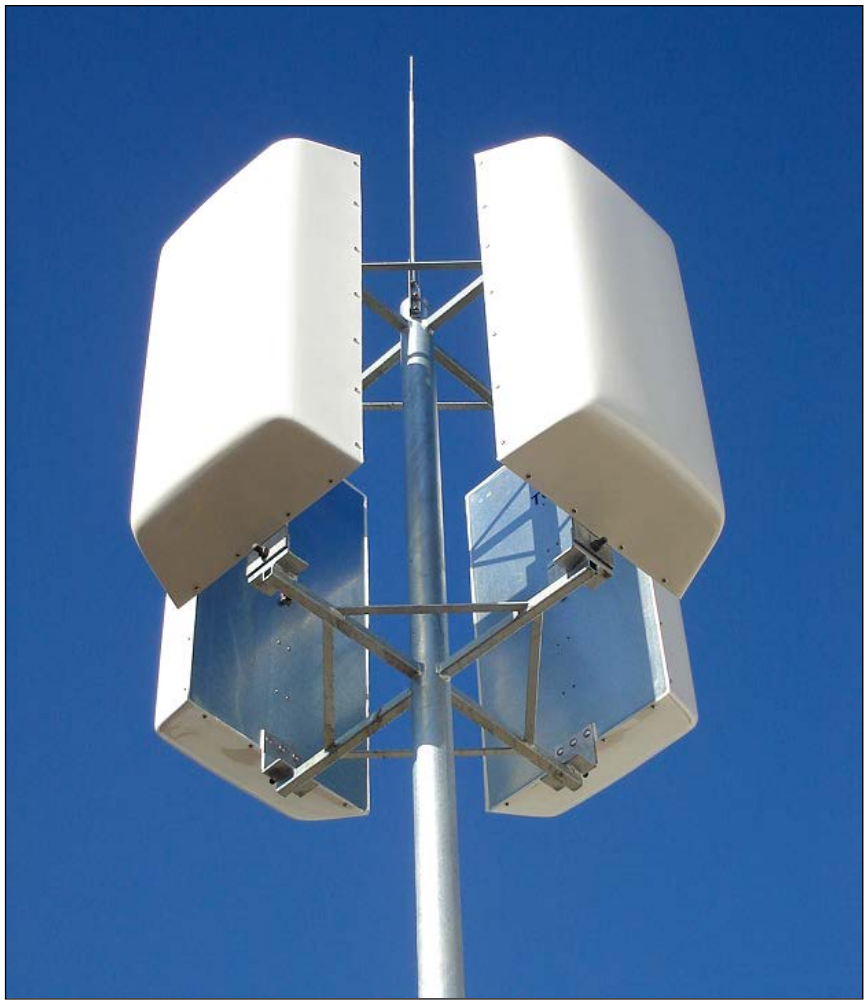
Model "SVP700-360"



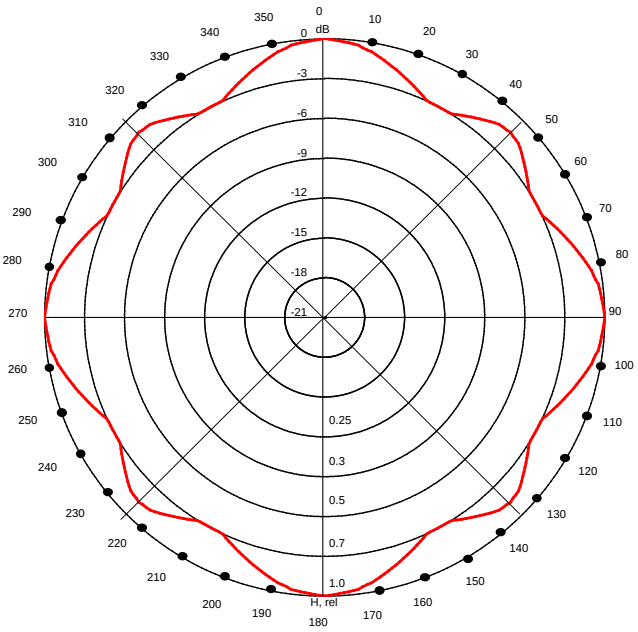
Broadband panel array covering the 698-806 MHz spectrum. The panels are arranged in an array of 4 individuals in each bay mounted every 90 degrees. This produces an omni pattern, while maintaining very low VSWR across the entire band. The array can be top mounted or side mounted to an existing tower without affecting pattern linearity, depending on the width of the tower face.

Additional bays can be stacked vertically to achieve desired gain.

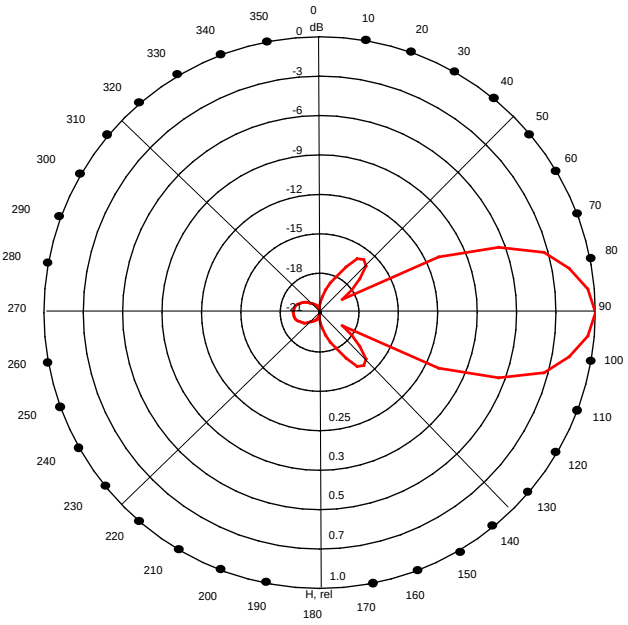
698-806 MHz

700 MHz

Electrical



V pol - Horizontal Radiation Pattern (4 around array)



V pol - Vertical Radiation Pattern (single bay)

Frequency Range:	698-806 MHz
Input connector:	N female or 7-16 female
VSWR:	< 1.20
Gain:	5.5 dBd single bay
Polarization:	Vertical
Impedance:	50 Ω
Max. input power:	500 w (N connector) or 2 kW (7-16 DIN connector)

Mechanical

Exterior material
- Reflector panel: Galvanized sheet metal
- Radome: UV stabilized ASA

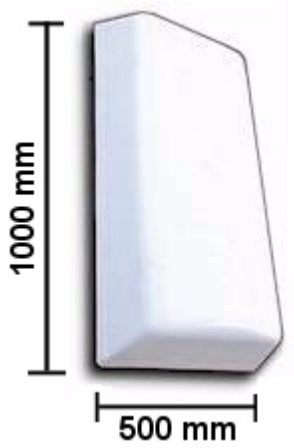
Interior material
- Radiators: Structural Aluminum
- Internal feed: Machined brass

Dimensions: 1000 mm X 500 mm rear panel grid

Grounding: Antenna and radiating elements are DC grounded for lightning protection

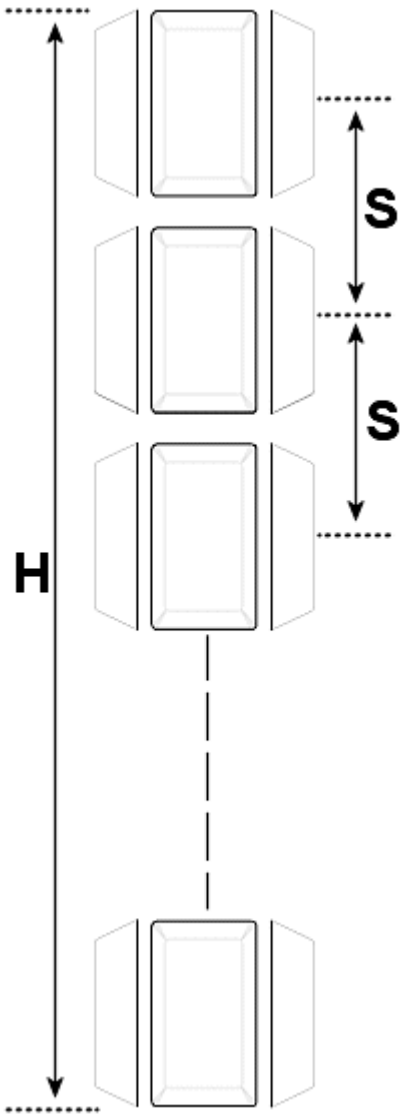
Mounting clamps: HDG clamps are available for coverage requirements

Icing protection: Radome protecting radiating elements and feed



# of Bays	Panels per Bay	Total # of Panels	Gain (dBd)	Gain (Pr)	Weight (Kg) w/o mounts	Overall Height (meters)	Windload kN @ 160 km/h
1	4	4	5.5	3.63	48	1.2	1.5
2	4	8	9.1	8.13	96	2.25	3.1
3	4	12	10.9	12.3	144	3.4	4.6
4	4	16	12.2	16.6	192	4.5	6.2
6	4	24	14.1	25.7	288	6.8	9.3
8	4	32	15.2	33.11	384	9	12.4

Antenna Height { H } in Meters Antenna Spacing { S } in mm		
No of Bays	H	S
1	1.2	-
2	2.25	1150
4	4.5	1150
6	6.8	1150
8	9.0	1150
12	14.0	1150



Weight in KG without mounting hardware			
No. of Bays	Panels / Bay	Total No. of Panels	Weight
1	4	4	48
2	4	8	96
4	4	16	192
6	4	24	288
8	4	32	384
12	4	48	576