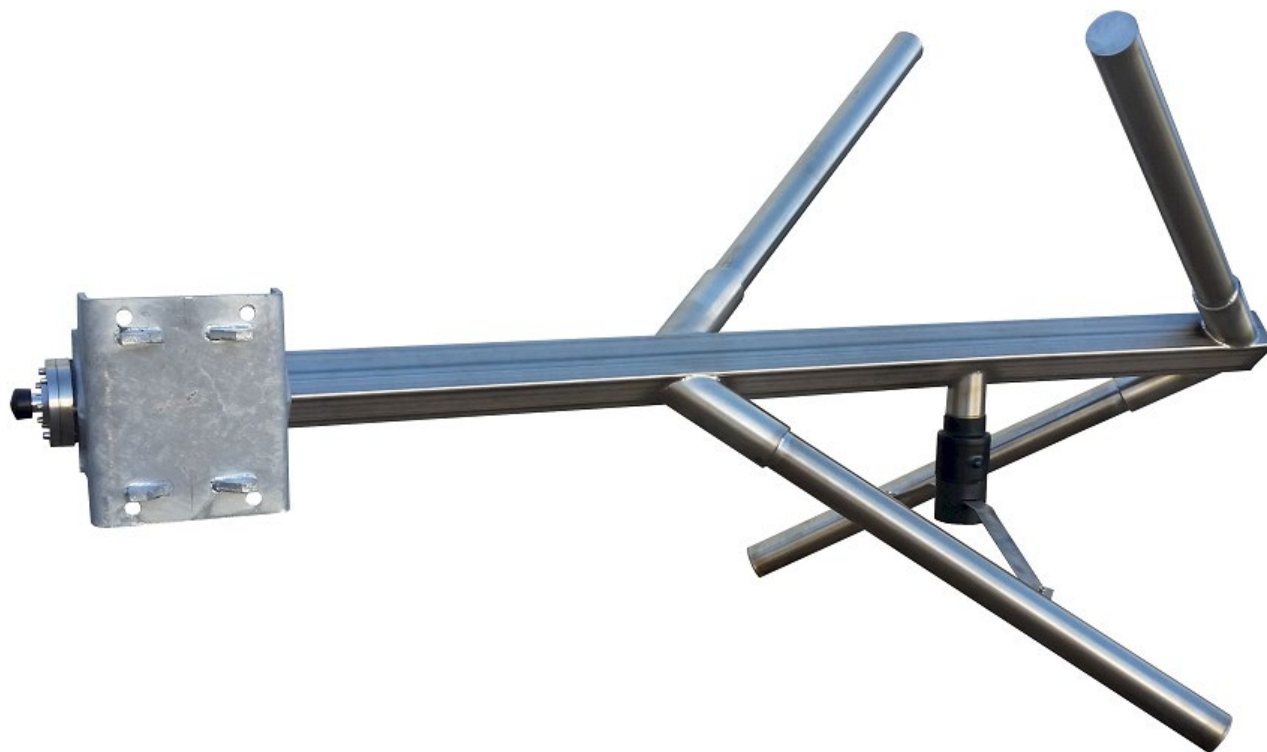
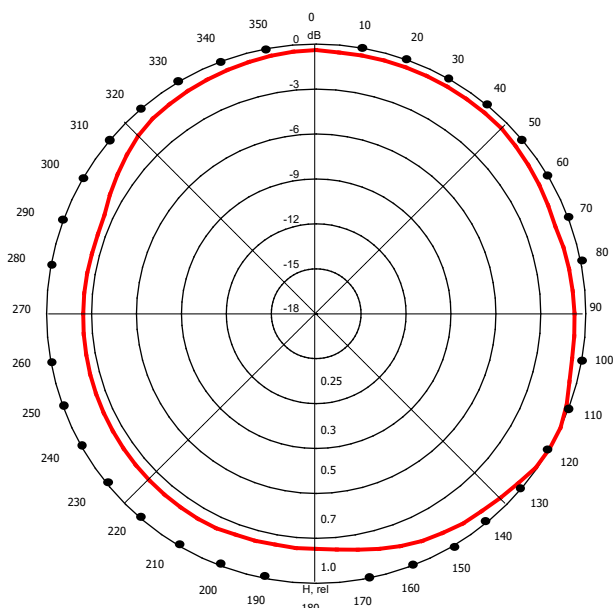


Model "PAFM-SDCPB-Q"

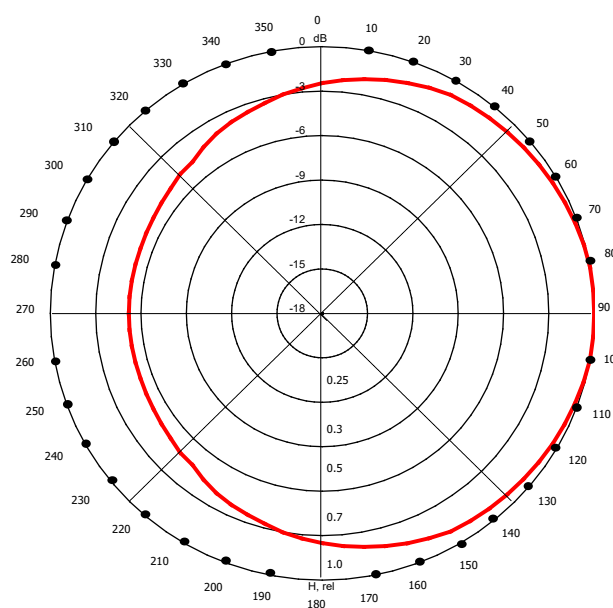


The "beast" in the PAFM-SDCPB family! A thick-wall, dipole reinforced, circularly polarized Band II FM antenna covering the 88-108 MHz spectrum. This model "Q" is ideal for high wind locations, heavy icing, and extreme weather while maintaining a full circularly polarized pattern and omnidirectional coverage. The antenna is composed of stainless steel and shipped with the elements welded in place and the antenna fully assembled. A high impact resistant and high isolating feed point radome gives this antenna robust performance in the most challenging of installation environments.

Electrical



Horizontal Pattern - Horizontal Polarization



Horizontal Pattern - Vertical Polarization

Frequency Range: 88-108 MHz

Input connector: 7-16 DIN or 7/8 flange

VSWR: <1.10 on frequency within 88-108 MHz

Gain: -3.3 dBd Average (single bay)

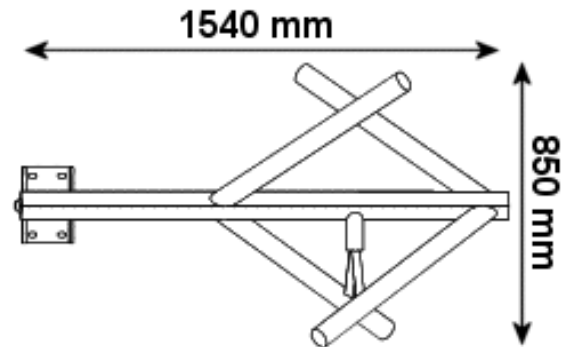
Polarization: Circular

Impedance: 50 Ω

Max. input power: 2 kW per antenna, higher input available

Mechanical

- Exterior material: Stainless steel
- Interior material: Machined brass and stainless steel
- Dimensions: 1540 mm X 850 mm
- Grounding: Antenna and radiating elements are DC grounded for lightning protection
- Mounting clamps: HDG clamps are included for attachment to customer supplied mast of any OD. Please specify when ordering
- Icing protection: Antenna design and internal feed ensure reliable operation under extreme icing.



# of Bays	AVE Gain (dBd)	AVE Gain (Pr)	Weight LBS / KG	Overall Height (Meters)	Projected Area FT ² / M ² (lateral)	Windload kN @ 160 km/h
1	-3.30	0.47	70 / 31.8	2.0	4.5 / 0.42	0.63
2	-0.10	0.98	140 / 63.5	4.4	9.0 / 0.84	1.26
3	1.67	1.47	210 / 95.3	6.8	13.5 / 1.26	1.89
4	2.97	1.98	280 / 127	9.2	18 / 1.7	2.52
6	4.73	2.97	420 / 191	14.0	27 / 2.5	3.78
8	5.98	3.96	560 / 254	18.8	36 / 3.4	5.04
10	6.95	4.96	700 / 318	23.6	45 / 4.2	6.31
12	7.74	5.95	840 / 381	28.4	54 / 5.0	7.57
16	8.95	7.92	1120 / 508	38.0	72 / 6.7	10.09

Antenna Height { H } in Meters Antenna Spacing { S } in mm		
No of Bays	H	S
1	2.0	-
2	4.4	2400
3	6.8	2400
4	9.2	2400
6	14.0	2400
8	18.8	2400
10	23.6	2400
12	28.4	2400
16	38.0	2400

