

PVH74000-PVHX4000 VHF & DAB 4 Dipoles Panel

VHF
Band III TV
DAB / DAB+

Operative Frequency
174 - 240 MHz

Input: 7/8" EIA
7-16 DIN

MAIN FEATURES

Product Code: PVH74000 (EIA 7/8") / PVHX4000 (DIN 7-16)

Electrical characteristics

Frequency Range	174 - 240 MHz
Input impedance	50 OHM
Polarization	Horizontal
Gain	11 dBd (@ 200 MHz)
VSWR	<1.1
Max input Power PVH74000	3 kW (Input 7/8")
Max input Power PVHX4000	1 kW (Input 7-16)
all metal parts are ground connected	

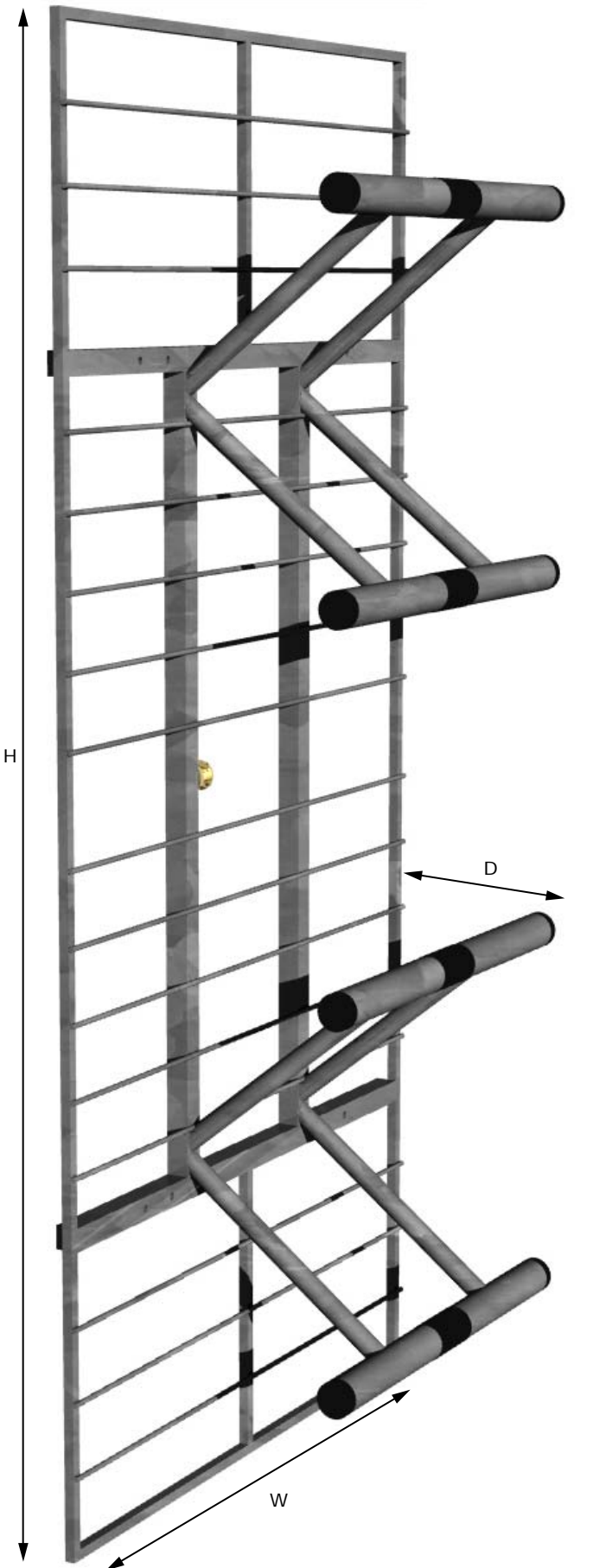
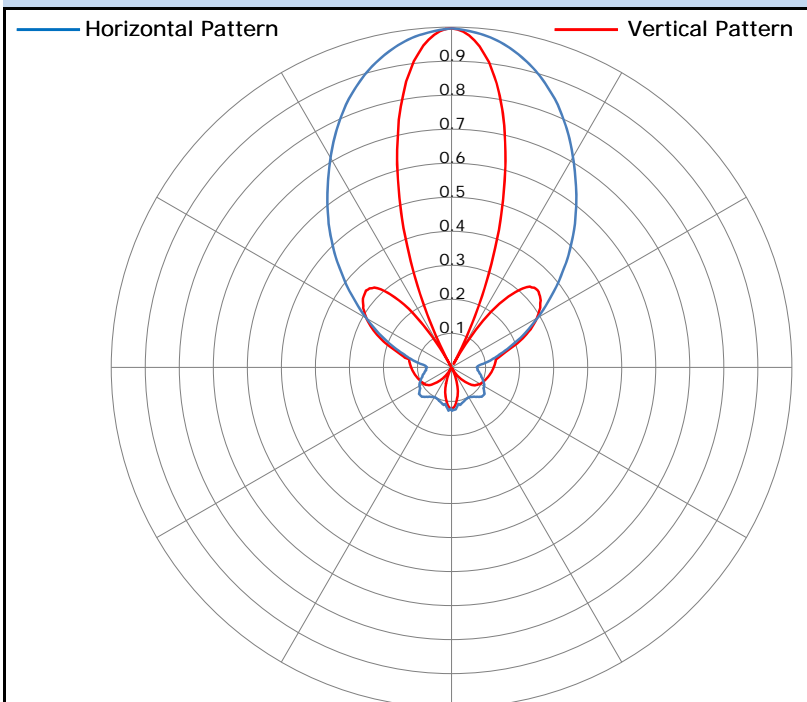
Mechanical characteristics

Input Connector PVH74000	EIA 7/8"
Input Connector PVHX4000	7-16 DIN Female
Weight/Mass	588 N (60 Kg 132.2 lbs)
Wind loads (wind=160 Kph)	1300 N (Front thrust) 300 N (Side thrust)
Max Wind (survival)	200 Kph
Operating temperature	-50°C to +70°C
Mounting on tower face	(Optional Pole Brackets for Ø 89-114 pole)

Materials

External parts/Brackets	Hot Dip Galvanized Steel
Internal Lines/ Dipoles	Silver Plated Alu/Brass
Hardware	Stainless Steel

E/EM Radiation Patterns



H: 2810 mm [110.6"] W: 1310 mm [51.6"] D: 481 mm [18.9"]

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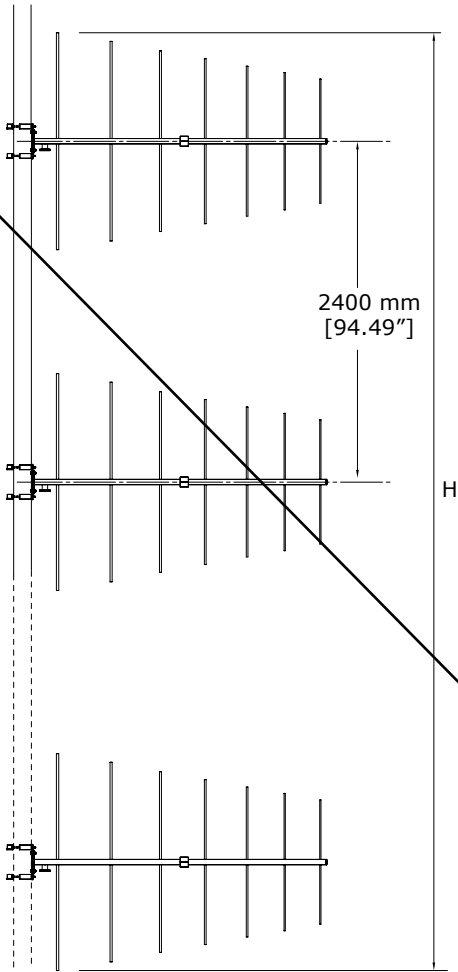
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PVH74000-PVHX4000 VHF & DAB 4 Dipoles Panel- Typical Antenna Systems Patterns

Arrays Data Table

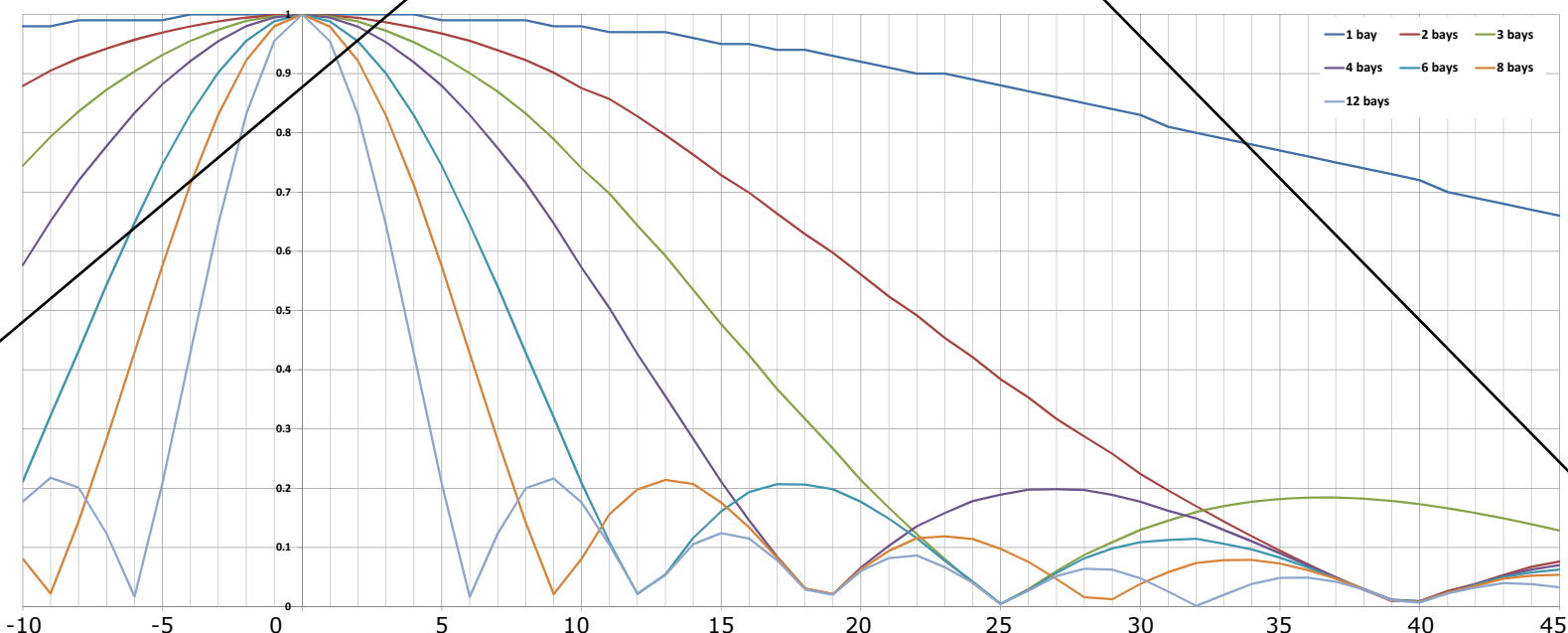
Bays (Nr)	Gain (dBd)	Height (m/ft)	Weight (kg/lbs)*
1	7.1	1.8 (5.91)	28 (61.6)
2	10.1	4.2 (13.78)	56 (123.2)
3	11.9	6.6 (21.65)	84 (184.8)
4	13.1	9 (29.53)	112 (246.4)
6	14.9	13.8 (45.28)	168 (369.6)
8	16.1	18.6 (61.02)	224 (492.8)
12	17.9	28.2 (92.52)	336 (739.2)

*Supporting Pole, Cables, Power Dividers NOT considered



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E/EM Vertical Radiation Patterns



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