

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	2 kW (Input 7-16)
all metal parts are ground connected	

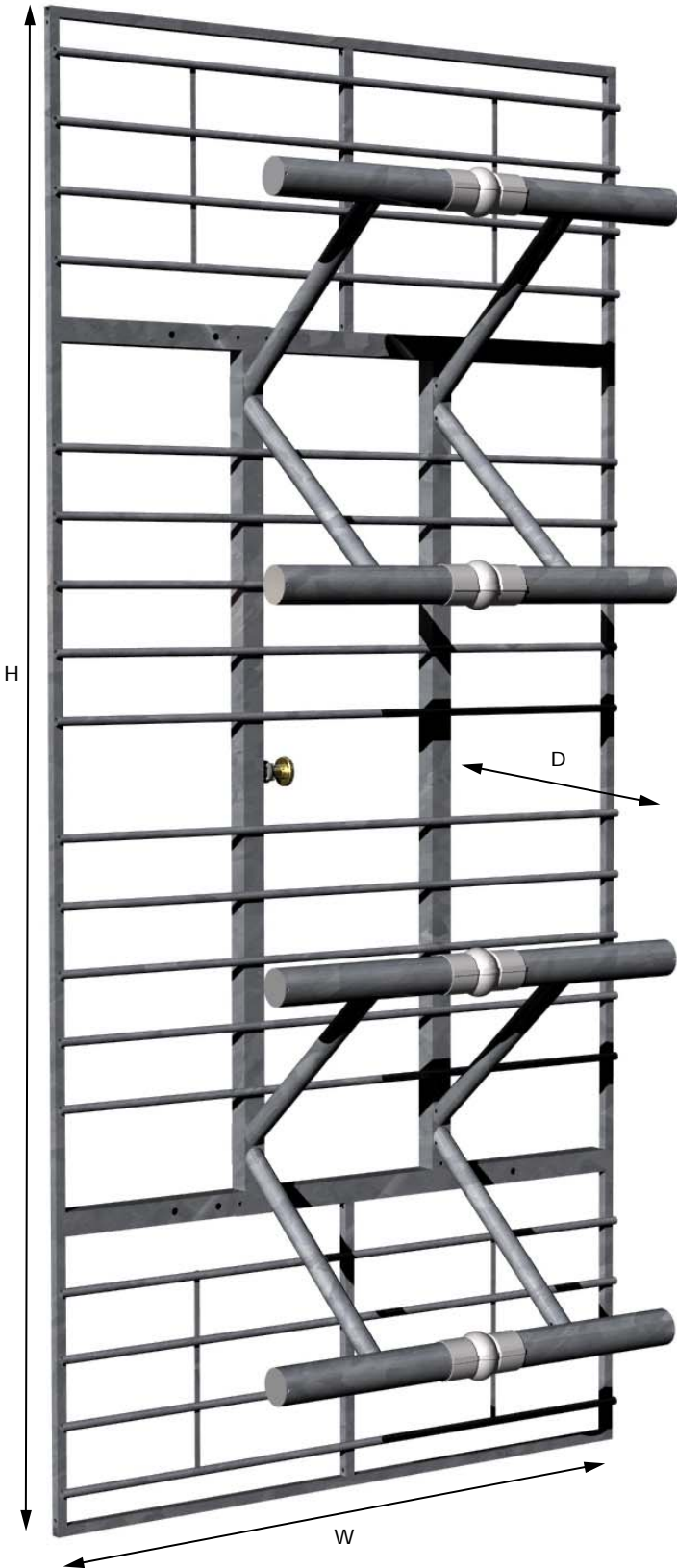
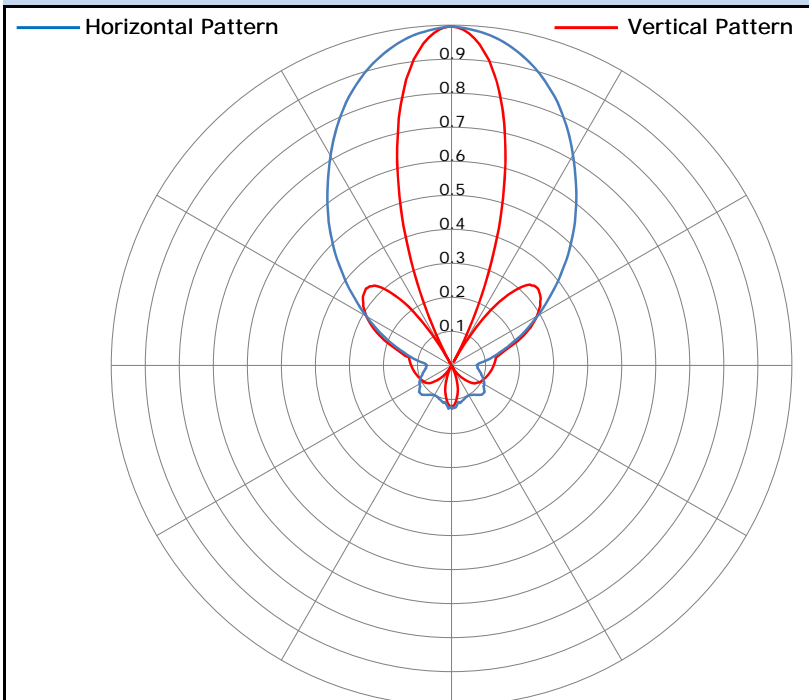
Mechanical characteristics

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



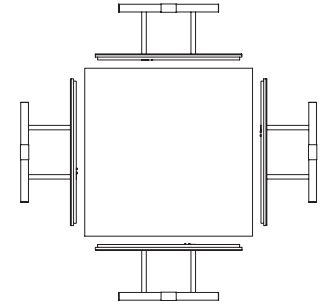
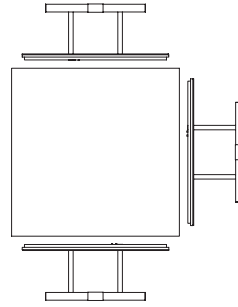
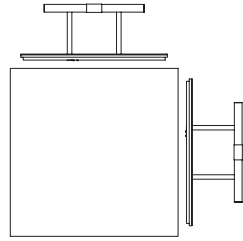
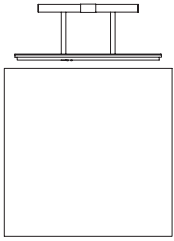
H: 2810 mm [110.6"] W: 1310 mm [51.6"] D: 481 mm [18.9"]

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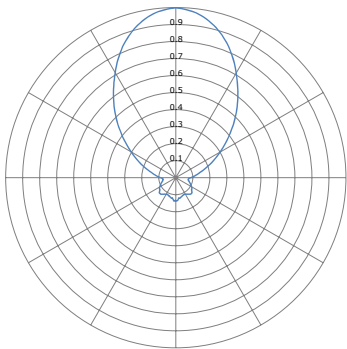
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PVH74000-PVHX4000 VHF & DAB 4 Dipoles Panel- Typical Antenna Systems Patterns

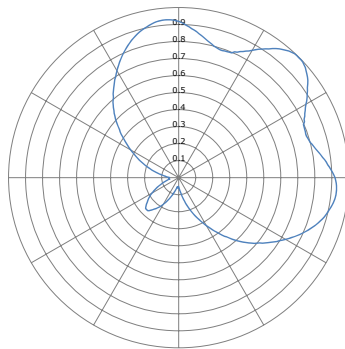
Arrays Data Table



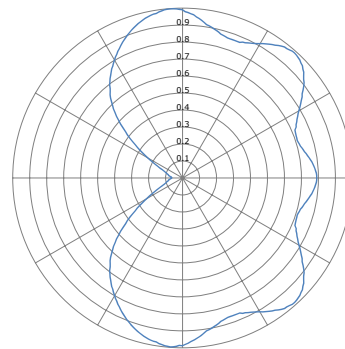
— Horizontal Pol.



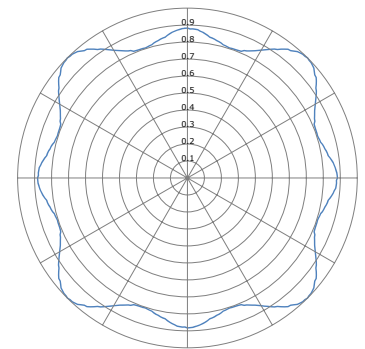
1 face



2 faces



3 faces



4 faces

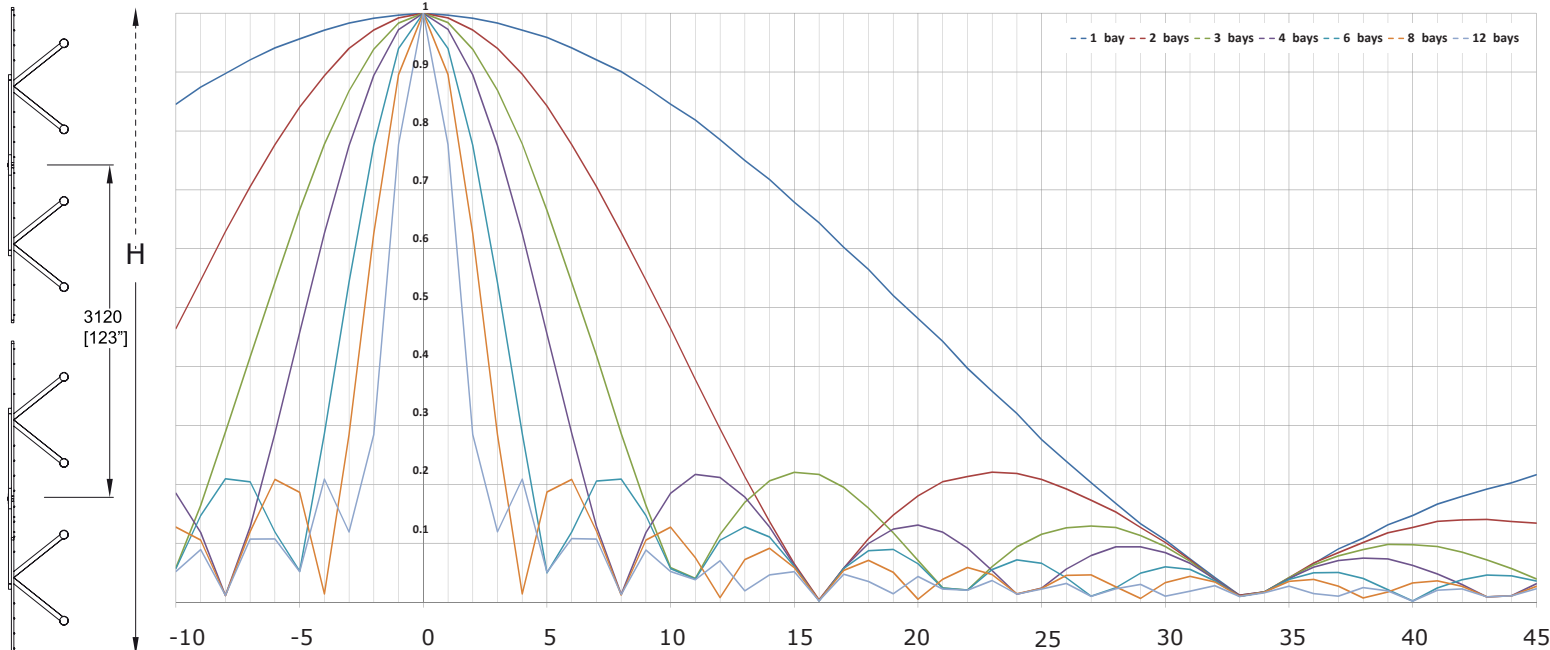
Bays #	Gain dBd	Height m	Weight kg
1	11	2.81	60
2	14	5.93	120
3	15.8	9.05	180
4	17	12.17	240
6	18.8	18.41	360
8	20	24.65	480
12	21.8	37.13	720

Bays #	Gain dBd	Height m	Weight kg
1	8	2.81	120
2	11	5.93	240
3	12.8	9.05	360
4	14	12.17	480
6	15.8	18.41	720
8	17	24.65	960
12	18.8	37.13	1440

Bays #	Gain dBd	Height m	Weight kg
1	6.2	2.81	180
2	9.2	5.93	360
3	11	9.05	540
4	12.2	12.17	720
6	14	18.41	1080
8	15.2	24.65	1440
12	17	37.13	2160

Bays #	Gain dBd	Height m	Weight kg
1	5	2.81	240
2	8	5.93	480
3	9.8	9.05	720
4	11	12.17	960
6	12.8	18.41	1440
8	14	24.65	1920
12	15.8	37.13	2880

E/EM Vertical Radiation Patterns



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