PFV72000 FM 2 Dipoles Panel

W: 2200 mm [86.6"] H: 2000mm [78.7"] D: 870 [34.2"]

Band FM	Operative Frequency 87.5 - 108 MHZ	Input: 7/8" EIA

MAIN FEATURES

Product Code: PFV72000 (EIA 7/8")

Electrical characteristics

Frequency Range	87.5 - 108 MHz
Input impedance	50 OHM
Polarization	Vertical/Horizontal
Gain	7.5 dBd
VSWR	<1.15
Max input Power	5.0 kW

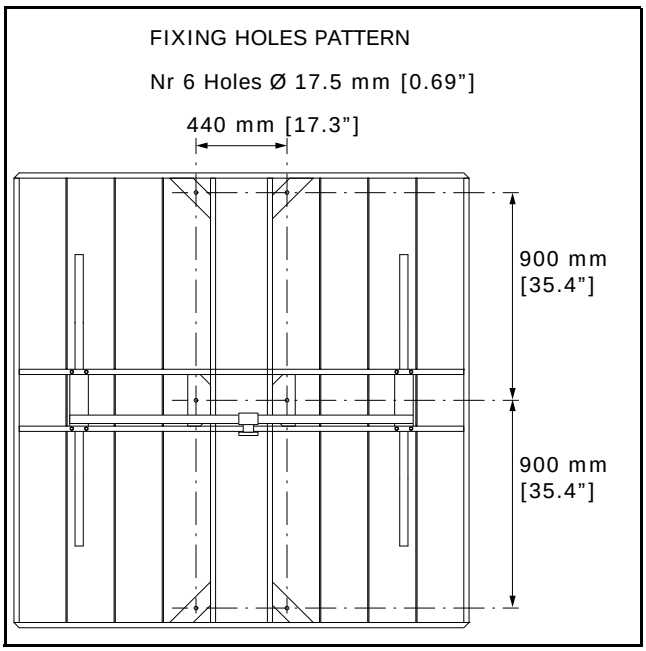
all metal parts are ground connected

Mechanical characteristics

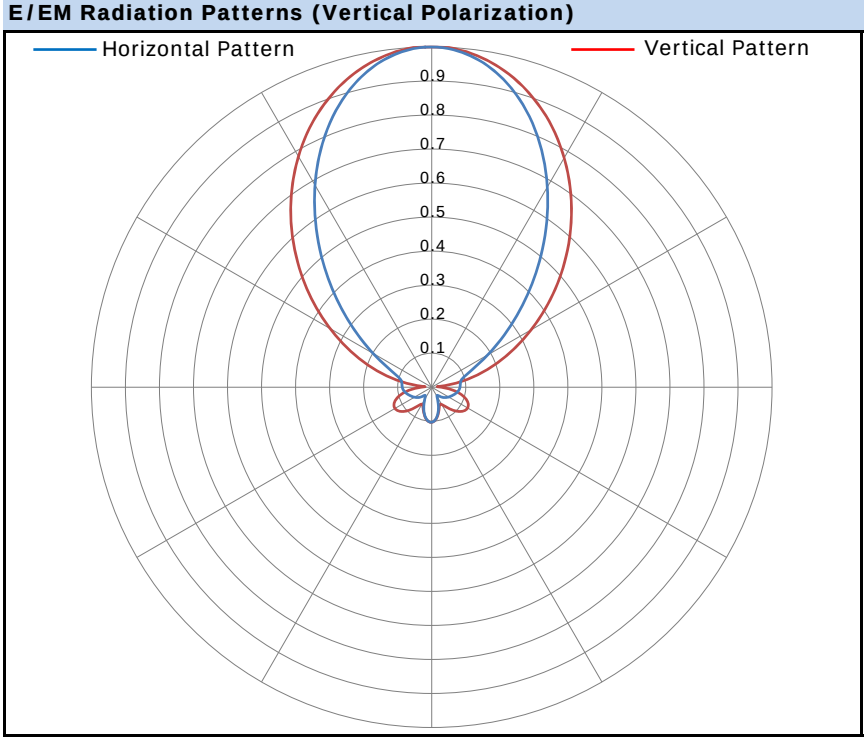
Input Connector PFV72000	EIA 7/8"
Weight/Mass	607.6 N (62 Kg | 136 lbs)
Wind loads (wind=160 Kph)	1650 N (Front thrust)
	1300 N (Side thrust)
Max Wind (survival)	200 Kph
Operating temperature	-50°C to +70°C
Pressurization	100 KPa (1 Atm)
Mounting:	Typical: Tower Face Mount
	(custom brackets on request)

Materials

External parts	Hot dip galvanized steel
Dipoles	Stainless Steel
Internal Lines	Silver Plated Alu/Brass
Hardware	Stainless Steel
Ice Protection	Fiberglass



E/EM Radiation Patterns (Vertical Polarization)



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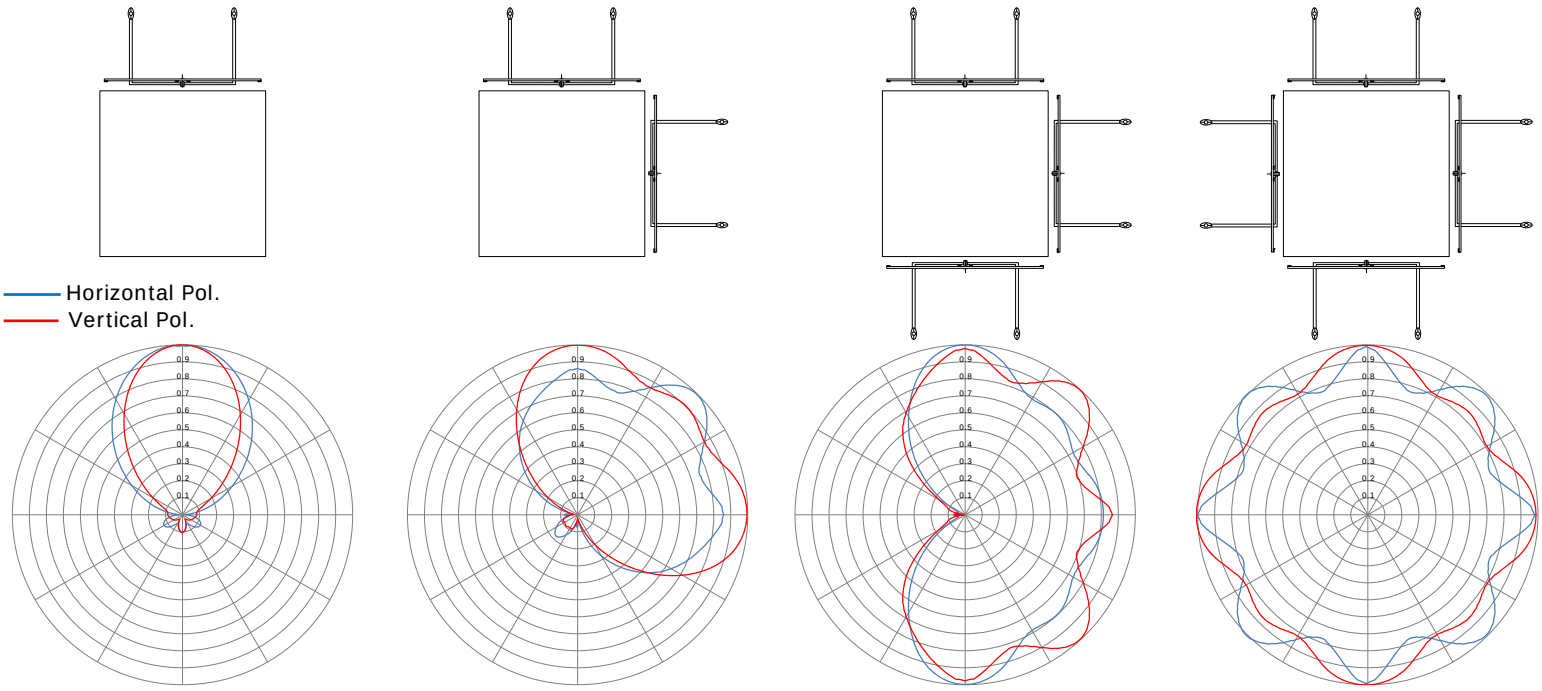
PFV72000 FM 2 Dipoles Panel - Typical Antenna Systems Patterns



1 Face

Bays	Gain dBd	Height (H) m	Weight kg
1	7.5	2.2	62
2	10.5	5.4	124
3	12.3	8.6	186
4	13.5	11.8	248
6	15.3	18.2	372
8	16.5	24.6	496
12	18.3	37.4	744

2 Faces

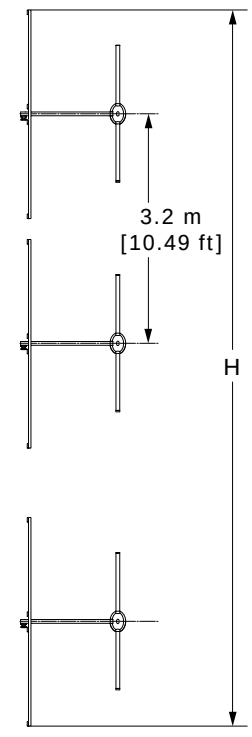
Bays	Gain dBd Hpol.(Vpol.)	Height (H) m	Weight kg
1	5.6 (3.7)	2.2	124
2	8.6 (6.7)	5.4	248
3	10.4 (8.5)	8.6	372
4	11.6 (9.7)	11.8	496
6	13.4 (11.5)	18.2	744
8	14.6 (12.7)	24.6	992
12	16.4 (14.5)	37.4	1488

3 Faces

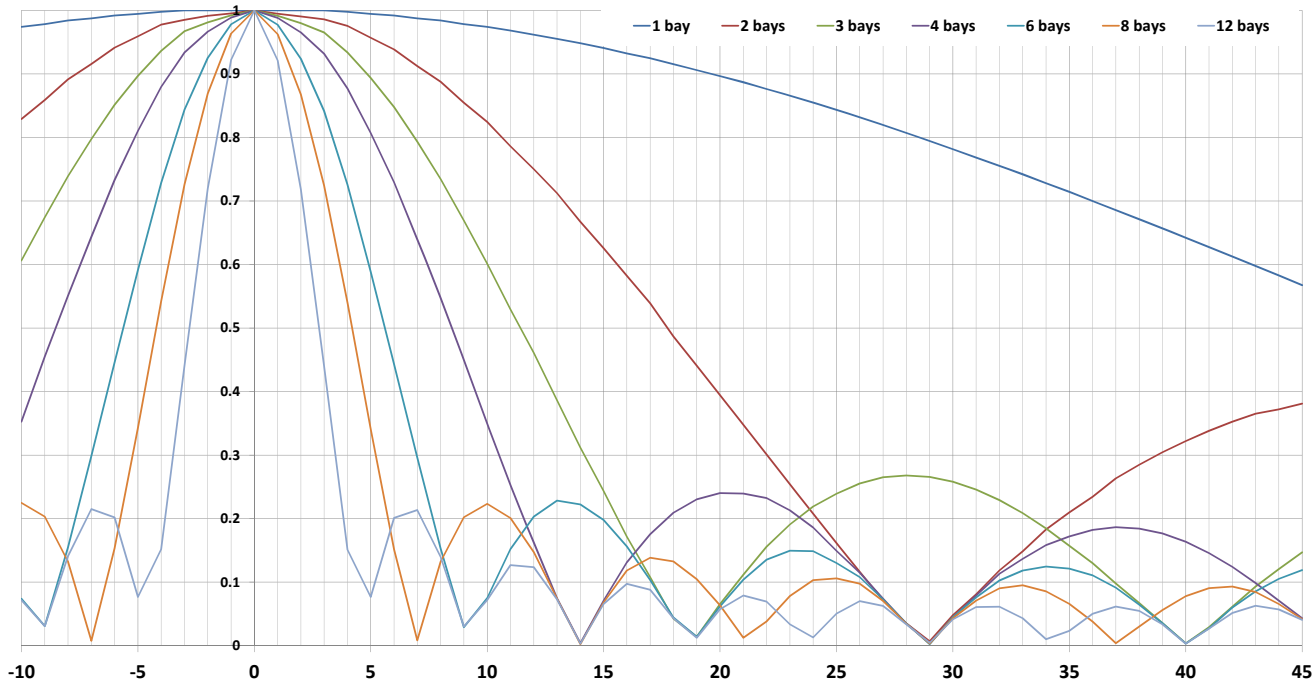
Bays	Gain dBd Hpol.(Vpol.)	Height (H) m	Weight kg
1	3.7 (2.9)	2.2	186
2	6.7 (5.9)	5.4	372
3	8.3 (7.6)	8.6	558
4	9.7 (8.9)	11.8	744
6	11.3 (10.6)	18.2	1116
8	12.7 (11.9)	24.6	1488
12	14.3 (13.6)	37.4	2232

4 Faces

Bays	Gain dBd Hpol.(Vpol.)	Height (H) m	Weight kg
1	2.1 (0.9)	2.2	248
2	5.1 (3.9)	5.4	496
3	6.9 (5.7)	8.6	744
4	8.1 (6.9)	11.8	992
6	9.9 (8.7)	18.2	1488
8	11.1 (9.9)	24.6	1984
12	12.9 (11.7)	37.4	2976



E/EM Vertical Radiation Patterns (Vertical Polarization)



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