

PUH14000-PUH74000-PUHX4000 UHF HORIZ.POL. 4 DIPOLES PANEL (I230EH)

UHF
Band IV-V TV

Operative Frequency
470 - 860 MHz

Input Size:
EIA 7/8" ; EIA 1-5/8" ;
DIN 7-16

ELECTRICAL CHARACTERISTICS

Frequency Range	470 - 860 MHz
Input impedance	50 OHM
Polarization	Horizontal
Gain	11.6 dBd (@ 600 MHz)
VSWR	<1.1
Max input Power PUH14000	5.0 (@600 MHz)
Max input Power PUH74000	2.5 (@600 MHz)
Max input Power PUHX4000	1.0 (@600 MHz)
all metal parts are ground connected	

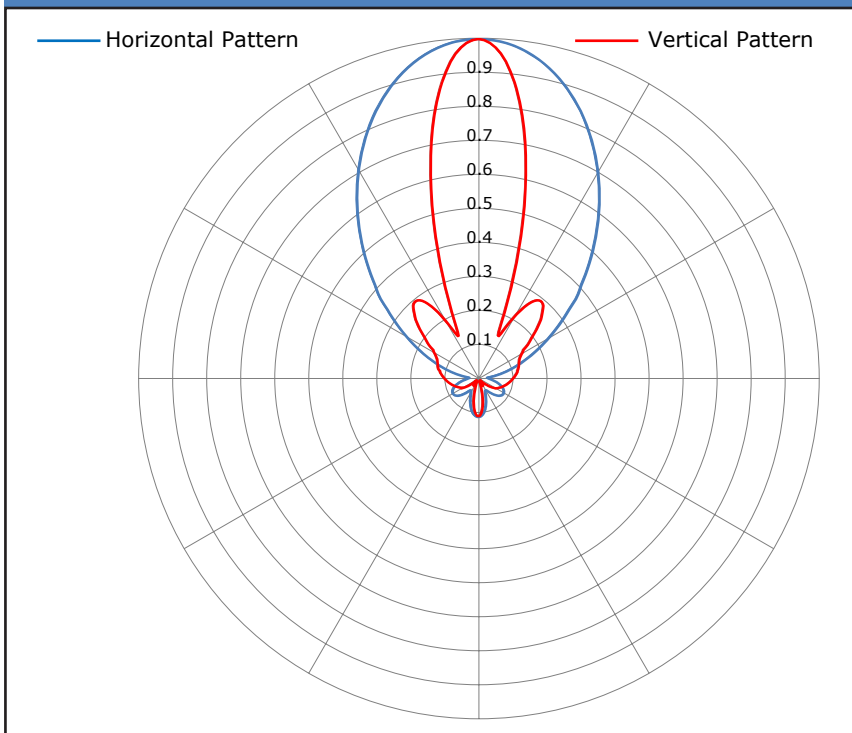
MECHANICAL CHARACTERISTICS

Input Connector PUH14000	EIA 1-5/8" (swivel)
Input Connector PUH74000	EIA 7/8" (swivel)
Input Connector PUHX4000	DIN 7-16 female
Weight/Mass	137 N (14 Kg 30.8 lbs)
Wind loads (wind=160 Kph)	600N (Front thrust) 250 N (Side thrust)
Max Wind (survival)	200 Kph
Operating temperature	-50°C to +60°C
Pressurization(NOT allowed for 7-16 input version)	100 KPa (1 Atm)
Mounting (Pole Brackets optional)	Tower face/Custom Mast

Materials

Back reflector	Stainless Steel
Internal Lines/ Dipoles	Silver Plated Brass/Copper
Hardware	Stainless Steel
Radome	Fiberglass (Std Color Grey, other colors upon request)

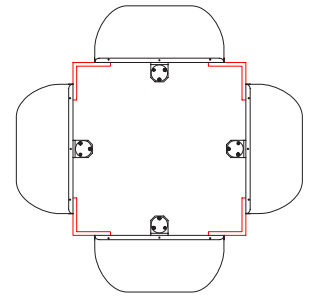
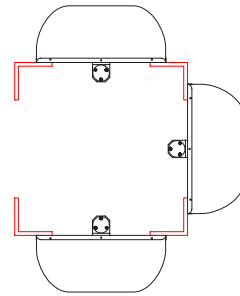
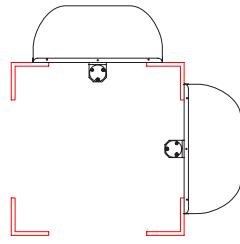
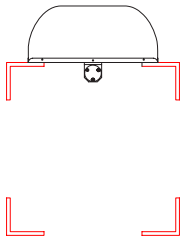
RADIATION PATTERNS



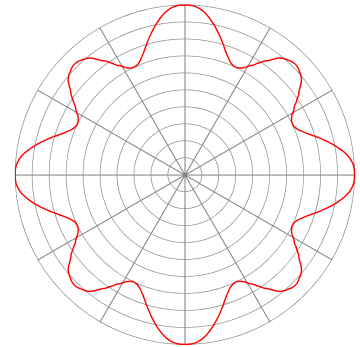
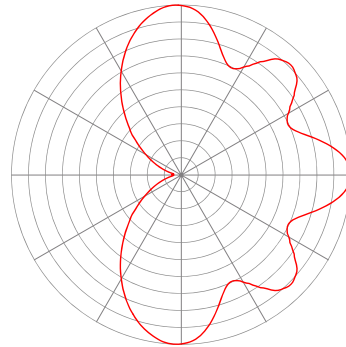
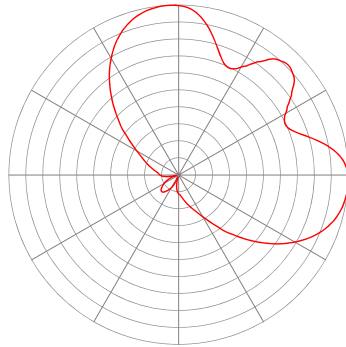
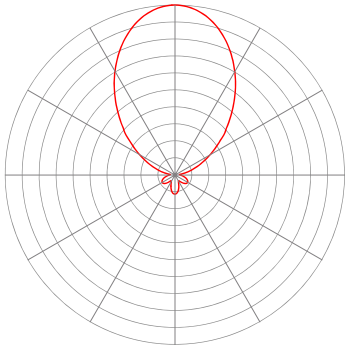
H: 1050 [41.3] W: 450 [17.7] D:197 [7.8]
mm [inches]

1230EH Panels - Typical Antenna Systems Patterns

Arrays Data Table



E/EM Horizontal Radiation patterns



1 face

2 faces

3 faces

4 faces

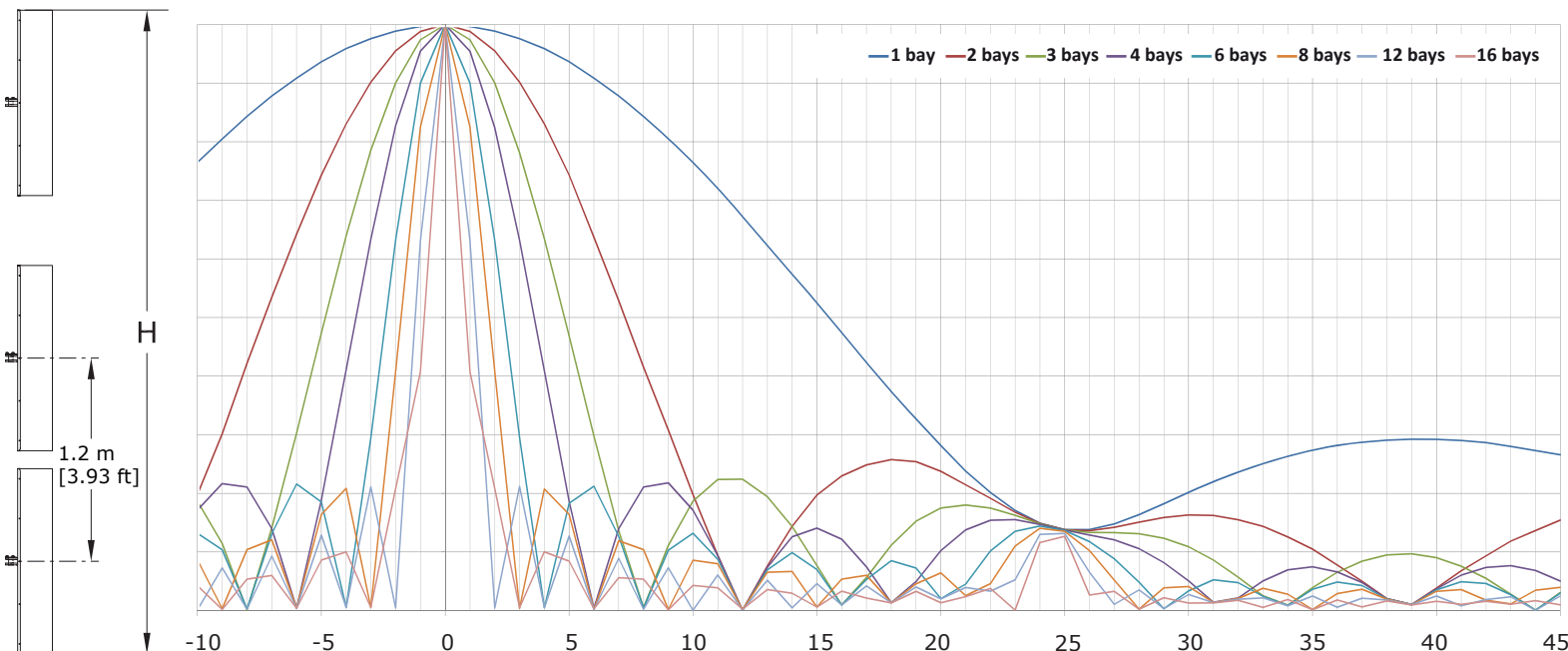
Bays #	Height H m	Gain dBd	Weight kg
1	1.05	11.6	16
2	2.25	14.6	32
3	3.45	16.4	48
4	4.65	17.6	64
6	7.05	19.4	96
8	9.45	20.6	128
12	14.25	22.4	192
16	19.05	23.6	256

Gain dBd	Weight kg
8.6	32
11.6	64
13.4	96
14.6	128
16.4	192
17.6	256
19.4	384
20.6	512

Gain dBd	Weight kg
6.8	48
9.8	96
11.6	144
12.8	192
14.6	288
15.8	384
17.6	576
18.8	768

Gain dBd	Weight kg
5.6	64
8.6	128
10.4	192
11.6	256
13.4	384
14.6	512
16.4	768
17.6	1024

E/EM Vertical Radiation Patterns



I dati contenuti nel presente datasheet possono variare senza preavviso
Data on this datasheet can vary without previous notice