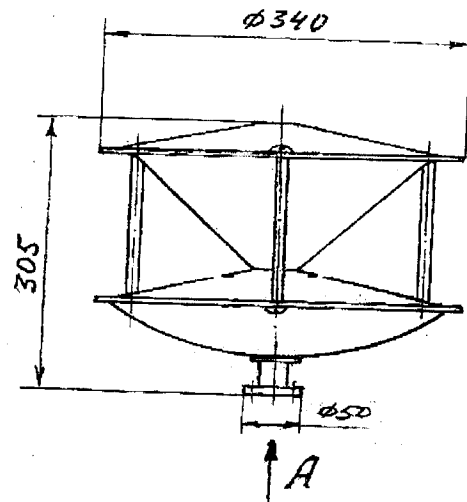
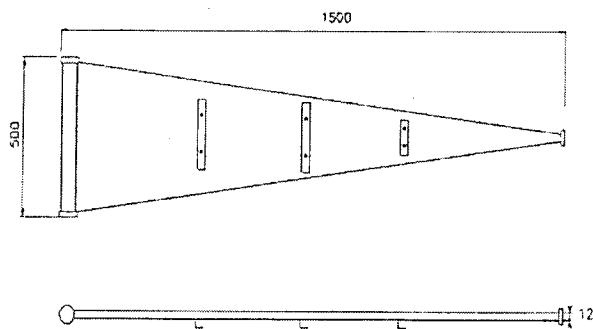


MDS America Transmission Antennas

180° H or V polarization
360° H and V polarization
360° H polarization



1: Characteristics

- Vertical and Horizontal polarization for models 360°. 180°.
- Contoured Pattern providing a “null free” below-the horizon coverage and low radiation above Horizon .
- Pressurizable feed

2: Technical specifications

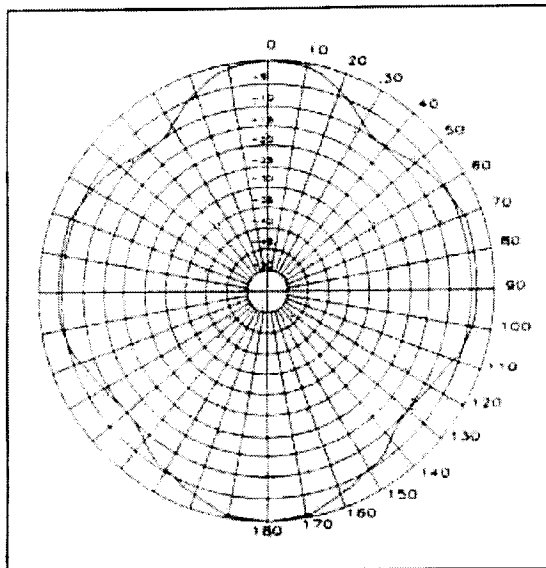
- Diagrams next pages

Model	$\Delta\Theta$ (elev) Degrees	$\Delta\phi$ (azim) Degrees	Gain dB	Size, H*W*D (mm)	Pattern
180° H	5.5	180	24	1500*500*12 (mm)	1,2
360° H or V	8	360	10	Ø400*300 (mm)	3,4
360 H and V	8	360	10	Ø340*305 (mm)	N avail

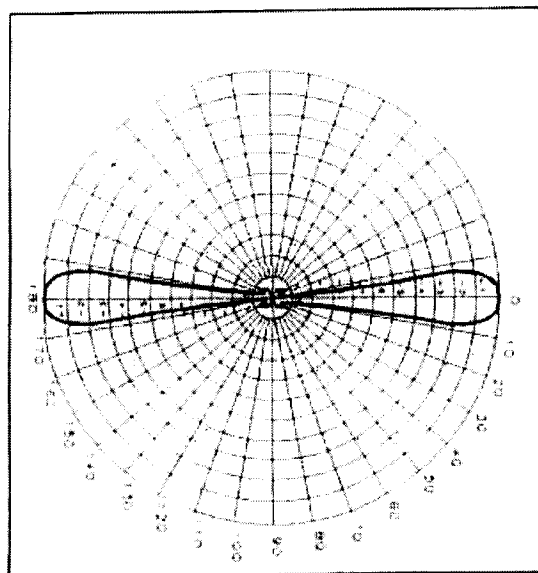
10-13 GHz SLOT OMNIDIRECTIONAL BROADCAST ANTENNA

H polarization

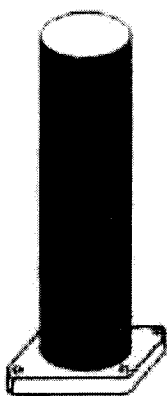
Pattern 1 & 2



Pattern diagram - Horizontal Plane



Pattern diagram - Vertical Plane

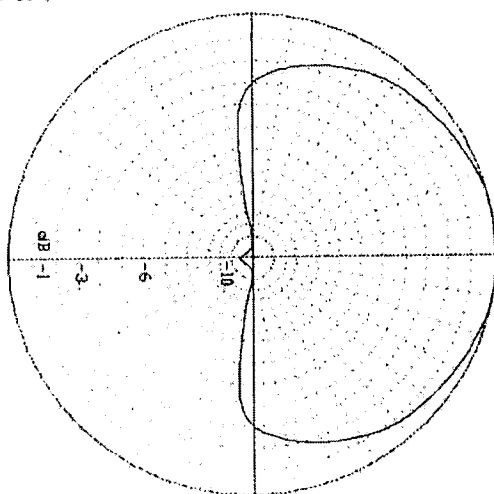


Frequency Band	= 10-13 GHz (bandwidth 100MHz)
Gain	= 20 dBi
Impedance	= 50 Ohms
Beamwidth	= 360°
Return Loss	= 20 dB
Dimensions	= 300 x 40 mm
Weight	= 2Kg
Material	= Brass - Fiberglass

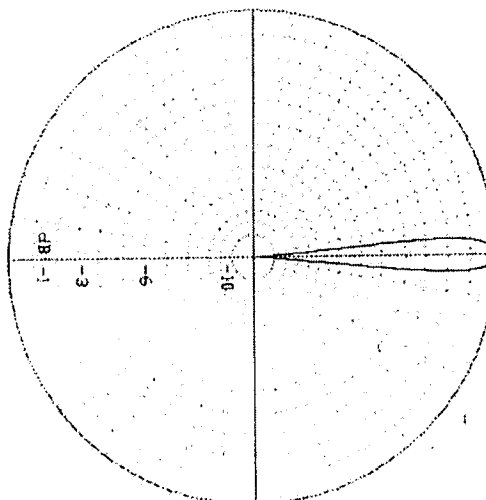
10-13 GHz 180° HORN BROADCAST ANTENNA

Horizontal Polarization

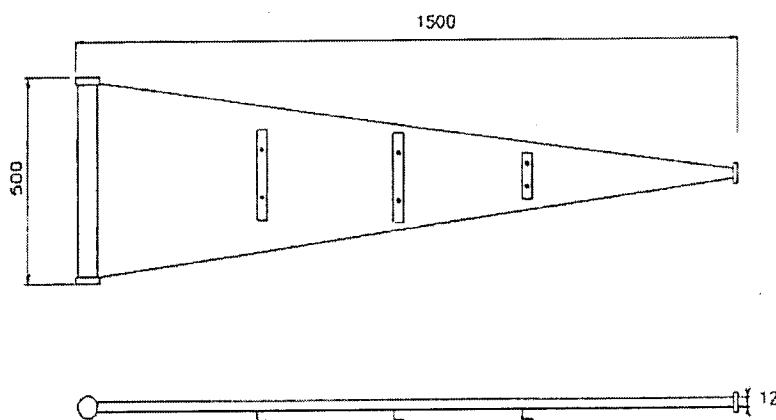
Patterns 3 & 4



Horizontal pattern



Vertical pattern



Frequency Band	= 10-14 GHz
Gain	= 24 dBi
VSWR	< 1.2
Dimensions	= 1500 x 500 mm
Weight	= 3.3 Kg
Material	= Stainless Steel