

HORIZONTAL UHF PANEL ANTENNA **APO8**



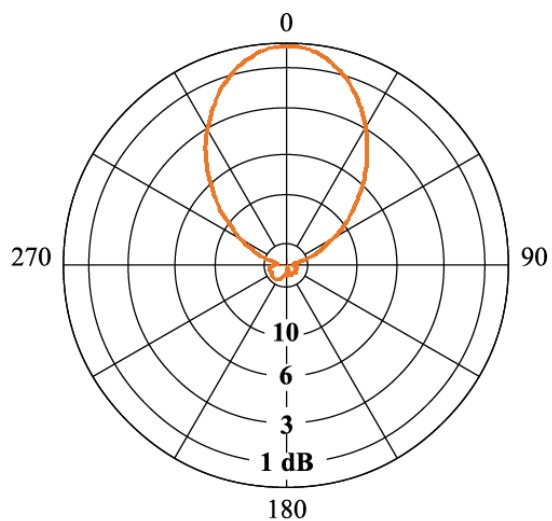
**RF DATA**

Frequency Range .....	470 - 860 MHz
Bandwidth .....	Broadband
Polarization .....	Horizontal
Connectors:	
- APO 8/N .....	N female
- APO 8/716 .....	DIN 7/16" F 90°
- APO 8/78 .....	EIA 7/8" 90°
Max. power handling capability:	
- APO 8/N .....	0.5 kW
- APO 8/716 .....	1.5 kW
- APO 8/78 .....	2.5 kW
Gain (at mid-band, ref. to $\lambda/2$ dipole) .....	12 dBd
VSWR (in the whole band) .....	<1.1:1
Impedance .....	50 $\Omega$
Wind load (ref. 150 Km/h):	
-Frontal .....	63 kg
-Lateral .....	40 Kg
Grounding .....	Via clamps
Half Power Beamwidth:	
E-plane.....	$\pm 32^\circ$
H-plane .....	$\pm 12^\circ$

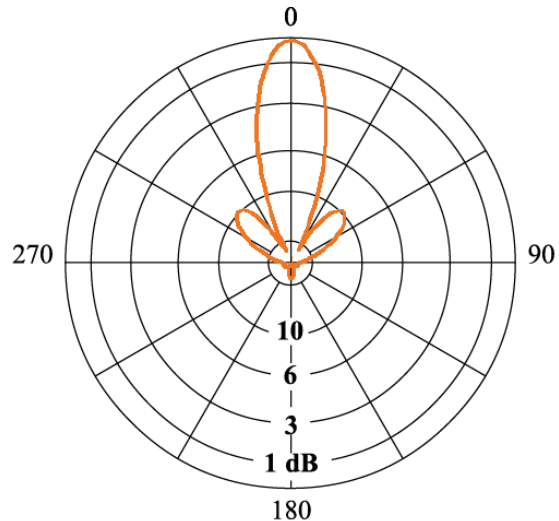
**MECHANICALS**

Materials:	
Radiators .....	Brass and aluminum
Reflector .....	Stainless steel
Radome .....	Fiberglass
Clamps .....	Hot-dip galvanized steel

Pole diameter .....60 - 102 mm  
Dimensions (HxWxD)(EIA 7/8") ..... 1000x450x280 mm  
Weight (with pole clamp) ..... 14.5 Kg



**E-Plane**



**H-Plane**