



TVA OMNI



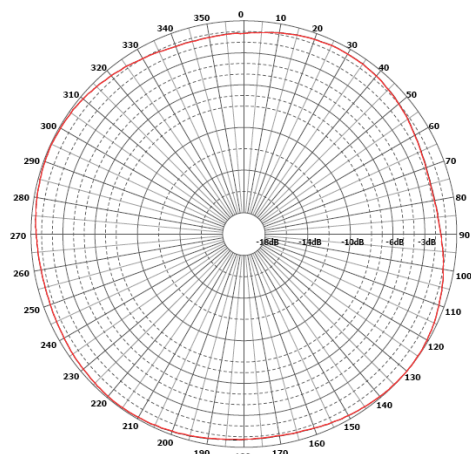
UHF Omni-Directional Antenna

ELTI family of UHF antennas now include a NEW state-of-the-art UHF Omni-Directional Antenna with exceptional horizontal and vertical radiation patterns based on a very low weight design. TVA OMNI antenna has been developed for easy rooftop installation for special requirements of dense city coverage offering from 1 up to 4 bay solution to meet all customer demands.

SPECIFICATIONS:

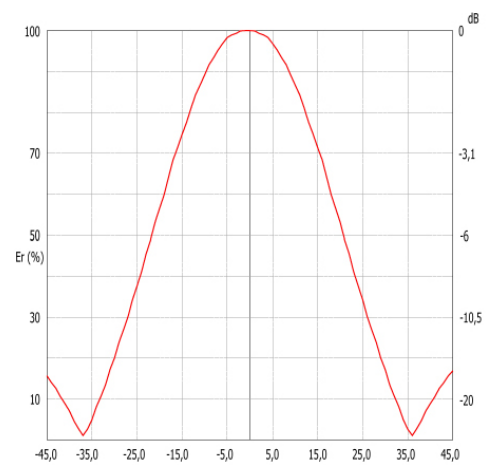
	type OM-1	type OM-2	type OM-4
Input connector	EIA 7/8"	EIA 1 5/8"	EIA 3 1/8"
Impedance	50 Ω		
VSWR	≤ 1.1 (26 dB)		
Frequency range	470 – 862 MHz		
Gain (ref. to half wave dipole)	5 dB	8 dB	11 dB
Polarization	Horizontal		
Max. input power	2,5 kW	3,5 kW	10 kW
Elevation pattern	25°	11°	5°
Material:			
- dipoles and feeders	Aluminum and brass with protection		
- radome	Polyester		
Mounting	A holder with 2 clamps for pipe Φ (80 / 120mm)		Flange Φ 650mm
Icing protection	An efficient anti-frost polyester protection covering		
Lightning protection	All metal parts of antenna are DC grounded		
Weight	29 kg	50kg	155kg
Wind load	330 N at 160 km/h	590 N at 160 km/h	1600 N at 160 km/h
Max. wind velocity	225 km/h		
Dimensions (mm) *without lightening rod (250mm)	1.352 x 340	2.546 x 340	5.225 x 350

Typical horizontal radiation pattern

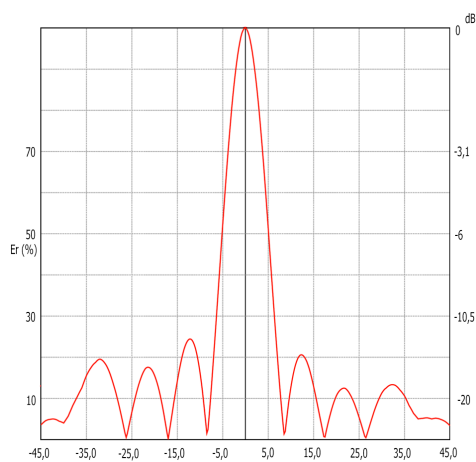


type OM-1/2/4

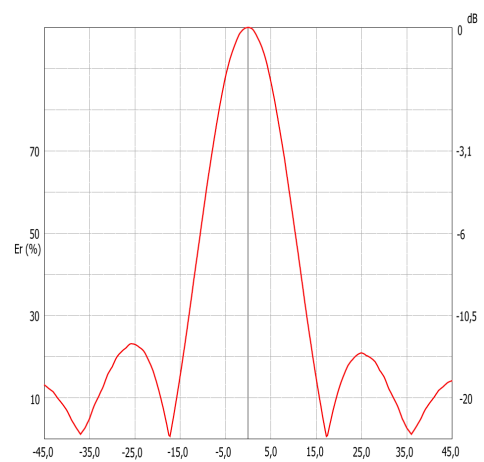
Typical vertical radiation pattern



type OM-1



type OM-4



type OM-2