

UHF Omni-Directional Antenna

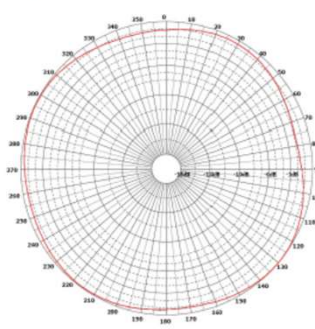
Specifications

Electrical & Mechanical	OM-1	OM-2
Frequency range	470 ~ 862 MHz	
Input connector	EIA 7/8"	EIA 1 5/8"
Impedance	50Ω	
VSWR	≤ 1.12 (25dB)	
Gain (ref. to half wave dipole)	4.5 dB	7.5dB
Polarization	Horizontal	
Max. input power	2.5kW	3.5kW
Elevation pattern	25°	11°
Material	OM-1	OM-2
Dipoles and feeders	Aluminum and brass with protection	
Radome	Polyester	
Mounting	A holder with 2 clamps for pipe Φ (80-120mm)	
Icing protection	An efficient anti-frost polyester protection covering	
Lightning protection	All metal parts of antenna are DC grounded	
Weight	29kg	50kg
Wind load	330N at 160km/h	590N at 160km/h
Dimensions *without lightning rod (250mm)	1,352 x 340 mm	2,546 x 340 mm
Wind velocity (Max)	230km/h	200km/h

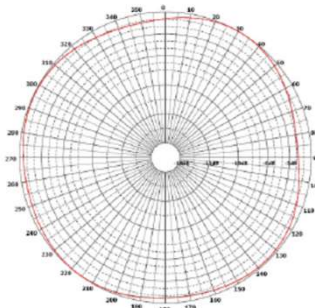


UHF Omni-directional antenna

Typical horizontal radiation pattern

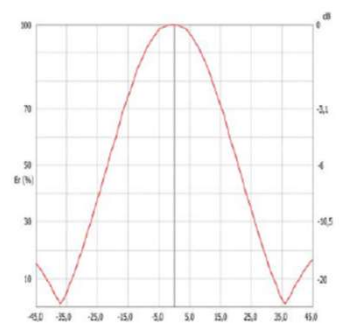


OM-1

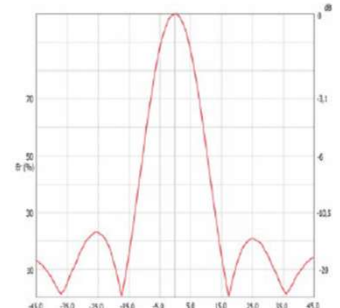


OM-2

Typical vertical radiation pattern



OM-1



OM-2