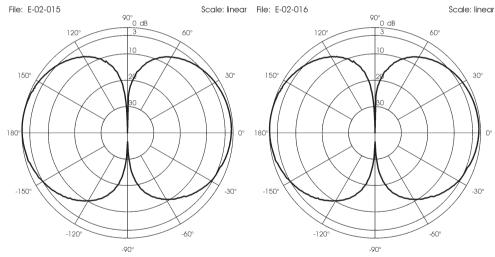


TYPICAL RADIATION PATTERN in E-plane at 222 MHz TYPICAL RADIATION PATTERN in E-plane at 258 MHz





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DESCRIPTION

 $3/4 \lambda$ VHF antenna for base station service made of high quality materials to get the best performance and the maximun efficiency. It is completely manufactured with aluminium tubes and nylon for its great robustness and it is supplied with a solid steel bracket for an easy and safe installation. Its Gamma Match feed makes it earthed for a perfect protection against the static discharges. In the mentioned range of frequencies, adjustments are not required. Simple and strong, it is particularly recommended for a professional use.

SPECIFICATIONS

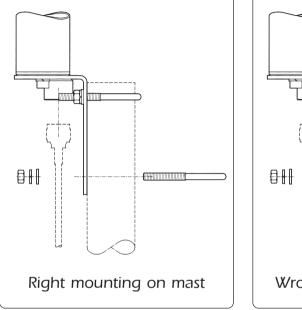
Electrical Data

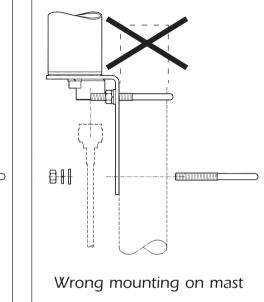
Type Frequency Range @ SWR≤ 2.0	:	3/4 λ Coax. J-Pole CX 220 U/N 216-229 MHz CX 260 U/N 250-266 MHz
Impedance	:	50 Ω Unbalanced
Radiation (H-Plane)	:	360° Omnidirectional
Radiation (E-Plane)	:	Beamwidth at -3 dB = 60°
Radiation angle deg.	:	-2°
Polarization	:	Vertical
Gain	:	2 dBd - 4.15 dBi
Bandwidth @ SWR 1.5	:	CX 220 U/N ≥ 7.4 MHz
	:	CX 260 U/N ≥ 9.2 MHz
SWR @ res. freq.	:	≤ 1.2
Max Power	:	200 Watts
Feed System / Position	:	Gamma Match / Base
Connector	:	CX 220/260 U: UHF-Female
	:	CX 220/260 N: N-Female

Mechanical Data

Materials	:	Nylon, Brass, Steel, Aluminium
Wind Load / Resistance	:	36 N at 150 Km/h / 180 Km/h
Wind Surface	:	0.03 m ²
Height (approx.)	÷	CX 220 U/N 1100 mm
	÷	CX 260 U/N 950 mm
Weight (approx.)	÷	600 gr
Mounting Mast	÷	Ø 35-42 mm
-		

MOUNTING INSTRUCTIONS





HARDWARE PARTS LIST		
Oty	Descriptions	
n.2	U-bolts	
n.4	M6 flat washer	
n.4	M6 lock washer	
n.4	M6 hex nut	