

SPECTRAL IsoPole

UHF 435 -UHF 450

INSTRUCTIONS ASSEMBLY

The **SPECTRAL IsoPole** UHF represents a different concept in omni directional antenna systems for base stations, offering the maximum performance for the application required, as: **Zero** degree radiation angle, so the maximum gain on the horizon, uniform dispersion factor at 360 degree, great broadband and power handling

constructed with the best material available, the **SPECTRAL IsoPole** conserve characteristics and the linearity in extreme weather conditions.

The **IsoPole** UHF must be mounted in a metallic tube of 1".25 in (32mm) of external diameter and 1" in (25.4mm) to allow the path of a N type connector, and a minimum of 5" in (12,7 mm) of length, and only must be adjusted the screws of the base to attach the antenna to the mast.

TUNING

The **SPECTRAL IsoPole** UHF antenna is factory pre-tuned .The final tuning operation is simple; just moving the cones according to the frequency table dimensions, so for higher frequencies, cones must be moved close to the center of the insulator.

For lower frequencies perform the inverse operation. The lower cone must conserve the **Same** distance (8"1/2 in) (216 mm) of the upper cone.

Frequency Chart

MHZ	h1		h2
420	17"1/2	445 mm	
435	16"1/2	425 mm	8"/12 216 mm
460	14"	360 mm	

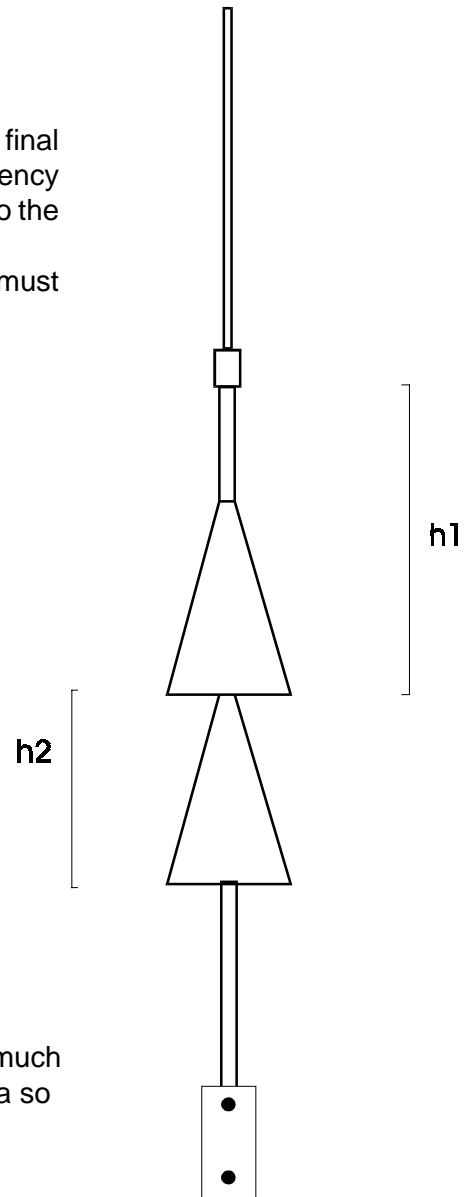
Dimensions Must be taken from the center of the insulator.

The length between the upper and the lower cone must be 8"12 (216mm)

For technical support contact: tech@isopole.com

ATTENTION

The antenna should be mounted so as clear surrounding objects as much as possible, a high location is appropriated. Be sure to mount the antenna so it will neither touch or be able to fall with power wiring.



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