SPO 2 m Series 5 dBi

Sirio Professional Omni

VHF Base Station Antennas 135-175 MHz

MAIN FEATURES

- Omnidirectional Wideband Colinear antennas, no tuning required
- Designed to work without ground plane, Anodized aluminium and stainless steel hardware
- Maximum protection against the harshest weather condition, IP67 waterproof
- Fully designed and manufactured in Italy

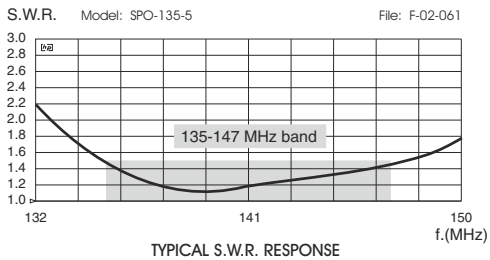
UPGRADED FEATURES

- New plastic clamp to ensure a secure seal with the connector protection cap

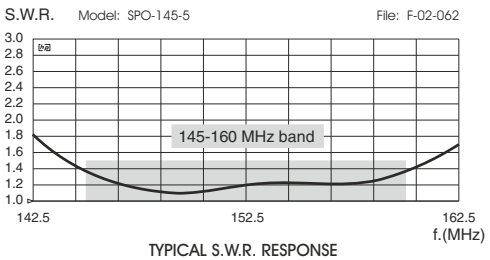


Electrical Data	**SPO 135-5**	**SPO 145-5**	**SPO 150-5**	**SPO 158-5**
Type	Colinear			
Frequency Range	135-147 MHz @ SWR £ 1.5	145-160 MHz @ SWR £ 1.5	150-165 MHz @ SWR £ 1.5	158-175 MHz @ SWR £ 1.5
Impedance	50 W			
Radiation (H-plane)	360° Omnidirectional - HCM code = 000ND00			
Radiation (E-plane)	Beamwidth @ -3dB = 40° - HCM code = 020ND000			
Radiation angle deg.	0°			
Polarization	Linear Vertical			
Gain	3 dBd - 5.15 dBi			
Max Power	100 Watts (CW) @ 30°C ambient			
Grounding Protection	All metal parts are DC-grounded, inner conductor shows a DC short			
Connector	N-female, with rubber protection cap			
Mechanical Data				
Materials	White fiberglass radome Æ 28.6 mm, anodized 6063-T5 aluminium, brass, stainless steel, copper, EPDM rubber.			
Wind Load at 150 km/h	104 N	98 N	98 N	93 N
Wind Resistance	150 Km/h; 93 mi/h			
Wind Surface	0.089m²;0.95ft²	0.083m²;0.88ft²	0.083m²;0.88ft²	0.078m²;0.83ft²
Operatin temperature	-40°C to + 80°C			
Height (approx.)	2940mm;9.6ft	2740mm; 9ft	2740mm; 9ft	2590mm;8.5ft
Weight (approx.)	2160gr; 4.7lb	2045gr; 4.5lb	2000gr; 4.4lb	1950gr; 4.3lb
Ingress Protection	IP 67			
Mounting Mast	Side mast with "V" bolt, Æ 35-60 mm Æ 1.4-2.4 in			

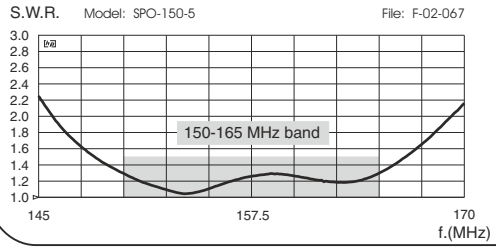
TYPICAL S.W.R. RESPONSE



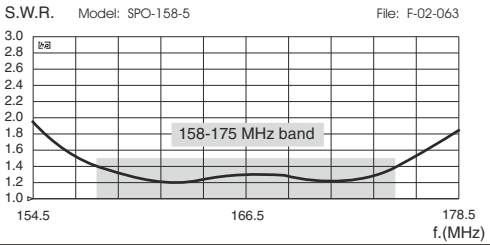
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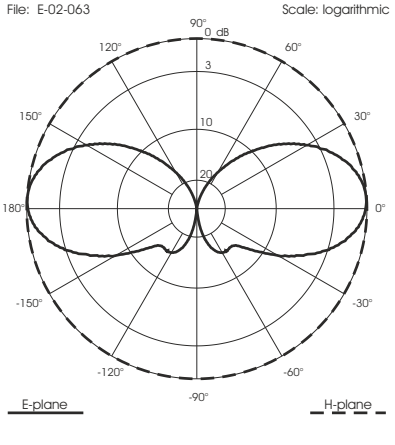
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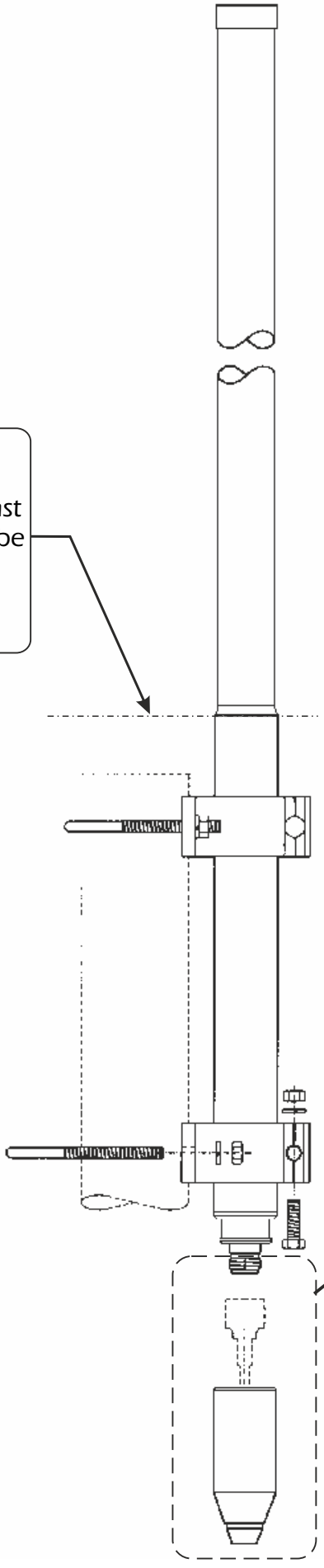


TYPICAL RADIATION PATTERN in E-plane at mid-band



MOUNTING INSTRUCTIONS

ATTENTION!
The mounting mast does not have to be higher of the aluminium tube



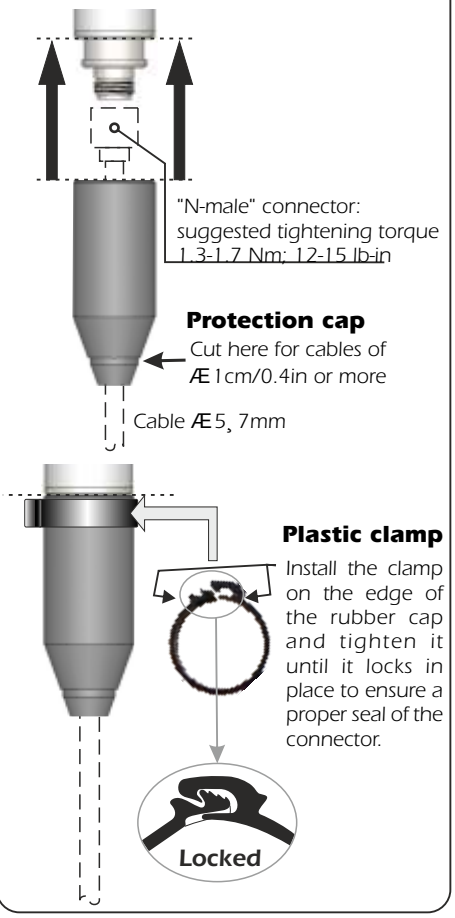
FT-5 fixing bracket:



FT-5 fixing bracket part list	
Q.ty	*Description*
2	Extruded aluminium bracket
2	M6x206 V-bolt
2	M6x20 Exagonal head screw
6	M6 Spring lock washer
6	M6 Hexagonal nut
Materials:	extruded aluminum
Hardware:	stainless steel
Dimensions:	85x65x25mm; 3.3x2.5x1in
Weight:	220 g; 0.5 lb
Re-order code: 2519613.00	

Connector protection cap and plastic clamp

Re-order code: WKI00048



HI-QUALITY ANTENNAS MADE IN ITALY

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