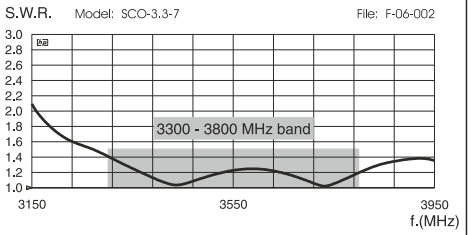
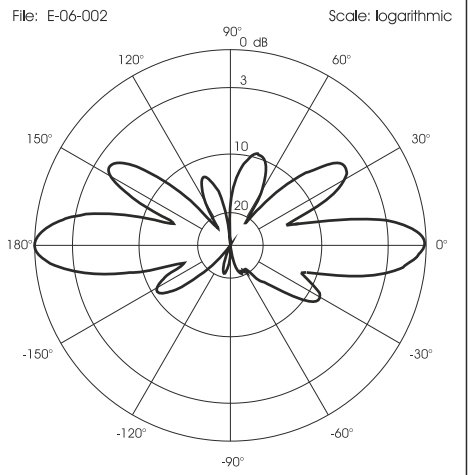
SCO-3.3-7

TYPICAL S.W.R. RESPONSE

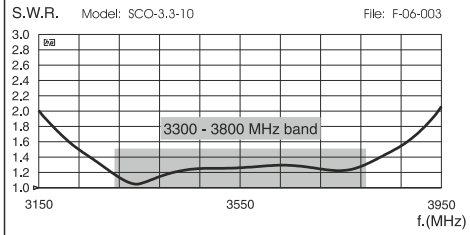


TYPICAL RADIATION PATTERN IN E-PLANE at 3550 MHz

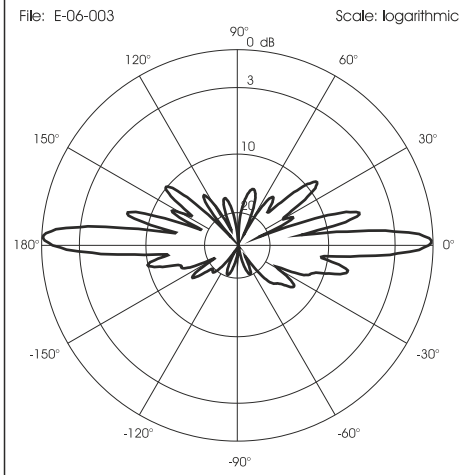


SCO-3.3-10

TYPICAL S.W.R. RESPONSE



TYPICAL RADIATION PATTERN IN E-PLANE at 3550 MHz



SIRIO antenne

HI-QUALITY ANTENNAS MADE IN ITALY

OMNI LTE 3.3-3.8, WiMax, IEEE 802.16

SCO-3.3-7 SCO-3.3-10

SHF Base Station Antenna 3300 - 3800 MHz

SCO-3.3-7

SCO-3.3-10

Installation Manual

DESCRIPTION

Base station antenna working on 3.3-3.8 GHz conceived for LTE and WiMax systems. The radiant element is made of PTFE PCB to guarantee high power and low losses and it is protected by a fiberglass tube ended with N-female connection. It's supplied with an aluminium bracket for an easy installation on the mast.

SPECIFICATIONS

Electrical Data

Type	: Collinear Dipole Array	
Frequency Range	: 3300-3800 MHz LTE and Wi-Max systems	
Impedance	: 50 Ω	
Polarization	: Linear Vertical	
Max Gain	: SCO-3.3-7	7 dBi
	SCO-3.3-10	10 dBi
3 dB Beamwidth Vertical	: SCO-3.3-7	17° @ 3550 MHz
	SCO-3.3-10	10° @ 3550 MHz
Beamwidth Horizontal	: 360° omnidirectional	
Downtilt	: 0°	
SWR in Bandwidth	: ≤ 1.5	
Max Power	: 10 Watts (CW) @ 30° C	
Grounding Protection	: All metal parts are DC-grounded, the inner conductor shows a DC-short	
Connector type	: N-female, gold plated central pin	

Mechanical Data

Housing Materials	: Aluminium, Stainless Steel, Chromed Brass	
Radome Material	: White Fiberglass	
Wind Load / Resistance	: 21N @ 150 Km/h / 200 Km/h	
Wind Surface	: 0.02 m^2	
Height (approx.)	: SCO-3.3-7	325 mm
	SCO-3.3-10	630 mm
Weight (approx.)	: SCO-3.3-7	350 gr
	SCO-3.3-10	410 gr
Operating Temperature	: -40° C to 80° C	
Mounting Mast	: Ø 35-54 mm	

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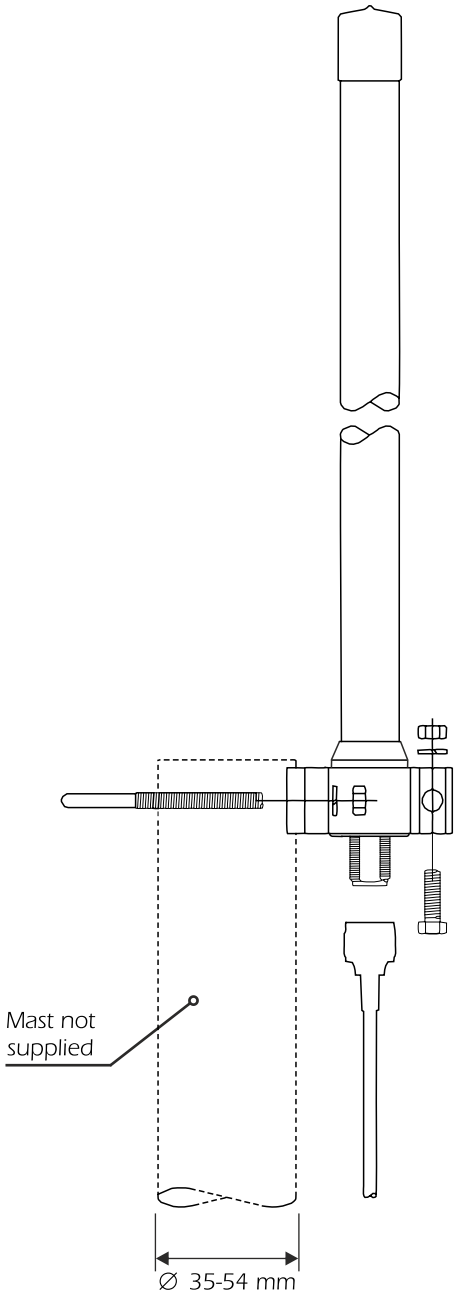
HI-QUALITY ANTENNAS MADE IN ITALY

MOUNTING INSTRUCTIONS



Fixing bracket:

Fixing bracket part list	
Q.ty	*Description*
1	Extruded aluminium bracket
1	M6x188 V-bolt
1	M6x20 Exagonal head screw
3	M6 Spring lock washer
3	M6 Hexagonal nut
Materials:	extruded aluminum
Hardware:	stainless steel
Dimensions:	80 x 76 x 25 mm
Weight:	110 g
Re-order code: SA161	