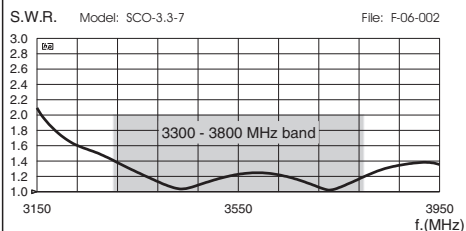


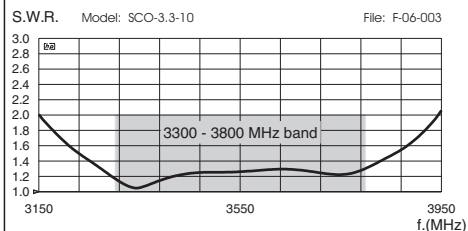
SCO-3.3-7

TYPICAL S.W.R. RESPONSE



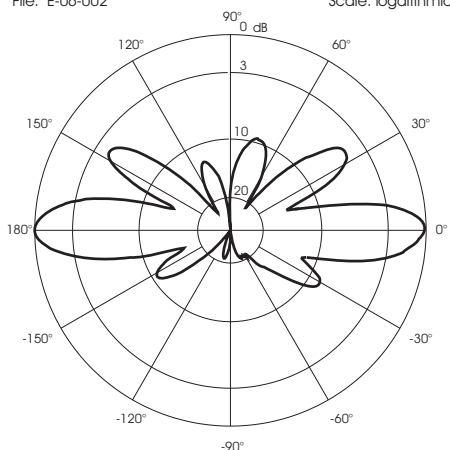
SCO-3.3-10

TYPICAL S.W.R. RESPONSE



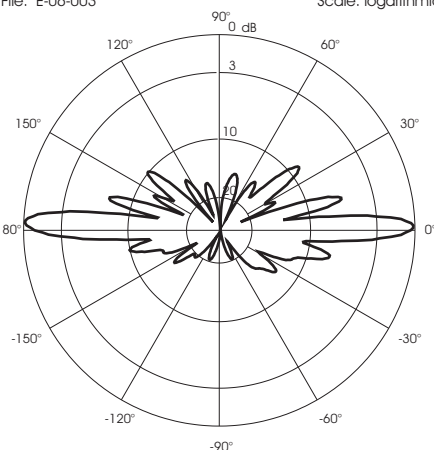
TYPICAL RADIATION PATTERN IN E-PLANE at 3550 MHz

File: E-06-002 Scale: logarithmic



TYPICAL RADIATION PATTERN IN E-PLANE at 3550 MHz

File: E-06-003 Scale: logarithmic



OMNI WI-MAX

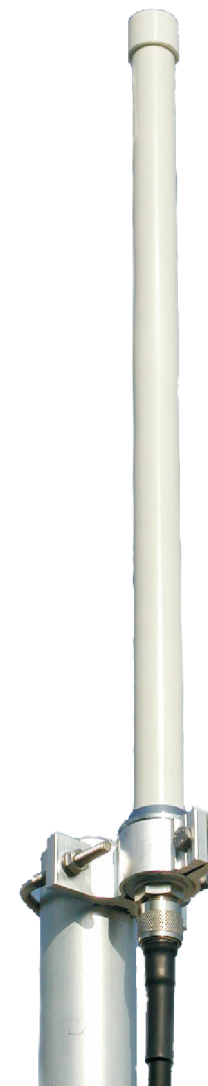
SCO-3.3-7

SCO-3.3-10

SHF Base Station Antenna 3300 - 3800 MHz



SCO-3.3-7



SCO-3.3-10



HI-QUALITY ANTENNAS MADE IN ITALY

DESCRIPTION

Base station antenna working on 3.3-3.8 GHz conceived for EU Wi-Max system. The radiant element is made of Teflon® PCB to guarantee high power and low losses and it is protected by a fibreglass tube. 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 for EU Wi-Max system
Impedance	: 50
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 m²
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	: 35-54 mm

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	

