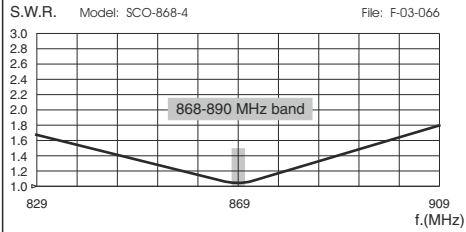
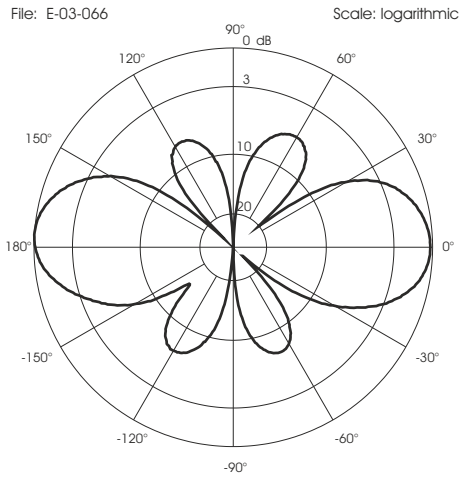


## SCO-868-4

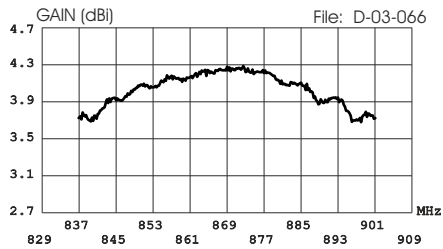
TYPICAL S.W.R. RESPONSE



TYPICAL RADIATION PATTERN at 868 MHz

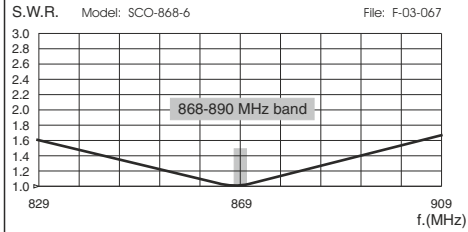


TYPICAL GAIN DIAGRAM vs FREQUENCY

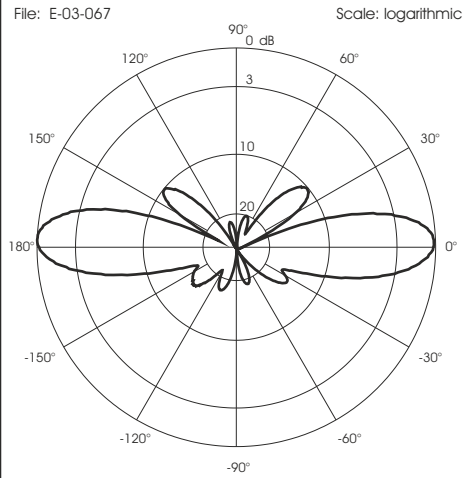


## SCO-868-6

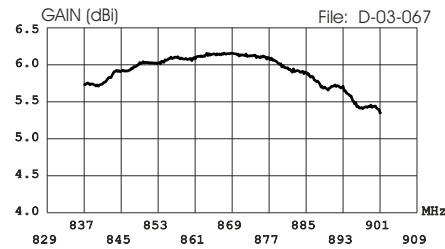
TYPICAL S.W.R. RESPONSE



TYPICAL RADIATION PATTERN at 868 MHz



TYPICAL GAIN DIAGRAM vs FREQUENCY



## SCO-868-4

## SCO-868-6

Base Station Antennas ISM 868 band



SCO-868-4  
N-m

SCO-868-4

SCO-868-6



HI-QUALITY ANTENNAS MADE IN ITALY

## SPECIFICATIONS

	SCO-868-4 N-m conn.	SCO-868-4 N-f conn.	SCO-868-4 cable version	SCO-868-6 N-f conn.	SCO-868-6 cable version
Electrical Data					
Type	2 x 1/2 λ. Colinear			3 x 1/2 λ. Colinear	
Frequency Range @ SWR ≤ 1.5	868 - 870 MHz (ISM 868 system)				
Impedance	50 Ω				
Radiation (H-plane)	360° omnidirectional				
Radiation (E-plane)	Beamwidth @ -3 dB: 32°			Beamwidth @ -3 dB: 22°	
Radiation angle deg.	0°				
Polarization	Linear Vertical				
Gain	2.2 dBd, 4.3 dBi			4.1 dBd, 6.2 dBi	
Max Power (CW) @ 30° C	20 Watts				
Cable Type	/	/	White Low Loss	/	White Low Loss
Cable Length	/	/	5m, 16.4 ft	/	5m, 16.4 ft
Connector	N-male gold plated pin	N-female gold plated pin	SMA-m other on request	N-female gold plated pin	SMA-m other on request

Mechanical Data					
Housing & Radome Material	Fiberglass, PCB, Chromed Brass				
Bracket & Hardware Material	/	Galvanized steel			
Wind Load @150Km/h,93mi/h	35 N		41 N		
Wind Resistance	140 Km/h, 87 mi/h		120 Km/h, 75 mi/h		
Wind Surface	0.0243 m <sup>2</sup> ; 0.25 ft <sup>2</sup>		0.03 m <sup>2</sup> ; 0.32 ft <sup>2</sup>		
Height (approx.)	500 mm, 1.65 ft		770 mm, 2.5 ft		
Weight (without bracket, approx.)	280 gr, 0.6 lb	280 gr, 0.6 lb	440 gr, 1 lb	330 gr, 0.7 lb	490 gr, 1.1 lb
Operating Temperature	-40 °C to +80 °C				
Ingress Protectio	IP 64				
Installation type	Direct router installation	M-3 bracket: Mast: Ø 35-42 mm, Ø 1.4-1.65 inch with U-bolt Wall: with screws (not included)			

## MOUNTING INSTRUCTIONS



HI-QUALITY ANTENNAS MADE IN ITALY

ID481

## MOUNTING INSTRUCTIONS

### SCO-868-4 N-f SCO-868-6 N-f

M-3 mast installation

Mast not supplied

REMARK!  
LOCK WELL

Ø35-42mm

M-3 wall installation

REMARK!  
LOCK WELL

N-female

REMARK!  
LOCK WELL

**Wall mount**  
(screws not included)

**SA299**  
Optional  
Protection  
Nut

### SO-868-4 w/cable SO-868-6 w/cable

M-3 mast installation

Mast not supplied

REMARK!  
LOCK WELL

Ø35-42mm

M-3 wall installation

REMARK!  
LOCK WELL

**Wall mount**  
(screws not included)

M-3 wall & mast BRACKET part list	
Q.ty	Description
2	M6 U-bolt
4	M6 Exagonal nut
4	M6 Flat washer
4	M6 Spring lock washer
1	Steel Bracket "M-3"
Materials:	galvanized steel
Dimensions:	195 x 60 x 70 mm
Weight:	420 g
Re-order: P/N 2503604.00	