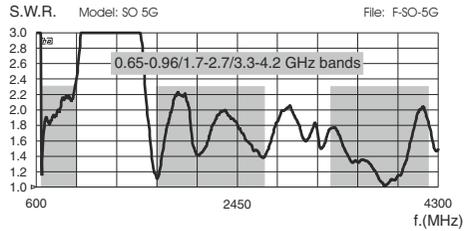
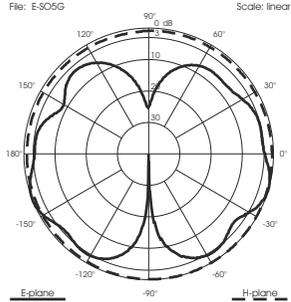


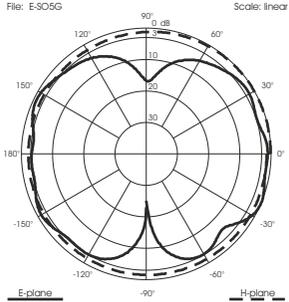
TYPICAL S.W.R. RESPONSE



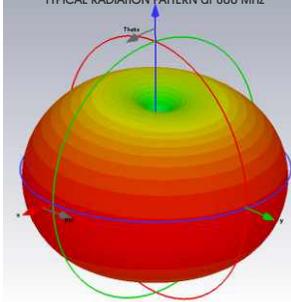
TYPICAL RADIATION PATTERN at 800 MHz



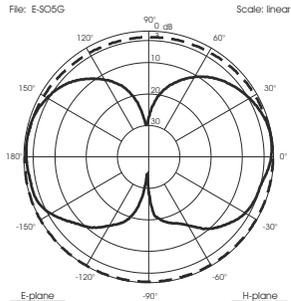
TYPICAL RADIATION PATTERN at 960 MHz



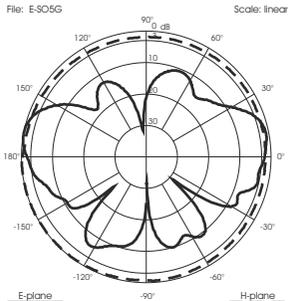
TYPICAL RADIATION PATTERN at 800 MHz



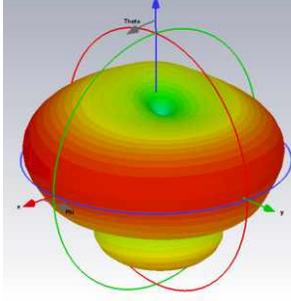
TYPICAL RADIATION PATTERN at 1795 MHz



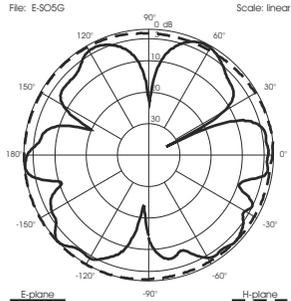
TYPICAL RADIATION PATTERN at 2400 MHz



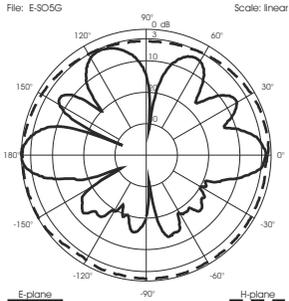
TYPICAL RADIATION PATTERN at 2400 MHz



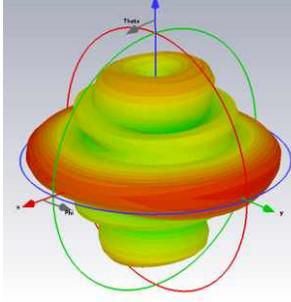
TYPICAL RADIATION PATTERN at 3300 MHz



TYPICAL RADIATION PATTERN at 4200 MHz



TYPICAL RADIATION PATTERN at 4100 MHz



SO 5G N-f connector

Sirio Omnidirectional Multi-Band

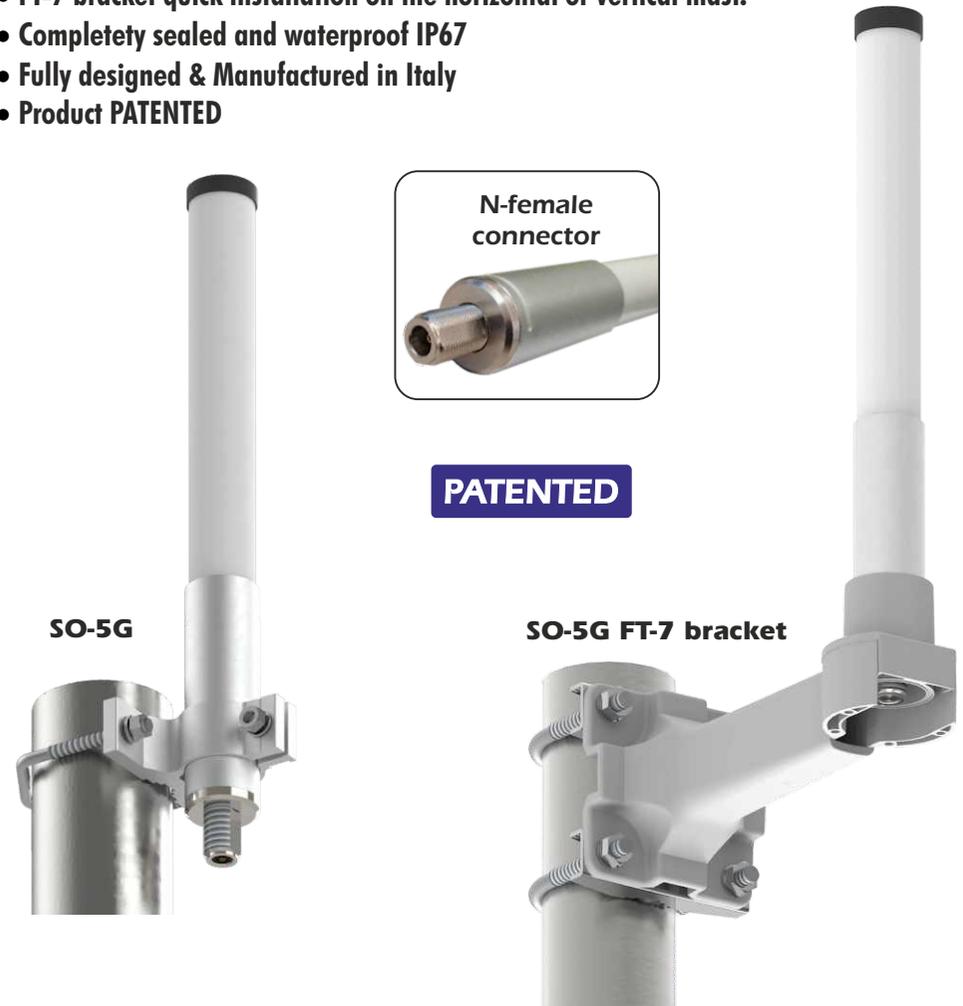
(650-960 MHz & 1.71-2.7 GHz & 3.3-4.2 GHz for 5G, W/Lan etc)

MAIN FEATURES

- Omnidirectional Wide Band Dipole antenna (from 650 to 4200 MHz).
- Working on 5G spectrum (2G-GSM, 3G-UMTS, 4G-LTE, 5G, WiFi, W-Lan etc).
- FT-7 bracket quick installation on the horizontal or vertical mast.
- Completely sealed and waterproof IP67
- Fully designed & Manufactured in Italy
- Product **PATENTED**



PATENTED



HI-QUALITY ANTENNAS MADE IN ITALY

SPECIFICATIONS

Electrical Data	SO-5G N-f	SO-5G N-f, FT-7 bracket
Type	Wide Band Dipole	
Frequency Range	650 ÷ 960 MHz, 1.7 ÷ 2.7 GHz, 3.3 ÷ 4.2 GHz (5G, 4G-LTE, W-lan etc.)	
Impedance	50 Ω	
Radiation (H-plane)	360° omnidirectional	
Radiation (E-plane) Beamwidth @ -3 dB:	see diagrams	
Radiation angle deg.	0°	
Polarization	Linear Vertical	
Gain	650 ÷ 960 MHz =	2.1 dBi
	1.7 ÷ 2.7 GHz =	4 ÷ 6 dBi
	3.3 ÷ 4.2 GHz =	6 ÷ 8 dBi
Max Power (CW) @ 30° C	10 Watts @ 650 ÷ 960 MHz	5 Watts @ 1.7 ÷ 4.2 GHz
Connector	N-female, gold plated central pin	

Mechanical Data

Housing & Radome Material	Fiberglass, PCB, Anodized aluminium, Nickel plated brass	
Bracket & Hardware Material	Aluminium, Stainless steel	Stainless steel, Molded Plastic
Wind Load @ 150 Km/h, 93 mi/h	14 N	27 N
Wind Resistance	200 Km/h, 124 mi/h	200 Km/h, 124 mi/h
Wind Surface	0.012 m ² ; 0.129 ft ²	0.018 m ² ; 0.19 ft ²
Dimensions (approx.)	D x H: 32 x 320 mm, 1.2in x 1ft	LxWxH: 90x200x370 mm; 3.5x7.9x14.5 in
Weight (whit bracket, approx.)	360 gr, 0.8 lb	680 gr, 1.5 lb
Operating Temperature	-40 °C to +80 °C	
Ingress Protection	IP 67	
Installation type	Vertical mast: Ø 35 ÷ 60 mm, Ø 1.4 ÷ 2.4 inch with V-bolt Wall: with screws (not included)	Horizontal or Vertical mast: Ø 35 ÷ 60mm, Ø 1.4 ÷ 2.4 inch with U-bolt Wall: with screws (not included)

SO 5G Fixing Accessories List

Re-order code: SA303

Pos	Q.ty	Description
A	1	M6x206 V-bolt
B	1	Extruded aluminium bracket
C	1	M6x20 Exagon head screw
D	3	M6 spring lock washers
E	3	M6 hexagonal nuts

Mounting needed tools:

10 mm open key

SO 5G w/ FT-7 Fixing Accesories List

Re-order code: WKI00044+WKI0045

Pos	Q.ty	Description
1	4	Inox screws torx TX20
2	2	M8x97 mm U-bolts
3	2	Stainless steel bracket
4	4	M8 spring lock washers
5	4	M8 hexagonal nuts

Mounting needed tools:

Torx TX 20 key
13 mm open key

MOUNTING INSTRUCTIONS

