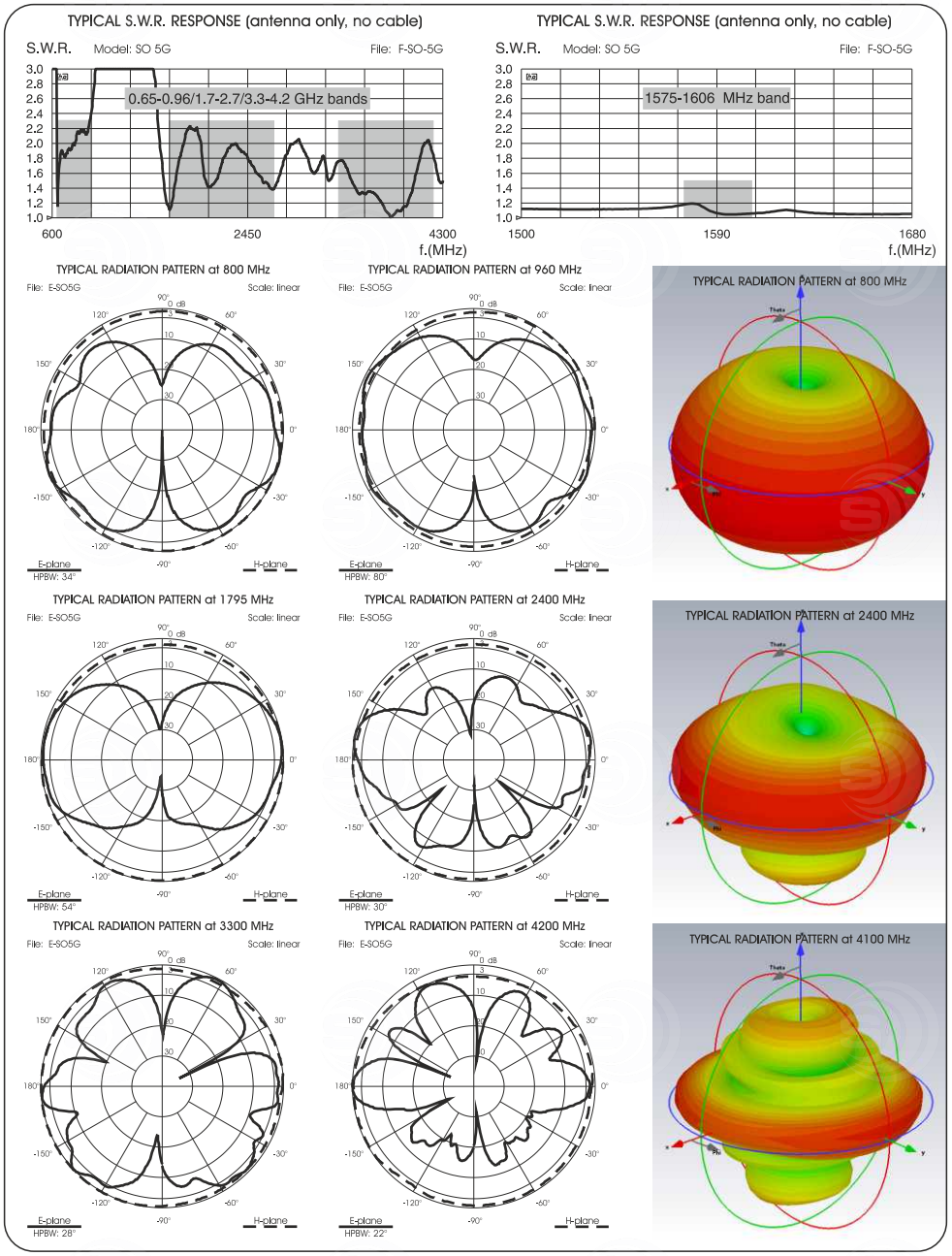


SIRIO antenne

HI-QUALITY ANTENNAS MADE IN ITALY

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SO-5G & GPS

Sirio Omnidirectional Multi-Band

(5G bands & GPS/Glonass/... service)

MAIN FEATURES

- Combined Omnidirectional Wide Band Dipole antenna & preamplified GPS module
- Working on 5G spectrum (2G-GSM, 3G-UMTS, 4G-LTE, 5G, WiFi, W-Lan etc).
- Working on GPS/GLONASS/QZSS/Galileo/L1
- New FT-7 plasitc bracket for installation on the horizontal or vertical mast.
- Completety sealed and waterproof IP67
- Dsigned & Manufactured in Italy
- Fully assembled supply
- Product is PATENTED



PATENTED TECHNOLOGY

Installation Manual

SPECIFICATIONS

Electrical Data	SO-5G & GPS
Type	***Cellular:*** Wide Band Dipole ***GPS:*** ceramic chip
Frequency Range	***Cellular:*** 650÷960 MHz, 1.7÷2.7 GHz, 3.3÷4.2 GHz (5G, 4G-LTE, W-lan etc.) ***GPS:*** 1575÷1606 MHz (GPS/GLONASS/QZSS/Galileo/L1)
Impedance	50 Ω
Radiation (H-plane)	***Cellular:*** 360° omnidirectional; ***GPS:*** Hemispherical
Radiation (E-plane) Beamwidth @ -3 dB:	***Cellular:*** see diagrams
Radiation angle deg.	***Cellular:*** see diagrams
Polarization	***Cellular:*** Linear Vertical; ***GPS:*** RHCP
Antenna Gain	***Cellular:*** 650÷960 MHz = 2.1 dBi; 1.7÷4.2 GHz = 4÷6 dBi ***GPS:*** 3 dBi (approx)
Isolation	> 19 dB @ 650÷960 MHz > 25 dB @ 1.7÷4.2 GHz
Max Power (CW) @ 30° C	***Cellular:*** 10 Watts @ 650÷960 MHz; 5 Watts @ 1.7÷4.2 GHz ***GPS:*** receiving only
GPS: Amplifier Gain	28 dB @ Vcc= 5 V
GPS: Supply Voltage	3 ÷ 5 Vcc (+V on center pin "GPS" connector)
GPS: Current consumption	10 mA (approx)
GPS: Noise Figure	< 1.8 dB
Cable Lenght / Cable Type / Connector	2x 5m; 16.4 ft other on request / White Low loss / 2x SMA-male, other on request

Mechanical Data	
Housing & Radome Material	Fiberglass, PCB, Anodized aluminium, Nickel plated brass
Bracket & Hardware Material	FT-7 Molded Plastic, Stainless steel
Wind Load @ 150 Km/h,93 mi/h	37 N
Wind Resistance	200 Km/h, 124 mi/h
Wind Surface	0.027 m^2; 0.29 ft^2
Dimensions (approx.)	L x W x H: 90 x 200 x 370 mm; 3.5 x 7.9 x 14.5 in
Weight (whit bracket, approx.)	1150 gr, 2.5 lb
Operating Temperature	-40 °C to +80 °C
Ingress Protection	IP 67
Installation type	Horizontal or Vertical mast: ∅ 35÷60mm, ∅ 1.4÷2.4 inch with U-bolt Wall: with screws (not included)

Mounting needed tools:
13 mm open key

Fixing Accesories Parts List
Re-order code: WKI00044

Pos	*Q.ty*	*Description*
1	2	M8x97 mm U-bolts
2	2	Stainless steel bracket
3	4	M8 spring lock washers
4	4	M8 hexagonal nuts

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MOUNTING INSTRUCTIONS

