



SIRIO
antenne

Head Office and Facilities
Via Liguria, 15 - 46049 Volta Mantovana (MN) ITALY
Tel. +39 0376 801515 - <https://www.sirioantenne.it>
mail: sales@sirioantenne.it - info@sirioantenne.it

New SO 5G MIMO



868
MHz

GSM

WiFi
2.4GHz

4G

5G

MiMo

HIGH
GAIN

Sirio Antenne has engineered and **patented** the new **SO-5G MIMO** to meet the requirements of next-generation networks, combining excellent build quality, advanced technology, and high performance. Designed and manufactured in accordance with strict quality standards, this antenna uses high-quality materials, resistant to environmental stress, to ensure reliability and long-term durability, even in critical installations.

The patented SO-5G MIMO model is the result of extensive design work, achieving an **extremely low correlation coefficient (ECC < 0.003)** and excellent isolation between channels, ensuring high data throughput. The radiation patterns are engineered to provide efficient coverage and stable links, in both urban and industrial environments.

Strong RF performance, combined with a compact and functional design, makes the new Sirio range an ideal solution for high-performance 5G networks, IoT applications, FWA, and professional infrastructures, confirming the company's commitment to delivering reliable, innovative, and future-oriented solutions.

Electrical data

	2118220/5SMA SO 5G MIMO 2X 2-8DBI 5MRF/SMA-M FT7 NYLON BRACKET
Type	Multi Band Dipole Array
Frequency range	650 ÷ 960 MHz / 1.7 ÷ 2.7 GHz / 3.3 ÷ 4.2 GHz
Impedance (ohm)	50
Radiation	360° Omnidir.
Polarization	Linear Vertical
Gain (Approx)	650÷960 MHz = 2,1 dBi 1.7÷4.2 GHz = 4 ÷ 6 dBi
Correlation coefficient (ECC)	< 0.003
Ingress Protection (IP)	IP 67
Cable Type & length	2 x Low Loss 5mt
Connector	2 x SMA-Male
Mounting	FT-7 Bracket

Mechanical data

Housing & radome Materials	Fiberglass, anodized aluminium, molded plastic
Bracket & Hardware materials	Molded plastic, stainless steel
Dimensions HxWxL (approx.)	LxWxH: 90x200x610 mm
Bracket Length (approx.)	200 mm
Installation Type	Pole: Ø 35 ÷ 60 mm Wall: screws (not included)

Measured values excluding cable losses

MADE IN ITALY Since 1972

New SO 5G

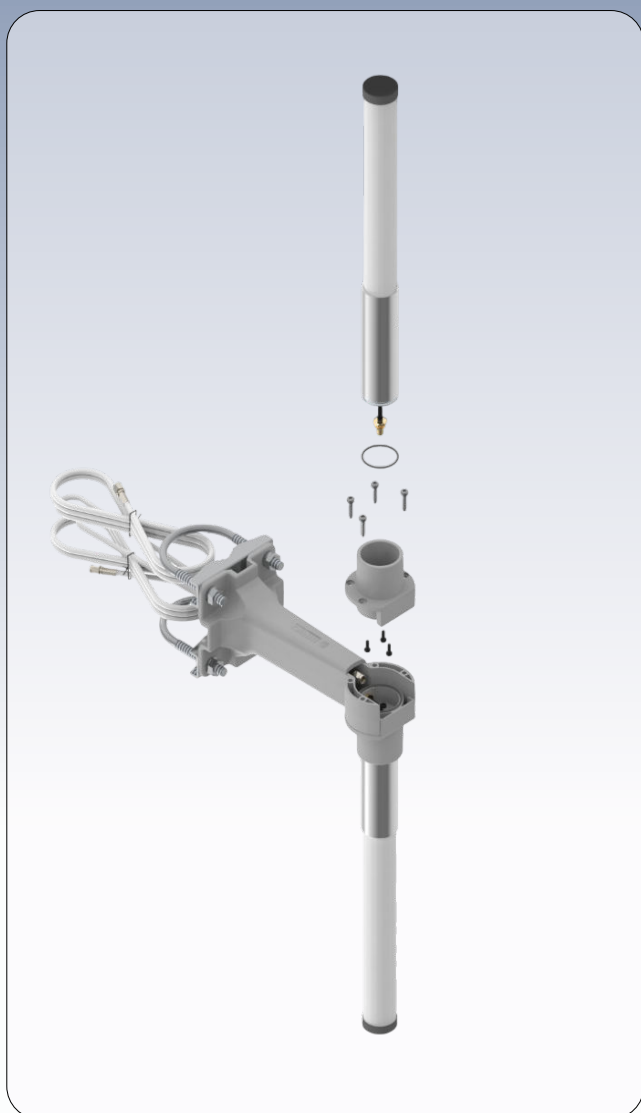
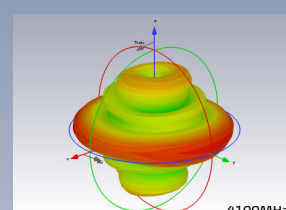
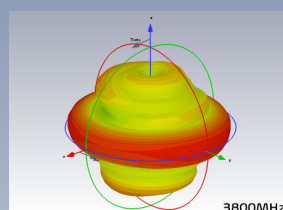
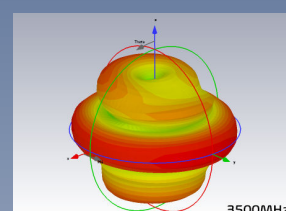
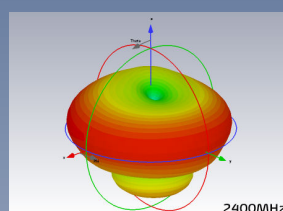
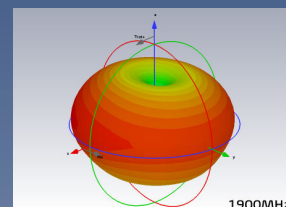
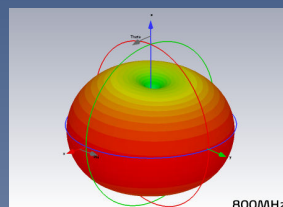
MIMO



Frequency-Independent Maximum Gain close to 0°

The core advantage of this **patented** antenna is its beam stability: the maximum gain remains close to 0° across the entire frequency range

- **Zero Beam Squint:** The main lobe never shifts, regardless of frequency changes.
- **Consistent Precision:** Maximum power is always locked on the boresight axis.
- **Simplified Alignment:** One single pointing ensures peak performance across all bands.



The new FT-7 bracket is designed for both wall and mast installation, **supporting both horizontal and vertical mast mounting 36 to 60 mm size**. Thanks to its structural strength, tested for a **maximum load of 50 kg**, the component ensures reliability in all configurations. The built-in cavity allows the protected cable routing, optimising the overall reliability and durability of the system.