

Satelcom LoRa Omni Antenna

Part Number: STANT-Omni-5.8dbi

Frequency: 863 – 870 MHz | Gain: 5.8 dBi | Connector: SMA (Female)

NBLoT / LoRa 863-870MHz Wireless Application, M2M / ISM Band Application, Automotive, Geographic Surveying, Sport and Recreation Application.

The Satelcom Omni Antenna, which is designed in the range of 863-870MHz, is widely used as coverage in the ISM band. Provides stable and excellent performance with the pattern of 360° spread.

NBIT / LORA 868-870MHz Wireless applications in M2M / ISM tape applications, smart agricultural applications, home automation, workplace ERP applications, traffic and road information systems are available in wireless communication applications with sensors in traffic and road information systems.

Satelcom Omni antenna is designed in accordance with the definitions of the Euro Region Frequency Plan (EU863-870).

Uplink:

- 868.1 - SF7BW125 to SF12BW125
- 868.3 - SF7BW125 to SF12BW125 and SF7BW250
- 868.5 - SF7BW125 to SF12BW125
- 867.1 - SF7BW125 to SF12BW125
- 867.3 - SF7BW125 to SF12BW125
- 867.5 - SF7BW125 to SF12BW125
- 867.7 - SF7BW125 to SF12BW125
- 867.9 - SF7BW125 to SF12BW125
- 868.8 - FSK

Downlink:

- Uplink channels 1-9 (RX1)
- 869.525 - SF9BW125 (RX2)



Electrical Specifications

Part Number	STANT-Omni-5.8dbi
Frequency	863-870 MHz
Gain	5.8 dBi
VSWR	≤ 1.2
Beam Width (H)	360°
Beam Width (V)	34°
Impedance	50 Ω

Mechanical Specifications

Connector	SMA (Female), IP67
Dimensions	Φ20 x 610mm
Weight	<0.5 kg
Color	Black
Housing material	PVC (UV)
IP Level	Outdoor, IP67
Temperature	-40°C~ +60°C
Installation Method	Wall or Pipe Mount (Galvanized)

Disclaimer: All images are for reference purposes only

Revised | April 20 2022 (V4)

Important Notice: Information contained in this data sheet is believed to be reliable at the date of issue, however accuracy and completeness is not guaranteed. Satelcom holds the right to change the product specifications without notice.

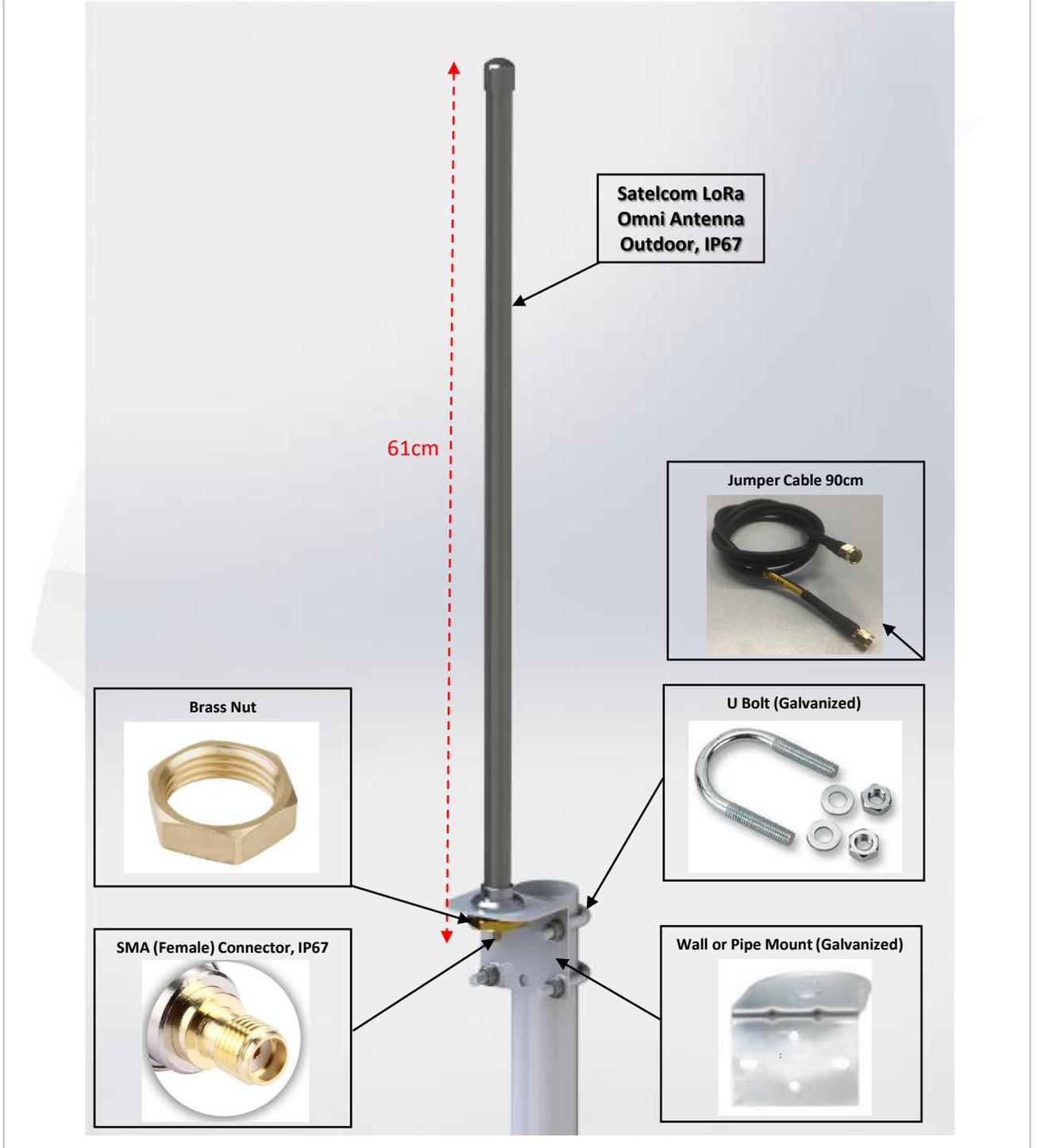


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Product Pictures



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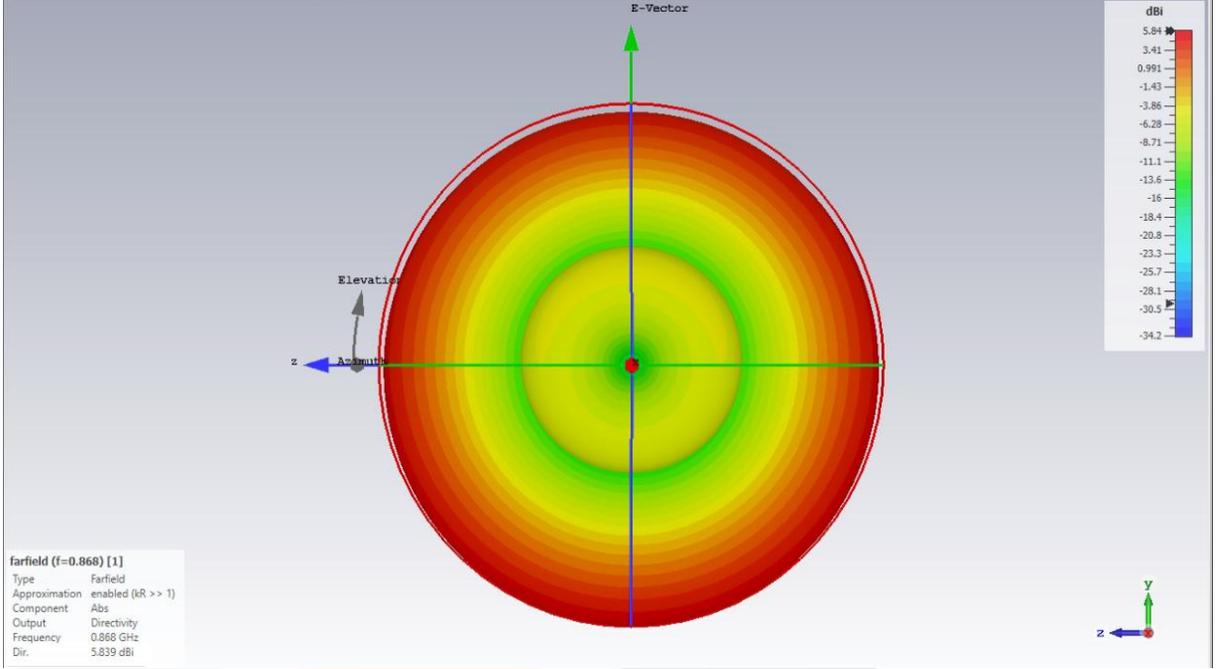


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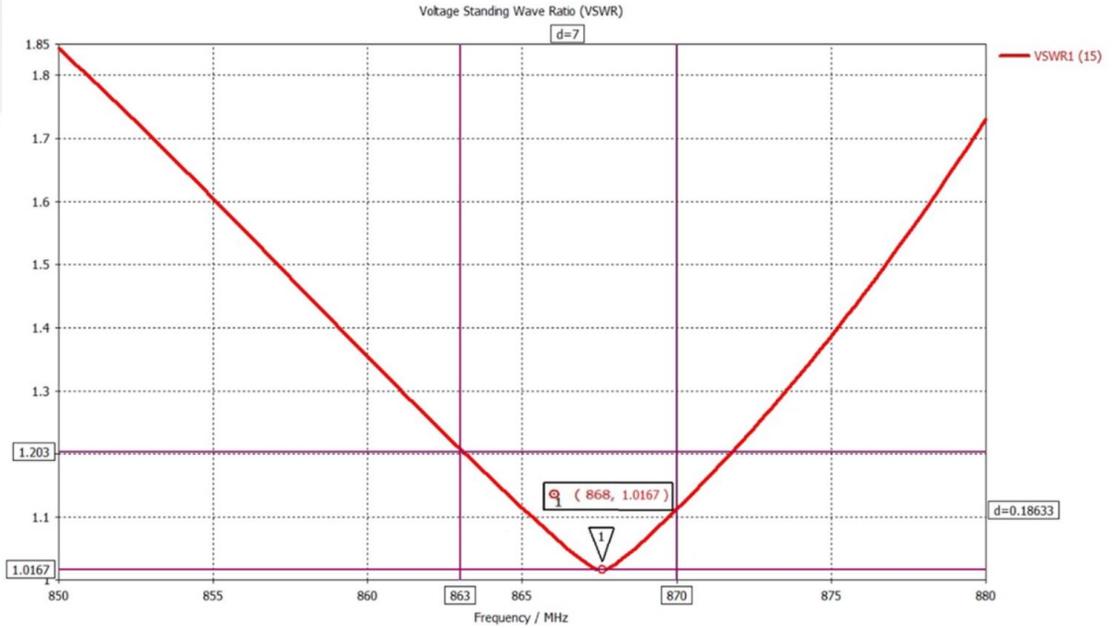
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Radiation Pattern



VSWR (Voltage Standing Wave Ratio)



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