

Datasheet

LoRa 868MHz

Outdoor / Indoor



Stick Antenna

Features:

It's made of fiberglass with high performing LoRa antenna with N-type connector for out / indoor applications, also certified with IP67

Applications:

- CPE Router, Set top boxes & Gateway
- IoT devices
- Sigfox
- LoRa
- LPWAN
- RFID
- Remote Monitoring
- Healthcare



Electrical Specifications

Antenna Characteristics

Antenna Type	Radiation Pattern	Polarization	Max. Input Power	Impedance
Stick Antenna	Omni	Linear	200W	50Ω
Frequency (GHz)		863~873		
Return Loss (dB)		< -14		
Peak Gain (dBi)		2.2		
Average Gain (dB)		-0.8		
Efficiency (%)		82		

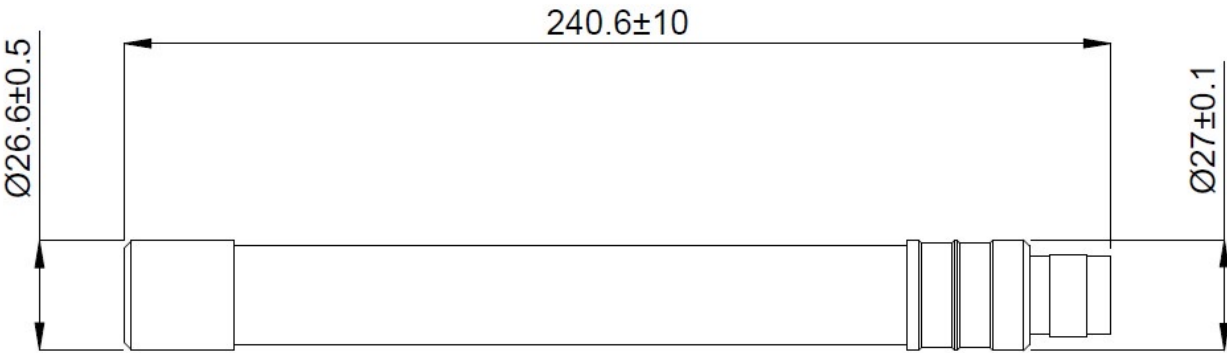
Mechanical Specifications

Mechanical	
Dimension (mm)	240.6
Connector Type	N-type (Plug)
Material	Glass fiber
Weight (g)	210.0

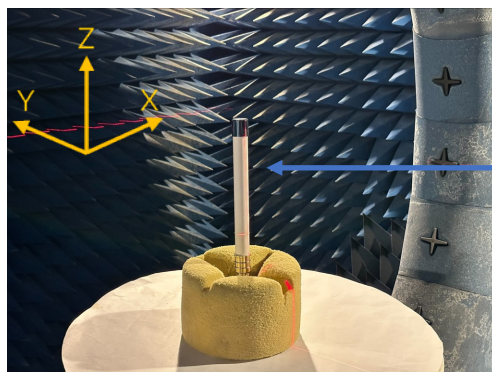
Environmental	
Temperature Range (°C)	-40 to 60
IP Rating	IP67
RoHS Compliant	

Mechanical Drawing

Unit : mm

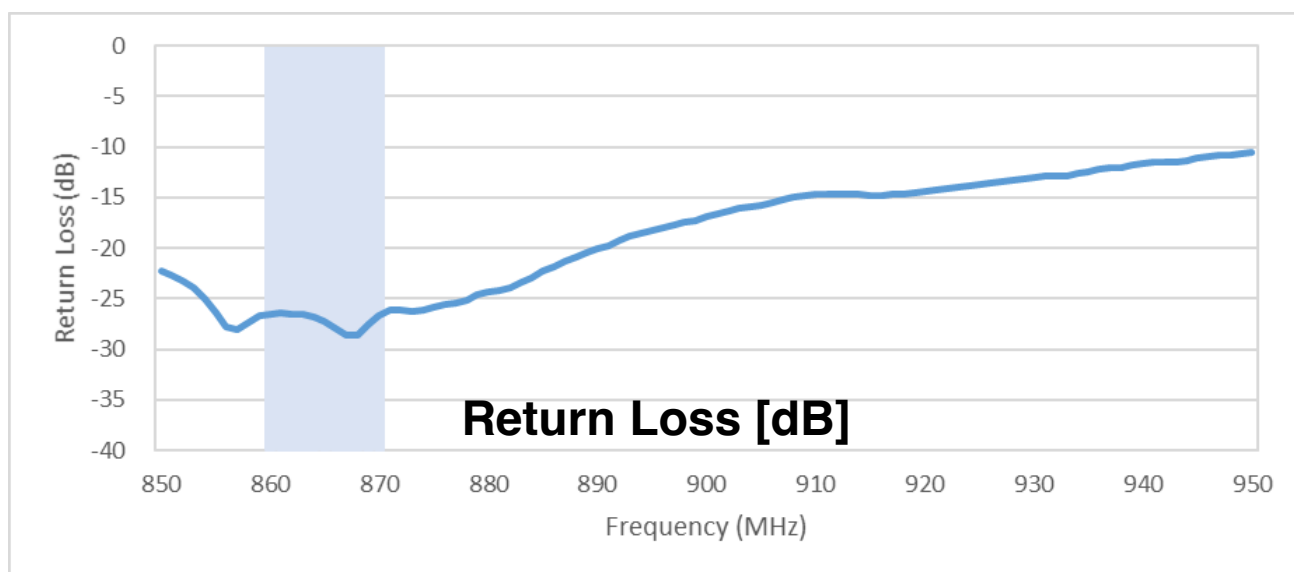


Charts In Free Space

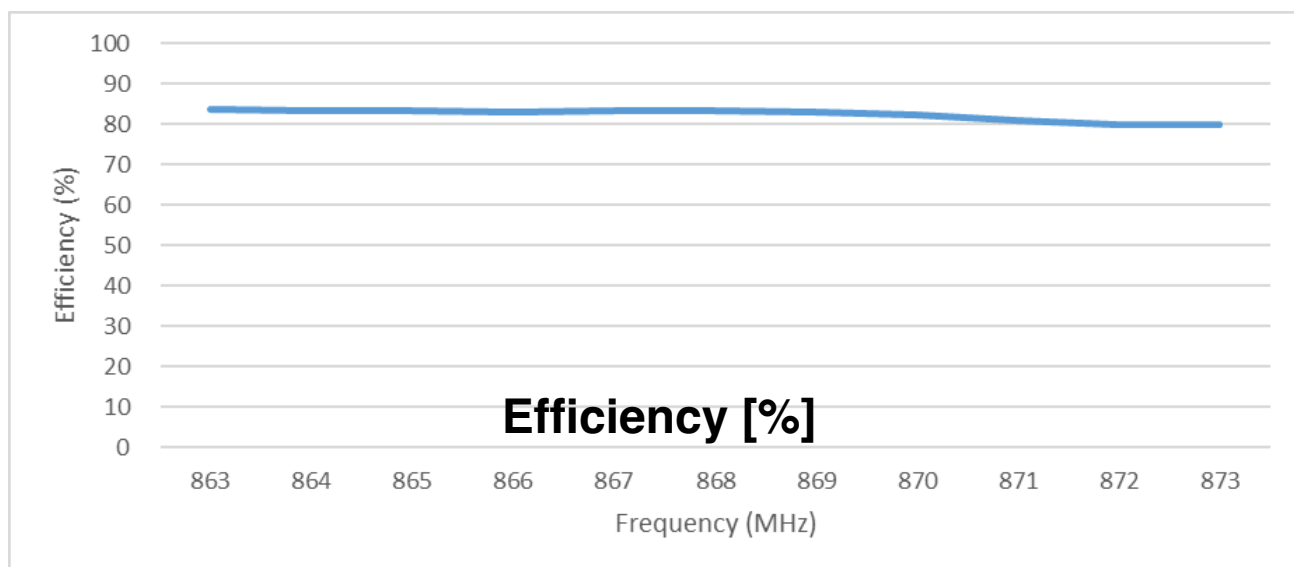


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Test setup, measurement performed in 3D anechoic chamber.

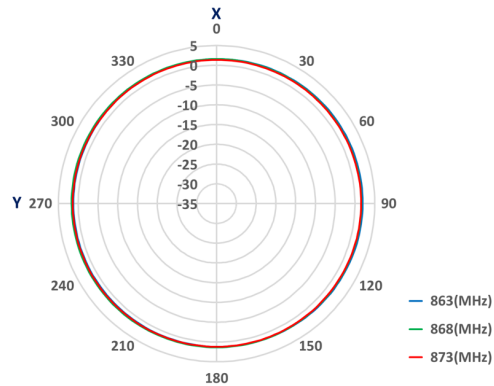


Blue background represents frequency response.

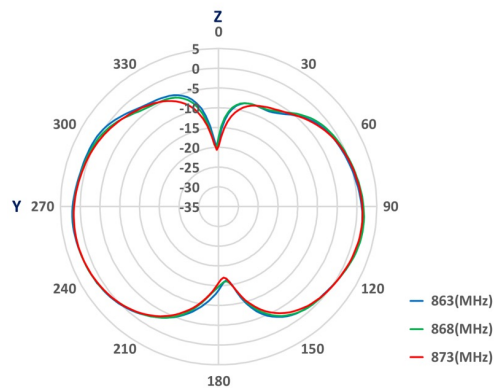


Radiation Pattern - Free Space

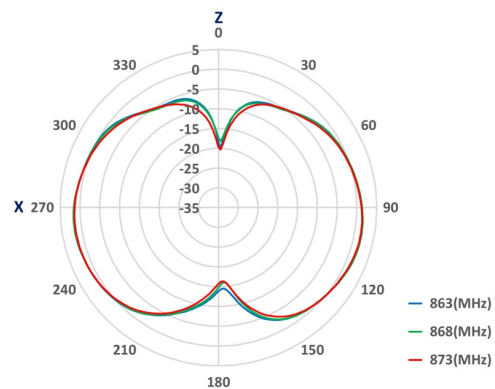
XY - Plane



YZ - Plane



XZ - Plane



Revisions				
Rev.	Description	Date	ECN	Approval
A	Initial Release	2023-03-15	ST0626-41-302-B-RA00	ATC

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