

Datasheet

LoRa: 903-927 MHz
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(MHz)		903-927		
Return Loss (dB)		< -14		
Peak Gain(dBi)		4.44		
Average Gain (dB)		-0.6		
Efficiency (%)		86		

Mechanical Specifications

Mechanical

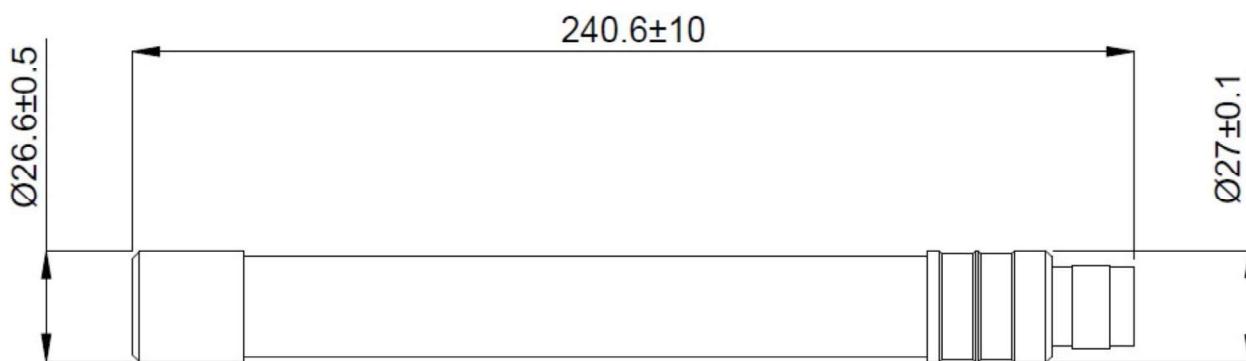
Dimension (mm)	240.6
Connector Type	N-type (Plug)
Material	Glass fiber
Weight (g)	210.0

Environmental

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

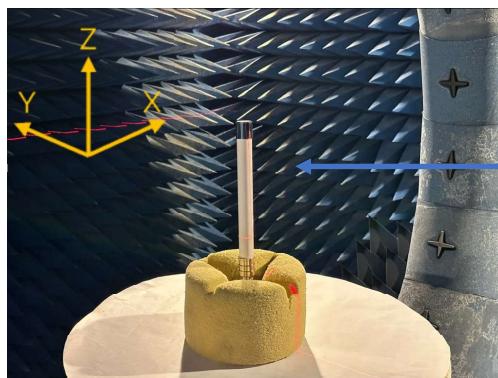
Mechanical Drawing

Unit : mm



ST0626-41-301-B

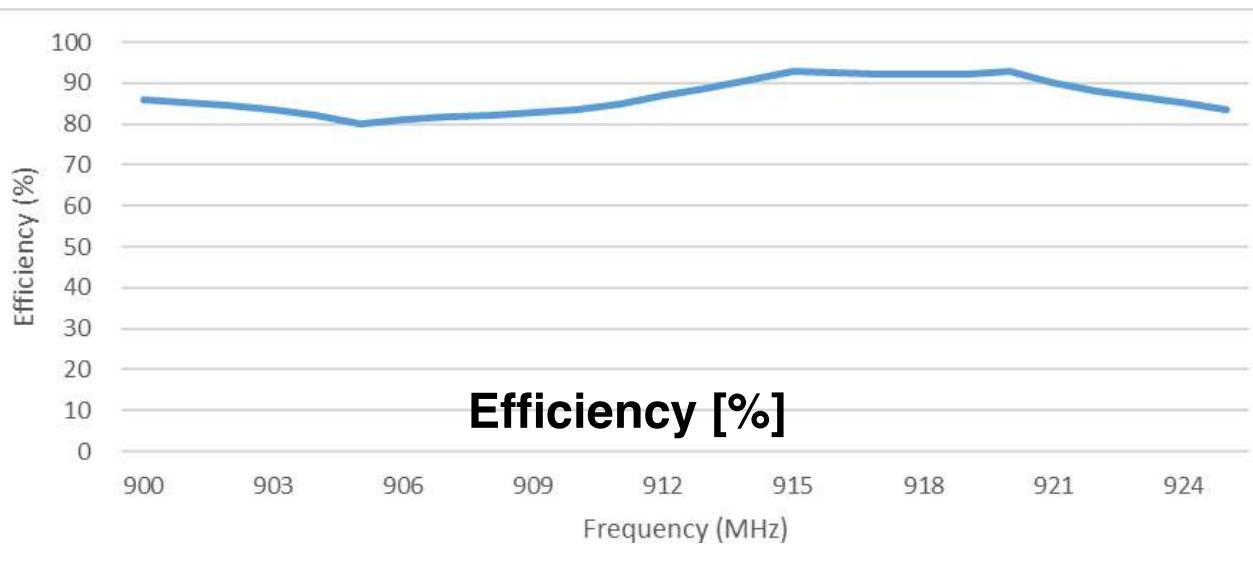
Charts In Free Space



Test setup, measurement performed in 3D anechoic chamber.

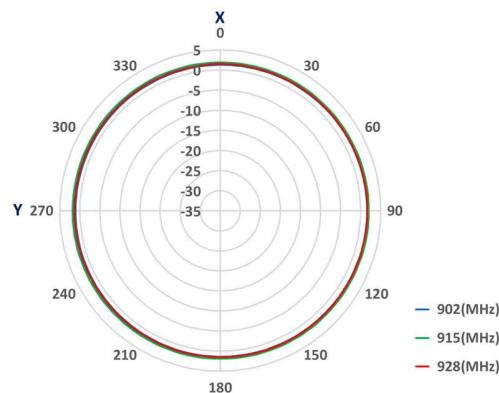


Blue background represents frequency response.

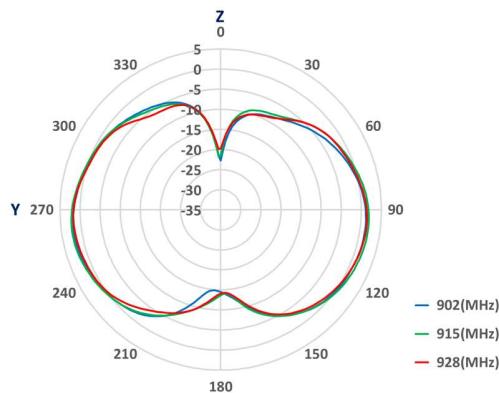


Radiation Pattern - Free Space

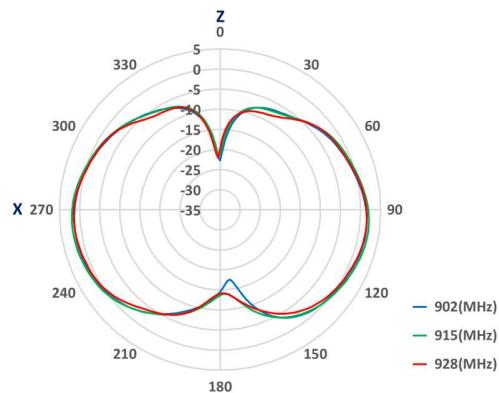
XY - Plane



YZ - Plane



XZ - Plane



Revisions

Rev.	Description	Date	ECN	Approval
A	Initial Release	2023-03-16	ST0626-41-301-B-RA00	ATC

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Declaration of Conformity to RoHS

Part Number:	ST0626-41-301-B
Description:	EXTRN ANT LORA 903-927 MHz
RoHS Status:	Compliant with Exemption 6C

This declaration of conformity is issued under the sole responsibility of Amphenol RF. This is to certify that the part/product listed above are in conformance with the EU Directive 2011/65/EU **as amended by (EU)2015/863**. The following table lists the restricted materials and their respective allowable limits:

RoHS Restricted Substance	Allowable Limit
Cadmium and its compounds	100 ppm (0.01 weight %)
Mercury and its compounds	1000 ppm (0.1 weight %)
Hexavalent chromium and its compounds	1000 ppm (0.1 weight %)
Lead and its compounds	1000 ppm (0.1 weight %)
Polybrominated biphenyls (PBB)	1000 ppm (0.1 weight %)
Polybrominated diphenyl ethers (PBDE)	1000 ppm (0.1 weight %)
Phthalates(DEHP, BBP, DBP, DIBP)	1000 ppm (0.1 weight %)

Exemptions exceeding the allowable limits per homogeneous material level are identified in link below. See current Directive and Annex III amendments for complete list of exemptions here:
<http://export.gov/europeanunion/weeerohs/rohsinformation/index.asp>

Compliance per EU standard EN IEC 63000 : 2018 - Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Signature:

Printed Name: Frederick M. Silva

Title: Quality Director

Date: July 15, 2025