

Datasheet**LoRa 868MHz - 930MHz**

External / in-building

**Stick Antenna****Features:**

High performing LoRa antenna with SMA connector for indoor applications.

Applications:

Indoor use
868MHz and 915MHz ISM band radios
IoT devices
Security
Sensors
Monitoring

**Electrical Specifications****Antenna Characteristics**

Antenna Type	Radiation Pattern	Polarization	Max. Input Power	Impedance
Stick Antenna	Omni	Linear	1W	50Ω

Frequency (MHz)	868~930
Return Loss (dB)	< -10
Peak Gain (dBi)	1.2 Typ.
Average Gain (dB)	-2.3
Efficiency (%)	59

Mechanical Specifications

Mechanical

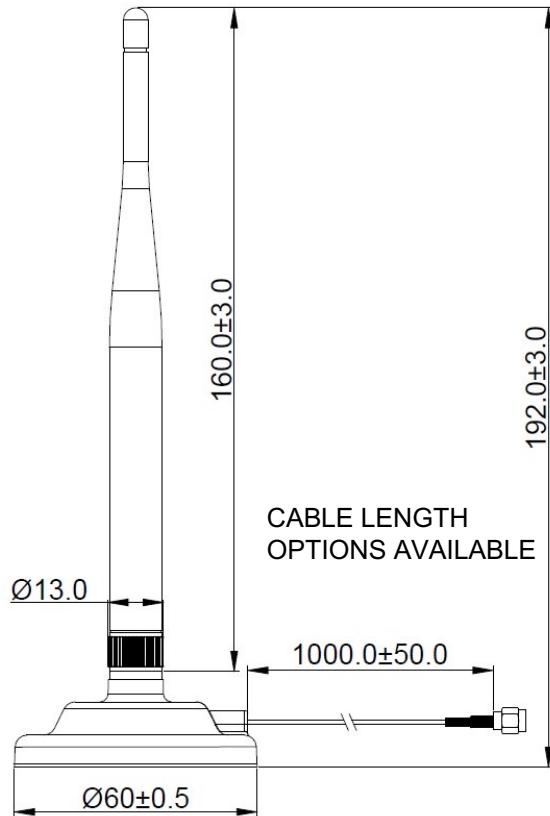
Dimension (mm)	Ø60.0 x 192.0
Connector Type	SMA (Plug)
Cable Type	RG-174
Mouting	Magnetic mount
Material	TPEE
Weight (g)	111.7

Environmental

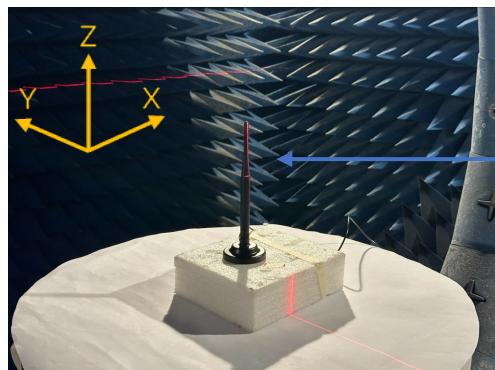
Temperature Range (°C)	-40 to 85
Humidity	Non-condensing 65°C 95% RH
	RoHS Compliant

Mechanical Drawing

Unit : mm

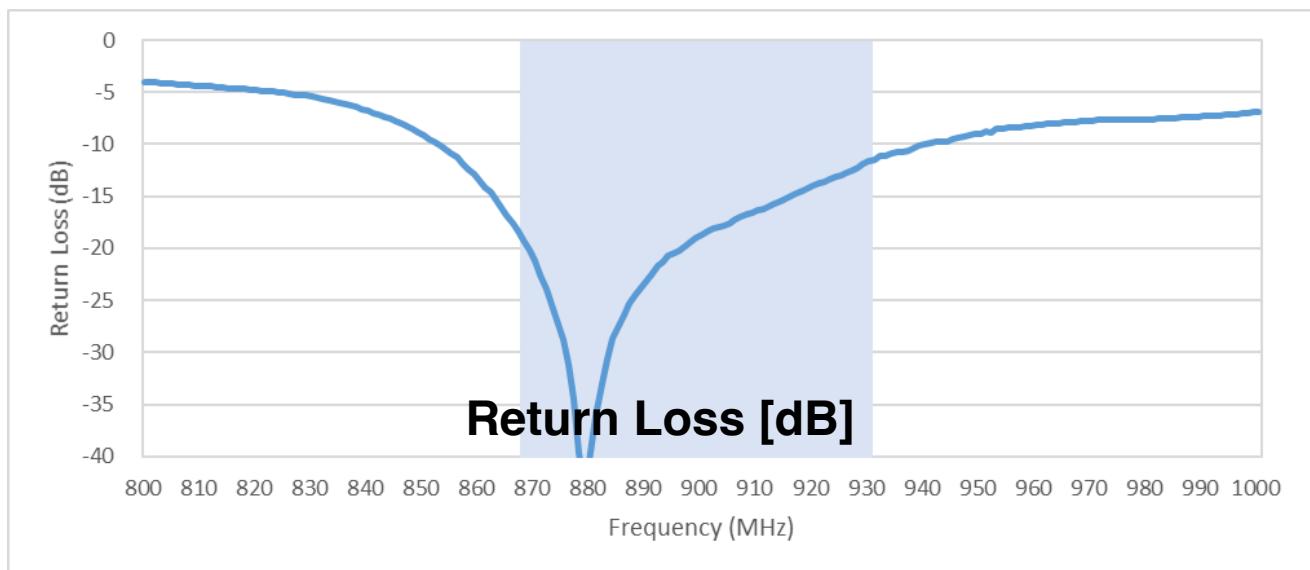


Charts In Free Space

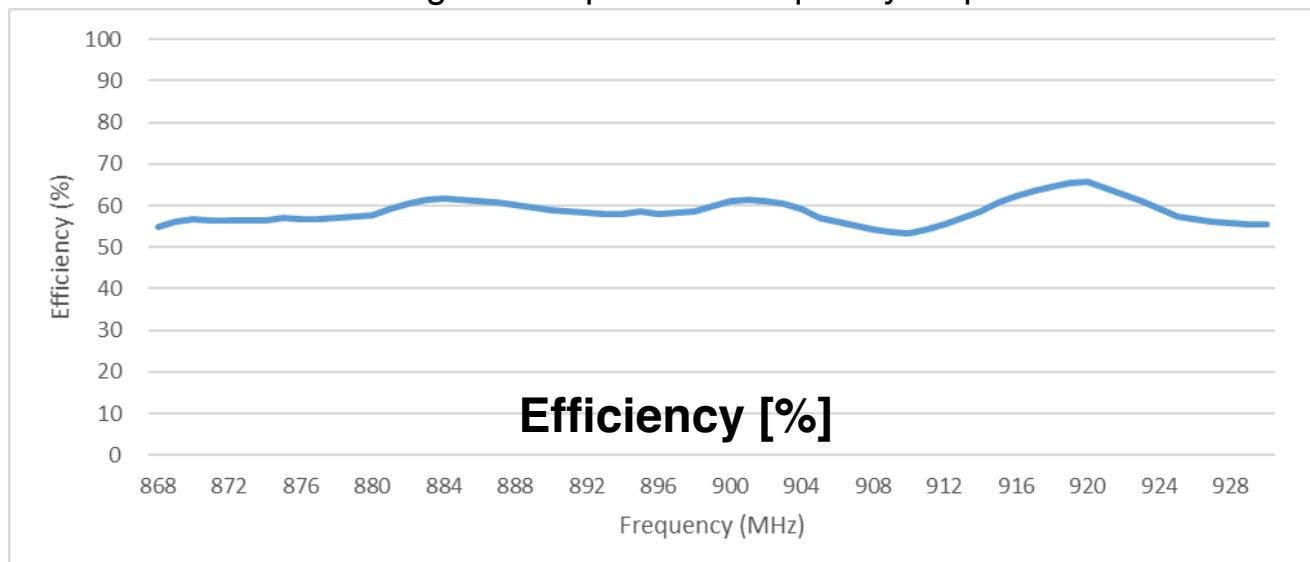


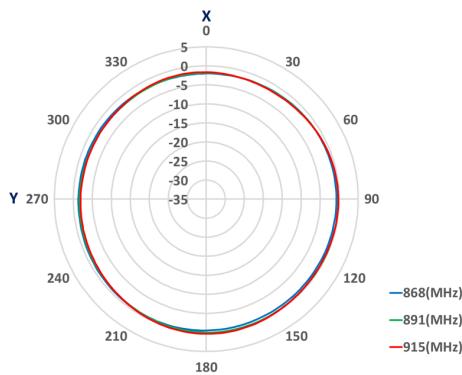
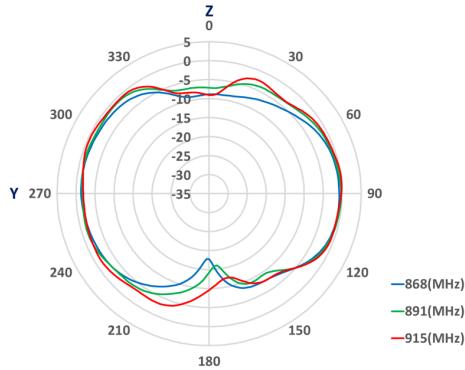
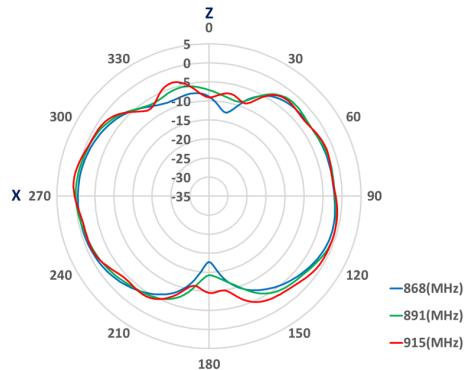
ST0656-32-001-A

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	2023-11-21	ST0656-32-001-A-RA00	ATC

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