

### Datasheet

## 0.69-0.96GHz & 1.7-2.7GHz

External / In-building



Stick Antenna

### Features:

High performing full 4G LTE band antenna with N-Type connector for Outdoor applications. IP67.

### Applications:

- CPE - Router, Set-top boxes & Gateway
- IoT devices
- 4G LTE Mesh
- Smart Metering
- Robotics



## Electrical Specifications

### Antenna Characteristics

Antenna Type	Radiation Pattern	Polarization	Max. Input Power	Impedance
Stick Antenna	Omni	Linear	5W	50Ω

Frequency (GHz)	0.698~0.96	1.71~2.17	2.3~2.69
Return Loss (dB)	< -6	< -5	< -6
Peak Gain (dBi)	5.8	4.6	5.9
Average Gain (dB)	-1.7	-3.8	-2.4
Efficiency (%)	67	42	58

**Mechanical Specifications**

**Environmental**

Temperature Range (°C)	-40 to 85
Humidity	Non-condensing 65°C 95% RH
IP Rating	IP67

RoHS Compliant

Part Number	Length (mm)	Weight (g)	Connector Type	Radome
ST0326-41-301-U	550	149.5	N Jack	FR-PPR

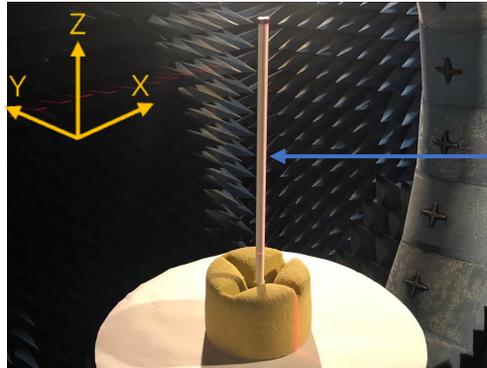
**Mechanical Drawing**

Unit : mm



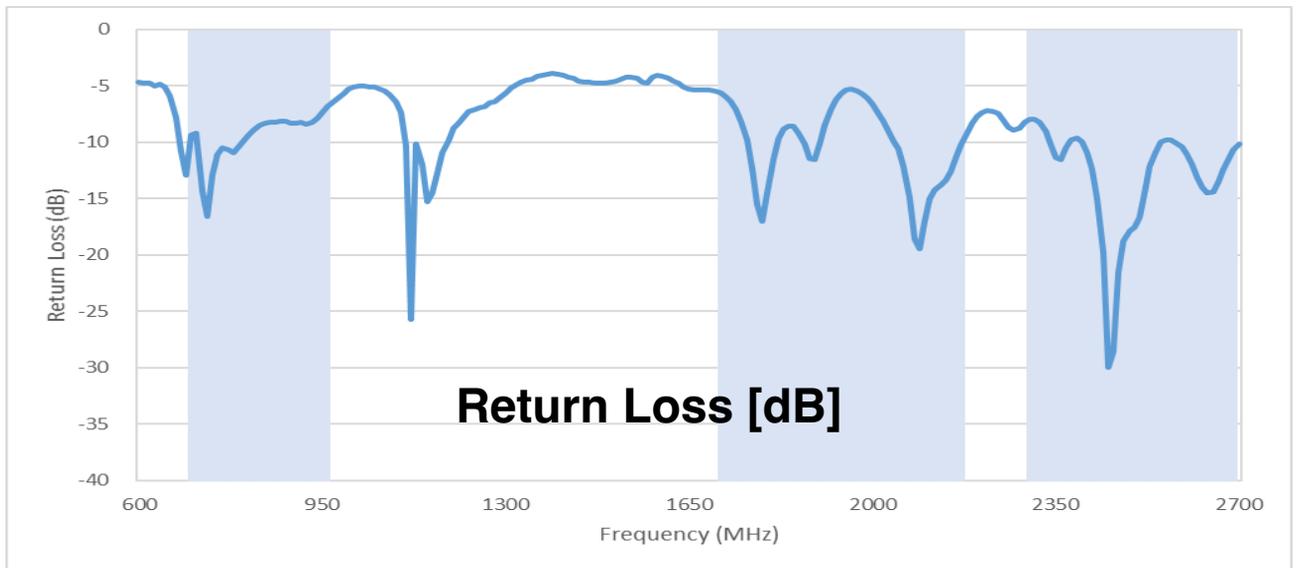
**ST0326-41-301-U**

## Charts In Free Space

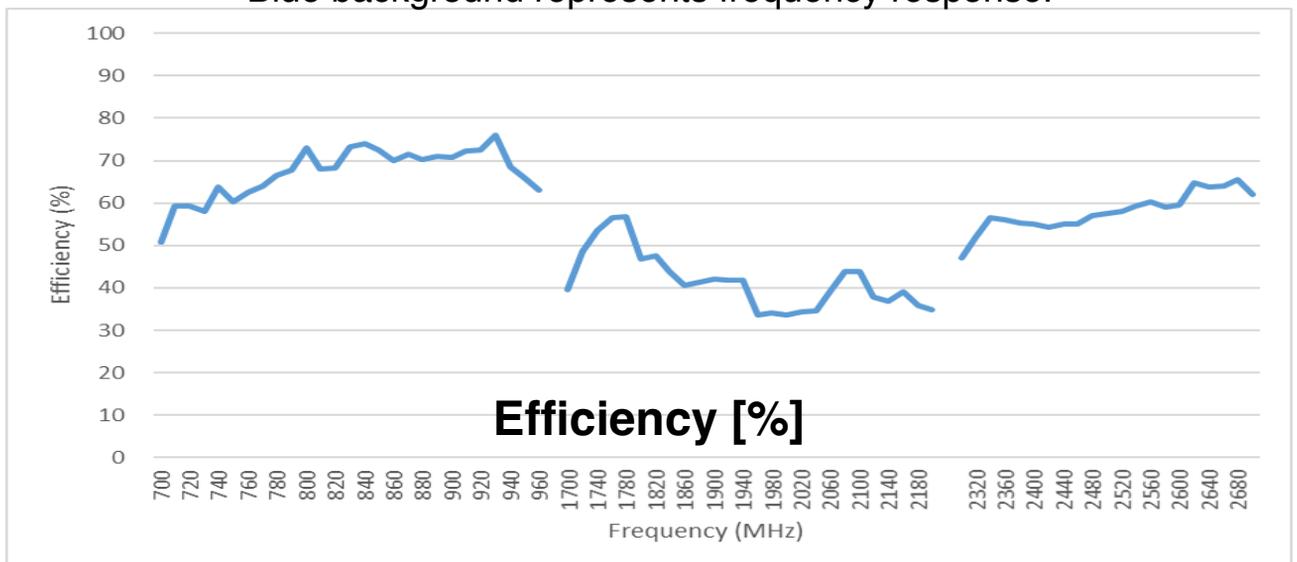


ST0326-41-301-U

Test setup, measurement performed in 3D anechoic chamber.

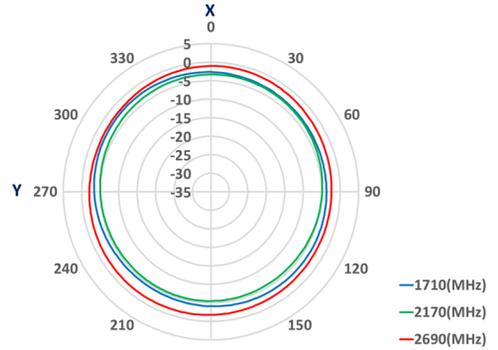
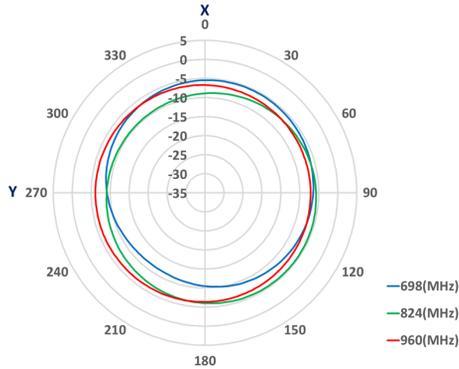


Blue background represents frequency response.

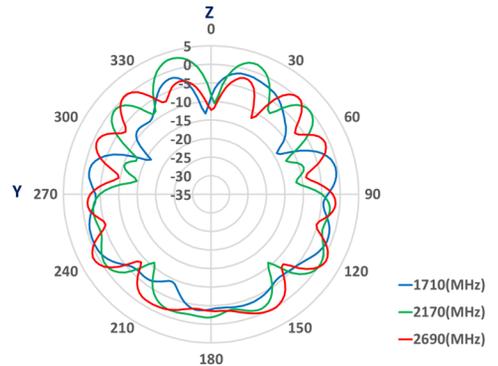
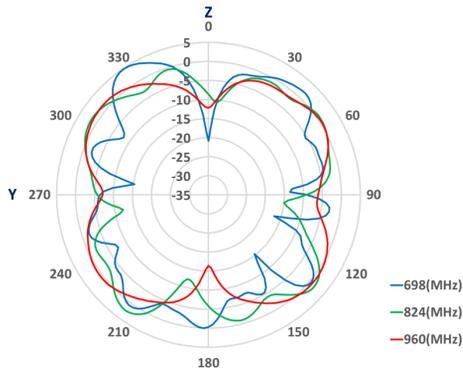


## Radiation Pattern - Free Space

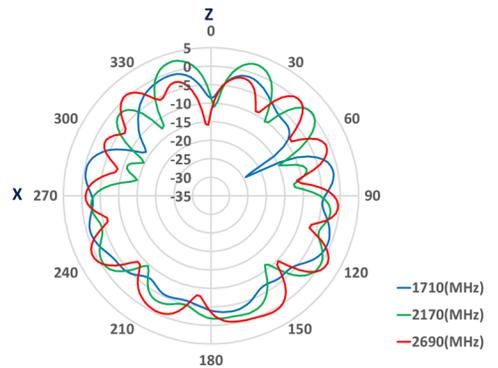
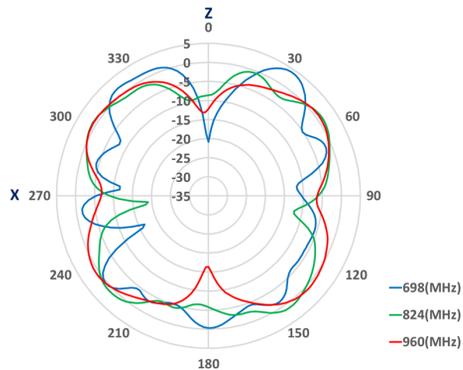
### XY - Plane



### YZ - Plane



### XZ - Plane



**Revisions**

Rev	Description	Date	ECN	Approval
A	Initial Release	2022-10-25	ST0326-41-301-U-RA00	ATC
B	RF Performance update	2023-01-02	ST0326-41-301-U-RB00	ATC

NOTICE - These drawings, specifications, or other data ( 1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.