

### Datasheet

**0.69-0.96GHz, 1.7-2.7GHz**  
External / In-building



**Stick Antenna**

### Features:

High performing full 4G LTE band antenna with SMA/RP-SMA connector for indoor applications

### 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	1W	50Ω

Frequency (GHz)	0.69~0.96	1.71~2.17	2.3~2.7
Return Loss (dB)	< -6	< -10	< -10
Gain, Peak / Average (dB)	4.7 / -3.7	4.0 / -1.5	4.1 / -1.2
Efficiency / Average (%)	43	71	76

**Mechanical Specifications**

**Environmental**

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

RoHS Compliant

Part Number	Length (mm)	Weight (g)	Connector Type	Radome
ST0326-30-004-A	151	15.82	SMA Plug	ABS
ST0326-30-504-A	151	15.82	RP-SMA Plug	ABS

**Mechanical Drawing**

ST0326-30-004-A

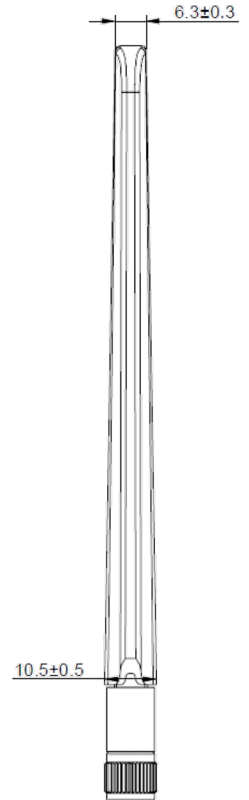
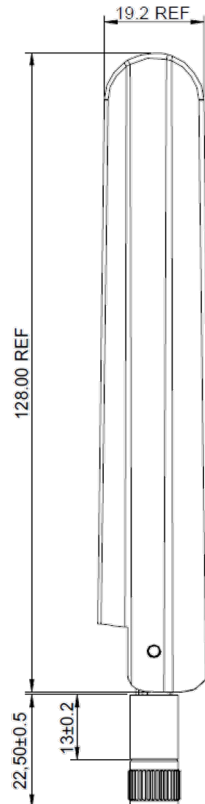


SMA Plug

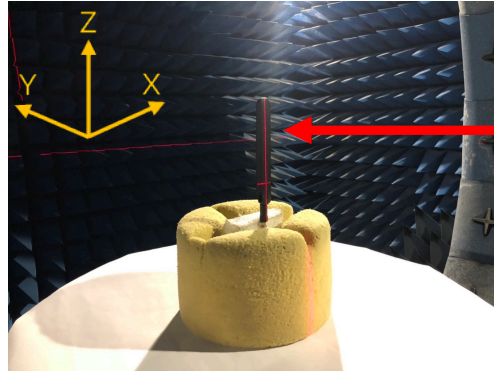


RP-SMA Plug

ST0326-30-504-A

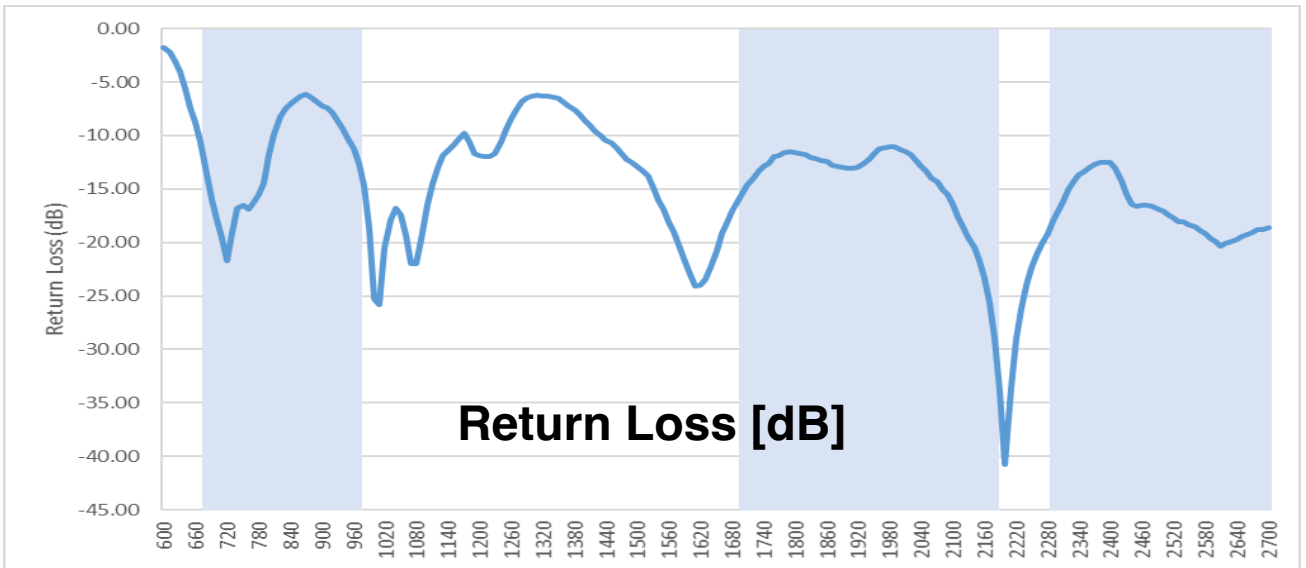


### Charts in Free Space

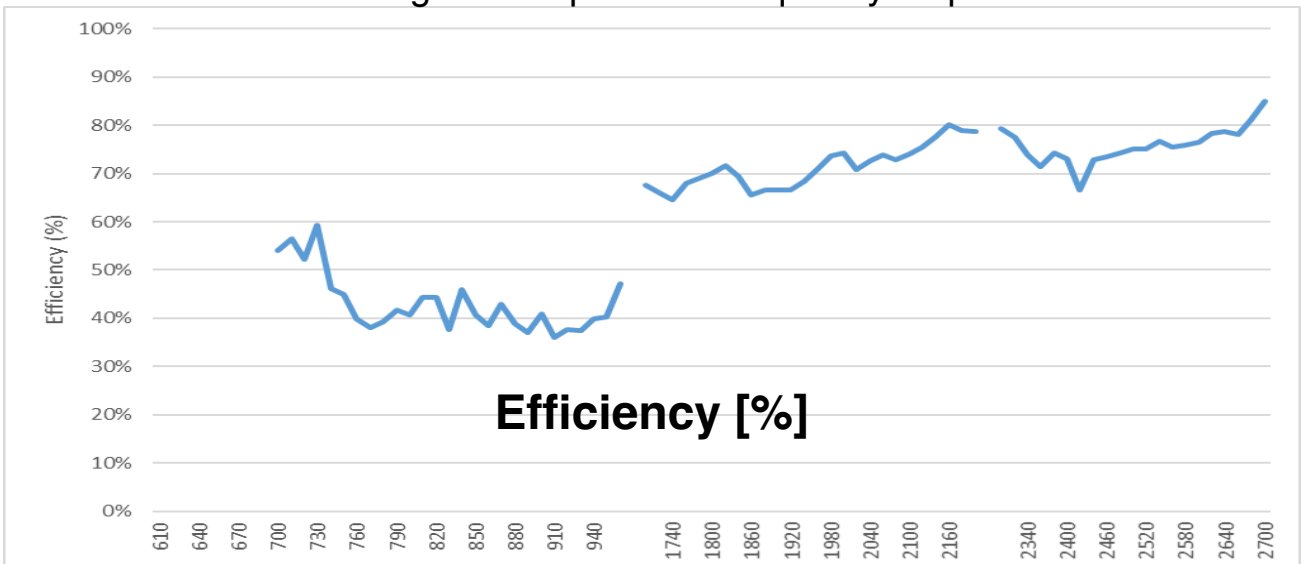


ST0326-30-004-A

Test setup, measurement performed in 3D Anechoic Chamber

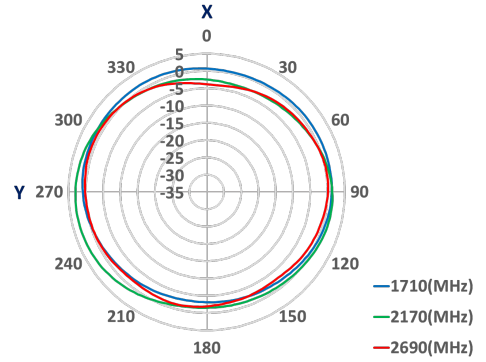
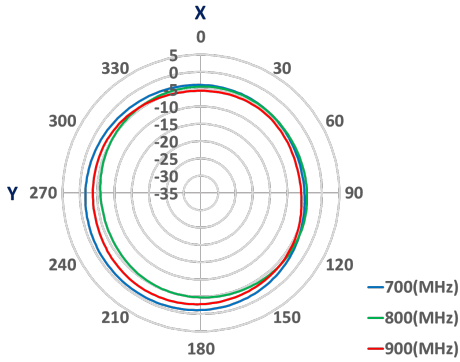


Blue background represents frequency response.

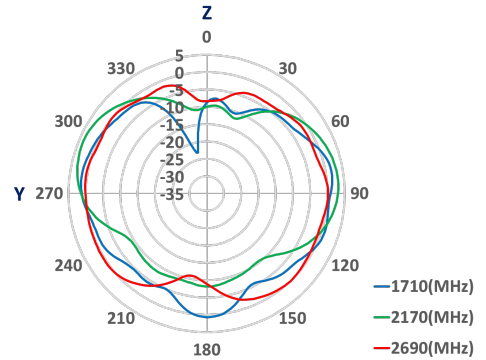
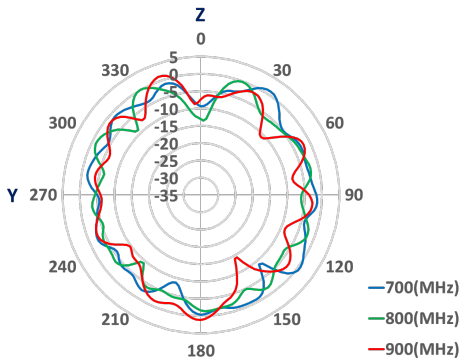


## Radiation Pattern - Free Space

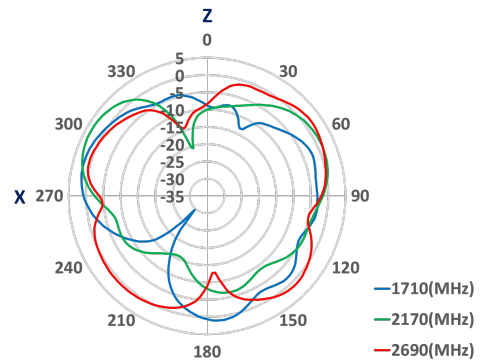
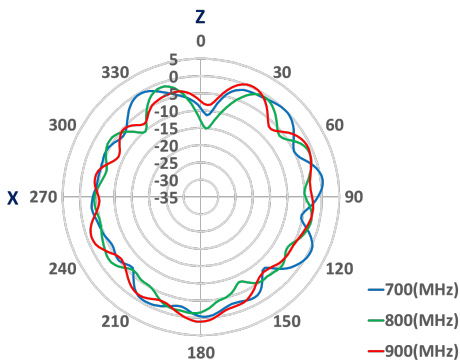
### XY - Plane



### YZ - Plane



### XZ - Plane



Revisions

Rev	Description	Date	ECN	Approval
A	Initial Release	2022-10-25	ST0326-30-X04-A-RA00	ATC
B	RF Performance update	2023-01-02	ST0326-30-X04-A-RB00	ATC

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