

Datasheet

2.4-2.5GHz & 4.9-5.85GHz

External / Outdoor

Features:

This is an outdoor IP67-rated dipole antenna designed for superior performance in Wi-Fi dual band with N Type connector.

Applications:

- CPE - Router, Set-top boxes & Gateway
- IoT devices
- Wi-Fi Mesh
- Smart Metering
- Smart Home Networking



Stick Antenna



Electrical Specifications

Antenna Characteristics

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

Frequency (GHz)	2.4~2.5	4.9~5.825
Return Loss (dB)	< -9	< -9
Peak Gain (dBi)	3.5	6.0
Average Gain (dB)	-1.3	-2.0
Efficiency (%)	75	64

Mechanical Specifications

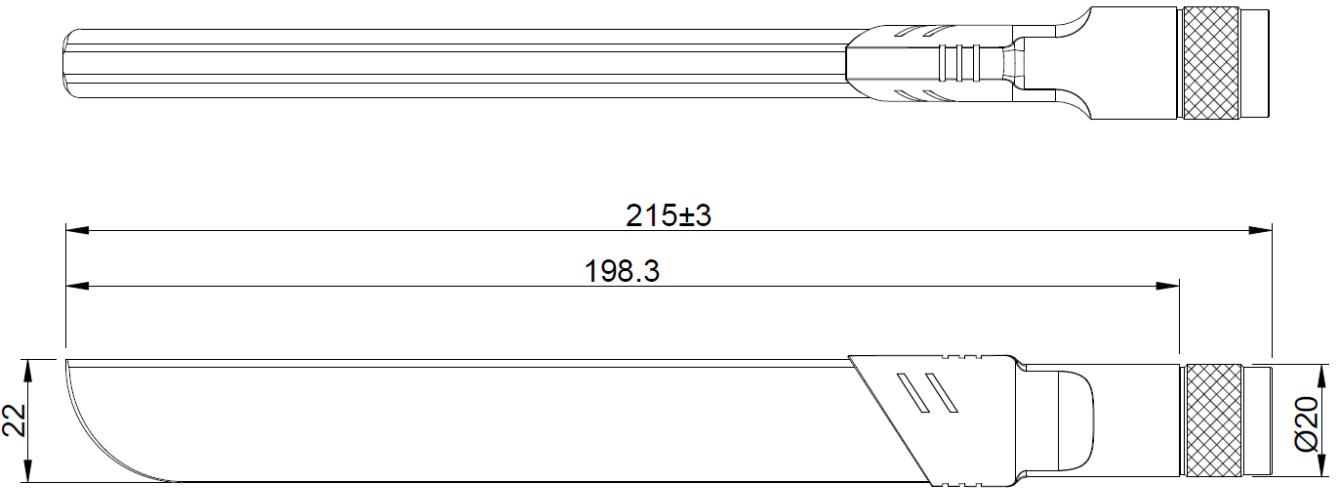
Environmental

Temperature Range (°C)	-30 to 70
IP Rating	IP67
RoHS Compliant	

Part Number	Length (mm)	Weight (g)	Connector Type	Radome
ST0226-41-301-B	215.0	67.1	N-type (Plug)	PC

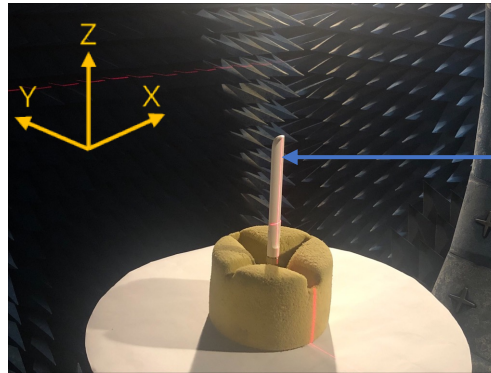
Mechanical Drawing

Unit : mm



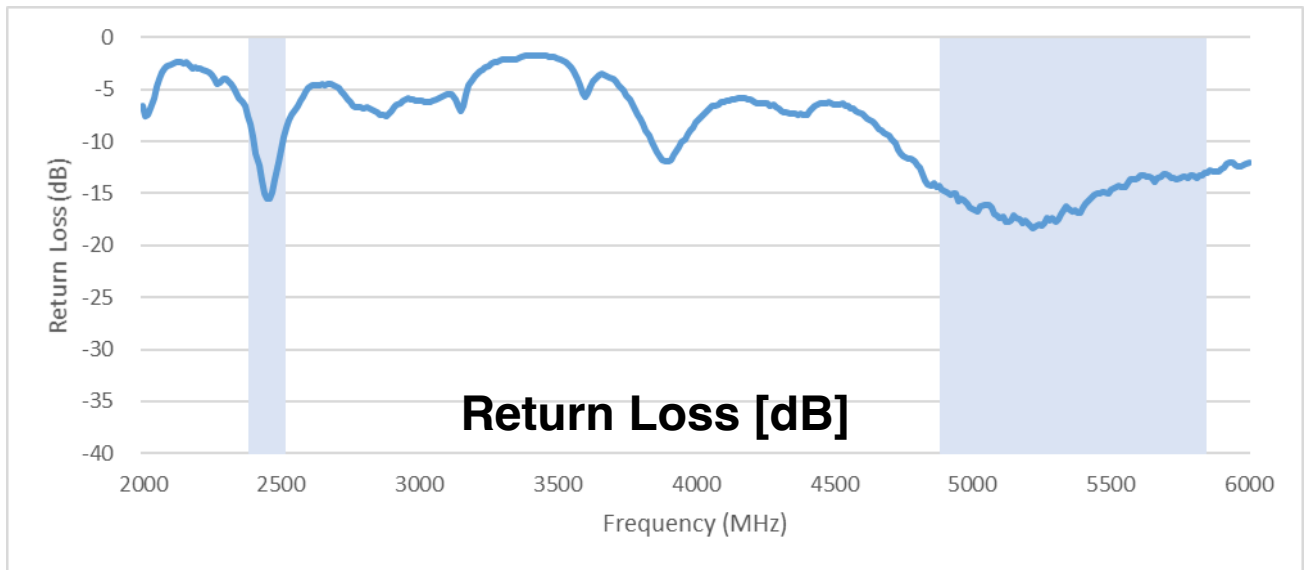
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Charts In Free Space

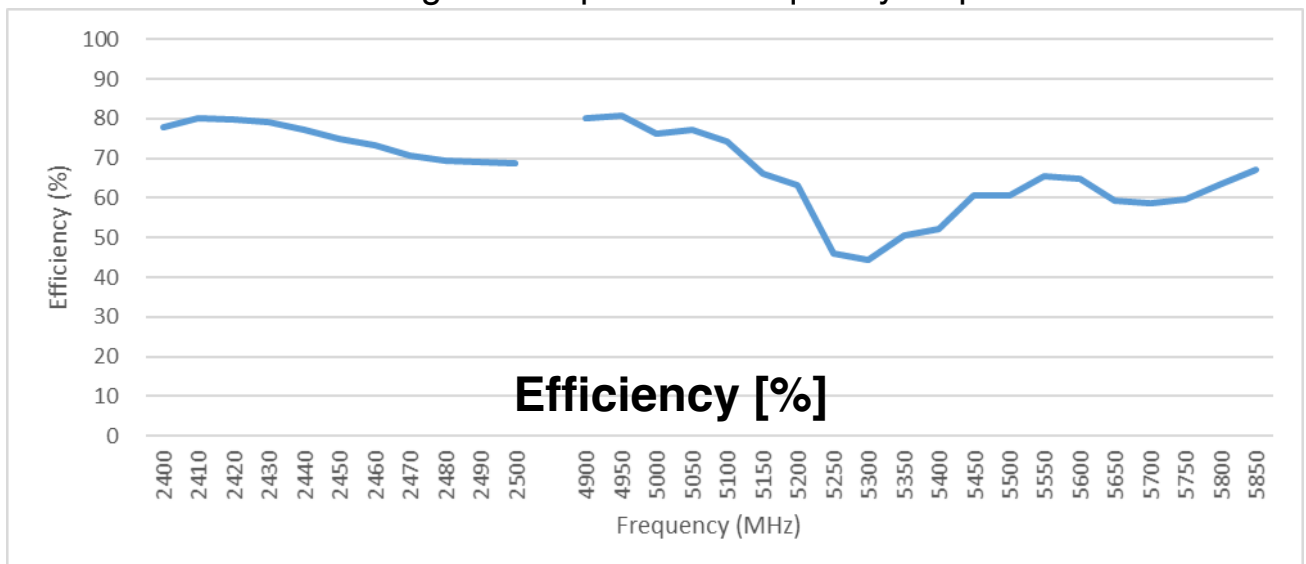


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Test setup, measurement performed in 3D anechoic chamber.

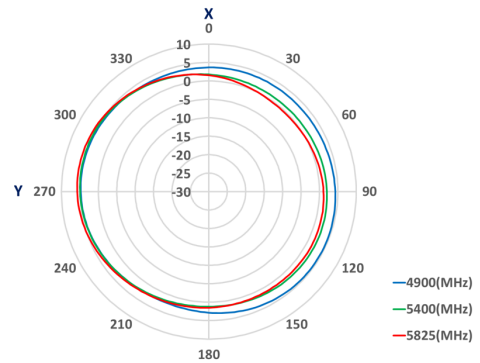
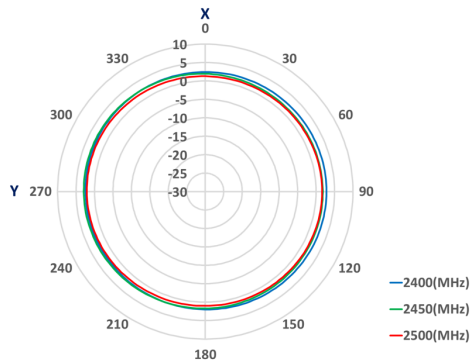


Blue background represents frequency response.

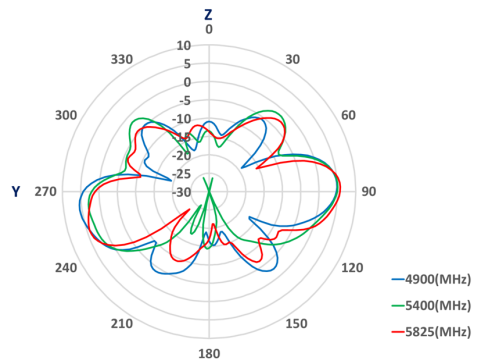
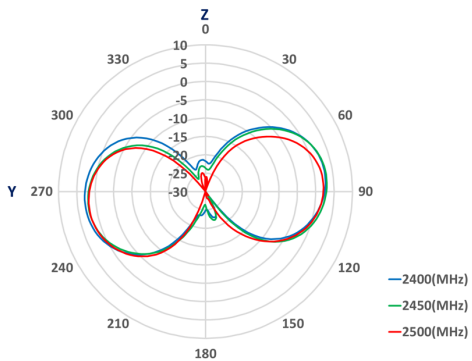


Radiation Pattern - Free Space

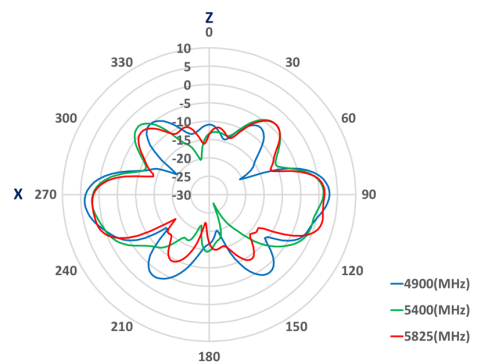
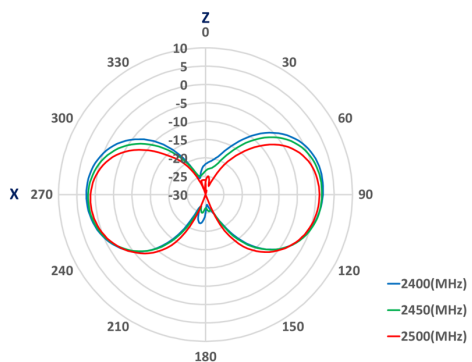
XY - Plane



YZ - Plane



XZ - Plane



Revisions				
Rev.	Description	Date	ECN	Approval
A	Initial Release	2022-12-06	ST0226-41-301-B-RA00	ATC

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