

Datasheet

2.4-2.5GHz & 4.9-7.2GHz
External / Outdoor

Features:

This is an outdoor IP67-rated dipole antenna designed for superior performance in Wi-Fi 6E with N Type connector.

Applications:

- CPE - Router, Set-top boxes & Gateway
- IoT devices
- Wi-Fi 6E 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	5.925~7.125
Return Loss (dB)	< -10	< -10	< -10
Peak Gain (dBi)	3.7	5.7	6.3
Average Gain (dB)	-1.0	-1.3	-1.5
Efficiency (%)	79	73	71

Mechanical Specifications

Mechanical

Dimension (mm)	215.0
Connector Type	N-type (Plug)
Material	PC
Weight (g)	66.9

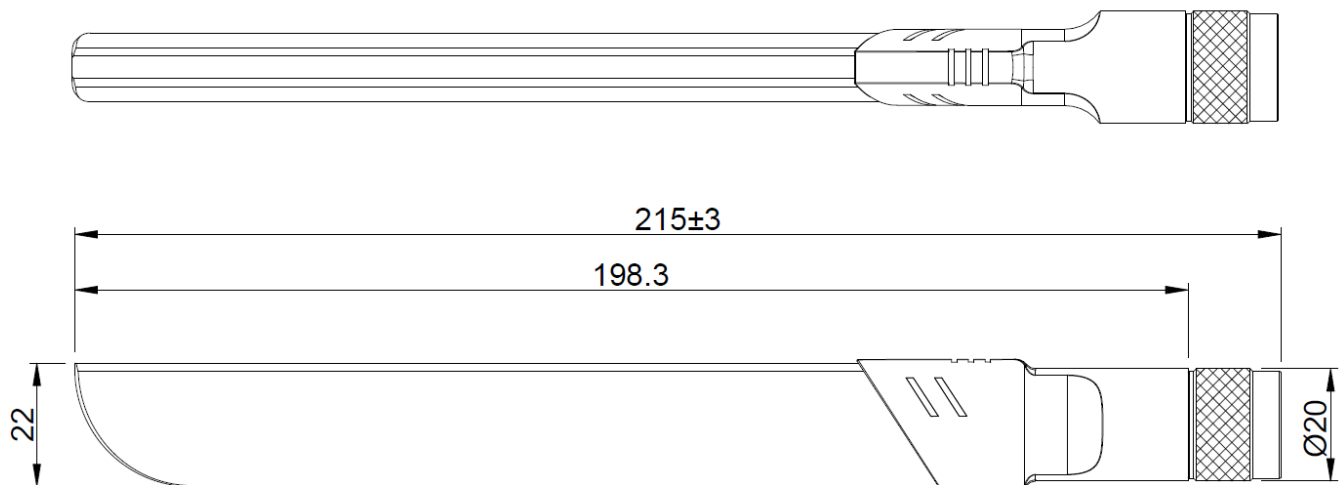
Environmental

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

RoHS Compliant

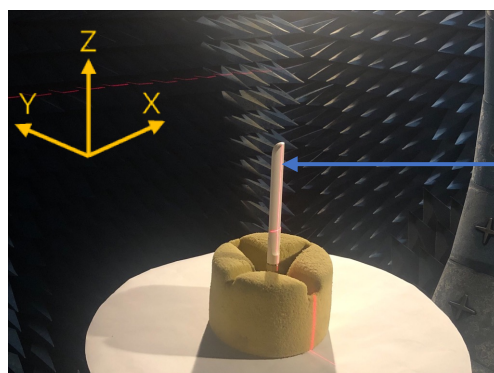
Mechanical Drawing

Unit : mm



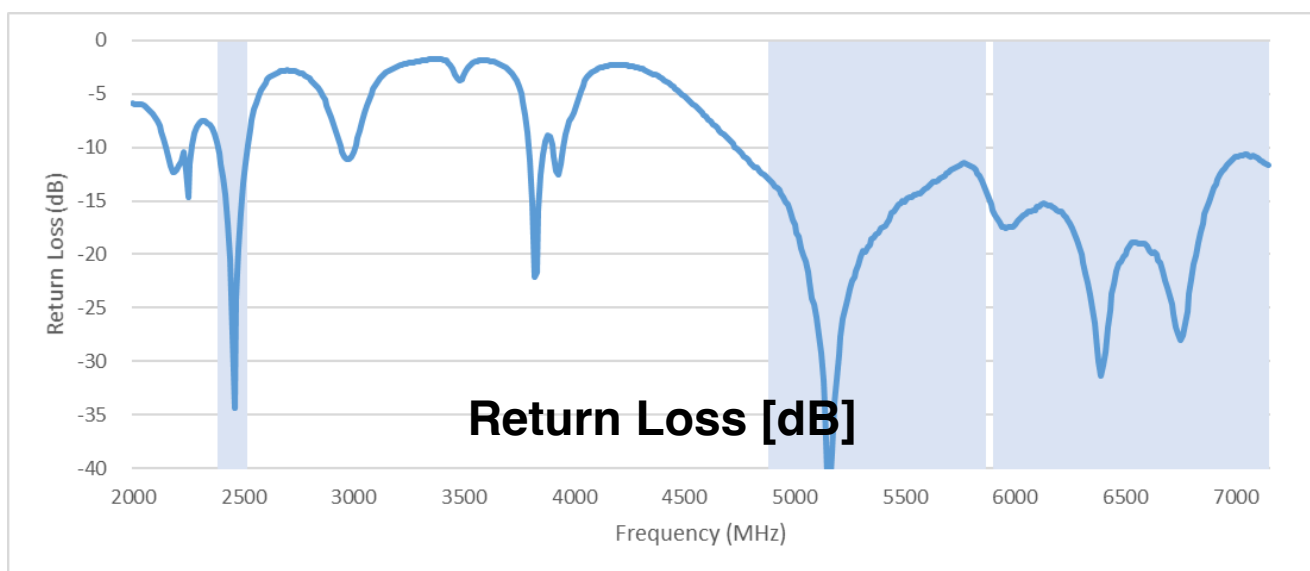
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Charts In Free Space

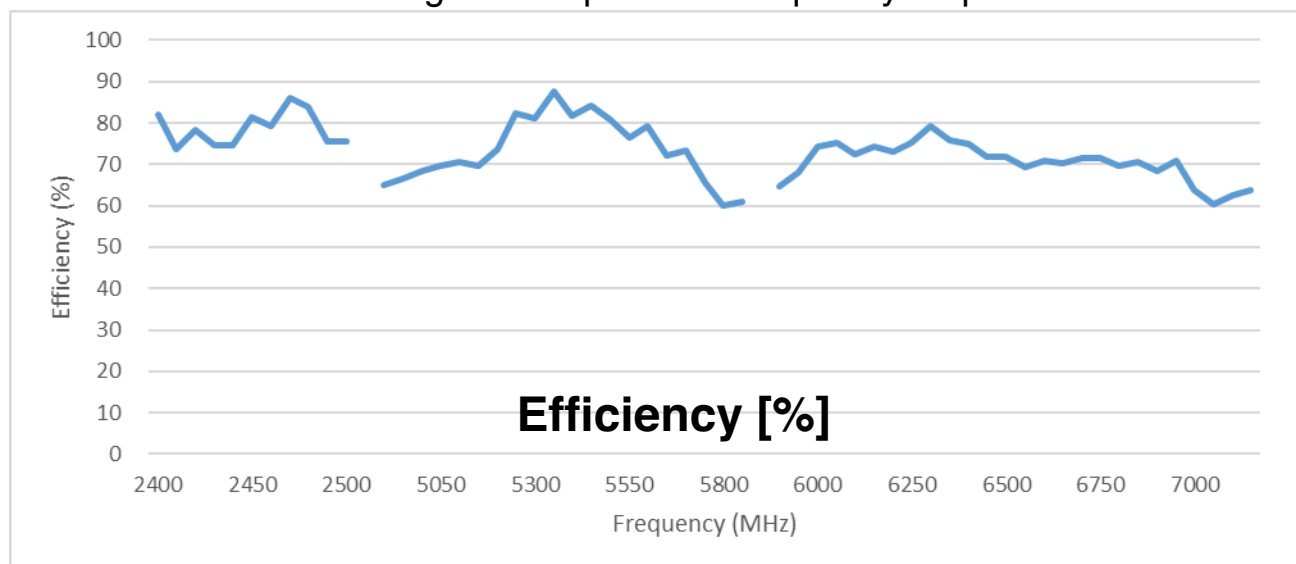


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Test setup, measurement performed in 3D anechoic chamber.

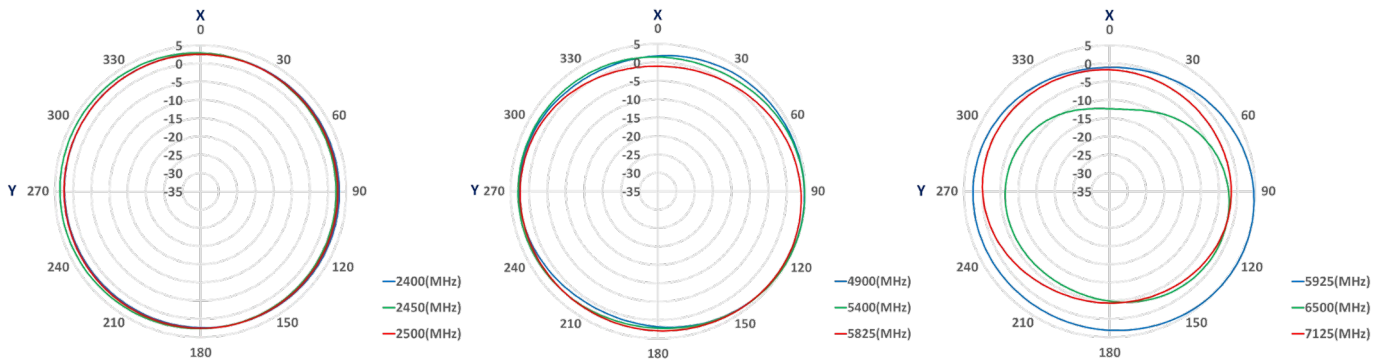


Blue background represents frequency response.

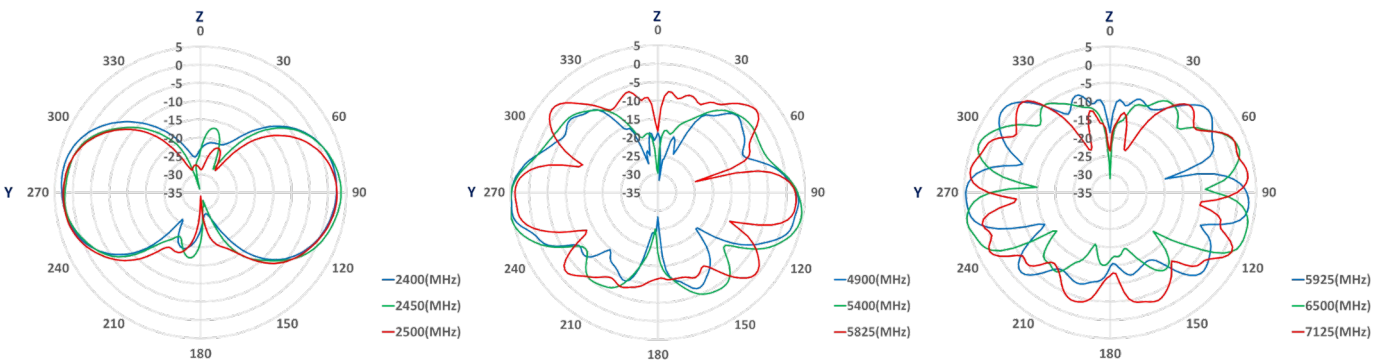


Radiation Pattern - Free Space

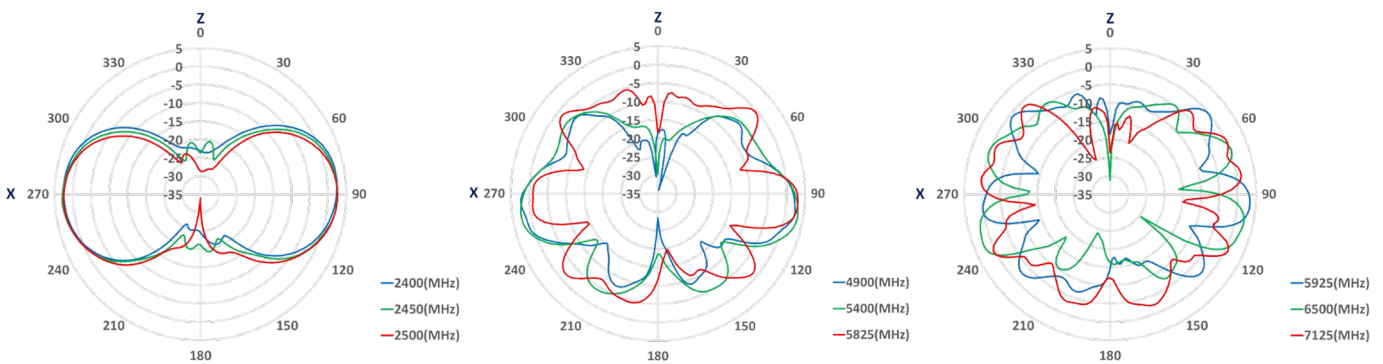
XY - Plane



YZ - Plane



XZ - Plane



Revisions				
Rev.	Description	Date	ECN	Approval
A	Initial Release	2023-02-13	ST1226-41-301-B-RA00	ATC

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