

Datasheet

3.3GHz-5GHz

External Antenna/In-building

Features:

High performing full 5G FR1 band antenna with N type connector, applicable for indoor, and IP66 is certified.

Applications:

CPE - Router, Set-top boxes & Gateway
IoT devices
5G FR1 Mesh
Smart Metering
Robotics



Stick Antenna



Electrical Specifications

Antenna Characteristics

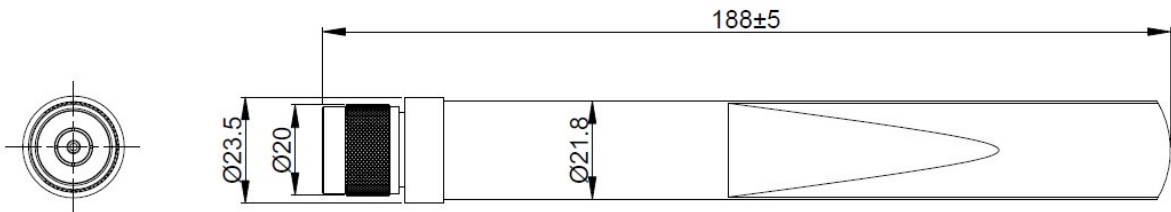
Antenna Type	Radiation Pattern	Polarization	Max. Input Power	Impedance
Stick Antenna	Omni	Linear	1W	50Ω
Frequency (GHz)		3.3~5.0		
Return Loss (dB)		< -10		
Peak Gain (dBi)		5.1		
Average Gain (dB)		-1.5		
Efficiency (%)		70		

Mechanical Specifications	
Mechanical	
Dimension (mm)	188.0
Connector Type	N-type (Plug)
Material	ASA
Weight (g)	61.8

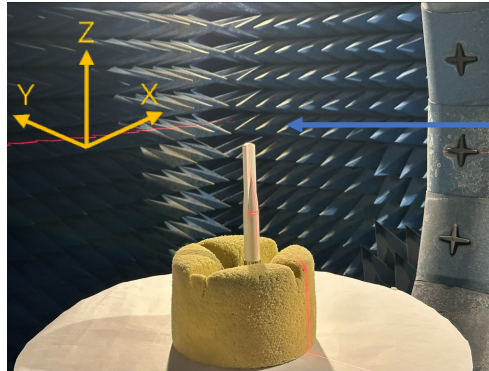
Environmental	
Temperature Range (°C)	-25 to 65
IP Rating	IP66
RoHS Compliant	

Mechanical Drawing

Unit : mm

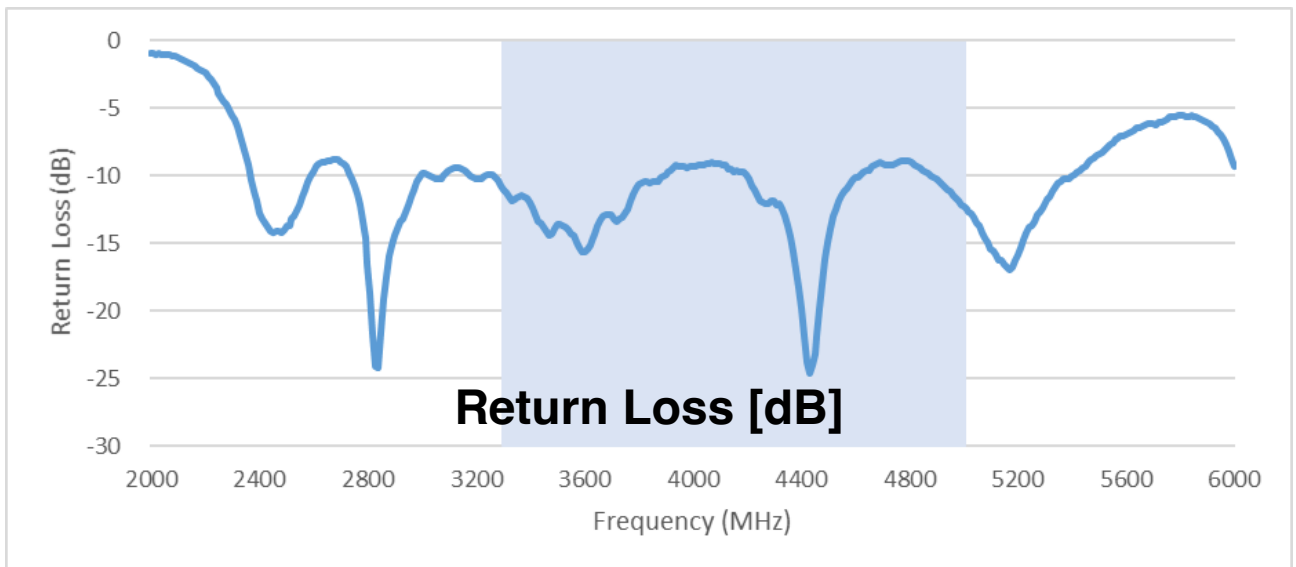


Charts In Free Space

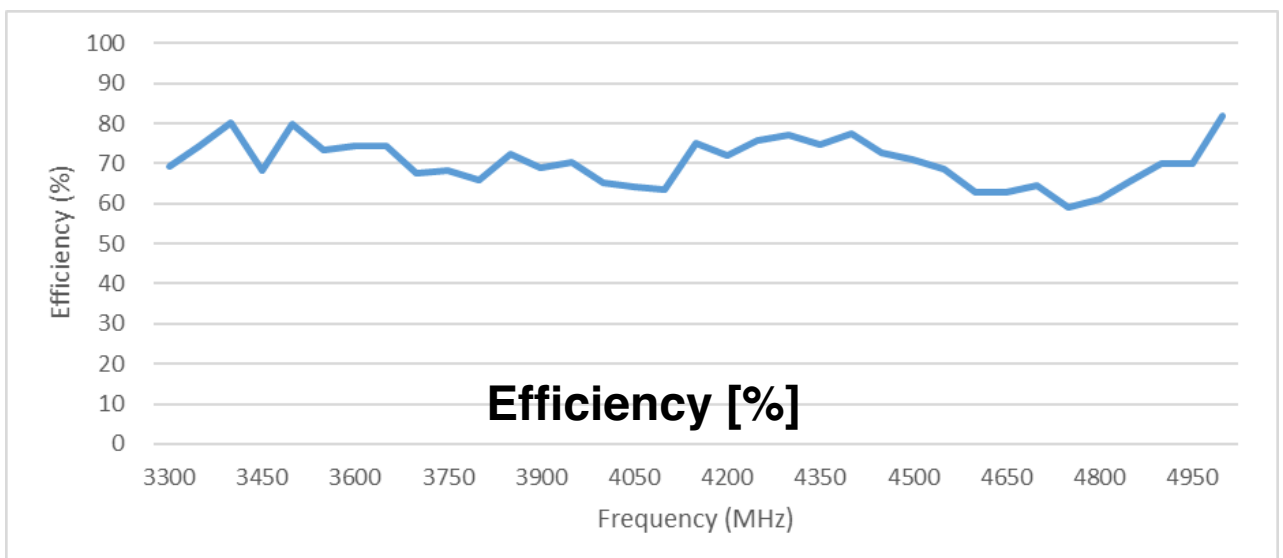


ST0426-31-302-B

Test setup, measurement performed in 3D anechoic chamber.

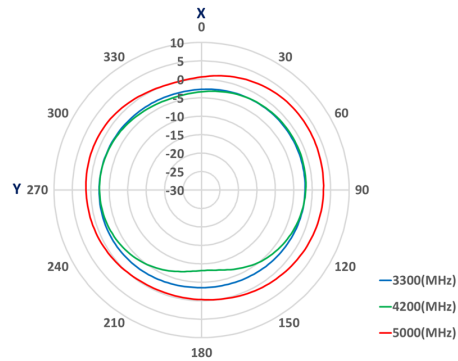


Blue background represents frequency response.

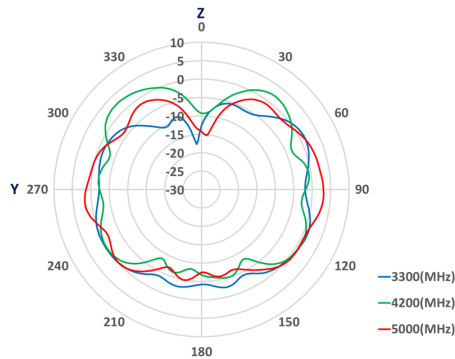


Radiation Pattern - Free Space

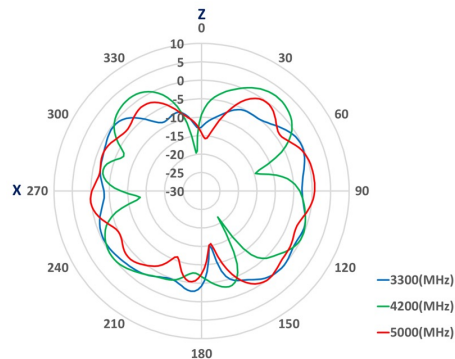
XY - Plane



YZ - Plane



XZ - Plane



Revisions				
Rev.	Description	Date	ECN	Approval
A	Initial Release	2023-12-11	ST0426-31-302-B-RA00	ATC

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