

# GSM 2G 3G 4G LTE

---

## MAGNETIC MOUNT ANTENNA

---



698-960 MHz | 1420-2690 MHz



PN: M04-0103270R0A

Dimensions: Ø29.8 x 110.5 mm





# Table of Contents

FEATURES & BENEFITS .....	1
APPLICATIONS.....	1
Various 4G LTE solutions, including.....	1
ORDER INFORMATION.....	2
REFERENCE GUIDE.....	2
ELECTRICAL PERFORMANCE .....	3
VSWR and Total Efficiency (%) .....	3
Radiation Patterns (698-960 MHz), Efficiency (%) and Gain (dBi).....	4
Radiation Patterns (1427-2170 MHz), Efficiency (%) and Gain (dBi).....	5
Radiation Patterns (2300-2690 MHz), Efficiency (%) and Gain (dBi) .....	6
WELCOME ALL ANTENNA OEM/ODM PROJECTS.....	7

[www.aboosty.com](http://www.aboosty.com)

The materials provided herein, which are intended for illustration purposes only, are believed to be reliable and correct. However, no responsibility is further assumed for inaccuracies or incompleteness, and all such information shall be entirely at the user's risk. All information is subject to change without prior notice.

Copyright © 2024 ShenZhen MyAntenna RF Technology Co., Ltd. All Rights Reserved.



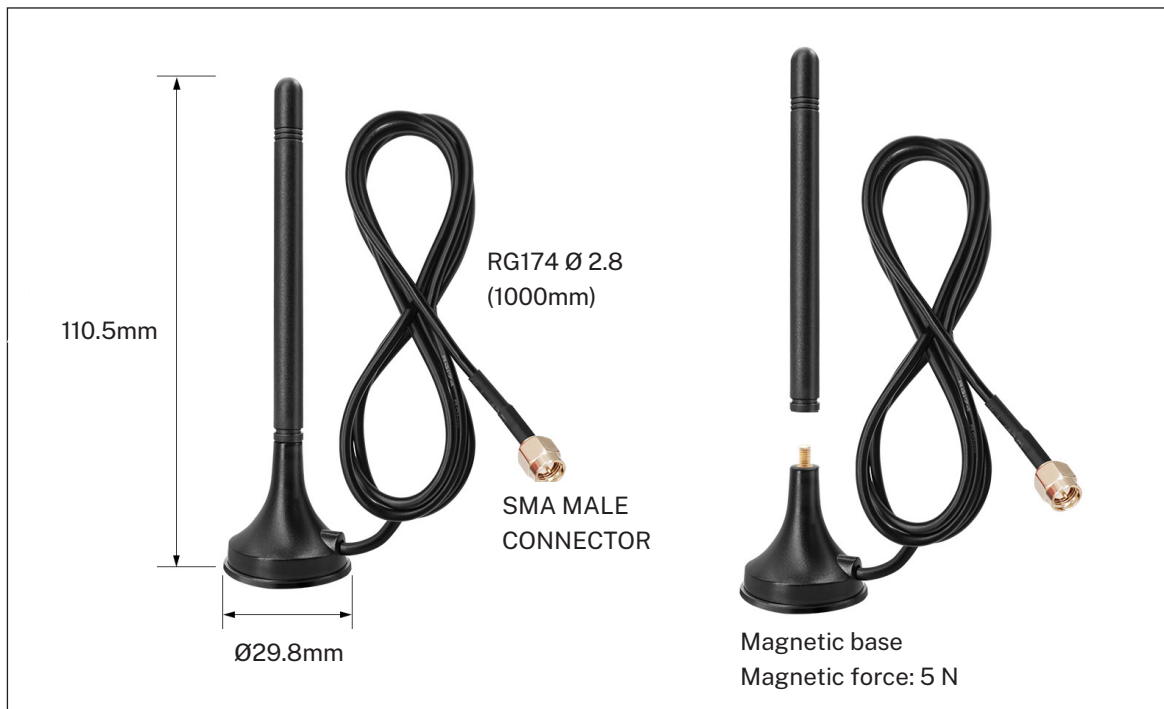
## FEATURES & BENEFITS

- Omni-directional 4G Antenna
- Equipped with a magnetic base for easy and quick installation on metal surfaces
- Compact and portable, suitable for mobile applications and temporary setups
- Cost-Effective for boosting signal reception
- Cables and connectors customization supported

## APPLICATIONS

Various 4G LTE solutions, including,

- Outdoor Events and Activities
- Vehicle Connectivity
- Remote Work and Temporary Sites
- Public Safety and Emergency Response
- Mobile Homes and Boats
- Temporary Connectivity Solutions such as disaster recovery, temporary offices, or pop-up events.



Items	Dimensions
Height	110.5±2.0 mm (4.4±0.08")
Diameter	Ø29.8±0.5 mm (1.2±0.02")
Cable Type	RG174 Ø 2.8 mm (0.1")
Cable Length	1000±30 mm (3.28'±1.18")



## ORDER INFORMATION

<b>Product Name</b>	GSM 2G 3G 4G LTE Magnetic Mount Antenna
<b>Part Number</b>	M04-0103270R0A
<b>Dimensions</b>	Ø29.8 x 110.5 mm
<b>Weight</b>	24 g
<b>Color</b>	Black
<b>Mounting</b>	Magnetic mount
<b>Cable</b>	Default RG174 Ø 2.8 x 1000 mm cable, customizable.
<b>Connector</b>	Default SMA MALE connector, customizable.

## REFERENCE GUIDE

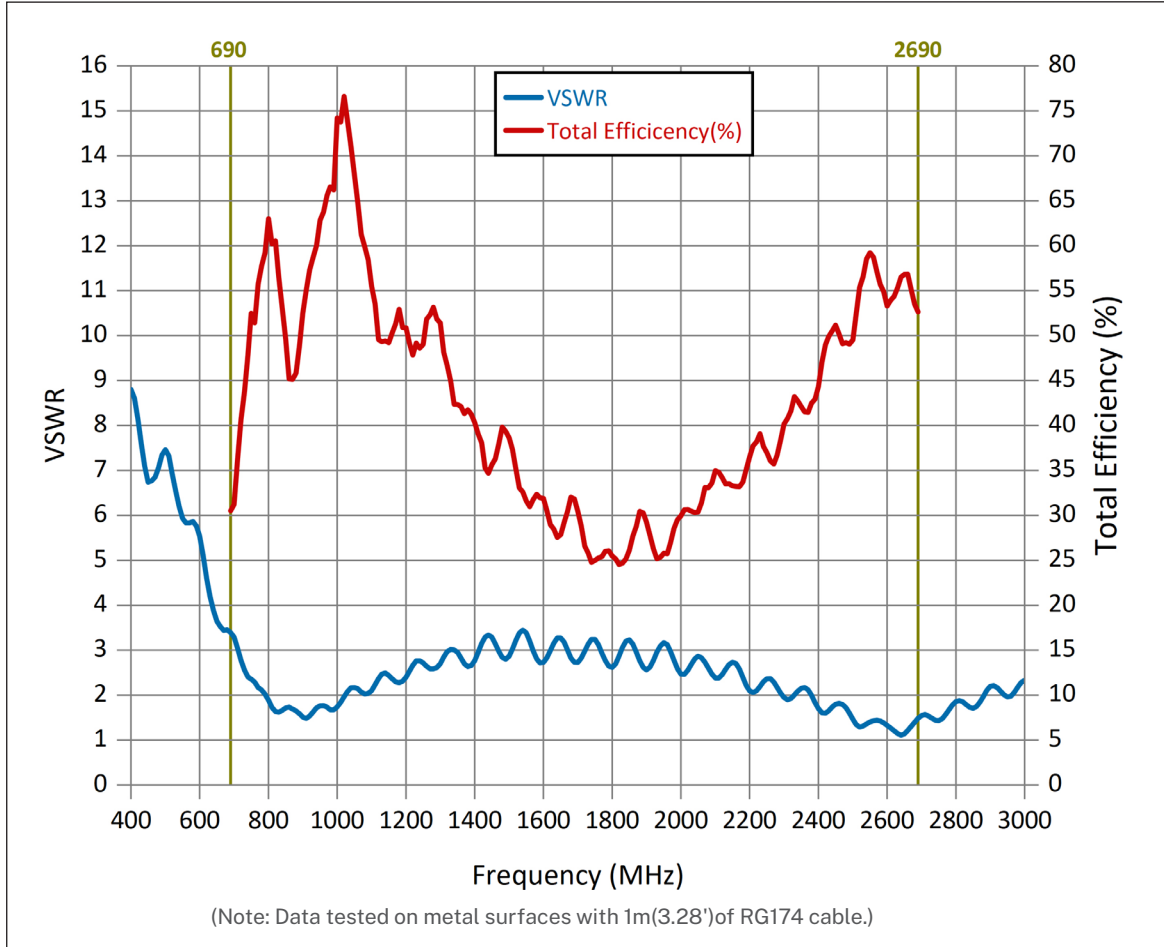
Technical Features	698-960 MHz	1427-2690 MHz
Max VSWR	3.39:1	3.45:1
Max Efficiency	76.61%	
Peak Gain	Up to 2.29 dBi (Typ)	
Max Input Power	10 Watts CW	
Radiation Pattern	Omnidirectional	
Polarization	Linear	
Input Impedance	50 Ω	
Operating Temperature	-40°C to +85°C	
Storage Temperature	-40°C to +85°C	
Relative Humidity	10 to 70%	
Material Substance Compliance	RoHS Compliant	
Dimensions (L x W x H)	Ø29.8 x 110.5 mm	
All data were measured on metal surface with a RG174 1-meter-long coaxial cable. Application data might vary.		

## ELECTRICAL PERFORMANCE

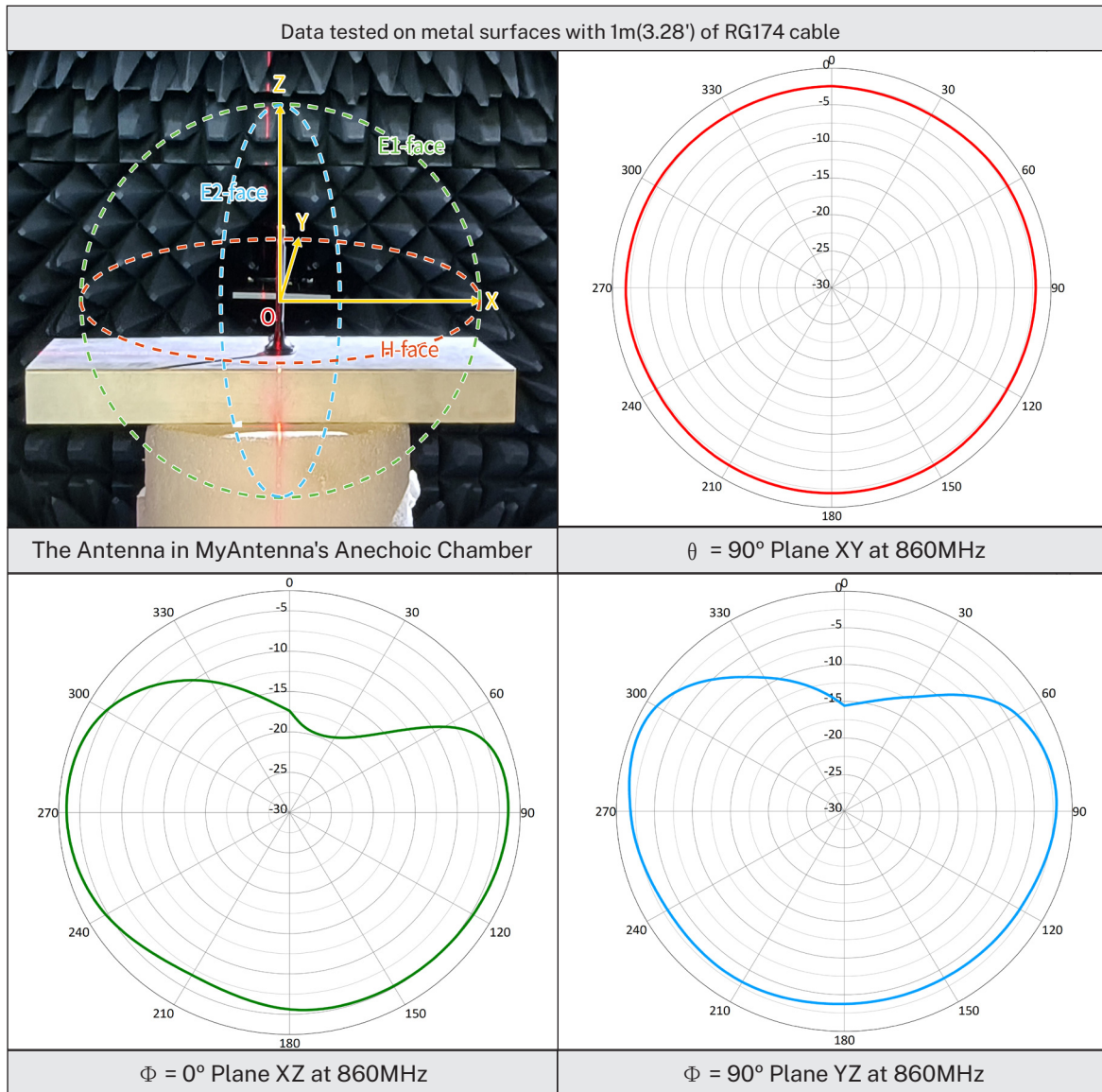
© Note

All data displayed in "ELECTRICAL PERFORMANCE" were measured on metal surfaces with a RG174 1-meter-long coaxial cable.

### VSWR and Total Efficiency (%)

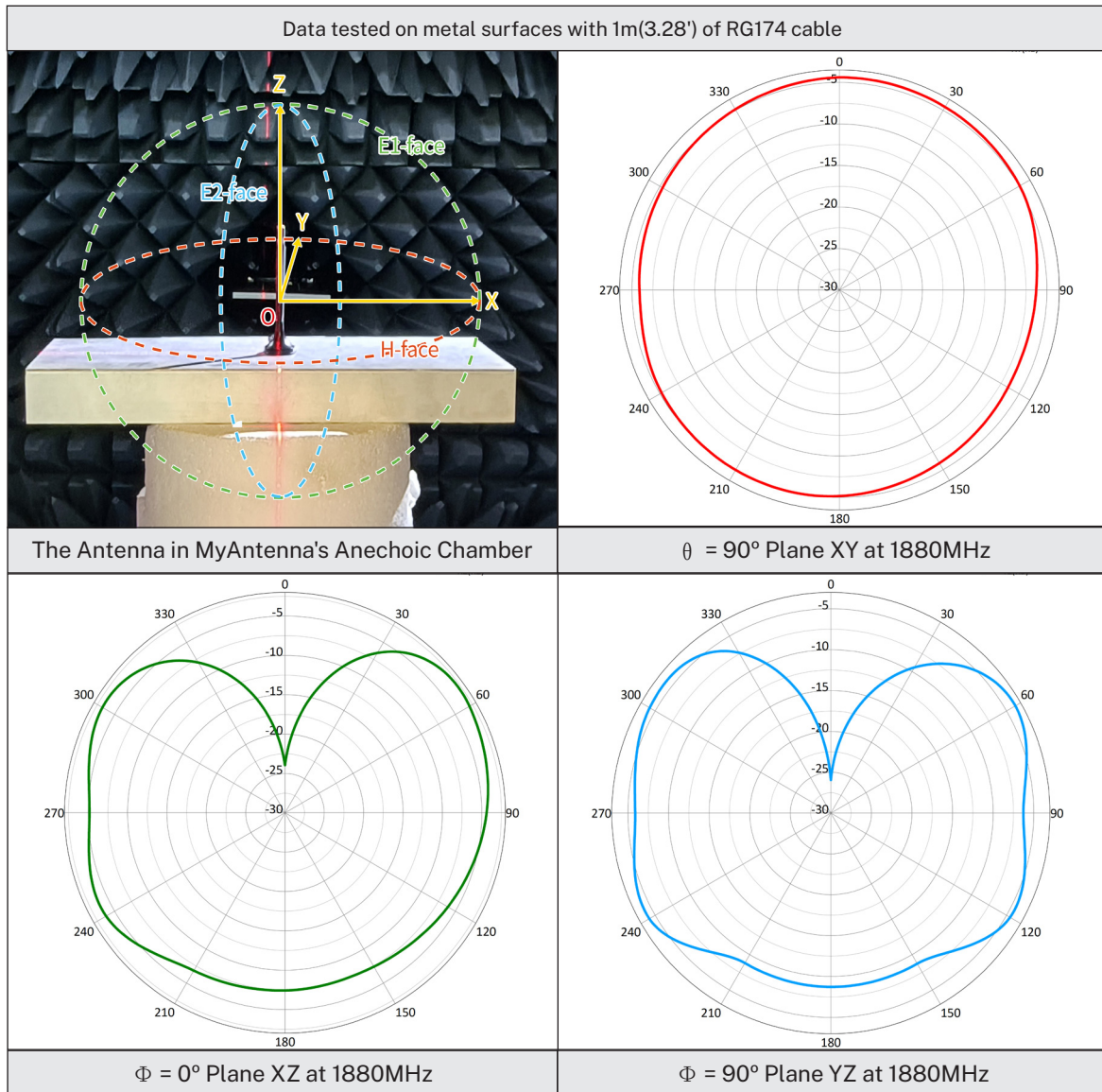


## Radiation Patterns (698-960 MHz), Efficiency (%) and Gain (dBi)



<b>Gain</b>	Peak Gain	1.19 dBi
	Average Gain across the band	-0.33 dBi
	Gain Range across the band (min, max)	-3.0 to 1.19 dBi
<b>Efficiency</b>	Peak Efficiency	63.75%
	Average Efficiency across the band	51.61%
	Efficiency Range across the band (min, max)	30.53 to 63.75%

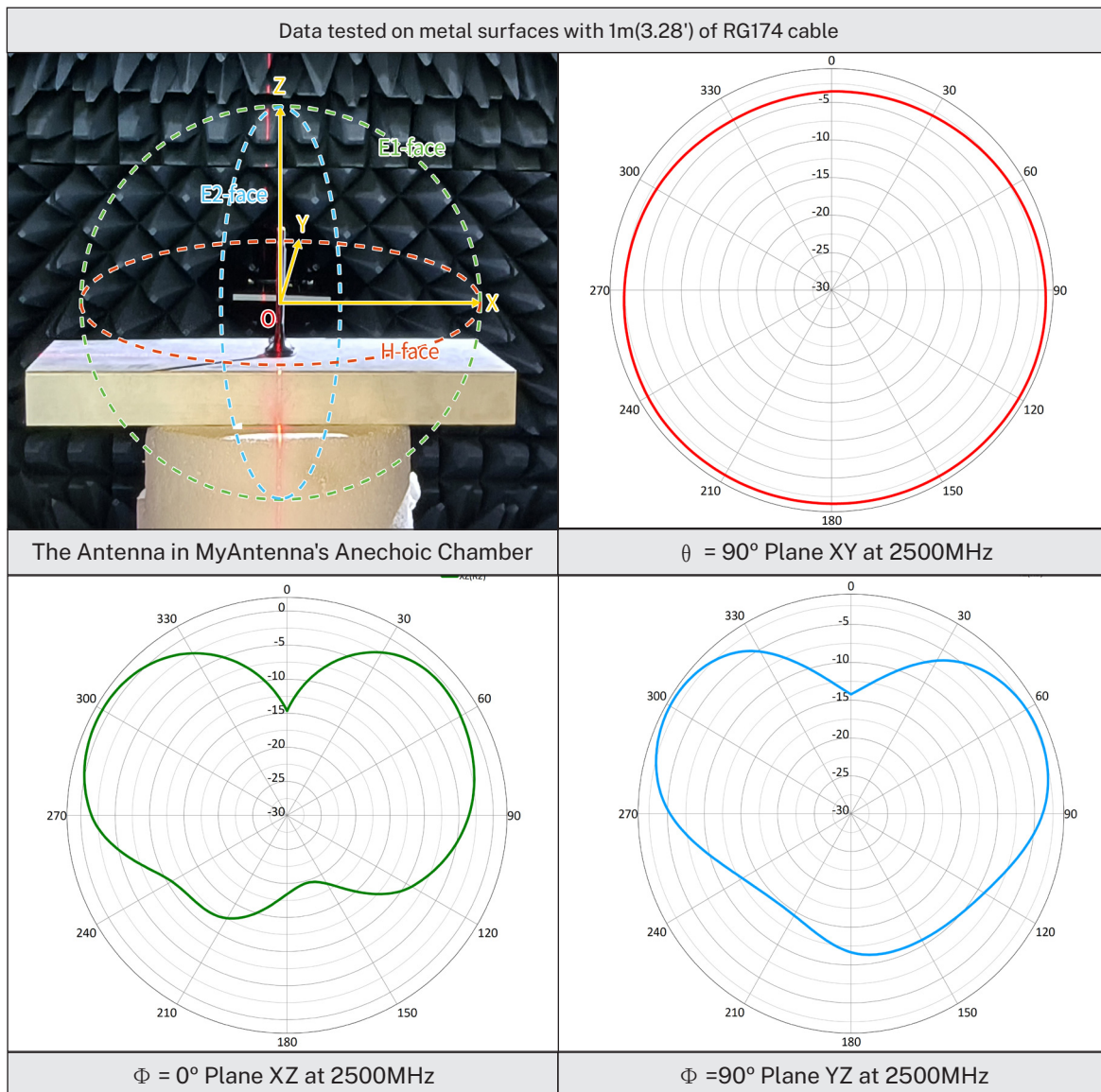
## Radiation Patterns (1427-2170 MHz), Efficiency (%) and Gain (dBi)



<b>Gain</b>	Peak Gain	0.09 dBi
	Average Gain across the band	-2.44 dBi
	Gain Range across the band (min, max)	-4.35 to 0.09 dBi
<b>Efficiency</b>	Peak Efficiency	39.83%
	Average Efficiency across the band	30.50%
	Efficiency Range across the band (min, max)	24.54 to 39.83%



## Radiation Patterns (2300-2690 MHz), Efficiency (%) and Gain (dBi)



<b>Gain</b>	Peak Gain	2.25 dBi
	Average Gain across the band	1.01 dBi
	Gain Range across the band (min, max)	-0.59 to 2.25 dBi
<b>Efficiency</b>	Peak Efficiency	59.21%
	Average Efficiency across the band	50.37%
	Efficiency Range across the band (min, max)	40.16 to 59.21%





## WELCOME ALL ANTENNA OEM/ODM PROJECTS

### About ABOOSTY



10+ years in antenna R&D, production, and OEM/ODM



House of Aboosty: 450,000 units annual output capacity



Factory directly competitive price



Industry-leading quality levels



Professional team-work & support



Quick price and lead time estimation

### Why Choose ABOOSTY



Innovative and patented design solutions



Full terminal devices anechoic chamber test



Co-location with its custom



Competitive price



Strict inspection



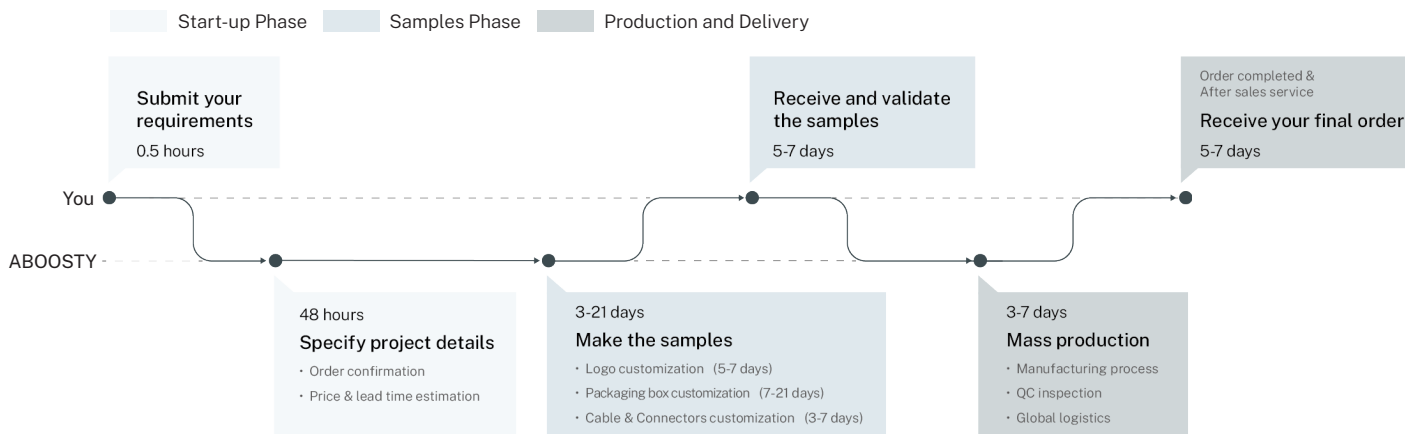
Prompt reply within 24h

### What We Provide

OEM/ODM Services	
Light Customization	Deep Customization
<ul style="list-style-type: none"> <li>Logo</li> <li>Packaging</li> <li>Cables&amp;Connectors</li> </ul>	<ul style="list-style-type: none"> <li>In-depth tailoring for specific applications</li> <li>Functional enhancements</li> <li>Environmental adaptations</li> <li>Vertical certifications</li> <li>...</li> </ul>

### Custom Process

#### Light Customization Process





## Deep Customization Process

- Start-up Phase
- Samples Phase
- Production and Delivery
- Life-cycle Management

Timeline (Day)

1

### Initial-stage

- Select your SMD antenna
- Submit your requirements

5

### Order Confirmation

- Sign the NDA
- Submit your project details
- Price & Lead Time Estimation

(You can either prototype the PCB board yourself or have us do it)

7

### Make the Samples

- Sign the order contract
- Sample prototyping

21

### Receive and Validate the Samples

28

### Mass Production

- Manufacturing process
- QC inspection
- Certification
- Global logistics

49

END

### Life-cycle Management

- Yield management
- Supply chain management
- Batch traceability
- After sales service

## General/SMD Antenna Custom (2-4 Weeks)

**ABOOSTY provides the PCB board**

## SMD Antenna Custom (4-8 Weeks)

**You provide the PCB board**

### Initial-stage

- Select your antenna
- Submit your requirements
- Order confirmation

or

### PCB Board Design & Send (You)

- Design & process your PCB board
- Send your PCB board to us for debugging

### Receive and Validate the Samples

### Mass Production

- Manufacturing process
- QC inspection
- Certification
- Global Logistics

### Life-cycle Management

- Yield management
- Supply chain management
- Batch traceability
- After sales service

# ABOOSTY

A Globally Leading Manufacturer and Supplier of  
Multi-band Combination Antennas

Visit us at [www.aboosty.com](http://www.aboosty.com)

✉ [support@aboosty.com](mailto:support@aboosty.com) 📞 +86 13924678201

