

2.4G WIFI OMNI

EXTERNAL MINI ANTENNA

 2400-2500 MHz



PN: AEWW015

Dimensions: Ø18 mm x 30 mm





Table of Contents

1 FEATURES & BENEFITS 1

3 ORDER INFORMATION..... 1

2 APPLICATIONS..... 1

4 MECHANICAL DIMENSIONS..... 2

5 REFERENCE GUIDE..... 4

6 ELECTRICAL PERFORMANCE 4

 6.1 VSWR and Return Loss (dB) 4

 6.2 Gain (dBi) and Total Efficiency (%) 5

 6.3 Radiation Patterns (2400-2500 MHz)..... 6

7 WELCOME ALL ANTENNA OEM/ODM PROJECTS 7

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.





1 FEATURES & BENEFITS

- Light Weight
- Waterproof
- Easy Installation
- Enhanced High-Speed Wireless Network Connectivity and Data Transfer
- Reduced Cost and Time-to-Market

2 APPLICATIONS

- Industrial Automation and Control
- Wireless Sensor Networks
- Remote Monitoring and Management
- Inventory Management in Warehouses
- Wireless Security Cameras and Surveillance Systems
- IoT Integration and Production Tracking
- Smart Agriculture

3 ORDER INFORMATION

Product Name	2.4G WiFi Omni External Mini Antenna
Part Number	Antenna: AEW015
Dimensions	Ø 18 x 30 mm
Weight	7.3g
Color	Black
Mounting	Screw Mounted
Cable	Default IPEX 3 RF 0.81 coaxial cable (Ø 0.81 x 500 mm)
Customization	Logo, packaging, cable and connectors customization supported.

5		6		7		8	
REV.		DESCRIPTION		APPD.		DATE	
A		INITIAL RELEASED		Chen		2024/09/20	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body		Black		Φ18.0*30.0mm	
2		O-RING		Black		Φ16.0*Φ2.0mm	
1		SMA		Golden		1/4"-36UNS-2B	
No.		Name		Material		Color	
3		Body					

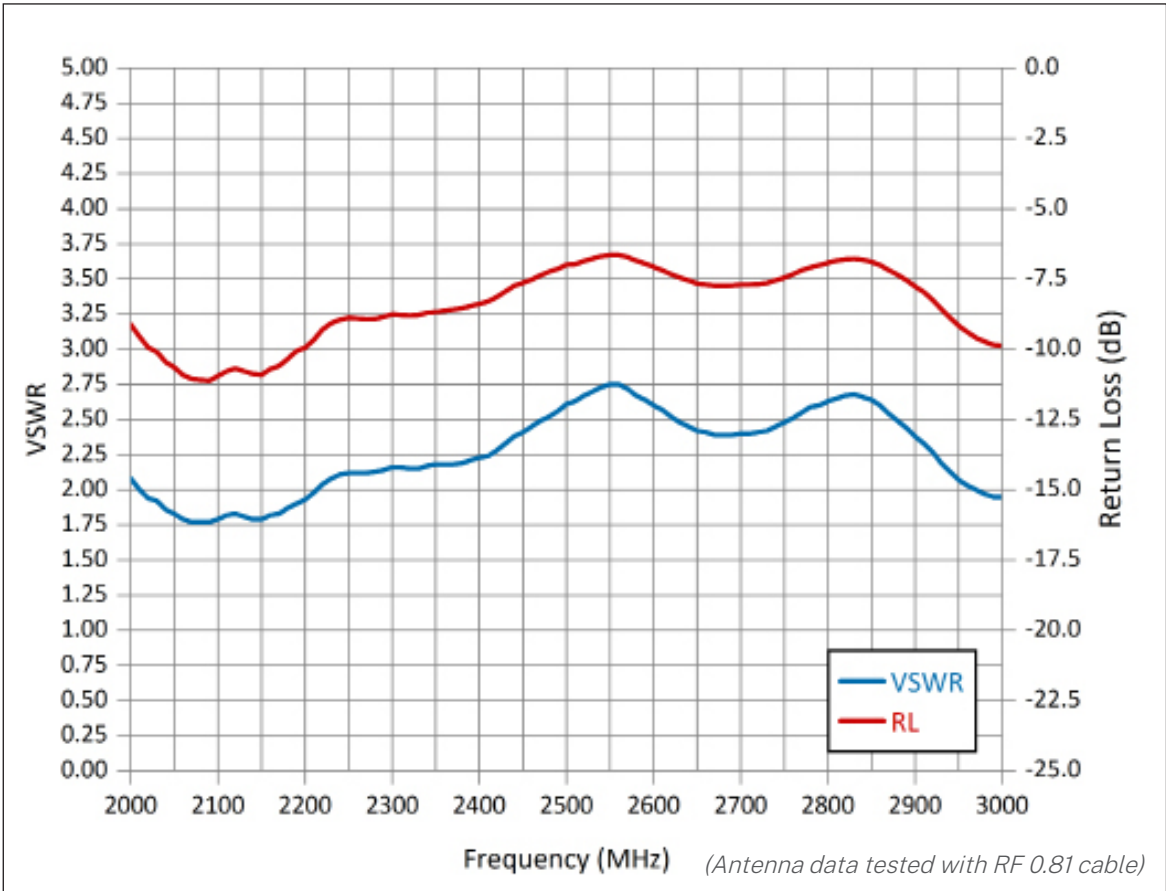


5 REFERENCE GUIDE

Technical Features	2400-2500 MHz
Peak Gain	Up to 2.10 dBi
Max Efficiency	44.93%
Input Impedance	50Ω
Radiation Pattern	Omnidirectional
Polarization	Linear
Operating Temperature	-40°C to +85°C
Material Substance Compliance	RoHS Compliant

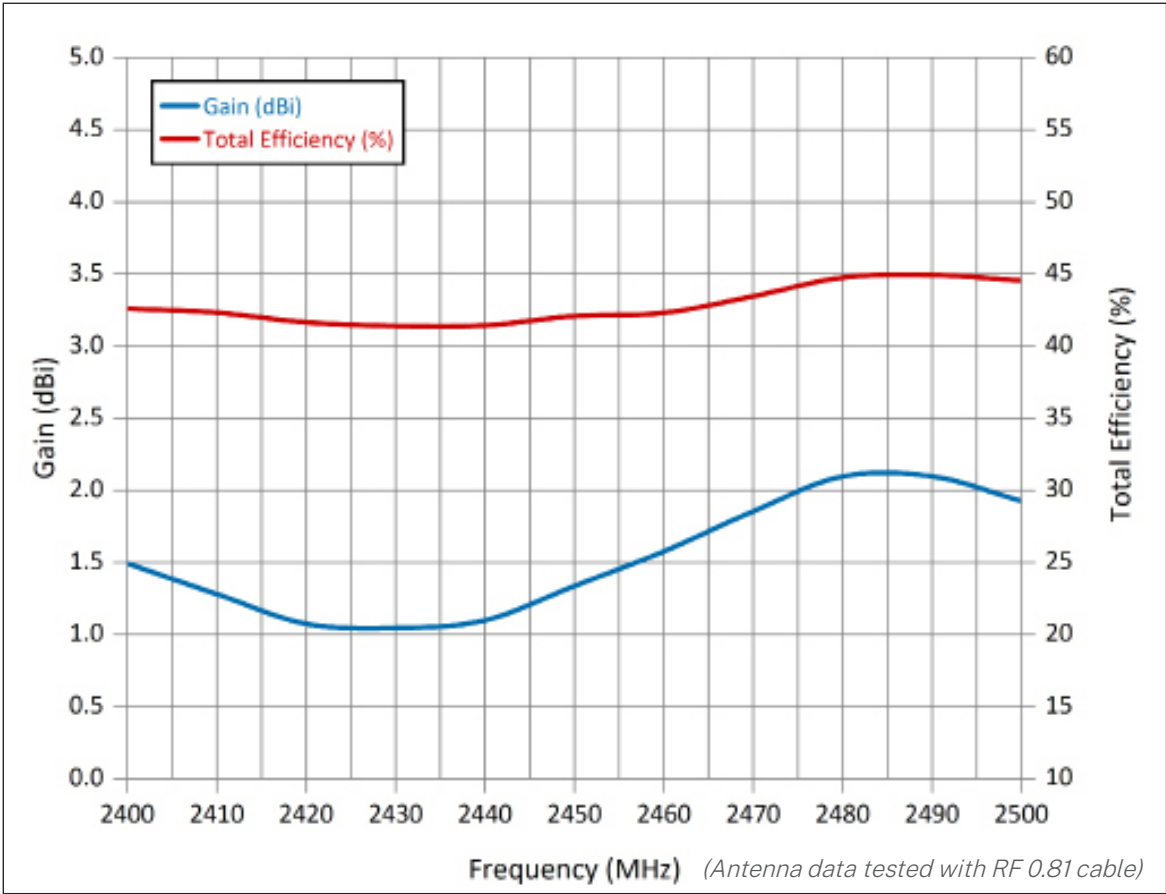
6 ELECTRICAL PERFORMANCE

6.1 VSWR and Return Loss (dB)





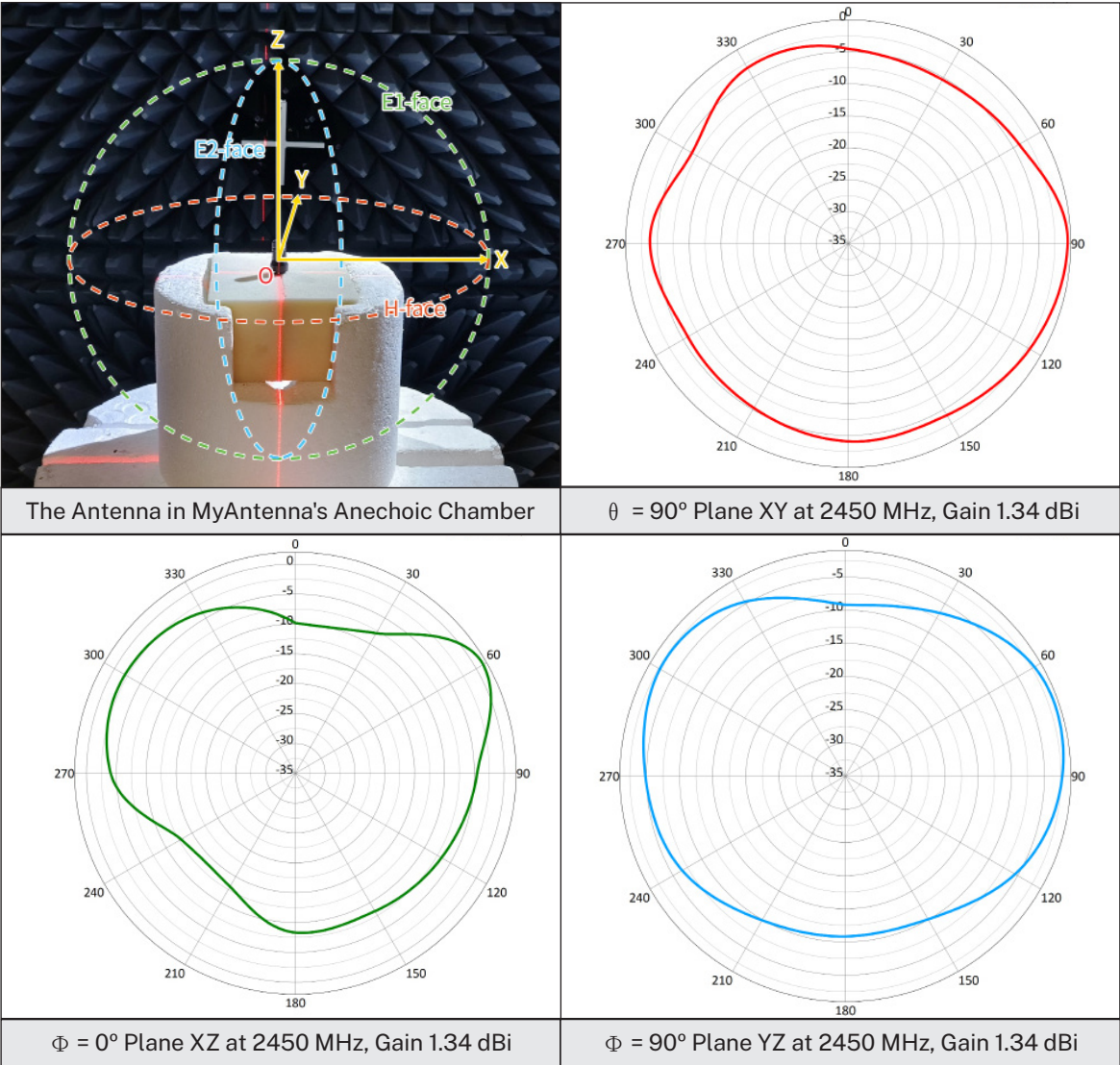
6.2 Gain (dBi) and Total Efficiency (%)



Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	42.60	1.49
2410	42.31	1.28
2420	41.65	1.07
2430	41.39	1.04
2440	41.43	1.10
2450	42.07	1.34
2460	42.30	1.58
2470	43.44	1.85
2480	44.75	2.10
2490	44.93	2.10
2500	44.56	1.93



6.3 Radiation Patterns (2400-2500 MHz)



(Antenna data tested with RF 0.81 cable)



7 WELCOME ALL ANTENNA OEM/ODM PROJECTS

About ABOOSTY



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



House of Aboosty: 1 M+ 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



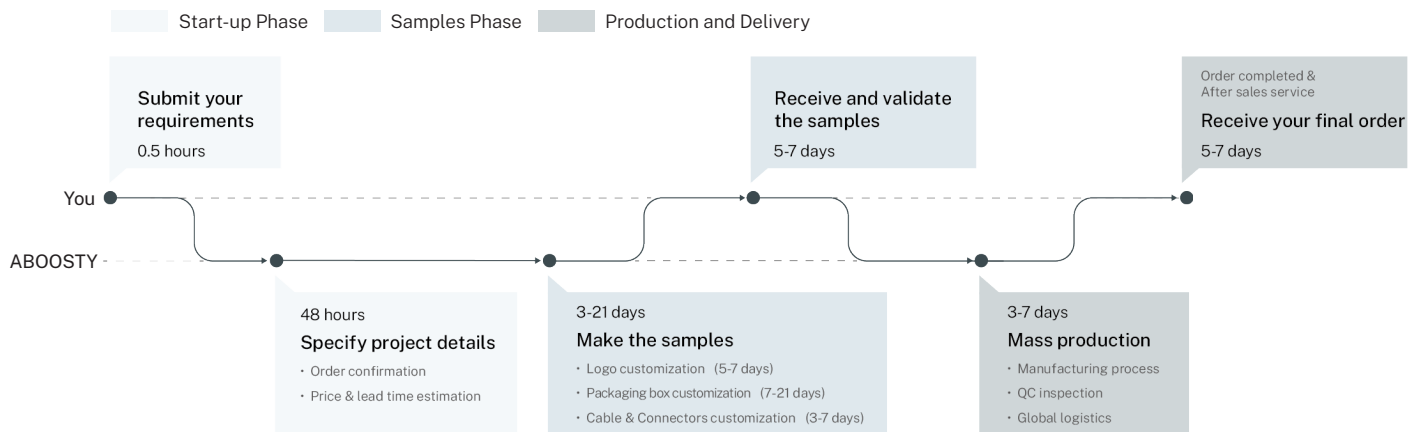
Prompt reply within 24h

What We Provide

OEM/ODM Services	
Light Customization	Deep Customization
• Logo • Packaging • Cables&Connectors	• In-depth tailoring for specific applications • Functional enhancements • Environmental adaptations • Vertical certifications • ...

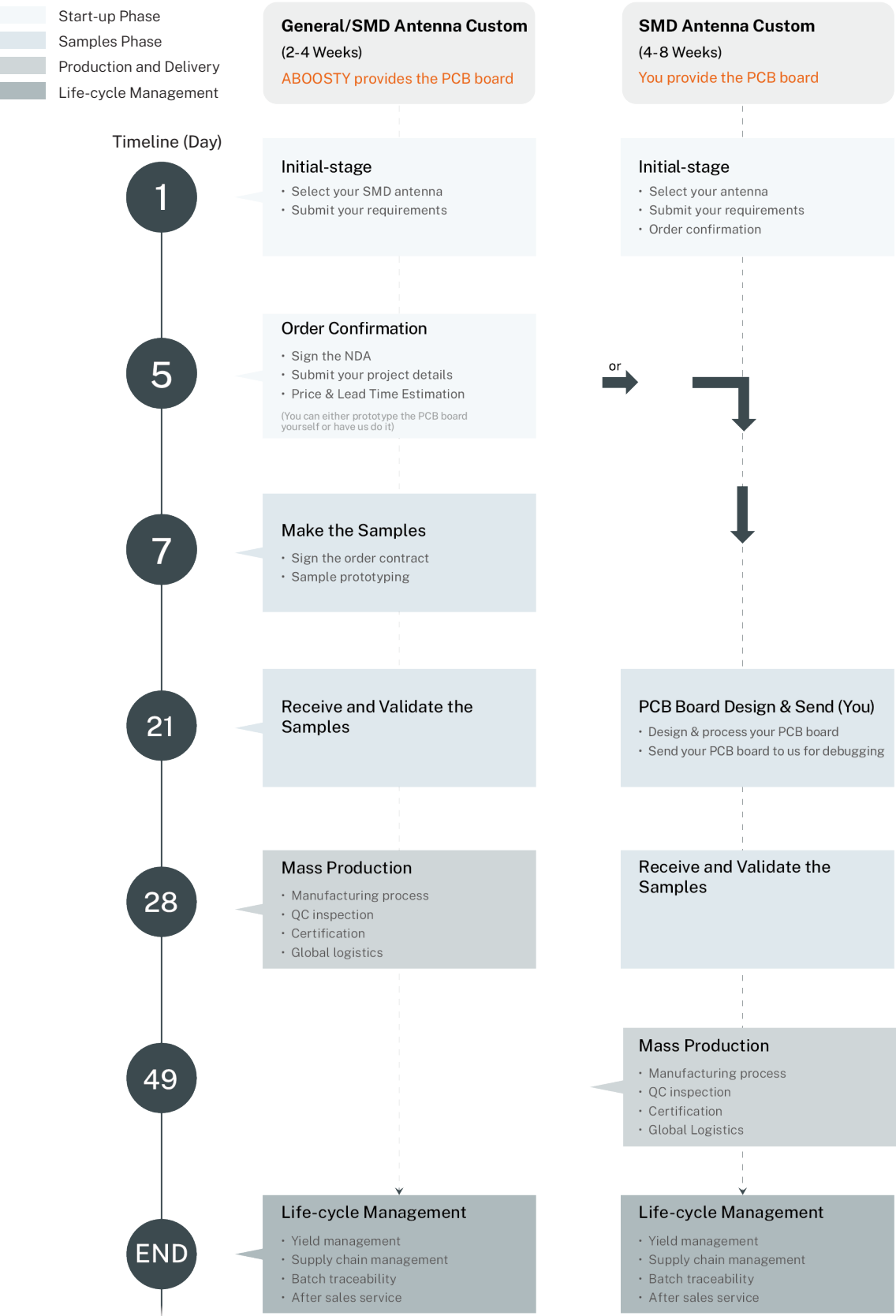
Custom Process

Light Customization Process





Deep Customization Process





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

Visit us at www.aboosty.com

✉ support@aboosty.com ☎ +86 13924678201

