



Antenna Datasheet

Material coding of TOZED:

Material name of TOZED: W19B6VM

Specifications of TOZED:

Supplier:

Supplier material specifications: N12-9627-R0A

	Preparation	Comfirm	Approval	Stamp
Countersign				

TOZED	Purchasing Dept.	R&D Dept.	Marketing Dept.	Engineering Dept.	Quality Dept.
Countersign					
Approval					

Guangzhou headquarters address: Room 1301, No. 37 Jinlong, Nansha Street, Xiangjiang Financial Business Center, Nansha District, Guangzhou City, Guangdong Province

Shenzhen address: Block A, 4th Floor, Tianan Digital Tianji Building, Futian District, Shenzhen City, Guangdong Province

Guangzhou factory address: 3rd Floor, Building 2, No. 7, Nanjiang 2nd Road, Zhujiang Street, Nansha District, Guangzhou

telephone : 0755-83583000

Fax: 0755-83305362

Antenna Datasheet

Customer	TOZED
Project Name	W19B6VM
Customer NO.	
Specification	2.4/5.8G-5
Supplier NO.	N12-9627-R0A
Specification NO.	
Write by	ZHANG BING
REV.	Ver.1
Date	2025/08/26
Note	

CUSTOMER APPROVED BY		
Approved by	Checked by	Prepared by
SUPPLIER APPROVED BY		
Approved by	Checked by	Prepared by

1. Index

No.	Content	Page
–	Title	1
–	Version change record	2
1	Acknowledgment project	3
2	Test equipment and conditions	4
3	Prototype structure description	5
4	S11	7
5	Gain/Efficiency/3D Graph	8
6	Packaging	9

Notes:

Mass order will be produced and inspected base on signed samples and specification sheet is for reference only. Specification sheet and samples are acceptable by default if not counter-signed back.

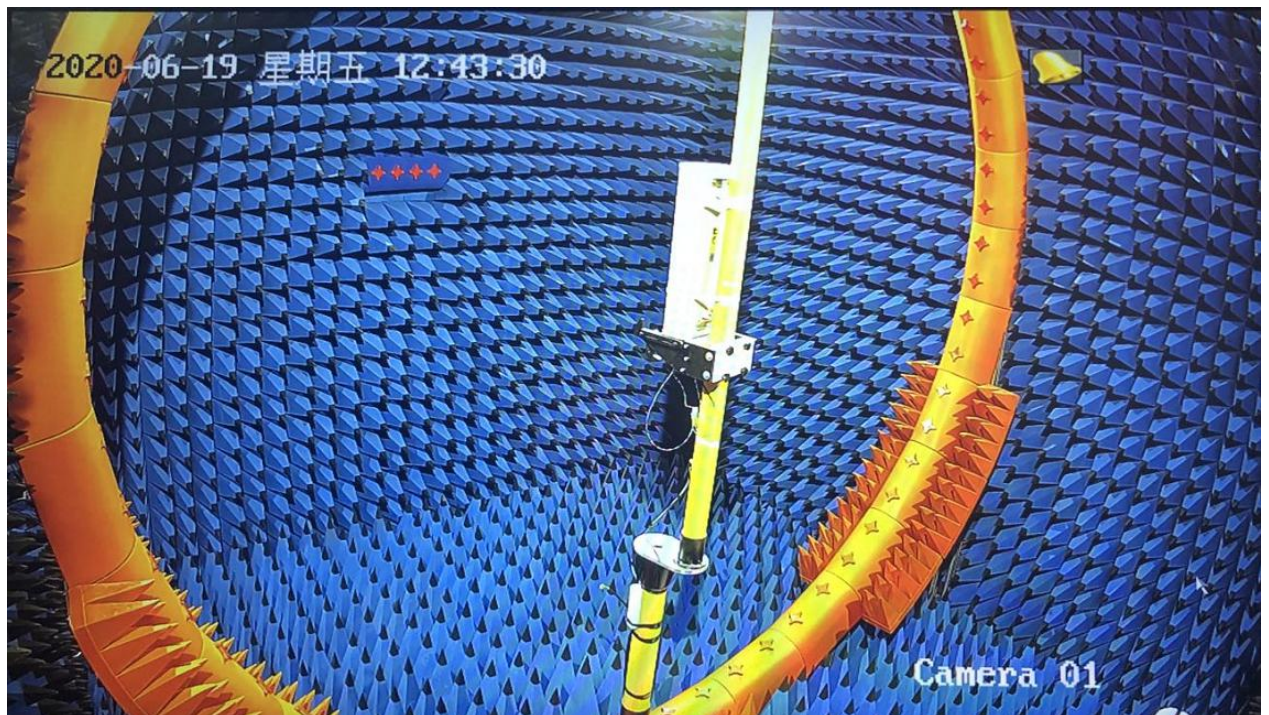
Packaging way: Carton, Delivery to company.

2. Test Equipment & Conditions

2.1. Network Analyzers : KEYSIGHT P5002A

2.2. Communications Test Set: R&S CMW 500

2.3. 3D Chamber Test System: 64 probe test system



3. Mechanical instruction



1		2		3		4		5		6		7		8	
Silk screen content: W19b6VM-V01-2.4/5.8G-5(GY) ● 10 ① ② Technical drawing showing dimensions and callouts for a cable antenna assembly. Dimensions include: 1 ± 0.1, 42 ± 0.3, 13 ± 0.3, 270 ± 5, and 2 - Ø2 ± 0.15. Callouts 1 and 2 point to specific features.								Rev		Description		Date		Remark	
								A		New drawing					

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

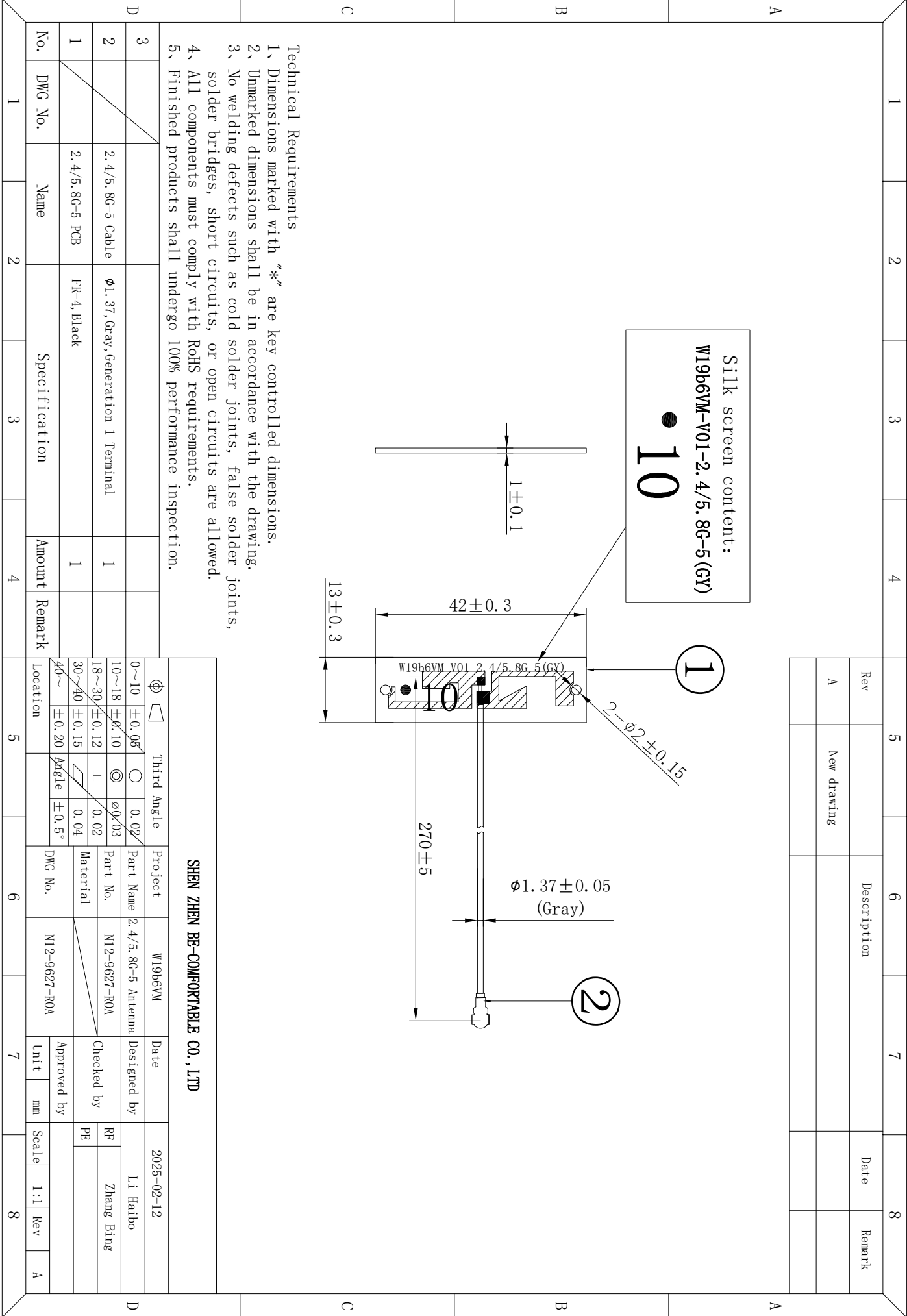
A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

A		B		C	
1		2		3	
4		5		6	
7		8		9	

||
||
||



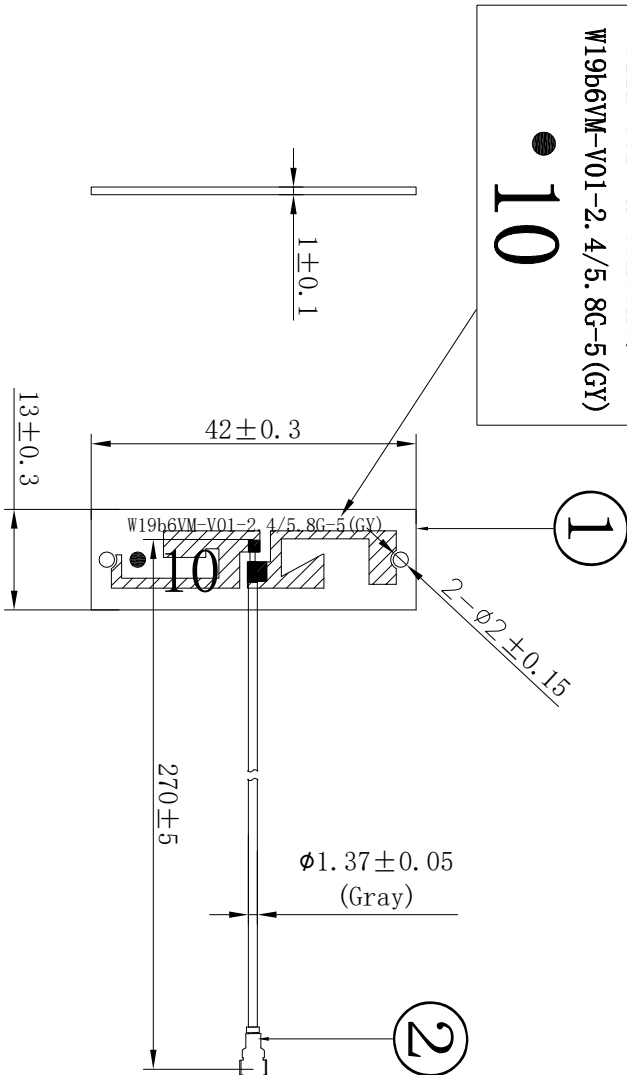
	1	2	3	4	5	6	7	8
A					Rev	Description	Date	Remark
B					A	New drawing		
C								

Silk screen content: W19b6VM-V01-2.4/5.8G-5(GY)								
● 10 ① ②								

Technical Requirements			
1、Dimensions marked with “*” are key controlled dimensions.			
2、Unmarked dimensions shall be in accordance with the drawing.			
3、No welding defects such as cold solder joints, false solder joints, solder bridges, short circuits, or open circuits are allowed.			
4、All components must comply with RoHS requirements.			
5、Finished products shall undergo 100% performance inspection.			

No.	DWG No.	Name	Specification	Amount	Remark
1		2.4/5.8G-5 PCB	FR-4, Black	1	
2		2.4/5.8G-5 Cable	Φ1.37, Gray, Generation 1 Terminal	1	
3					

SHEN ZHEN BE-COMFORTABLE CO., LTD									
		Third Angle		Project		Date		2025-02-12	
0~10		±0.06		○		0.02		Part Name	
10~18		±0.10		◎		∅0.03		2.4/5.8G-5 Antenna	
18~30		±0.12		⊥		0.02		Part No.	
30~40		±0.15		△		0.04		Material	
40~		±0.20		Angle		±0.5°		N12-9627-R0A	
Location				DWG No.		N12-9627-R0A		Approved by	
								Unit	
								mm	
								Scale	
								1:1	
								Rev	
								A	

1		2		3		4		5		6		7		8	
Silk screen content: W19b6VM-V01-2.4/5.8G-5(GY) ● 10 ① ② 				Rev		Description		Date		Remark					
				A		New drawing									

Technical Requirements

1、Dimensions marked with “*” are key controlled dimensions.

2、Unmarked dimensions shall be in accordance with the drawing.

3、No welding defects such as cold solder joints, false solder joints, solder bridges, short circuits, or open circuits are allowed.

4、All components must comply with RoHS requirements.

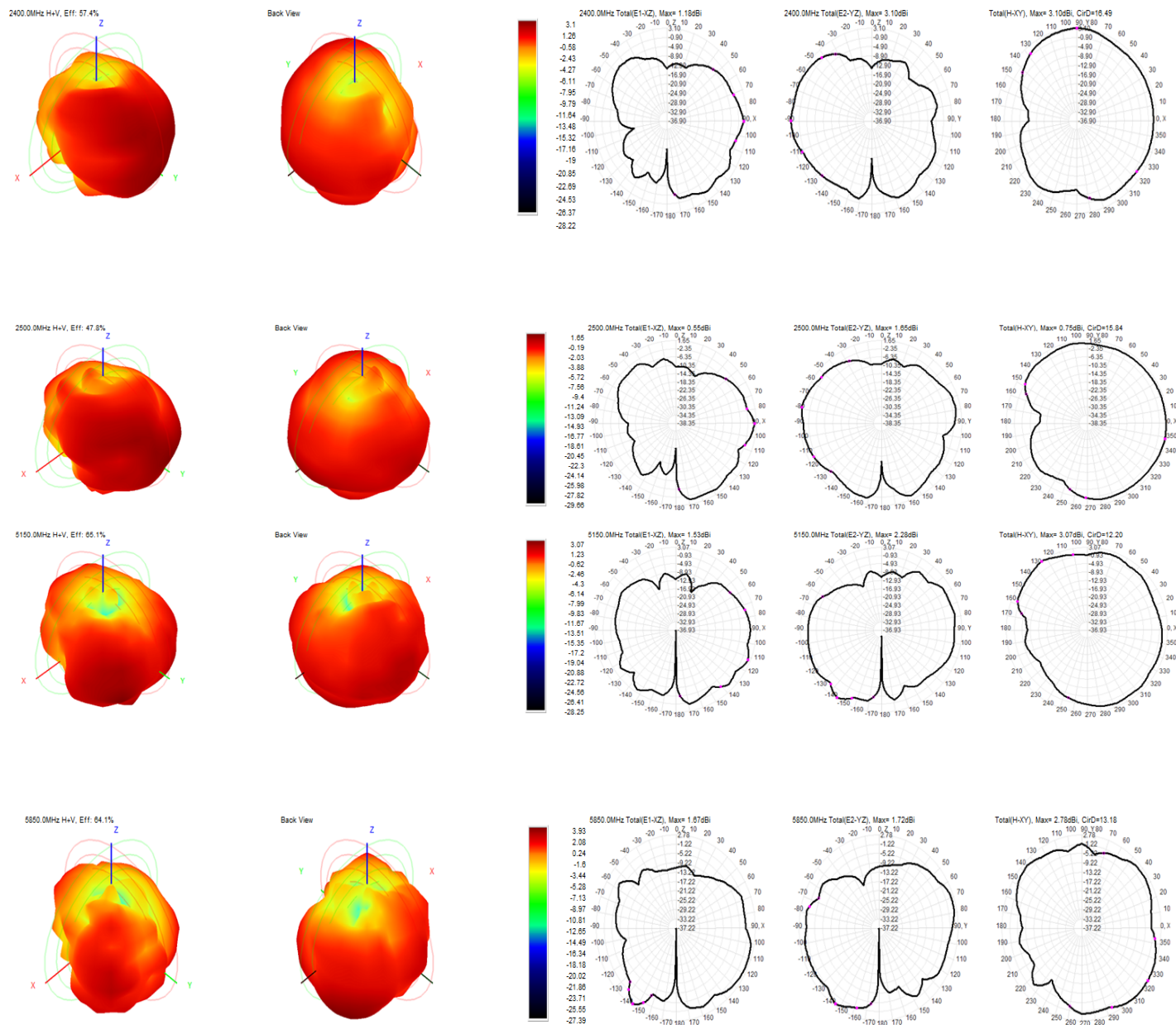
5、Finished products shall undergo 100% performance inspection.

SHEN ZHEN BE-COMFORTABLE CO., LTD											
		Third Angle		Project		W19b6VM		Date		2025-02-12	
0~10		±0.06		○		0.02		Part Name		2.4/5.8G-5 Antenna	
10~18		±0.10		◎		0.03		Part No.		N12-9627-R0A	
18~30		±0.12		⊥		0.02		Material		N12-9627-R0A	
30~40		±0.15		△		0.04		DWG No.		N12-9627-R0A	
40~		±0.20		∠ angle		±0.5°		Approved by		Unit	
Location		5		6		7		mm		Scale	
										1:1	
										Rev	
										A	

. Gain & Efficiency& 3D Pattern-ANT1

Frequency ID	Frequency (M	Gain (dBi)	Efficiency (%)
1	2400.0	3.10	57.37
2	2410.0	3.05	57.93
3	2420.0	2.97	56.63
4	2430.0	2.80	55.24
5	2440.0	2.67	52.45
6	2450.0	2.81	51.23
7	2460.0	2.85	52.21
8	2470.0	2.54	52.55
9	2480.0	2.15	52.44
10	2490.0	1.76	49.21
11	2500.0	1.65	47.79
12	5150.0	3.07	65.13
13	5200.0	3.01	64.93
14	5250.0	3.07	64.42
15	5300.0	3.26	64.58
16	5350.0	3.12	62.85
17	5400.0	3.21	60.02
18	5450.0	3.00	60.28
19	5500.0	2.74	61.08
20	5550.0	3.11	62.48
21	5600.0	3.40	61.35
22	5650.0	3.57	61.17
23	5700.0	3.91	60.37
24	5750.0	4.16	60.00
25	5800.0	4.17	61.80
26	5850.0	3.93	64.11

. Gain & Efficiency& 3D Pattern-ANT1



Packaging method

DATE: 2025-02-13

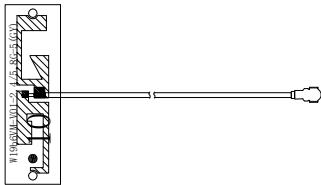
page: 1 of 1

Name :2.4/5.8G-5 Antenna

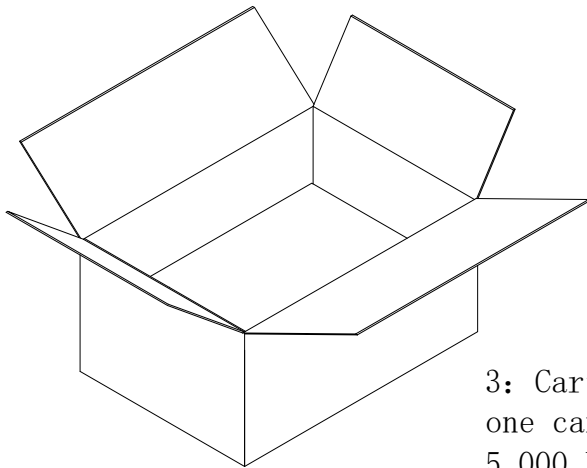
Edition: A

Customer:TOZED

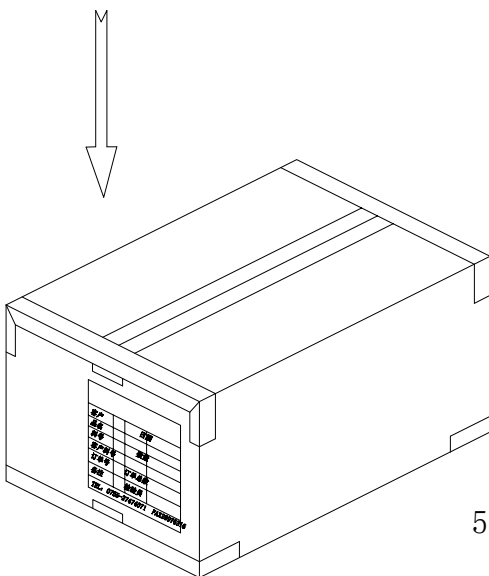
1: Antenna



2: Bagging: Pack 50 PCS of products in each PE bag; the terminals shall be wrapped with EPE foam (subject to actual packaging).



3: Carton Packing: Pack 10 large bags into one carton; one carton contains a total of 5,000 PCS of products (subject to actual packaging).



5: Seal the box and paste our priduction label on the outer box.

Approval: _____

Confirm: _____

Fiction: Li Haibo