



Antenna Datasheet

Material coding of TOZED:

Material name of TOZED: W19B6VM

Specifications of TOZED:

Supplier:

Supplier material specifications: N12-9629-R0A

	Preparation	Comfirm	Approval	Stamp
Countersign				

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

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Antenna Datasheet

Customer	TOZED
Project Name	W19B6VM
Customer NO.	
Specification	6G-2
Supplier NO.	N12-9629-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

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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.

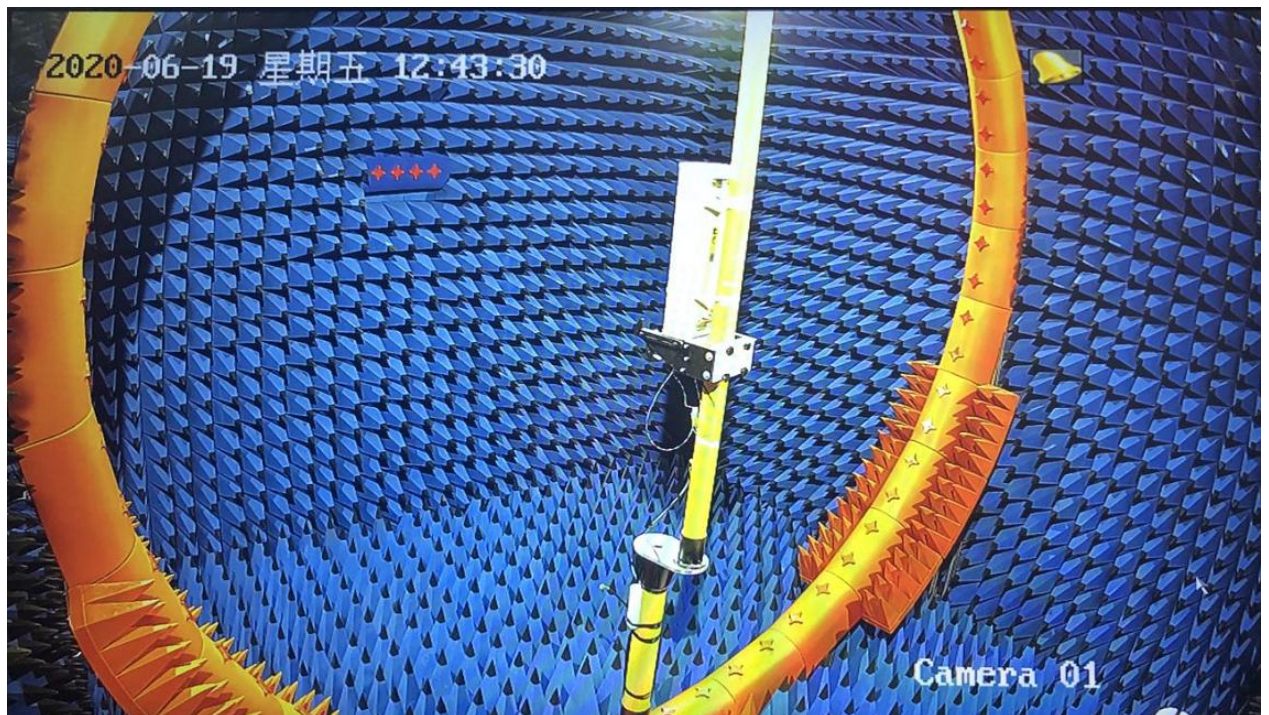
Packaging way: Carton, Delivery to company.

2. Test Equipment & Conditions

2.1. Network Analyzers : KEYSIGHT P5002A

2.2. Communications Test Set: R&S CMW 500

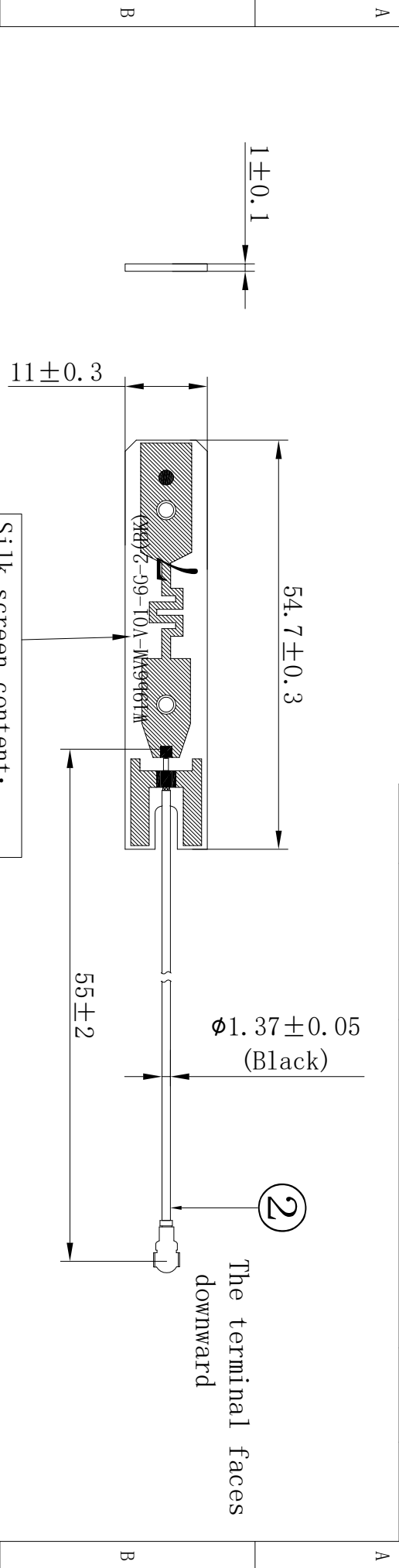
2.3. 3D Chamber Test System: 64 probe test system



3. Mechanical instruction



1	2	3	4	5	6	7	8
				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.

No.	DWG No.	Name	Specification	Amount	Remark
1	6G-2 PCB	FR-4, Black	1		
2	6G-2 Cable	φ1.37, Black, Generation 1 Terminal	1		
3					

Location	Third Angle	Project	Date	2025-02-12
0~10	±0.06	○	0.02	
10~18	±0.10	◎	φ0.03	
18~30	±0.12	⊥	0.02	
30~40	±0.15	∠	0.04	
40~	±0.20	Angle	±0.5°	

DWG No.	Material	Part No.	Part Name	Project	W19b6VM
N12-9629-R0A		N12-9629-R0A	6G-2 Antenna		

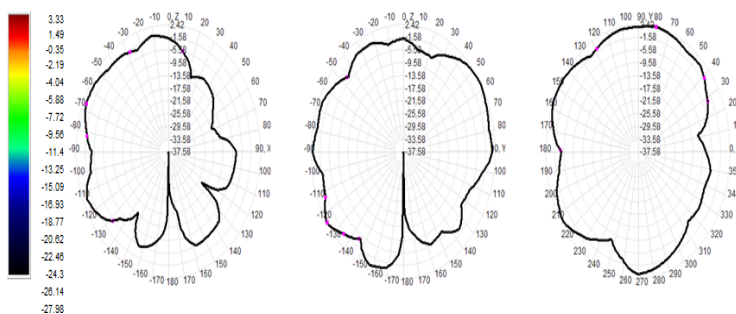
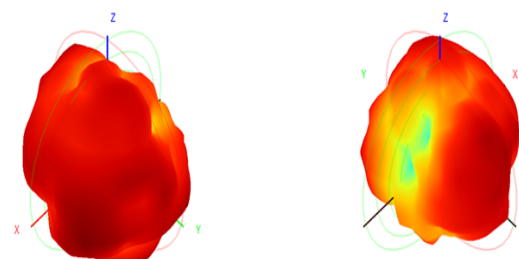
Unit	mm	Scale	1:1	Rev	A
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. Gain & Efficiency& 3D Pattern-ANT1

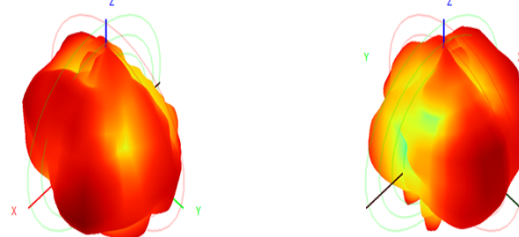
Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (%)
1	5900.0	3.33	60.10
2	5950.0	3.66	60.23
3	6000.0	3.45	58.74
4	6050.0	3.25	58.26
5	6100.0	3.29	57.29
6	6150.0	3.56	57.10
7	6200.0	3.56	58.28
8	6250.0	3.20	56.64
9	6300.0	3.69	58.98
10	6350.0	4.24	59.18
11	6400.0	4.85	61.88
12	6450.0	4.97	61.19
13	6500.0	4.80	61.88
14	6550.0	4.72	63.33
15	6600.0	4.16	61.30
16	6650.0	3.98	62.76
17	6700.0	3.87	63.29
18	6750.0	3.46	62.37
19	6800.0	3.40	60.67
20	6850.0	3.21	57.64
21	6900.0	3.51	56.76
22	6950.0	3.23	54.40
23	7000.0	2.79	50.90
24	7050.0	2.83	52.05
25	7100.0	2.71	53.28
26	7150.0	2.50	53.05
27	7200.0	2.38	53.12

. Gain & Efficiency & 3D Pattern-ANT1

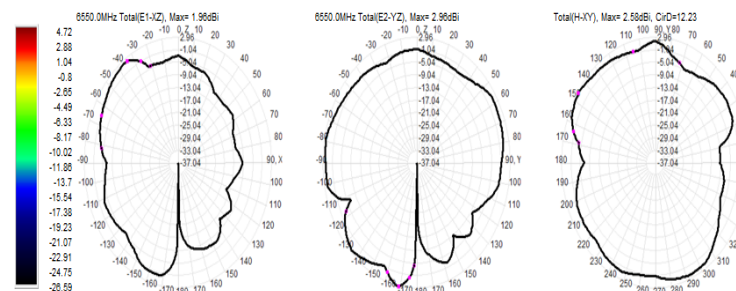
5900.0MHz H+V, Eff: 80.1%



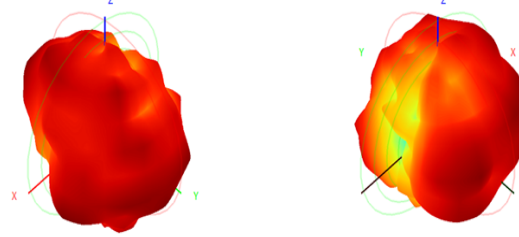
6550.0MHz H+V, Eff: 83.3%



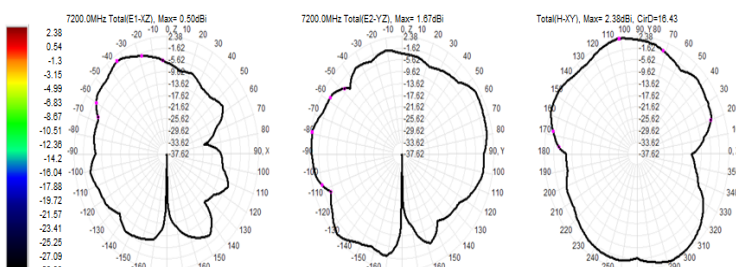
Back View



7200.0MHz H+V, Eff: 53.1%



Back View



Packaging method

DATE: 2025-02-13

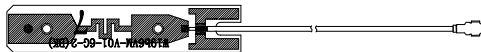
page: 1 of 1

Name :6G-2 Antenna

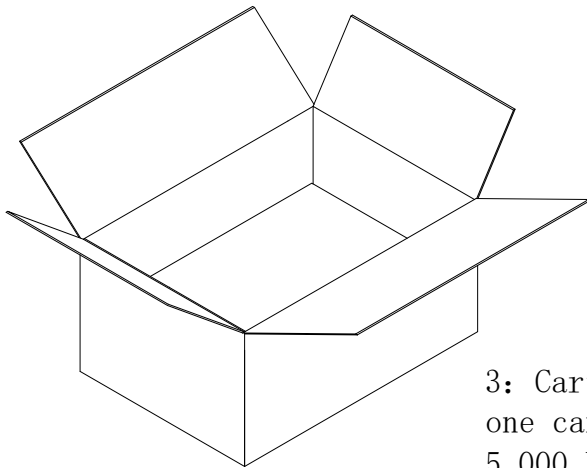
Edition: A

Customer:TOZED

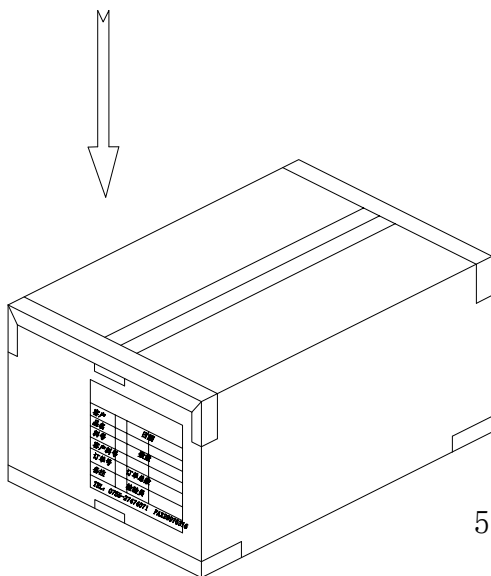
1: Antenna



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