

APPROVAL SHEET

Sample seal

Customer Name XIAOMI

Product Model RD23

Customer P/N L530100074621

Specifications 5G-2, 5dBi, White housing, 1.37White RFcable L=160mm

Southstar P/N 3.N102.1052

Production date 2024-03-15

Revision 1.0

Southstar		
FICTION	DQE	R&D
Customer		
PUR	QC	R&D

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Antenna Specification

A. Electrical Characteristics	
Frequency	5150MHz~5850 MHz
VSWR	≤2
Efficiency	>60%
Impedance	50 Ohm
Polarization	Linear
Gain	5800 MHz@6.41dBi
Note	
B. Material & Mechanical Characteristics	
Material of Radiator	
Cable Type	5G: 1.37 White
Connector Type	soldering
C. Environmental	
Operation Temperature	- 30 °C ~ + 65 °C
Storage Temperature	- 40 °C ~ + 70 °C

Rev		Description	Date	Remark
A		New drawing	2024-03-15	

1		2		3		4		5		6		7		8	
						Rev	Description				Date	Remark			
							New drawing				2024-03-15				

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South
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Test Equipment & Conditions

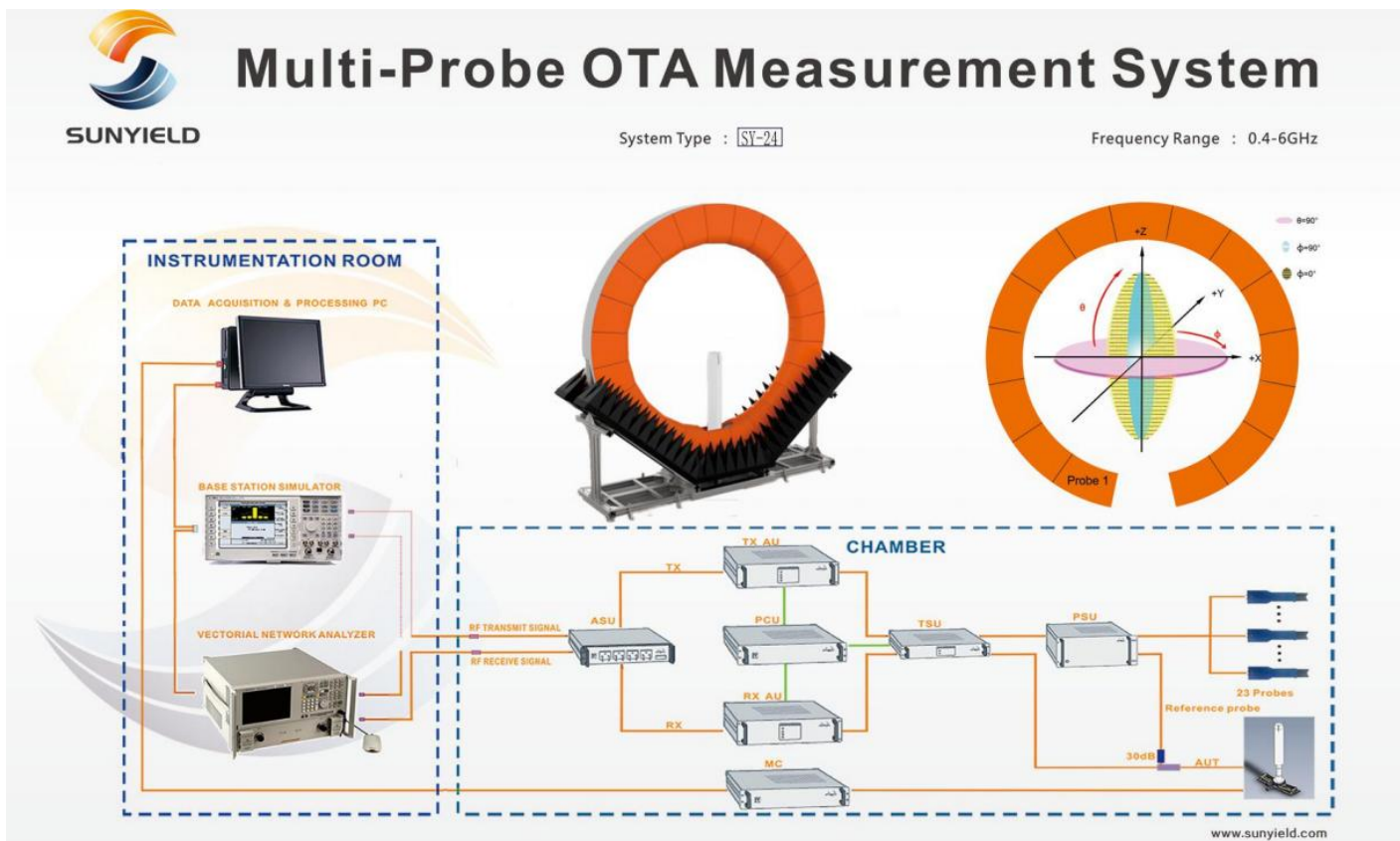
1. NetWork Analyzers:

Keysight E5071C

2. Comprehensive tester:

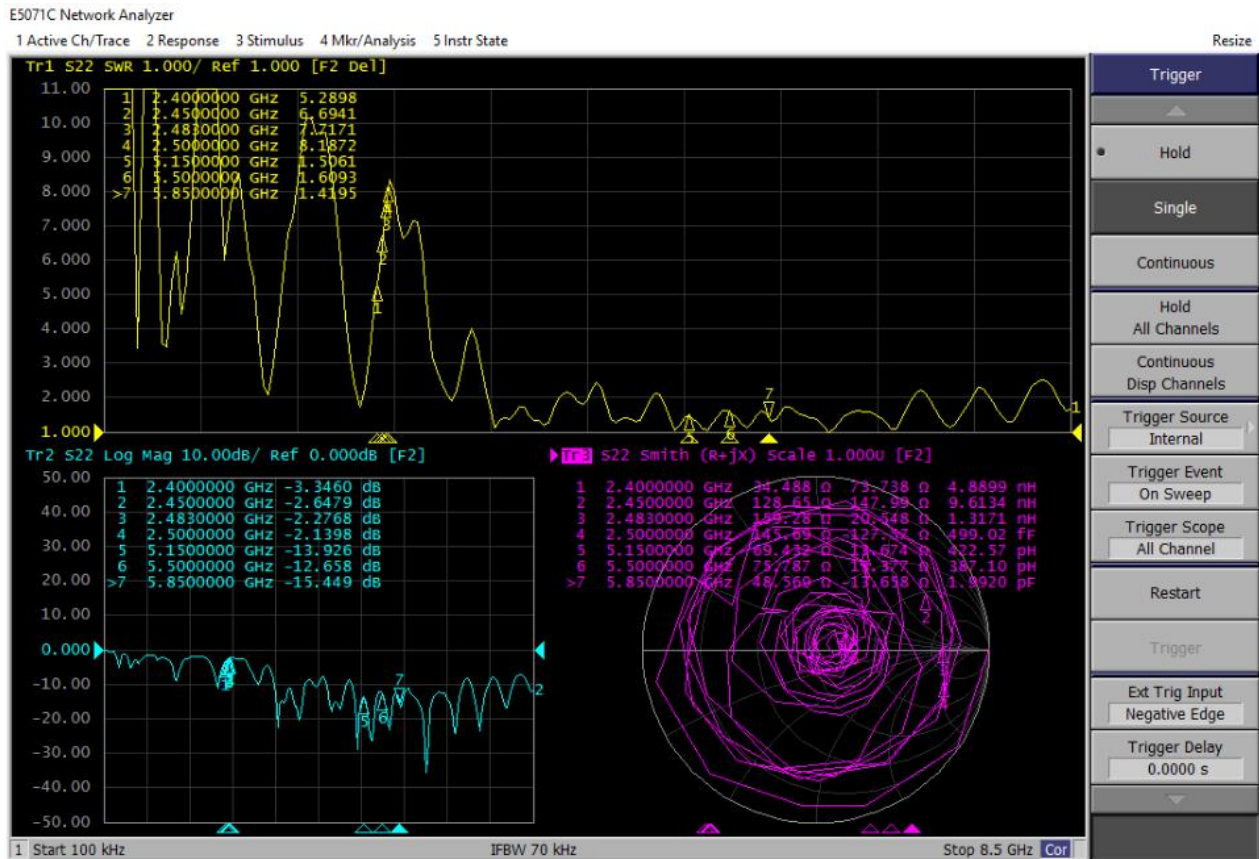
CMW500 、 MT8000A、 MT8862A

3. 3D Chamber Test System:



Antenna Impedance:

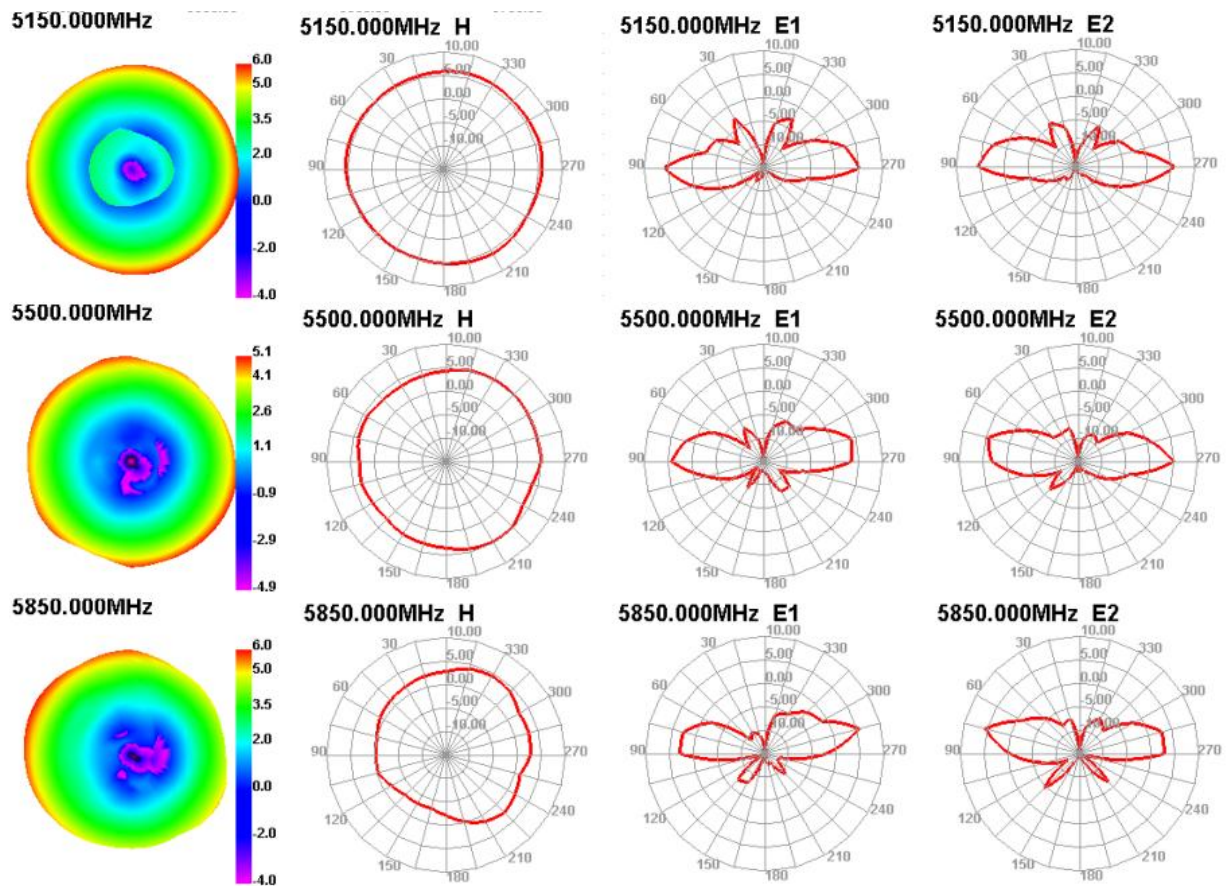
S11



效率&增益(Efficiency & Gain):

Freq (MHz)	Effi (%)	Gain (dBi)
5150	79.86	6.02
5200	74.09	5.46
5250	69.2	5.01
5300	72.16	5.07
5350	74.05	5.03
5400	71.59	4.8
5450	68.68	4.48
5500	77.11	5.13
5550	79.88	5.25
5600	76.52	5.24
5650	73.96	5.36
5700	71.04	5.62
5750	68.77	6.02
5800	69.55	6.41
5850	76.03	6.03

Antenna 3D & 2D pattern:





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antenna assembly picture:

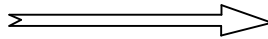


Date: 2023-06-05

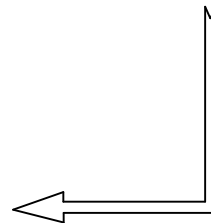
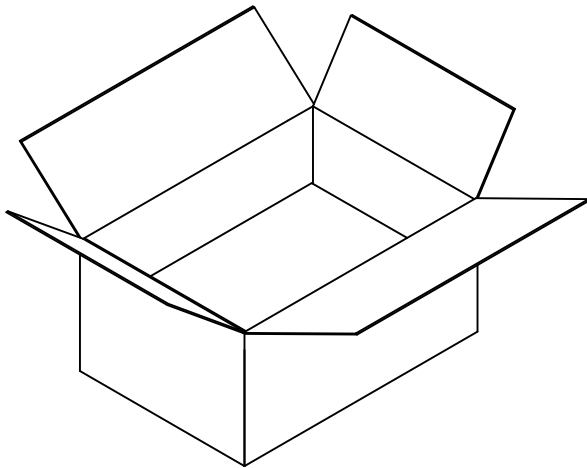
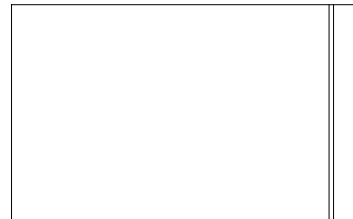
page: 1 of 1

Name : MD03 Antenna	Version: A
	Customer: XIAOMI

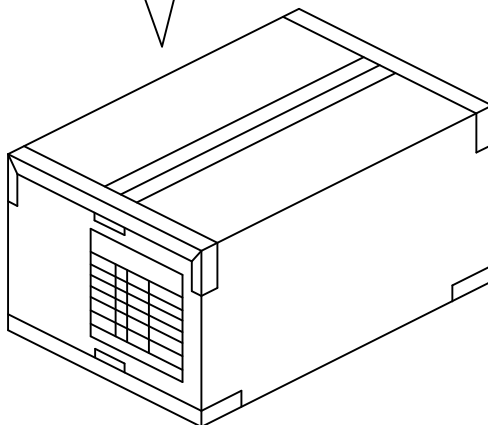
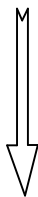
1: The product



二: 30PCS/per PE Bag。



3.Packing (according to the actual quantity of packing)



Production: Kenny

Approved: Zhanghui