

APPROVAL SHEET

Sample seal

Customer Name XIAOMI

Product Model RD23

Customer P/N L530100074521

Specifications 5G-1, 5dBi, White housing, 1.37Black RFcable L=215mm

Southstar P/N 3.N102.1051

Production date 2024-03-15

Revision 1.0

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

Manufacturers: SHENZHEN SOUTH STAR TECHNOLOGY CO., LTD**Office address:** 803, Tianshu block, Xinggang tongchuanghui, No. 6099, Bao'an Avenue, Xinhe community, Fuhai street, Bao'an District, Shenzhen**Production address:** No. 3, Chigang Nanfang 1st Road, Humen Town, Dongguan City, Guangdong Province**Tel:** 0755-27474071 0769-88086190**Http:** //www.southstar-tech.com



History

[illegible]

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Antenna Specification

A. Electrical Characteristics	
Frequency	5150MHz~5850 MHz
VSWR	≤2
Efficiency	>60%
Impedance	50 Ohm
Polarization	Linear
Gain	5850 MHz@5.93dBi
Note	
B. Material & Mechanical Characteristics	
Material of Radiator	
Cable Type	5G: 1.37 Black
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	

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South
star

SHENZHEN SOUTH STAR TECHNOLOGY CO., LTD

Test Equipment & Conditions

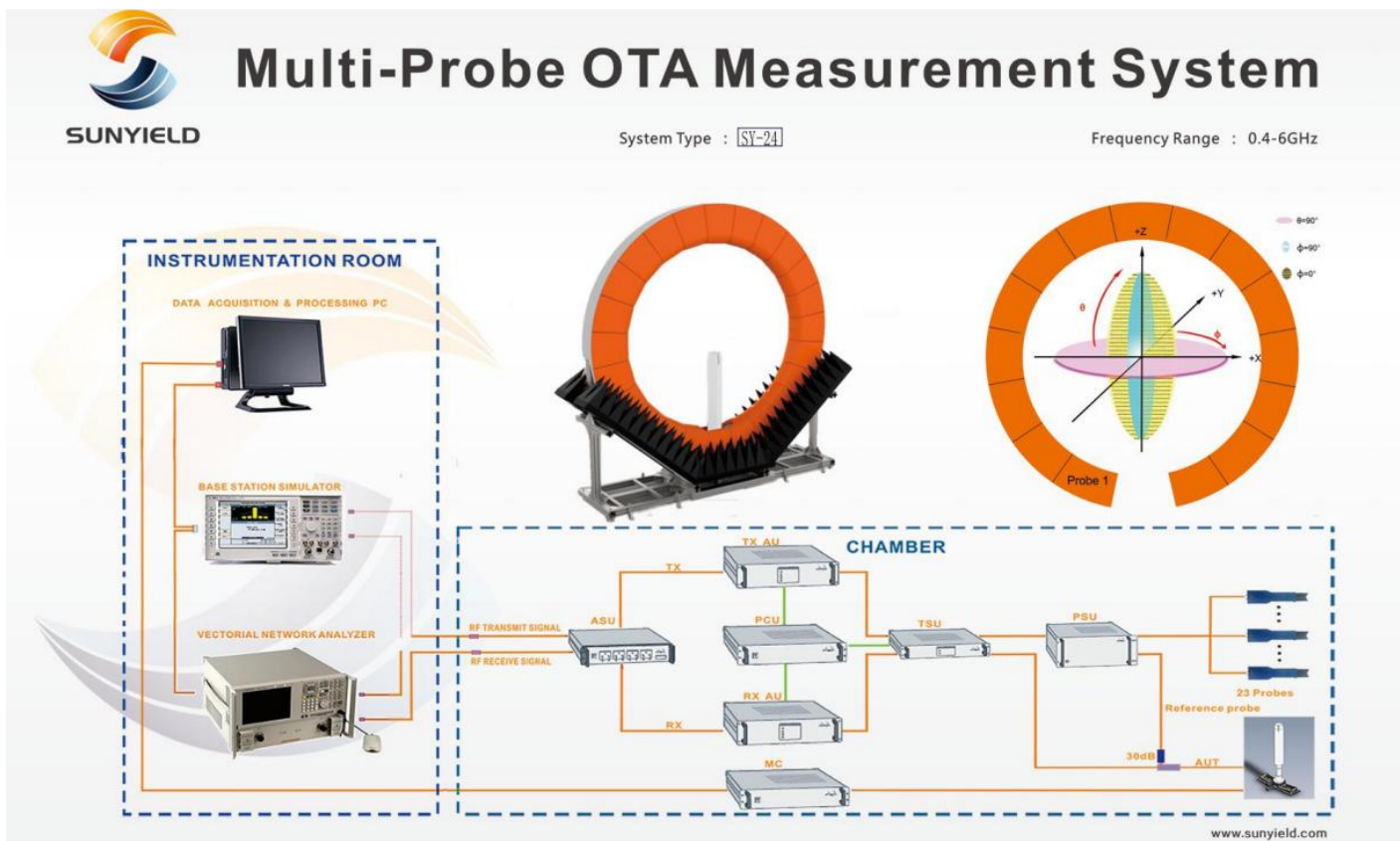
1. NetWork Analyzers:

Keysight E5071C

2. Comprehensive tester:

CMW500 、 MT8000A、 MT8862A

3. 3D Chamber Test System:



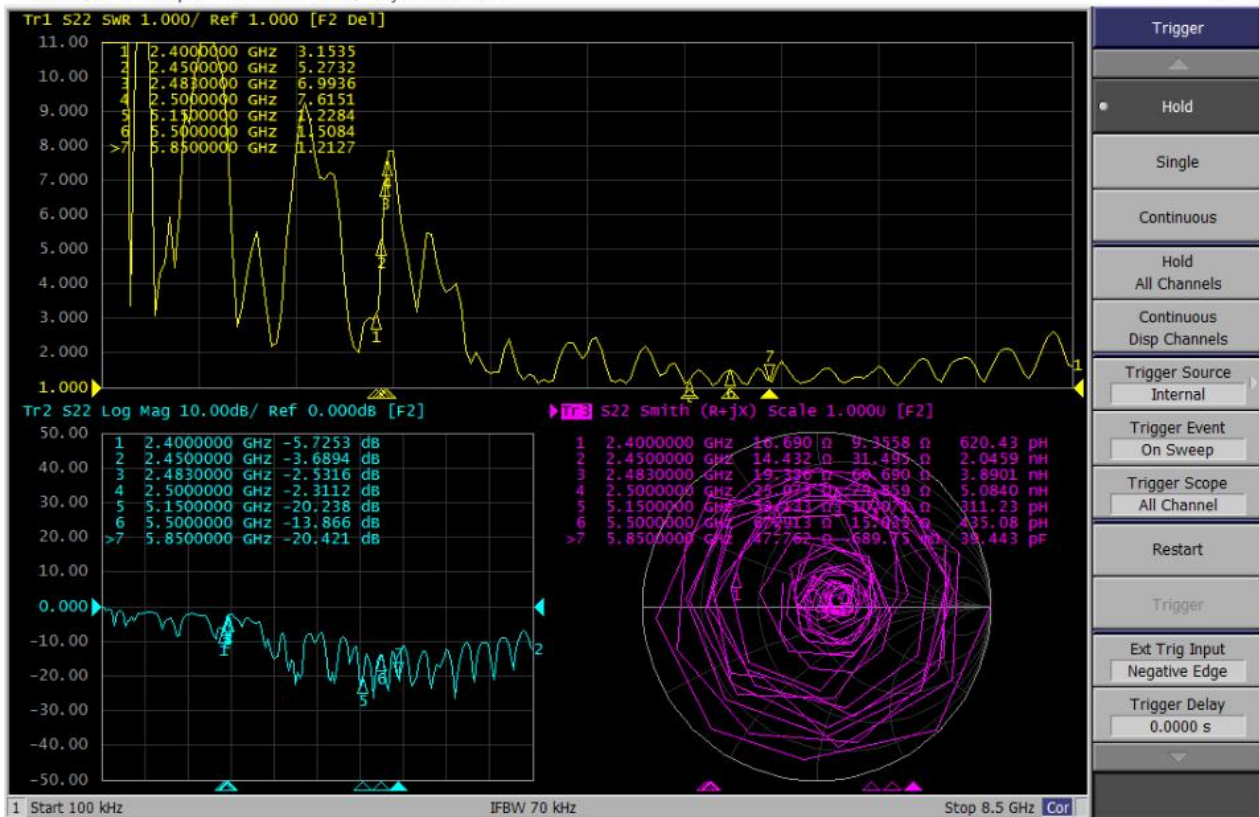
Antenna Impedance:

S11

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize

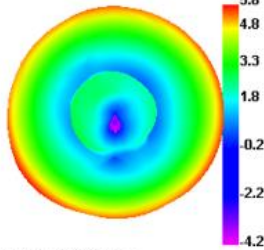


效率&增益(Efficiency & Gain):

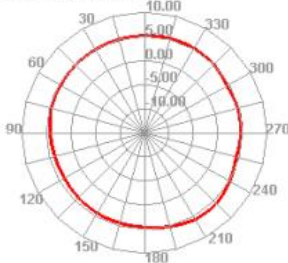
Freq (MHz)	Effi (%)	Gain (dBi)
5150	74.13	5.76
5200	66.59	5.25
5250	61.36	4.76
5300	64.16	4.87
5350	67.24	5.23
5400	66.37	5
5450	62.86	4.92
5500	69.72	5.46
5550	73.42	5.75
5600	70.61	5.71
5650	68.25	5.7
5700	67.3	5.85
5750	63.71	5.78
5800	62.85	5.61
5850	71.03	5.93

Antenna 3D & 2D pattern:

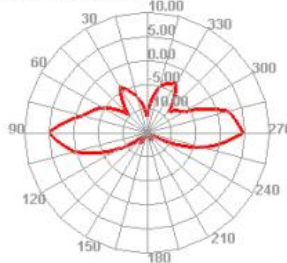
5150.000MHz



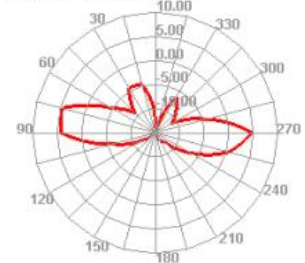
5150.000MHz H



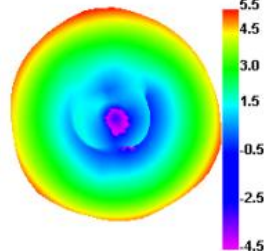
5150.000MHz E1



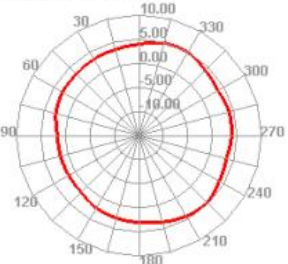
5150.000MHz E2



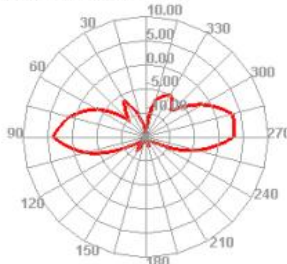
5500.000MHz



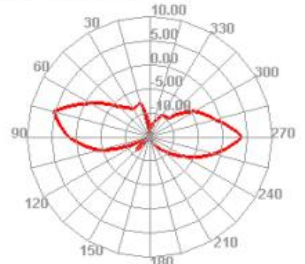
5500.000MHz H



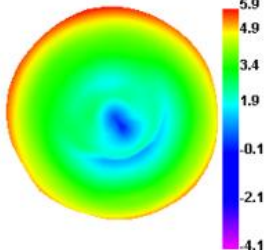
5500.000MHz E1



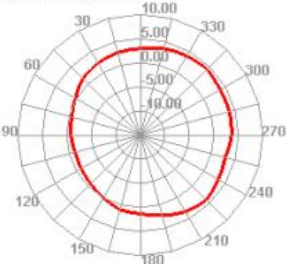
5500.000MHz E2



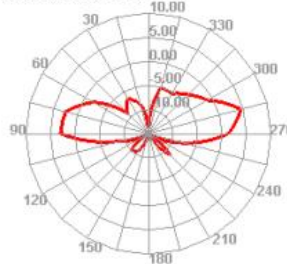
5850.000MHz



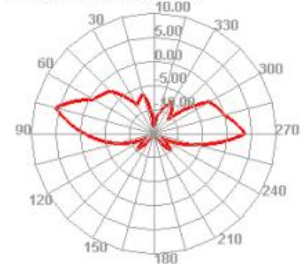
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



antenna assembly picture:





日期: 2023-06-05

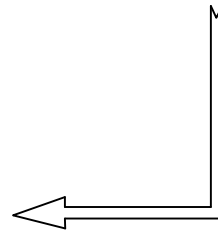
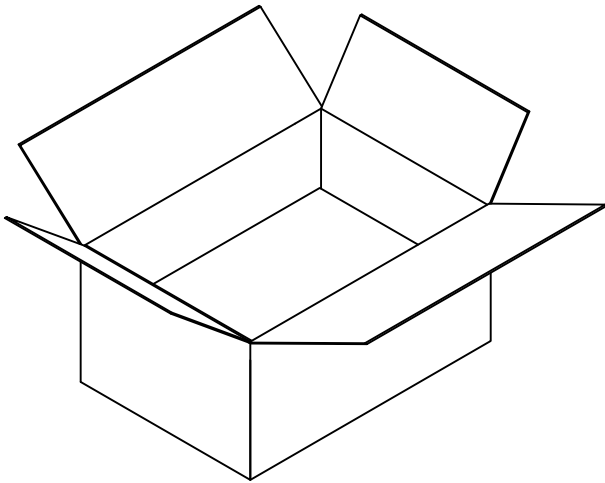
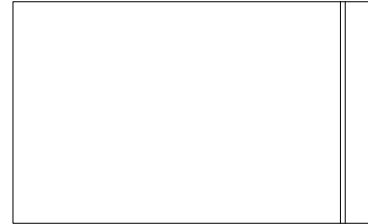
page: 1 of 1

成品名称：MD03 外置天线	版本：A
	客户：小米

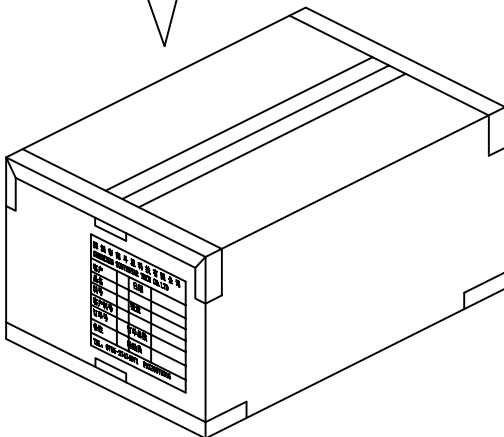
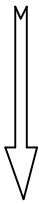
一：成品天线



二：装袋，每PE袋装40PCS产品。



三：装箱(以实际包装数量为准)



四：封箱，外箱贴我司生产标签和ROHS标签。

制作：雷双露

审核：