

APPROVAL SHEET

Customer Name SHENZHEN XIAOMI LLET COMMUNICATION Co., LTD

Product Model NR01

Customer P/N 1710805000236A

Specifications PCB antenna, 2. 4G, 5dBi, 1. 37 gray RFcable L=102mm

Southstar P/N 3. N101. 1508

Production date 2024. 10. 24

Revision V1. 0

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

Manufacturers: DONGGUAN SOUTH STAR TECHNOLOGY CO., LTD

Production address: 3, Chigang Nanfang 1st Road, Humen Town, Dongguan City,
Guangdong Province

Tel: 0755-27474071 0769-88086190

Http: //www.southstar-tech.com

History

Version	Date	Change Description	Note
V1.0	2024.10.24	Initial version	

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The basic parameters:

A. Electrical Characteristics	
Frequency	2400MHz ~ 2500MHz
VSWR	<2
Efficiency	>60%
Impedance	50 Ohm
Polarization	Linear
Peak Gain	5.86dBi@2450MHz
Note:	
B. Material & Mechanical Characteristics	
Material of Radiator	PCB
Cable Type	Ø1.37mm gray
Connector Type	IPEX
C. Environmental	
Operation Temperature	-40°C ~ +70°C
Storage Temperature	-40°C ~ +70°C



South
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SHENZHEN SOUTH STAR TECHNOLOGY CO.,LTD

Test Equipment & Conditions:

1. NetWork Analyzers:

Keysight E5071C

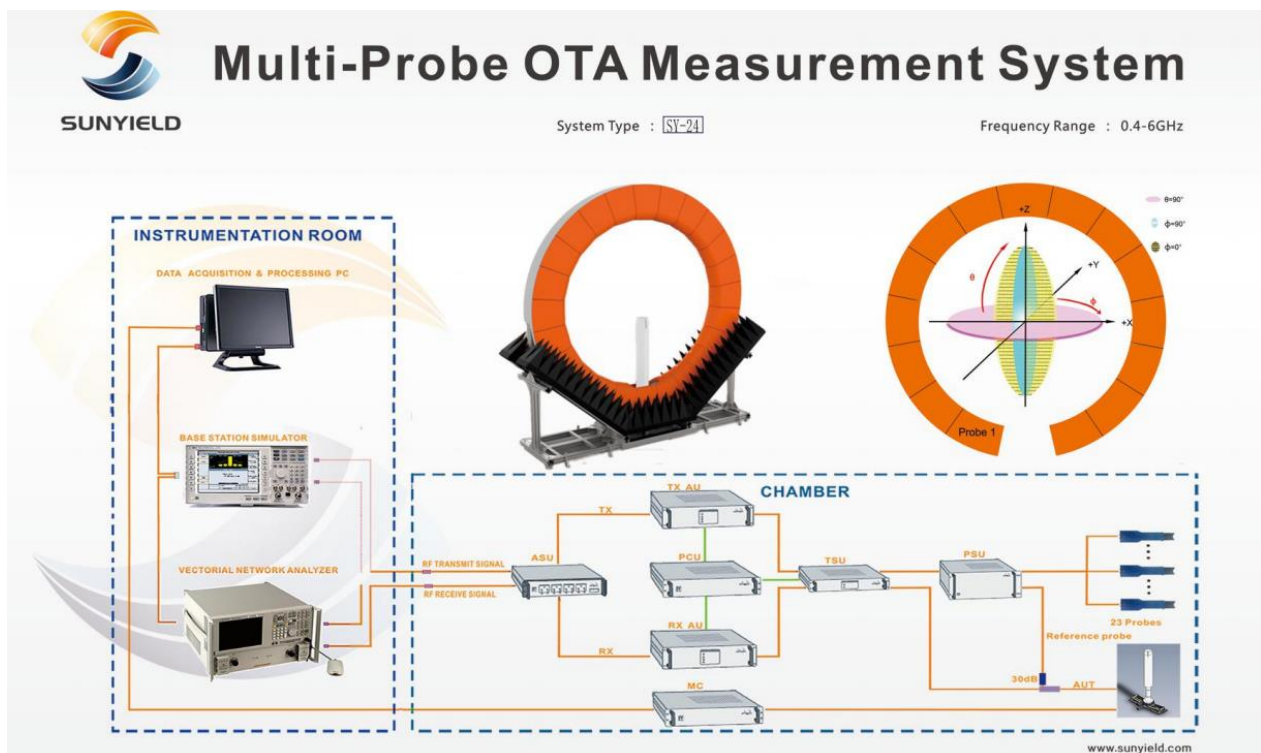
2. Comprehensive tester:

CMW500 、MT8000A、MT8862A

3. 3D Chamber Test System

4. Calibration time

2024. 03. 26~2025. 03. 25



Antenna Impedance: S11

E5071C Network Analyzer

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

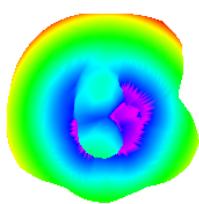


Efficiency & Gain:

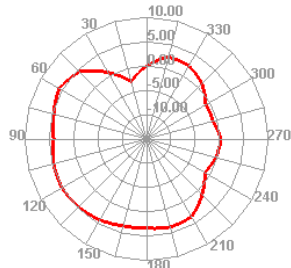
Freq (MHz)	Effi (%)	Gain (dBi)
2400	78.02	5.72
2410	79.01	5.86
2420	79.4	5.92
2430	78.4	5.8
2440	80.25	5.77
2450	83.04	5.86
2460	79.65	5.69
2470	77.51	5.48
2480	77.79	5.48
2490	80.95	5.58
2500	83.43	5.71

Antenna 3D & 2D pattern:

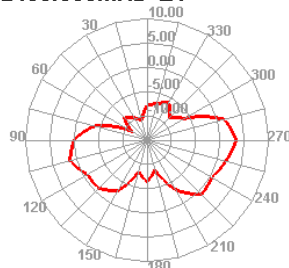
2400.000MHz



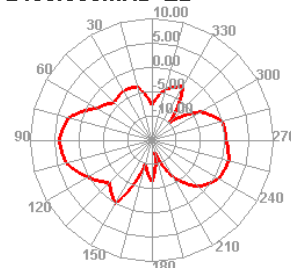
2400.000MHz H



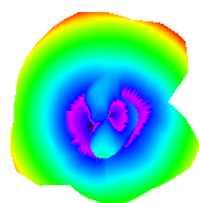
2400.000MHz E1



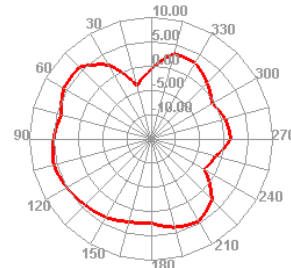
2400.000MHz E2



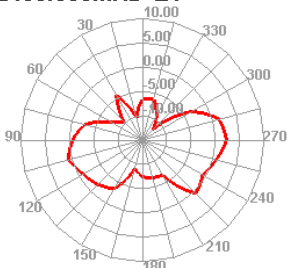
2450.000MHz



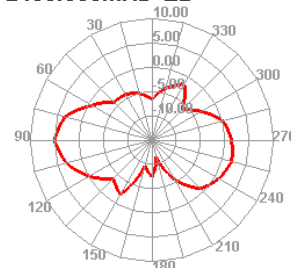
2450.000MHz H



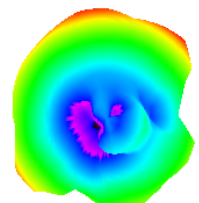
2450.000MHz E1



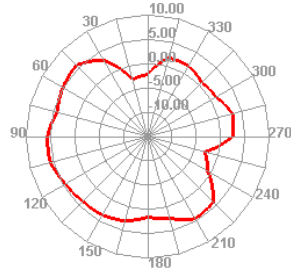
2450.000MHz E2



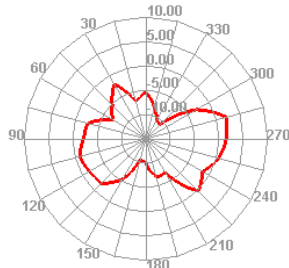
2500.000MHz



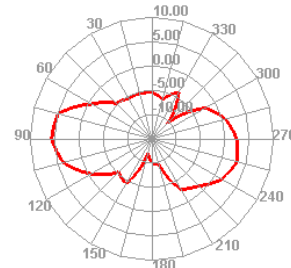
2500.000MHz H



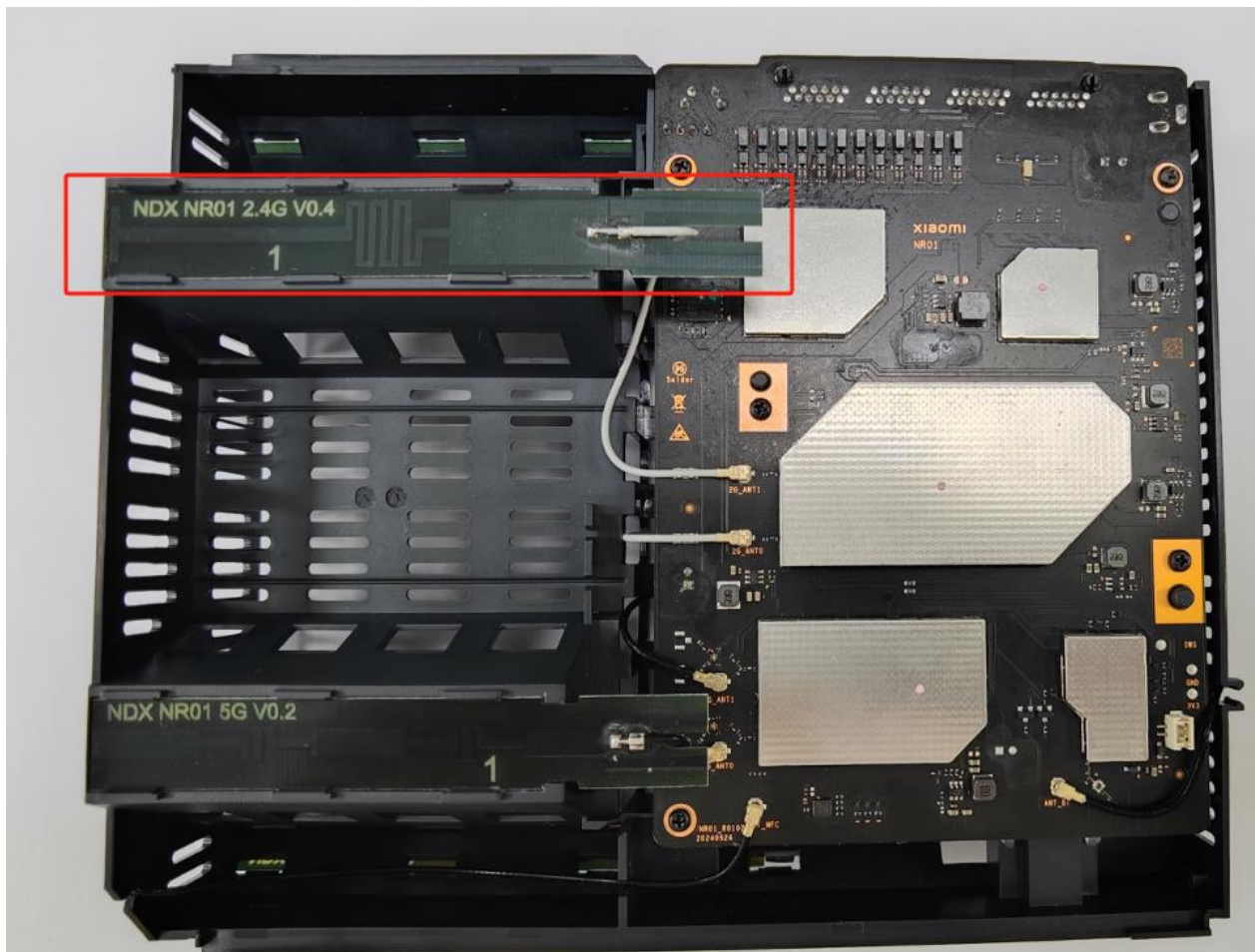
2500.000MHz E1



2500.000MHz E2



Antenna assembly picture:



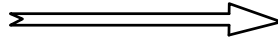


Date: 2024-10-24

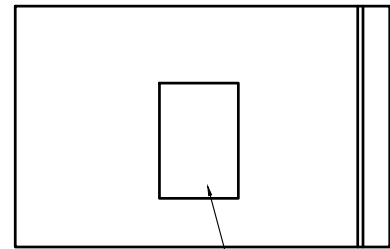
page: 1 of 1

Name : NR01 Antenna	Version: A
	Customer:

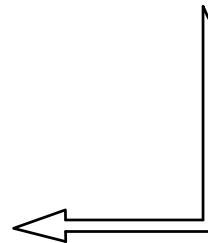
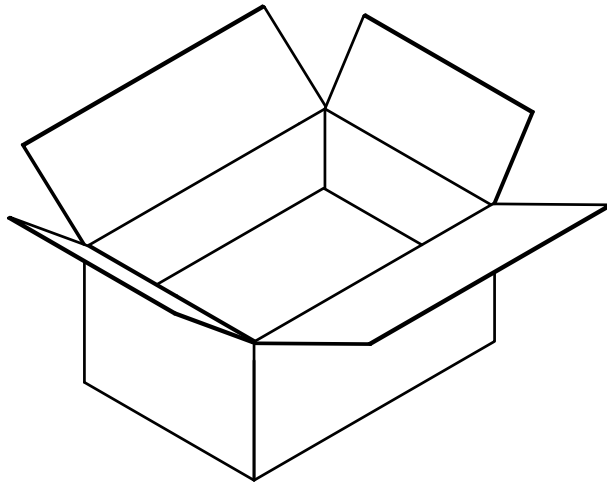
1. The Product



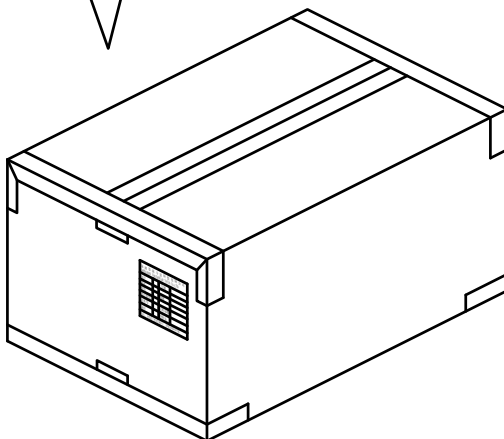
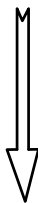
2. 100PCS/per Bag



Label



3. Packing (subject to actual packing) .



DESIGNED By: Kenny

APPROVED By: ZH