

APPROVAL SHEET

Sample seal

Customer Name XIAOMI

Product Model RD23

Customer P/N L530100074421

Specifications 2.4G, 5dBi, White housing, 1.37Gary RFcable L=220mm

Southstar P/N 3.N102.1050

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]

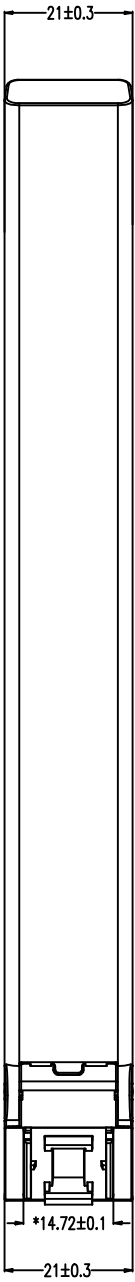
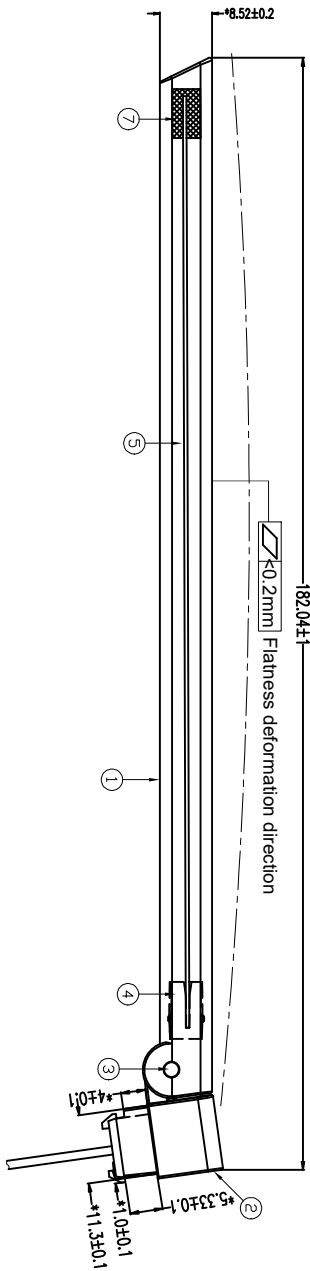
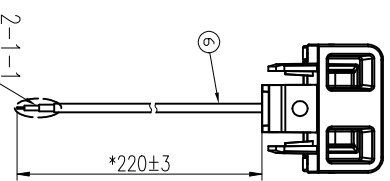
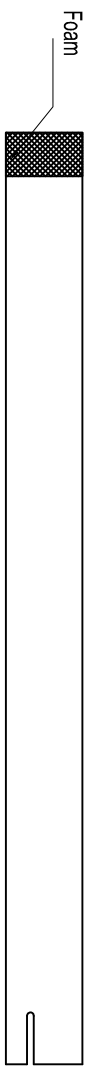
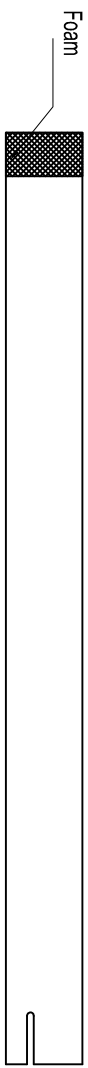
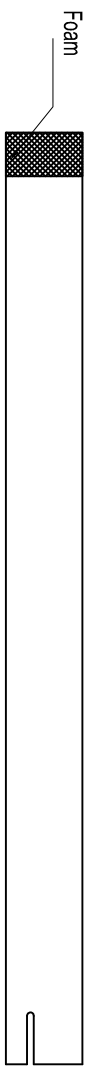
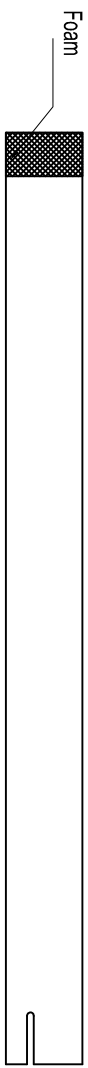
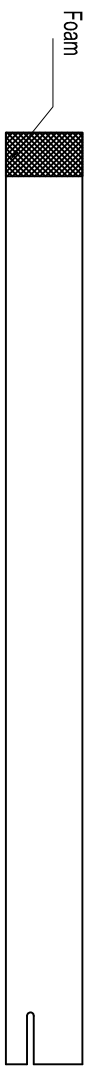
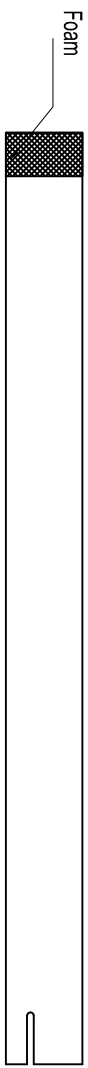
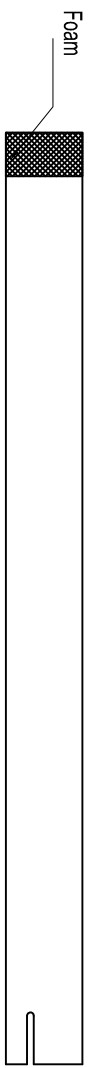
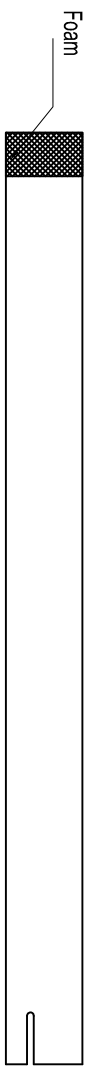
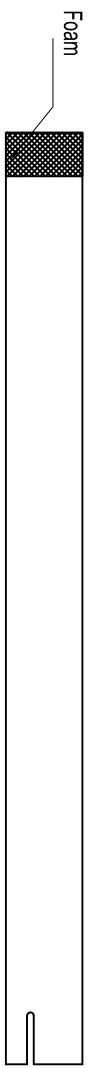
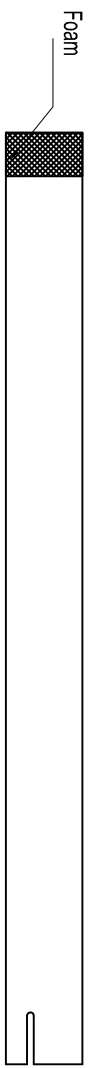
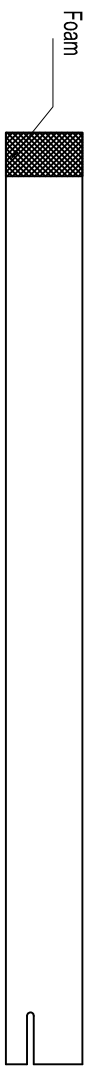
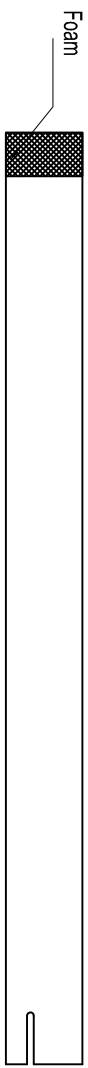
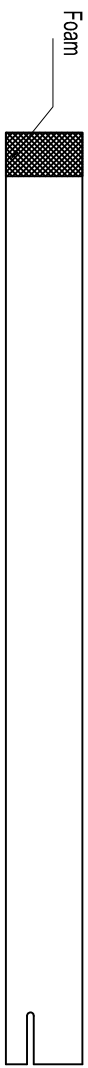
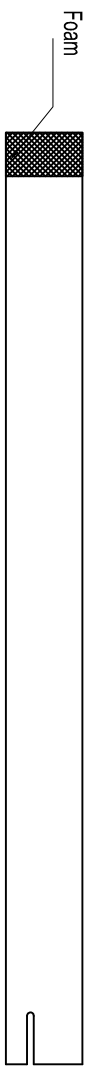
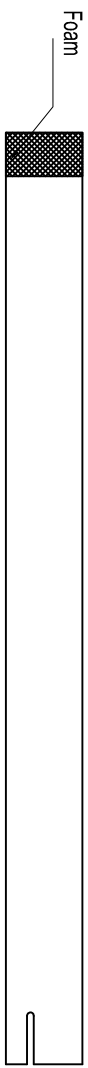
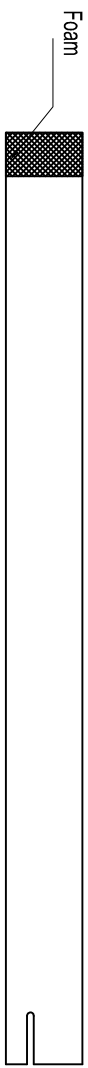
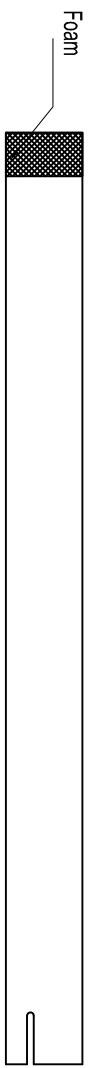
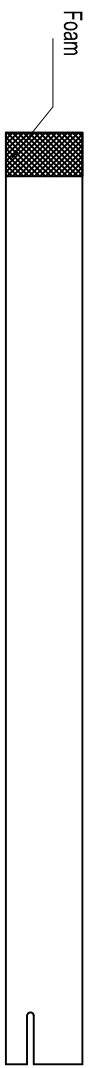
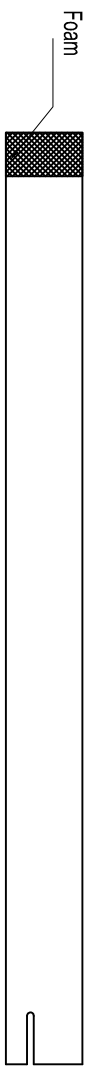
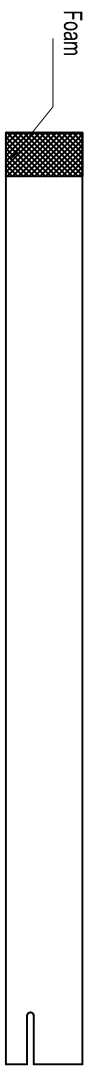
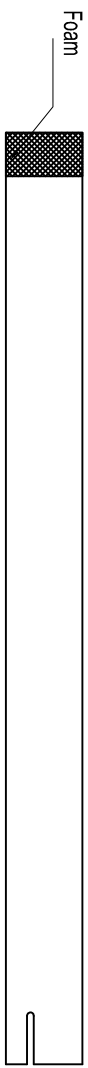
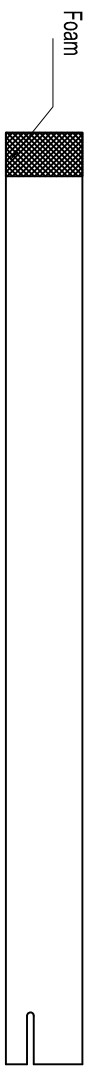
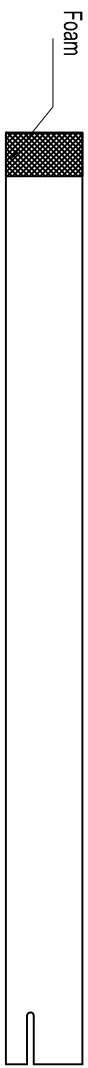
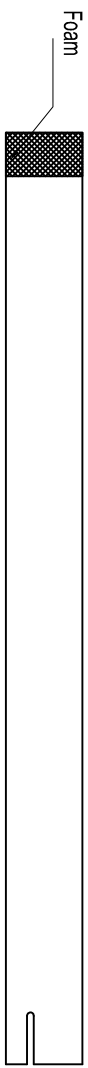
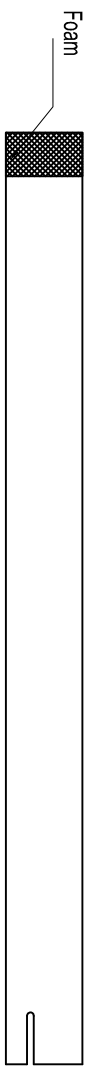
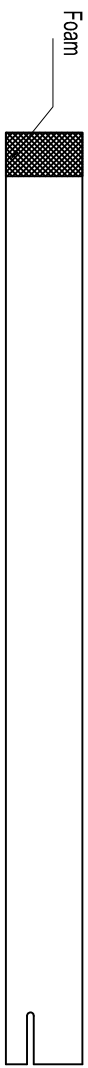
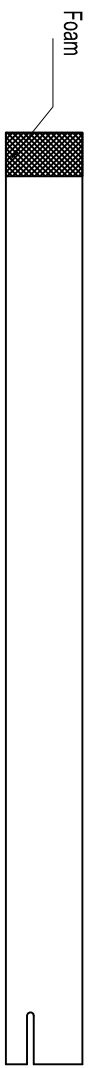
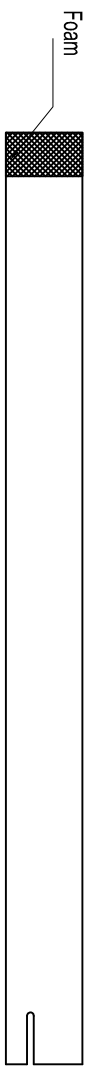
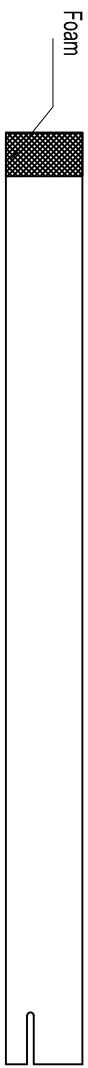
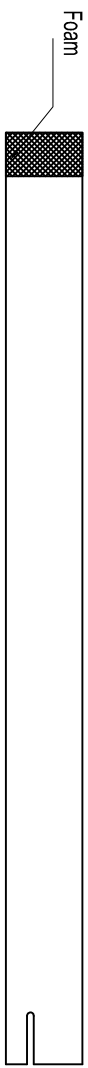
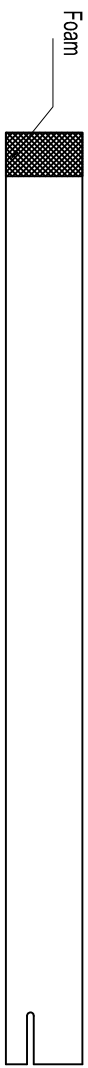
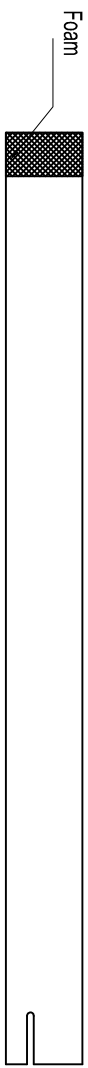
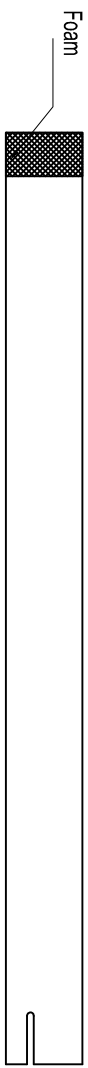
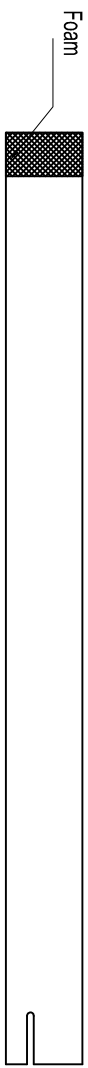
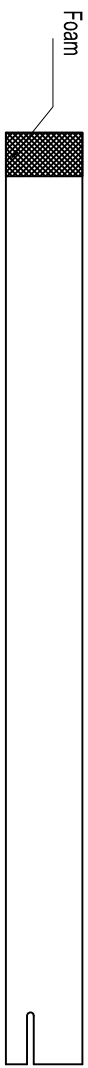
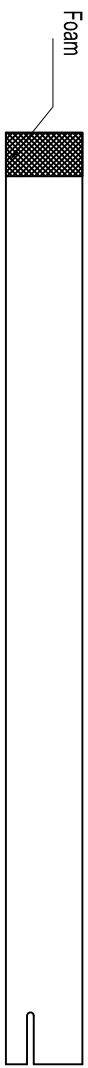
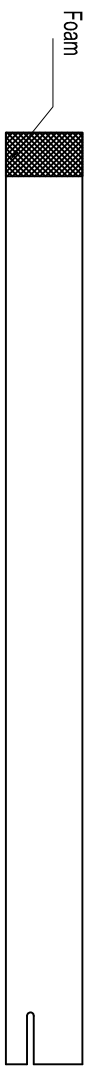
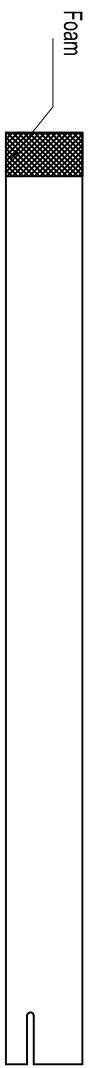
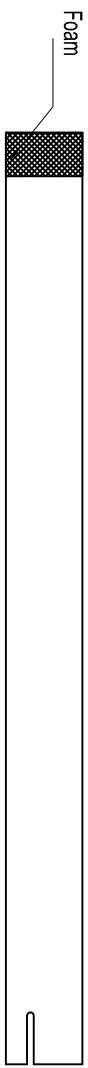
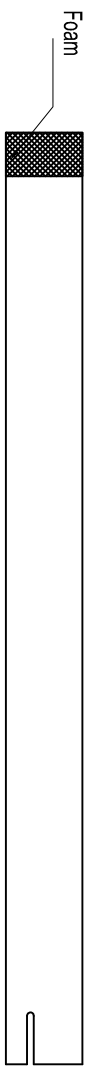
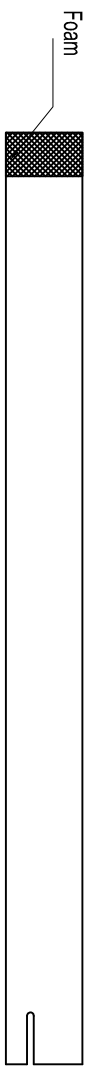
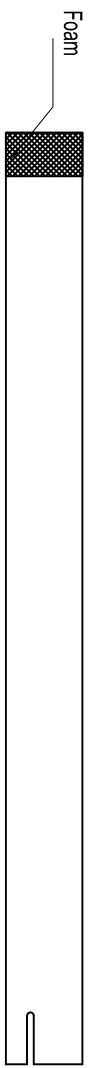
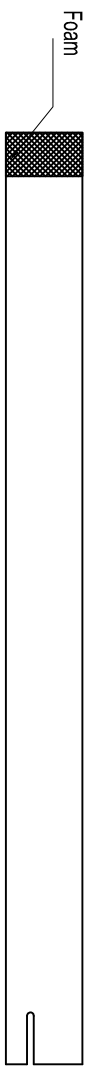
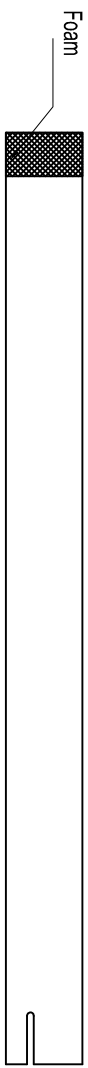
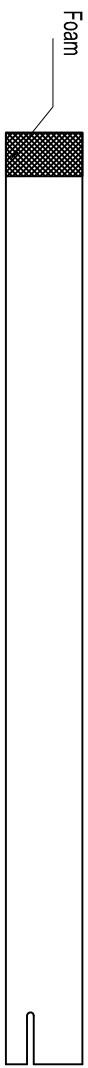
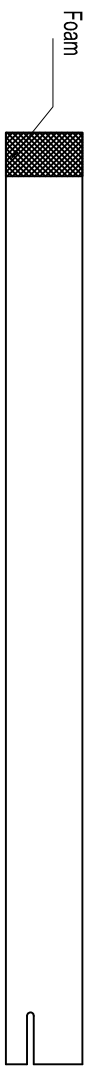
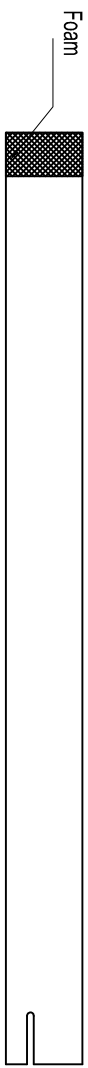
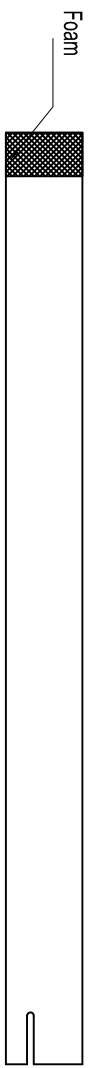
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Antenna Specification

A. Electrical Characteristics	
Frequency	2400MHz~2500 MHz
VSWR	≤2
Efficiency	>60%
Impedance	50 Ohm
Polarization	Linear
Gain	2400MHz@5.02dBi
Note	
B. Material & Mechanical Characteristics	
Material of Radiator	
Cable Type	2G: 1.37 Gray
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
					A		
							
					B		
							
					C		
							
					D		
							
					E		
							
					F		
							
					G		
							
					H		
							
					I		
							
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					AY		
							
					AZ		



South
star

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Test Equipment & Conditions

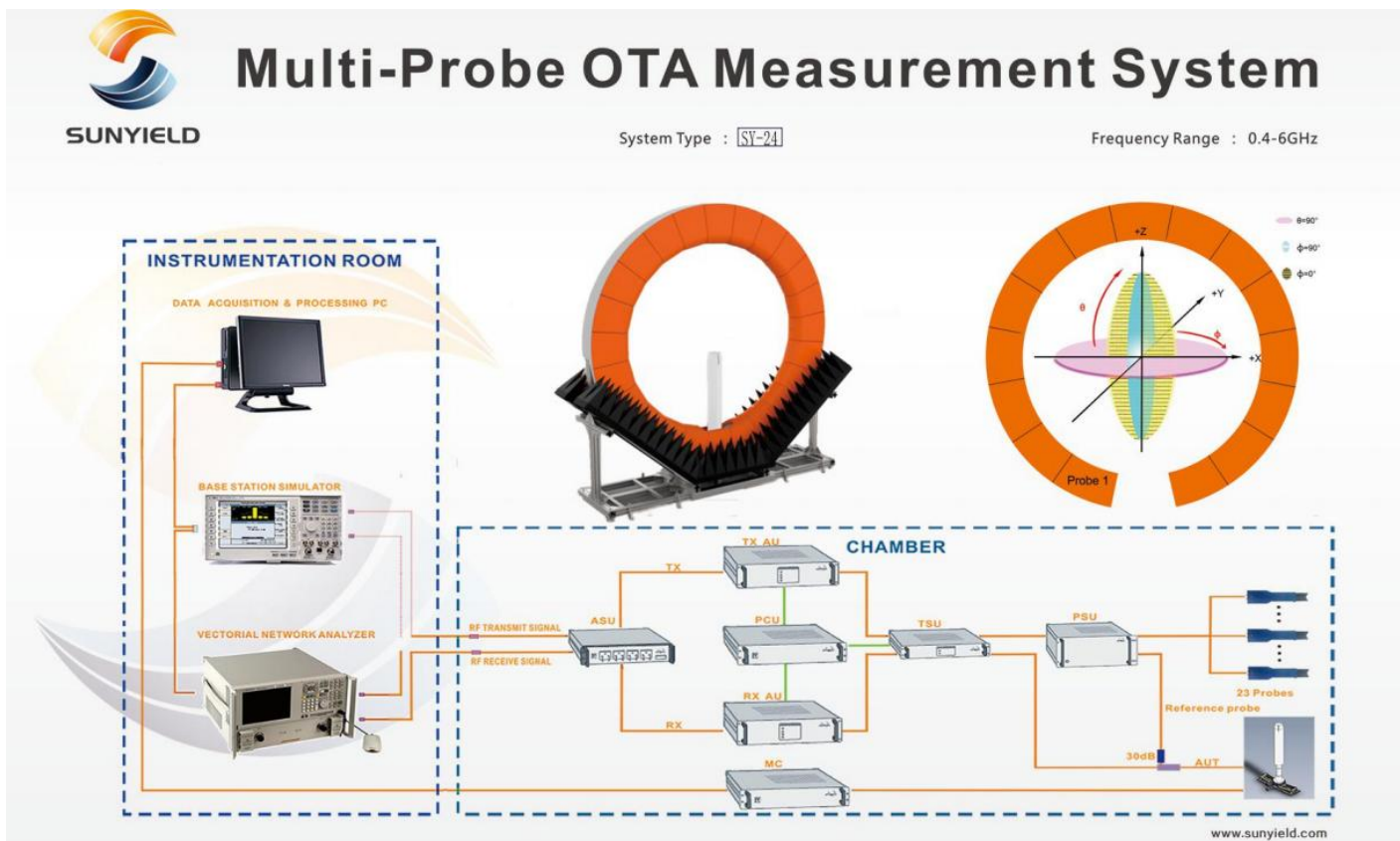
1. NetWork Analyzers:

Keysight E5071C

2. Comprehensive tester:

CMW500 、 MT8000A、 MT8862A

3. 3D Chamber Test System:





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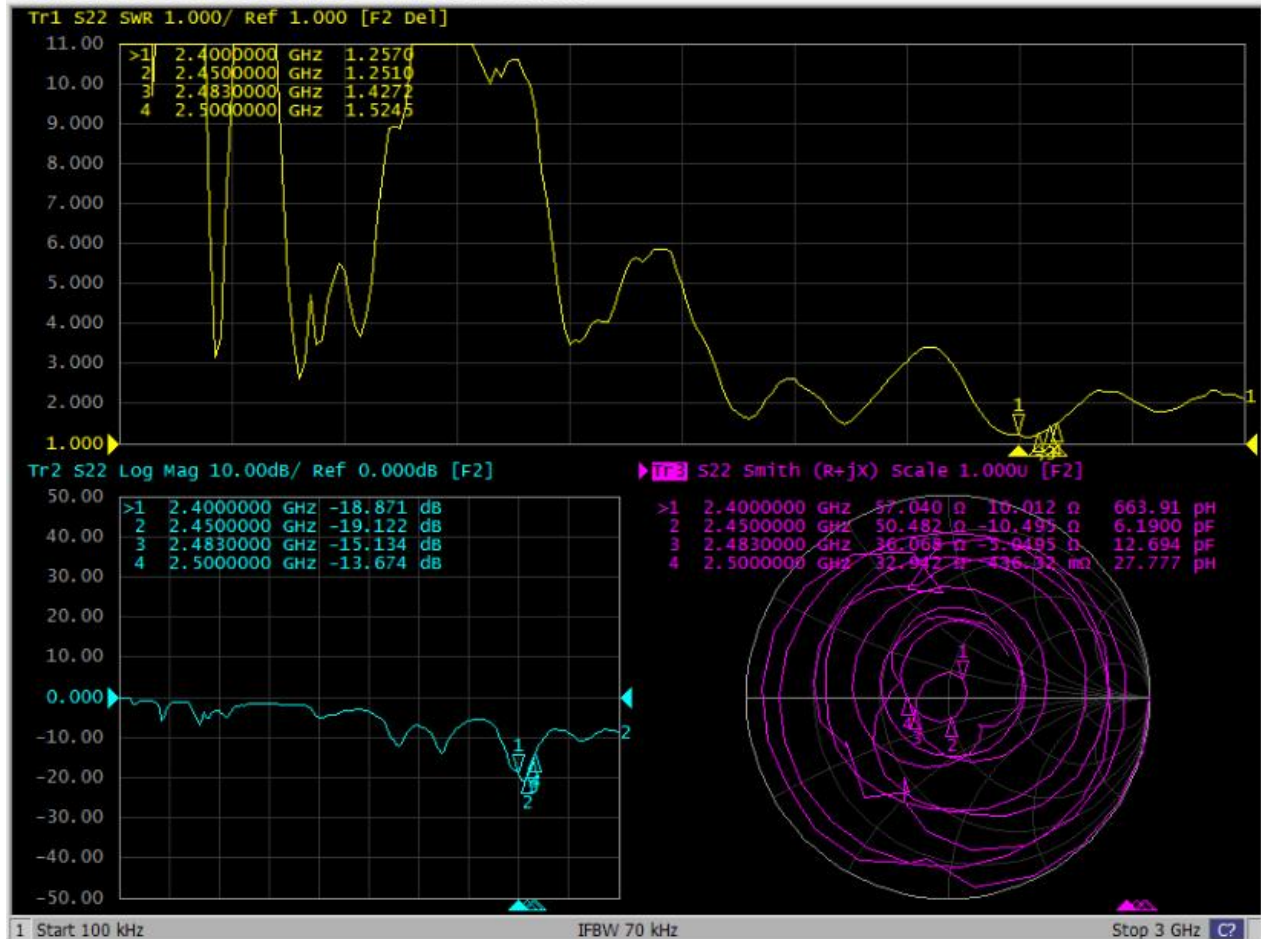
SHENZHEN SOUTH STAR TECHNOLOGY CO., LTD

Antenna Impedance:

S11

E5071C Network Analyzer

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

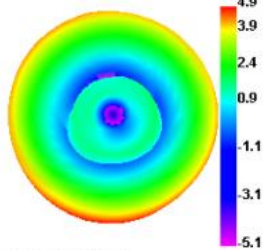


效率&增益(Efficiency & Gain):

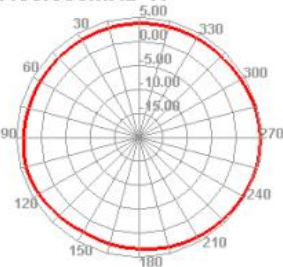
Freq (MHz)	Effi (%)	Gain (dBi)
2400	71.22	4.87
2410	76.75	4.71
2420	75.4	4.69
2430	75.76	4.76
2440	78.92	4.96
2450	79.47	5.02
2460	76.43	4.89
2470	72.65	4.69
2480	70.42	4.57
2490	68.73	4.42
2500	71.99	4.54

Antenna 3D & 2D patter :

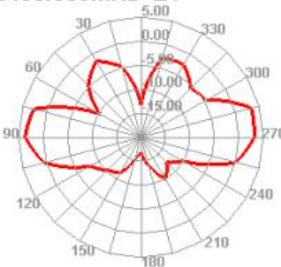
2400.000MHz



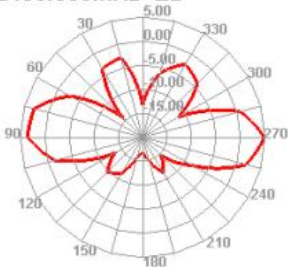
2400.000MHz H



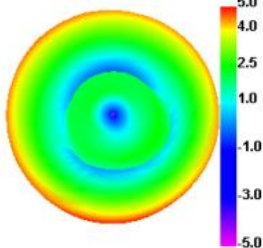
2400.000MHz E1



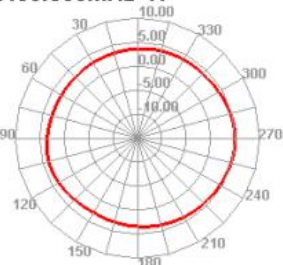
2400.000MHz E2



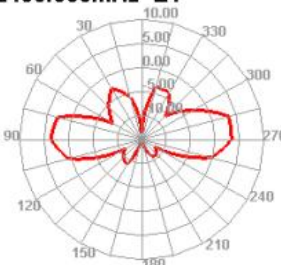
2450.000MHz



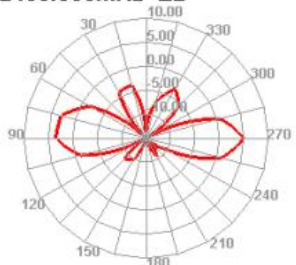
2450.000MHz H



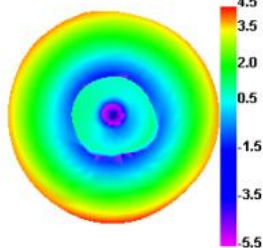
2450.000MHz E1



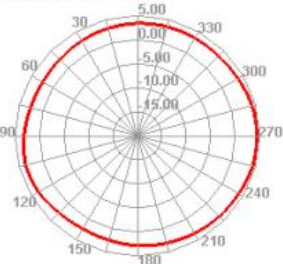
2450.000MHz E2



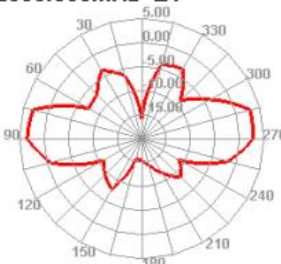
2500.000MHz



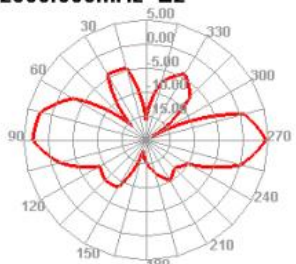
2500.000MHz H



2500.000MHz E1



2500.000MHz E2

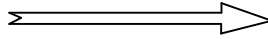


antenna assembly picture:

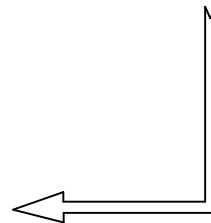
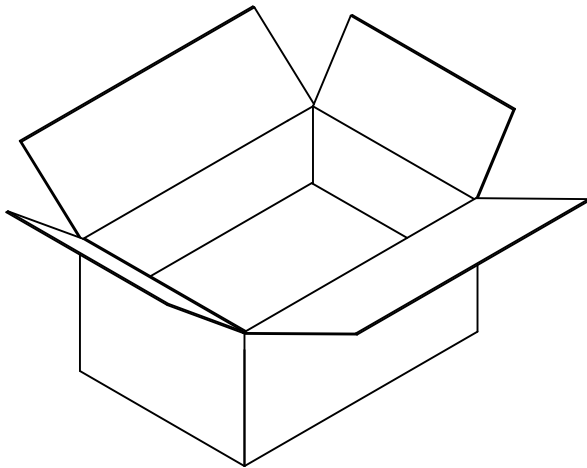


Name : MD03 Antenna	Version: A
	Customer: XIAOMI

1: The product



二: 30PCS/per PE Bag。



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

