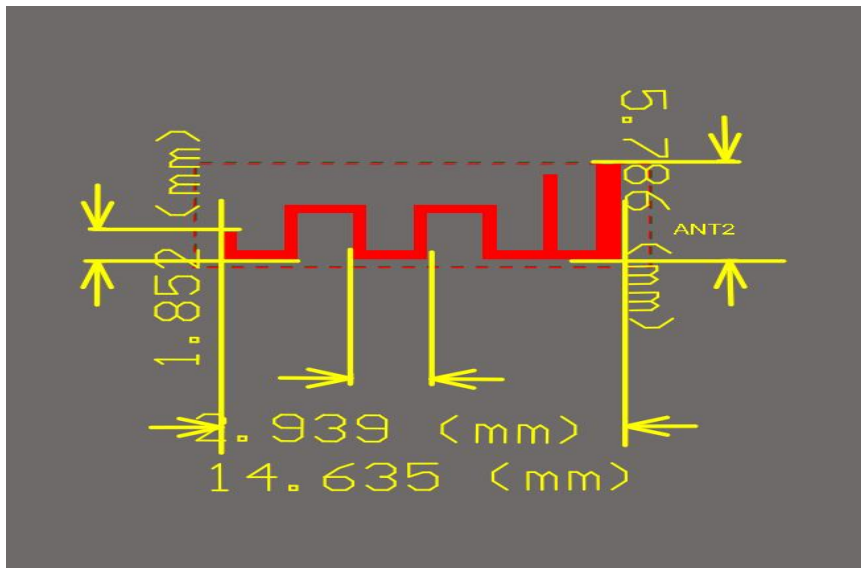


# ANT Report

Manufacturer:	Foshan Mingju Yixin Hardware Co., Ltd.
Add:	No. 20, Xinlong Road, Guantian Village, Longjiang Town, Shunde District, Foshan City, China
Model:	S16
Date:	October 11, 2024
Versions:	V1.0

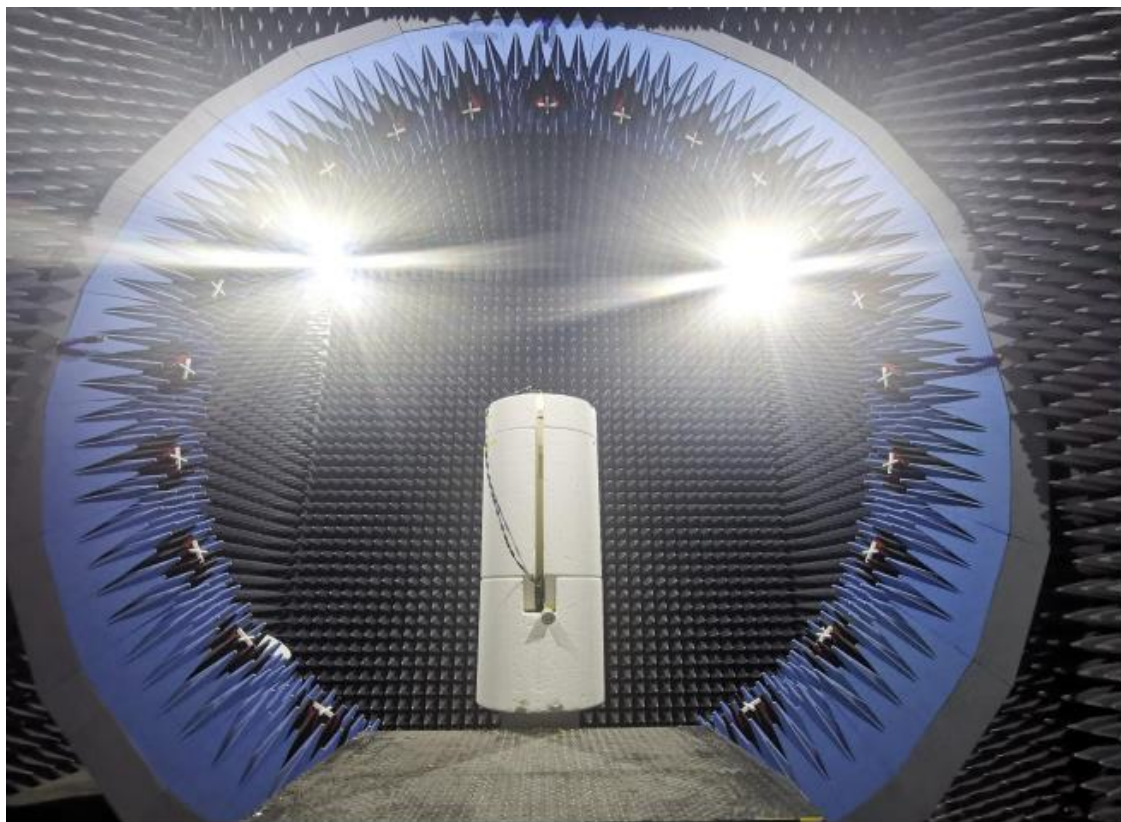
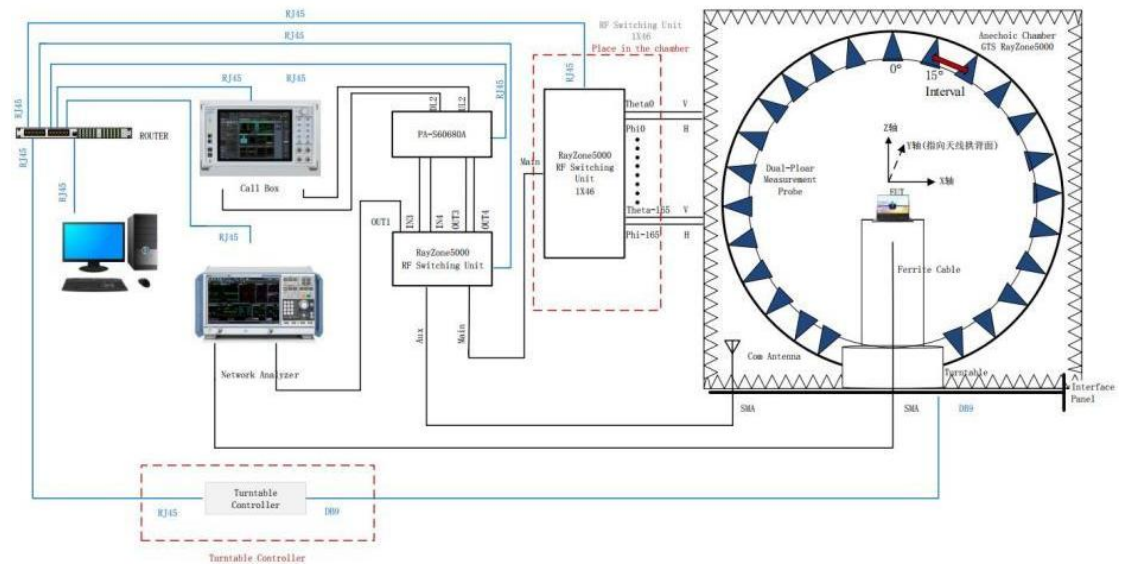
## 1. Ant Size:



## 2. Test equipment list

name	Manufacturer	Model
Network analyzer	KEYSIGHT	E5071C
Network analyzer	KEYSIGHT	E5071C
Comprehensive Measuring Instrument	R&S	CWM500
OTA test system	GTS	RayZone-5000

### 3. Test setup

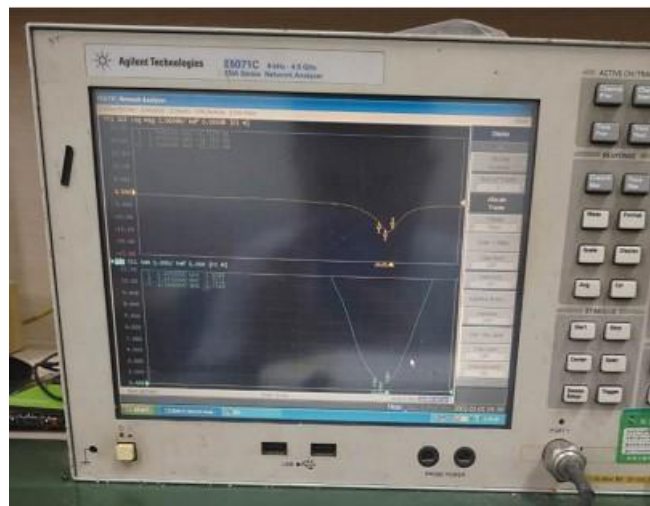


4. Performance parameter

Frequency range	2400-2500MHz
VSWR	$\leq 7.0$
Input impedance	50 $\Omega$
Peak Gain(dBi)	1.69
Antenna type	PCB
Temperature	-40~80

5. VSWR Test Data

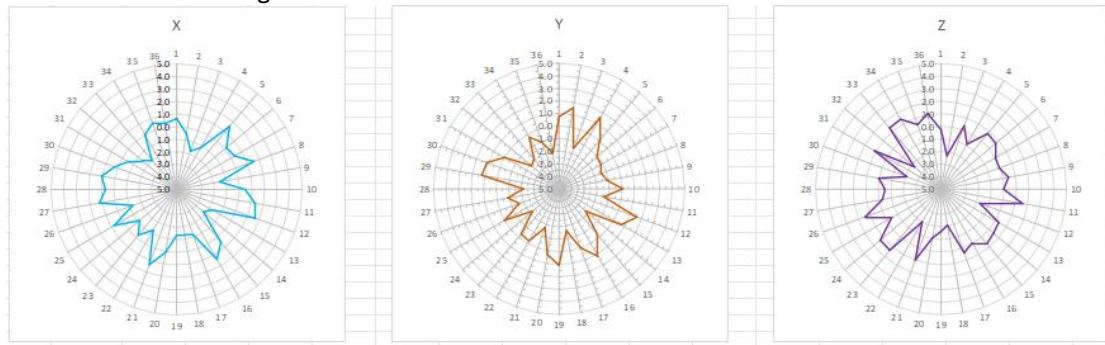
Frequency(MHz)	Return Loss	VSWR
2400	-7.79	2.65
2450	-11.25	2.15
2500	-10.26	1.77



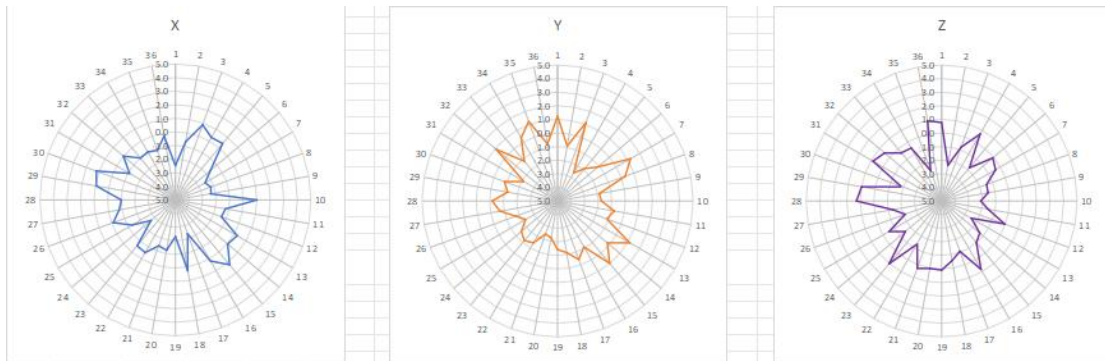
#### 6. Gain and Effi

Frequency(MHz)	Effi	Peak Gain
2400	1.45	1.69
2410	1.45	1.33
2420	1.21	1.20
2430	1.64	1.08
2440	1.24	1.29
2450	1.56	1.29
2460	1.24	1.00
2470	1.67	0.86
2480	1.33	1.46
2490	1.33	0.90
2500	1.40	1.00

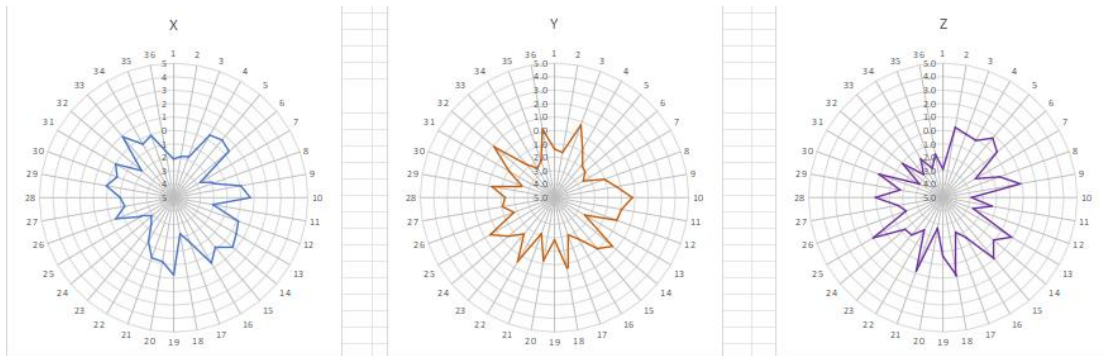
### 7. Test Directional diagram



2400MHz



2440MHz



2500MHz

-----The end-----