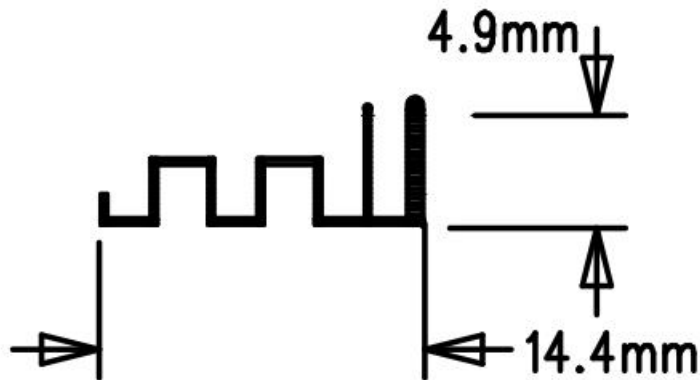


Antenna data sheet

ITEM	ANT SPEC
Model:	2.4G ANT
Date:	October 16, 2024
Versions:	V1.0
Manufacturer	Shenzhen Huanengying Electronic Technology Co., LTD
Address	Room305, Building6,JinzhouJialiyuan,YangmeiCommunity, BantianSub-district,LonggangDistrict,ShenzhenCity

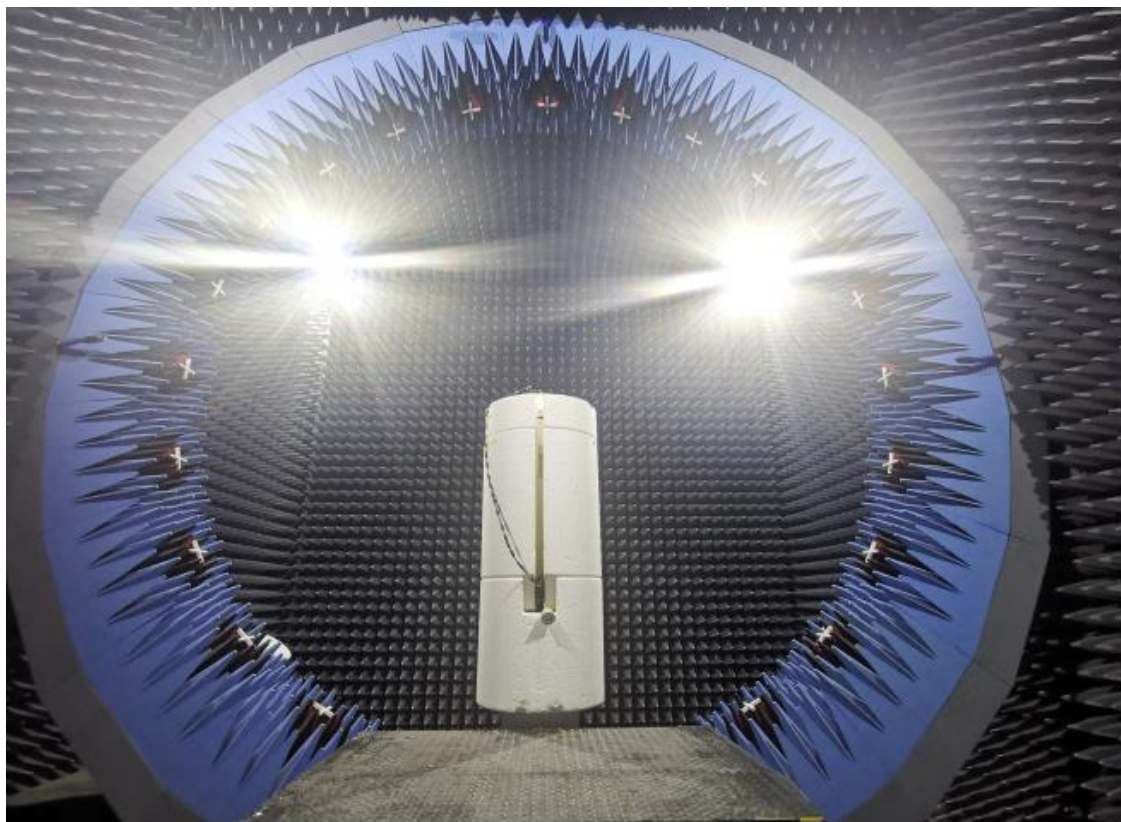
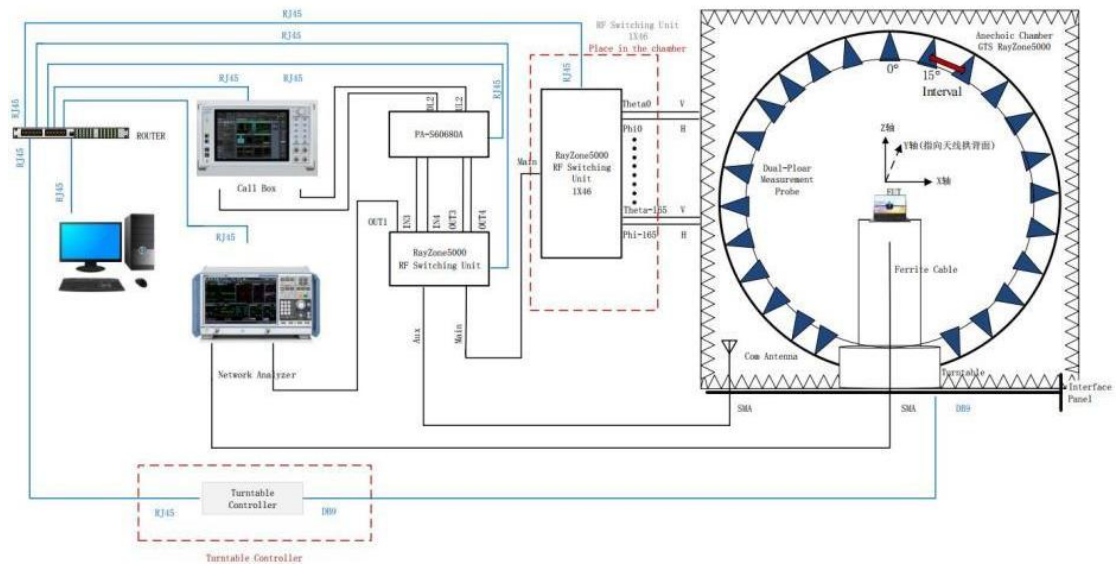
1. Ant Size:



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

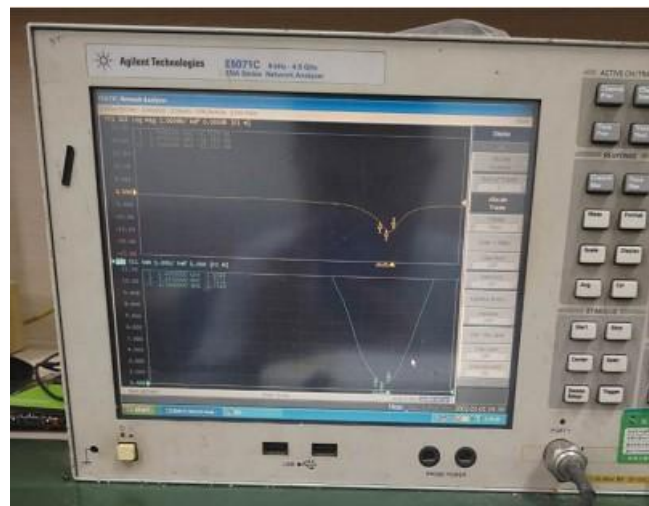


4. Performance parameter

Frequency range	2400-2500MHz
VSWR	≤ 7.0
Input impedance	50 Ω
Peak Gain(dBi)	1.54
Antenna type	PCB
Temperature	-20~50

5. VSWR Test Data

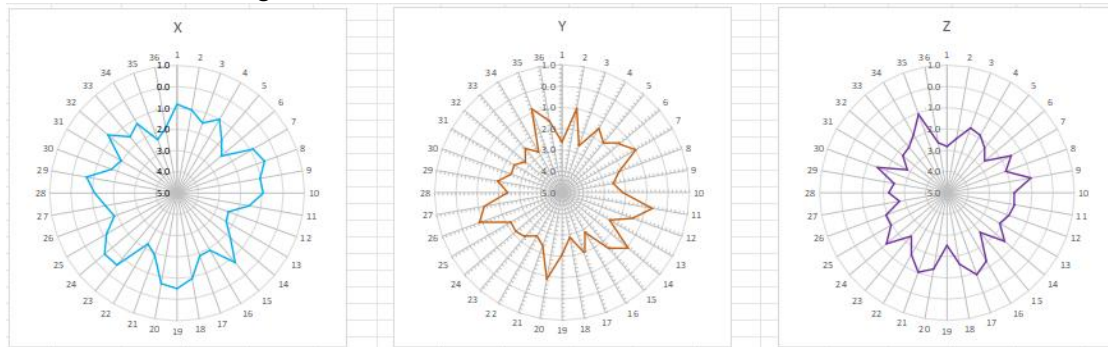
Frequency(MHz)	Return Loss	VSWR
2400	-8.27	1.26
2450	-10.87	2.94
2500	-11.12	2.70



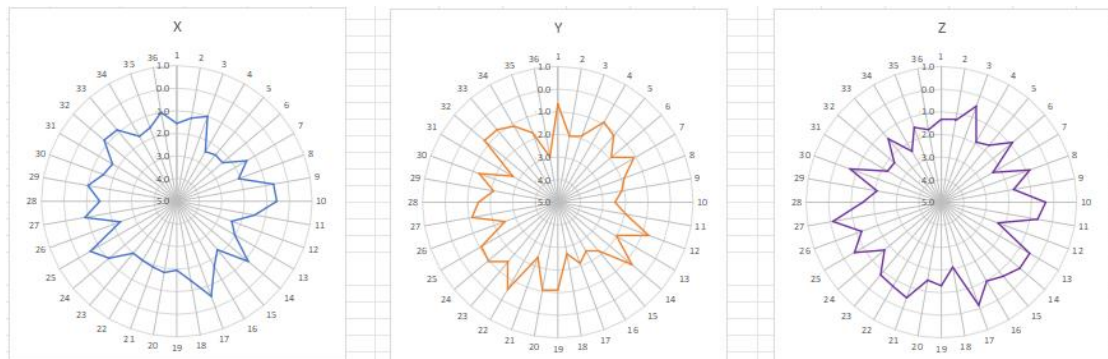
6. Gain and Effi

Frequency(MHz)	Effi	Peak Gain
2400	1.59	-0.52
2410	1.51	-0.88
2420	1.33	-1.01
2430	1.58	-1.13
2440	1.38	-0.92
2450	1.62	0
2460	1.59	-0.41
2470	1.47	-0.55
2480	1.46	1.54
2490	1.36	-0.51
2500	1.23	-1.32

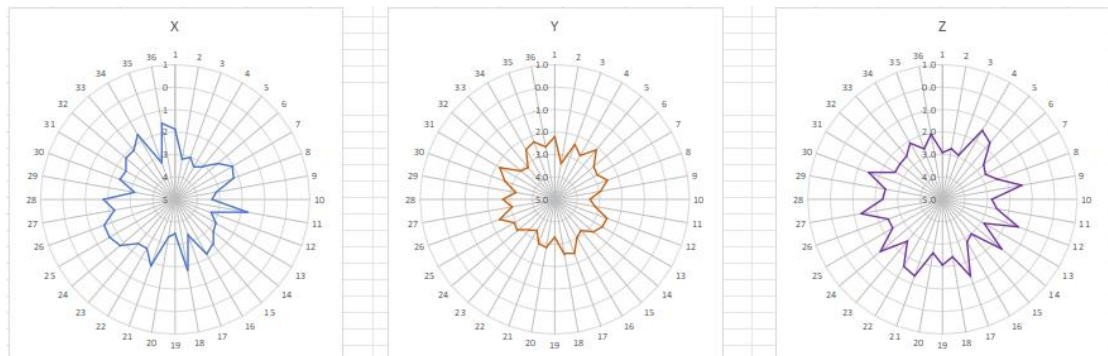
7. Test Directional diagram



2400MHz



2440MHz



2500MHz

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