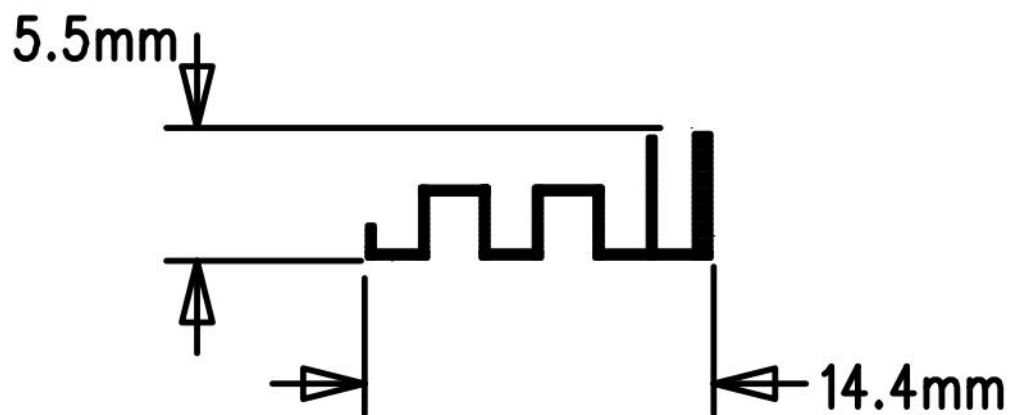


Antenna data sheet

ITEM	ANT SPEC
Model:	2.4G ANT
Date:	October 16, 2024
Versions:	V1.0
Manufacturer	Shenzhen Huanengying Electronic Technology Co., LTD
Address	Room 305, Building 6, Jinzhou Jialiyuan, Yangmei Community, Bantian Sub-district, Longgang District, Shenzhen City

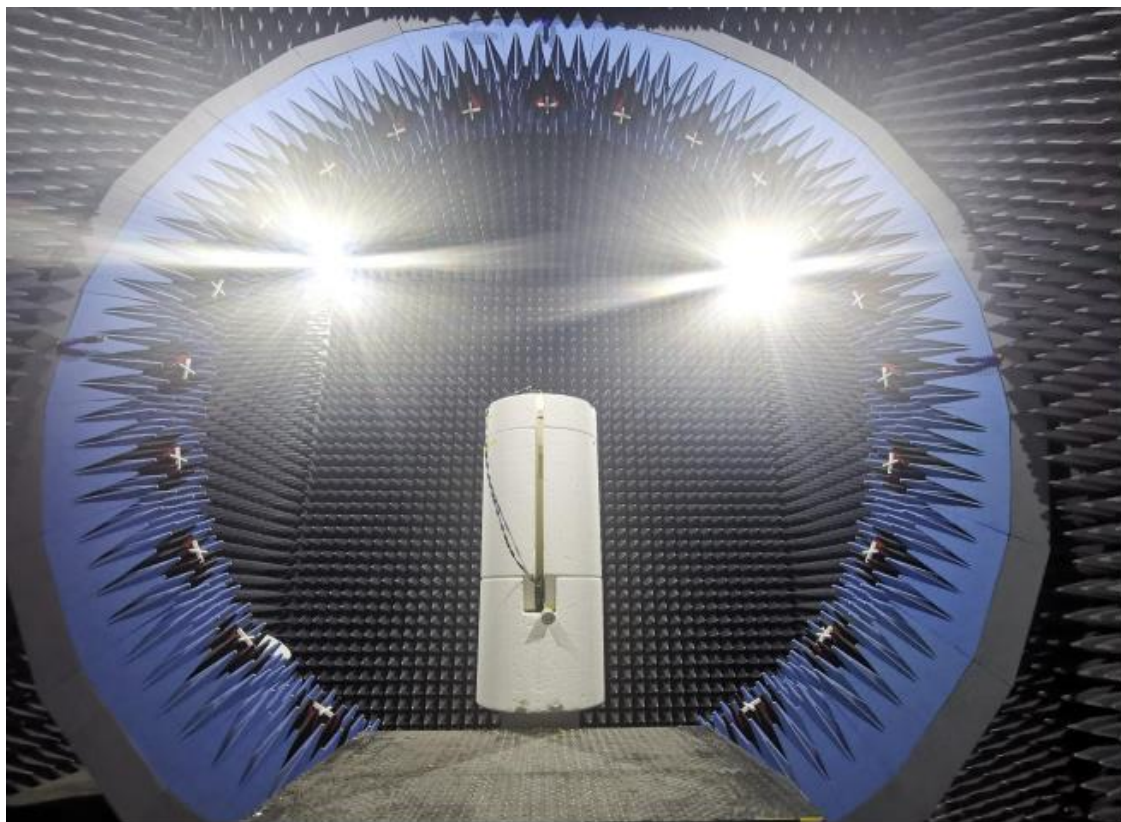
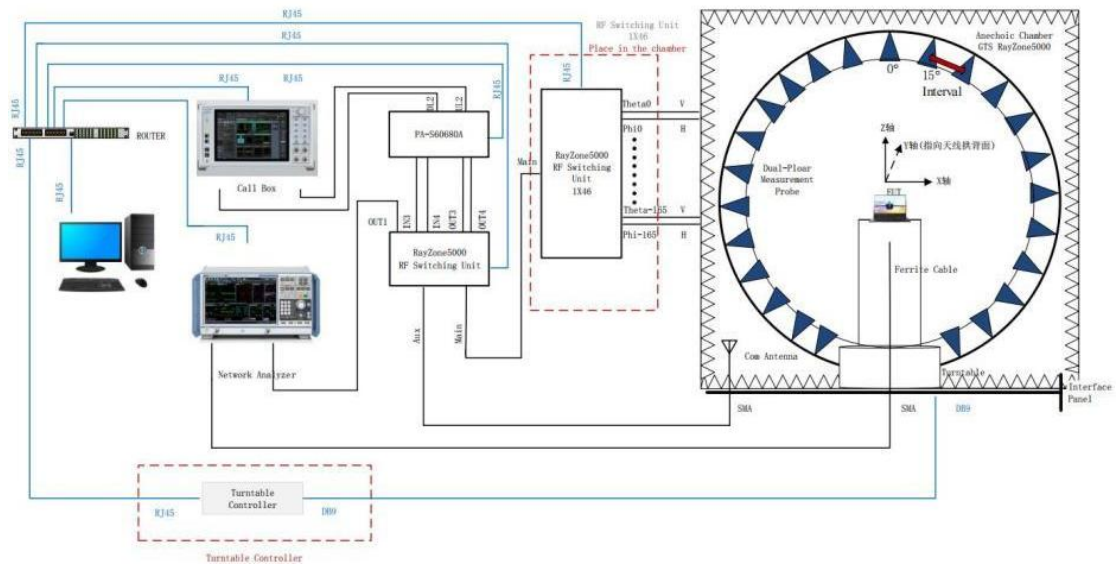
1. Ant Size:



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

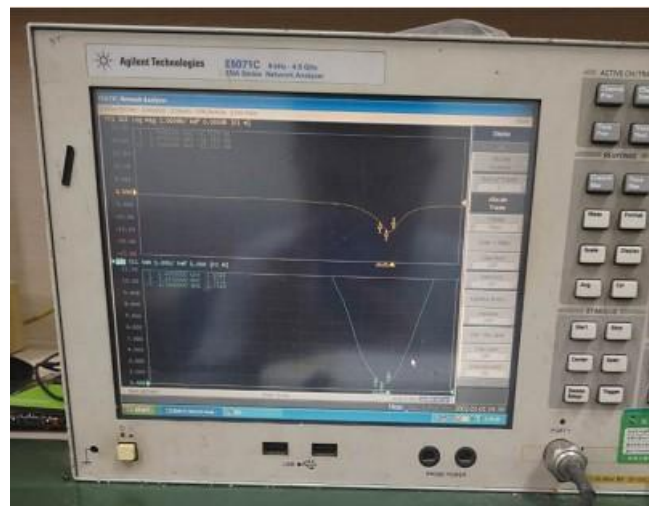


4. Performance parameter

Frequency range	2400-2500MHz
VSWR	≤ 7.0
Input impedance	50 Ω
Peak Gain(dBi)	1.29
Antenna type	PCB
Temperature	-20~50

5. VSWR Test Data

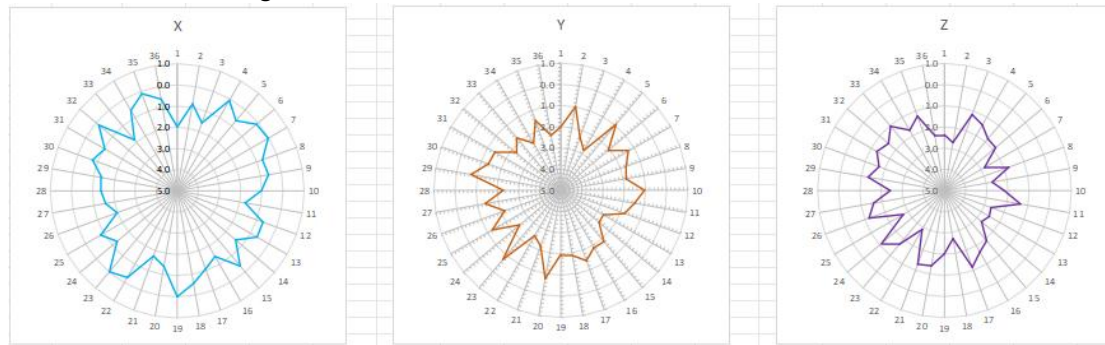
Frequency(MHz)	Return Loss	VSWR
2400	-8.32	1.66
2450	-11.12	3.21
2500	-10.86	2.75



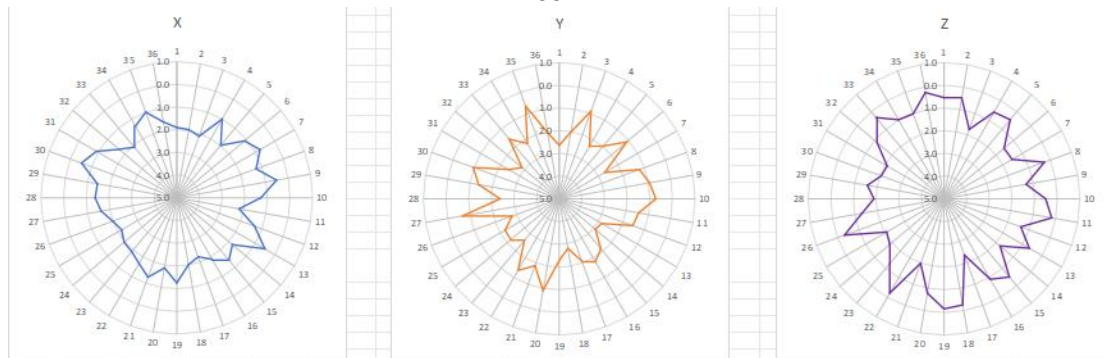
6. Gain and Effi

Frequency(MHz)	Effi	Peak Gain
2400	1.21	0.00
2410	1.23	-0.36
2420	1.40	-0.49
2430	1.27	-0.61
2440	1.61	-0.40
2450	1.46	-0.15
2460	1.47	-0.44
2470	1.51	-0.58
2480	1.57	1.29
2490	1.50	-0.54
2500	1.53	-1.30

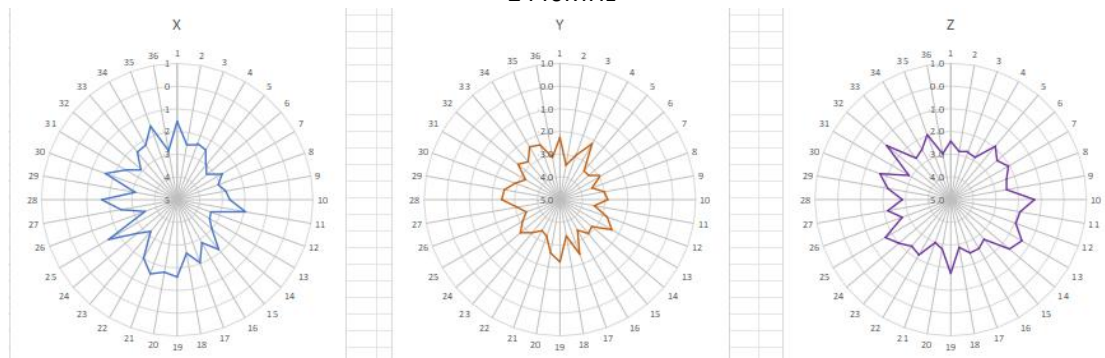
7. Test Directional diagram



2400MHz



2440MHz



2500MHz

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