

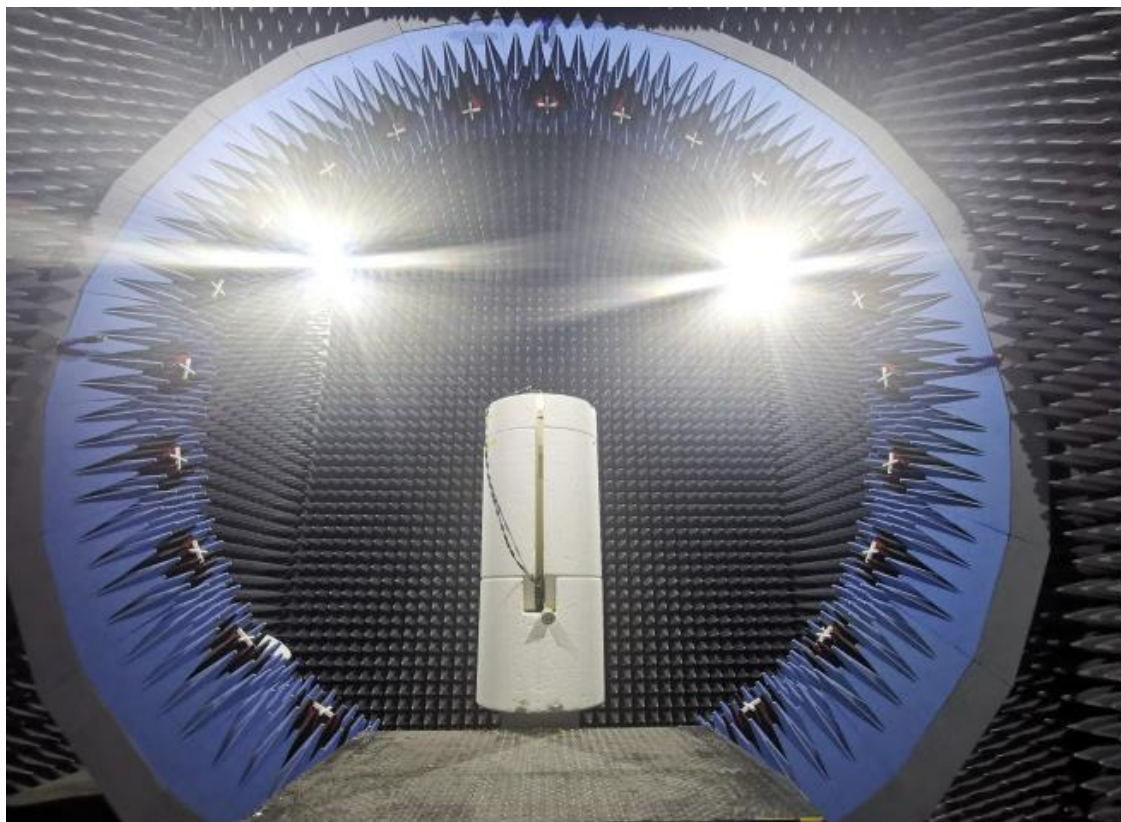
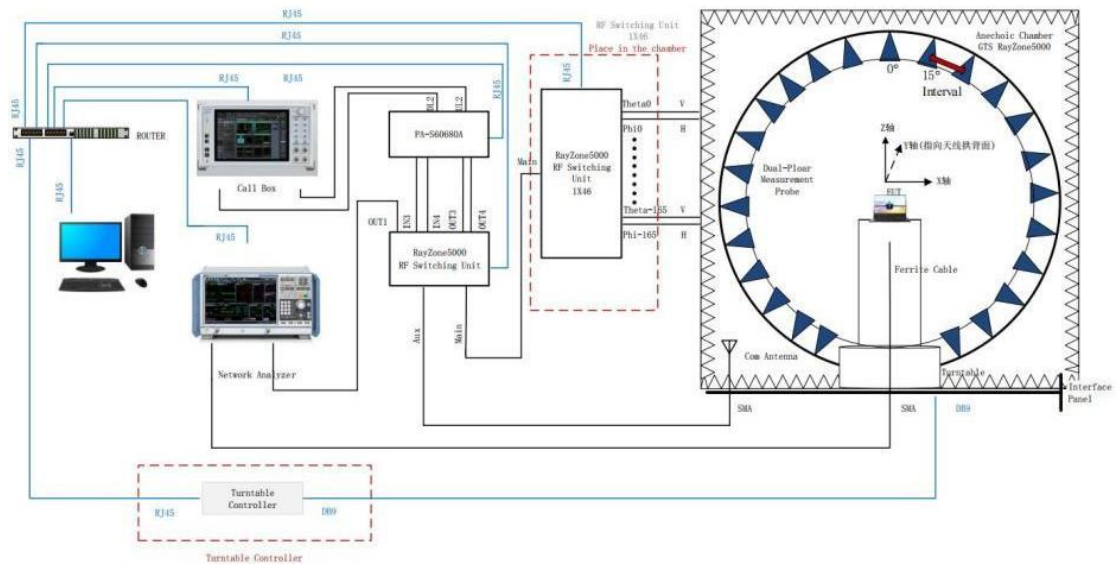
ANT Report

Manufacturer:	Guangzhou FIO Electronics Technology CO., LTD
Add:	2/F, F Building, Hougang Industrial Zone, Shigang Huangshi West Road, Baiyun District, Guangzhou City, China
Model:	F4401E
Date:	October 28, 2024
Versions:	V1.0

2. Test equipment list

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

3. Test setup

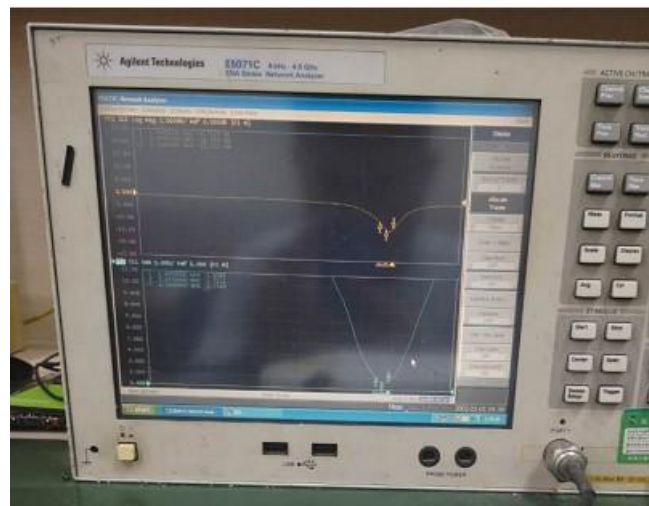


4. Performance parameter

Frequency range	2400-2500MHz
VSWR	≤ 7.0
Input impedance	50 Ω
Peak Gain(dBi)	1.7
Antenna type	FPC
Temperature	-40~80

5. VSWR Test Data

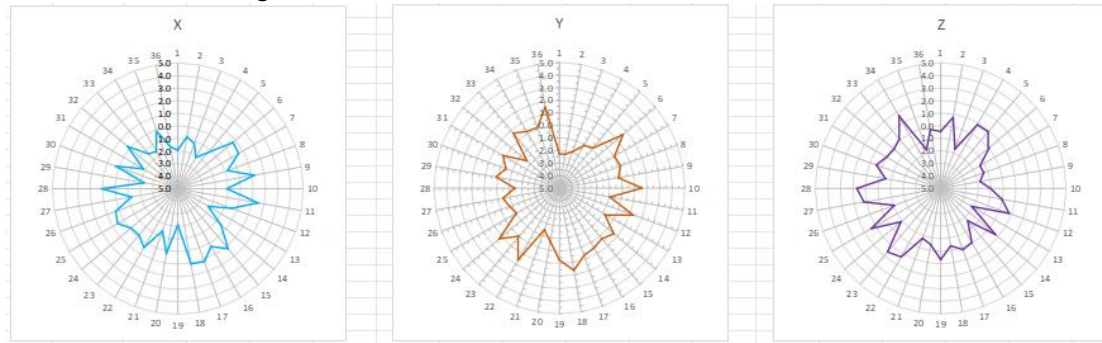
Frequency(MHz)	Return Loss	VSWR
2400	-8.29	1.28
2450	-11.53	1.98
2500	-10.39	2.00



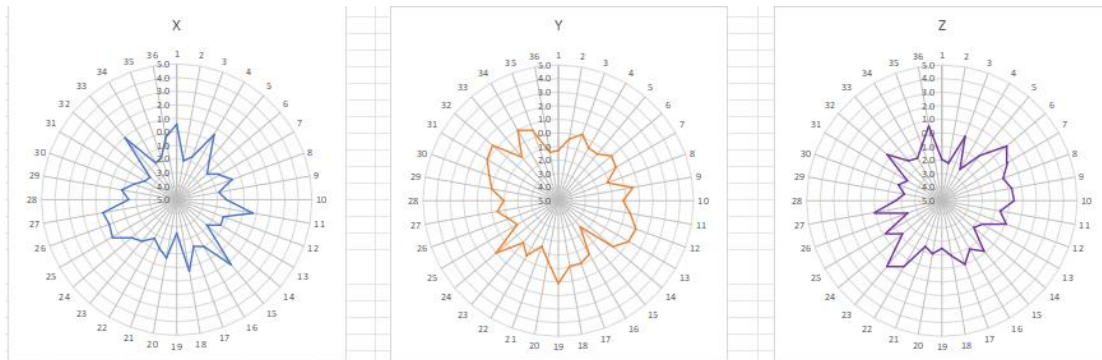
6. Gain and Effi

Frequency(MHz)	Effi	Peak Gain
2400	1.24	1.70
2410	1.69	1.34
2420	1.37	1.21
2430	1.36	1.09
2440	1.31	1.30
2450	1.37	1.34
2460	1.31	1.05
2470	1.66	0.91
2480	1.40	1.68
2490	1.31	0.95
2500	1.45	0.92

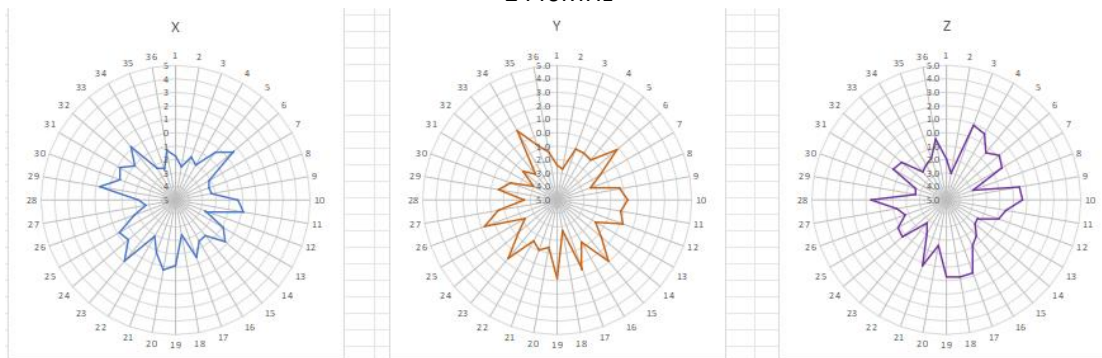
7. Test Directional diagram



2400MHz



2440MHz



2500MHz

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