

External antenna data sheet

Manufacturer:	Shenzhen Tengyufei electronic Technology Co., LTD
Add:	Tengyufei Electronics, 2nd Floor, Building 2, Yaguo Pujing Zhichuang Park, No.18 Pai Fang Road, Kengzi 138 Industrial Zone, Pingshan New District, Shenzhen, Guangdong Province
Model:	B70L
Date:	October 24, 2024
Versions:	V1.0

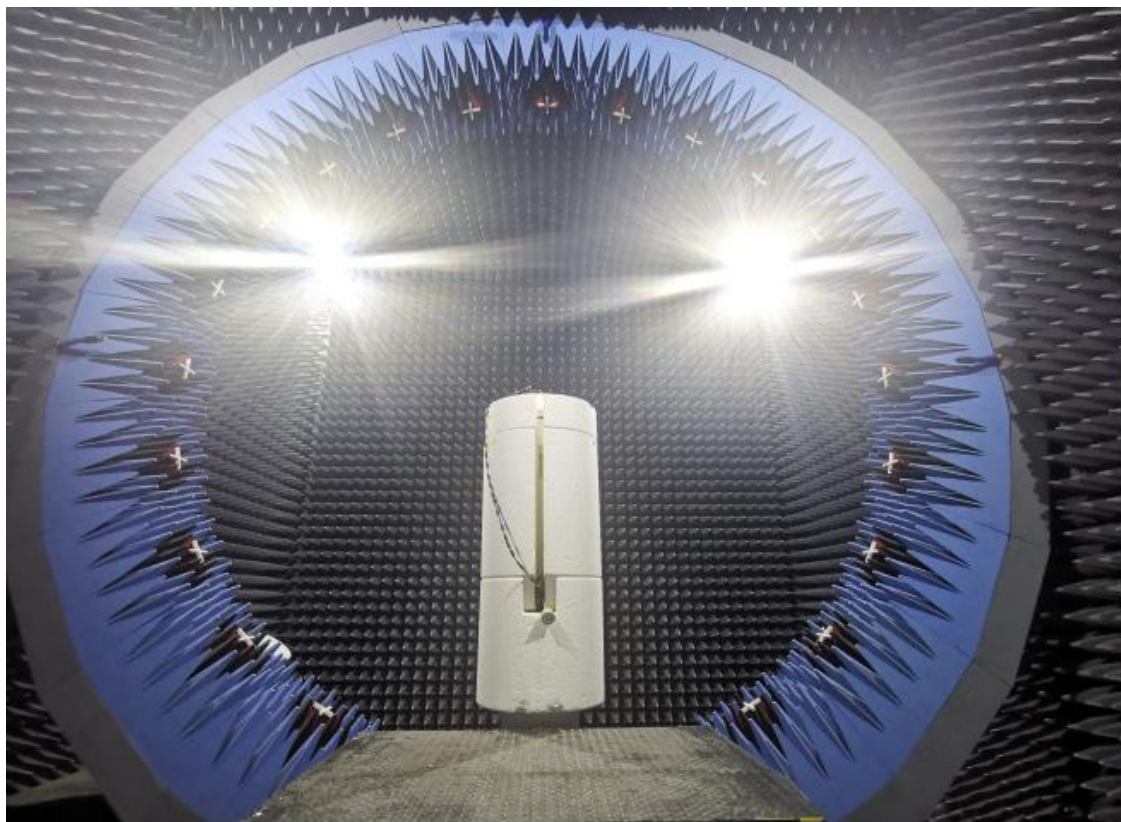
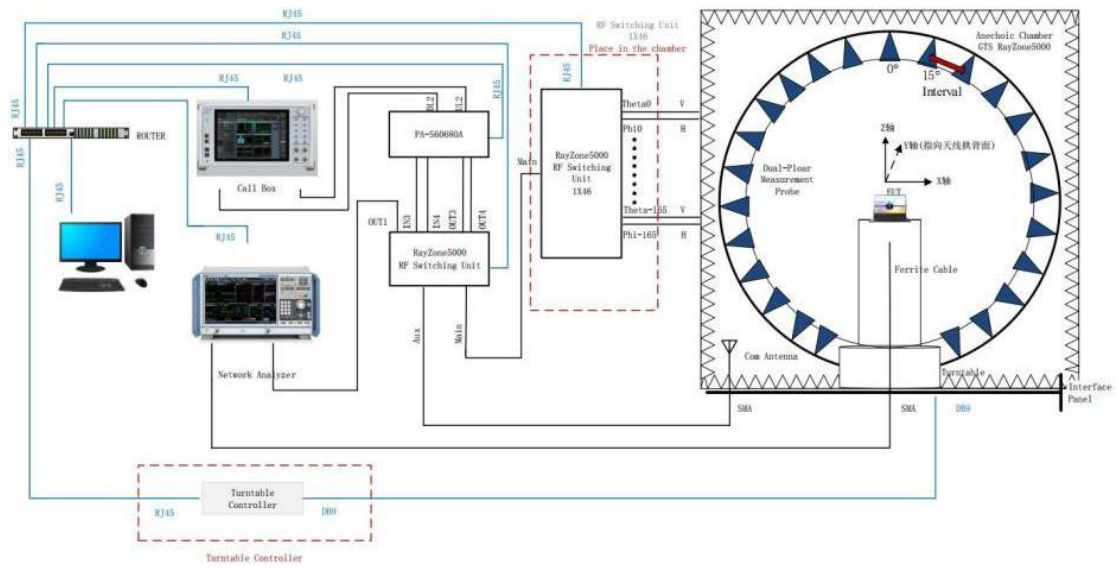
1. Ant Size:



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

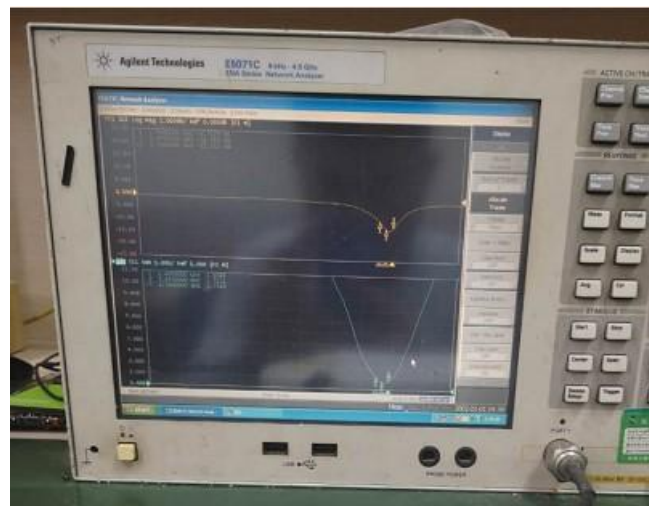


4. Performance parameter

Frequency range	2400-5850MHz
VSWR	≤ 7.0
Input impedance	50 Ω
Peak Gain(dBi)	1.78
Antenna type	External Antenna
Temperature	-40~80

5. VSWR Test Data

Frequency(MHz)	Return Loss	VSWR
2400	-8.27	1.98
2450	-11.52	2.25
2500	-10.64	2.05

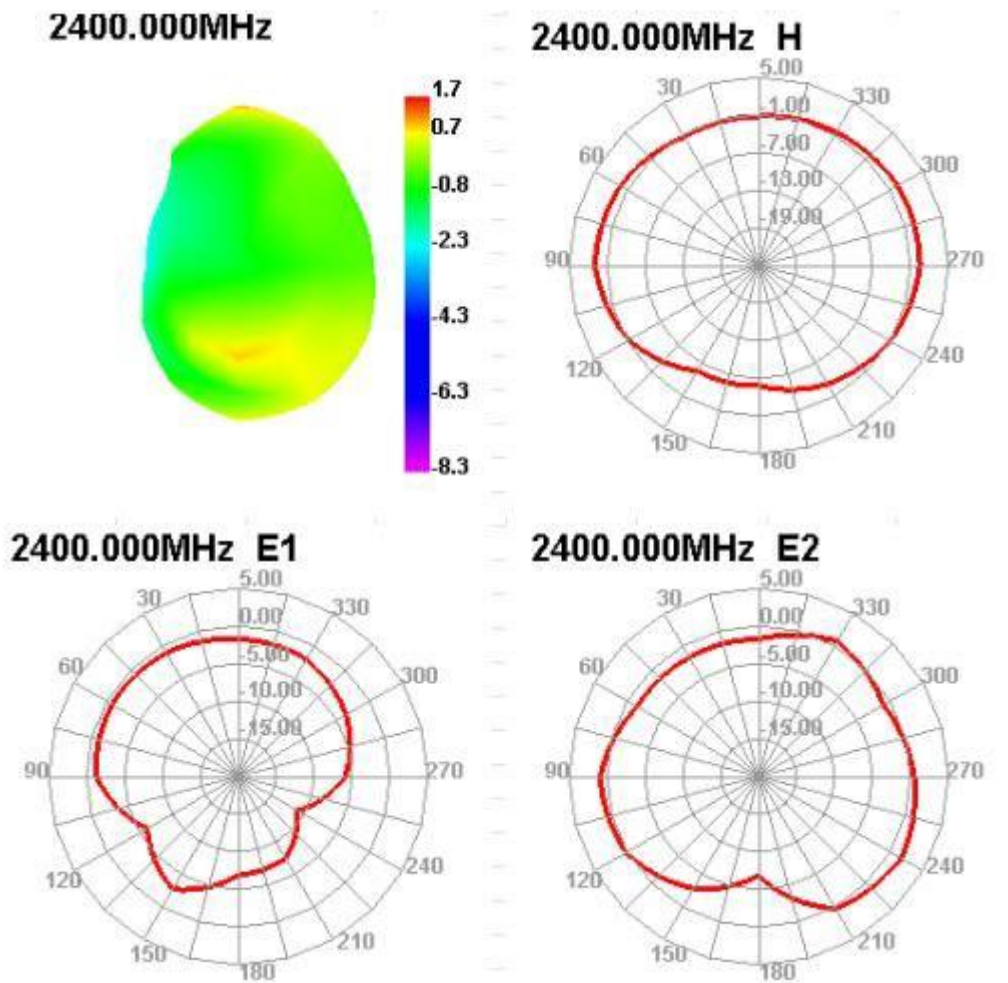


6. Gain and Effi

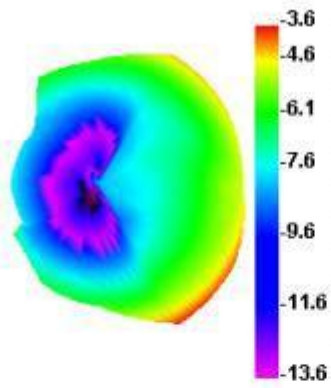
Freq (MHz)	Effi (%)	Gain (dBi)
2400	70.11	1.71
2410	67.77	1.78
2420	63.73	1.62
2430	63.1	1.56
2440	65.18	1.62
2450	67.57	1.53
2460	69.7	1.43
2470	69.79	1.24
2480	70.37	1.3
2490	70.87	1.38
2500	69.03	1.48

Freq (MHz)	Effi (%)	Gain (dBi)
5150	17.56	-3.61
5250	21.14	-2.72
5350	20.65	-2.22
5450	33.85	0.44
5550	28.2	-0.7
5650	36.07	0.84
5750	24.69	-0.62
5850	27.66	-0.64

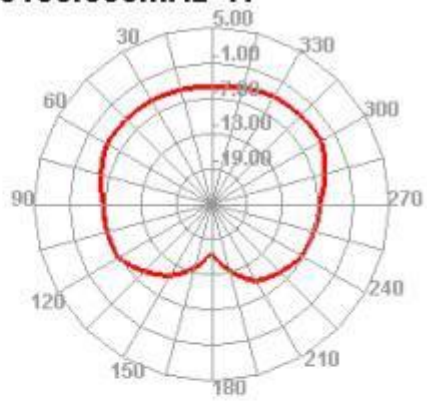
7. 3D 图



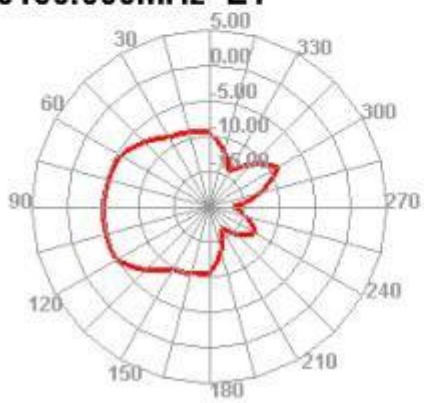
5150.000MHz



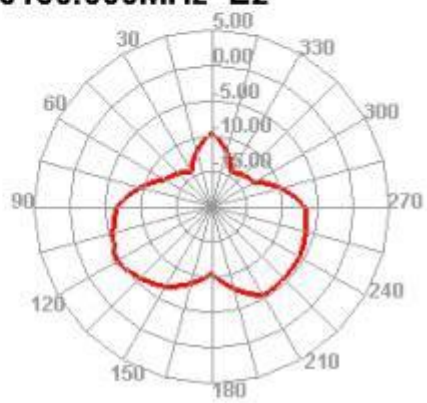
5150.000MHz H



5150.000MHz E1



5150.000MHz E2



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