

Antenna data sheet

ITEM	ANT SPEC
Model:	5.8G ANT
Date:	October 16, 2024
Versions:	V1.0
Manufacturer	Sinco Intelligent Technology Co., Ltd.
Address	Room 805-807, No.17, Wenheng Street, Sanzao Town, Jinwan District, Zhuhai City, China

1. Ant Size:

Size: 10mm*10mm

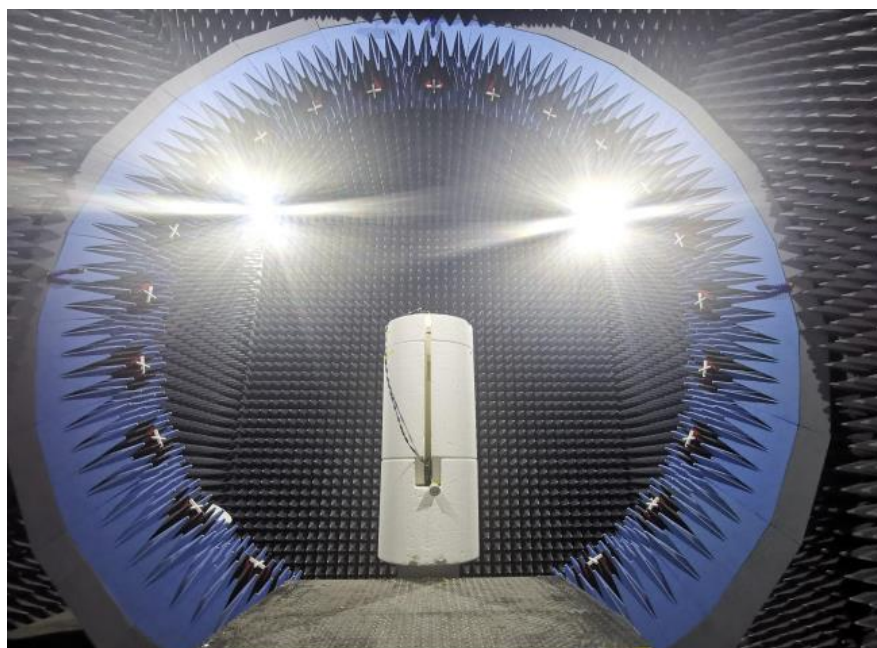
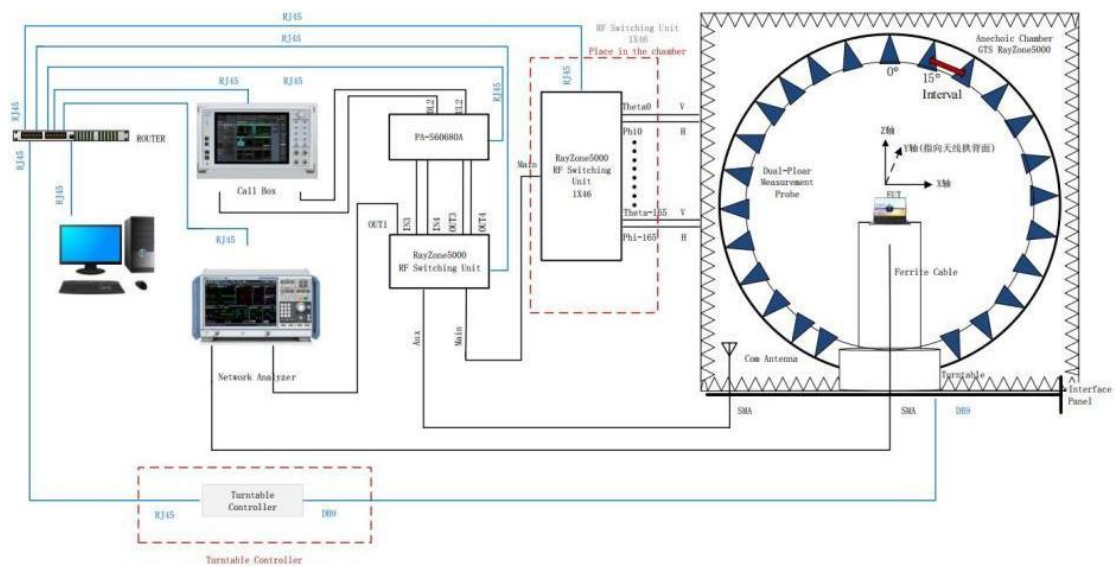


PCB antenna

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

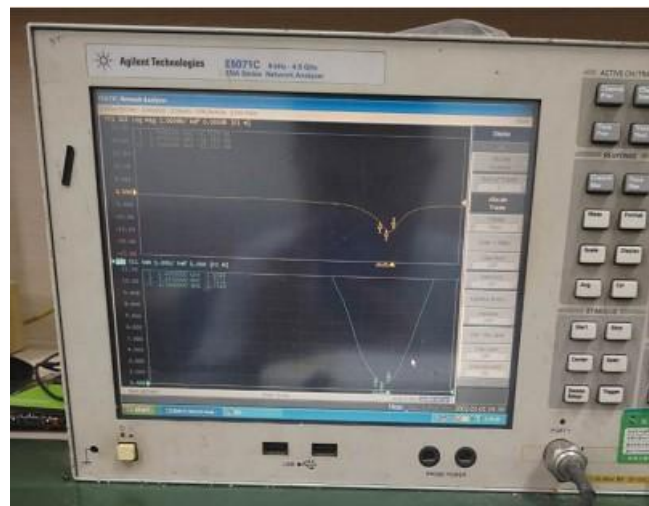


4. Performance parameter

Frequency range	5725MHz~5820MHz
VSWR	≤ 7.0
Input impedance	50 Ω
Peak Gain(dBi)	1.54
Antenna type	PCB
Temperature	-40~80

5. VSWR Test Data

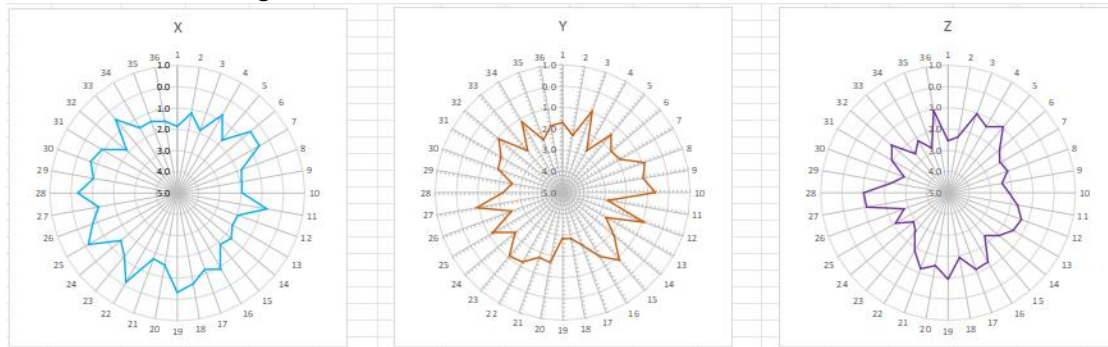
Frequency(MHz)	Return Loss	VSWR
5725	-8.42	1.44
5772	-11.57	2.32
5820	-10.22	1.99



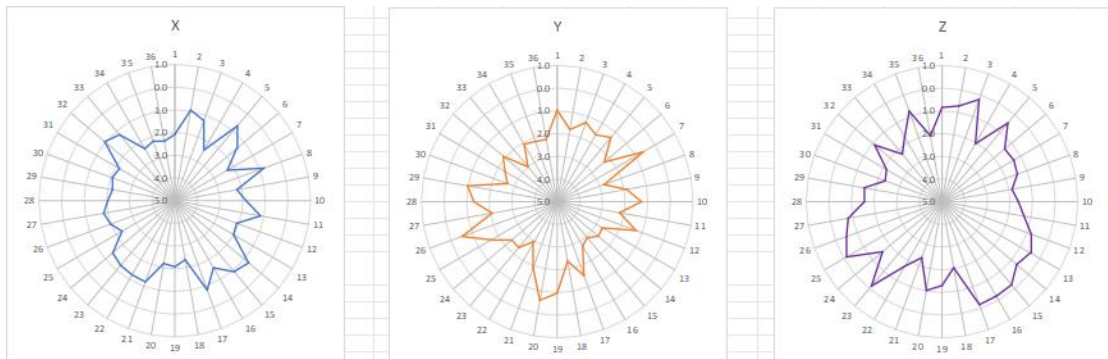
6. Gain and Effi

Frequency(MHz)	Effi	Peak Gain
5725	1.24	-0.17
5730	1.30	-0.53
5740	1.36	-0.66
5750	1.22	-0.78
5760	1.26	-0.57
5770	1.41	0.00
5780	1.48	-0.42
5790	1.68	-0.56
5800	1.43	1.54
5810	1.27	-0.52
5820	1.67	-1.34

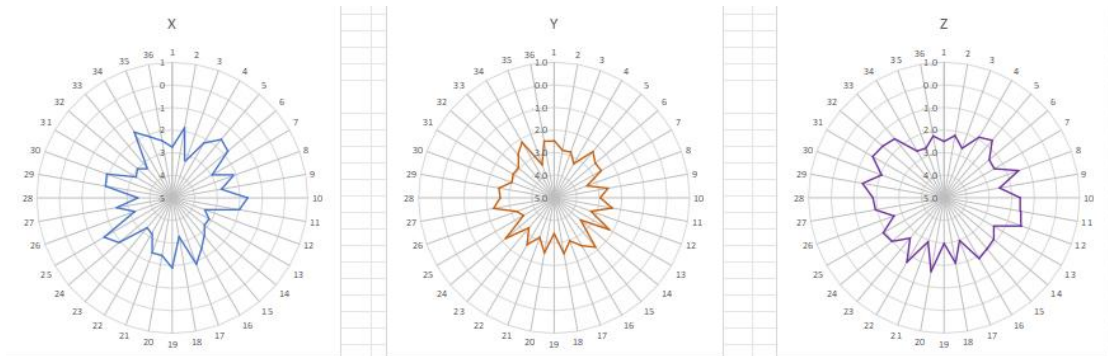
7. Test Directional diagram



5725MHz



5770MHz



5820MHz

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