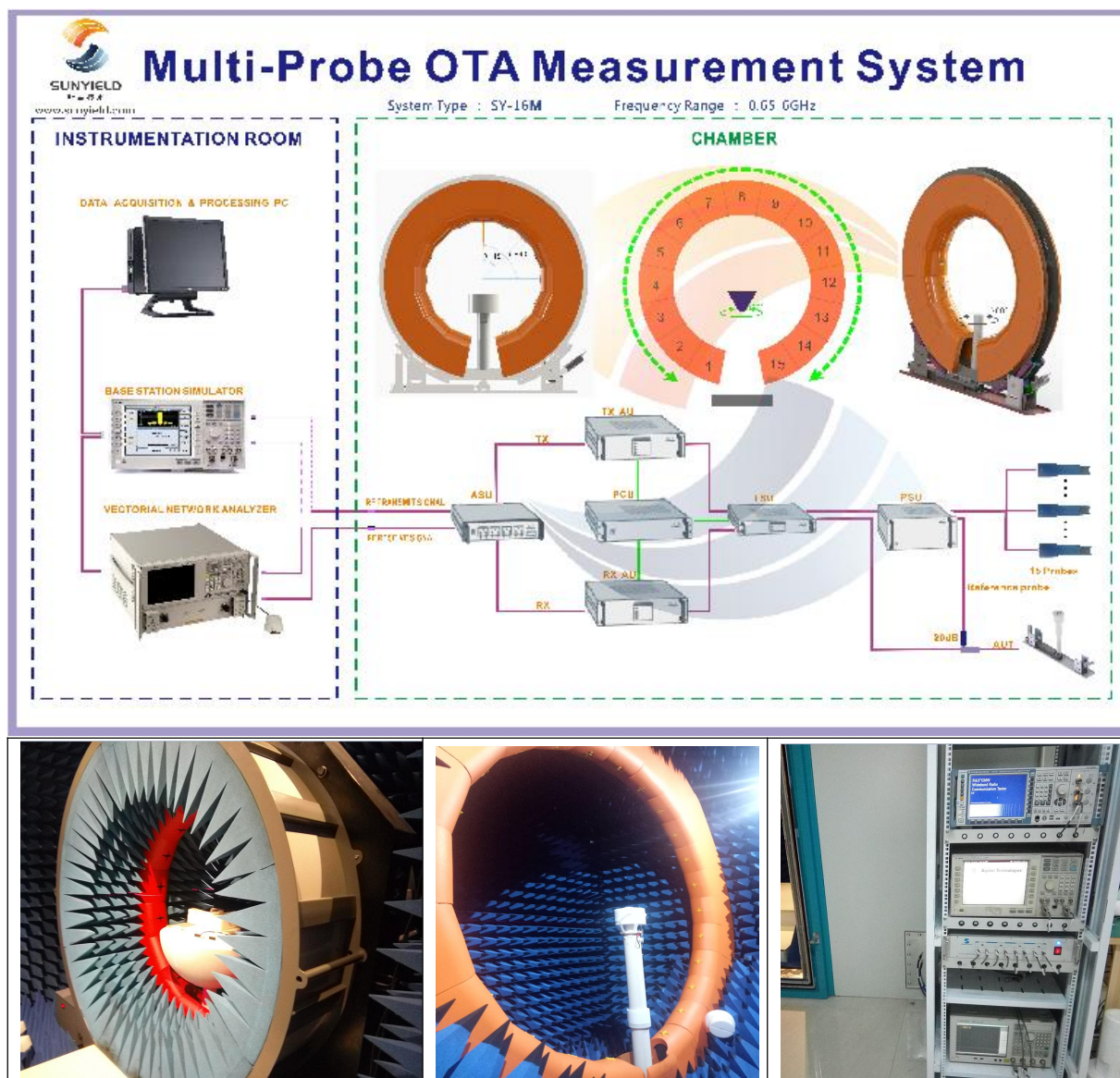


Antenna OTA Report

Name	WIFI suction cup antenna		
Test items	VSWR, Gain, Efficiency, 2D/3D pattern		
Frequency	2400-2500MHz		
Antenna model	DD600518		
Remark			
Version	Date	Formulate	Approved
1.0	2024-12-11	WU	LI

1. Antenna test principle

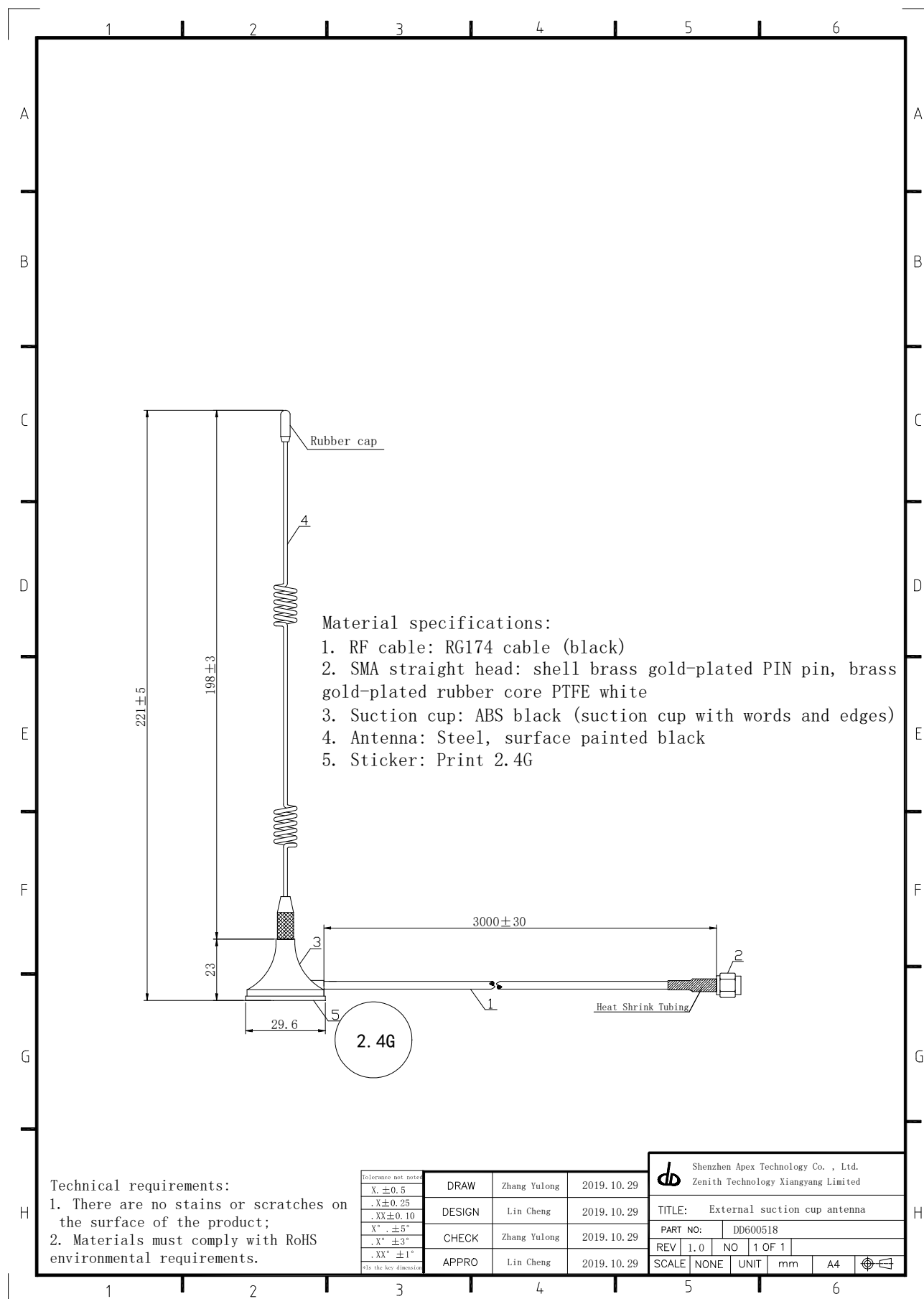


Test system: SY-16M antenna measurement system/SY-24M antenna measurement system

Test environment: temperature $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$, humidity $50\% \pm 15\%$

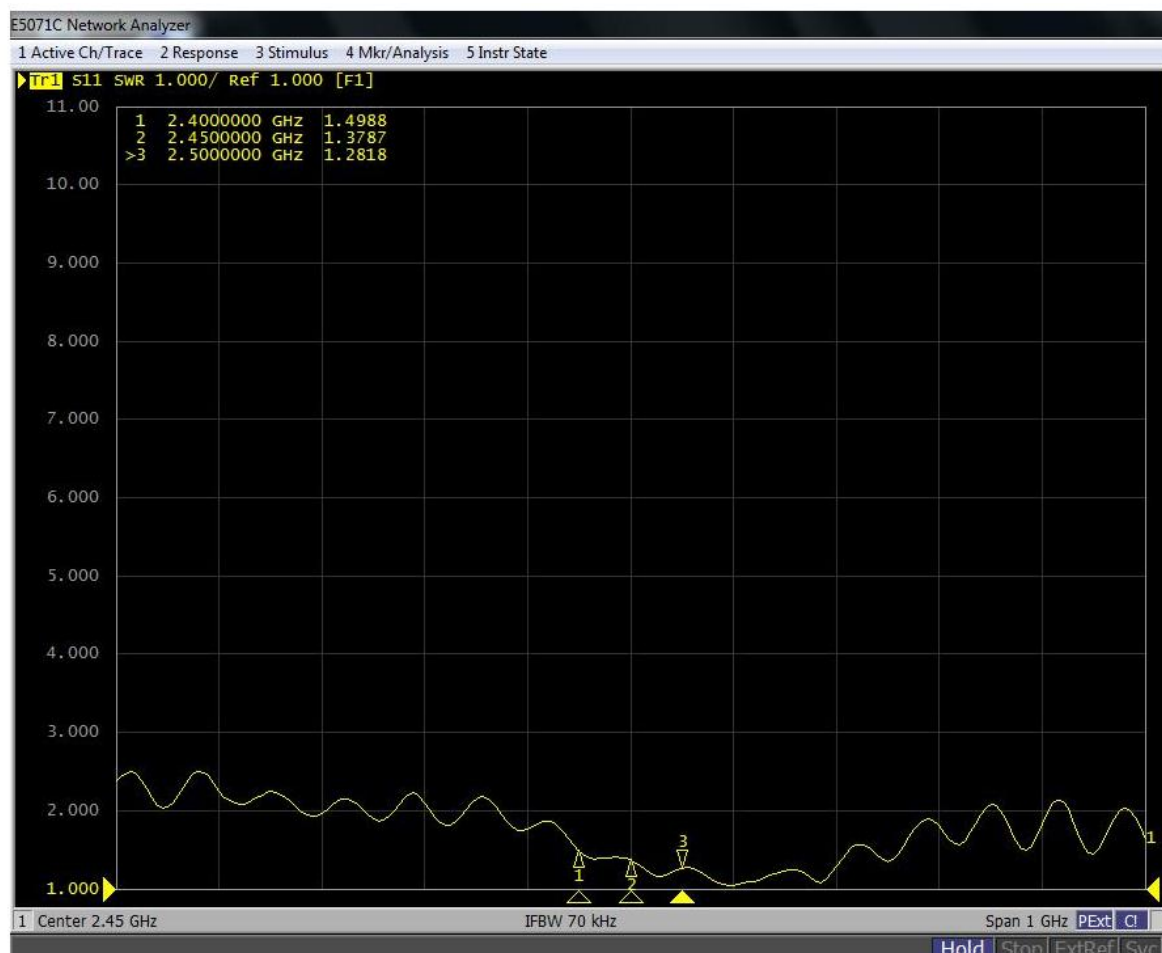
Test equipment: Agilent 5071C network analyzer, Agilent 8960 comprehensive tester, CMW500 broadband wireless comprehensive tester

2. Antenna size diagram



3. Antenna parameters

3.1) VSWR



3.2) gain, efficiency

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	0.37	29.4
2410	0.43	29.24
2420	0.54	28.92
2430	0.45	28.9
2440	0.37	29.54
2450	0.41	29.12
2460	0.52	28.23
2470	0.41	28.45
2480	0.31	28.50
2490	0.24	28.79
2500	0.21	28.46

3.3) 2D/3D pattern

