



东莞市森岭智能科技有限公司

DONGGUAN CITY SLEing INTEL-TECH

电性测试报告

Test Reports

Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	≤ 12
Return Loss	-1.5dB Max
Radiation	Omni-directional
Gain (Peak)	2.32 dBi
Polarization	Linear, Vertical
Admitted Power	2 W
Connector	MHF
Physical Properties	
Antenna Material	FPC+Cable
Cable Type	$\Phi 1.13\text{mm}$ Dark grey
Operating Temp	-30°C -85°C
Storage Temp.	-30°C -85°C
Model	SLEingB226930090

DONGGUAN SLEing INTEL-TECH CO.,LTD

Add:Room 323, Building 15, No.1 Xuefu Road, Songshan Lake Park, Dongguan City,
Guangdong Province, China

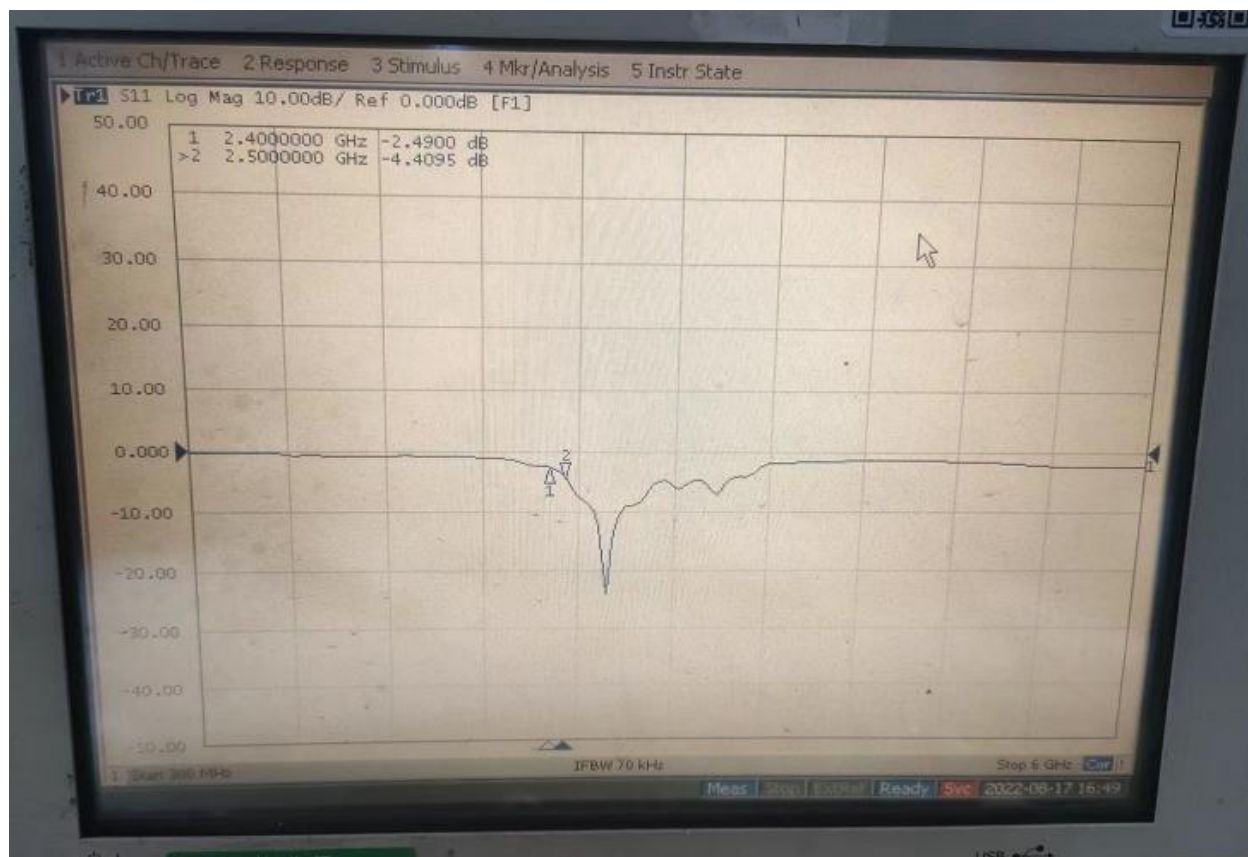
*S参数测试

S Parameter Test

Agilent E5071C Network Analyzer



RF Antenna (Return Loss) 单天线测试



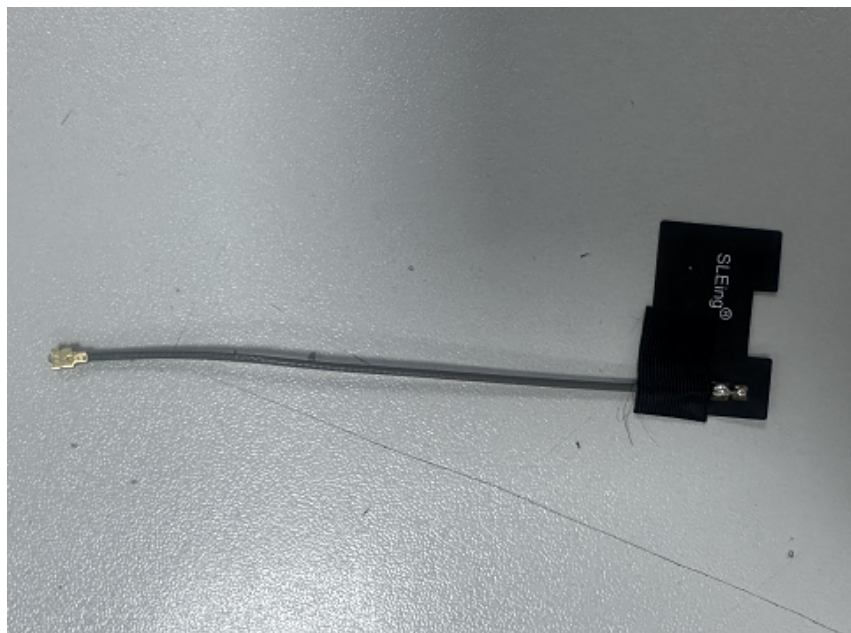


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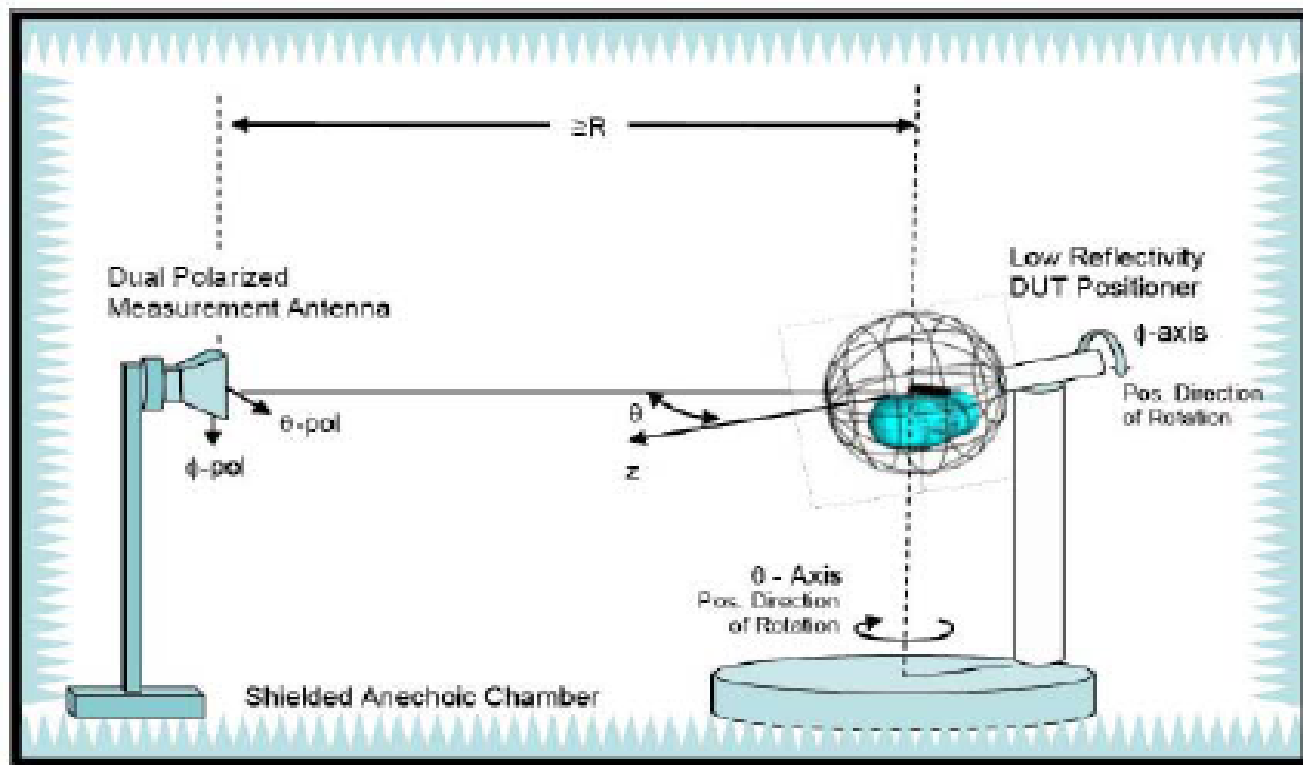
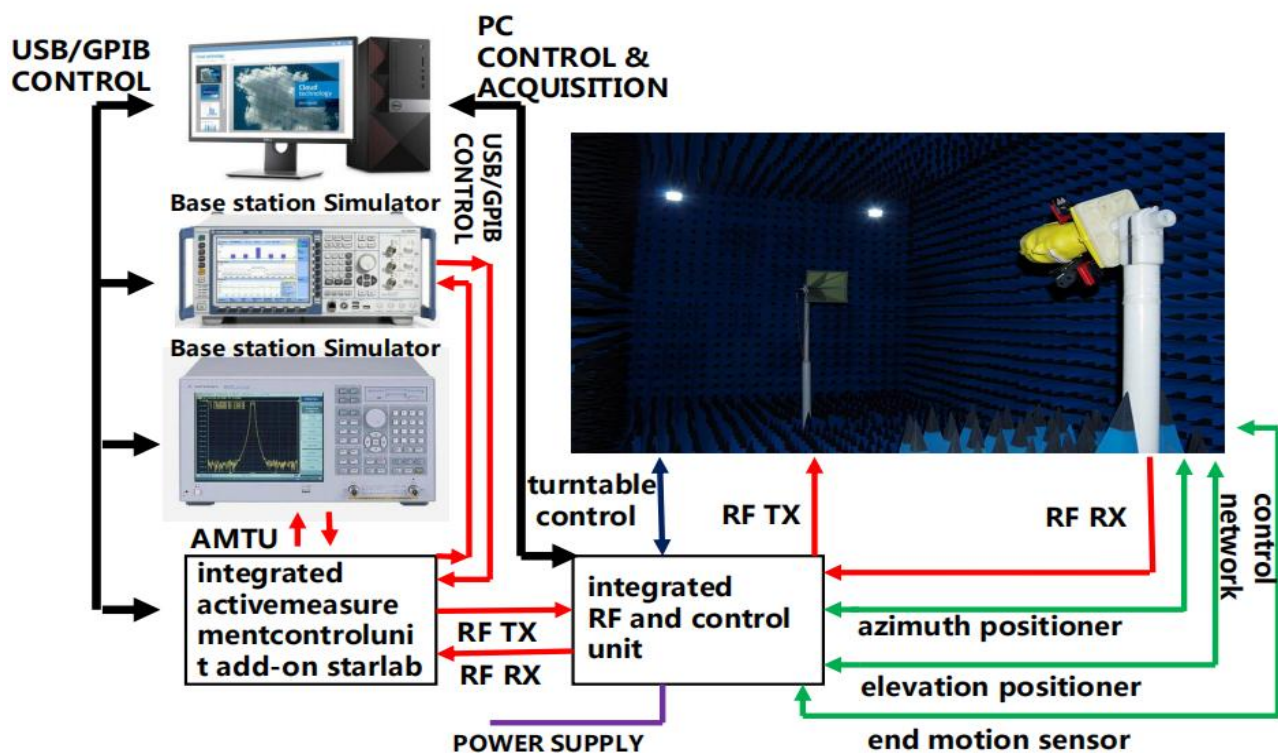
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天线组装图

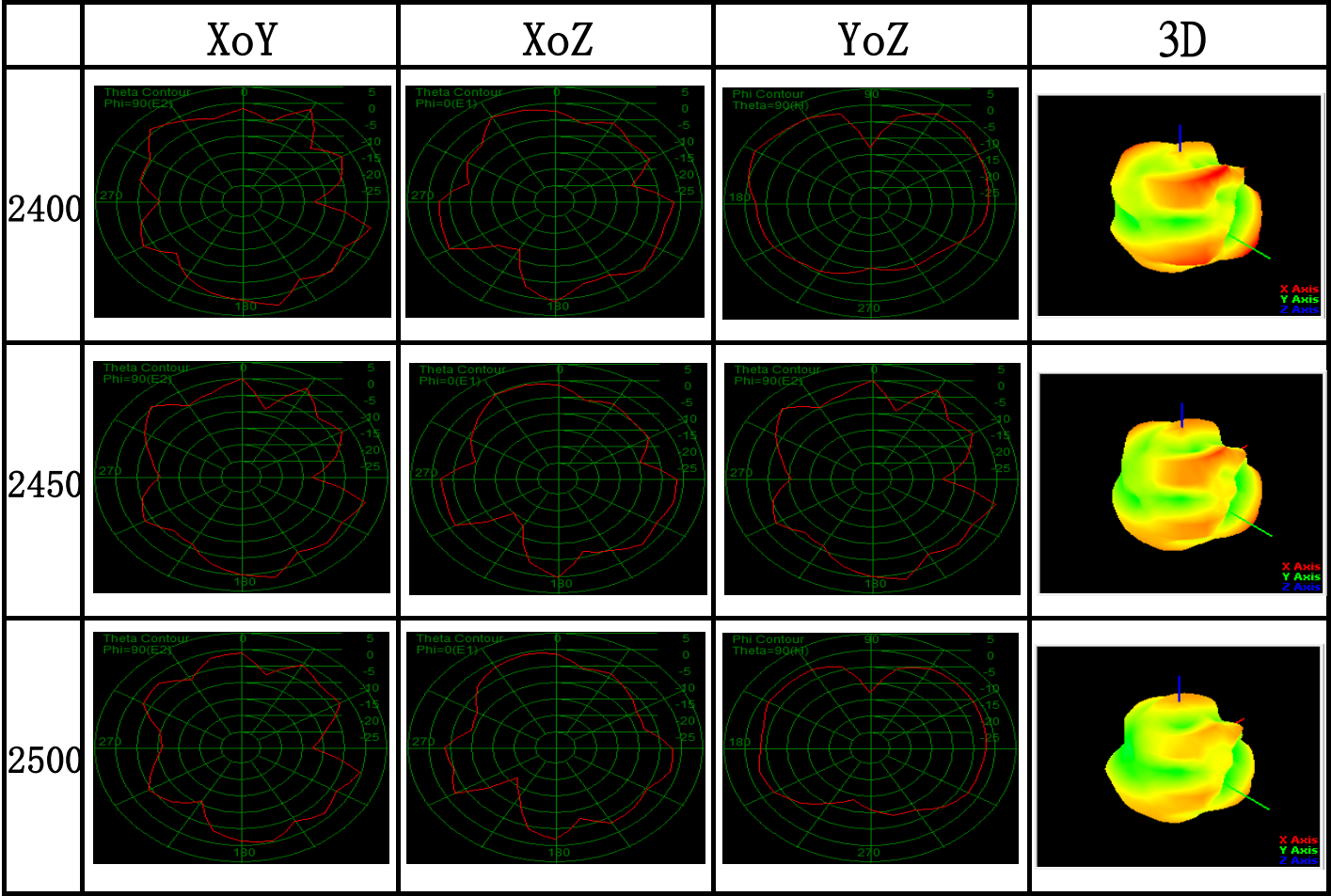
Antenna assembly diagram



测试设备 Test Setup



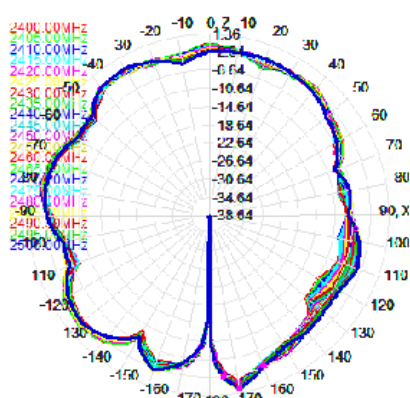
方向图
Pattern



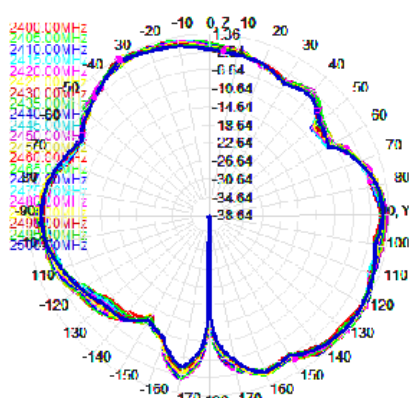
测试效率 Test Efficiency

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400	2405	2410	2415	2420	2425	2430	2435	2440	2445	2450
Gain (dBi)	0.70	1.10	1.44	1.70	1.91	1.95	2.05	2.32	2.17	1.79	1.66
Efficiency (%)	43.47	45.15	44.95	45.16	47.33	47.68	48.11	50.44	50.97	50.84	51.80
Frequency ID	12	13	14	15	16	17	18	19	20	21	
Frequency (MHz)	2455	2460	2465	2470	2475	2480	2485	2490	2495	2500	
Gain (dBi)	1.48	1.40	1.50	1.50	1.41	1.43	1.41	1.21	0.93	0.98	
Efficiency (%)	51.34	50.99	51.73	50.02	48.81	50.66	50.23	47.70	48.13	48.64	

XZ



YZ



XY

