



东莞市森岭智能科技有限公司

DONGGUAN SLEing INTEL-TECH CO.,LTD

电性测试报告

Test Reports

Electrical Properties	
Frequency	850-940 MHz
Impedance	50 Ohm Nominal
V.S.W.R	≤ 3.0
Return Loss	-6dB Max
Radiation	Omni-directional
Gain (Peak)	2.3 dBi
Polarization	Linear, Vertical
Admitted Power	2 W
Connector	MHF
Physical Properties	
Antenna Material	FPCB
Cable Type	$\Phi 1.13\text{mm}$ Black
Operating Temp	-40°C-85°C
Storage Temp.	-5°C-30°C
model name.	SLEing NB Antenna

DONGGUAN SLEing INTEL-TECH CO.,LTD

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



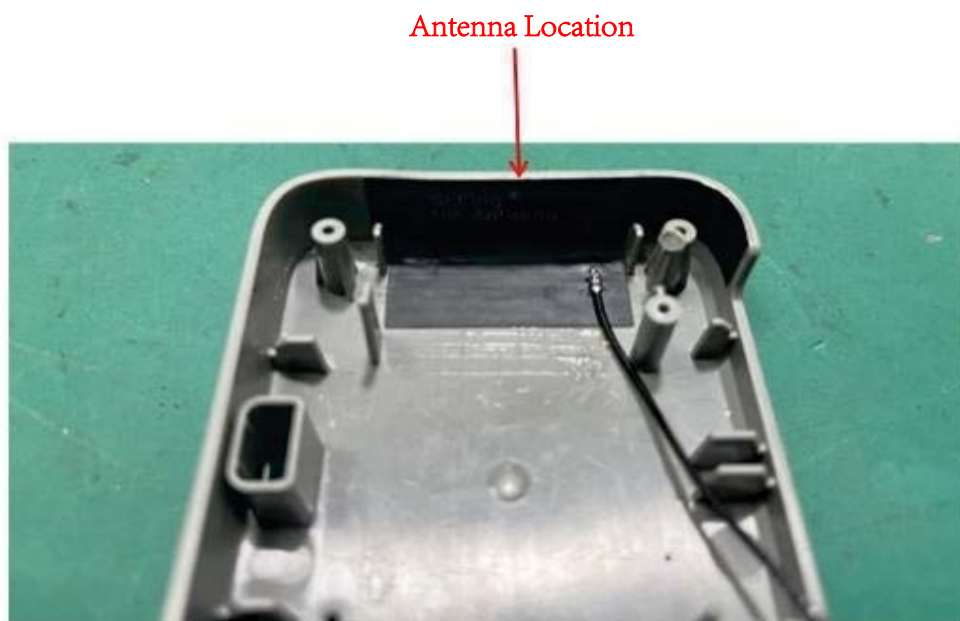
东莞市森岭智能科技有限公司

DONGGUAN SLEing INTEL-TECH CO.,LTD

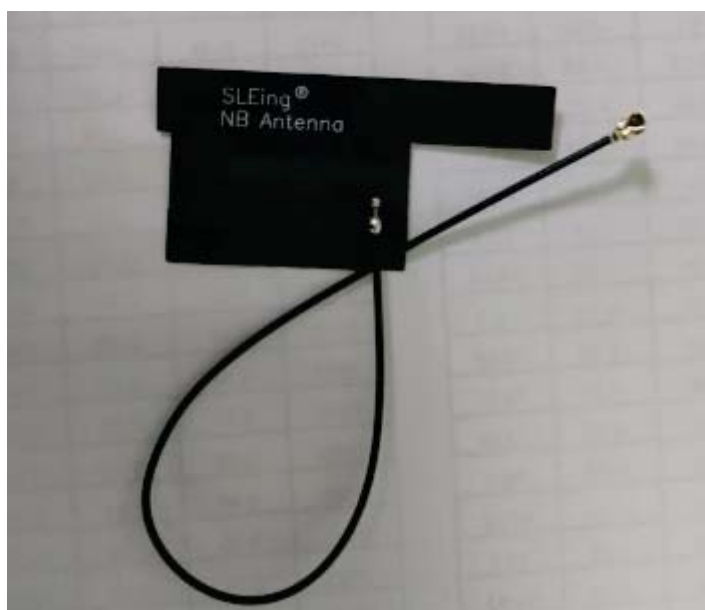
天线组装图

Antenna assembly diagram

Device



Antenna



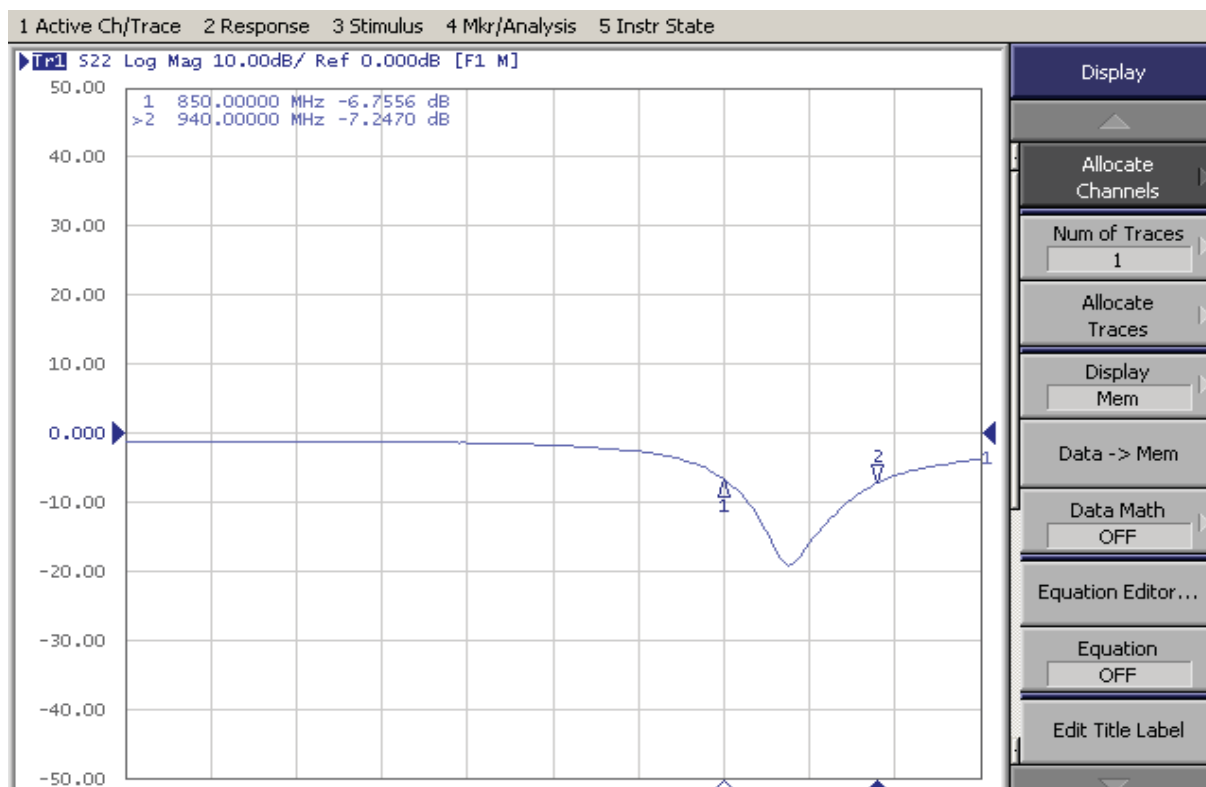
S参数测试

S Parameter Test

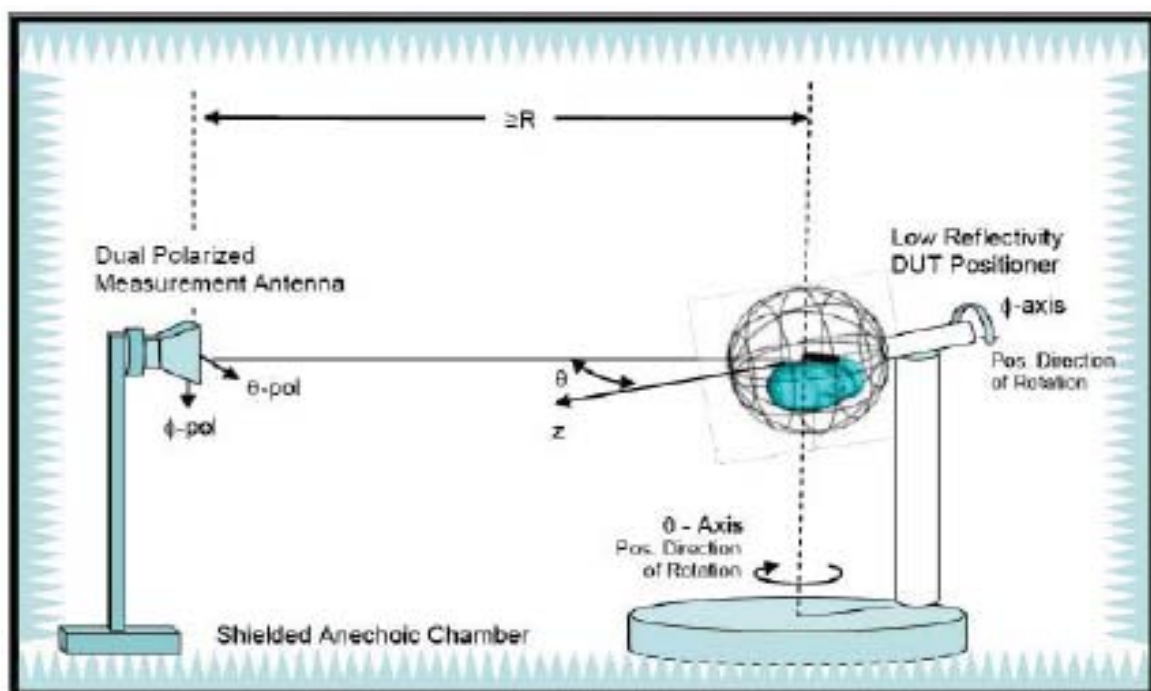
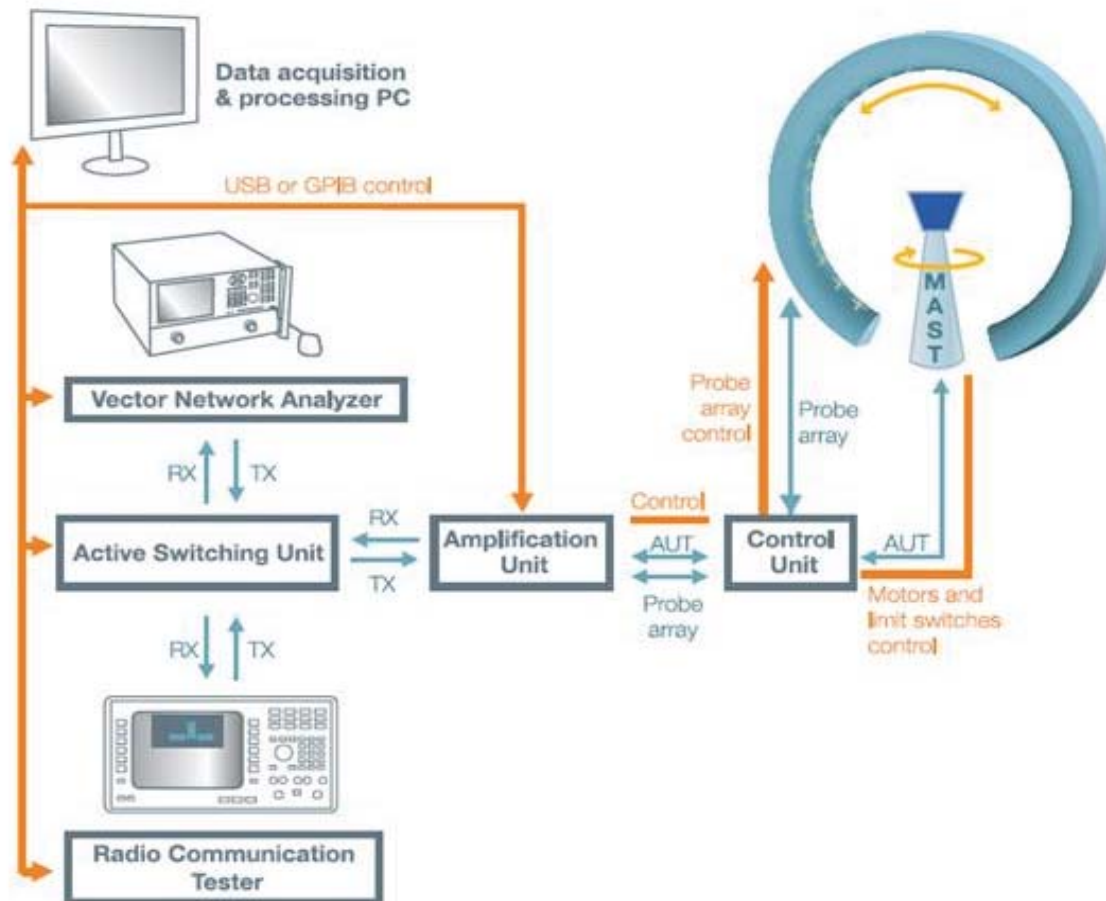
Agilent E5071C Network Analyzer



RF Antenna (Return Loss)



测试设备 Test Setup





东莞市森岭智能科技有限公司

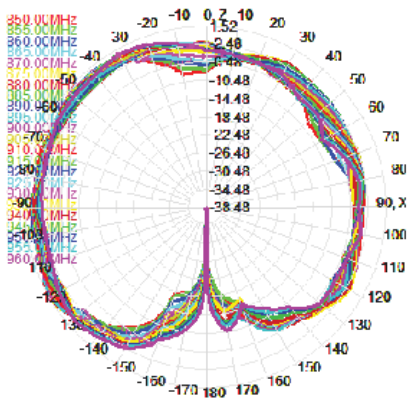
DONGGUAN SLEing INTEL-TECH CO.,LTD

测试效率

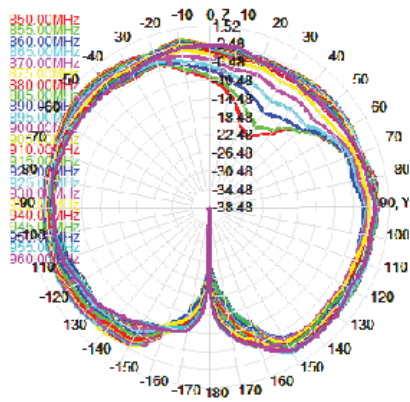
Test Efficiency

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	
Frequency (MHz)	850	855	860	865	870	875	880	885	890	895	900	
Gain (dBi)	1.89	1.72	1.66	1.81	2.02	2.30	2.02	1.48	1.63	1.69	0.99	
Efficiency (%)	44.20	43.23	42.89	45.20	46.76	48.21	49.34	49.30	50.62	51.92	50.82	
Frequency ID	12	13	14	15	16	17	18	19	20	21	22	23
Frequency (MHz)	905	910	915	920	925	930	935	940	945	950	955	960
Gain (dBi)	0.83	1.02	1.17	1.20	1.17	1.11	1.01	0.83	0.72	0.59	0.60	0.70
Efficiency (%)	50.03	49.97	48.51	47.55	46.45	44.32	43.57	43.39	42.54	42.15	42.80	43.18

XZ



YZ



XY

