

DONGGUAN CITY SLEING INTELLIGENCE TECHNOLOGY CO.,LTD

SPECIFICATION FOR APPROVAL

Shenzhen Lianke Network Technology Co., Ltd

Room 501, Building A, Huafeng Zhigu-Yuanshan High-Tech Industrial Park, No. 62, Shenzhen, China

晶 名

供方料号

送样日期Date: 2017.09.20

版本Revision: X3

客户确认 CUSTOMER APPROVED BY

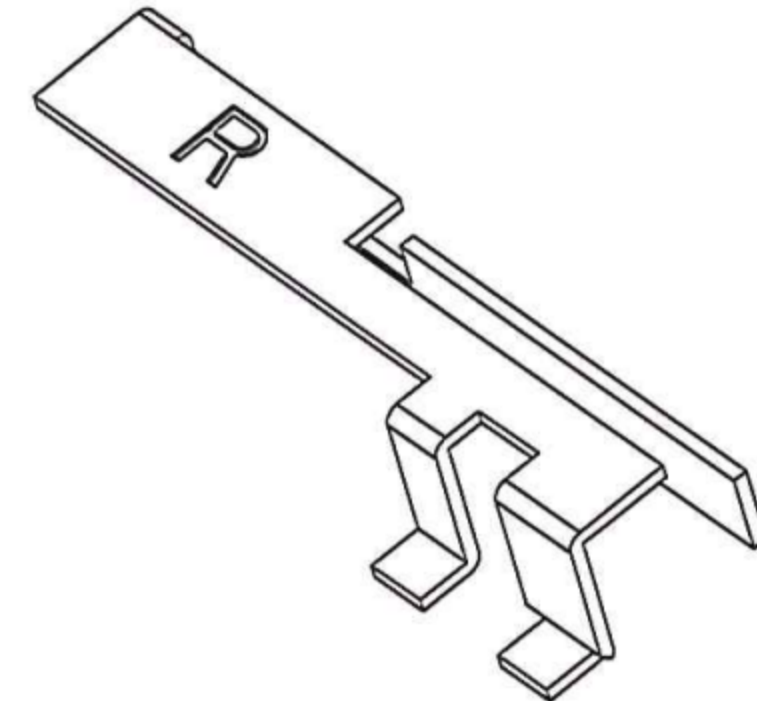
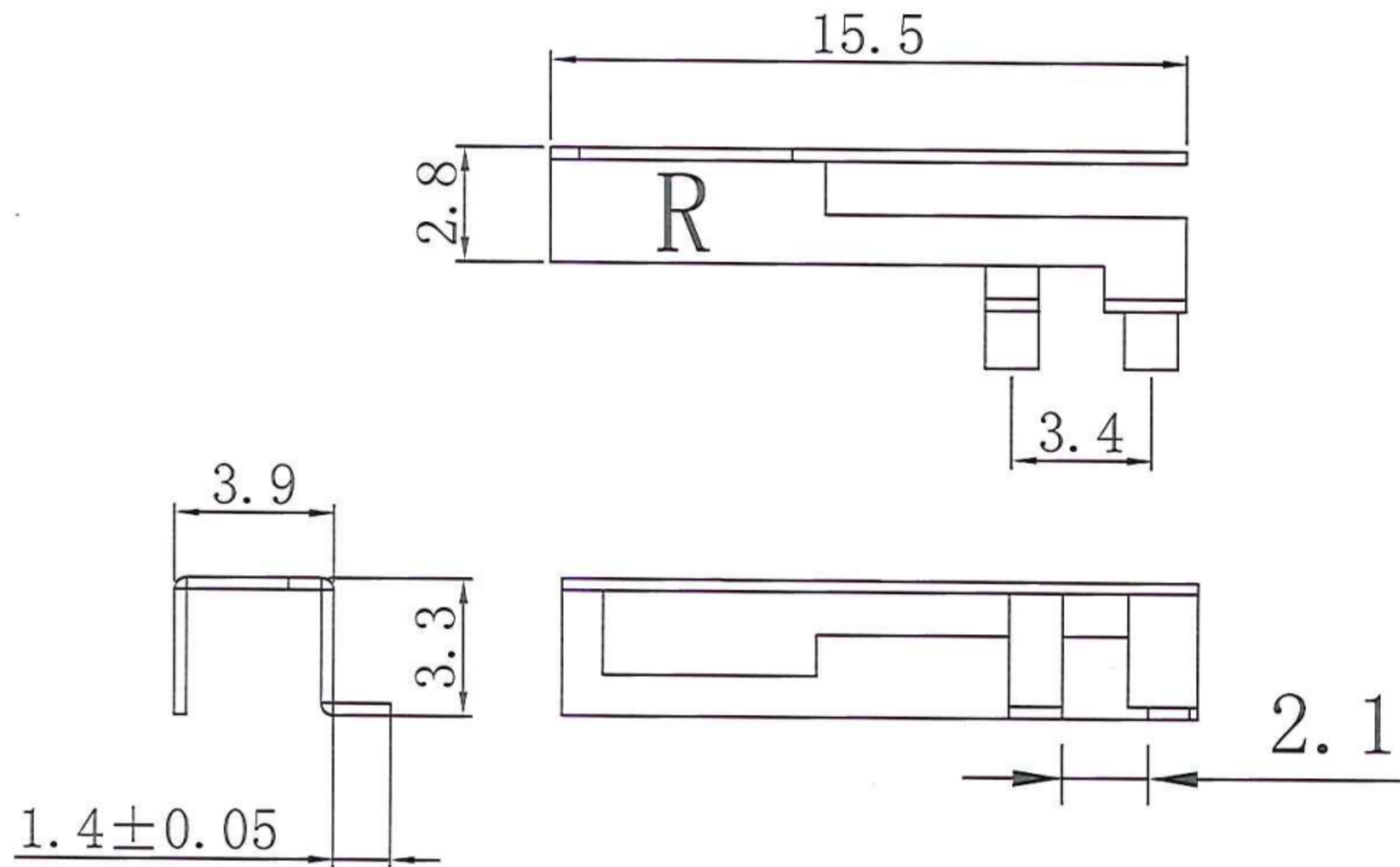
供方确认 **SUPPLIER SIGNATURE**



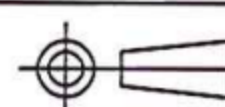
地址：东莞市松山湖工业东路现代企业加速器 6 栋 402

电话: 0769-89208968 传真: 0769-89208969

REV.	CONTENT	DATE
X1	First Sample	2017.09.16
X2	更改尺寸	2017.09.19
X3	增加印字	2017.09.20



Specification:
Frequency Rang: 2.4~2.5GHz(带机测试)
Return Loss: -10 dB Max
VSWR: ≤ 1.92

SLEing® 森岭 东莞市森岭智能科技有限公司 DONGGUAN SLEing INTEL-TECH CO., LTD	S.L P/NO		SLE-100060103-R	
	PART NAME		2.4GHz WiFi	
 TOLERANCE UNLESS OTHERWISE SPECIFIED UNIT: mm	PRODUCT			
	SIZE	DRAWN	CHECKED	APPROVED
SHEET: 1/1 SCALE: 1/1	ANGLES ±0.5°	X. ±0.3	 2017.09.20 工程部部长	
	.XX ±0.05	XX. ±0.5		
		XXX. ±2.0		

1	PIFA	洋白铜	L15.5*W3.9*H3.3*T0.3mm	
NO	PART NO.	PART NAME	MATERIAL	REMARK
8	7	6	5	4

电性测试报告

Test Reports

Electrical Properties	
Frequency	2.4~2.5GHz(带机测试)
Impedance	50 Ohm Nominal
V.S.W.R	≤ 1.92
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	1.9 dBi
Polarization	Linear, Vertical
Admitted Power	2 W
Connector	
Physical Properties	
Antenna Material	PIFA
Cable Type	
Operating Temp.	-40~+85 °C
Storage Temp.	-40~+85 °C

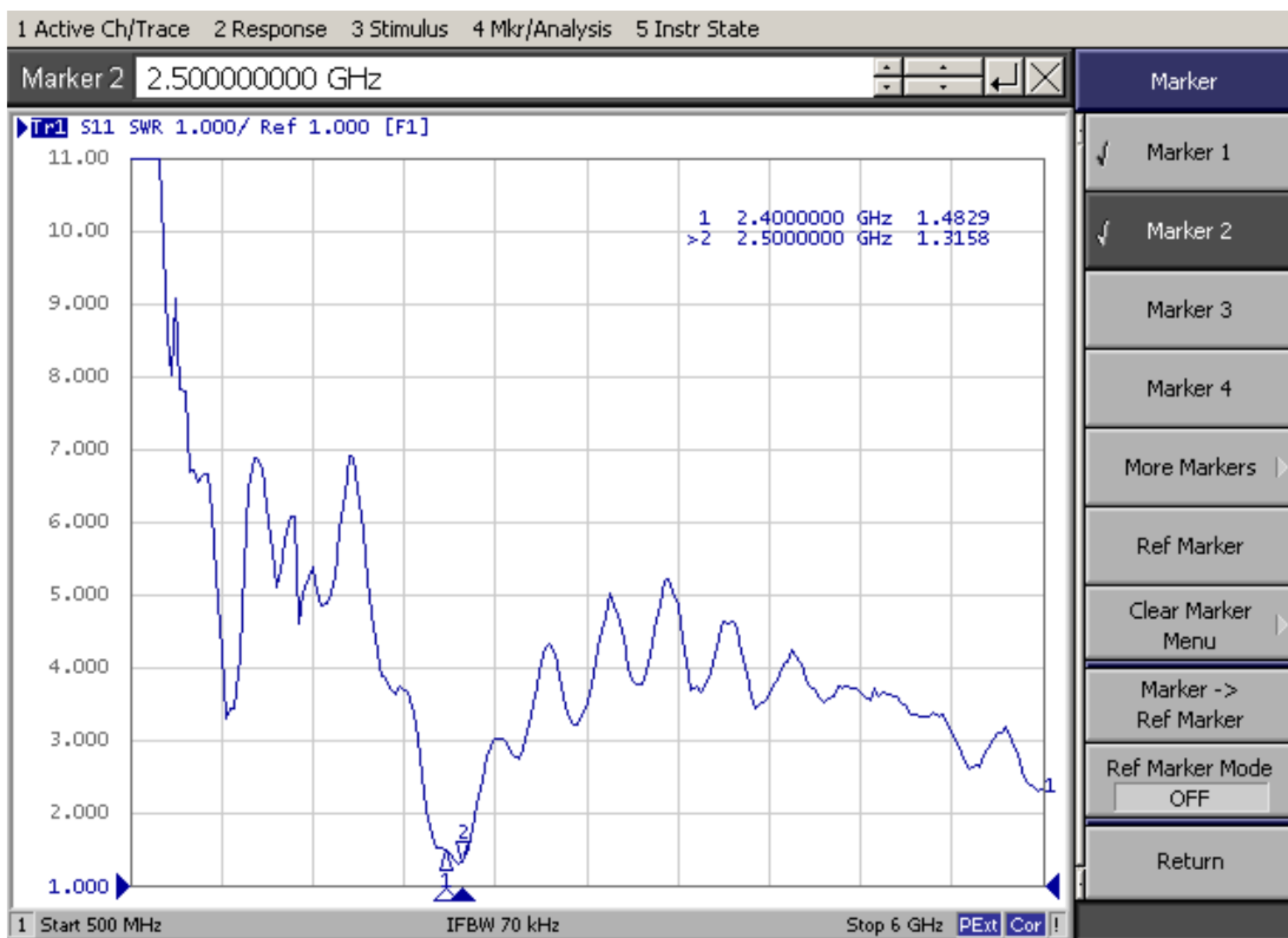
S 参数测试

S Parameter Test

Agilent E5071C Network Analyzer

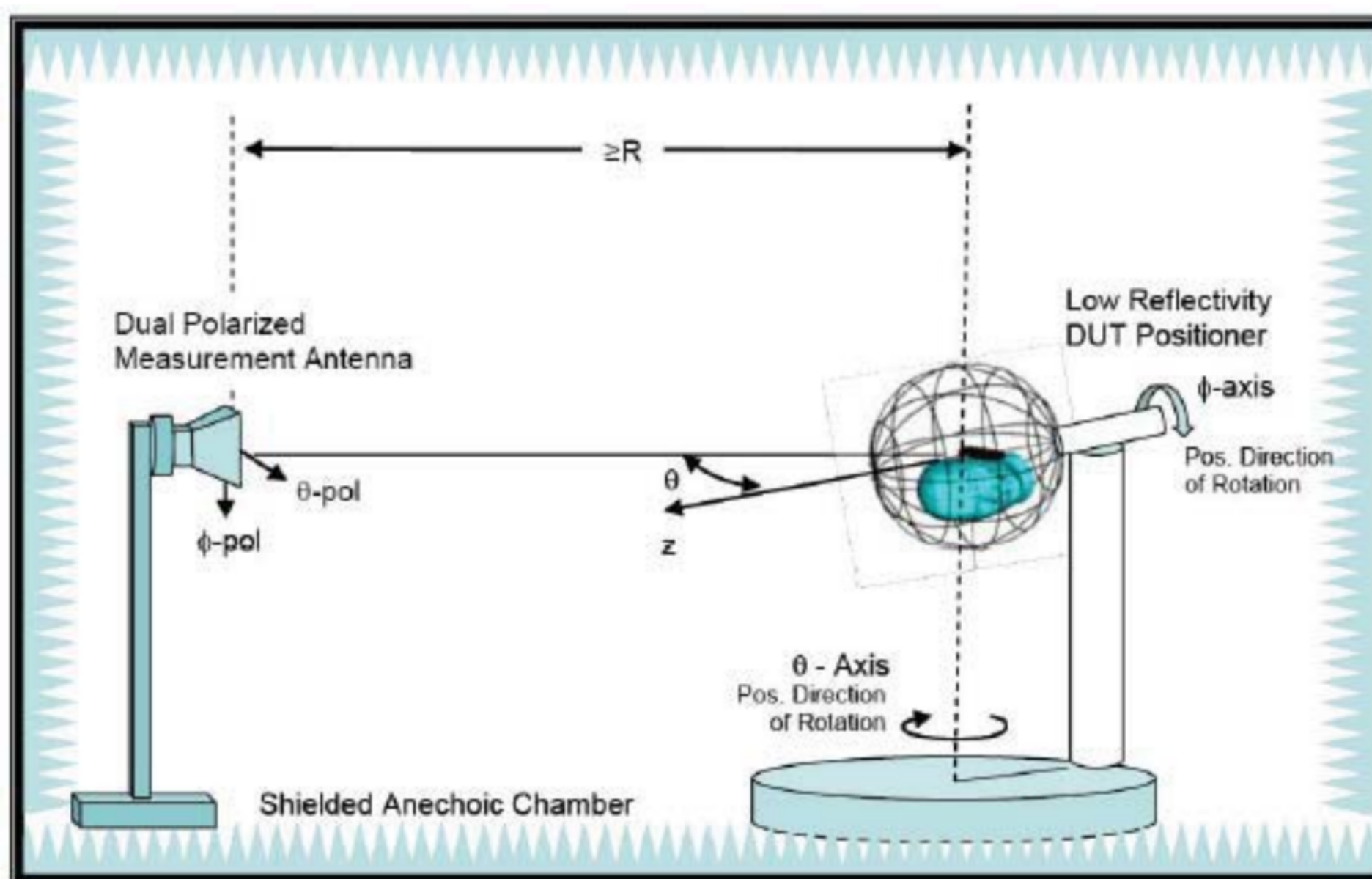
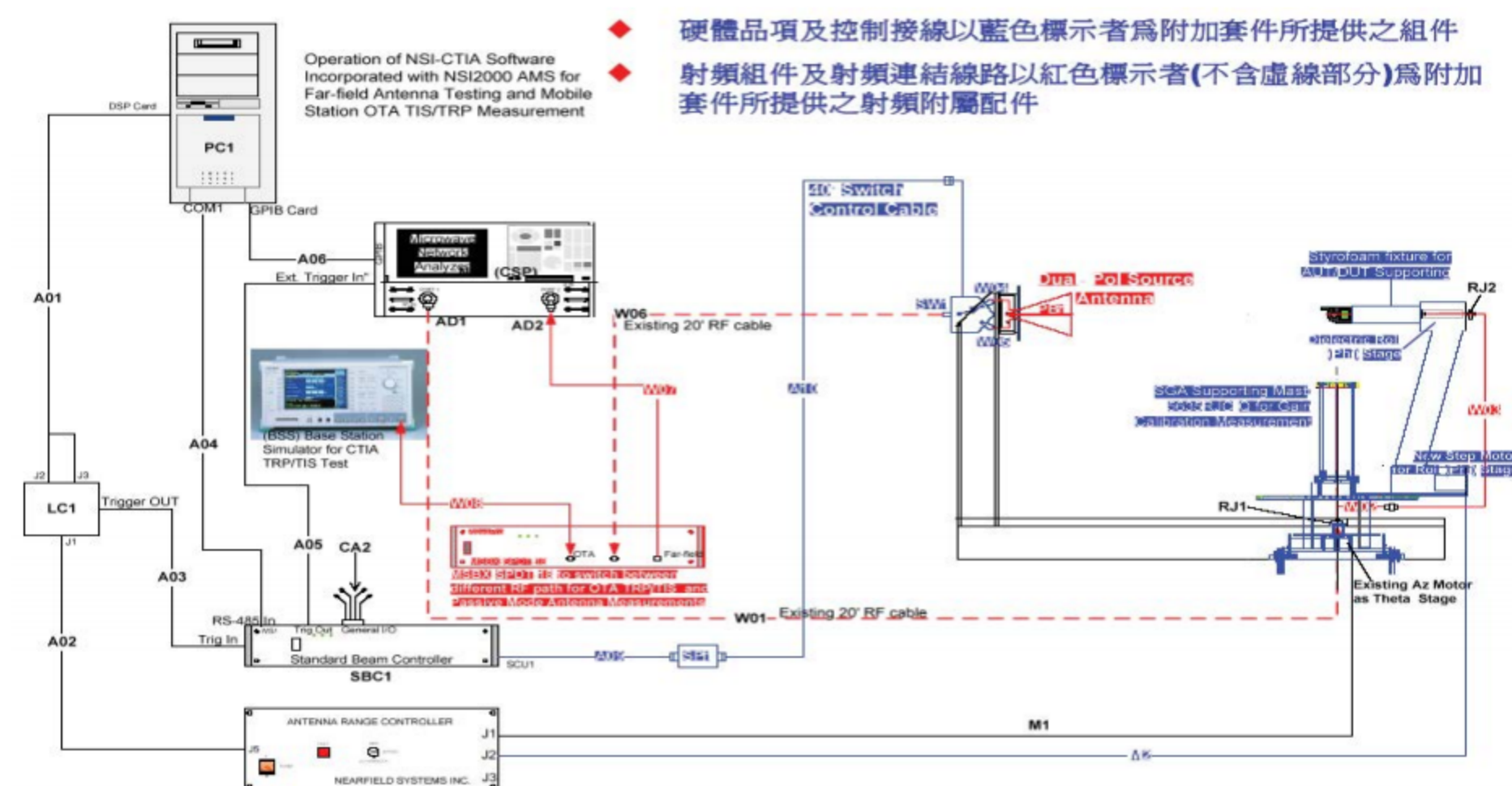


WIFI Antenna (NO. 1)



测试设备 Test Setup

NFC-500S 3D Chamber Coordinate System Definition

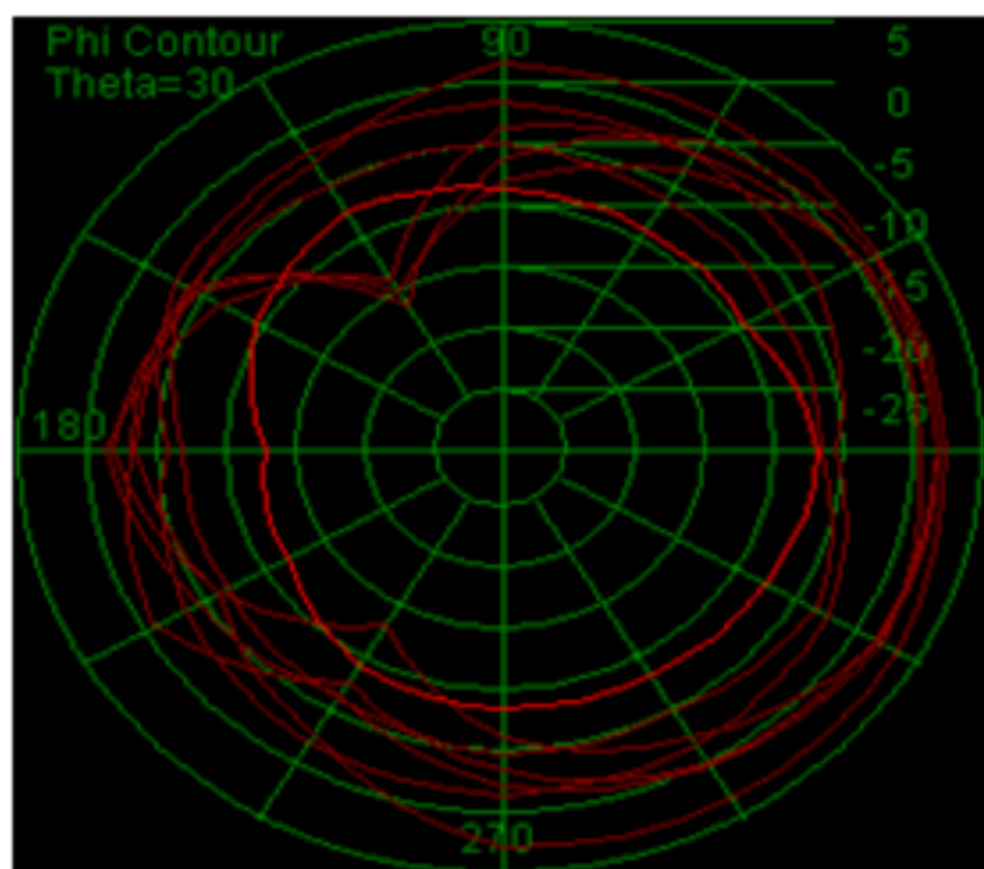


Configuration of 3D Chamber

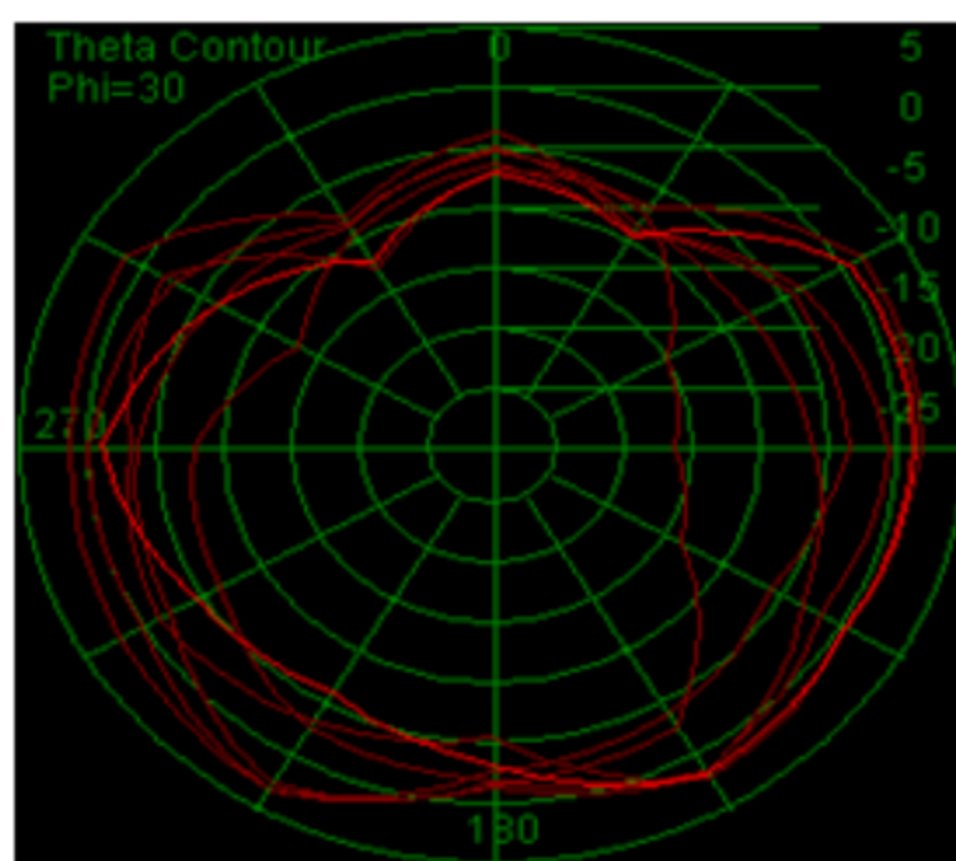
方向图 Patten

1.3 2D Radiation patterns test results (Passive Antenna)

XZ Plane

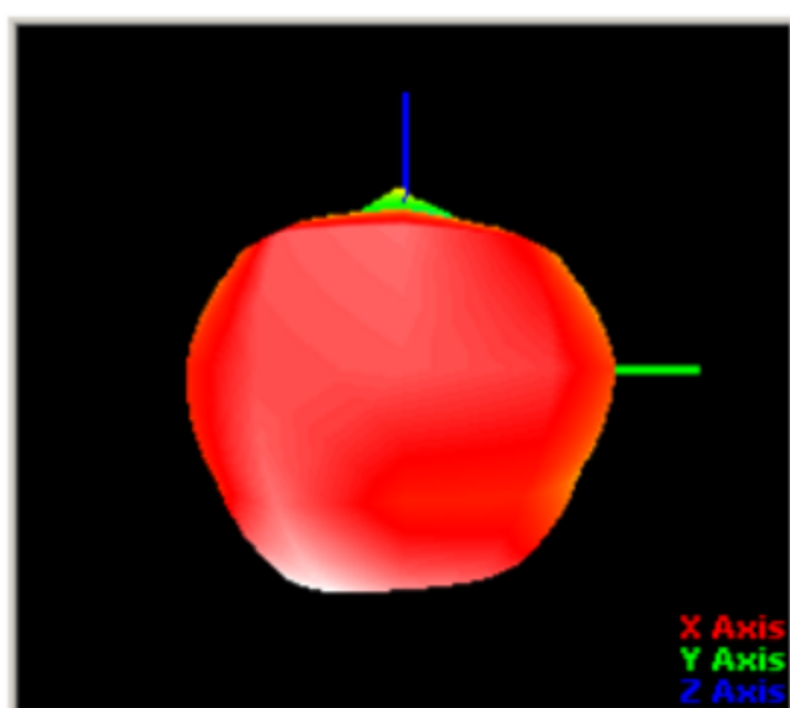


YZ Plane



1.5 3D Radiation patterns test results (Passive Antenna)

3D



东莞市森岭智能科技有限公司

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测试效率

Test Efficiency

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dBi)	Efficiency (%)	Efficiency (dB)	Max (dBm)	Theta of Max	Phi of Max	Min (dBm)	Theta of Min	Phi of Min	AVG (dBm)	Max/Min (dB)	Max/AVG (dB)	Min/AVG (dB)
1	2412.0	2412.00	1.10	5.64	45.7%	-2.54	1.10	150	300	-16.57	90	120	-2.26	19.66	5.36	-14.31
2	2417.0	2417.00	1.86	5.41	45.6%	-2.55	1.86	150	300	-16.45	60	120	-2.25	19.31	5.11	-14.20
3	2422.0	2422.00	1.89	5.29	47.6%	-2.40	1.89	150	330	-16.89	60	120	-2.15	19.78	5.04	-14.74
4	2427.0	2427.00	1.25	4.75	46.3%	-2.49	1.25	150	330	-15.81	60	120	-2.46	18.06	4.71	-13.35
5	2432.0	2432.00	1.70	4.43	43.3%	-2.74	1.70	150	300	-17.17	90	120	-2.75	18.86	4.45	-14.41
6	2437.0	2437.00	1.55	4.96	47.4%	-2.41	1.55	150	300	-19.29	120	120	-2.43	21.84	4.98	-16.86
7	2442.0	2442.00	1.80	4.30	46.2%	-2.50	1.80	150	300	-15.75	60	120	-2.65	17.55	4.45	-13.10
8	2447.0	2447.00	1.45	4.19	43.2%	-2.74	1.45	150	300	-17.78	90	120	-3.11	19.22	4.56	-14.67
9	2452.0	2452.00	1.33	3.86	45.8%	-2.53	1.33	150	330	-17.63	60	120	-2.97	18.96	4.30	-14.66
10	2457.0	2457.00	1.90	4.43	45.8%	-2.53	1.90	150	300	-16.84	120	120	-2.95	18.74	4.85	-13.89
11	2462.0	2462.00	0.87	3.67	42.5%	-2.80	0.87	90	330	-17.57	60	120	-3.26	18.44	4.13	-14.31
12	2467.0	2467.00	1.35	3.82	46.6%	-2.47	1.35	90	330	-16.19	90	120	-2.89	17.55	4.24	-13.31
13	2472.0	2472.00	1.71	4.09	47.8%	-2.38	1.71	120	330	-16.10	90	120	-2.71	17.81	4.42	-13.39
14	2484.0	2484.00	1.55	3.98	47.1%	-2.43	1.55	150	300	-14.03	60	120	-2.72	15.58	4.27	-11.31
15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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