

样品承认书

Confirmation of products

客户名称 Customer	深圳市宜思创科技有限公司				
项目名称 Project Name	SR1	版本 Version	A. 1	日期 Date	2025-02-27
项目料号 Project NO.	05. 14. 01. 0001	客户料号 Customer NO.			
频段 Frequency Range	2400~2500MHz	备注 Notes	版本号：V2.0		
设计 Designed By					
审核 Approved By					
客户确认 Clients' Approval					

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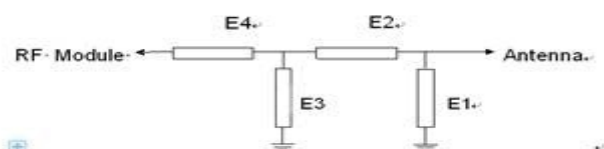
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1、Specification

This report mainly provides the testing conditions of various electric and structural performance parameters for cell phone antenna ----SR1 Picture 1 shows the antenna designed by LR.



2 、 Matching circuit diagram



Element	Value
E1(0201)	
E2(0201)	0欧姆
E3(0201)	
E4(0201)	0欧姆

3、 VSWR Testing

3.1 Testing connection

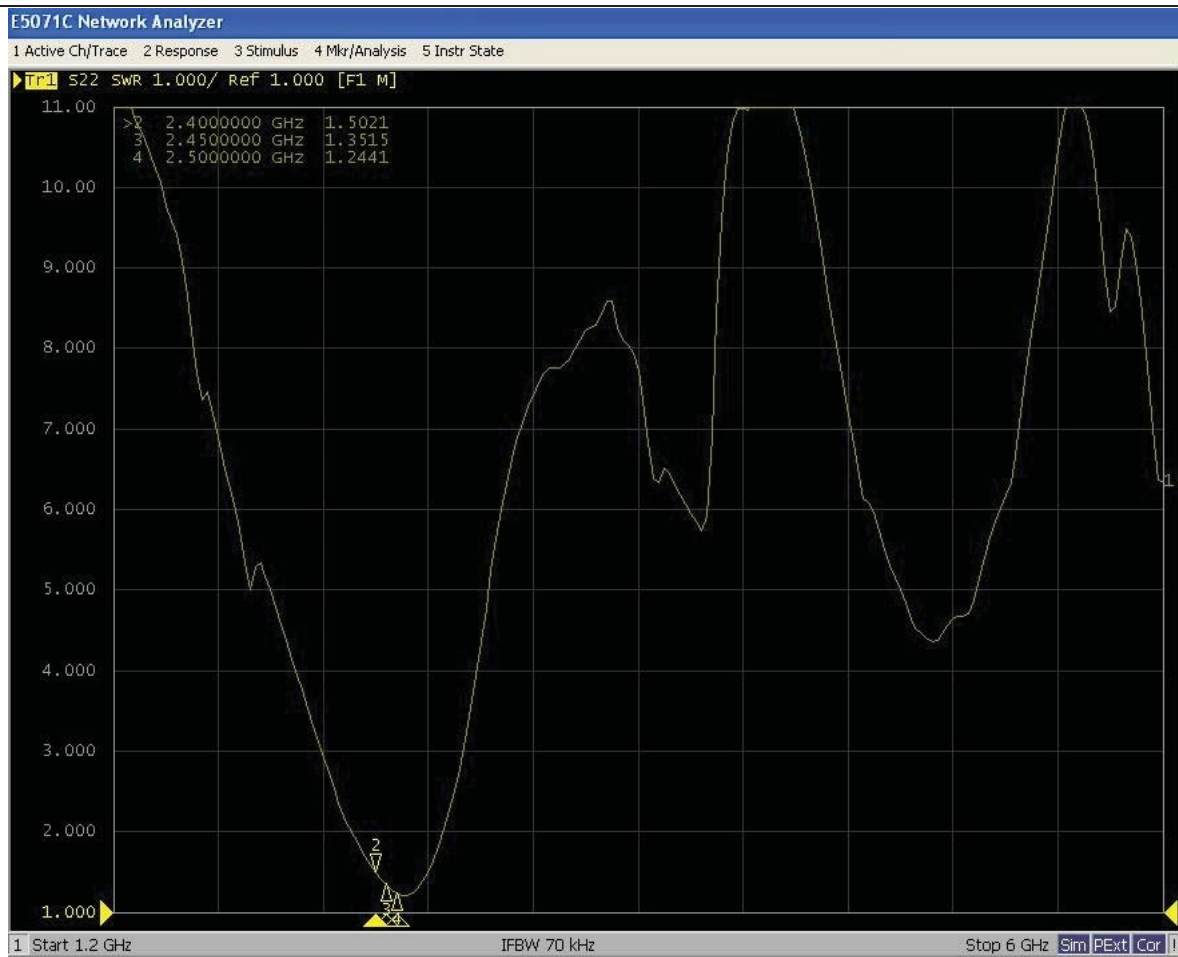
The VSWR testing devices are connected in sequence: Agilent5071C Network Analyzer → Testing Cable → Customer-providing Devices.

3.2 VSWR

The following table expresses the VSWR value of antenna's two edges of its frequency range. With regard to the relevant diagram of VSWR

SR1 VSWR			
Frequency (MHz)	2400	2450	2500
VSWR	1.50	1.35	1.24

3.3 Testing data



SR1 antenna VSWR

4、Test the efficiency of the antenna Testing

4.1 Testing field

LR Microwave Anechoic Chamber : testing frequency ranges from 400MHz to 6GHz and the 40cm diameter spherical quiet zone, the chamber provides less than -90dB reflectivity from 400MHz—6GHz.

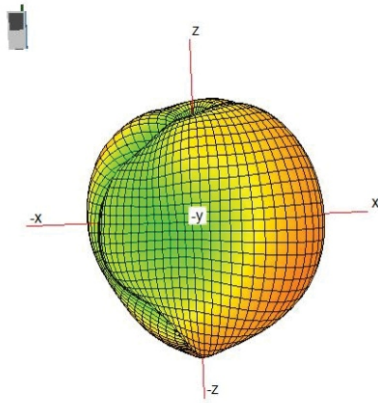
4.2 Testing results

The following table indicates the testing results related to Power and Sensitivity in Microwave Anechoic Chamber, concerning the relative diagram.

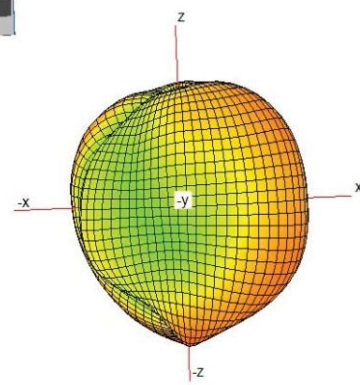
以下 SR1 天线无源测试数据:

Freq (MHz)	Gain	Efficiency (%)	Freq (MHz)	Gain	Efficiency (%)
2300	-1.64	31.93	2460	0.03	47.60
2310	-1.44	33.90	2470	0.16	47.90
2320	-1.34	34.72	2480	0.32	49.01
2330	-1.16	36.88	2490	0.23	48.41
2340	-0.92	38.24	2500	0.36	47.09
2350	-0.55	41.39	2510	0.20	46.59
2360	-0.47	43.94	2520	0.19	44.95
2370	-0.01	46.04	2530	-0.02	43.21
2380	0.01	47.23	2540	-0.18	41.46
2390	0.38	48.65	2550	-0.33	40.52
2400	0.19	48.87	2560	-0.67	38.47
2410	0.18	48.49	2570	-0.79	37.20

2420	0.13	48.07	2580	-0.69	36.40
2430	0.34	48.69	2590	-0.76	34.90
2440	0.11	48.93	2600	-0.81	33.40
2450	0.10	48.20			



2400MHz



2500MHz

SR1 Active data:

WIFI	TRP		TIS
11b-11M	1	16.98	-84.96
	6	16.73	-84.23
	11	15.60	-84.30
	13	15.12	-83.89

5、Environmental treatment

Original machine environment status

6、Main Parameters

Antenna Type	FPC Antenna
Size	23*9.5MM
Max Gain	0.36dbi