

样品承认书

Confirmation of products

客户名称 Customer	SHENZHEN LINRONG TECHNOLOGY CO.,LTD				
项目名称 Project Name	E208	版本 Version	A. 1	日期 Date	2026-01-20
项目料号 Project NO.	07. 09. 01. 007	客户料号 Customer NO.			
频段 Frequency Range	2400~2500MHz	备注 Notes	FPC ANT		
设计 Designed By					
审核 Approved By					
客户确认 Clients' Approval					

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1.Specification

This report mainly provides the testing conditions of various electric and structural performance parameters for cell phone antenna ----E208 Picture 1 shows the antenna designed by LR.



2. VSWR Testing

2.1 Testing connection

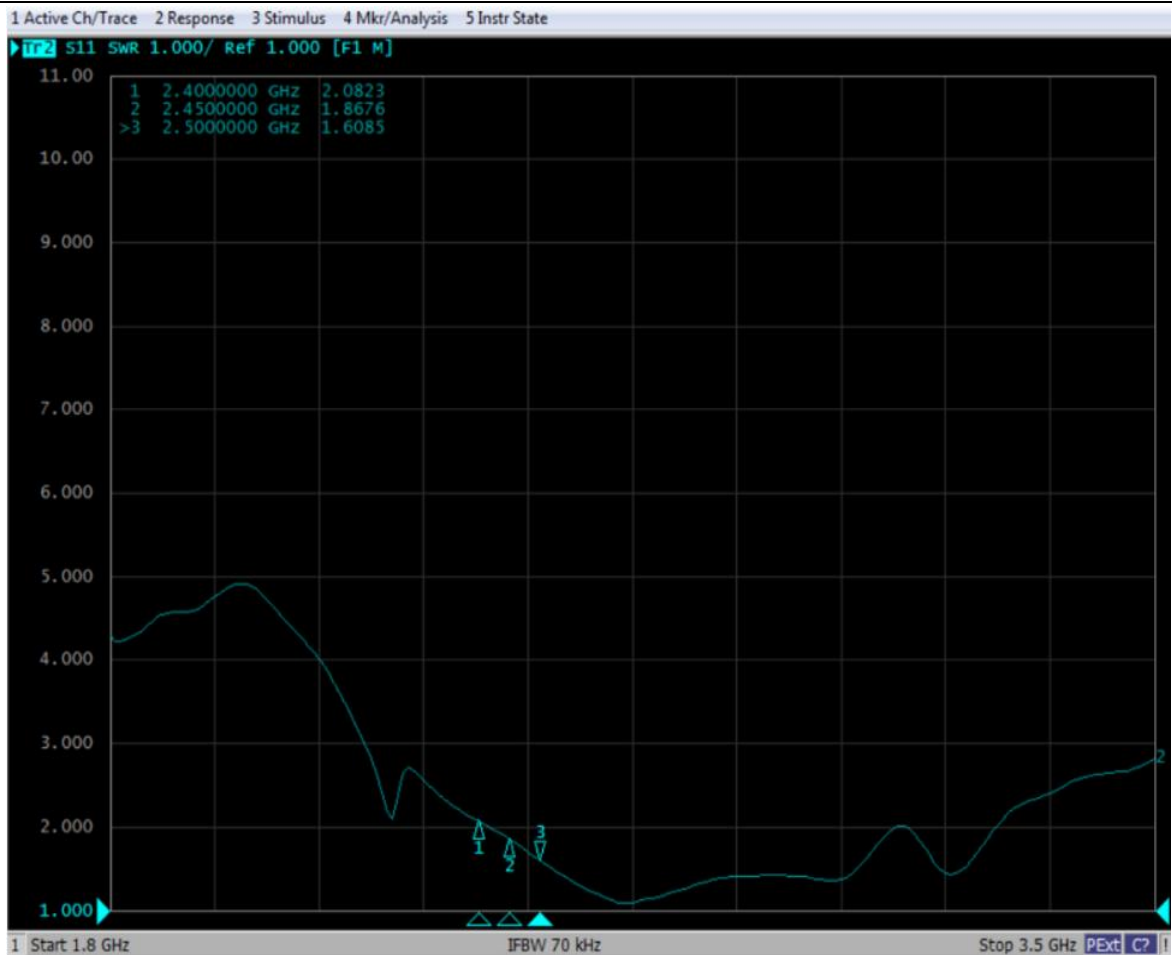
The **Return Loss** testing devices are connected in sequence: Agilent5071C Network Analyzer →Testing Cable → Customer-providing Devices.

2.2 VSWR

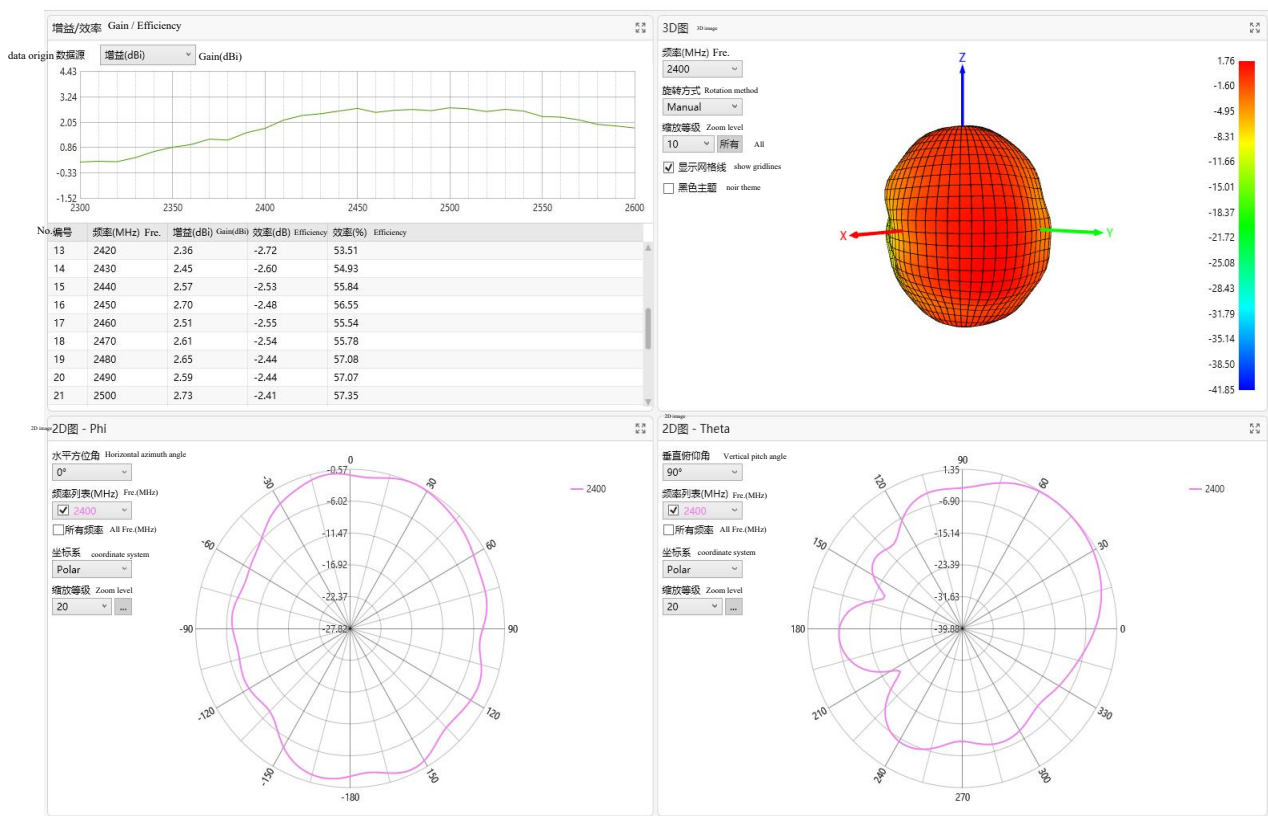
The following table expresses the VSWR value of antenna's two edges of its frequency range. With regard to the relevant diagram of VSWR

E208 VSWR			
Frequency (MHz)	2400	2450	2500
VSWR	2.08	1.86	1.60

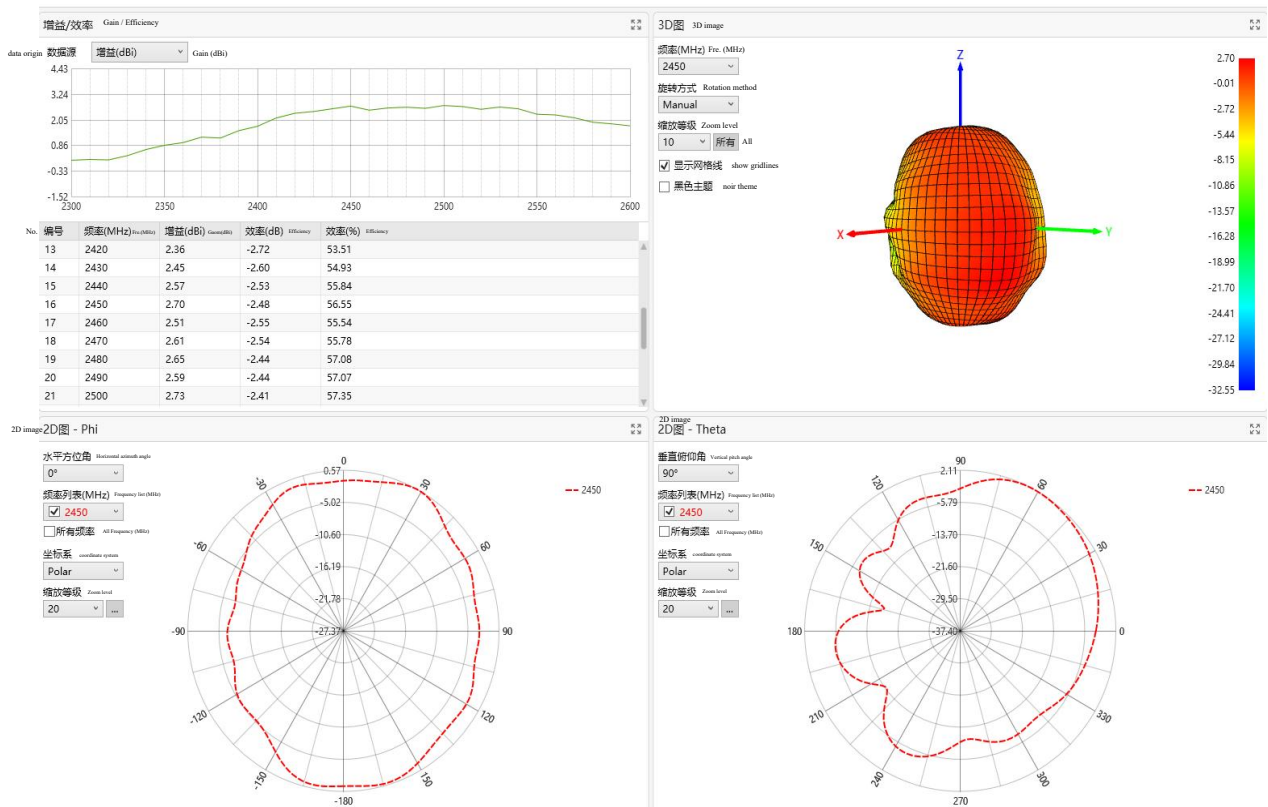
2.3 Testing data



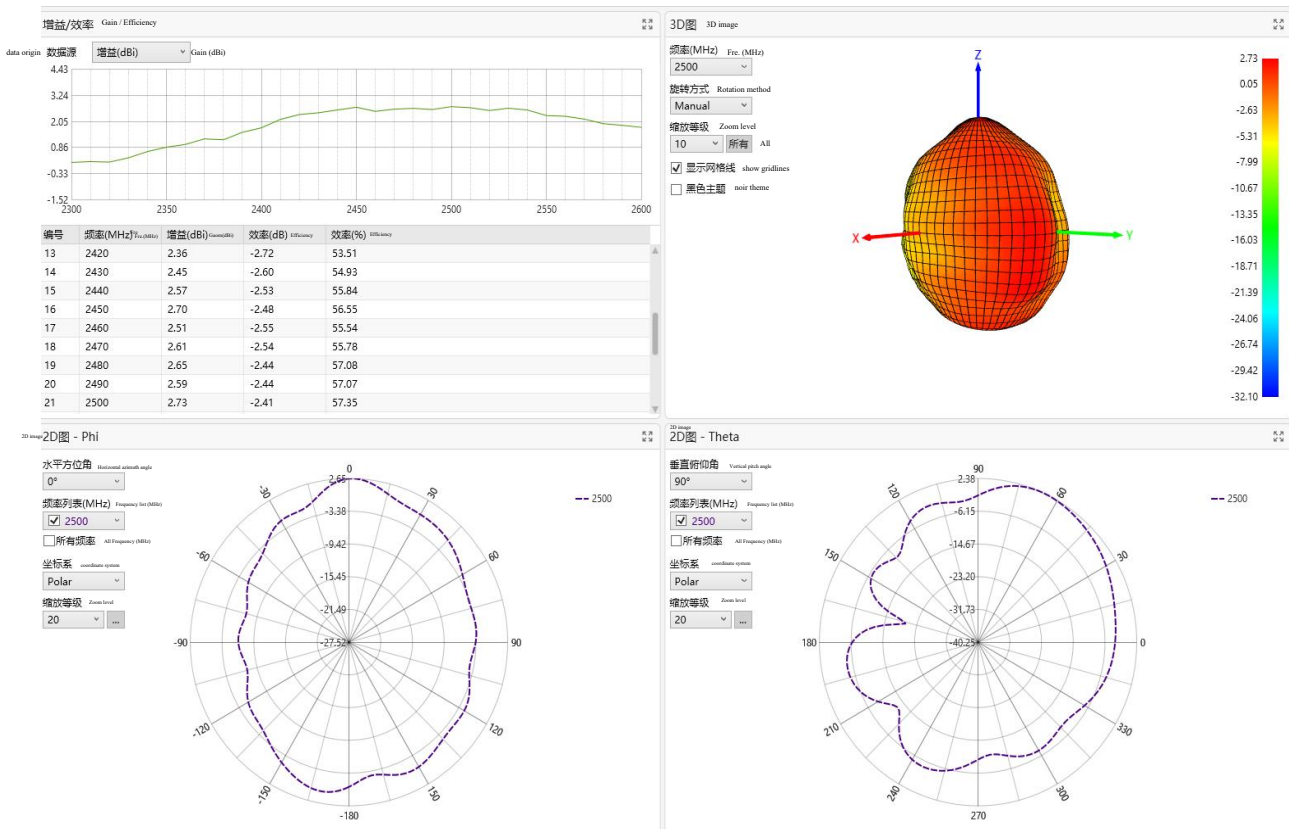
2.4G BT antenna VSWR



2400MHz



2450MHz



2500MHz

3.Power、 Sensitivity Testing

3.1 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.

3.2 Testing results

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

3.3 Active testing.

E208 Antenna efficiency

Freq(MHz)	Gain(dBi)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficiency(%)
2300	-0.04	25.27	2460	2.33	54.50
2310	0.39	26.59	2470	2.44	54.90
2320	0.69	28.04	2480	2.58	55.87
2330	0.98	30.08	2490	2.67	56.45
2340	1.16	31.86	2500	2.75	57.13
2350	1.30	33.68	2510	2.68	57.70
2360	1.45	36.14	2520	2.60	57.86
2370	1.61	38.18	2530	2.60	58.77
2380	1.76	40.96	2540	2.62	59.63
2390	2.15	44.94	2550	2.54	60.23
2400	2.28	46.99	2560	2.48	61.79
2410	2.26	47.70	2570	2.48	62.87
2420	2.39	50.08	2580	2.33	63.12
2430	2.38	51.83	2590	2.30	64.66
2440	2.36	53.23	2600	2.43	66.15
2450	2.32	54.46			

4.Environmental treatment

Original machine environment

5. Mechanical Dimension Drawing

