

**SPECIFICATIONS FOR APPROVAL**

Antenna manufacturer: Shenzhen Lejin radio frequency technology Co., LTD

Company Address: 3rd Floor, Building A4, No. 176 Chongqing Road, Fuhai Street, Bao'an District, Shenzhen, Guangdong Province. (Phone number: 13603098741)

Customer Name:**Product Name:** LTE ANT**Product Model:** LJFD1014A**Part Number:****Write By :** Star Li**Issued Date:** 2025/9/9**CUSTOMER**

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY	DATE	Edition/Part number

LEETN

R&D DEPT	ENGINEER R&D DEPT	APPROVAL	DATE	Edition/Part number
		李明进		数字签名者: 李明进 DN: cn=李明进, o=乐进射频, ou=研发, email=13603098741@163.com, c=CN 日期: 2025.10.28 16:19:09 +08'00'

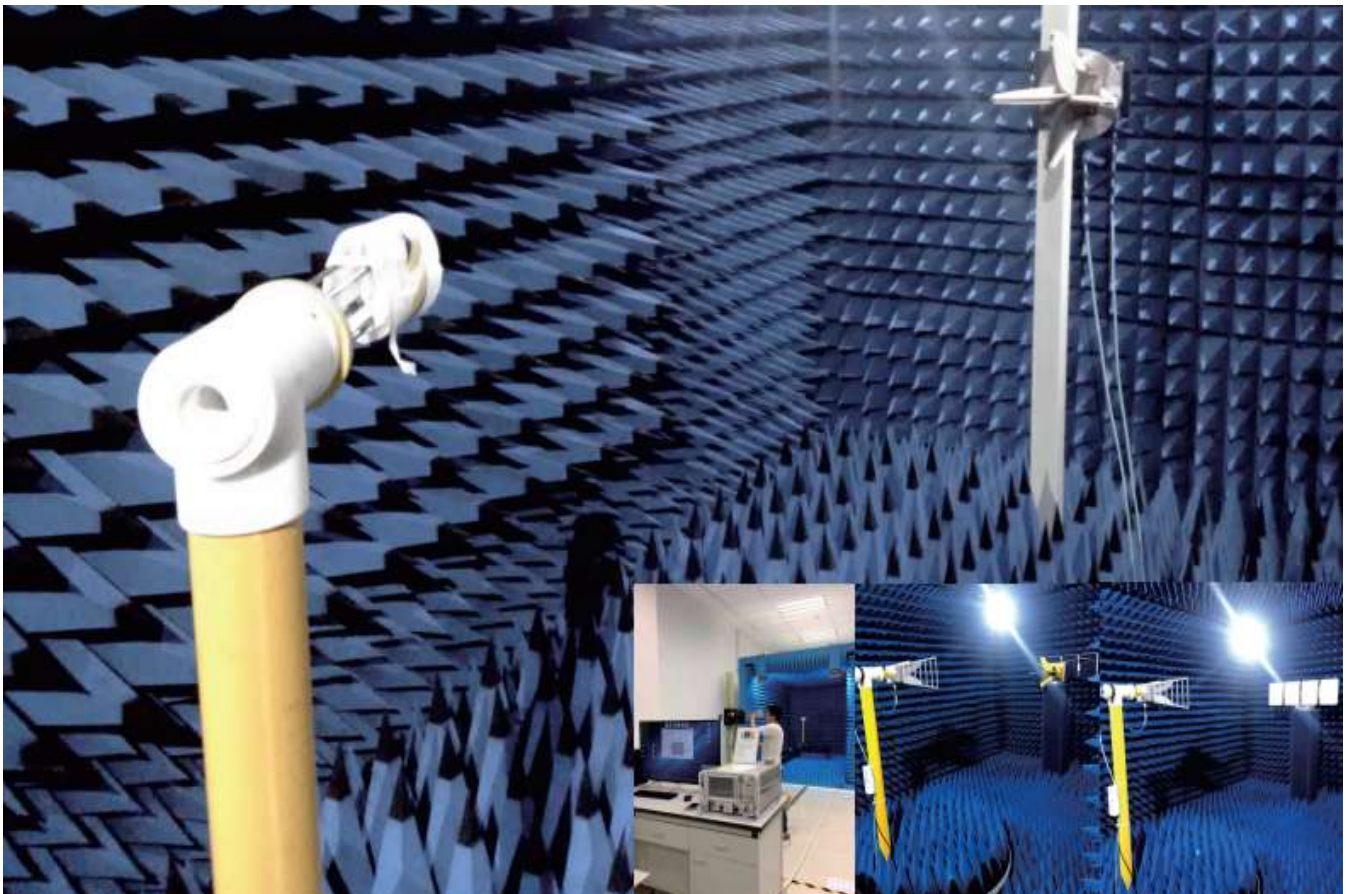
ECN/ECR			

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Test Equipment & Conditions

1. Network Analyzers :Agilent 8753SE 5071C
2. Communications Test Set:Agilent E5515C/CMW500
3. 3D Chamber Test System(ETS743)/Satimo(433)



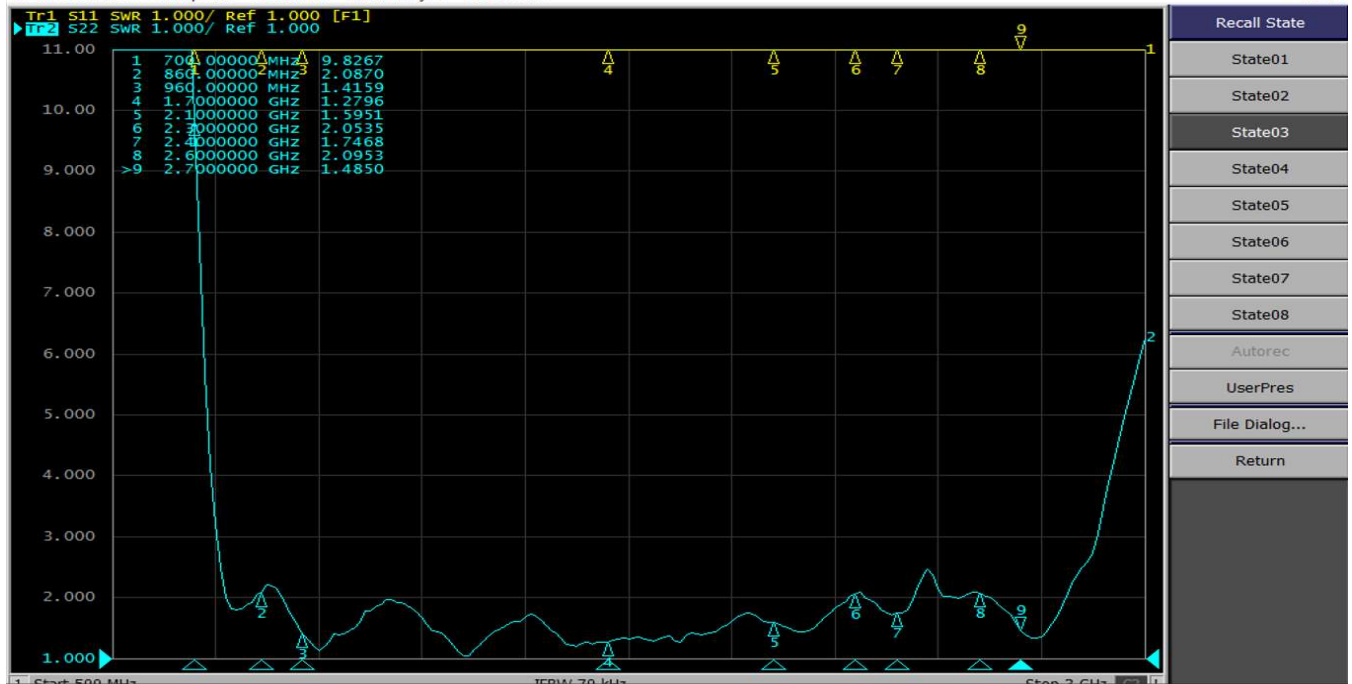
LTE ANT

Ant. Type	Frequency (MHz)	VSW R	Efficiency	Impedance (Ohm)	Polarization	Gain (Peak gain with cable loss)(dBi)	Cable Loss(dB)
PIFA	650 ~960	<2.5	>25%	50	Linear	2.3(MAX)	0.85(MAX)
	1710 ~2170	<2.0	>40%				
	2300 ~2700	<2.0	>40%				
Cable Type		Cable Length (mm)	Connector Type		Operation Temperature		Storage Temperature
1.13-65			Cocentra 113-1		- 20 °C ~ + 70 °C		- 30 °C ~ + 80 °C

Antenna Impedance: VSWR

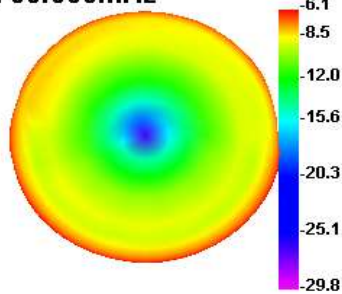
E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

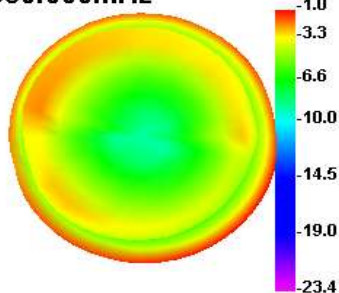


Freq(MHz)	650	730	830	960	1710	1930	2170	2300	2500	2700
Effi(%)	28.22	31.22	35.64	35.47	38.89	41.25	42.11	41.41	45.65	49.56
Gain((dBi)	-2.64	-2.77	-1.36	1.12	-0.11	-0.51	-0.12	1.89	0.95	2.33

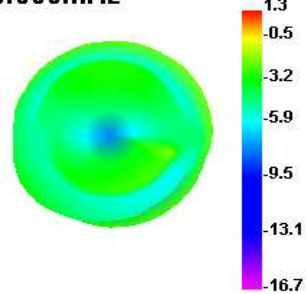
700.000MHz



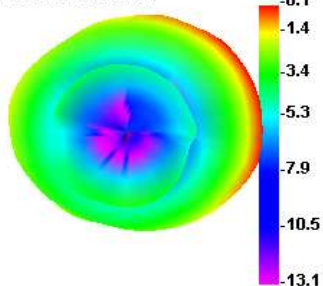
830.000MHz



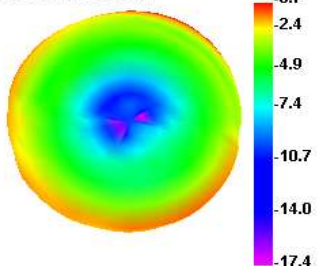
960.000MHz



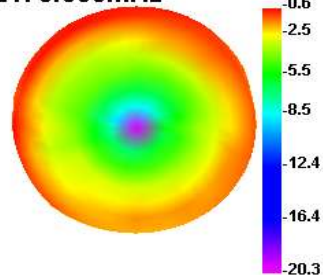
1710.000MHz



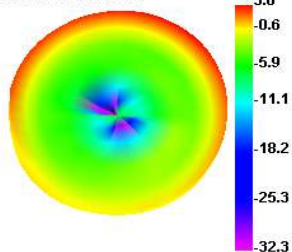
1930.000MHz



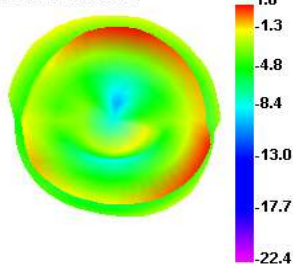
2170.000MHz



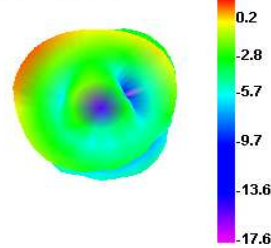
2300.000MHz



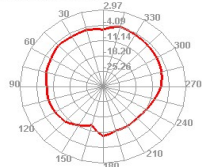
2500.000MHz



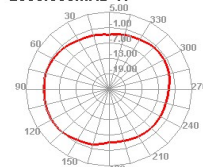
2700.000MHz



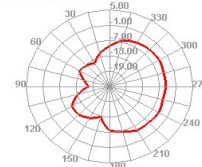
2300.000MHz H



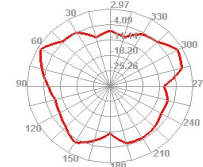
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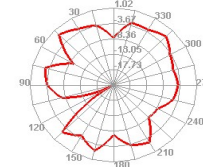
2700.000MHz H



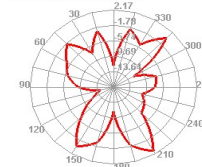
2300.000MHz E1



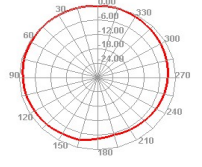
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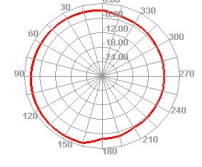
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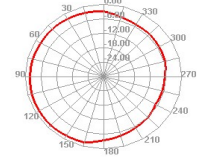
1710.000MHz H



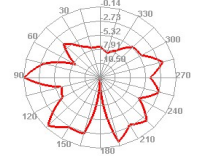
1930.000MHz H



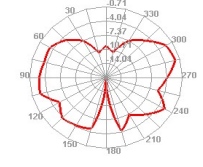
2170.000MHz H



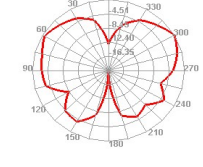
1710.000MHz E1



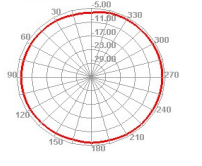
1930.000MHz E1



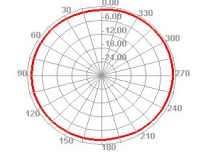
2170.000MHz E1



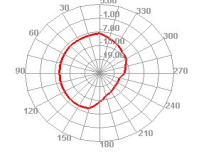
700.000MHz H



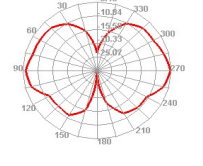
830.000MHz H



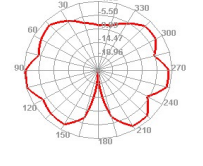
960.000MHz H



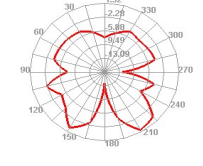
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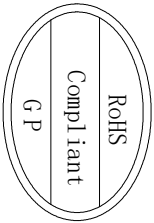
830.000MHz E1



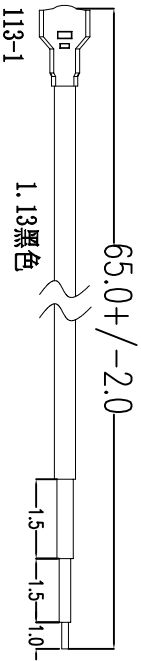
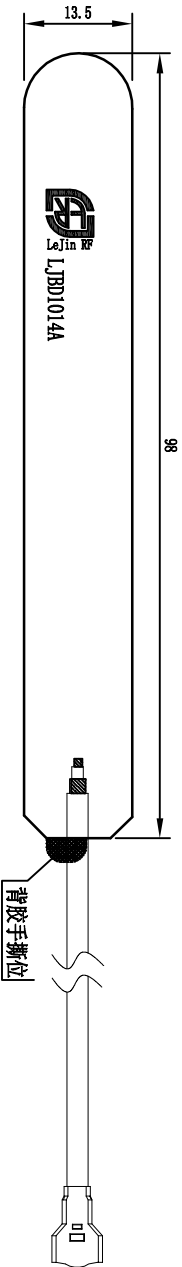
960.000MHz E1



A



C7



深圳乐进射频科技有限公司
SHEN ZHEN LEJIN RADIO FREQUENCY CO., LTD



Third Angle

Project

海科视频

Date

2025-09-02

0~10 ±0.05 ○ 0.02

Part Name

C7 4G ANT

Designed by

10~18 ±0.10 ◎ Ø0.03

Part No.

Checked by

MD

18~30 ±0.12 ⊥ 0.02

Material

RF

30~40 ±0.15 ▤ 0.04

Treatment

LJB01-19011701-80A

Approved by

40~ ±0.20 Angle ±0.5°

Unit

mm

Location

Scale

1:1

1

2

3

Date Remark

1

6

7

8

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