

**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:** KHADAS**Part Number:** LJFD02-20091903-R0A**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=<无 日期: 2025.10.28 16:24:35 +08'00'

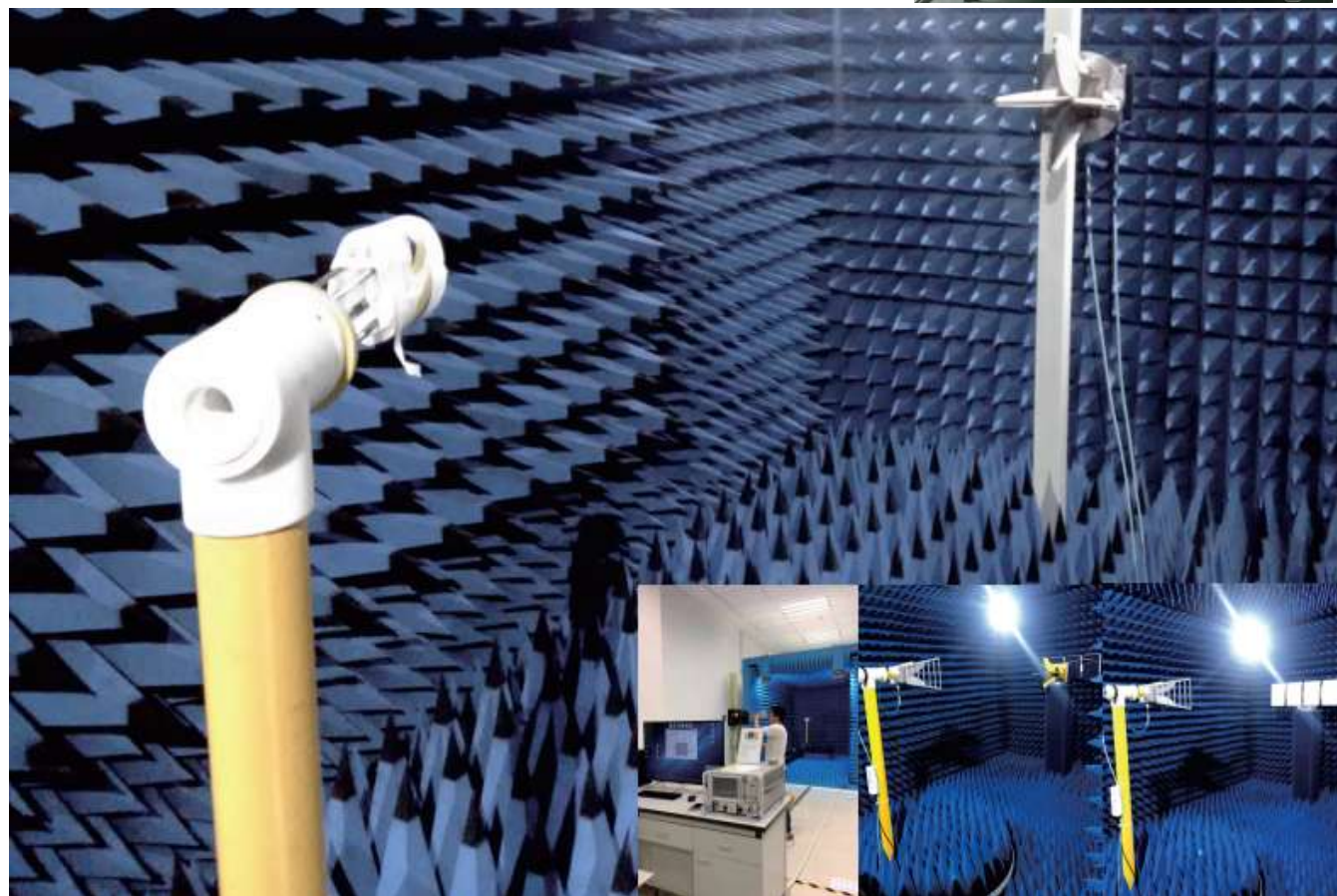
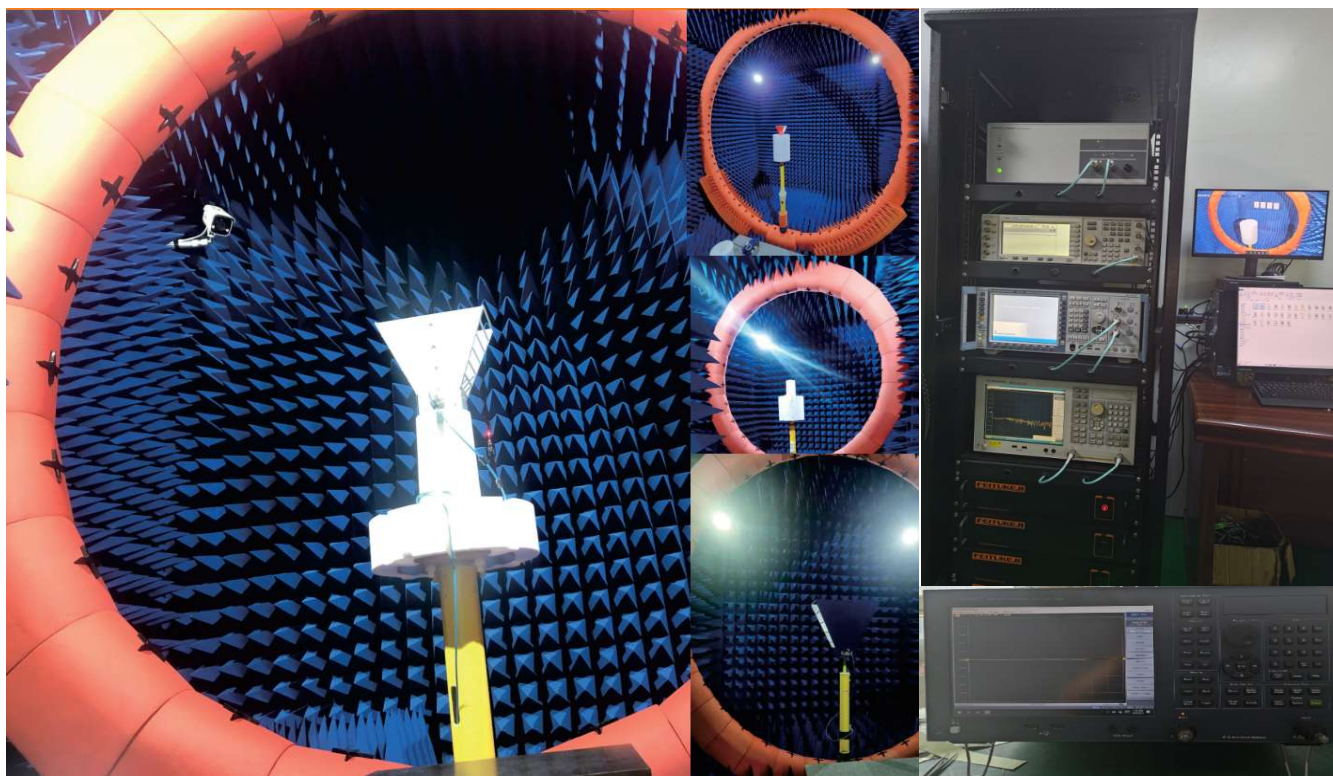
ECN/ECR			

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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)



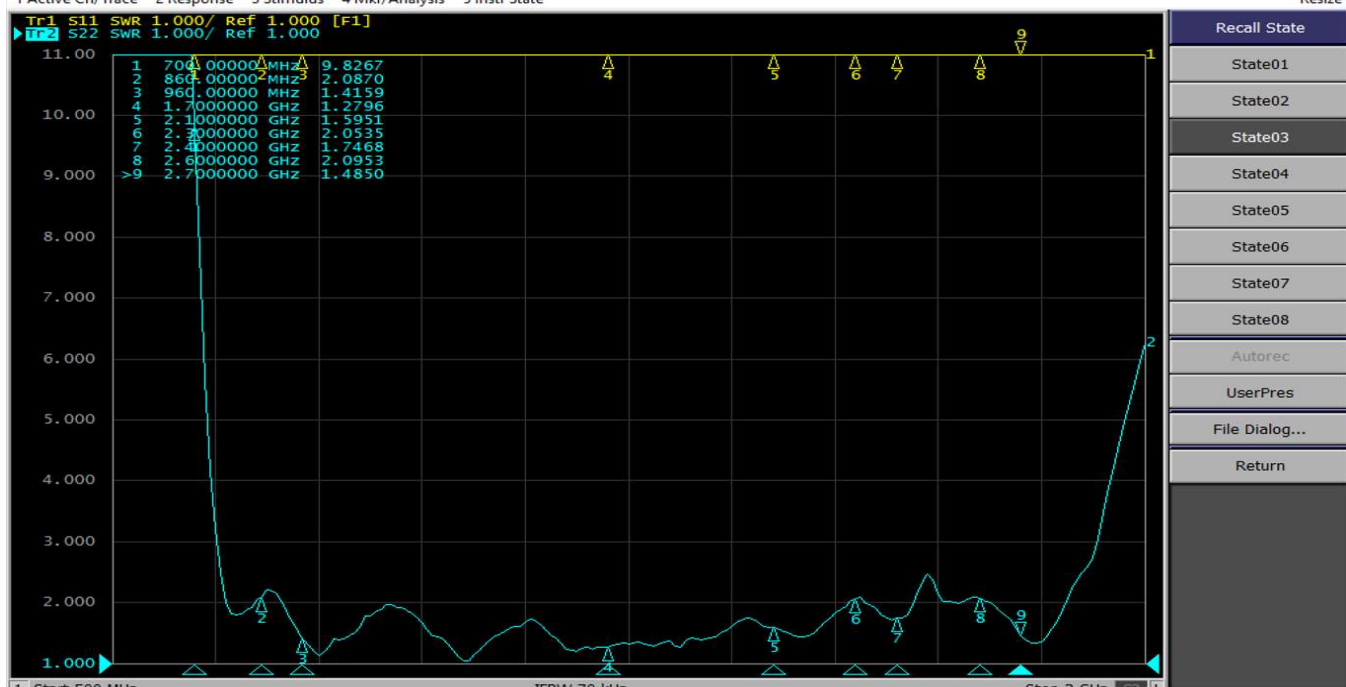
LTE ANT

Ant. Type	Frequency (MHz)	VSW R	Efficiency	Impedance (Ohm)	Polarization	Gain (Peak gain with cable loss)(dBi)	Cable Loss(dB)
PIFA	650 ~960	<2.0	>15%	50	Linear	2.3(MAX)	0.85(MAX)
	1710 ~2170	<2.0	>30%				
	2300 ~2700	<2.0	>35%				
Cable Type		Cable Length (mm)	Connector Type		Operation Temperature		Storage Temperature
1.13-60			Cocentra 113-1		- 20 °C ~ + 70 °C		- 30 °C ~ + 80 °C

Antenna Impedance: VSWR

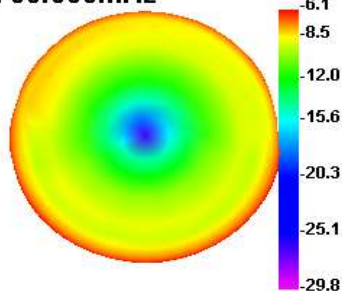
E5071C Network Analyzer

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

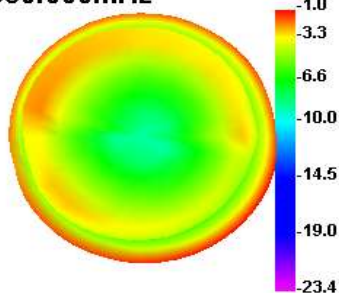


Freq(MHz)	650	730	830	960	1710	1930	2170	2300	2500	2700	
Effi(%)	15.77	22.77	25.65	30.15	35.78	40.12	41.11	42.33	44.11	43.33	
Gain((dBi)	-1.11	-0.11	0.12	1.11	1.35	0.57	1.07	1.95	1.14	1.97	

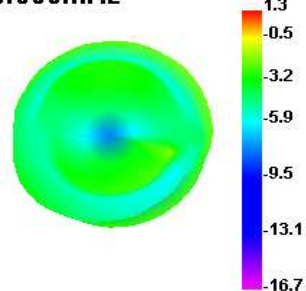
700.000MHz



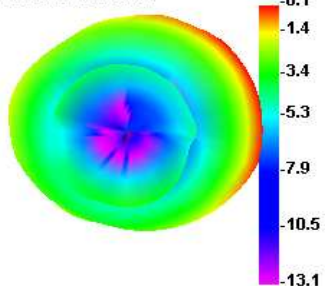
830.000MHz



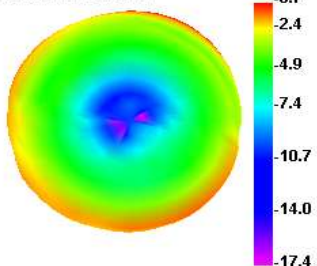
960.000MHz



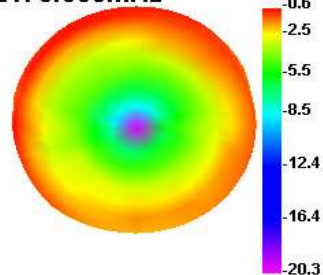
1710.000MHz



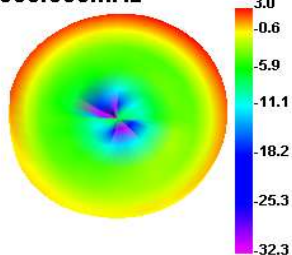
1930.000MHz



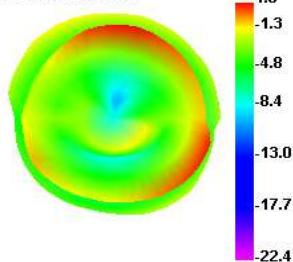
2170.000MHz



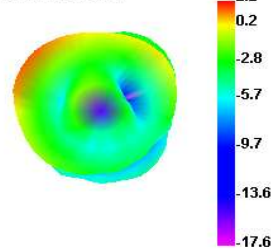
2300.000MHz



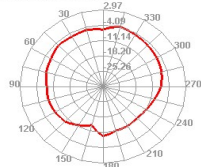
2500.000MHz



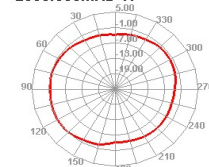
2700.000MHz



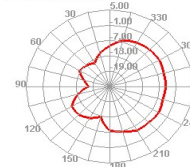
2300.000MHz H



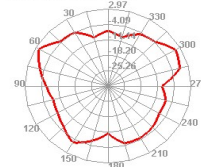
2500.000MHz H



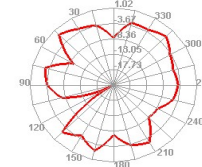
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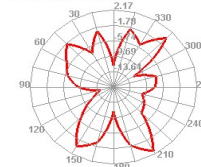
2300.000MHz E1



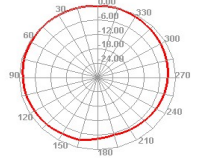
2500.000MHz E1



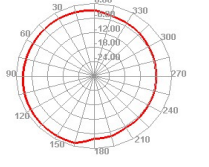
2700.000MHz E1



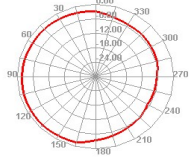
1710.000MHz H



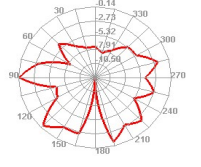
1930.000MHz H



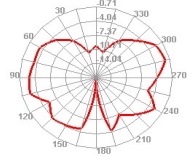
2170.000MHz H



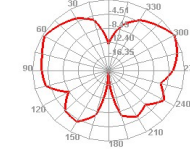
1710.000MHz E1



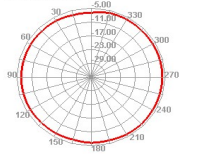
1930.000MHz E1



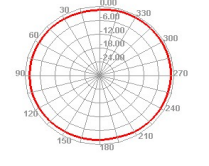
2170.000MHz E1



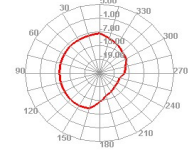
700.000MHz H



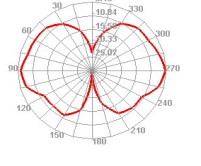
830.000MHz H



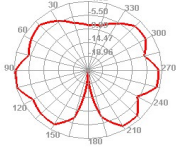
960.000MHz H



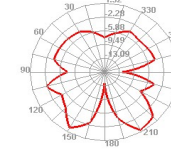
700.000MHz E1

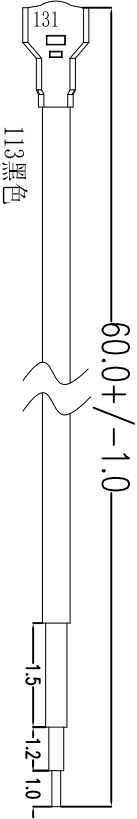
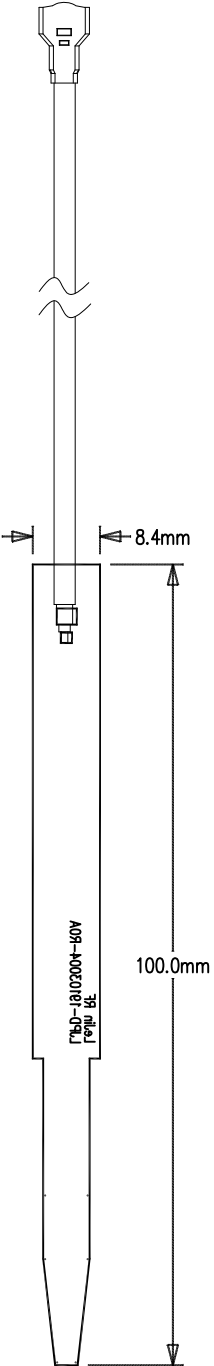


830.000MHz E1



960.000MHz E1





113黑巴										深圳乐进射频科技有限公司 SHEN ZHEN LEJIN RADIO FREQUENCY CO., LTD													
						Third Angle		Project		ZPX_QJ		Date		2020-09-19									
		0~10		±0.05		○		0.02		Part Name		4G_MAIN											
		10~18		±0.10		◎		Ø0.03		Part No.													
		18~30		±0.12		⊥		0.02		Material													
A		30~40		±0.15				0.04															
		40~		±0.20		Angle		±0.5°		Treatment		LJF02-20091903-ROA											
Rev		Description		Date		Remark		Location		Approved by		Unit		mm		Scale		FIT		Rev		A	
1		2		3		4		5		6		7		8		9		10		11		12	