



SPECIFICATIONS FOR APPROVAL

Customer Name:	ZW
Product Name:	LJF01-230707001-R0A
Product Model:	M3
Part Number:	
Write By :	李明进
Issued Date:	2023/7/12

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

LEJIN				
R&D DEPT	ENGINEER R&D DEPT	APPROVAL	DATE	Edition/Part number

ECN/ECR			



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Electrical Characteristics

Frequency	VSWR	Efficiency	Impedance	Polarization	Gain
2400 MHz ~2500 MHz	<1.5	>20%	50 Ohm	Linear	$\geq 1\text{DBI}$

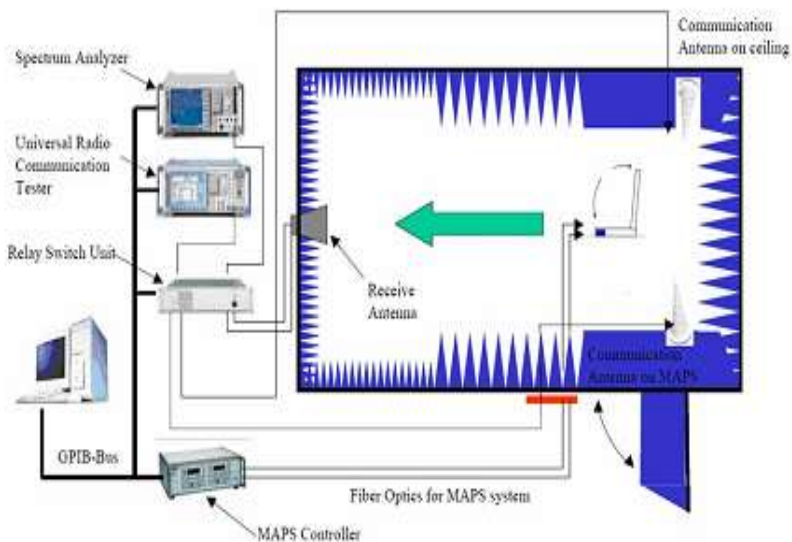
Material & Mechanical Characteristics

Environmental

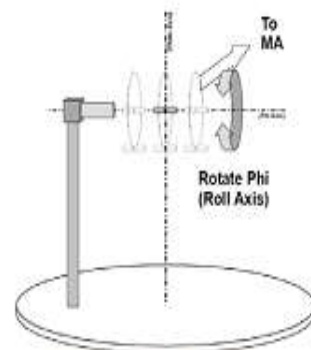
Material of Radiator	Cable Type	Connector Type	Dimension	Operation Temperature	Storage Temperature
BL	NA	KCC421		- 20 °C ~ + 50 °C	- 30 °C ~ + 80 °C

Test Equipment & Conditions

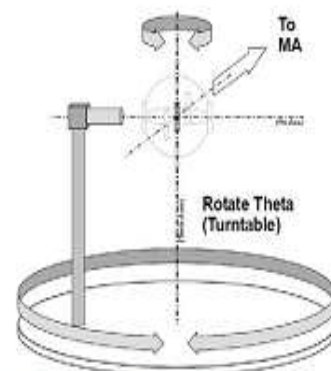
1. Network Analyzers :Agilent 5071C
2. Communications Test Set:Agilent E5515C/CMW500/AT8826
3. 3D Chamber Test System(ETS743)



(Testing by 3D anechoic chamber)



Phi axis test

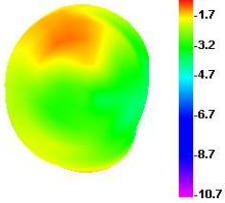


Theta axis test

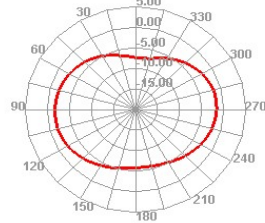
Antenna Impedance:

2.4/2.5G	Freq (MHz)	2400	2410	2420	2430	2400	2450	2460	2470	2480	2490	2500
	Effi (%)	30.35	35.5	37.51	34.22	35.37	32.45	36.58	33.11	30.59	29.78	28.56
	Gain (dBi)	-0.74	-0.8	-0.5	-0.83	-0.41	-1.01	-0.85	-1.56	-1.66	-1.72	-2.33

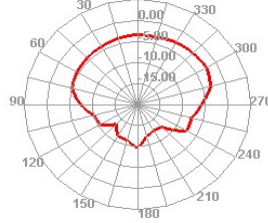
2400.000MHz



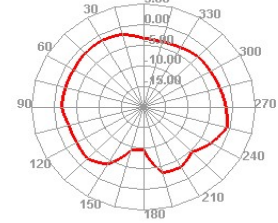
2400.000MHz H



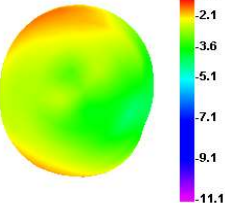
2400.000MHz E1



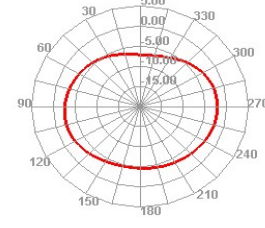
2400.000MHz E2



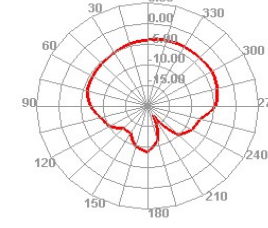
2450.000MHz



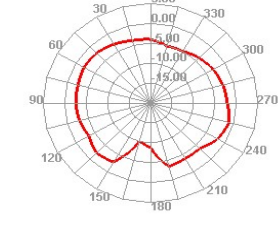
2450.000MHz H



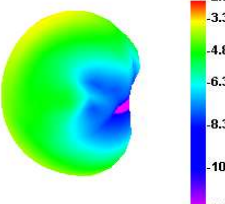
2450.000MHz E1



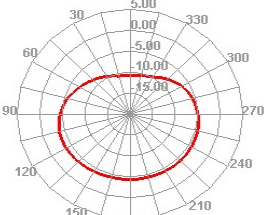
2450.000MHz E2



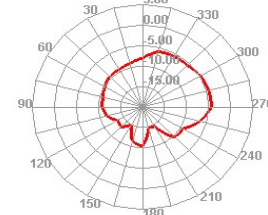
2500.000MHz



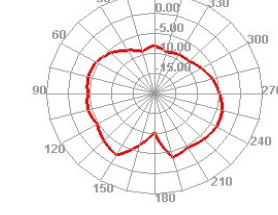
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



天线安装方式:



天线工程图:

		1		2		3		4		5		6		7		8	
A		Rohs Compliant G P														A	
B		6.75 <															