



Shenzhen Lejin radio frequency technology Co., LTD

SPECIFICATIONS FOR APPROVAL

Customer Name: ZW

Product Name: M2

Product Model:

Part Number: LJF01-221110001-R0A

Write By : Star Li

Issued Date: 2022/11/10

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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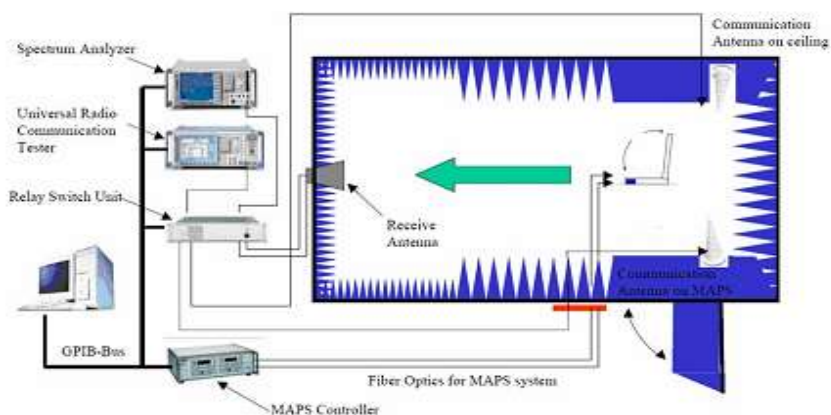


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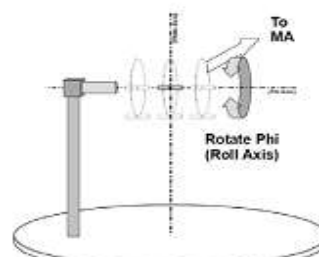
Material & Mechanical Characteristics				Environmental	
Material of Radiator	Cable Type	Connector Type	Dimension	Operation Temperature	Storage Temperature
FPC black	NA	NA		- 20 °C ~ + 50 °C	- 30 °C ~ + 80 °C

Test Equipment & Conditions

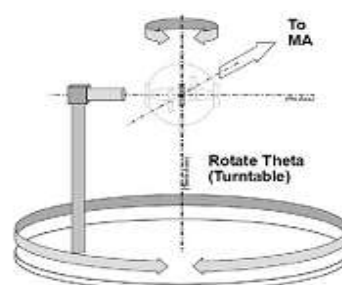
1. Network Analyzers :Agilent 8753SE 5071C
2. Communications Test Set:Agilent E5515C/CMW500
3. 3D Chamber Test System(ETS743)



(Testing by 3D anechoic chamber)



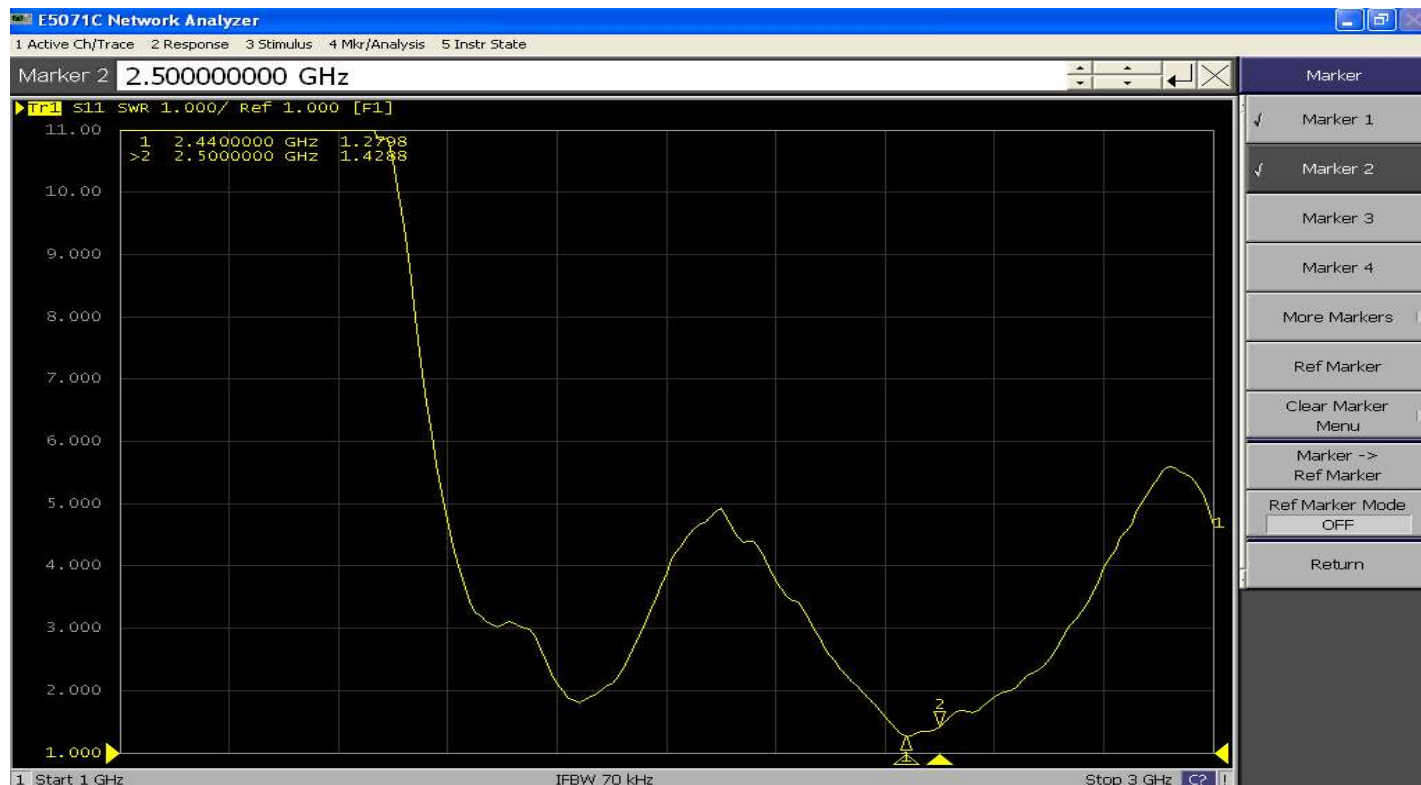
Phi axis test



Theta axis test

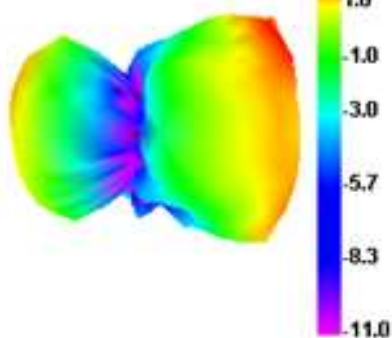


Antenna Impedance: WIFI ANT A:

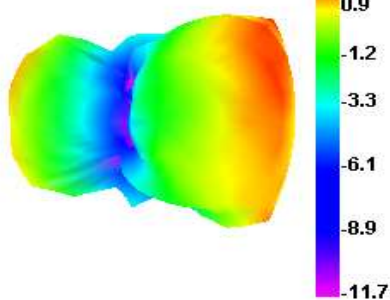


2.4G (Wifi and BT)	Freq	(MHz)	2400	2410	2420	2430	2450	2460	2470	2480	2490	2500	
	Effi	(%)	30.45	33.25	35.15	32.27	33.15	34.41	35.58	36.74	35.12	32.22	
	Gain	(dBi)	2.25	2.35	2.48	3.07	2.35	2.78	2.85	2.04	2.56	2.98	

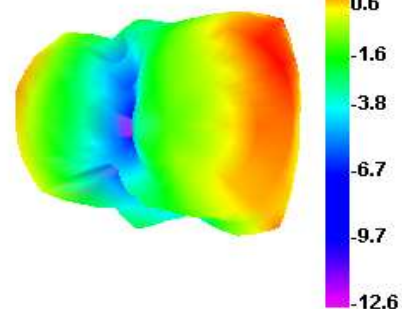
2400.000MHz



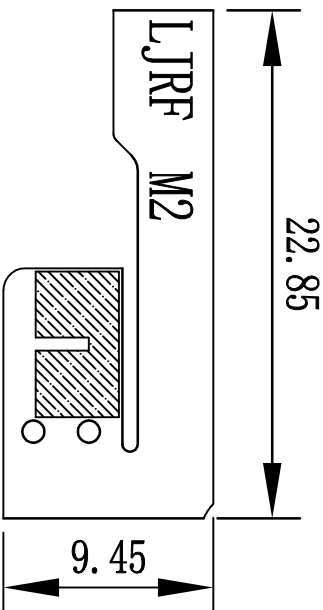
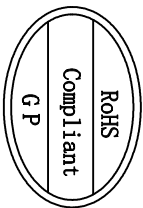
2450.000MHz



2480.000MHz



Product Drawing:



- 要求:
- 1.“*”为重点尺寸.
 - 2.FPC材料:电解铜, 半对半材质(蔡伦格帝).
 - 3.反面背胶(3M300LSE).
 - 4.未标公差尺寸请依图纸, 模具冲出尺寸公差为 ± 0.1 , 铜箔线条尺寸公差为 ± 0.05 , 标重点的孔公差为 ± 0.05 .
 - 5.各零件中Pb、Hg、Cr+6、PBBs、PBDEs各项小于1000PPM, Cd小于100PPM.



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

Third Angle			Project		Date	
0~10	± 0.05	$\circ$	0.02	Part Name	BT ANT	Designed by
10~18	± 0.10	$\odot$	$\varnothing 0.03$	Part No.		MD
18~30	± 0.12	$\perp$	0.02	Material	LJRF01-221110001-R0A	Checked by
30~40	± 0.15	∇	0.04			RF
40~	± 0.20	Angle	$\pm 0.5^\circ$	Treatment		Approved by
Location					Unit	mm
					Scale	FTT
					Rev	A