

SPECIFICATIONS FOR APPROVAL

Customer Name: _____

Product Name: 2.4GHz Antenna

Product Model: _____

Part Number: _____

Write By : _____

Issued Date: 2021-04-08

CUSTOMER

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVAL

LEJIN

R&D DEPT	ENGINEER DEPT	APPROVAL

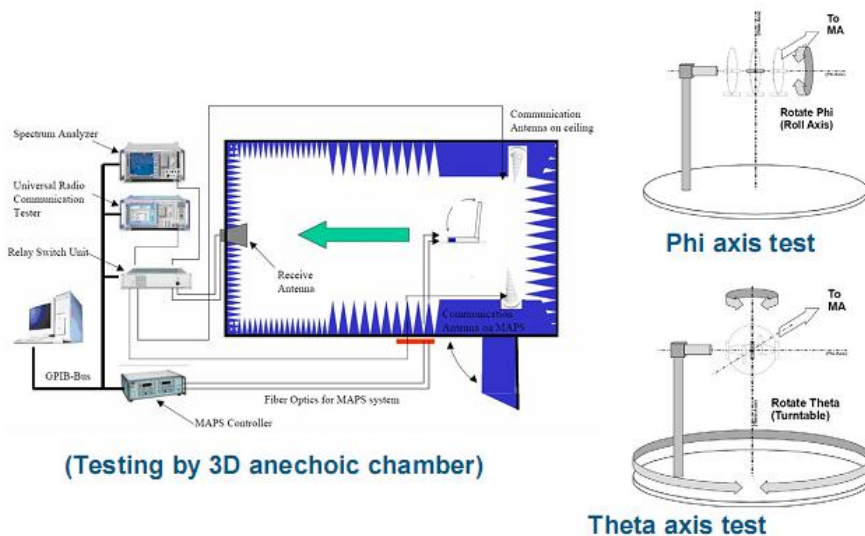
REV	MODIFIED DESCRIPTION	DATE	REMARK
V1.0	Initial Draft Release	2021/04/08	

1.Product Specification

A. Electrical Characteristics	
Frequency	2400MHz ~2500 MHz
VSWR	<2.0
Efficiency	>40%
Impedance	50Ohm
Polarization	Linear
Gain	≥1.0dB
B. Material & Mechanical Characteristics	
Material of Radiator	
Cable Type	N/A
Connector Type	N/A
Dimension	
C. Environmental	
Operation Temperature	- 20 °C ~ + 70 °C
Storage Temperature	- 30 °C ~ + 85 °C
Humidity	40%~95%

2.Test Equipment & Conditions

- | | |
|----------------------------------|---------------------|
| 1.Network Analyzers | Agilent 8753D/5071C |
| 2.HSPA and LTE protocol test set | R&S CMW500 -PT |
| 3.Communications Test Set | Agilent 8960 |
| 4.3D Chamber Test System | |



3.Test Report

3.1 Voltage Standing Wave

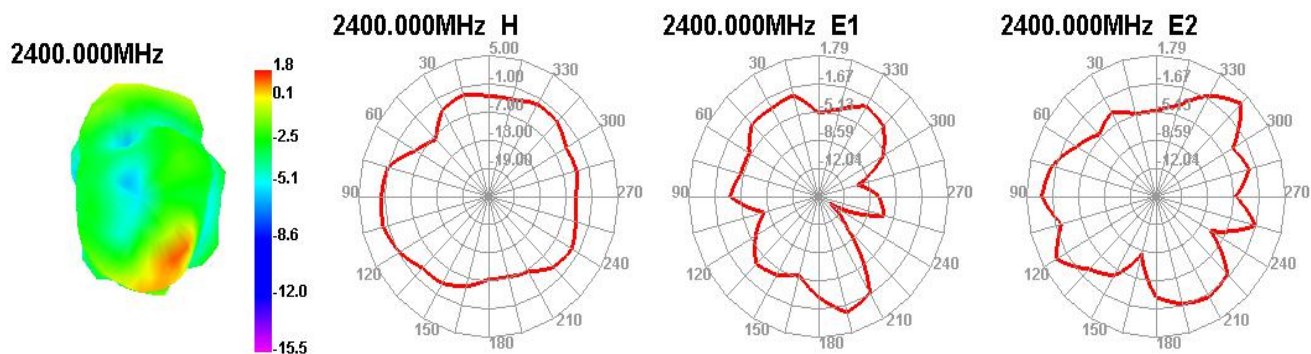


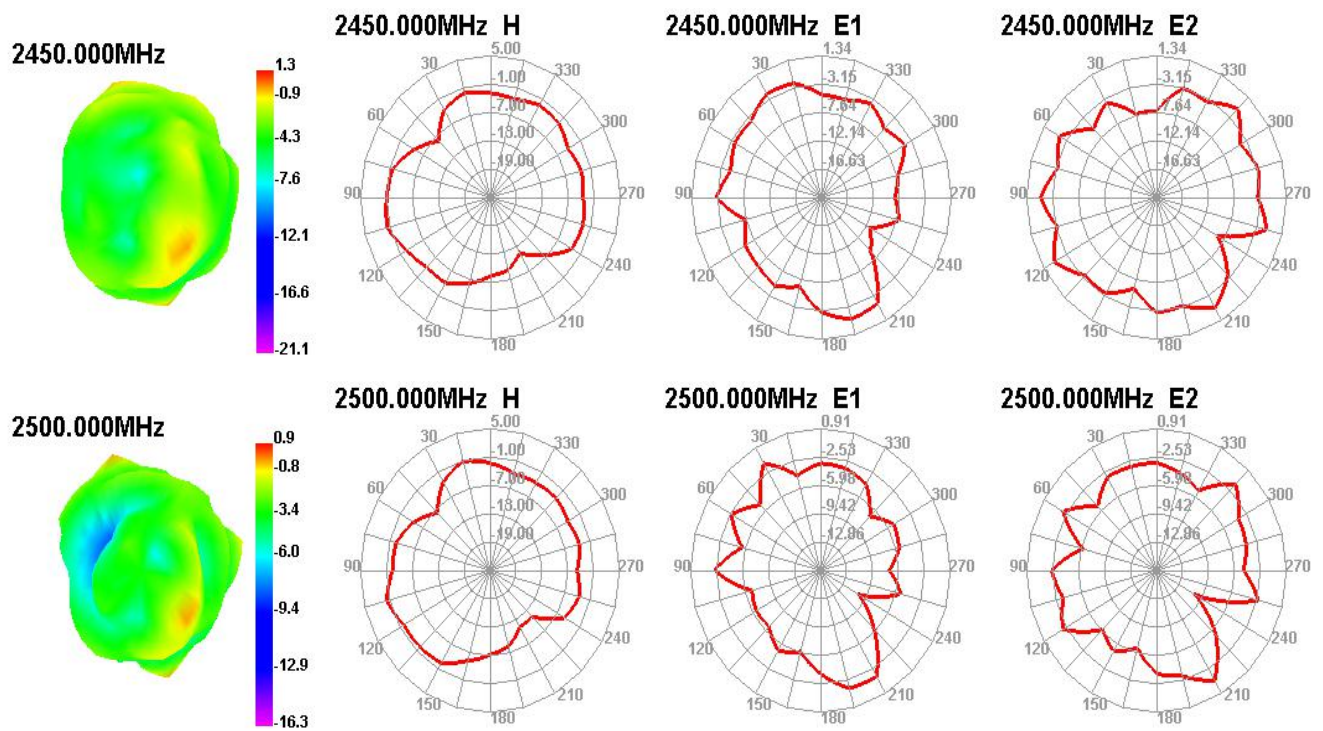
Chart 2 VSWR

3.2 Efficient and gain.

Passive	Freq(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Test For WIFI 2.4G	Effi(%)	42.62	46.84	51.47	55.07	53.54	48.06	51.80	49.38	44.21	42.77	40.64
	Gain(dBi)	0.97	1.04	1.06	1.05	0.94	0.99	1.02	1.19	1.02	0.77	0.36

3.3 Radiation pattern.





4. Antenna pattern

