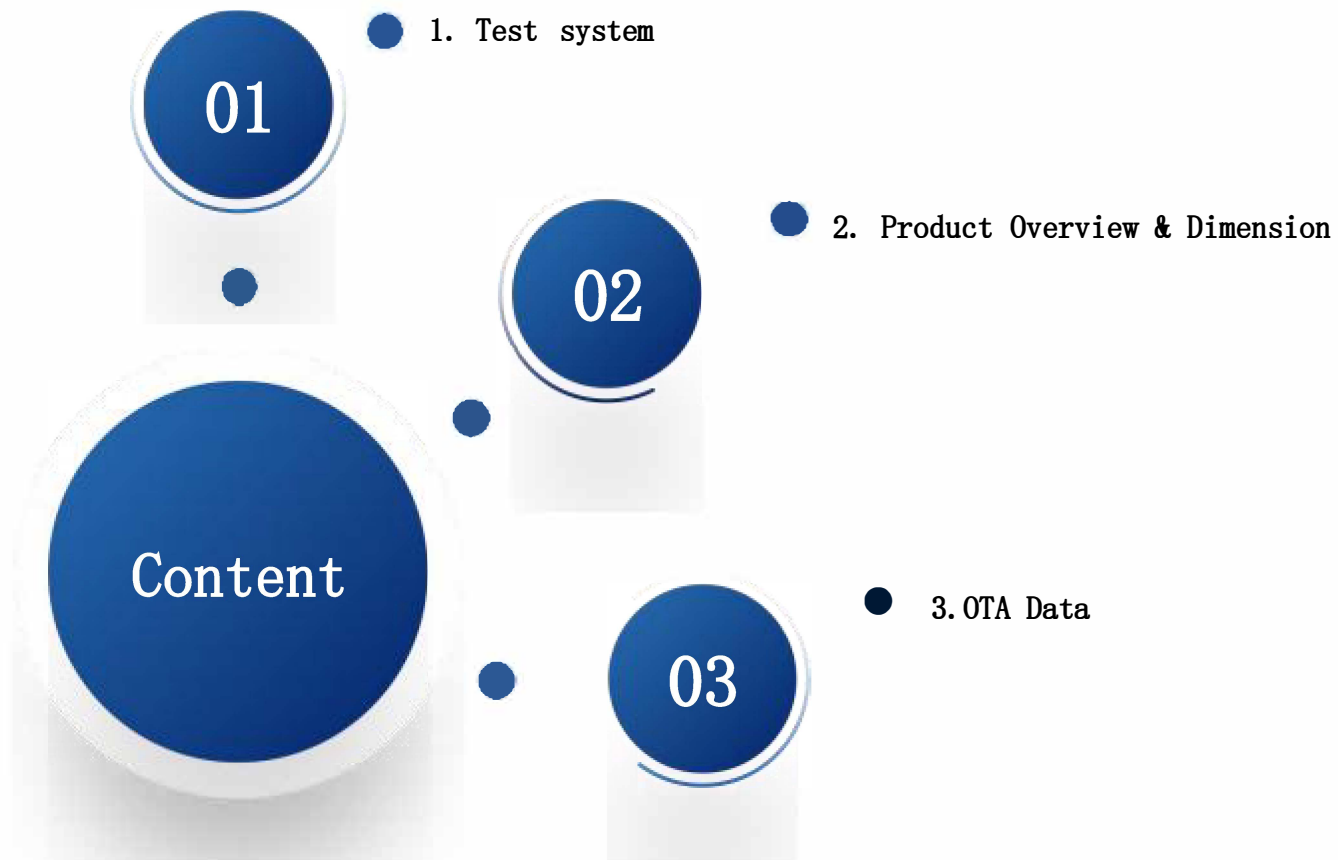




Customer	
Project	CPFN101C
Antenna Revision	A0
Prepared by	18814451402
Checked by	17279710721
Date	2025. 05. 09

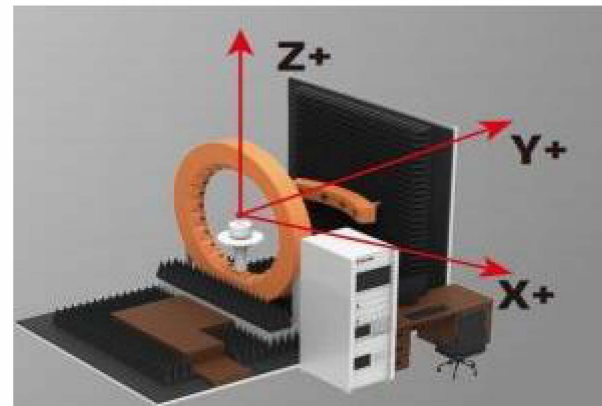
Purpose

This report is to measure the performance of antenna for **CPFN101C** The antenna operating frequency at 2400-2500MHz All test data are showed as below.



1.TestSystem

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5071B
OTA Test	TRP& TIS	Agilent 8960 & CMW500 STIMO
Gain & Efficiency	Gain & Efficiency	SATIMO Agilent 5071C



2. Test Result VSWR&Log Mag&Smith(Ω)



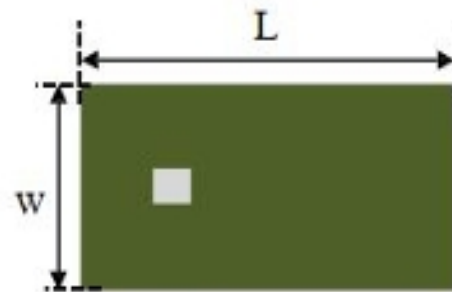
Frequency (MHz)	2400	2440	2480	2500
Log Mag	-4.25	-13.40	-5.65	-3.54
Smith(Ω)	202.90	72.16	64.34	73.91
VSWR	4.16	1.54	3.17	4.96

3. Test Result

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	22.44	-3.83
2410	22.03	-3.57
2420	21.78	-3.22
2430	20.7	-3.72
2440	20.09	-3.92
2450	19.5	-4.34
2460	18.58	-3.99
2470	18.24	-4.36
2480	17.99	-4.17

Applications

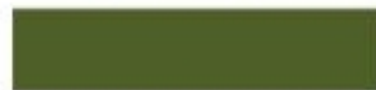
1. Bluetooth
2. Wireless LAN
3. ISM band 2.4GHz wireless applications



(Top View)



(Bottom View)



(Side View)

Number	Terminal Name
①	INPUT
②	NC



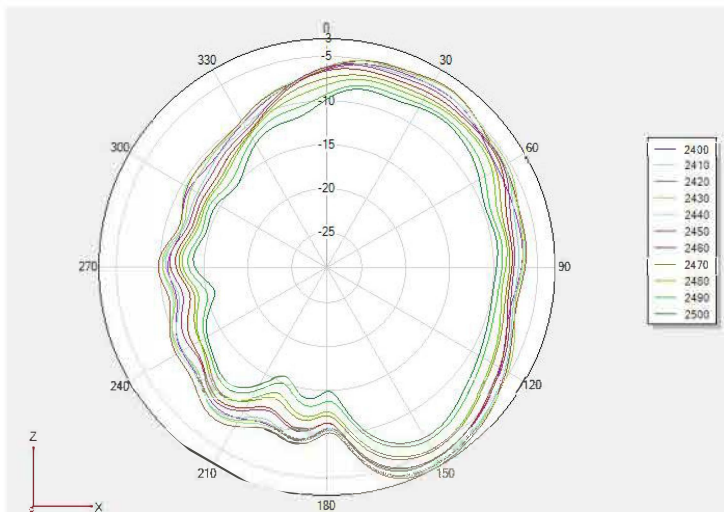
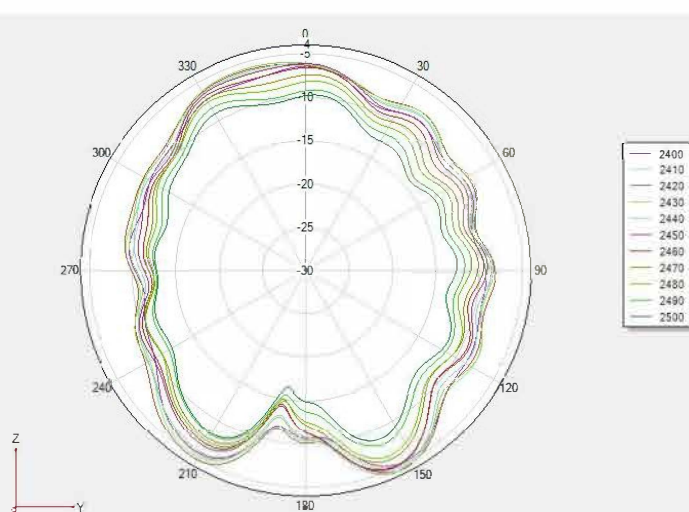
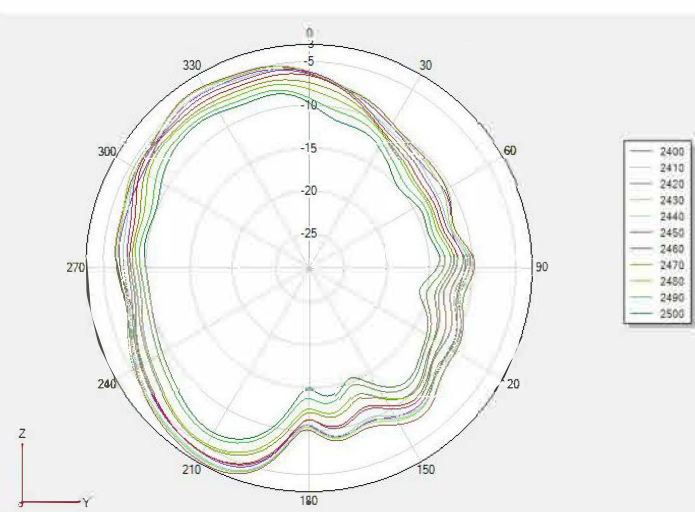
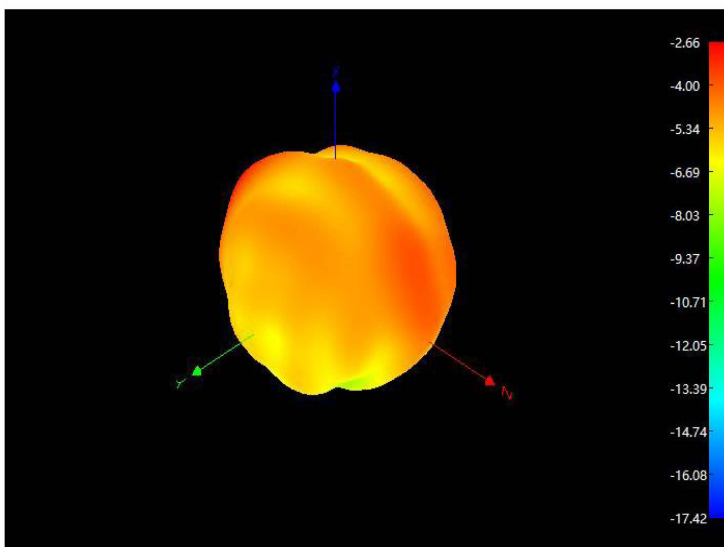
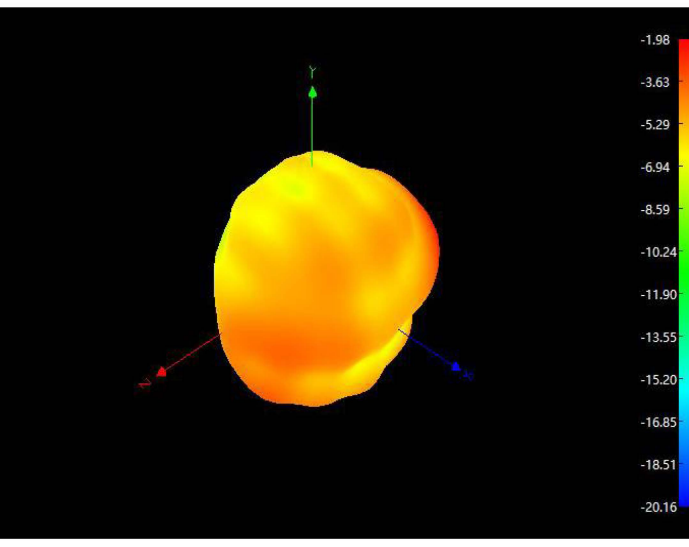
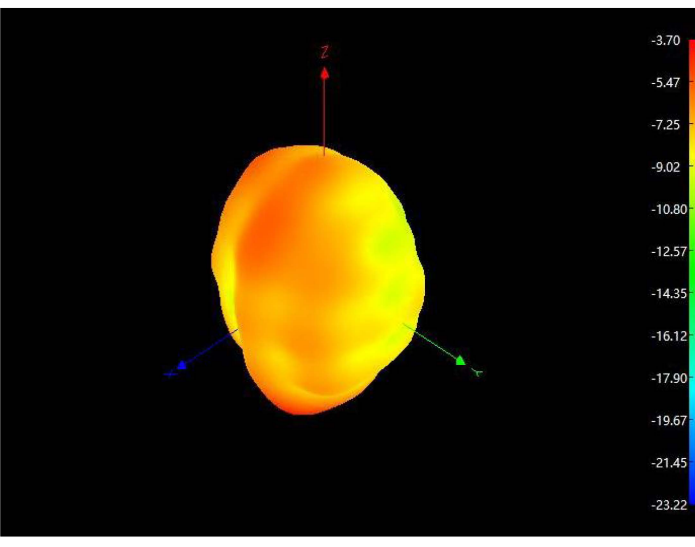
(Side View)

Unit:mm

Symbols	L	W	T	A
Dimensions	3.2+/-0.2	1.6+/-0.2	0.6+/-0.1	0.5+/-0.1

3. Test Result

3.1 2D Pattern——BTANT



WORK REPORT

谢谢观看