APPROVAL SHEET

CUSTOMER NAME:

PRODUCT NAME: 2.4G FPC L=40mm

CUSTOMER P/N:

Youbi P/N: UB01C40F2D4729A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Eddy	
APPROVED BY:	Changxing.Liu	
DATE:	2024/9/5	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Eddy	2024-9-5

Content

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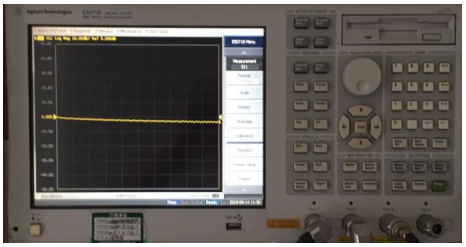
1. Electrical Specification:

Characteristics	Specifications	Unit
Outline Dimensions	35.2x8,L40	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	< 2	
Polarization	Linear Polarization	
Gain	3.42	dBi
Efficiency	>50	%
Connector Type	/	
Operating temperature	-20℃~+85℃	
Storage Temp	-20℃~+50℃	

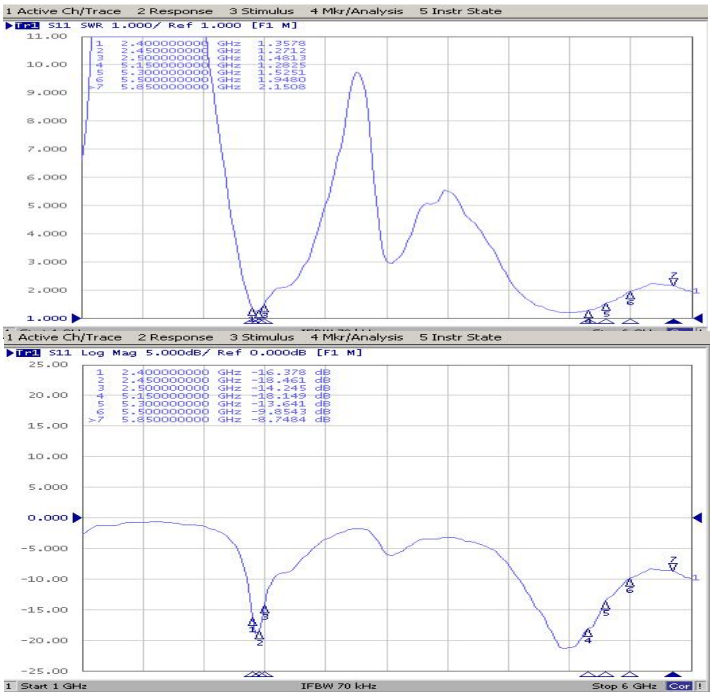
2.Test Items and Equipment

	Test items	Test equipment
S Parameter	1.Return Loss 2.VSWR	Network analyzer (Agilent E5071B)
The whole machine of Passive parameters	1.Frequency 2.Gain 3.Radiation Pattern	1.3D microwave darkroom (5m*5m*5m) 2.Network analyzer (Agilent E5071B)
The whole machine of Active parameters	1.TRP 2.TIS	1.3D microwave darkroom (5m*5m*5m) 2.Comprehensive test instrument (CMW500)


3. S Parameter

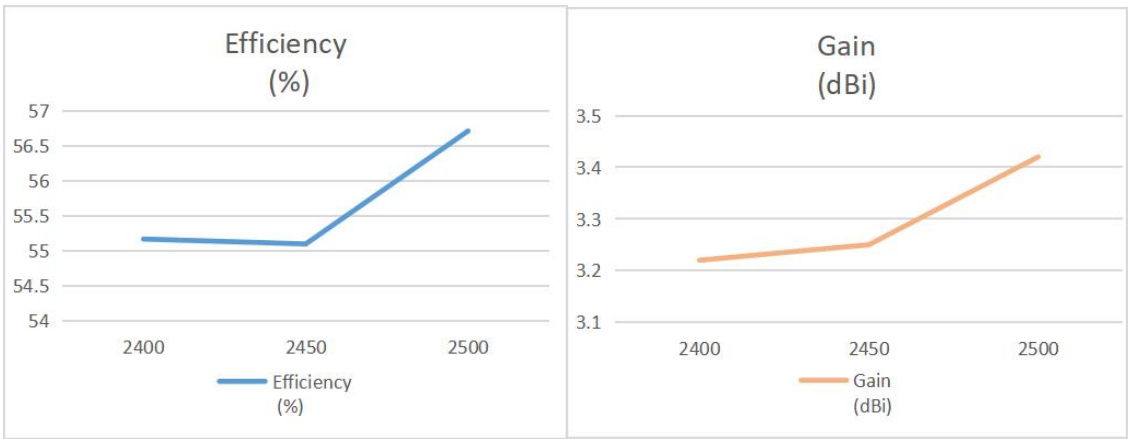
Frequency (MHz)	Return Loss(dB)	VSWR
2400	-16.37	1.35
2450	-18.46	1.27
2500	-14.24	1.48



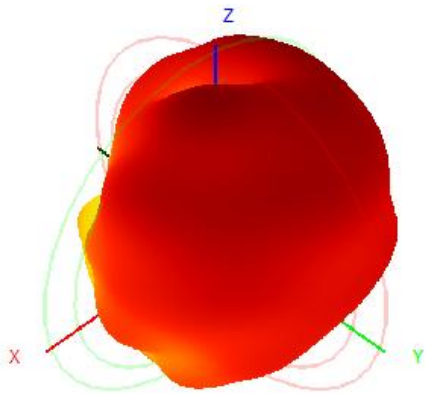
* Voltage Standing Wave Ratio(VSWR)
Return Loss(RL)
RL=20*log10[(VSWR+1)/(VSWR-1)

4. Efficiency and Gain

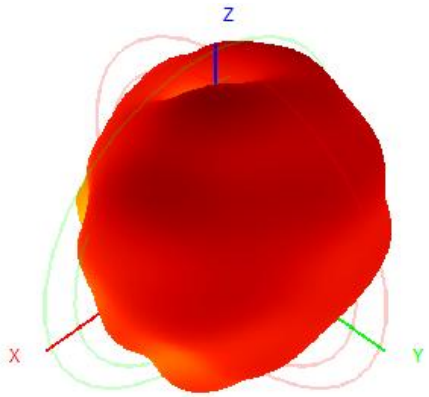
Frequency (MHz)	2400	2450	2500
Efficiency (%)	55.17	55.1	56.71
Gain (dBi)	3.22	3.25	3.42



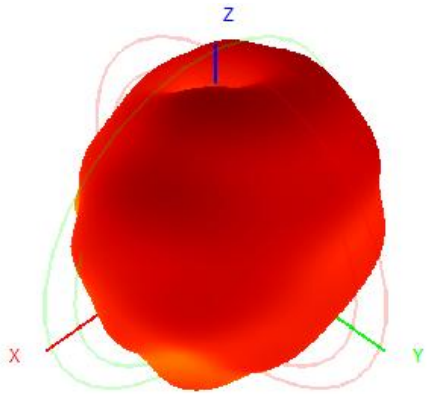
5. Radiation Pattern



2400MHz

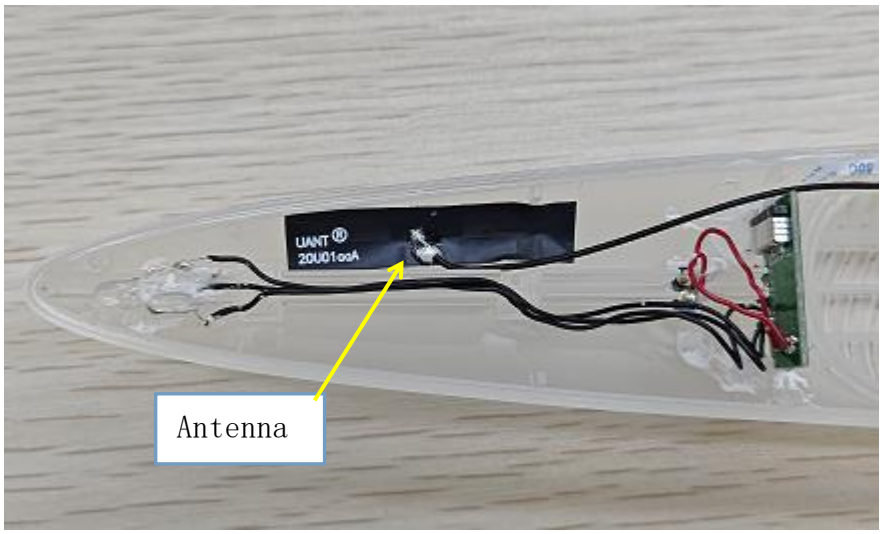


2450MHZ



2500MHZ

6. Antenna installation diagram



7.Mechanical Specification