

Sample acceptance certificate

Document version number: A2

	client	Contract manufacturing	Material supplier
Name of partner:	Anker	/	Youbi
project name :	C33	/	C33
Material number:			UB01NF1D1701A
Material description:	2. 4G FPC Built-in Antenna		
Date of acknowledgement:	2026-06-08	Version of the letter acknowledged:	V1

Supplier confirmation

research and development	character

Anker approval

Smart research and development ZhiXin MD /HW /ID/ certification	Zhi Xin SQE

Signature explanation: 1. This letter of recognition shall be in at least 5 copies, one copy for anchor R&D and SQE respectively, one copy for material manufacturer and OEM

Keep two copies in the factory;

2. Anker Each owner signature shall be signed with the full English name of the company.

3. First, send the electronic file to Anker's corresponding R&D and SQE for confirmation.
After OK, send the paper file for signature and approval.

Declaration

APPROVAL SHEET

CUSTOMER NAME: Anker

Product name 2. 4G FPC Built-in Antenna

CUSTOMER P/N:

Youbi P/N: UB01NF1D1701A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Lina	
APPROVED BY:		
DATE:	2026/06/08	

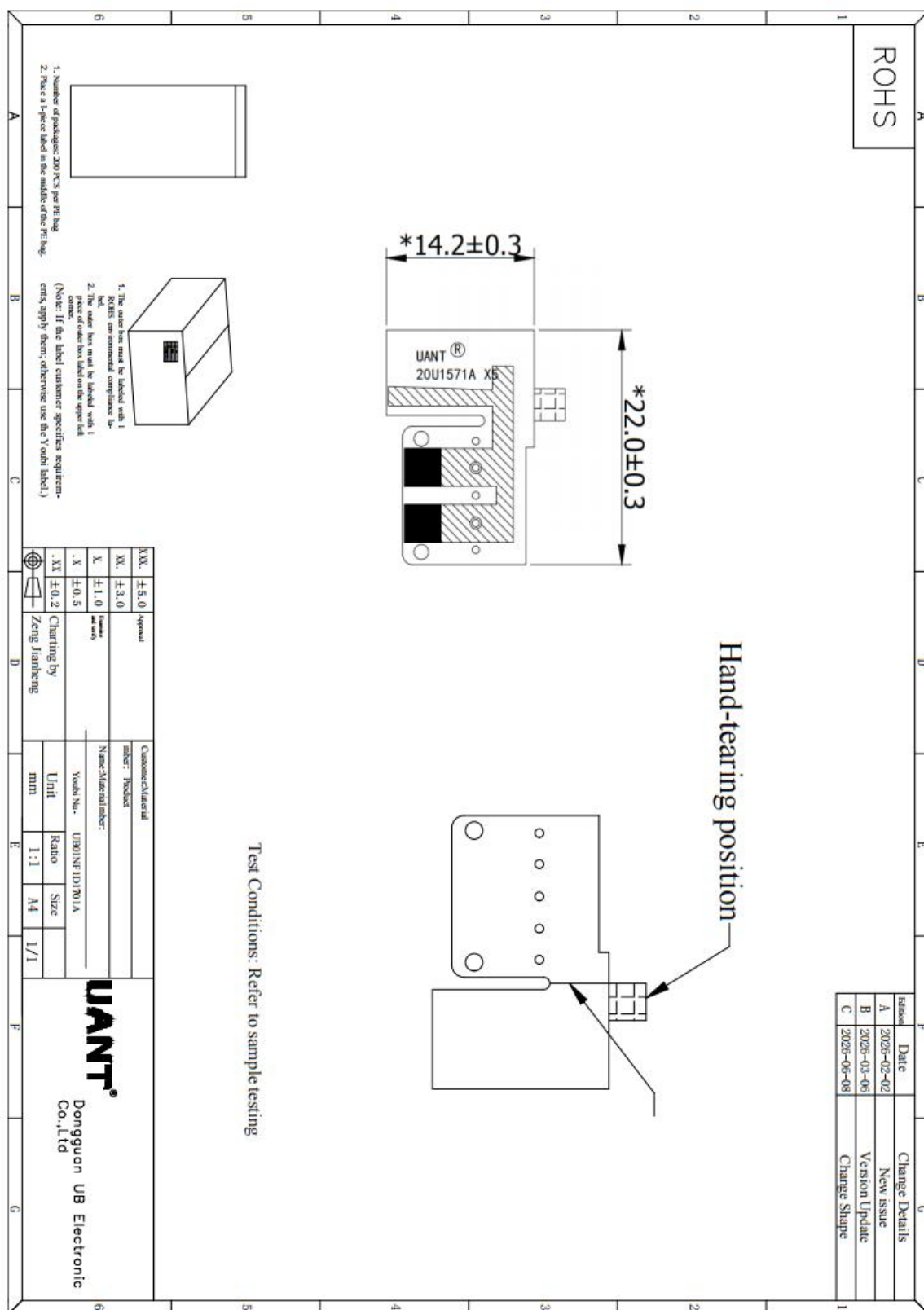
catalogue**(CONTENTS)**

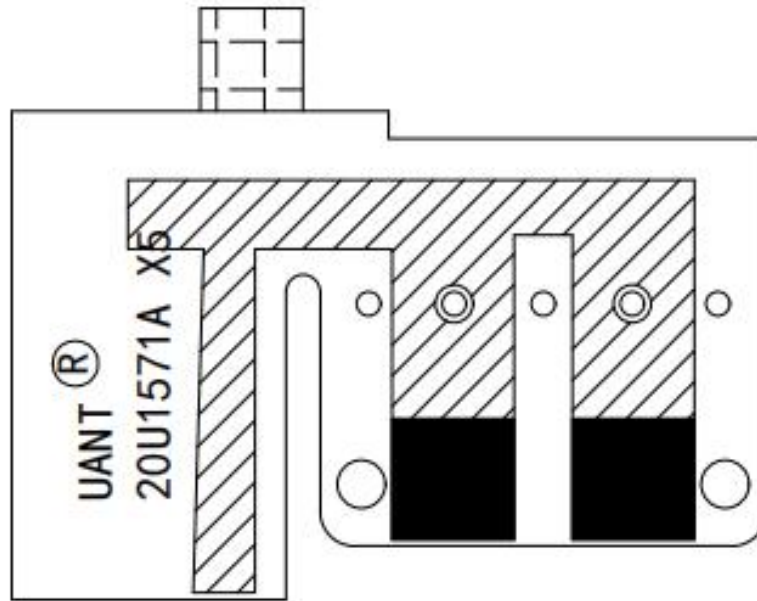
1. Revision history
2. Product 2D drawings
3. Test equipment
4. Antenna S11
5. Antenna efficiency and gain
6. Antenna 2D/3D radiation pattern
7. Full size test report

1. Revision history

Version	Content Revision	Issued by	Date
A	Original version	lina	2026-06-08

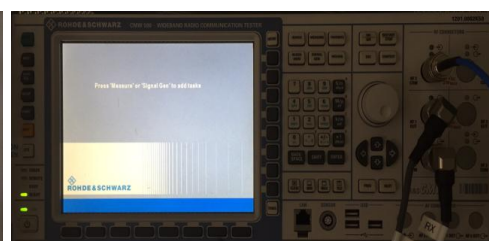
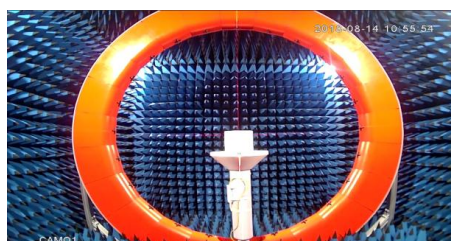
2. Product 2D drawings





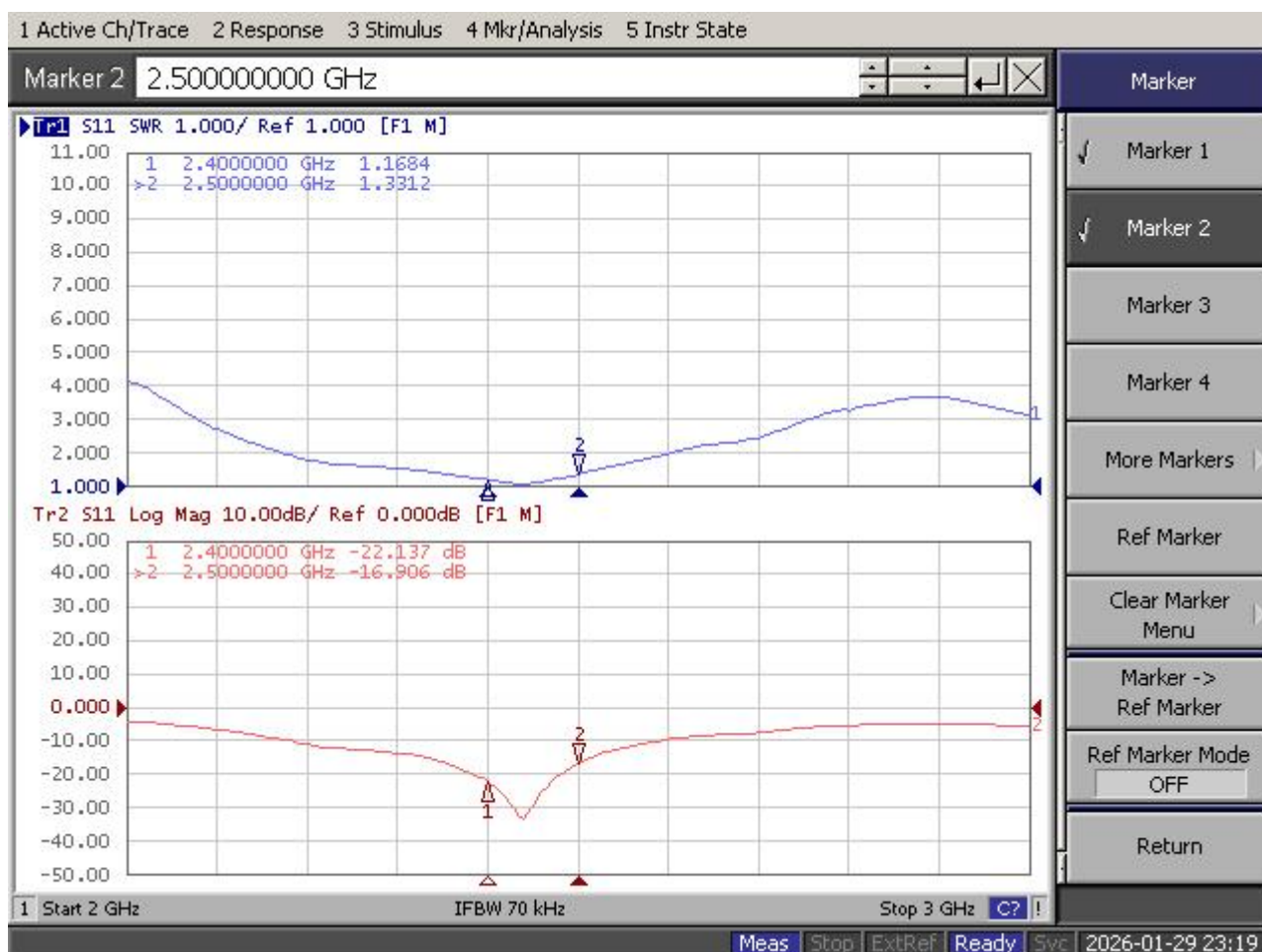
3. Test equipment

	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)



4. Antenna S11

Frequency (MHz)	VSWR	Return Loss(dB)
2400	1.16	-22.13
2500	1.33	-16.90



* Voltage Standing Wave Ratio(VSWR)

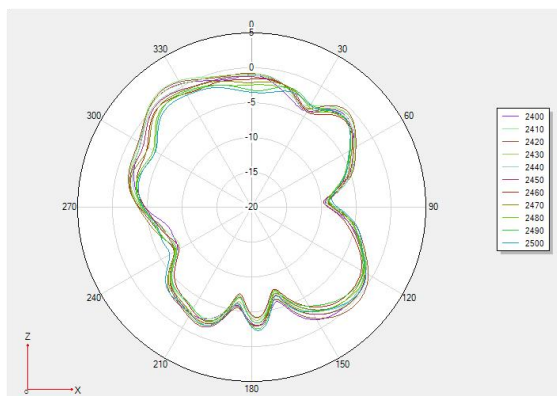
Return Loss(RL)

$$RL=20*\log_{10}[(VSWR+1)/(VSWR-1)]$$

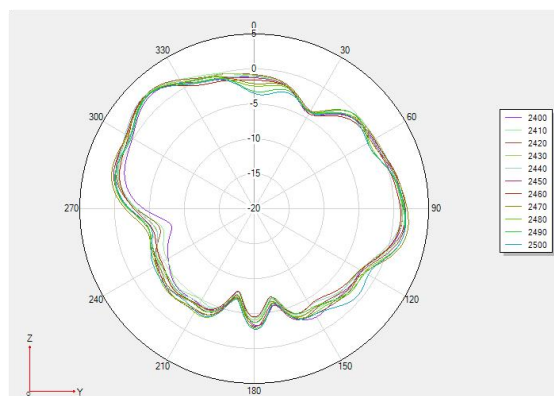
5. Antenna efficiency and gain

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
2400	-1.72	67.3	2.3
2410	-1.87	65.01	2.52
2420	-1.69	67.76	2.74
2430	-1.87	65.01	2.67
2440	-1.8	66.07	2.71
2450	-1.64	68.55	2.49
2460	-1.91	64.42	2.49
2470	-1.77	66.53	2.41
2480	-1.82	65.77	2.41
2490	-2.05	62.37	2.29
2500	-1.81	65.92	2.27

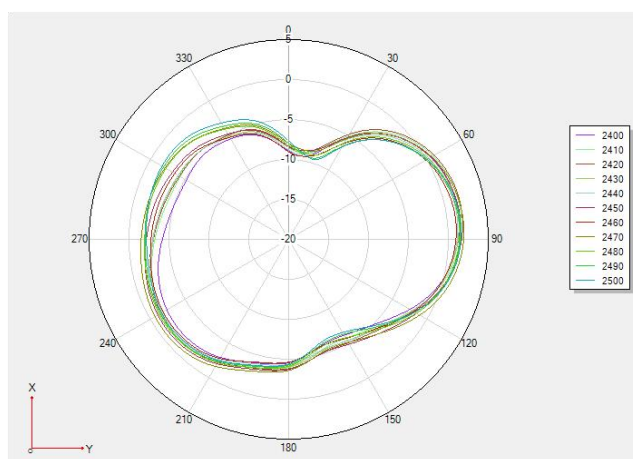
6. Antenna 2D/3D radiation pattern



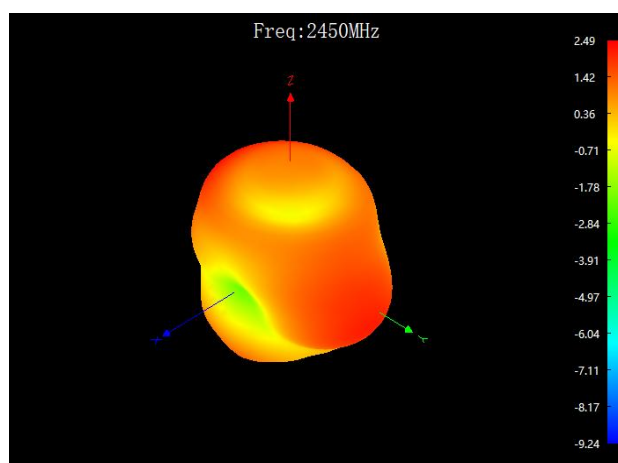
Phi 0 2D



Phi 90 2D

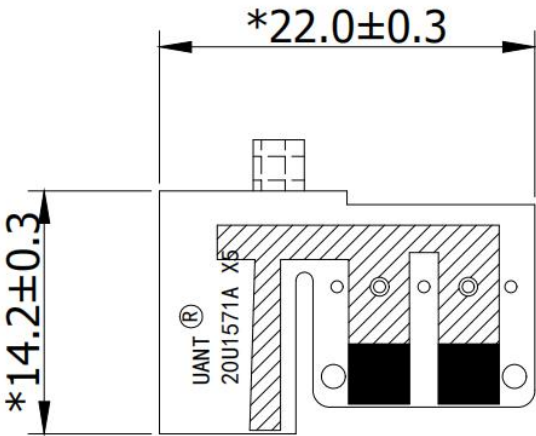


Theta 90 2D



2450MHZ

7. Full size test report

Full dimensional inspection report									
customer name	Anker	drawing number	V01						
project name	Built-in Antenna	data unit	mm						
Part code/material number	UB01NF1D1701A	examination date	2026.06.08						
									
order number	dimensional requirement	survey tools	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	judge	Customer comments, review comments
1	22±0.3	callipers	22.03	22.03	22.05	22.04	22.04	OK	
2	14.2±0.3	callipers	14.22	14.25	14.25	14.23	14.23	OK	
Approved: Huangtu Fang;			Reviewed: /;				Inspector: Lu Yingxin.		