

Sample Acknowledgment Letter

File version number: A1

	client	OEM factory	Material Supplier
Partner name:	Anker		ratio of greater inequality
project name :	T6010		T6010
Material number:			UB01C250F1D5113A
Material description:	2.4G FPC with built-in antenna (L=105mm) and first-generation terminal		
Acknowledgement date:	2025-11-20	Acknowledgement version:	V1

Supplier confirmation

research and development	character

Anker approval

Zhinex R&D Zhi Xin MD / HW / ID / authentication	Zhi Xin SQE

Signature Notes: 1. This acknowledgment form shall be prepared in at least 5 copies, with one copy retained by Anker R&D, one by SQE, one by the material manufacturer, and one by the OEM. Two copies are kept by the factory;

2. Anker requires the owner's signature to include the company's full English name.

3. First, send the electronic version to Anker's R&D and SQE for confirmation. Once approved, the paper version will be mailed for final verification.

承 认 书

APPROVAL SHEET

CUSTOMER NAME: Anker

PRODUCT NAME: 2.4G FPC Built-in Antenna L=105mm 1st Generation

Connector

CUSTOMER P/N:

Youbi P/N: UB01C250F1D5113A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:	Zhi jun. zhu	
DATE:	2025/11/20	



Dongguan Youbi Electronics Co.,LTD

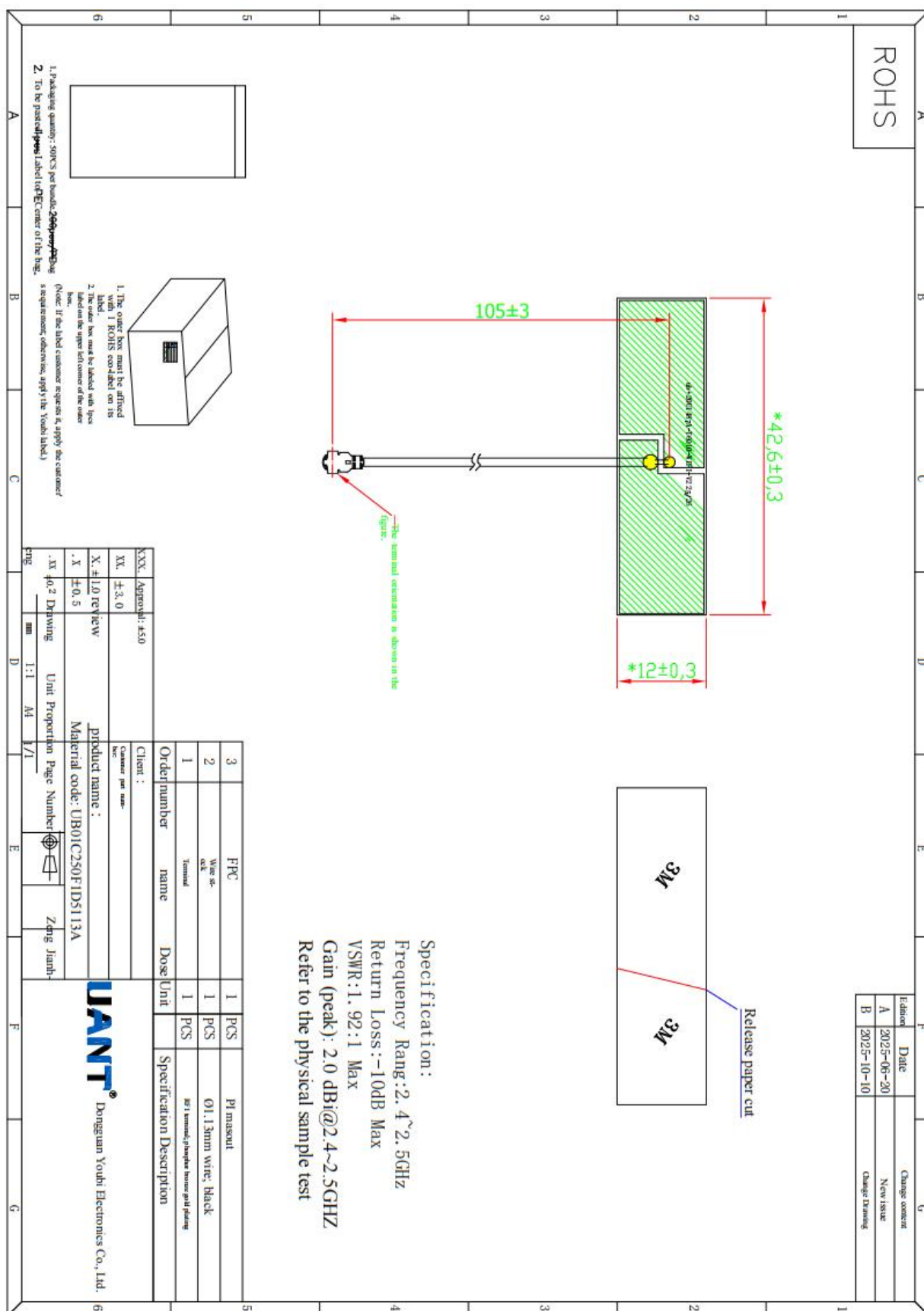
CONTENTS

- 一、 Revision History
- 二、 2D Drawings
- 三、 Test equipment
- 四、 Antenna S11
- 五、 Antenna Efficiency&Gain
- 六、 Antenna 2D/3D Radiation direction
- 七、 Antenna assembly drawing
- 八、 Package Drawing

一、Revision History

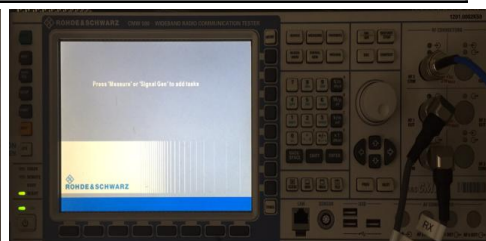
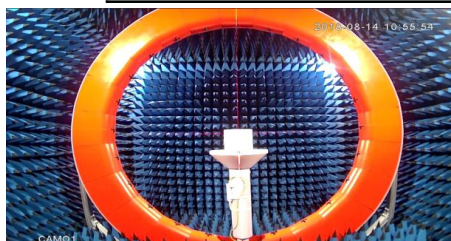
Version	Content Revision	Issued by	Date
A	Original version	lina	2025-11-20

二、2D Drawings



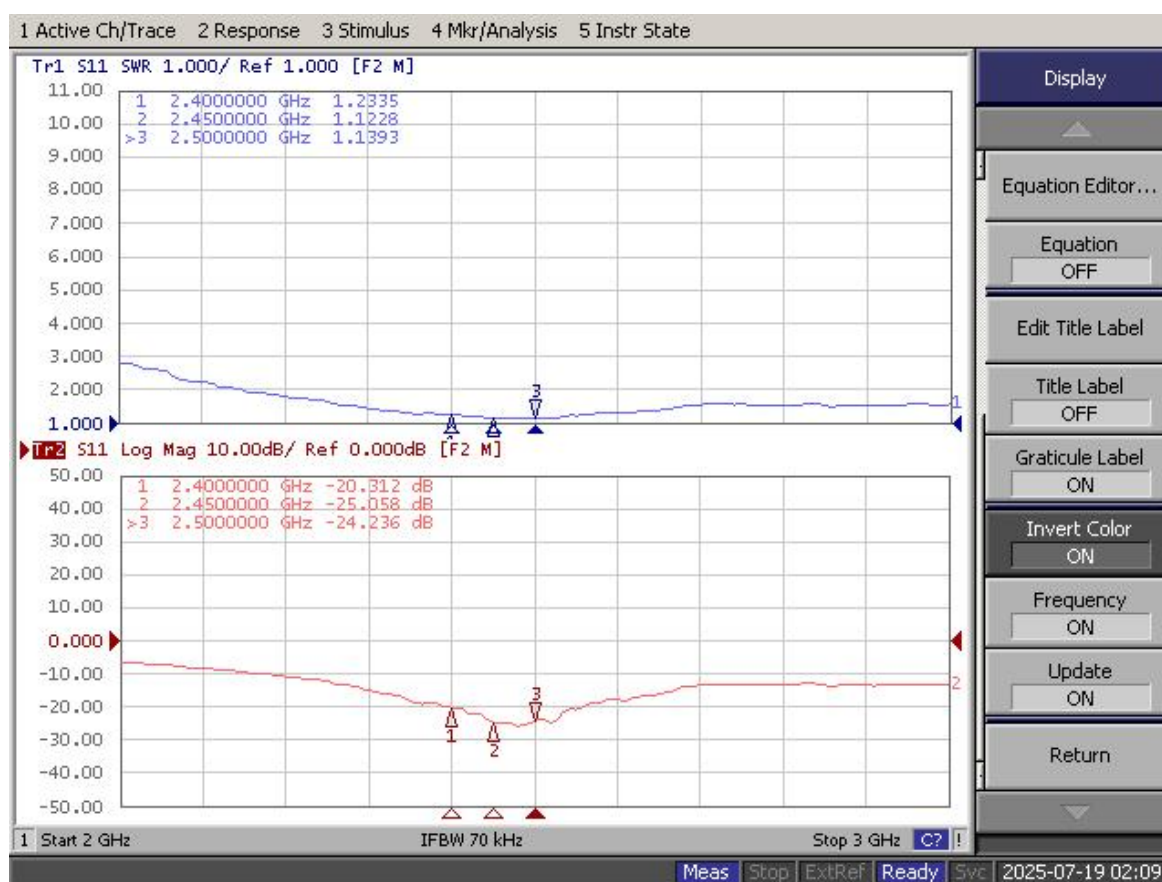
三、Test equipment

	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)



四、Antenna S11

Frequency (MHz)	Return Loss (dB)	VSWR
2400	-20.3	1.23
2450	-25	1.12
2500	-24.2	1.13



* Voltage Standing Wave Ratio(VSWR)

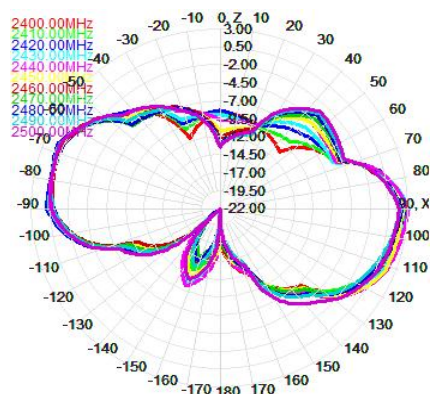
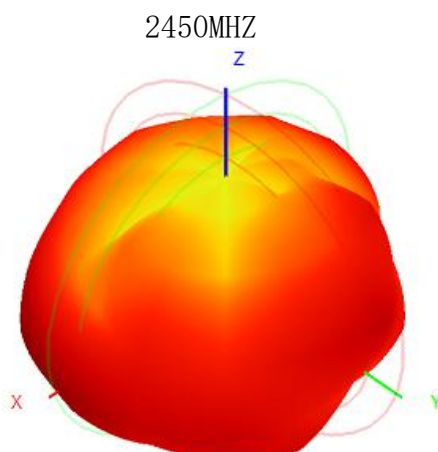
Return Loss(RL)

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

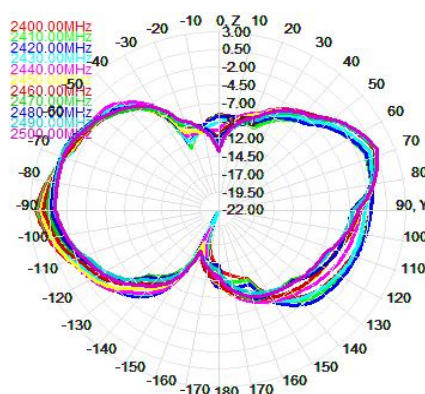
五、Antenna Efficiency&Gain

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
2400	-1.29	73.53	2.86
2410	-1.22	74.10	2.81
2420	-1.19	74.86	2.90
2430	-1.30	75.06	2.92
2440	-1.20	74.44	2.88
2450	-1.25	77.99	2.82
2460	-1.17	74.20	2.85
2470	-1.21	76.24	2.95
2480	-1.35	75.50	2.91
2490	-1.43	73.63	2.71
2500	-1.33	71.09	2.77

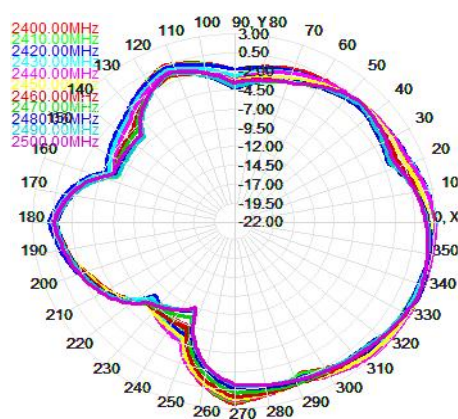
六、Antenna 2D/3D Radiation direction



Phi 0 2D

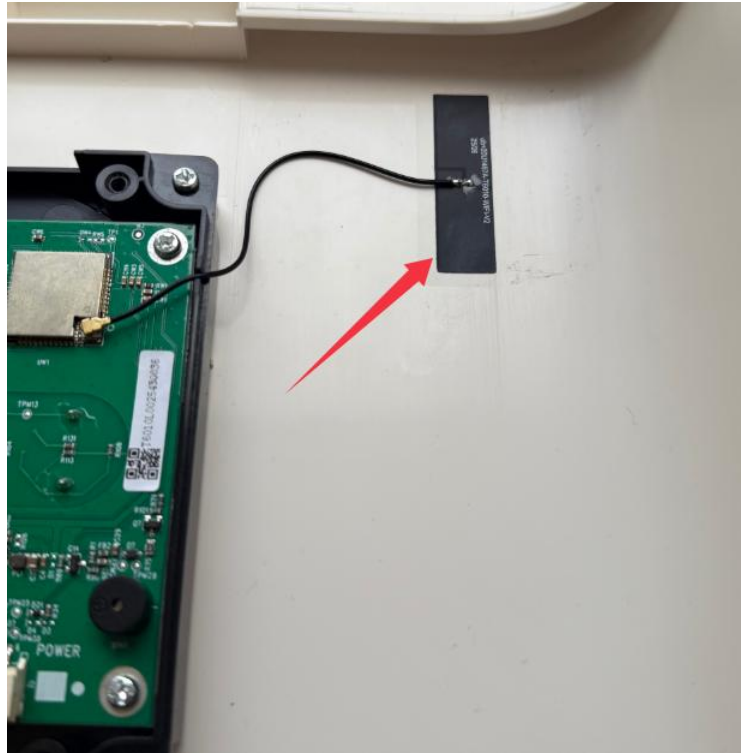


Phi 90 2D



Theta 90 2D

七、Antenna assembly drawing



八、Package Drawing

[illegible]

天线类型 Antenna type	PCB
名称 name of Antenna	NFC antenna
型号	
制造商 company name	广东顺德添源电子有限公司 Guangdong Shunde Tianyuan Electronics Co., Ltd.
地址 address	广东省佛山市顺德区杏坛镇逢简大道 8 号之三楼 3rd Floor, No. 8, Fengjian Avenue, Xiangtan Town, Shunde District, Foshan City, Guangdong Province
规格 specificatio n	13.56MHz