

Antenna specification

SPECIFICATION FOR APPROVAL

Customer name

CUSTOMER NAME :

PRODUCT NAME: 2.4G 3dBi FPC built-in antenna L =60mm + terminal

Customer material number

CUSTOMER P/N :

Ubi electronic material No

UB P/N: UB 01C 60F 3D 668A REV : A

	MANUFACTURE R S I GNATURE	CUSTOMER S I GNATURE
CHECKED BY :		
APPROVED BY :	Niu Yuwei	
DATE :	2019/11/09	

Address: Building 79, New Sun Industrial City, Lincun Community, Tangxia Town, Dongguan City (Dongguan Company)

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<i>Item</i>	<i>Description</i>
1. ----- -----	----- ----- specification table
2. ----- -----	----- ----- finished product map
3. ----- -----	----- ----- test report
4. ----- -----	----- ----- antenna installation diagram

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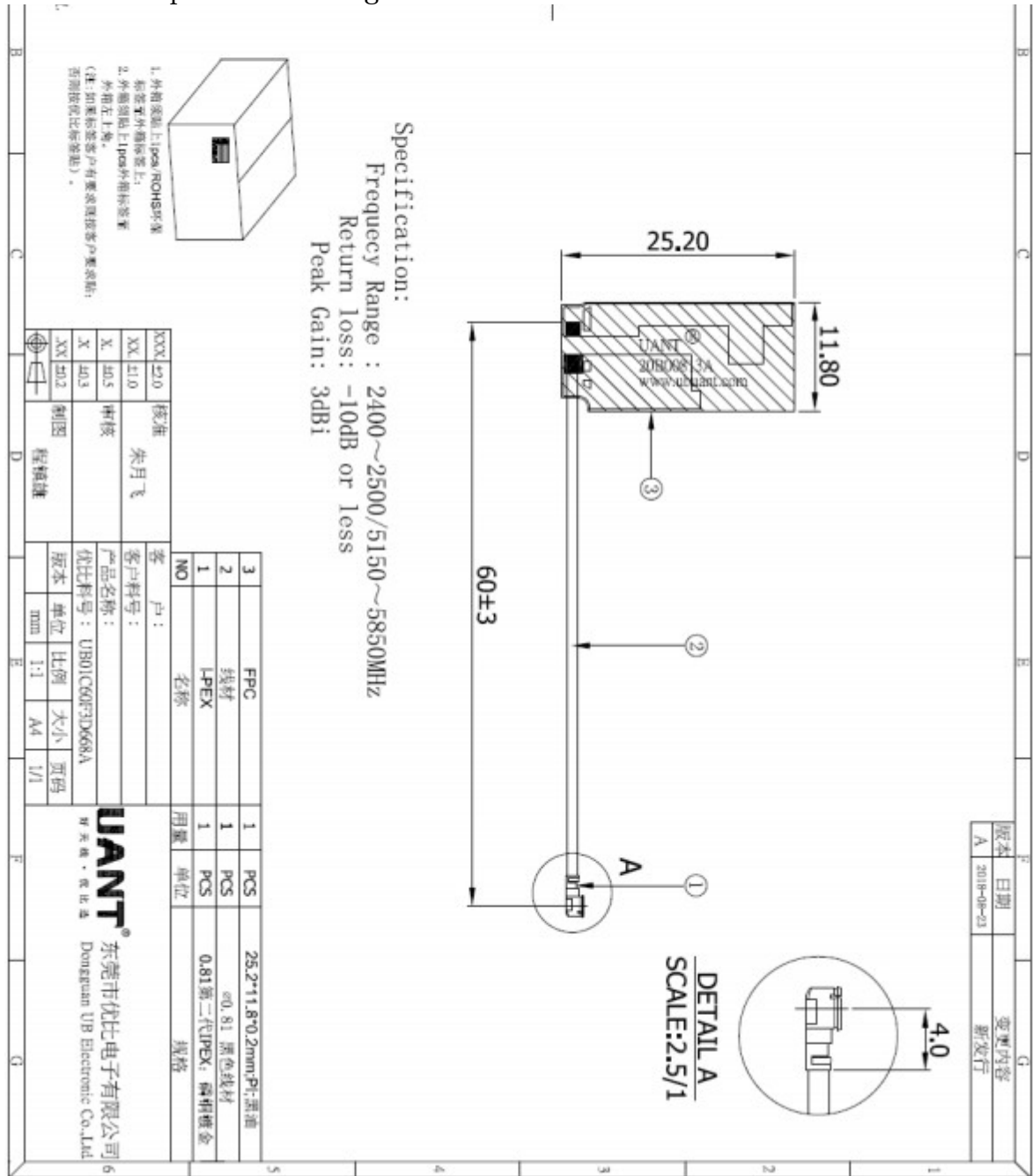
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1. Specification table:

Main technical parameters of the product

the key technical indexes		Main technical specifications	
frequency range (MHZ)	2400~2500	Frequency Range (MHZ)	2400~2500
Feature impedance of (Ω)	50	Impedance (Ω)	50
Max Gain (dBi)	3.11	Max Gain (dBi)	3.11
output voltage standing-wave ratio	≤ 1.92	VSWR	≤ 1.92
maximum power	1W	Admitted Power	1W
Polarization mode	linear polarization	Polarization	Line ,Vertical
attended mode	Coaxial axis + terminal	Connector Type	The RF Cable + terminal
physical property		Physical Properties	
Antenna body material	FPC	Antenna Base	FPC
working temperature	-20°C~+50°C	Operating Temp	-20°C~+50°C
Save the temperature	-20°C~+50°C	Storage Temp	-20°C~+50°C

2. Finished product diagram:



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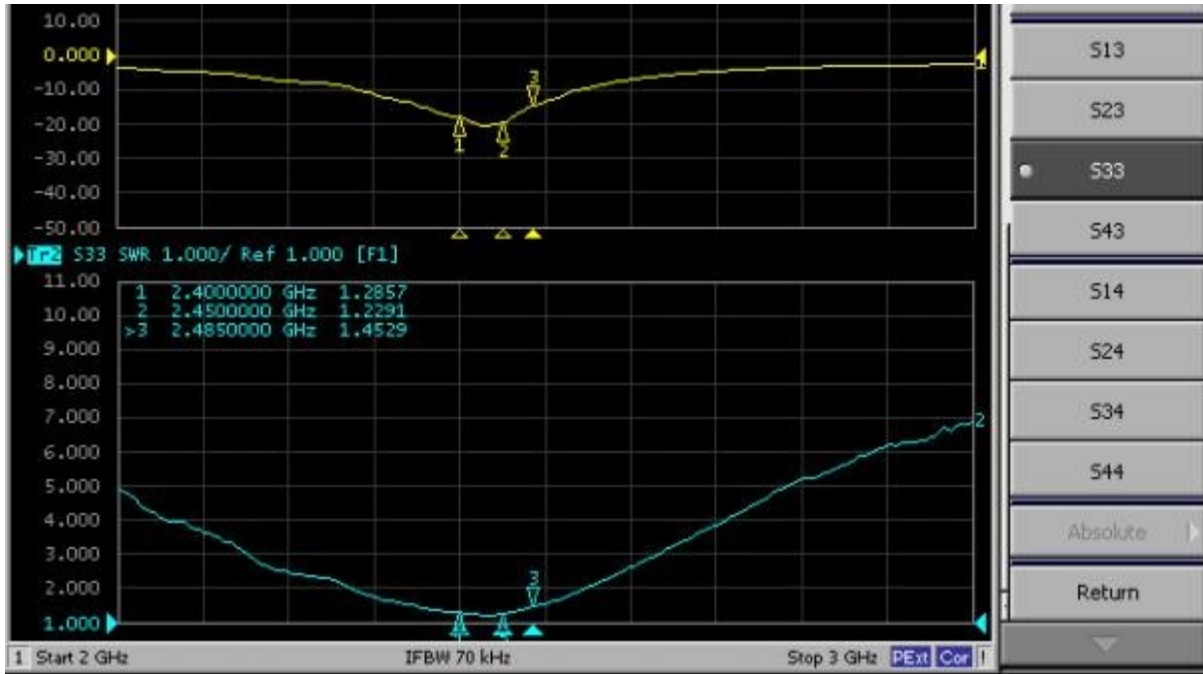
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3. Test report

.13: Network analyzer test report



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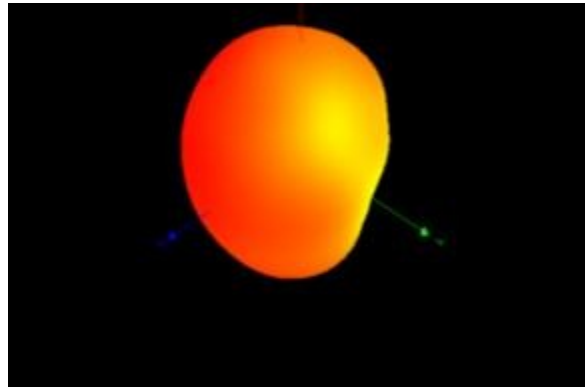
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3.2: Dark room 2D, 3DRaditation Pattern (complete machine data)

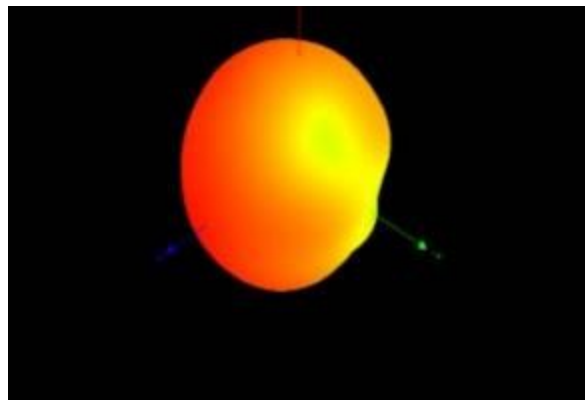
3.2.1 Efficiency and Gain

Frequency (MHz)	Efficiency (%)	Peak Gain / dB
2400	59.06	2.96
2450	61.37	3.11
2500	55.22	2.75

3.2 2D / 3D, field pattern Fig.2



2400MHz



2450MHz

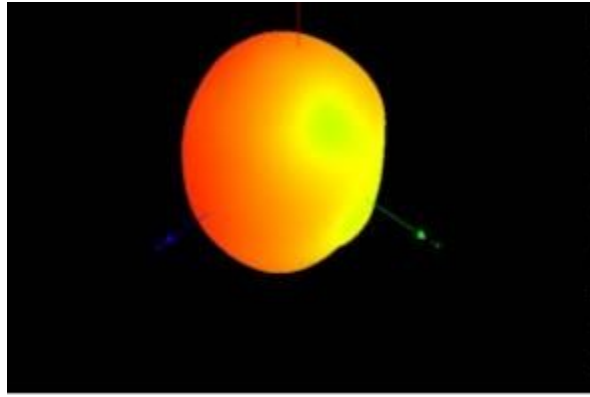
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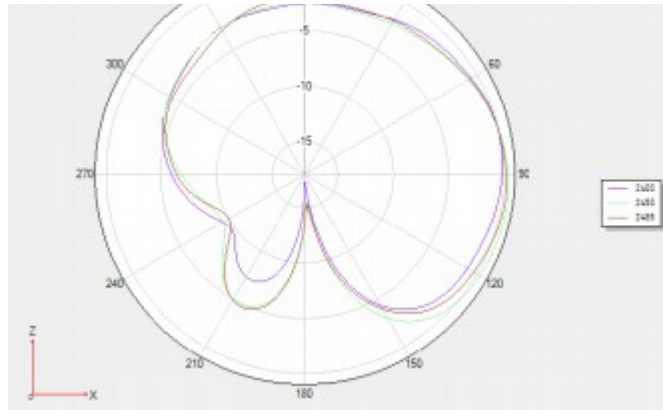
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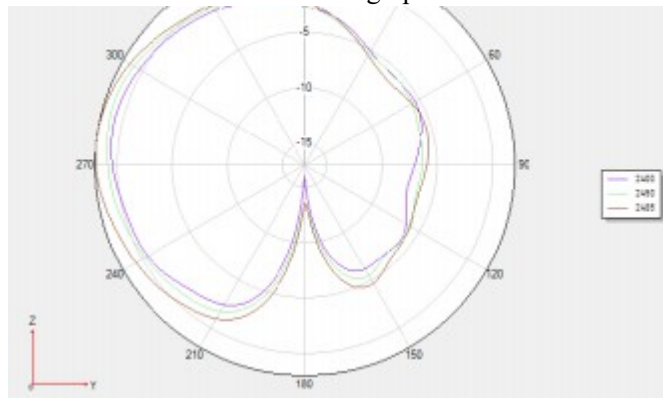
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2500MHz



Phi02D graph



Phi902D graph

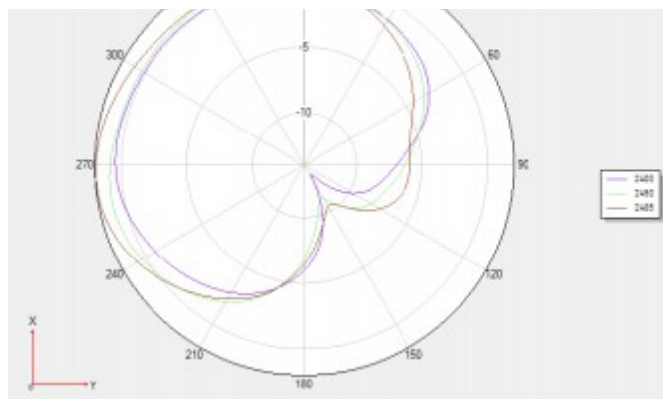
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Theta902D graph

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4. Antenna installation schematic diagram:

