承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称 2.4/5.8G W68 White Antenna

PRODUCT NAME: L=300mm+1.13 Black wire + terminal

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB02C300W5D5043A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Sam	
APPROVED BY:	Changxing.Liu	
DATE:	2023/12/8	

东莞市优比电子有限公司 工程专用章

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Sam	2023-12-8

Content

Item ***Description***

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2.----------Test Items and Equipment

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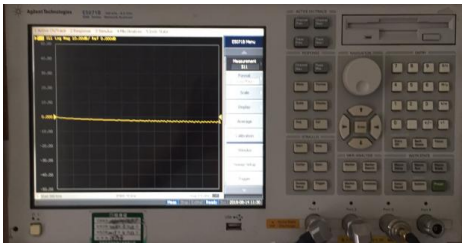
1.Electrical Specification

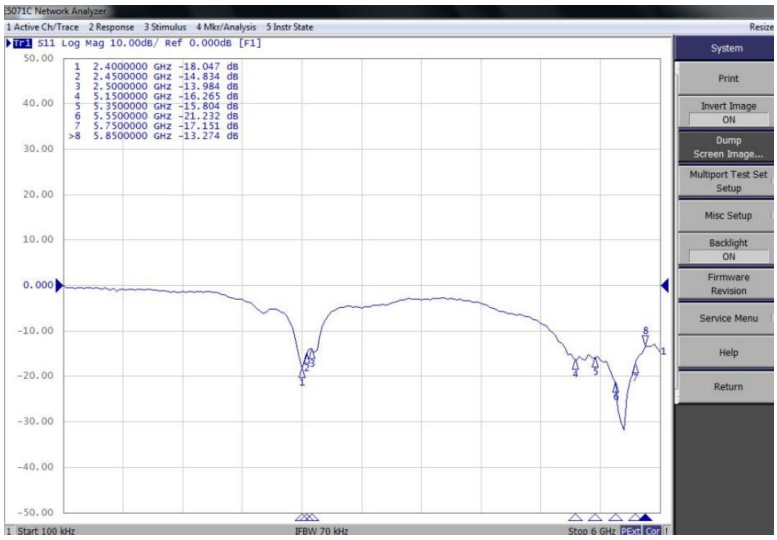
Characteristics	Specifications	Unit
Outline Dimensions	194.8x15.95 L=300	mm
Frequency	2400-2500;5150-5850	MHz
Impedance	50	Ω
VSWR	≤ 1.92	
Polarization	Linear Polarization	
Gain	4 ±1	dBi
Efficiency	≥ 60	%
Connector Type	1.13 MHF-1-Plug	
Operating temperature	-20℃~+85℃	
Storage Temp	-20℃~+50℃	

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)

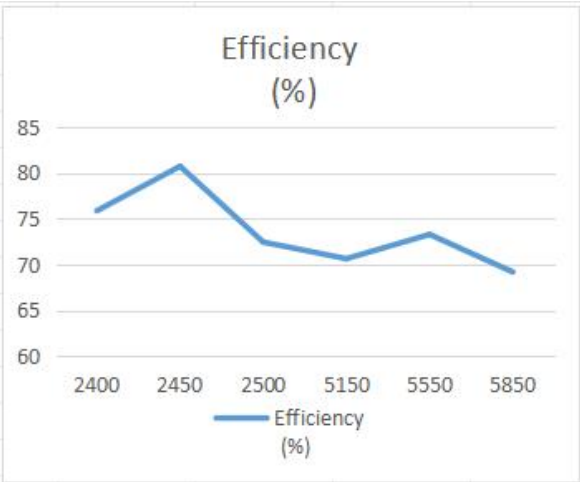


3. S Parameter



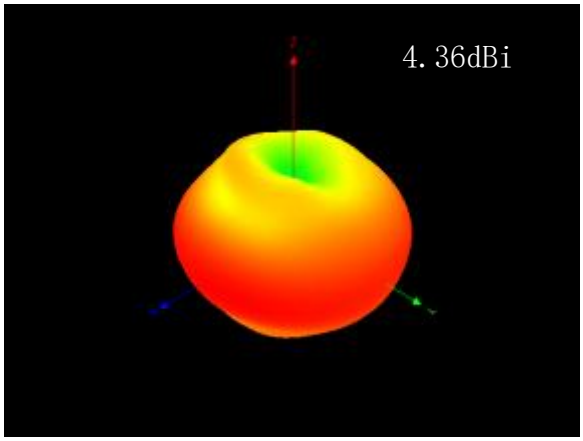
4. Efficiency and Gain

Frequency (MHz)	2400	2450	2500	5150	5550	5850
Efficiency (%)	75.86	80.72	72.44	70.63	73.28	69.18
Gain (dBi)	4.36	4.74	4.03	3.16	3.68	3.22

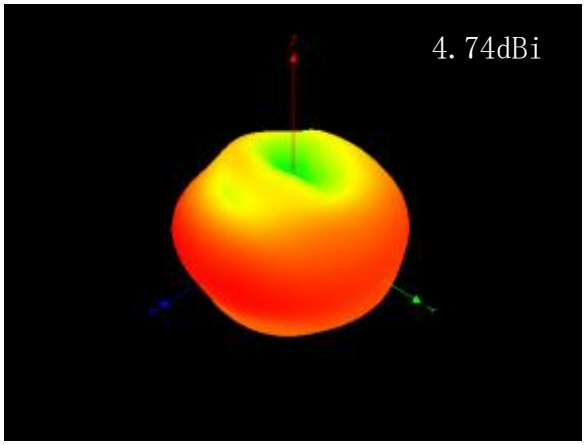


5. Radiation Pattern

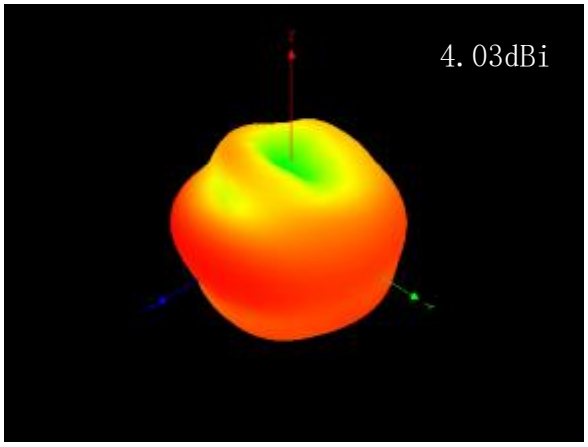
5-1 Antenna 3D Radiation Pattern



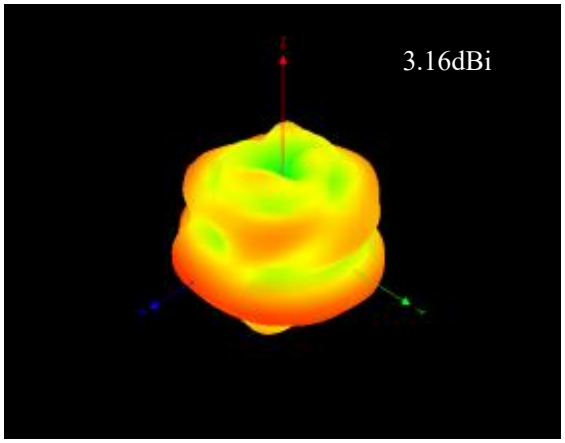
2400MHz



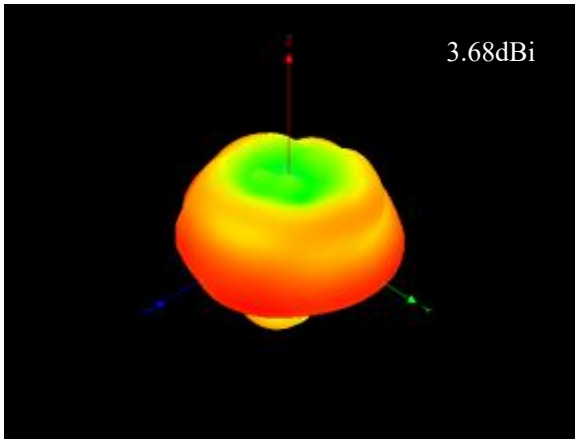
2450MHz



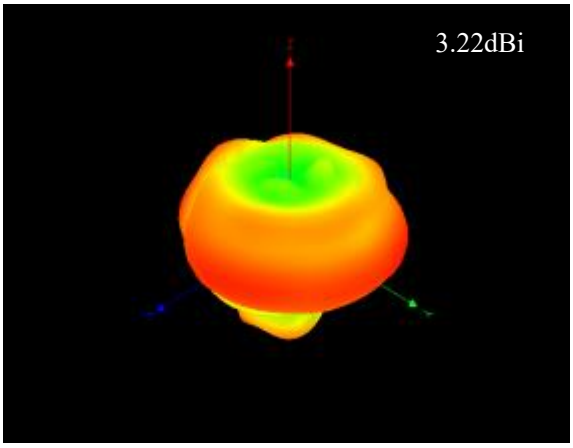
2500MHz



5150MHz

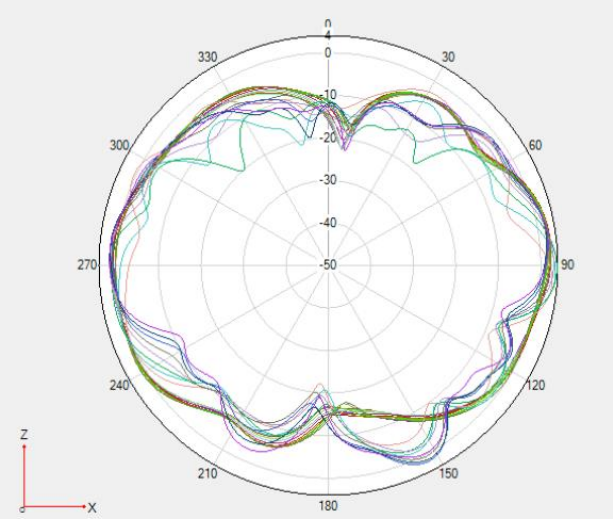


5550MHZ

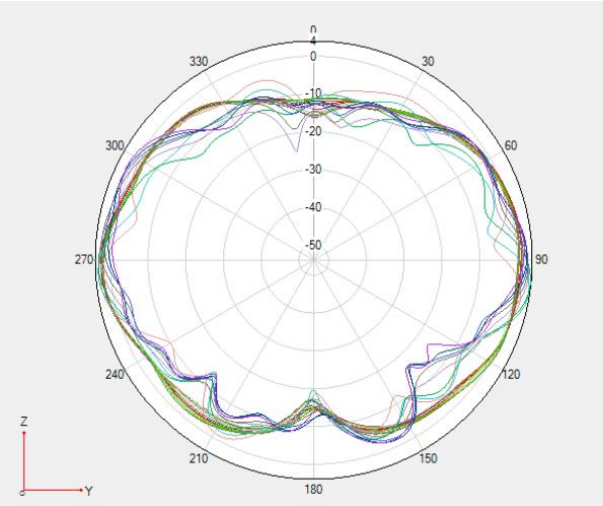


5850MHz

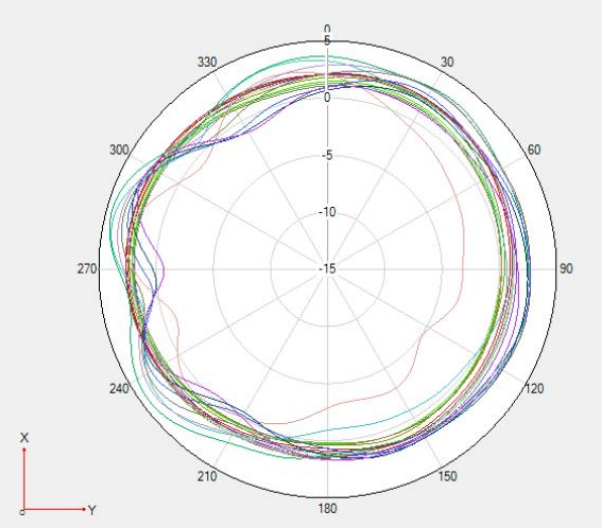
5-2 Antenna 2D Radiation Pattern

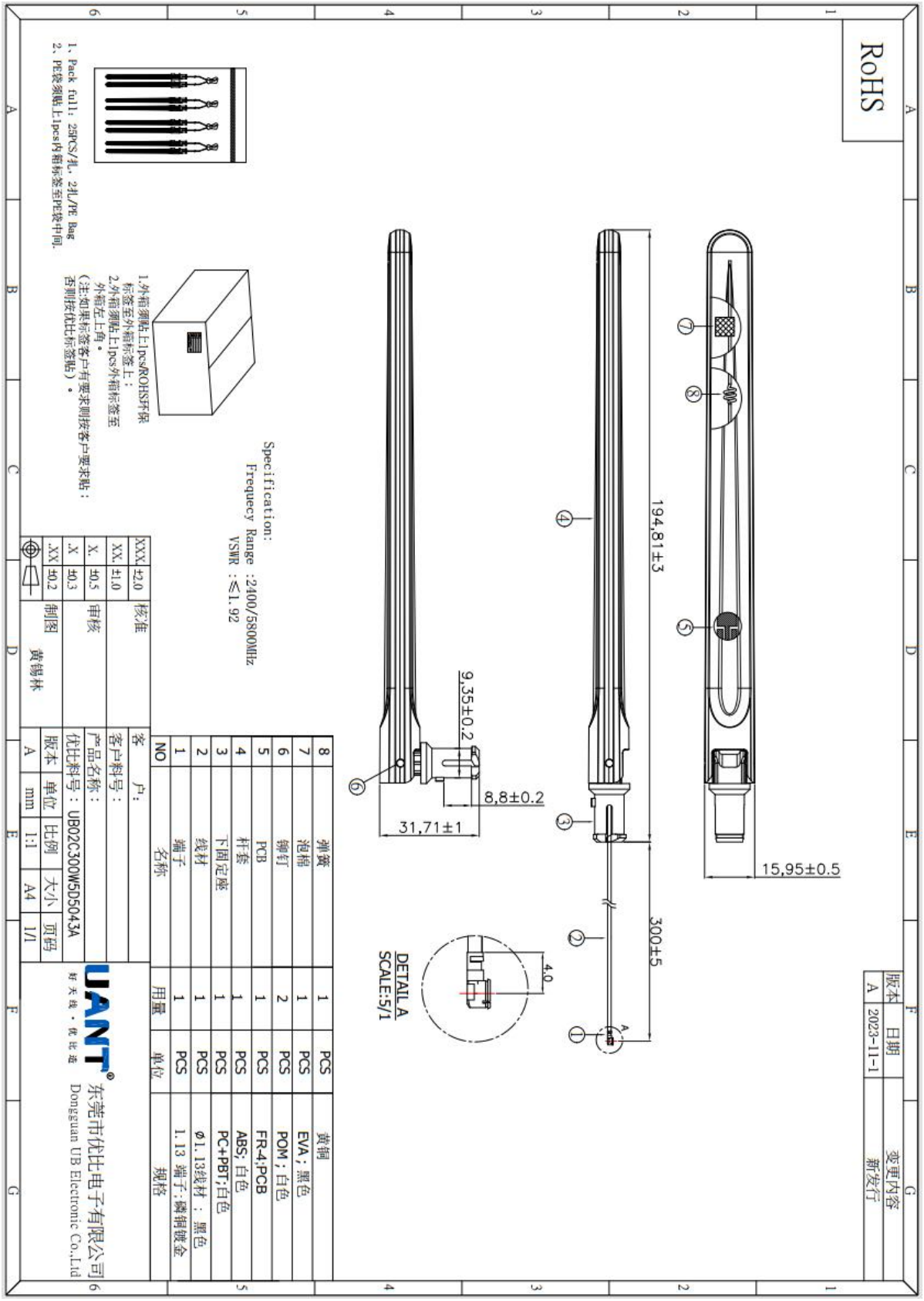


Phi 0 2D



Phi 90 2D



Theta 90 2D

7. Mechanical Specification