

SPECIFICATION FOR APPROVAL

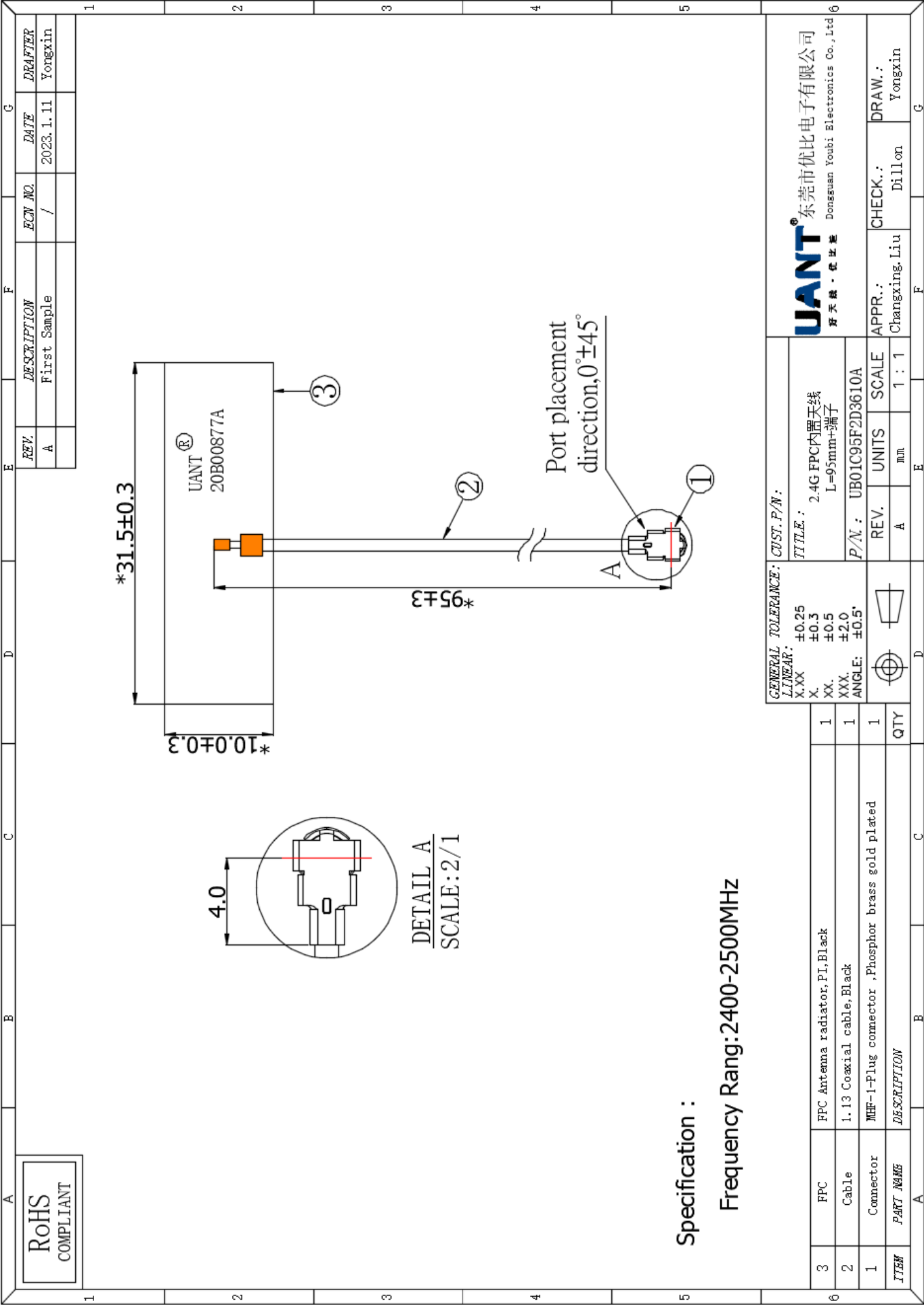
name: WIFI antenna

model: UB01C95F2D3610A

Dongguan Youbi Electronics Co.,LTD

Room 101,Building 2,No.9,

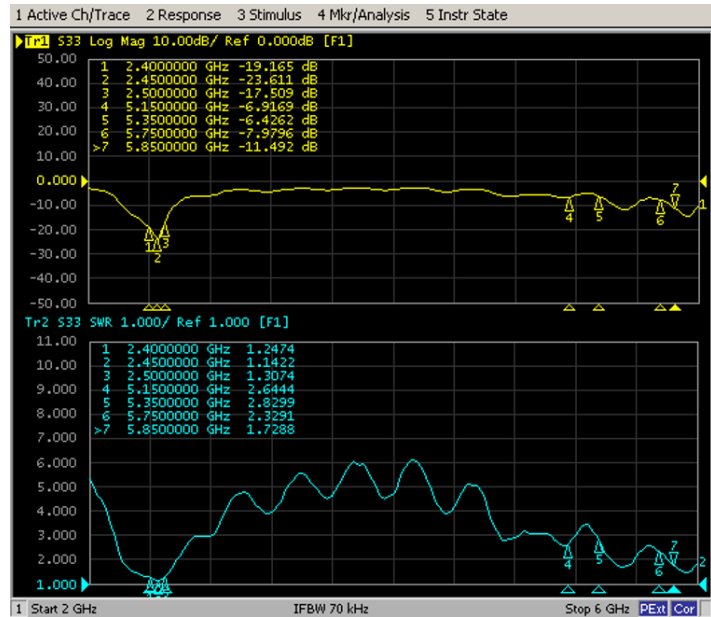
Xinfa Road,Lin Village,Tangxia Town



1. S Parameter

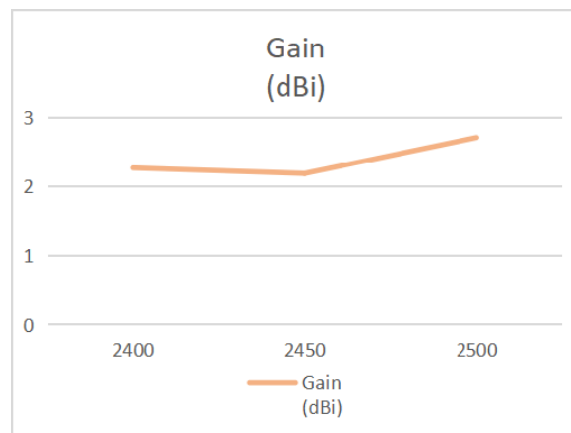
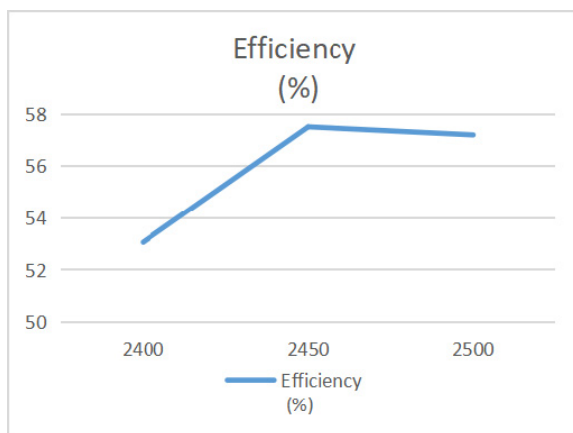
Frequency (MHz)	Return Loss (dB)	VSWR
2400	-19.16	1.24
2450	-23.61	1.14
2500	-17.50	1.30

* Voltage Standing Wave Ratio(VSWR)
Return Loss(RL)
 $RL = 20 \cdot \log_{10}[(VSWR+1)/(VSWR-1)]$



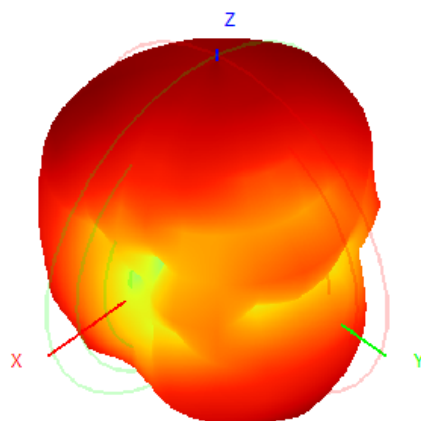
2. Efficiency and Gain

Frequency (MHz)	2400	2450	2500
Efficiency (%)	53.06	57.51	57.2
Gain (dBi)	2.27	2.19	2.71

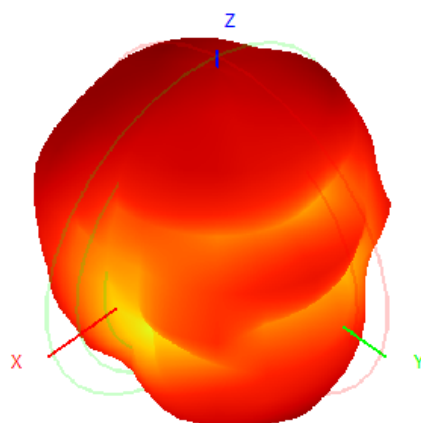


3. Radiation Pattern

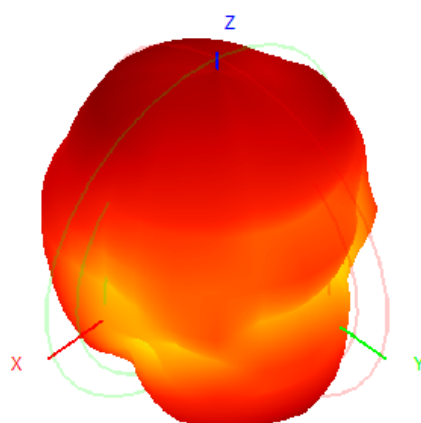
3-1 Antenna 3D Radiation Pattern



2400MHz



2450MHz



2500MHz

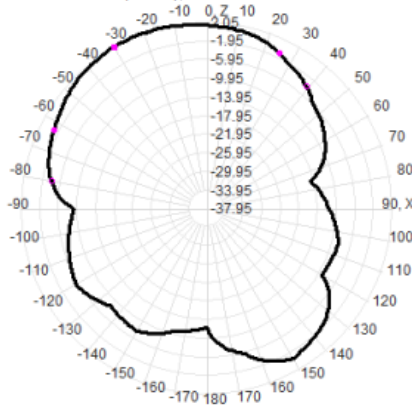
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Hangzhou Youbige Electronics Co.,LTD
Room 106,Building 3,Letong Science Park,
No.500 Qiuyi Road,Binjiang District
Website: www.ubuant.com

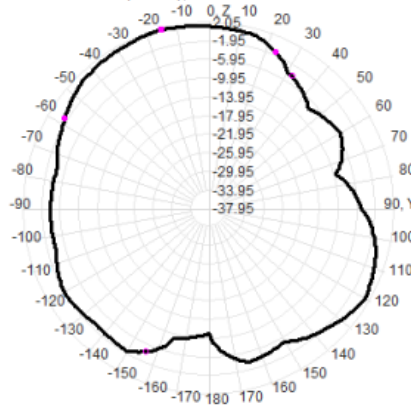
Shenzhen Youbi Electronics Co.,LTD
Room 106, Building A,Xinzheng Industrial Park,
57 Liuxian Road, Bao 'an District, Shenzhen

3-2 Antenna 2D Radiation Pattern

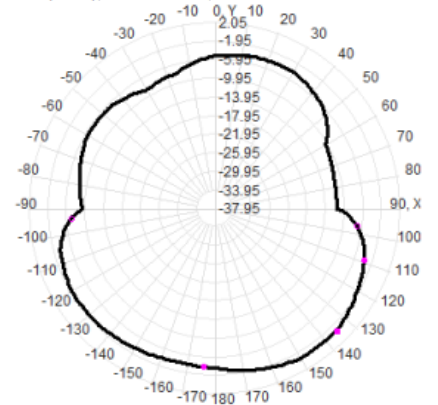
2400.0MHz Total(E1-XZ), Max= 2.05dBi



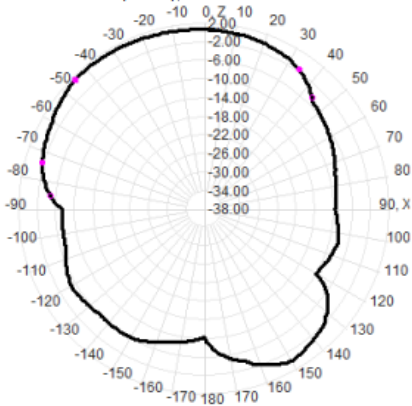
2400.0MHz Total(E2-YZ), Max= 1.72dBi



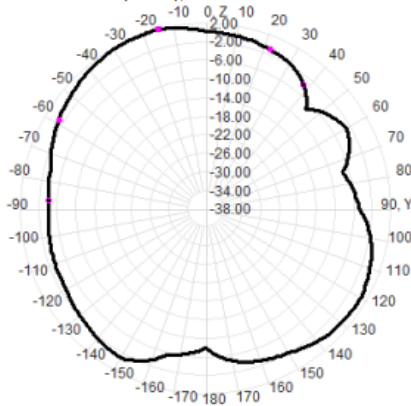
Total(H-XY), Max= -0.95dBi, CirD=10.87



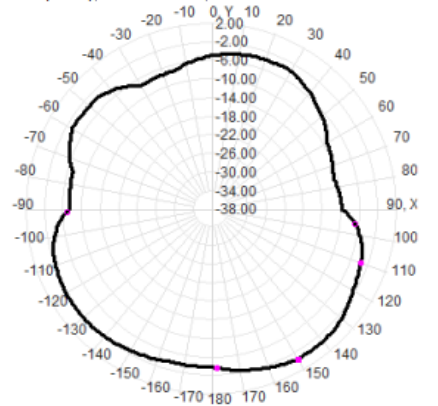
2450.0MHz Total(E1-XZ), Max= 1.33dBi



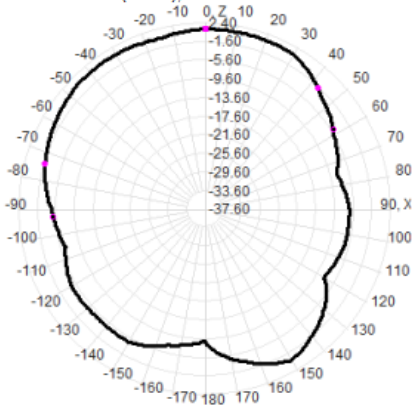
2450.0MHz Total(E2-YZ), Max= 2.00dBi



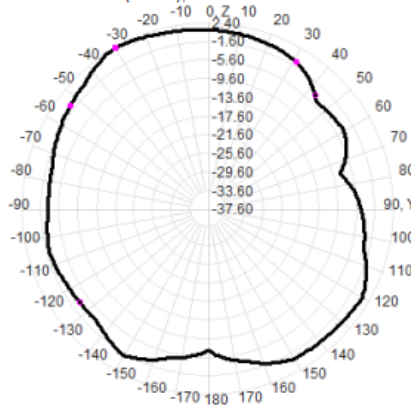
Total(H-XY), Max= -0.80dBi, CirD=10.16



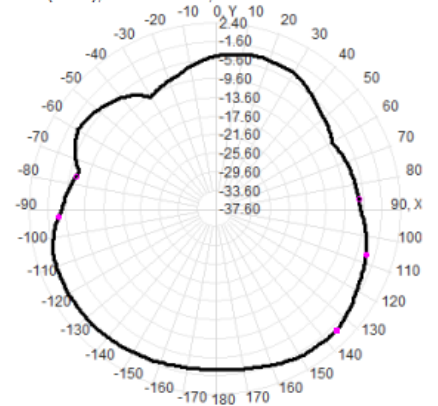
2500.0MHz Total(E1-XZ), Max= 1.03dBi



2500.0MHz Total(E2-YZ), Max= 2.40dBi



Total(H-XY), Max= -0.78dBi, CirD=9.07

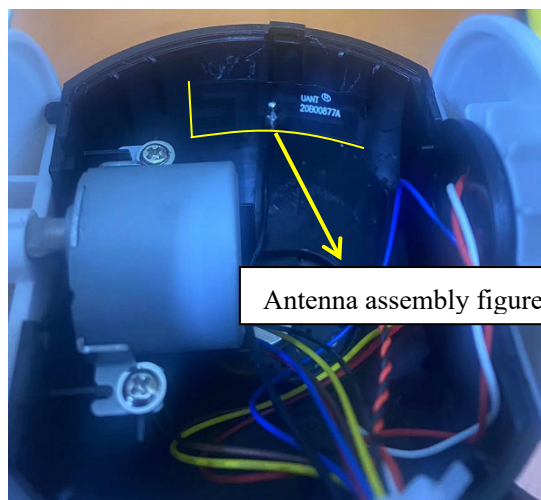


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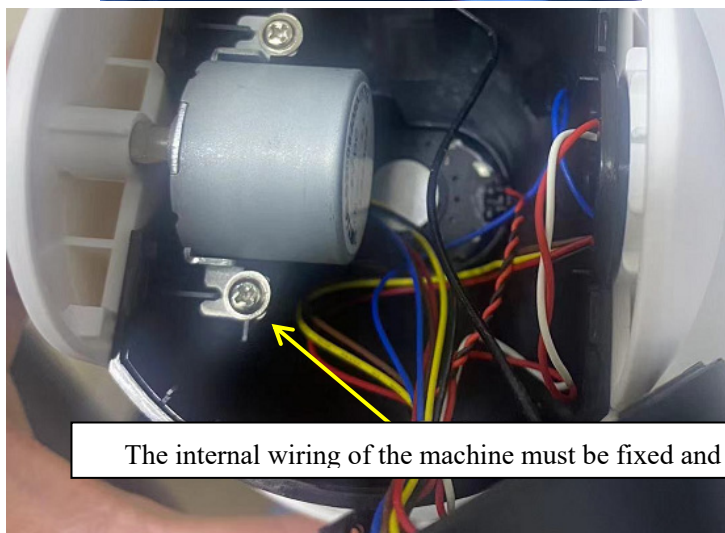
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4. Antenna installation diagram



Antenna assembly figure



The internal wiring of the machine must be fixed and not close to the antenna

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