

SPECIFICATION FOR APPROVAL

(产品承认书)

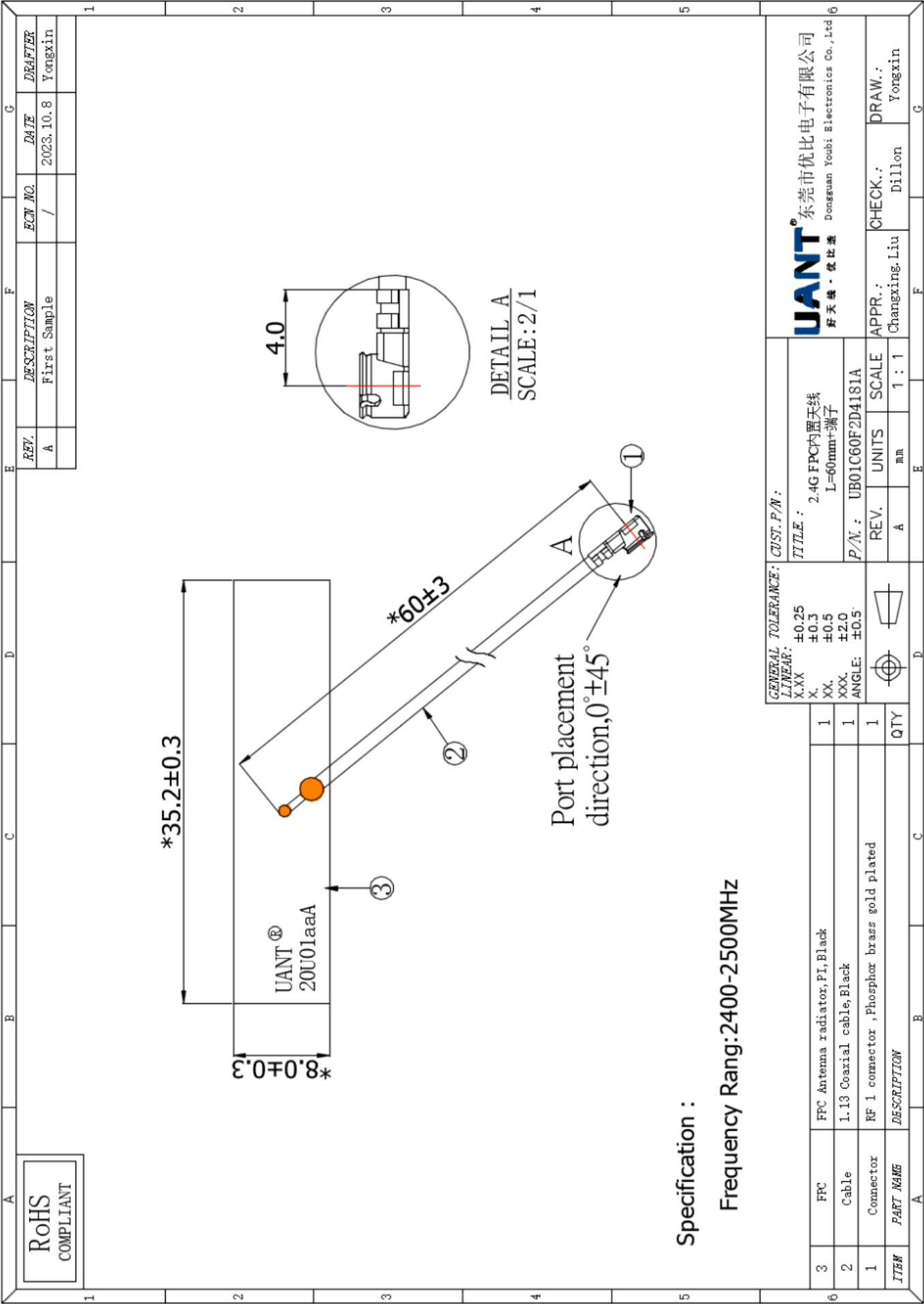
产品名称(Product name): WIFI Antenna

Product model (original model) : UB01C60F2D4181A

Customer's "Material Name": WIFI Antenna_UB01C60F2D4181A

Customer's Specifications: Frequency :2.4GHZ_ Built-in _FPC antenna _ Black coaxial line with terminal
length L=60mm±3mm _ROHS

结构尺寸图 (CAD 图档) Structure size drawing (CAD drawing file)



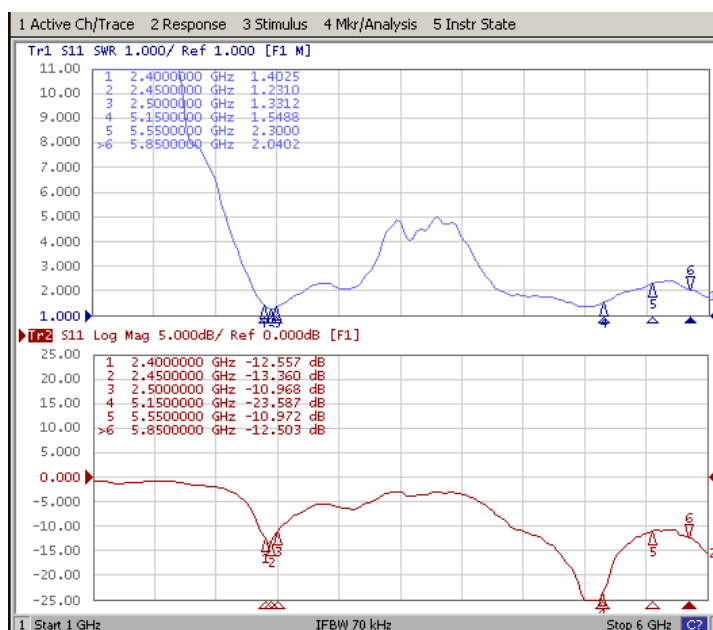
1. S Parameter

Frequency (MHz)	Return Loss (dB)	VSWR
2400	-12.55	1.40
2450	-13.36	1.23
2500	-10.96	1.33

* Voltage Standing Wave Ratio(VSWR)

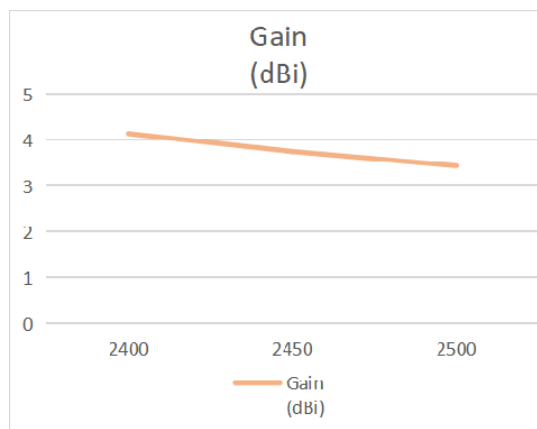
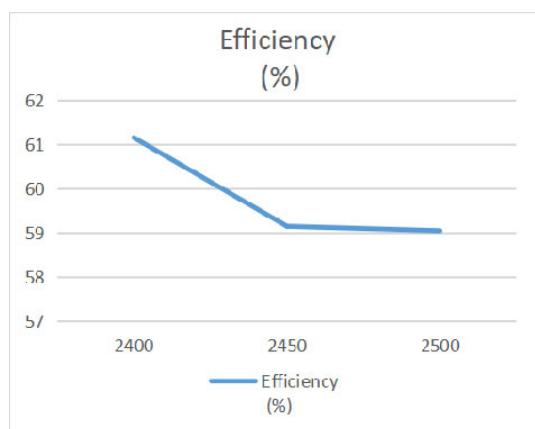
Return Loss(RL)

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



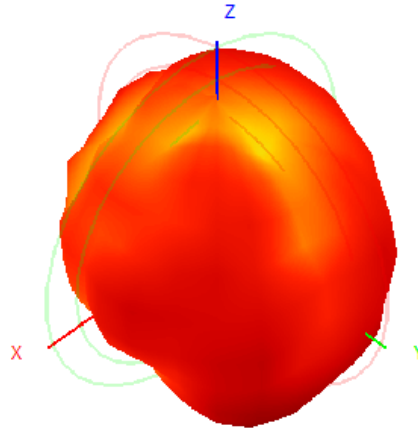
2. Efficiency and Gain

Frequency (MHz)	2400	2450	2500
Efficiency (%)	61.16	59.15	59.05
Gain (dBi)	4.14	3.75	3.44

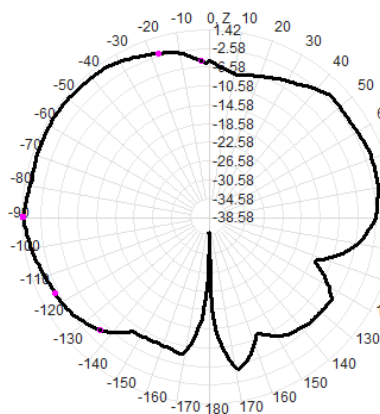


3. Radiation Pattern

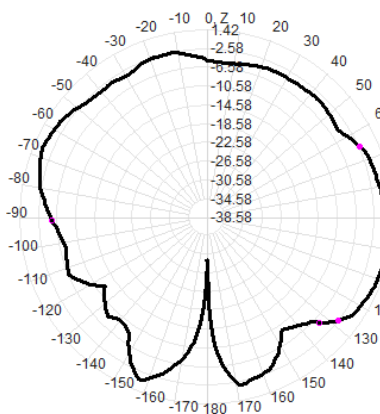
3-1 Antenna 3D Radiation Pattern



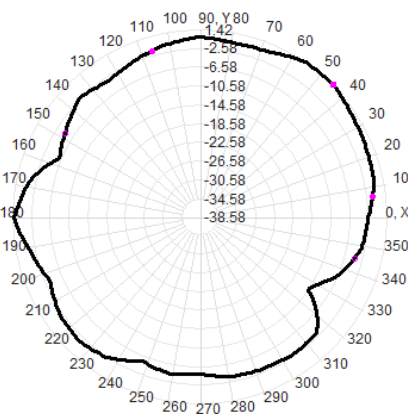
3-2 Antenna 2D Radiation Pattern



E1-XZ



E2-YZ



H-XY

4. Active test data

Channel	Measurement	Total
1	TRP	18.22
6	TRP	17.58
11	TRP	16.22
1	TIS(EIRP)	-86.31
6	TIS(EIRP)	-86.87
11	TIS(EIRP)	-88.56

5. Antenna installation diagram

