

# AIXingHua Electronics Co., Ltd

## Antenna Specification for Approval

Customer Name: \_\_\_\_\_

Product Name: \_\_\_\_\_ 2.4G antenna

Product Name:\_\_\_\_\_

Part NO.: \_\_\_\_\_ trace antenna

Write By: \_\_\_\_\_ Mr. Y u

Issued Date:\_\_\_\_\_ 2025-07-25

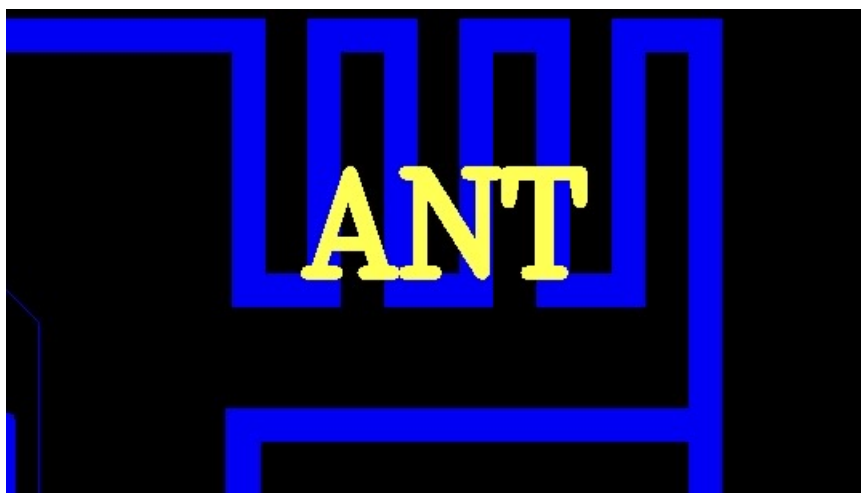
### customer:

R&D Dept	Business Dept	Approved By

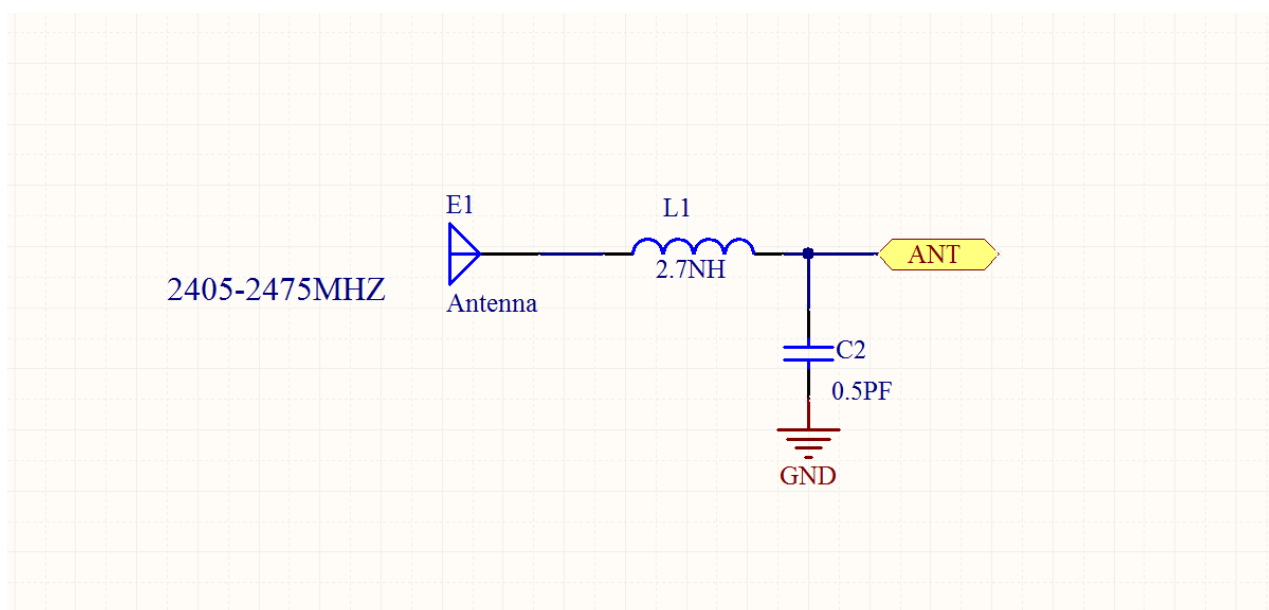
### supplier

R&D Dept	Engineer Dept	Approval

## 1 . Dimensions



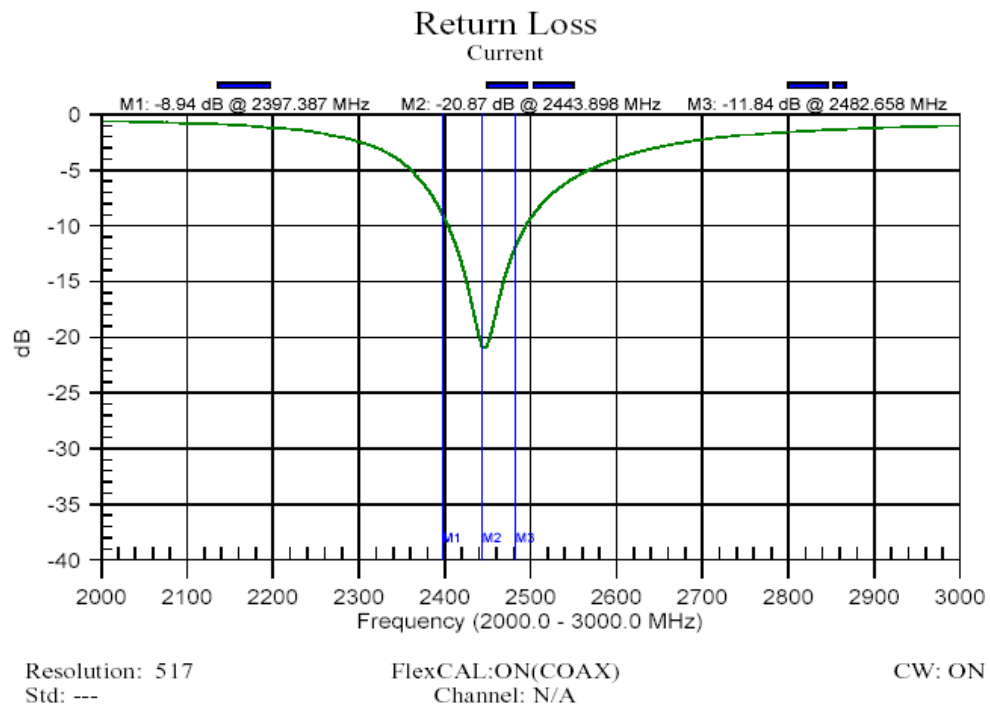
Match Network



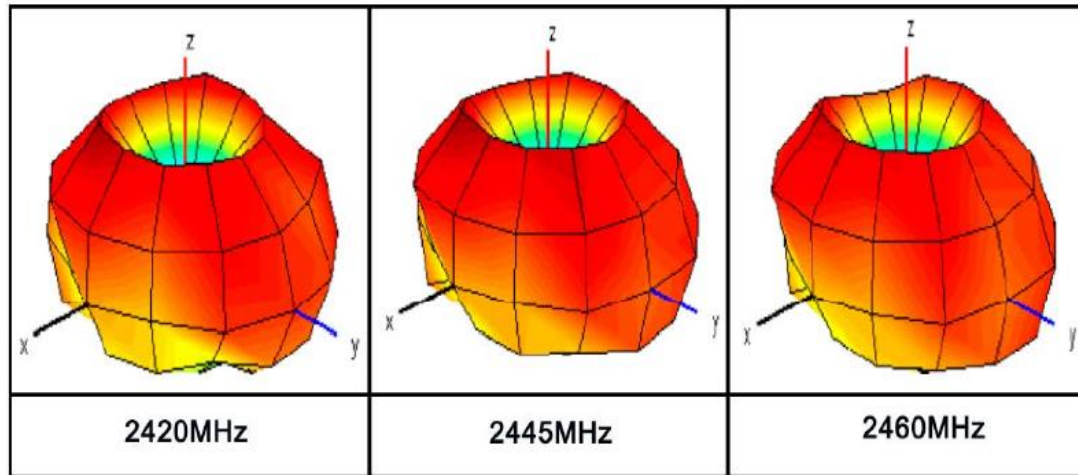
## 2. Electrical Characteristics

No.	Item	Specifications
1	Working Frequency	2400~2500MHz
2	Gain	0dBi
3	V.S.W.R (in BW)	<2.0
4	Polarization	Linear
5	Azimuth Beam width	Omni-directional
6	Impedance	50 $\Omega$

## 3. Return Loss and Smith Chat



### 3D Radiation Pattern



Frequency (GHz)	2.4GHz	2.41GHz	2.42GHz	2.43GHz	2.44GHz	2.45GHz	2.46GHz	2.47GHz	2.48GHz	2.5GHz
Efficiency(dB)	-5.1	-4.81	-4.60	-4.19	-4.00	-4.10	-3.78	-3.69	-3.81	-3.51
Efficiency(%)	52.98	55.36	58.09	63.39	66.01	65.09	70.01	70.26	68.74	73.51
Pick Gain (dBi)	0.00	-0.07	-0.11	-0.05	-0.01	-0.15	-0.03	0.00	-0.06	-0.10

