

SPECIFICATION FOR APPROVAL

CUSTOMER NAME: Cool vision technology

PRODUCT NAME: 2.4G antenna copper tube

SUPPLIER NAME: Ronghua Communication

Part NO.: 11000095



Antenna trademark: _____

Researchers staff: Li Shan

Engineer engr: Zhang san wei

Antenna Type: Wire antenna

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Lu Shengxiong	
APPROVED BY:	Rong Xinhui	
DATE:	2022-03-20	

Contents

Item Description

1. Specification table
2. Finished product figure
3. Test report

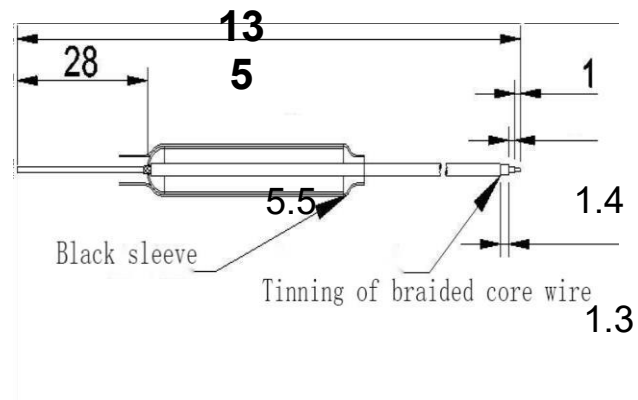
1. **Specification table:**

Main technical parameters of the product

Main technical specifications	
Frequency Range (MHZ)	2400~2500
Impedance(Ω)	50
Gain(dBi)	2.31
VSWR	≤ 1.92
Admitted Power	10W
Polarization	Linear, Vertical
Connector Type	RF Cable
Physical Properties	
Antenna Base	Brass
Operating Temp	-20°C~+65°C
Storage Temp	-30°C~+75°C

2. Finished product figure:

CO: mm



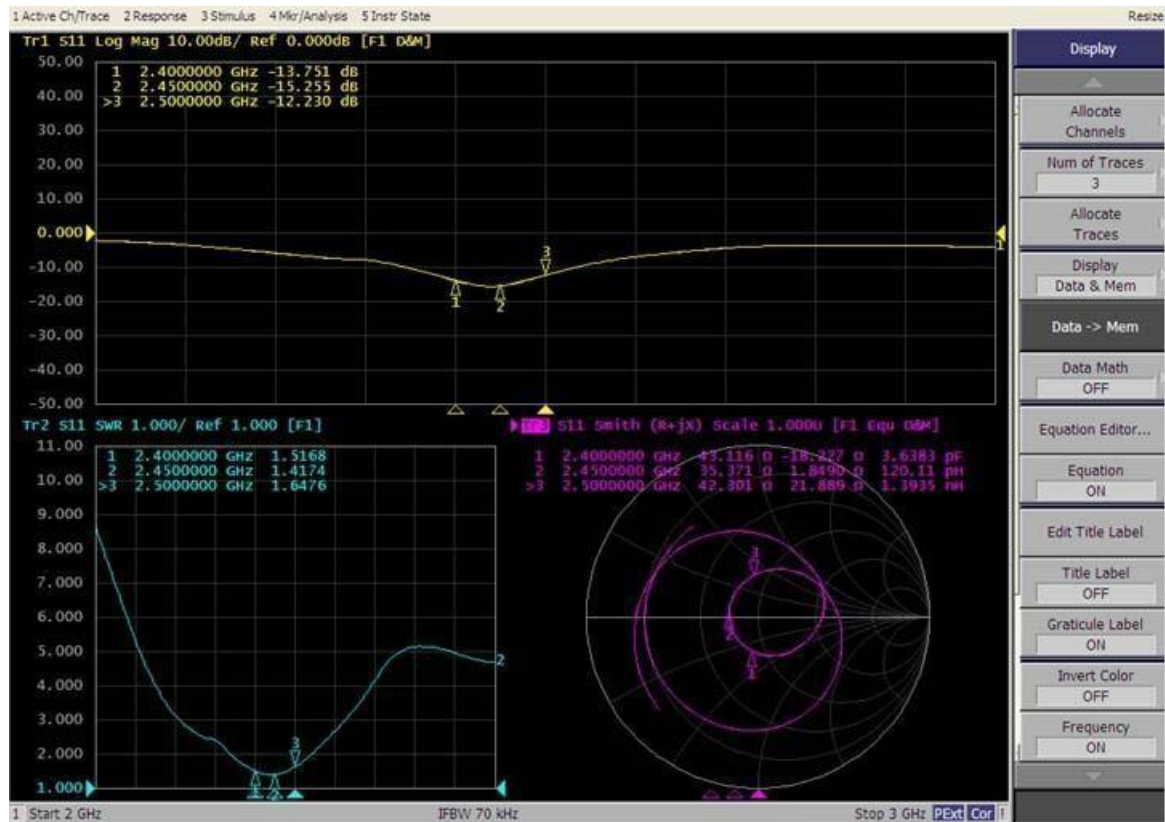
Bullet copper pipe (4.0 casing 300V thin)



3. Test report:

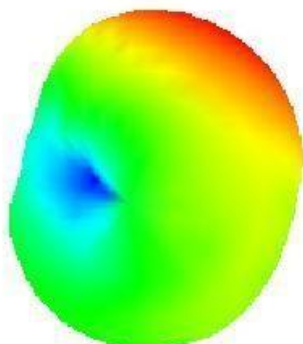
CO: mhz

3.1 : Network analyzer test report



3.2 : 2D, 3DRaditation Pattern(Whole machine data)

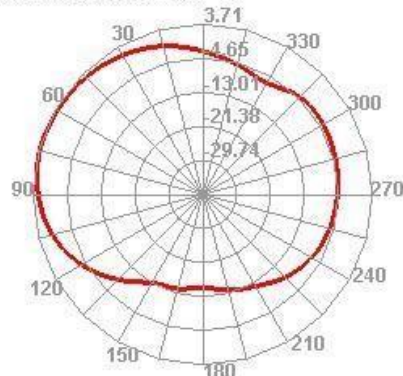
2400.000MHz



2.4GHz

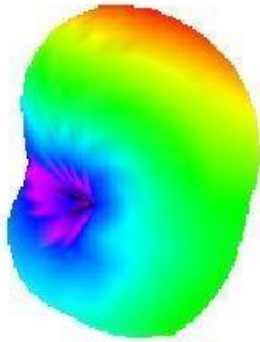
Gain: 2.12dBi

2400.000MHz H



Efficiency:53.12%

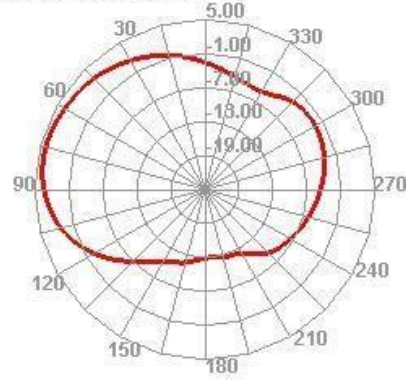
2450.000MHz



2.45GHz

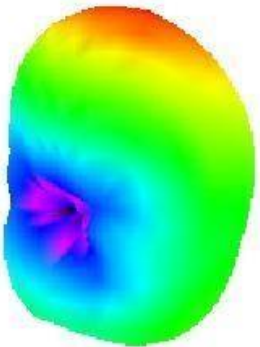
Gain: 2.31dBi

2450.000MHz H



Efficiency: 55.47%

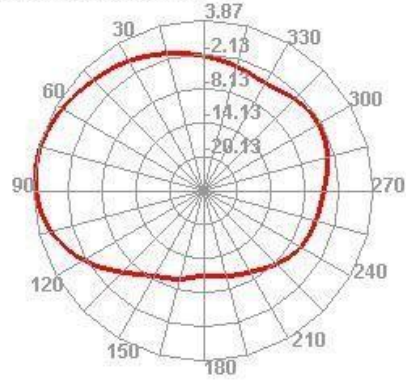
2500.000MHz



2.5GHz

Gain: 2.25dBi

2500.000MHz H



Efficiency: 54.15%

效率增益(2400-2500MHZ)

Efficiency	ANTO		
	Frequency	Efficiency	Gaingaining Plus
	2400	51%	2.9
	2410	52%	2.9
	2420	53%	3.1
	2430	55%	3.1
	2440	62%	3.5
	2450	62%	3.5
	2460	60%	3.4
	2470	60%	3.2
	2480	51%	2.9
	2490	50%	2.8
	2500	49%	2.8