

Project :Y220927099

Date.2023.10.31

REV: A1

Antenna SPEC

Customer name: 珠海蔚科Customer project: B-8 无线系列

Customer P/N: _____

B&T P/N: 74220163Spec.: internal antenna -2.4G-Black-1.13 wire-terminal-L=90mm-
shrapnel-48×11.1×5.1mmManufacturer:Zhongshan Boantong Communication Technology Co. , LtdAddress: Floor3-4, Block A, Dong Fang Industrial park, Da che country,
Nan Lang District ; Zhong Shan City Guang Dong, China

Sealed by corporation:

compilation	verify	approval
Huangfeihui	Liulihua	Liulihua

Sealed by customer:

check	verify	approval

Contact information of B&T:

Contact person for sales: Chenyadong	MB:18675581971	E-mail: chenyd@tech-now.com
Contact person for technical: Liulihua	MB:13590104459	E-mail: liulh@tech-now
Contact person for Quality: Zengkang	MB:18188400229	E-mail: zengk@tech-now.com

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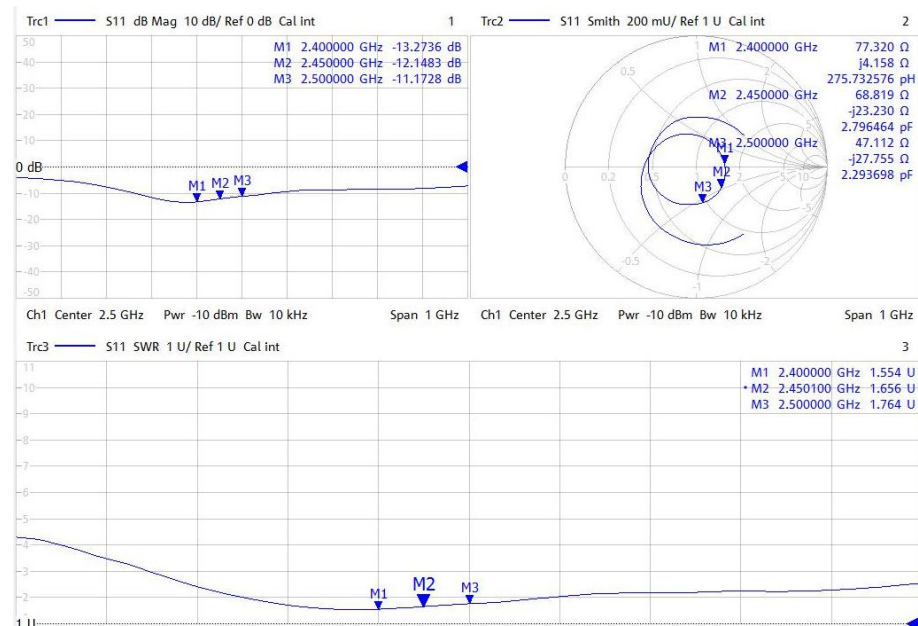
3、 Product drawing

4、Properties ¶meter

Electrical Parameter	
Freq Range	2400~2500MHz
Characteristic Impedance	50 Ω
Used in machines VSWR	sample of reference project
The Max input power	<10w
Polarization mode	Polar linearization
Radiation mode	Omni directional
Connector style	terminal
Mechanics Properties	
Length	90 \pm 3mm
Maintain the force	\geq 1kgf
Coaxial cable	Black 1.13 wire
Salt spray test	24H
Environment parameter	
Operating Temp	-30 $^{\circ}$ C~65 $^{\circ}$ C

5、Electrical test report (Fitting machine test)

S11 Parameter



Electrical Performance Test Parameter Table

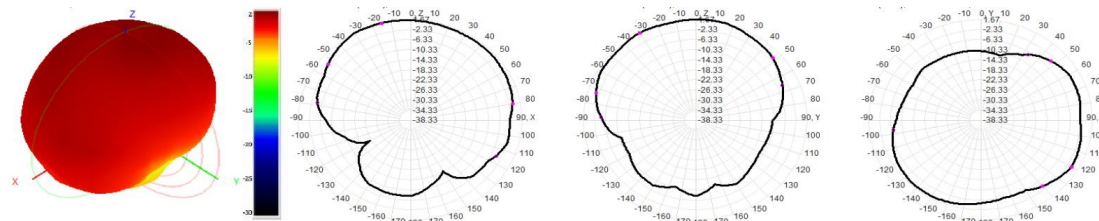
Freq/GHz	2.4	2.45	2.5
VSWR	1.55	1.65	1.76

Gain & efficiency

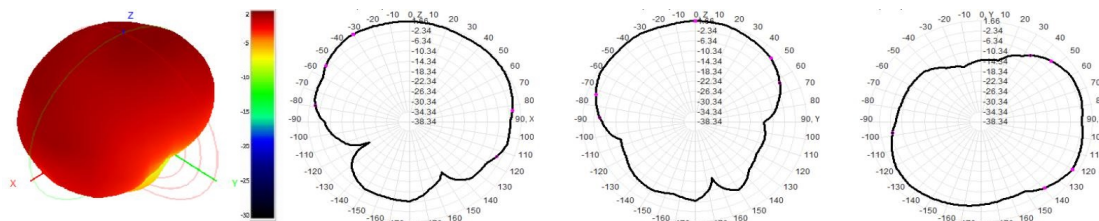
Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400.0	1.89	49.08
2410.0	1.95	49.97
2420.0	1.96	49.07
2430.0	2.01	50.04
2440.0	2.22	51.42
2450.0	2.31	51.72
2460.0	2.43	52.10
2470.0	2.31	52.48
2480.0	2.33	51.59
2490.0	2.29	50.98
2500.0	1.85	49.22

Direction diagram

2. 4G (Gain:dBi)



2. 45G (Gain:dBi)



2. 5G (Gain:dBi)

