

SPECIFICATION FOR APPROVAL

CUSTOMER: Shenzhen Ai-Thinker Technology Co., Ltd

CUS PART NO: PB-02

PART NAME: BT Antenna

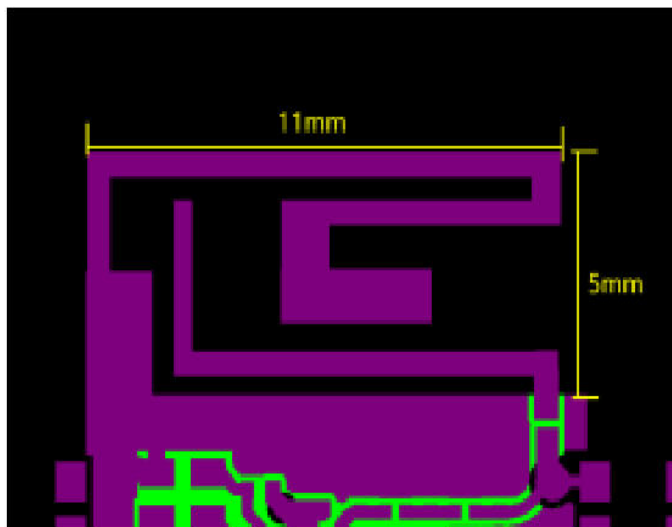
Edition: 1.0

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Product specification

1、 Product picture



2、 Performance parameter

Name	<u>BT Antenna</u>
Model Type	PCB Print Antenna
ELECTRICAL SPECTFICATIONS	
Frenquency Range	2400-2500MHz
Band Width	100MHz
Impedance	50 Ω

VSWR	< 2.0
Max Gain	1.71dBi
Polarization	Vertical/Horizontal
Radiation	Omnidirectional
Power	50 W
MECHANICAL SPECTFICATIONS	
Connector	Welding type
Working Temperature	-40°C - + 85°C
Limit Temperature	-40°C - + 125°C

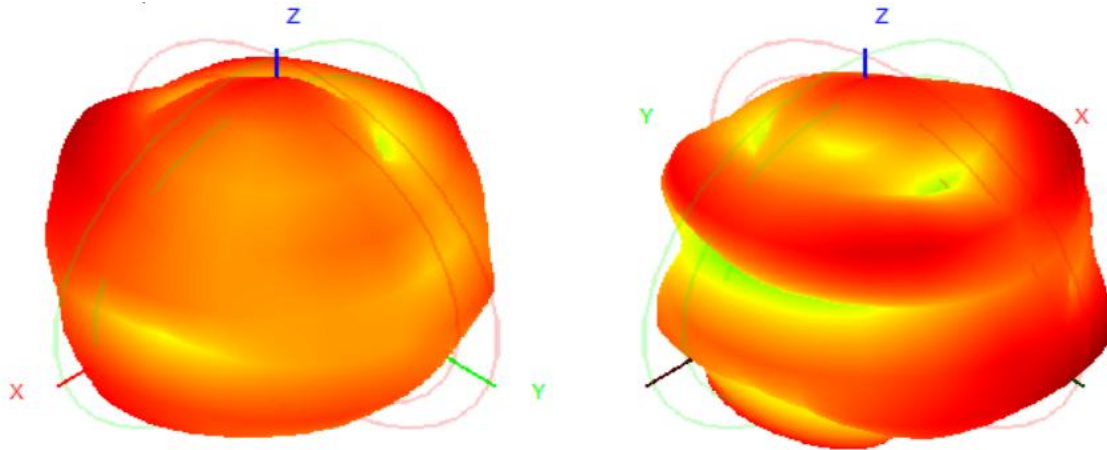
3、VSWR



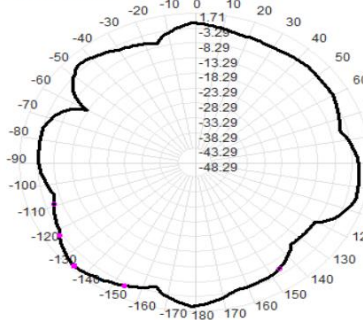
4、Passive test data:

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.24	1.34	1.53	1.48	1.60	1.71	1.54	1.44	1.42	1.11	1.06
Efficiency (%)	39.97	41.15	43.09	42.53	43.52	44.86	43.84	44.05	44.86	42.31	42.69

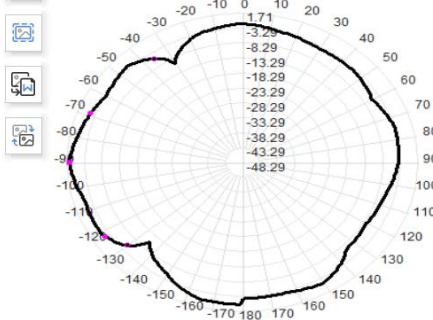
5、Radiation pattern



2450.0MHz Total(E1-XZ), Max= 0.45dBi



2450.0MHz Total(E2-YZ), Max= 0.98dBi



Total(H-XY), Max= 1.71dBi, CirD=10.02

