



bear recognize book

SPECIFICATION FOR APPROVAL

Guest name

CUSTOMER NAME:

Customer

material
number

P/N:

CUSTOMER

Product

material
number

P/N:

BZBT000005A

PRODUCT

Product name

PRODUCT

NAME:

On-board BT-24 antenna

Specification

description:

BZBT000005A/ onboard BT-24 antenna

Description:

version

Rev: version

a

出厂签章

SIGN	核准 APPROVED BY	审核 CHECKED BY	制作 DRAMN

客户签章

SIGN	品质 QE	开发 R&D	工程 PE



Contents

<i>Item</i>	<i>Description</i>
One,-----	Change resume
Second,----- Table	Specification
Third,----- drawing	Product physical
Fourth,-----	test report



I. Revision History:

版本号 Reversion	修订页面 Revision page	变更日期 Change date	修订人 Revised by	修订原因及内容 Reason and content for revision	备注 Remarks
A	-	2026.8.18	EVIEN	初版发行	

Description:

This specification is valid for 1 year in principle;

If either party needs to modify it, it must be agreed by both parties through consultation before it can be implemented;

After the expiration of the term of this specification, if neither party puts forward a request for revision, the term of this specification shall be extended for one year.



Second, Specification Table (specification table):

Main technical parameters of products

the key technical indexes		Main technical specifications	
frequency range (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
Characteristic impedance (Ω)	50	Impedance(Ω)	50
Gain (dBi)	2±1	Gain(dBi)	2±1
Output voltage standing wave ratio	≤2.0	VSWR	≤2.0
Polarization mode	Linear polarization	Polarization	Linear
directionality	Omnidirectional	Radiation	Omni-directional
physical property		Physical Properties	
Antenna material	PCB	Antenna cover	PCB
Working temperature	-20°C~+70°C	Operating Temp	-20°C~+70°C



东莞市中易达电子科技有限公司

Dongguan ZYD Electronic Technology Co., Ltd.

Preservation temperature	-20°C~+60°C	Storage Temp	-20°C~+60°C
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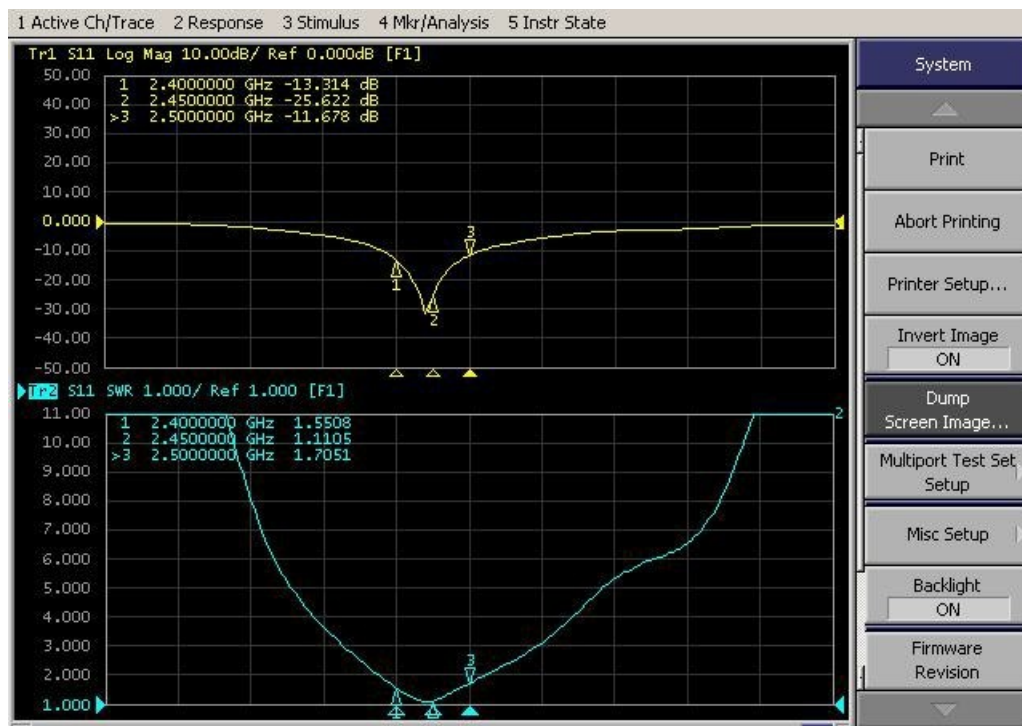


Third, the Product drawing:



Four, Testreport (test report):

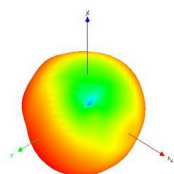
4.1: Test Report of Network Analyzer



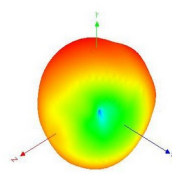
4.2: Darkroom 2D, 3DRaditation Pattern



Frequency (MHz) : 2400

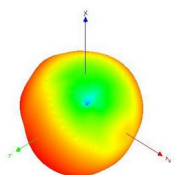


Frequency (MHz) : 2400

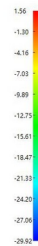
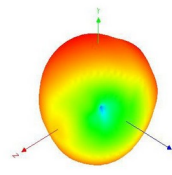


2400MHz

Frequency (MHz) : 2410

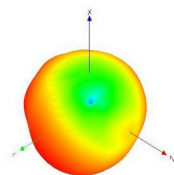


Frequency (MHz) : 2410

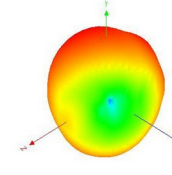


2410MHz

Frequency (MHz) : 2420

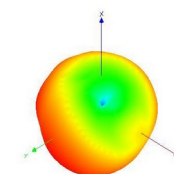


Frequency (MHz) : 2420

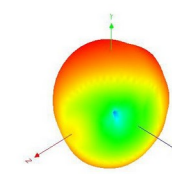


2420MHz

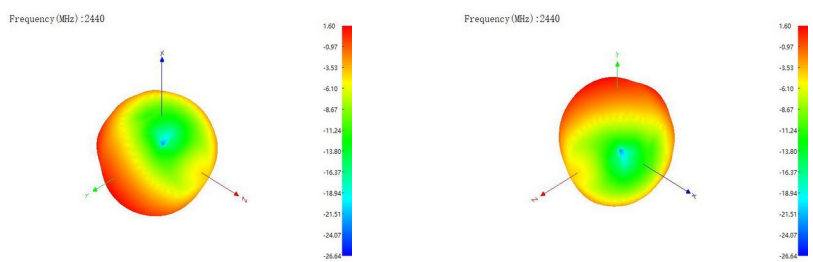
Frequency (MHz) : 2430



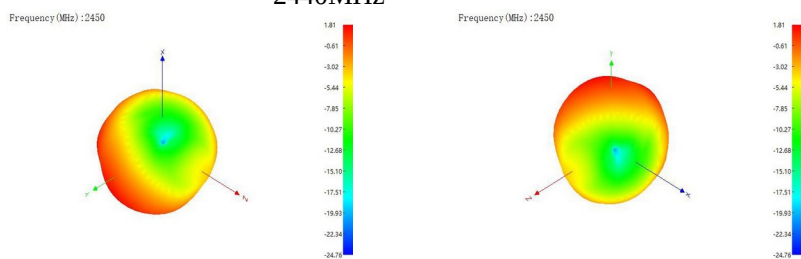
Frequency (MHz) : 2430



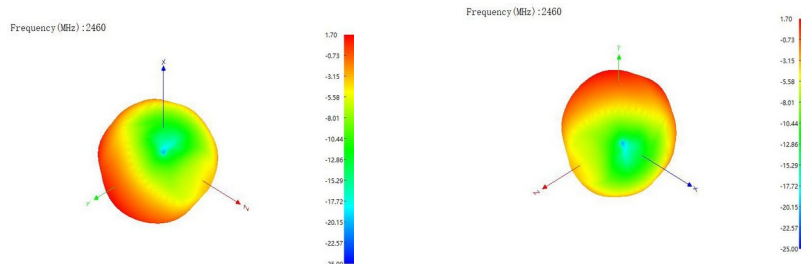
2430MHz



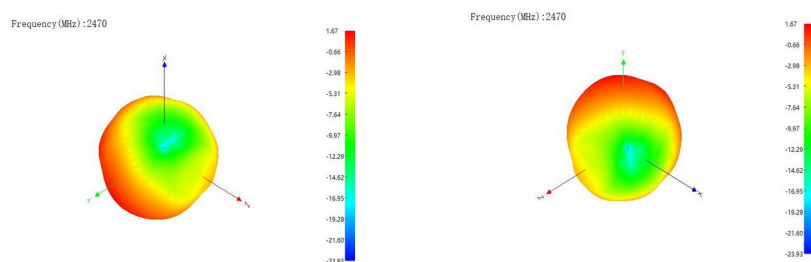
2440MHz



2450MHz



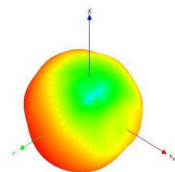
2460MHz



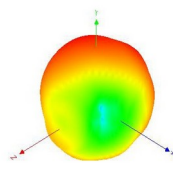
2470MHz



Frequency (MHz) : 2480

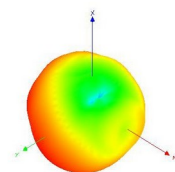


Frequency (MHz) : 2480

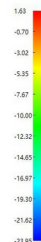
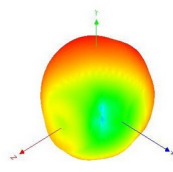


2480MHz

Frequency (MHz) : 2490

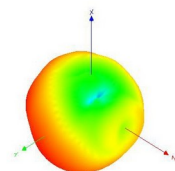


Frequency (MHz) : 2490

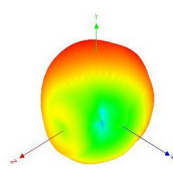


2490MHz

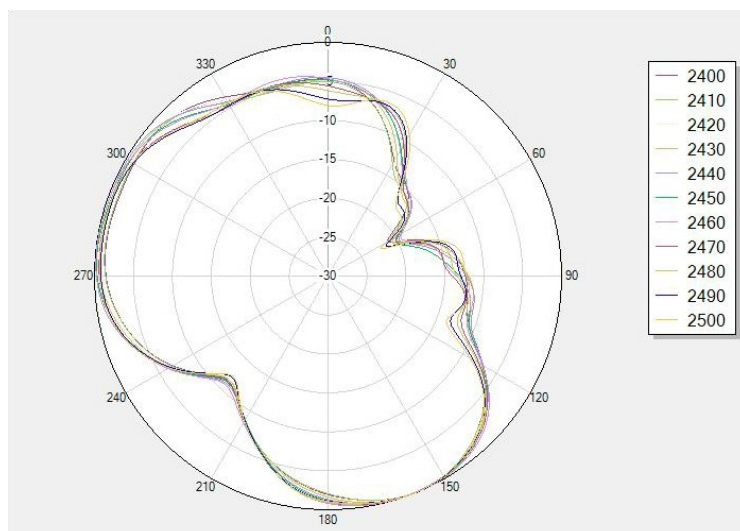
Frequency (MHz) : 2500



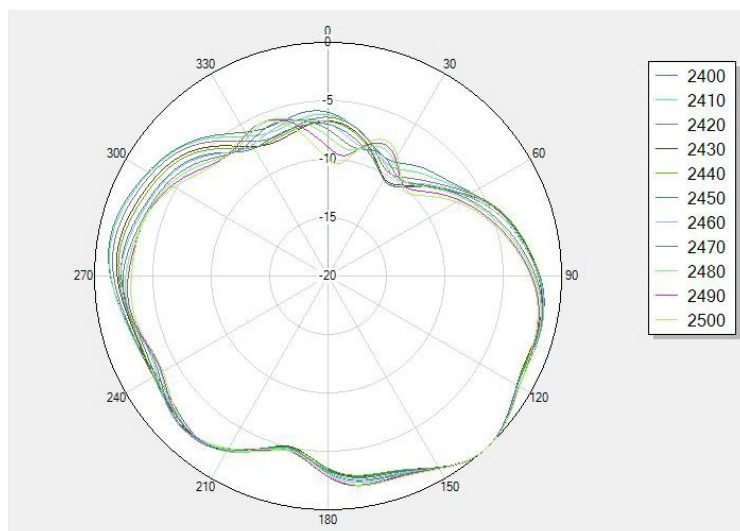
Frequency (MHz) : 2500



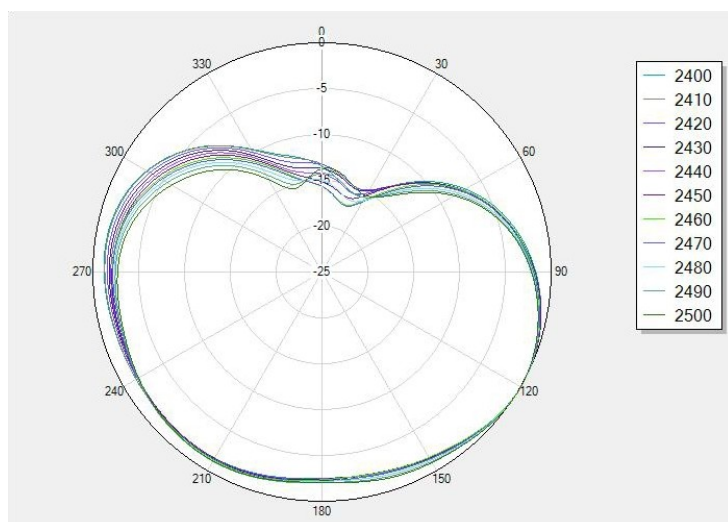
2500MHz



2400-2500MHZ-Phi 0



2400-2500MHz-Phi 90





4.3: Antenna Gain and Efficiency

ANT		
Frequency (MHZ)	Gain (dBi)	Efficiency (%)
2400	1.37	57.28
2410	1.56	59.43
2420	1.58	58.21
2430	1.89	59.84
2440	1.60	57.41
2450	1.81	58.48
2460	1.7	56.75
2470	1.67	55.72
2480	1.63	54.7
2490	1.63	53.7
2500	1.5	51.17