

# 天线样品承认书

## The Main Antenna Sample Confirmation

客户名称 Customer	Shenzhen ADDX Innovation Technology co. ,LTD.		
项目名称 Project Name	CB160-C	日期 Date	2023-11-20
物料编号 Project NO.	SN1045	Type Notes	steel plate antenna
频段 Frequency Range	WIFI 2.4G		
设计 Designed By	RF Engineer	Structural Engineer	
审核 Checked By	Engineering Manager		
客户确认 Client's Approval			

设计单位：司南微电子（深圳）有限公司  
Designer: SINAWELL Electronics(Shenzhen) Co., Ltd.

地址：深圳市宝安区新安 28 区大宝路 49-1 号金富来大厦 A 座 712-717  
Add: 712-717, Block A Jinfulai Building,49-1 Dabao Road,Xinan 28<sup>th</sup> area,Baoan District,Shenzhen,China

1. Specification Overview.

The specification sheet describes the condition of the built-in CB160 antenna, which operates in the 2.4G WIFI frequency band.

2. 天线外观

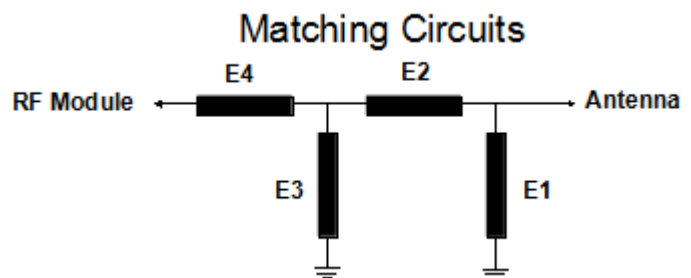


3.1. The frequency band.

	BT
发射频(MHz)	2400MHz-2500MHz

3.2. matching circuit

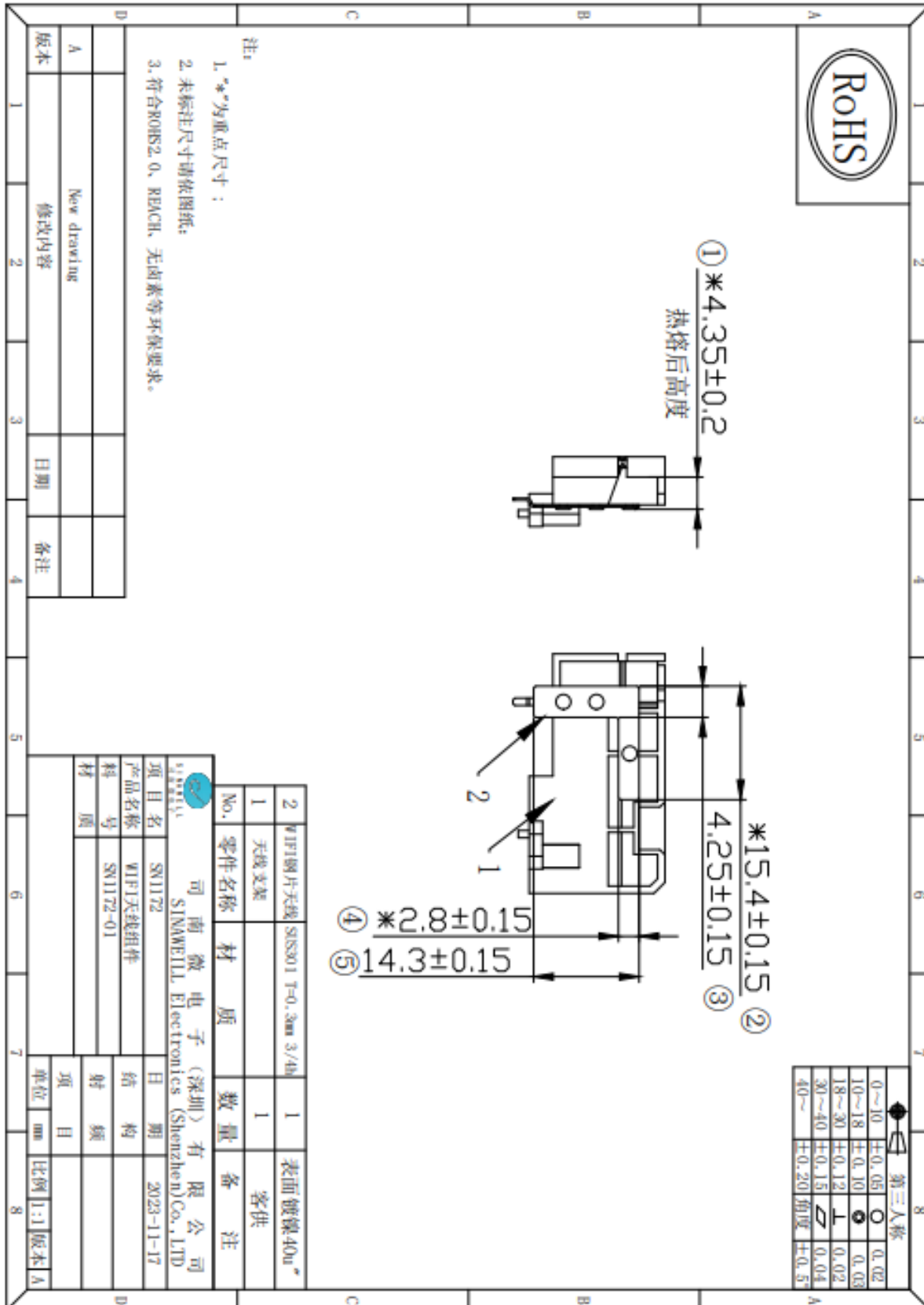
Element	Value
E1(0201)	NC
E2(0201)	0 欧姆
E3(0201)	NC
E4(0201)	0 欧姆



4.1. Antenna Type

- Appendix 1: Architectural drawing
- Appendix 2: OTA Data

Appendix 1



Appendix 2

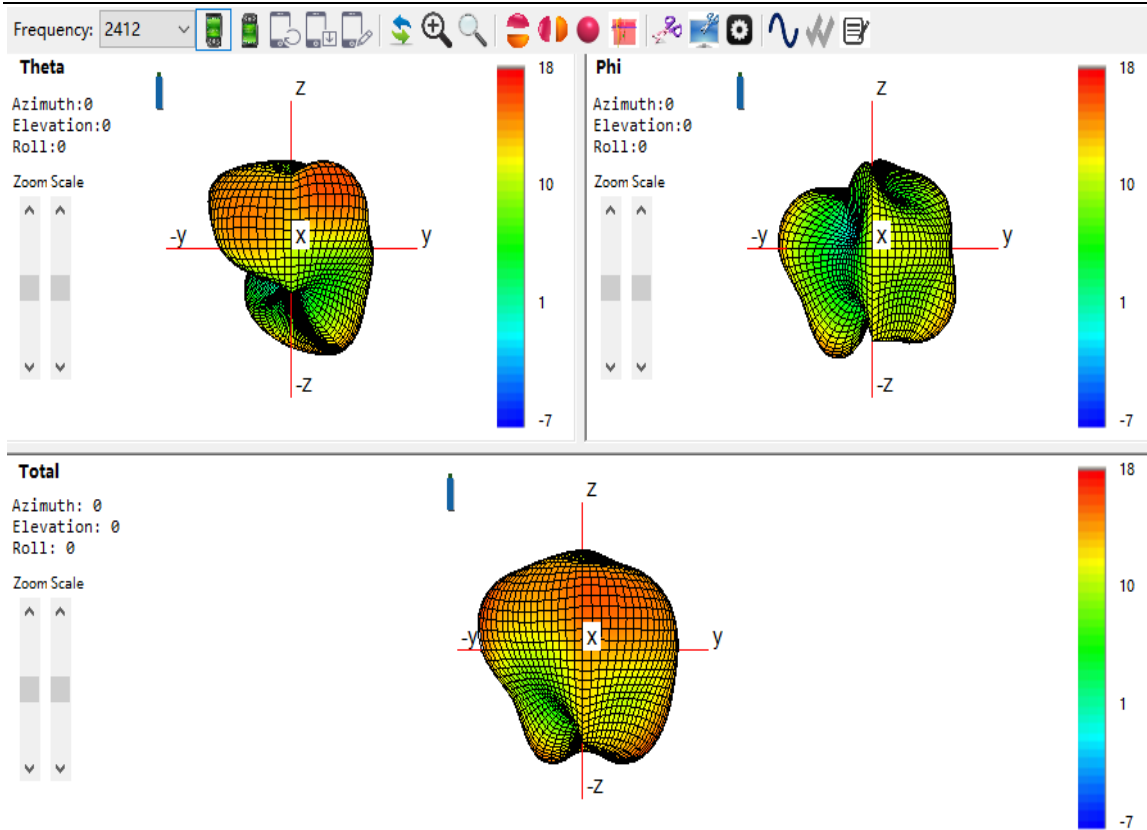
Efficiency testing data.

Passive Test For wifi			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	24.05	-6.19	-1.55
2410	24.59	-6.09	-1.62
2420	25.23	-5.98	-1.7
2430	25.84	-5.88	-1.83
2440	26.89	-5.7	-1.85
2450	27.51	-5.61	-1.81
2460	28.36	-5.47	-1.69
2470	23.68	-6.26	-2.44
2480	25.03	-6.02	-1.98
2490	26.05	-5.84	-1.72
2500	27.89	-5.55	-1.51

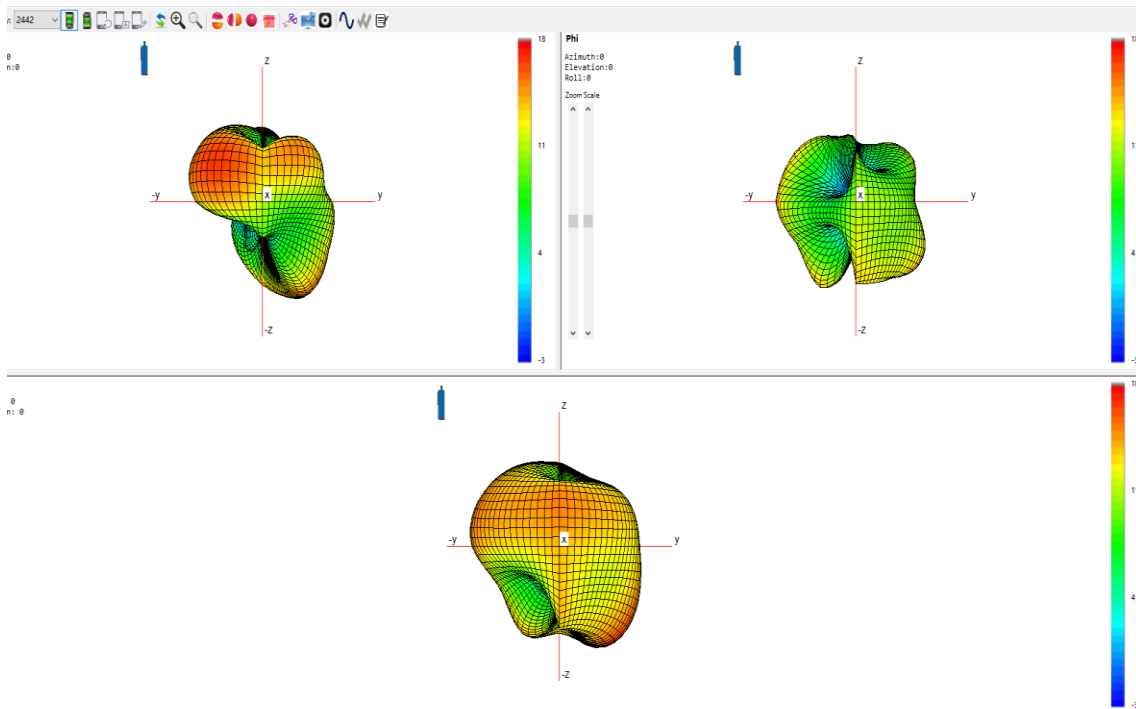
Active testing.

Band	CH	TRP	TIS	
11B	1	13.65	1	-78
	7	13.77	7	-71.1
	13	14.06	13	-78.67

2412MHz 场强图



2442MHz 场强图



2472MHz 场强图

