



# SPECIFICATION

## SHEET FOR APPROVAL

CUSTOMER: Cdtech
CS P/N: N0901
PART NAME: WiFi Antenna
model: SMT ANT 2/5G Size: L:11.3*W:7.8*H:3.4mm T:0.4mm SUS 304
NO.: 370.2G51100-03
DATE: 2023 - 10- 10

Han yang			
MANAGER CHECKED	ME CHECKED	RF CHECKED	DATE
Liu zhi gao	Zhang shun	Lv jun peng	2023 -10- 06

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

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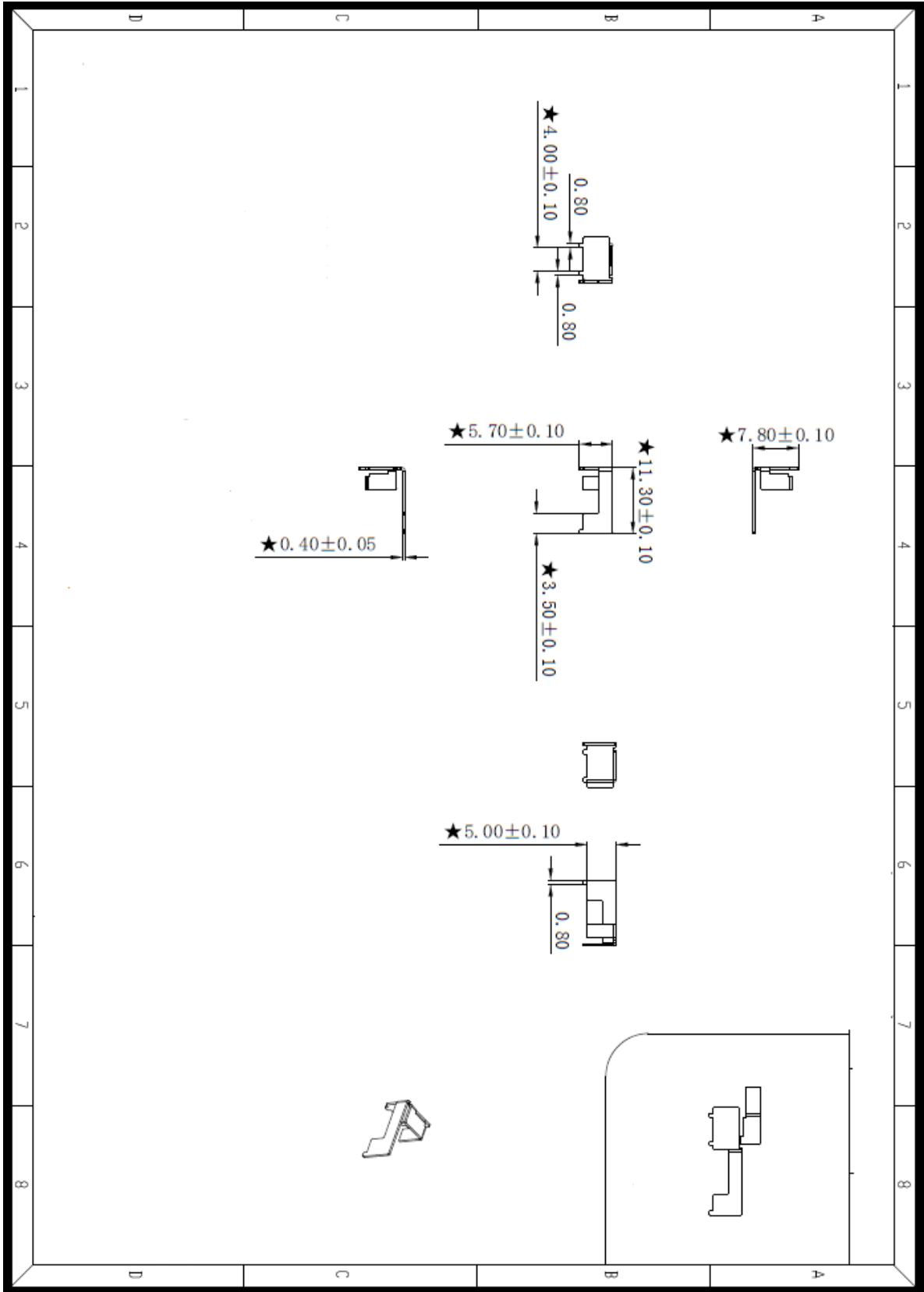


## Main technical parameters of products

<b>Electrical index</b>	
<b>Frequency Spectrum</b>	2400-2500MHz 5150-5850 MHz
<b>Characteristic Impedance</b>	50Ω
<b>VSWR</b>	≤ 2
<b>Polarization</b>	Linear Polarization
<b>Directivity</b>	Omnidirectional
<b>Operation/Storage Temp</b>	-30 ~ 75°C
<b>Physical index</b>	
<b>Antenna Material</b>	SUS 304



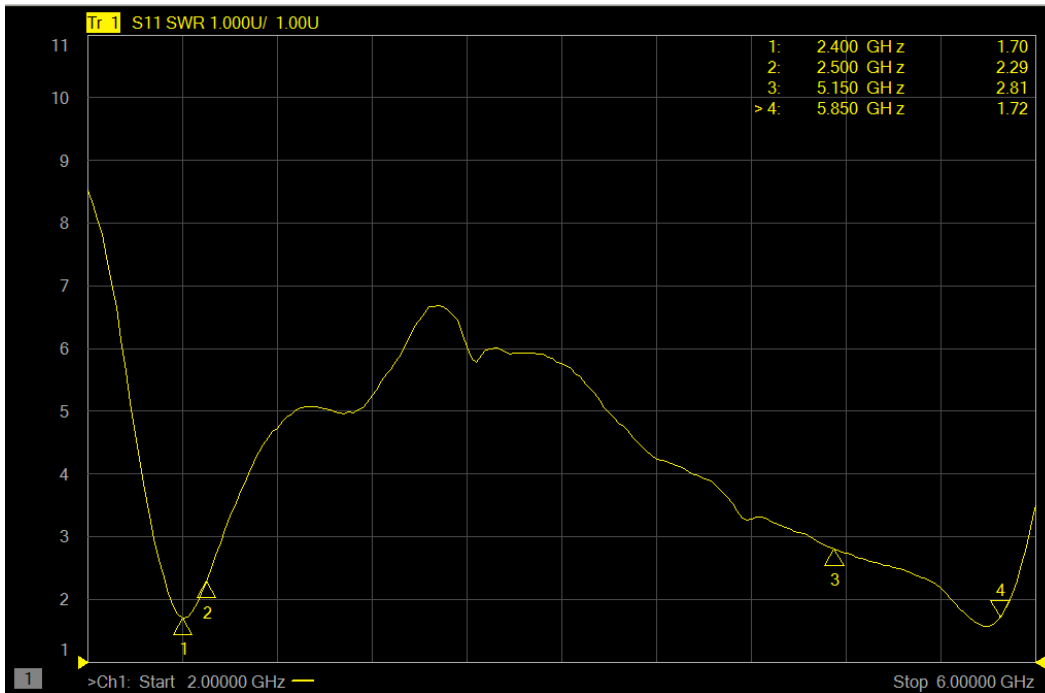
# 1. Mechanical Specification



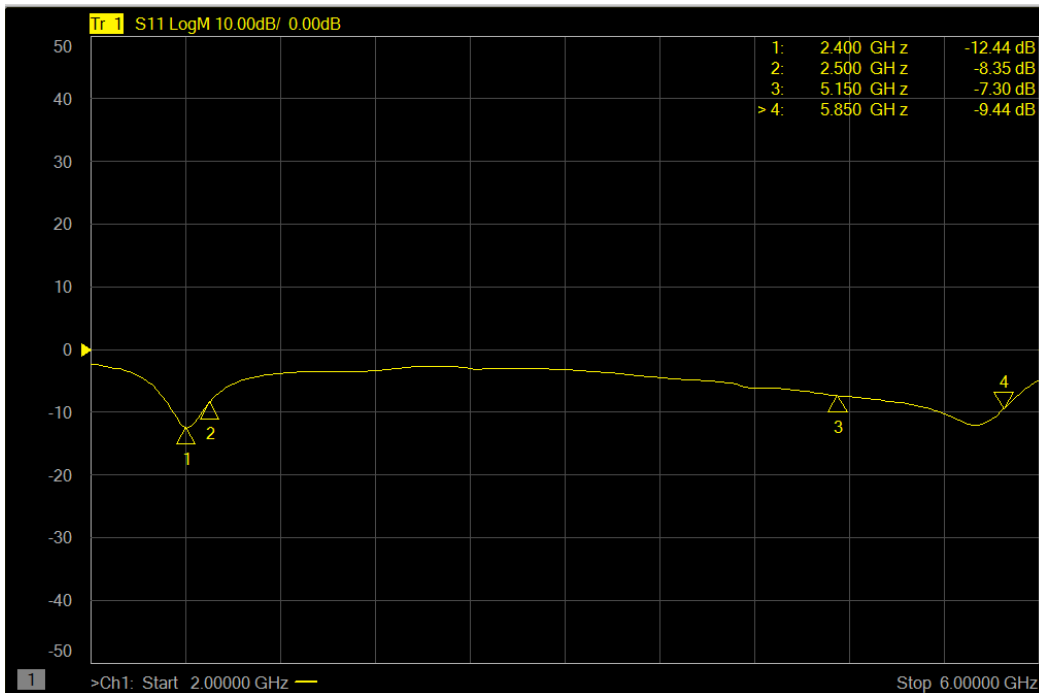


## 2. Antenna test data

### 2.1 VSWR / S-parameter



### S11





## 2.2 Efficiency & Gain

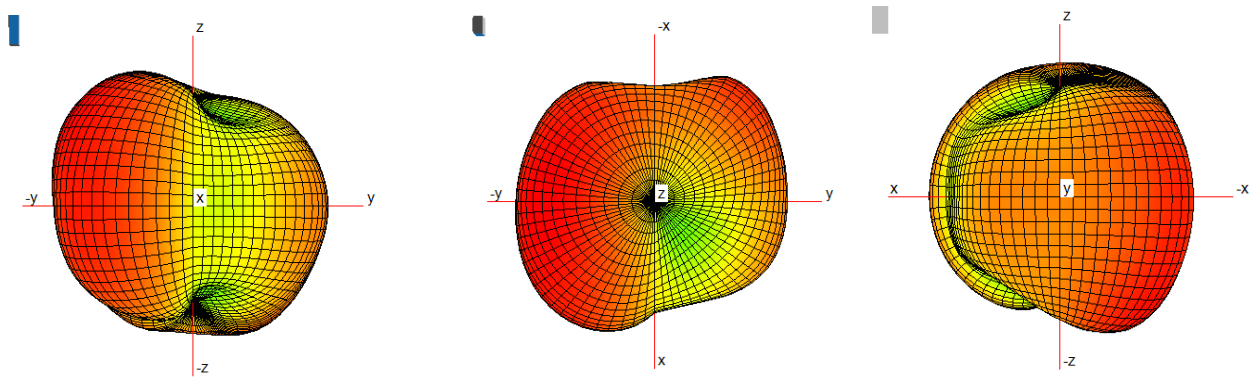
<b>Freq</b>	<b>Efficiency_ dB</b>	<b>Efficiency_ Pcent</b>	<b>Gain(dBi)</b>
2400	-2.66	54.22	0.61
2420	-2.74	53.27	0.62
2440	-2.76	52.92	0.67
2460	-2.87	51.63	0.66
2480	-2.98	50.32	0.6
5150	-3.66	43.1	0.97
5350	-3.31	46.72	1.35
5500	-3.12	48.71	1.54
5650	-2.9	51.27	1.88
5850	-2.99	50.27	2.24



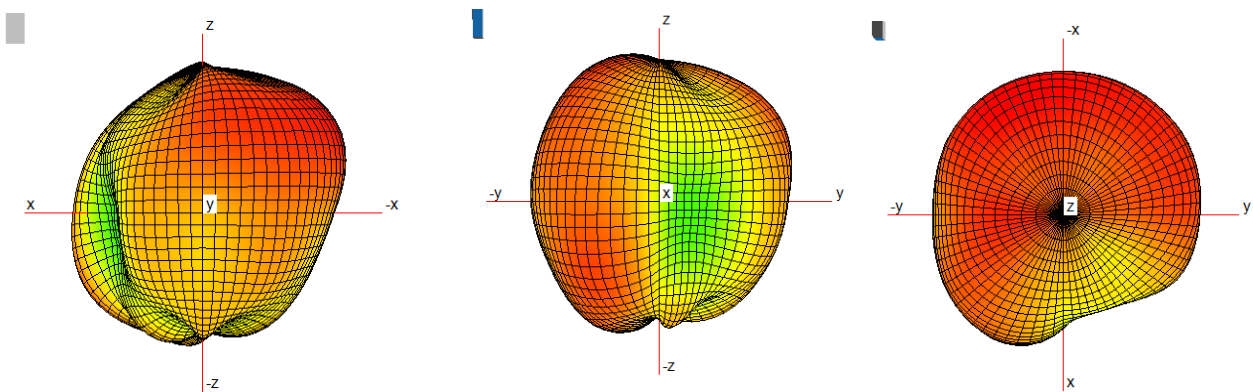
## 2.3 3D Radiation Pattern



2450MHz



5550MHz







### 3. Packing

**Packing Criterion**

1、 Labeling requirements)

订单号	PH-2019-0621	
料号	110000000-01	
规格型号	1500*1500*1.5mm 1500*1500*1.5mm (2层)	
数量	4000pcs	
批次号	HPC0001000	
出货日期	2023-12-08	

XXXXX/XXX.XXXXXX-XX/XXXXXX

批次号或周期码 ←

中间 15 位表示为中龙通料号,"-"为中划线 ←

"X"后为供应商产品料号(型号) ←

2、 (Encasement requirements)

Determine the quantity / PCS / plate according to the actual packaging.

Determine the quantity / PCS / box according to the actual packaging.

matters need attention:

1. Matters needing attention:
2. Whether to add clapboard and pearl cotton;
3. Labeling, such as RoHS;

标准数量 1500x4



## 4. Environmental Protection

Meet the requirements of ROHS2.0 standard, meet the requirements of European RHOS\REACH, meet the requirements of China RHOS\REACH, and lead-free electroplating. ◦