

Gsou Technology (Shenzhen) Co., Ltd.

Address: 1246, Jiaxiye Plaza, Minzhi Avenue, Longhua District, Shenzhen
電話: 86-755-8326-6570 传真: 86-755-8325 5400

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V3M 蓝牙天线样品承认书

BT Antenna Product Approval

时间: 2025-10-20

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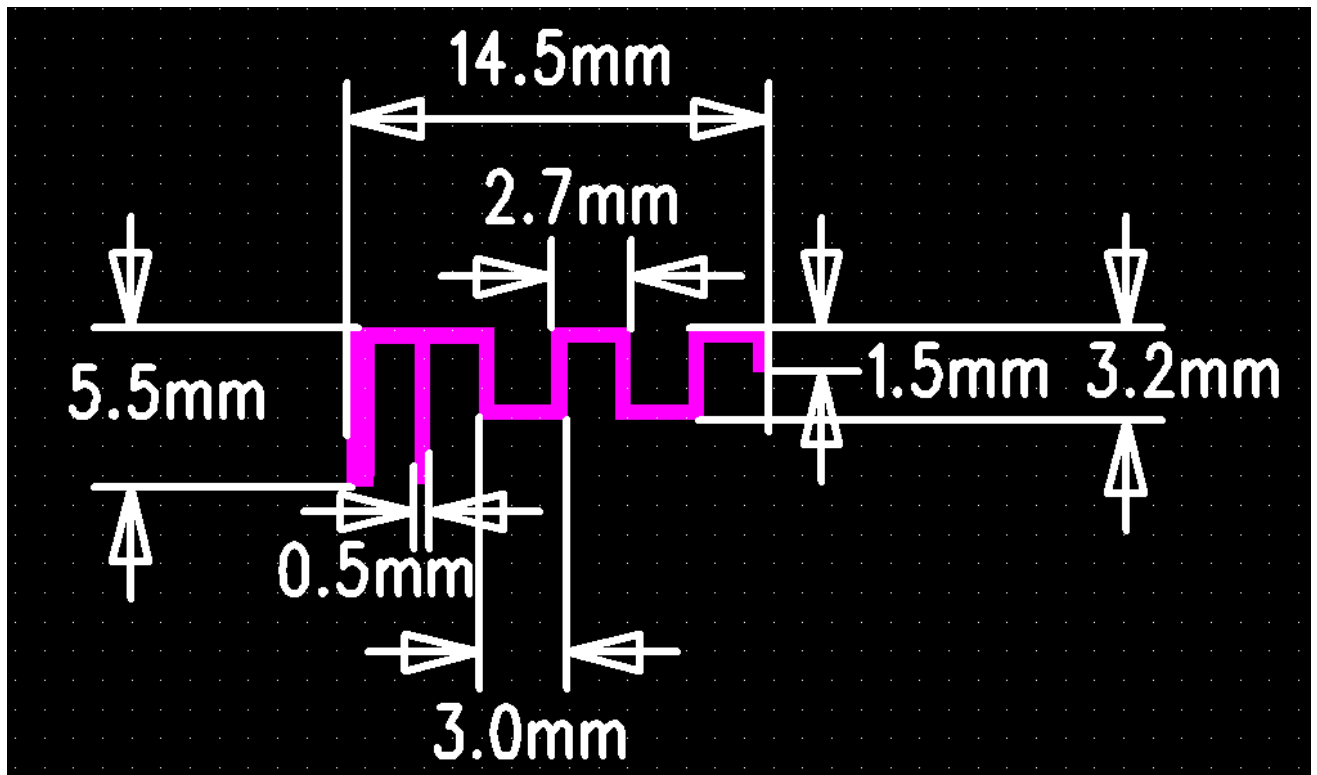
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一、Antenna Introduction

Our company's Bluetooth antenna is directly fabricated onto the PCB board. The antenna is made using a copper foil with tin plating process. The copper foil thickness is H/H0Z, and the board material is FR-4 with a thickness of 1.0mm.

二、Antenna shape

1. 尺寸图 : 14.5*5.5*2.7*0.5mm



2. 实物图:



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三、Antenna parameter

蓝牙内置天线	
Frequency (MHz)	2400 ~ 2500 MHz
VSWR	≤ 1.53
Impedance	50 Ohm Nominal
Radiation	Omni-directional
Gain (Peak)	0.75 dBi
Polarization	Linear, Vertical
Admitted Power	2W
Connector	Tin

四、Antenna Gain Test Report

Spectrum Detector:	PK	Test Date :	Oct 15, 2025
Test By:	Andy	Temperature:	28°C
Test Result:	PASS	Humidity :	55 %
Modulation:	GFSK		

最大增益值

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Frequency (MHz)	Gain(dBi)
2400	0.75
2410	0.47
2420	0.28
2430	0.22
2440	0.17
2450	0.06
2460	-0.23
2470	-0.53
2480	-0.55
2490	-0.61
2500	-0.52

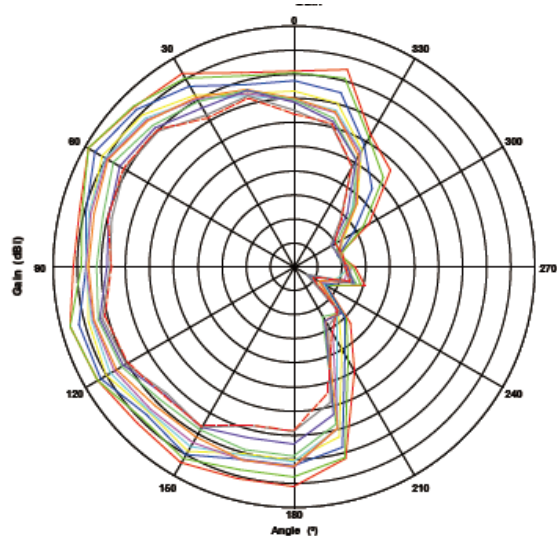
五、 Directional diagram

2D Radiation Pattern

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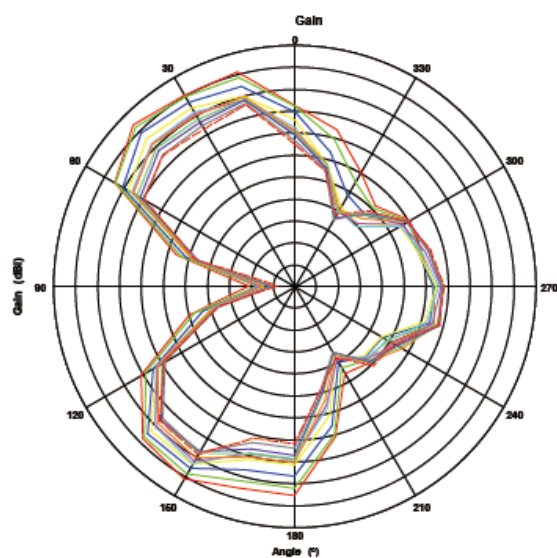
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Max: -1
Min: -11
Scale: 1dB



Phi=0°

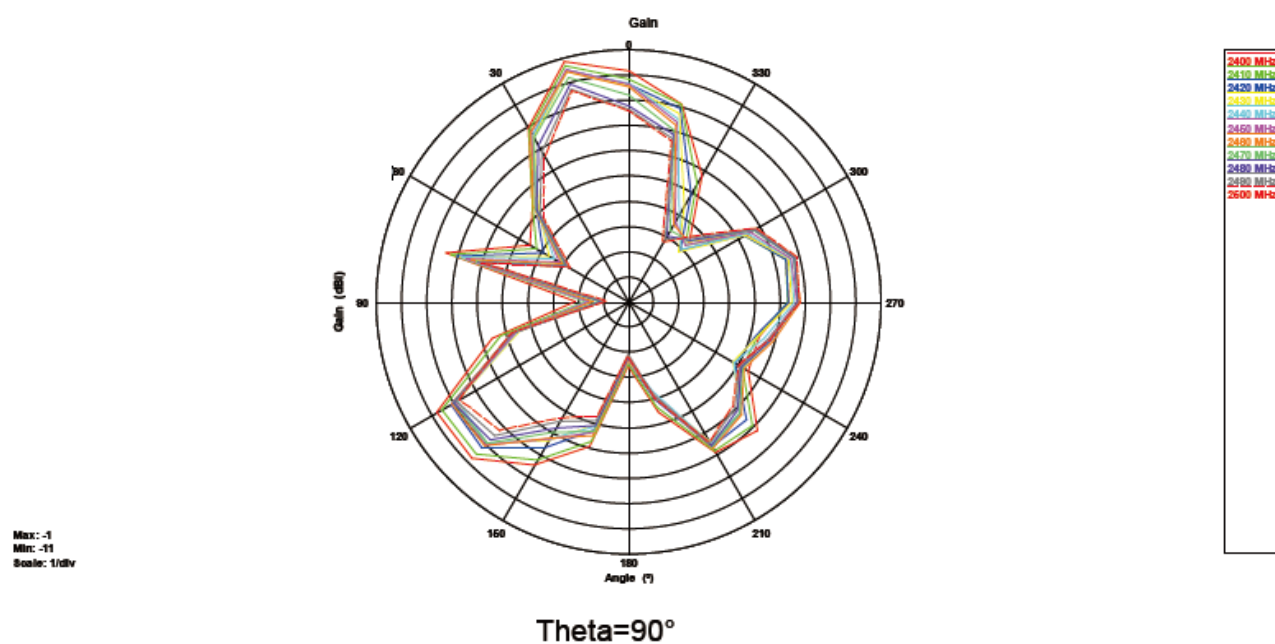
Max: 0
Min: -11
Scale: 1dB



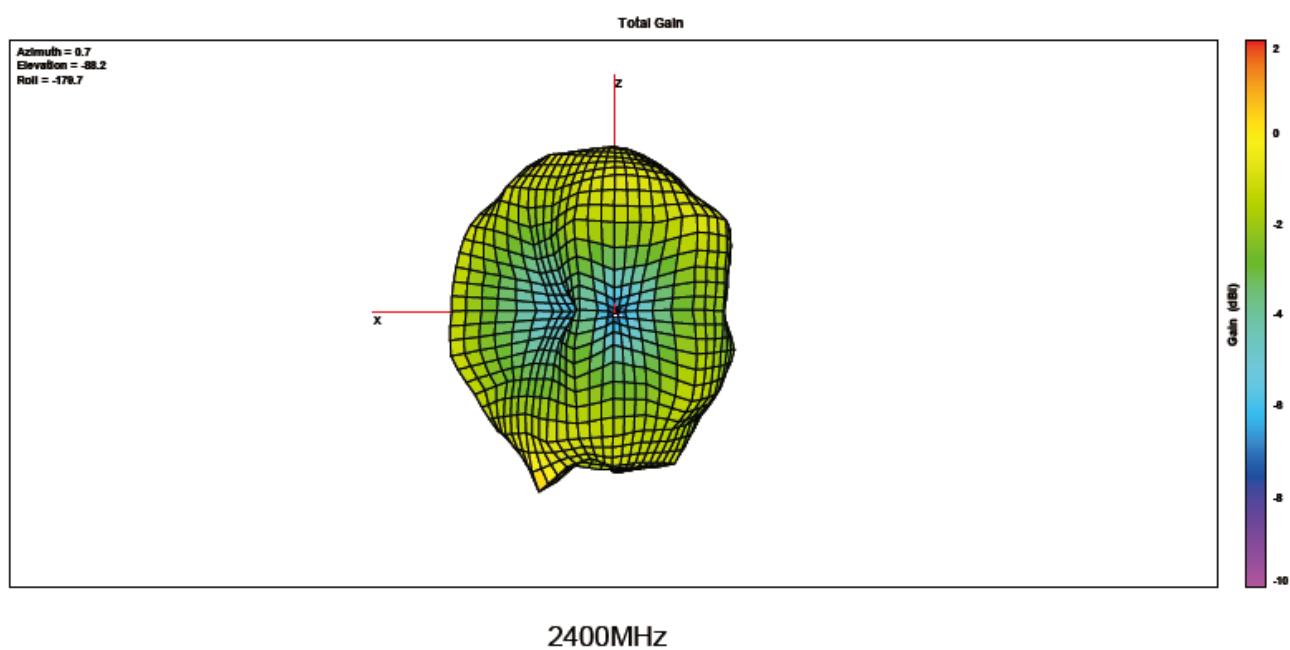
Phi=90°

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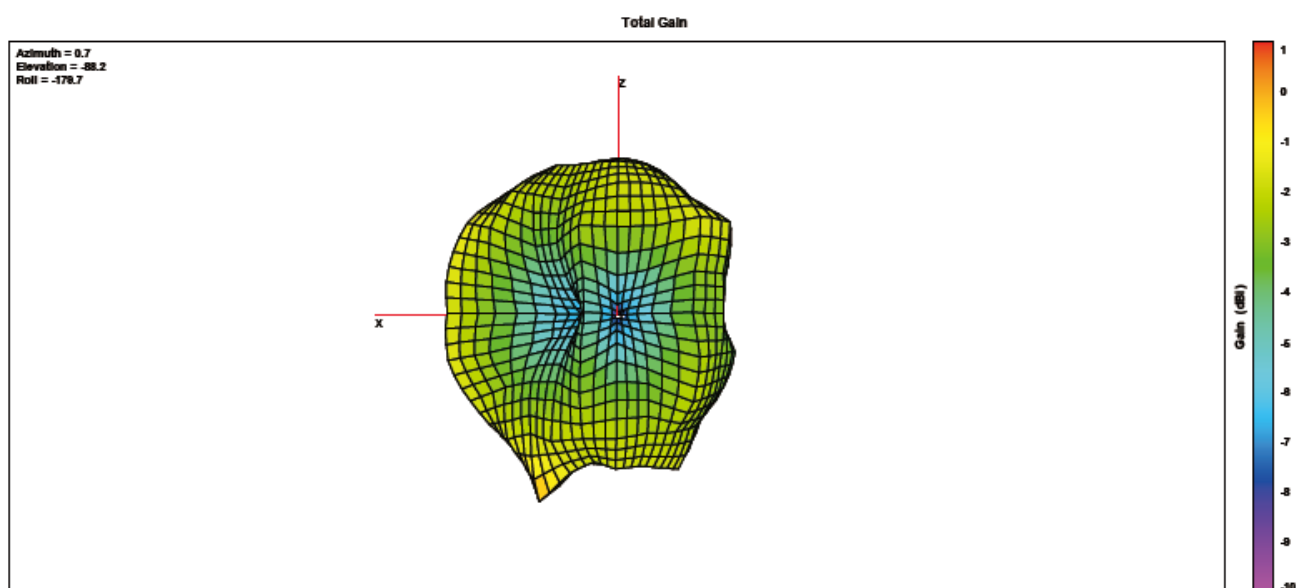


3D Radiation Pattern

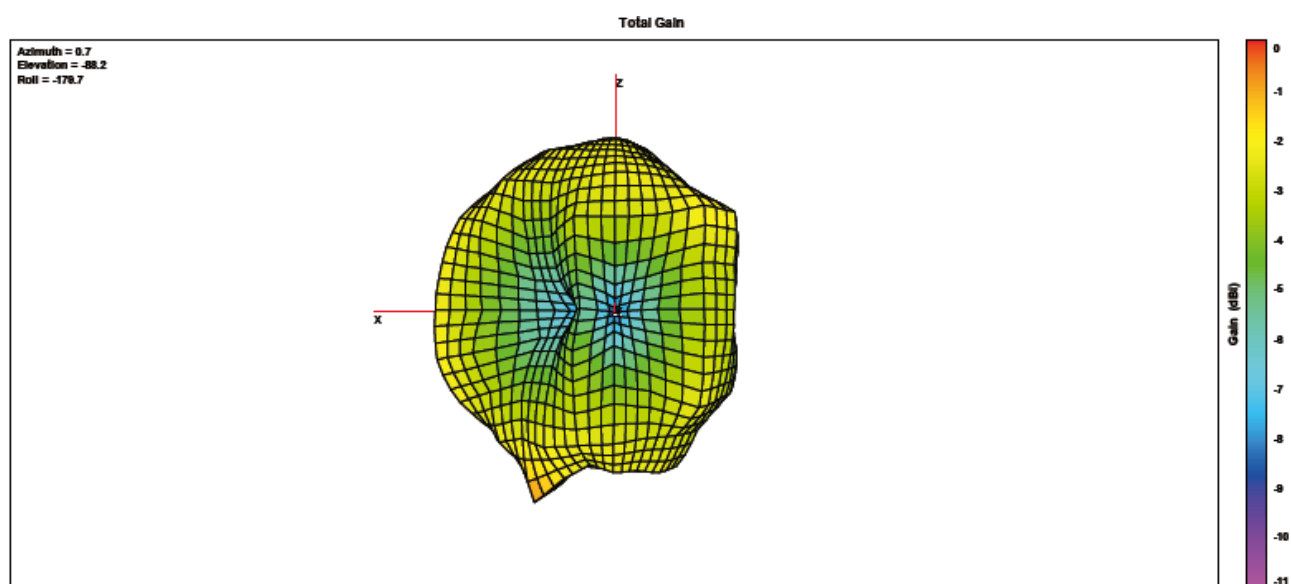


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2440MHz



2480MHz