

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 防丢器蓝牙天线样品承认书
BT Antenna Product Approval

时间: 2025-10-25

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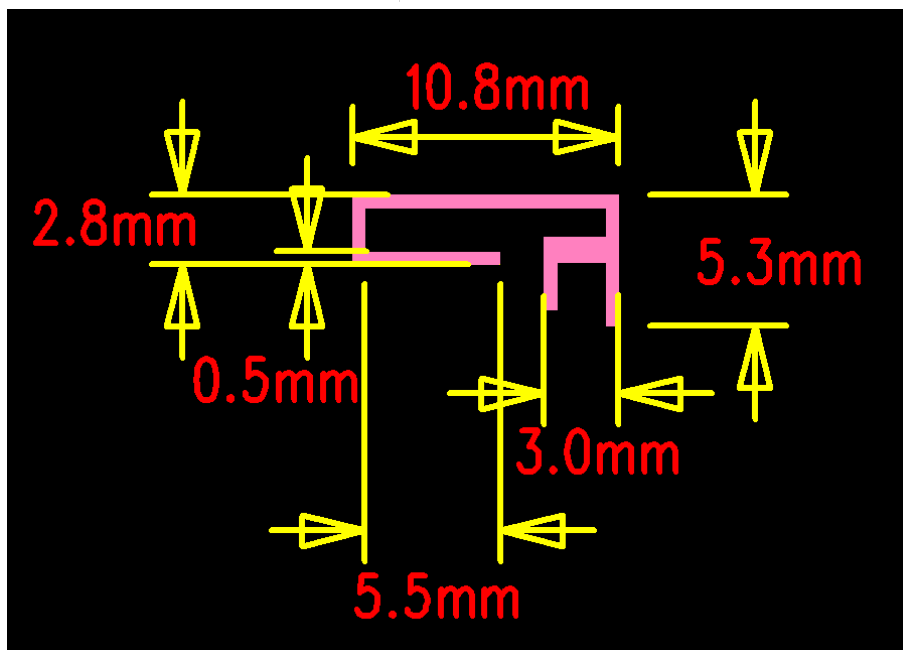
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一、Introduction to Antennas

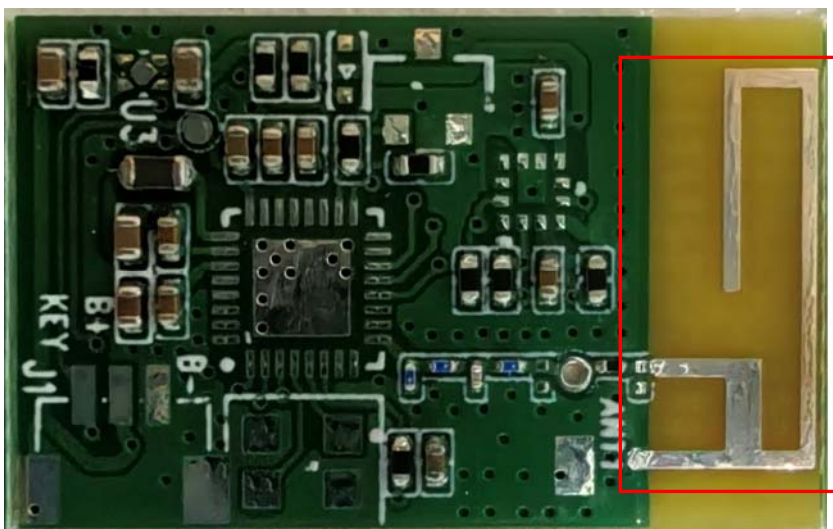
Our company's Bluetooth antenna is directly made on the PCB board. The antenna is made of copper foil with a tin plating process. The thickness of the copper foil is H/H0Z. The board material is FR-4 with a thickness of 1.0mm.

二、Antenna shape

1. 尺寸图 : 10.8*5.3*2.8*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)	2.12 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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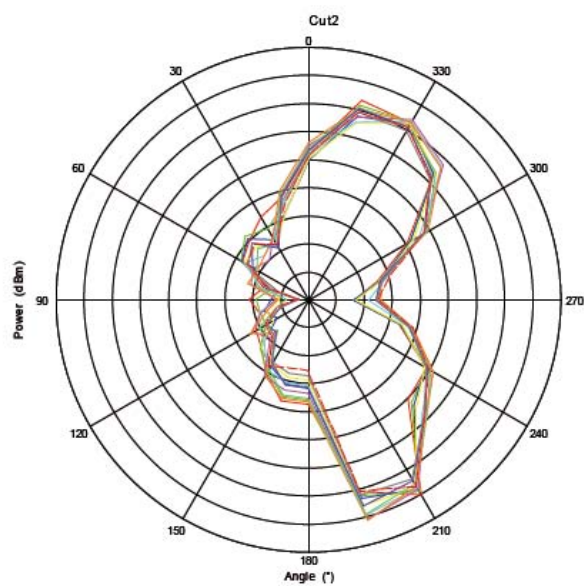
Frequency(MHz)	Gain(dBi)
2400	1.91
2410	2.01
2420	1.90
2430	1.86
2440	1.94
2450	2.04
2460	2.08
2470	2.10
2480	2.07
2490	2.07
2500	2.12

五、Directional diagram

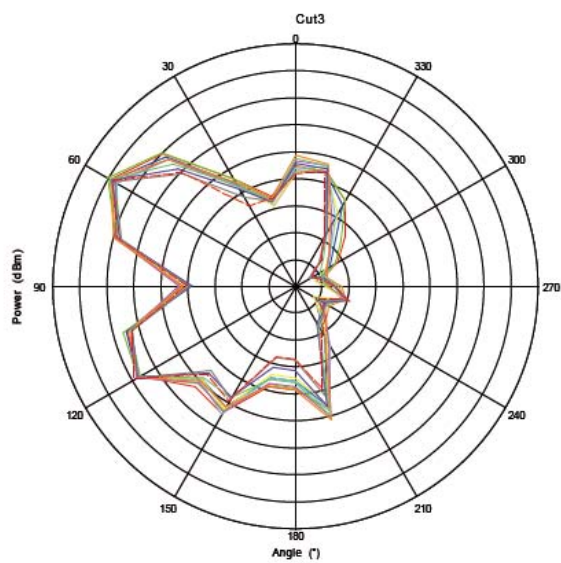
2D Radiation Pattern

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$\Phi = 0^\circ$



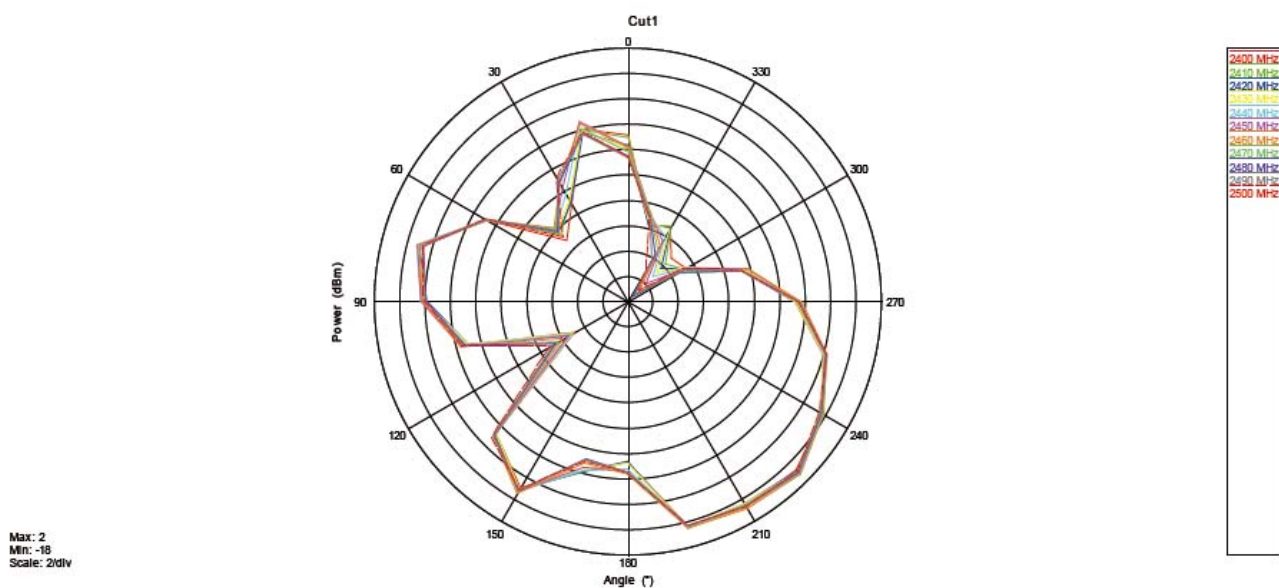
$\Phi = 90^\circ$

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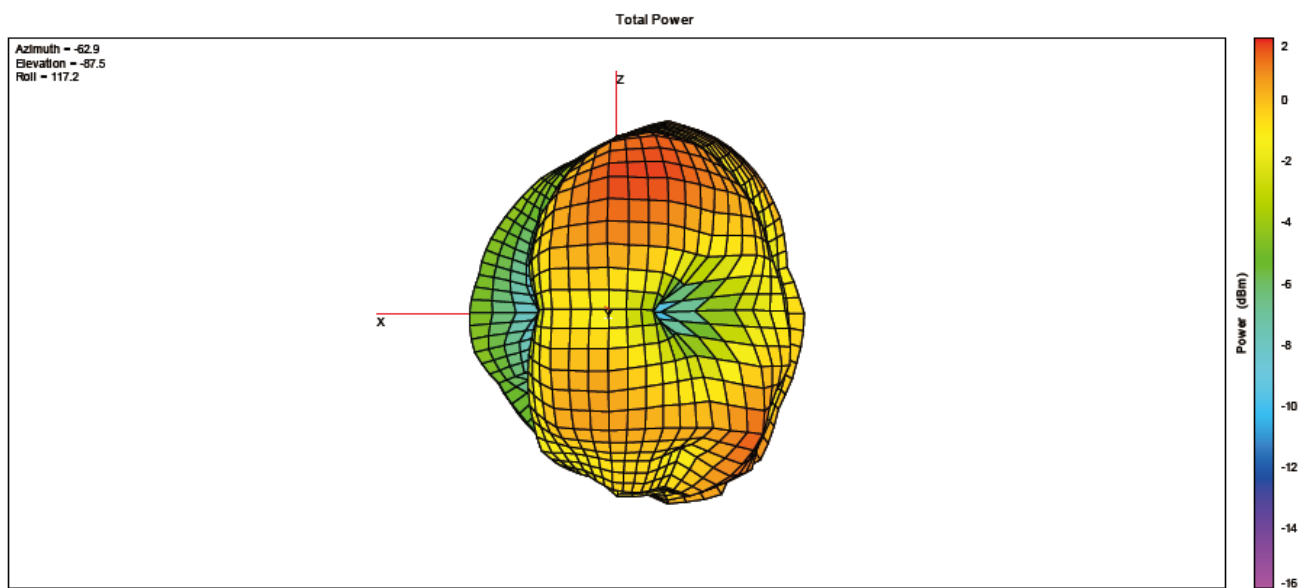
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Theta=90°

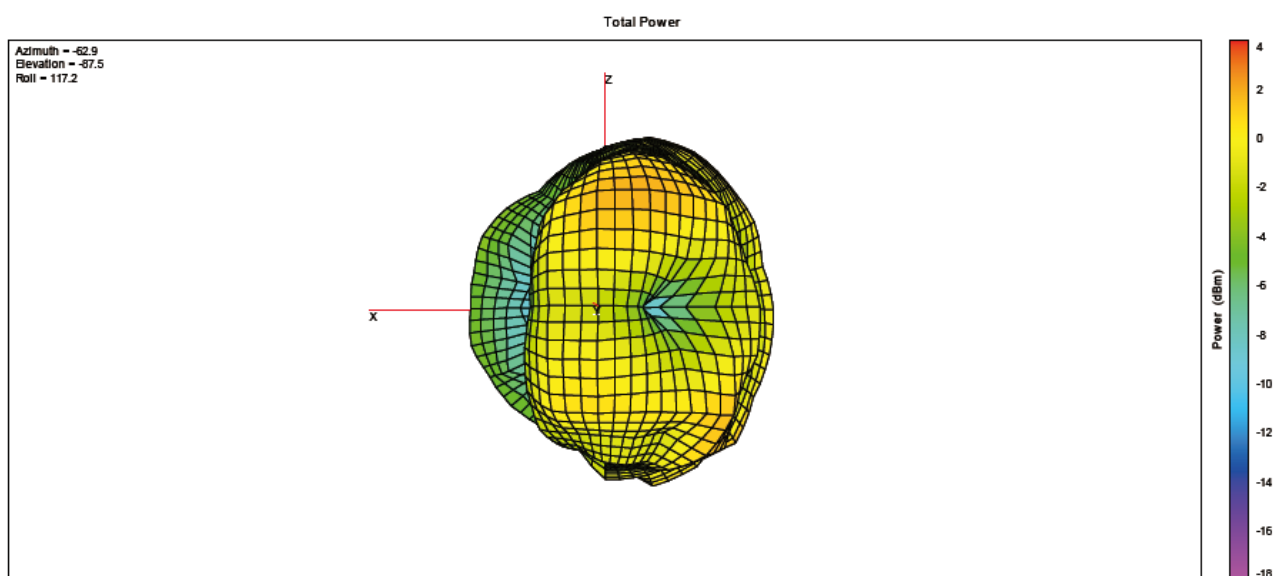
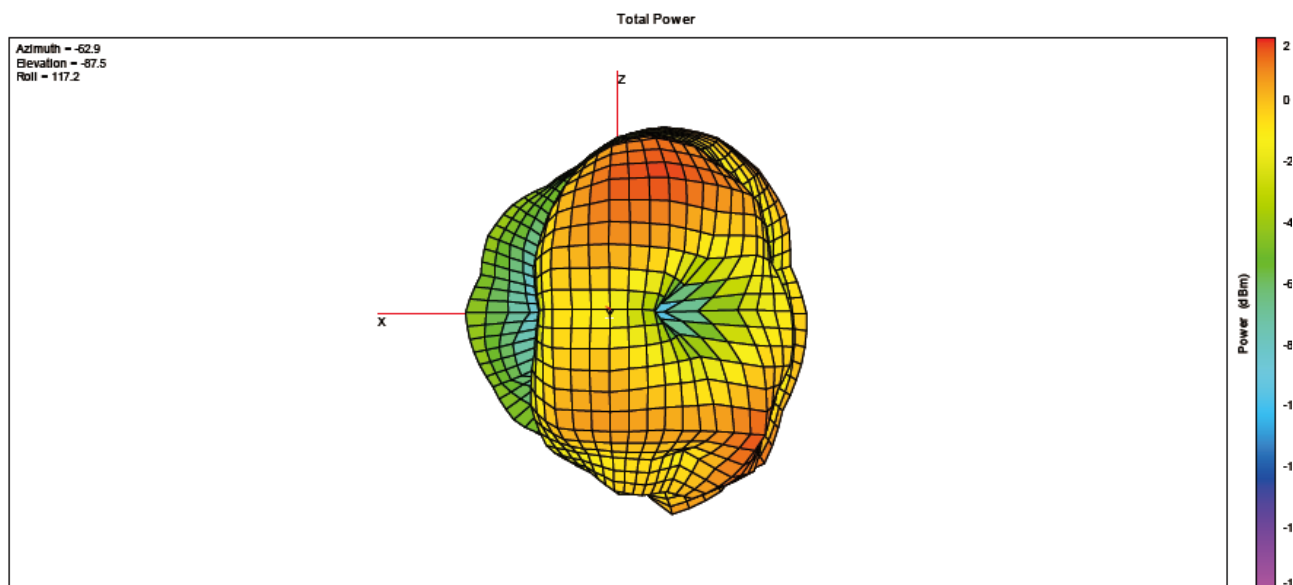
3D Radiation Pattern



2400MHz

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2480MHz