

ANTENNA SPECIFICATION

Model:	CH-6373N-Ant.
Version:	V1.0
Issued Date:	2025.04.15
Tested by:	Lite.Mo
Check by:	Xun.Li
Manufacturer:	Sunitec Enterprise Co., LTD.

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1.Revision History

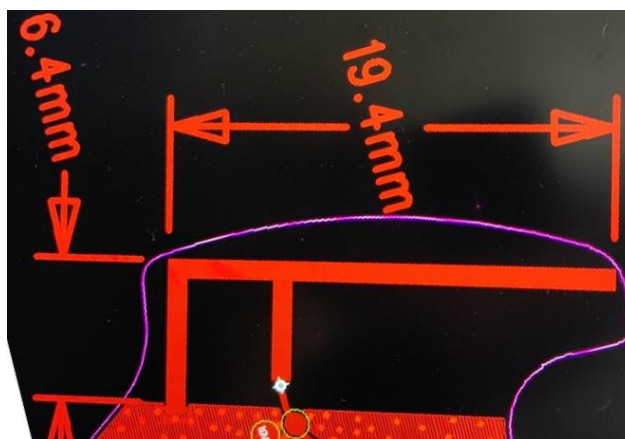
Rev.No	Issued Date	Description	Summary
V1.0	2025.04.15	initial release	

2. Introduction

2.1 Introduction of Product

This product is a Bluetooth antenna with Layout on PCB

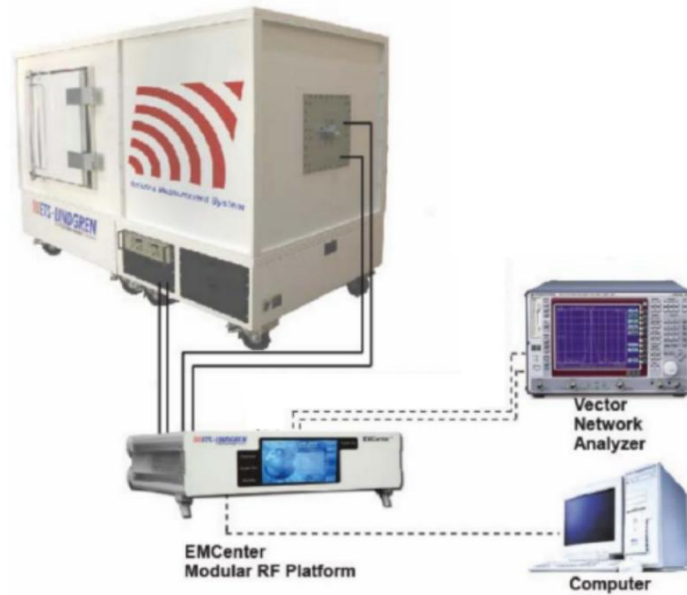
2.2 Dimension



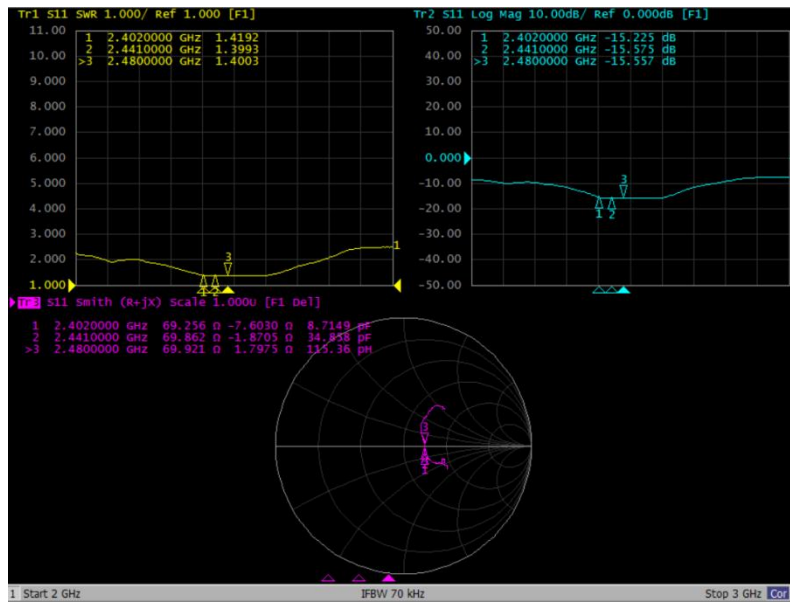
3. Electrical Characteristics

3.1 Test equipment:

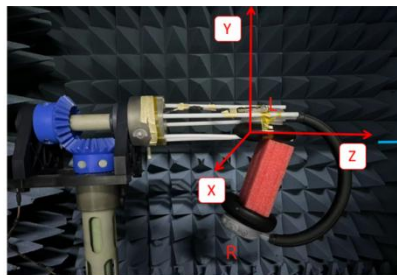
Equipment	Manufacturer	Model No	Serial No.	Last Cal.	Due Date
VECTOR NETWORK ANALYZER	Agilent	E5071C		2024.10.23	2025.10.22
Antenna Measurement System	ETS-Lindgren	AMS-8050		2024.10.23	2025.10.22
	ETS-Lindgren	EMCenter Modular RF Platform		2024.10.23	2025.10.22



3.2 Antenna S11 parameters

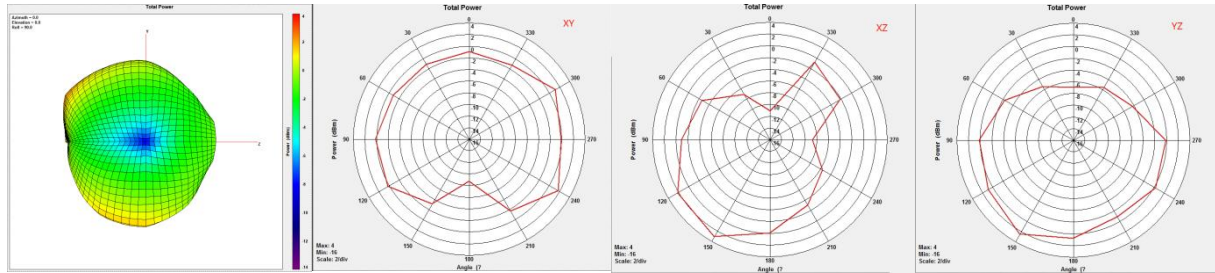


3.3 Antenna Test Settings:

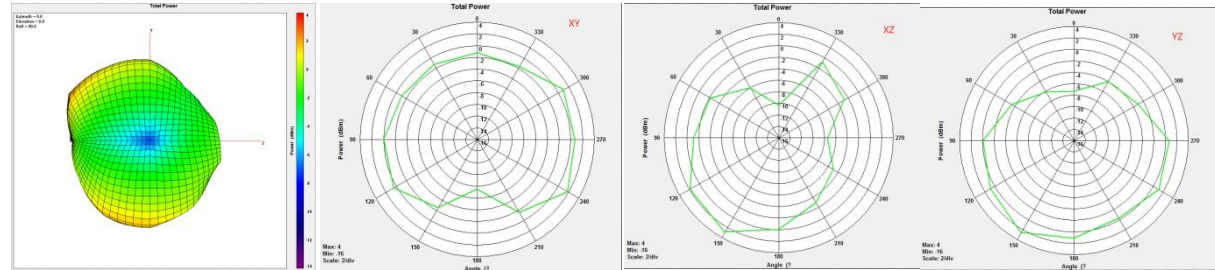


3.4 2D&3D Radiation Pattern :

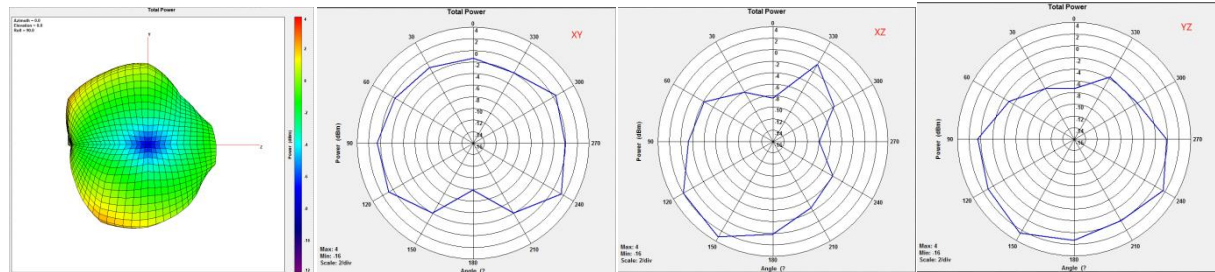
2402MHz



2441MHz



2480MHz



3.5 Electrical Characteristics:

Antenna type	PCB Layout Antenna
Working Frequency Range	2450±50MHz
Impedance	50Ω
VSWR	<2
Max Efficiency(%)	73.8%@2460MHz
Max peak Gain(dBi)	3.2dBi@2460MHz
Polarization	Linear

Fre(MHz)	Efficiency (db)	Efficiency (%)	Gain (dBi)
2400	-1.5	71.4	2.9
2410	-1.4	71.8	3.2
2420	-1.4	72.1	3.1
2430	-1.4	72.6	2.9
2440	-1.4	72.7	2.8
2450	-1.3	73.8	3.0
2460	-1.3	73.8	3.2
2470	-1.3	73.4	3.1
2480	-1.4	71.9	3.1