

ANTENNA SPECIFICATION

Client:	Sunitec
Project:	BMS65M
Antenna type:	PCB Layout Antenna
Version:	V1.0
Issued Date:	10-Sep-23

Sunitec Electronics Technology Limited

Unified Social Code: 91440300661016405E

Registered Address/Business Address:

Building C No.725 , WeiXiangTai Industrial Zone, FuCheng Street , LongHua District , ShenZhen ,Guangdong ,China.

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1.Revision History

Rev.No	Issued Date	Description	Summary
V1.0	10-Sep-23	initial release	

2. Introduction

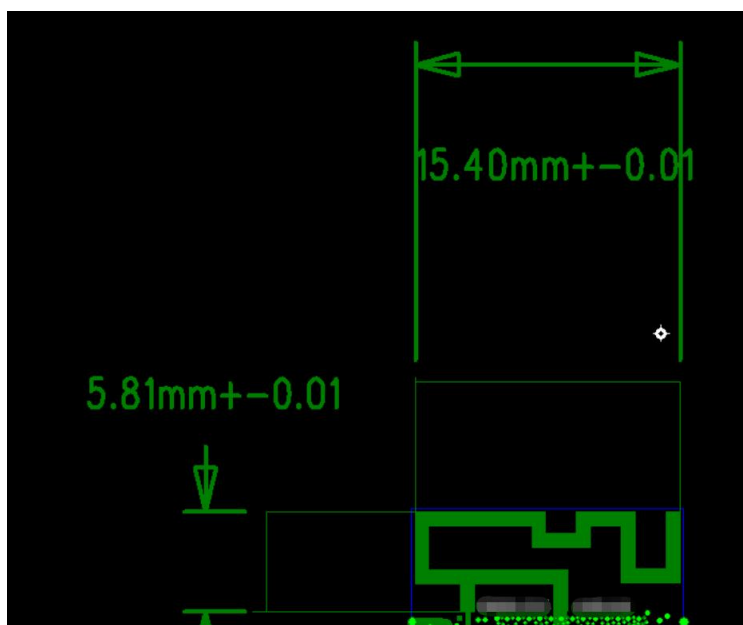
2.1 Introduction of Product

This product is a Bluetooth antenna with Layout on PCB .

Manufacturer's name:Jiangsu Bomim Electronic Co Ltd

Address:No.9 Yongsheng Rd Electronic Information Industrial park Dafeng, Jiangsu
224100 China

2.2 Dimension



3. Electrical Characteristics

3.1 Test equipment:

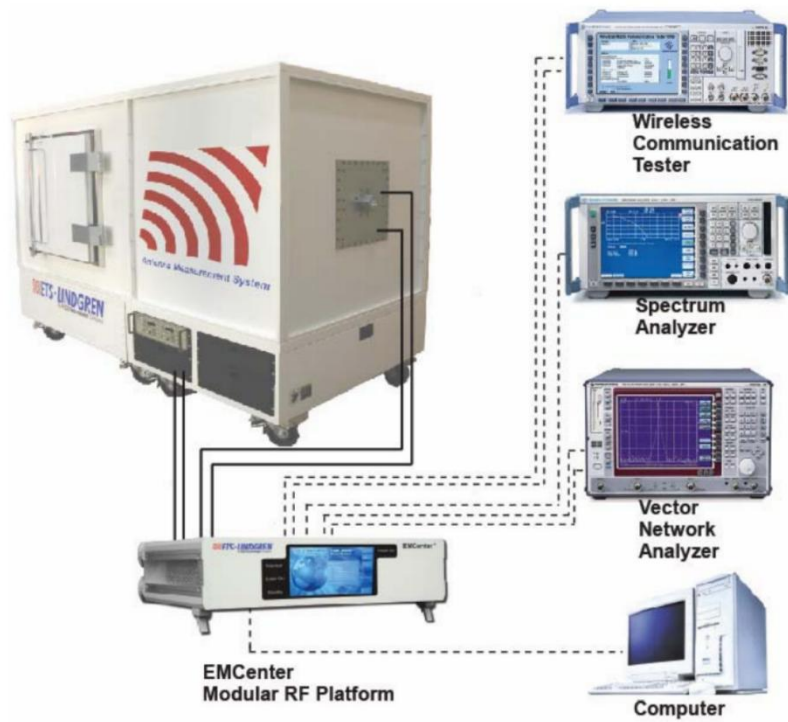
VECTOR NETWORK ANALYZER

Agilent E5071c

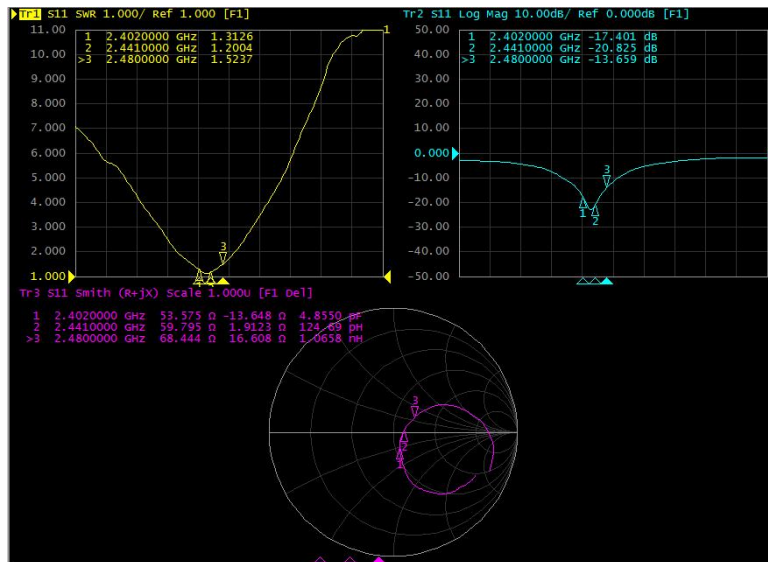
Antenna Measurement System

ETS-Lindgren Antenna Measurement System

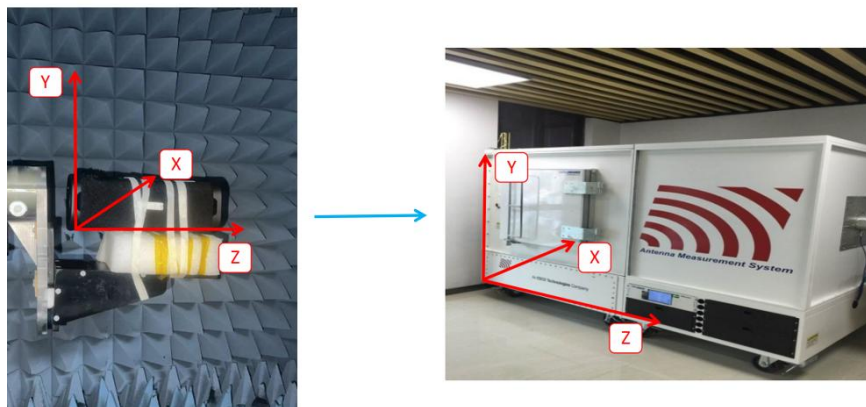
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3.2 Antenna S11 par



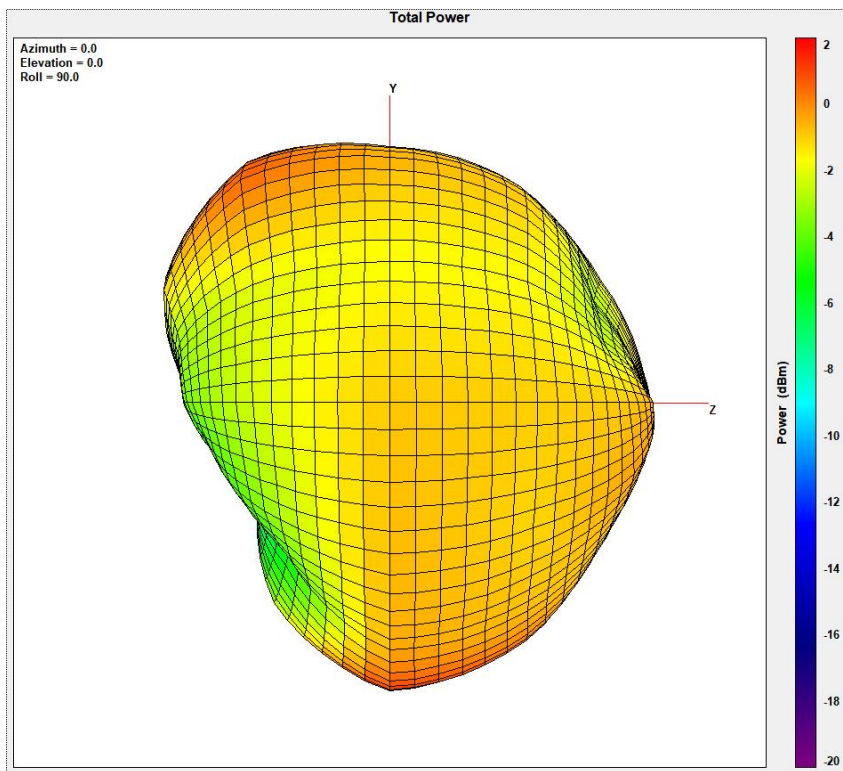
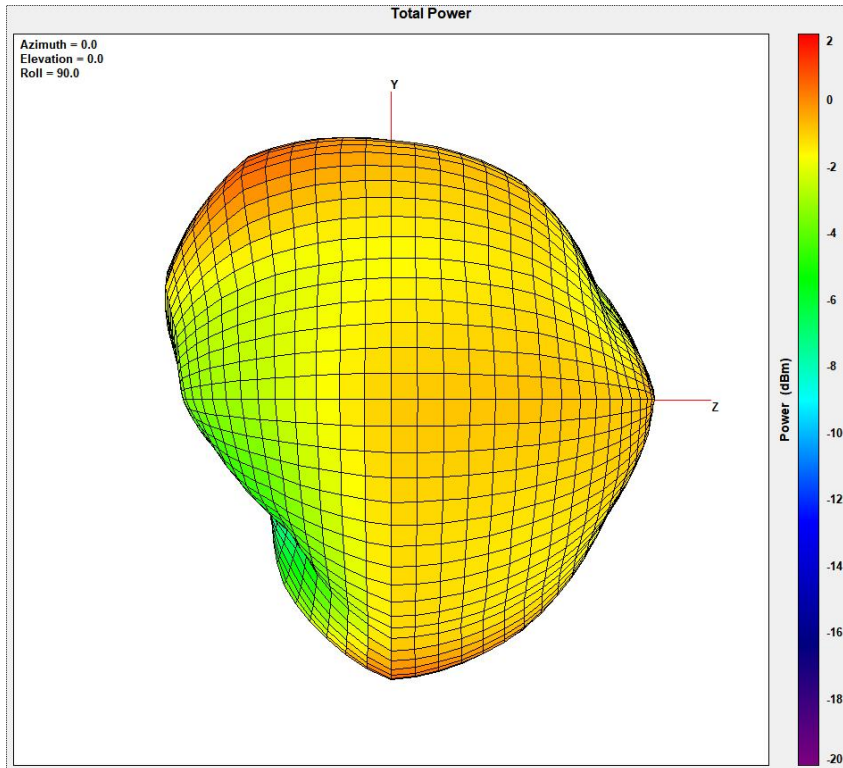
3.3 Antenna Test Settings:



3.4 3D Radiation Pattern :

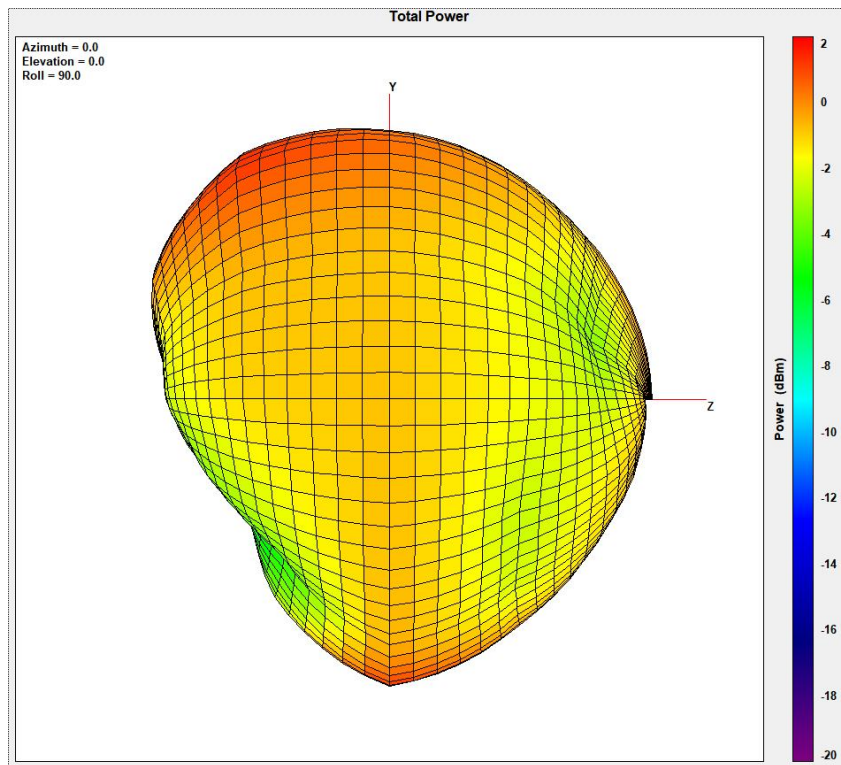
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2402MHz



2480MHz

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3.5 Electrical Characteristics:

Antenna Model Name	PCB Layout Antenna
Working Frequency Range	2450 ± 50MHz
Impedance	50Ω
Max Efficiency(%)	60.38%@2464MHz
Max peak Gain(dBi)	1.77dBi@2470MHz

Frequency(MHz)	Efficiency (%)	Peak Gain (dBi)
2402	55.88	0.95
2441	55.80	1.48
2480	57.20	1.59

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