

ANTENNA SPECIFICATION

Project:	Q850_DV2
Version:	V1.0
Issued Date :	2026.04.01
Tested by:	Ke.Huang
Check by:	Xun.Li
Manufacturer :	Sunitec Enterprise Co., LTD.
Address:	Building C No.725 , WeiXiangTai Industrial zone,FuCheng street , LongHua district , ShenZhen,GuangDong, China

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Confidential Provide to Minami From Sunitec April 1, 2028

1.Revision History

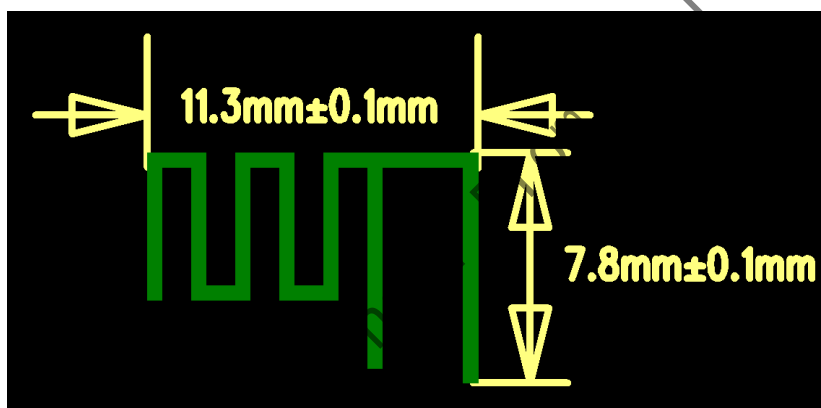
Rev.No	Issued Date	Description	Summary
V1.0	2026.04.01	initial release	

2. Introduction

2.1 Introduction of Product

This product is a Bluetooth antenna with Layout on PCB

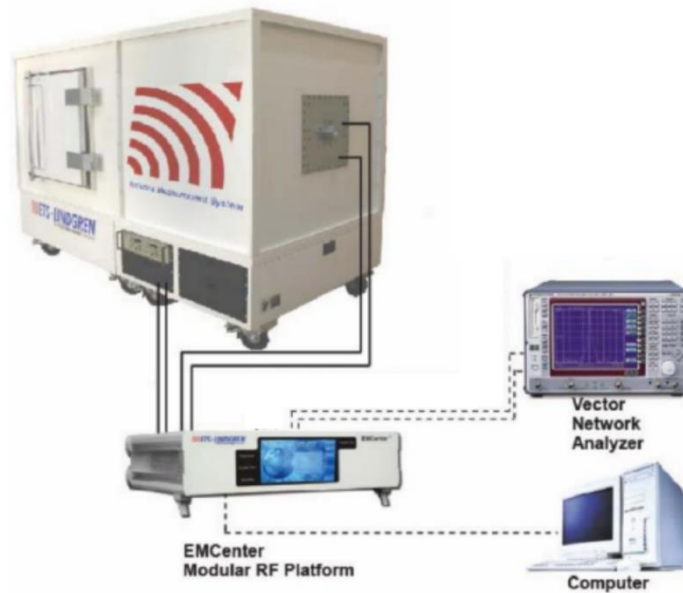
2.2 Dimension



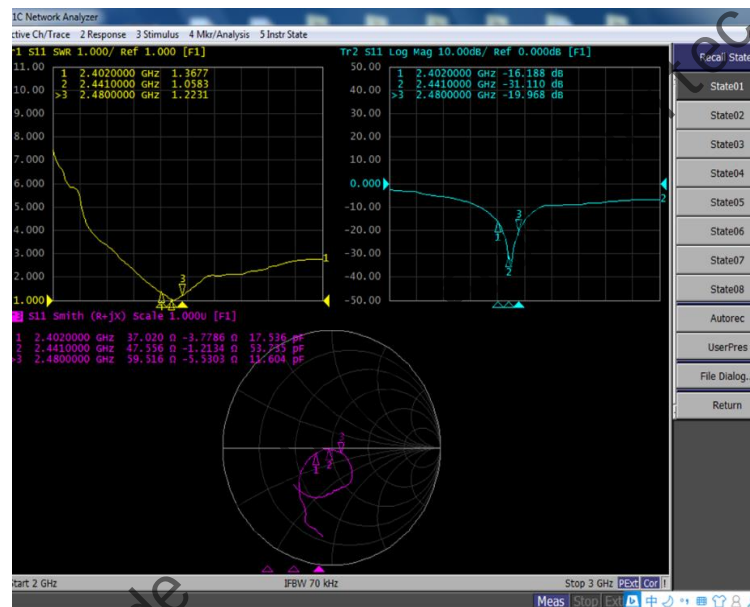
3. Electrical Characteristics

3.1 Test equipment:

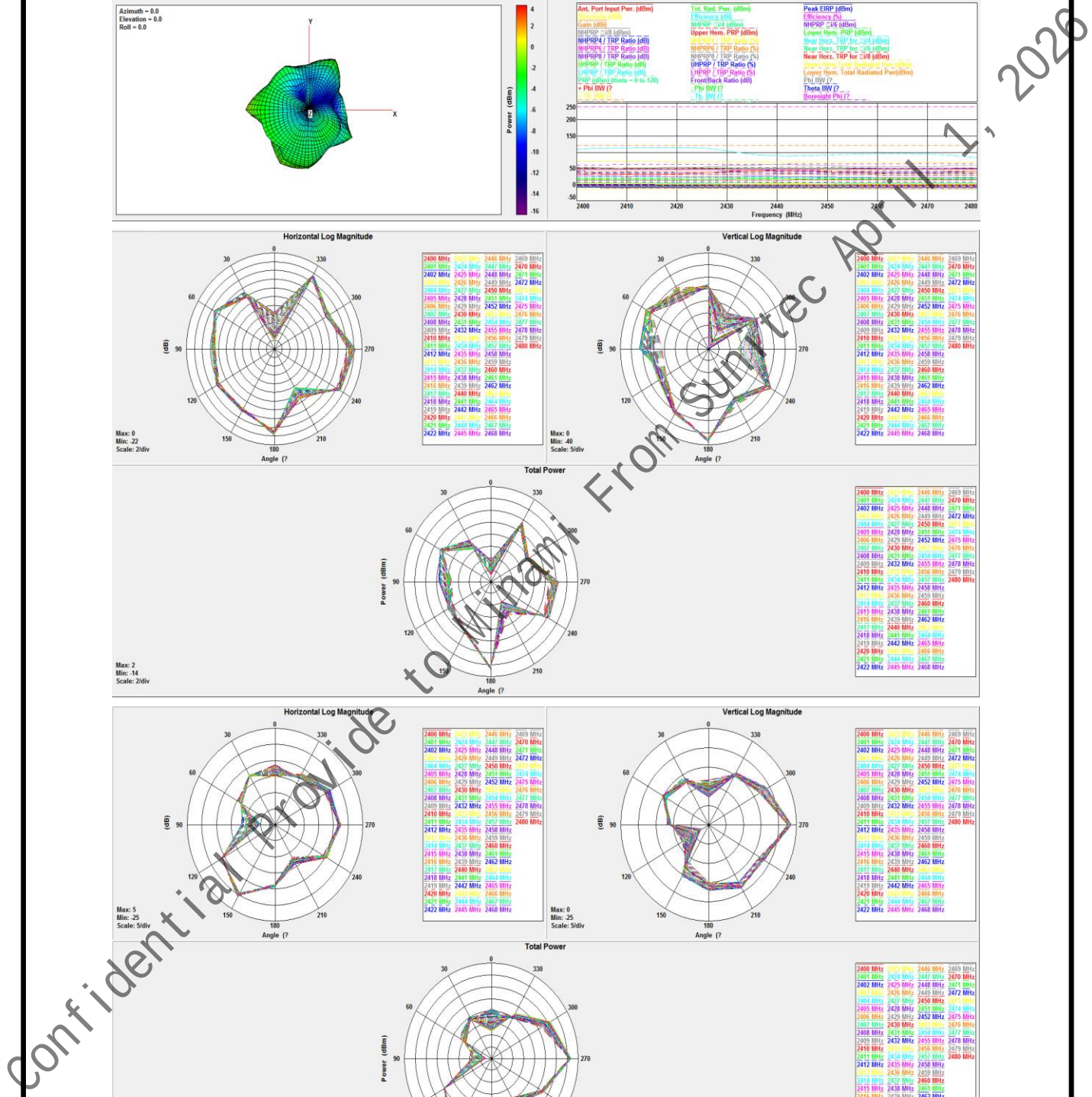
Equipment	Manufacturer	Model No	Serial No.	Last Cal.	Due Date
VECTOR NETWORK ANALYZER	Agilent	E5071C		2025.10.10	2026.10.09
Antenna Measurement System	ETS-Lindgren	AMS-8050		2025.10.10	2026.10.09
	ETS-Lindgren	EMCenter Modular RF Platform		2025.10.10	2026.10.09



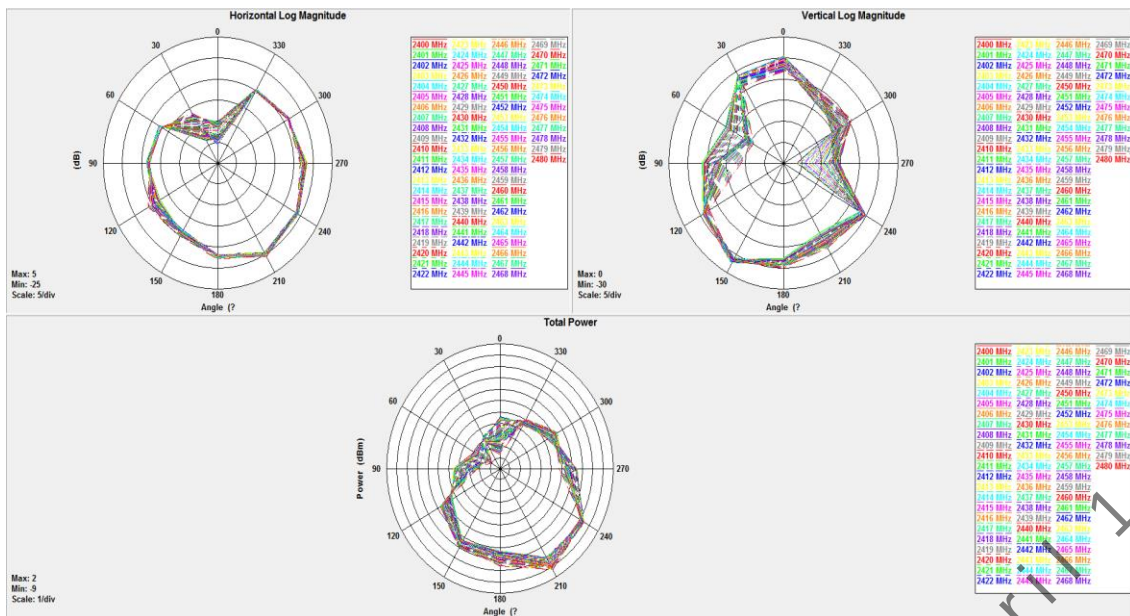
3.2 Antenna S11 parameters



3.3 2D&3D Radiation Pattern :



 **深圳市丰禾原电子科技有限公司**
SUNITEC ENTERPRISE CO., LTD.



3.4 Electrical Characteristics:

Antenna type	PCB Layout Antenna
Working Frequency Range	2450±50MHz
Impedance	50Ω
VSWR	<2
Max Efficiency(%)	49.27%@2470MHz
Max peak Gain(dBi)	2.90dBi@2470MHz
Polarization	Linear

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	46.61	2.40
2410	47.58	2.68
2420	47.88	2.74
2430	46.82	2.46
2440	45.97	2.12
2450	47.13	2.44
2460	49.13	2.86
2470	49.27	2.90
2480	48.65	2.78