

Antenna Test Report



Customer	合扬
Project	MB005
Antenna Revision	A0
Prepared by	15502142180
Checked by	
Date:	2026. 4. 29

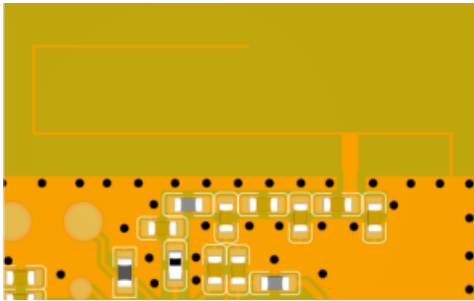
Purpose

This report is to measure the performance of antenna for [MB005](#) .The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

Content

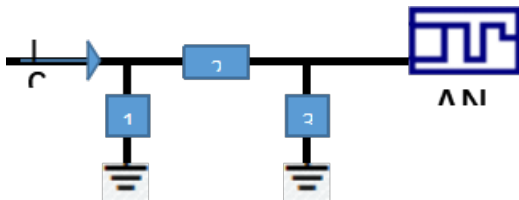
1. Antenna & Manufacturer
2. Test Result
 - 2.1 S11 Parameter-VSWR**
 - 2.2 Gain & Efficiency**
 - 2.3 2D Pattern**

1. Antenna & Manufacturer



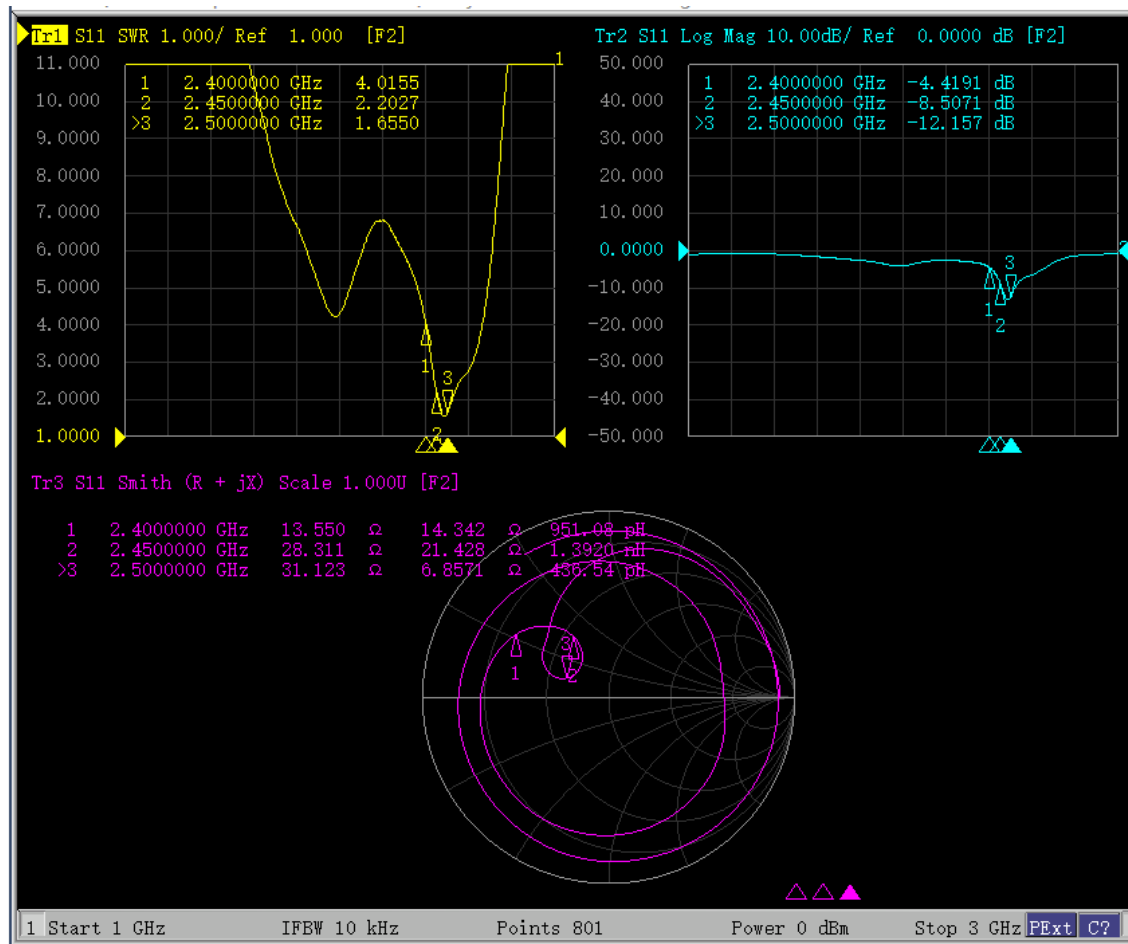
Dimension 16 X 5.5 mm

Antenna Manufacturer Name :	Shenzhen Tengfeiyang Electronics Co., Ltd.
Antenna Manufacturer Address:	Room 701C, Building D, Juji Industrial Park, Yabian Xueziwei, Yabian Community, Shajing Subdistrict, Bao'an District



2. Test Result

2.1 S11 Parameter-VSWR



2. Test Result

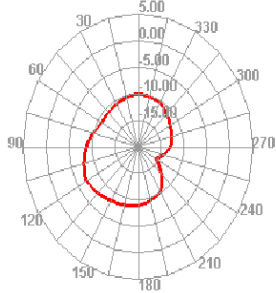
2.2 Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)	Beamwidth (3dB)
2400	18.4	-1.17	0
2410	19.16	-0.93	0
2420	20.06	-0.68	0
2430	21.99	-0.25	0
2440	23.55	0.14	0
2450	24.9	0.52	0
2460	26.06	0.75	0
2470	26.23	0.83	0
2480	28.4	1.19	0
2490	31.4	1.62	0
2500	32.24	1.78	0

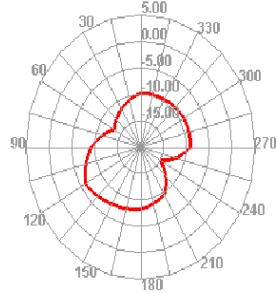
2. Test Result

2.3 2D Pattern

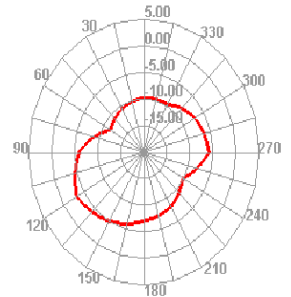
2400.000MHz H



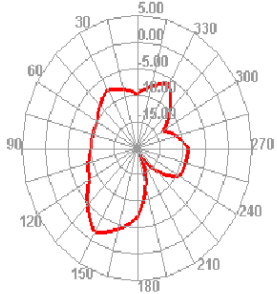
2450.000MHz H



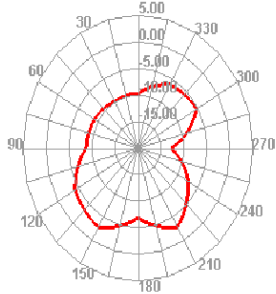
2500.000MHz H



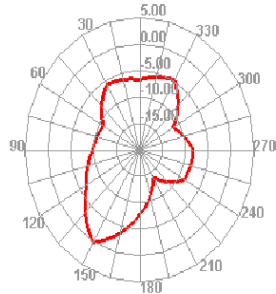
2400.000MHz E1



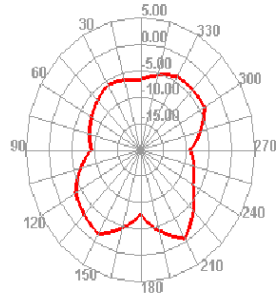
2400.000MHz E2



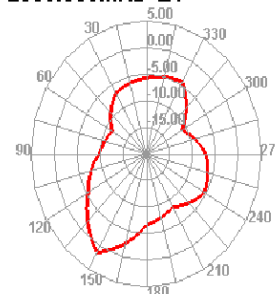
2450.000MHz E1



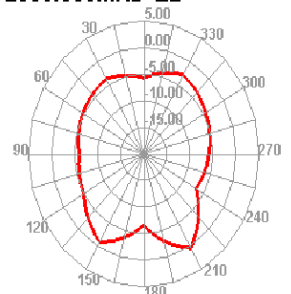
2450.000MHz E2



2500.000MHz E1



2500.000MHz E2



Thank you !