



深圳市飞敏科技有限公司

ShenZhen City FeiMin Technology CO., LTD.

产品承认书

SPECIFICATION FOR APPROVED

客户

CUSTOMER: Enping Fuluode electronics Co., LTD

产品名称

PRODUCTS: 2.4G lead-out rubber rod antenna

客户地址 4th Floor, Workshop C2, Zone 1, Enping Industrial Park, Jiangmen Industrial
Address: Transfer Park, Enping City, China

产品型号

Spec. : FM-S2037-2.4G lead-out rubber rod antenna

日期

Data: 2023.01.06

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REMARK: Please send us one (or copy) of this approval with stamp after accepting, other copies filed by the customer.

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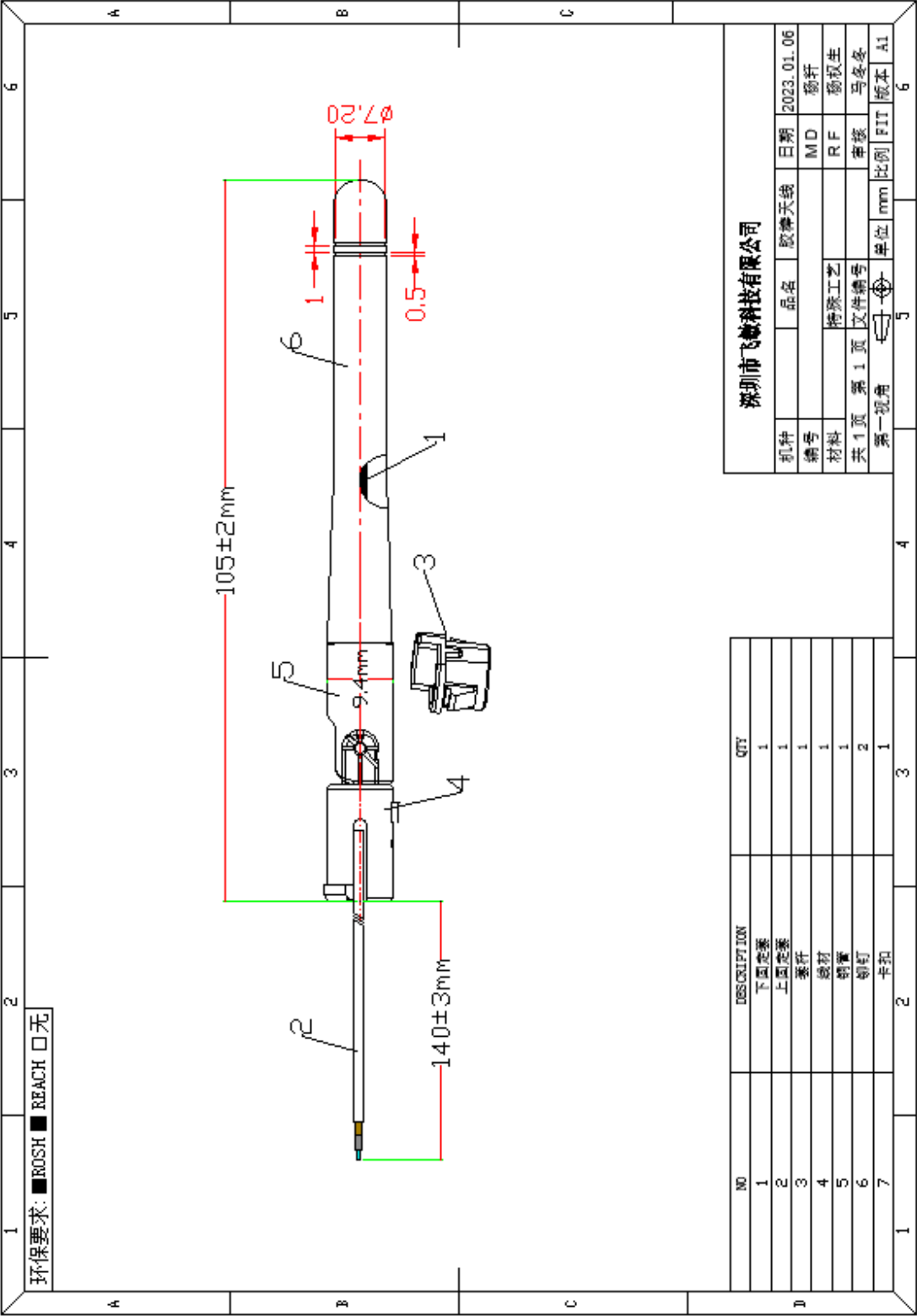
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1. 项目信息 Project Information

1.1.外观尺寸 Appearance and Dimensions



温度 Temperature	Ordinary Temperature (5 to 35℃)
湿度 Humidity	Ordinary Humidity (25 to 85% RH)

Diagram illustrating the test setup:

- Network analyzer** (Network analyzer)
- Cable** (Cable)
- Customer prototype / test fixture** (Customer prototype \ test fixture)

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Tr1 S11 SWR 1.000/ Ref 1.000 [F1 M]

Marker	Frequency (GHz)	SWR
1	2.4000000	1.4120
2	2.5000000	1.4286

Format
SWR

Log Mag

Phase

Group Delay

Smith

Polar

Lin Mag

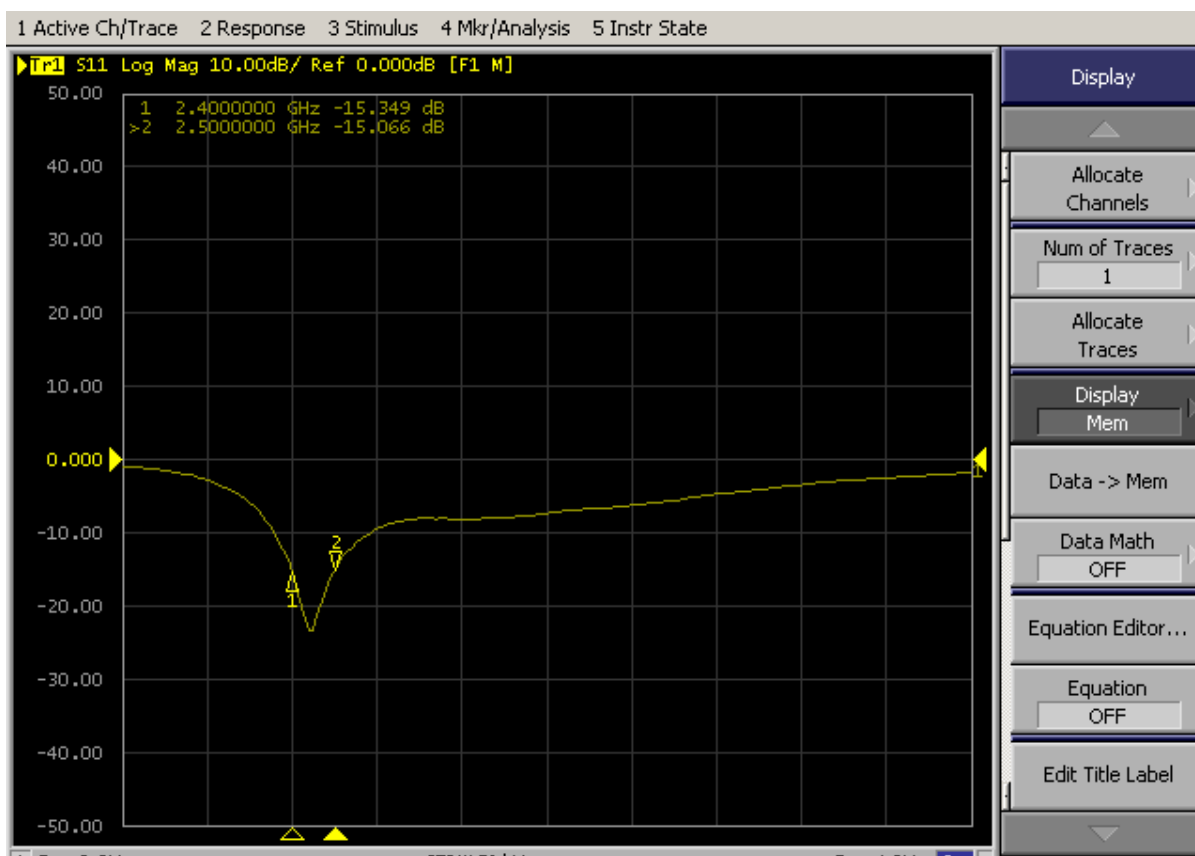
SWR

Real

Imaginary

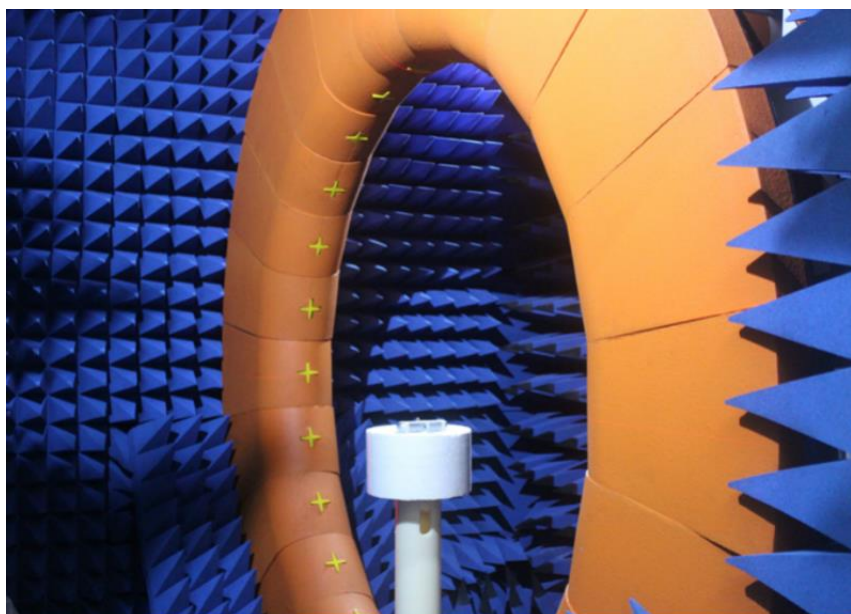
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2.2.2. 天线回波损耗 Antenna Return loss



2.3. 天线无源测试数据 Antenna passive test data

2.3.1. 测试系统 Test system



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2.3.2 天线效率及增益 Antenna efficiency and gain

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400 MHz	2.08	48.84
2410 MHz	2.32	52.85
2420 MHz	2.75	48.54
2430 MHz	2.84	51.75
2440 MHz	2.66	49.11
2450 MHz	2.19	53.09
2460 MHz	2.26	48.13
2470 MHz	2.12	46.12
2480 MHz	2.61	48.87
2490 MHz	2.8	52.62
2500 MHz	2.68	51.55

2.3.2. 天线辐射方向图 Antenna Radiation Pattern

