Product specification acknowledgement

产品规格承认书

(Acknowledge the manufacturer:)

承认厂商：

(Recognized manufacturers)

制 造 厂 商 ：

Shenzhen Lishunfa Hardware Co., LTD

深圳市力顺发五金有限公司

(Manufacturer's Address) ：

制 造 厂 商地址 ：

Shenzhen Baoan District West Township Gushu Tianxin Industrial Zone Tangdong 7 factory first floor

深圳市宝安区西乡镇固戍田心工业区塘东 7 厂一楼

（Product name）

产 品 名 称 ：

弹簧天线 Spring antenna

(Product selection table:)

产品选型表：

（Product Type）

型号 :COF01016

Explain

说明

Remark

备注

Standard 467MHZ (customizable)

标准 467MHZ（可定制）

Supplier acknowledgement TAB

供应商承认签栏

Tabulator	**Auditor**	**Approver**
制表者:LY	**审核者 :**	**核准者 :BRL**

Customer recognition field

客户承认栏

Tabulator	**Auditor**	**Approver**
制表者:	**审核者 : WQZ**	**核准者 : RP**

1.1 Specifications

天线类型 Antennas Type

Antenna for 467M application

频率范围 Frequenc Range(MHz)

467MHz+/-20MHz

输入阻抗 Input Impendence (Ω)

50Ω

电压驻波比 V.S.W.R

<2

增益 Gain (dBi)

0dBi

极化形式 Polarization Type

垂直 Vertical

功率容量 Power Capacity (w)

50

连接方式 Connector Type

直接焊接 Direct weldment

天线颜色 Color

黄色 yellow

重量 Weight(g)

0.8

线径（mm）

0.7

辐射体 Radiator

Physical prevail

实物为准

1.2 Antenna Picture

Note: Because the antenna function is more sensitive, the body surrounding the change to inform us to evaluate

注：因天线功能较为敏感，主体周边机构有变更通知我们评估

2.

Electrica l Specification

电气规格

2.1 Test Equipment

2.1 测试设备

A. VSWR and input impedance: Agilent 8753/E5071 Network Analyzer
B. Antenna gain and efficiency: ETS three-dimensional anechoic chamber
A.驻波比和输入阻抗:Agilent 8753/E5071 网络分析仪
B.天线增益和效率:ETS 三维消声室

2.2 Test Setup

2.2 测试设置

2.2.1 Frequency Range

2.2.1 频率范围

2.2.2 VSWR

Step 1: The antenna is arranged on the customer provided test fixture.
Step 2: The VSWR of the antenna is measured via Agilent 8720/8753 Network Analyzer (see figure. 1).
步骤 1:将天线安装在客户提供的测试夹具上。

第二步:通过安捷伦 8720/8753 网络分析仪测量天线的驻波比(见图)。1）

2.2.3 Radiation pattern and Gain

A. The 3D chamber provides less than -40dB reflectivity from 800MHz to 6GHz and a 40cm diameter spherical quiet zone. The measurement results are calibrated using both dipoles and standard gain horns (see figure. 2).

B. The antenna under tested is arranged in the turned table and a decoupling sleeve is used to reduce feed line radiation (see figure. 3).

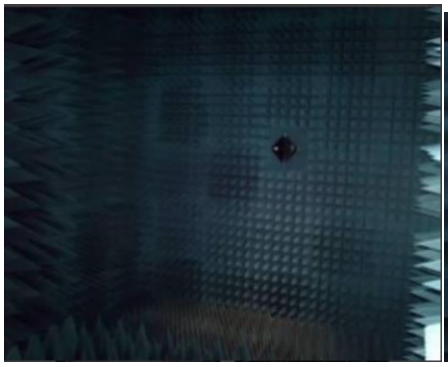
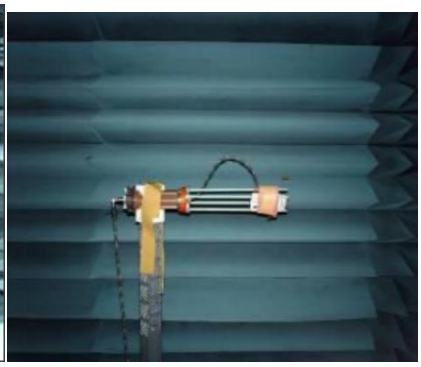
C. The measured results of the radiation patterns and antenna gain are obtained from the control system and showed on the monitor (see figure. 4 and 5).

2.2.3 辐射方向图和增益

a . 3D 腔室在 800MHz 至 6GHz 范围内提供小于-40dB 的反射率，直径为 40cm
球形安静区。使用偶极子和标准增益对测量结果进行校准
角(见图)。2）.

B.被测天线布置在回转台内，采用去耦套筒减小
馈线辐射(见图)。3）.

C.通过控制得到辐射方向图和天线增益的测量结果
并显示在监视器上(见图)。4 和 5)。

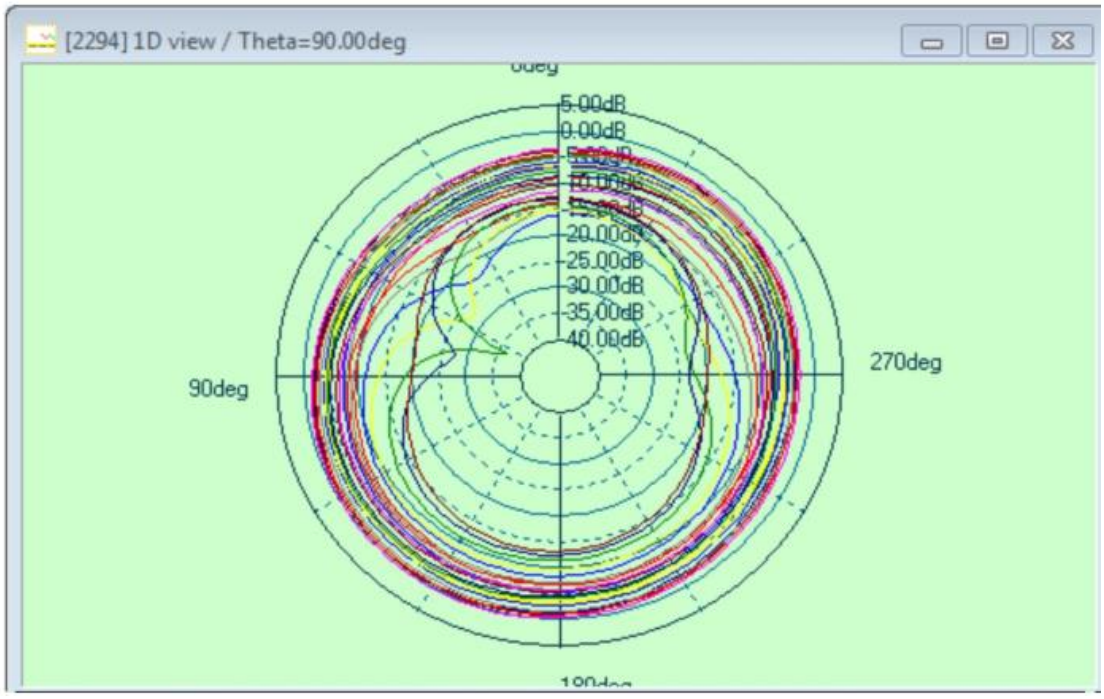
3. Performance Data

3. 性能数据

3.1 Passive data

3.1 被动数据

Smith Chart（史密斯圆图）



Note: The above data is for reference only; Because the antenna function is more sensitive,

注：以上为实测数据，仅供参考；因天线功能较为敏感，