



DongGuan Hengxin Technology Inc.

Sample Approval Sheet

Customer: _____

Model Name: 868MHz Spring antenna

Part No: HX-B97

Customer Part No: _____

Date: _____

Customer Confirm			Vendor	
Engineer Part	Quality part	Purchase part	Approval	Release
			zhao shouGang	

Address: No.75 YangHe Road, YangGongZhou
Distribution, ShaTin Town, DongGuan City
TEL : 0769-81663533 FAX: 0769-89361945
E-mail:nogps@qq.com
Http://www.nogps.cn
http://hxnogps.1688.com

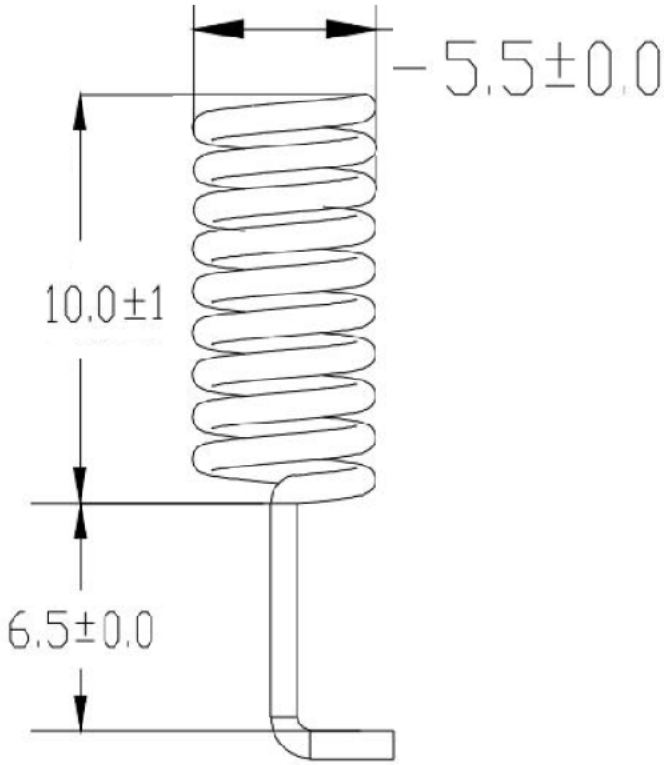
Catalogue

1.Front Cover-----	1
2.Catalogue-----	2
3.End product page-----	3
4.Test Report-----	4
5. Cable Specification-----	7

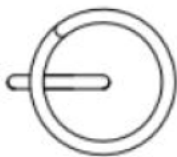
Dimension Diagram

Part Name: Spring antenna Part No: HX-B97

Unit: mm



Front Review



Top Review



Bottom Review

Remark:

- 1. Materies: 0.8 Nickel plating on steel、T=9T

Index:

- 1. Reliability Testing
- 2. Specification
- 3. S Parameter Test Data
- 4. Antenna Radiation Pattern

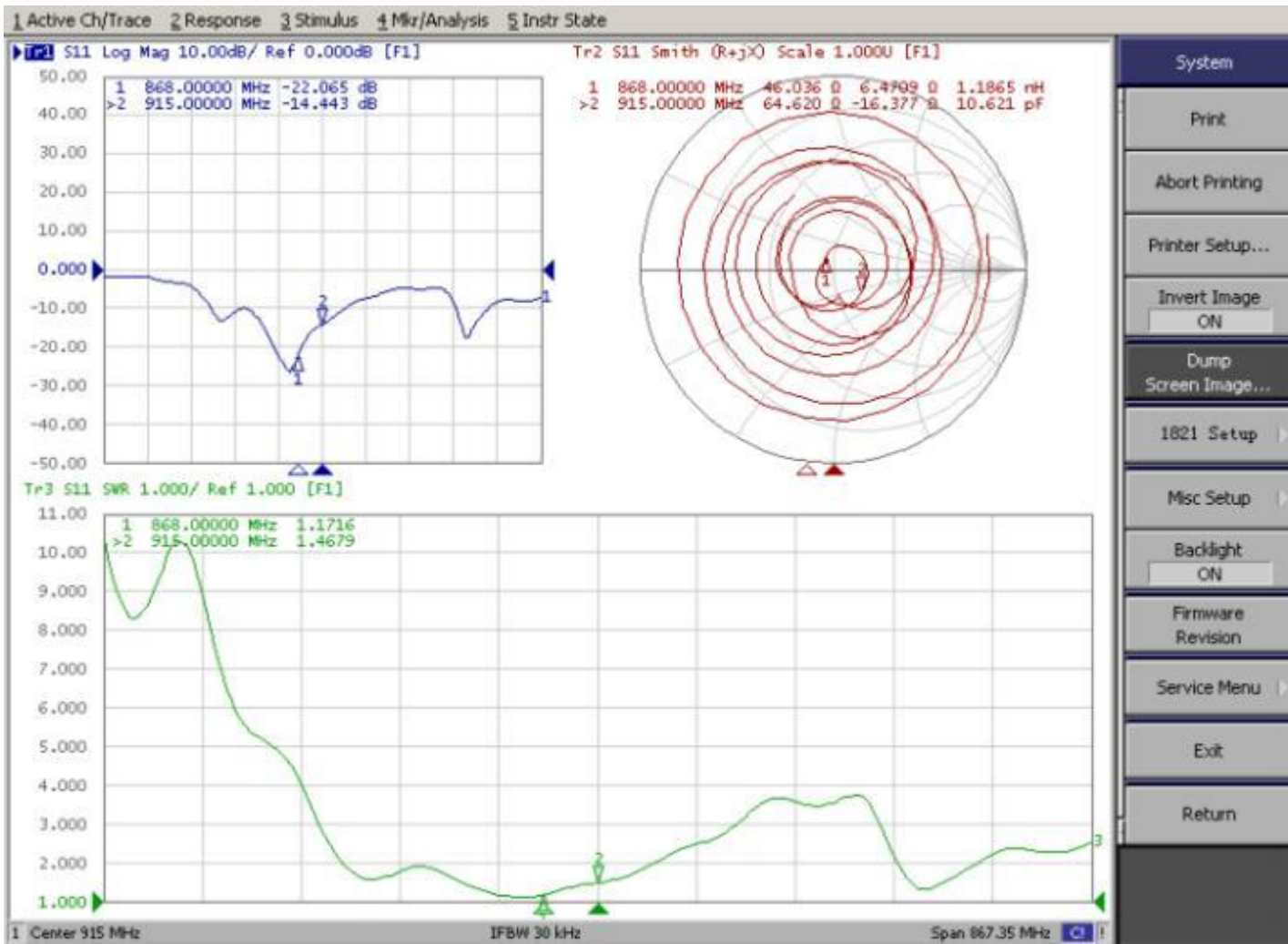
1. Reliability Testing

Test Item	Procedure	Requirement
1. Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
2. Rapid Changing of Temperature	-40°C (30minutes) to 80°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < ±5%
3. Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < ±5%
4. Endurance	24 hours at 80°C	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < ±5%
5. Connector Pull Strength Test	>= 1.0 Kg	Hold 2~3S: 1. no visible damage 2. bandwidth tolerance < ±5%

2. Specification

A. Electrical Characteristics	
S.W.R.(Tested in PC)	<= 8 6 8 MHZ
Typical Antenna Gain	+1.0 ± 0.5
Impedance	50 Ohm
B. Material	
Material of Radiator	CU
Connector Type	N/A
C. Environmental	
Operation Temperature	- 30 °C ~ + 85 °C
Storage Temperature	- 30 °C ~ + 85 °C

3. S.W.R. Testing Result



4. Antenna Radiation Pattern

Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m

Quiet Zone: 600mm @ 1 GHz

Isolation: >100dB @ 1 MHz ~ 10 GHz

Testing Equipment: Agilent 5071B

Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration

Double Ridged Horn Antenna

