东莞市亨松电子科技有限公司

樣品承認書

客　　戶：

品　　名：433MHZ 弹簧天线

料　　號：HX-B540

客戶料號：

送樣日期：

客戶確認			供應廠商	
工程部	品保部	採購部	核准	送樣人
			赵 守 刚	

地址：東莞市沙田鎮楊公洲杨和路75號
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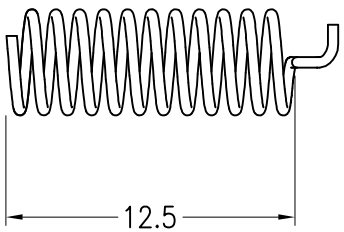
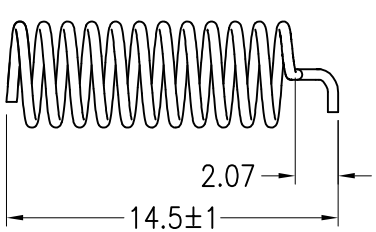
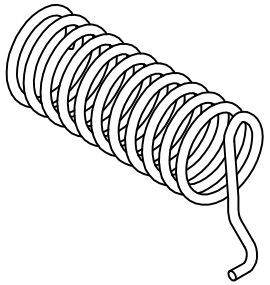
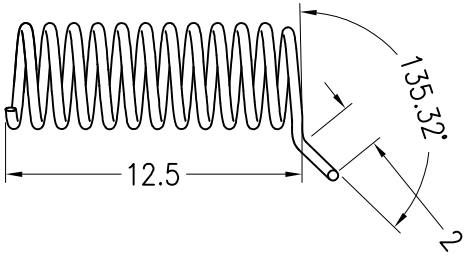
RoHS Compatible

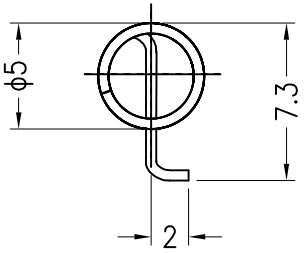
序号	日期	原因	确认人
B			
C			
D			

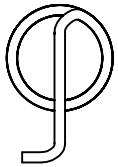












弹簧技术要求	公差:		
弹簧材料	碳钢	线径	0.5mm
旋转方向	/	旋转有效圈数	17.5
出脚方式		孔距	/
弹簧上部尺寸			
弹簧下部尺寸			
弹簧高度			

东莞市亨松电子科技有限公司

PART NAME: 433MHz 弹簧天线

PART NO.: HX-B540-发射端

DATE: 2023-07-27

APPROVED BY	CHECKED BY	DESIDNED BY

UNITS: mm
SCALE: 1/1
REVISION:A

Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°

Index:

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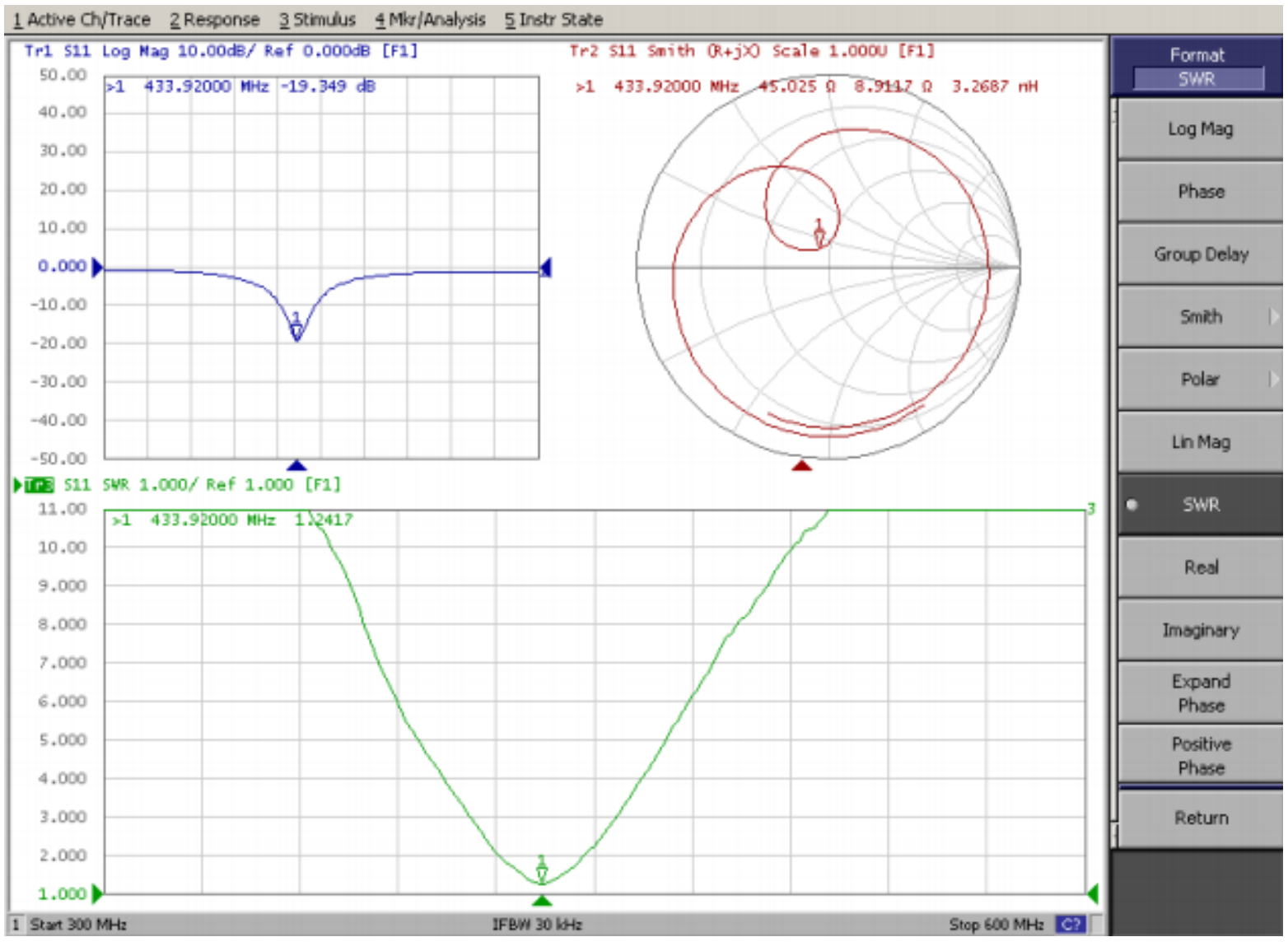
1. Reliability Testing

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)	<= 2.0 @ 433MHz
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

Quite 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