



深圳市安特通讯科技有限公司

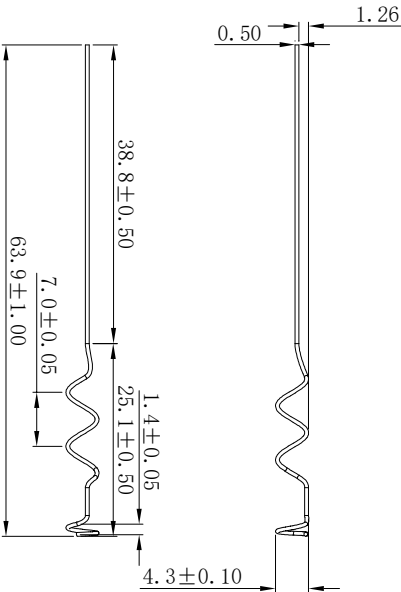
Shenzhen ANT Communication Technology Co., LTD.

Product specification sheet

customer	虎一	project	WT04 无线探针
Customer part number		Part number	ANT652303IA70-01
version	V1.0	describe	915M/spring
RF	CHENGHE	ME	LIZHIEN
technical manager	LIUFENG	date	2024/4/16

customer confirmation	
Does the assembly meet your company's requirements: ☐ OK ☐ NG	

1.Structural drawing file



技术要求:

1. 弹簧表面镀镍
2. 带*号尺寸与带公差尺寸为重点管控尺寸;
3. 产品表面干净, 无油污, 脏污等;
4. 产品无压痕, 断裂, 变形等不良;
5. 产品需遵从我司内部及我司客户的产品品质要求;
6. 其他未标注尺寸以3D图档为准;
7. 产品需符合Rohs要求

材料	线径	外径	内径	卷向	圈数	自由长
不锈钢	Φ0.5	Φ4.3			3.5	

名称	ANT652303-0.5线径-弹簧天线		设计	李志恩	日期	2024-2-22
机种	ANT652303		R F		日期	
料号	ANT652303IA70-01		批准		日期	
材质	不锈钢		深圳市安特通讯科技有限公司			
比例	FTT	第三角				
单位	mm					

2. Product specifications and technical parameters:

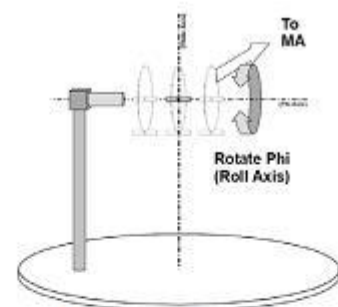
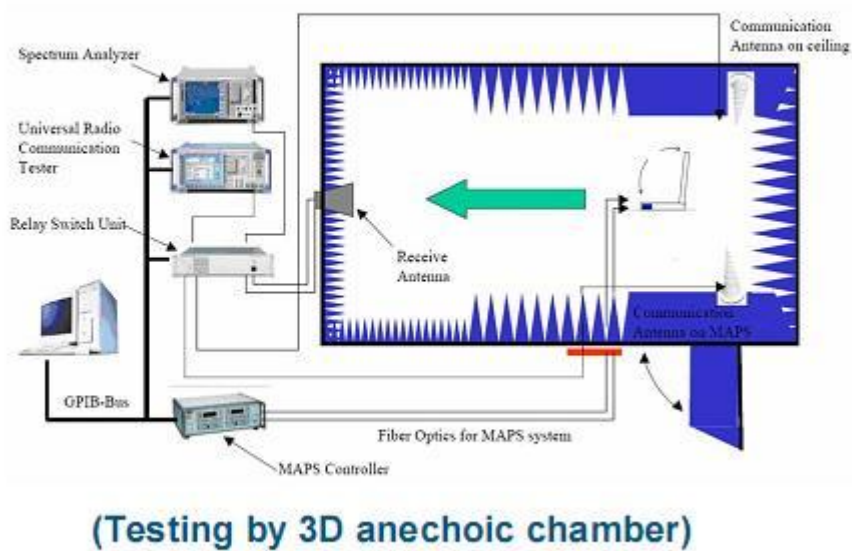
Electrical performance parameters	
Frequency range	880-960MHZ
Impedance	50 Ω
standing-wave ratio	≤ 2
Maximum gain	1.37dBi
efficiency	$> 26\%$
Polarization mode	vertical
Radiation direction	Omnidirectional
mechanical parameters	
Antenna size	63.9*4.3*0.5MM
Coaxial line type	/
Joint type	/
Salt spray test	24H
Environmental parameters	
operation temperature	-45°C--+85°C

3. Test equipment

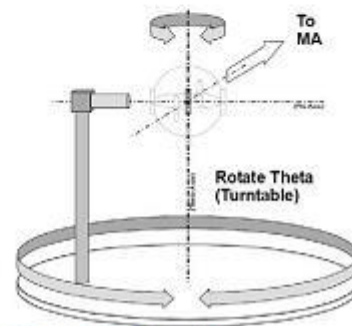
3.1. Agilent E5071C

3.2. CMW500 Agilent 8960

3.3. SATIMO-16 XH-24



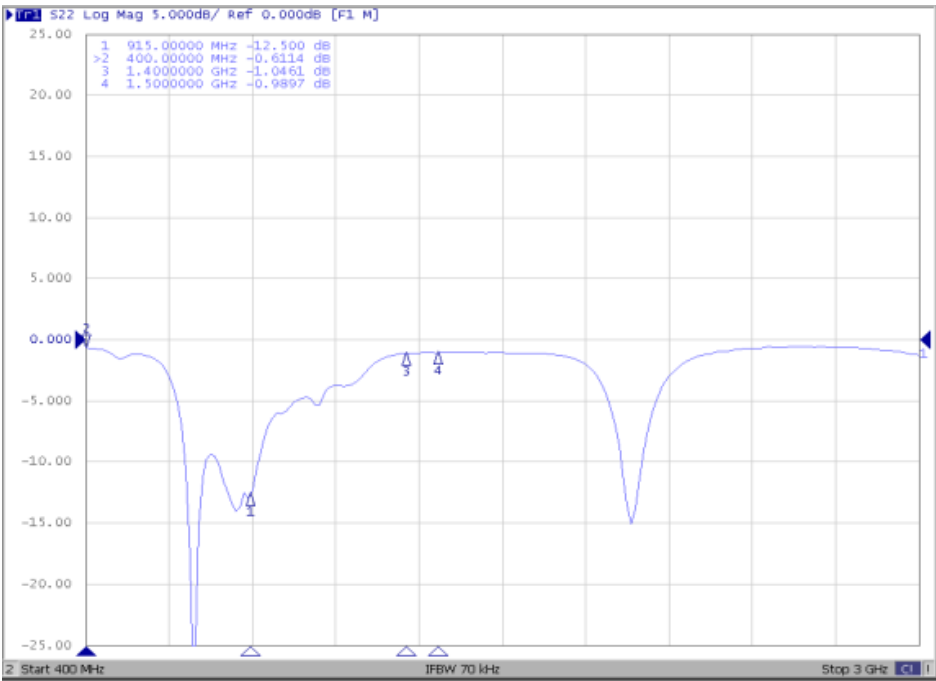
Phi axis test



Theta axis test

4. Antenna testing parameters

S11



915M弹簧		
Frequenc y/Mhz	Efficien cy	MaxGain/ dBi
880	26.3%	-0.6
890	30.4%	-0.67
900	31.7%	-0.41
910	35.1%	-0.57
920	38.1%	0.35
930	41.8%	0.3
940	43.1%	1.21
950	40.1%	1.27
960	40.7%	1.37