



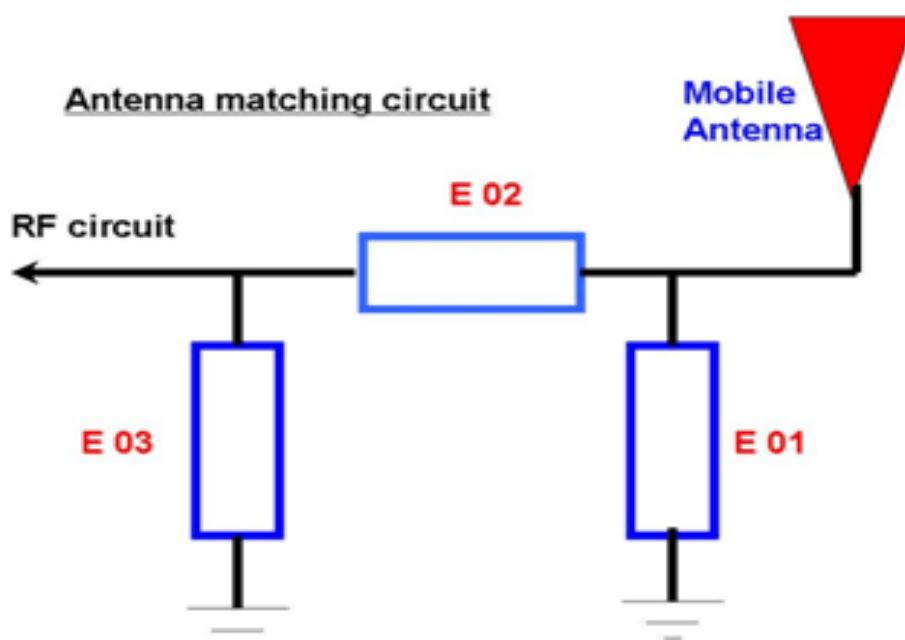
# Antenna Specification

<b>Client</b>	惠州市庆腾电子科技有限公司 (QingTeng Electron Company)
<b>Vendor</b>	深圳市小瑞科技股份有限公司
<b>Product</b>	YFC-433MHz Coiled Antenna)
<b>Sampling Time</b>	2018.06.30
<b>Code</b>	907-0124-00001

## The Antenna Specification

Frequency	433MHz	VSWR	$\leq 3$	Gain	$\geq -1\text{dBi}$
功率参数	最大值: 2W	Impedance	50 $\Omega$		

### Diagram for Test



### Testing

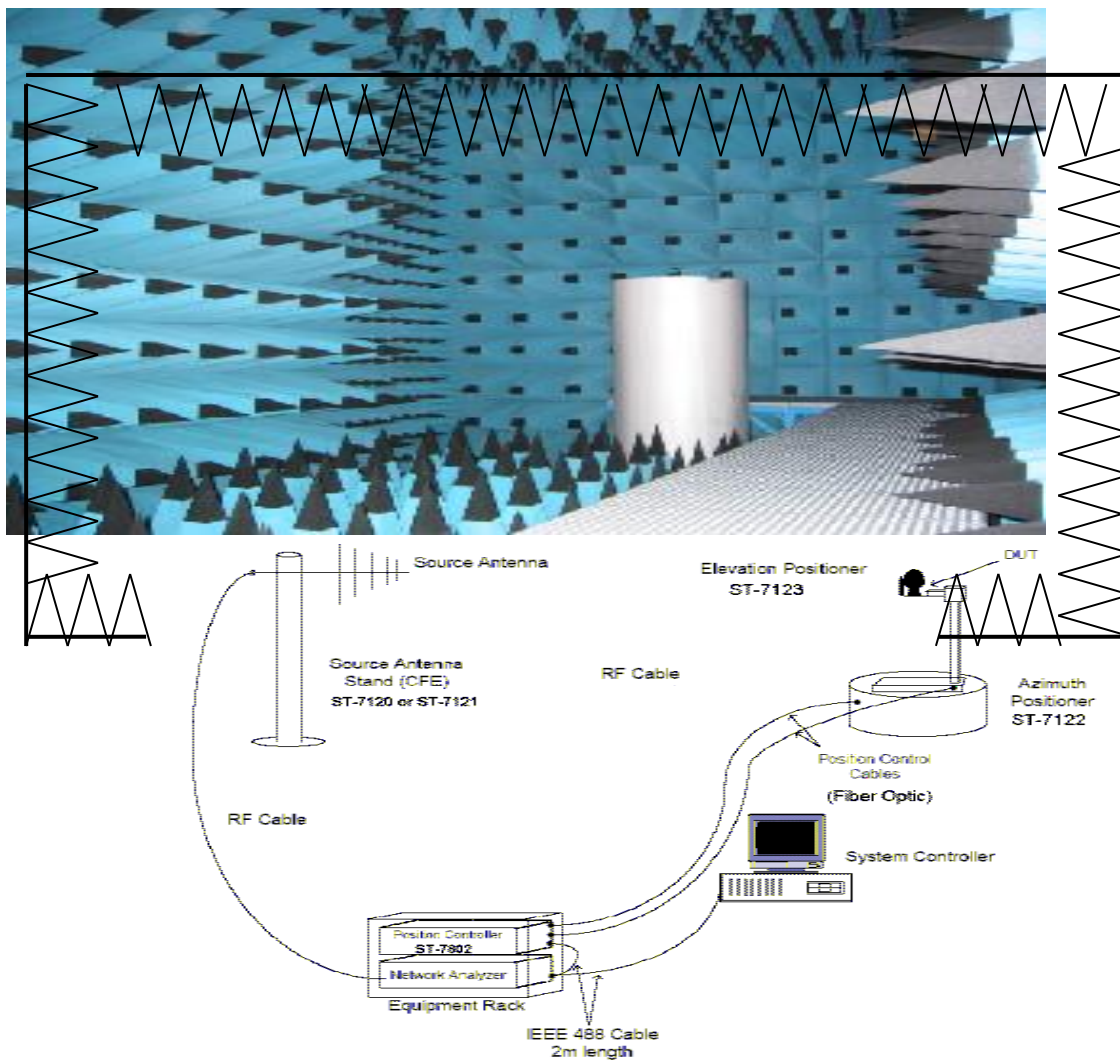
Test Equipment: Shielding Room (微波暗室) 三维自动

#### 433 频段

效率		增益	
Frequency	Efficiency ( )	Frequency	E Total. dB(dBi)
390MHz	51.12	390MHz	1.14
400MHz	52.27	400MHz	1.16
410MHz	51.39	410MHz	1.11
420MHz	50.23	420MHz	1.06
430MHz	50.53	430MHz	1.28

440MHz	50.12		440MHz	1.46
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## Test environment and method

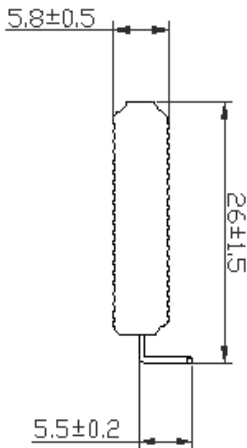
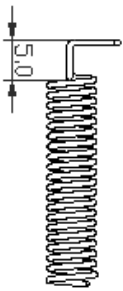
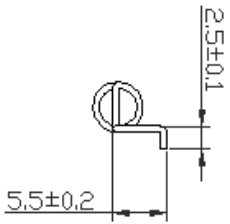
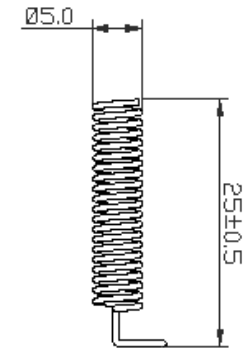


Chamber definition:

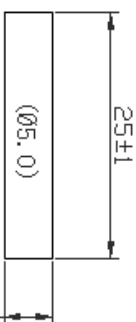
- An anechoic chamber(6mx4mx4m) which satisfied far-field condition was applied to avoid multi-path effect;
- The quiet room region is 60cmX60cmX60cm at the center of rotator;
- Two standard gain antenna are both BBHA 9120 LFA (0.7--6GHz).

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
10	SAMPLE		

成品



热缩管  
(管体标示Ø5.0)



实际Ø6.0

NOTES:

1. 弹簧材质: 磷铜;
2. 弹簧圈数: 20圈;
3. 弹簧外套热缩管;
4. 线径0.6MM

THE DIMENSIONS, FINISHES, AND TOLERANCES ARE TO BE INTERPRETED IN ACCORDANCE WITH THE DIMENSIONING SYSTEM AND TOLERANCE FOUNDATION IN USE UNLESS OTHERWISE NOTED.		DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED	
MATERIAL	FINISH	DATE	DATE
DESIGNED	CHECKED	DATE	DATE
SCALE: 1:1	unit:mm	DATE	DATE
TITLE <b>深圳市小瑞科技股份有限公司</b> <b>YFC-433 弹簧天线</b>		SIZE DWG NO.	REV
		A4	10
		DF	