

Project No.: Y230209251

Project No.: 2023.06.21

REV: A1

# Antenna SPEC

Customer name: SITERWELL ELECTRONICS CO., LIMITE

Customer project: GS888C

B&T P/N: 79070003

Spec.: built-in antenna-915.3MHz-spring- $\varnothing$  0.4 $\times$ OD4.6 $\times$ N9 $\times$ L18.82mm

Sealed by corporation:

compilation	verify	approval
Huangfeihui	Zhangshiyang	Liulihua

Sealed by customer:

check	verify	approval

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Document making / revising / abolishing resume



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### **3、 Product drawing**

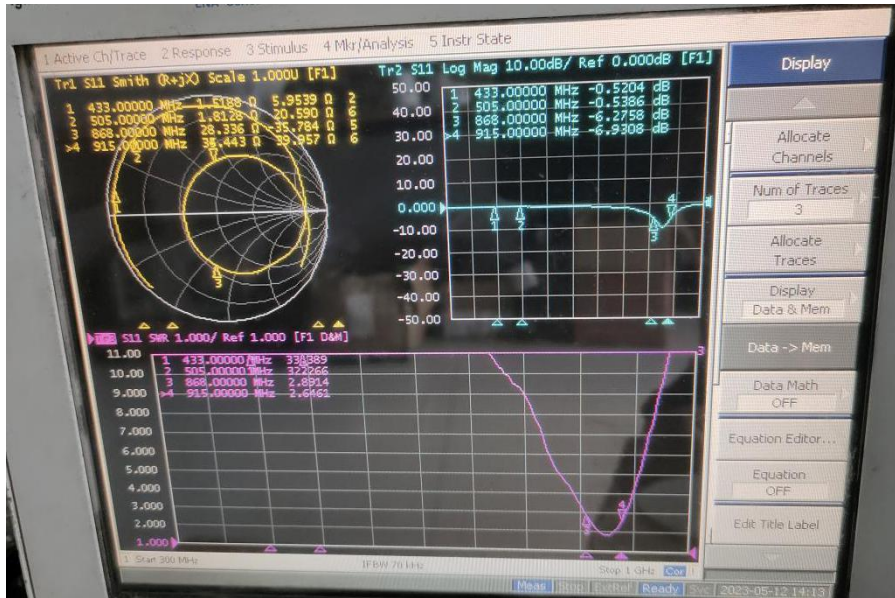
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E	<p>Technical requirements:</p> <ol style="list-style-type: none"> <li>1, the material is carbon steel, wire diameter of 0.4mm, nickel plating;</li> <li>2. The spring is right-rotated by 9 turns with a spacing of 1mm;</li> <li>3, spring surface clean and bright, no stains;</li> <li>4. * is an important dimension, and the unmarked tolerance shall be carried out according to the tolerance table;</li> <li>5. * R0.10 of the inner bending Angle not indicated;</li> <li>6: Products must meet the requirements of ROHS.</li> </ol>																																																																																																																																																				
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Freq Range	915.3MHz
Characteristic Impedance	50 Ω
VSWR	sample of reference project
The Max input power	<10w
Polarization mode	Polar linearization
Radiation mode	Omni directional
Antenna style	Spring
Mechanics Properties	
Length	18.82±0.5mm
Salt spray test	/
Environment parameter	
Operating Temp	-30℃~65℃

#### 4、Properties &parameter

#### 5、Electrical test report

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Electrical Performance Test Parameter Table

Freq/MHz	915.3MHz
VSWR	2.64

Gain & efficiency

Frequency (MHz)	Gain (dBi)	Efficiency (%)
901.0	-4.75	9.79
902.0	-4.80	9.58
903.0	-4.84	9.42
904.0	-4.86	9.29
905.0	-4.86	9.21
906.0	-4.92	9.01
907.0	-4.97	8.84
908.0	-5.01	8.67
909.0	-5.06	8.50
910.0	-5.12	8.31
911.0	-5.19	8.14
912.0	-5.25	7.96
913.0	-5.33	7.76
914.0	-5.42	7.55
915.3	-5.52	7.33

➤ **Direction diagram**

915.3M 3D-E1-E2-H