

YUEQINGLIYINELECTRONICCO., LTD

Gain Test Report

Product type	UHF wireless microphone transmitting spring antenna		
Model number	UHF-SA-500	Supplier	YUEQINGLIYINELECTRONICCO., LTD

I. Basic Parameters

1. Basic Parameters Working frequency band: 470 - 960 MHz
2. Impedance: 50 Ω
3. Maximum gain: 1.8 dBi
4. Line loss: < 0.3 dB
5. Standing Wave Ratio (VSWR): ≤ 1.5
6. Polarization mode: Vertical polarization
7. Power capacity: $\geq 1W$
8. Product form: PCB board-mounted spring antenna

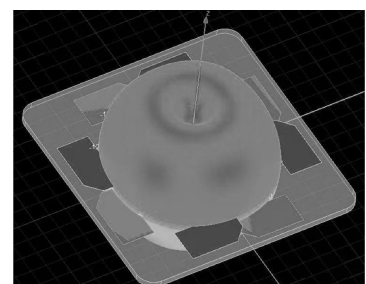
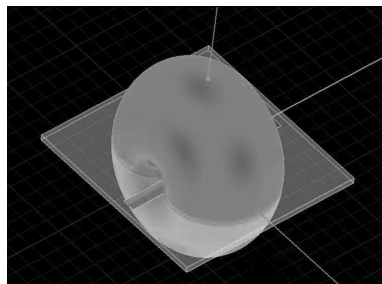
II. Mechanical Parameters

1. Material: Copper plated with gold
2. Height: 20 mm
3. Outer diameter of the spring: 6 mm
4. Wire diameter: 0.6 mm
5. Installation method: PCB soldering

III. Radiation Direction Diagram (Pattern/Apple Diagram) Explanation

1. Radiation type: Omnidirectional radiation
2. Planar pattern: Circular (uniform coverage of 360°)
3. Vertical plane pattern: "8" shape standard omnidirectional antenna pattern
4. Applicable scenarios: Wireless microphone mobile transmission, no signal blind areas

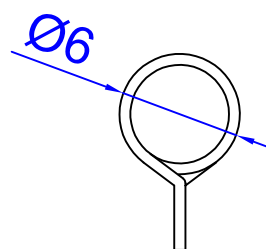
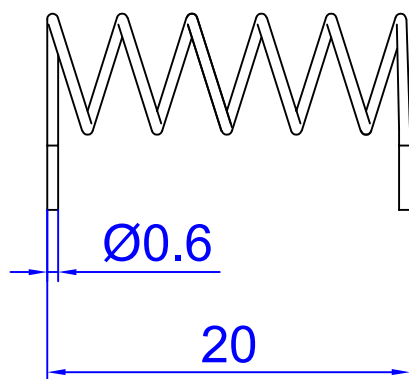
	Channel A	Channel B
1	661.1	662.9
2	660.8	662.6
3	660.5	662.3
4	660.2	662.0
5	659.9	661.7
6	659.6	661.4



IV. Test Conclusion

This antenna meets the requirements for wireless microphone transmission in the 470-960 MHz frequency band in terms of gain, VSWR and line loss. It also complies with the conventional EMC and RF certification testing standards.

Tester: Zhang Lehui



1. Unit: mm

						Spring antenna	乐清市利音电气有限公司					
						UHF-SA-500						
										429. WML. YK. 503		