



深圳市安威无线科技有限公司

行业领先的一站式通信射频天线解决方案制造商

Small Base Station Antenna Test Report

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携手共进 共创未来

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Project Debugging Introduction



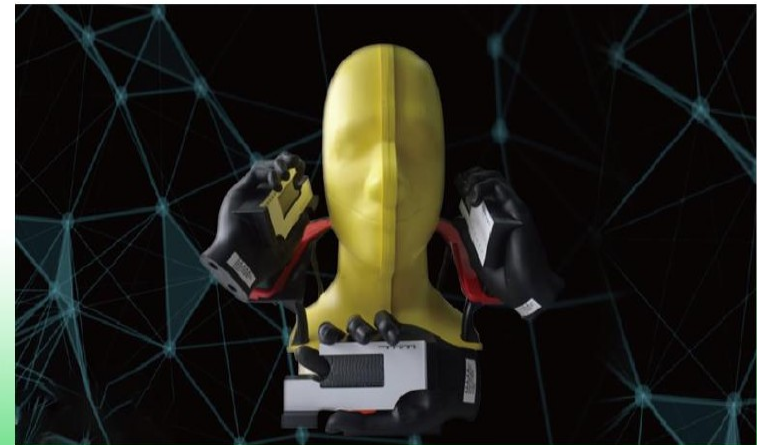
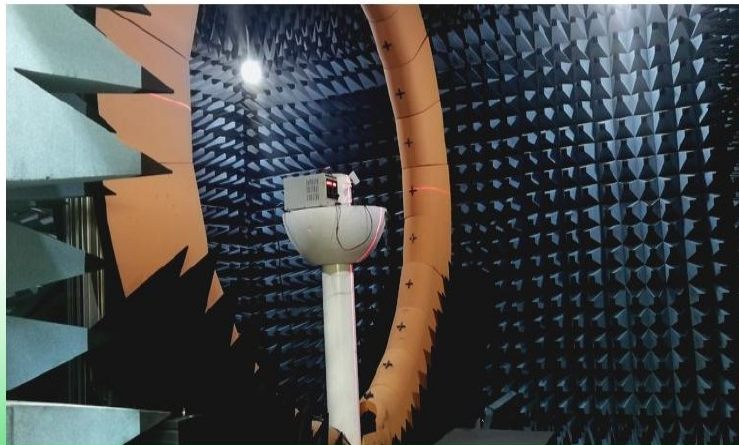
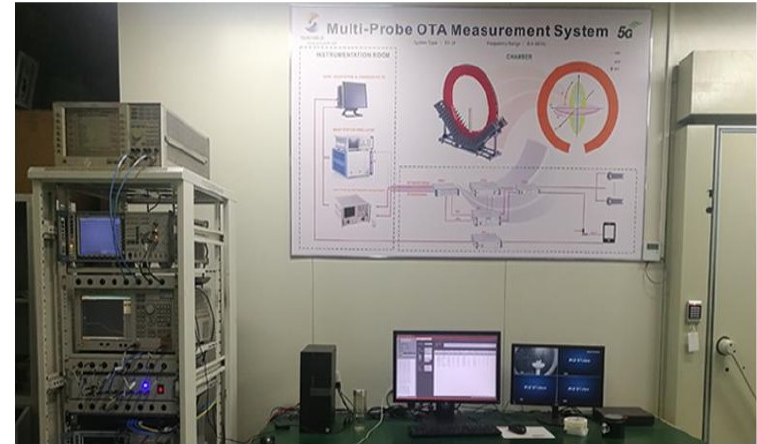
Project Test Introduction

Product Name	Small Base Station 小基站			
Frequency Band / Antenna Material	LoRa Operating Frequency: 868 MHz / 915 MHz			Material Spring 材料 弹簧
	LoRa	868MHz/915MHz		

Report Version Summary

Version	Date	Summary
V1	2022.02.19	Preliminary antenna debugging status
V2	2022.04.13	Preliminary sample debugging
V3	2022.04.14	Antenna efficiency optimization and debugging
V4	2022.04.29	Antenna testing

Project Development Environment



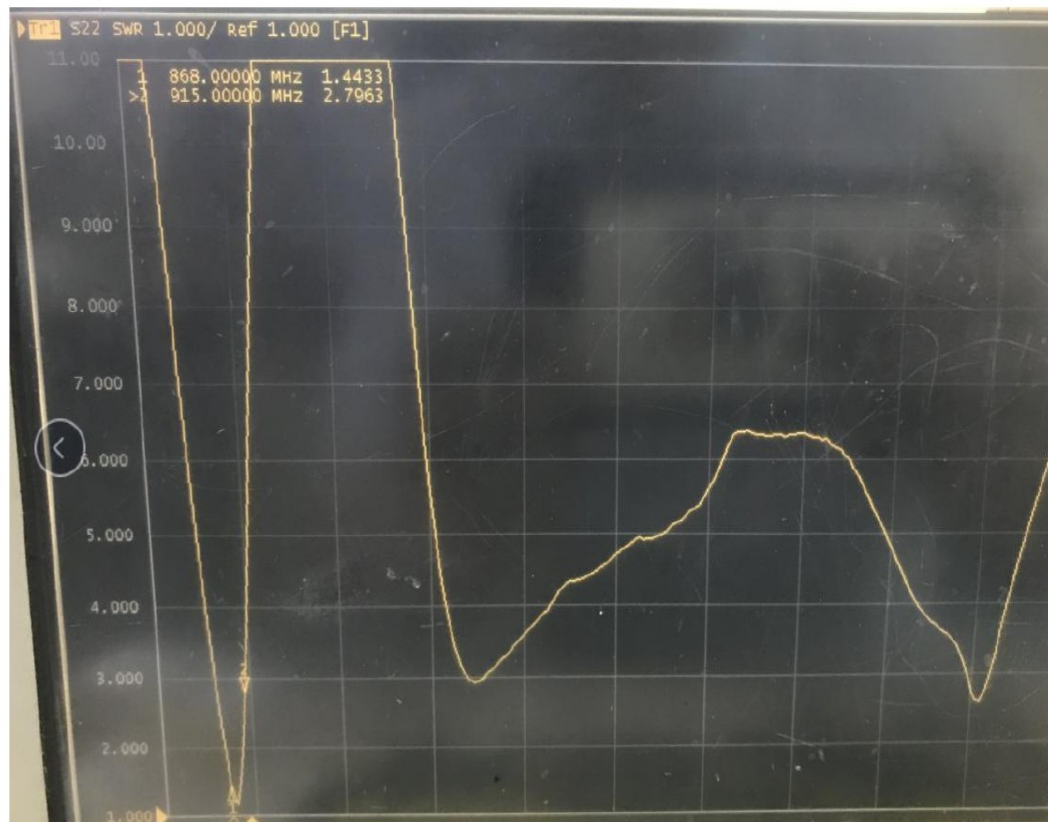
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Antenna Efficiency Test

Gain&Efficiency				
增益和效率				
frequency	gain	mingain	efficiency	efficiency
频率(MHz)	增益(dBi)	最小增益(dBi)	效率(dBi)	效率(%)
860	-1.65	-24.46	-4.39	36.36
870	-1.48	-28.23	-3.9	40.76
880	-0.32	-29.73	-2.91	51.19
890	0.33	-24.39	-2.59	55.05
900	0.75	-23.29	-2.4	57.53
910	0.39	-22.77	-2.91	51.21
920	0.24	-21.42	-3.39	45.84

Passive VSWR





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The End

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