

M100 2ND Antenna test report

上海圣丹纳无线科技有限公司

Shanghai Saintenna Wireless Technology Co., LTD.
Room 601, Building 1, No. 69 Yuanfeng Road, Baoshan
District, Shanghai

Project Information

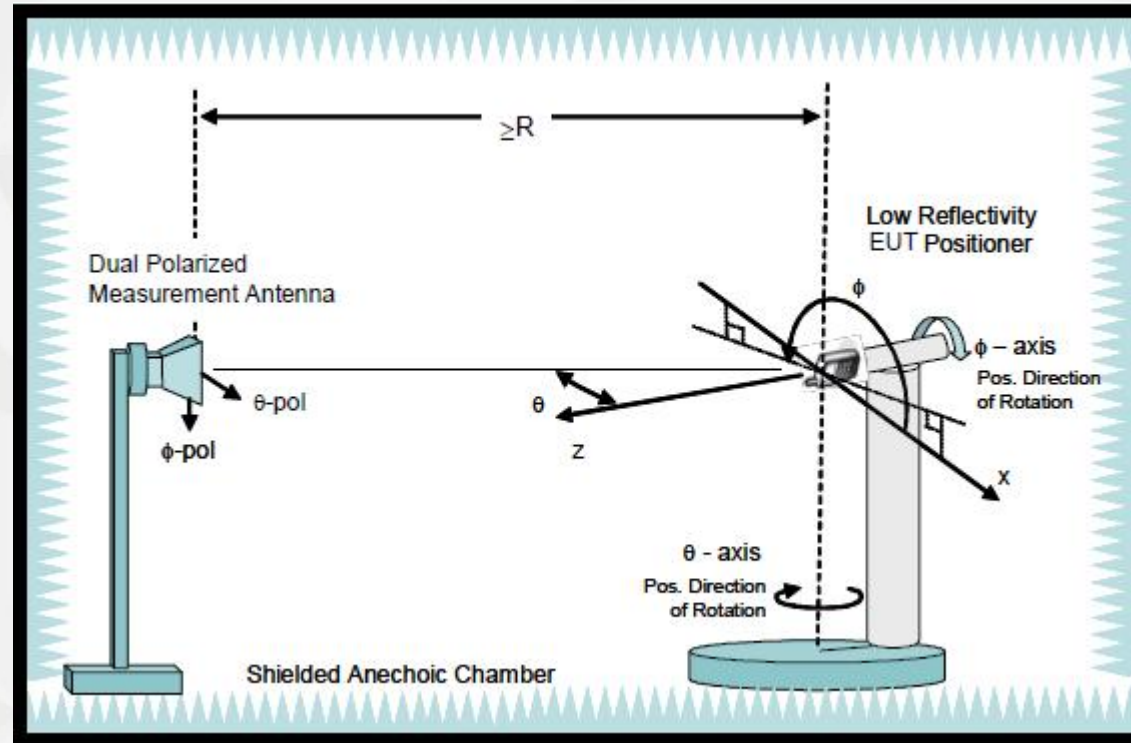
客户名称 Customer Name	Elitech Technology, Inc.
项目名称 Project Name	M100 2ND
工作频段 Working Band	863-873MHz/910-920MHz
规格 Description	
版本 Version	V1.0
日期 Date	2025.8.4

Tuning Instrument

Network Analyzer	Agilent E5071C
Frequency Range	100KHz ~ 8.5GHz
Test Item	Return Loss/VSWR/Smith Chart /Isolation

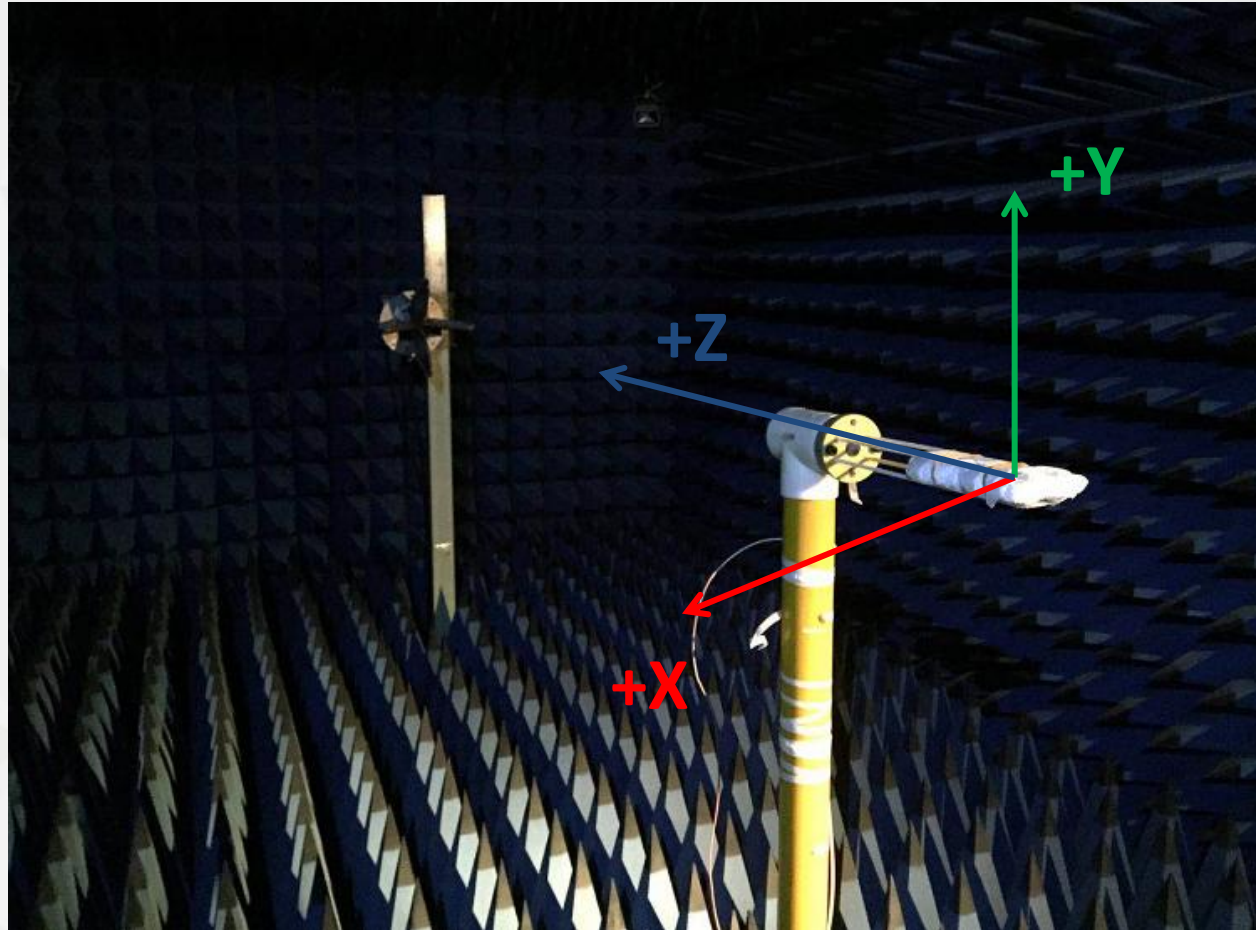


Typical Setup for Test System



Combined-Axes System

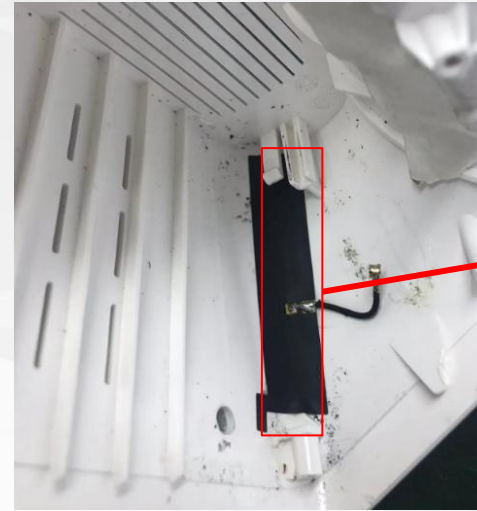
Anechoic Chamber



Combined-Axes System

Comment: E1 plane means XZ section, E2 plane means YZ section, H plane means XY section.

Antenna Sample Description

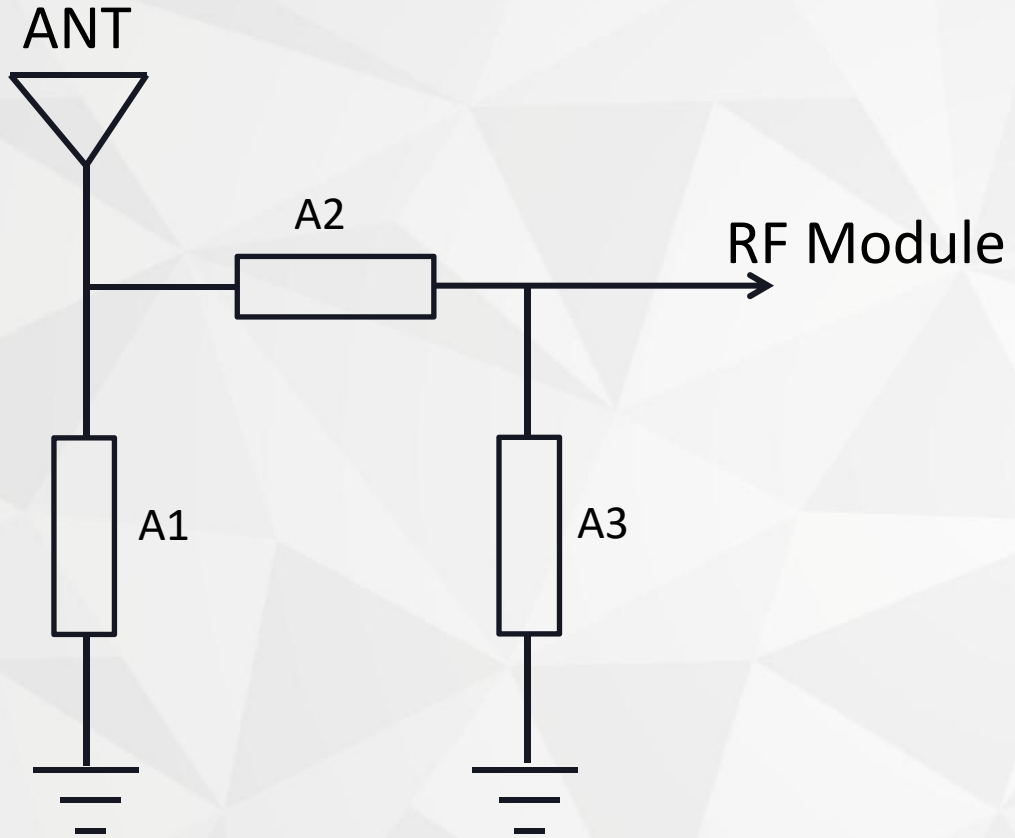


天线位置

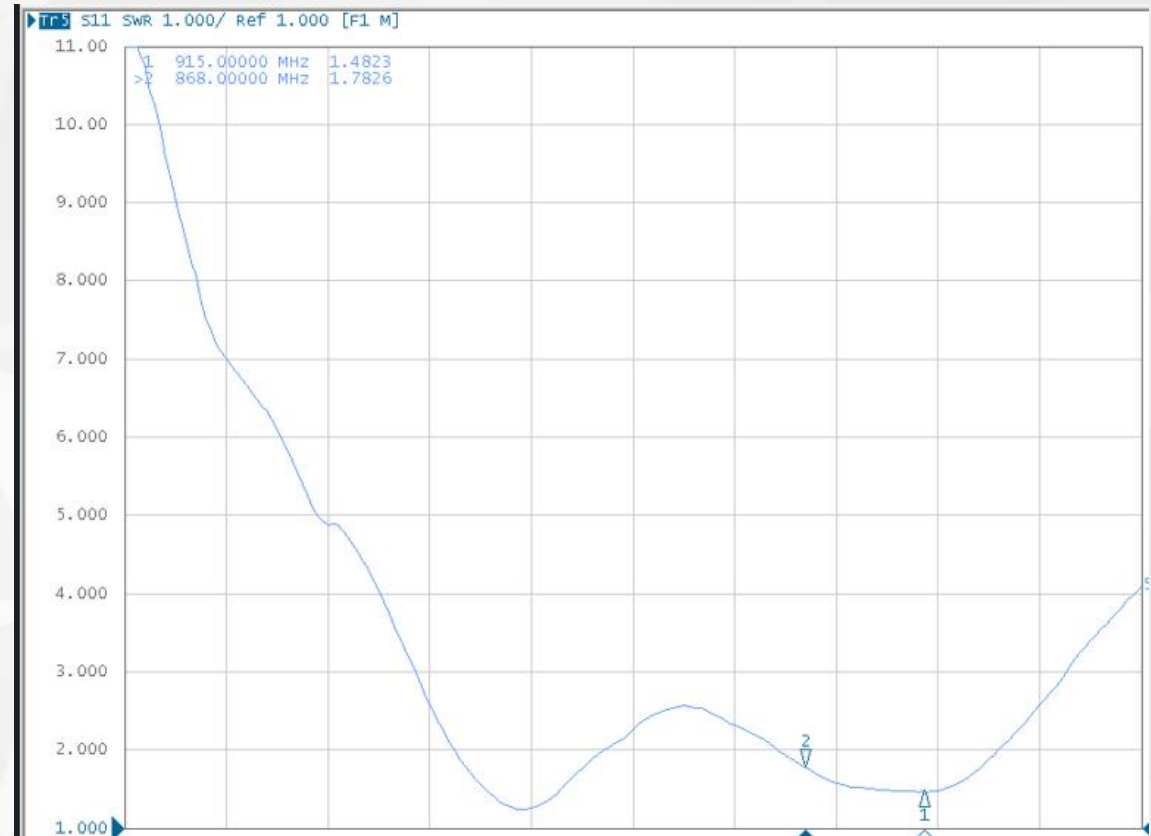
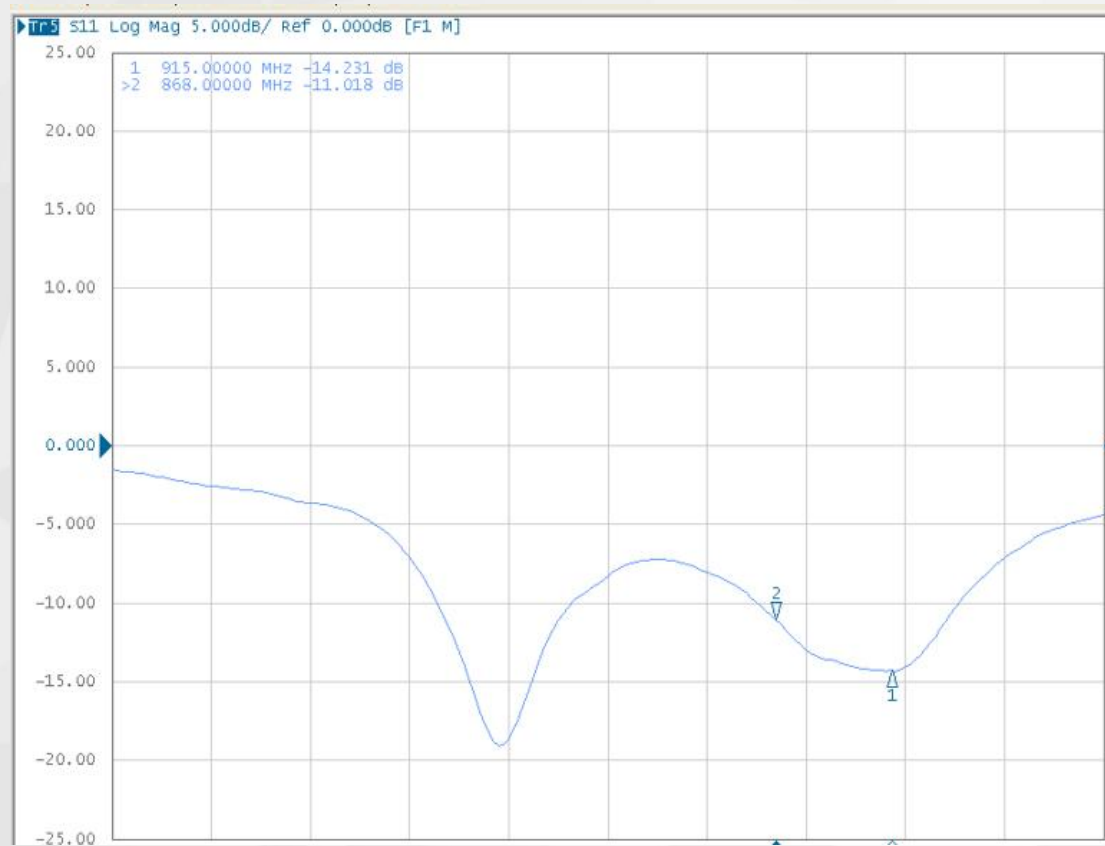


Cable线出
线方向

Matching Circuit



A1	/
A2	0ohm
A3	/

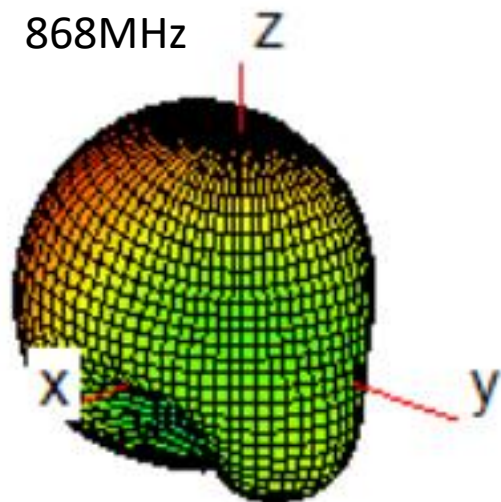


Test Result - Passive

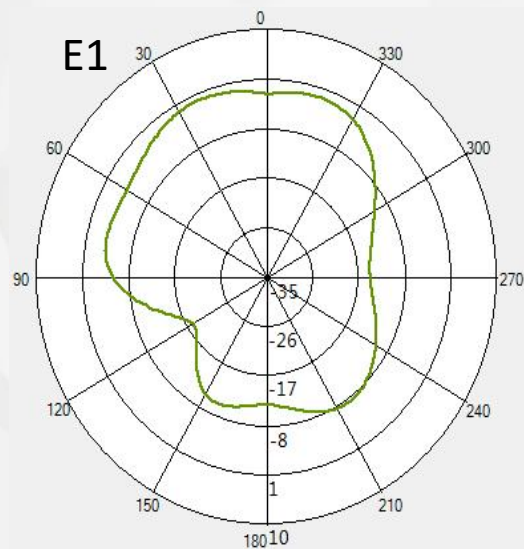
Freq. (MHz)	Gain (dBi)	Eff.
863	3.64	59.18%
868	3.7	60.73%
873	3.7	61.4%
910	3.79	63.61%
915	3.55	63.26%
920	3.51	63.41%

Radiation Pattern

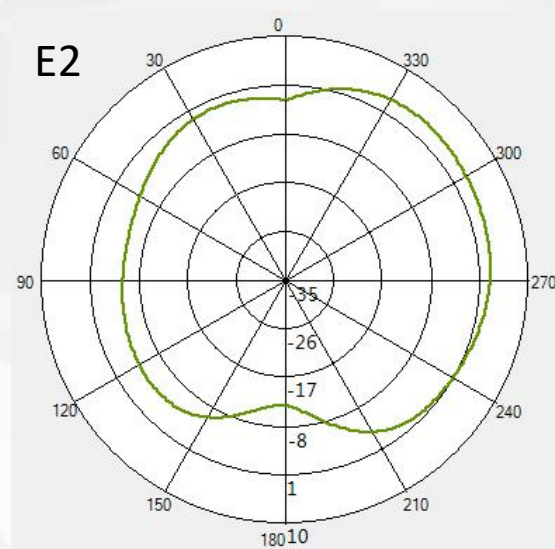
868MHz



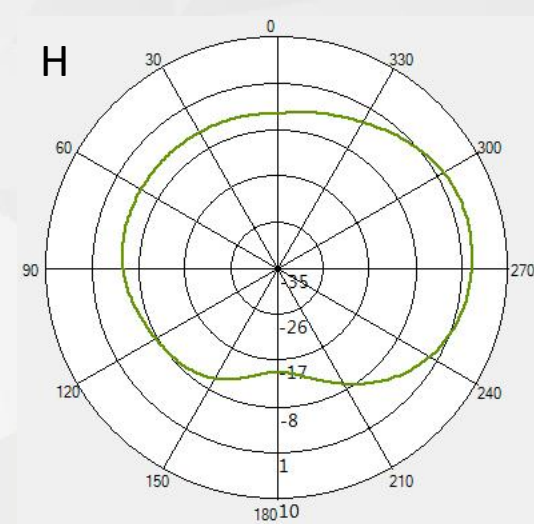
E1



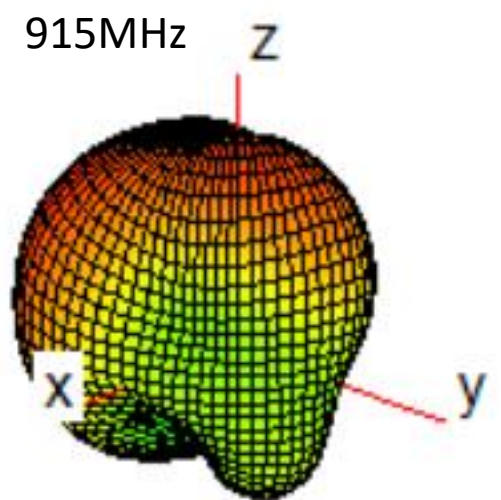
E2



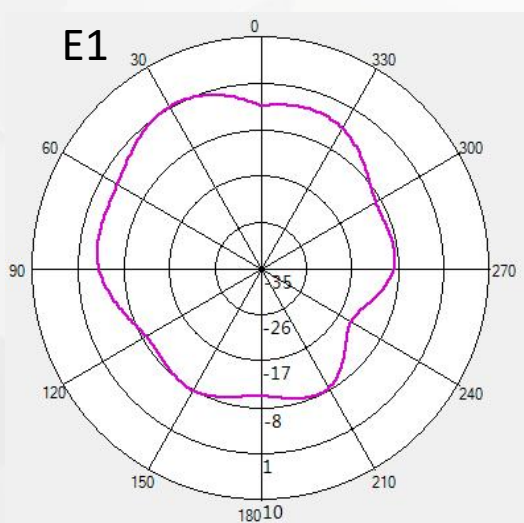
H



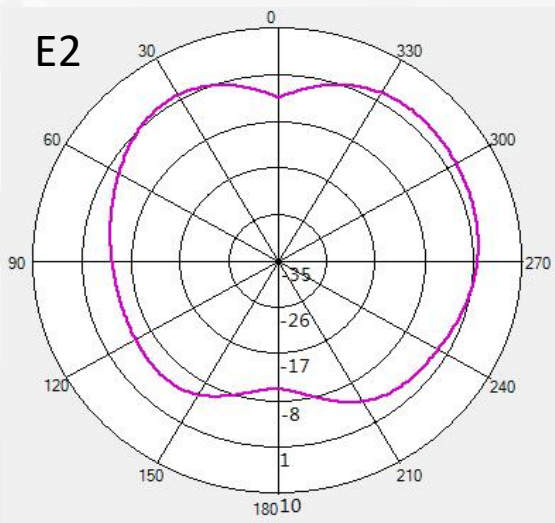
915MHz



E1



E2



H

