

test report

Customer name: Project Name: 868-928MHz

Zhongshan Bo'antong suction cup antenna

Development Case Number: Version number: V1.0

Y202106290169

Antenna frequency band: 868-928MHz

Band range: 868-928MHz

Structural engineer: Radio frequency

Ke Youjie engineer: Liu Lihua

Review person: Guan Ning Production date:

20210722

Revised date	Revision content	expurgator	Original version

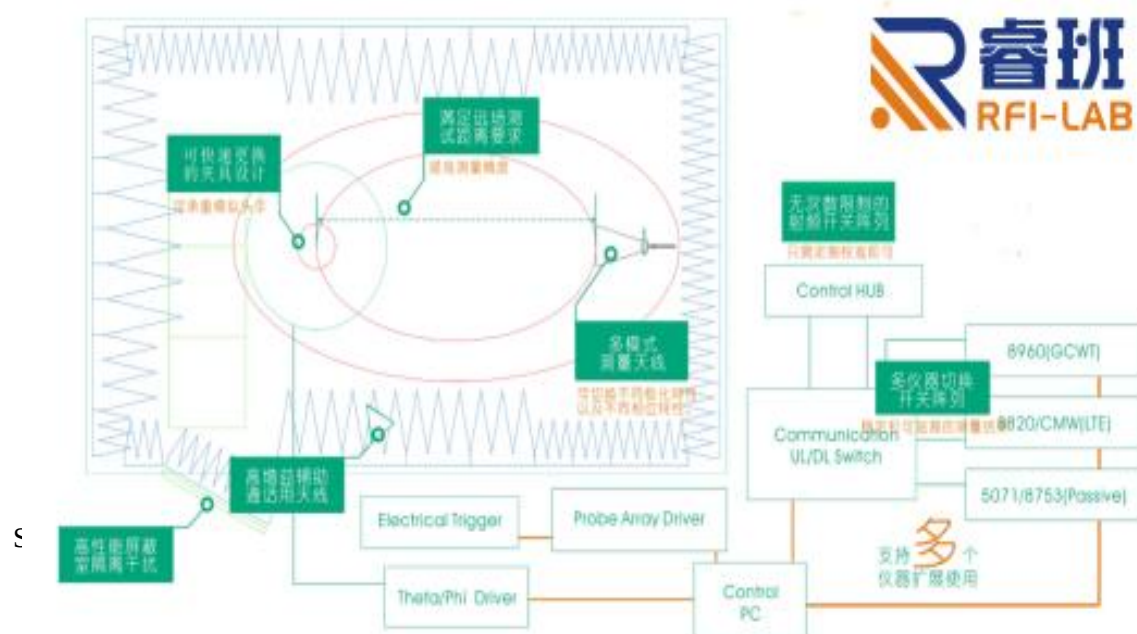
一、explain

This report summarizes the electrical performance results of the antenna of the 868MHz Antenna project, including the S11 parameters of the antenna, Efficiency, gain.

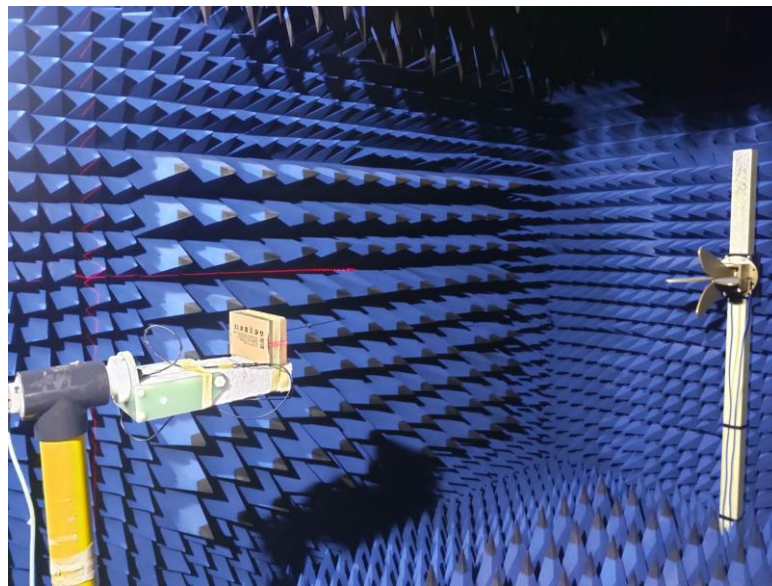
二、Schematic diagram of antenna installation



三、Test schematic diagram of the microwave dark chamber

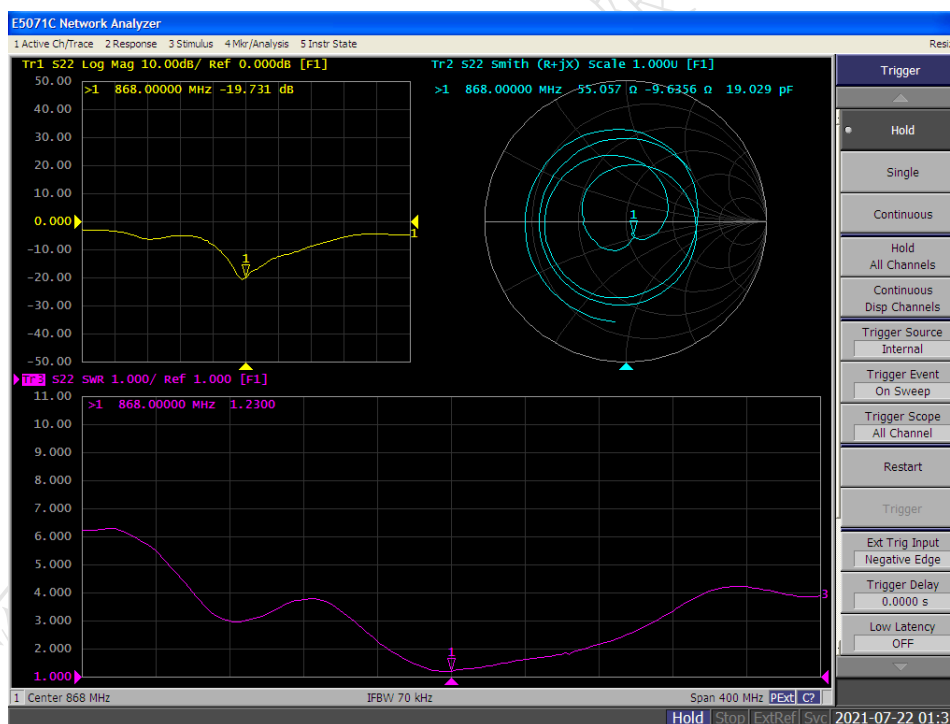


Antenna test darkroom placement position:



Antenna passive test data

Parameter diagram of the antenna S11



➤ Resident Bobby data

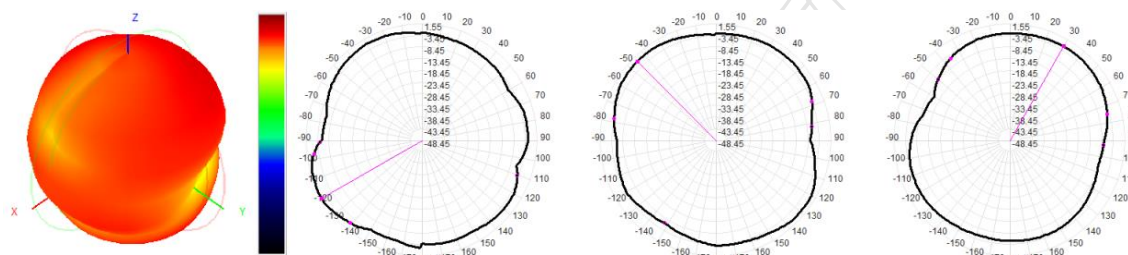
Freq/M Hz	868MHz
VSWR	1.23

➤ Antenna darkroom test data

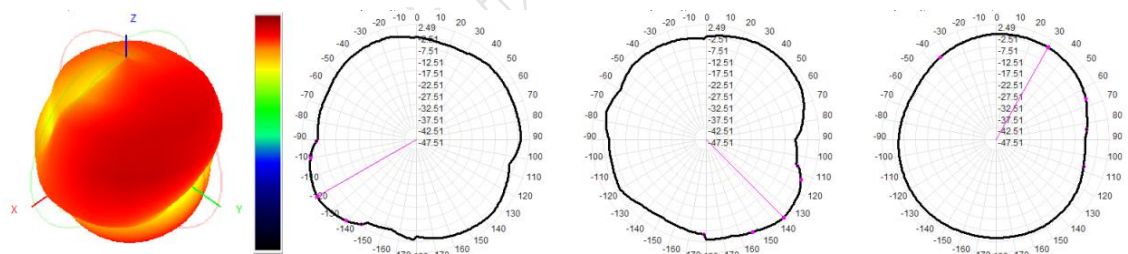
Frequency (MHz)	Gain (dBi)	Efficiency (%)
818.0	1.62	54.46
828.0	1.75	56.18
838.0	2.07	58.00
848.0	2.32	58.82
858.0	2.48	60.12
868.0	2.49	59.49
878.0	2.44	58.37
888.0	2.42	58.44
898.0	2.34	57.49
908.0	2.52	58.65
928.0	2.63	58.80

antenna pattern

818M 3D-E1-E2-H



868M 3D-E1-E2-H



928M 3D-E1-E2-H

