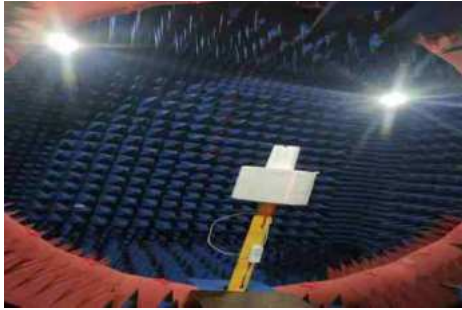


History

Version	Report Date	Revision Description	Prepared by
A1	2024. 12. 9	Antenna Test Report	yehui Luo

Antenna manufacturer information:
Name: Shenzhen Feigete Intelligent Technology Co., LTD
Address: Room 307-311, 3rd Floor and 4th Floor, Building 12, No. 30, Jianlong Street, Bao 'an Community, Yuanshan Street, Longgang District, Shenzhen City

测试设备说明 Test equipment description



24-probe microwave anechoic chamber



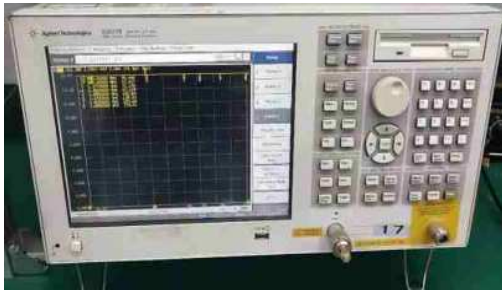
CMW500



7*4*3M ETS microwave anechoic chamber



Agilent 8960



Agilent E5071B



High and low temperature test chamber



MT8820C



HP8753ES

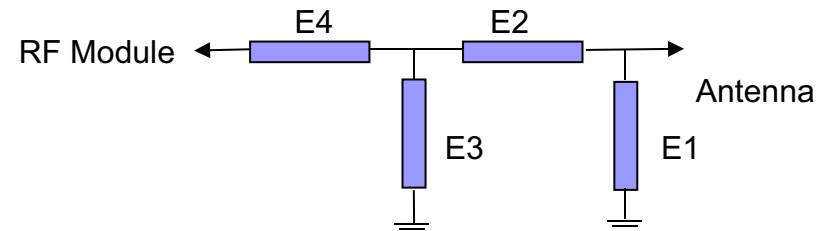
Test system	Test environment	Active testing	Passive testing
ETS microwave anechoic chamber 24-probe microwave anechoic chamber	Temperature: $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$ Humidity: $50\% \pm 15\%$	Support 2G/3G/4G Support NB-IoT/CAT-M/BT/WIFI	700MHz—6G

Project Commissioning Introduction

Model	D200			
Antenna type	PCB			
Frequency band and antenna material	Main antenna	Frequency band		Material
		2G	/	/
		3G	/	
		LTE	/	
	Other antennas	Diversity	/	/
		Bluetooth	2. 4G	On-board
Performance requirements	Execute as per the customer's requirements			

Description of Matching Circuit

The antenna matching remains unchanged



RF Module

Antenna

E4

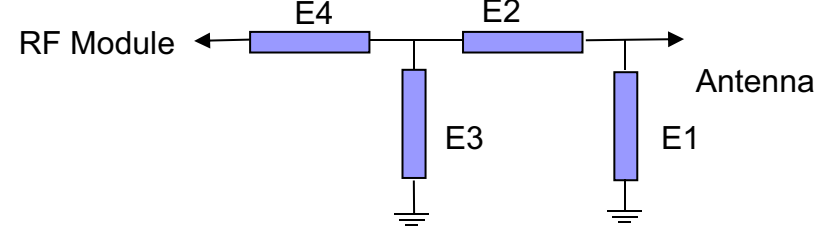
E2

E3

E1

Main antenna

Element	Value
E1 (0402)	N/A
E2 (0402)	0 Ω
E3 (0402)	N/A
E4 (0402)	0 Ω



RF Module

Antenna

E4

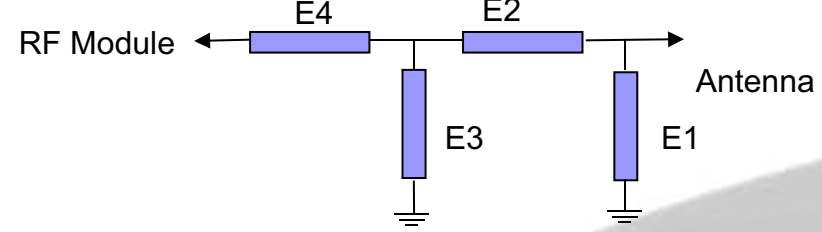
E2

E3

E1

GVB antenna

Element	Value
E1 (0402)	N/A
E2 (0402)	0 Ω
E3 (0402)	N/A
E4 (0402)	0 Ω



RF Module

Antenna

E4

E2

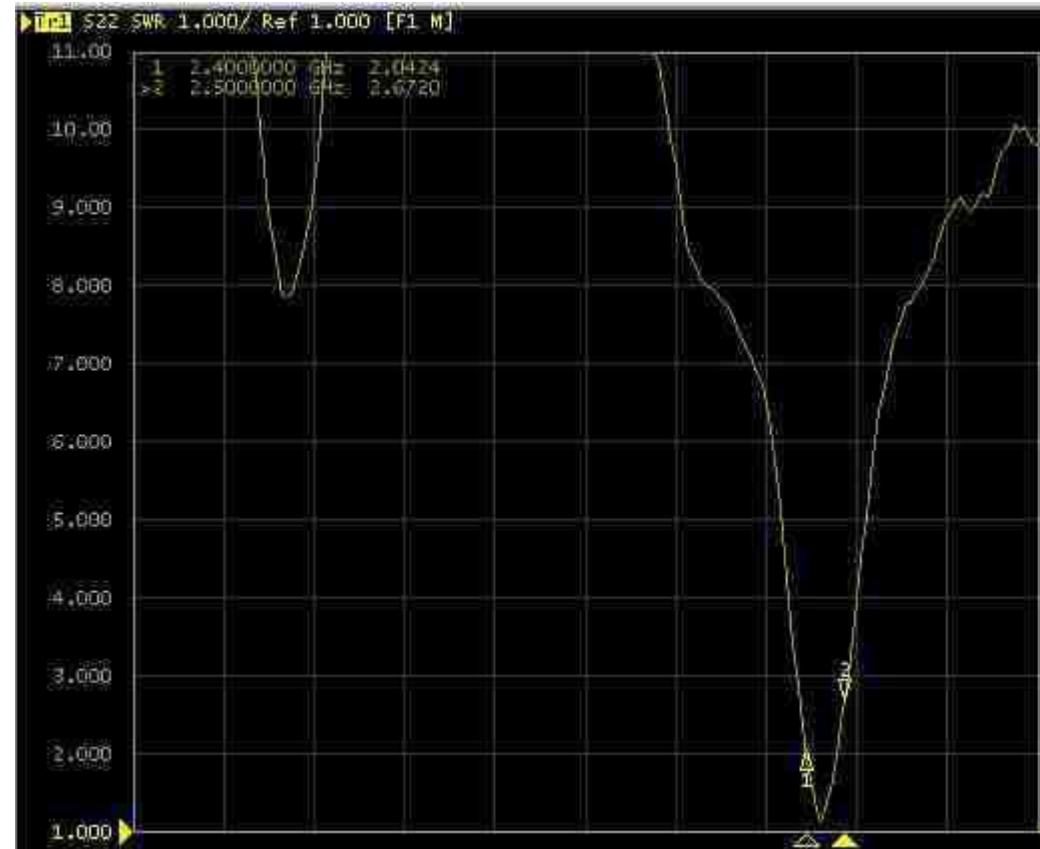
E3

E1

DIV antenna

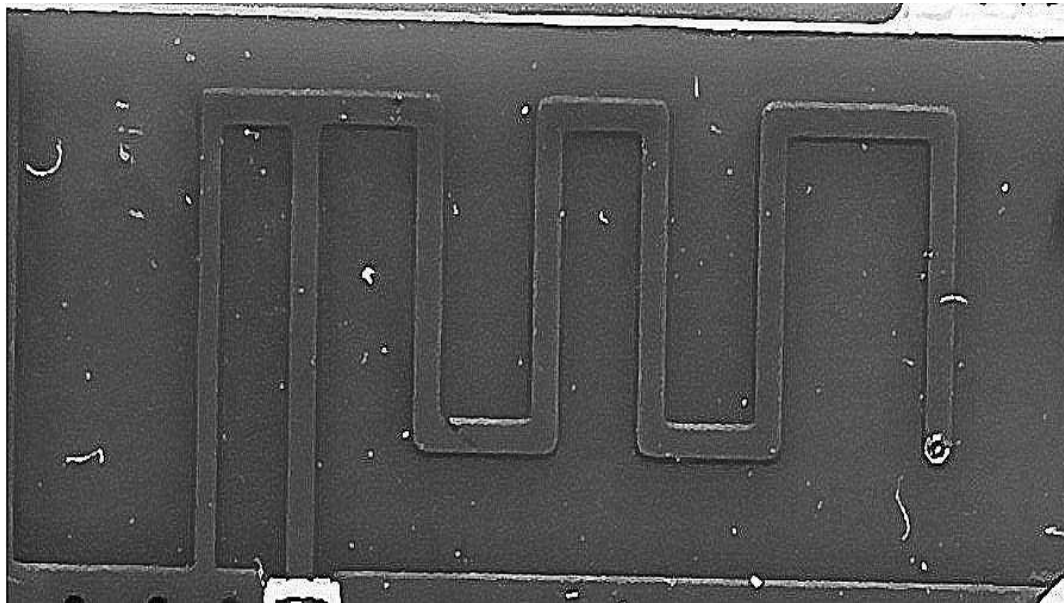
Element	Value
E1 (0402)	N/A
E2 (0402)	0 Ω
E3 (0402)	N/A
E4 (0402)	0 Ω

Antenna standing wave



Electrical Specifications	
Frequency Range (MHz)	2400-2500
Input Impedence (Ω)	50
Gain (dBi)	-1.7
Connect Type	PCB

Antenna Layout & module on the system board



2470MH z 2D/3D

