

Product Specification Acknowledgement

Product name: 983-65

Custom name: 麦创芯

Part No.: /

1. purpose

Standardize the product specifications and test methods of mobile communication terminal antennas produced by Shenzhen Aihui Technology Co., Ltd. to avoid errors caused by different test conditions and methods.

2. Product category and product model overview

This report provides an overview of the electrical results of the antenna designed for the 983/65 project. This antenna is designed for the frequency band: 2.4G/WIFI band.

3. Basic parameters and description of experimental equipment

Product electrical performance indicators	
Frequency range	2400-2480MHz
VSWR	2400-2480 MHz: < 1.5
Gain	2400-2480 MHz: 1.0dBi
REE	2400-2480 MHz: > 50%
impedance	50 ohm
products	
FPC	CU+PI
environment	
temperature	- 30°C ~ + 85 °C
store	- 30°C ~ + 85 °C

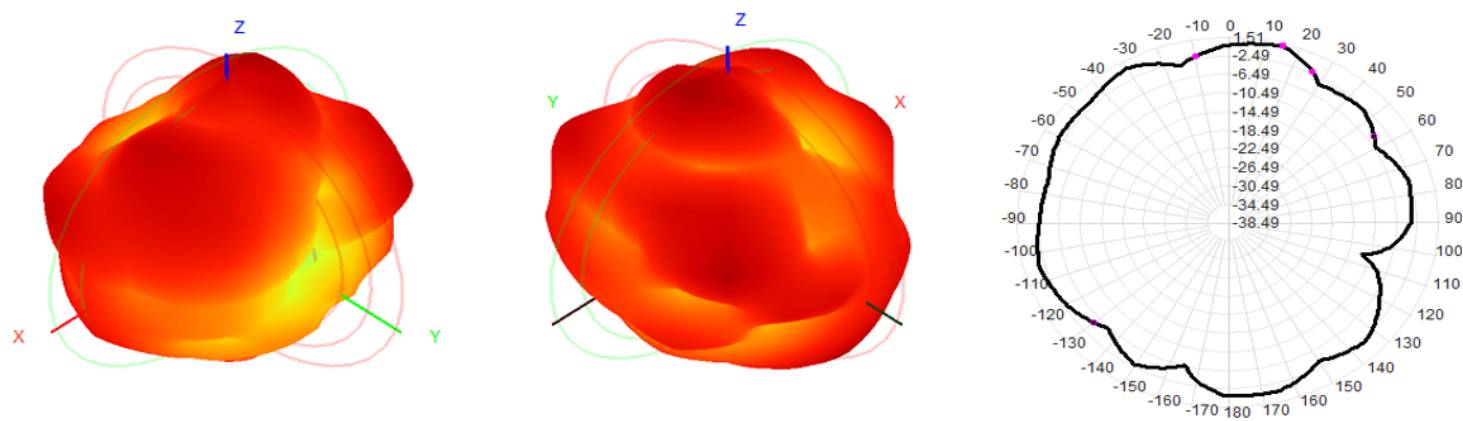
List	Testing project	Equipment
1. S Parameters	1.Return loss 2. VSWR at	Network analyzer: Agilent 8753ES
2. Coupling power test	1. Transmission power 2. Receiving sensitivity	Comprehensive tester: Agilent 8960 E5515C
3. Radiation pattern and gain	1. Radiation pattern 2. Antenna gain	1. Darkroom: 7x4x3 m (3D) 2. Network analyzer : Agilent 8753ES

4.DATA

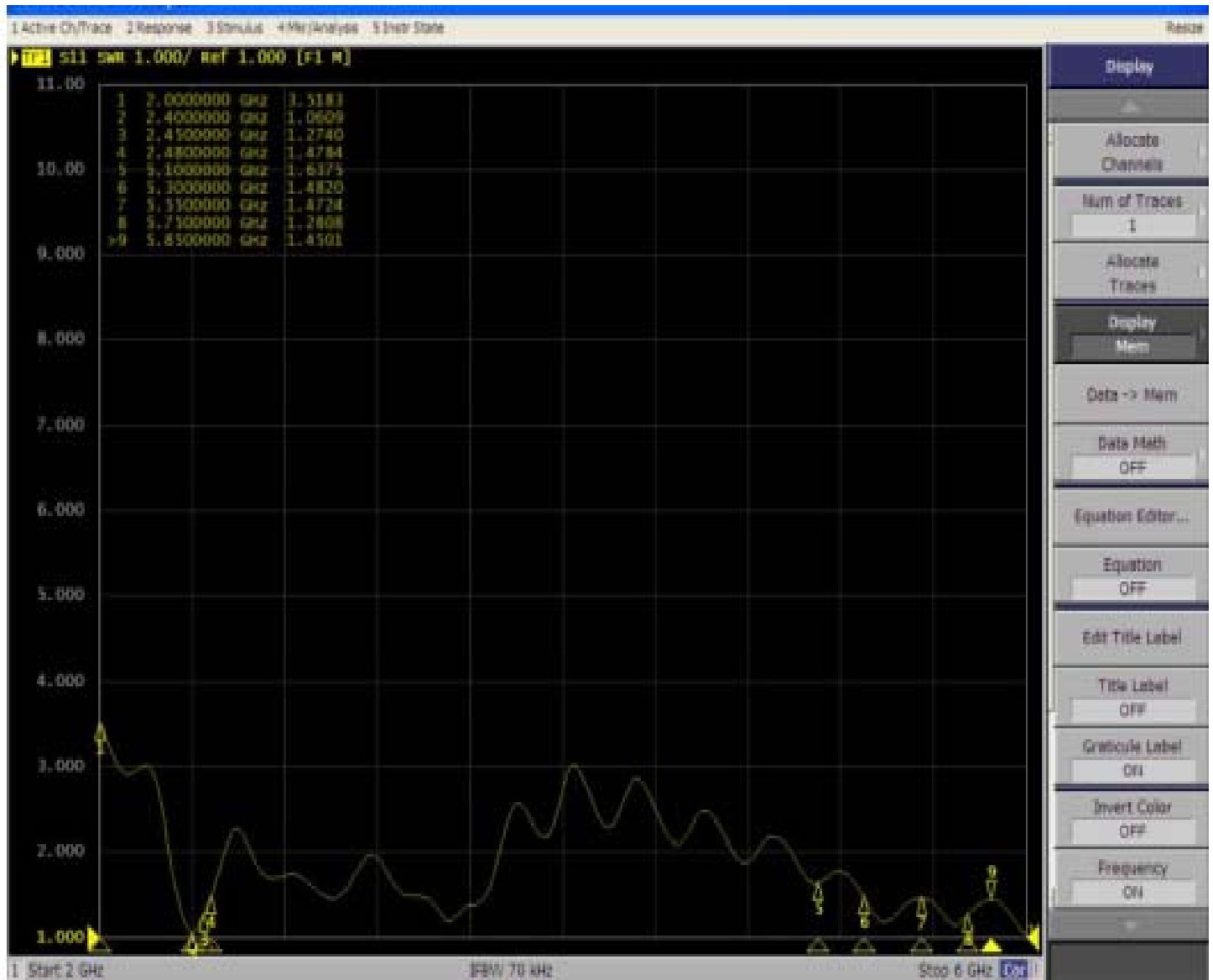
4.1 Wifi:2.4G efficiency /Gain

Fre.(Mhz)	Efficiency(%)	Gain(dBi)
2400	54.2	0.14
2410	52.3	0.25
2420	52.5	0.30
2430	53.5	0.28
2440	55.6	0.30
2450	57.5	0.47
2460	51.4	1.00
2470	52.3	0.30
2480	53.3	0.24

5.1 Antenna 2.4G Apple Chart



6.1 VSWR



7.1 Antenna

