

Manufacturer:Lenze Technology Co.,LTD

Address:26c newspaper west tower, 6008 shennan Avenue,Futian District, Shenzhen City, GuangdongProvince,China

Antenna specification

1 GENERAL INFORMATION

1.1 Test Environment Condition

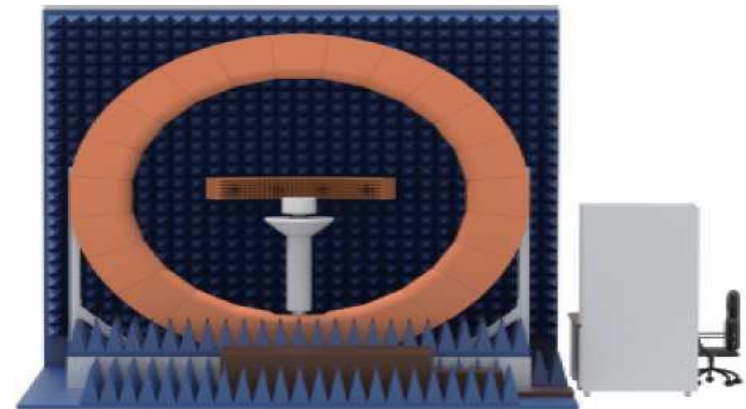
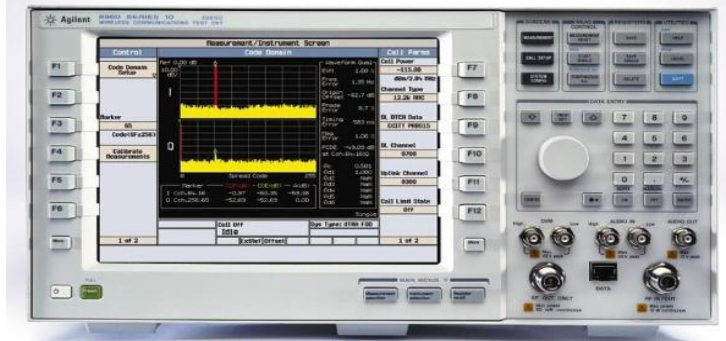
Ambient Temperature	19 to 25 °C
Ambient Relative Humidity	45 to 55 %
Ambient Pressure	N/A (Not applicable)

1.2 Announce

- (1) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (2) The test report is invalid if there is any evidence and/or falsification.
- (3) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (4) This document may not be altered or revised in any way unless done so and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

2.TestSystem

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5071B
OTA Test	TRP&TIS	Agilent 8960 & CMW500 STIMO
Gain & Efficiency	Gain & Efficiency	SATIMO Agilent 5071C



Purpose

This report is to measure the performance of antenna for The antenna operating frequency at 2400MHz0-2500MHz 。 All test data are showed as below.

Content

1. Product Overview & Dimension
2. Test system
3. Test Result

3.1 S11 Parameter

3.2 Gain & Efficiency

3.3 2D Pattern

4 OTA

4.1 Test Result

4.2 2D Pattern

3.1 Test Result

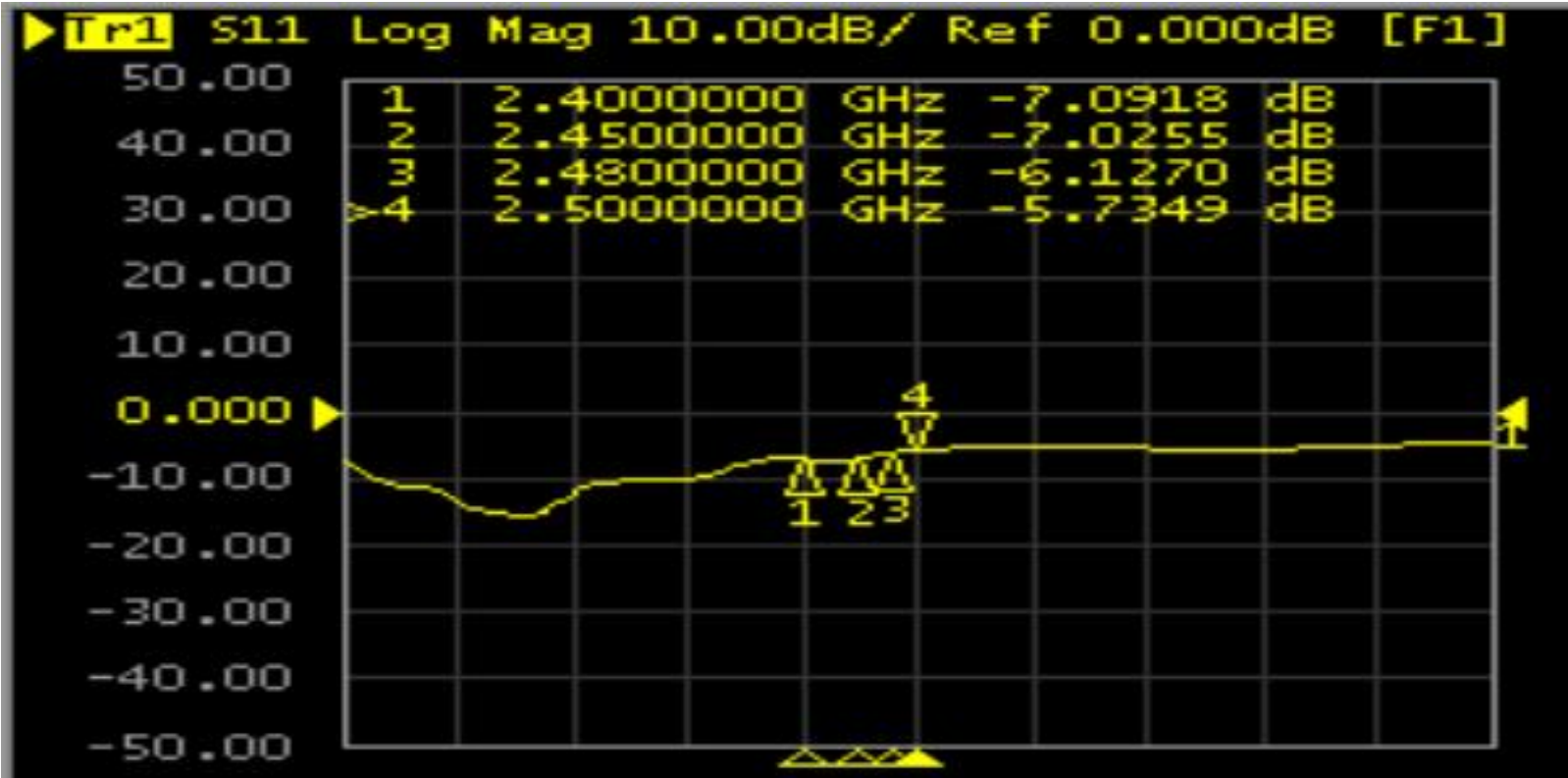
1 .S11 Parameter-VSWR



Frequency (MHz)	2400	2450	2480	2500
VSWR	2.58	2.60	2.95	3.13

3.1 Test Result

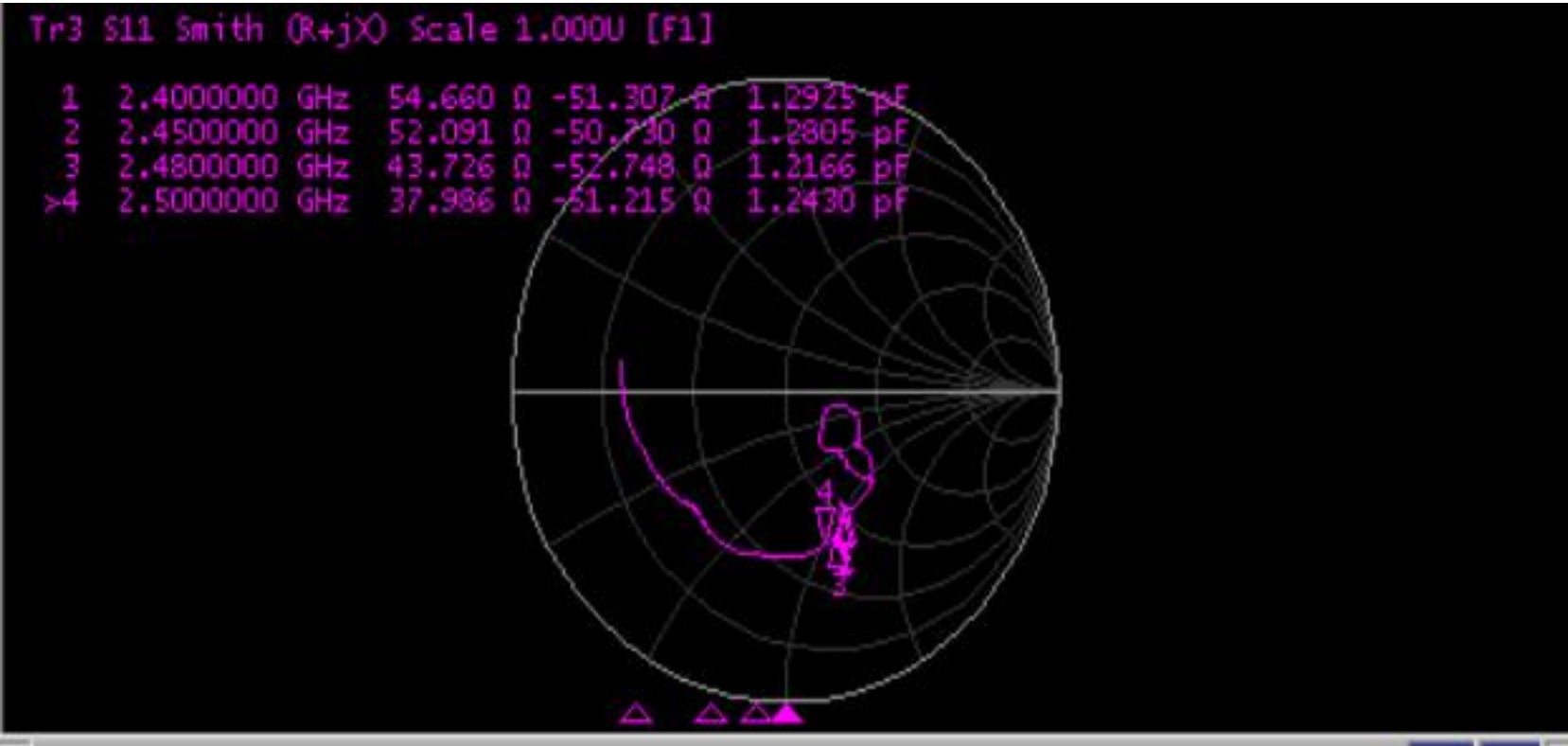
2. S11 Parameter-Log Mag



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-7.09	-7.02	-6.12	-5.73

3.1 Test Result

3.S11 Parameter-Smith



Frequency (MHz)	2400	2450	2480	2500
Smi th(Ω)	54.66	52.09	43.72	37.98

3.2 Test Result

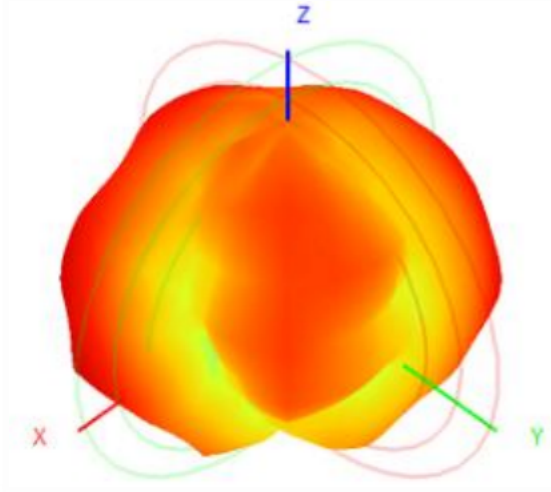
1 Gain & Efficiency——**ANT**

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	39.38	2.32
2410	40.23	2.41
2420	42.25	2.36
2430	45.07	2.39
2440	46.79	2.50
2450	48.19	2.44
2460	49.11	2.46
2470	49.63	2.42
2480	50.07	2.49

3.3 Test Result

1 2D Pattern——*BTANT*

2440.0MHz Total, Eff: 39.4%



Back View

