



深圳合翊讯科技有限公司
Shenzhen Heyixun Technology Co., Ltd.

Customer	合翊讯
Project	SS
Antenna Revision	A3
Prepared by	15993920520
Checked by	17279710721
Date	2026. 07. 09

Purpose

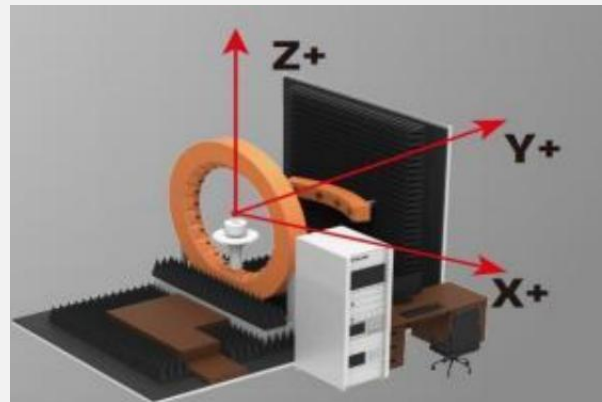
This report is to measure the performance of antenna for **SS** The antenna operating frequency at 2400-2500MHz & 5100-5850MHZ, All test data are showed as below.

Content

- 1. Test system
- 2 . Product Overview & Dimension
- 3. Test Result
 - 3. 1 S11 Parameter-VSWR
 - 3.2 Gain & Efficiency——ANT
 - 3.3 2D Pattern——ANT
 - 3.4-OTA Data

1. Test System

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



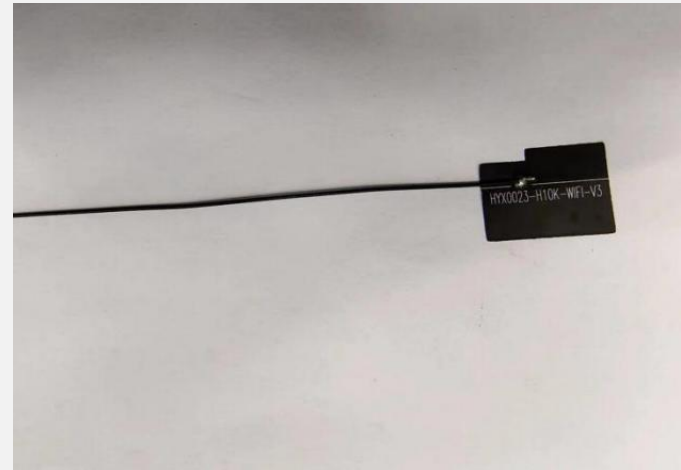
Front



Back

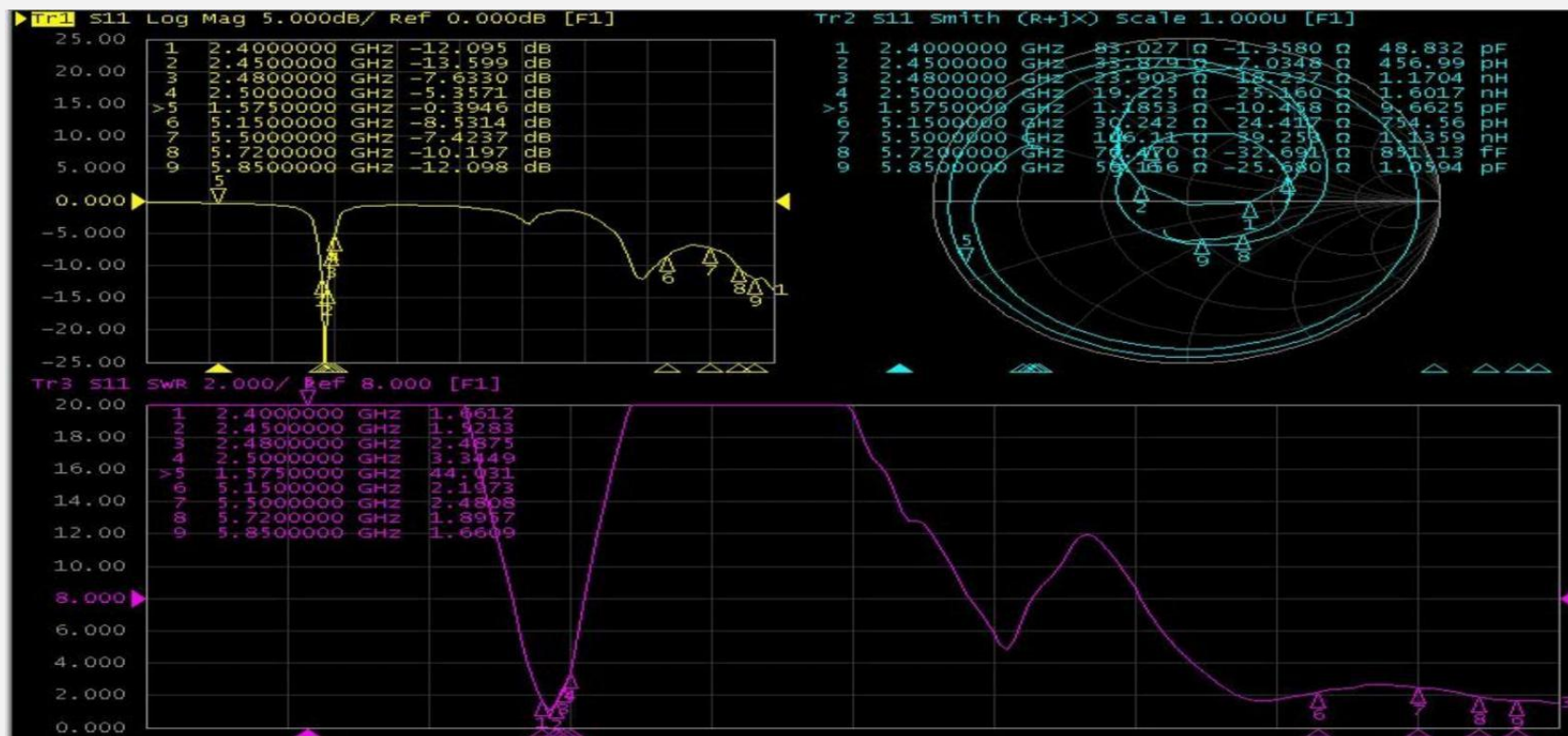


antenna



3. Test Result

3.1 S11 Parameter-VSWR



Frequency (MHz)	2400	2450	2480	2500	5150	5500	5720	5850
Log Mag	-12.09	-13.59	-7.63	-5.35	-8.53	-7.42	-10.19	-12.09
Smith(Ω)	83.02	33.87	23.90	19.22	30.24	106.11	76.47	50.16
VSWR	1.66	1.52	2.48	3.34	2.19	2.48	1.89	1.66

3. Test Result

3.2 Gain & Efficiency—**ANT**

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	40.58	3.77
2410	41.28	3.91
2420	42.33	4.12
2430	42.46	4.17
2440	45.77	4.36
2450	47.21	5.11
2460	50.26	4.71
2470	47.82	4.55
2480	47.51	4.32
2490	46.33	4.14
2500	45.39	4.11

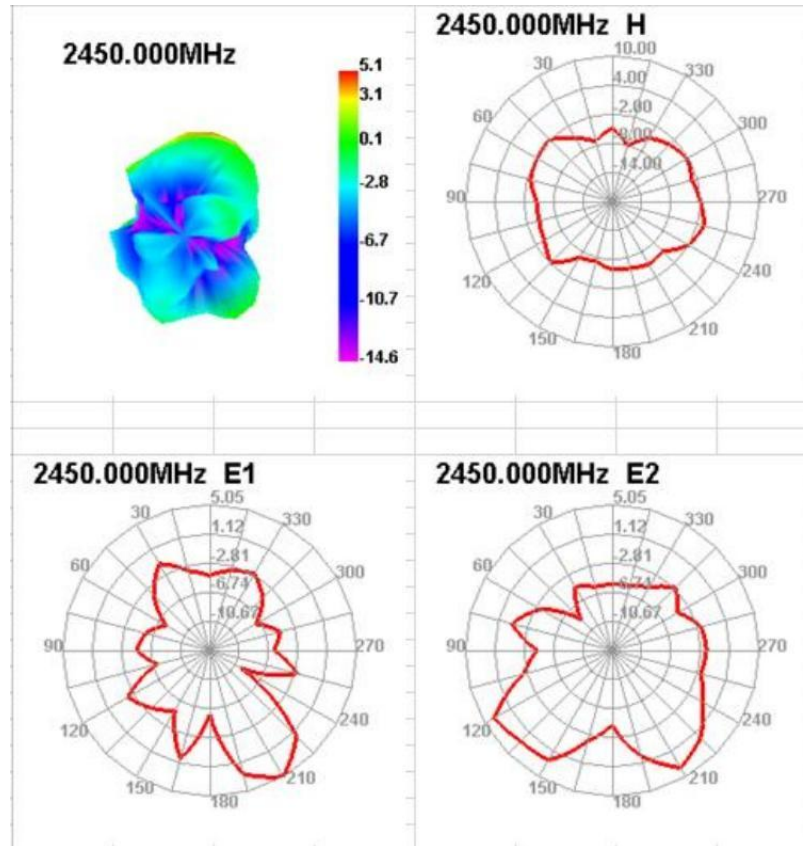
3. Test Result

3.2 Gain & Efficiency—**ANT**

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
4800	52.46	4.34
4900	52.77	4.76
5000	53.48	5.41
5100	54.37	5.42
5200	55.41	5.43
5300	54.33	5.50
5400	57.94	5.47
5500	48.53	5.34
5600	55.21	5.31
5700	55.59	5.27
5850	52.95	5.12

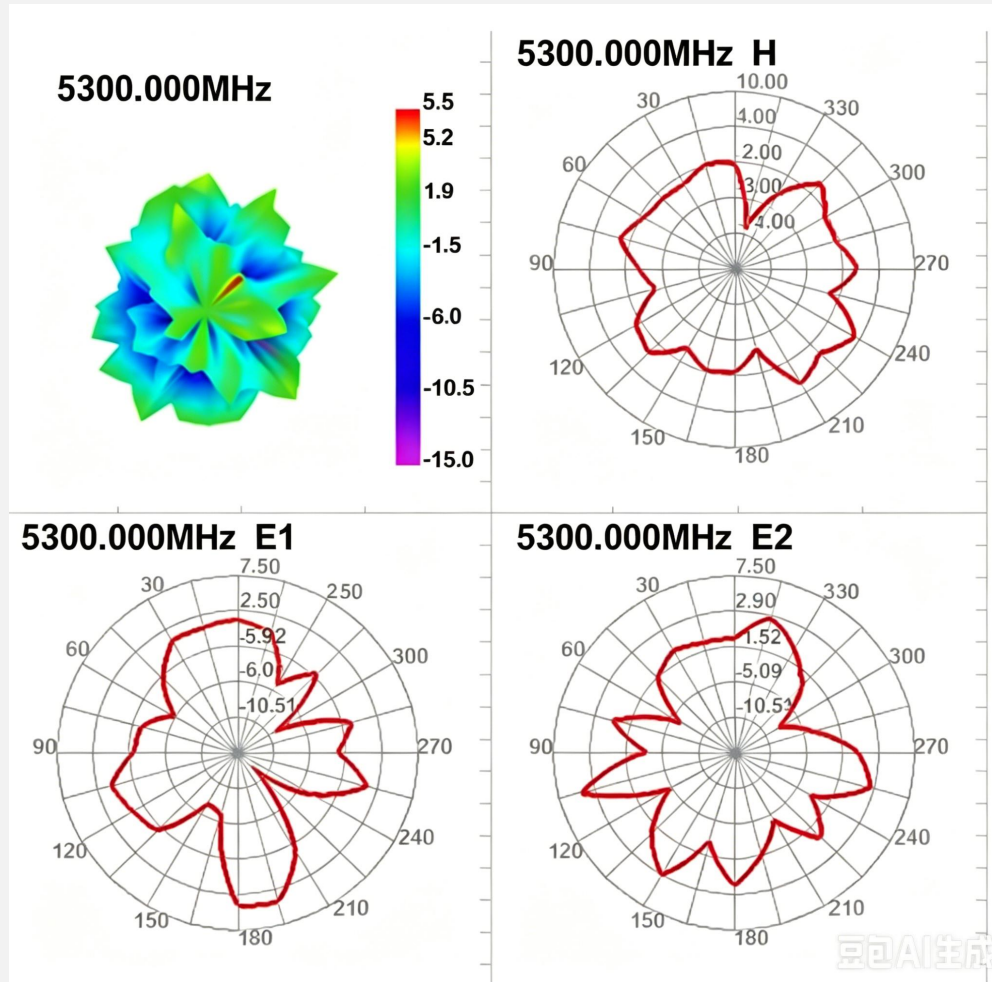
3. Test Result

3.3 2D Pattern——ANT



3. Test Result

3.3 2D Pattern——ANT



WORK REPORT

谢谢观看