

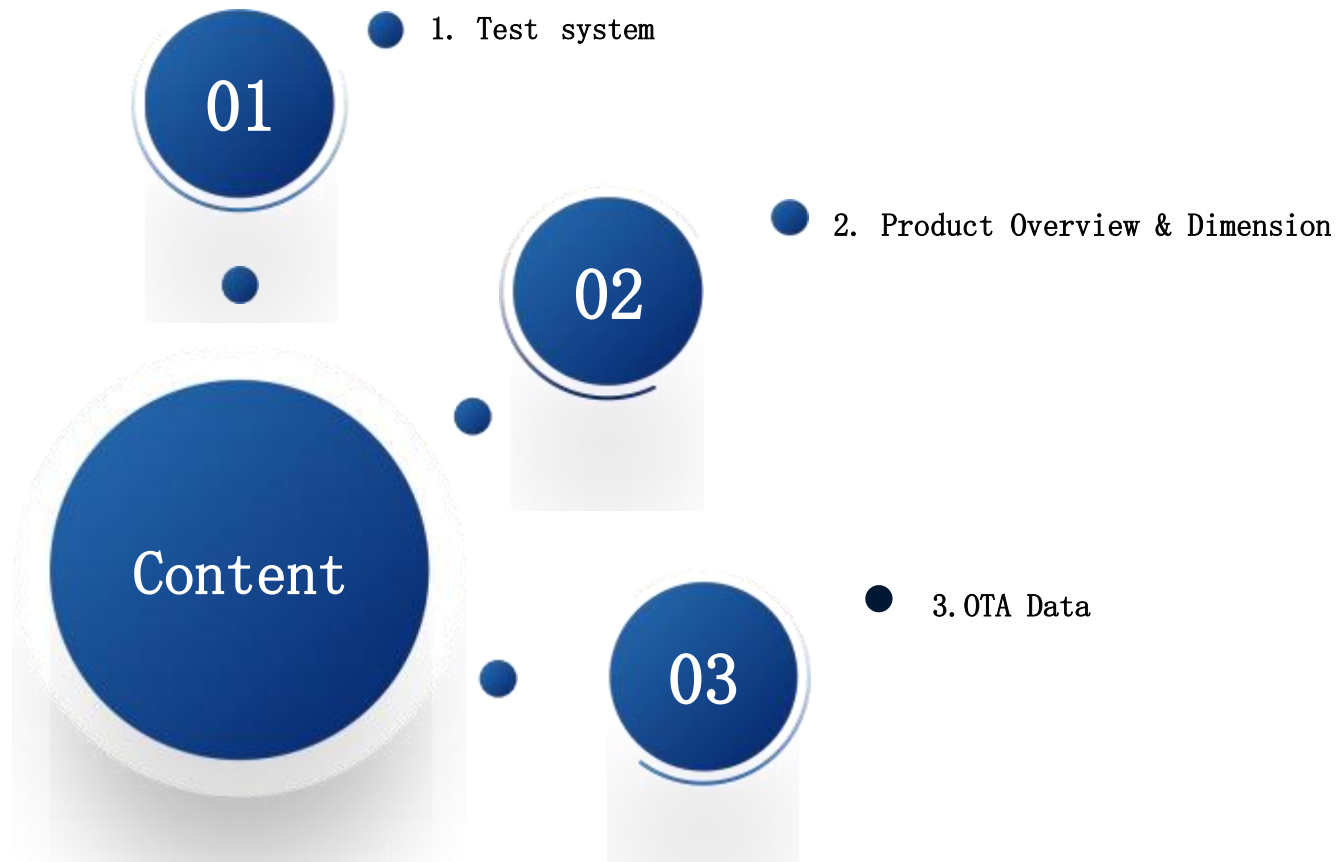


深圳合翊讯科技有限公司
Shenzhen Heyixun Technology Co., Ltd.

Customer	
Project	BK505
Antenna Revision	A0
Prepared by	17550061372
Checked by	15993920520
Date	2025. 04. 02

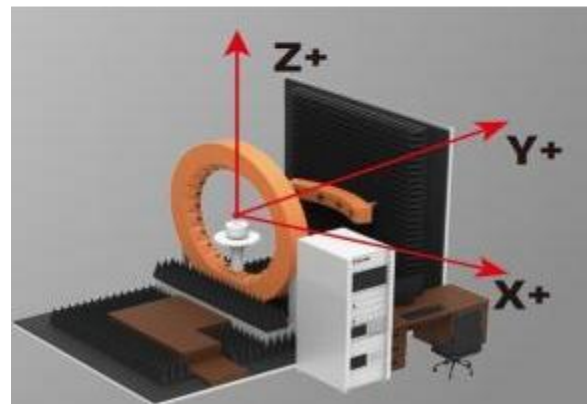
Purpose

This report is to measure the performance of antenna for **BK505** The antenna operating frequency at 2400-2500MHz All test data are showed as below.



1.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

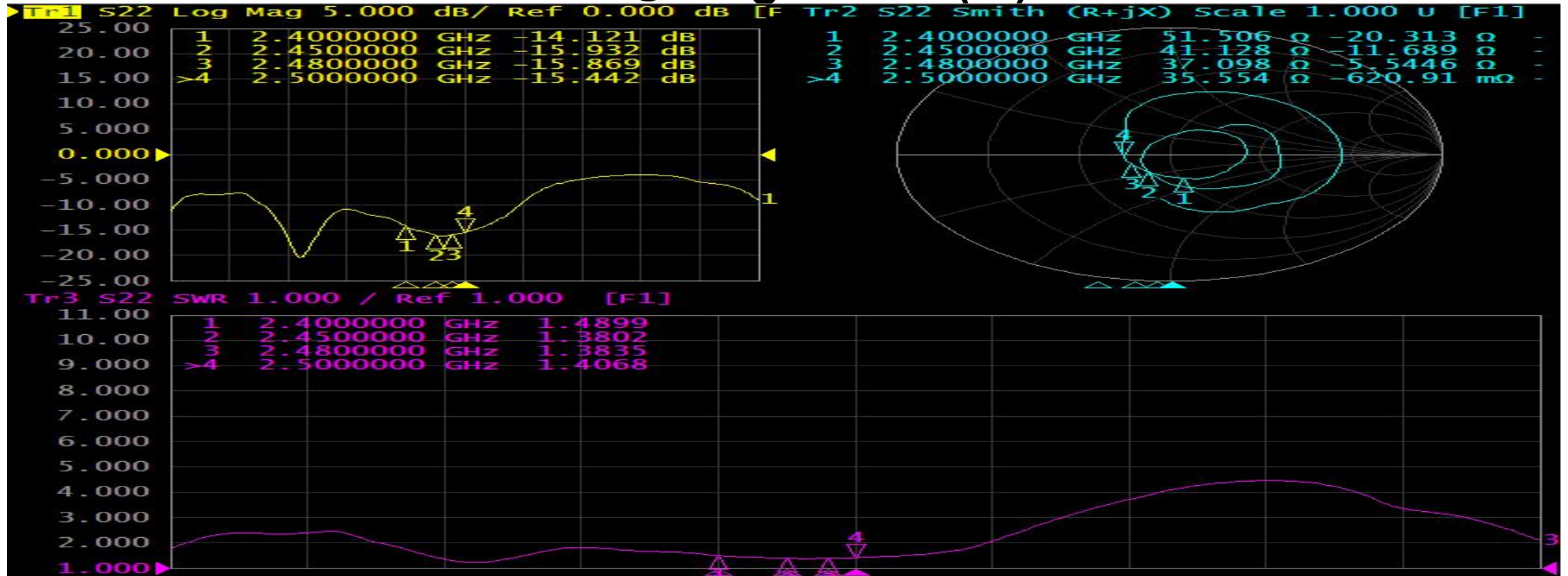


2.Product Overview & Dimension





3 Test Result VSWR&Log Mag&Smith(Ω)



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-14.12	-15.93	-15.86	-15.44
Smith(Ω)	51.50	41.12	37.09	35.55
VSWR	1.48	1.38	1.38	1.40

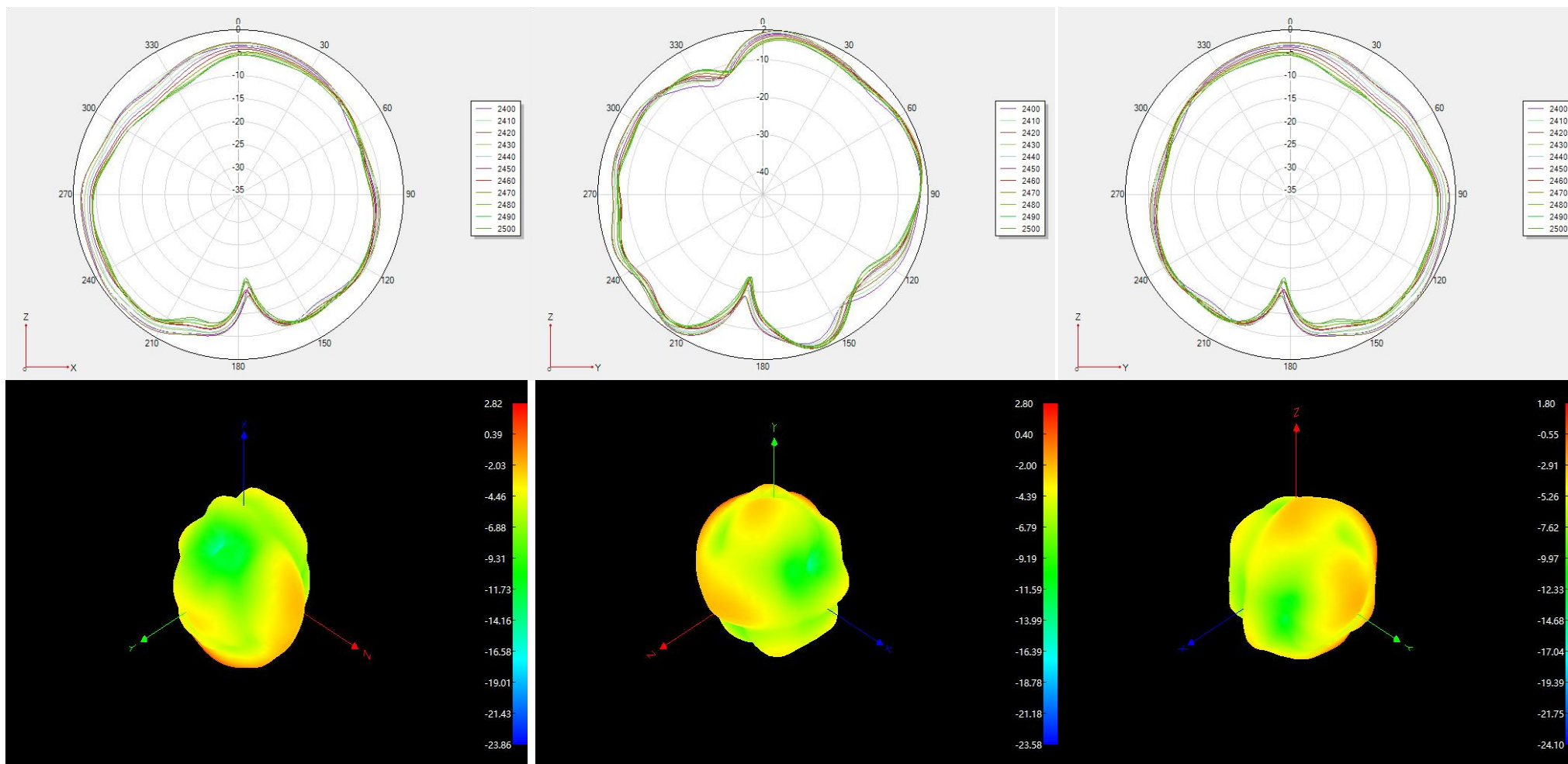
4. Test Result

4.1 Gain & Efficiency——**ANT**

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	36.03	2.82
2410	37.71	3.17
2420	37.60	3.22
2430	37.50	3.01
2440	38.34	2.80
2450	37.92	2.25
2460	36.77	2.36
2470	34.27	1.60
2480	33.30	1.80

4. Test Result

4.2 2D Pattern——BTANT



WORK REPORT

谢谢观看