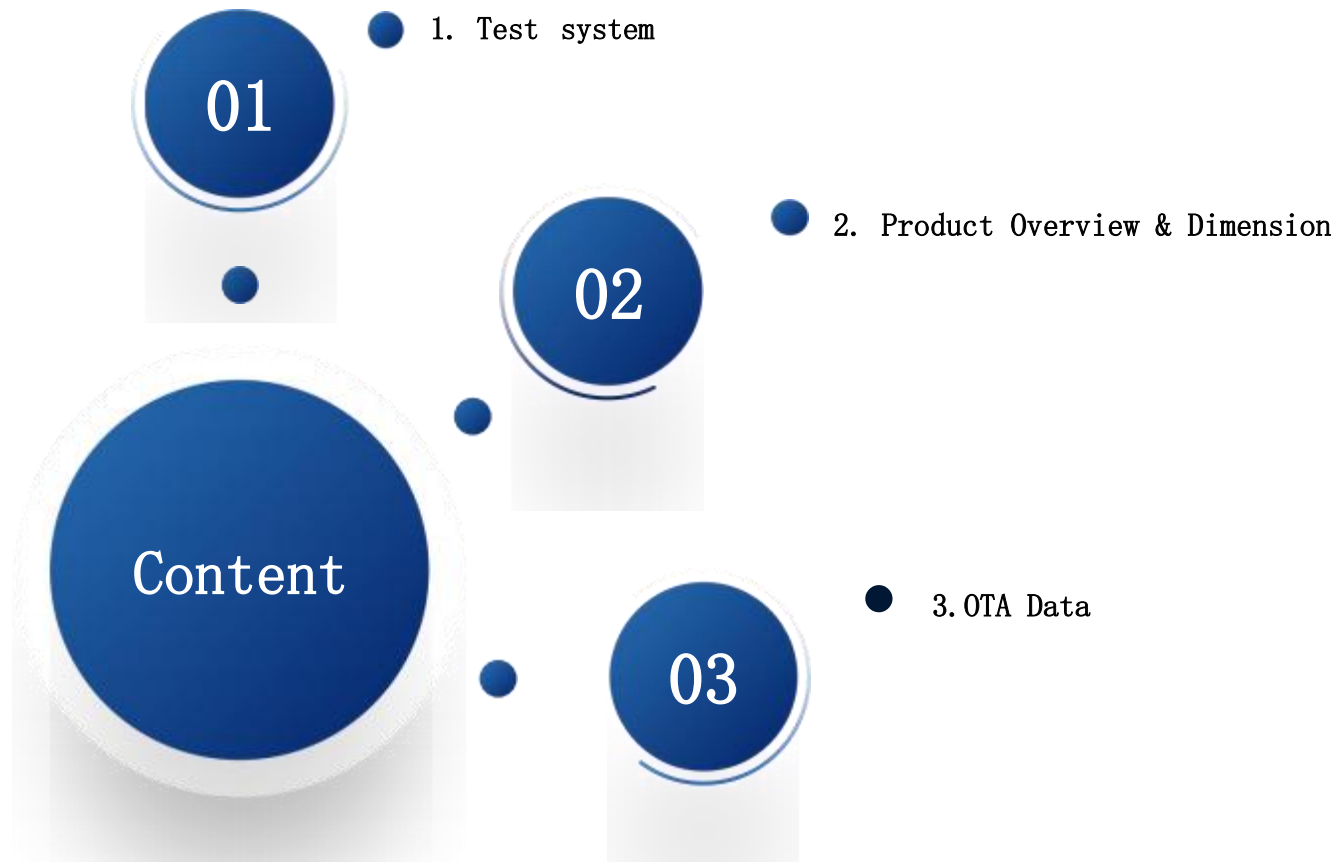




Customer	
Project	BK504
Antenna Revision	A0
Prepared by	17550061372
Checked by	15993920520
Date	2025. 04. 02

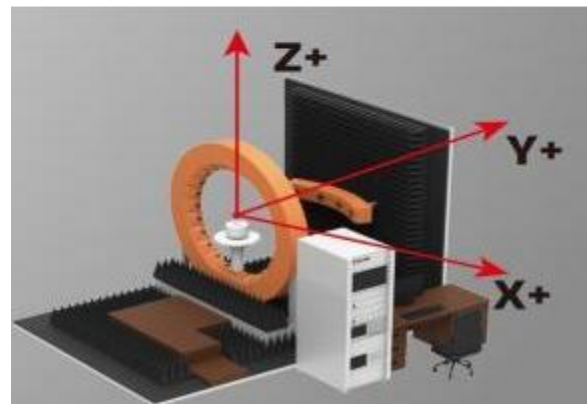
Purpose

This report is to measure the performance of antenna for **BK504** The antenna operating frequency at 2400-2500MHz All test data are showed as below.



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



2.Product Overview & Dimension





3 Test Result VSWR&Log Mag&Smith(Ω)



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-8.22	-12.15	-7.98	-5.94
Smith(Ω)	25.42	37.04	31.48	22.76
VSWR	2.26	1.65	2.32	3.03

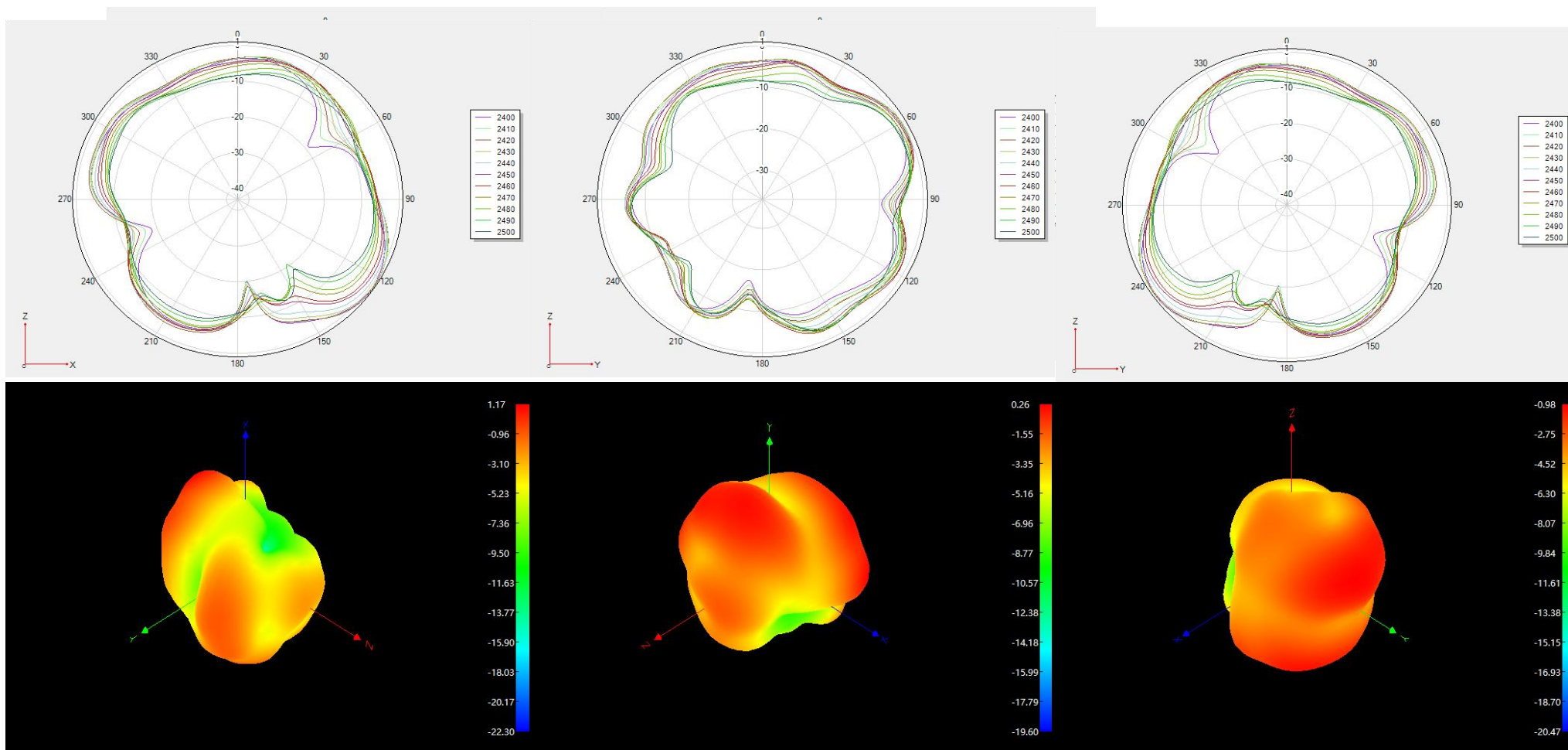
4. Test Result

4.1 Gain & Efficiency——ANT

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	32.63	1.17
2410	35.17	1.49
2420	38.29	1.40
2430	40.32	1.33
2440	41.87	0.26
2450	43.82	0.01
2460	41.42	-0.18
2470	35.36	-0.91
2480	30.07	-0.98

4. Test Result

4.2 2D Pattern——BTANT



WORK REPORT

谢谢观看