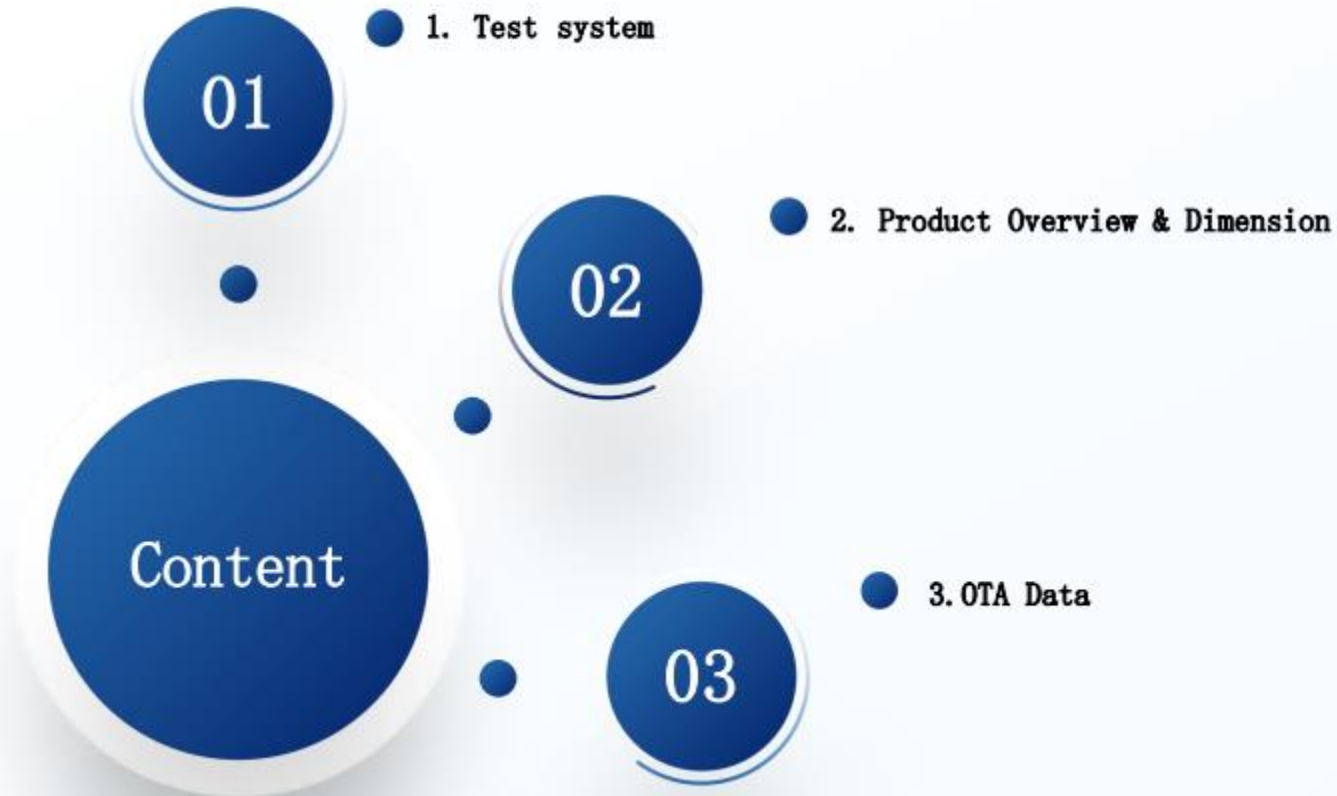


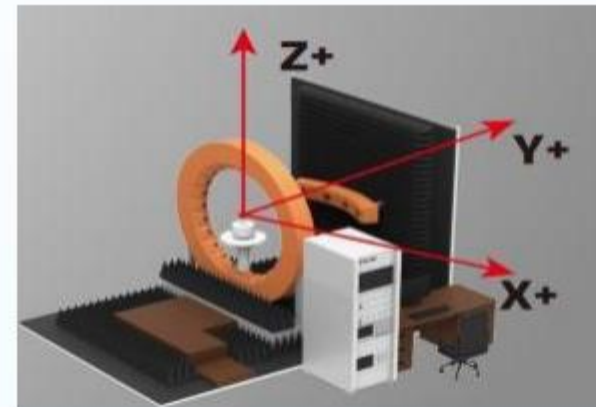
Purpose

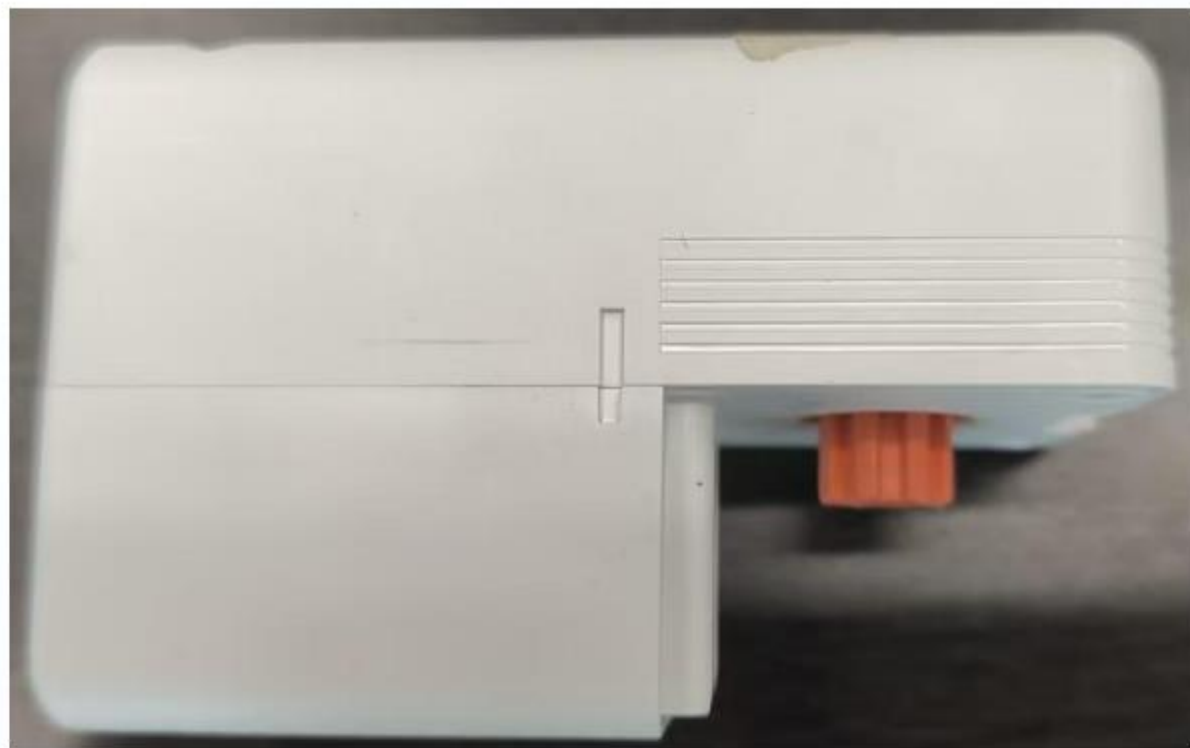
This report is to measure the performance of antenna for **M5** The antenna operating frequency at 2400-2500MHz All test data are showed as below.



1. Test System

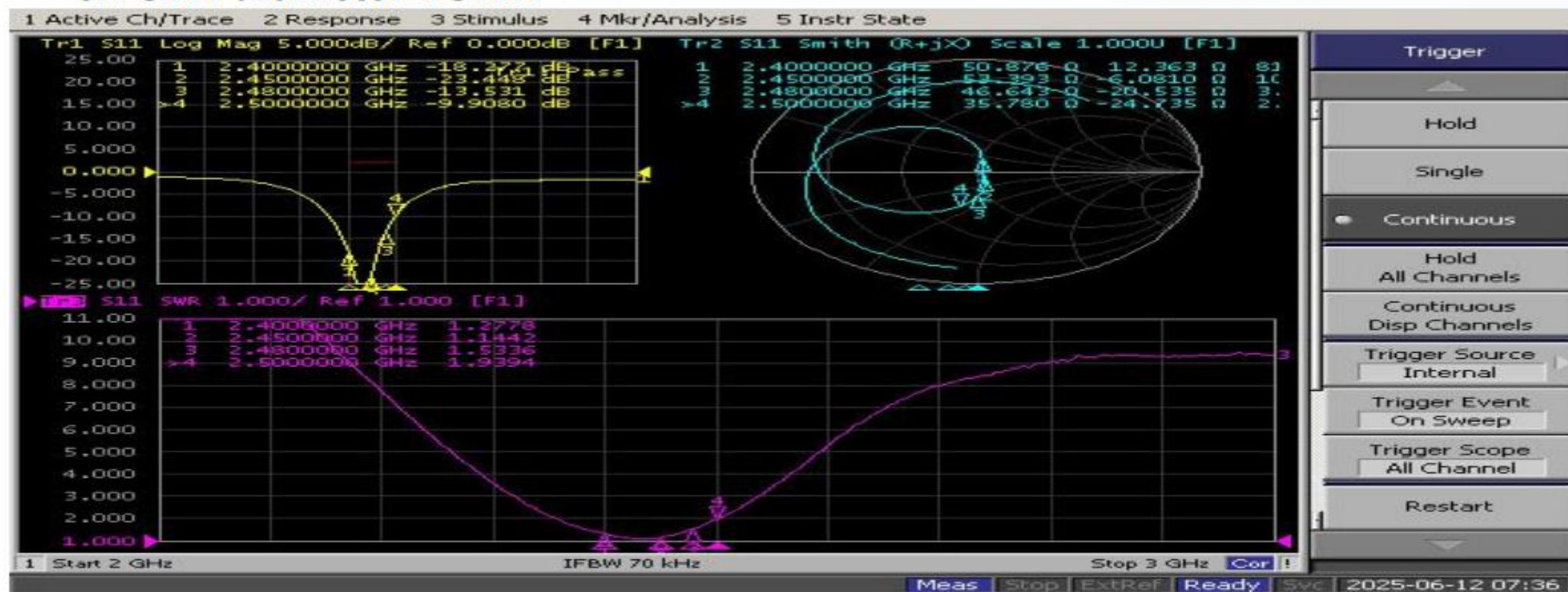
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5071B
OTA Test	TRP&TIS	Agilent 8960 & CMW500 STIMO
Gain & Efficiency	Gain & Efficiency	SATIMO Agilent 5071C





3.Test Result

3.1 S11 Parameter-VSWR



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-18.3	-23.4	-13.5	-9.9
Smith	50.9	53.4	46.6	35.8
VSWR	1.3	1.1	1.5	1.9

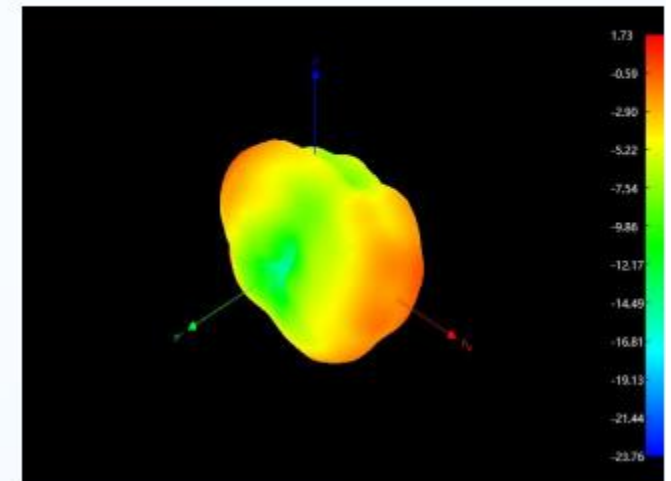
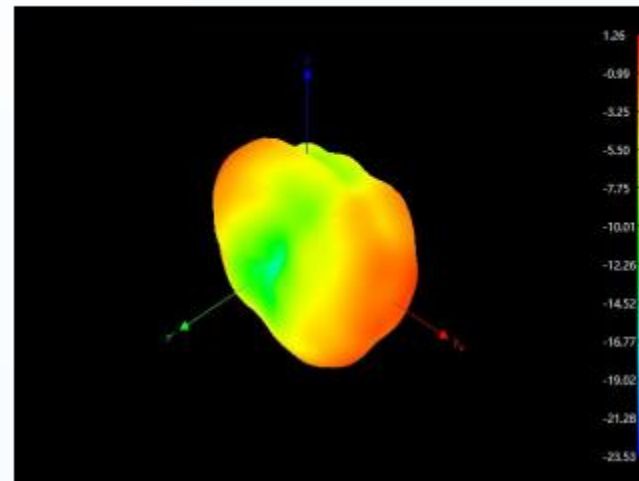
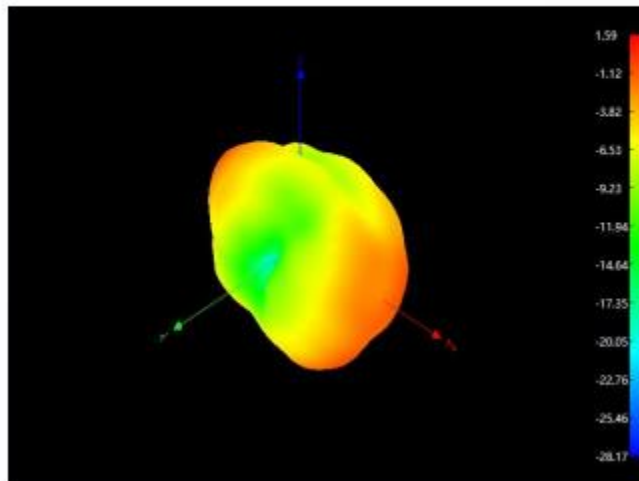
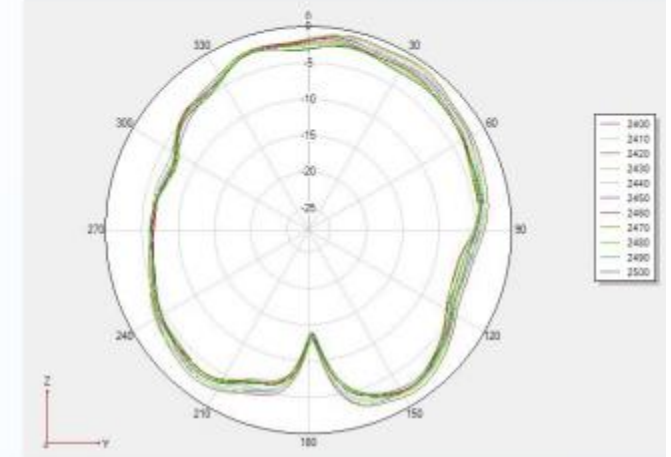
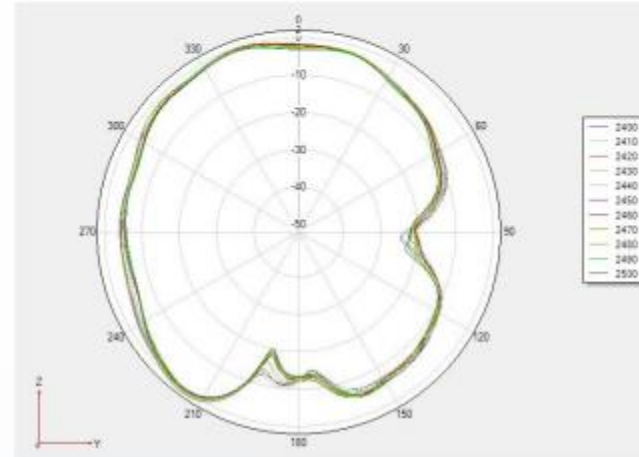
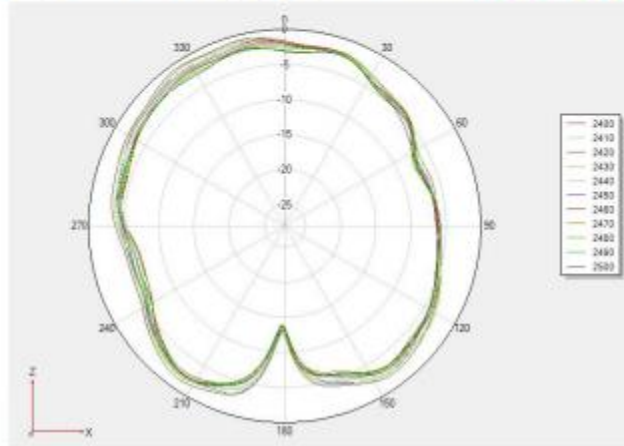
3. Test Result

3.2 Gain & Efficiency—ANT

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	52.97	1.59
2410	53.46	1.95
2420	54.2	2.29
2430	53.09	1.77
2440	53.95	1.7
2450	54.08	1.26
2460	52.97	1.48
2470	52.12	1.32
2480	52.36	1.73
2490	51.52	1.33
2500	51.64	1.52

3. Test Result

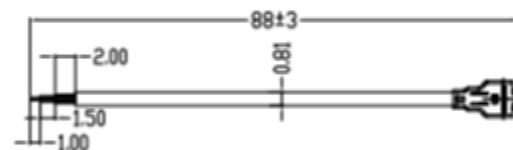
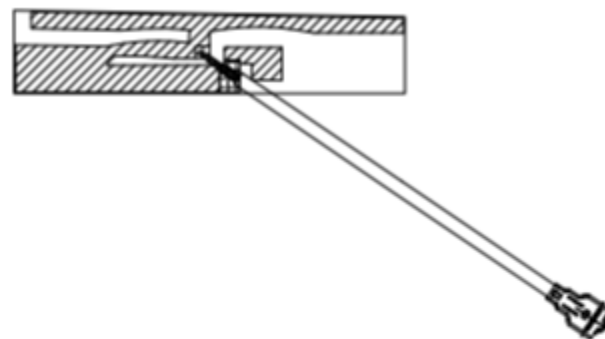
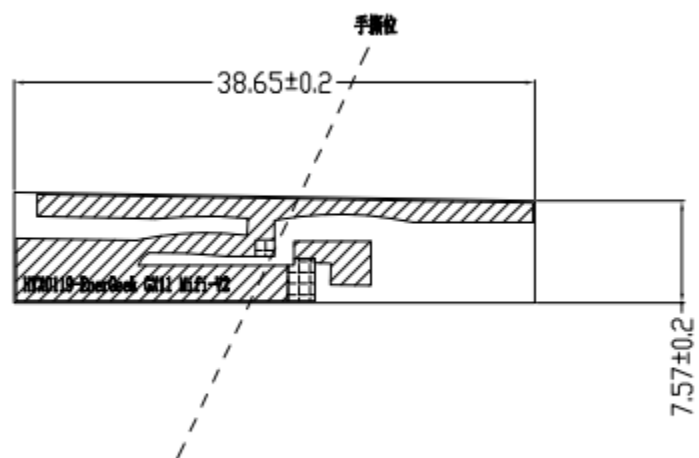
3.3 2D Pattern — BT ANT



4.OTA Data

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band	Wireless Protocol	Channel	TRP(dBm)	TIS(dBm)
WIFI	802.11 b/11Mbps	1	15.15	-85.04
		6	14.98	-84.8
		11	15.79	-85.51





单位: MM

备注: 采用第4代端子. 总长: 88mm