

Antenna Specification

Model Name: MH07

WCDMA: B2/B4/B5

FDD: B2/B4/B5/B7/B12/B13/B25/B26/B66/B71

date: 2025-05-15

1. Test Project

	Test Project	Equipment
1. S Parameter	1. Return Loss (RL) 2. VSWR	Network Analyzer: Agilent 5071B
2. RF Test (2/3/4)	1. power 2. level 3. TRP/TIS	Comprehensive Test: SP9500/CMW500/8960 Test Environment: Anechoic Chamber

2. Test Equipment



Agilent 5071B (S Parameter (RL/VSWR) Test Equipment)



Agilent 8960 (2G/3G Test Equipment)

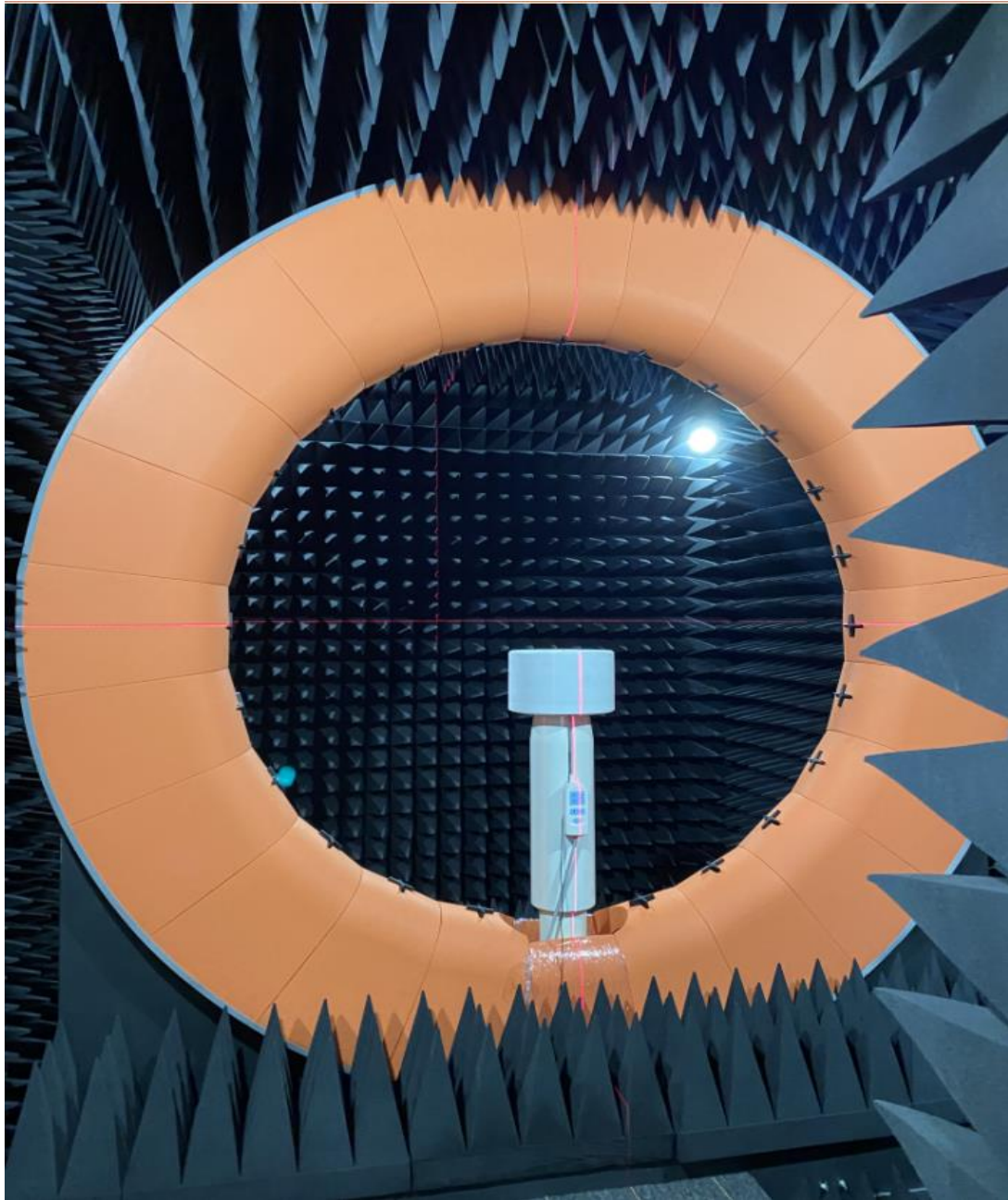


CMW 500 (2G/3G/4G Test Equipment)



SP9500 (5G Test Equipment)

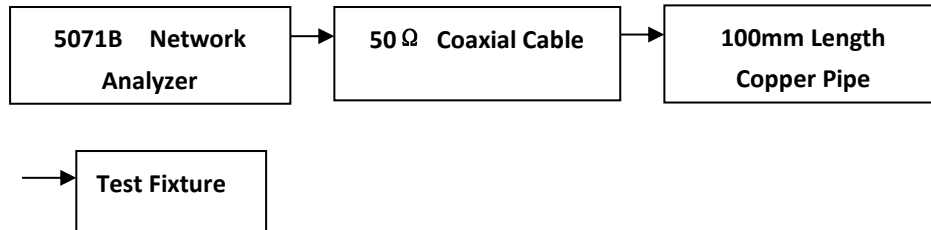
3. TestEnvironment



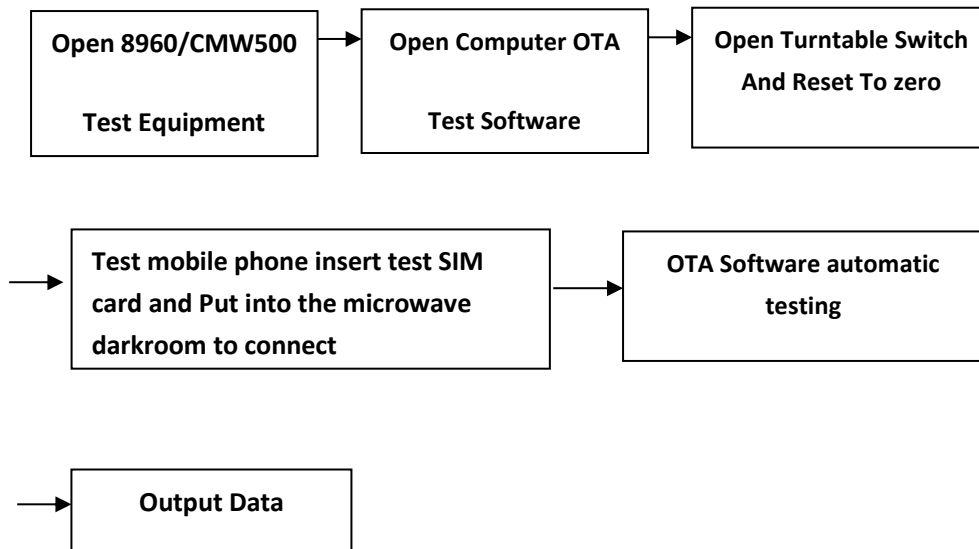
Microwave Anechoic Chamber

4.Test Steps

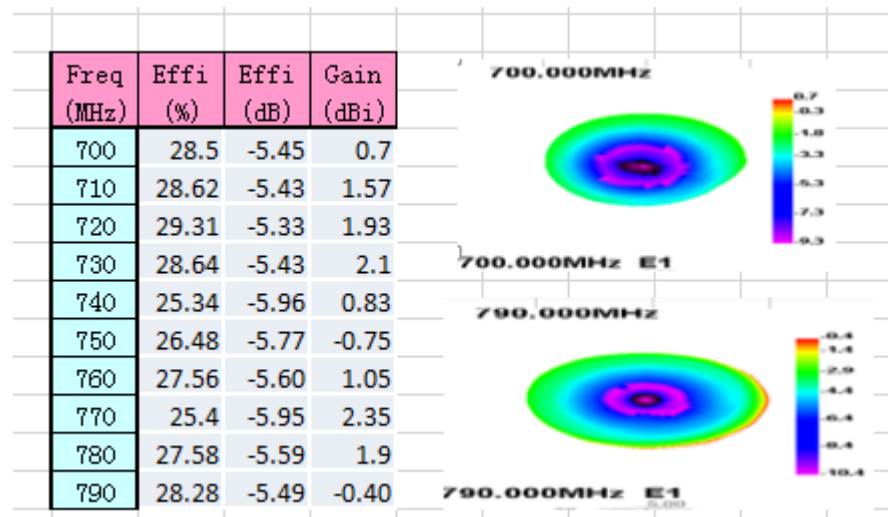
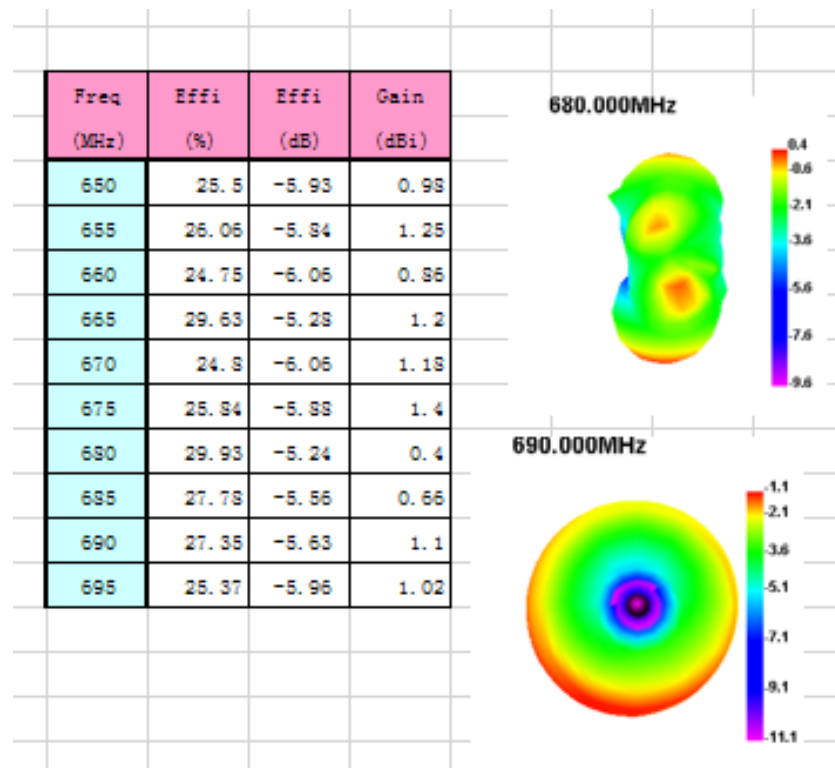
Passive VSWR/RL Test Steps:

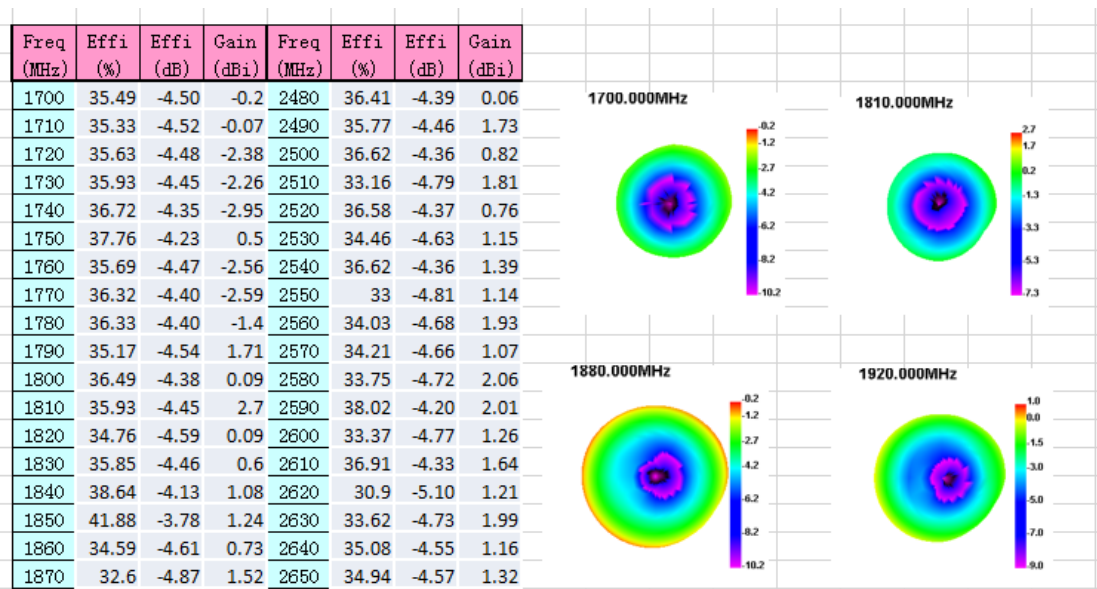
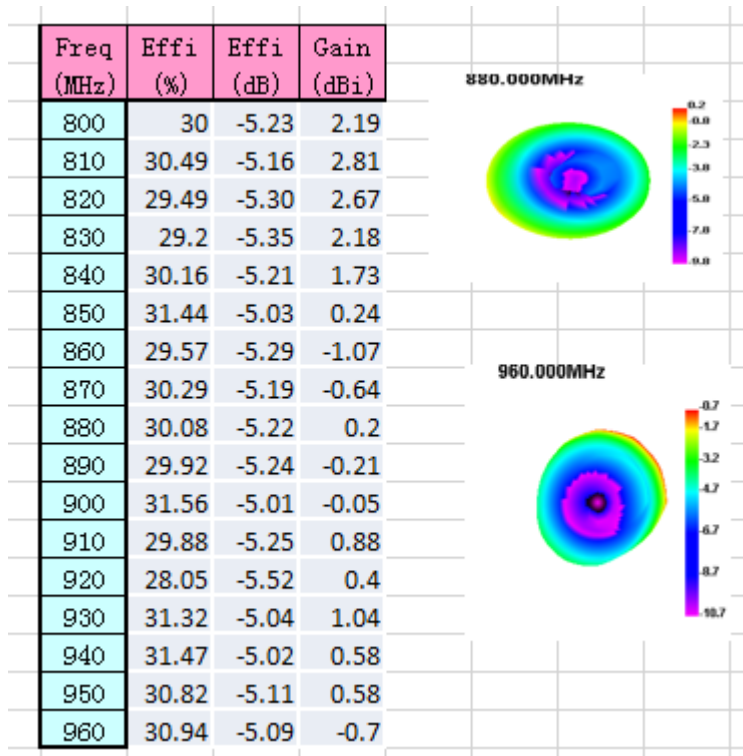


Active TRP/TIS Test Steps:



5. Antenna Gain & 3D Lobe Diagram

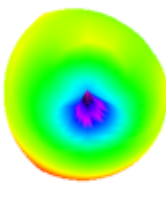




无源WiFi效率

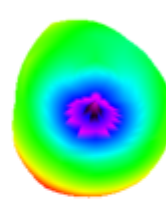
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	49.52	-3.05	-1.7
2410	45.31	-3.44	1.19
2420	41.54	-3.82	1.54
2430	40.13	-3.97	2.34
2440	43.45	-3.62	-1.89
2450	45.58	-3.41	-1.4
2460	44.42	-3.52	1.89
2470	40.05	-3.97	2.45
2480	45.1	-3.46	2.1
2490	45.34	-3.44	1.78
2500	47.29	-3.25	-1.5

2400.000MHz



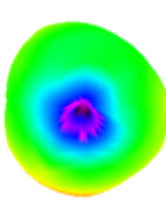
Color scale: -1.7 to -11.7

2450.000MHz



Color scale: -1.4 to -11.4

2500.000MHz



Color scale: -1.5 to -11.5

6.Introduction to Antenna Information

MH07	
Antenna type and frequency band	MAIN ANTENNA(PIFA):3G/4G
	DIV ANTENNA(PIFA):3G/4G
	WIFI/ANTENNA(PIFA):2.4GWIFI
Antenna materia	FPC

7. Dimension and outlook

