

深圳市麒鑫通达科技有限公司

天线测试数据报告

客户: 卓信特

项目: Z5536S

GSM: B2/B3/B5/B8

WCDMA: B2/B4/B5

TDD: B41

FDD: B2/B4/B5/B12/B14/B17/B66/B71

工程: 熊工 (187 1893 6792)

日期: 2025-07-15

1. Test Project

	Test Project	Equipment
1. S Parameter	1. Return Loss (RL) 2. VSWR	Network Analyzer: Agilent 5071B
2. RF Test (2/3/4/5G)	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)

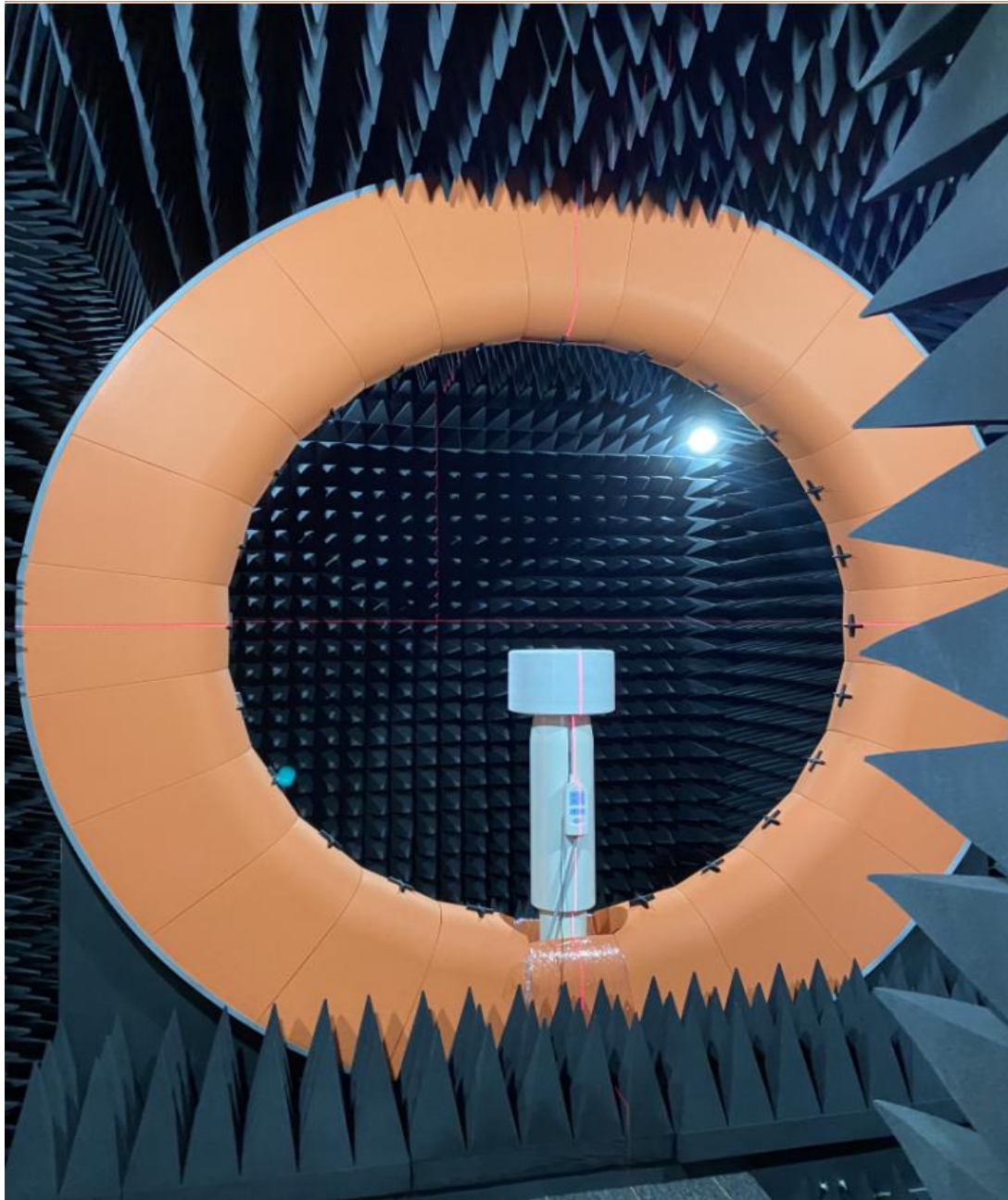


CMW 500 (2G/3G/4G Test Equipment)



SP9500 (5G Test Equipment)

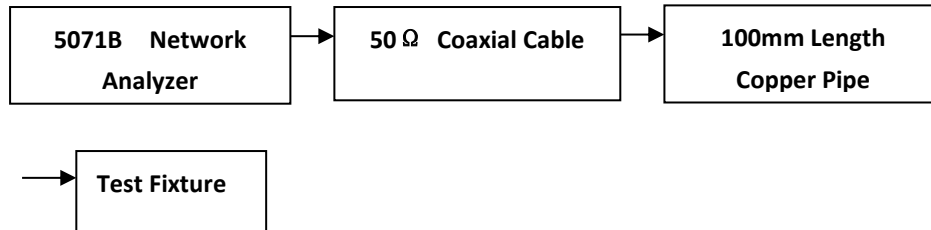
3. TestEnvironment



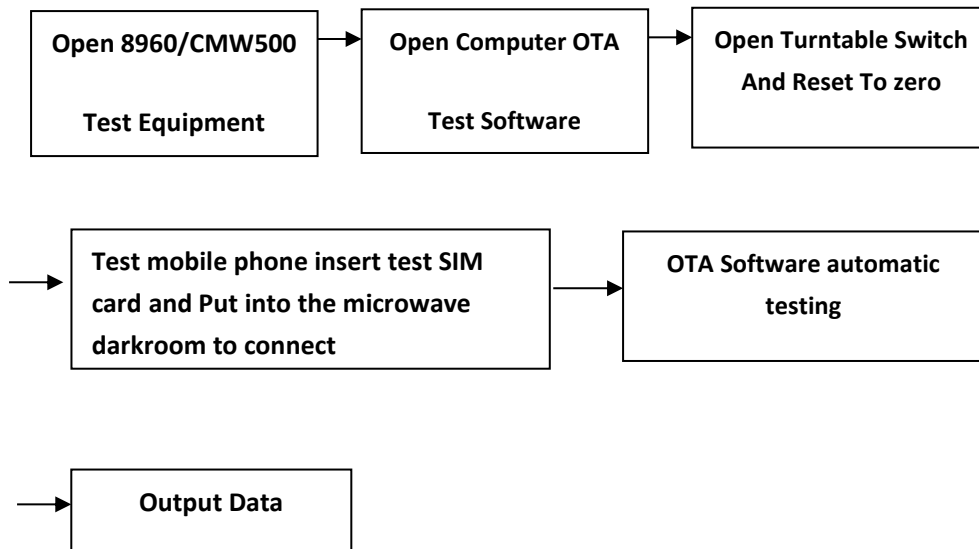
Microwave Anechoic Chamber

4.Test Steps

Passive VSWR/RL Test Steps:



Active TRP/TIS Test Steps:



5. Antenna Gain

Band	Max Gain	Band	Max Gain
GSM850	-0.38	Bluetooth	-0.17
GSM900	-0.51	WIFI-2.4G	-0.17
DCS1800	-0.14	WIFI-5.1G	-0.32
PCS1900	-0.33	WIFI-5.8G	-0.44
WCDMA2	-0.32	GPS	-0.23
WCDMA4	-0.45		
WCDMA5	-0.38		
LTE-B2	-0.32		
LTE-B4	-0.45		
LTE-B5	-0.38		
LTE-B12	-0.92		
LTE-B14	-0.87		
LTE-B17	-0.91		
LTE-B66	-0.33		
LTE-B71	-1.37		
LTE-B41	0.27		

6.3D Lobe Diagram

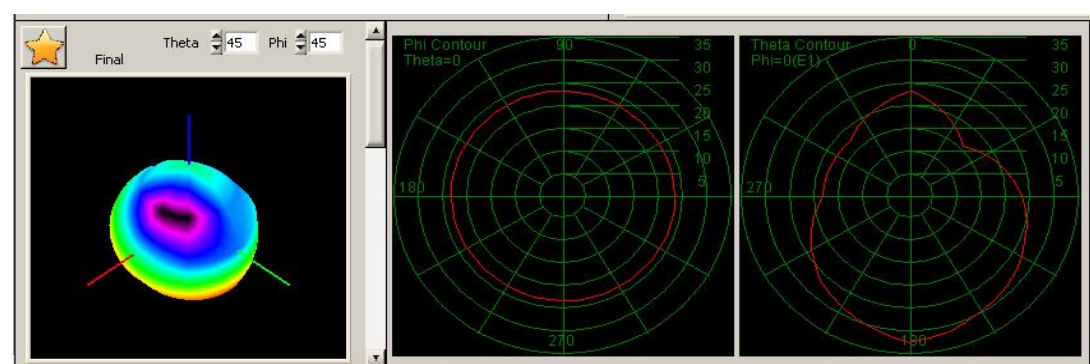
GSM850



GSM900



DSC1800



PCS1900



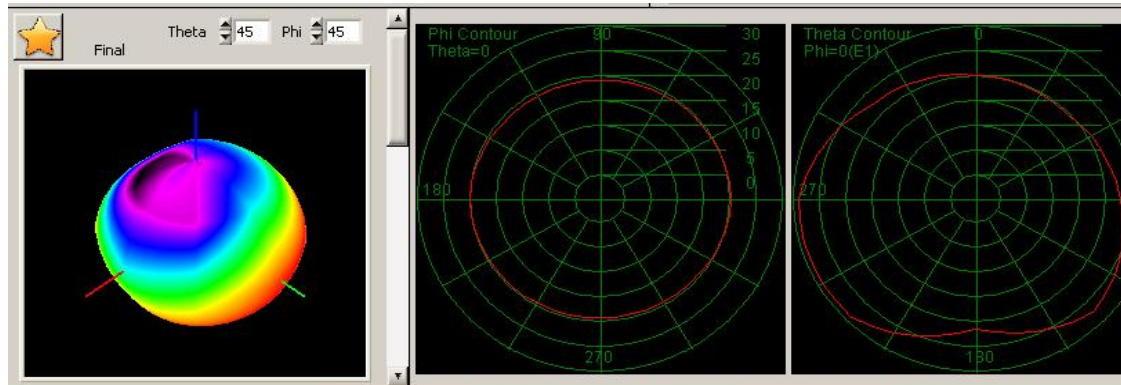
W2



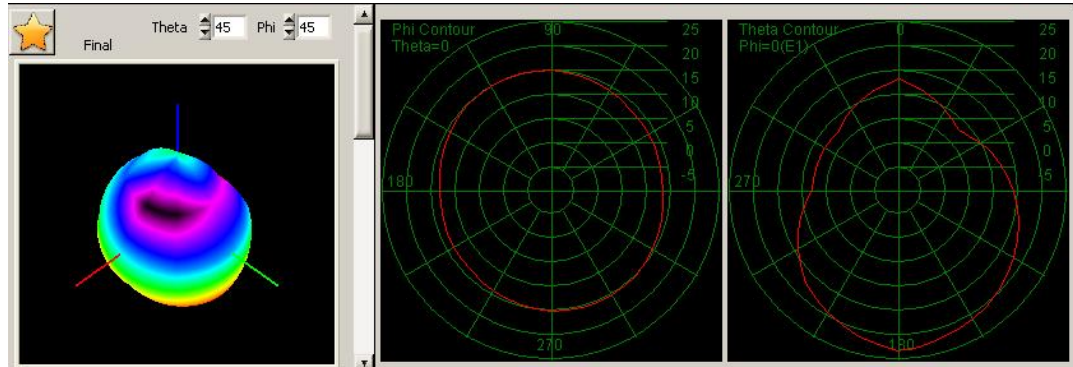
W4



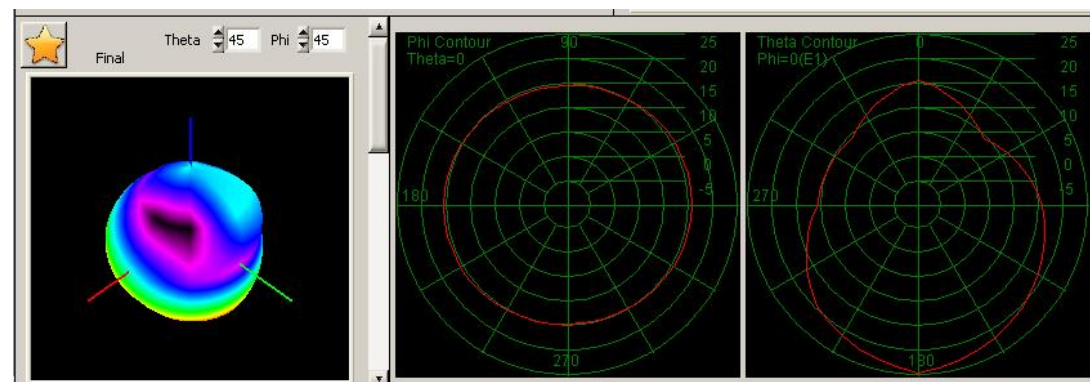
W5



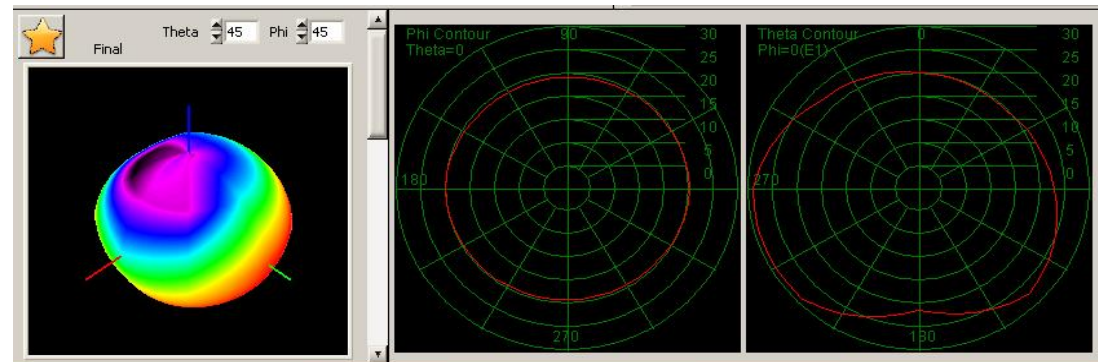
FDD-B2



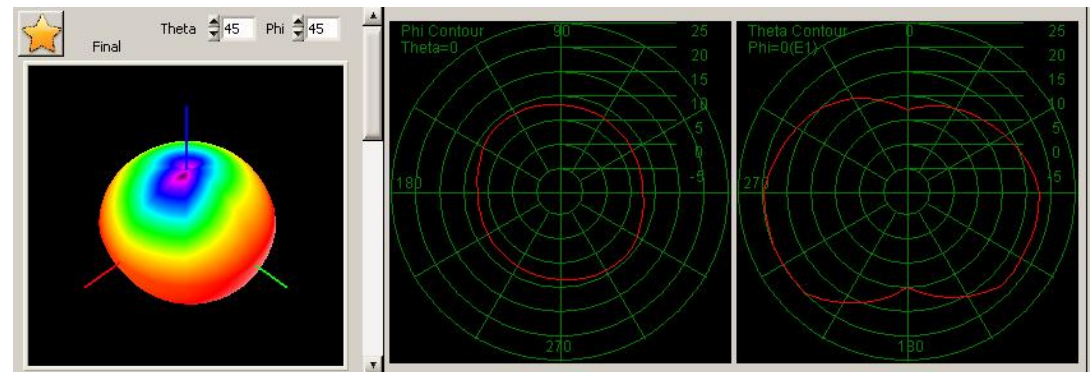
FDD-B4



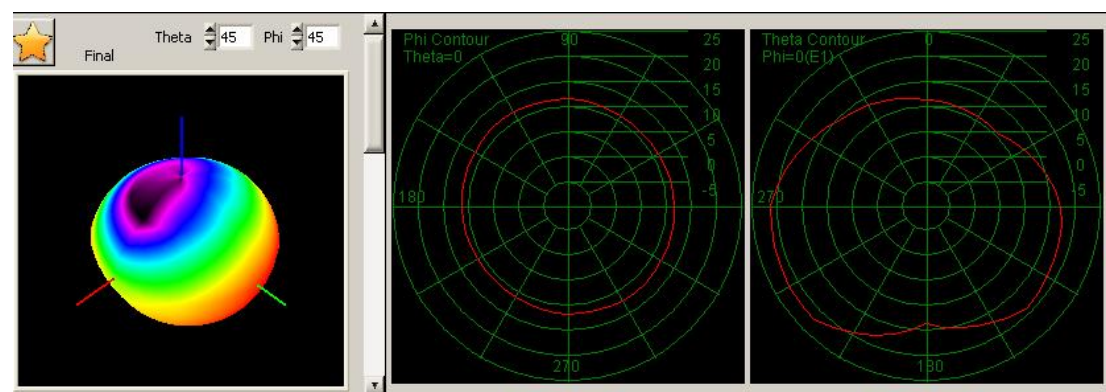
FDD-B5



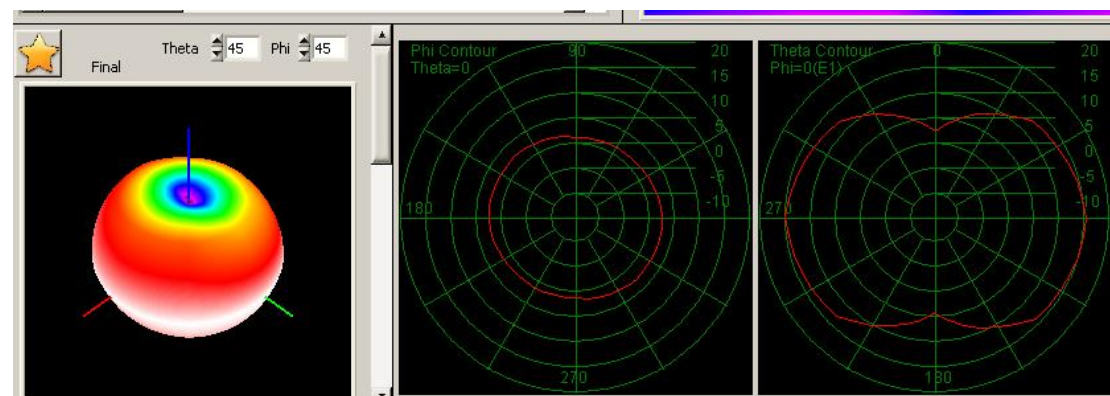
FDD-B12



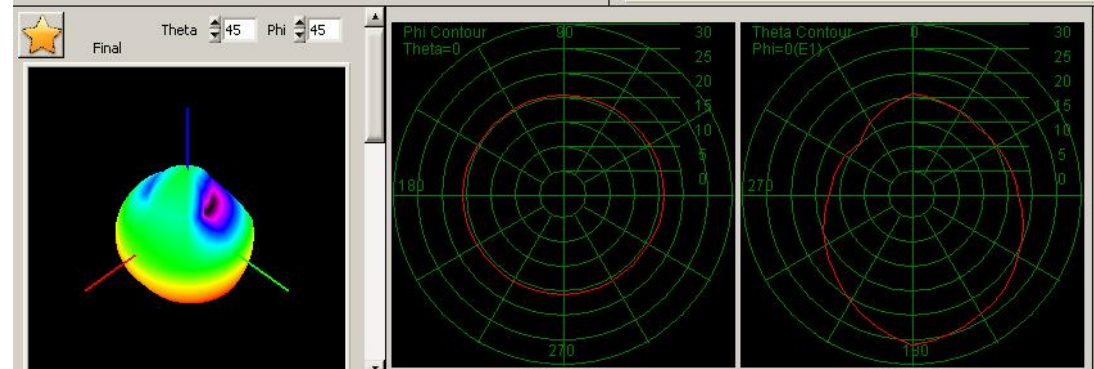
FDD-B14



FDD-B17



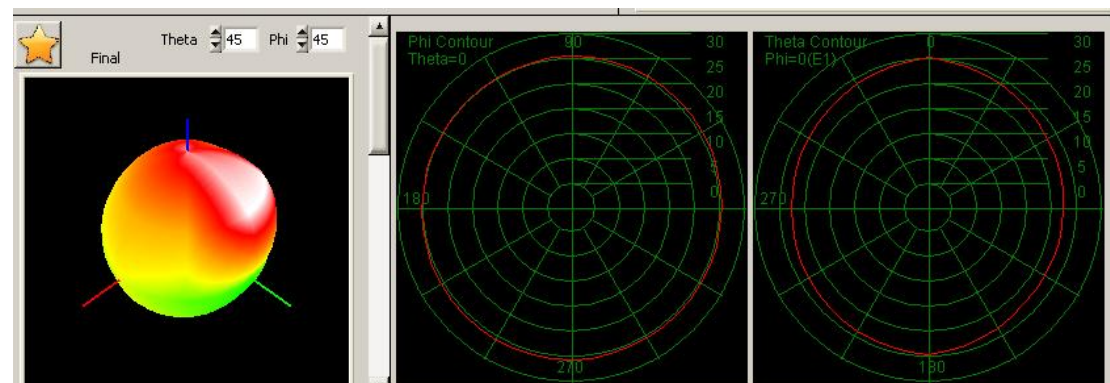
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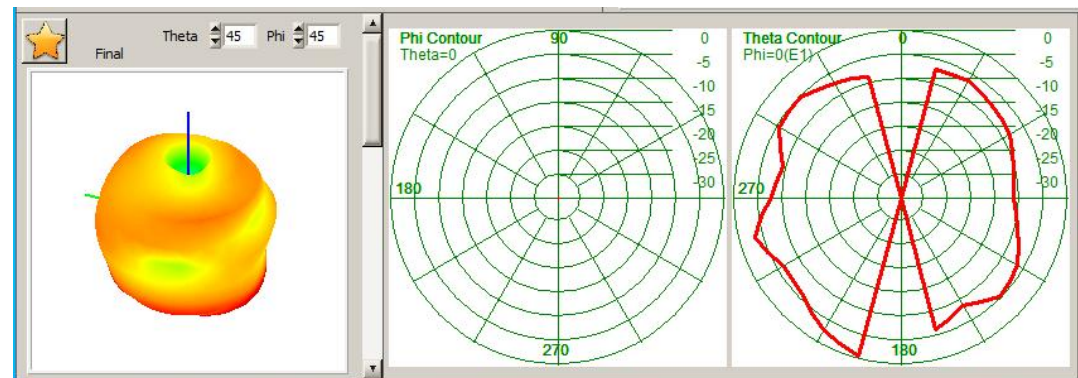
FDD-B71



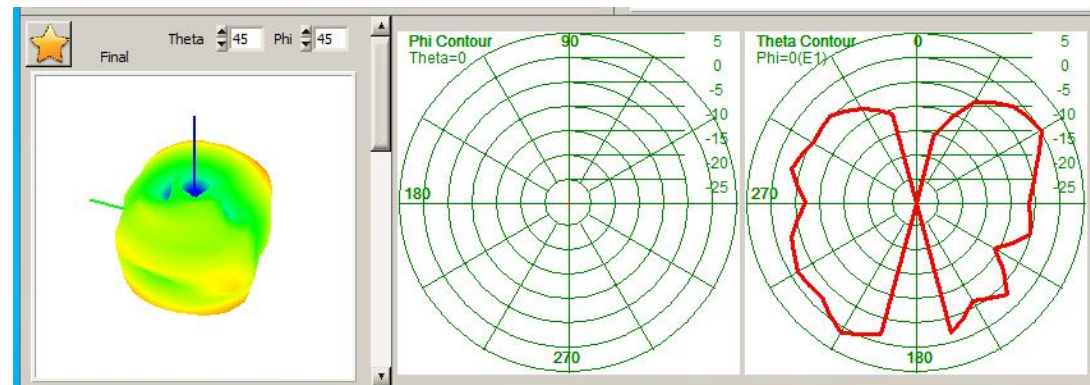
TDD-B41



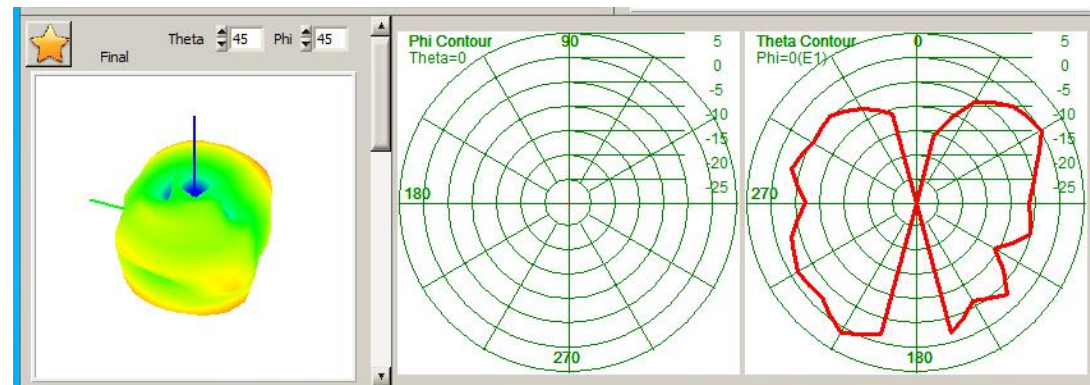
GPS



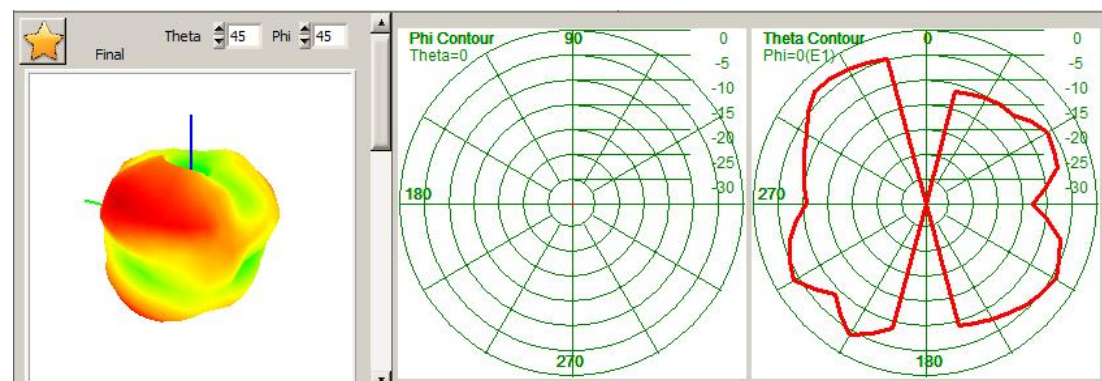
BT



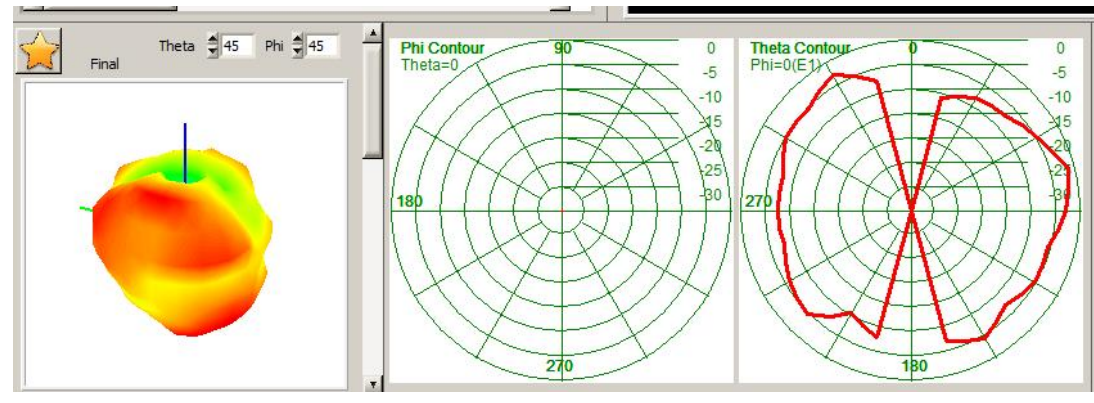
2.4G-WIFI



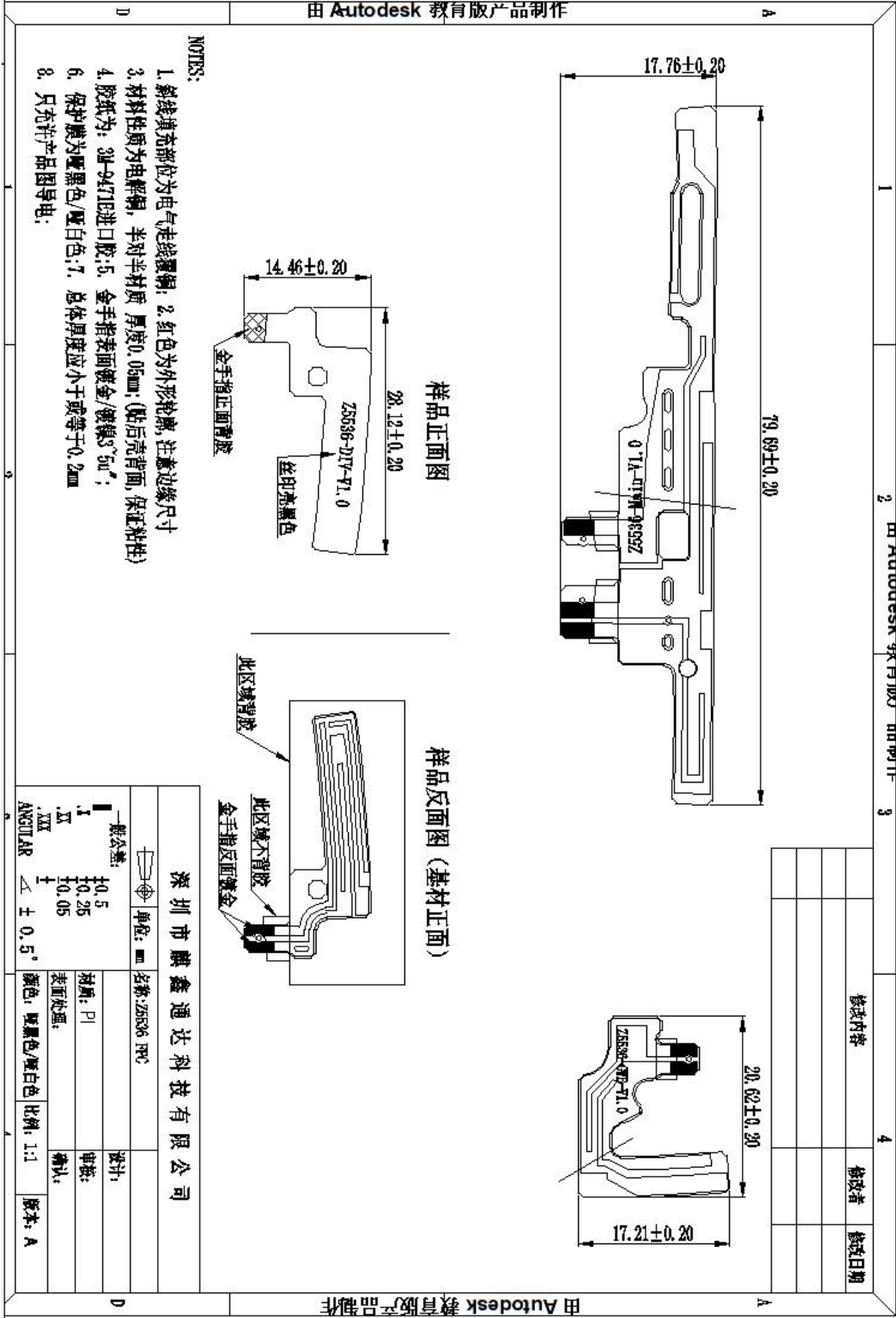
5.1G-WIFI



5.8G-WIFI



7. Antenna drawing



8.Introduction to Antenna Information

Z5536S	
Antenna type and frequency band	MAIN ANTENNA(<u>PIFA</u>):2G/3G/4G DIV ANTENNA(<u>PIFA</u>):2G/3G/4G GPS/WIFI/BT ANTENNA(<u>PIFA</u>):L1/2.4GWIFI/BT
Antenna materia	FPC