

深圳市麒鑫通达科技有限公司

天线测试数据报告

项目: Z6705

GSM: B2/B3/B5/B8

WCDMA: B2/B4/B5

LTE: B2/B4/B5/B12/B13/B17/B25/B66/B71

工程: 傅工 (187 1893 6792)

日期: 2024-9-3

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)

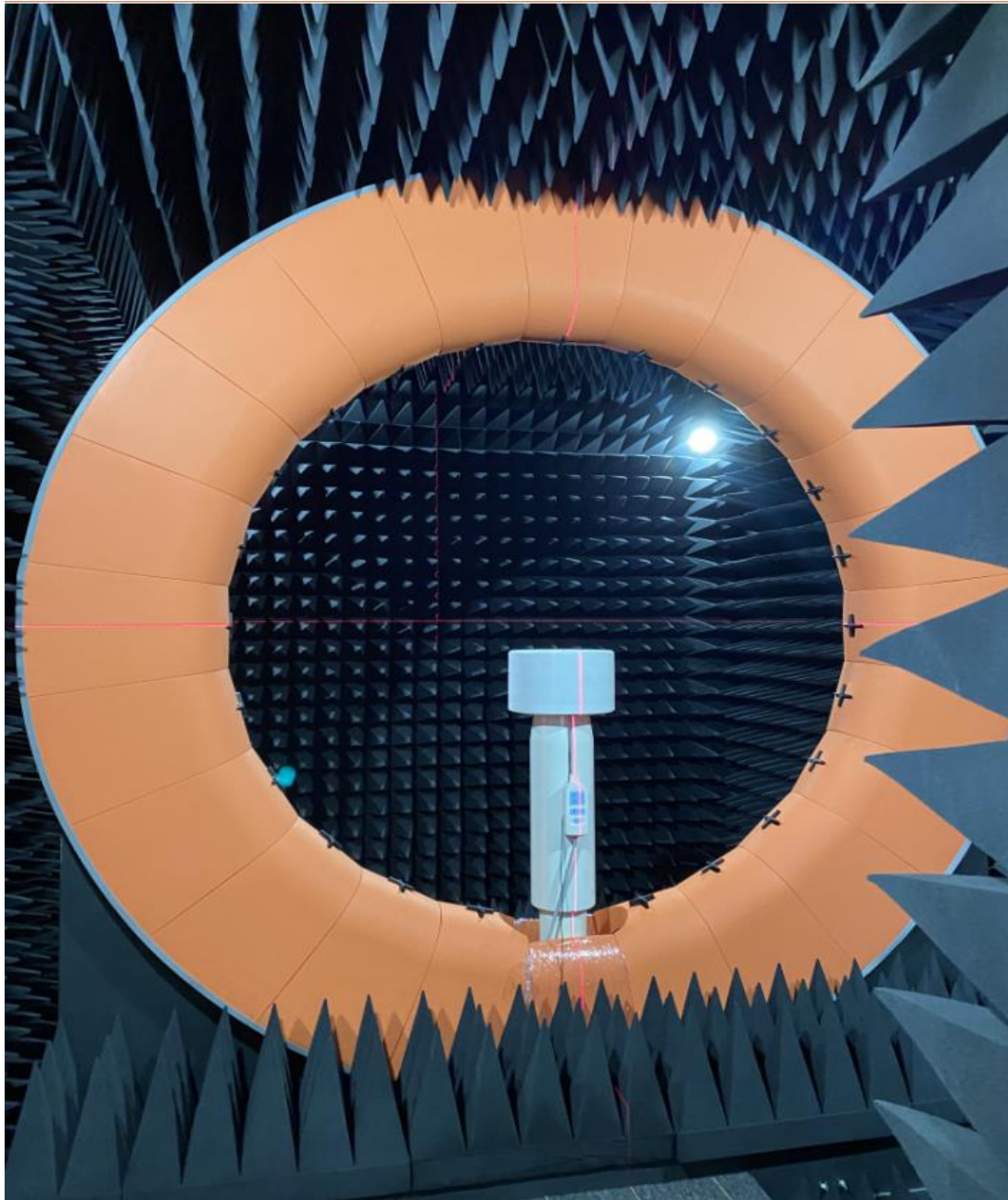


CMW 500 (2G/3G/4G Test Equipment)



SP9500 (5G Test Equipment)

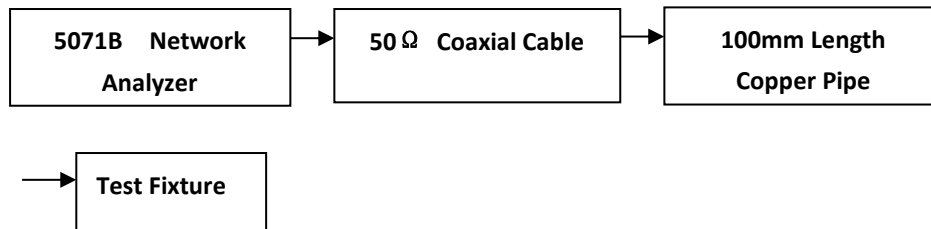
3. TestEnvironment



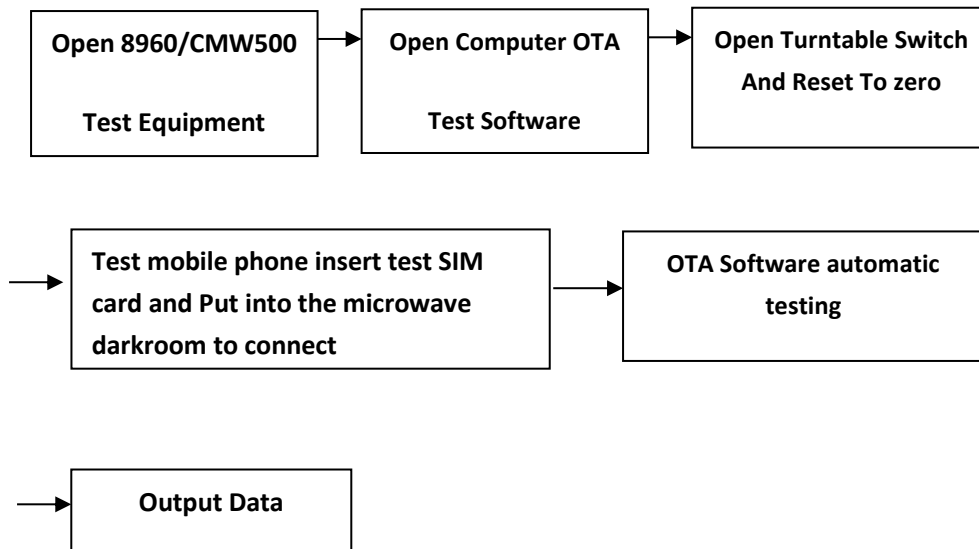
Microwave Anechoic Chamber

4.Test Steps

Passive VSWR/RL Test Steps:



Active TRP/TIS Test Steps:



5. Antenna frequency band distribution

主天线

GSM: B2/B3/B5/B8

WCDMA: B2/B4/B5

LTE: B2/B4/B5/B12/B13/B17/B25/B66/B71

三合一

GPS/WIFI/BT

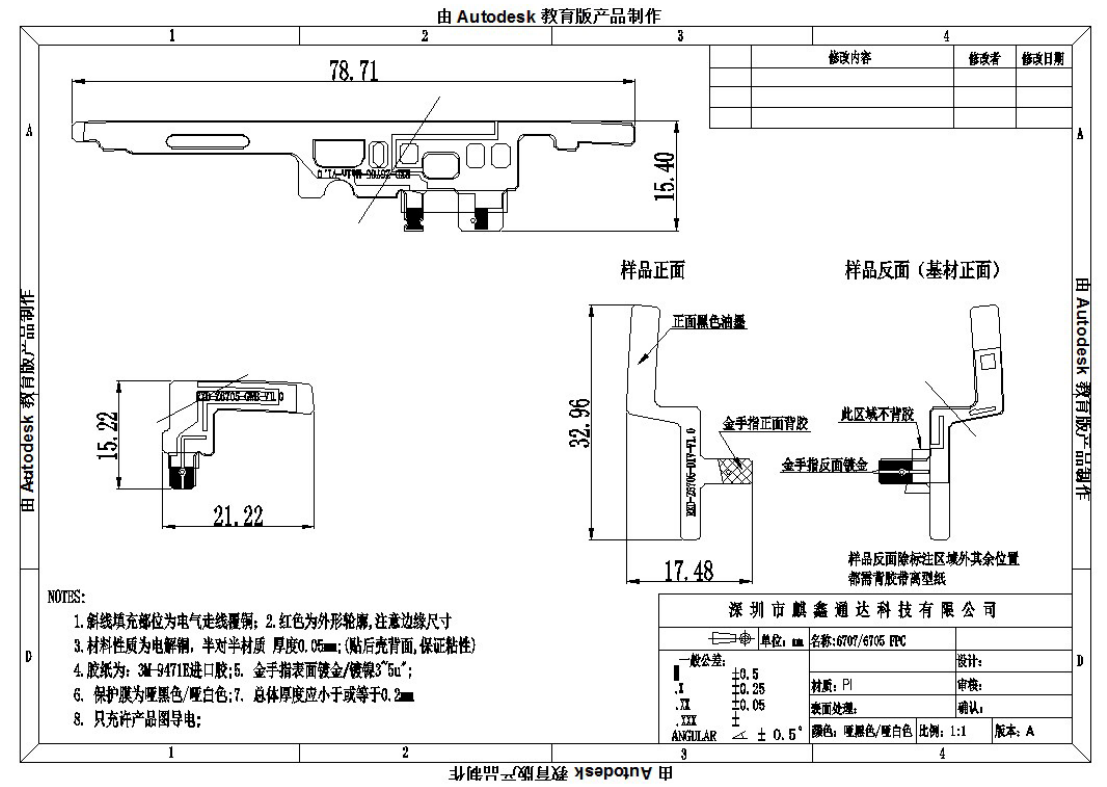
分集

MHB

6.Antenna distribution diagram



7.Antenna size diagram

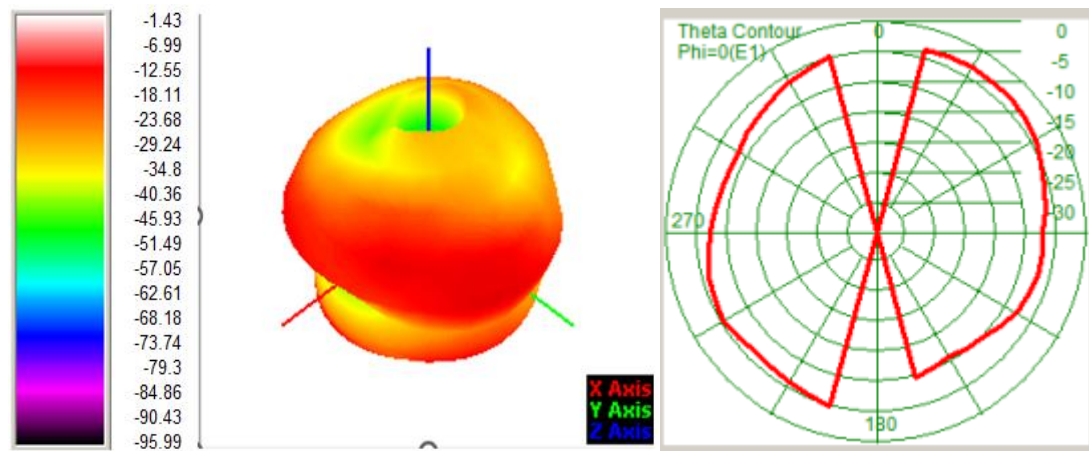


8.Antenna Gain

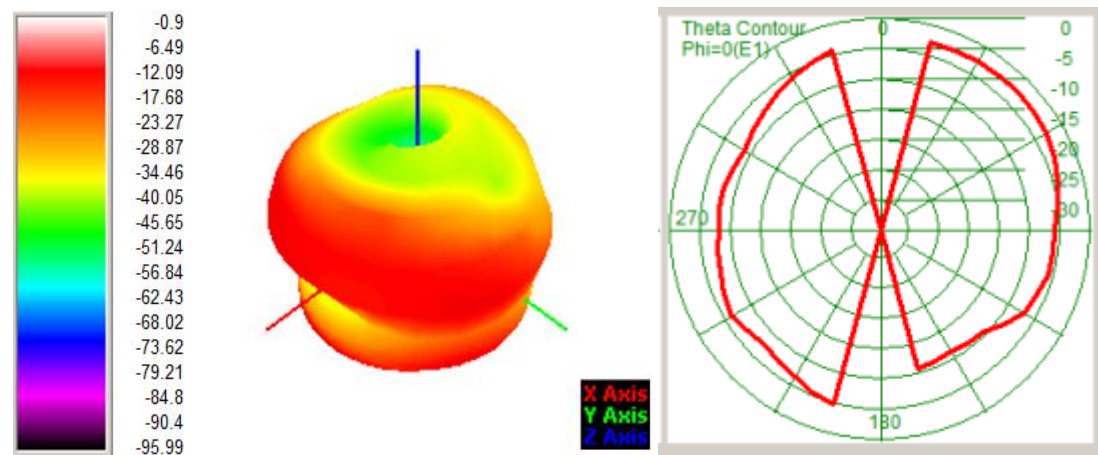
Band	Max Gain	Band	Max Gain
GSM850	-1.43	Bluetooth	1.12
GSM900	-0.9	WIFI-2.4G	1.12
DCS1800	-0.99	GPS	1.31
PCS1900	-0.94		
WCDMA2	-0.94		
WCDMA4	-0.99		
WCDMA5	-1.43		
LTE-B2	-0.94		
LTE-B4	-0.99		
LTE-B5	-1.43		
LTE-B12	-2.53		
LTE-B13	-2.53		
LTE-B17	-2.53		
LTE-B25	-0.94		
LTE-B66	-0.99		
LTE-B71	-4.43		

9.3D Lobe Diagram

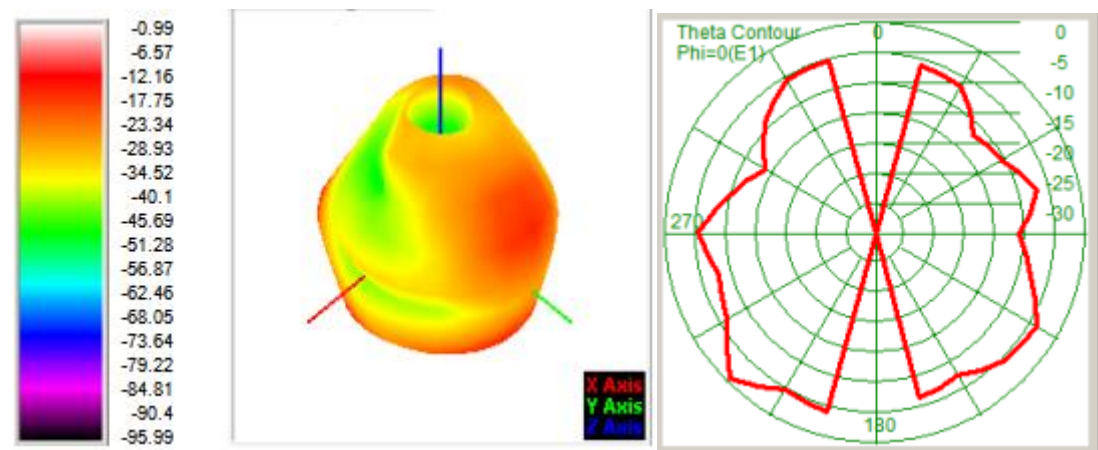
GSM850



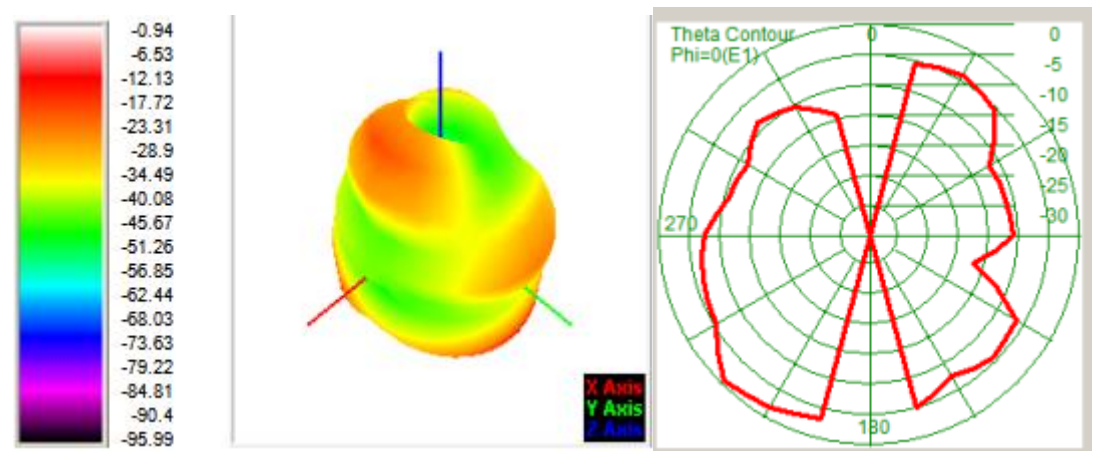
GSM900



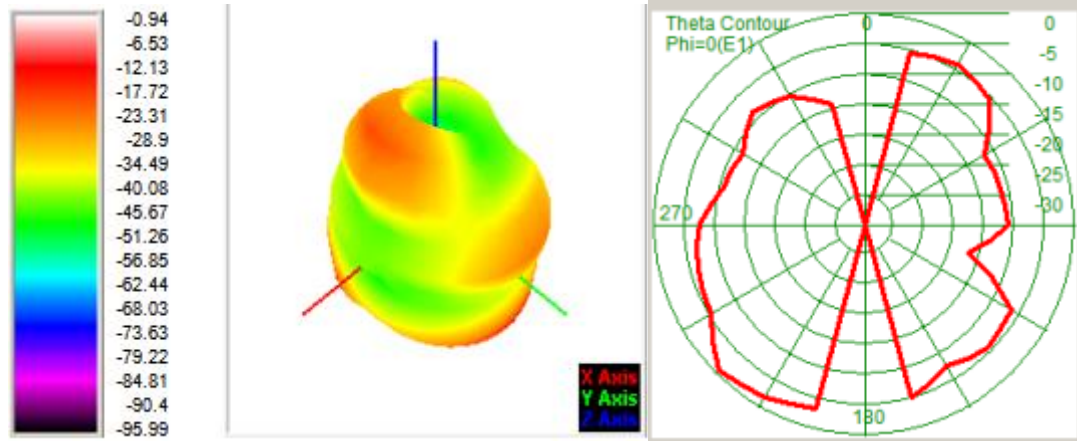
DSC1800



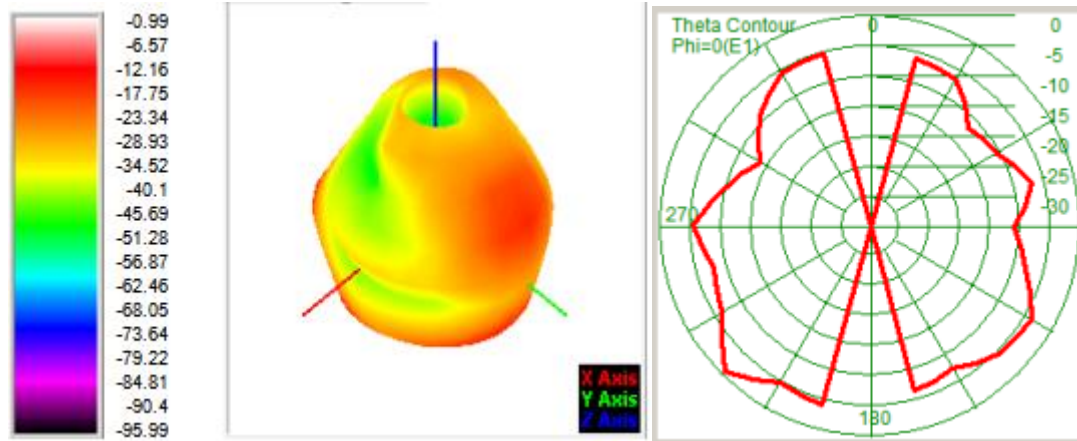
PCS1900



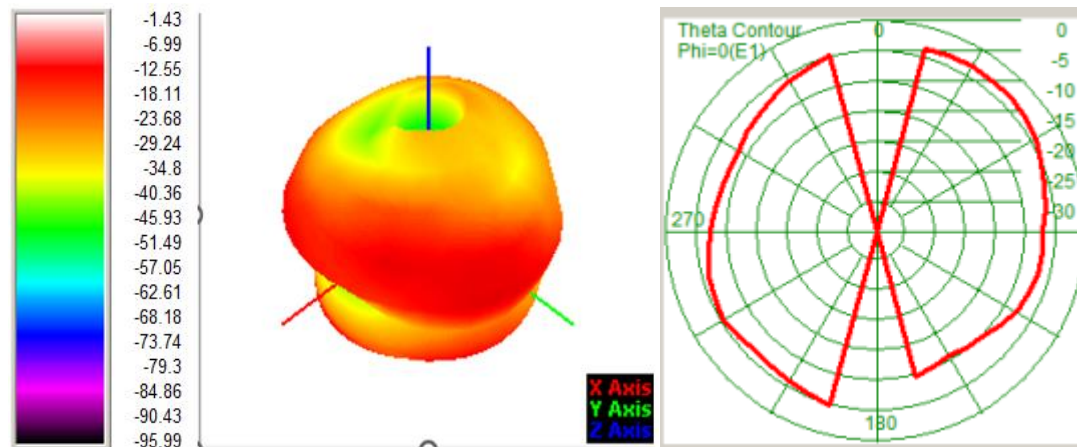
W2



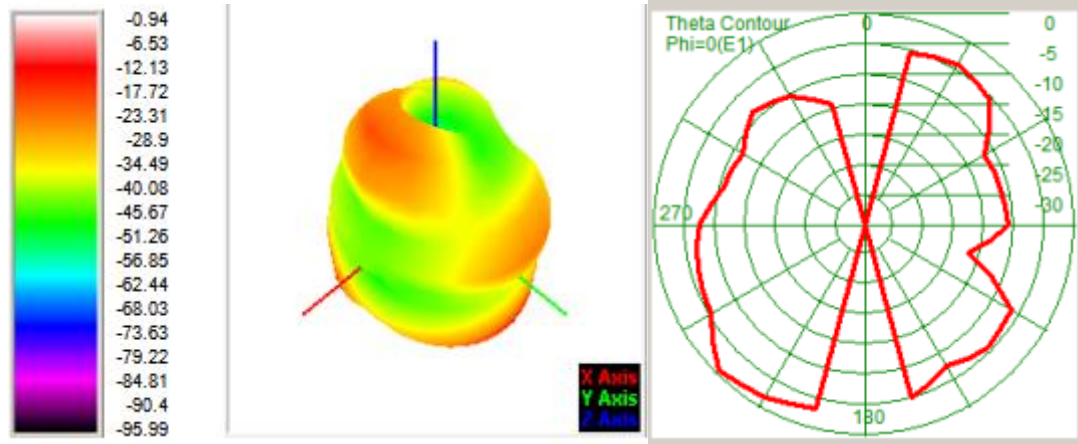
W4



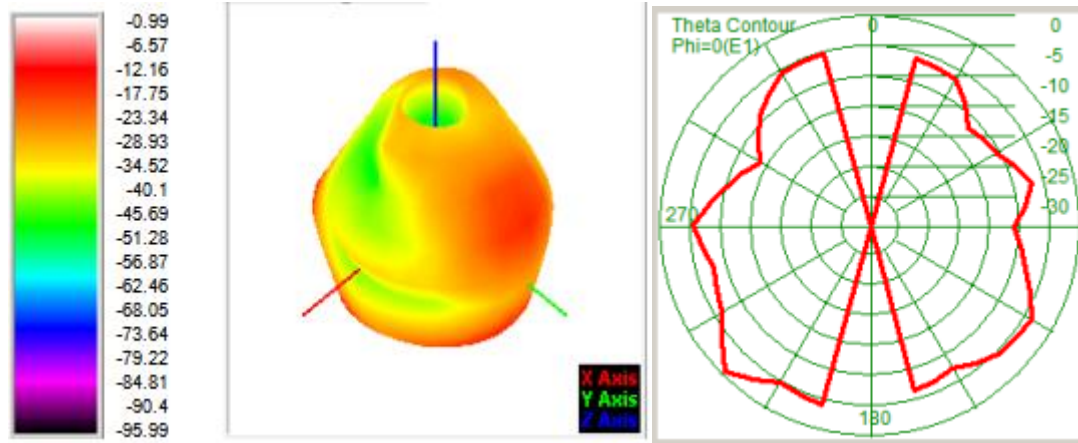
W5



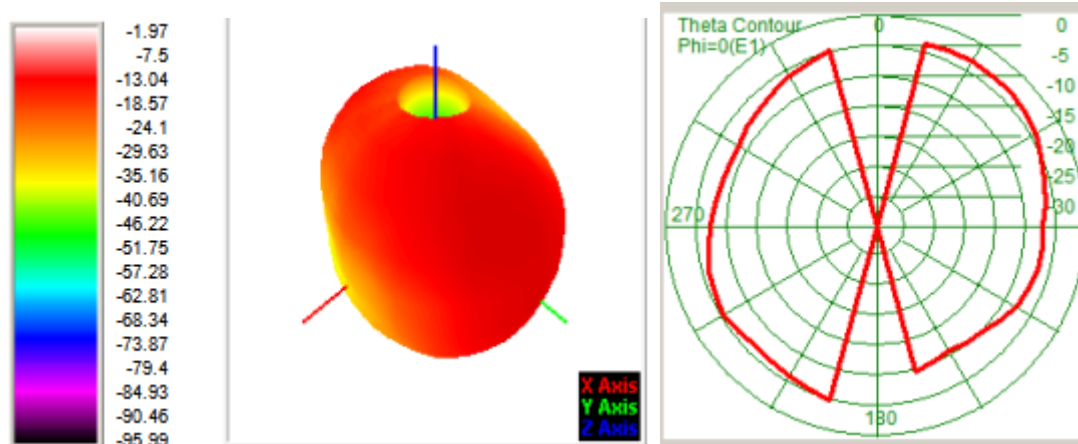
FDD-B2



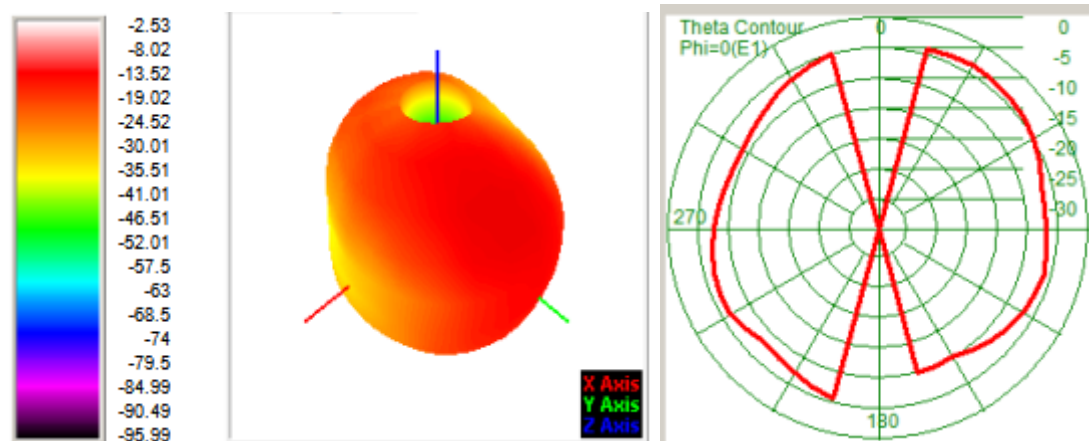
FDD-B4



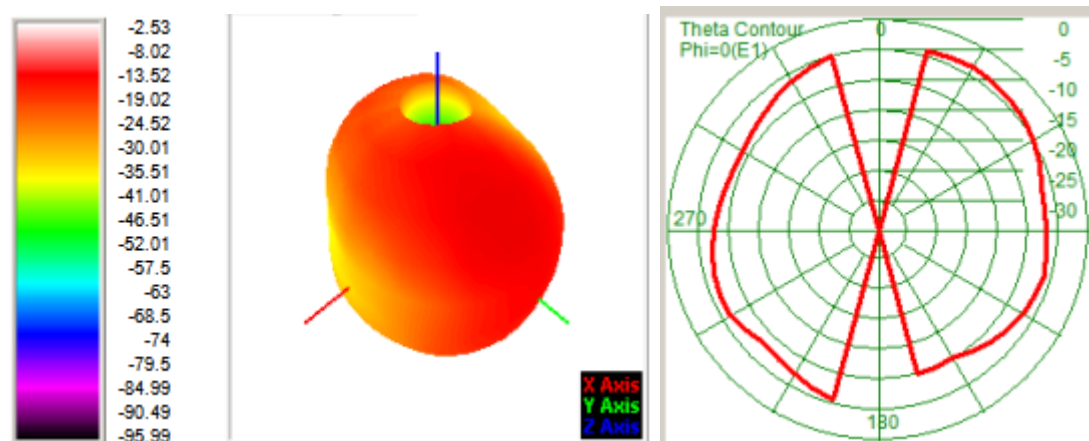
FDD-B5



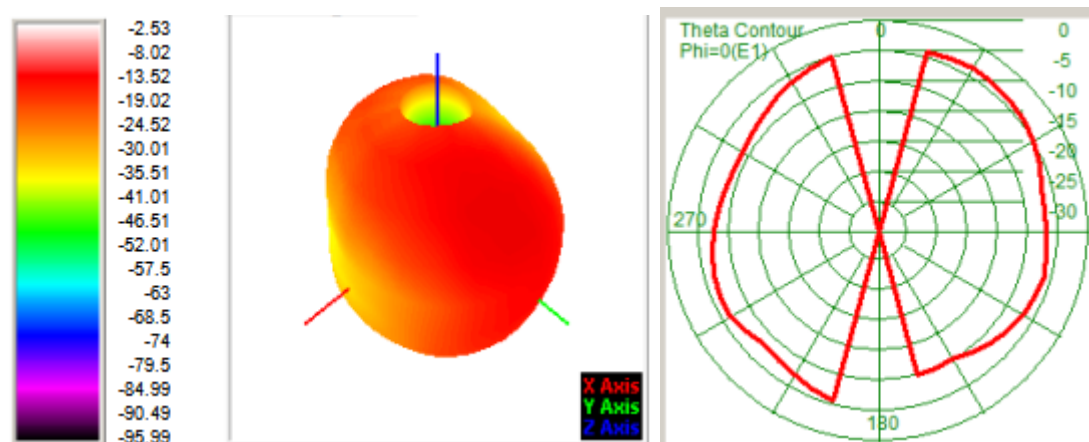
FDD-B12



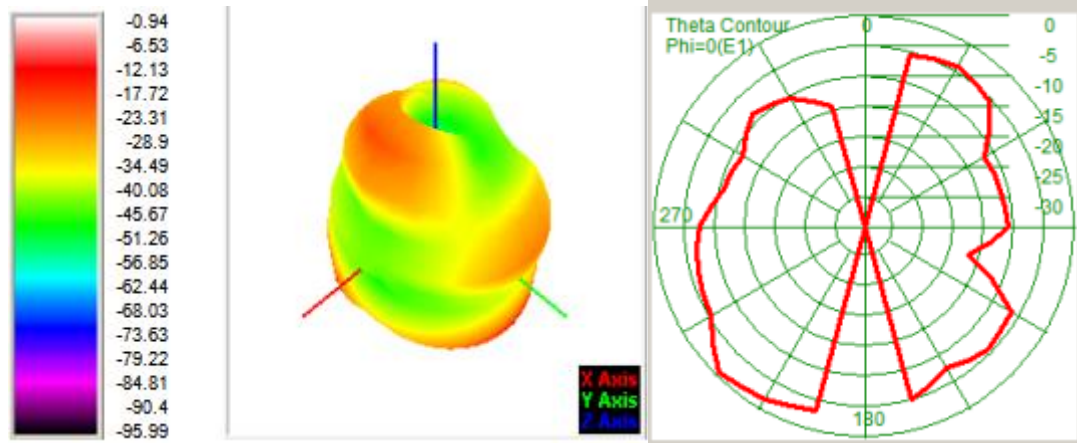
FDD-B13



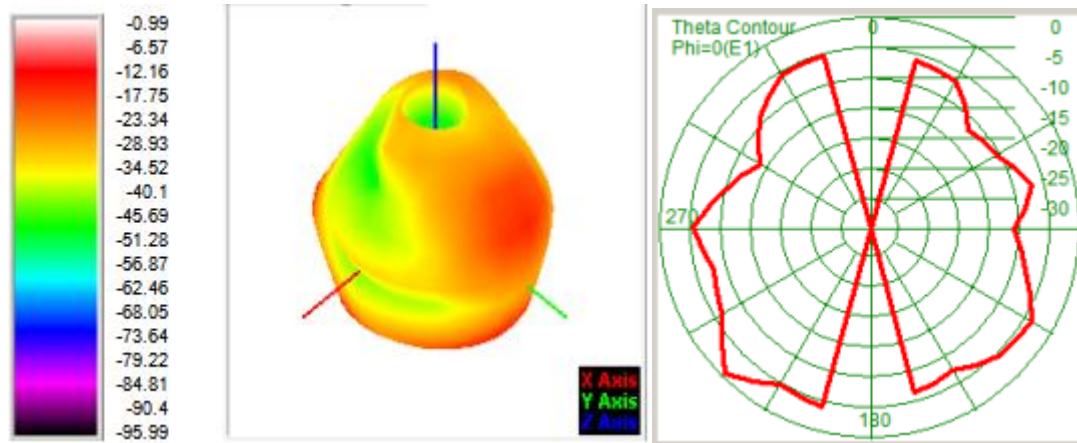
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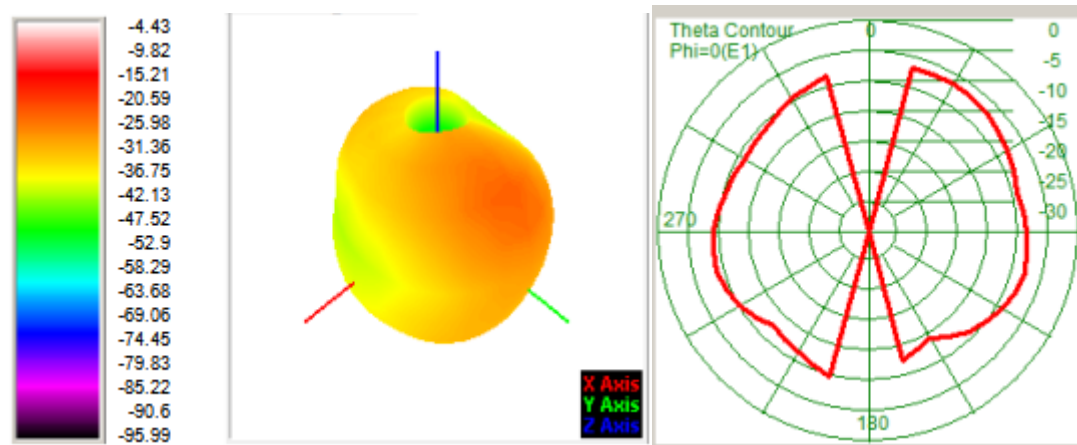
FDD-B25



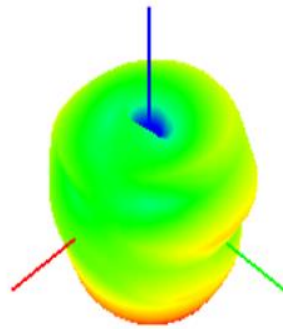
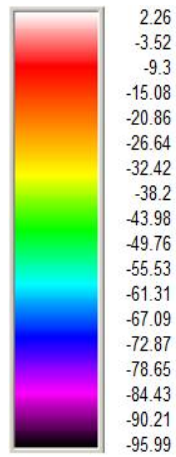
FDD-B66



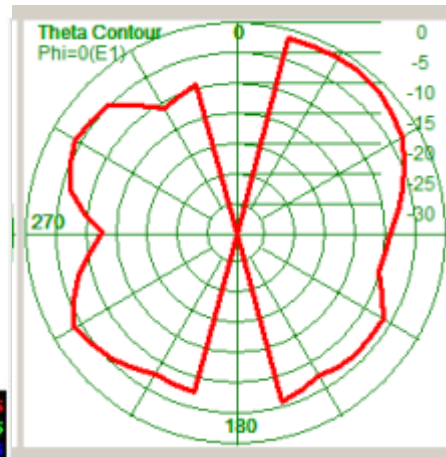
FDD-B71



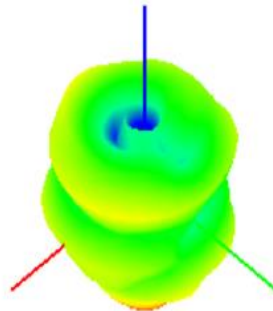
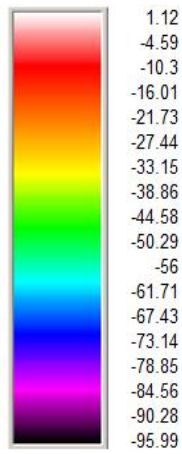
GPS



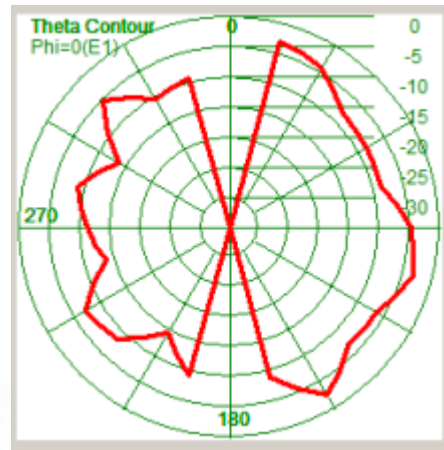
X Axis
Y Axis
Z Axis



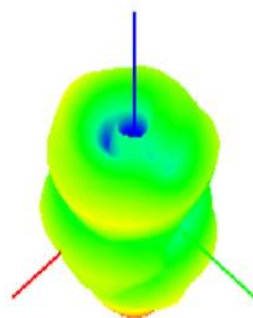
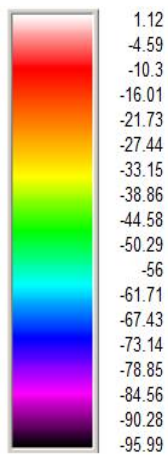
BT



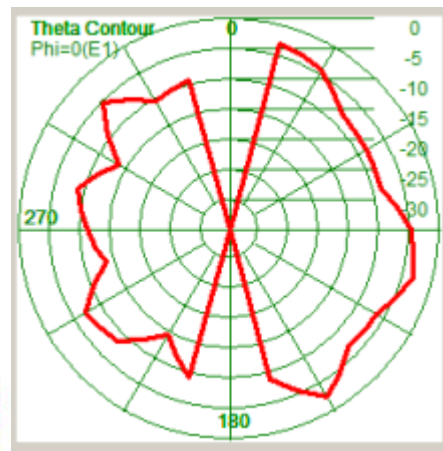
X Axis
Y Axis
Z Axis



2.4G-WIFI



X Axis
Y Axis
Z Axis



10.Introduction to Antenna Information

Z6705	
Antenna type and frequency band	MAIN ANTENNA(PIFA):2G/3G/4G DIV ANTENNA(PIFA):2G/3G/4G GPS/WIFI/BT ANTENNA(PIFA):L1/2.4GWIFI/BT
Antenna materia	FPC