

深圳市麒鑫通达科技有限公司

Shenzhen Qixin Tongda Technology Co., Ltd

**Add.: Area A, 2nd Floor, No.37 Hongxiang
Industrial Zone, Xin'2 Community, Shajing
Street, Bao 'an District, Shenzhen City and**

Area A, 1 Building

Antenna Specification

Customer:

项目: E67A1

GSM: B2/B3/B5/B8

WCDMA: B1/B2/B4/B5/B8

TDD:B38/B40

FDD:B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B28/B66

Project: Mr. Xiong (187 1893 6792)

Date: 2026-03-16

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)

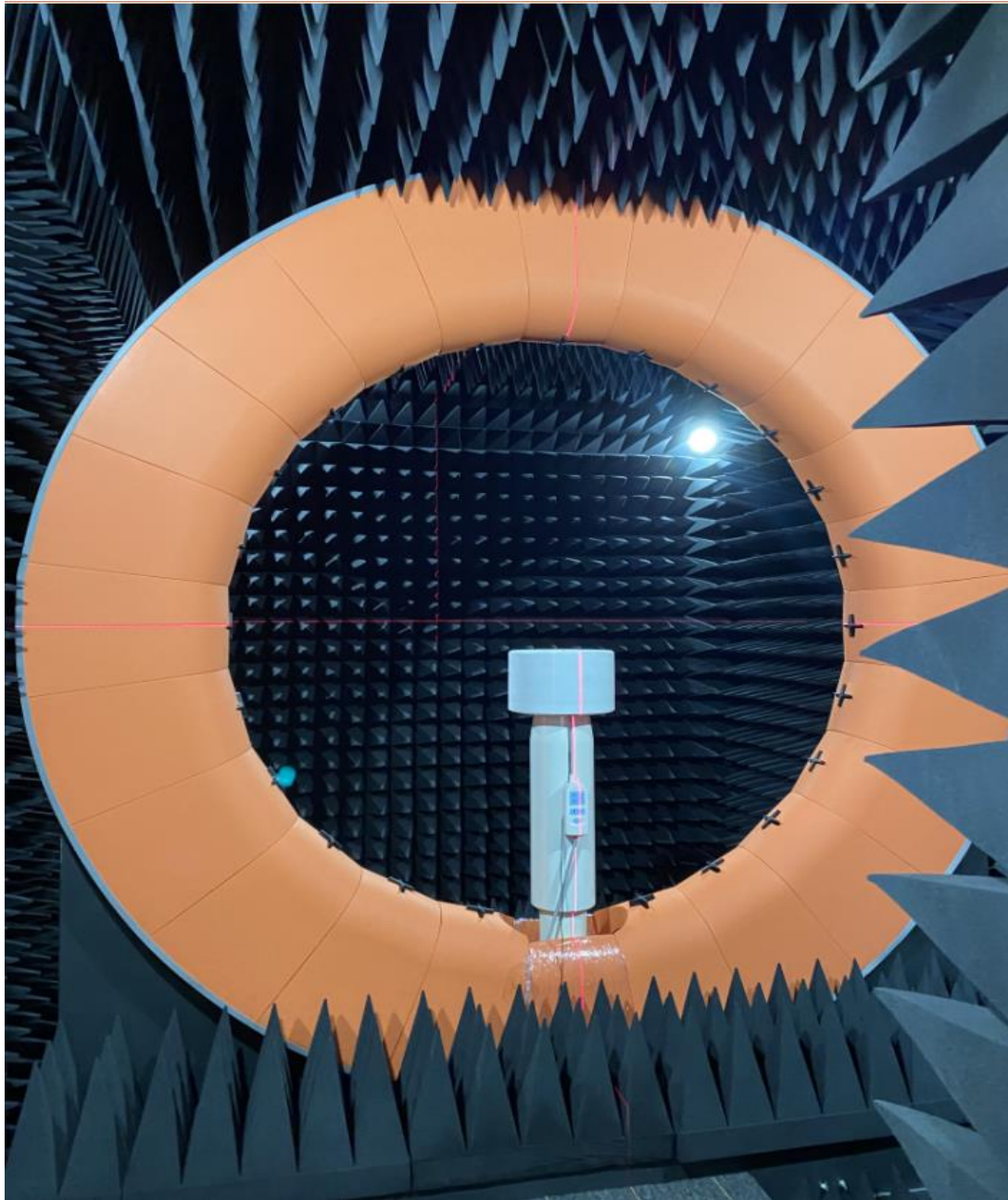


CMW 500 (2G/3G/4G Test Equipment)



SP9500 (5G Test Equipment)

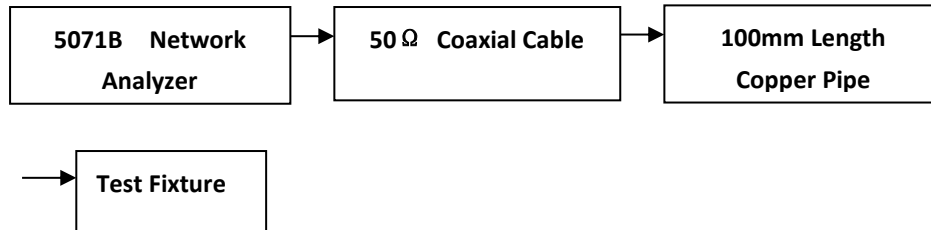
3. TestEnvironment



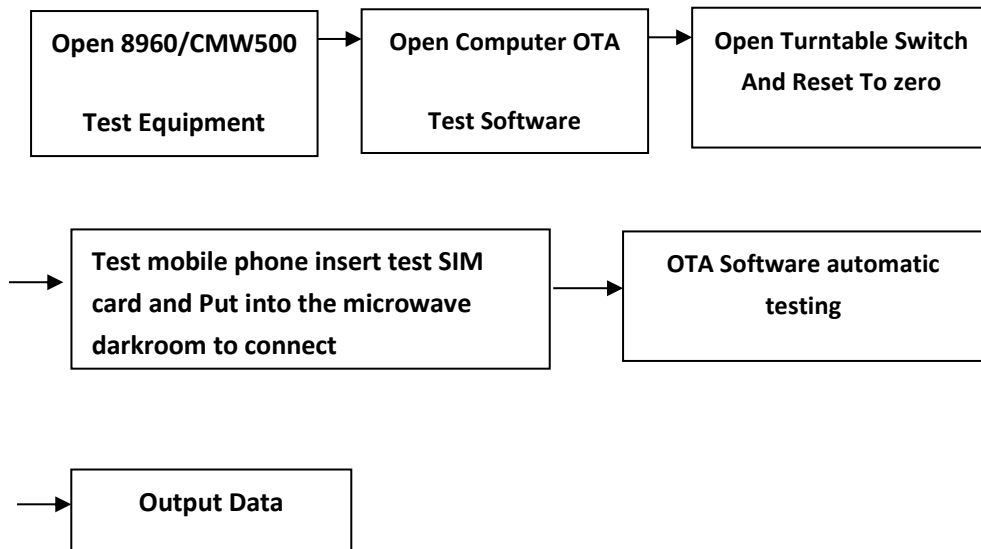
Microwave Anechoic Chamber

4.Test Steps

Passive VSWR/RL Test Steps:



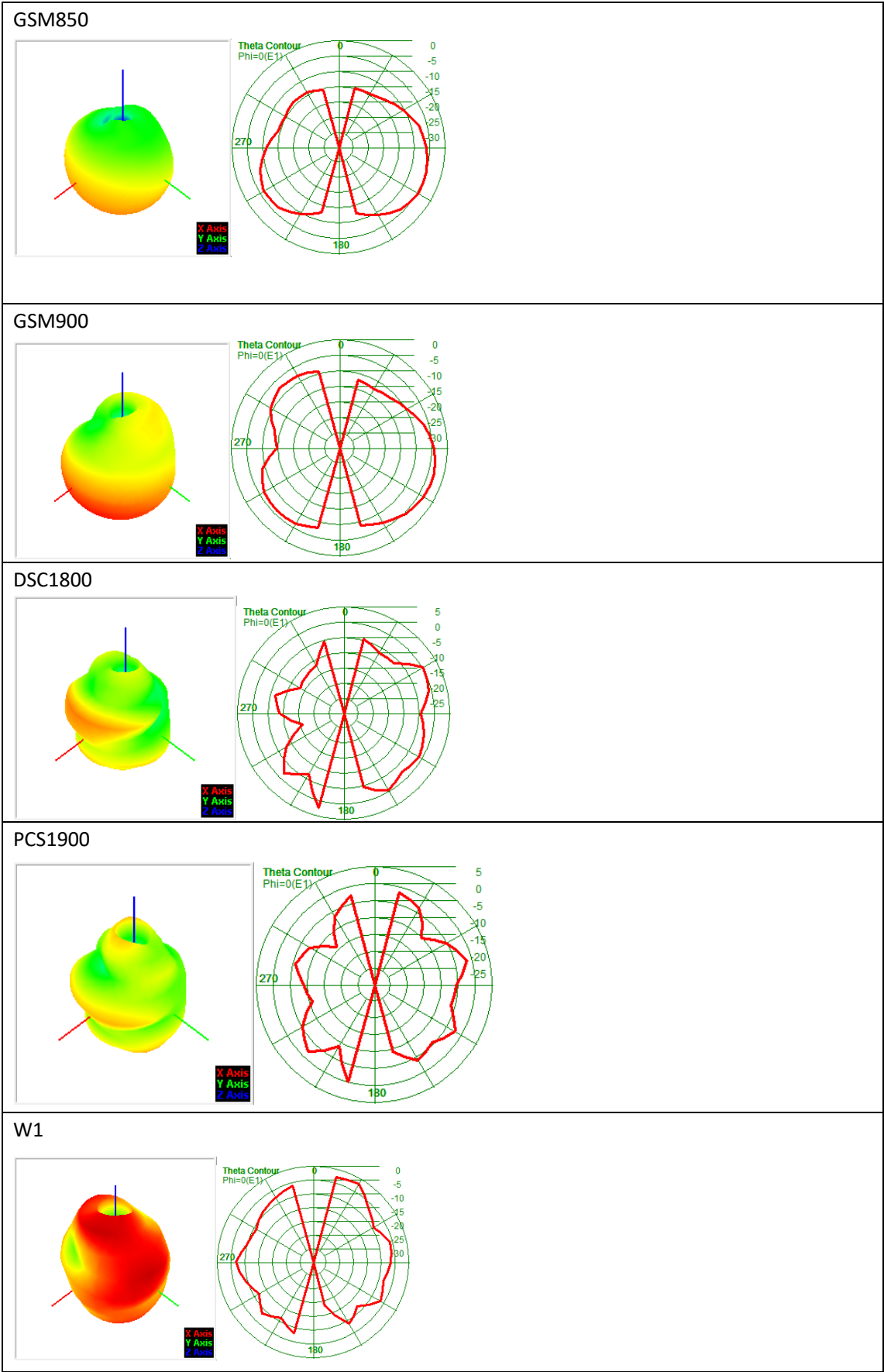
Active TRP/TIS Test Steps:



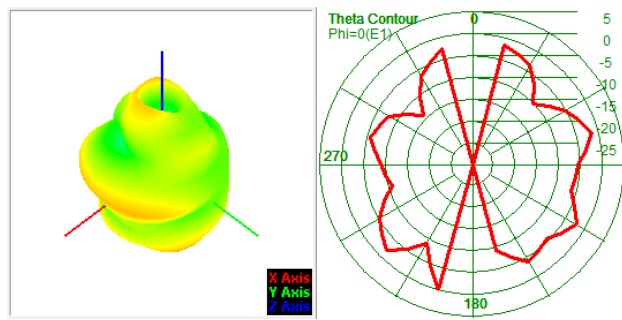
5. Antenna Gain

Band	Max Gain	Band	Max Gain
GSM850	-0.87		
GSM900	-0.71		
DCS1800	0.85		
PCS1900	0.47		
WCDMA1	-0.17		
WCDMA2	0.47		
WCDMA4	0.54		
WCDMA5	-0.87		
WCDMA8	-0.71		
LTE-B1	-0.17		
LTE-B2	0.47		
LTE-B3	0.85		
LTE-B4	0.54		
LTE-B5	-0.87		
LTE-B7	-0.47		
LTE-B8	-0.71		
LTE-B12	-1.22		
LTE-B13	-1.45		
LTE-B17	-1.25	Bluetooth	-0.13
LTE-B28	-1.33	WIFI-2.4G	-0.13
LTE-B66	0.58	WIFI-5.1G	-0.38
LTE-B38	-0.78	WIFI-5.8G	-0.50
LTE-B40	-0.58	GPS	-0.31

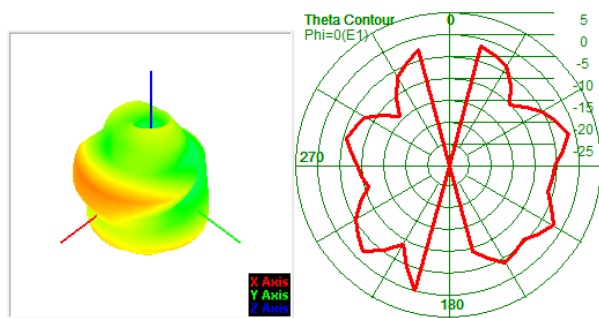
6.3D Lobe Diagram



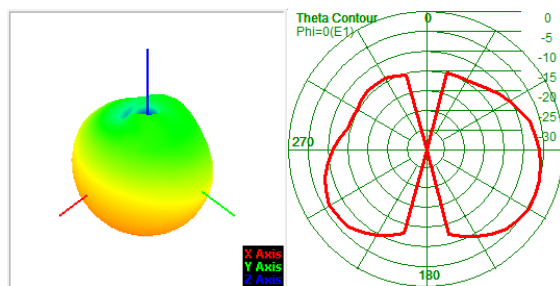
W2



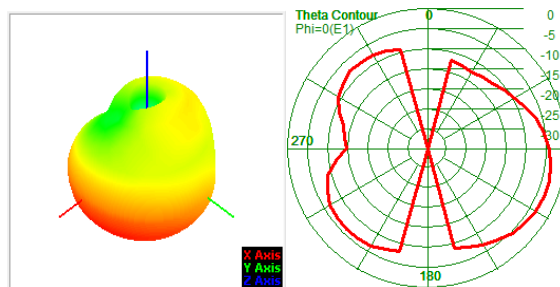
W4



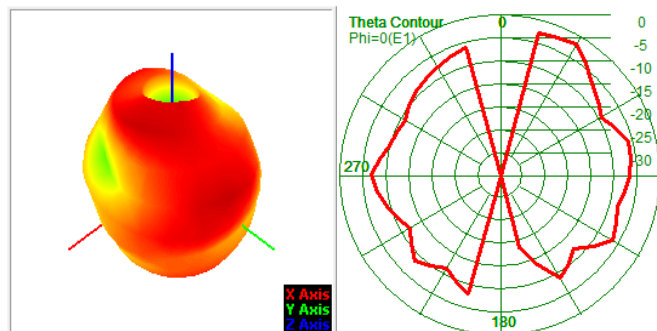
W5



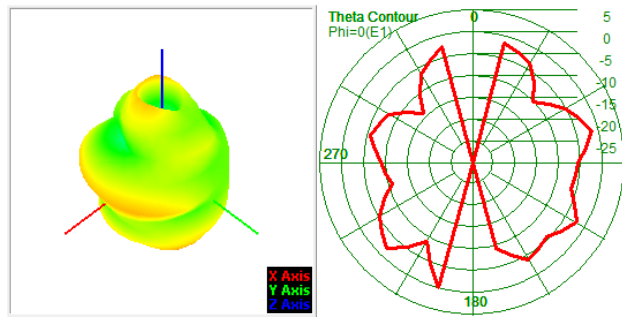
W8



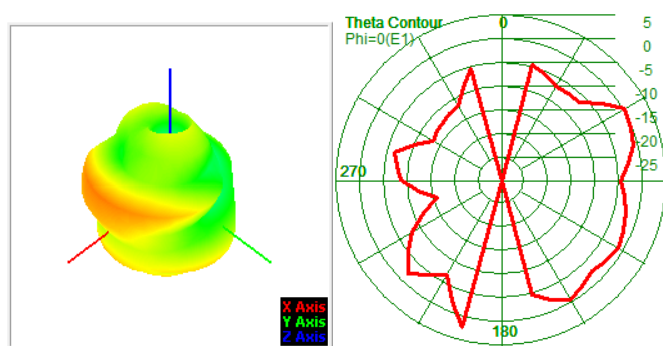
FDD-B1



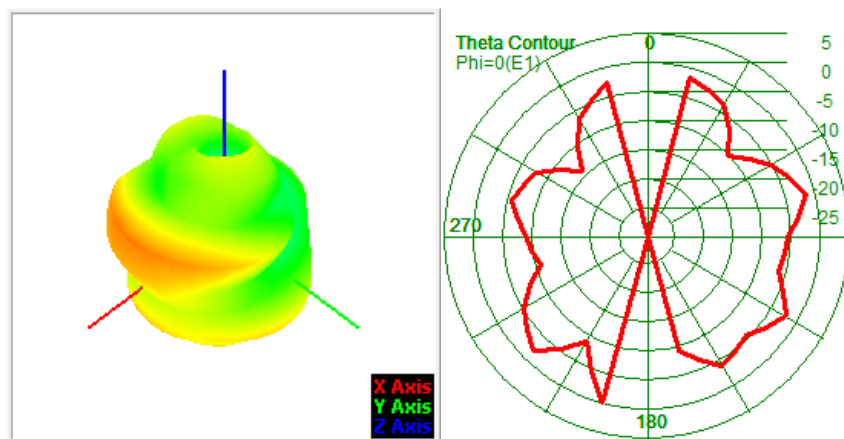
FDD-B2



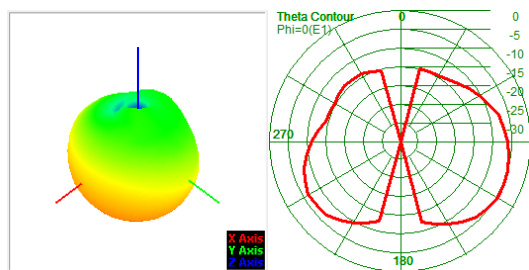
FDD-B3



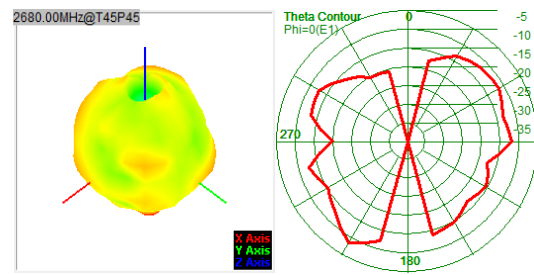
FDD-B4



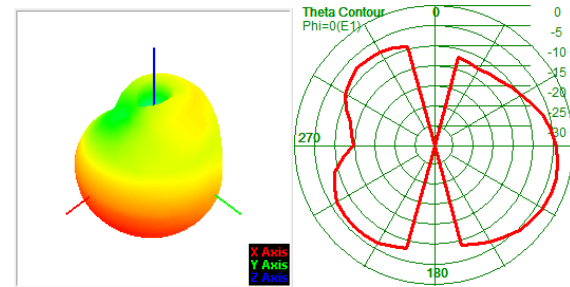
FDD-B5



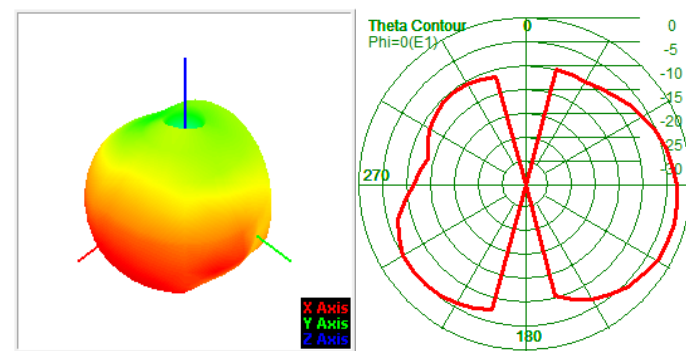
FDD-B7



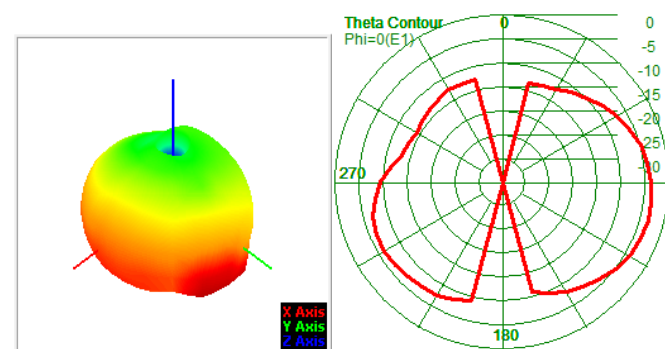
FDD-B8



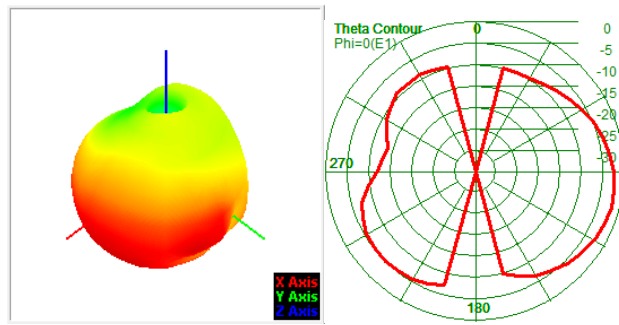
FDD-B12



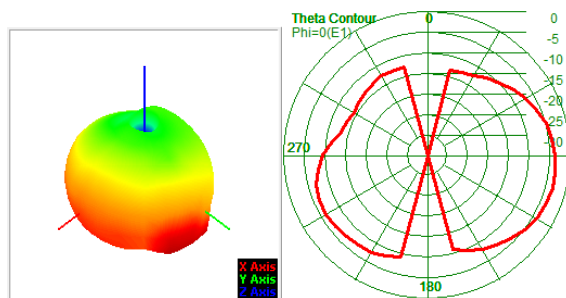
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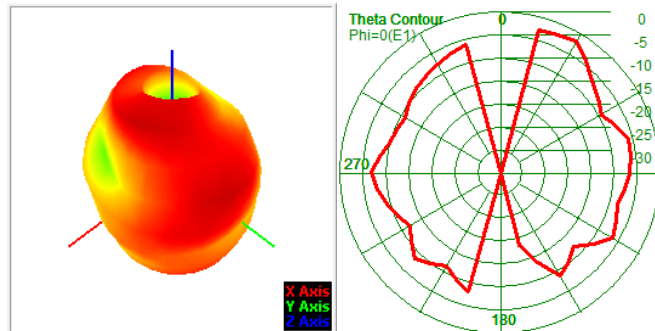
FDD-B17



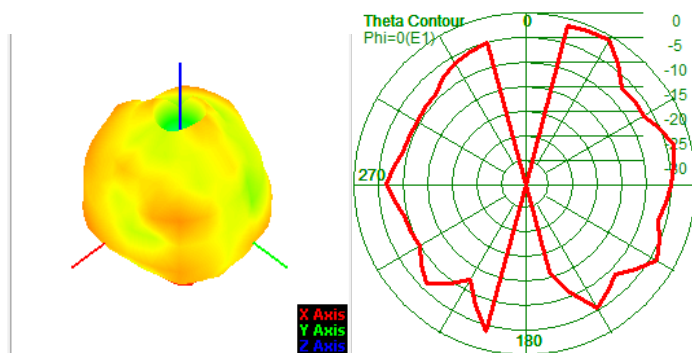
FDD-B28



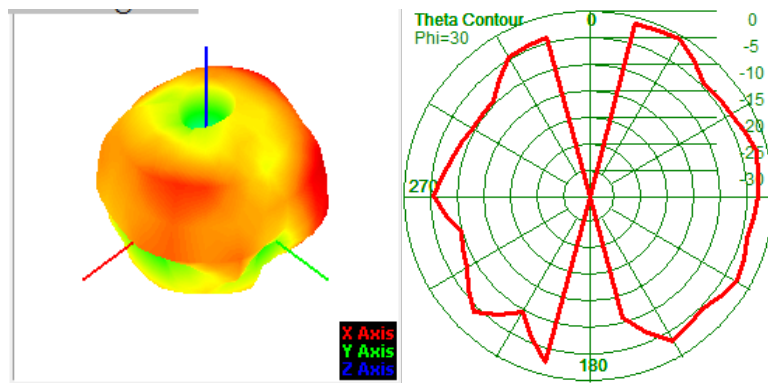
FDD-B66



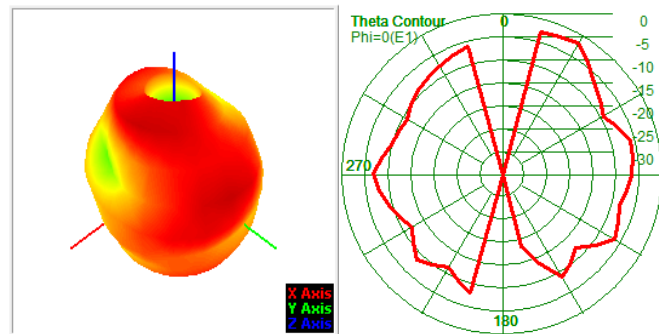
TDD-B38



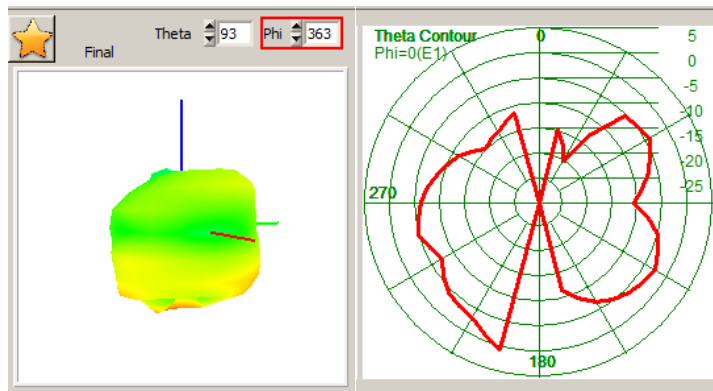
TDD-B40



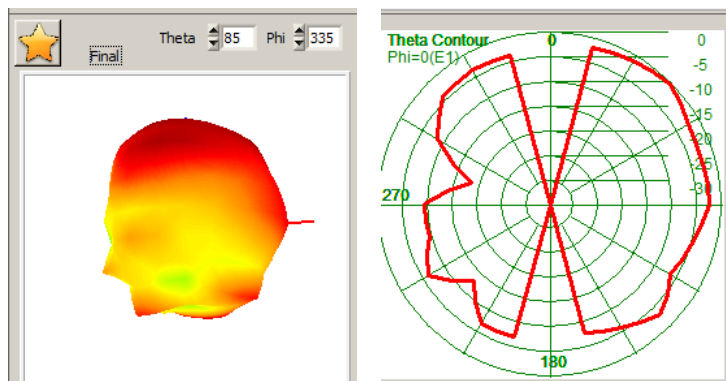
FDD-66



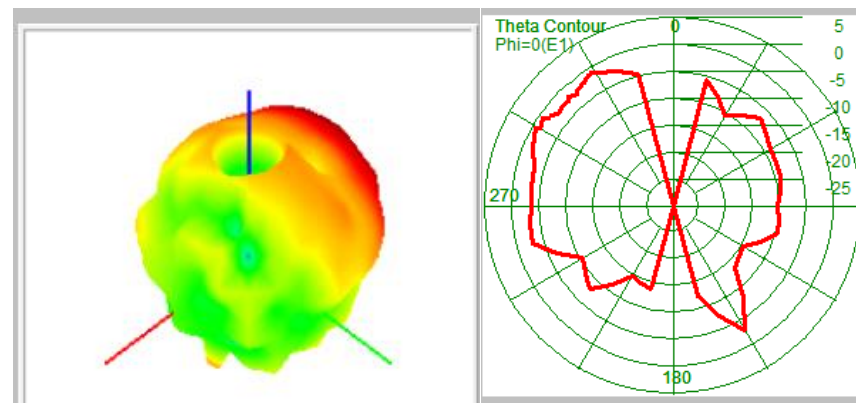
GPS



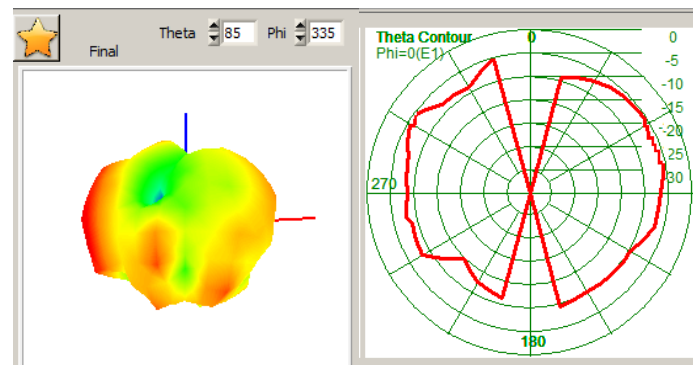
BT/WIFI-2.4



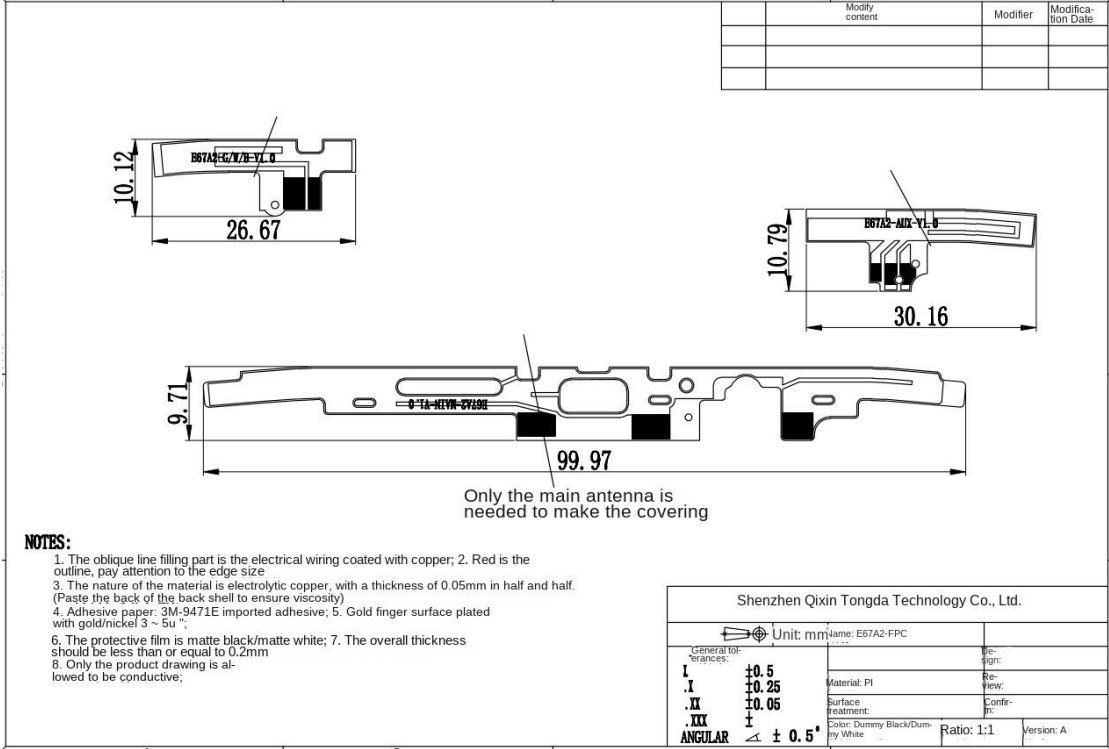
5.1G-WIFI



5.8G-WIFI



7. Antenna drawing



8.Introduction to Antenna Information

E67A1	
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