

ShenZhen QiXinTongDa Technology Co.,Ltd.

Antenna Test Report

Model: P11

**GSM2/3/5/8+W1/2/4/5/6/8/19+BC0/BC1/BC10+LTE1/2/3/4/5/7/8/12/13/
17/18/19/20/25/26/28/34/38/39/40/41H/66+N1/2/3/5/7/8/12/20/25/28/
38/40/41/66/77/78**

Project: Fu (187 1893 6792)

Date: 2025-7-1

ADDRESS: Room503-505,Building211,

Tairan Industrial and TradePark, Chegongmiao,FutianDistrict,Shenzhen

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)

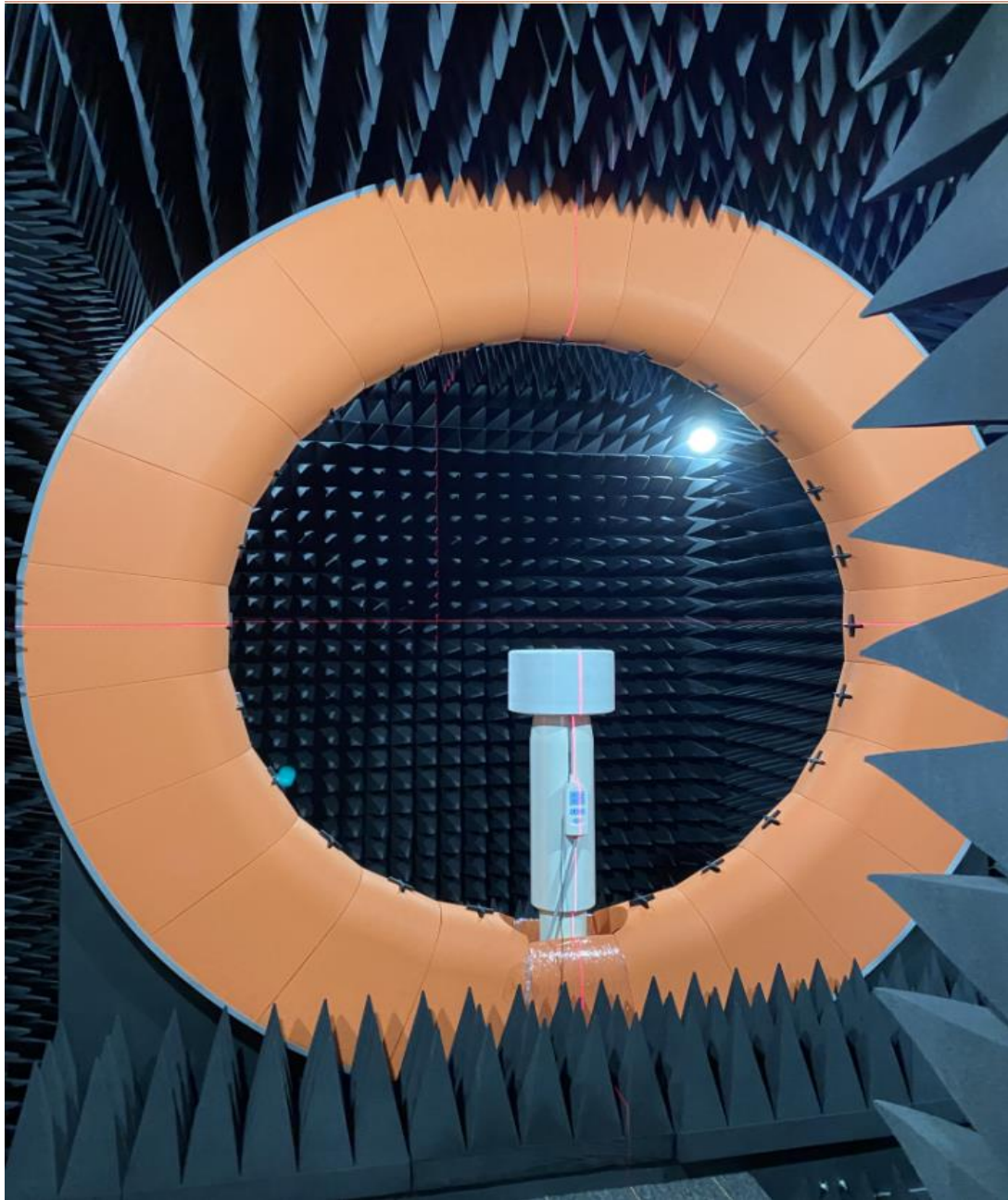


CMW 500 (2G/3G/4G Test Equipment)



SP9500 (5G Test Equipment)

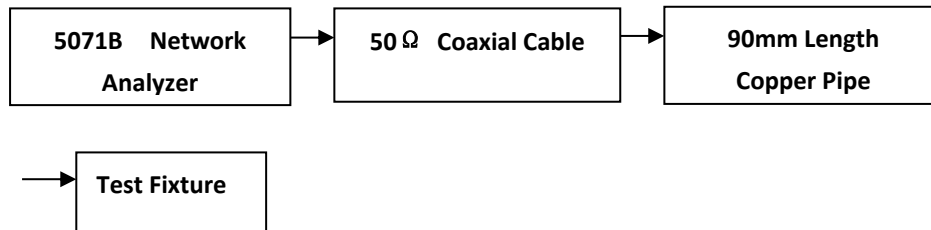
3. TestEnvironment



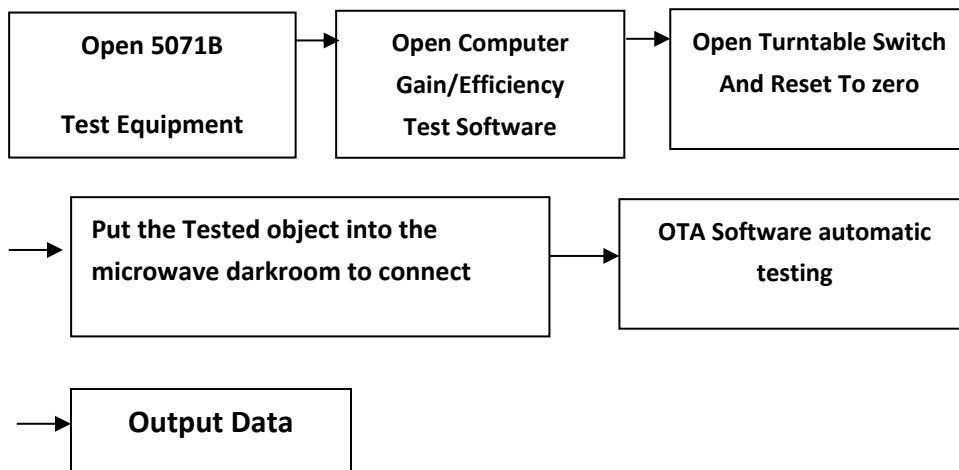
Microwave Anechoic Chamber

4.Test Steps

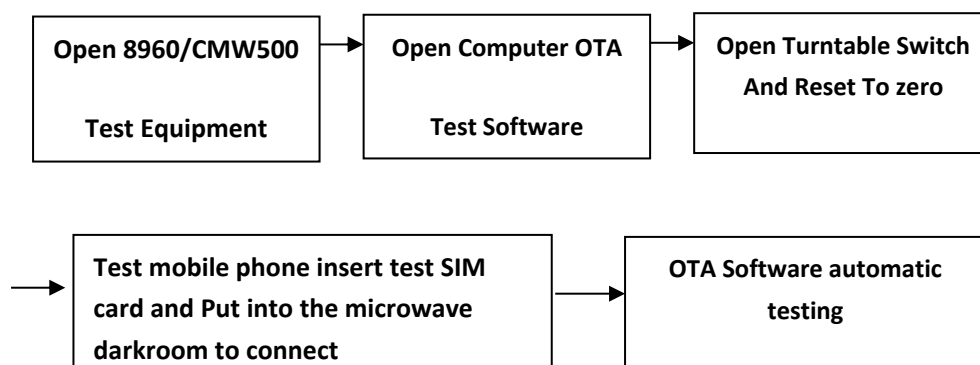
Passive VSWR/RL Test Steps:



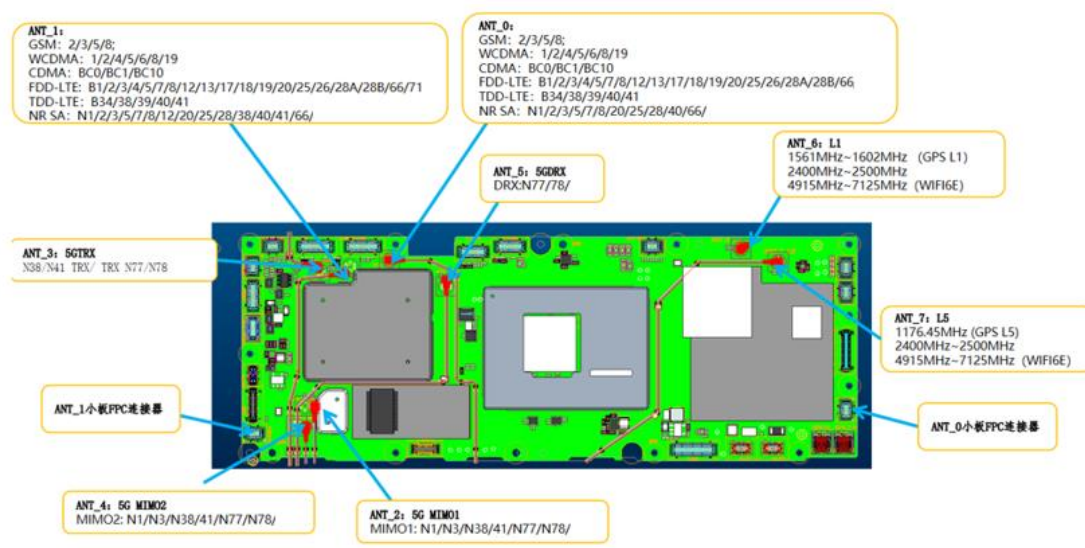
Gain/Efficiency Test Steps:



Active TRP/TIS Test Steps:



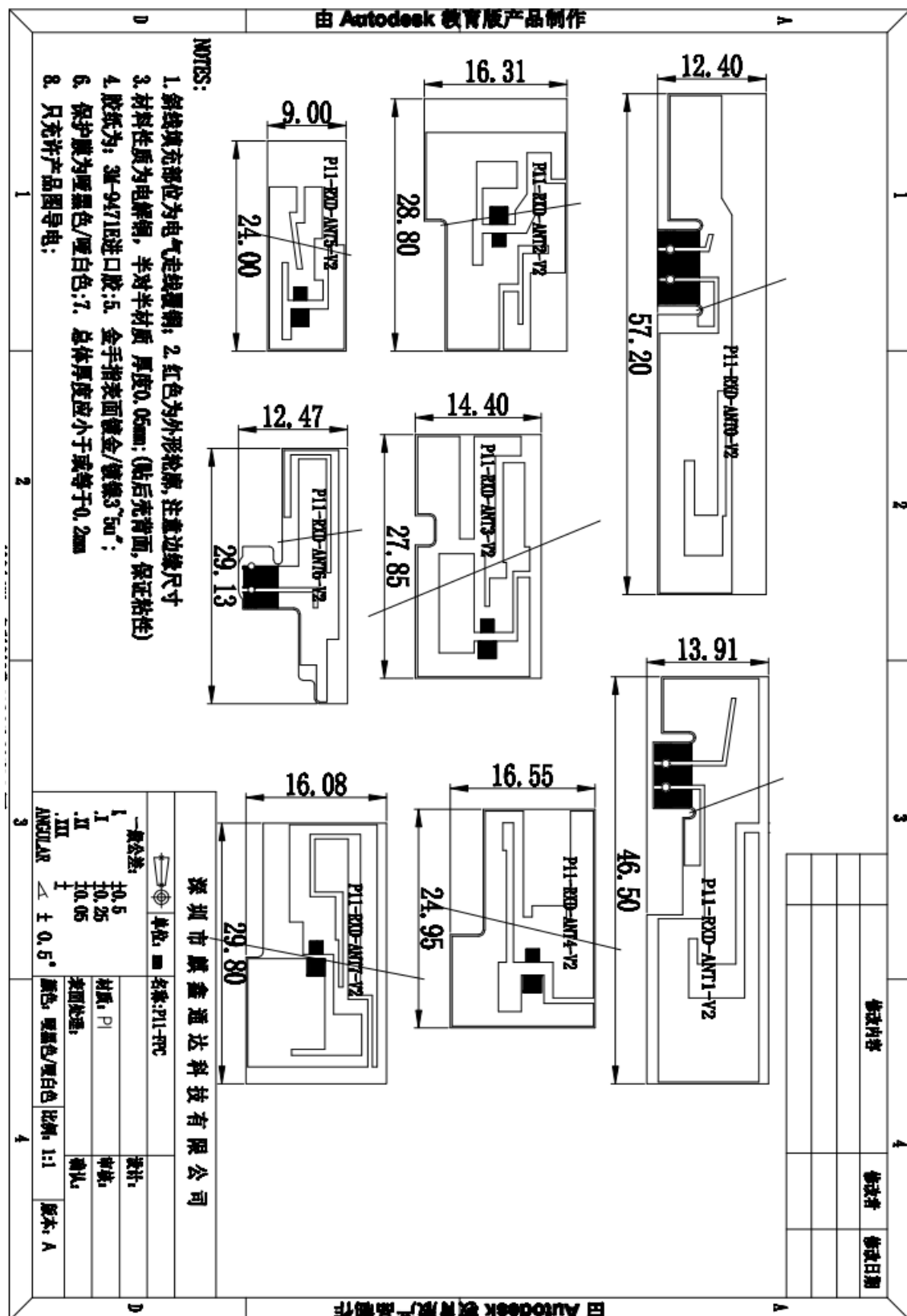
5. Antenna frequency band distribution



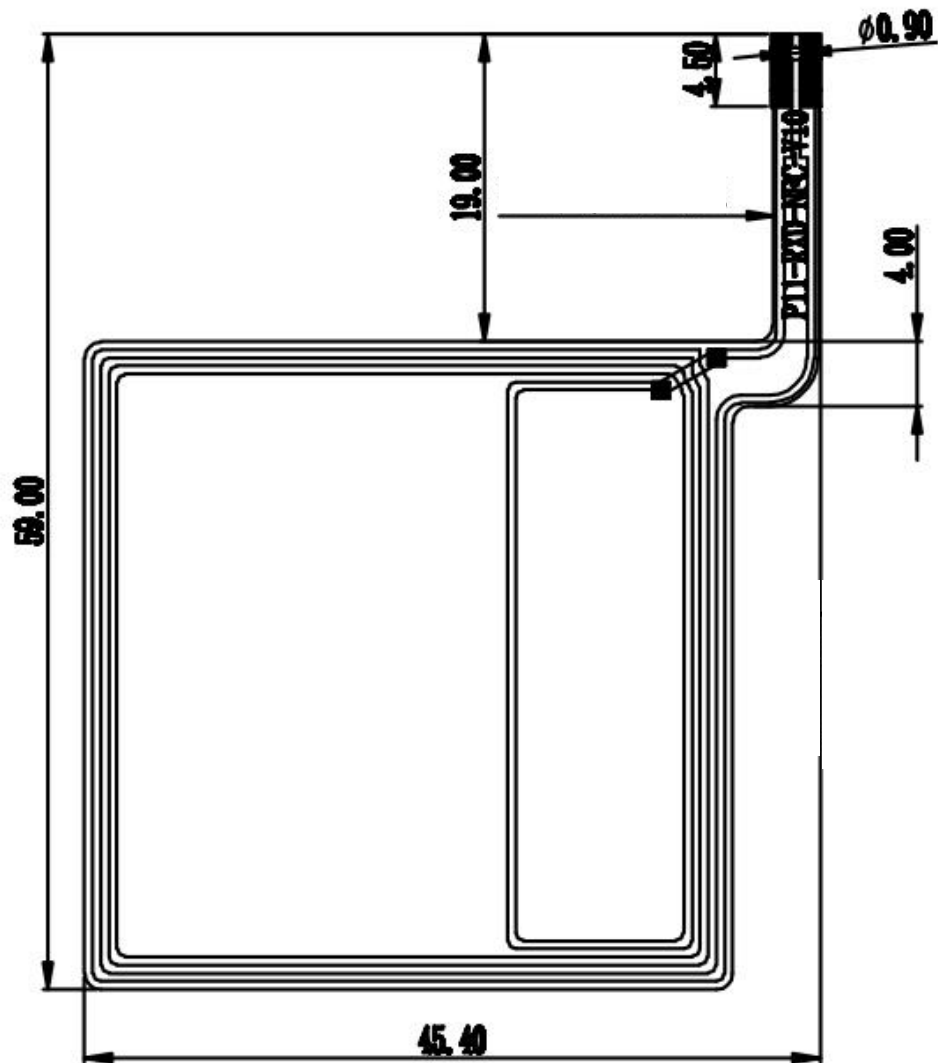
6. Antenna distribution diagram



7. Antenna Dimensions



NFC SIZE(59*45.45.4mm)



8. Antenna Gain

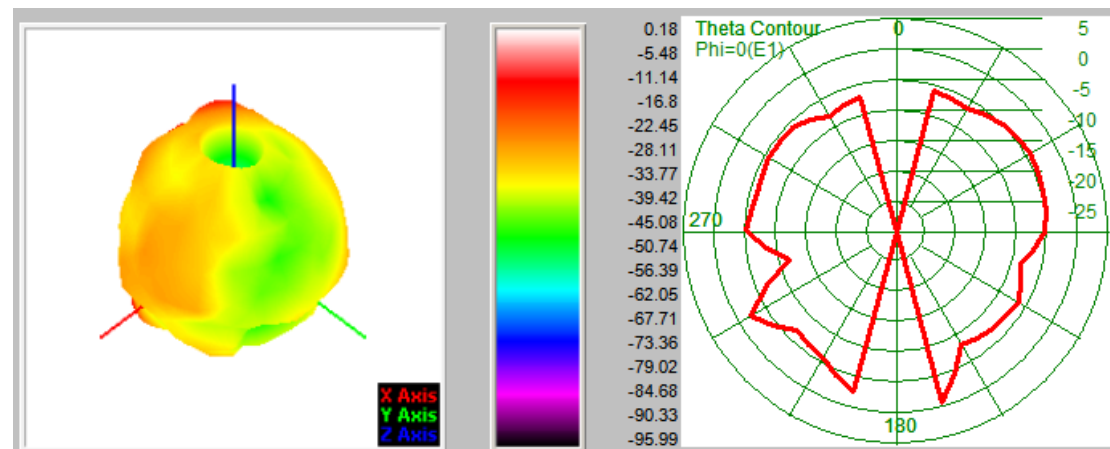
Band	Max Gain	Band	Max Gain
GSM850(824-894MHz)	-1.03	LTE-B28(703-803)	-2.62
GSM900(880-960MHz)	-0.80	LTE-B66(1710-2200)	-0.31
DCS1800(1710-1880MHz)	-0.31	LTE-B34(2010-2024)	-0.88
PCS1900(1850-1990MHz)	-0.56	LTE-B38(2570-2620)	0.14
WCDMA1(1920-2170MHz)	-0.71	LTE-B39(1880-1920)	-0.56
WCDMA2(1850-1990MHz)	-0.56	LTE-B40(2300-2400)	0.20
WCDMA4(1712-2153MHz)	-0.31	LTE-B41(2496-2690)	0.14
WCDMA5(826-892MHz)	-1.03	BC0(815-894)	-1.03
WCDMA6(832-883MHz)	-1.03	BC1(1850-1990)	-0.56
WCDMA8(882-958MHz)	-0.80	BC10(806-940)	-1.03
WCDMA19(832-888MHz)	-1.03	NR-B1(1920-2170)	-0.71
LTE-B1(1920-2170)	-0.71	NR-B2(1850-1990)	-0.56
LTE-B2(1850-1990)	-0.56	NR-B3(1710-1880)	-0.31
LTE-B3(1710-1880)	-0.31	NR-B5(824-894)	-1.03
LTE-B4(1710-2155)	-0.31	NR-B7(2500-2690)	0.14
LTE-B5(824-894)	-1.03	NR-B8(880-960)	-0.80
LTE-B7(2500-2690)	0.14	NR-B12(699-746)	-2.62
LTE-B8(880-960)	-0.80	NR-B20(791-862)	-1.03
LTE-B12(699-746)	-2.62	NR-B25(1850-1995)	-0.56
LTE-B13(746-787)	-2.39	NR-B28(703-803)	-2.62
LTE-B17(704-746)	-2.62	NR-B38(2570-2620)	2.17
LTE-B18(815-875)	-1.03	NR-B40(2300-2400)	0.20
LTE-B19(830-890)	-1.03	NR-B41(2496-2690)	2.17
LTE-B20(791-862)	-1.03	NR-B66(1710-2200)	-0.31
LTE-B25(1850-1995)	-0.56	NR-B77(3300-4200)	1.08
LTE-B26(814-894)	-1.03	NR-B78(3300-3800)	0.76

ANT6(L1/BT/WIFI2.4/5-7.125G)	
Band	Max Gain
Bluetooth(2402-2480)	0.18
WIFI-2.4(2412-2484)	0.18
WIFI-5.1(5150-5350)	1.53
WIFI-5.8(5725-5850)	0.51
WIFI-6(5925-7125)	1.69
GPS-L1(1575.42)	0.78

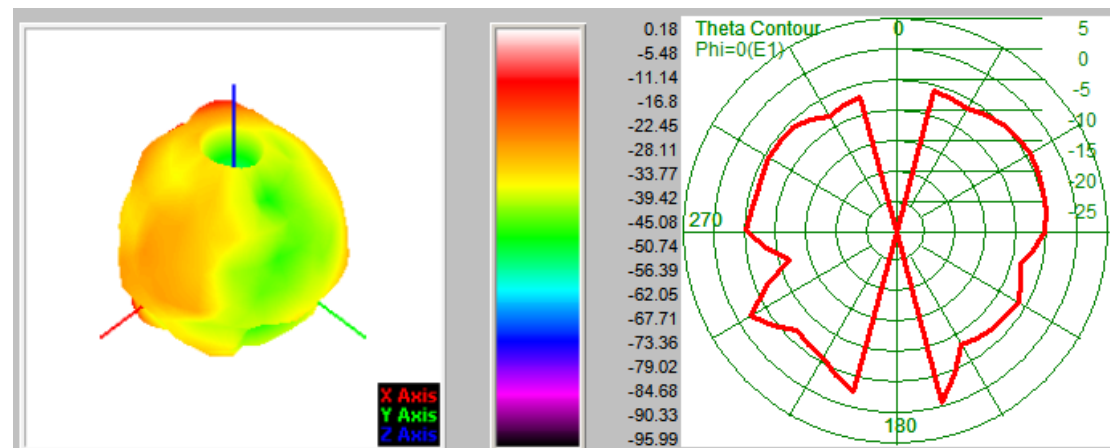
ANT7(L5/WIFI2.4/5-7.125G)	
Band	Max Gain
WIFI-2.4(2412-2484)	0.30
WIFI-5.1(5150-5350)	1.66
WIFI-5.8(5725-5850)	1.59
WIFI-6(5925-7125)	2.77
GPS-L5(1176.45)	-0.59

9.2D&3D Lobe Diagram

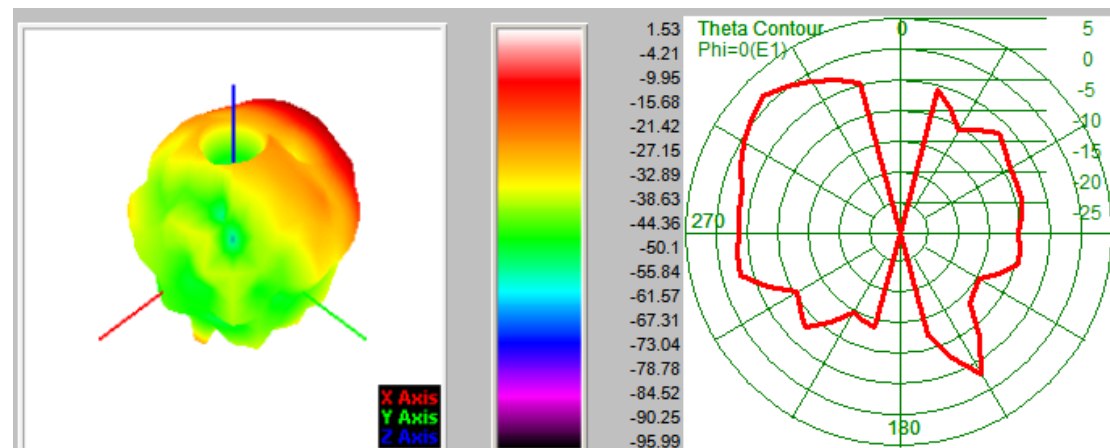
ANT6-BT



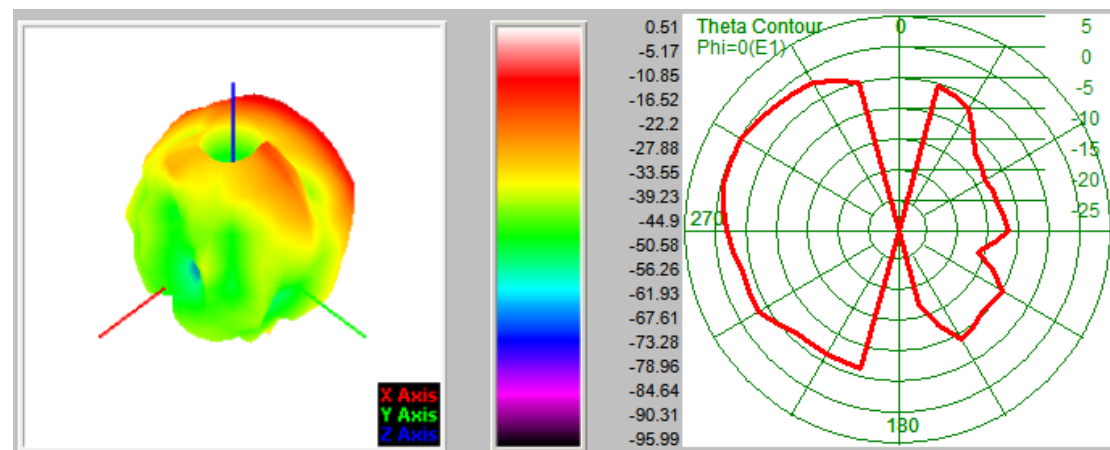
ANT6-2.4GWIFI



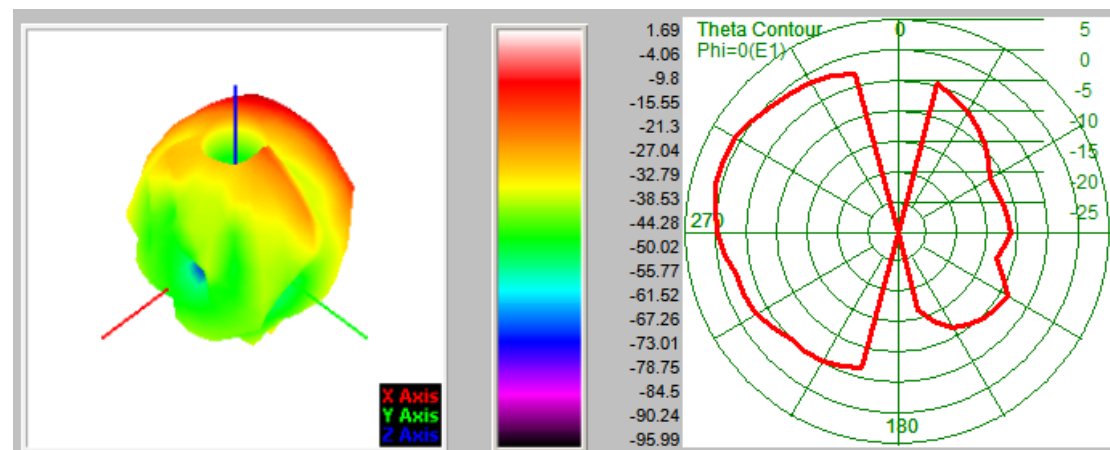
ANT6-5.1GWIFI



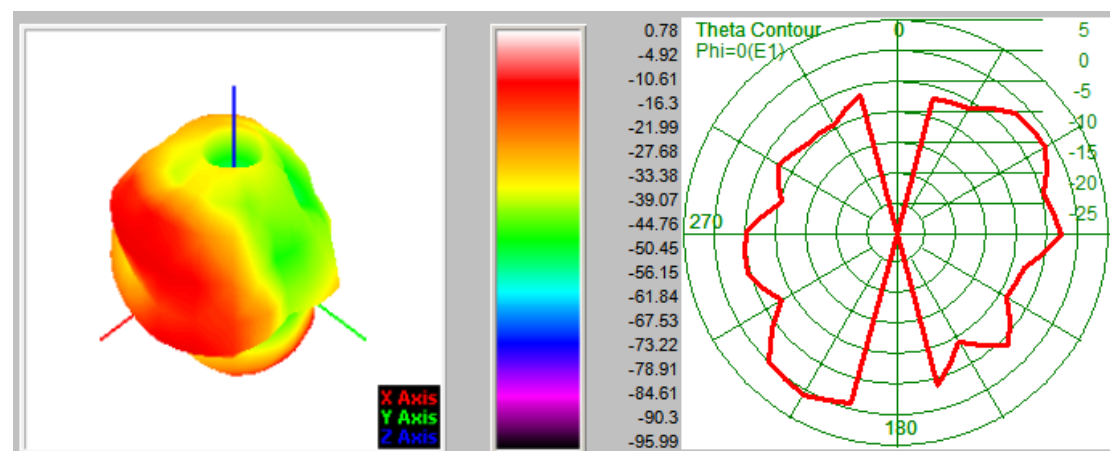
ANT6-5.8GWIFI



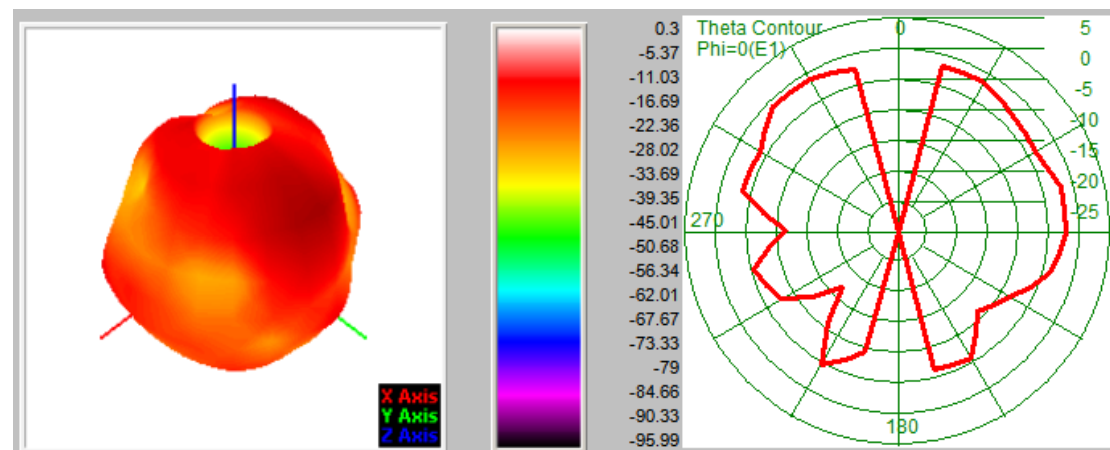
ANT6-6GWIFI



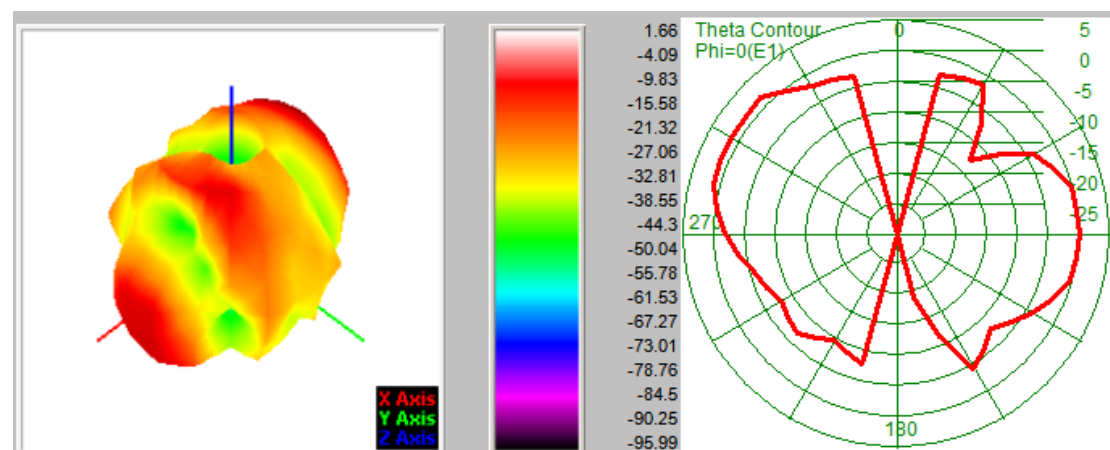
ANT6-GPS-L1



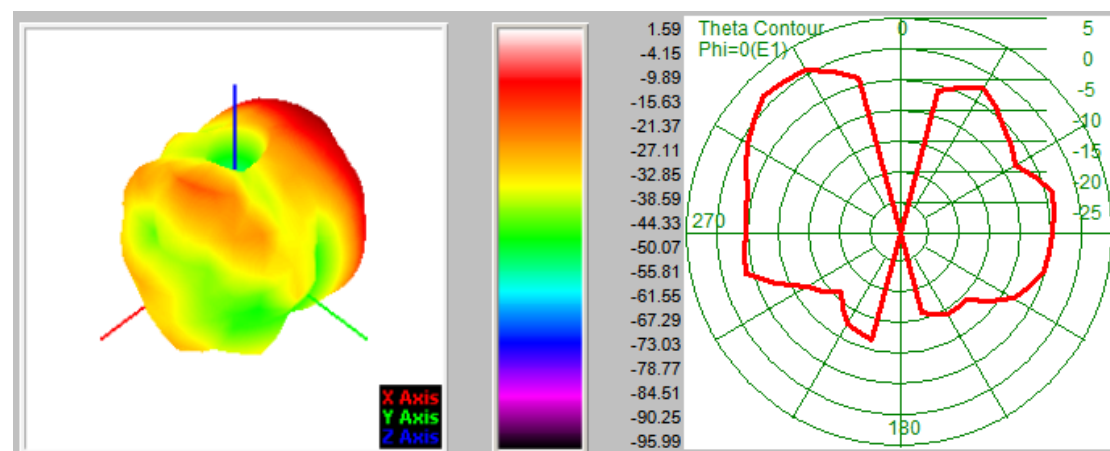
ANT7-2.4GWIFI



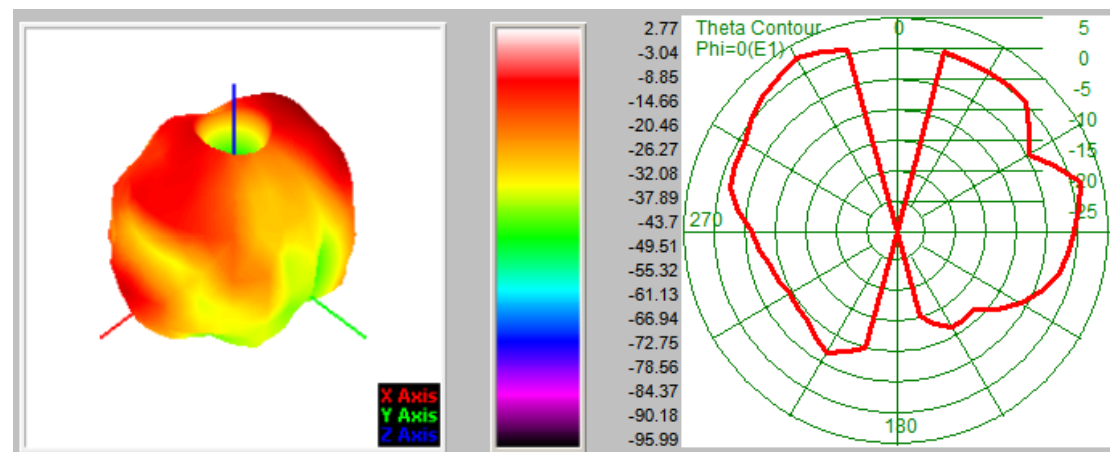
ANT7-5.1GWIFI



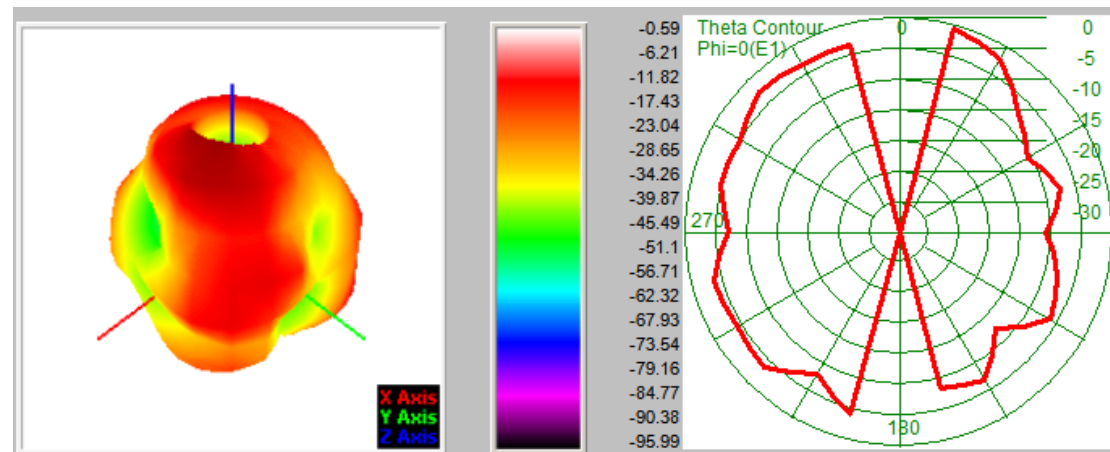
ANT7-5.8GWIFI



ANT7-6GWIFI



ANT7-GPS-L5



10.Introduction to Antenna Information

P11	
Antenna type and frequency band	MAIN ANTENNA(<u>PIFA</u>):2G/3G/4G/5G DIV ANTENNA(<u>PIFA</u>):2G/3G/4G/5G GPS/WIFI/BT ANTENNA(<u>PIFA</u>): L1/L5/WIFI(2.4G/5G/6G)/BT
Antenna materia	FPC