

深圳市八方达通信有限公司

Atlas 2测试报告

工程：毛宇峥

测试日期：2024-07-10

工程电话:13424326585

天线频段设计

射频	网络模式	GSM+W+LTE+BT+WIFI+GPS	
	频段要求	GSM: B2 B3 B5 B8 WCDMA: B2 B5 LTE: B2 B4 B5 B7 B28A B28B B66	
	通讯天线数量	主天线	GSM+W+LTE
		分集天线	分集
		三合一天线	GPS+WIFI+BT

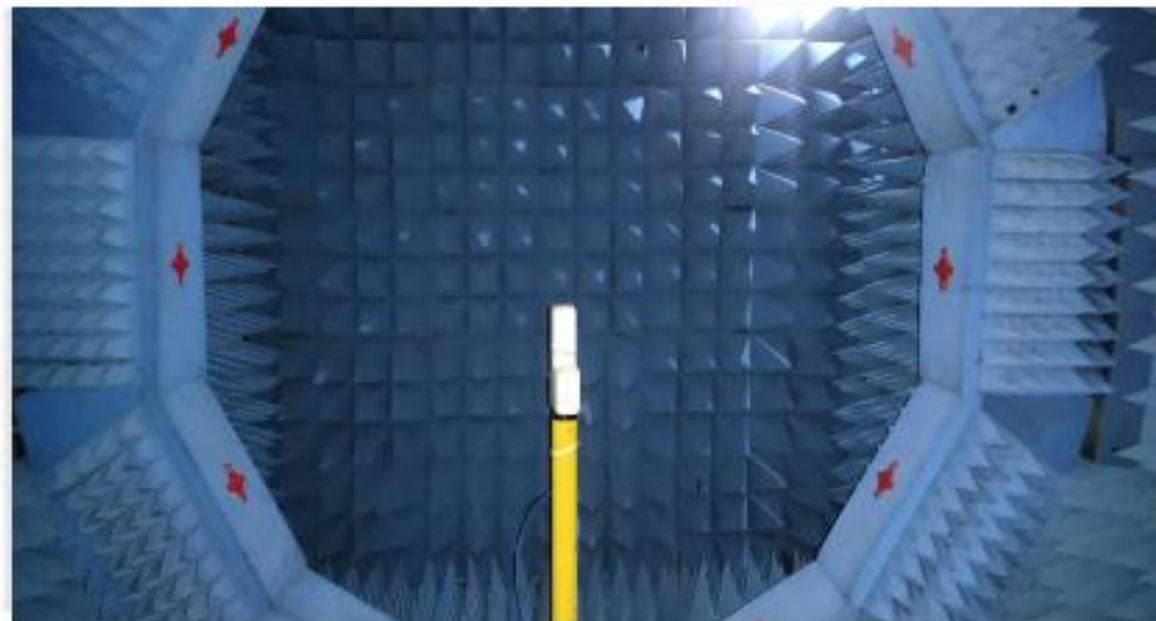
测试简介

测试系统: ETS 3D屏蔽暗室

测试环境: 温度 $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$, 湿度 $50\% \pm 15\%$

测试设备: 测试无源数据时, 使用惠普E5071B 网络分析仪

测试有源数据时, 使用MT8820C/CMW500 4G全功能综测仪

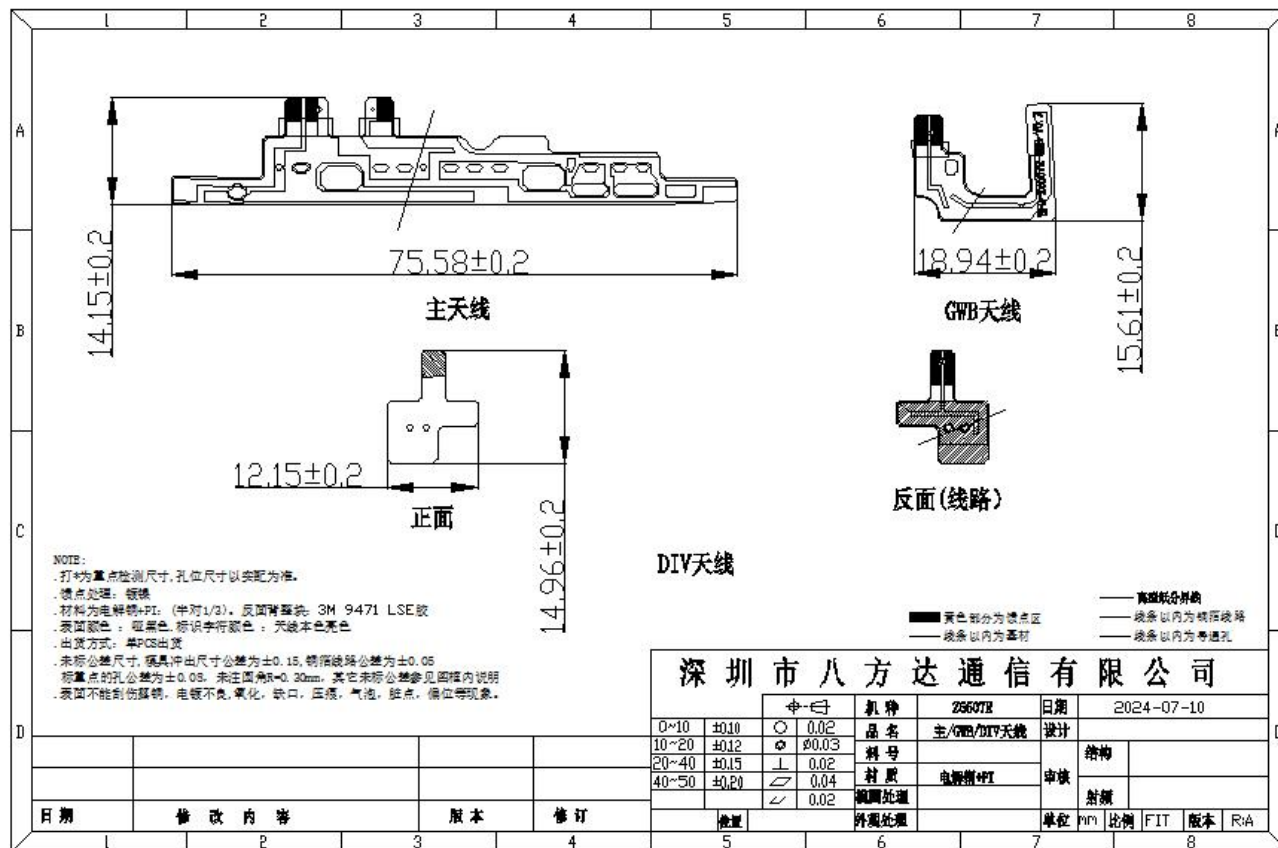


惠普 5071B 8.5GHz 网络分析仪



CMW500全功能综测仪

Antenna size diagram



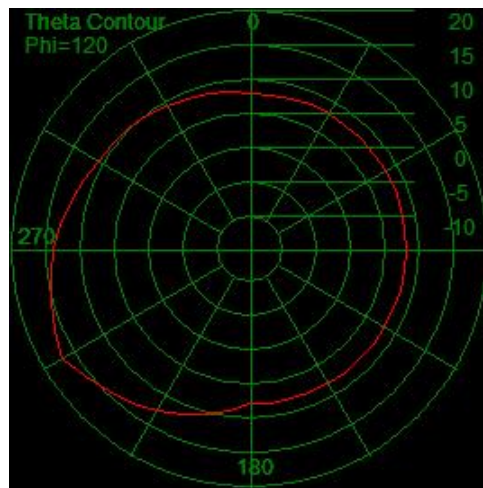
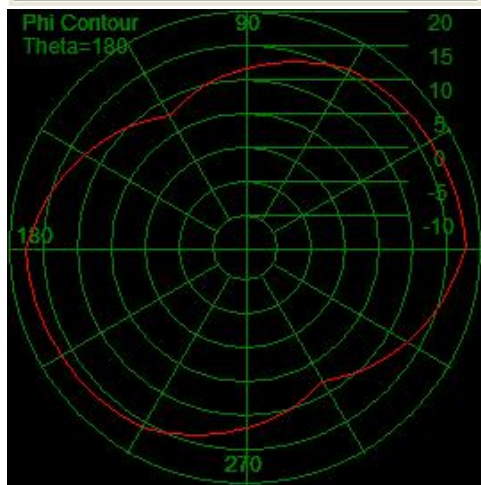
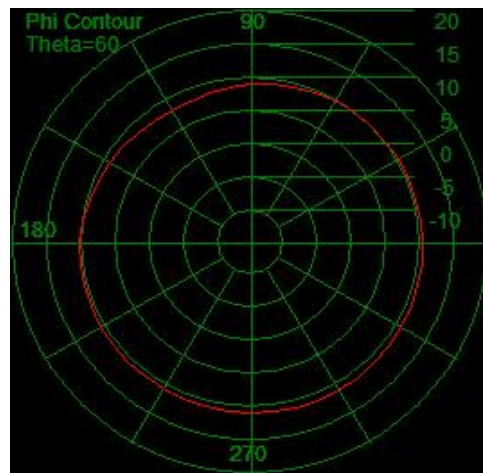
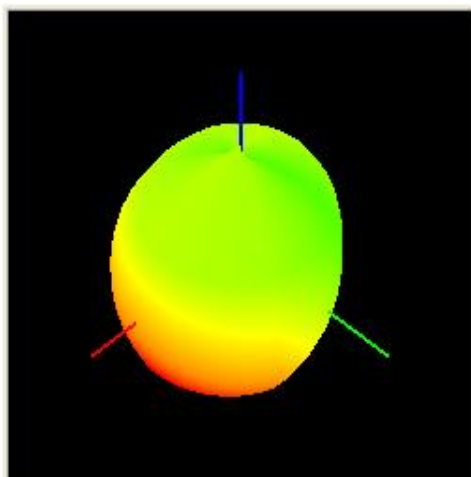
Antenna Gain

2G	Frequency (MHZ)	Gain (MAX)
GSM850	824-894Mhz	-0.36
GSM900	880-960Mhz	-0.41
DCS1800	1710-1880Mhz	-0.32
PCS1900	1850-1990Mhz	-0.35
3G	Frequency (MHZ)	Gain (MAX)
WCDMA-B2	1850-1990Mhz	-0.35
WCDMA-B5	824-894Mhz	-0.35

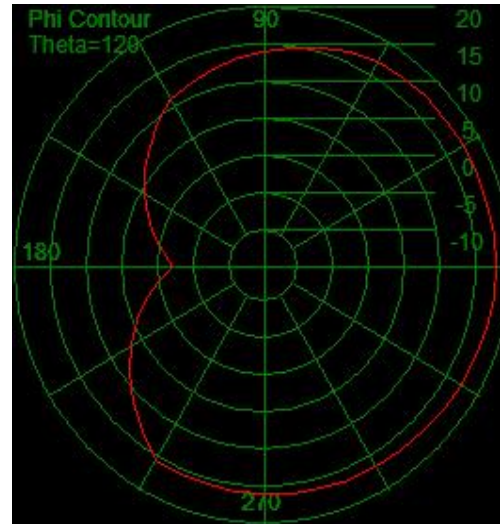
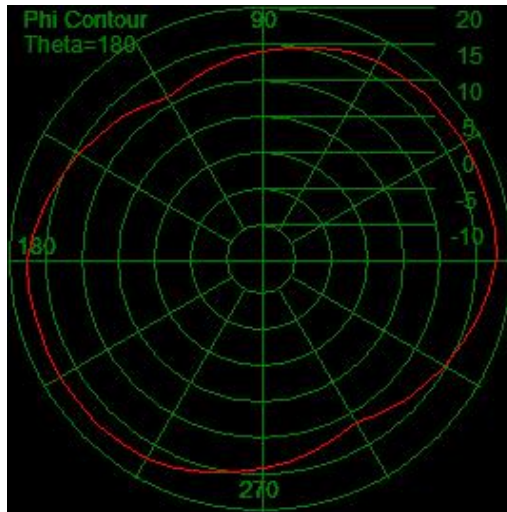
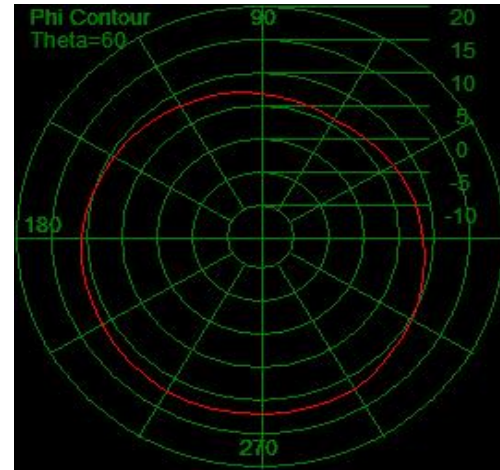
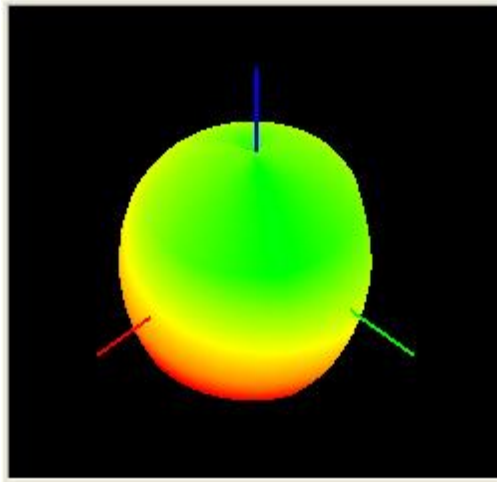
Antenna Gain

4G	Frequency (MHZ)	Gain (MAX)
LTE-B2	1850-1990Mhz	-0.35
LTE-B4	1710-2155Mhz	-0.31
LTE-B5	824-894Mhz	-0.36
LTE-B7	2500-2690Mhz	0.16
LTE-B66	1710-2200Mhz	-0.31
2.4G-WIFI	2400-2500Mhz	-0.35
BT	2400-2500Mhz	-0.35

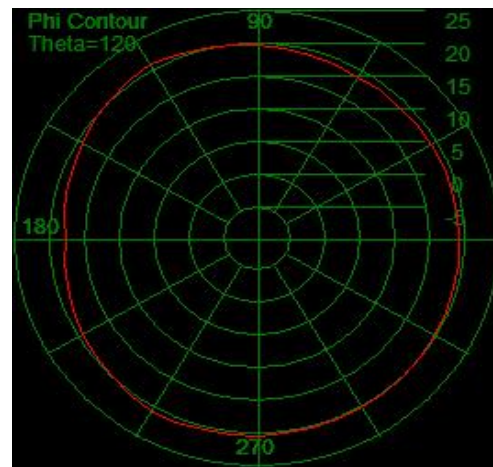
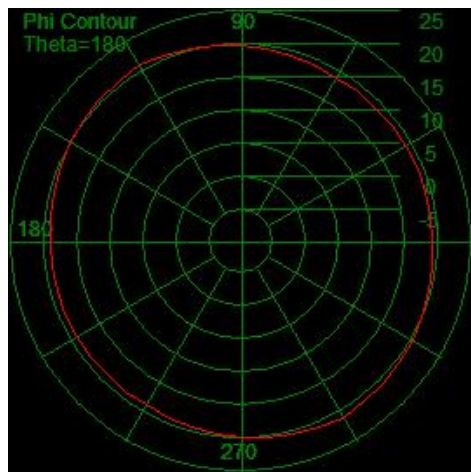
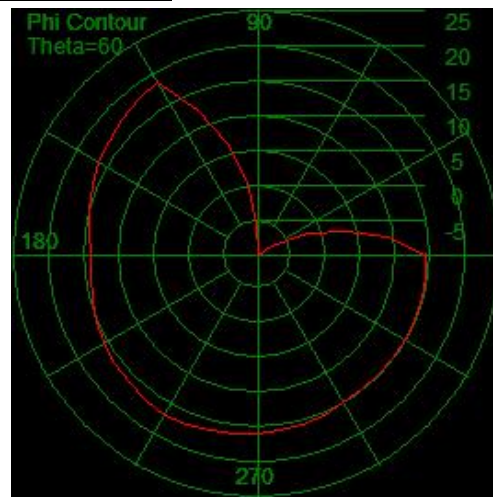
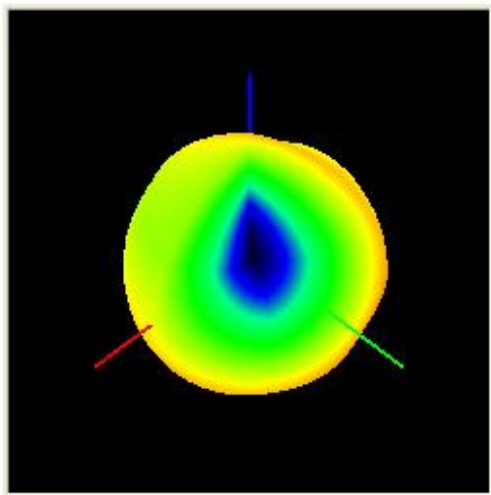
703-803MHz波形图



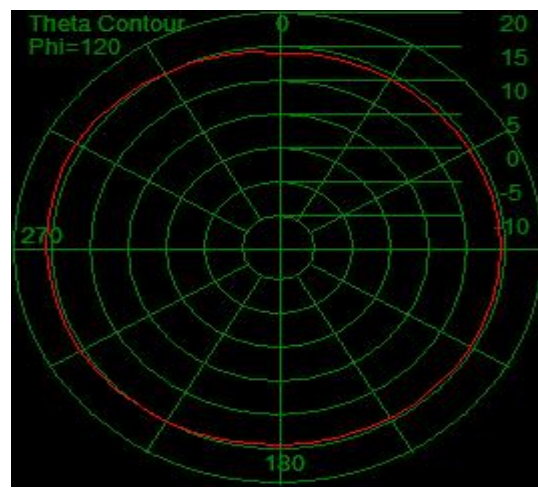
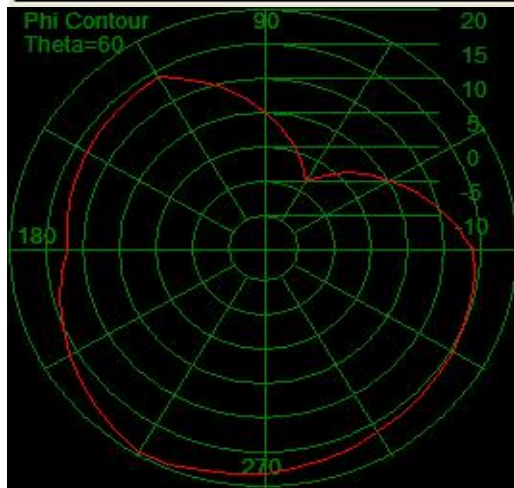
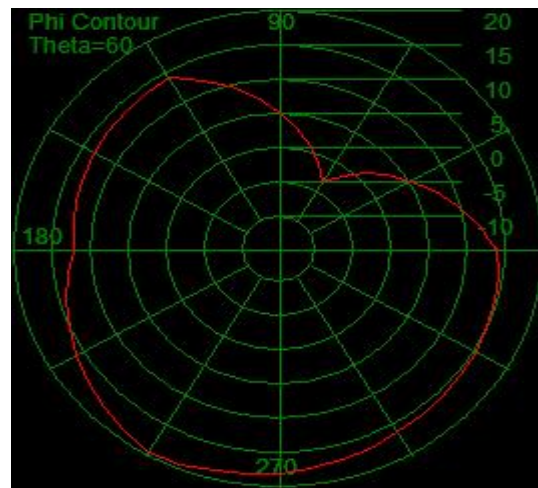
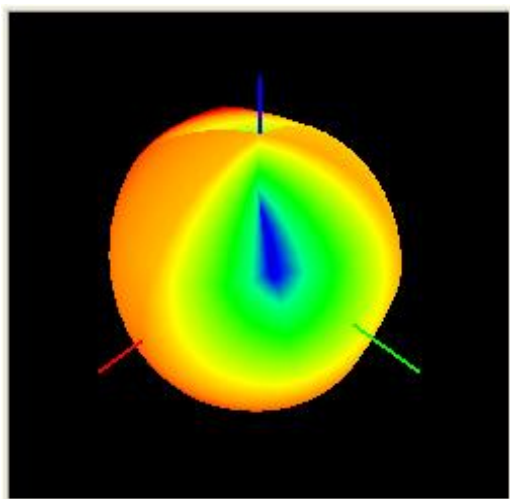
824-894MHz波形图



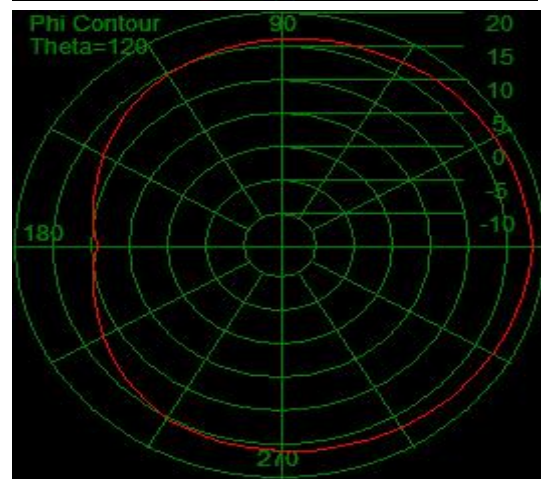
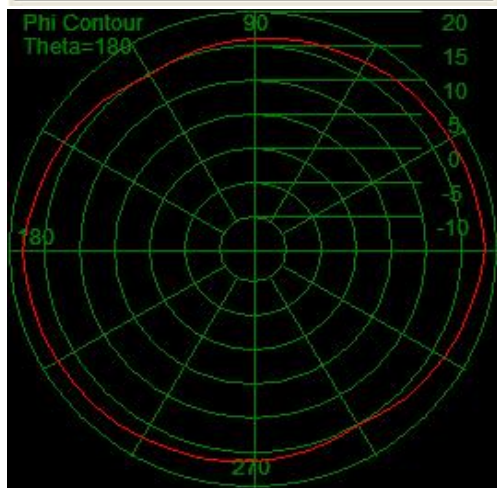
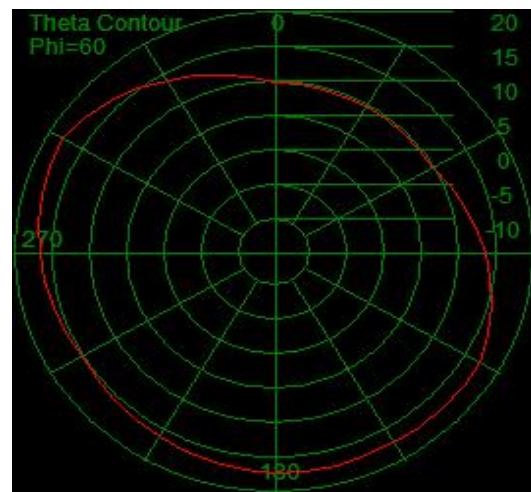
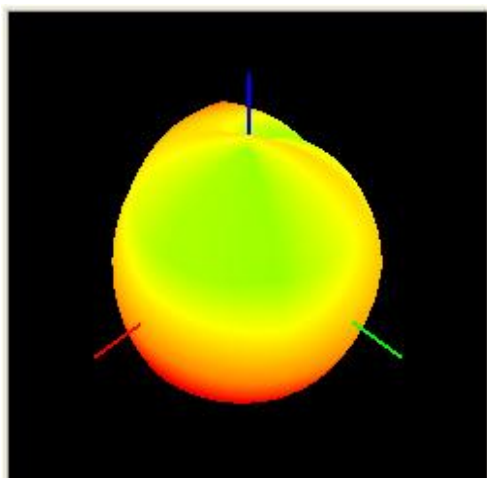
880-960MHz波形图



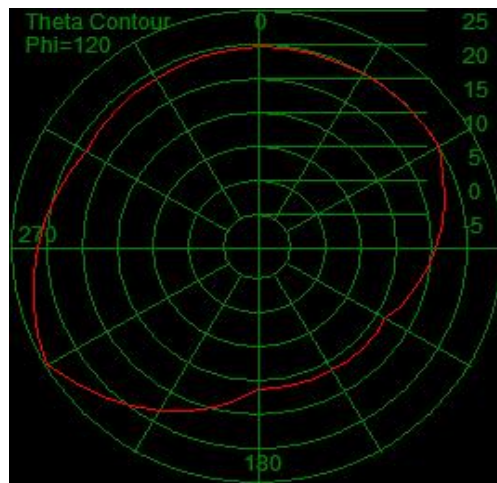
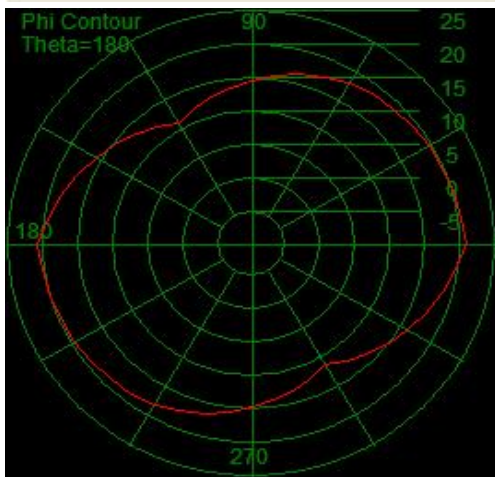
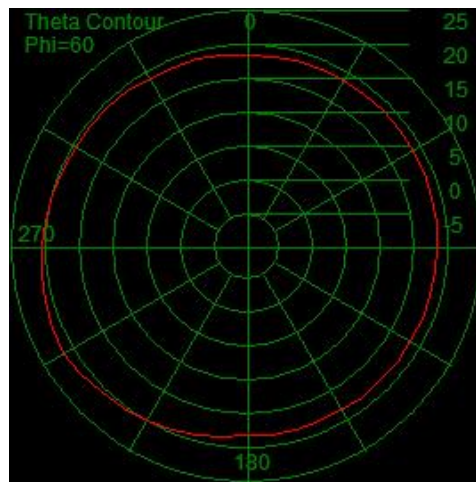
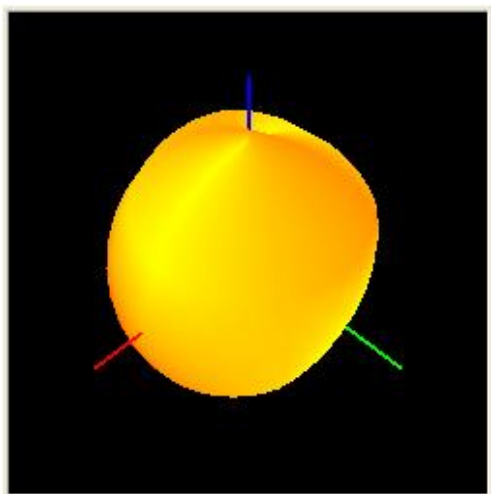
1710-1880MHz波形图



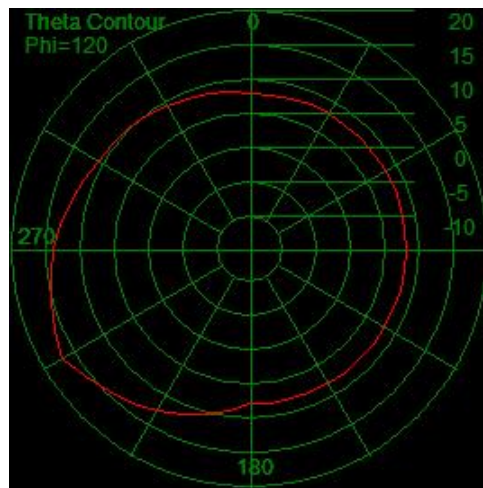
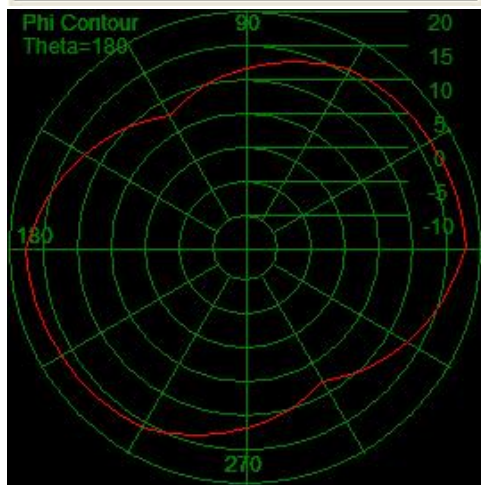
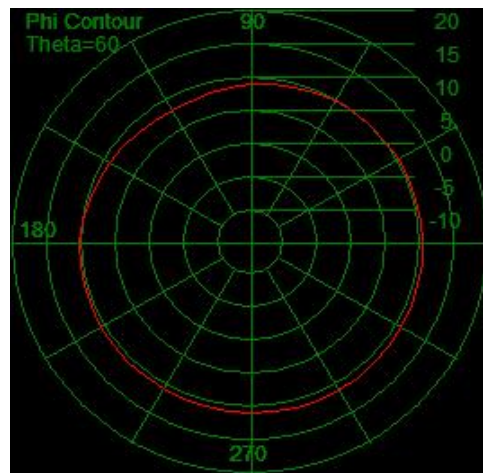
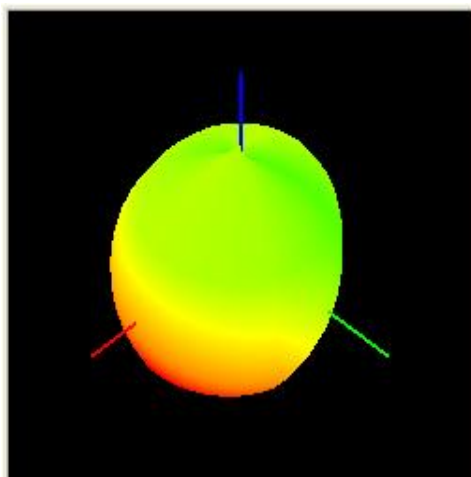
1880-1990MHz波形图



1920-2170MHz波形图



2500-2690MHz波形图



2. 4G-WIFI/BT 2400-2500MHz波形图

