

天线测试报告
Antenna test report

报告版本 Report version	报告时间 report time	备注 remark
V0.1	2023-8-23 Aug 23, 2023	天线测试报告 Antenna test report

天线有源参数
Antenna active parameter

Test	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
TRP (dBm)	17.82	17.34	16.79	25.23	24.61	24.25
TIS (dBm)			-92.24			-101.37

主天线有源参数

Active parameters of the main antenna

Test	FDD B2			FDD B4		
Channel	18700	18900	19100	20050	20175	20350
TRP (dBm)	16. 58	16. 37	16. 12	16. 18	16. 20	16. 43
TIS (dBm)			-91. 30			-91. 15

Test	FDD B7			FDD B12		
Channel	20800	21100	21400	23035	23095	23155
TRP (dBm)	16. 22	15. 34	15. 12	4. 63	5. 41	6. 19
TIS (dBm)			-59. 16			-81. 37

Test	FDD B17					
Channel	23780	23790	23800			
TRP (dBm)	4. 73	5. 40	5. 68			
TIS (dBm)			-81. 04			

主天线无源效率

Passive parameters of the primary antenna

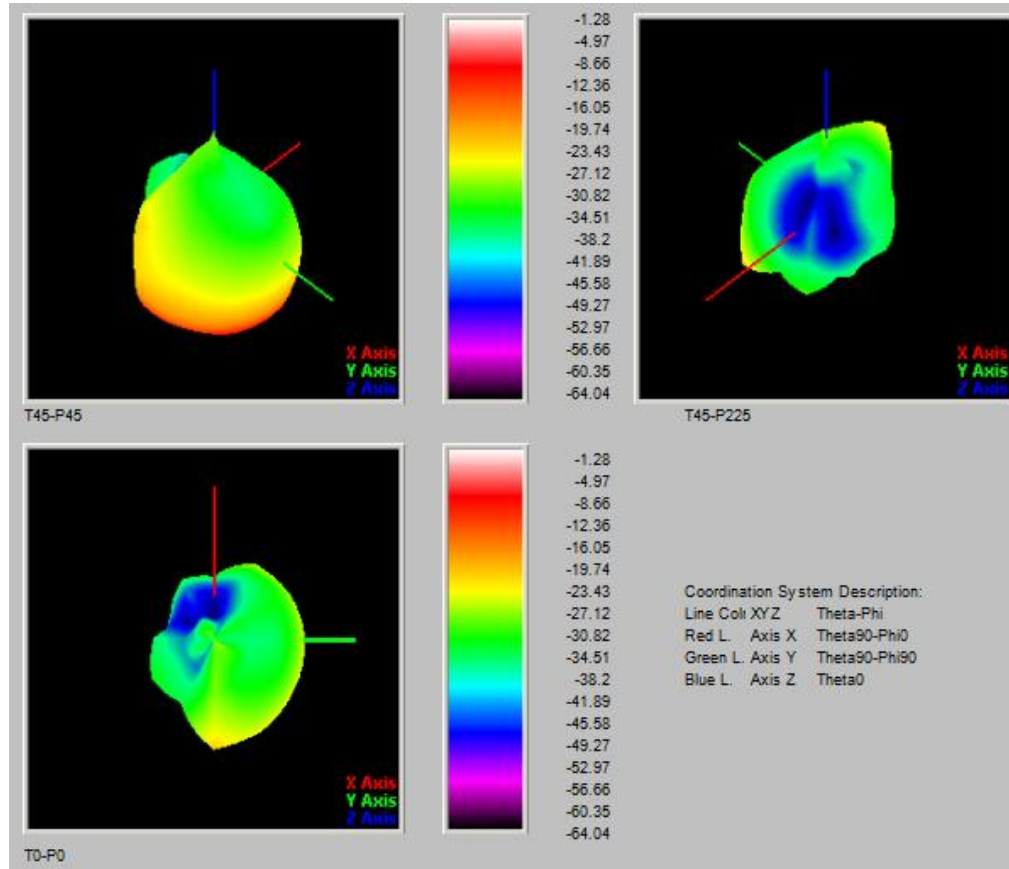
Freq (MHz)	Effi (%)	Freq (MHz)	Effi (%)	Freq (MHz)	Effi (%)
700	3.2	1700	28.7	2250	29.8
720	3.8	1750	29.2	2300	30.4
760	4.1	1800	30.2	2350	31.2
800	4.7	1850	31.5	2400	32.3
840	5.2	1900	32.8	2450	33.1
880	4.5	1950	33.4	2500	34.5
		2000	32.6	2550	33.2
		2050	34.2	2600	32.9
		2100	32.5	2650	30.1
		2150	31.2		
		2200	31.4		

WIFI/BT无源效率
WIFI/BT Passive efficiency

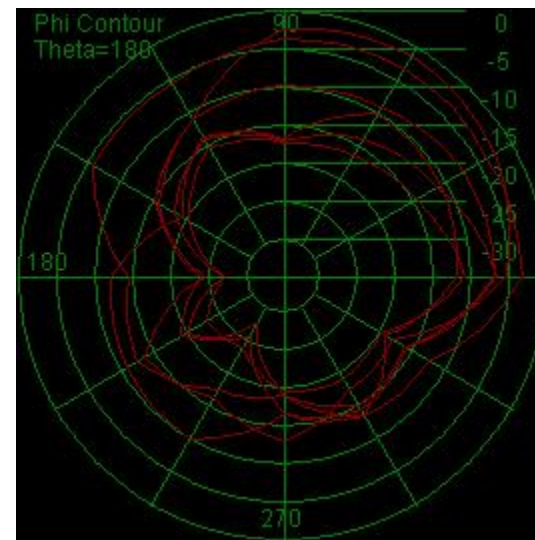
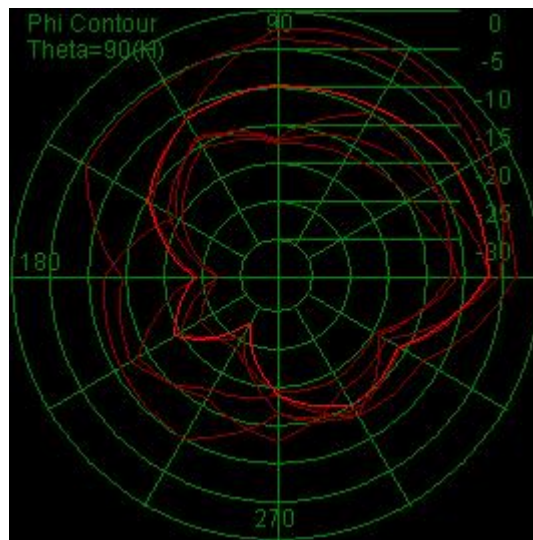
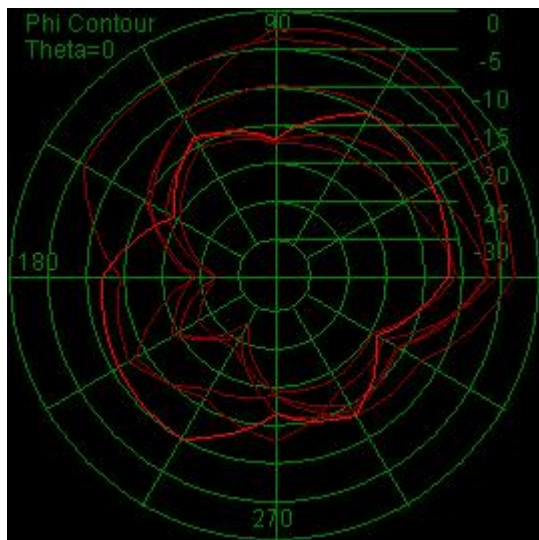
Freq (MHz)	Effi (%)
2400	31.2
2420	32.6
2440	34.2
2450	35.3
2460	33.8
2480	32.5
2500	30.7

天线无源方向图——700MHz

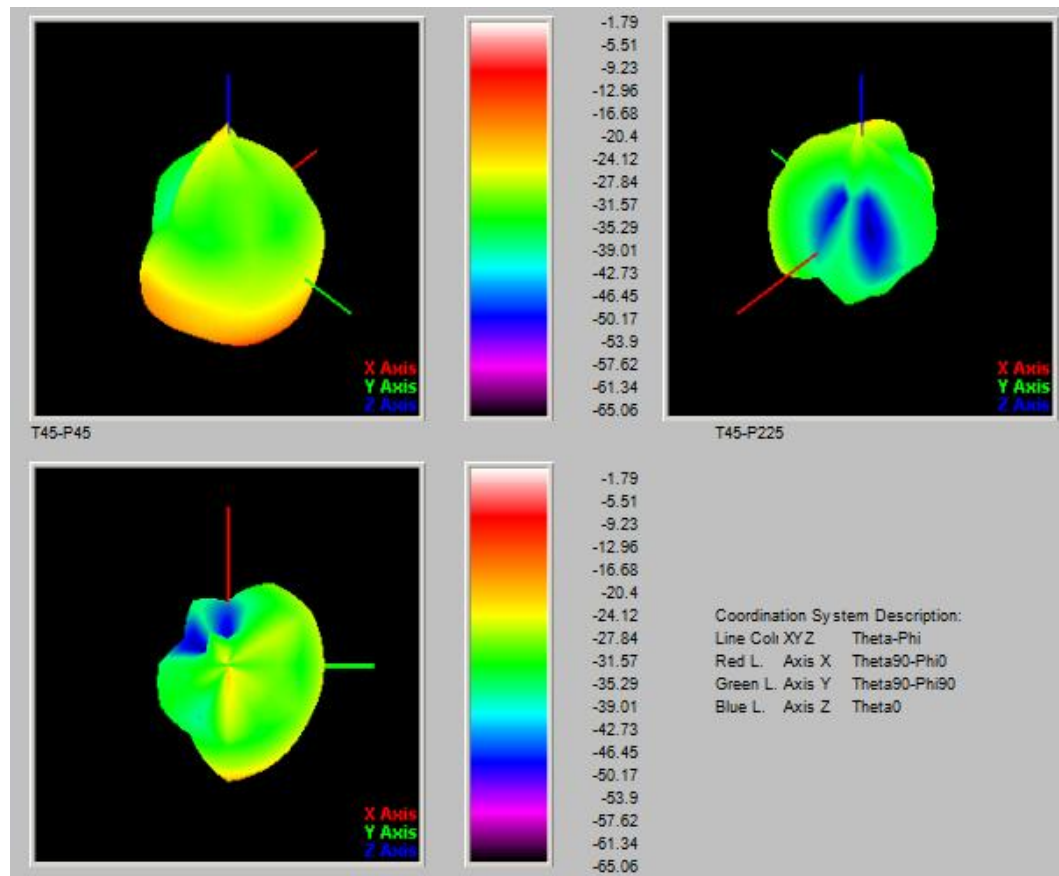
Antenna passive direction diagram——700MHz



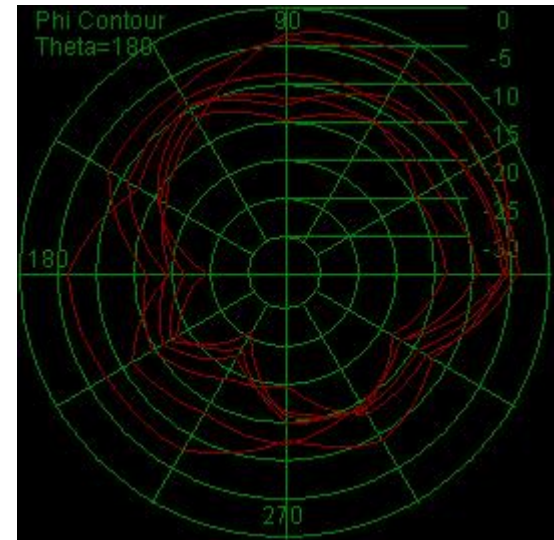
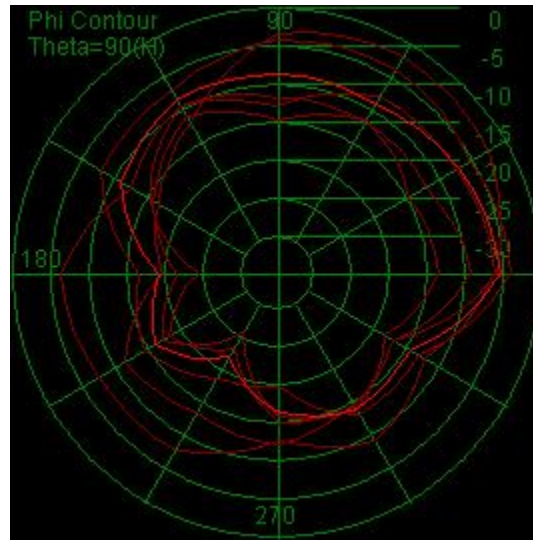
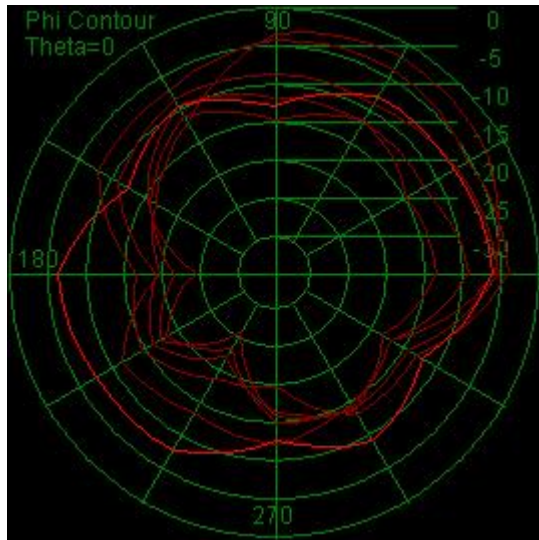
天线无源平面图——700MHz
Passive antenna plan——700MHz



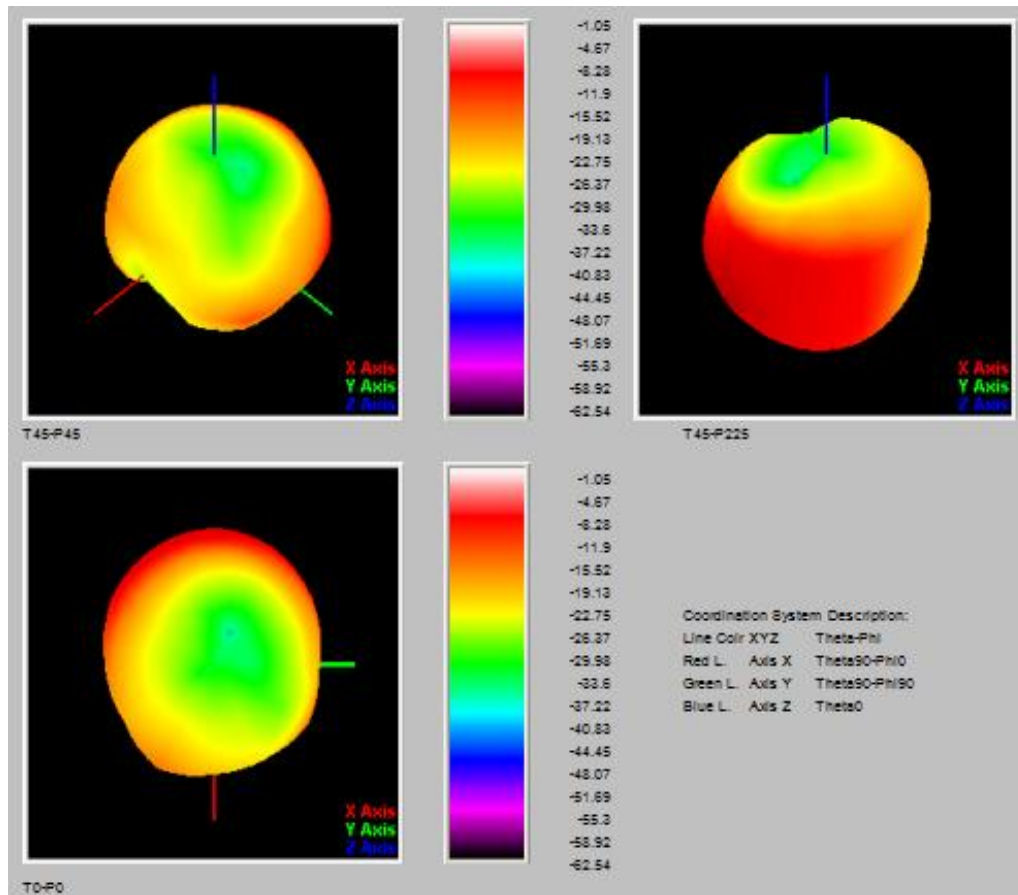
天线无源方向图——800MHz Antenna passive direction diagram——800MHz



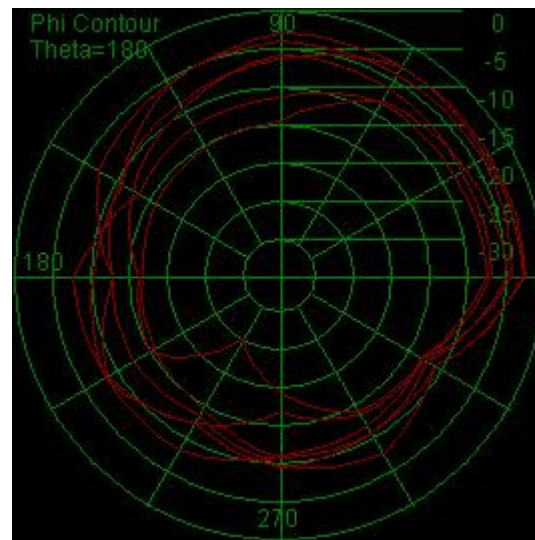
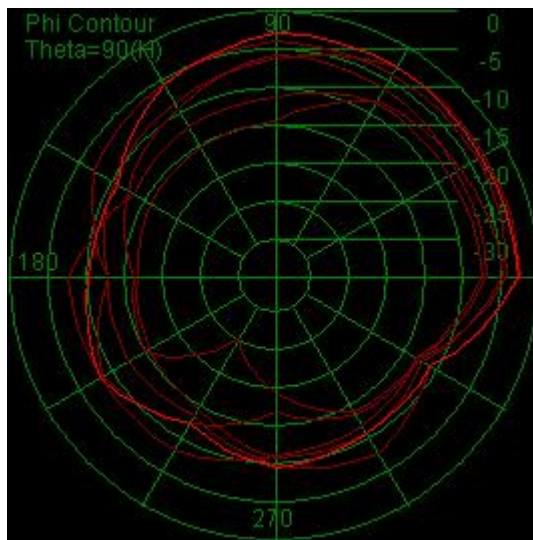
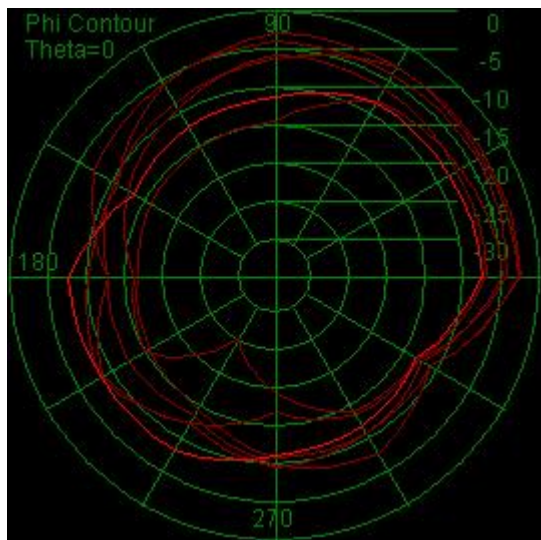
天线无源平面图——800MHz
Passive antenna plan——800MHz



天线无源方向图——1700MHz Antenna passive direction diagram——1700MHz

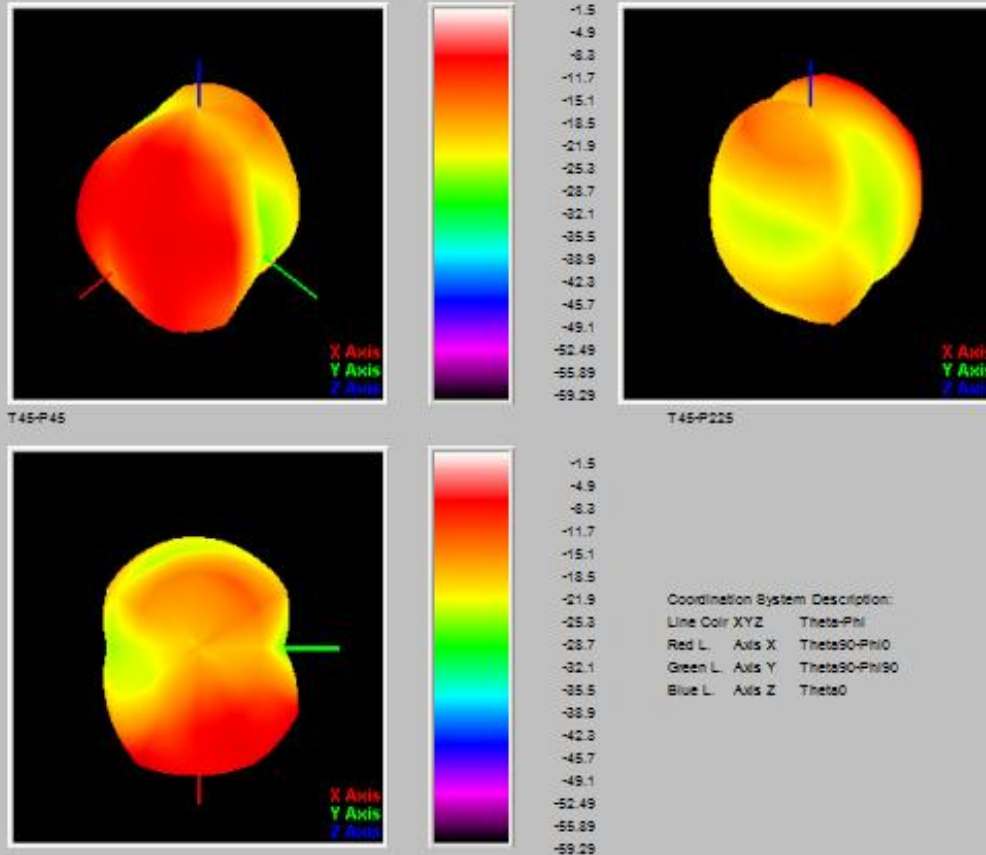


天线无源平面图——1700MHz
Passive antenna plan——1700MHz

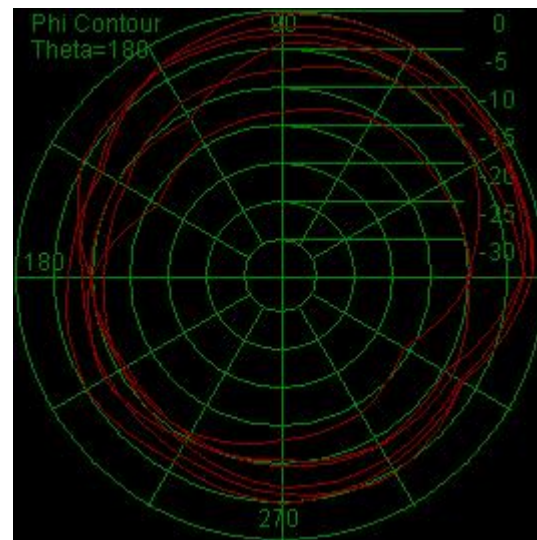
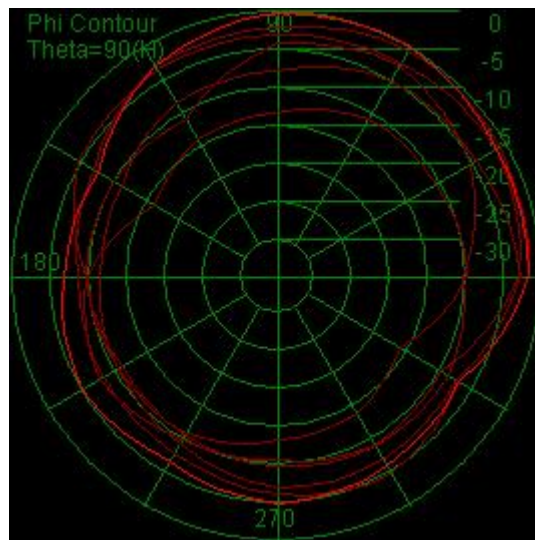
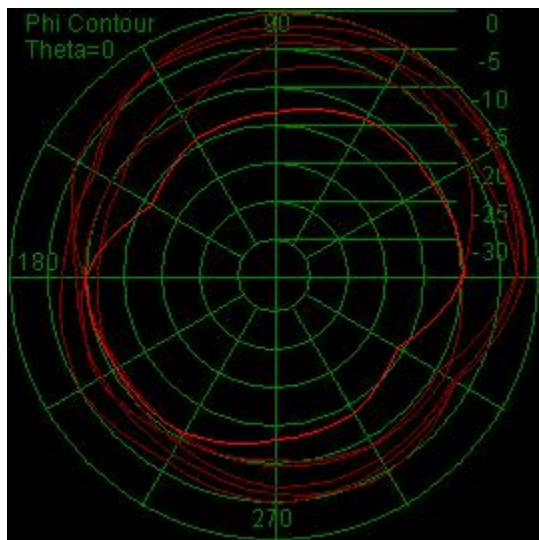


天线无源方向图——1900MHz

Antenna passive direction diagram——1900MHz

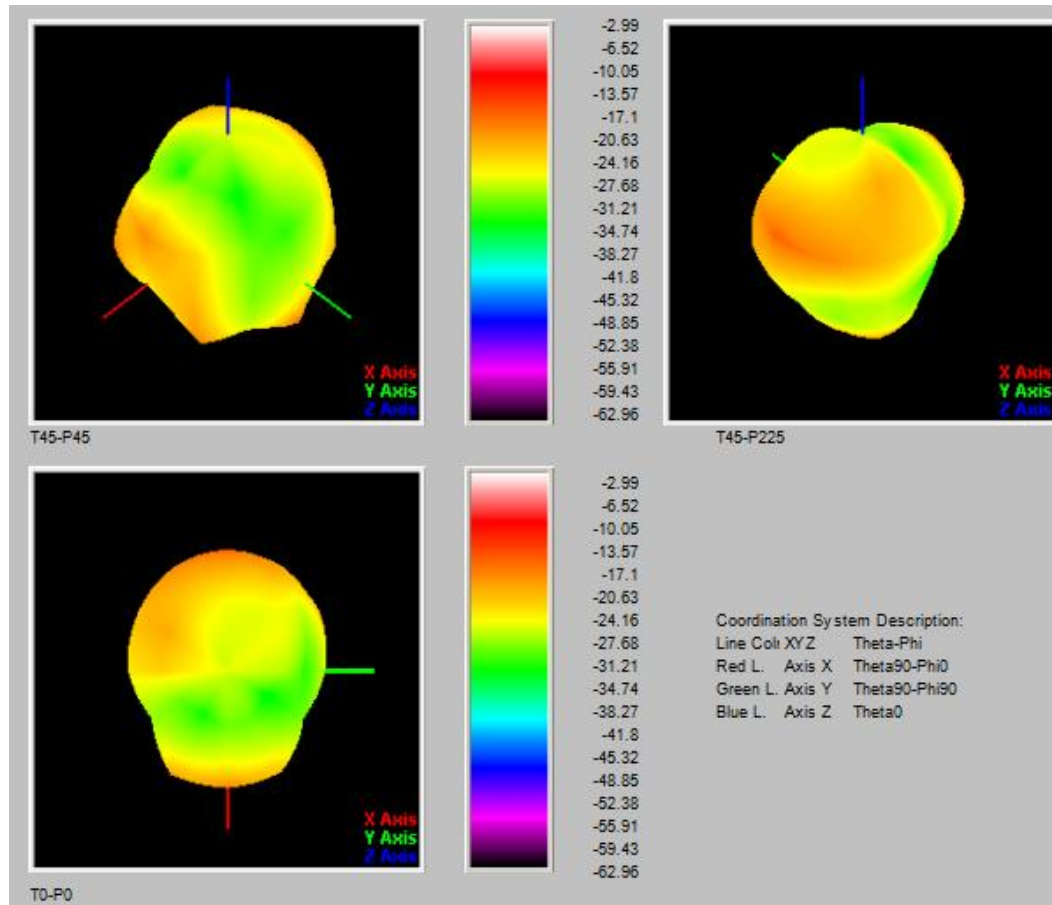


天线无源平面图——1900MHz
Passive antenna plan——1900MHz

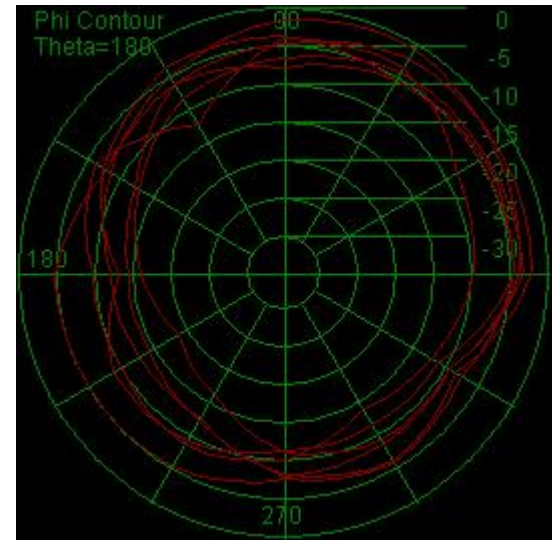
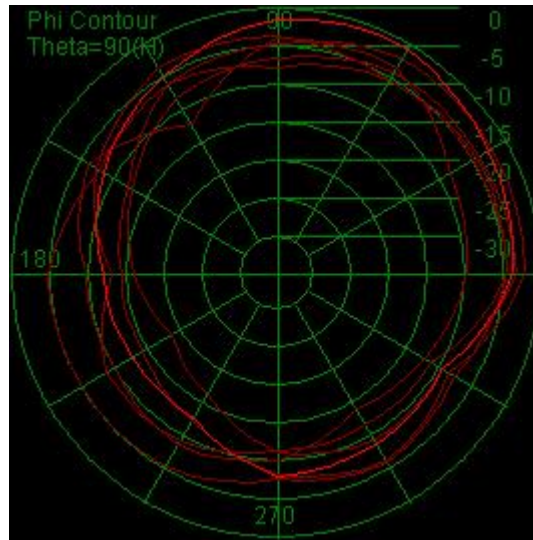
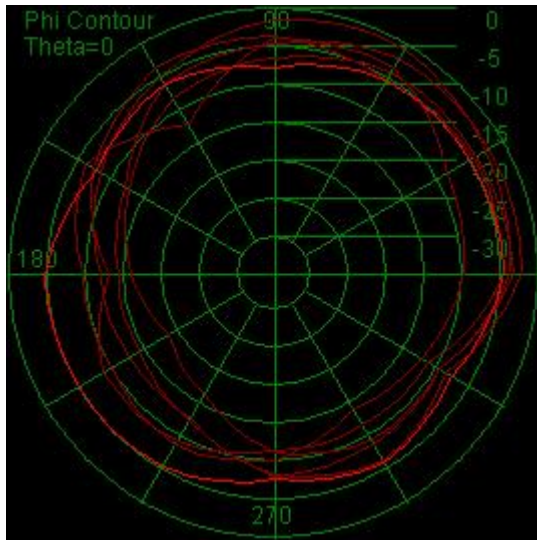


天线无源方向图——2650MHz

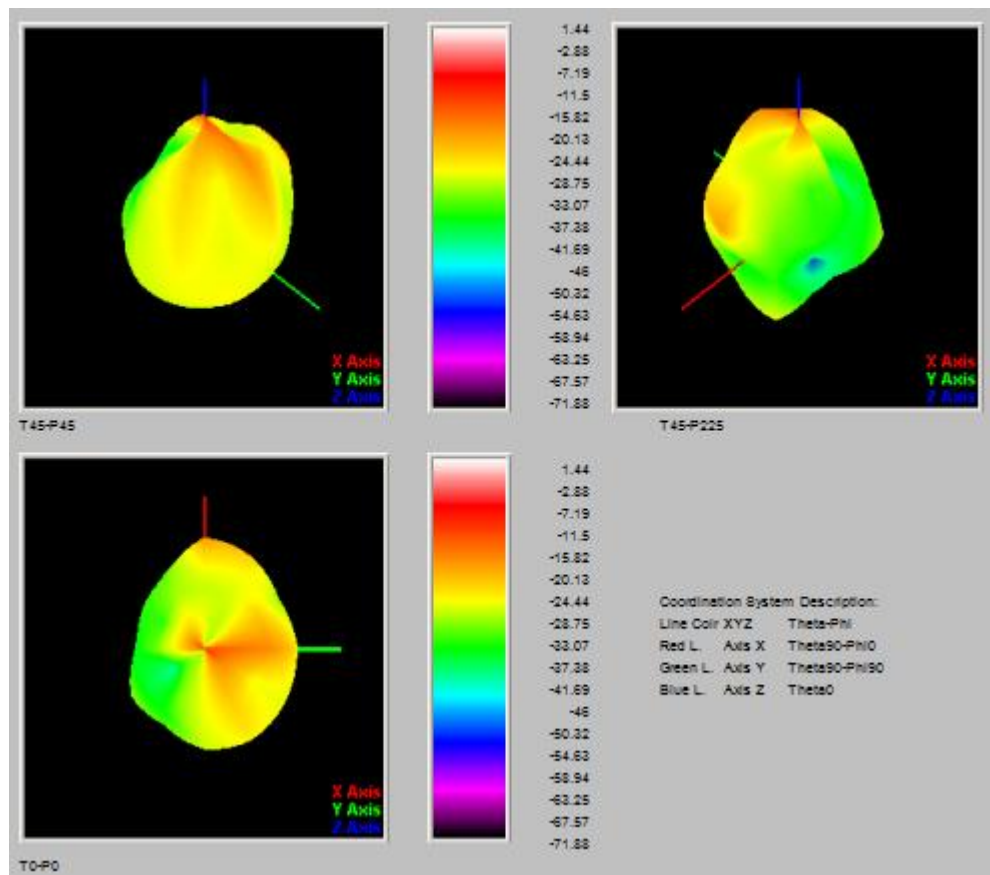
Antenna passive direction diagram——2650MHz



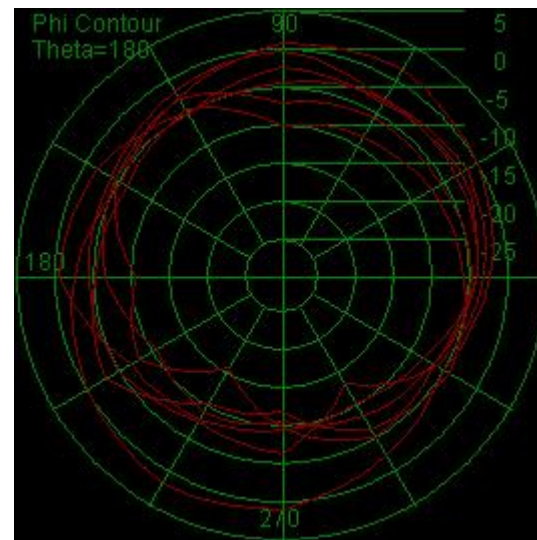
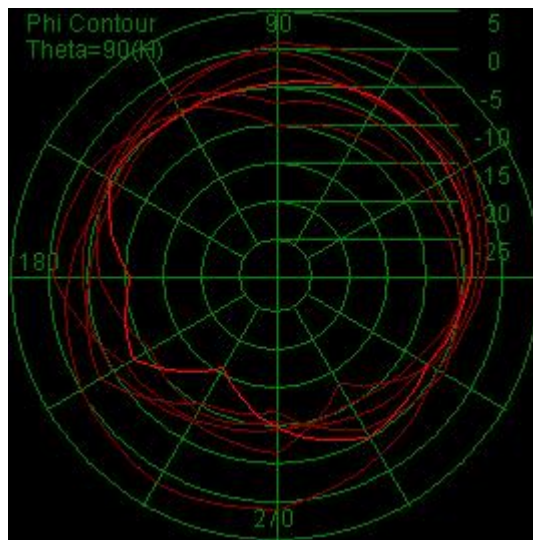
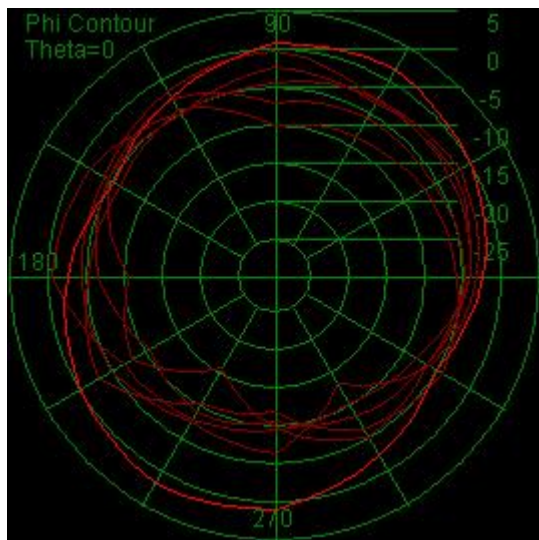
天线无源平面图——2650MHz
Passive antenna plan——2650MHz



天线无源方向图——2400MHz Antenna passive direction diagram——2400MHz



天线无源平面图——2400MHz
Passive antenna plan——2400MHz



天线增益
Antenna gain

Band	Gain (MAX)
850	0.16
1900	0.50
B2	0.51
B4	0.48
B5	0.50
B7	0.53
B12	0.12
B17	0.11
WiFi/BT	0.46