深圳麒鑫通达科技有限公司

Shenzhen Qixin Tongda Technology Co., Ltd

天线测试数据报告

Antenna test data report

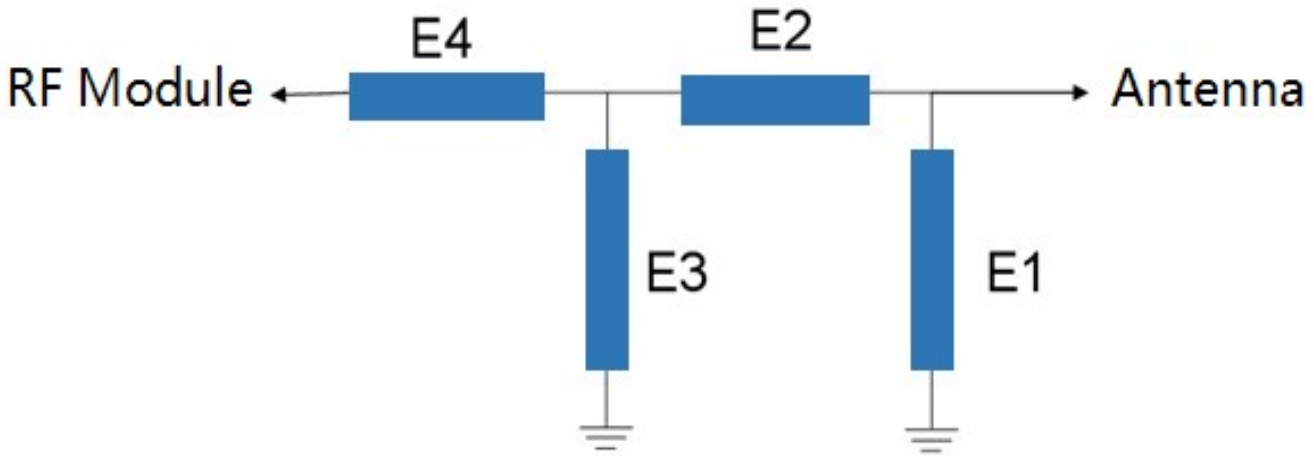
测试项目与设备Test items and equipment

	测试项目Test items	设备equipment
1. S参数 parameter	1. 回损Return Loss(RL) 2. 驻波比standing-wave ratio(VSWR)	网络分析仪network analyzer: Agilent 5071B
2. 耦合功率测试 Coupling power test	1. 发射功率Transmission power（power） 2. 接收灵敏度receiver sensitivity(level)	综测仪Integrated measuring instrument：CMW500/8960 暗　室darkroom：6*4*3anechoic chamber

调试版本记录Debugging version record

version	date	Debugging Overview
	2025-3-30	Replace the motherboard antenna and modify the test data
	2025-04-11	Mold antenna test data
	2025-05-27	Increase Efficiency Apple Chart

天线匹配antenna matching



Element	Value
E1	Not changed
E2	Not changed
E3	Not changed
E3	Not changed

天线辐射测试数据（有源）Antenna radiation test data (active)

Mobile phone model		Remark	2GNetwork (mold antenna test data)**Character: H1006G**					
Test project		GSM900			DCS1800			
Channel		1	62	119	512	698	885	
TRP(dBm)		27.8	27.81	28.99	21.21	21.85	23.15	
TIS(dBm)				-102.2			-100.79	
Test project		GSM850			PCS1900			
Channel		128	190	251	513	661	810	
TRP(dBm)		28.31	28.66	28.41	25.5	26.16	26.61	
TIS(dBm)				-103.94			-103.49	

FM

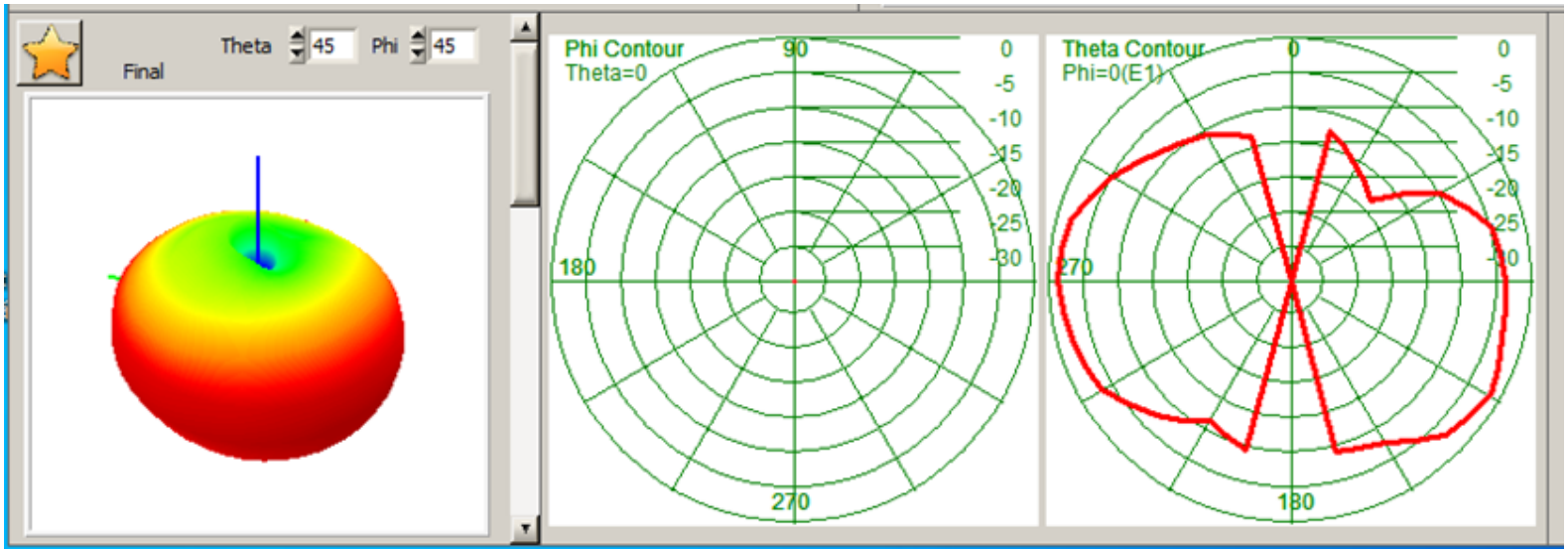
FM Tested environment	Total number of search channels	Number of channels with clear playback quality
In the office	8	3
Office window sill	20	14

效率efficiency

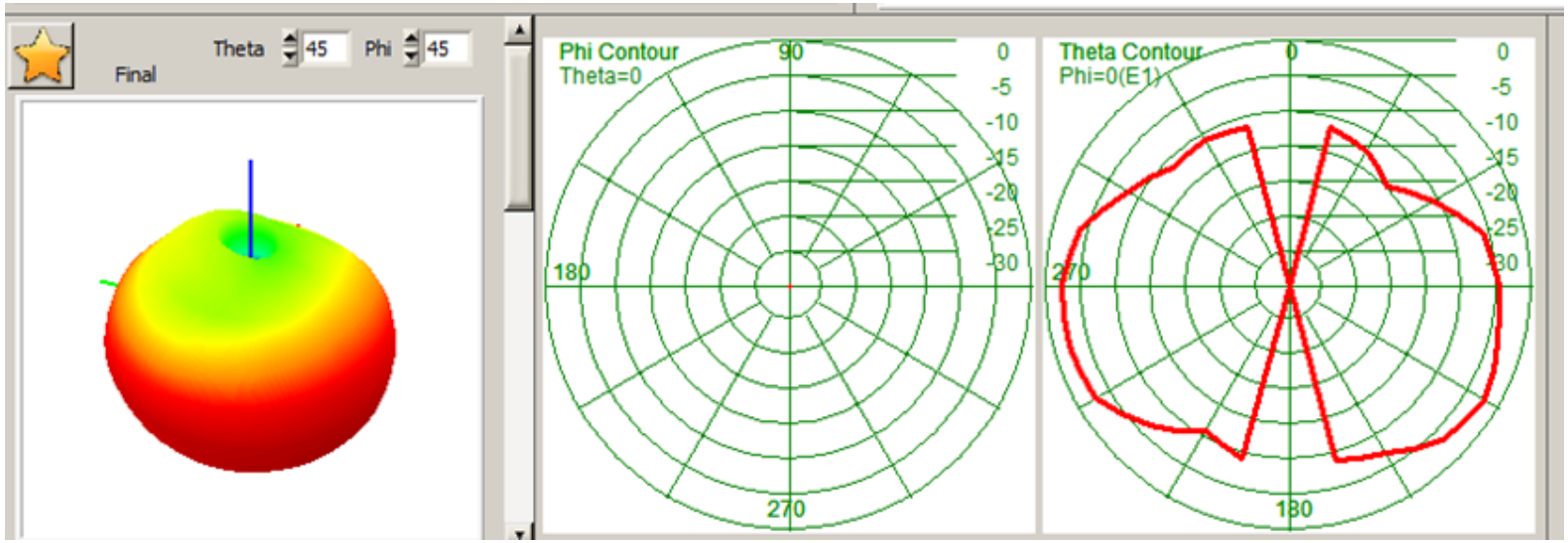
Band	Max Gain(dBi)	EFFUCENCY （%）
GSM850	-1.31	34.3%
GSM900	-2.11	33.1%
DCS1800	-3.52	26.6%
PCS1900	-2.51	31.6%
BT	-1.51	25.4%

苹果图-方向图Apple Diagram - Directional Diagram

GSM850

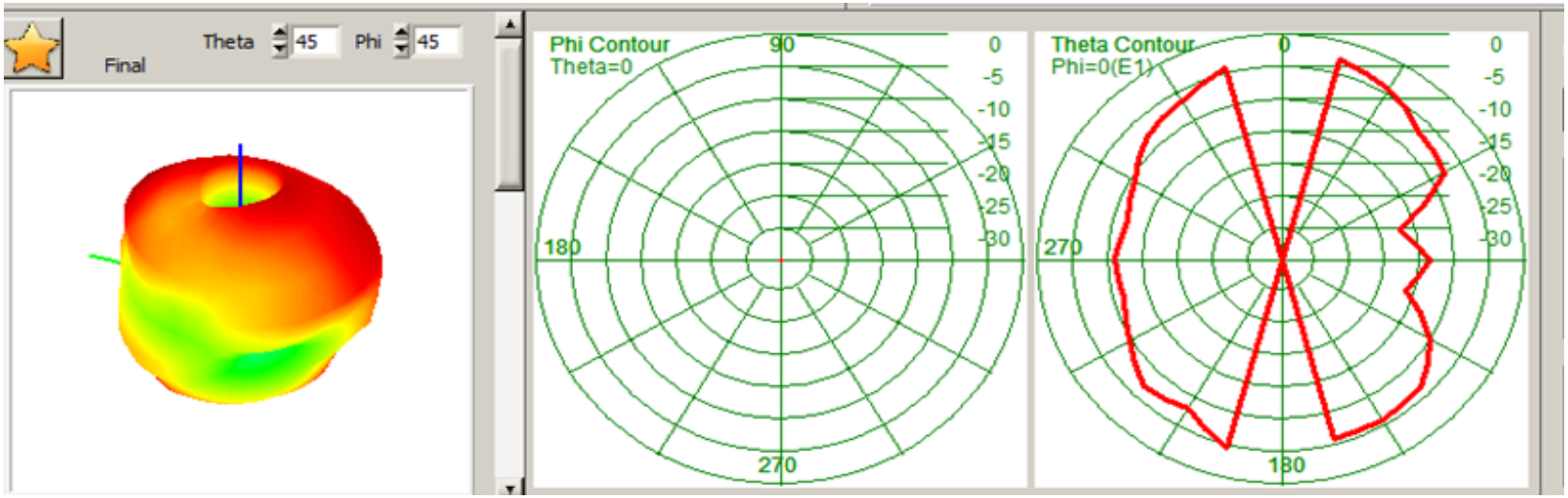


GSM900

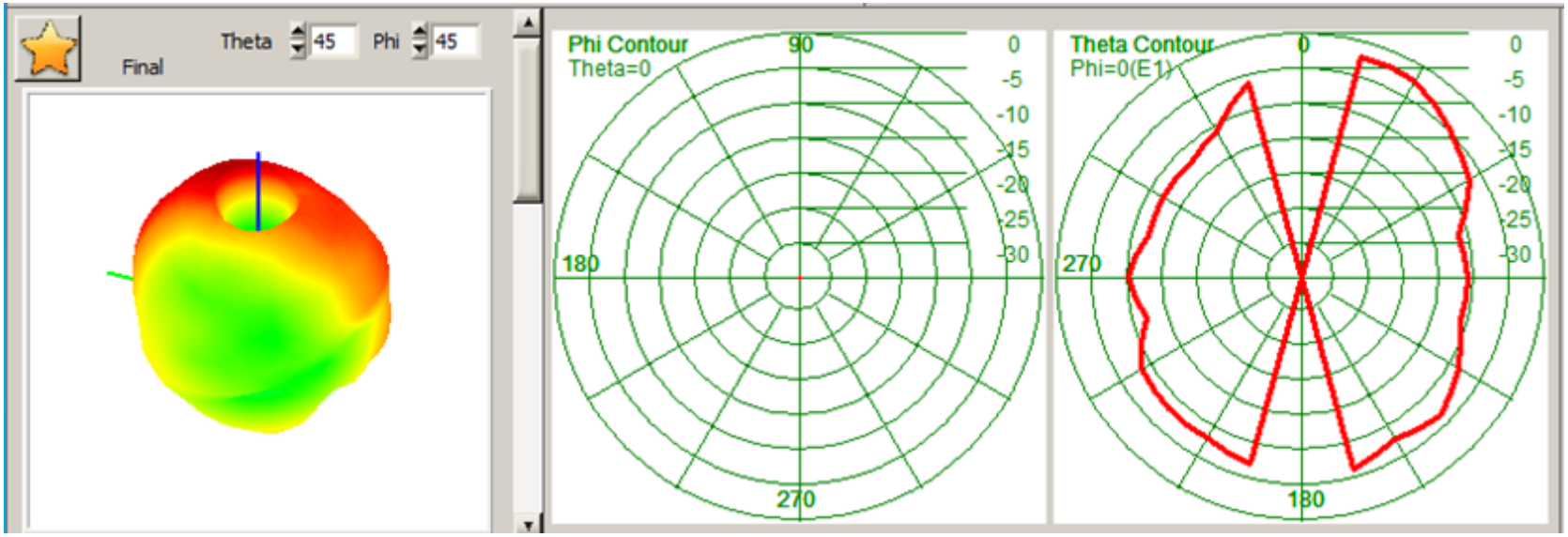


苹果图-方向图Apple Diagram - Directional Diagram

DCS1800

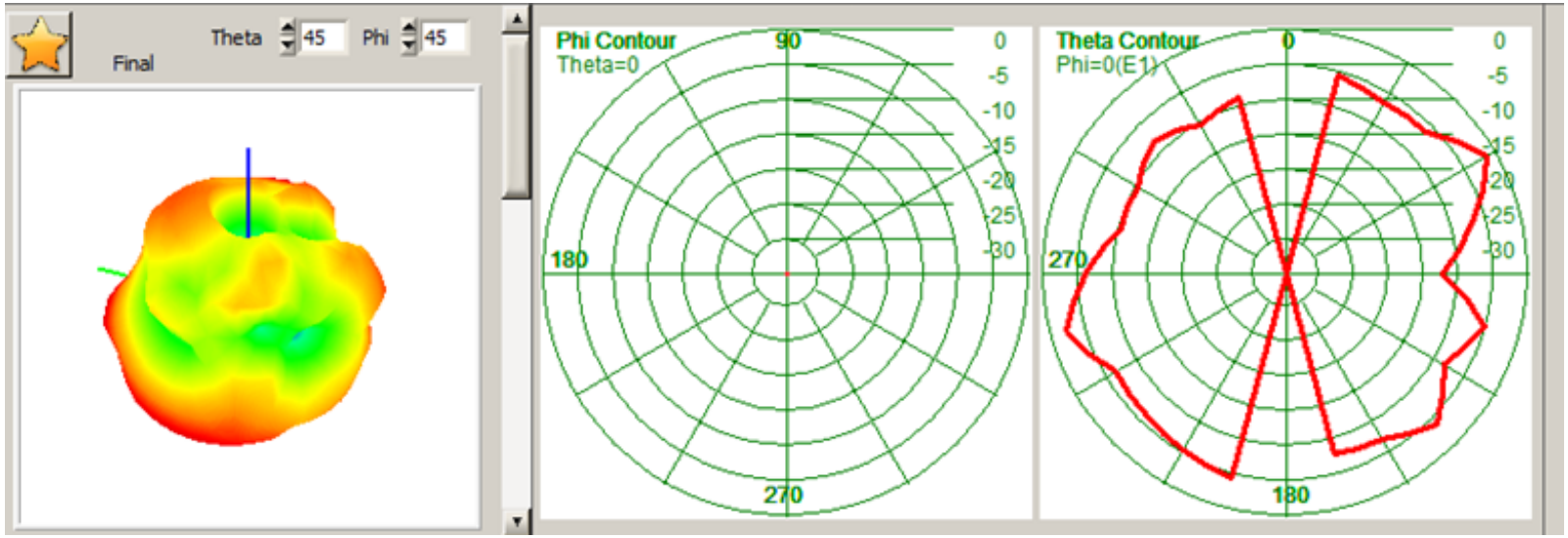


PCS1900



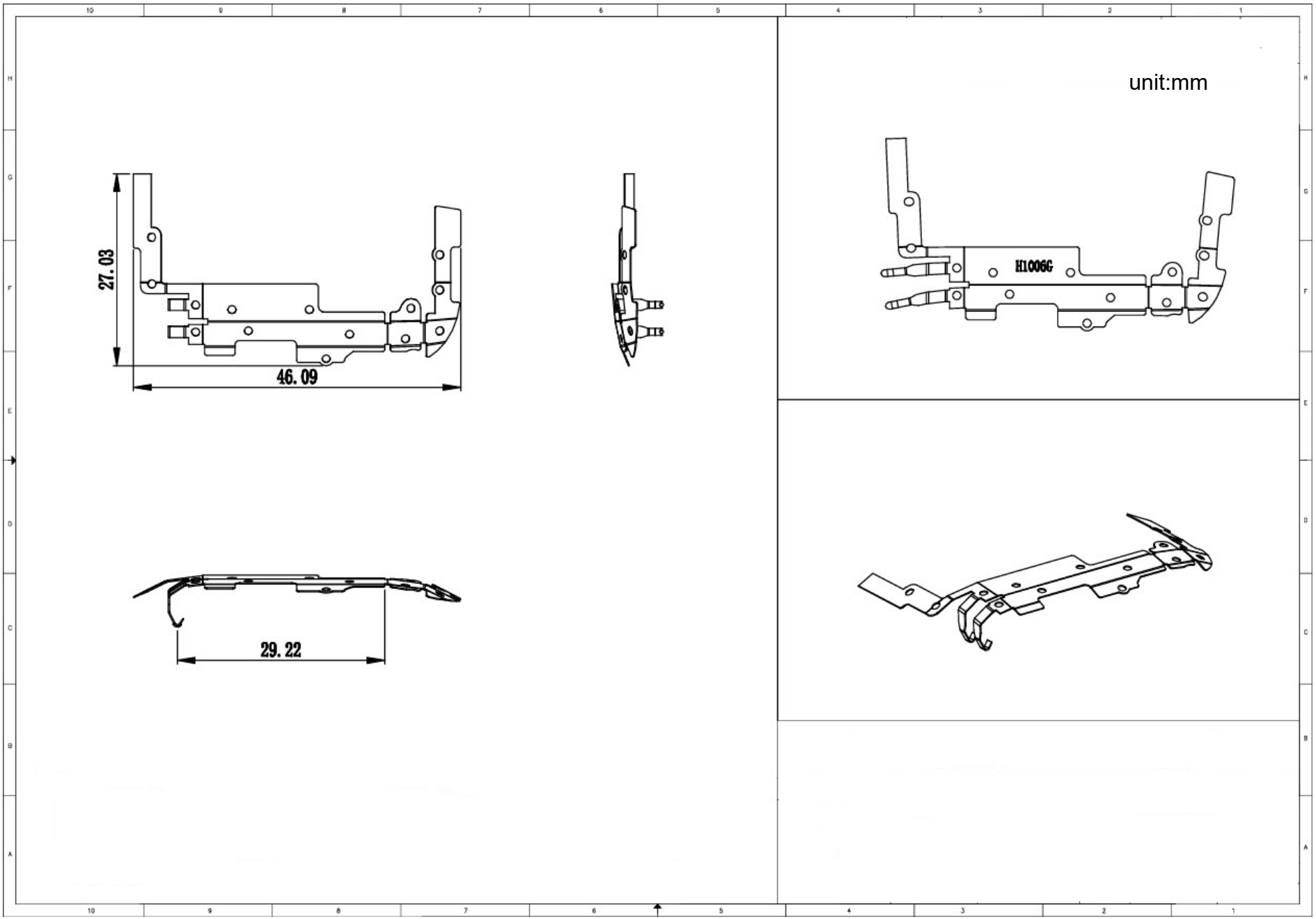
苹果图-方向图Apple Diagram - Directional Diagram

BT



天线图纸Antenna drawing

GSM ANT



天线图纸Antenna drawing

BT ANT