



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

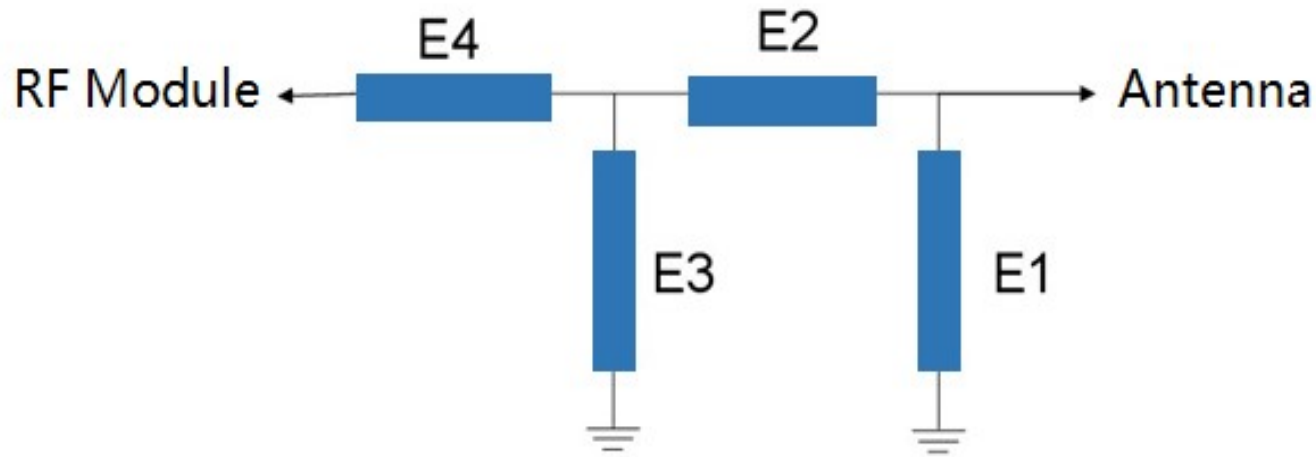
	测试项目 Test items	设备 equipment
1. S参数 parameter	1. 回损 Return Loss (RL) 2. 驻波比 standing-wave ratio (VSWR)	网络分析仪 network analyzer: Agilent 5071B
2. 耦合功率测试 Coupling power test	1. 发射功率 Transmission power (power) 2. 接收灵敏度 receiver sensitivity (level)	综测仪 Integrated measuring instrument: CMW500/8960 暗室 darkroom: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



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)



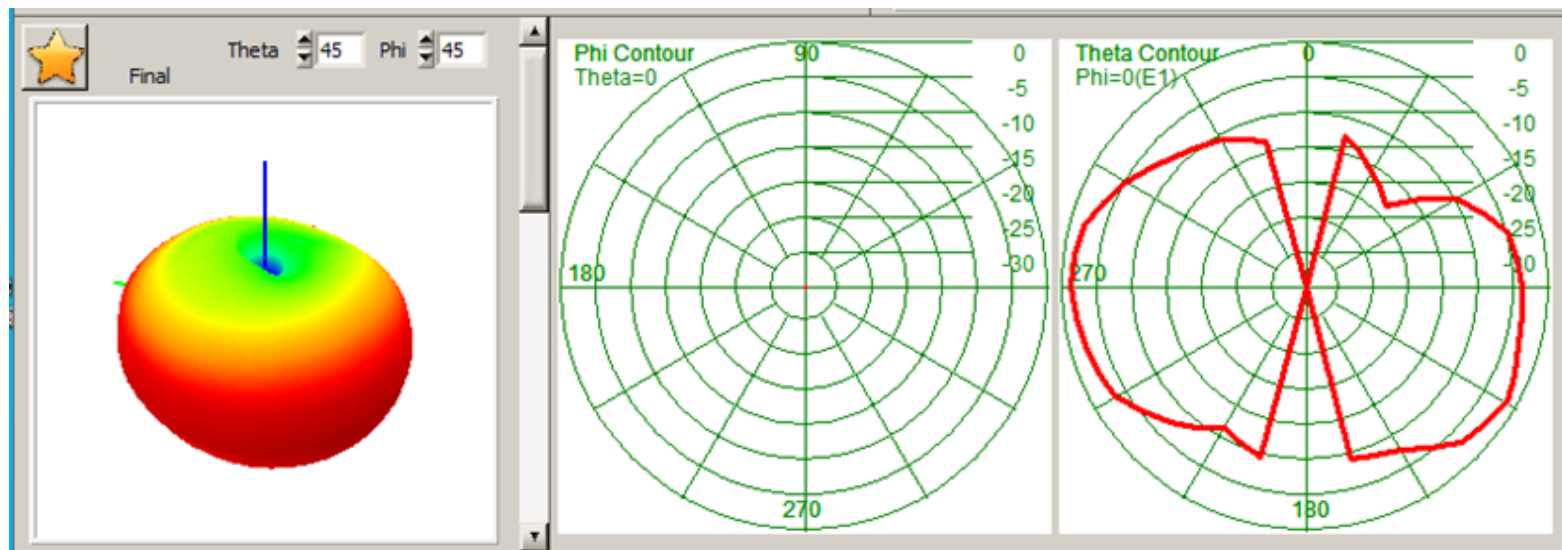
Mobile phone model		Remark	2GNetwork (mold antenna test data) Character: H1006G			
Test project	GSM900			DCS1800		
Channel	1	62	119	512	698	885
TRP(dBm)	27.8	27.81	28.99	21.21	21.85	23.15
TIS(dBm)			-102.2			-100.79
Test project	GSM850			PCS1900		
Channel	128	190	251	513	661	810
TRP(dBm)	28.31	28.66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



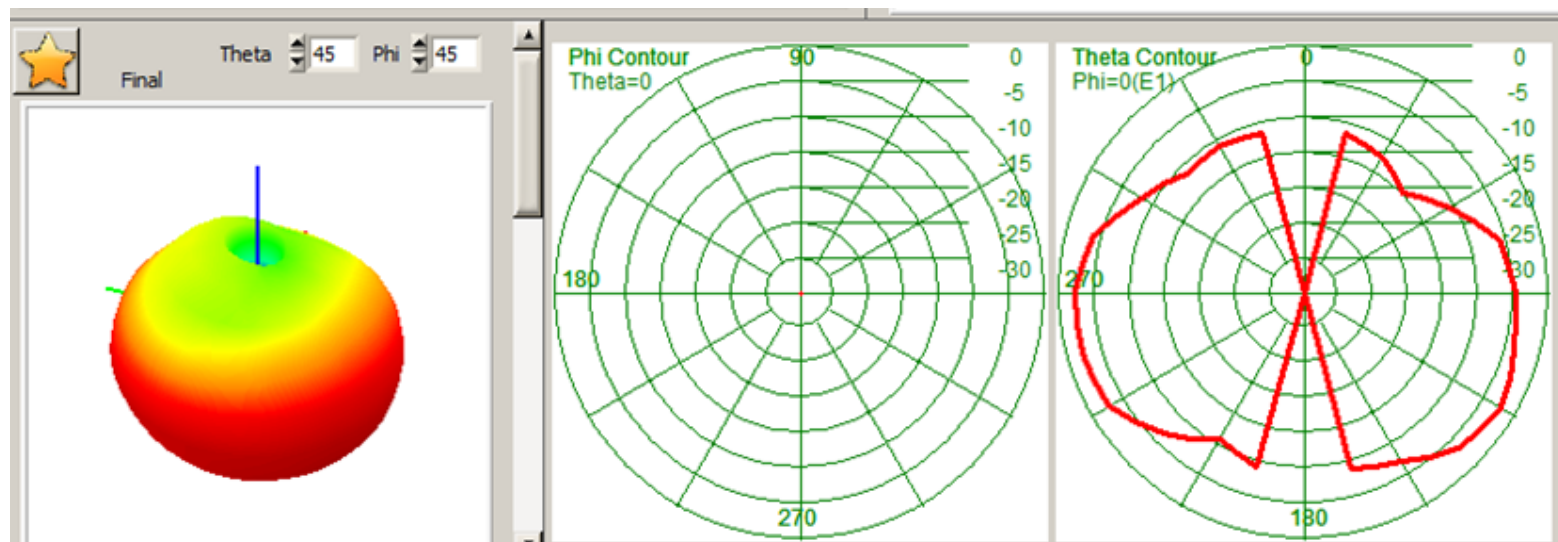
FM Tested environment	Total number of search channels	Number of channels with clear playback quality
In the office	8	3
Office window sill	20	14

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%

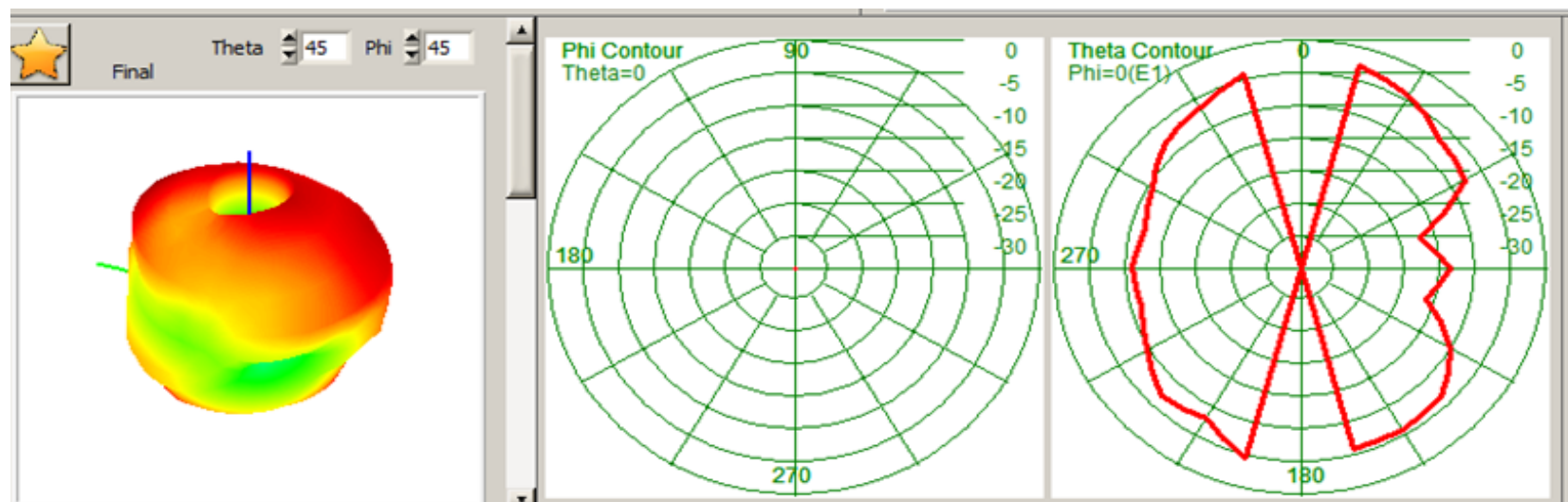
GSM850



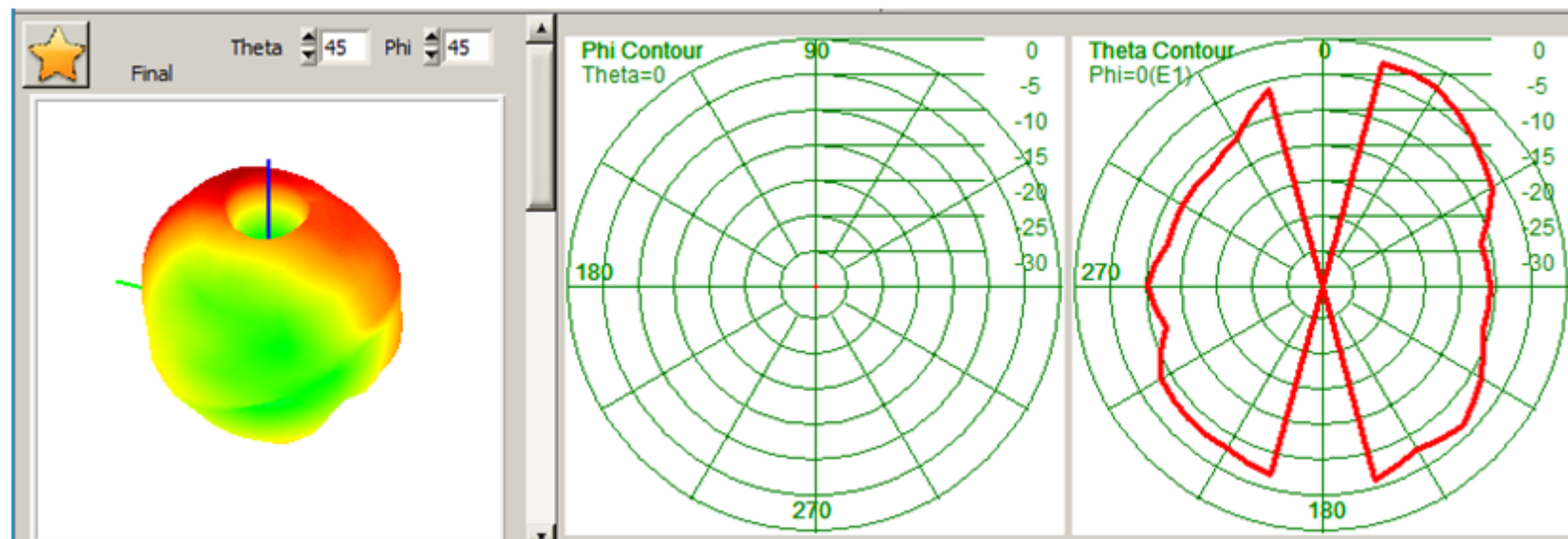
GSM900



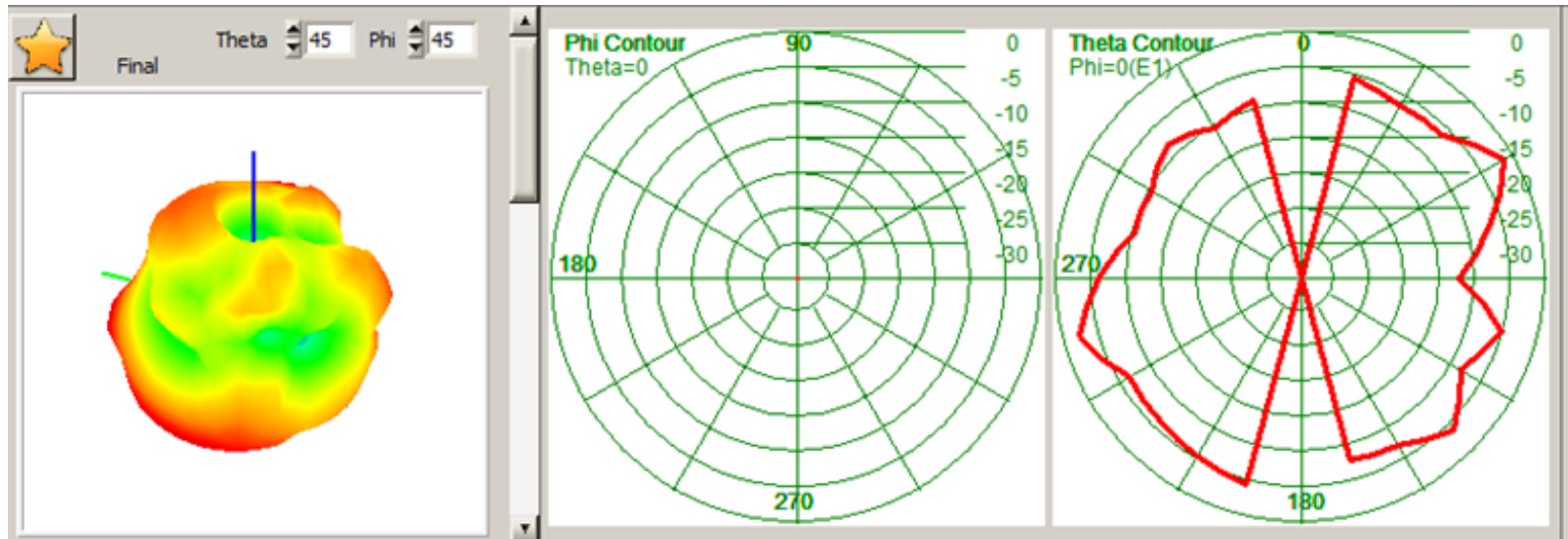
DCS1800



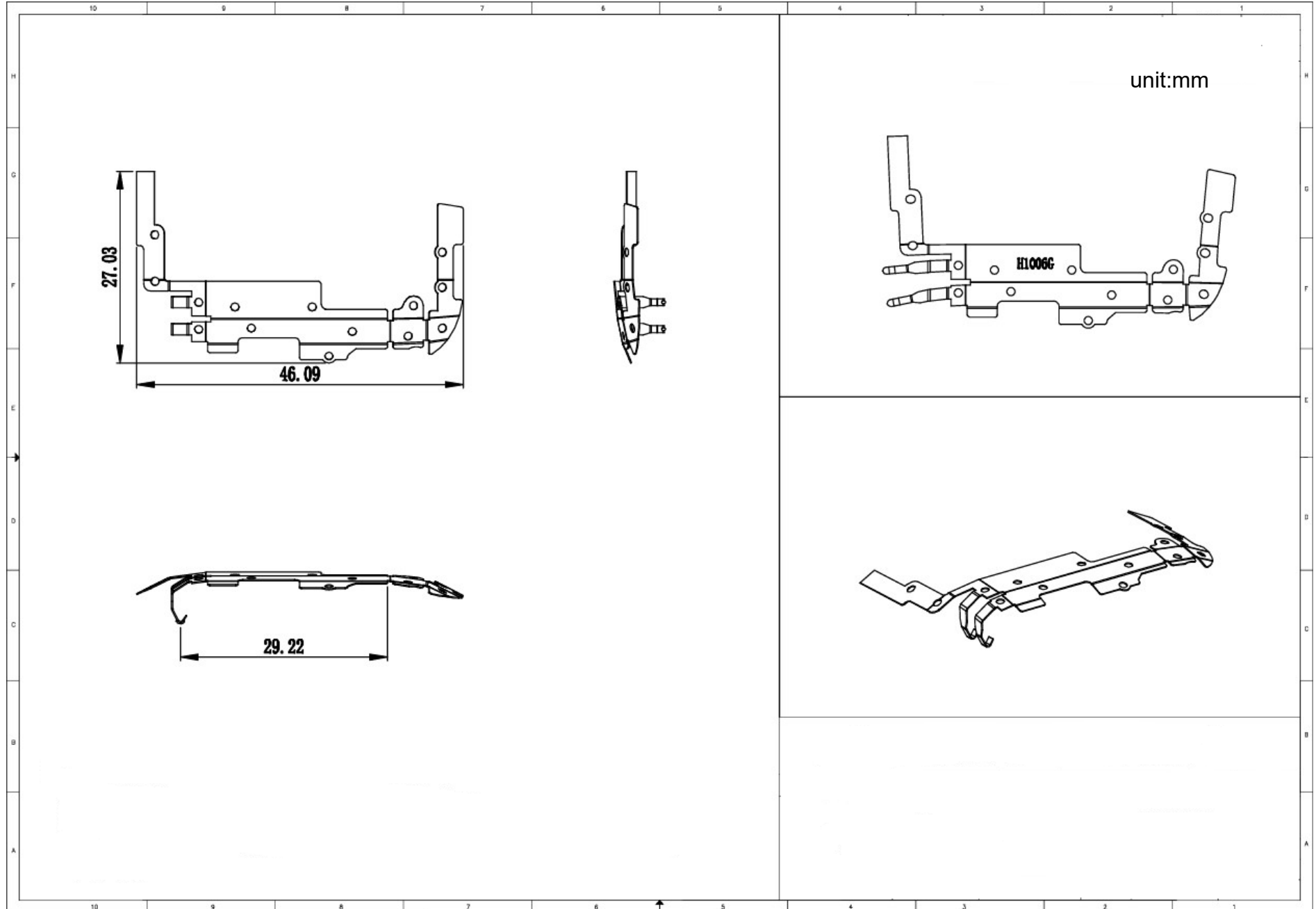
PCS1900



BT



GSM ANT



BT ANT

unit:mm

