



深圳市千目通讯科技有限公司

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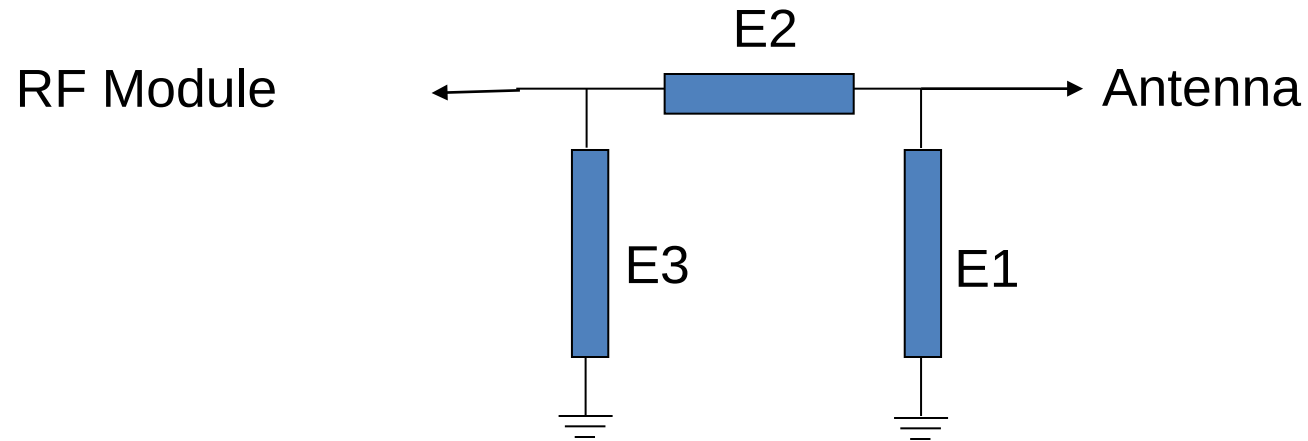


Debugging instructions of the whole machine

type	Functional machine						
type	mainboard						
Overview of antenna	Main antenna	frequency band		Antenna state	Antenna form	Design area	Matching change
		2G	850/1900	Mold sample	PIFA	Shell material	without
		3G					
		4G					
	Other antennas	BT					
		GPS					
Prototype state	Debugging prototype			Environmental treatment	without		



Main antenna matching circuit



Element	Value
E1 (0201)	
E2 (0201)	0 Ω
E3 (0201)	



test data-Freespace

Antenna state	Mold sample			Shell state	Debugging prototype		
	GSM850				PCS1900		
Channel	128	190	251		512	661	810
TRP	28.19	28.17	28.31		24.19	24.42	24.44
TIS			-103.27				-103.23

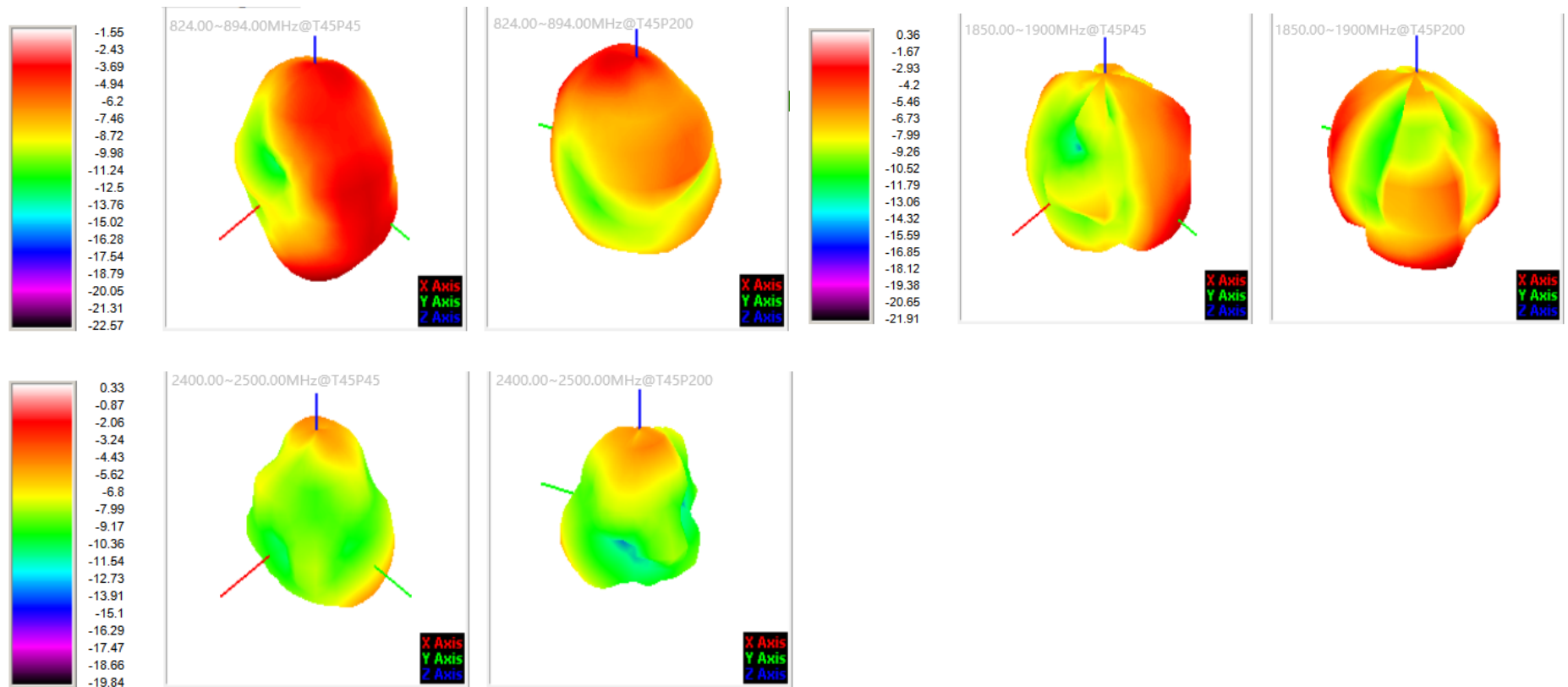


antenna gain

PEAK GAIN		
2G:	Frequency range	Gaim dBi
GSM850	824~894Mhz	-1.55
PCS1900	1850~1990Mhz	0.36
2.4G-BT	2400~2500Mhz	0.33

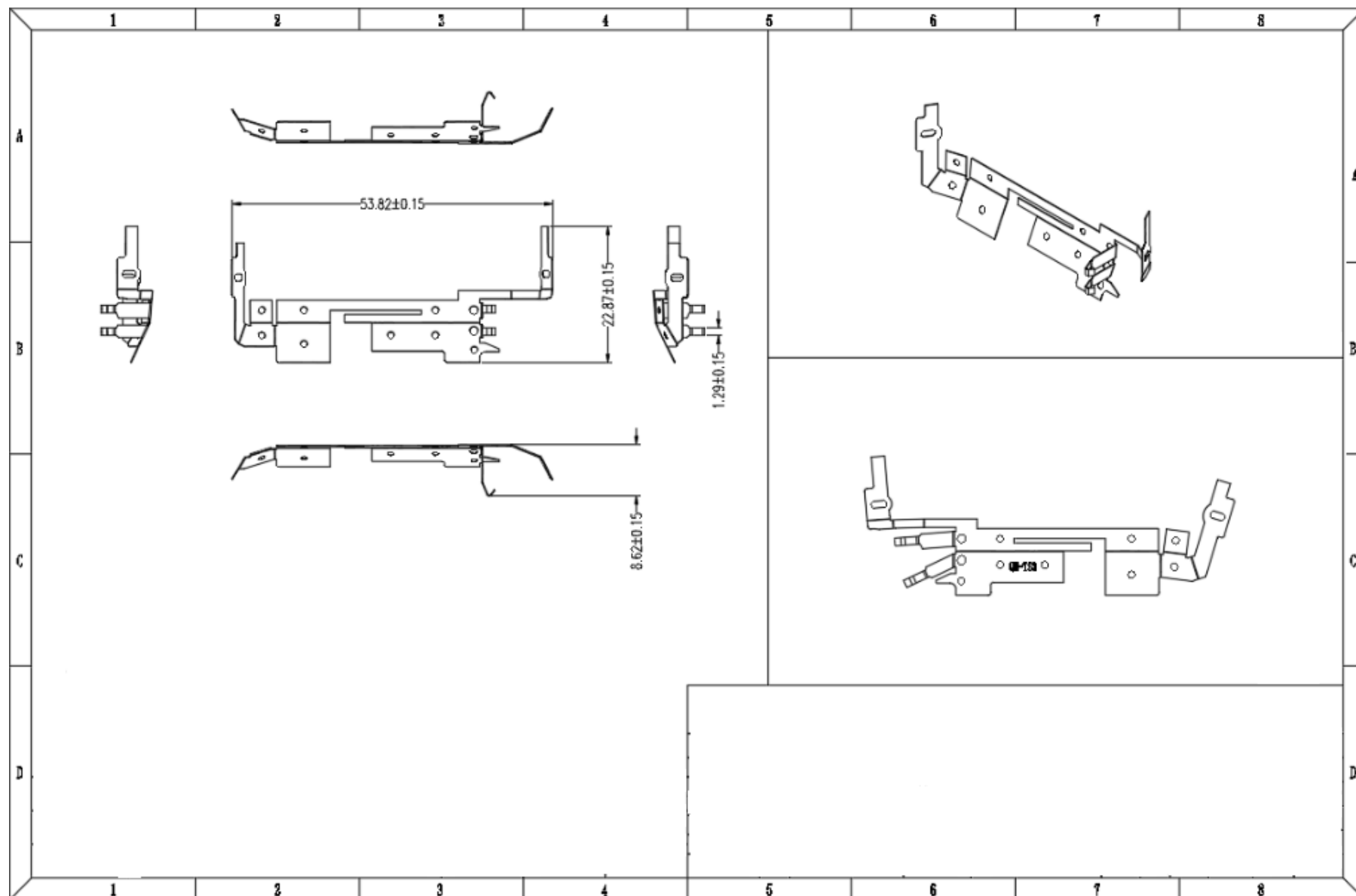


Main antenna pattern





Antenna circuit diagram





BT antenna size diagram

