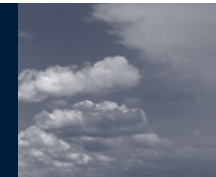




leading wireless innovation™

Project Name: 2100+
Version:D
Author:yinks
Date:21st Aug

Revision History



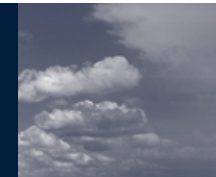
SkyCross

Date	Revision	Author	Description of changes
2008- 08 - 19	D		开模后的样品

Overview

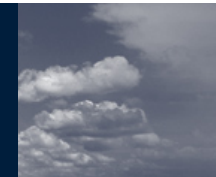


CUSTOMER NAME		zhizhezhun	PROJECT NAME	2100+
NO.	ITEMS	DETAILS		
1	FREQUENCY	824~894MHz&1850~1990MHz		
2	PROJECT TYPE	bar		
3	ANTENNA SPACE	35*12*5mm		
4	FEED & GROUND PAD SETTING	TWO PADS		
5	SENSITIVE ELEMENTS	Shielding,.speaker.and so on.		
6	ANTENNA TYPE	PIFA		
7				
8				
RF		Yinks	13421397073	yyin@skycross.com.cn
ME		steven	Phone number	swei@skycross.com.cn



- Phone Test Configurations
- Testing Summary
 - Frequency bands
 - Return Loss
 - Smith chart
 - VSWR
 - Power and Sensitivity

Matching Circuit for Production Phone



SkyCross

Antenna



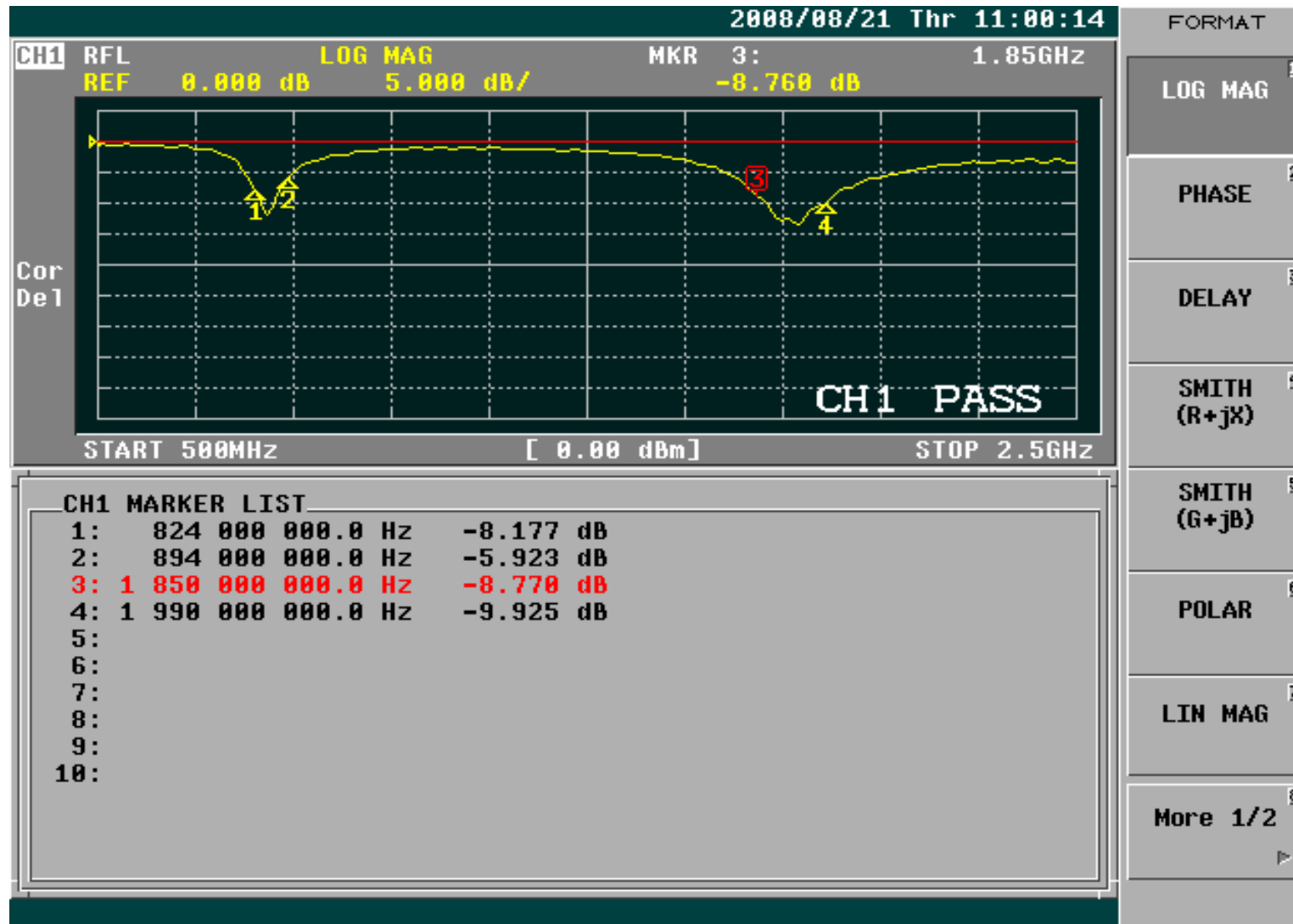
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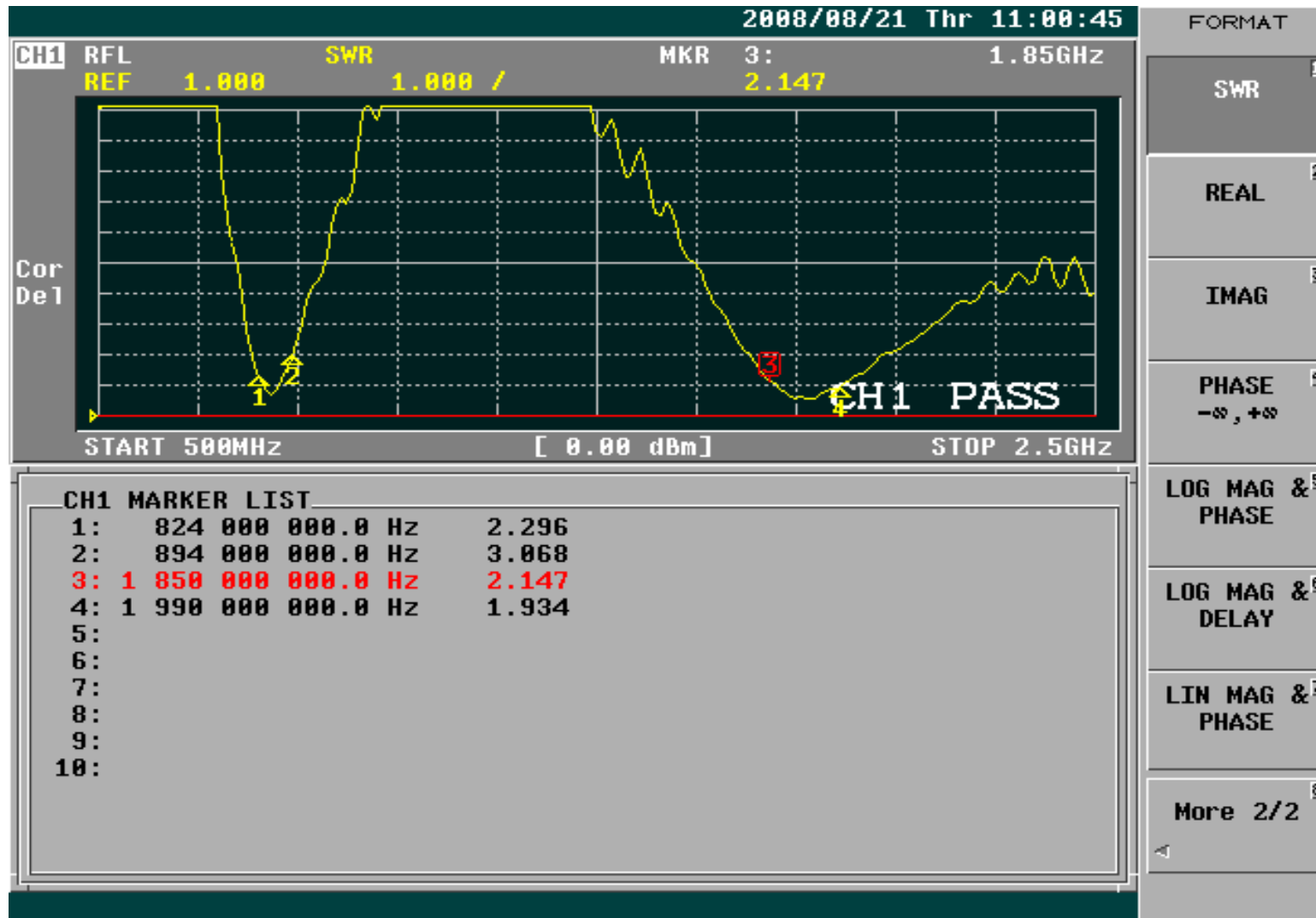
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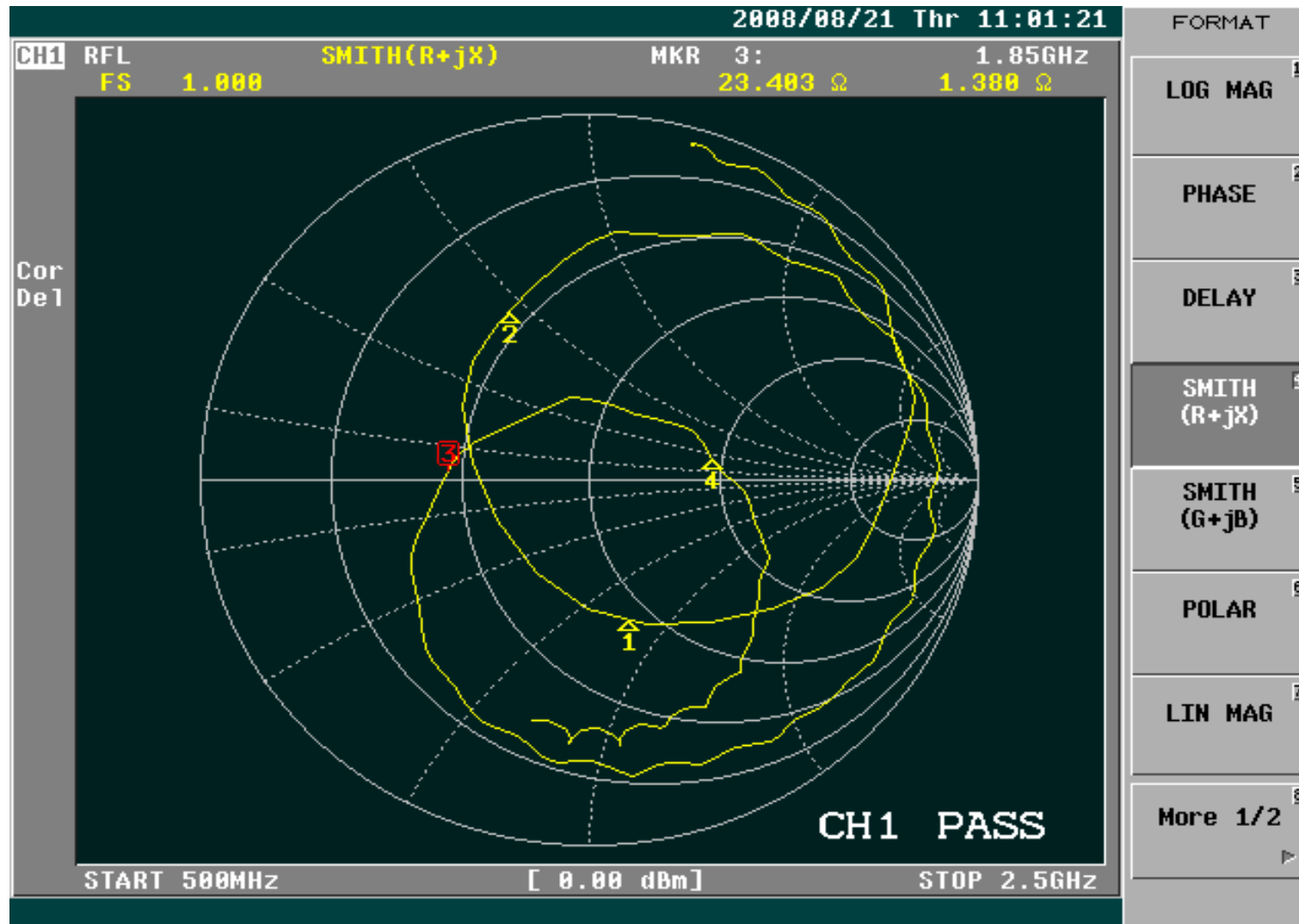
Return Loss



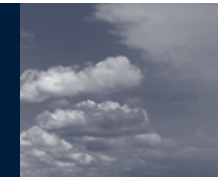
VSWR



Smith chart



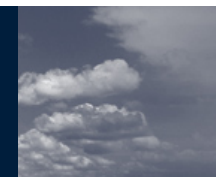
Efficiency and Gain



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Frequency	Gain(dB)	Efficiency (%)
810.0MHz	-2.43	32.95
820.0MHz	-1.73	36.95
830.0MHz	-1.41	38.9
840.0MHz	-0.84	43.85
850.0MHz	-0.48	47.37
860.0MHz	-0.4	46.93
870.0MHz	-0.29	47.43
880.0MHz	-0.57	45.38
890.0MHz	-1.42	38.82
900.0MHz	-1.82	37.02

Power and Sensitivity



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	GSM850				
Channel	128	190	251	dBm	Max plain
Power	30.01	30.27	30.52	dBm	
Sensitivity	-107	-107	-103	dBm	
	P C S				
Channel	512	661	810	dBm	Max plain
Power	27.62	27.36	27.17	dBm	
Sensitivity	-107	-106	-106	dBm	