

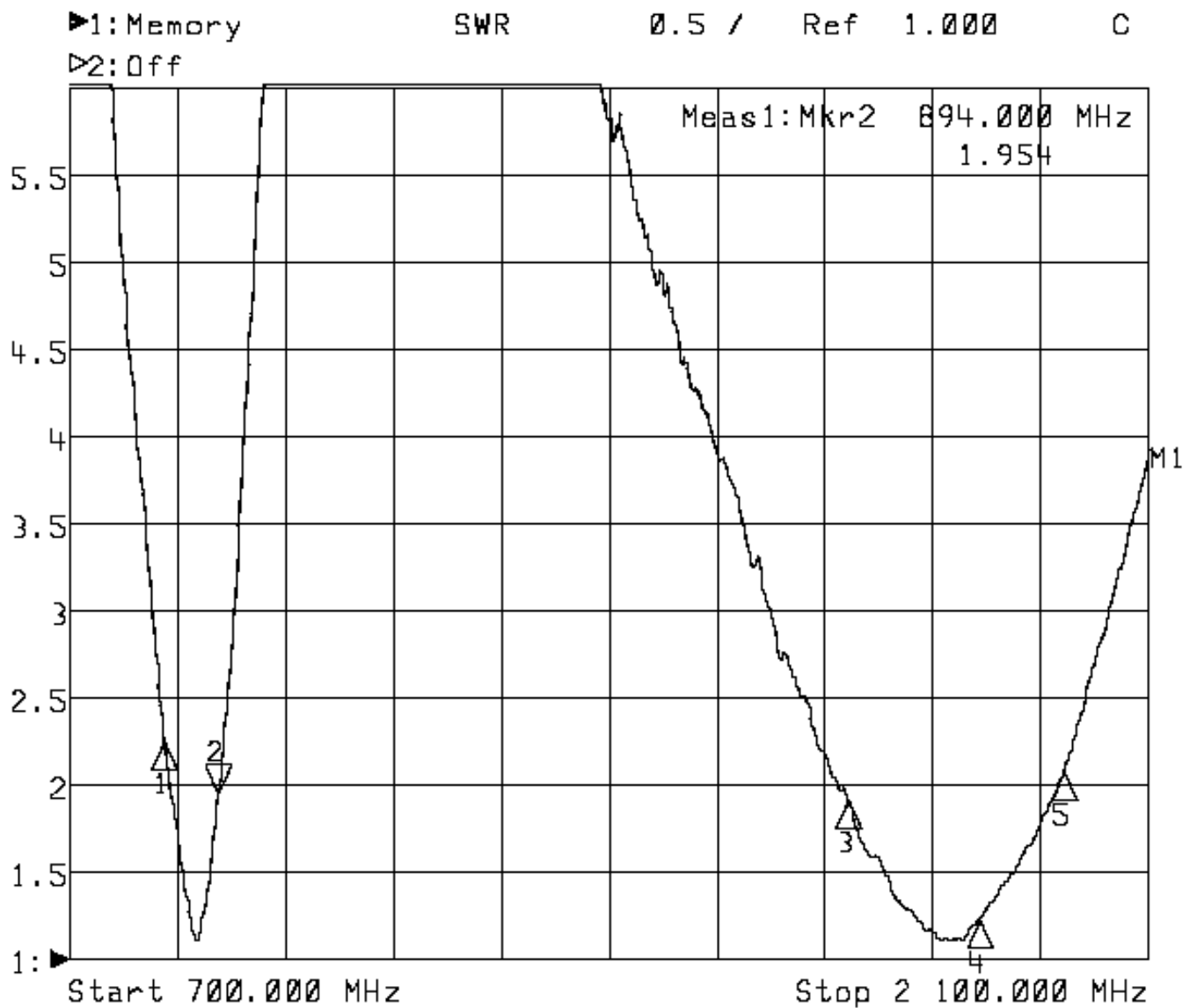
SP230A/ PPC4100 Antenna Spec.

Electrical Properties

1.1	Frequency Rang	824~894 1770~1880 1850~1990
1.2	Impedance	50 Nominal
1.3	VSWR	2.247 Max.
1.4	Return Loss	-8.3 dB Maximum
1.5	Gain	2.02 dBi
1.6	Admitted Power	2W

Physical Properties

2.1	Antenna Cover	PC+ABS
2.2	Antenna Base	PC+ABS
2.3	Operating Temp.	-20 ~+70 Degree C
2.4	Storage Temp.	-20 ~+75 Degree C
2.5	Color	Deep Blue



1: Mkr (MHz)	2: Mkr (MHz)	dB
1: 824.0000	2.247	
2> 894.0000	1.954	
3: 1710.0000	1.917	
4: 1880.0000	1.228	
5: 1990.0000	2.072	

Antenna Gain Test Report

■Customer : Wistron

■Deve No. : Deve-201A

■Model No. : sp230A

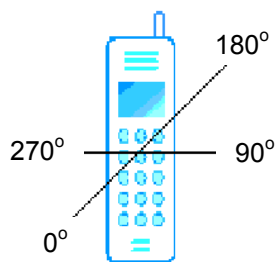
■Test Date : 2004/2/3

■Test condition : Free Space

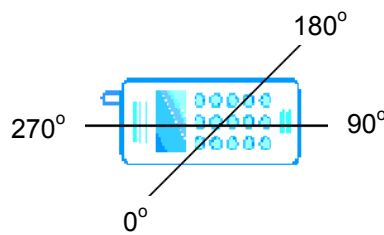
■Matching circule : Ant_p8.2nH_port

■Note :

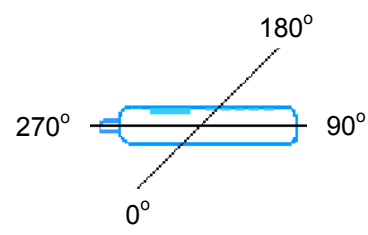
■Antenna position :



H-Plane



E-Plane



E2-Plane

■Test Result :

Freq. (MHz)	H-Plane		E-Plane	E2-Plane
	Max	Avg	Max	Max
824	1.11	-0.16	1.28	
869	2.02	0.84	0.90	
894	1.18	0.17	0.58	
1710	0.31	-3.68	0.49	
1800	0.98	-2.51	0.83	
1880	0.57	-2.67	-1.05	
1990	-0.07	-3.04	-1.48	

Unit : dBi

Confirmed By : Aman Huang

Test Engineer : Edwarder Ou

