



Antenna Test Report

Customer : 光寶 n50

Measurement Time : 2004/11/04

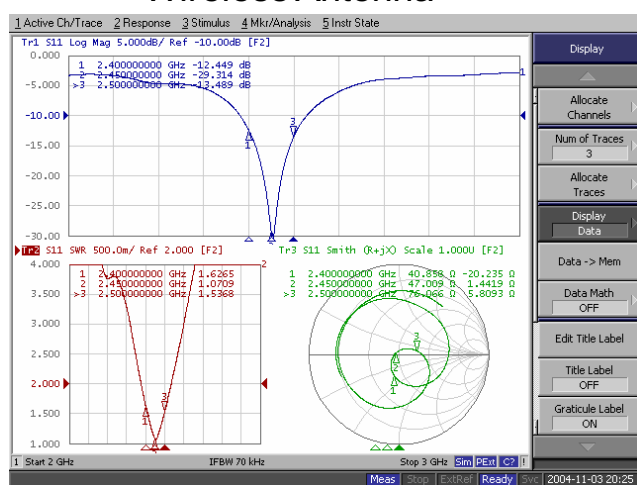
Measurement Instrument : 1、Agilent Technologies E5071A 300K~8.5GHz ENASeries Network Analyzer

2、Chamber : 3.5m(W) * 3.25m(H) * 7.12m(L)

Gain Horn Antenna : SG-430 1.7~2.6GHz

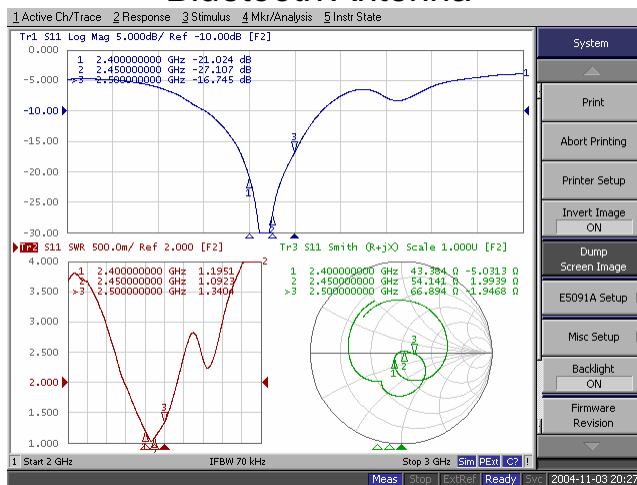
Measurement Frequency : 2.0 GHz ~ 3.0GHz

Wireless Antenna



wireless Antenna Type: Pi-Fa

Bluetooth Antenna



Bluetooth Antenna Type: Pi-Fa

VSWR	Wireless Antenna			Bluetooth Antenna		
	2.4 GHz	2.45 GHz	2.5 GHz	2.4GHz	2.45 GHz	2.5 GHz
	1.62	1.07	1.53	1.19	1.09	1.34



Antenna Peak Gain & Average Gain Test Result

Wireless Antenna	Peak Gain (dBi)			Average Gain (dBi)		
	2.4 GHz	2.45 GHz	2.5 GHz	2.4 GHz	2.45 GHz	2.5 GHz
V plane	-1.16	-1.31	-1.83	-4.86	-4.72	-4.56
H plane	-4.43	-5.43	-5.25	-8.37	-8.76	-8.85
V + H plane	0.01	-0.31	-0.37	-3.26	-3.28	-3.19

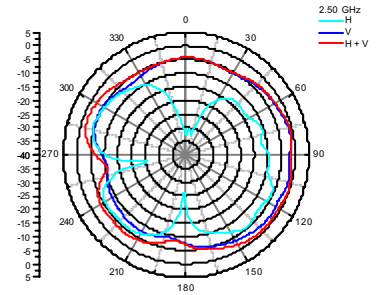
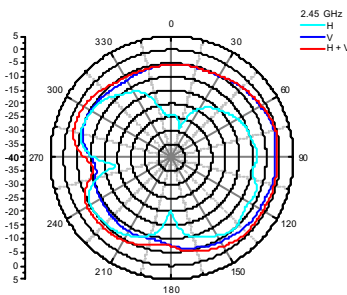
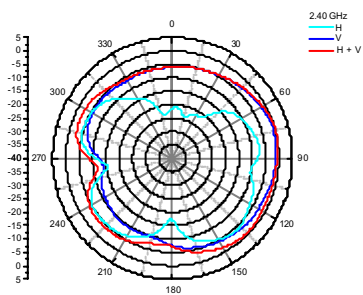
Bluetooth Antenna	Peak Gain (dBi)			Average Gain (dBi)		
	2.4 GHz	2.45 GHz	2.5 GHz	2.4 GHz	2.45 GHz	2.5 GHz
V plane	-5.18	-4.95	-5.34	-8.96	-8.95	-8.58
H plane	-1.96	-2.51	-2.74	-5.49	-6.17	-6.52
V + H plane	-0.23	-0.68	-0.97	-3.88	-4.33	-4.42



WHA YU INDUSTRIAL CO., LTD

Antenna Pattern

Wireless Antenna Pattern



Bluetooth Antenna Pattern

