



Specifications Sheet

Object	Patch Antenna (Dual-band)	Page	1 of 6
Customer		Date	January 17, 2006
System	WLAN Dual-band IEEE 802.11b/g/a	Rev.	IR
Model Name	WHSP-2400/5000	Written by	

Electrical Specifications

Frequency Range (MHz)	2400 ~ 2483.5	5150 ~ 5825
Band Width (MHz)	83.5	675
V.S.W.R (Min)	1.9 : 1	1.9 : 1
Gain (Max)	8 (dBi)	8 (dBi)
Input Impedance	50 (Ω)	
Front Back Ratio	15 dB	
Polarization	Linear	

Mechanical Specifications

Antenna Size (Width x Length x Height)	122.4 × 132 × 36 mm
Weight	286±5 g
Radome Material	ASA
Connector	N-type Female
Cable	RG-58, 30 cm
Mounting	Wall mount
Operation Temperature	- 30 ~ 70 ($^{\circ}\text{C}$)
Operation Humidity	10 ~ 90 (%)

Option	
Remarks	

WINiZEN Co., Ltd.



Fig 1. Return Loss (Agilent E8357A 300KHz~6GHz PNA Series Network Analyzer)



Fig 2. V.S.W.R (Agilent E8357A 300KHz~6GHz PNA Series Network Analyzer)



Fig 3. Smith Chart (Agilent E8357A 300KHz~6GHz PNA Series Network Analyzer)

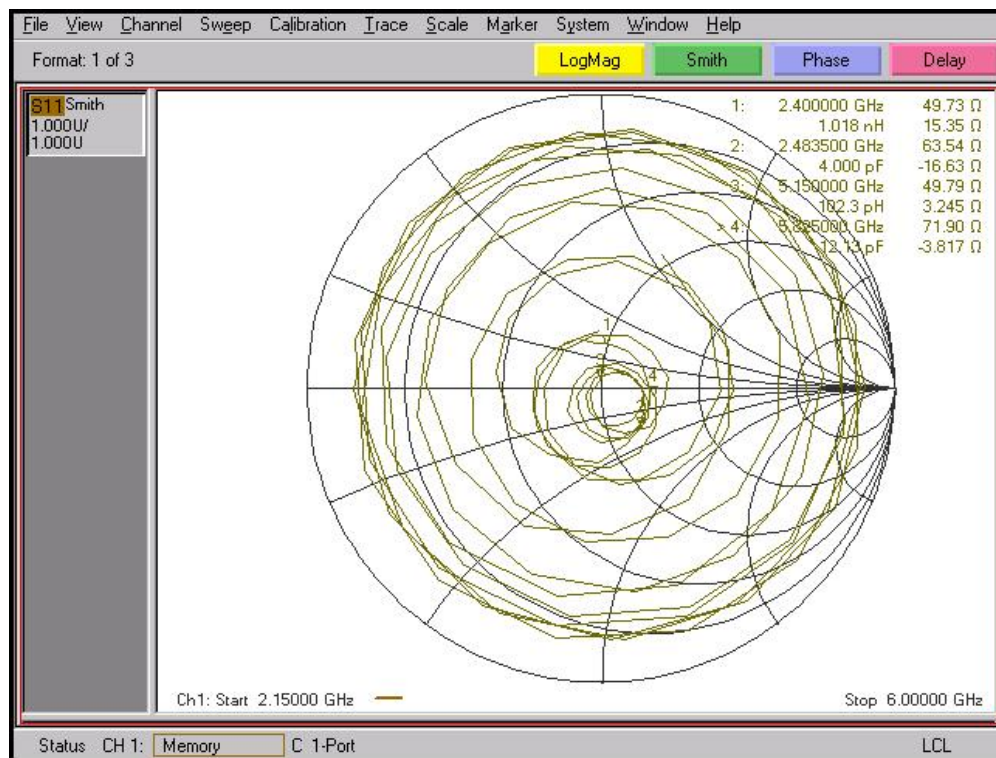
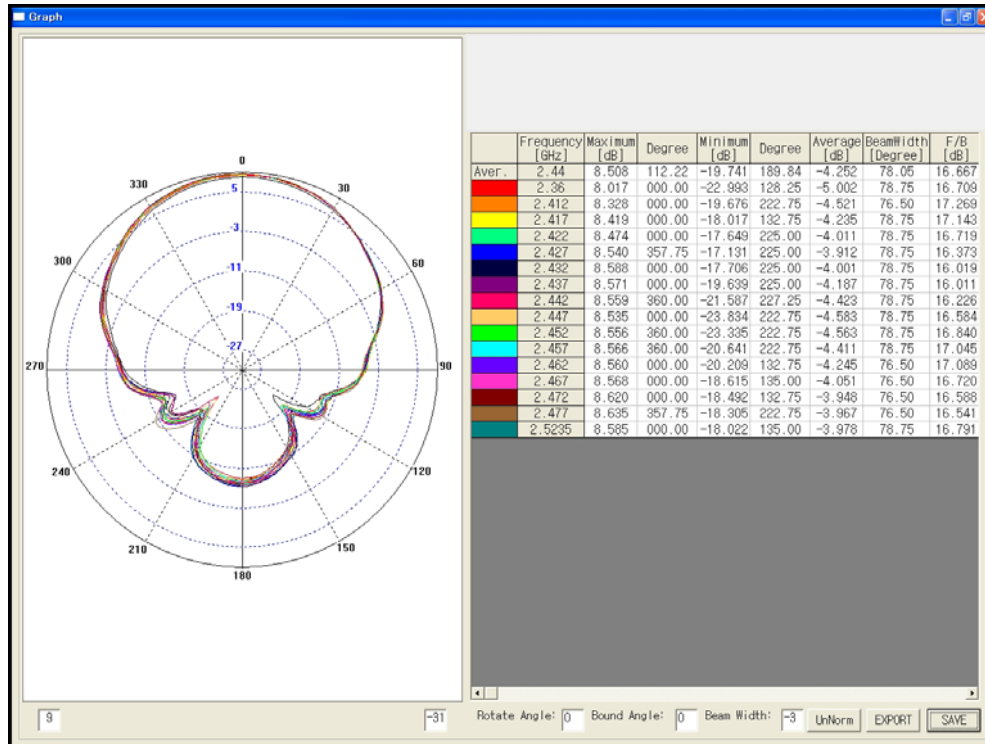


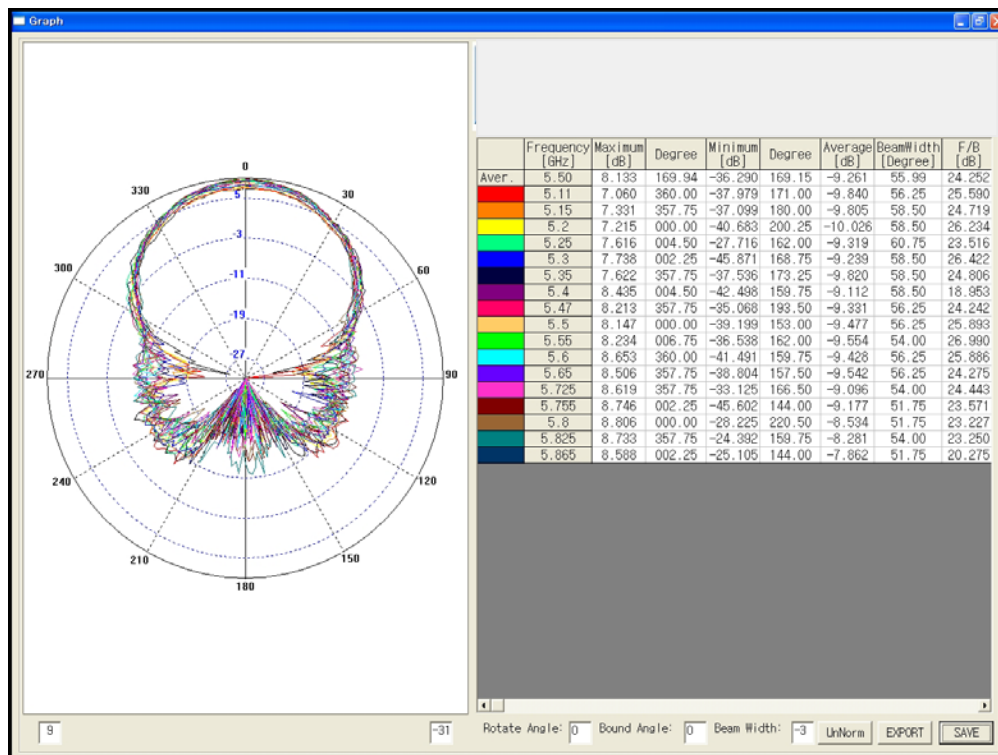
Fig 4. Gain Patterns

a. Azimuth Pattern

2 GHz

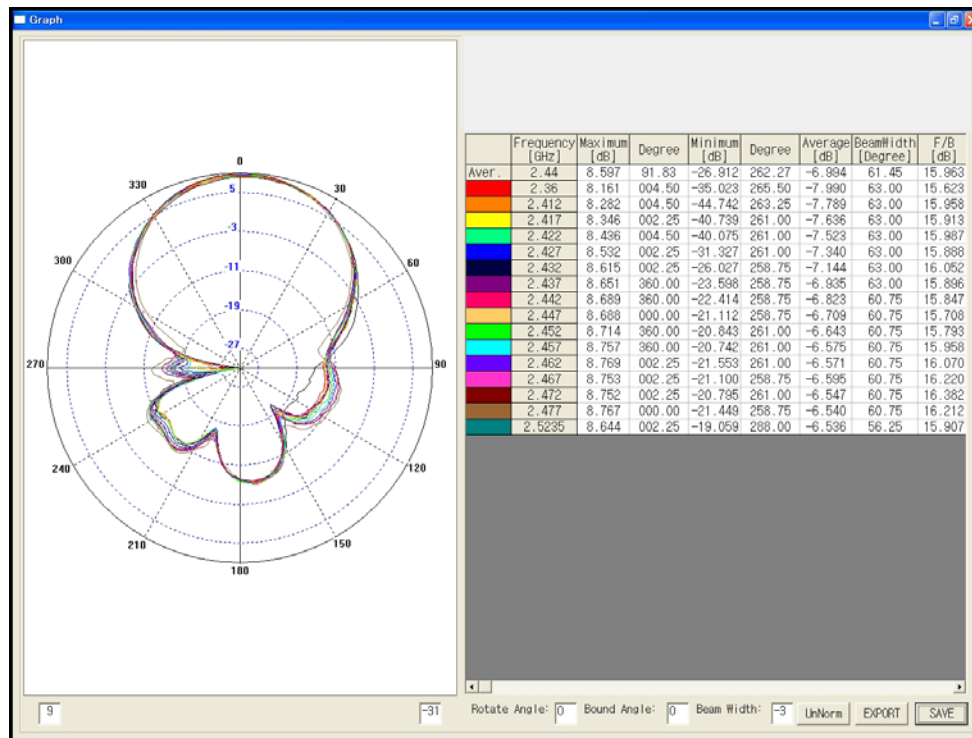


5 GHz



b. Elevation Pattern

2 GHz



5 GHz

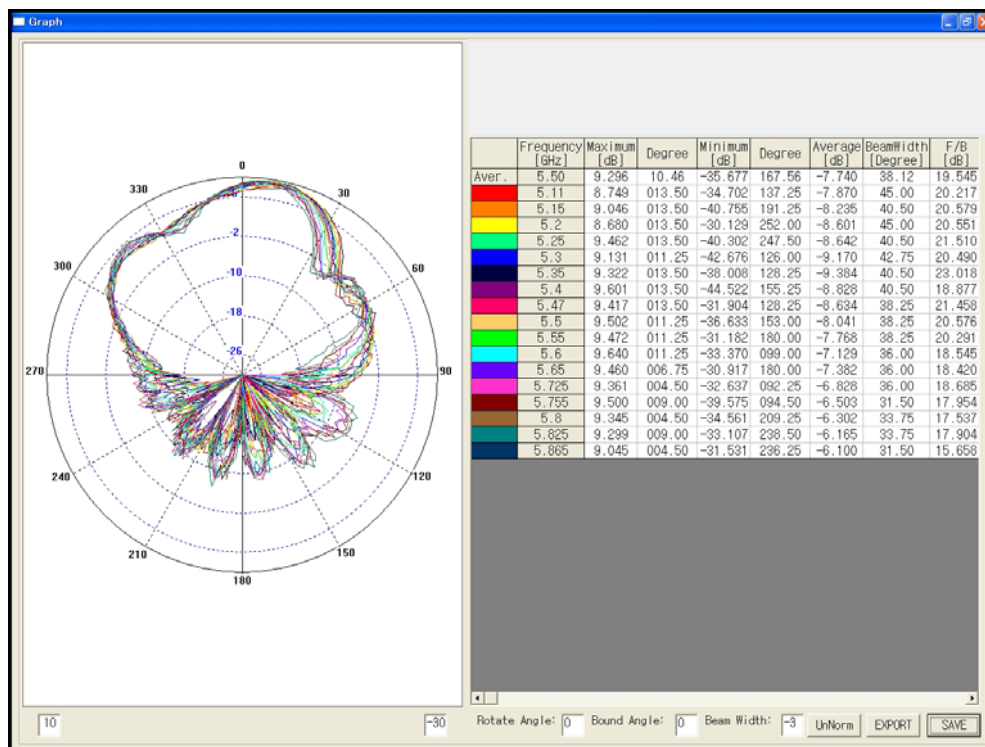
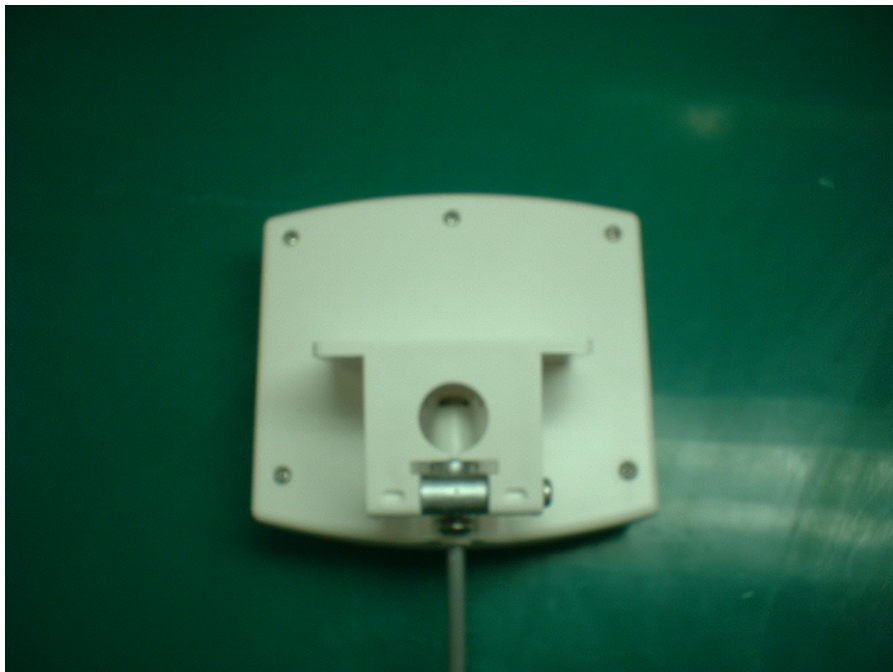


Fig 5. Photo



Front



Back