



Specifications Sheet

Object	Internal Antenna	Page	1 of 6
Customer	위즈넷	Date	Jan.23. 2009
System	WiFi	Rev.	IR
Model Name	W5I – BO – 07	Written by	W. I. KWAK

Electrical Specifications

Frequency Range (MHz)	2400 ~ 2483.5
Band Width (MHz)	83.5
V.S.W.R (Min)	1.9 : 1
Gain (Max)	2.0 ± 1 (dBi)
Input Impedance	50 (Ω)
Polarization	Linear

Mechanical Specifications

Antenna Size (Width x Length x Height)	48 × 8 × 1 mm
Weight	1.39 (g)
Cable	I-PEX : 20278-001R-13 (AWG #32) 130 mm
Operation Temperature	- 30 ~ 90 ($^{\circ}\text{C}$)
Operation Humidity	10 ~ 90 (%)

Option	
Remarks	

WINiZEN Co., Ltd.

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

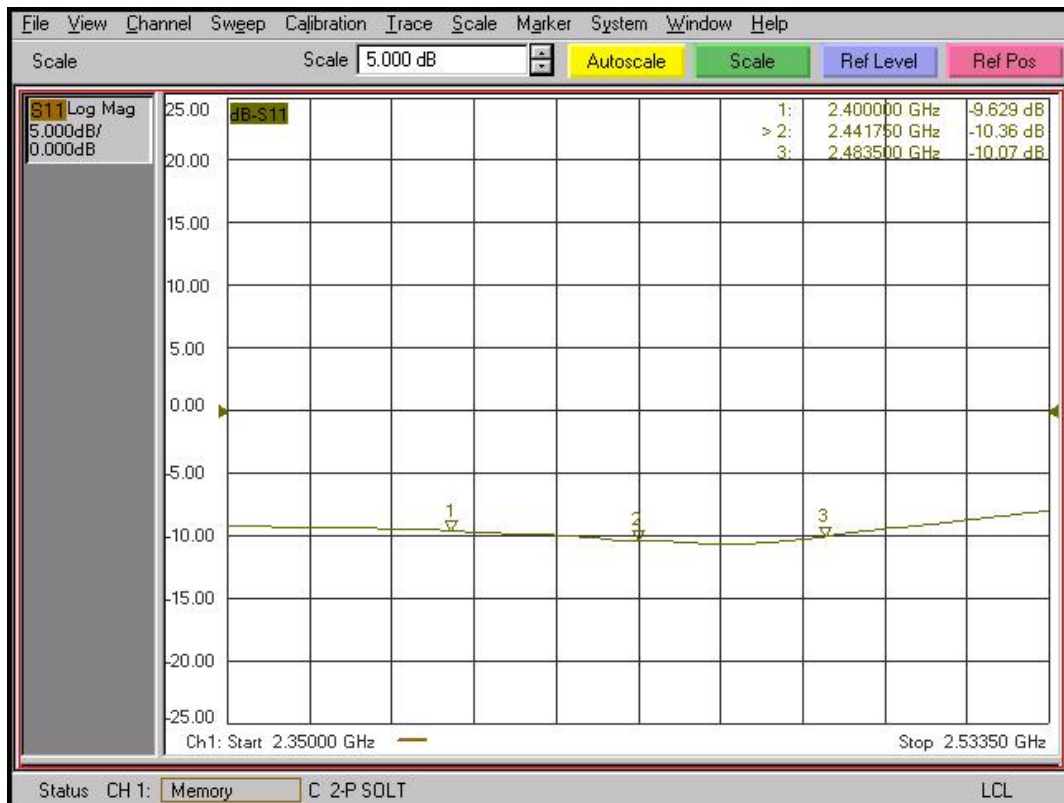


Fig 2. V.S.W.R (Agilent E8357A 300KHz~6GHz PNA Series Network Analyzer)



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

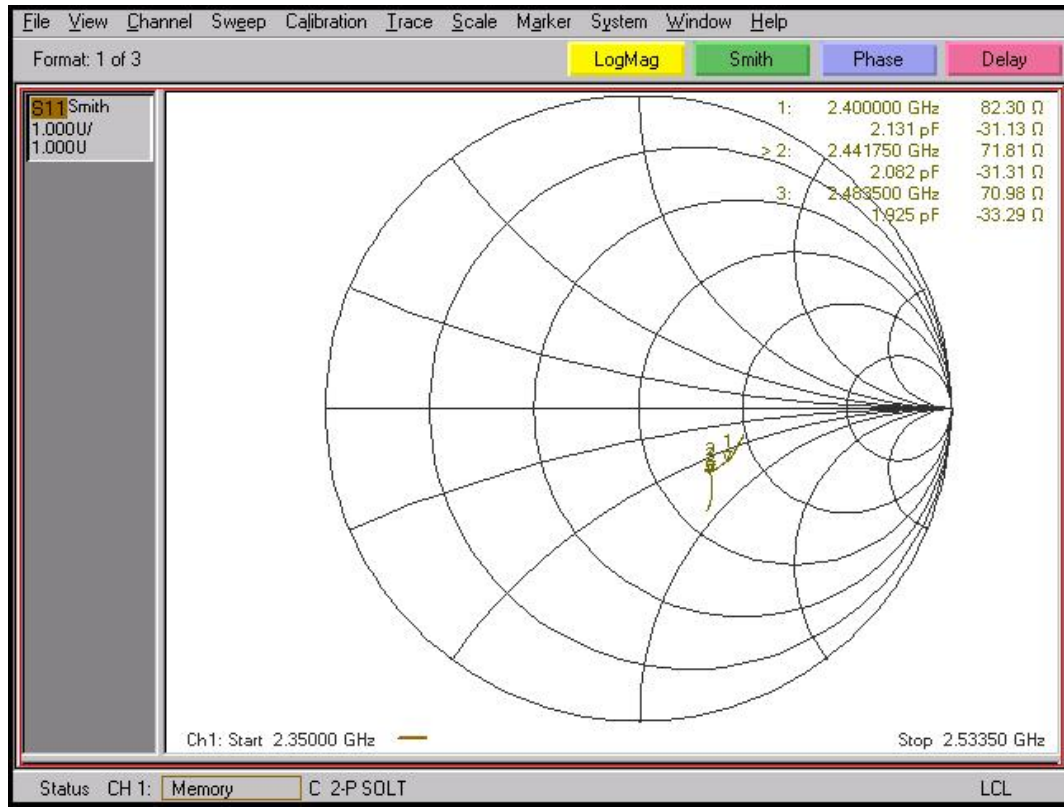


Fig 4. Measurement Configuration

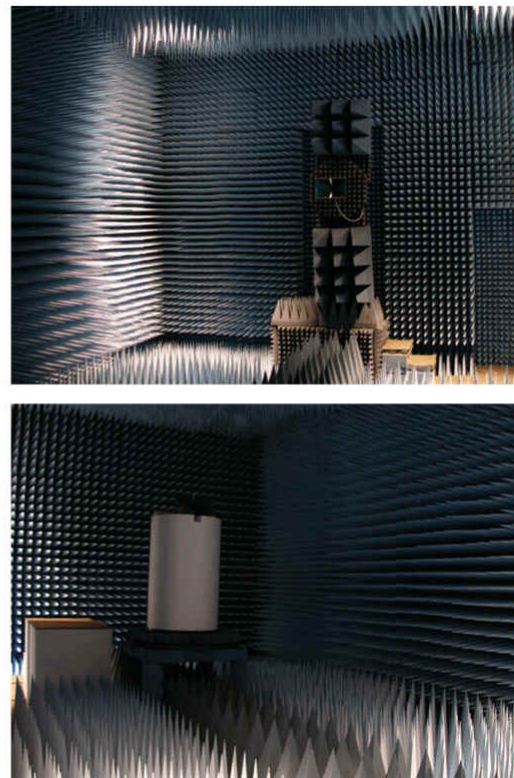
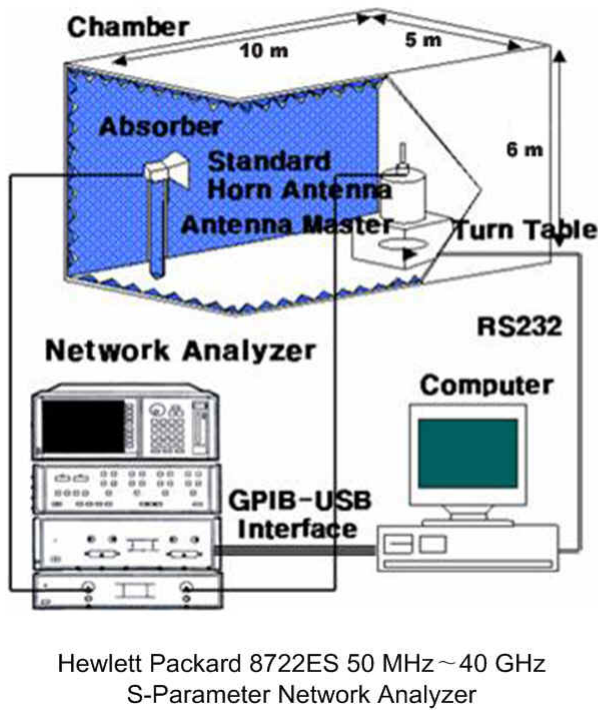


Fig 5. Axis Definitions (Antenna Center)

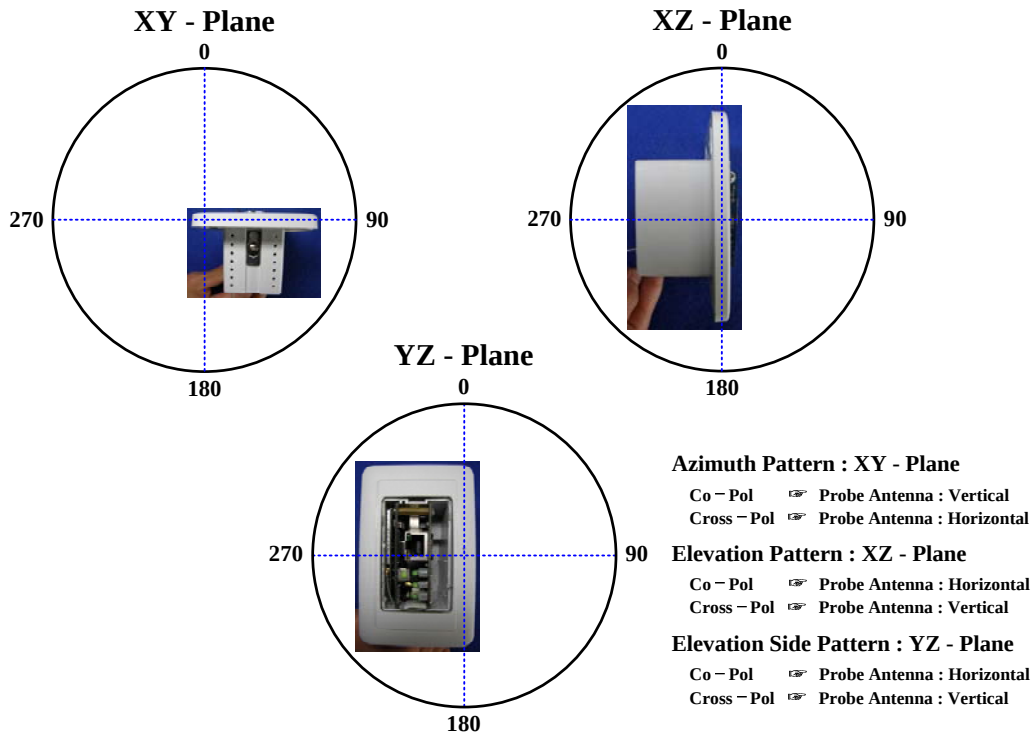
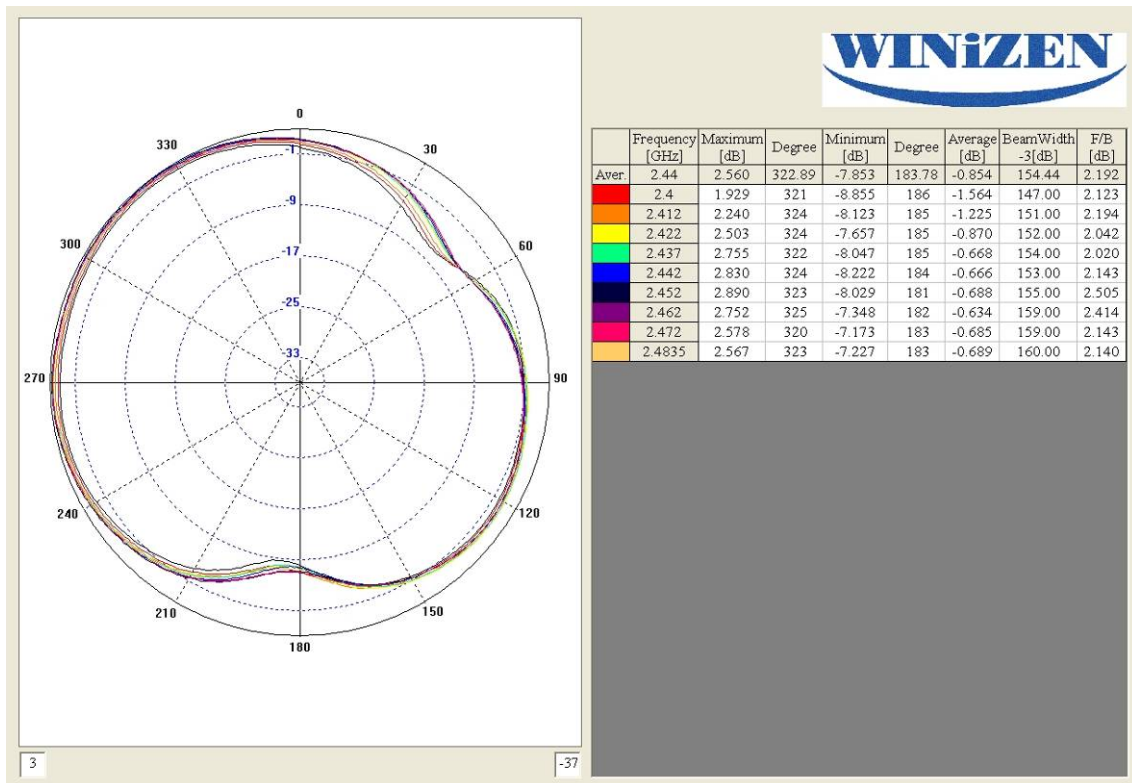


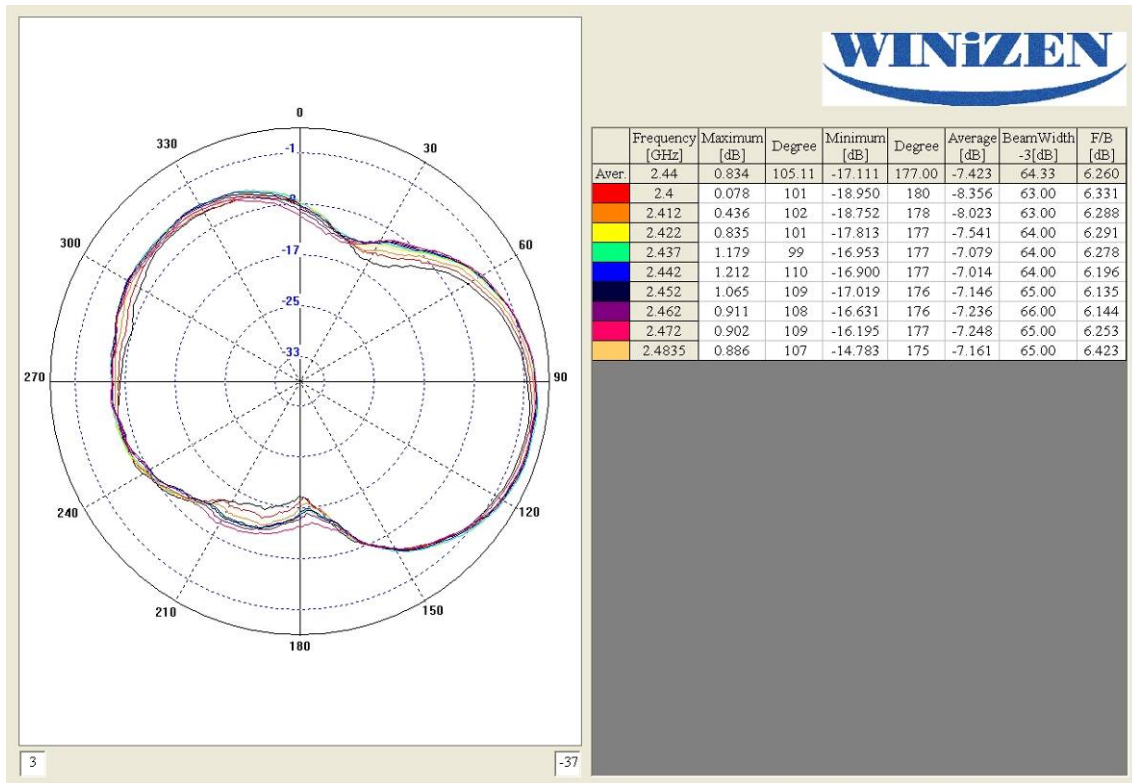
Fig 6. Gain Patterns

a. Azimuth Pattern





b. Elevation Pattern



c. Elevation Side Pattern

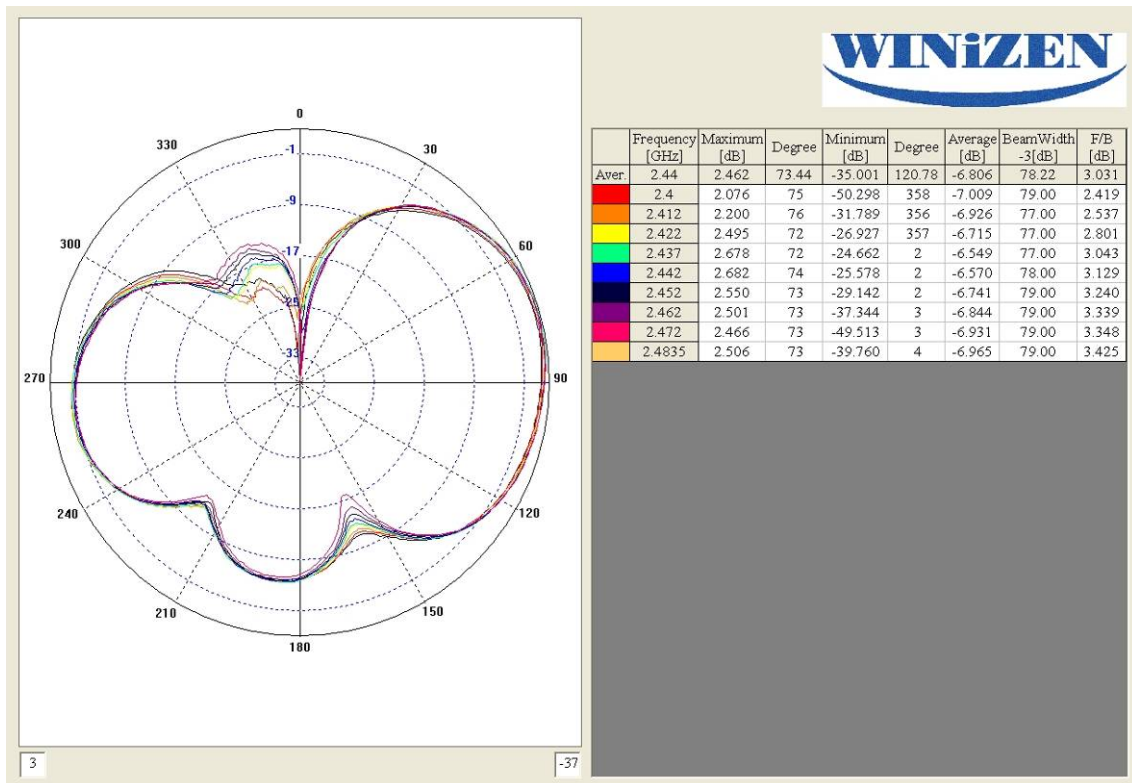




Fig 7. Photo

