



Specifications Sheet

Object	External Dipole Antenna	Page	1 of 6
Customer		Date	June 15, 2006
System	WLAN/Bluetooth/Zigbee	Rev.	G
Model Name	W5E – WO – 01	Written by	

Electrical Specifications

Frequency Range (MHz)	2400 ~ 2483.5
Band Width (MHz)	83.5
V.S.W.R (Min)	1.9 : 1
Gain (Max)	5 ± 0.5 (dBi)
Input Impedance	50 (Ω)
Polarization	Linear

Mechanical Specifications

Antenna Size (Width x Length x Height)	181 × 11 mm
Connector	SMA Male
Radiator Material	Copper
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)

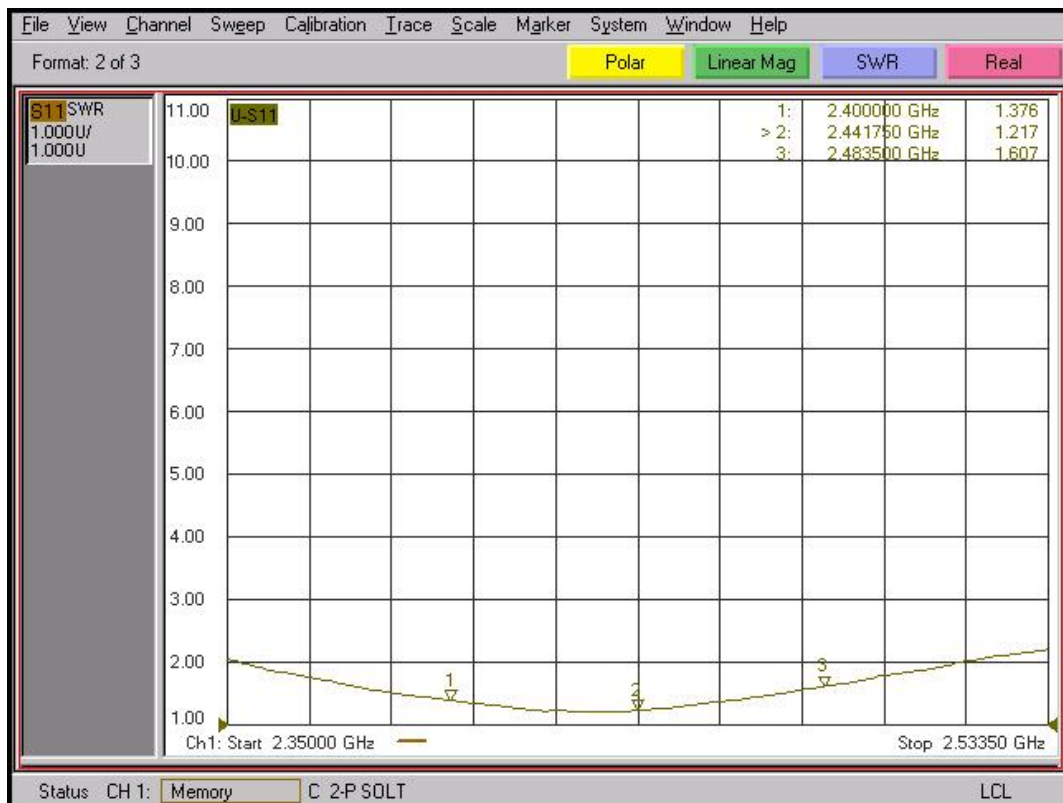


Fig 3. Smith Chart (Agilent E8357A 300KHz~6GHz PNA Series Network Analyzer)

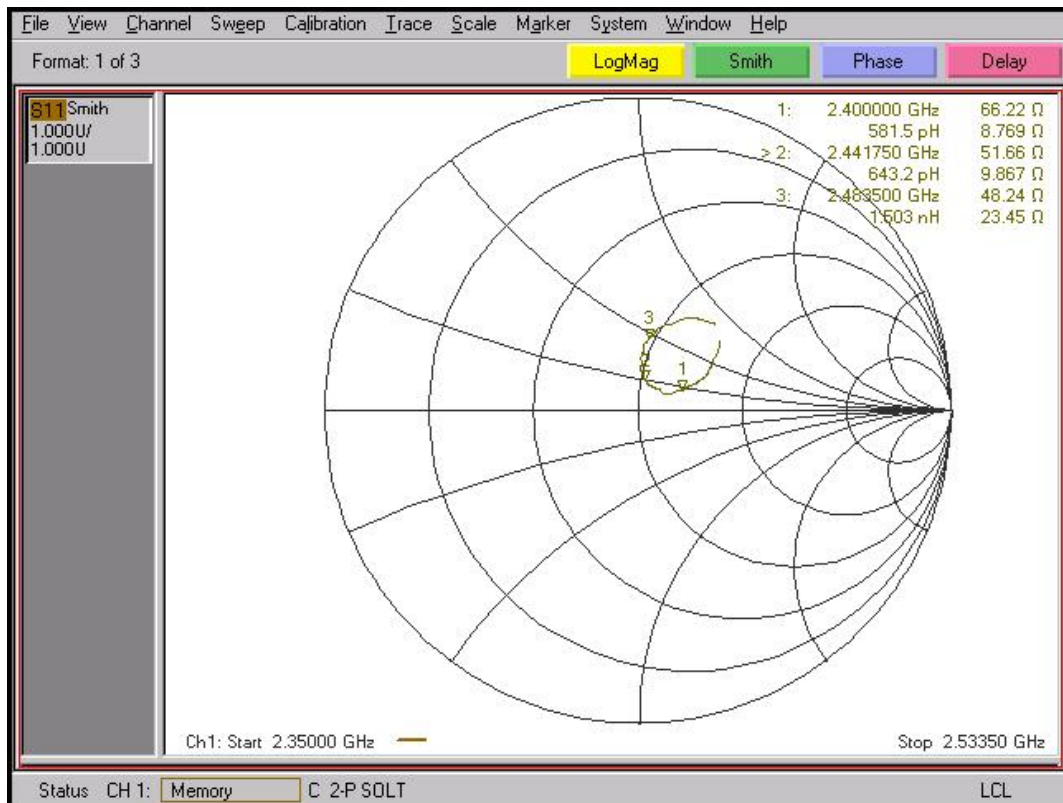


Fig 4. Measurement Configuration

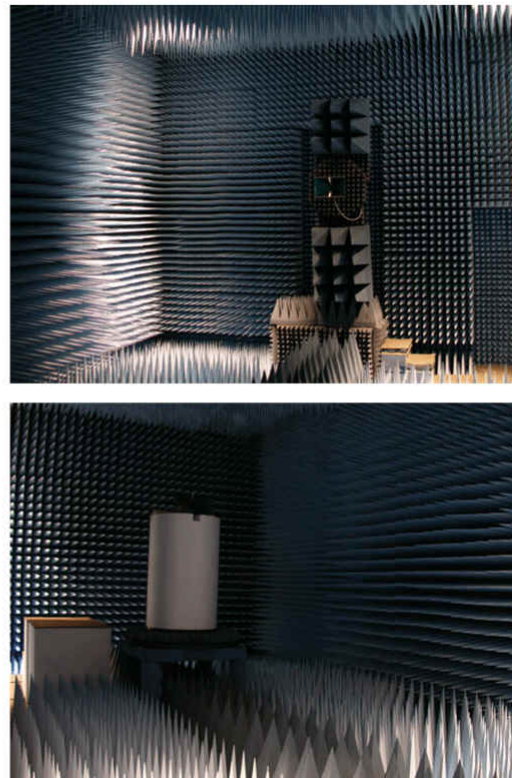
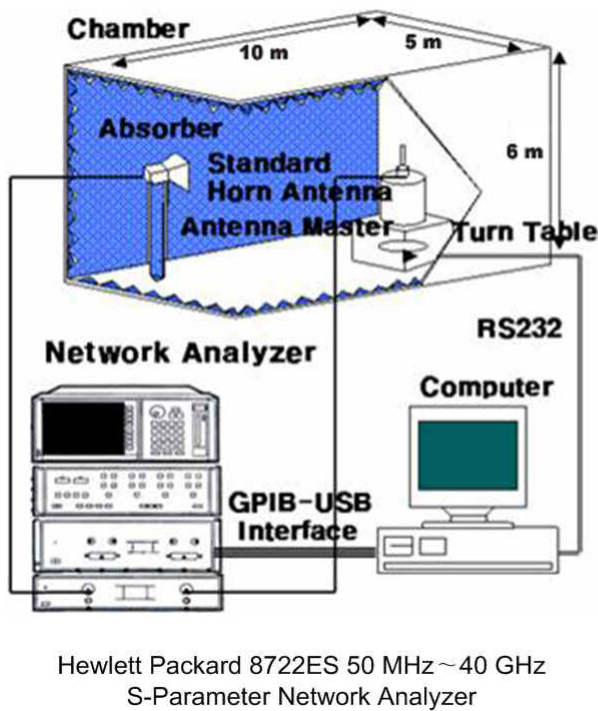


Fig 5. Axis Definitions (Antenna Center)

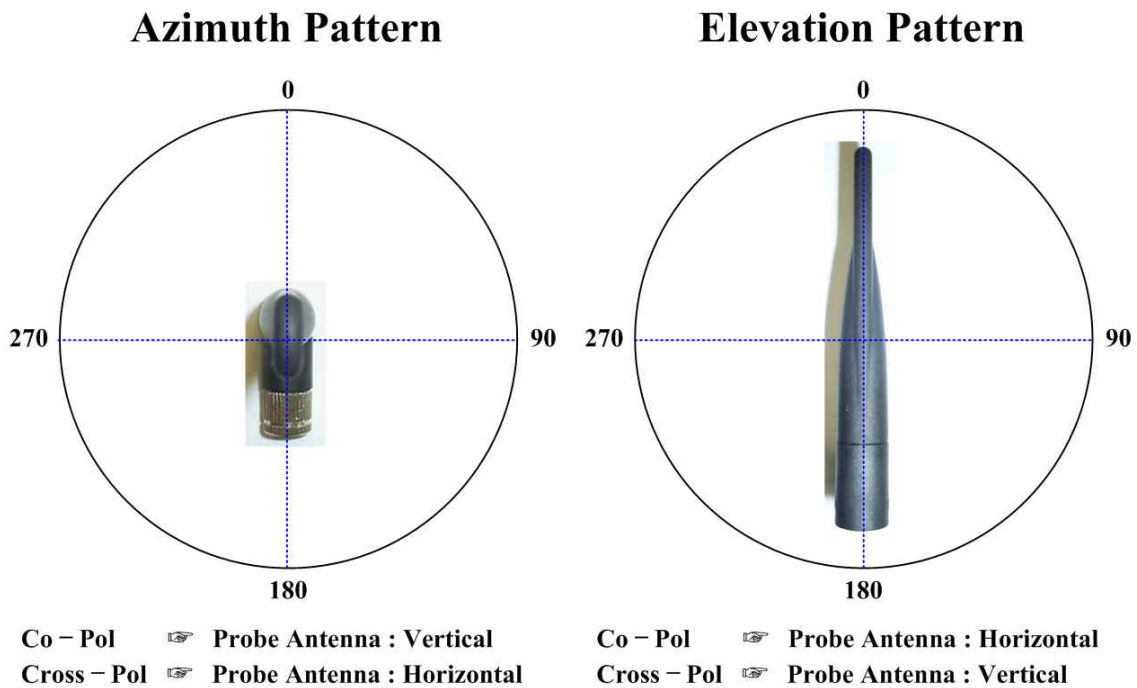
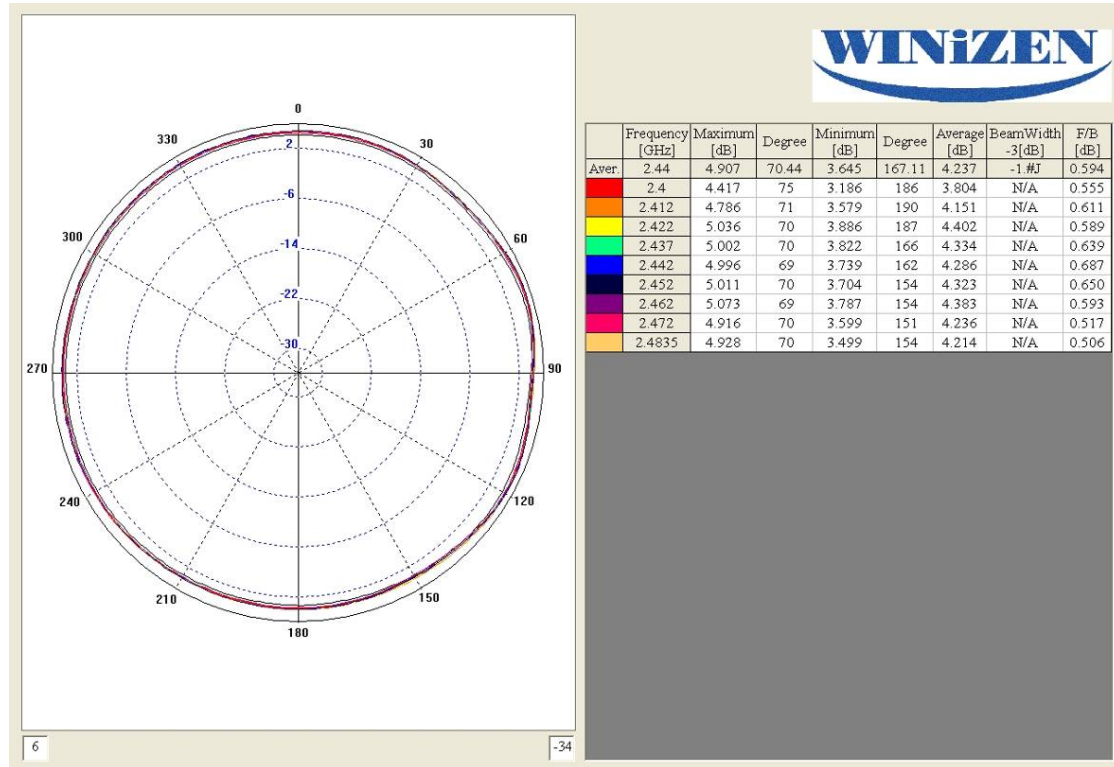


Fig 6. Gain Patterns

a. Azimuth Pattern



b. Elevation Pattern

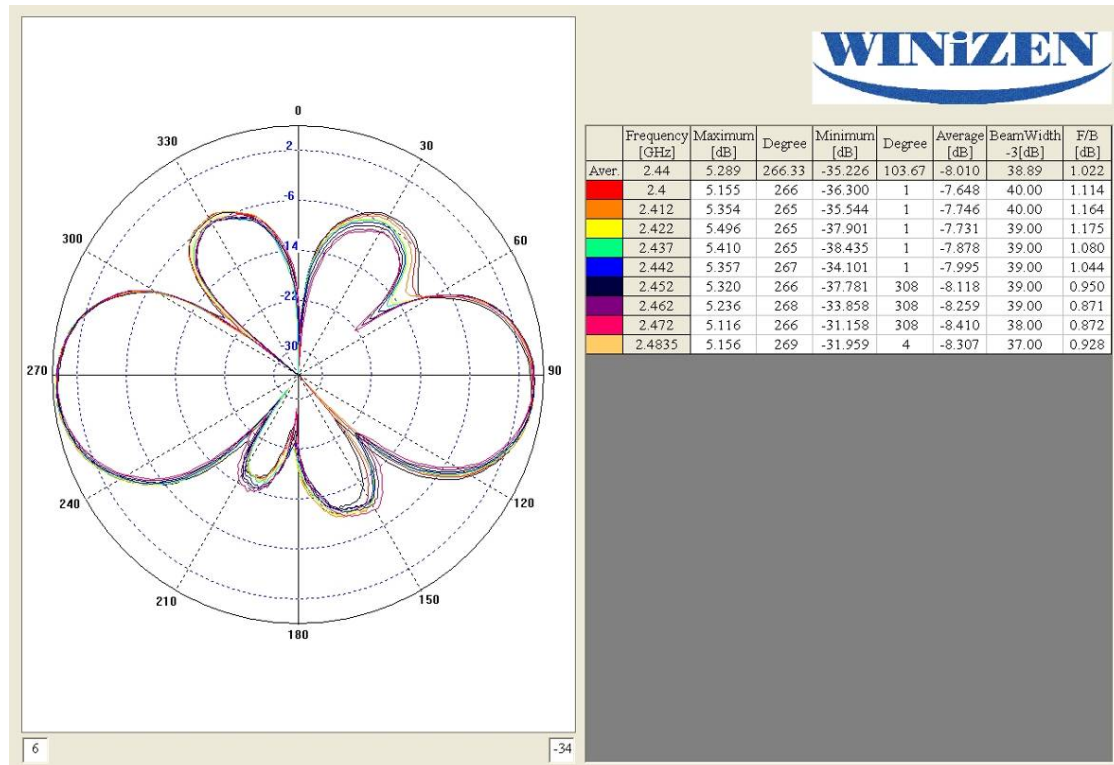


Fig 7. Mechanical Drawing

