



Specifications Sheet

Object	Dipole Antenna	Page	1 of 7
Customer	WINiZEN	Date	April 26, 2008
System	WLAN 2.4G & WiMAX 2.6G	Rev.	IR
Model Name	W8E – BW – 07	Written by	

Electrical Specifications

Frequency Range (MHz)	2400 ~ 2700
Band Width (MHz)	300
V.S.W.R (Min)	1.9 : 1
Gain (Max)	5 ± 1 (dBi)
Input Impedance	50 (Ω)
Polarization	Linear

Mechanical Specifications

Antenna Size (Width x Length x Height)	181 × 11 mm
Weight	17.5 (g)
Radiator Material	Copper
Operation Temperature	– 30 ~ 70 (°C)
Operation Humidity	10 ~ 90 (%)

Option	
Remarks	

WINiZEN Co., Ltd.

Fig 1. Return Loss (Agilent E8358A 300KHz~9GHz PNA Series Network Analyzer)



Fig 2. V.S.W.R (Agilent E8358A 300KHz~9GHz PNA Series Network Analyzer)

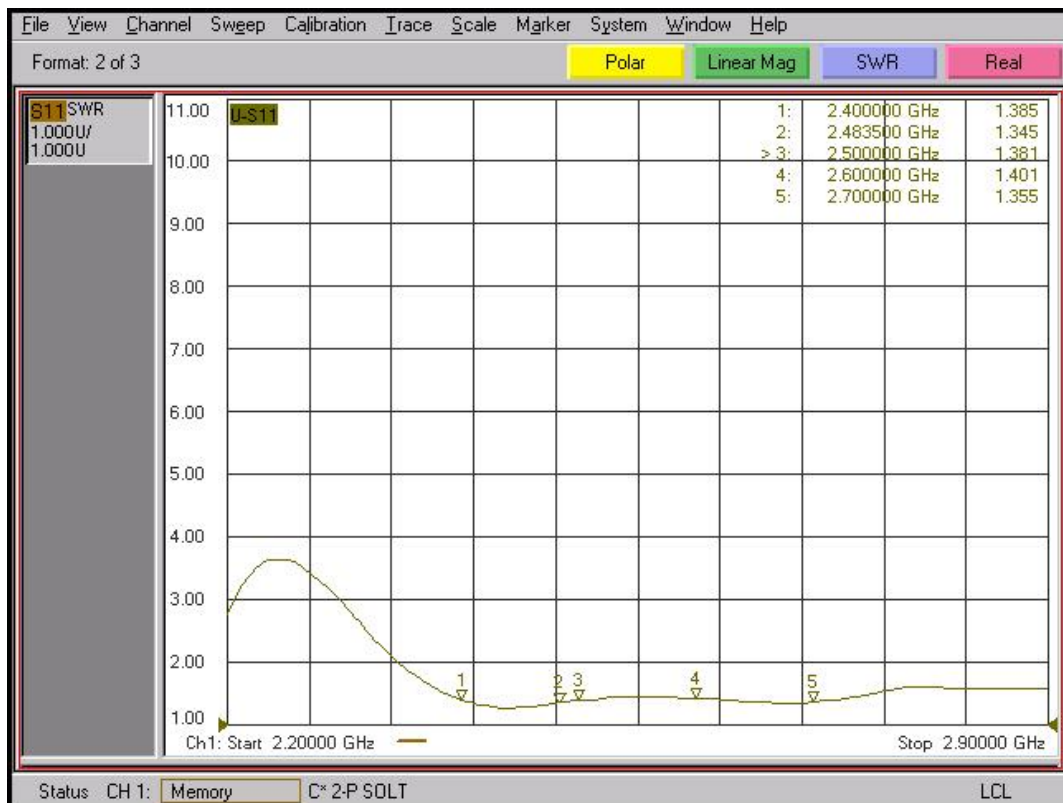


Fig 3. Smith Chart (Agilent E8358A 300KHz~9GHz PNA Series Network Analyzer)

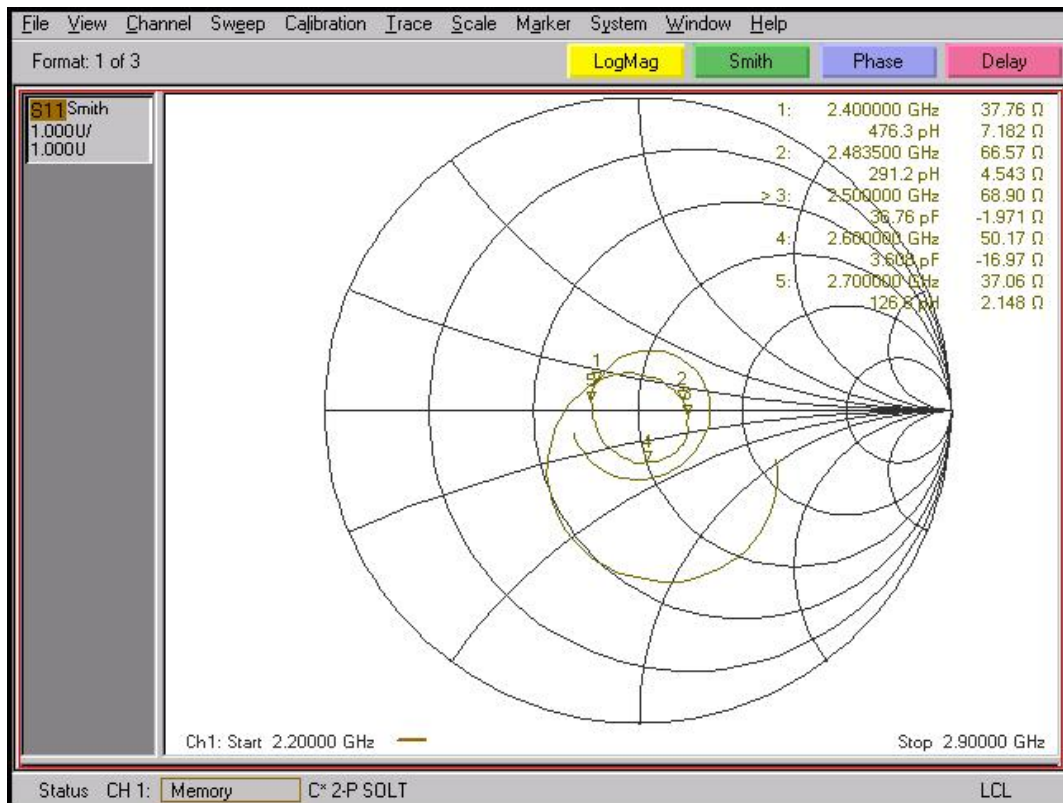


Fig 4. Measurement Configuration

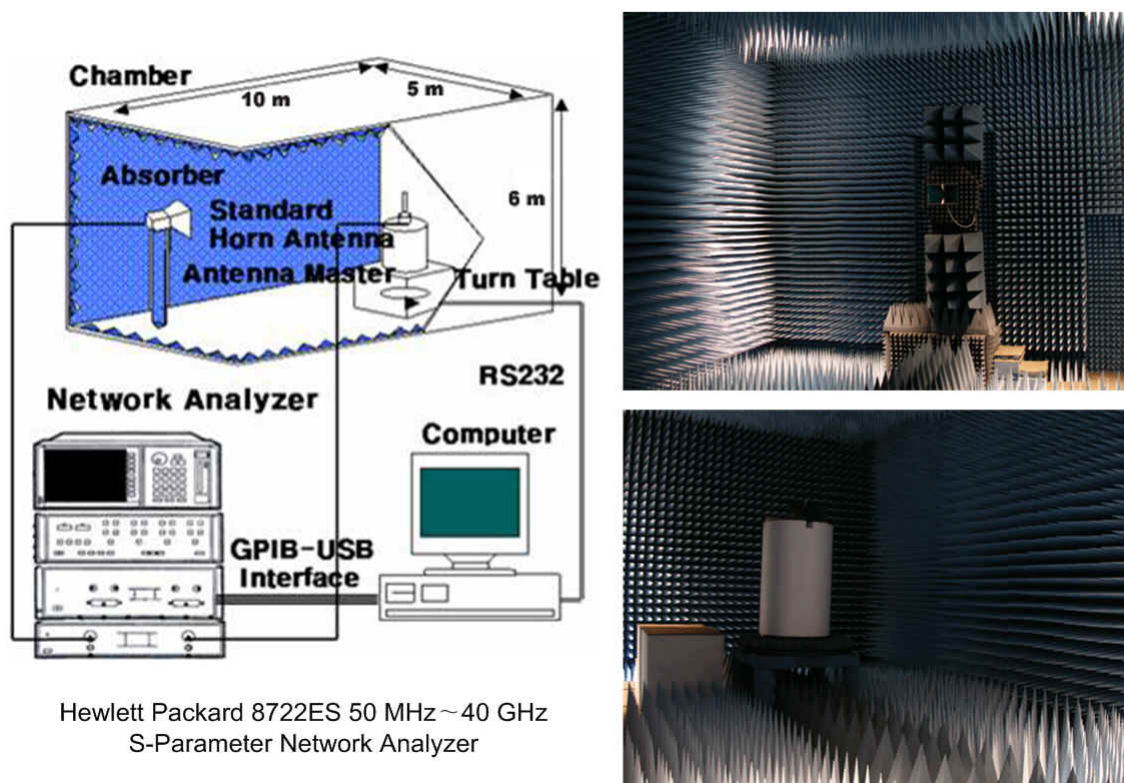


Fig 5. Axis Definitions (Antenna Center)

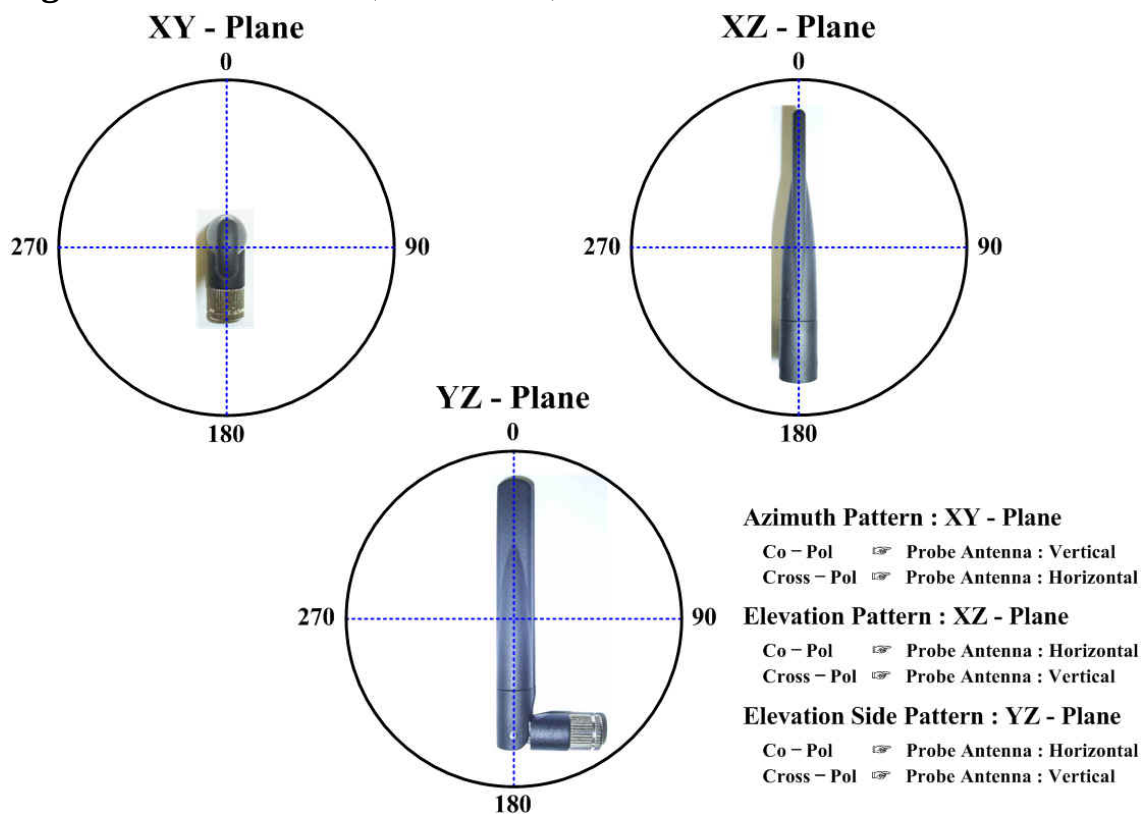
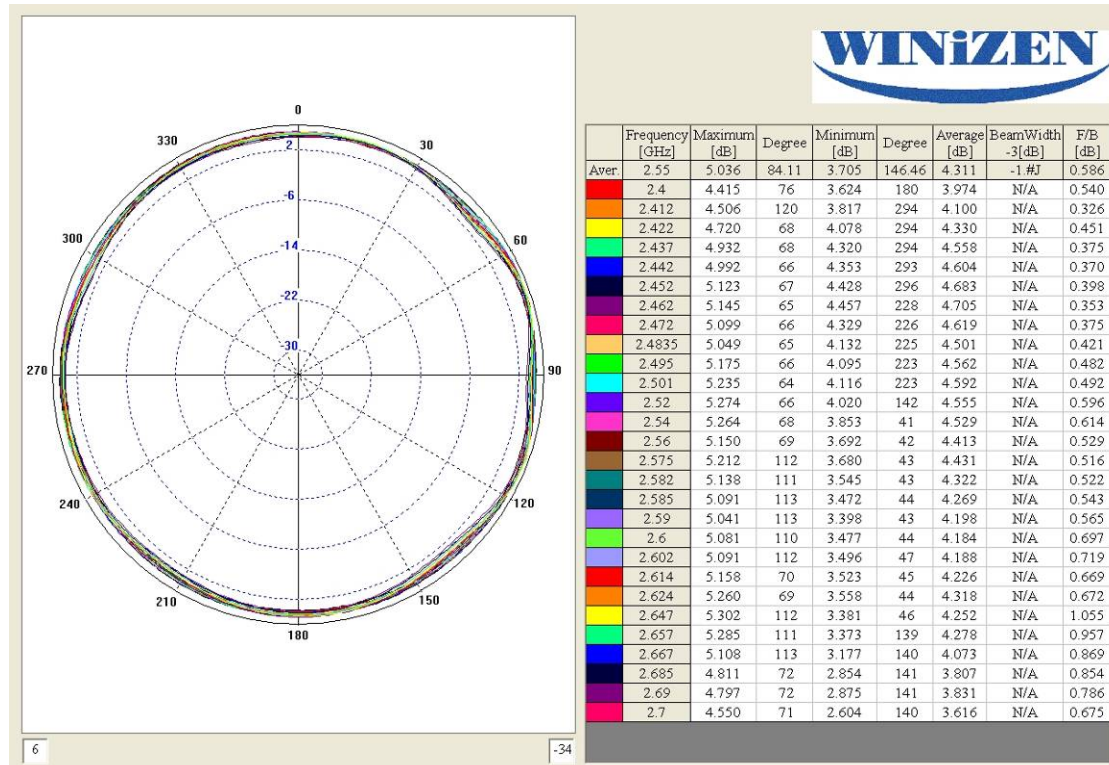
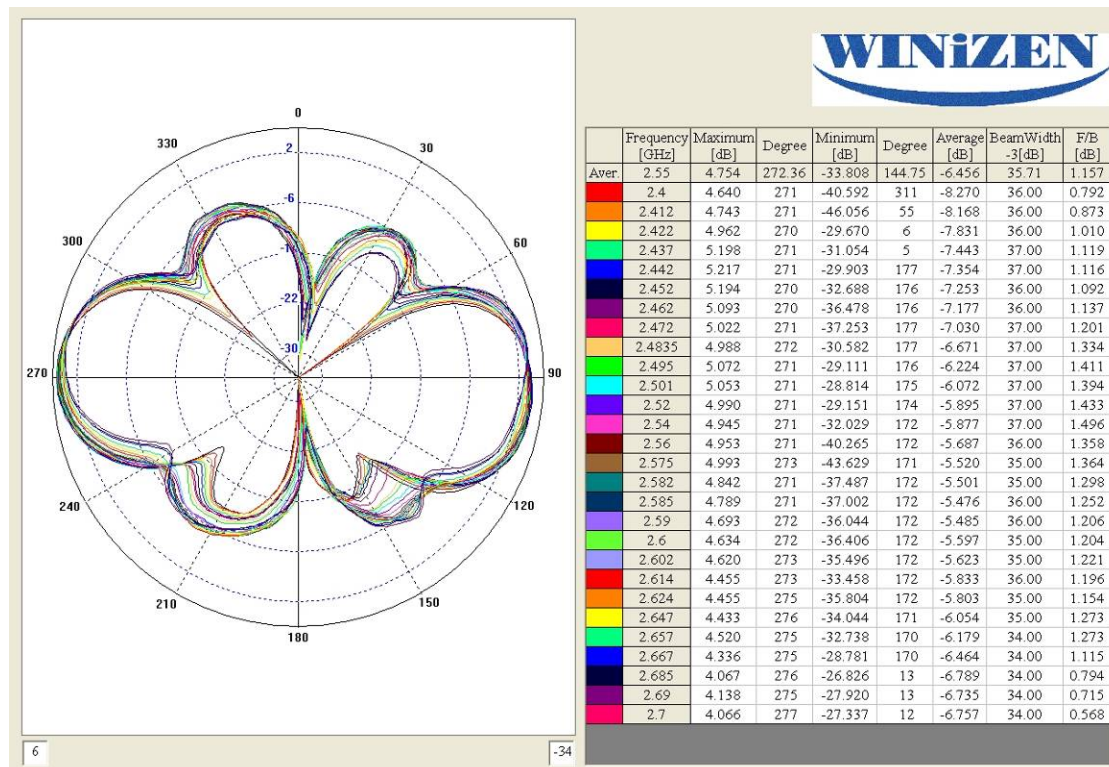


Fig 6. Gain Patterns

a. Azimuth Pattern



b. Elevation Pattern



c. Elevation Side Pattern

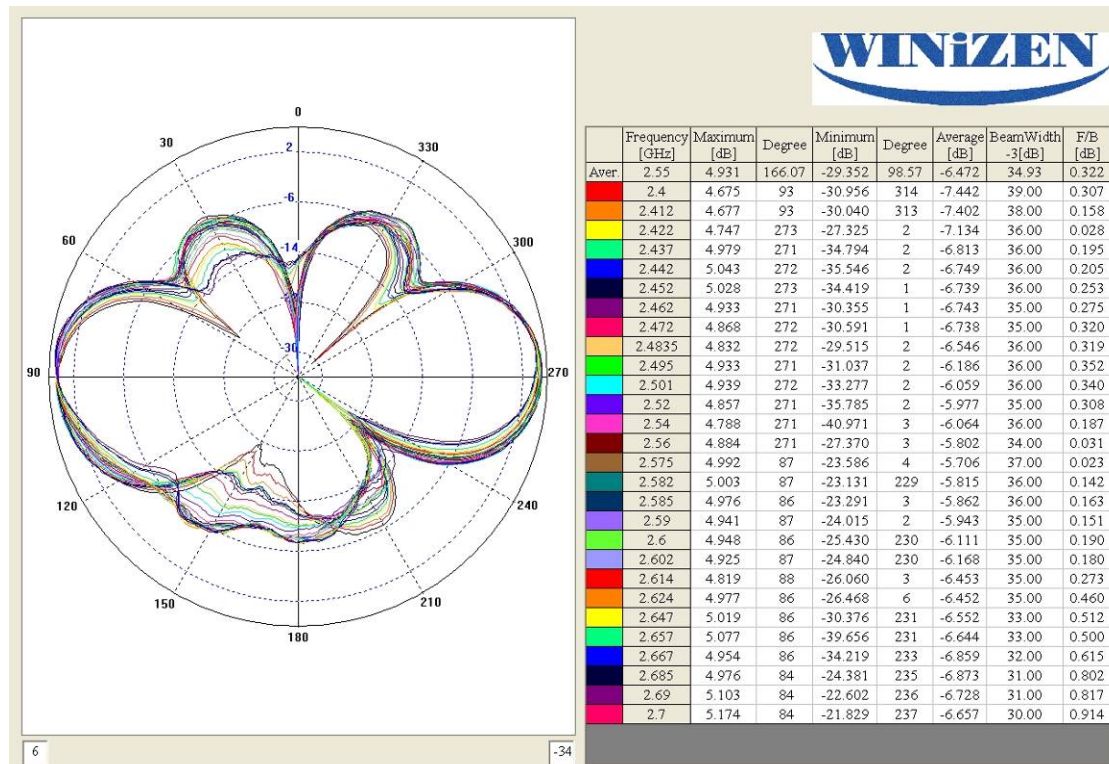


Fig 7. Mechanical Drawing

