



Specifications Sheet

Object	External Dipole Antenna	Page	1 of 5
Customer		Date	June 21, 2005
System	WIBRO	Rev.	IR
Model Name	WE - 2305TO	Written by	

Electrical Specifications

Frequency Range (MHz)	2300 ~ 2400
Band Width (MHz)	100
V.S.W.R (Min)	1.9 : 1
Gain (Max)	4 ± 0.5 (dBi)
Input Impedance	50 (Ω)
Polarization	Linear

Mechanical Specifications

Antenna Size (Width x Length x Height)	182.5 × 10 mm
Weight	N / A
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)

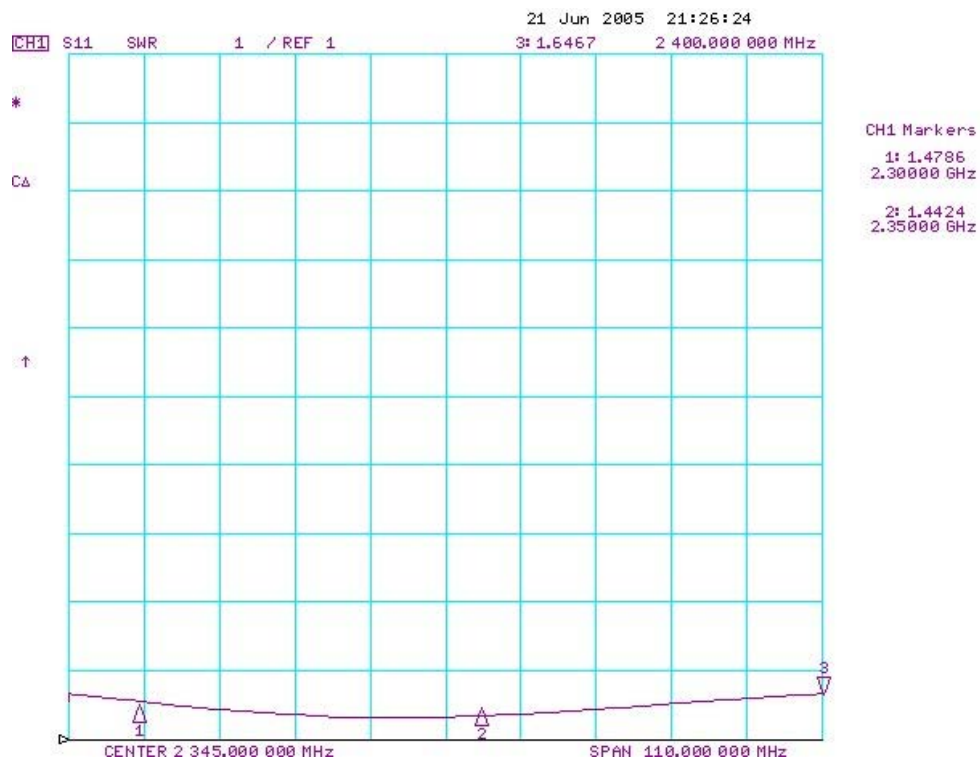


Fig 3. Smith Chart (Agilent E8357A 300KHz ~ 6GHz PNA Series Network Analyzer)

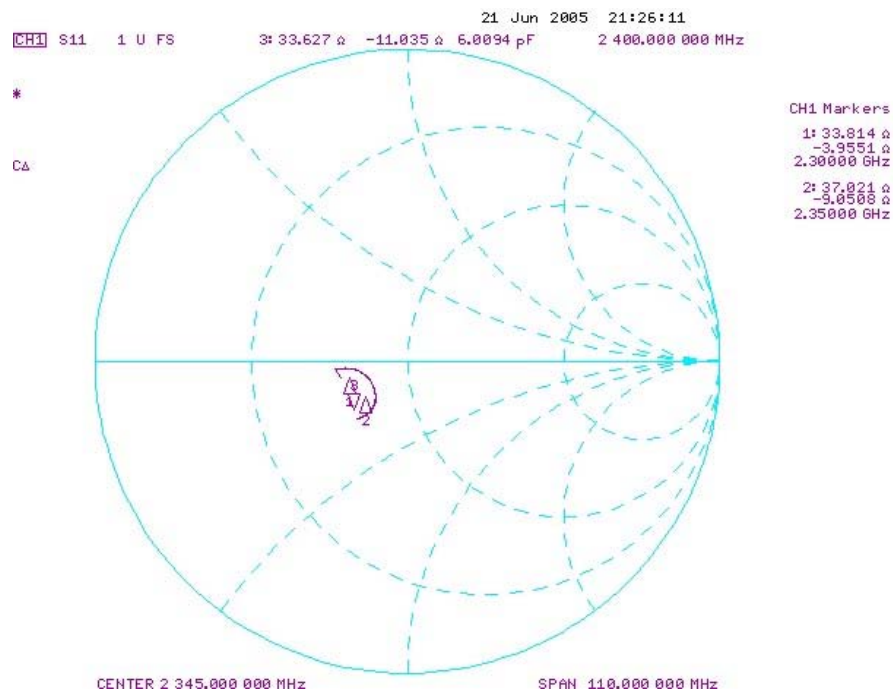


Fig 4. Measurement Configuration

(Hewlett Packard 8722ES 50 MHz ~ 40 GHz S-Parameter Network Analyzer)

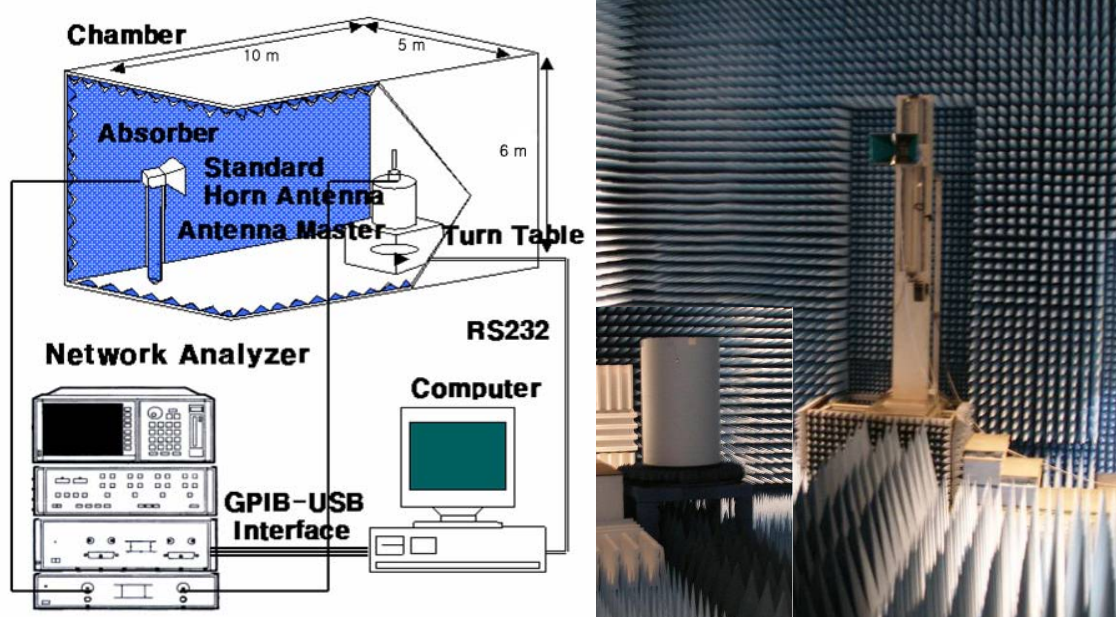


Fig 5. Axis Definitions (Antenna Center)

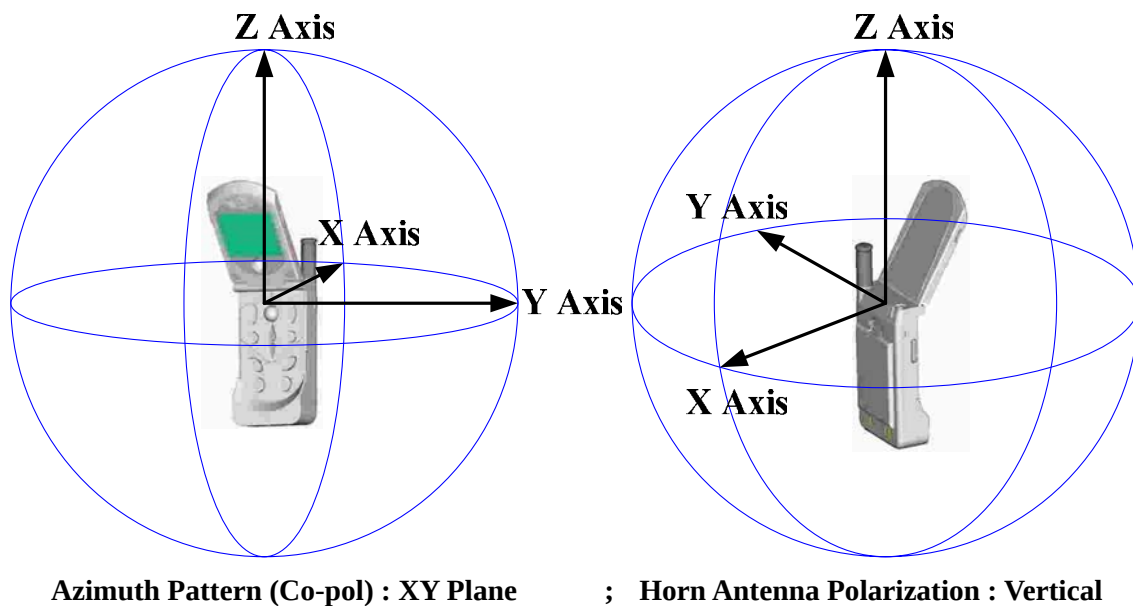


Fig 6. Gain Pattern (Azimuth)

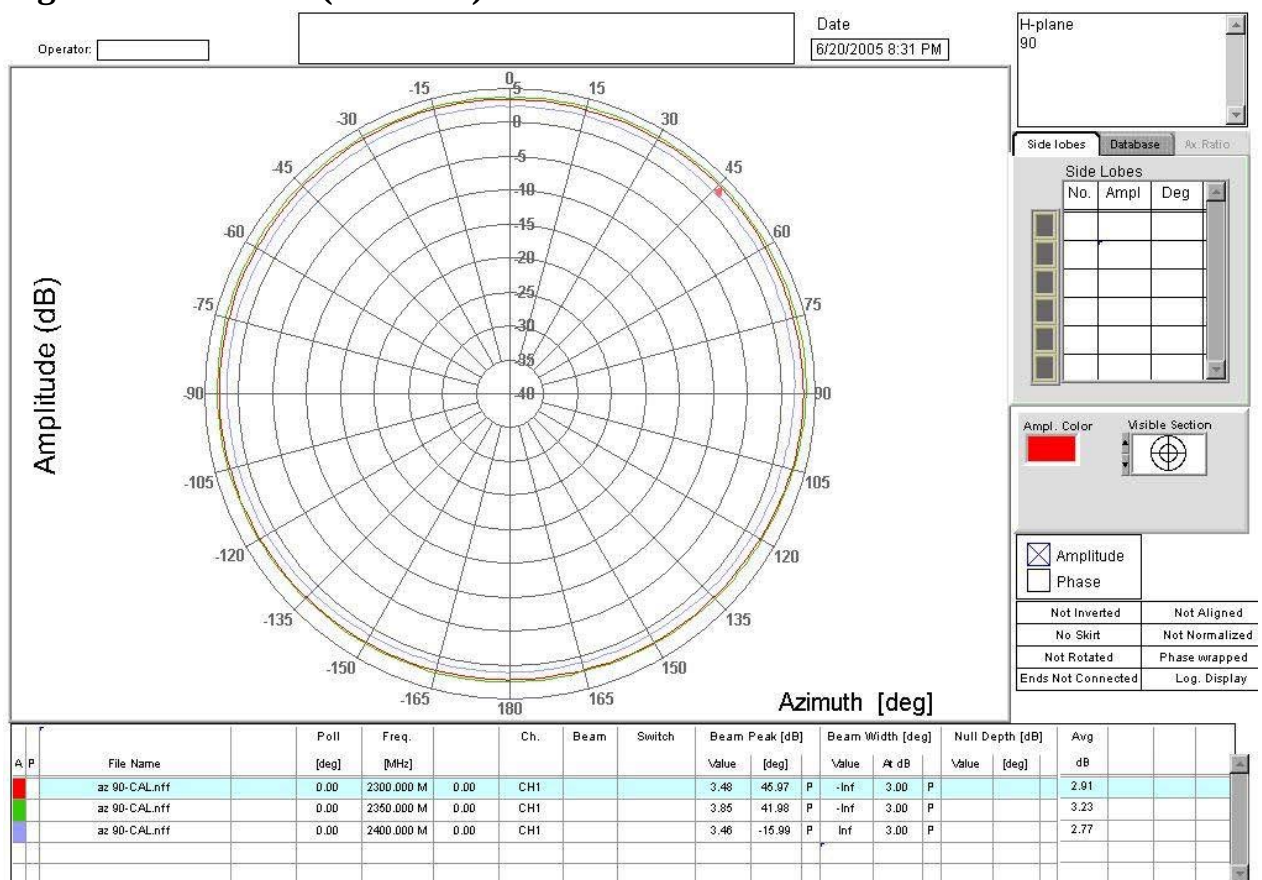


Fig 7. Antenna Mechanical

