



Specifications Sheet

Object	Dipole Antenna	Page	1 of 6
Customer		Date	October 18, 2010
System	2.4 GHz	Ver.	IR
Model Name	W0E – WO-25	Written by	G. H. KIM

Electrical Specifications

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

Mechanical Specifications

Antenna Size (Length x Height)	194 × 13 mm
Connector	RP-SMA Male
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)

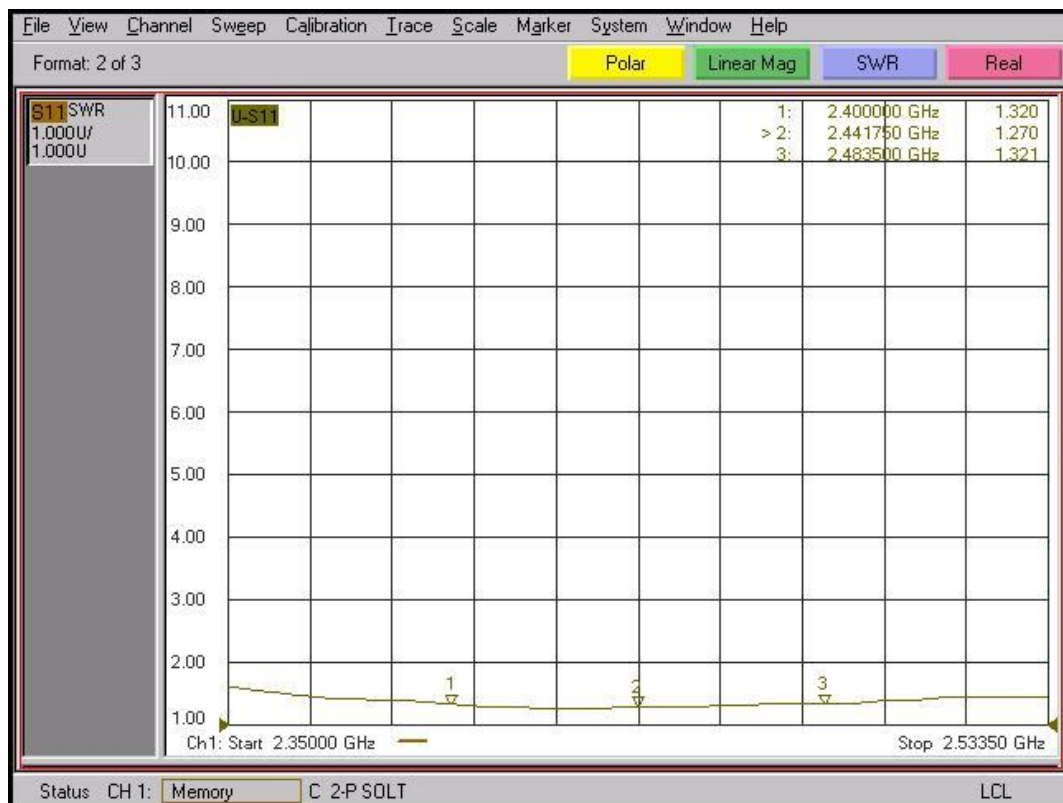


Fig 3. Smith Chart (Agilent E8358A 300KHz~9GHz PNA Series Network Analyzer)

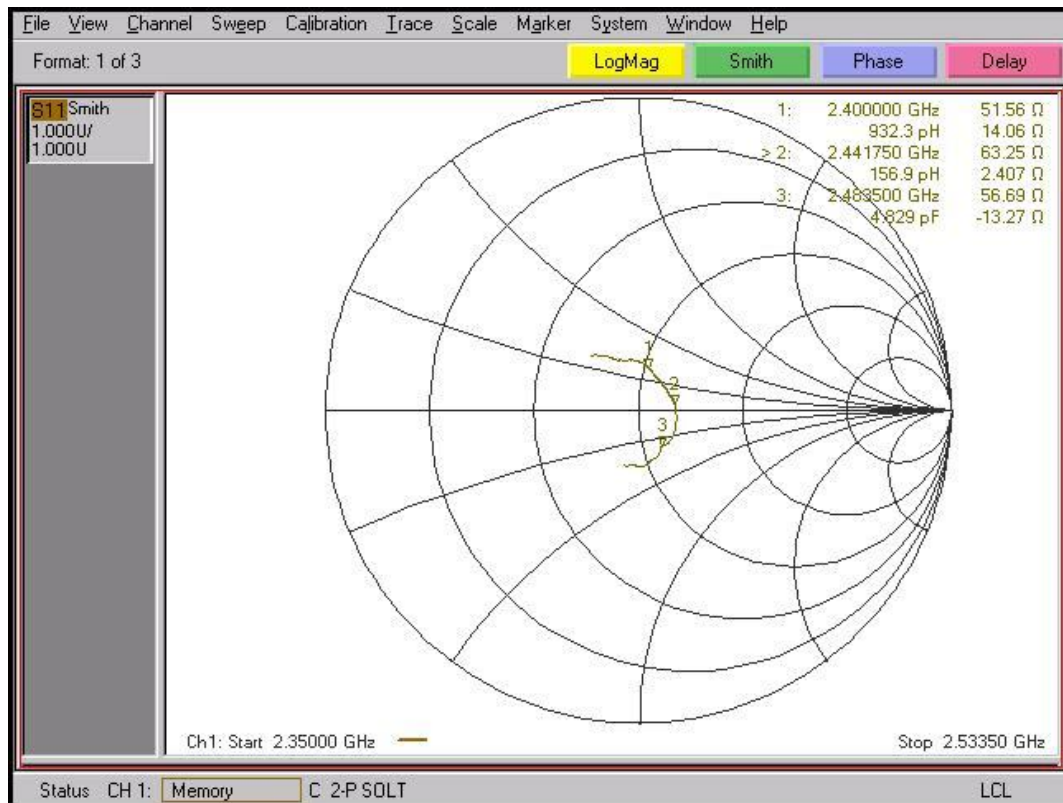


Fig 4. Measurement Configuration

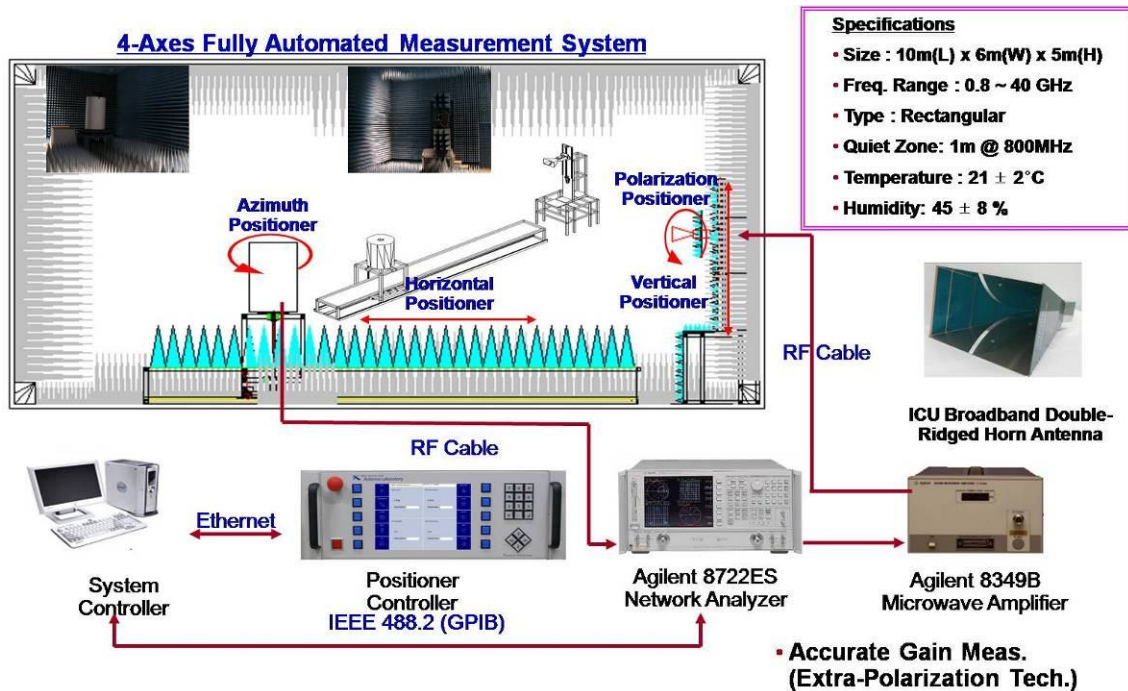


Fig 5. Axis Definitions (Antenna Center)

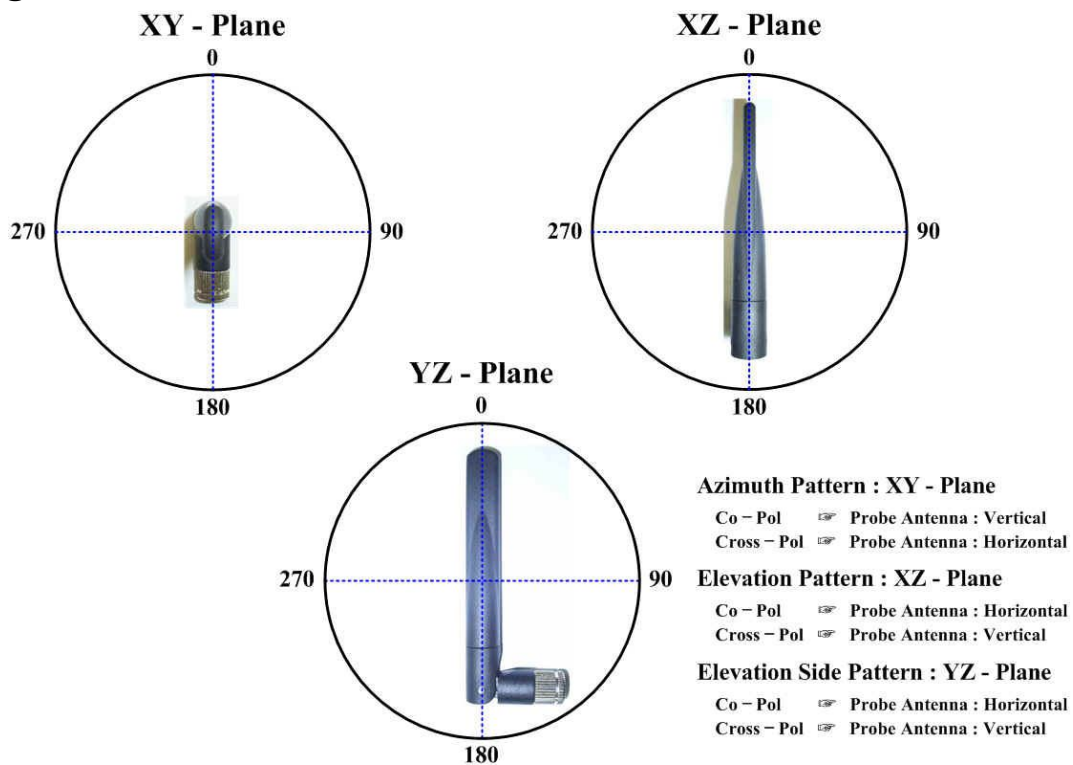
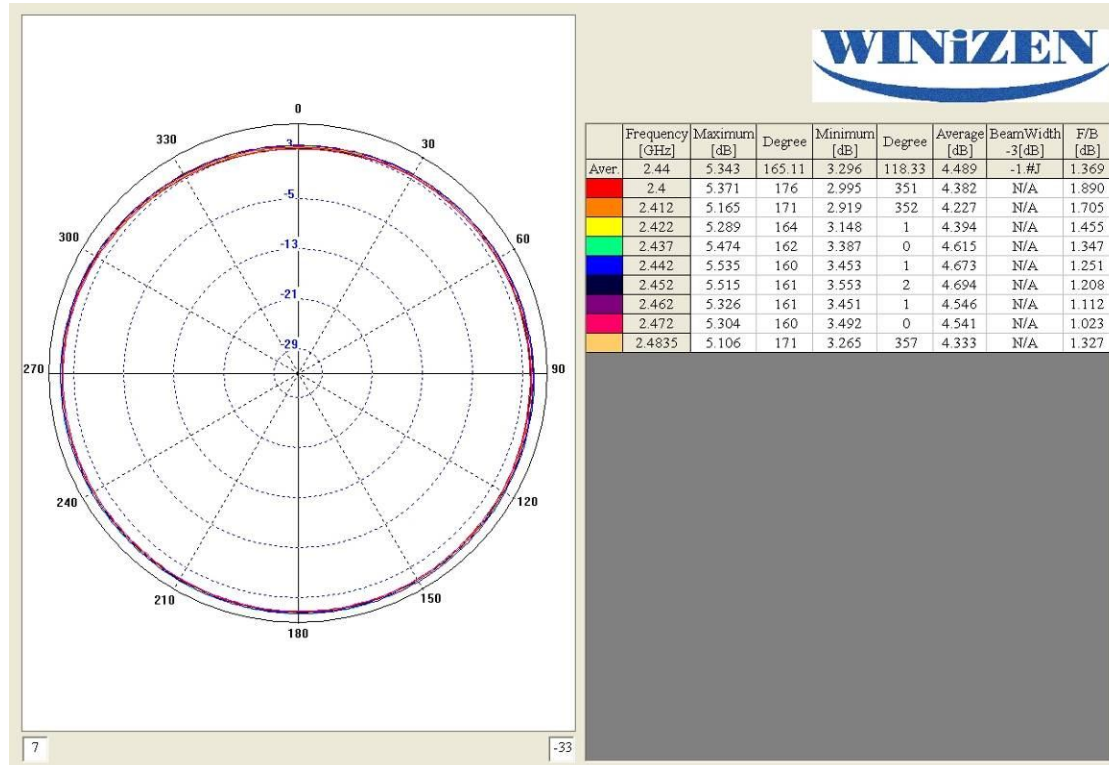
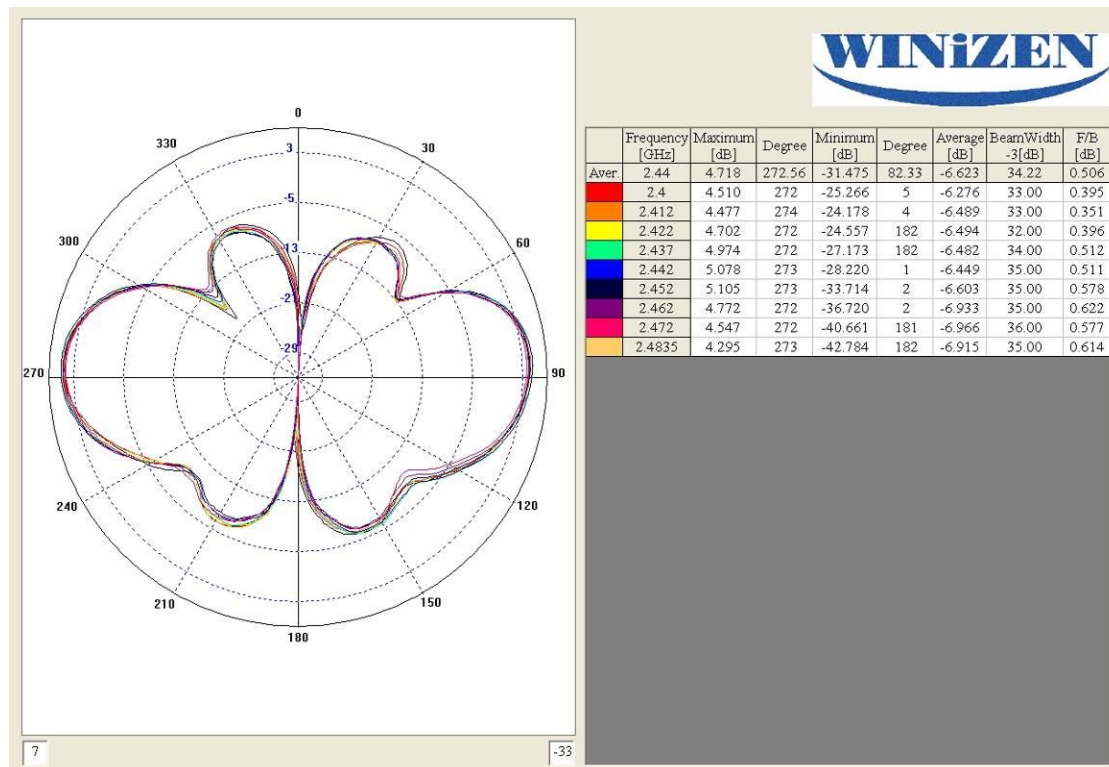


Fig 6. Gain Patterns

a. Azimuth Pattern ; Co – pol



b. Elevation Pattern ; Co – pol





c. Elevation Side Pattern ; Co – pol

