



Specifications Sheet

Object	Dipole Antenna	Page	1 of 7
Customer		Date	March 30, 2011
System	WIFI 2.4/5 GHz Dual-band	Ver.	IR
Model Name	W1E – WO – 08	Written by	G. H. KIM

Electrical Specifications

Frequency Range (MHz)	2400 ~ 2483.5	5150 ~ 5875
Band Width (MHz)	83.5	725
V.S.W.R (Min)	1.9 : 1	1.9 : 1
Gain (Max)	2.5 ± 1 (dBi)	3.5 ± 1 (dBi)
Input Impedance	50 (Ω)	
Polarization	Linear	

Mechanical Specifications

Antenna Size (Length x Diameter)	105 × 11
Connector	SMA Reverse Polarity (Female)
Weight	N/A
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)

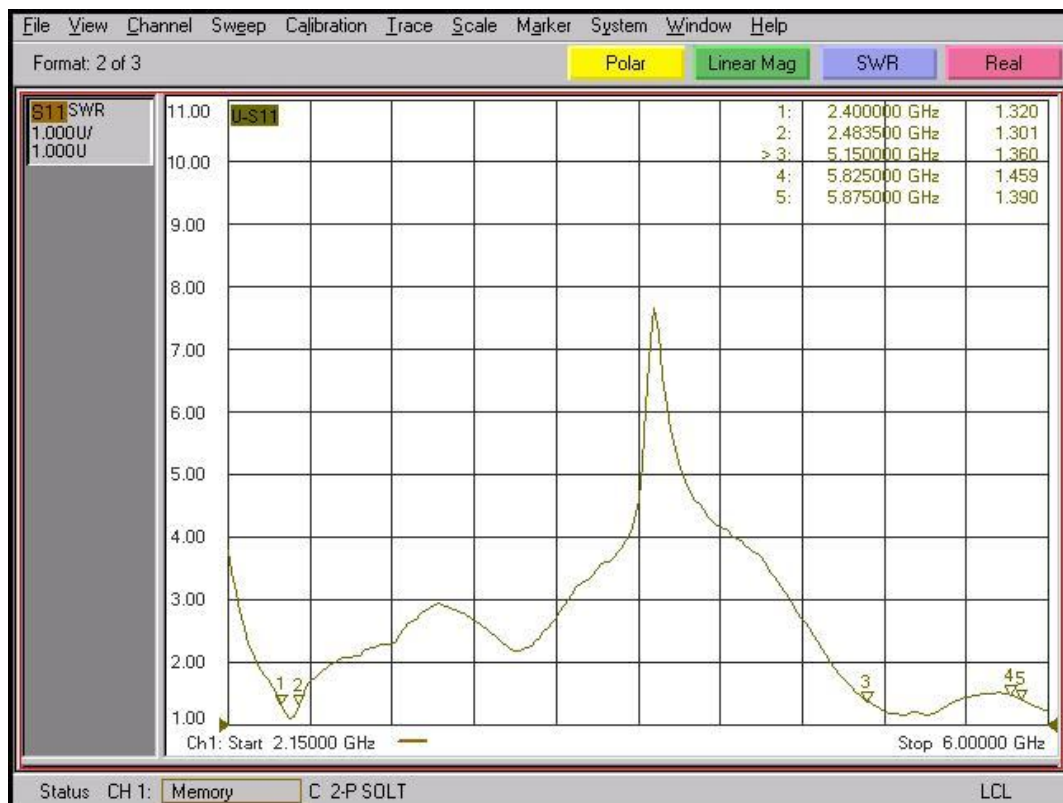


Fig 3. Smith Chart (Agilent E8358A 300KHz~9GHz PNA Series Network Analyzer)

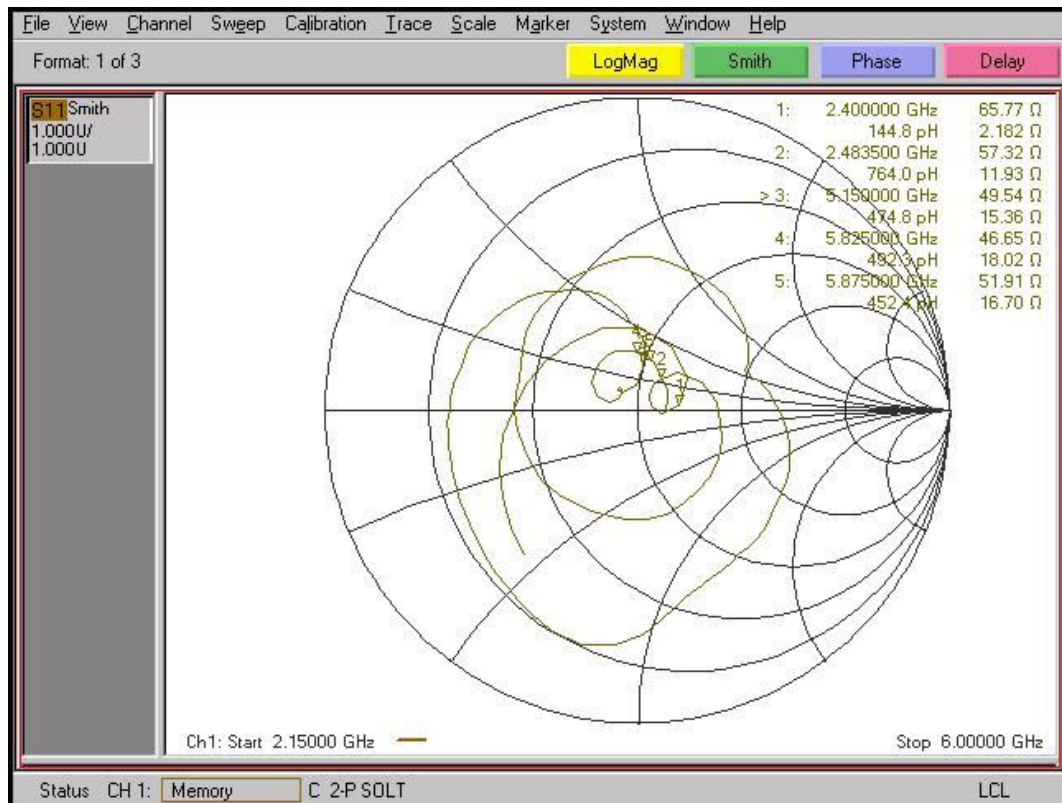


Fig 4. Measurement Configuration

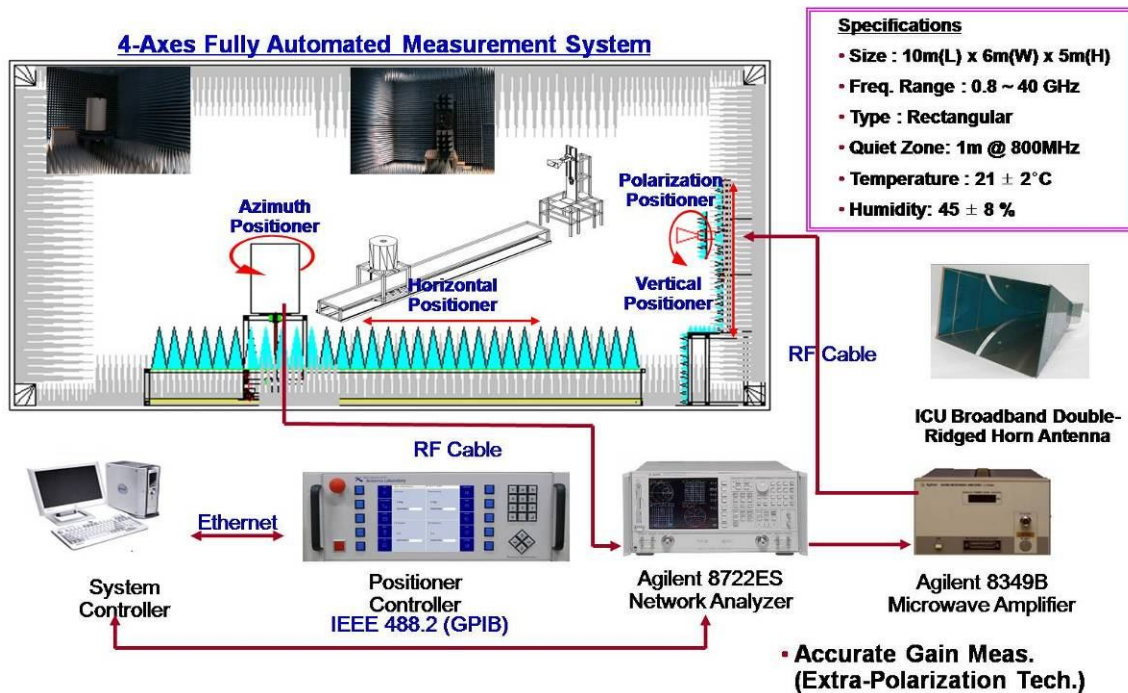


Fig 5. Axis Definitions (Antenna Center)

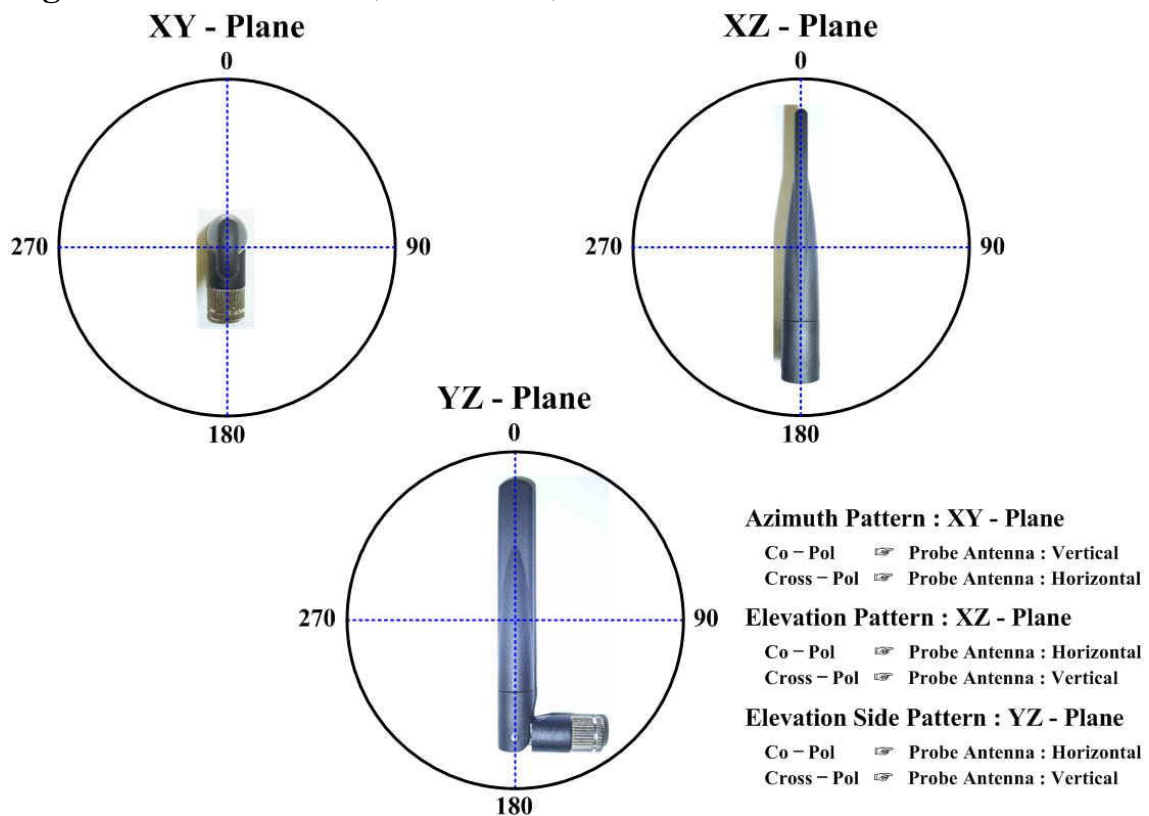
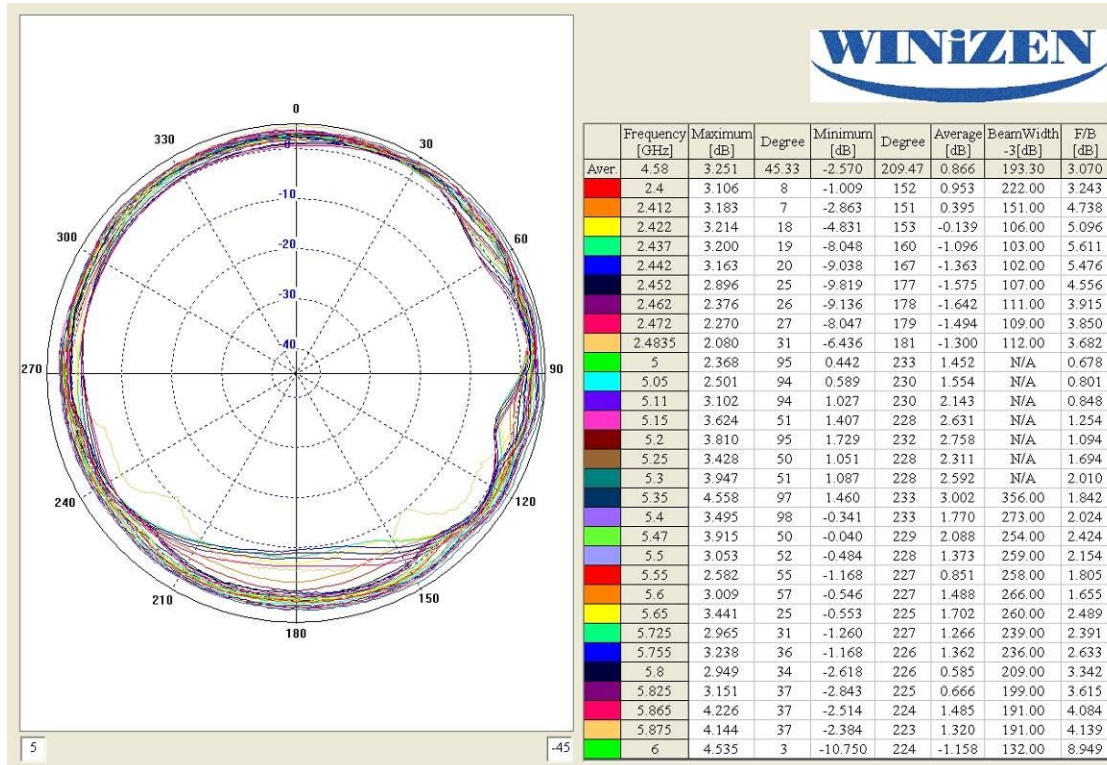
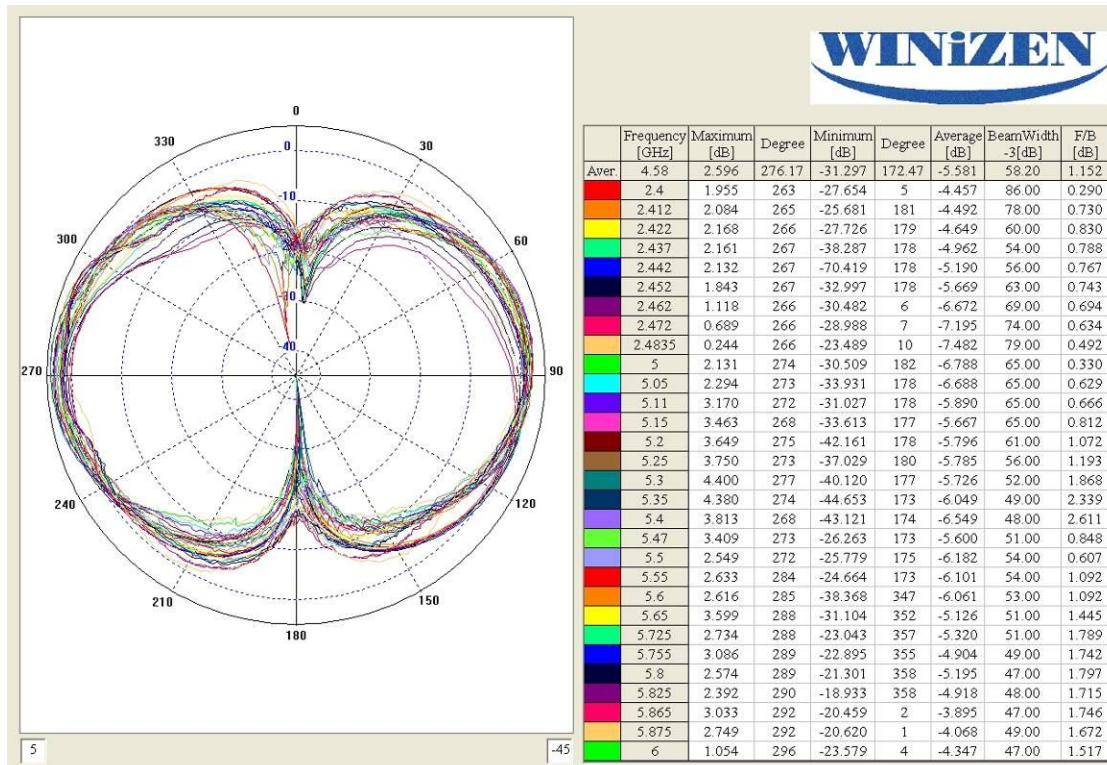


Fig 6. Gain Patterns

a. Azimuth Pattern ; Co – Pol



b. Elevation Pattern ; Co – Pol





c. Elevation Side Pattern ; Co – Pol

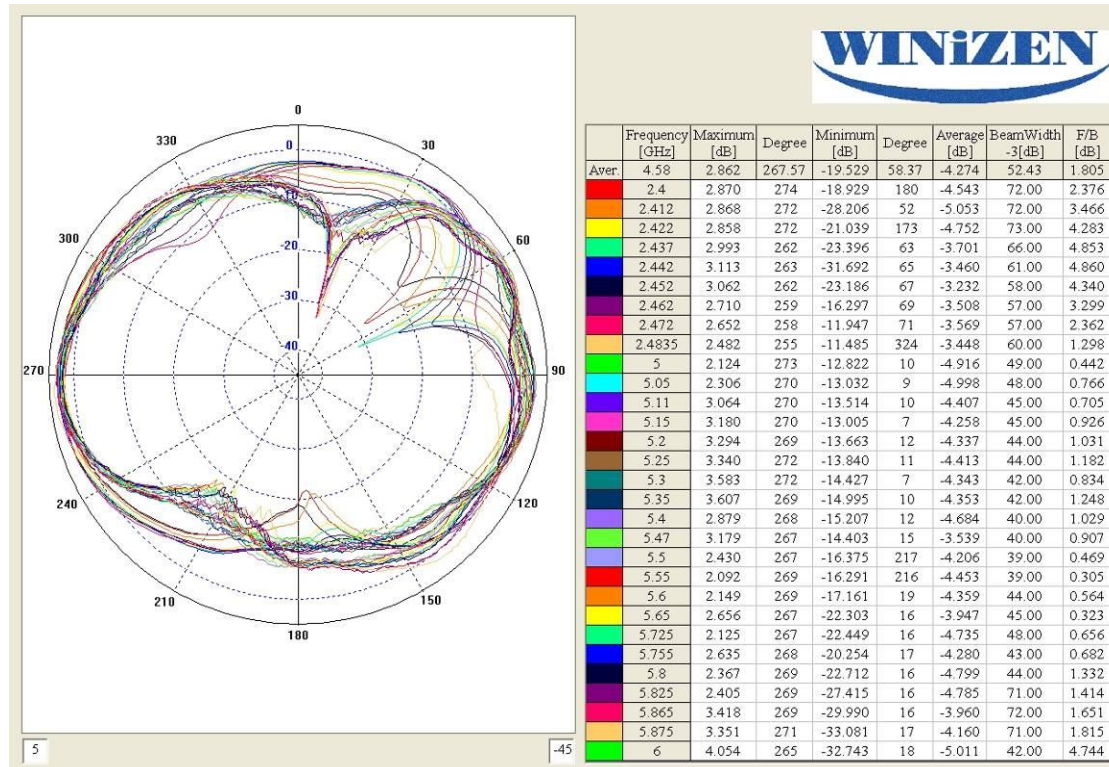


Fig 7. Drawing

