



Specifications Sheet

Object	Dipole Antenna	Page	1 of 7
Customer		Date	August 24, 2009
19System	WiMAX 3.7 GHz	Rev.	E
Model Name	W8E – W37 – 33W	Written by	G. H. KIM

Electrical Specifications

Frequency Range (MHz)	3600 ~ 3800
Band Width (MHz)	200
V.S.W.R (Min)	1.9 : 1
Gain (Max)	5.5 ± 1 (dBi)
Input Impedance	50 (Ω)
Polarization	Linear

Mechanical Specifications

Antenna Size (Length x Diameter)	180 × 11 mm
Weight	16 (g)
Connector	SMA Male ; 11 Ø
Operation Temperature	- 30 ~ 70 (°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)

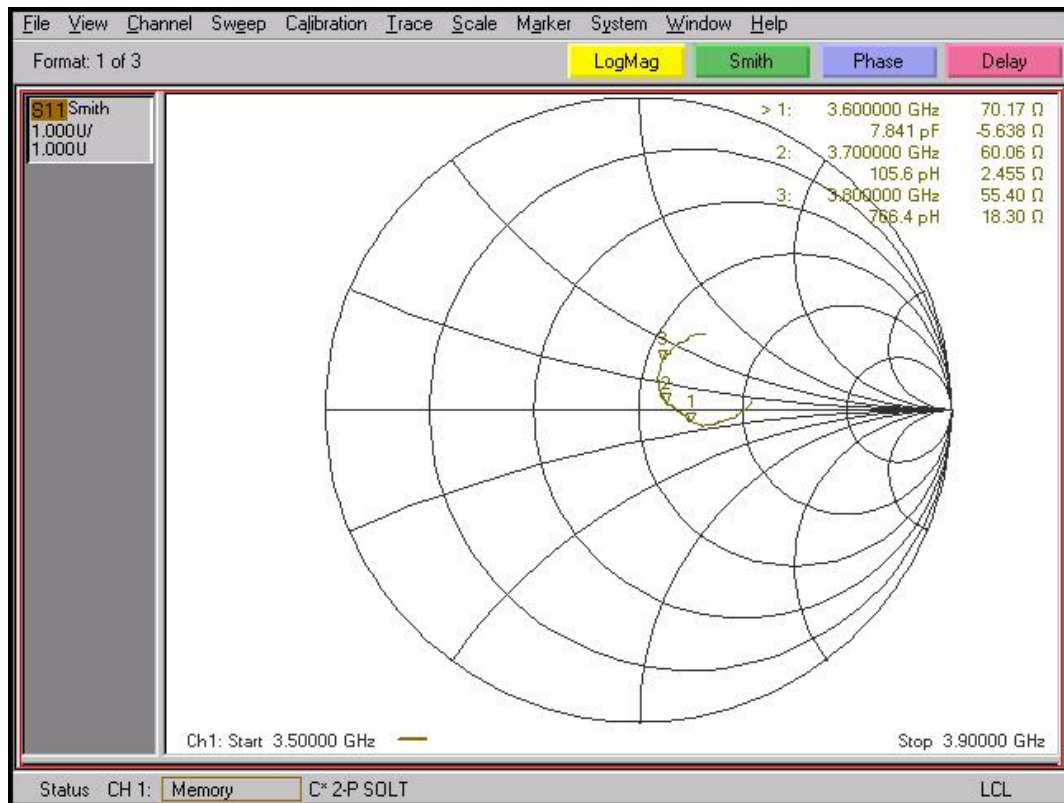


Fig 4. Measurement Configuration

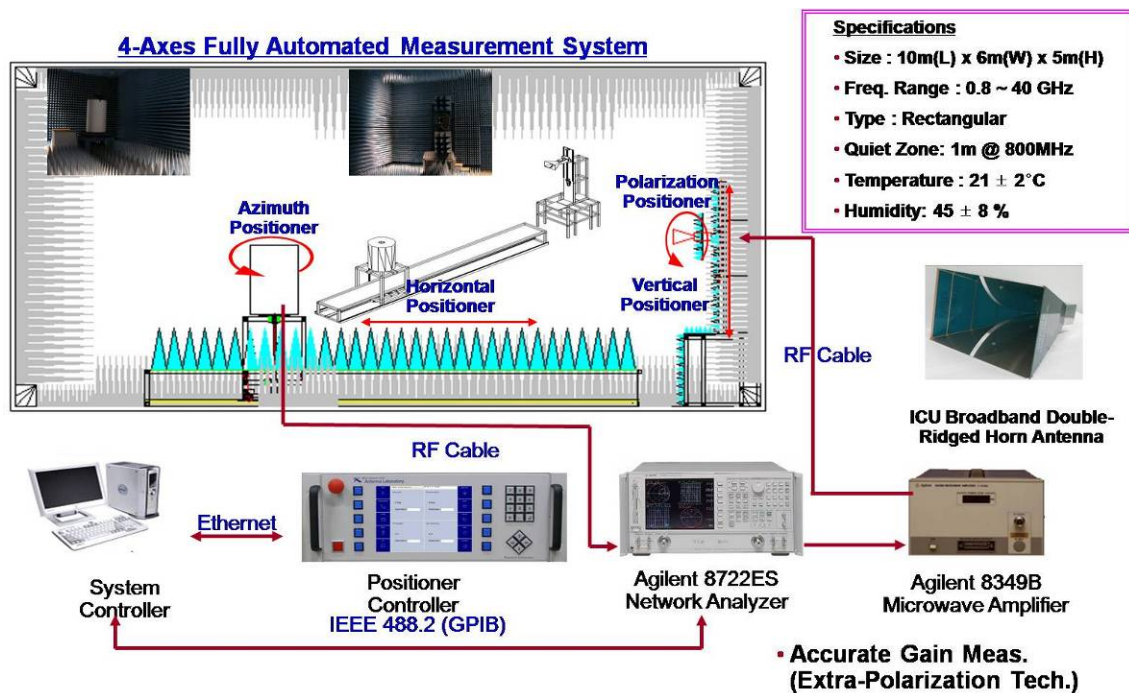


Fig 5. Axis Definitions (Antenna Center)

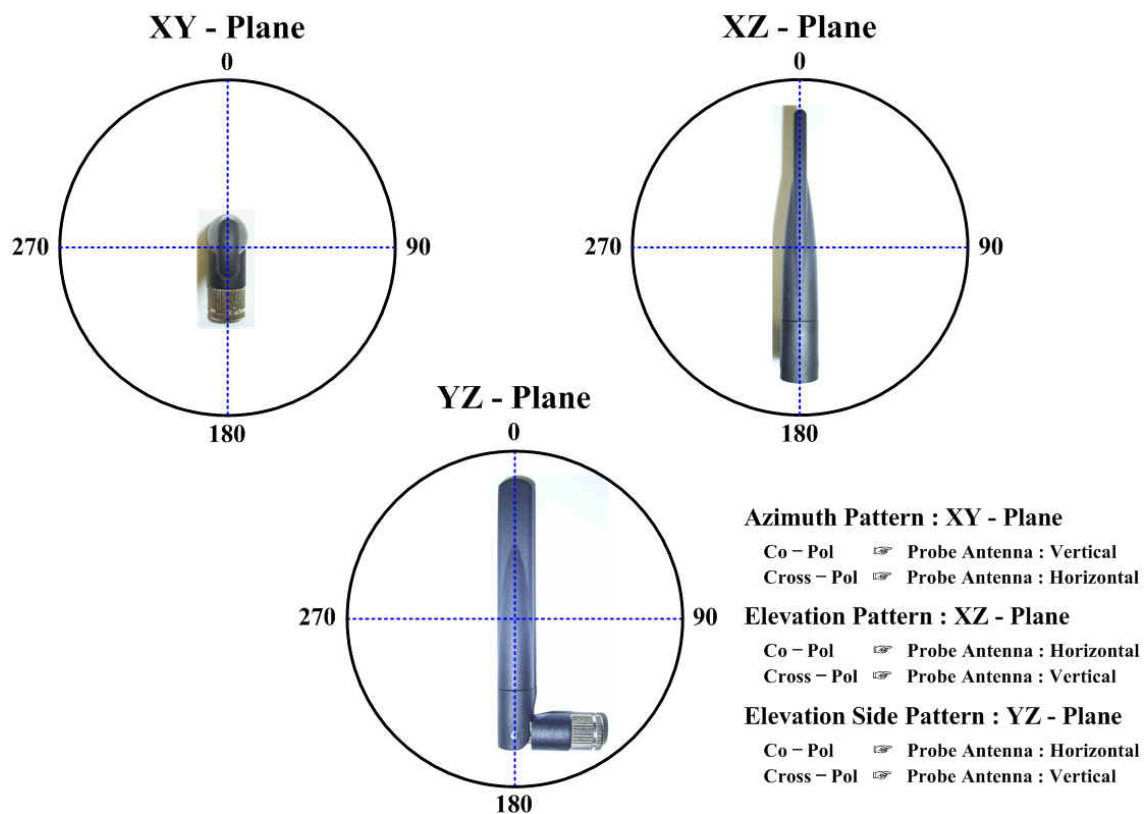
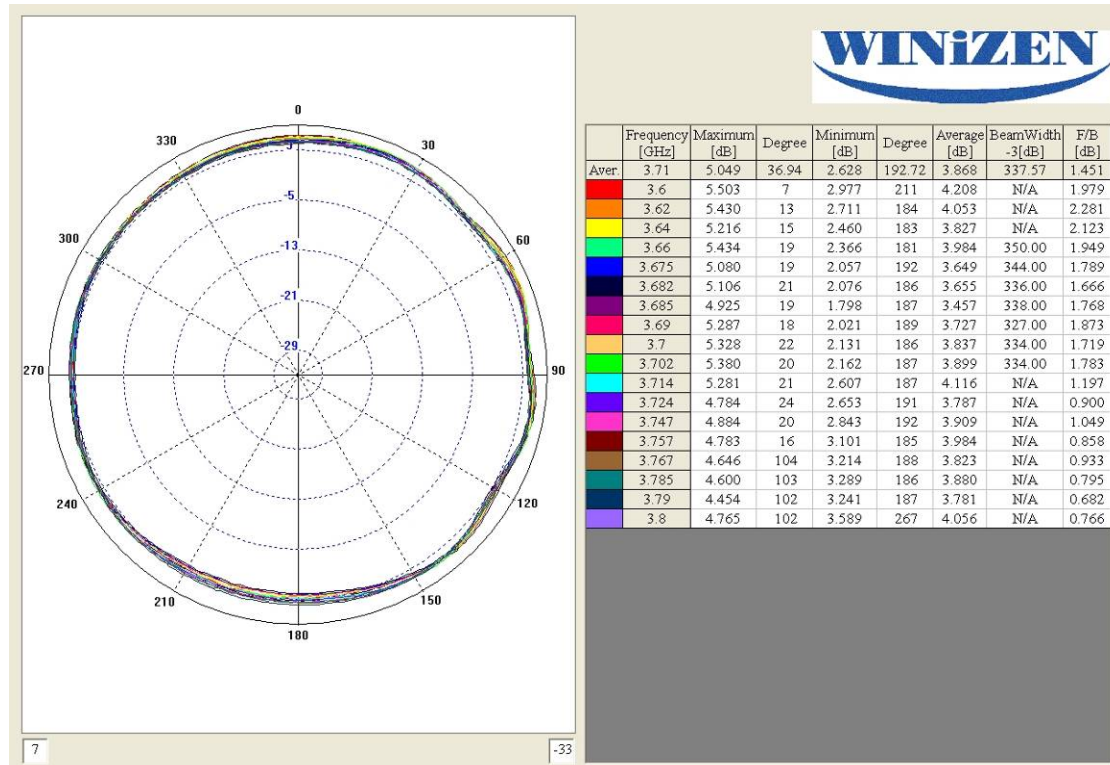
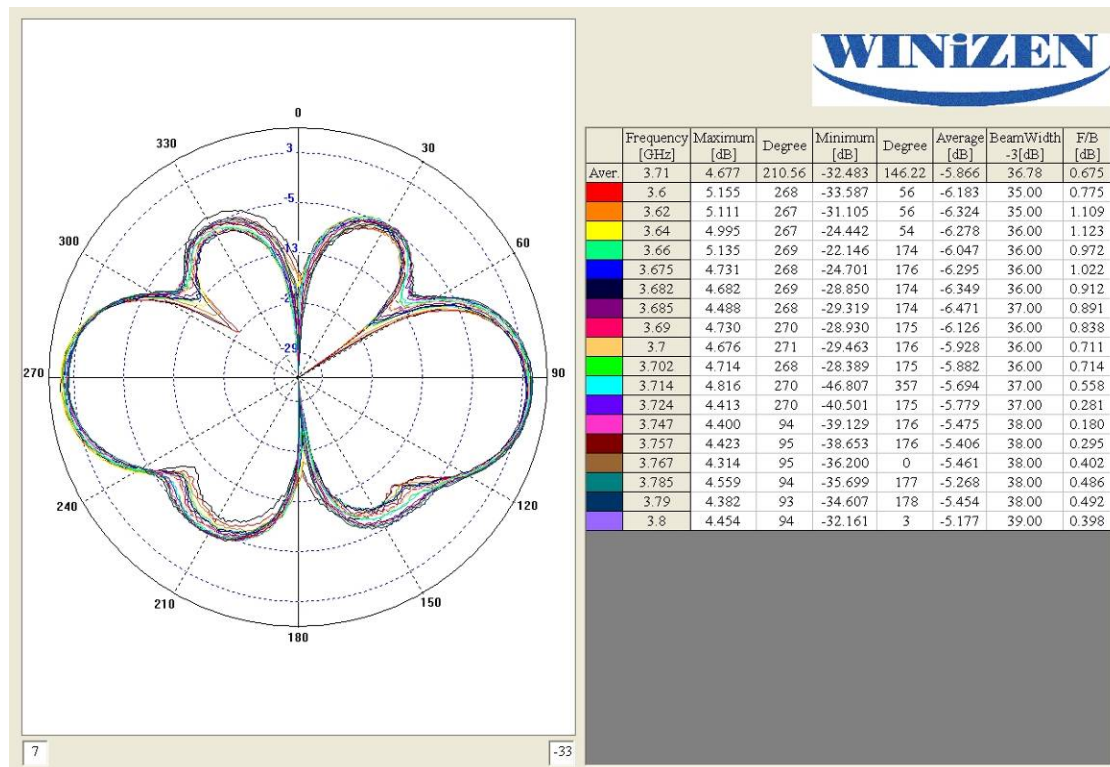


Fig 6. Gain Patterns

a. Azimuth Pattern ; Co – pol



b. Elevation Pattern ; Co – pol



c. Elevation Side Pattern ; Co – pol

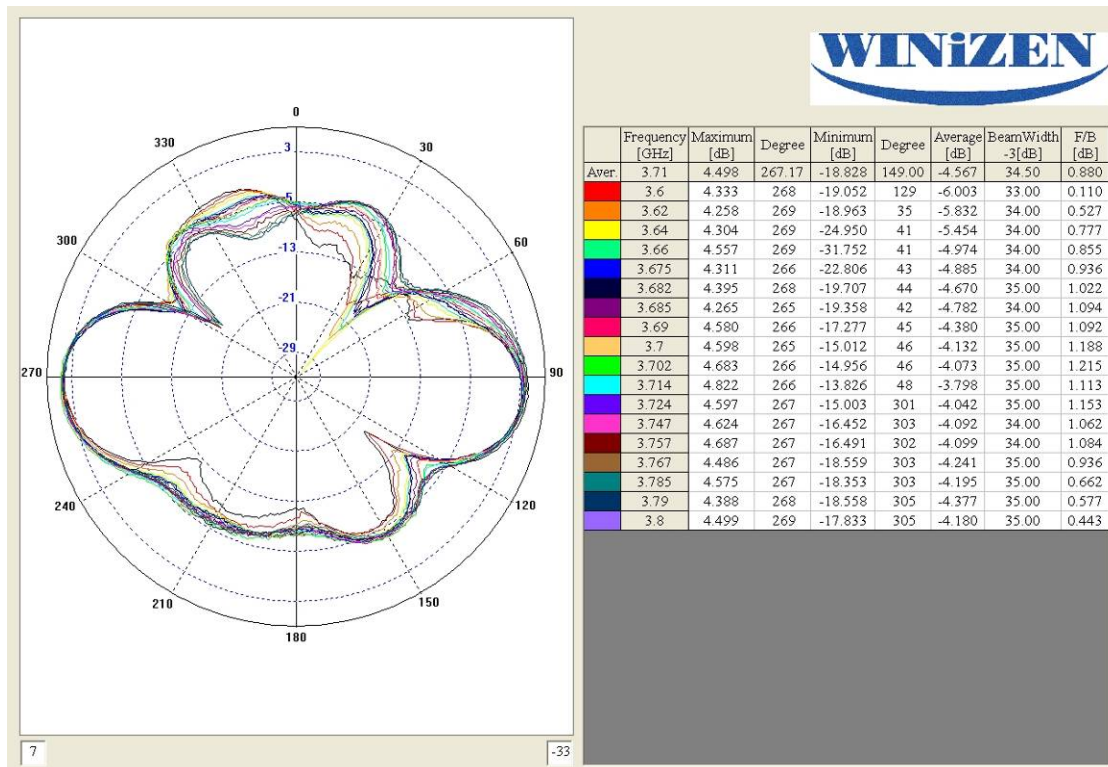


Fig 7. Mechanical Drawing

