



Specifications Sheet

Object	Dipole Antenna	Page	1 of 7
Customer		Date	May 16, 2009
System	WiMAX 2.6 GHz	Rev.	IR
Model Name	W9E – W26 – 06	Written by	G. H. KIM

Electrical Specifications

Frequency Range (MHz)	2500 ~ 2700
Band Width (MHz)	200
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	17.4 (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)

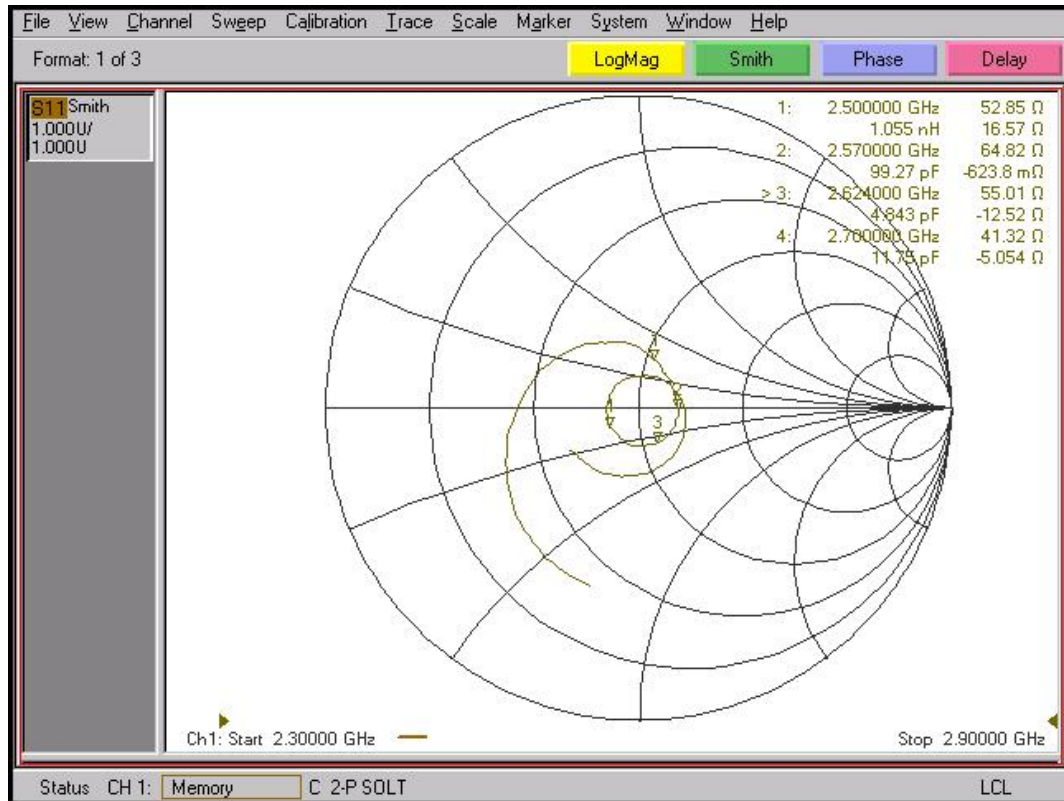


Fig 4. Measurement Configuration

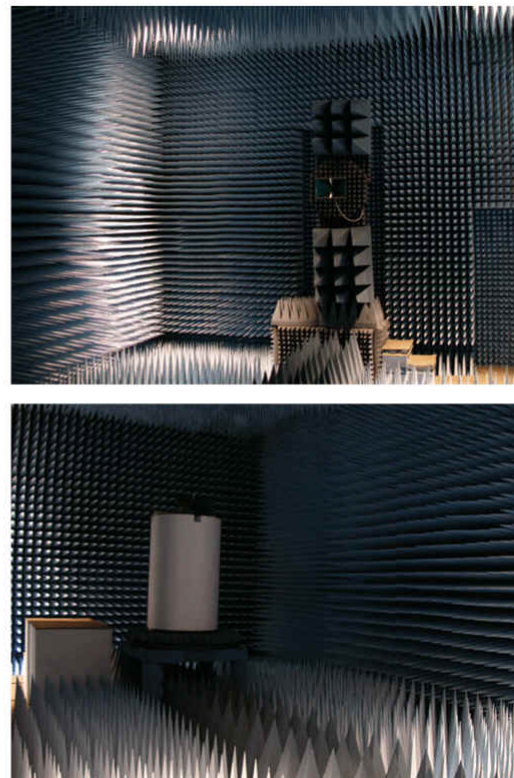
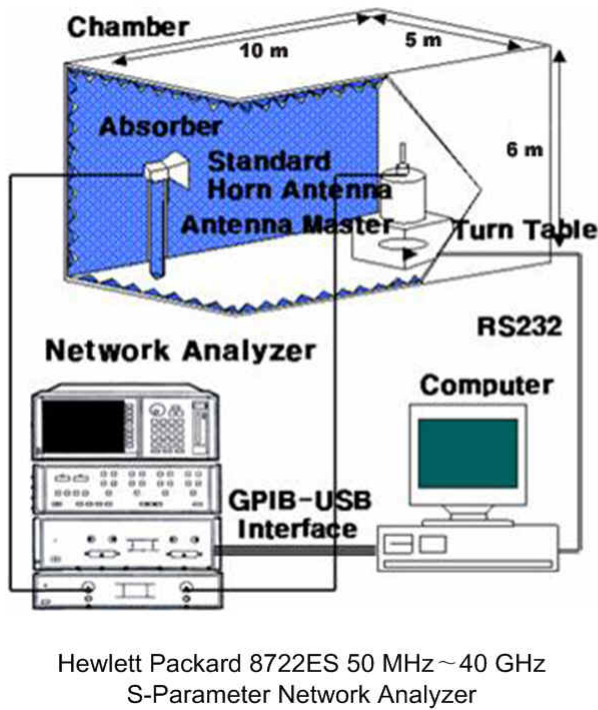


Fig 5. Axis Definitions (Antenna Center)

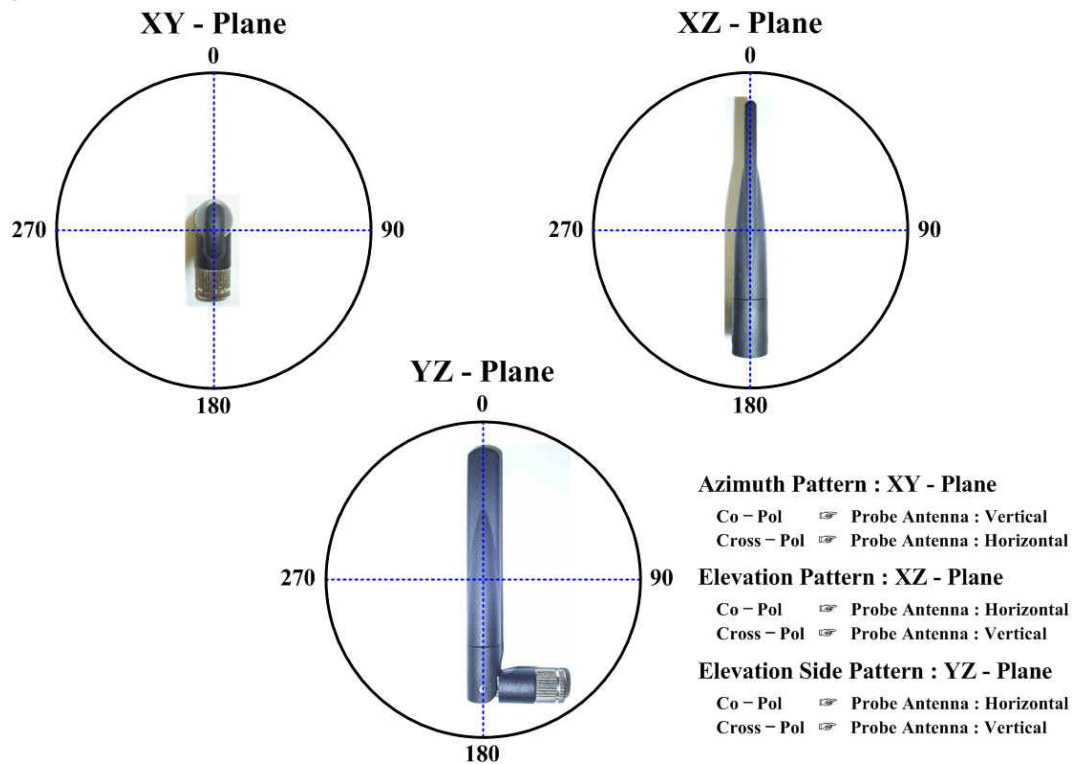
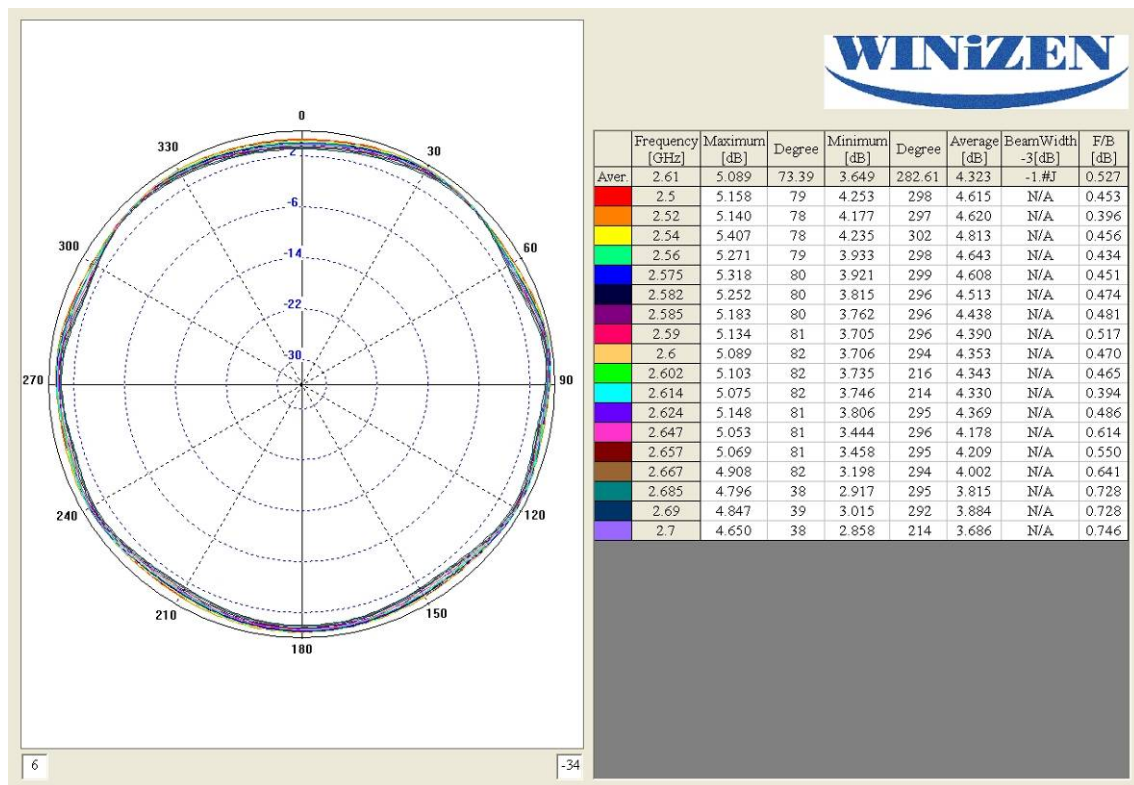


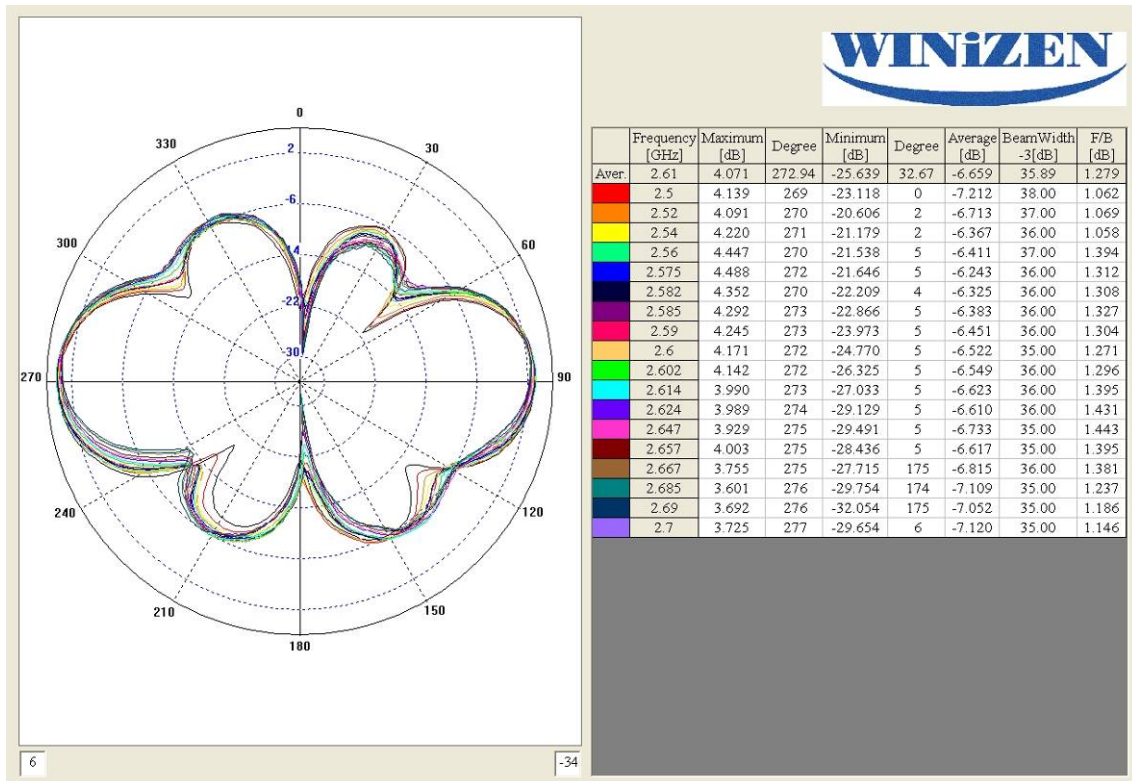
Fig 6. Gain Patterns

a. Azimuth Pattern





b. Elevation Pattern



c. Elevation Side Pattern

