

Specifications Sheet			
Object	Dipole Antenna	Date	Dec 31, 2007
System	WiMAX 2.6 GHz	Rev.	C
Model Name	W7E – W26 – 05	Written by	W. I. KWAK
Electrical Specifications			
Frequency Range (MHz)	2500 ~ 3100		
Band Width (MHz)	600		
V.S.W.R (Min)	1.9 : 1		
Gain (Max)	5.1 ± 1 (dBi)		
Input Impedance	50 (Ω)		
Polarization	Linear		
Mechanical Specifications			
Antenna Size (Width x Length x Height)	181 × 11 mm		
Connector	SMA Male		
Radiator Material	Copper		
Operation Temperature	– 30 ~ 70 (°C)		
Operation Humidity	10 ~ 90 (%)		
Option			
Remarks			

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)

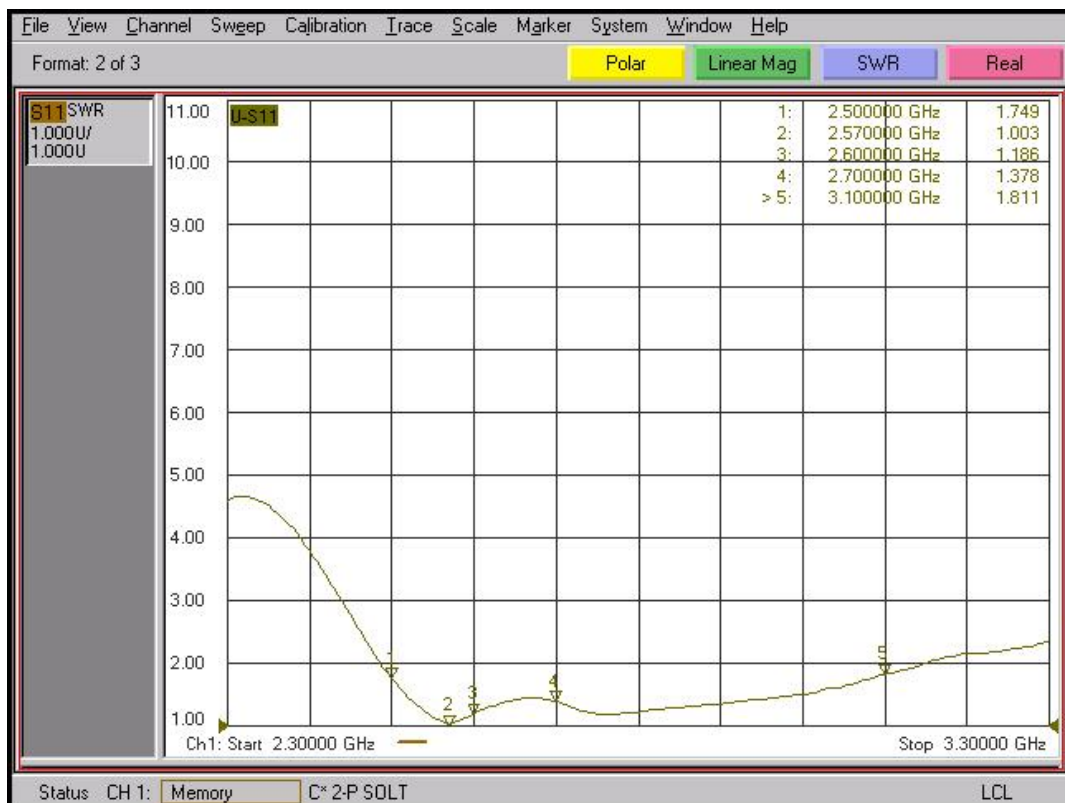


Fig 3. Smith Chart (Agilent E8357A 300KHz~6GHz PNA Series Network Analyzer)

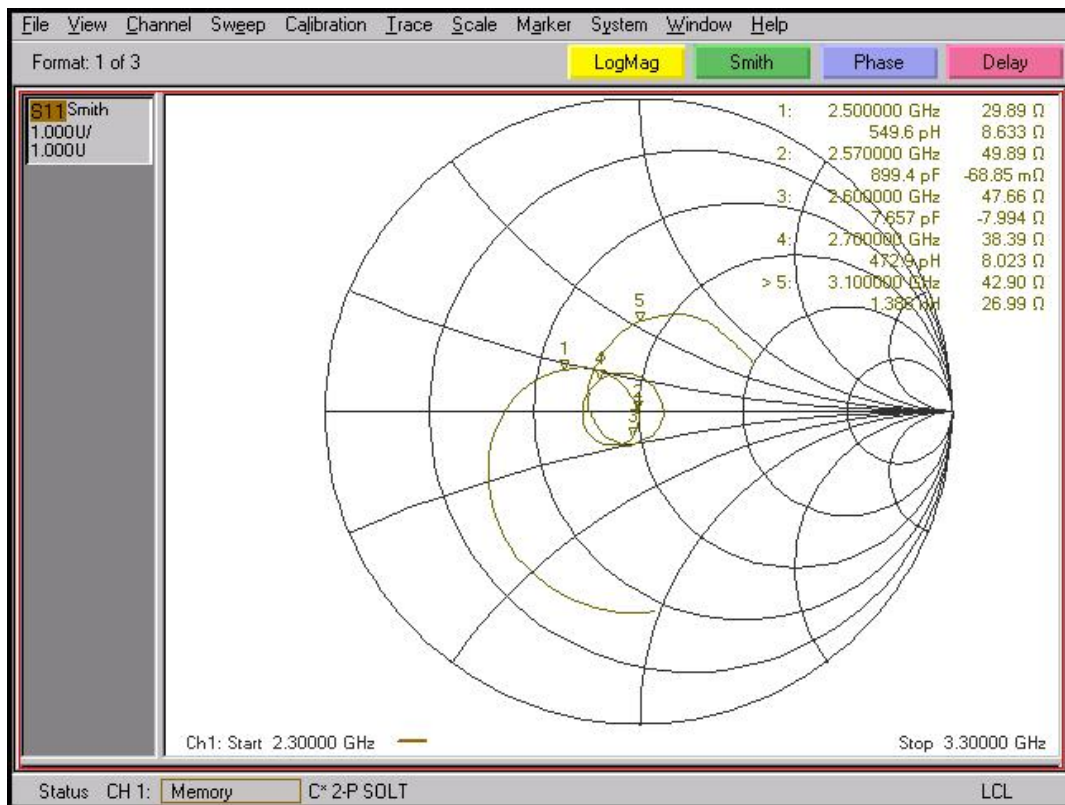


Fig 4. Photo



Fig 5. Measurement Configuration

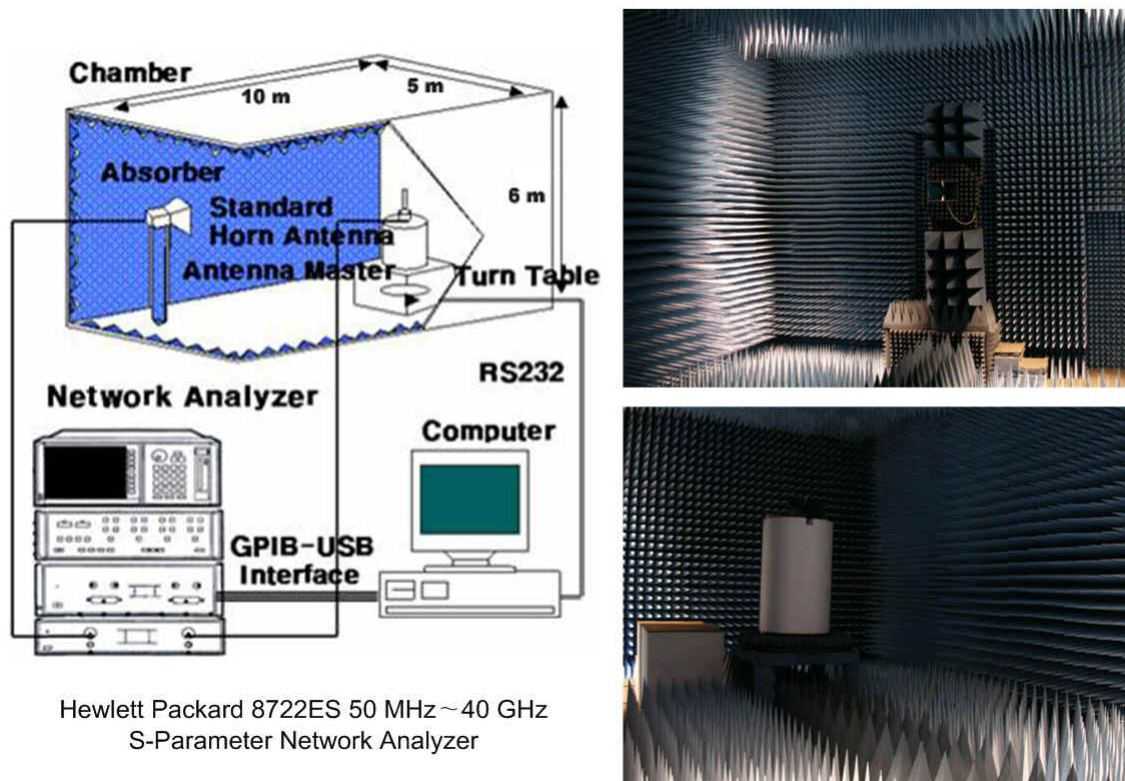


Fig 6. Axis Definitions (Antenna Center)

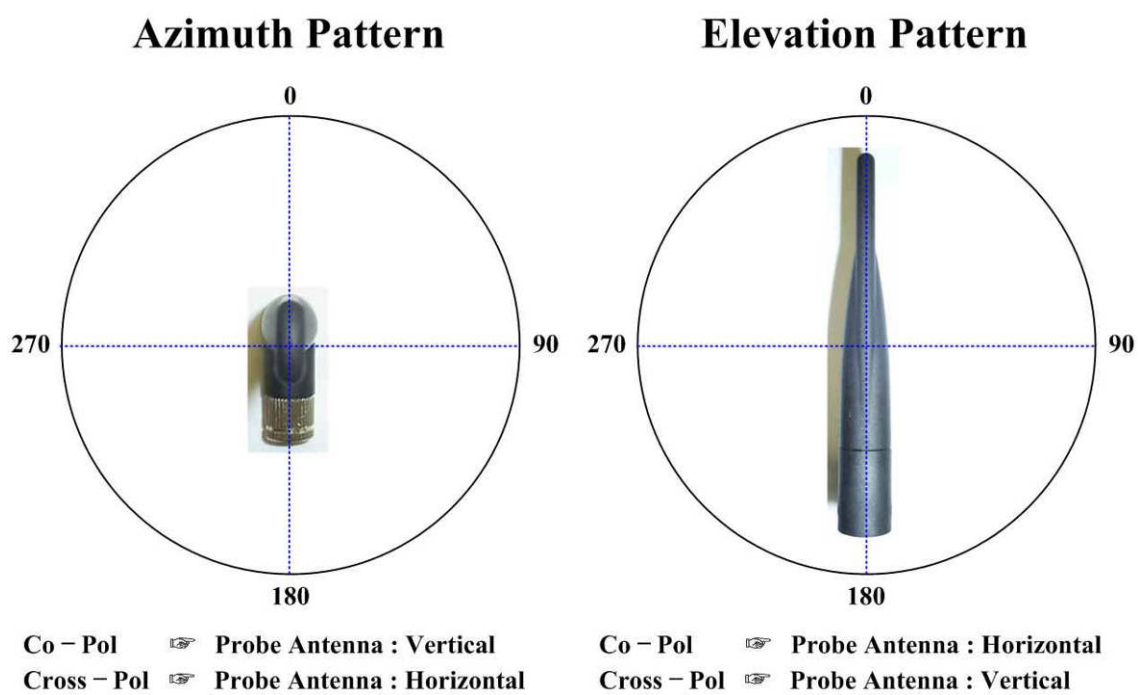
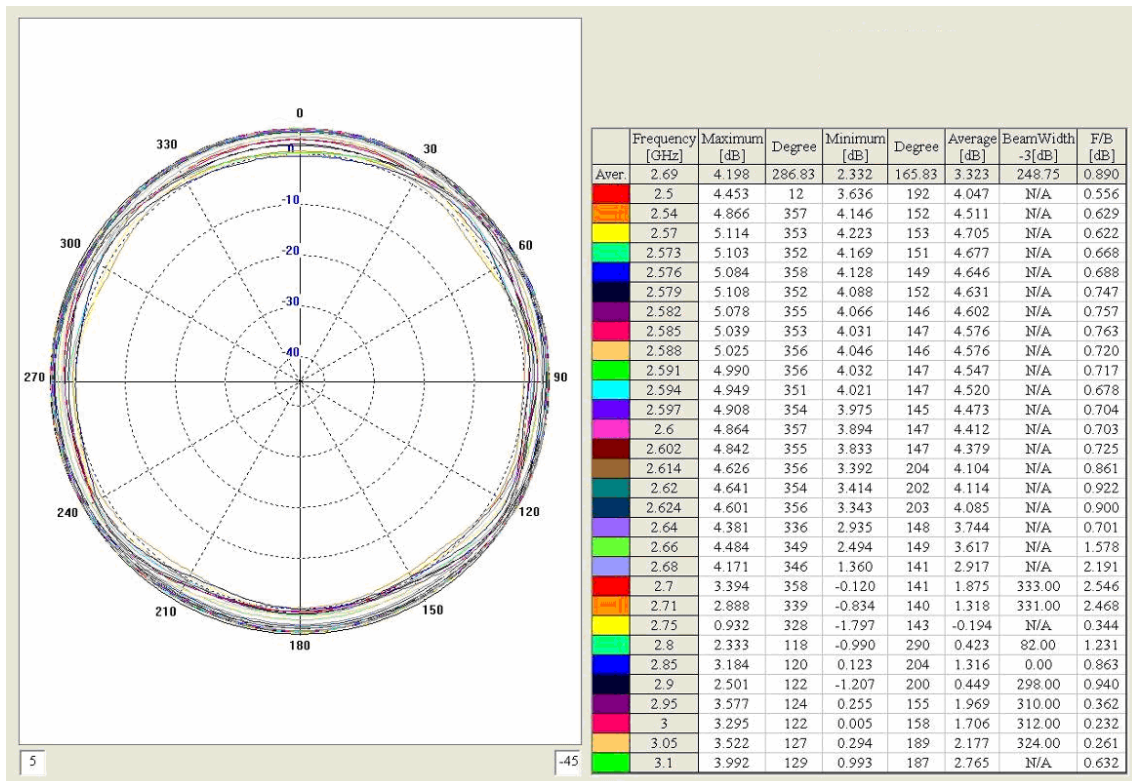


Fig 6. Gain Patterns

a. Azimuth Pattern



b. Elevation Pattern

