



Specifications Sheet

| | | | |
|-------------------|------------------------------|-------------------|------------------|
| Object | Dipole Antenna (Single-band) | Page | 1 of 5 |
| Customer | KT | Date | January 17, 2006 |
| System | WLAN IEEE 802.11b/g | Rev. | IR |
| Model Name | W5E – WO – 01 | Written by | |

Electrical Specifications

| | |
|--------------------------------|-----------------|
| Frequency Range (MHz) | 2400 ~ 2483.5 |
| Band Width (MHz) | 83.5 |
| V.S.W.R (Min) | 1.9 : 1 |
| Gain (Max) | 4.5 (dBi) |
| Input Impedance | 50 (Ω) |
| Polarization | Linear |

Mechanical Specifications

| | |
|---|----------------------------------|
| Antenna Size (Length x Diameter) | 180.8 × 11 mm |
| Weight | 17 ± 2g |
| Radome Material | Keyflex, Nylon |
| Connector | SMA Male |
| Operation Temperature | - 30 ~ 70 ($^{\circ}\text{C}$) |
| 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)

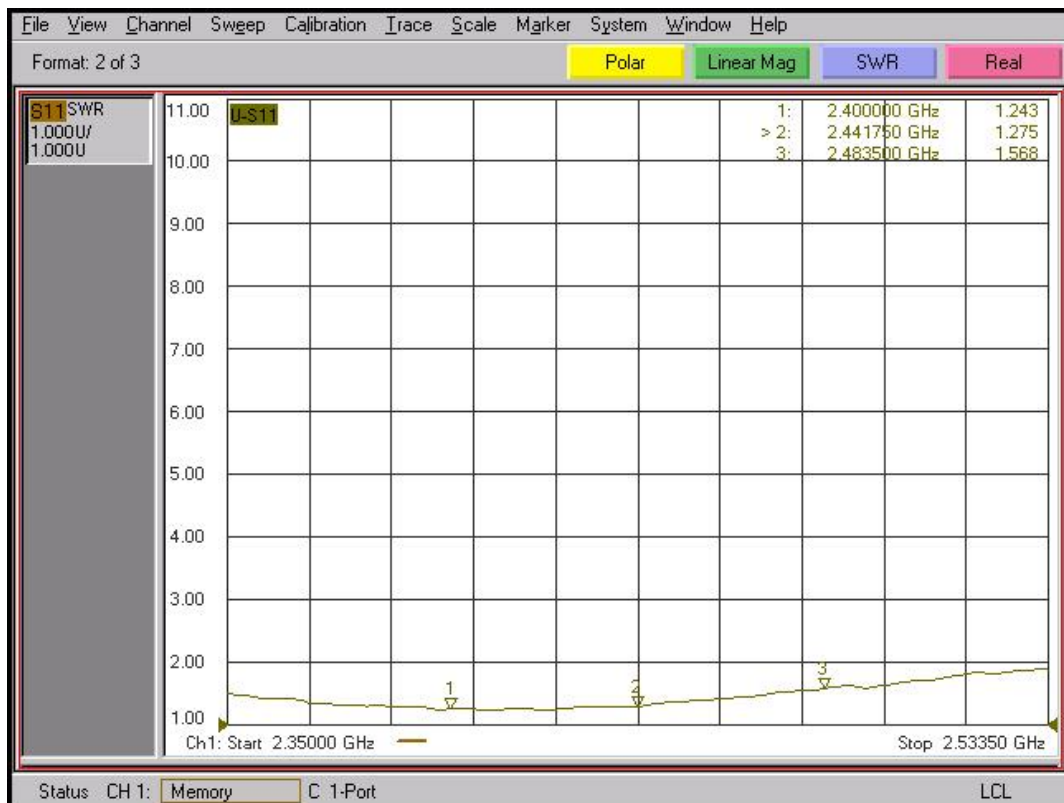


Fig 3. Smith Chart (Agilent E8357A 300KHz~6GHz PNA Series Network Analyzer)

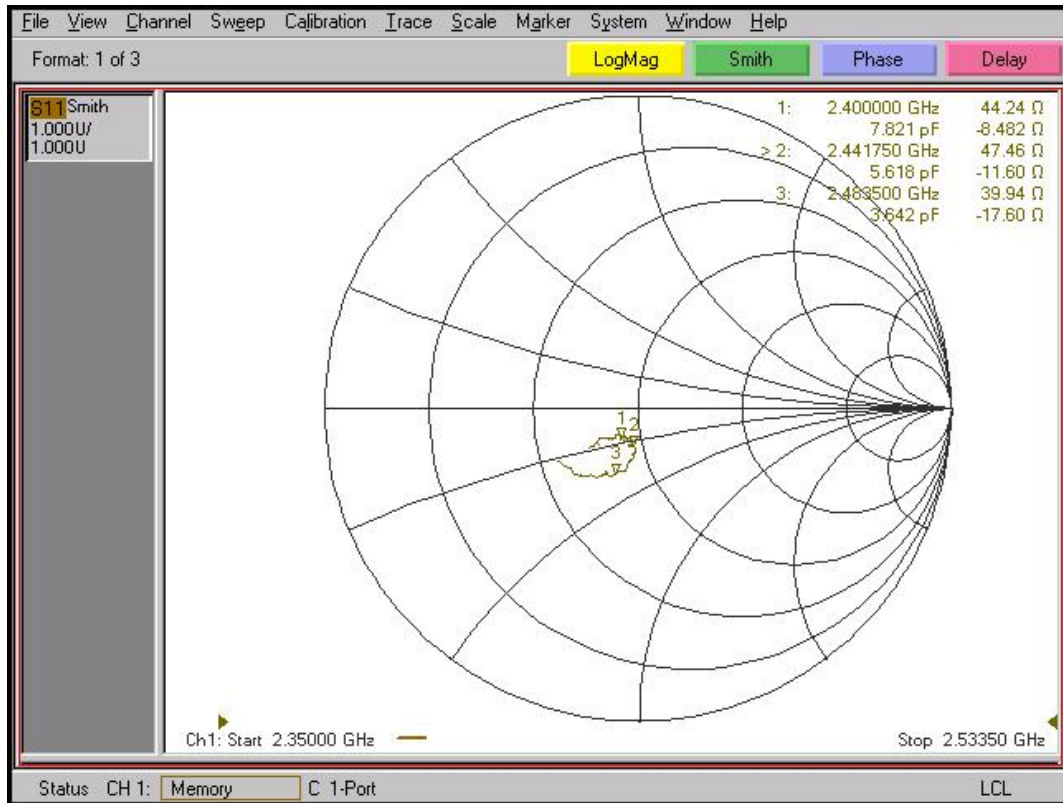
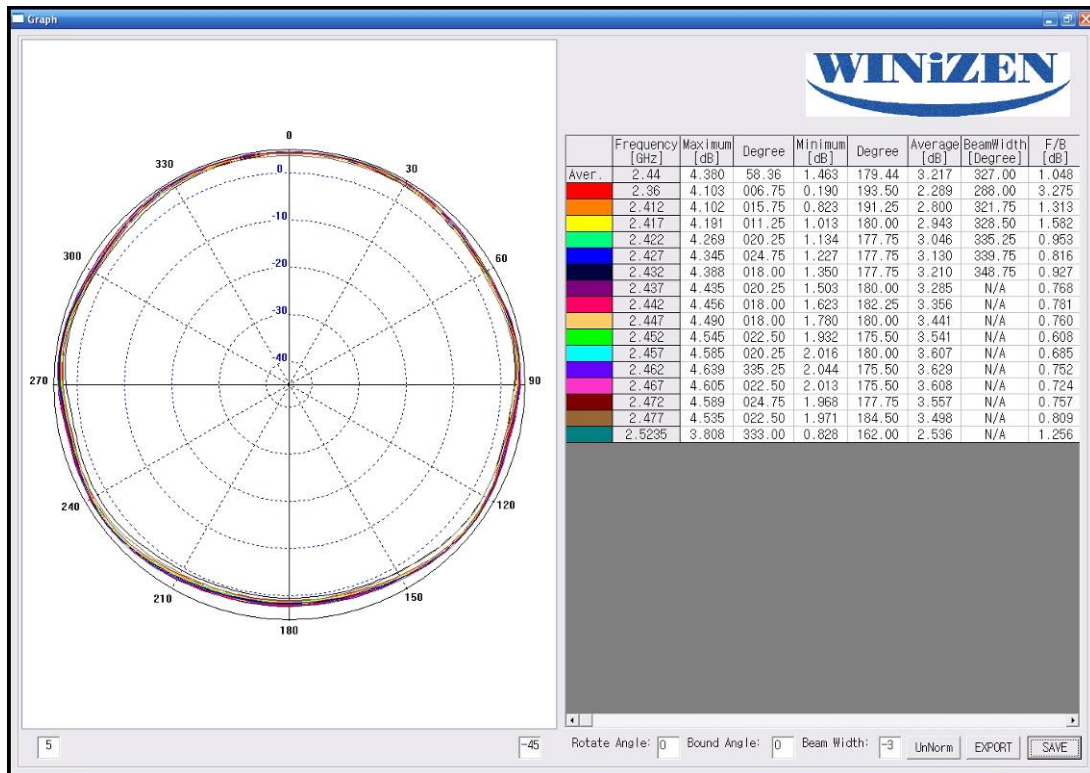


Fig 4. Gain Patterns

a. Azimuth Pattern



b. Elevation Pattern

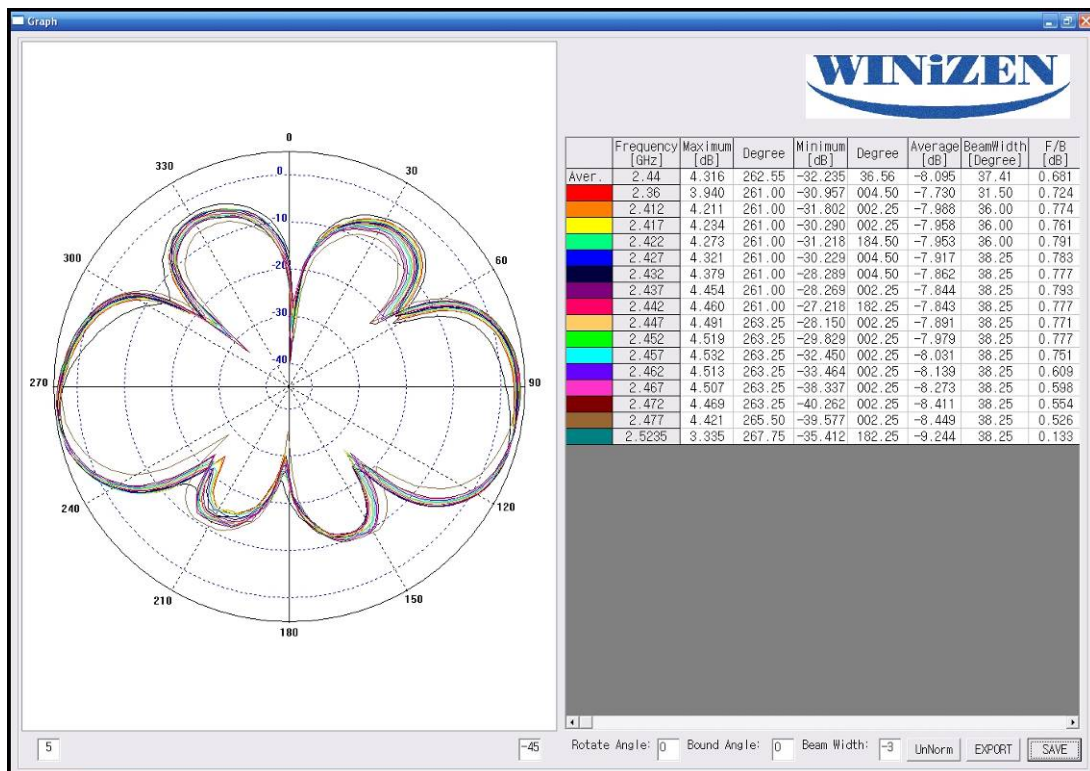


Fig 5. Photo

