



Specifications Sheet

Object	Internal Antenna	Page	1 of 6
Customer		Date	October 24, 2008
System	WLAN/ Bluetooth/ Zigbee	Rev.	A
Model Name		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)	3.5 (dBi)
Input Impedance	50 (Ω)
Polarization	Linear

Mechanical Specifications

Antenna Size (Length x Width x Height)	48 × 8 × 1 mm (optional)
Weight	N / A
Connector	I-PEX MHF or HRS U.FL (optional)
Cable Length	100 mm (optional)
Radiator Material	Copper
Operation Temperature	- 30 ~ 70 ($^{\circ}\text{C}$)
Operation Humidity	10 ~ 90 (%)

Option	
Remarks	Data measured at free-space.

WINiZEN Co., Ltd.



Fig 1. Return Loss (Agilent E8357A 300KHz~6GHz PNA Series Network Analyzer)

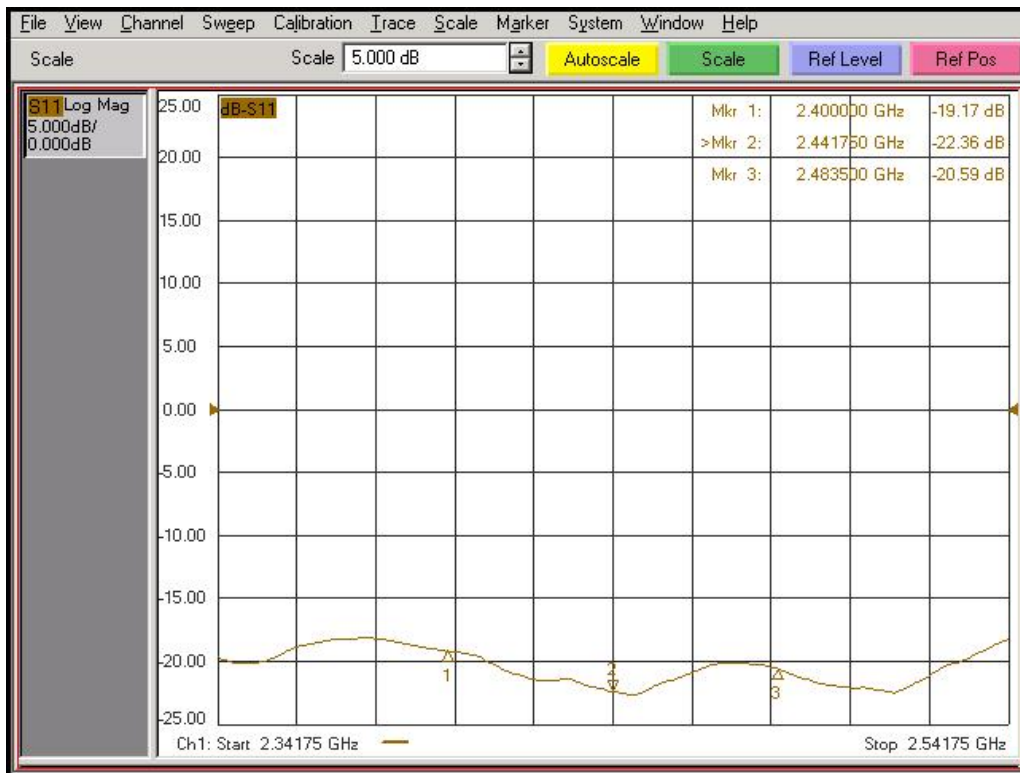


Fig 2. V.S.W.R (Agilent E8357A 300KHz~6GHz PNA Series Network Analyzer)

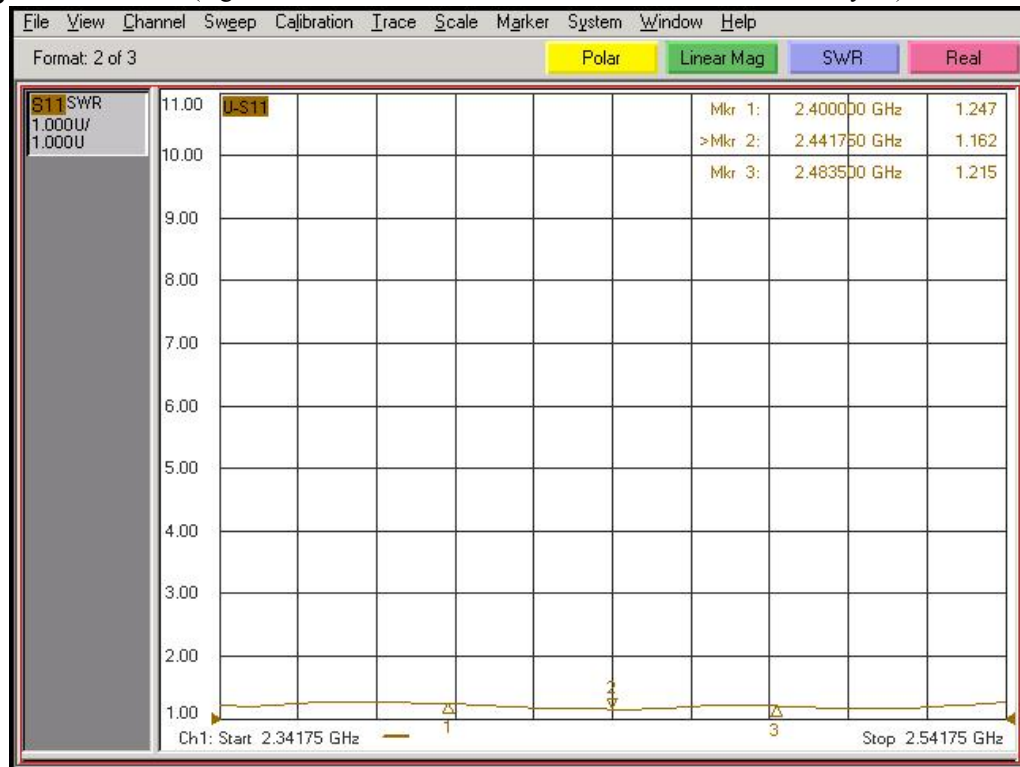


Fig 3. Smith Chart (Agilent E8357A 300KHz~6GHz PNA Series Network Analyzer)

LEFT

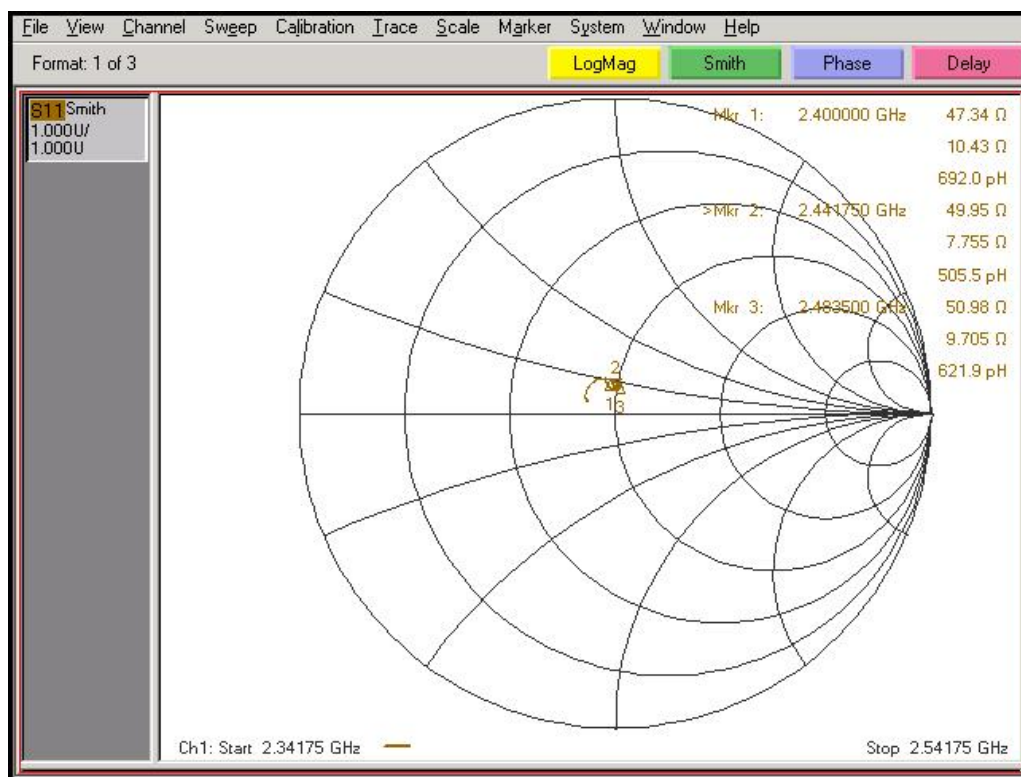
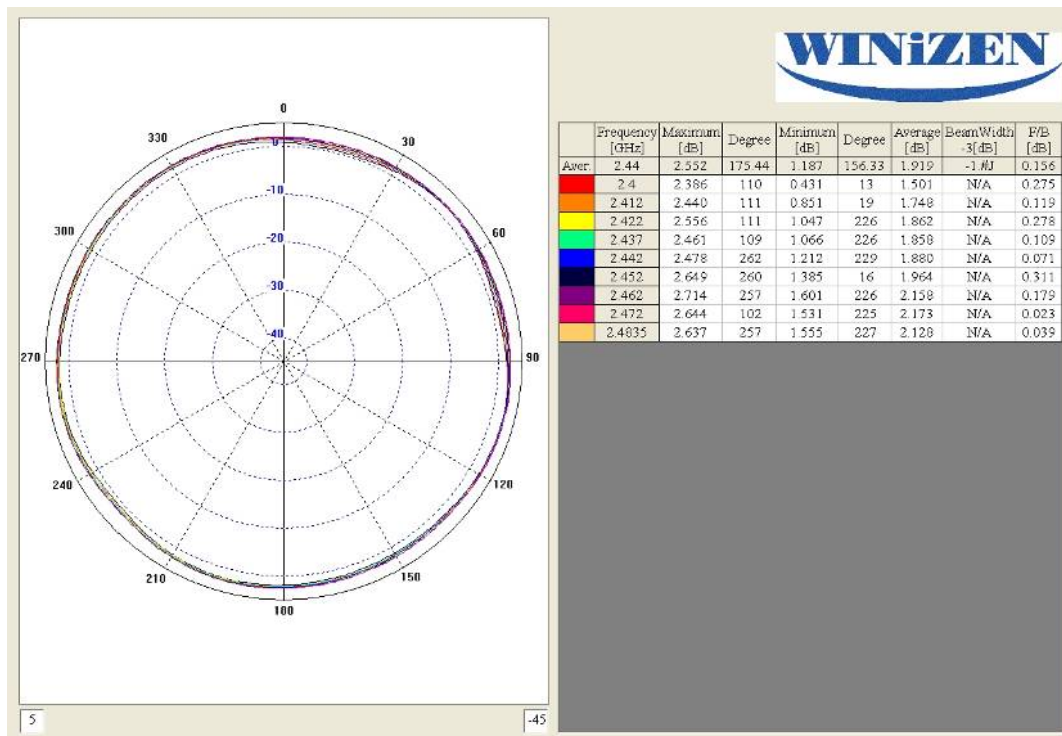


Fig 6. Gain Patterns

a. Azimuth Pattern



b. Elevation Pattern

