

## Antenna Specifiatio

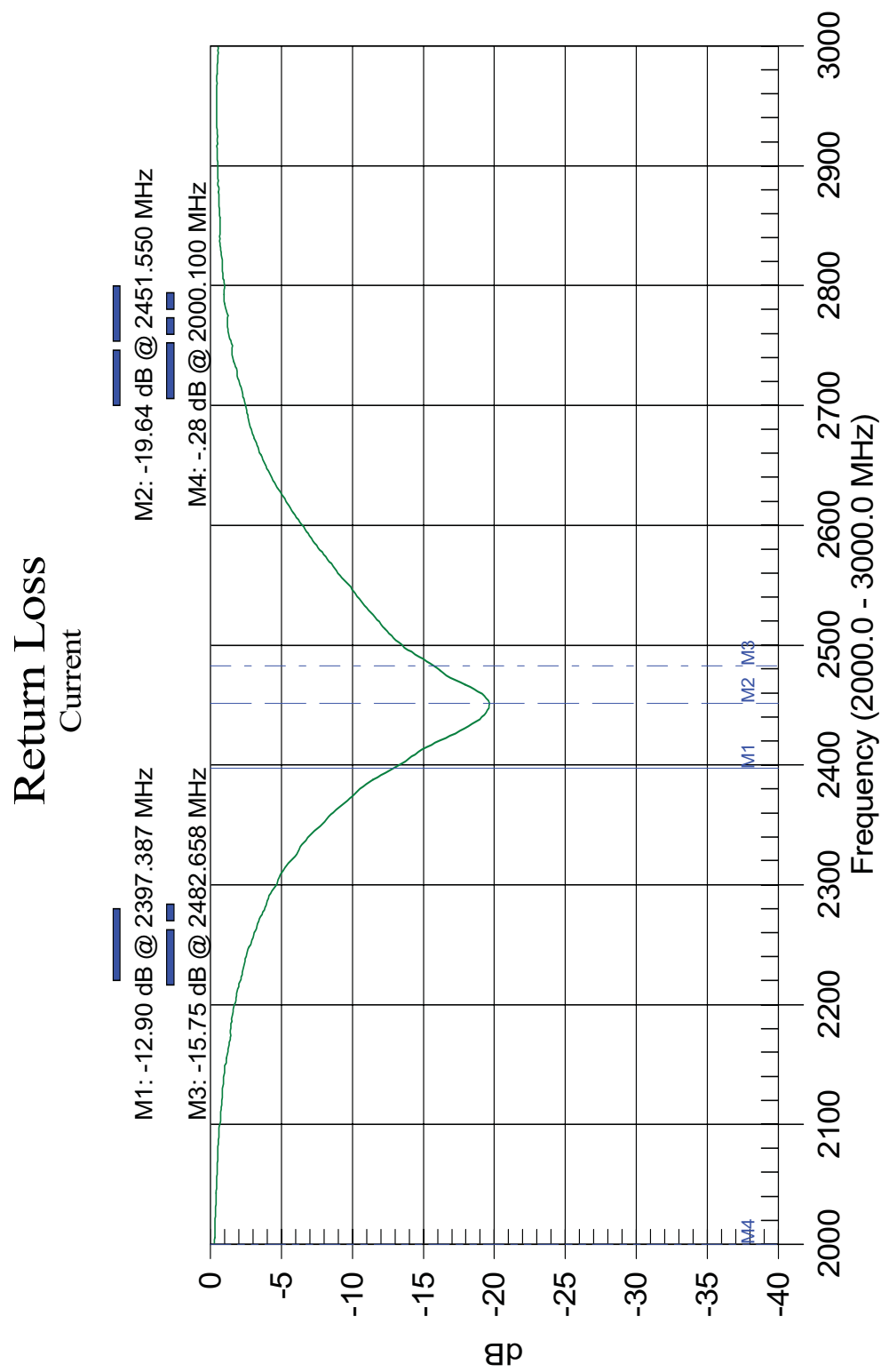
**Manufacturer: PRIMST (CHUZHOU) INNOVATION CO., LTD**

**No. 2, Fumin South Road, Tianchang City, Chuzhou City, Anhui Province**

### 1. Electrical Characteristics

| No. | Item                      | Specifications   |
|-----|---------------------------|------------------|
| 1   | Working Central Frequency | 2450 MHz         |
| 2   | Band Width                | 2400~2500MHZ     |
| 3   | Gain                      | 0~2dbi           |
| 4   | V.S.W.R (in BW)           | ≤2.0             |
| 5   | Polarization              | Linear           |
| 6   | Azimuth Beam width        | Omni-directional |
| 7   | Impedance                 | 50 Ω             |

2.Return Loss and Smith Chat



Resolution: 517

Std: ---

Date: Sep/02/2009

Model: S332D

FlexCAL:ON(COAX)

Channel: N/A

Time: 14:16:43

Serial #: 00924093

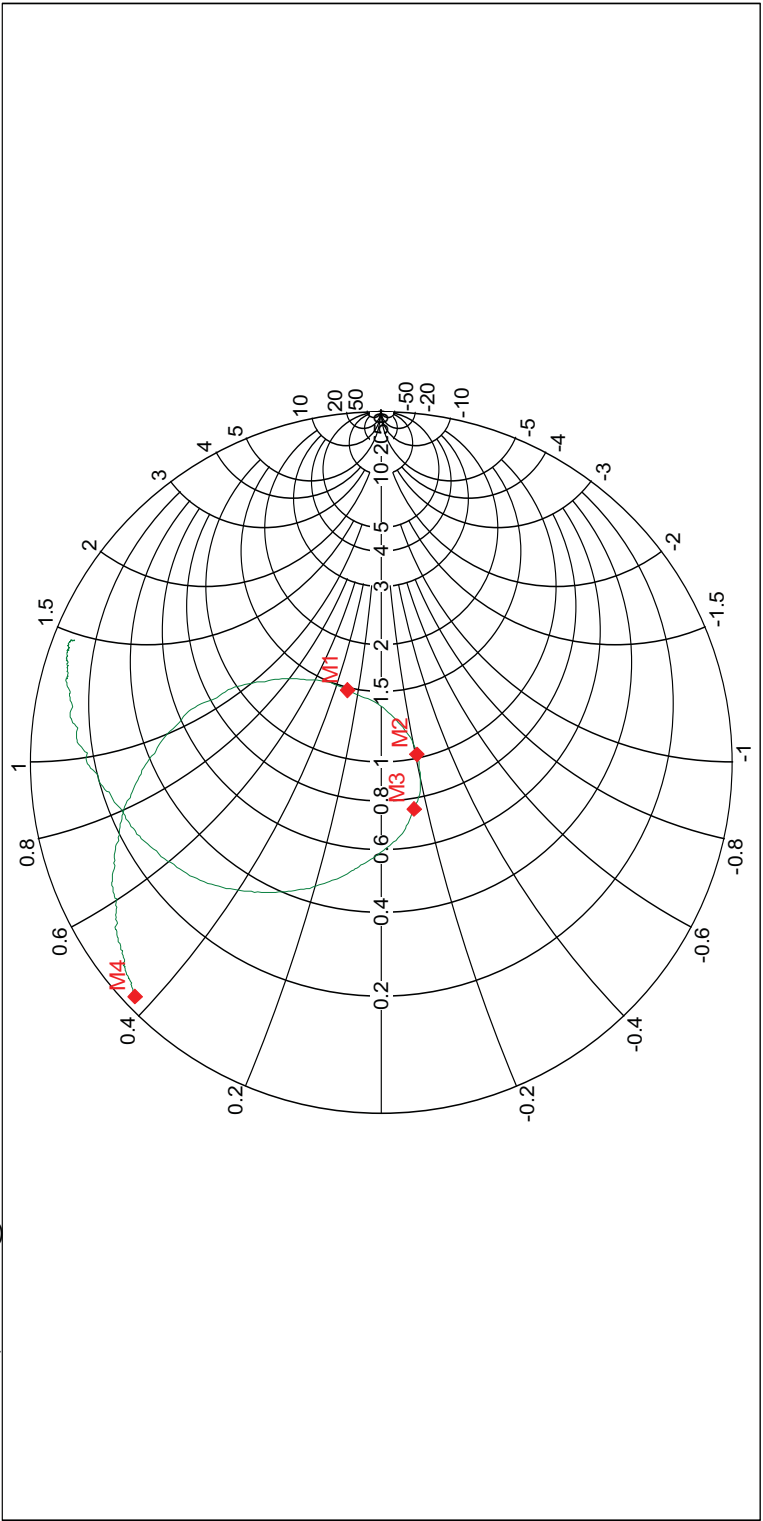
CW: ON

3. Physical Test Environment  
Antitsu S332D

Smith Chart

Current

M1:  $r=1.48$ ,  $x=0.30$  @ 2397.387 MHz      M2:  $r=1.02$ ,  $x=-0.21$  @ 2451.65 MHz      M3:  $r=0.75$ ,  $x=-0.14$  @ 2482.658 MHz  
M4:  $r=0.02$ ,  $x=0.43$  @ 2000.10 MHz

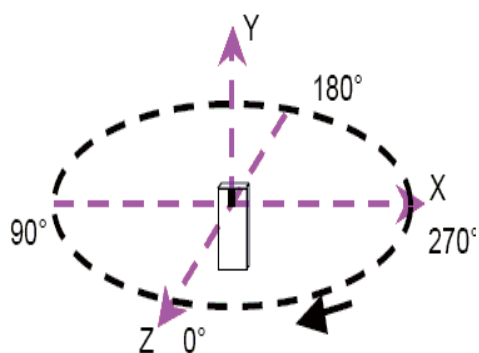
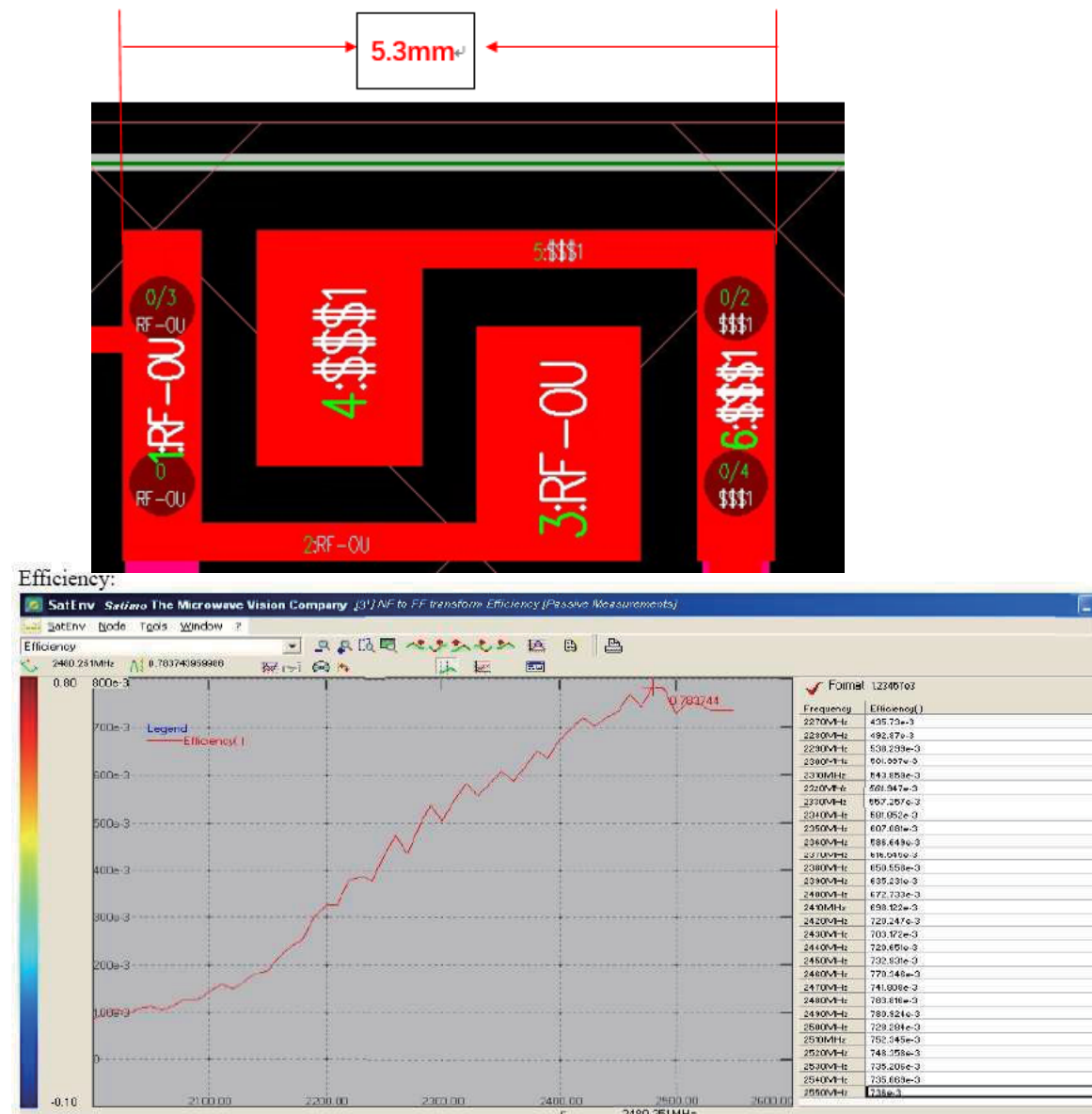


Resolution: 517  
Date: Sep/02/2009  
Model: S332D

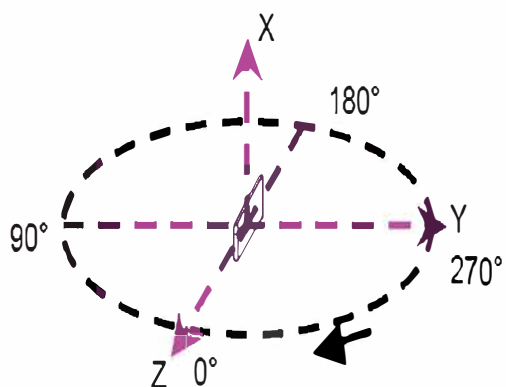
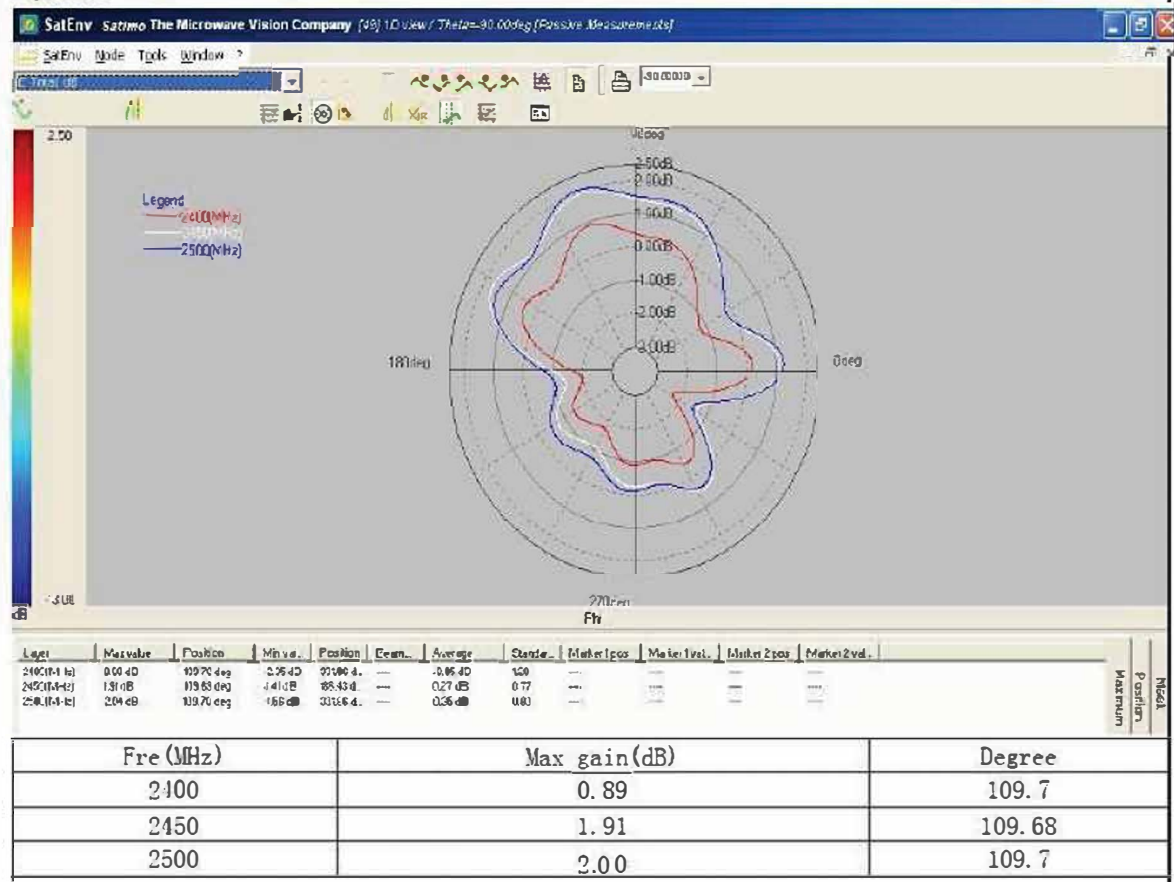
FlexCAL:ON(COAX)  
Time: 14:16:43  
Serial #: 00924093

CW ON  
Prop. Vel.: 800

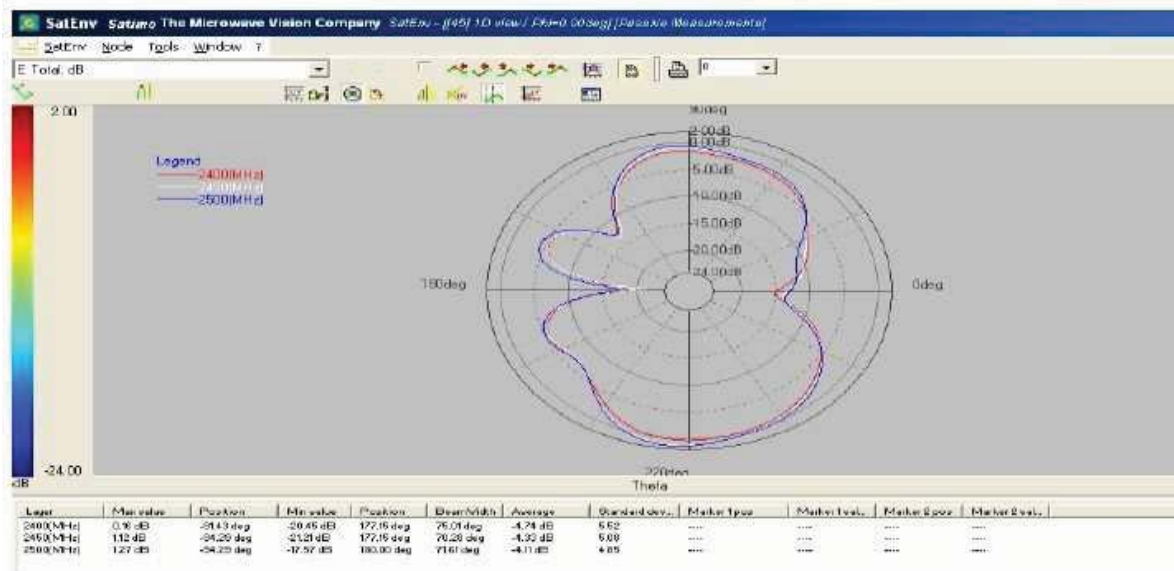
#### 4. Shape of the antenna



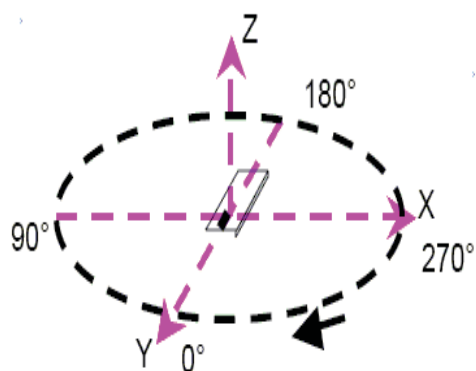
H pattern:



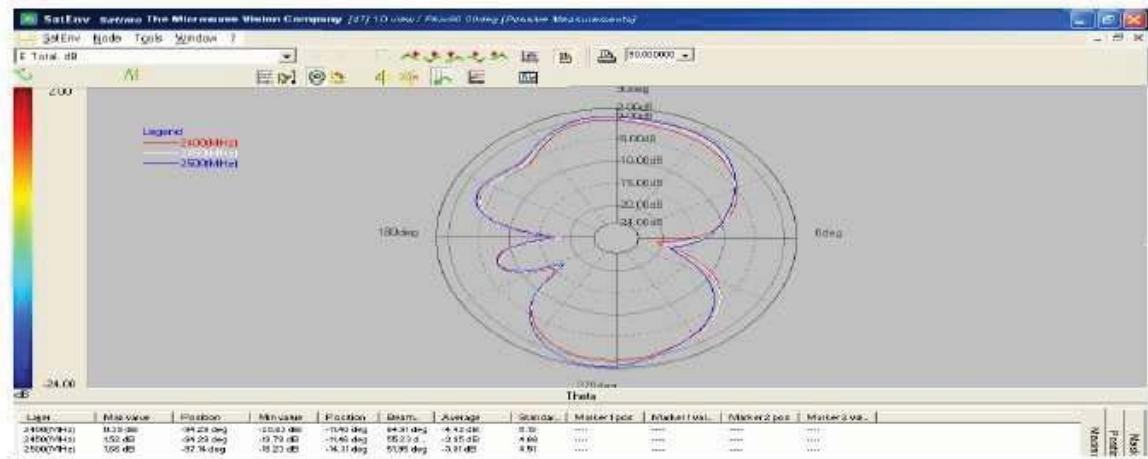
E1 pattern:



| Fre (MHz) | Max gain (dB) | Degree |
|-----------|---------------|--------|
| 2400      | 0.16          | -91.43 |
| 2450      | 1.12          | -94.29 |
| 2500      | 1.27          | -94.29 |



E2 pattern:



END