

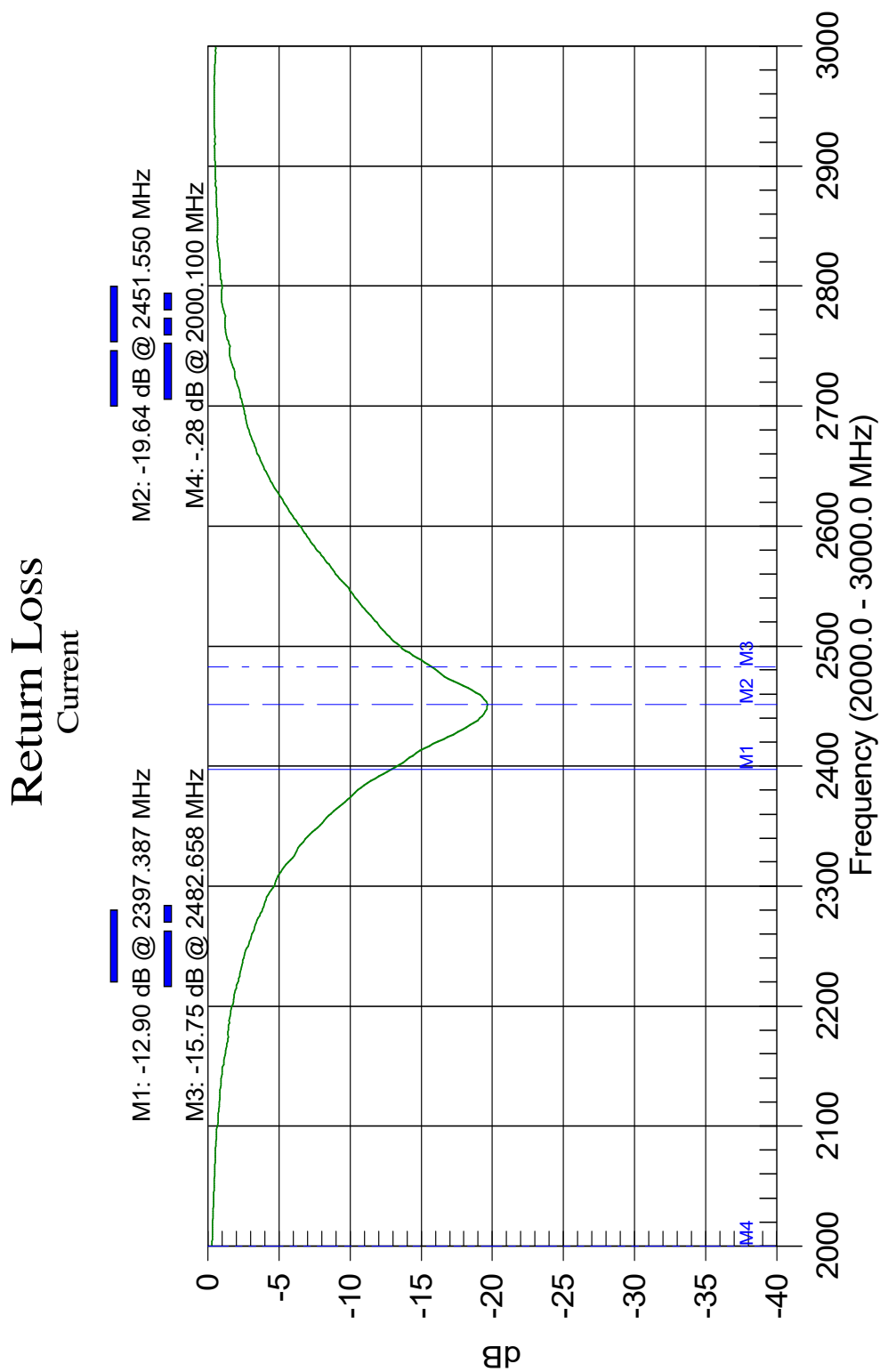
product model name_antenna model name_PCB Antenna

Test Equipment:XXXX

1. Electrical Characteristics

| No. | Item | Specifications |
|-----|---------------------------|-------------------------------|
| 1 | Working Central Frequency | 2450 MHz |
| 2 | Band Width | ± 75 MHz (2375~2525MHz) |
| 3 | Gain | 2.04dbi |
| 4 | V.S.W.R (in BW) | ≤ 2.0 |
| 5 | Polarization | Linear |
| 6 | Azimuth Beam width | Omni-directional |
| 7 | Impedance 阻抗 | 50 Ω |

2.Return Loss and Smith Chat



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

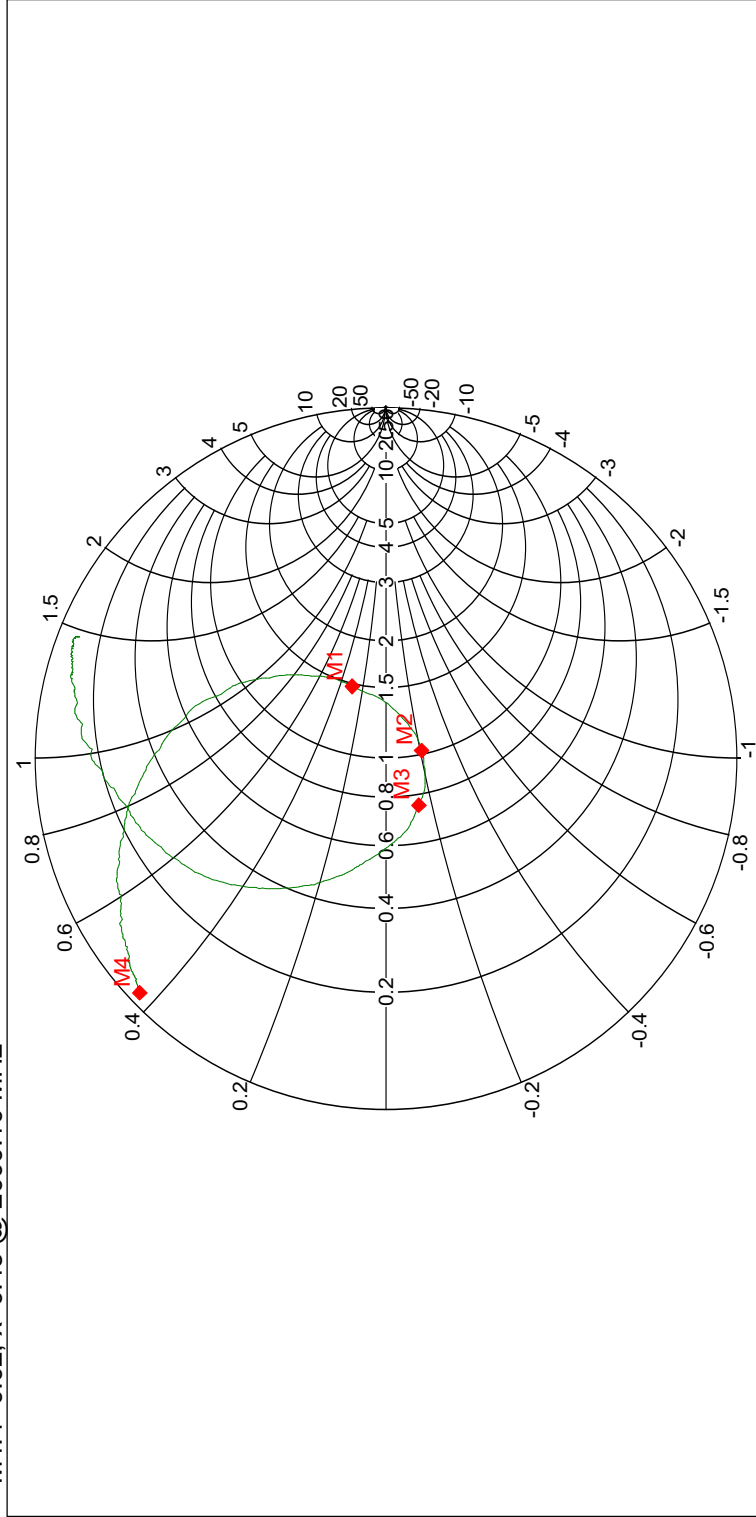
FlexCAL:ON(COAX)
Channel: N/A
Time: 14:16:43
Serial #: 00924093

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

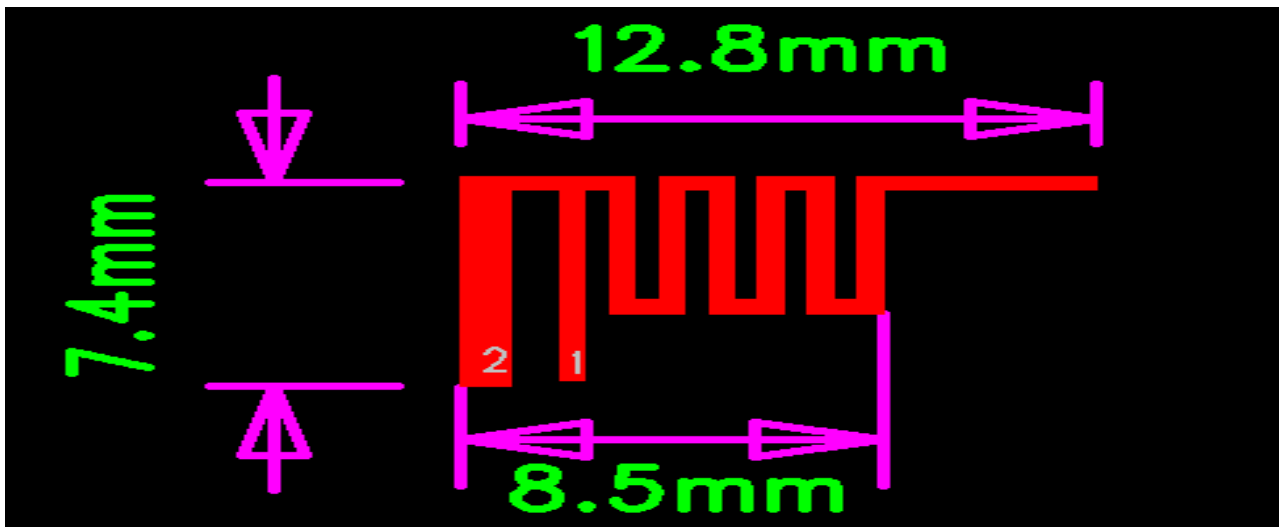


Resolution: 517
Date: Sep/02/2009
Model: S332D

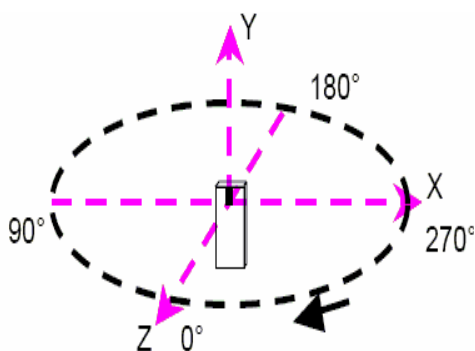
FlexCAL:ON(COAX)
Time: 14:16:43
Serial #: 00924093

CW ON
Prop. Vel.: 800

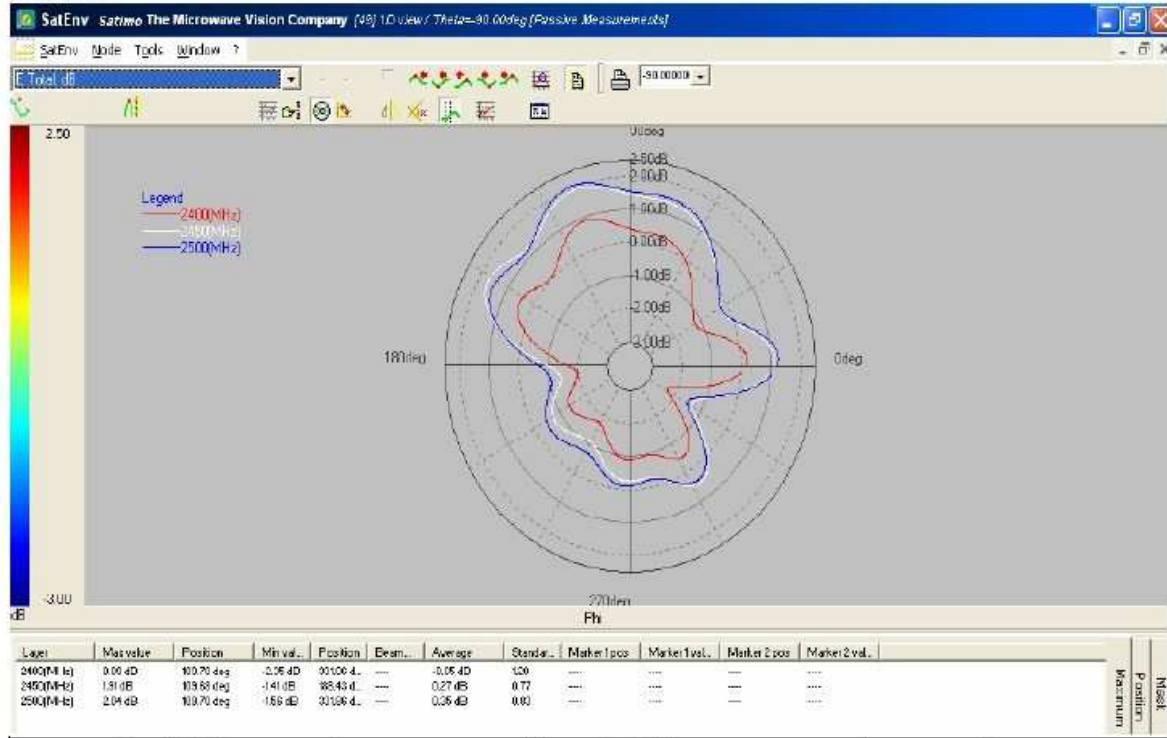
4. Shape of the antenna



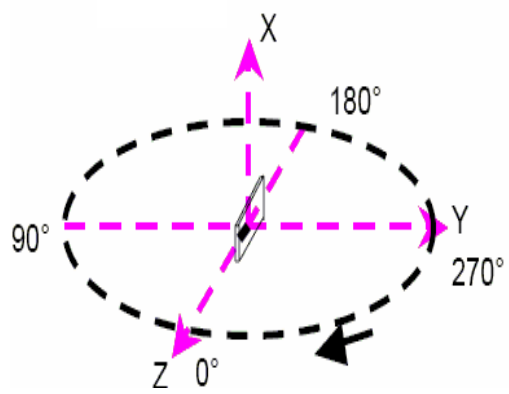
Efficiency:



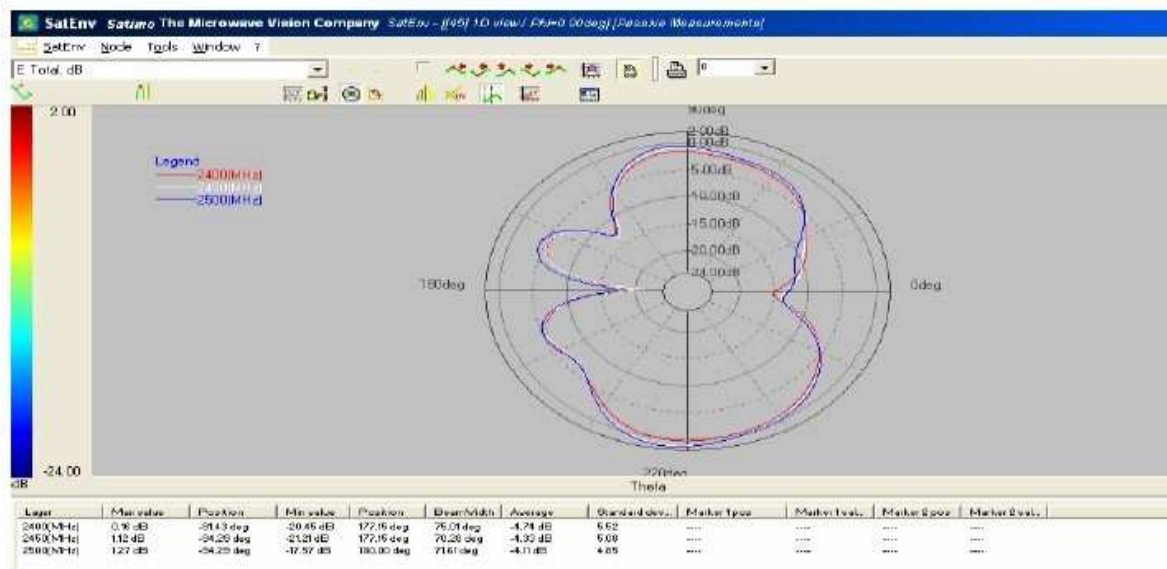
H pattern:



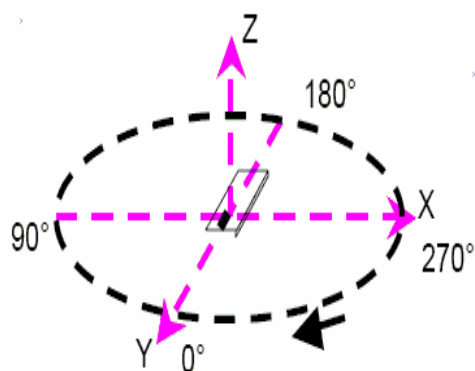
| Fre (MHz) | Max gain (dB) | Degree |
|-----------|---------------|--------|
| 2400 | 0.89 | 109.7 |
| 2450 | 1.91 | 109.68 |
| 2500 | 2.04 | 109.7 |



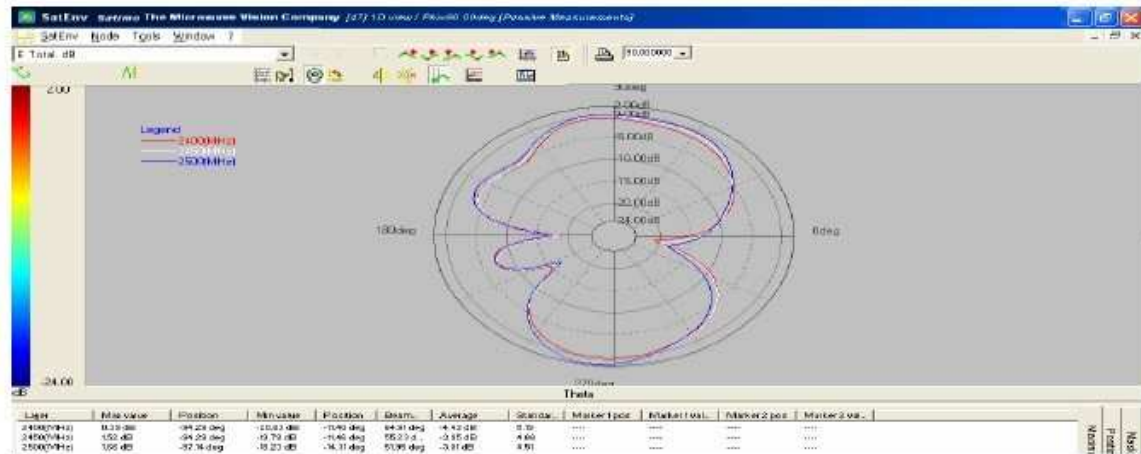
E1 pattern:



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



E2 pattern:



| Fre (MHz) | Max gain (dB) | Degree |
|-----------|---------------|--------|
| 2400 | 0.39 | -94.29 |
| 2450 | 1.52 | -94.29 |
| 2500 | 1.66 | -97.14 |

END