

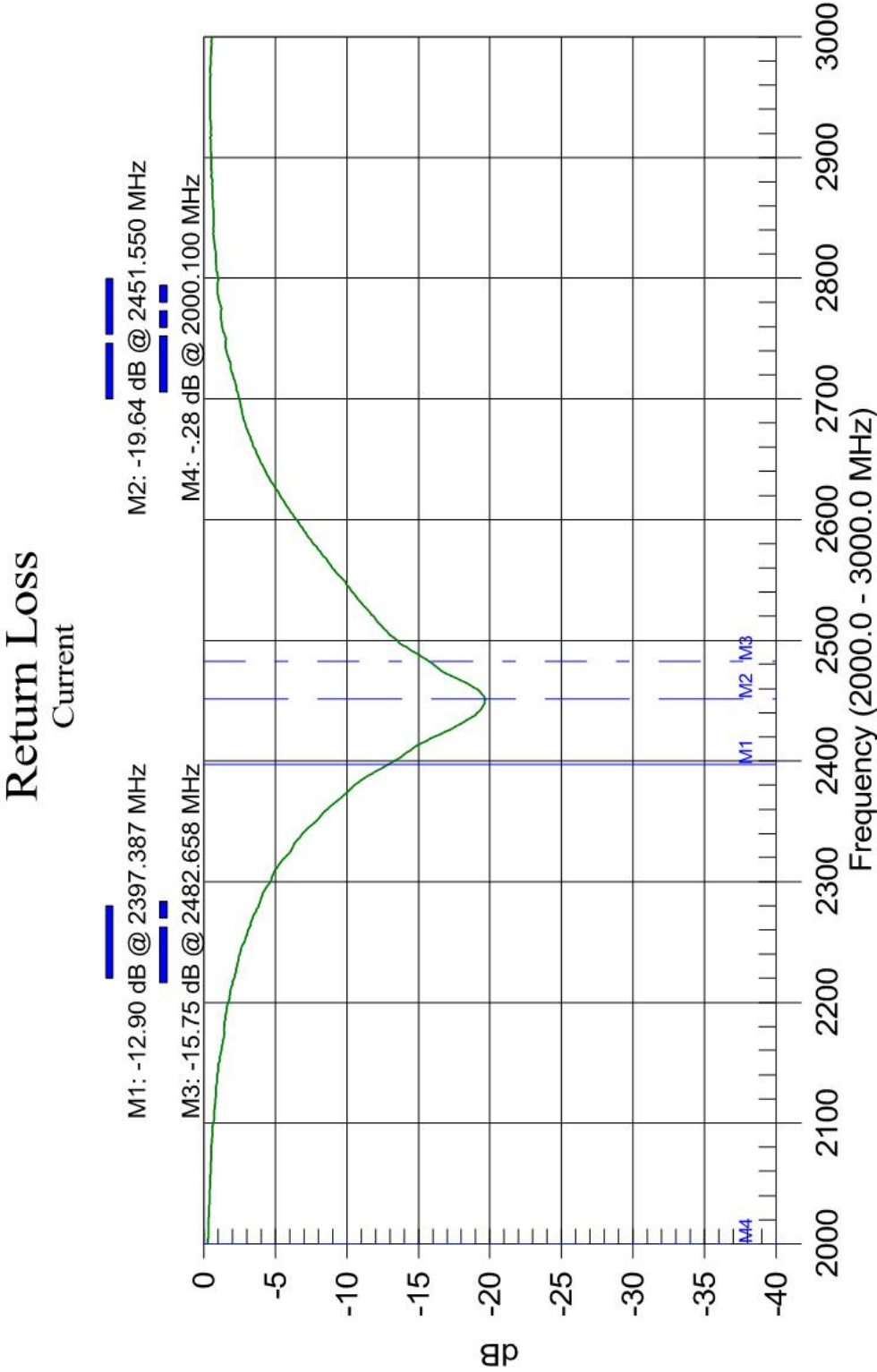
product model name_antenna model name_PCB Antenna

Test Equipment:XXXX

1. Electrical Characteristics

No.	Item	Specifications
1	Working Central Frequency	2450 MHz
2	Band Width	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 阻抗	50 Ω

2.Return Loss and Smith Chat



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

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

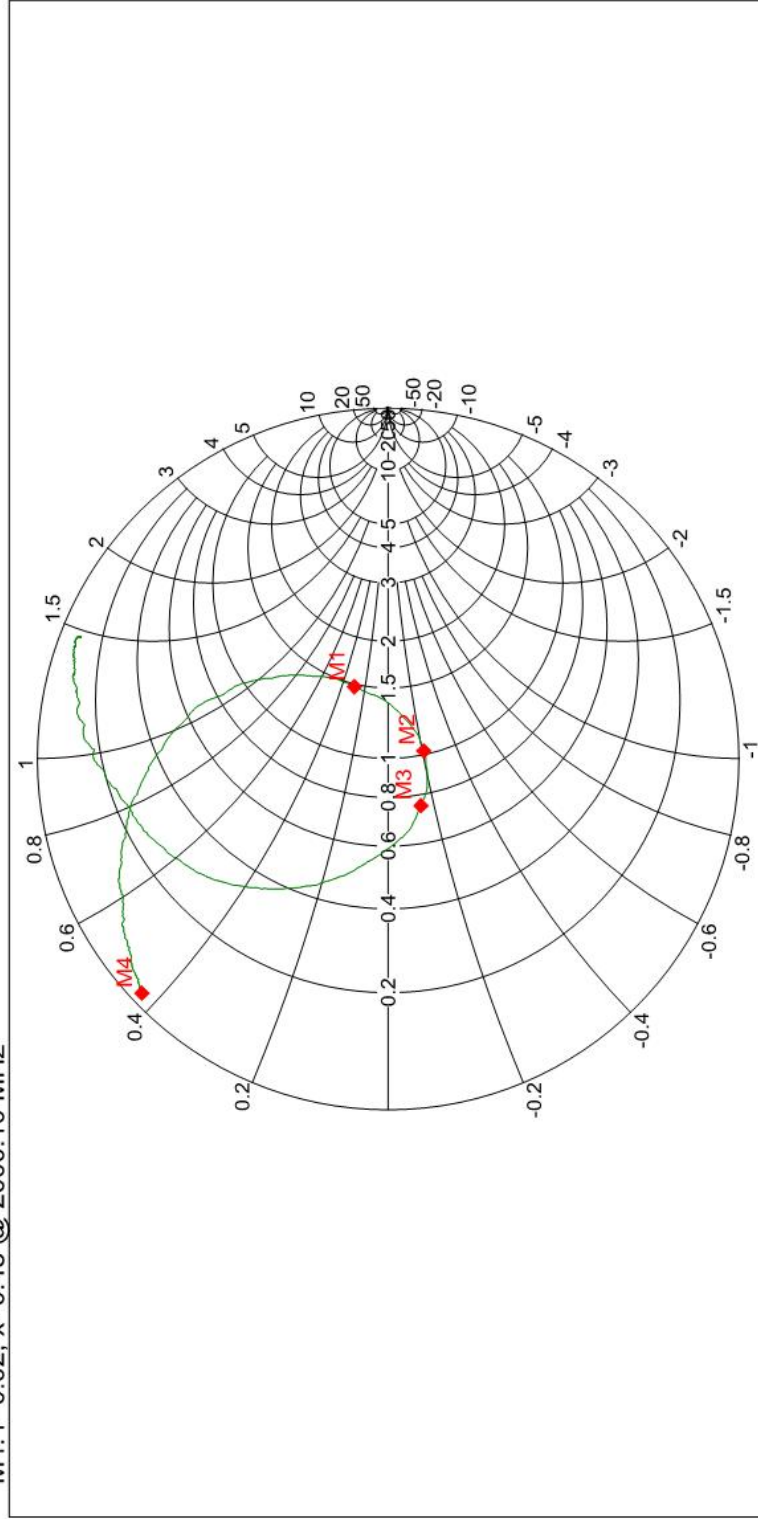
CW: ON

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

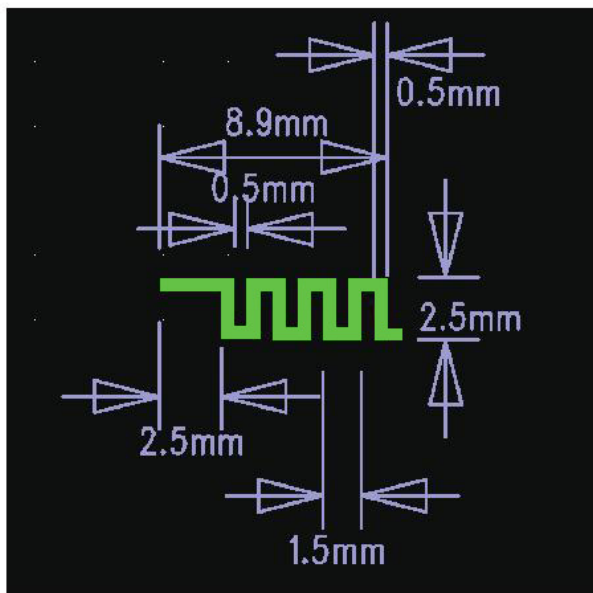


Resolution: 517
 Date: Sep/
 Model: S332D

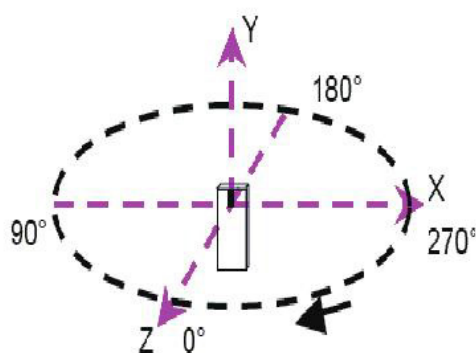
FlexCAL:ON(COAX)
 Time: 14:16:43
 Serial #: 00924093

CW ON
 Prop. Vel.: 800

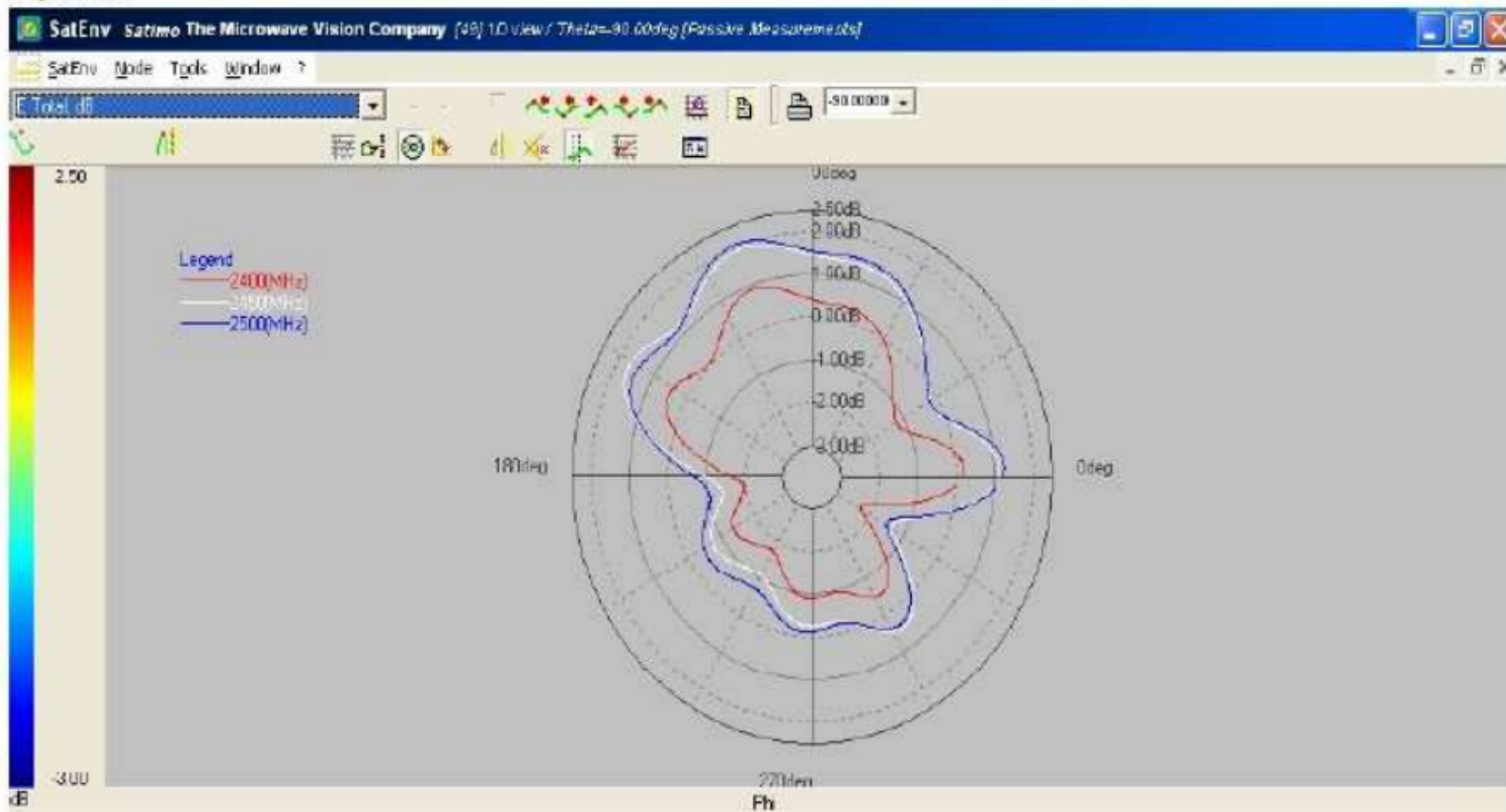
4. Shape of the antenna



Efficiency:

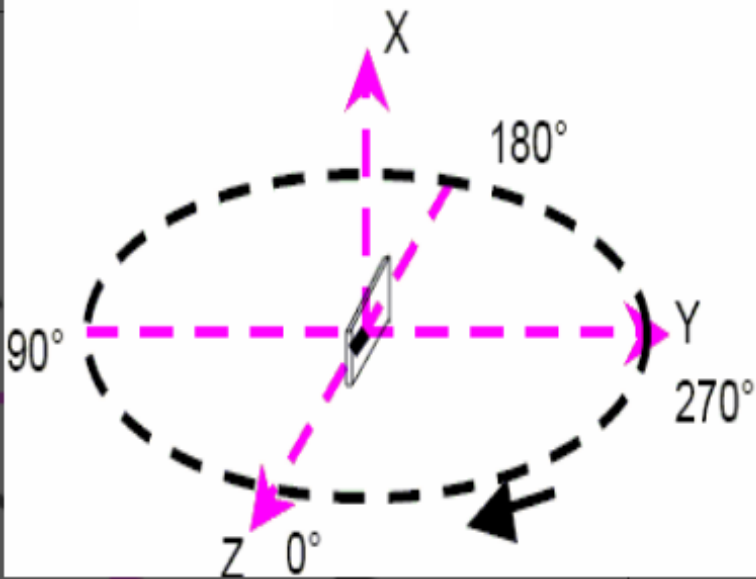


H pattern:

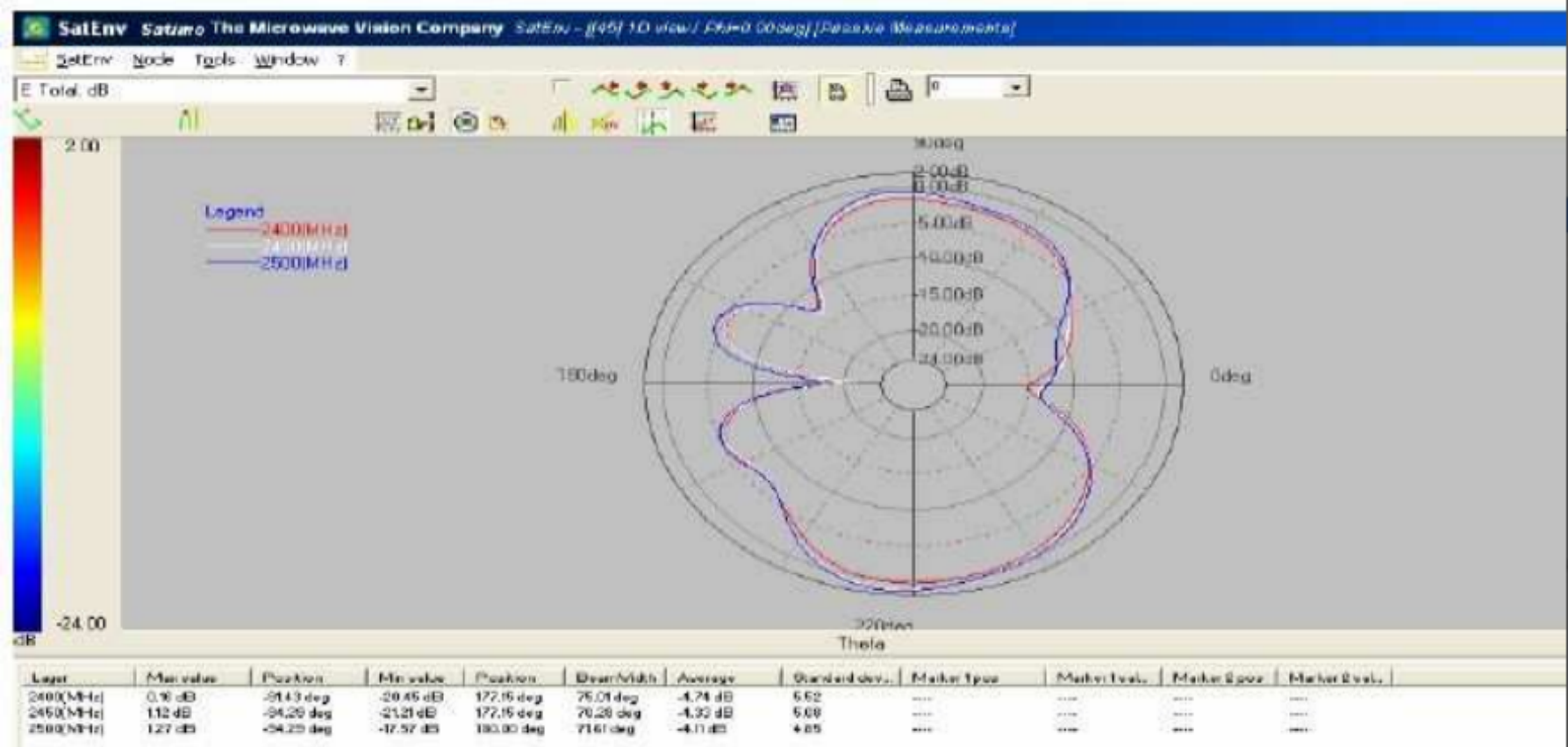


Layer	Max value	Position	Min val.	Position	Beam...	Average	Stand...	Marker 1 pos	Marker 1 val.	Marker 2 pos	Marker 2 val.	Max	Position
2400(MHz)	0.89 dB	109.70 deg	-2.56 dB	90.00 d.	---	-0.55 dB	1.00	---	---	---	---	Maximum	
2450(MHz)	1.91 dB	109.68 deg	-1.41 dB	85.43 d.	---	0.27 dB	0.77	---	---	---	---		
2500(MHz)	2.04 dB	109.70 deg	-1.58 dB	30.00 d.	---	0.35 dB	0.80	---	---	---	---		

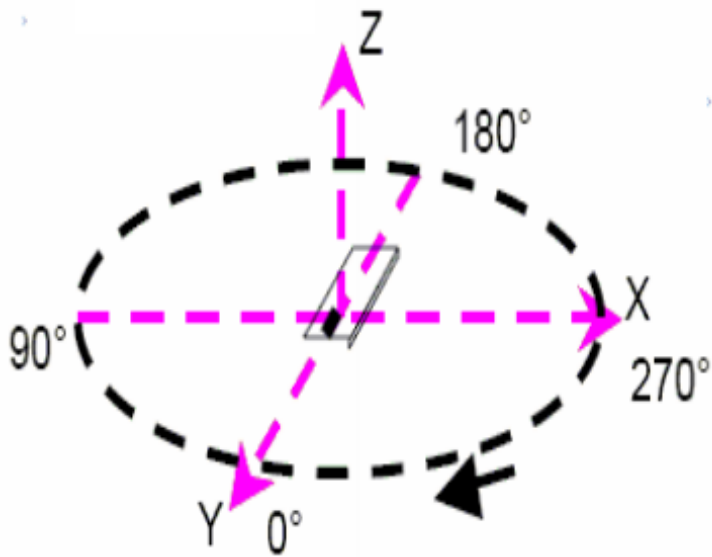
Fre (MHz)	Max gain(dB)	Degree
2400	0.89	109.7
2450	1.91	109.68
2500	2.04	109.7



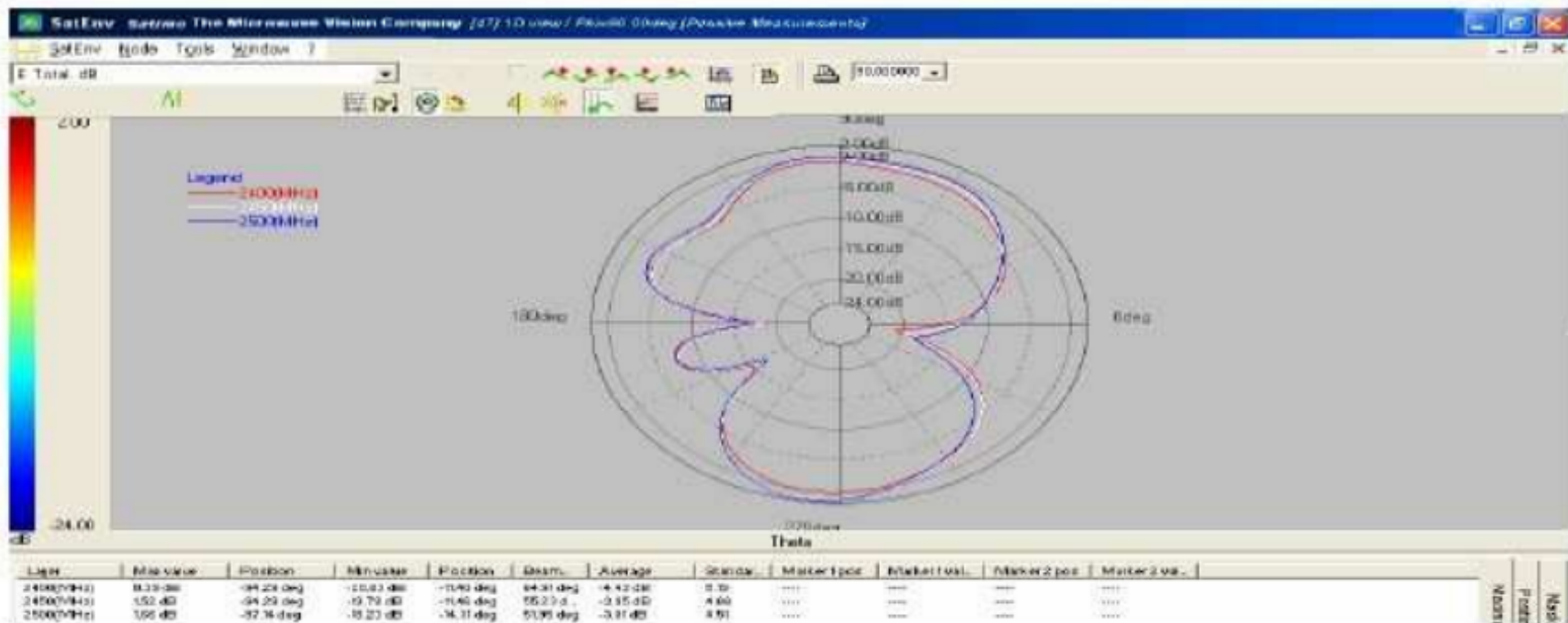
E1 pattern:



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