Specifications Sheet

Object	Stubby Antenna	REV.	IR	Page	1 of 8
Model Name	Promi-Stub	Date	March 11. 2004		
System	Bluetooth, WLAN	Written by	W. I. Kawk		

Electrical Specifications	
Frequency	2400 ~ 2485 (MHz)
Band Width	85 (MHz)
V.S.W.R	1.9 : 1
Gain (max)	Within 2.14 (dBi)
Input Impedance	50 (Ω)
Polarization	Linear, Vertical

Mechanical Specifications	
Size	30mm X 9mm (W x D)
Weight	3.5(g)
Radiator Material	Copper
Operation Temperature	-30 ~ 90 (℃)
Operation Humidity	10 ~ 90 (%)

Option	
Remarks	

KRD01-00A05-01IR

Fig 1. VSWR

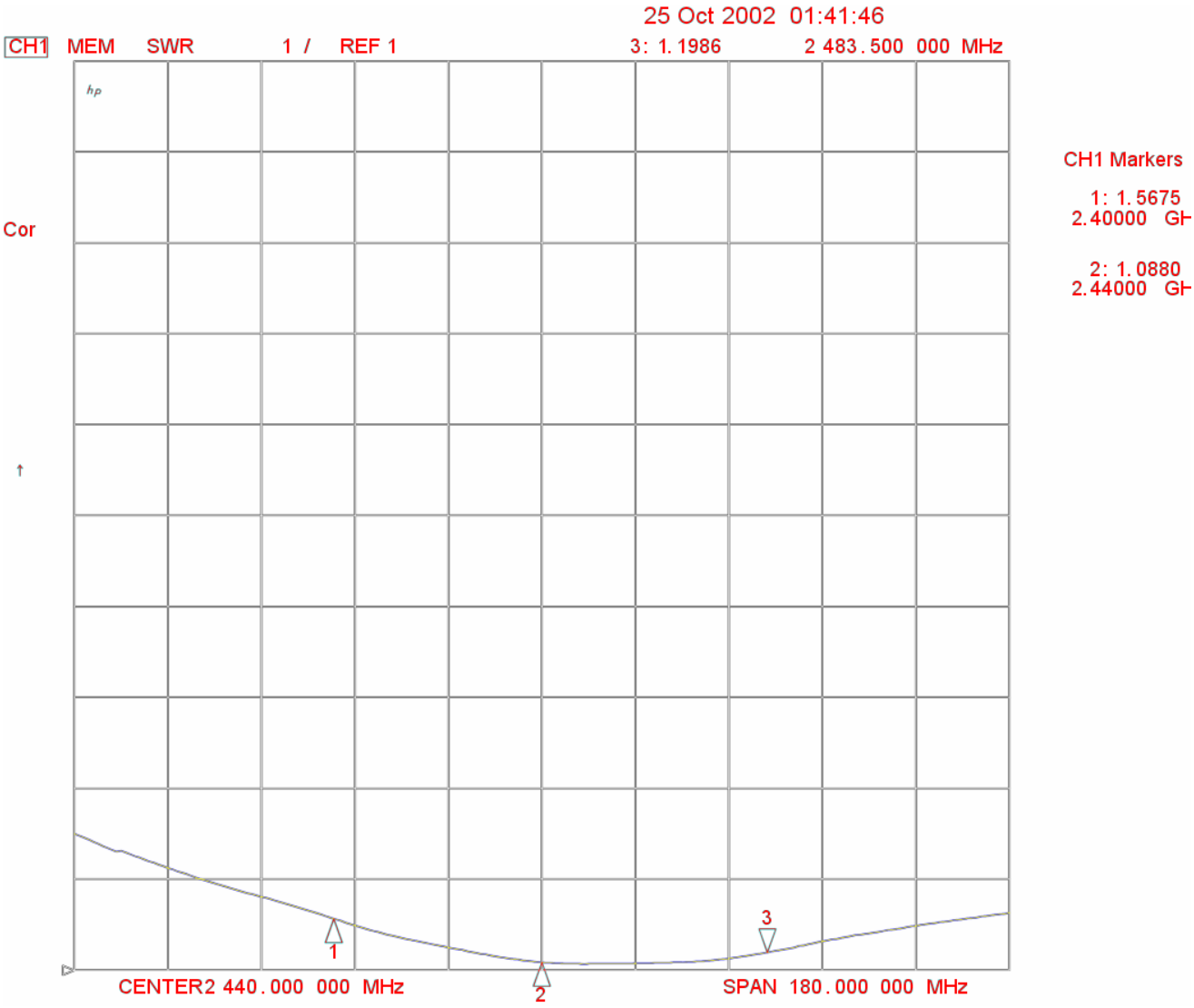

25 Oct 2002 01:41:46
CH1 MEM SWR 1 / REF 1
3: 1.1986
2 483.500 000 MHz
CH1 Markers
1: 1.5675
2.40000 GH
2: 1.0880
2.44000 GH
Cor
1
2
3
CENTER2 440.000 000 MHz
SPAN 180.000 000 MHz

Fig 2. Return loss

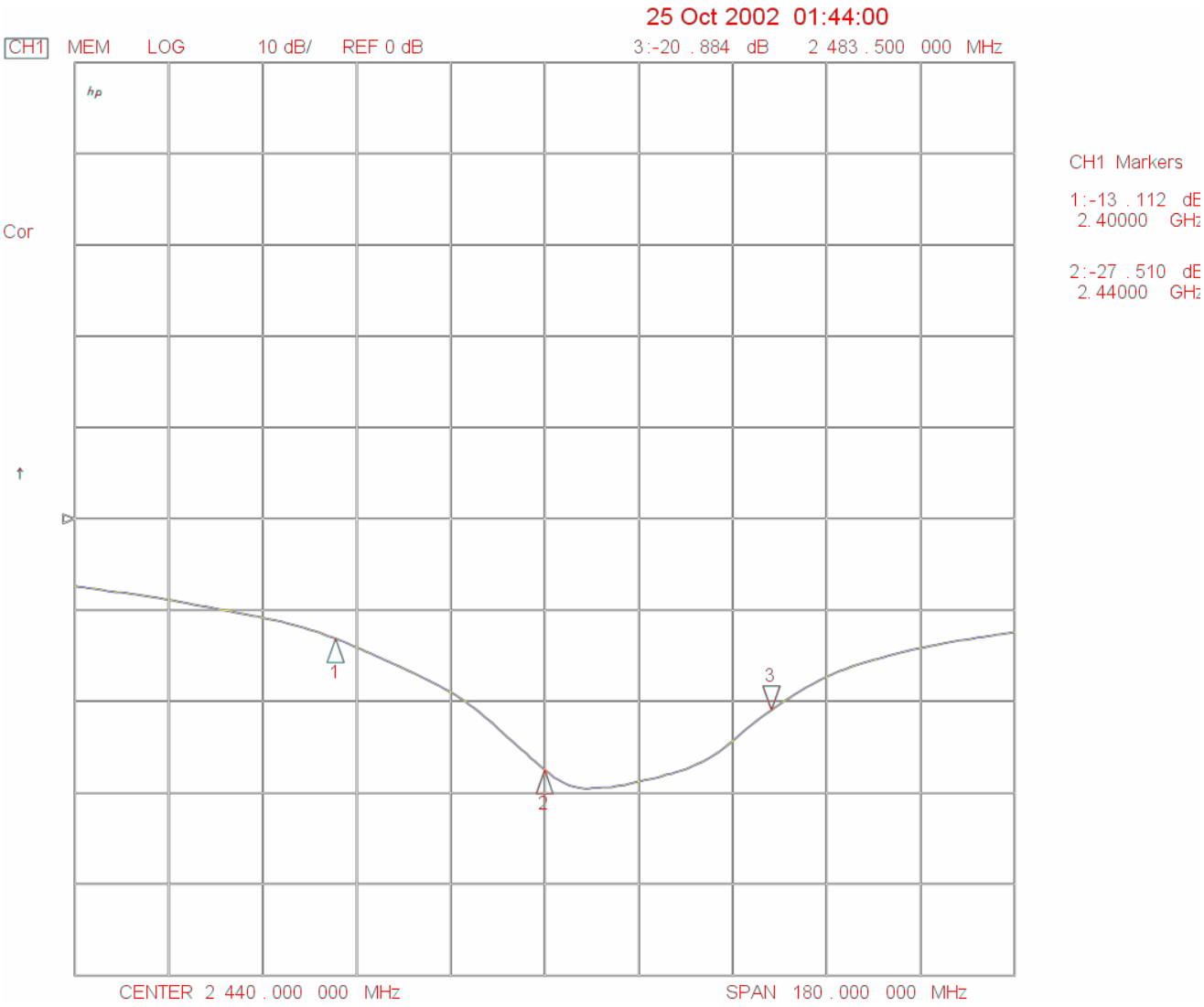


Fig 3. Smith Chart

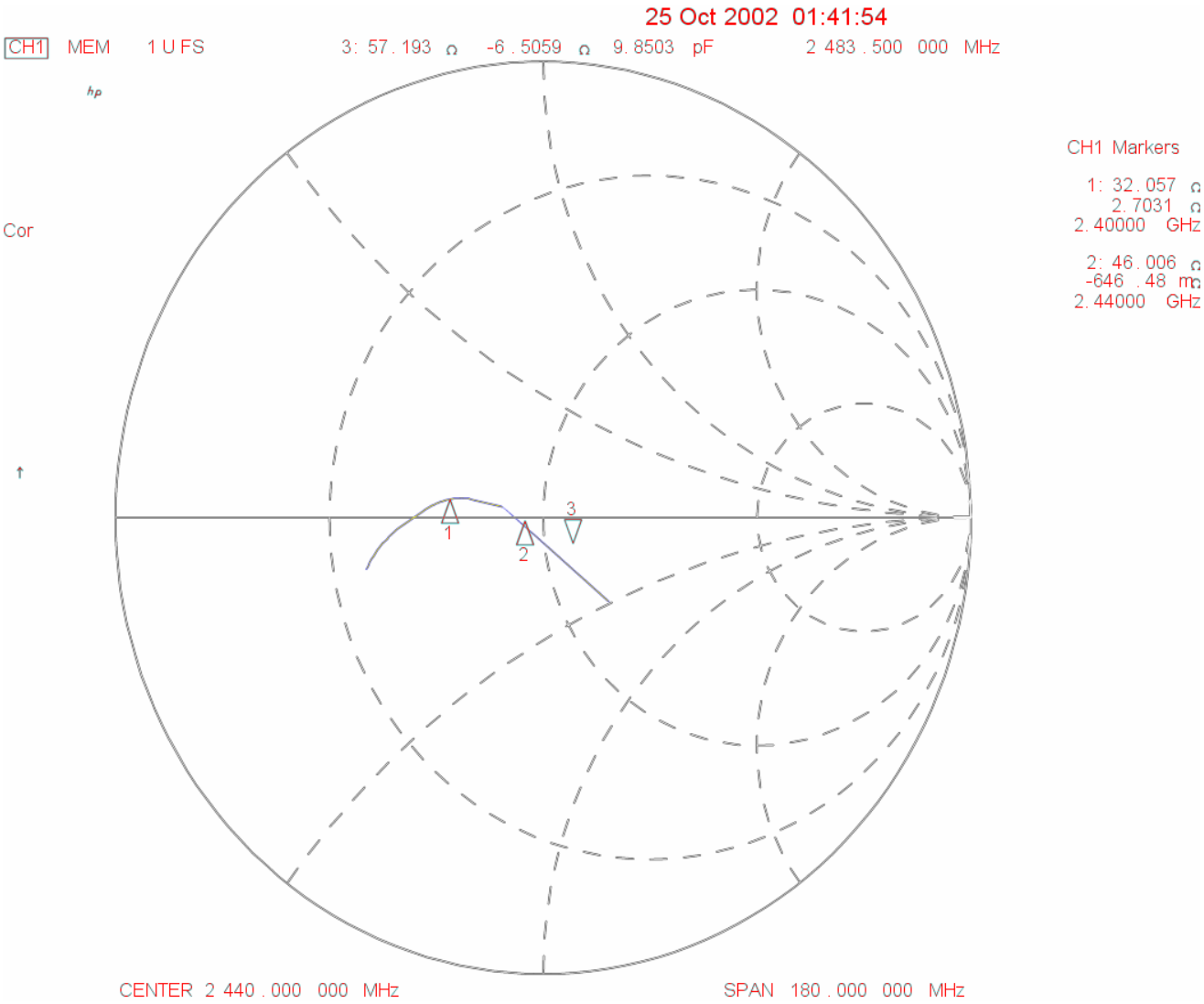
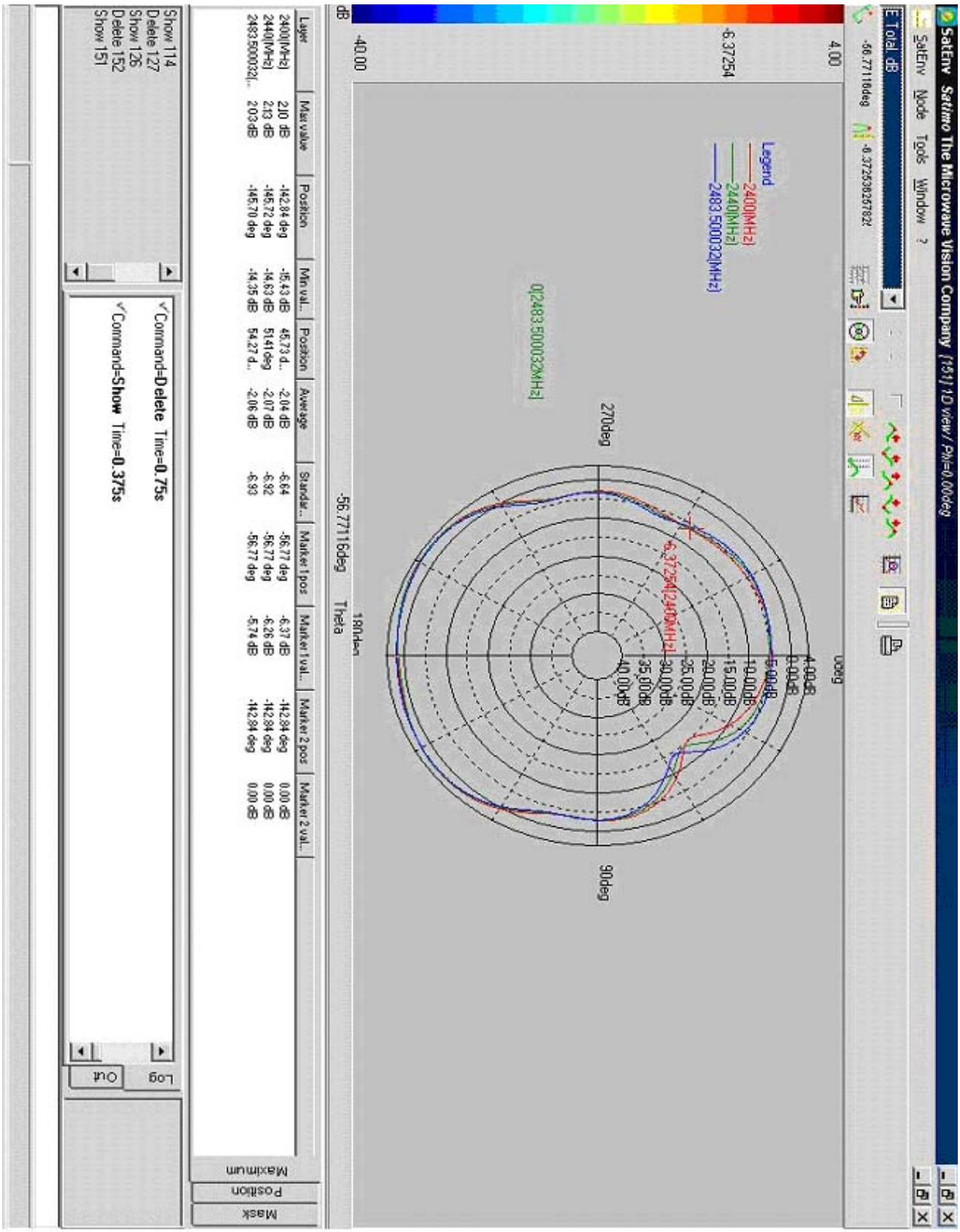


Fig 4. Radiation Pattern

Elevation



Azimuth

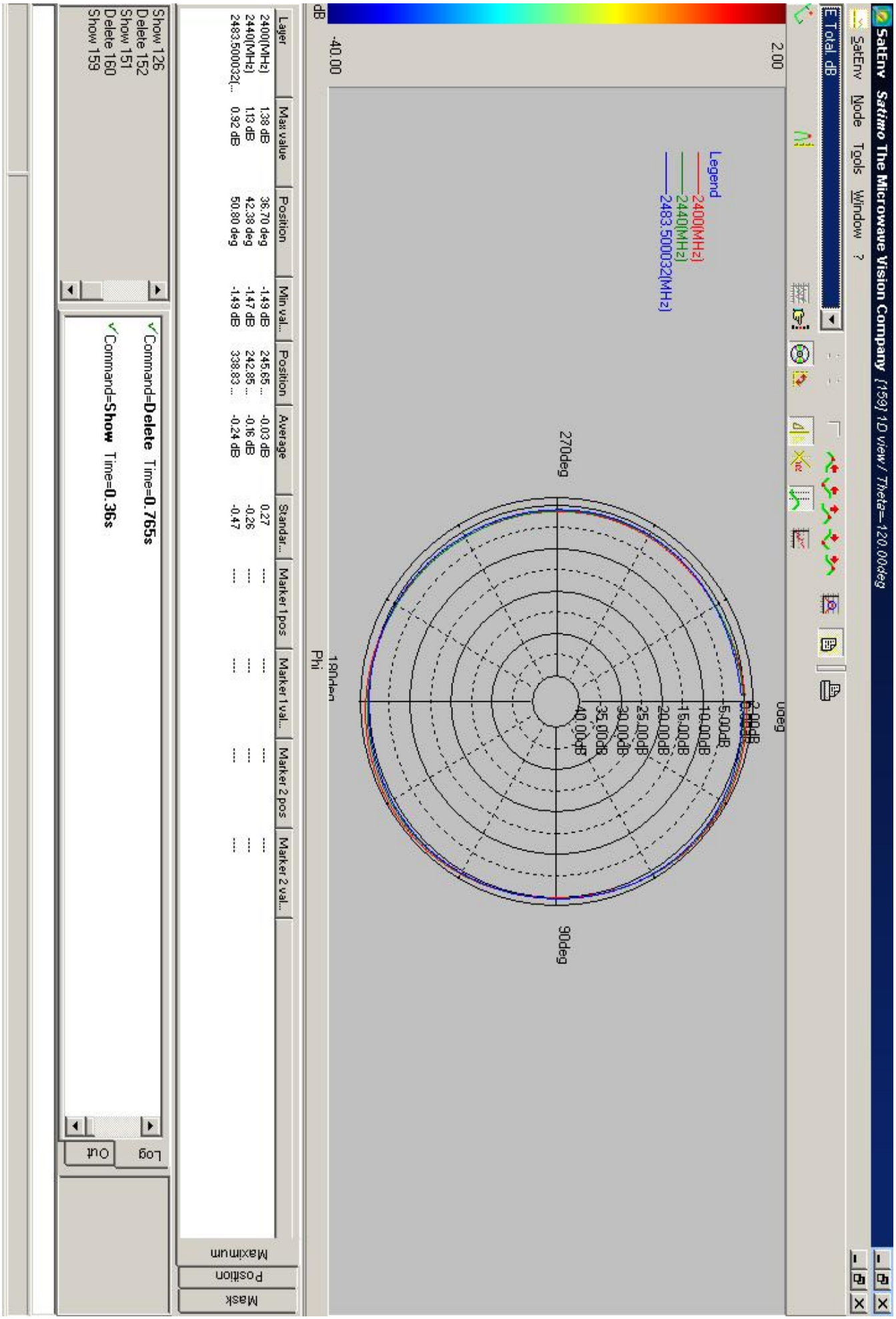

SatEnv Satimo The Microwave Vision Company [159] 1D view / Theta=120.00deg
SatEnv Node Tools Window ?
E Total dB
2.00
-40.00
dB
Legend
2400(MHz)
2440(MHz)
2483.500032(MHz)
0deg
90deg
180deg
270deg
Phi
5.00dB
10.00dB
15.00dB
20.00dB
25.00dB
30.00dB
35.00dB
40.00dB
Layer
Max value
Position
Min val...
Position
Average
Standar...
Marker 1 pos
Marker 1 val...
Marker 2 pos
Marker 2 val...
2400(MHz) 1.38 dB 36.70 deg -1.49 dB 245.65 ... -0.03 dB 0.27
2440(MHz) 1.13 dB 42.38 deg -1.47 dB 242.85 ... -0.16 dB -0.26
2483.500032(... 0.92 dB 50.80 deg -1.49 dB 338.83 ... -0.24 dB -0.47
Mask
Position
Maximum
Log
Out
Command=Delete Time=0.765s
Command=Show Time=0.36s
Show 126
Delete 152
Show 151
Delete 160
Show 159

Fig 5. Mechanical Drawing