

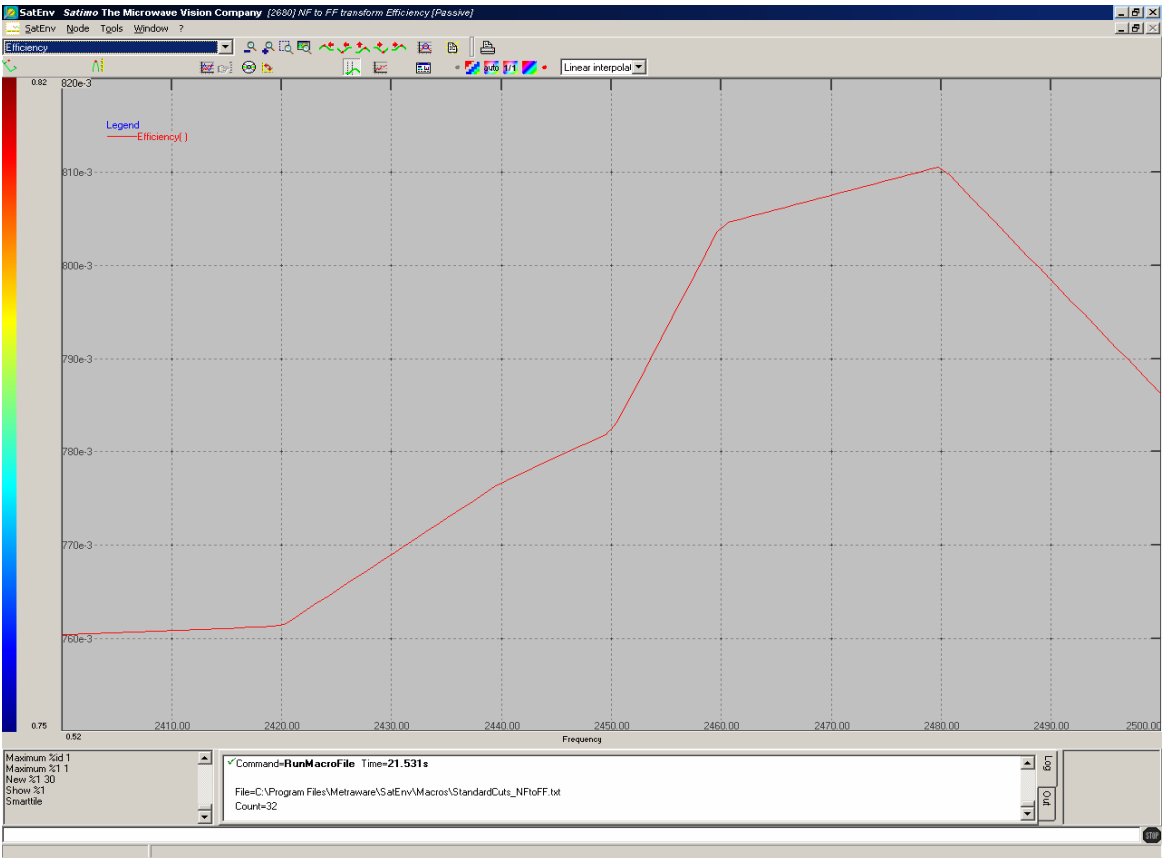
20050922 UT F3000

Matching circuit: shunt0.5pF,series0ohm,shunt5.6nH

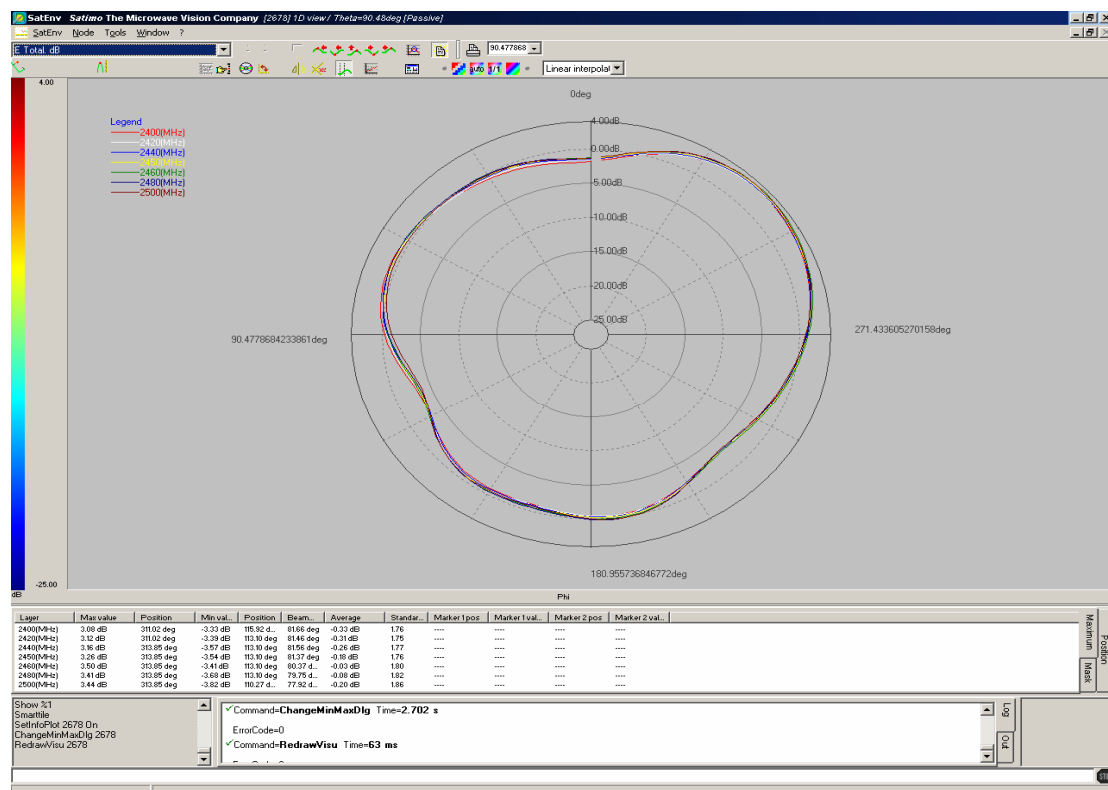
open

1

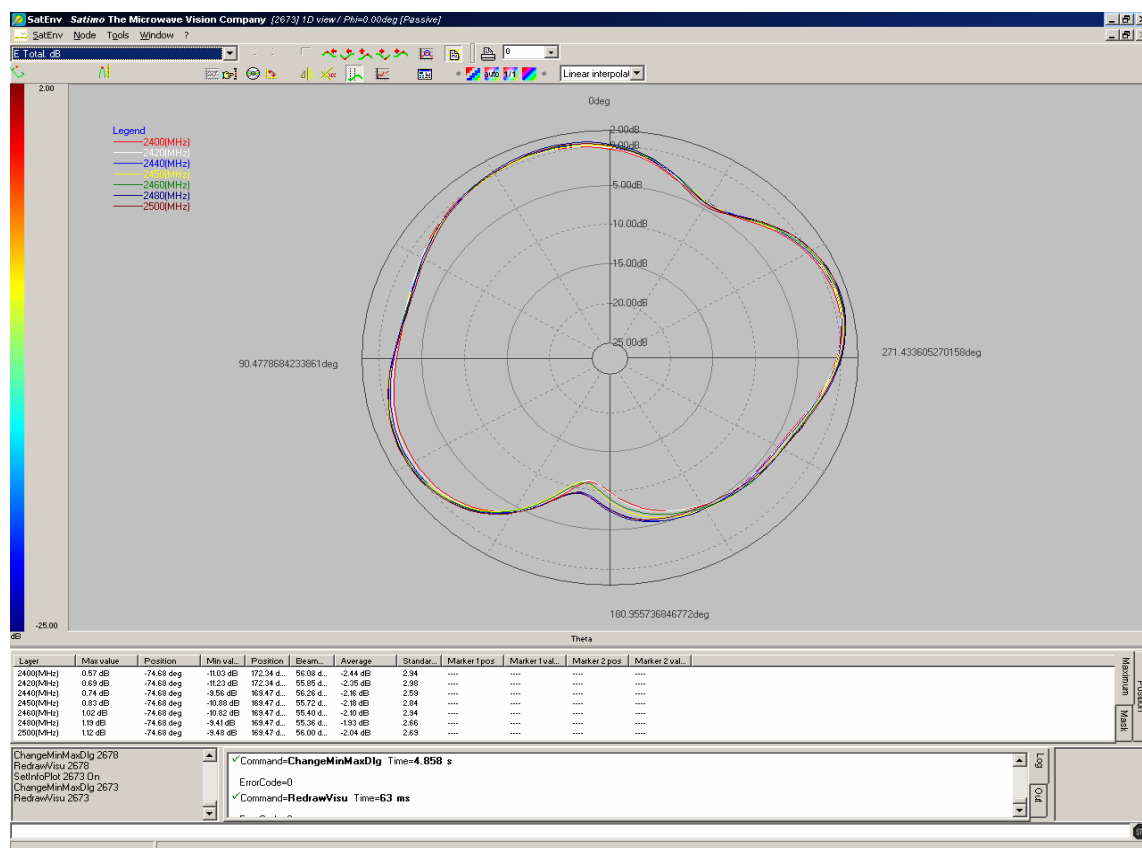
| Frequency | Efficiency |
|-----------|------------|
| 2.4E+09   | 76%        |
| 2.42E+09  | 76%        |
| 2.44E+09  | 78%        |
| 2.45E+09  | 78%        |
| 2.46E+09  | 80%        |
| 2.48E+09  | 81%        |
| 2.5E+09   | 79%        |



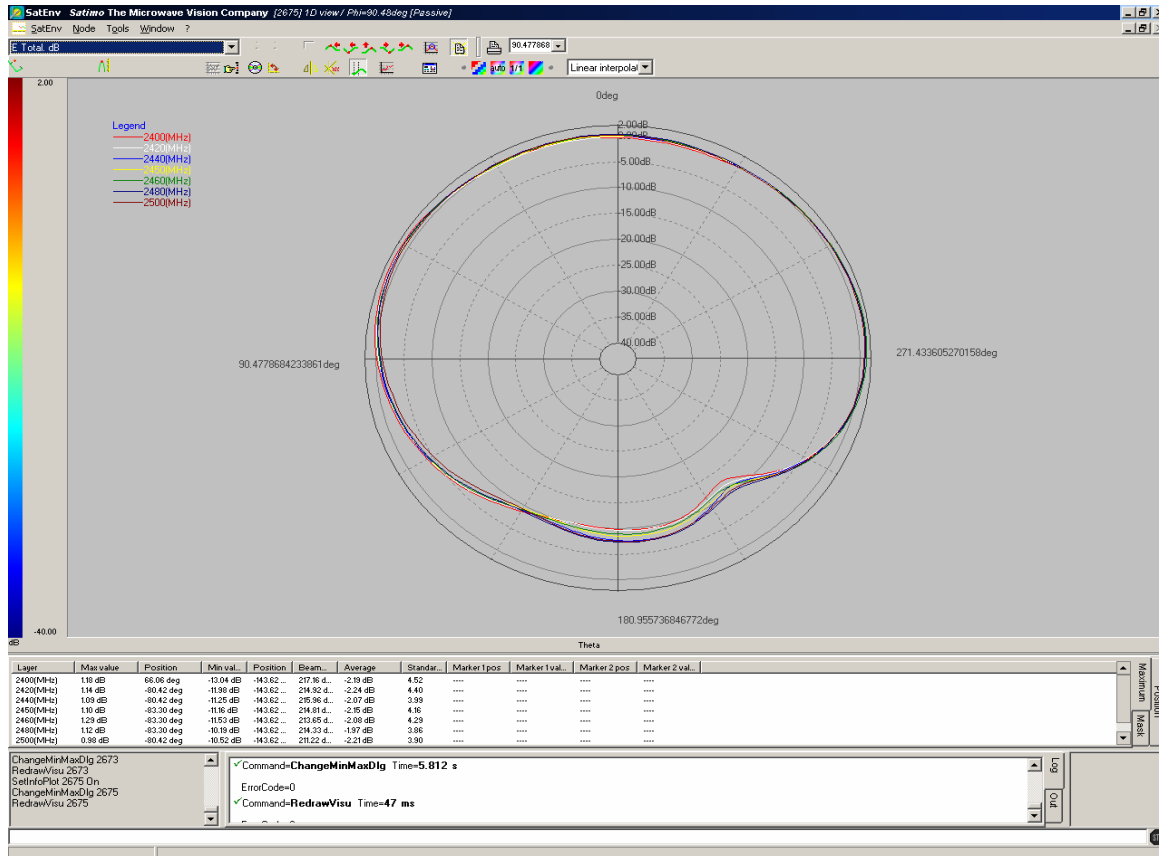
e1



e2



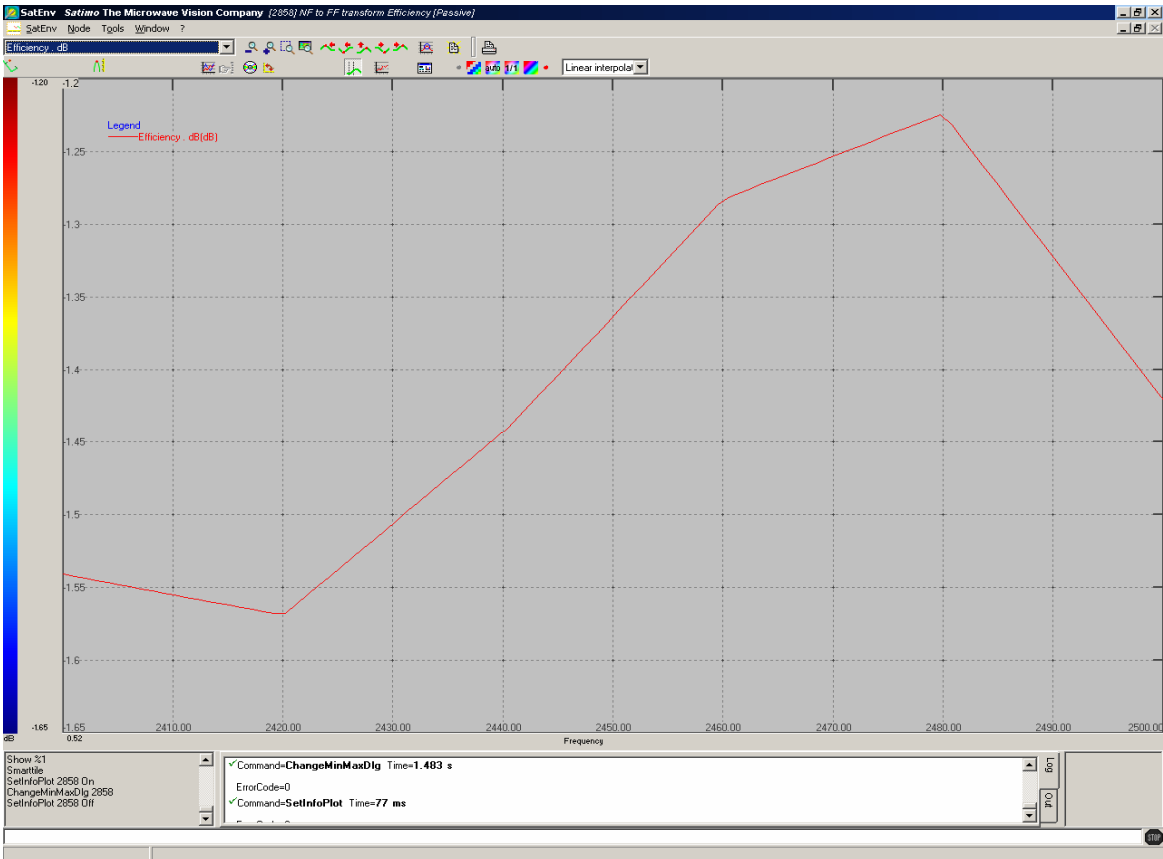
H



closed

1

| Frequency | Efficiency |
|-----------|------------|
| 2.4E+09   | 70%        |
| 2.42E+09  | 70%        |
| 2.44E+09  | 72%        |
| 2.45E+09  | 73%        |
| 2.46E+09  | 74%        |
| 2.48E+09  | 75%        |
| 2.5E+09   | 72%        |



The screenshot shows the SatEnv software interface for a Smith chart plot. The plot displays the reflection coefficient magnitude and phase for five different frequencies: 2400 MHz, 2420 MHz, 2440 MHz, 2460 MHz, and 2480 MHz. The curves are nearly identical, showing a deep notch at approximately 180 degrees. The interface includes a menu bar, a toolbar, a legend, and a data table at the bottom.

**Legend:**

- 2400(MHz)
- 2420(MHz)
- 2440(MHz)
- 2460(MHz)
- 2480(MHz)

**Data Table:**

| Layer     | Min value | Position   | Min val.  | Position    | Beam      | Average  | Standard | Marker 1 pos | Marker 1 val. | Marker 2 pos | Marker 2 val. |
|-----------|-----------|------------|-----------|-------------|-----------|----------|----------|--------------|---------------|--------------|---------------|
| 2400(MHz) | 0.51 dB   | -68.34 deg | -12.33 dB | -155.00 ... | 73.91 deg | -2.52 dB | 2.76     | ....         | ....          | ....         | ....          |
| 2420(MHz) | 0.59 dB   | -68.34 deg | -12.33 dB | -155.00 ... | 74.93 deg | -2.50 dB | 2.71     | ....         | ....          | ....         | ....          |
| 2440(MHz) | 0.63 dB   | -71.61 deg | -11.99 dB | -155.00 ... | 75.15 deg | -2.32 dB | 2.84     | ....         | ....          | ....         | ....          |
| 2450(MHz) | 0.76 dB   | -71.61 deg | -11.90 dB | -155.00 ... | 74.29 deg | -2.26 dB | 2.85     | ....         | ....          | ....         | ....          |
| 2460(MHz) | 0.84 dB   | -71.61 deg | -11.68 dB | -155.00 ... | 73.61 deg | -2.25 dB | 2.86     | ....         | ....          | ....         | ....          |
| 2480(MHz) | 0.92 dB   | -71.61 deg | -11.75 dB | -155.00 ... | 73.47 deg | -2.18 dB | 2.82     | ....         | ....          | ....         | ....          |
| 2500(MHz) | 0.70 dB   | -68.34 deg | -11.60 dB | -155.00 ... | 74.07 deg | -2.31 dB | 2.86     | ....         | ....          | ....         | ....          |

**Command Log:**

- ✓ Command=ChangeMinMaxDlg Time=3.500 s
- ✓ Command=RedrawVisu Time=61 ms

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