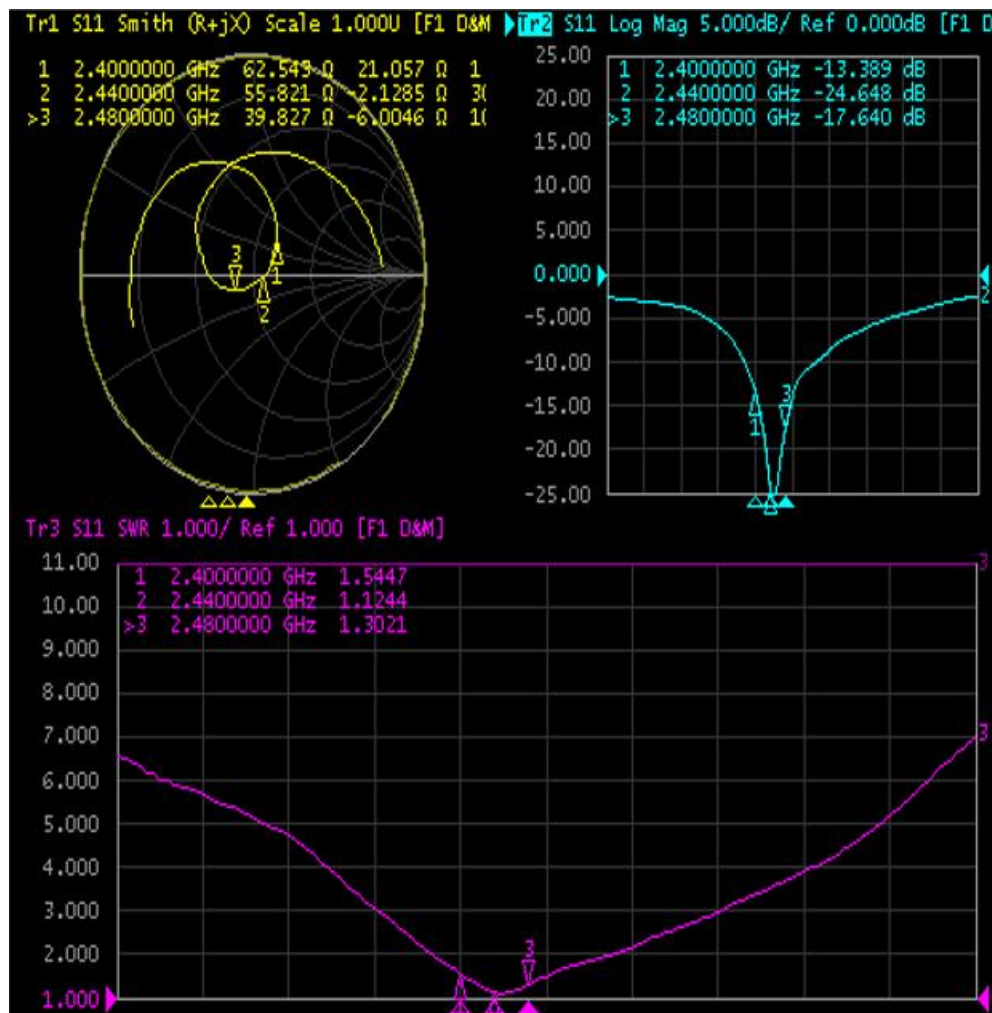


# MW75 Kanto Antenna specification

2024/2/22 DV build  
Daniel Kuo

S11

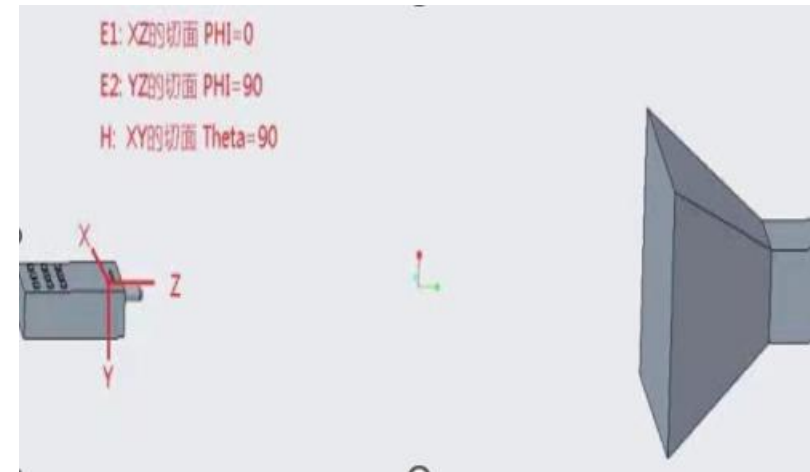


Passive Efficiency

无源效率增益（自由空间）

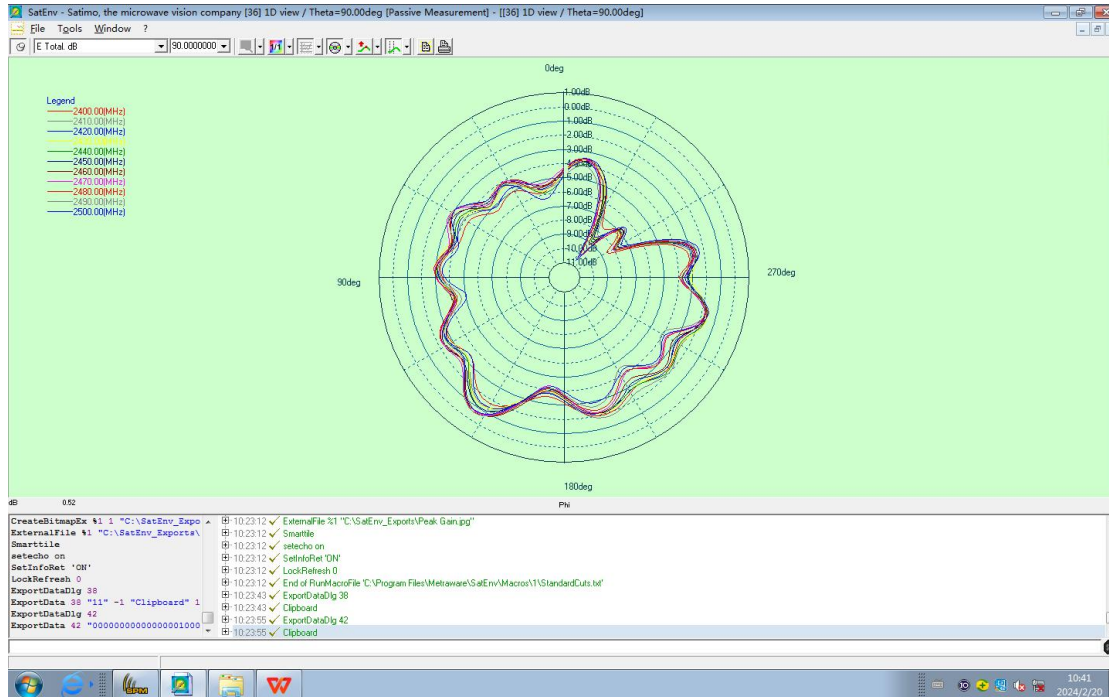
| 频率(MHz) | 效率%    | 效率(dB) | 增益(dBi) |
|---------|--------|--------|---------|
| 2400    | 38.28% | -4.17  | 1.12    |
| 2410    | 39.87% | -3.99  | 1.43    |
| 2420    | 39.22% | -4.06  | 1.35    |
| 2430    | 39.78% | -4.00  | 1.41    |
| 2440    | 39.62% | -4.02  | 1.30    |
| 2450    | 40.01% | -3.98  | 1.65    |
| 2460    | 39.85% | -4.00  | 1.64    |
| 2470    | 38.40% | -4.16  | 1.51    |
| 2480    | 38.29% | -4.17  | 1.67    |
| 平均值     | 39.3%  | -4.06  | 1.45    |

# Position

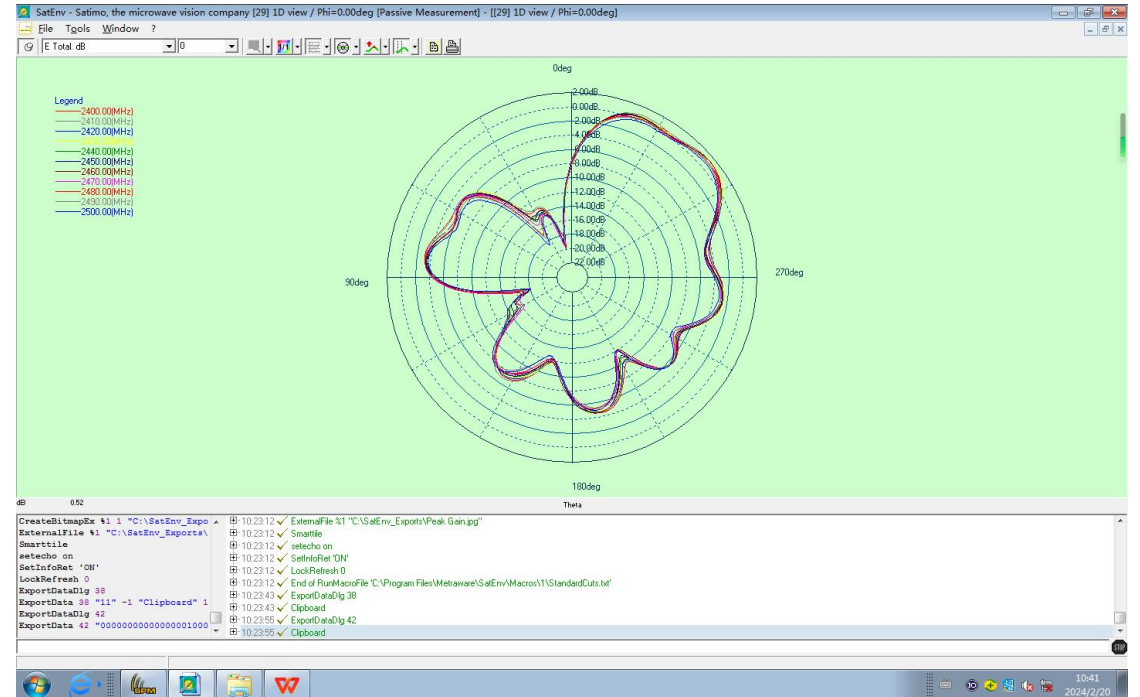


|           |               |  |
|-----------|---------------|--|
| Phi=0°    | Cut= XZ Plane |  |
| Phi=90°   | Cut= YZ Plane |  |
| Theta=90° | Cut= XY Plane |  |

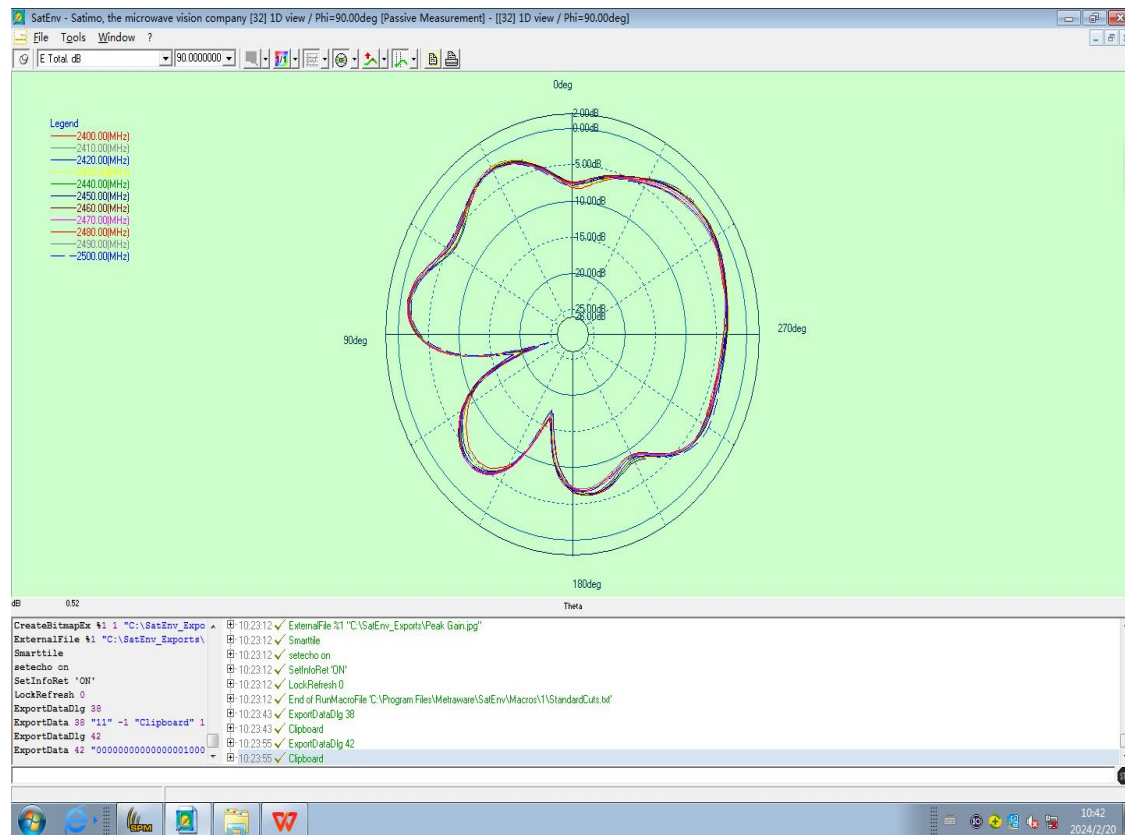
# Theta=90



# Phi=0



# Phi=90



Conducted performance

传导数据

| 信道 | TRP (dBm) | TIS (dBm) |
|----|-----------|-----------|
| 0  | 8.53      | -92       |
| 39 | 8.88      | -93       |
| 78 | 9.3       | -93       |

OTA performance (free space)

OTA（自由空间）

| 信道 | TRP (dBm) | TIS (dBm) |
|----|-----------|-----------|
| 0  | 6.64      | -89.87    |
| 39 | 6.72      | -90.14    |
| 78 | 6.76      | -90.25    |

