

ART SIGNAL

ANTENNA TOTAL SOLUTION



| **2.4G Antenna Test Data**

Solu-M Newton PRO 6.0” #1 ANT Test Data

- Network & 3D gain & 3D Radiation Pattern

Solu-M Newton PRO 7.5” #2 ANT Test Data

- Network & 3D gain & 3D Radiation Pattern

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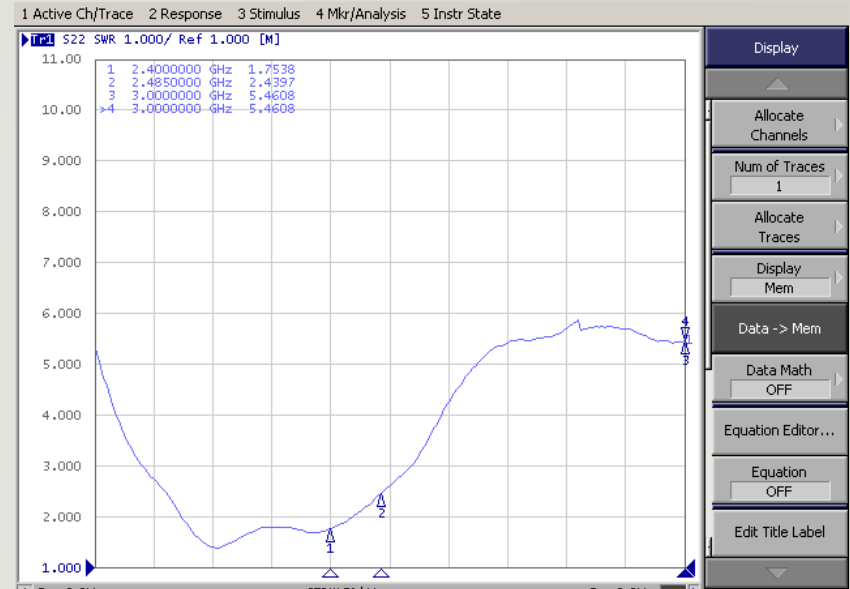
A N T E N N A T O T A L S O L U T I O N

Solu-M Newton PRO 7.5" #2 TEST DATA

Picture



VSWR

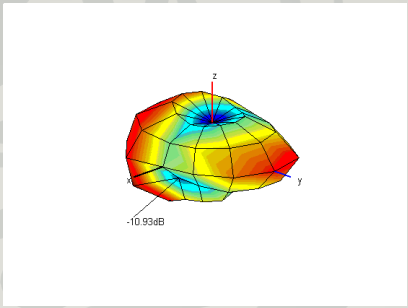
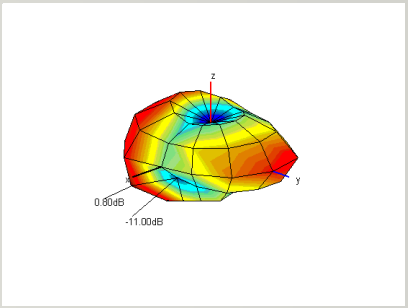
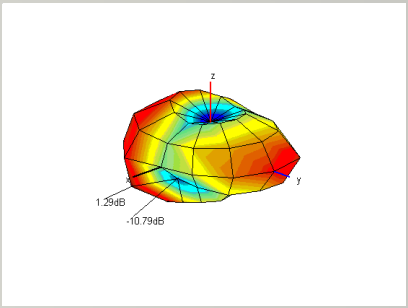
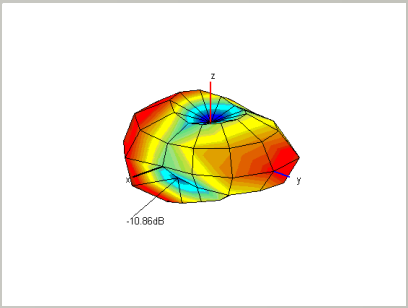
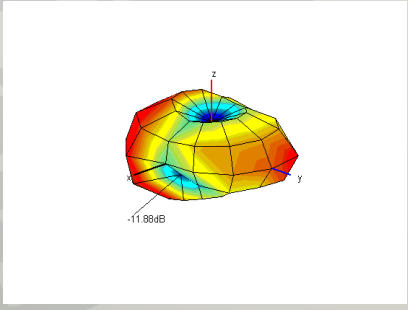


3D gain

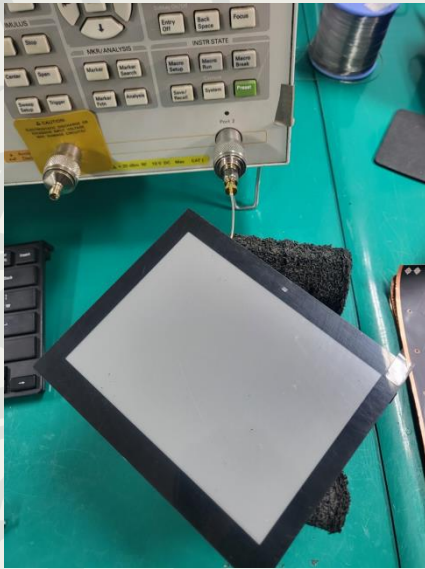
| | 1 | 2 | 3 | 4 | 5 |
|--------------------------|--------|--------|--------|--------|--------|
| Frequency [MHz] | 2400 | 2420 | 2440 | 2460 | 2485 |
| Efficiency [dB] | -3.57 | -3.09 | -2.49 | -2.54 | -2.96 |
| Efficiency [%] | 43.9 | 49.1 | 56.4 | 55.7 | 50.6 |
| Peak Gain [dB] | 0.28 | 0.80 | 1.29 | 1.22 | 1.25 |
| Directivity [dB] | 3.86 | 3.90 | 3.78 | 3.76 | 4.21 |
| Minimum Gain [dB] | -10.93 | -11.00 | -10.79 | -10.86 | -11.88 |

2.4G ANT DATA - 3D Radiation Pattern

3D Radiation Pattern

| 2400 | 2420 | 2440 | 2460 |
|---|---|--|---|
|  <p>3D radiation pattern for 2400 MHz. The plot shows a main lobe centered at the top (z-axis) with a minimum value of -10.93dB. The x, y, and z axes are labeled.</p> |  <p>3D radiation pattern for 2420 MHz. The plot shows a main lobe centered at the top (z-axis) with a minimum value of -11.00dB. The x, y, and z axes are labeled.</p> |  <p>3D radiation pattern for 2440 MHz. The plot shows a main lobe centered at the top (z-axis) with a minimum value of -10.79dB. The x, y, and z axes are labeled.</p> |  <p>3D radiation pattern for 2460 MHz. The plot shows a main lobe centered at the top (z-axis) with a minimum value of -10.86dB. The x, y, and z axes are labeled.</p> |
| 2485 | | | |
|  <p>3D radiation pattern for 2485 MHz. The plot shows a main lobe centered at the top (z-axis) with a minimum value of -11.88dB. The x, y, and z axes are labeled.</p> | | | |

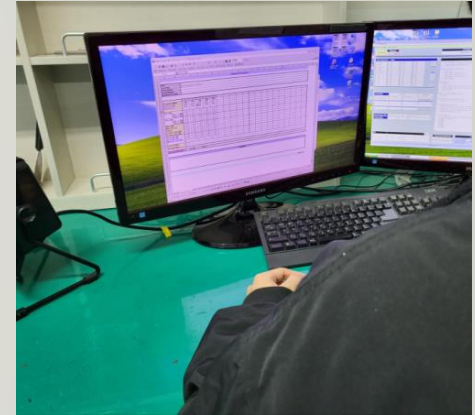
Measurement Procedure



Network Analyzer을
이용하여 VSWR 측정



3D Chamber에 Set 거치



Program을 이용하여
Gain 측정

Measurement Equipment

Network Analyzer



E5071B (Agilent)



8753ES (Agilent)



CTIA 3D OTA Chamber(A+Tech)