

ART SIGNAL

ANTENNA TOTAL SOLUTION



| 2.4G Antenna Test Data

Solu-M Dual tag ANT #1 2.4G Antenna Test Data - Network & 3D gain & 3D Radiation Pattern

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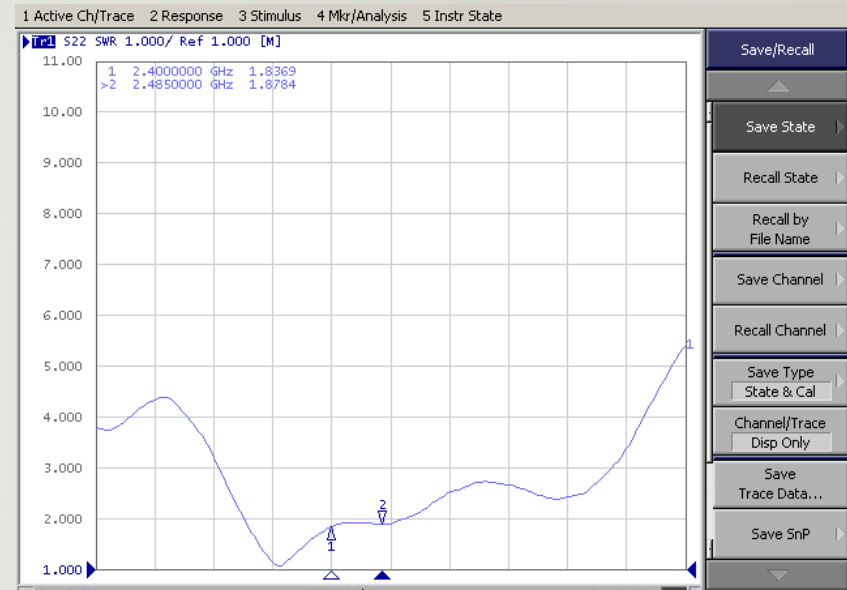
A N T E N N A T O T A L S O L U T I O N

Solu-M Dual tag #1 TEST DATA

Picture



VSWR

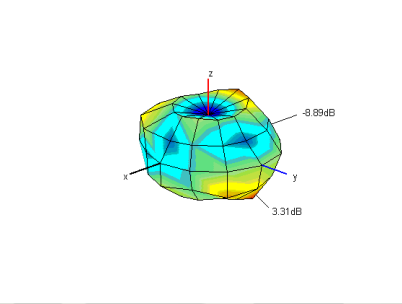
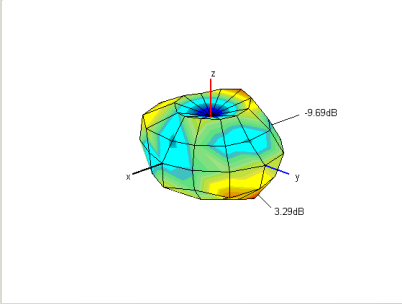
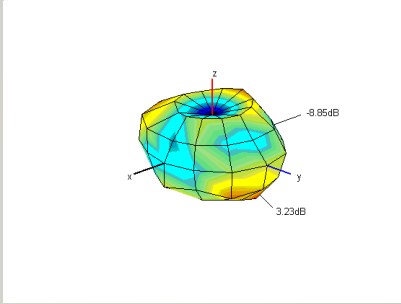
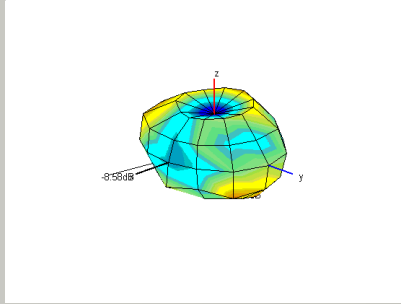
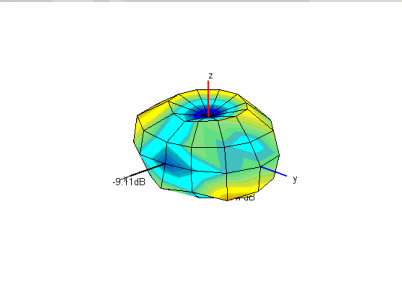


3D gain

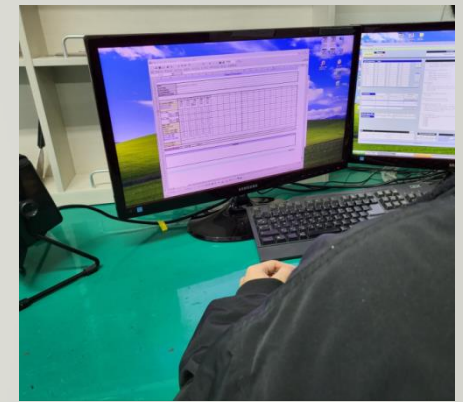
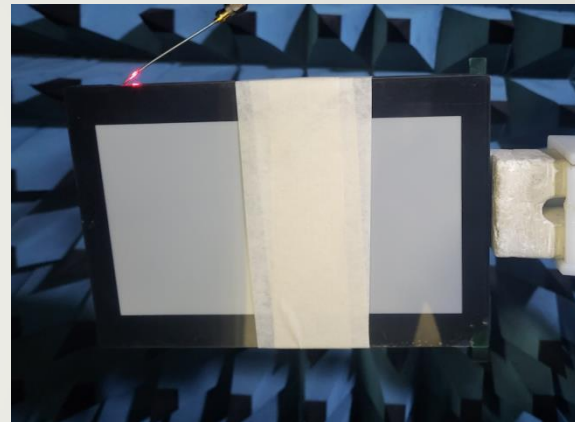
	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-3.33	-3.20	-2.77	-2.94	-3.22
Efficiency [%]	46.4	47.9	52.9	50.8	47.7
Peak Gain [dB]	3.31	3.29	3.23	3.32	3.47
Directivity [dB]	6.64	6.49	6.00	6.26	6.69
Minimum Gain [dB]	-8.89	-9.70	-8.86	-8.58	-9.12

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 with a peak gain of 3.31 dB and a side lobe level of -8.89 dB. The x, y, and z axes are shown.</p>	 <p>3D radiation pattern for 2420 MHz. The plot shows a main lobe with a peak gain of 3.29 dB and a side lobe level of -9.69 dB. The x, y, and z axes are shown.</p>	 <p>3D radiation pattern for 2440 MHz. The plot shows a main lobe with a peak gain of 3.23 dB and a side lobe level of -8.85 dB. The x, y, and z axes are shown.</p>	 <p>3D radiation pattern for 2460 MHz. The plot shows a main lobe with a peak gain of 3.23 dB and a side lobe level of -8.58 dB. The x, y, and z axes are shown.</p>
2485			
 <p>3D radiation pattern for 2485 MHz. The plot shows a main lobe with a peak gain of 3.23 dB and a side lobe level of -9.11 dB. The x, y, and z axes are shown.</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)