

ART SIGNAL

ANTENNA TOTAL SOLUTION



| 2.4G Antenna Test Data

Solu-M Newton -S 2.6” #1 ANT Test Data - Network & 3D gain & 3D Radiation Pattern

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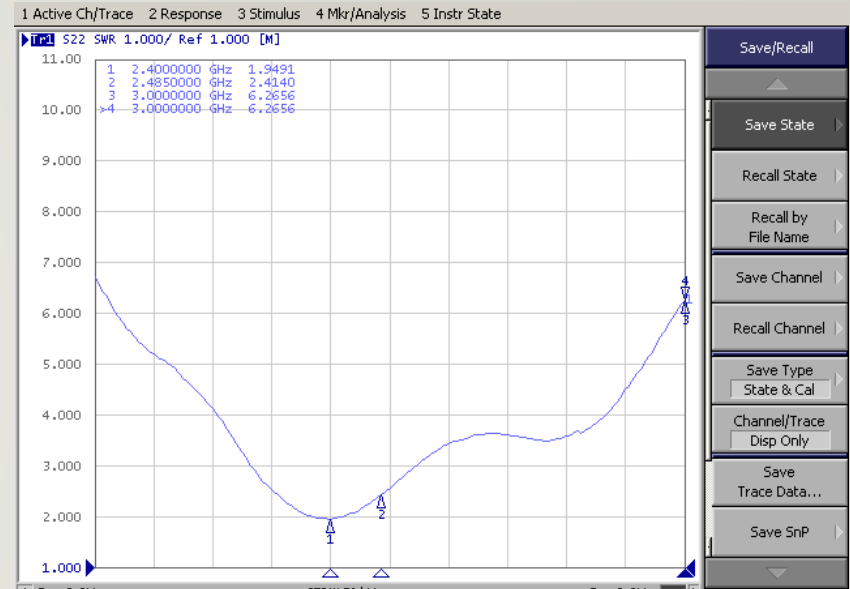
A N T E N N A T O T A L S O L U T I O N

Solu-M Newton-S 2.6" #1 TEST DATA

Picture



VSWR

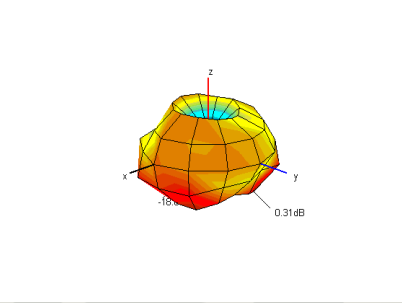
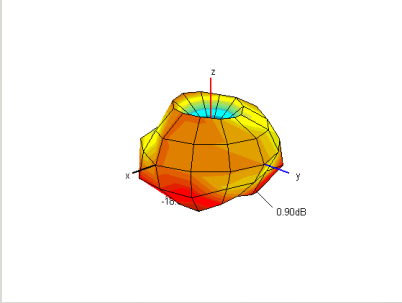
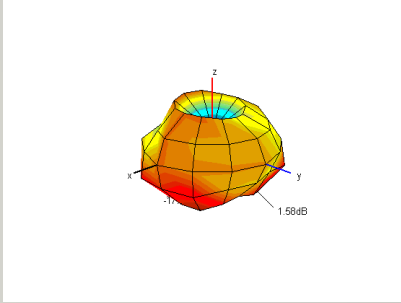
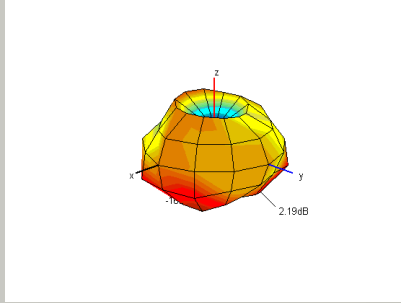
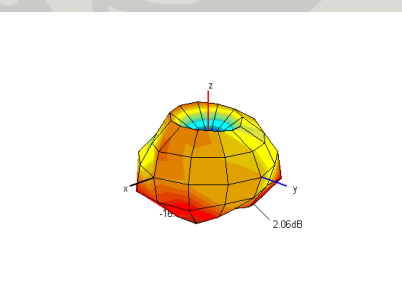


3D gain

	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-5.49	-4.86	-4.15	-3.59	-3.76
Efficiency [%]	28.2	32.7	38.5	43.8	42.1
Peak Gain [dB]	0.31	0.90	1.58	2.19	2.06
Directivity [dB]	5.80	5.76	5.73	5.77	5.81
Minimum Gain [dB]	-18.03	-18.01	-17.50	-16.70	-16.45

2.4G ANT DATA - 3D Radiation Pattern

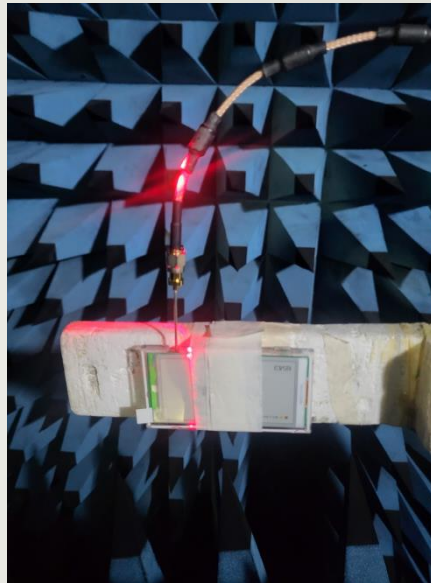
3D Radiation Pattern

2400	2420	2440	2460
 <p>3D radiation pattern for 2400 MHz. The plot shows a hemispherical radiation pattern with a peak gain of 0.31 dB and a minimum gain of -1.6 dB. The x, y, and z axes are shown.</p>	 <p>3D radiation pattern for 2420 MHz. The plot shows a hemispherical radiation pattern with a peak gain of 0.90 dB and a minimum gain of -1.6 dB. The x, y, and z axes are shown.</p>	 <p>3D radiation pattern for 2440 MHz. The plot shows a hemispherical radiation pattern with a peak gain of 1.58 dB and a minimum gain of -1.6 dB. The x, y, and z axes are shown.</p>	 <p>3D radiation pattern for 2460 MHz. The plot shows a hemispherical radiation pattern with a peak gain of 2.19 dB and a minimum gain of -1.6 dB. The x, y, and z axes are shown.</p>
2485			
 <p>3D radiation pattern for 2485 MHz. The plot shows a hemispherical radiation pattern with a peak gain of 2.06 dB and a minimum gain of -1.6 dB. The x, y, and z axes are shown.</p>			

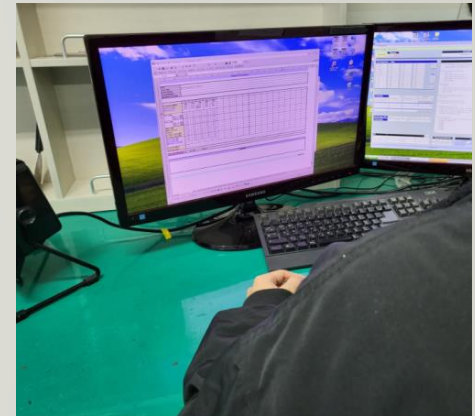
Measurement Procedure



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)