ART SIGNAL

ANTENNA TOTAL SOLUTION

2.4G Antenna Test Data

Solu-M Newton-PRO 9.7” tag #1 ANT Test Data

- Network & 3D gain & 3D Radiation Pattern

2024-01-05

Test by : Dong-Kyu Hwang

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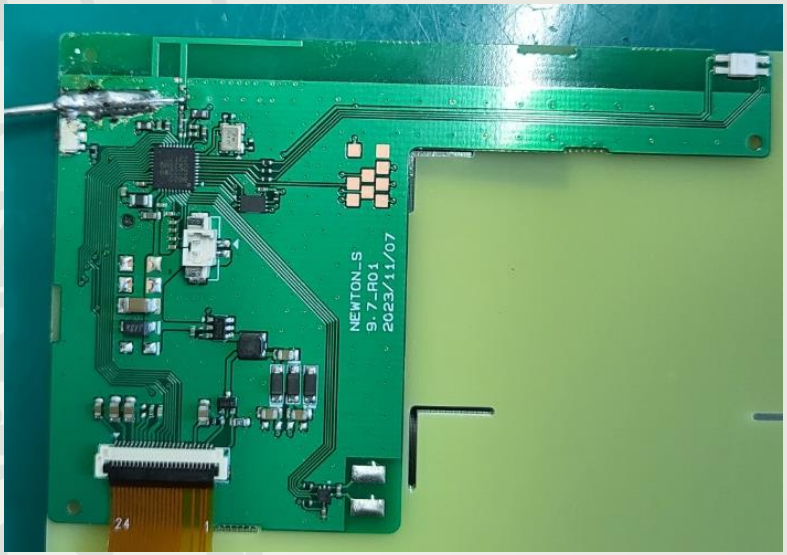
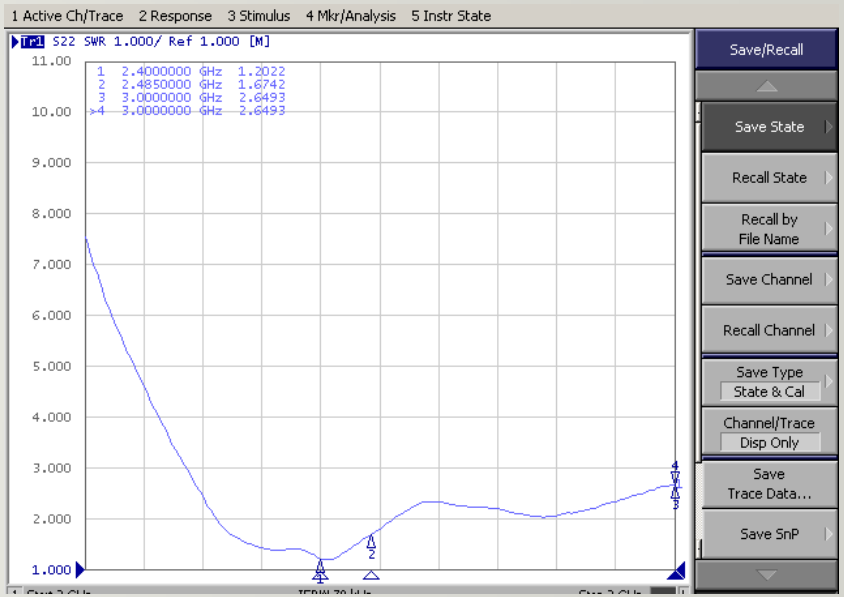
Jungwon-gu, Seongnam-si, Gyeonggi-do, KOREA

Solu-M Newton-PRO 9.7”tag #1 TEST DATA

Picture



VSWR

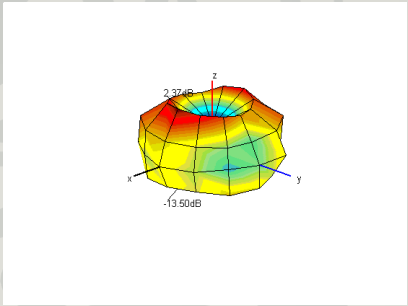
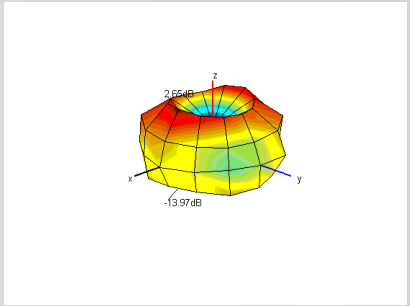
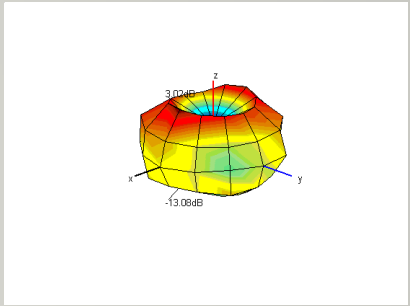
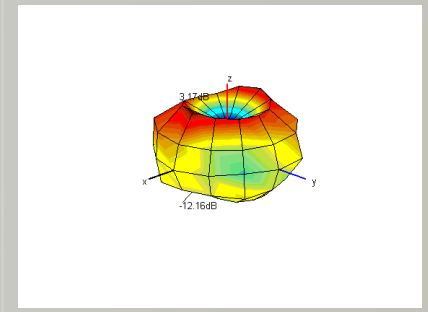
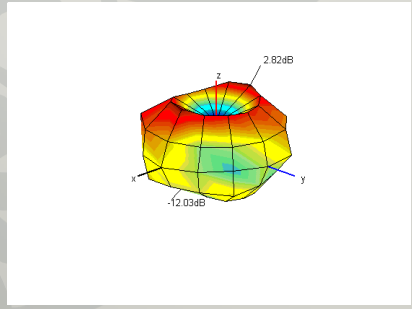


3D gain

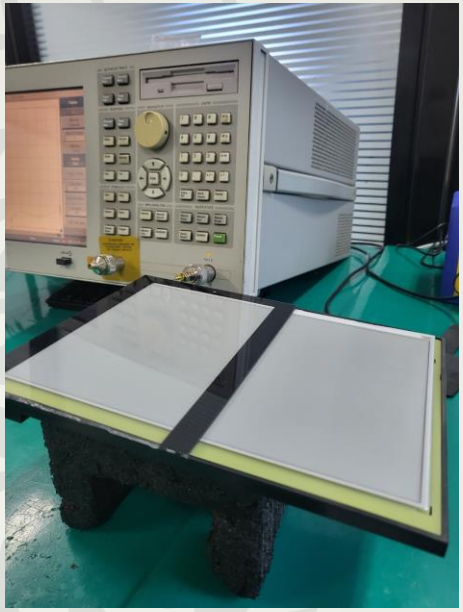
	1	2	3	4	5
Frequency [MHz]	**2400**	**2420**	**2440**	**2460**	**2485**
Efficiency [dB]	**-3.89**	**-3.39**	**-2.83**	**-2.54**	**-2.67**
Efficiency [%]	**40.8**	**45.9**	**52.2**	**55.7**	**54.1**
Peak Gain [dB]	2.37	2.65	3.02	3.17	2.82
Directivity [dB]	6.26	6.03	5.84	5.71	5.49
Minimum Gain [dB]	-13.50	-13.97	-13.08	-12.16	-12.03

2.4G ANT DATA – 3D Radiation Pattern

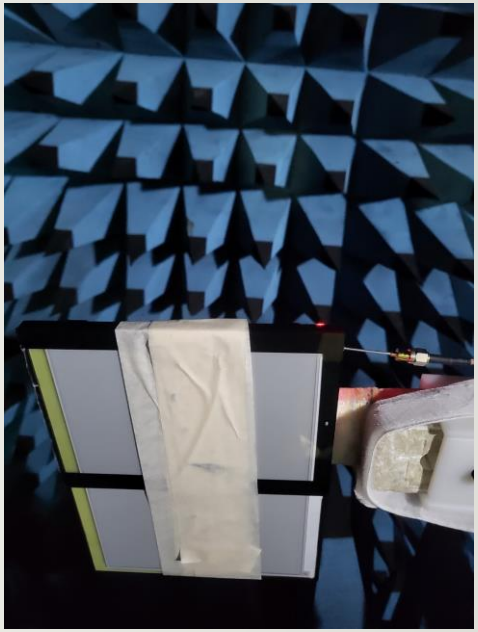
3D Radiation Pattern

2400	2420	2440	2460
			
2485			
			

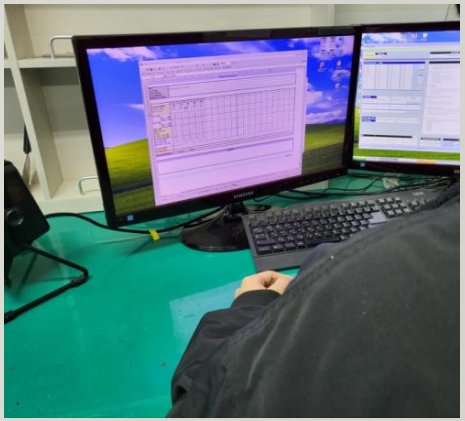
Measurement Procedure



Network Analyzer을 이용하여 VSWR 측정



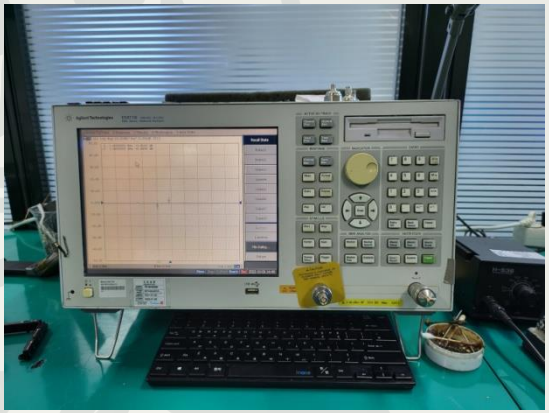
3D Chamber에 Set 거치



Program을 이용하여 Gain 측정

Measurement Equipment

Network Analyzer



E5071B (Agilent)

8753ES (Agilent)

CTIA 3D OTA Chamber(A+Tech)