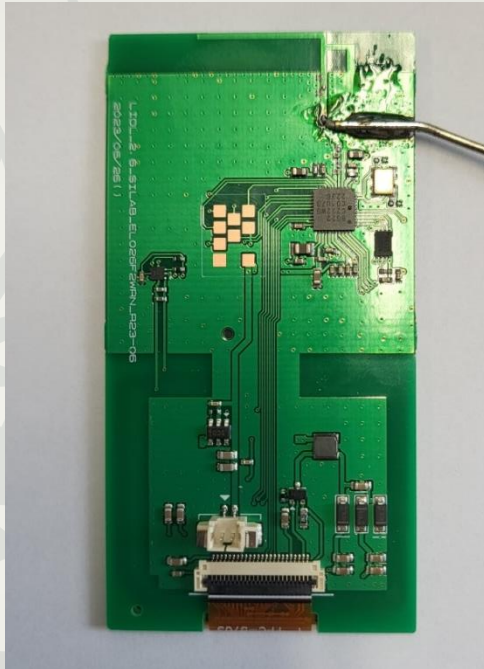
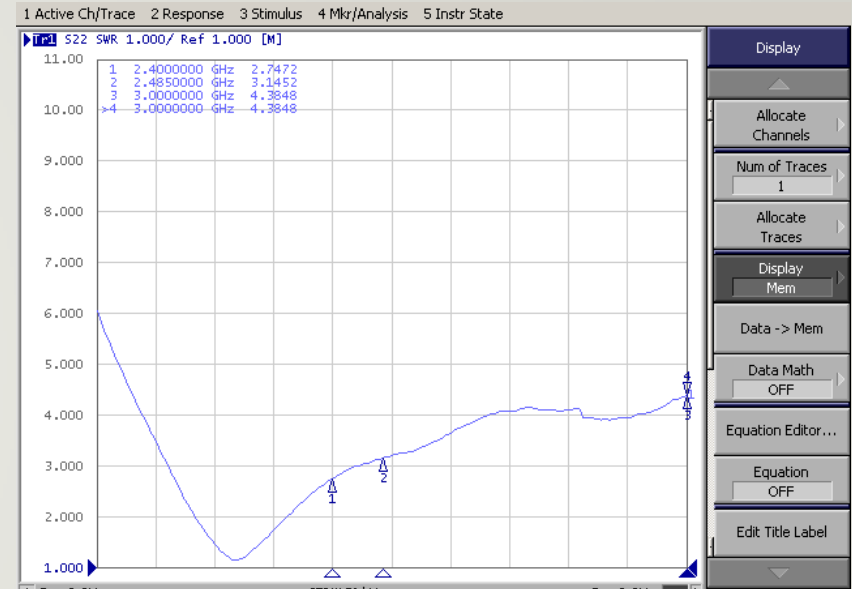


Solu-M Newton Silabs 2.6"(LIDL) #1 TEST DATA

Picture



VSWR

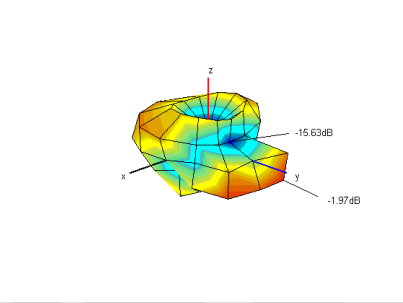
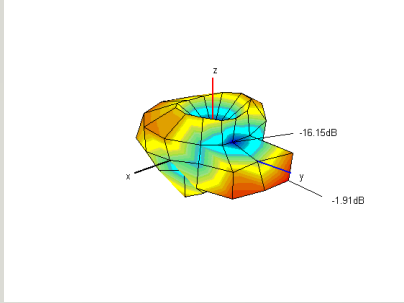
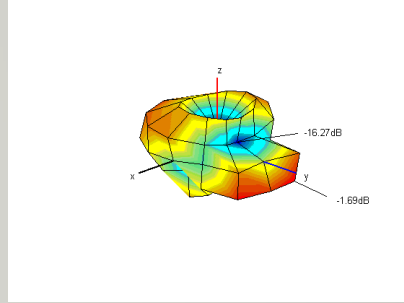
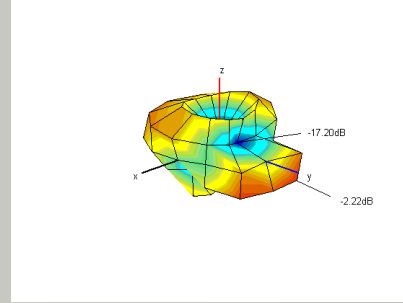
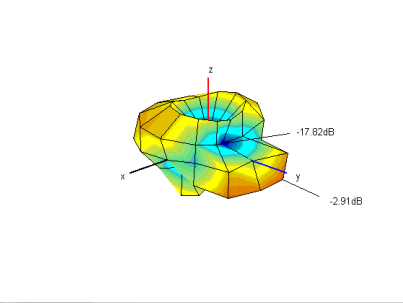


3D gain

	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-6.38	-6.29	-6.08	-6.48	-6.90
Efficiency [%]	23.0	23.5	24.6	22.5	20.4
Peak Gain [dB]	-1.97	-1.91	-1.69	-2.22	-2.91
Directivity [dB]	4.41	4.39	4.39	4.26	4.00
Minimum Gain [dB]	-15.63	-16.15	-16.27	-17.20	-17.82

2.4G ANT DATA – 3D Radiation Pattern

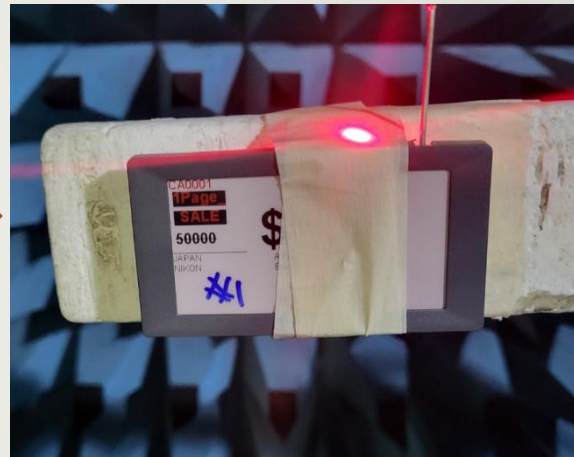
3D Radiation Pattern

2400	2420	2440	2460
 3D Radiation Pattern for 2400 MHz. The plot shows a main lobe with a peak gain of -15.63 dB and a side lobe with a gain of -1.97 dB. The x, y, and z axes are indicated.	 3D Radiation Pattern for 2420 MHz. The plot shows a main lobe with a peak gain of -16.15 dB and a side lobe with a gain of -1.91 dB. The x, y, and z axes are indicated.	 3D Radiation Pattern for 2440 MHz. The plot shows a main lobe with a peak gain of -16.27 dB and a side lobe with a gain of -1.69 dB. The x, y, and z axes are indicated.	 3D Radiation Pattern for 2460 MHz. The plot shows a main lobe with a peak gain of -17.20 dB and a side lobe with a gain of -2.22 dB. The x, y, and z axes are indicated.
2485			
 3D Radiation Pattern for 2485 MHz. The plot shows a main lobe with a peak gain of -17.82 dB and a side lobe with a gain of -2.91 dB. The x, y, and z axes are indicated.			

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)**

ART SIGNAL

ANTENNA TOTAL SOLUTION



Antenna manufacturer : SOLUM CO.,LTD.
Address : 7F, 2354, Yonggu-daero, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea