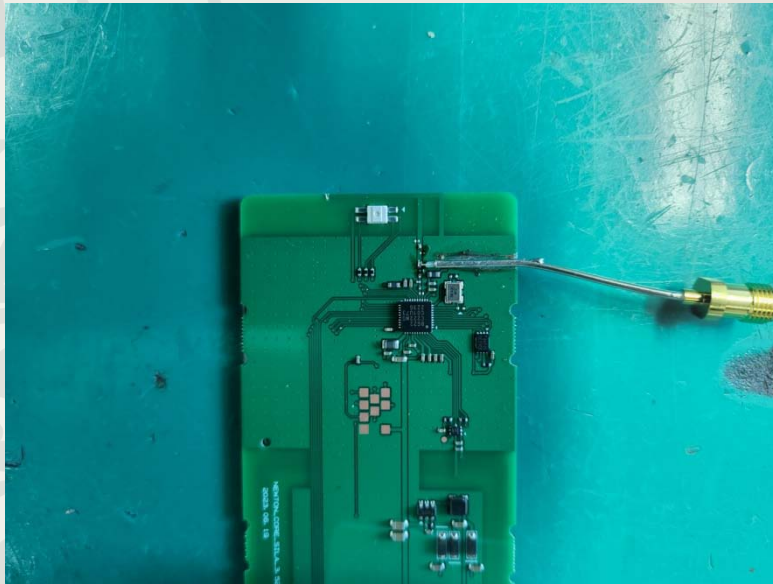
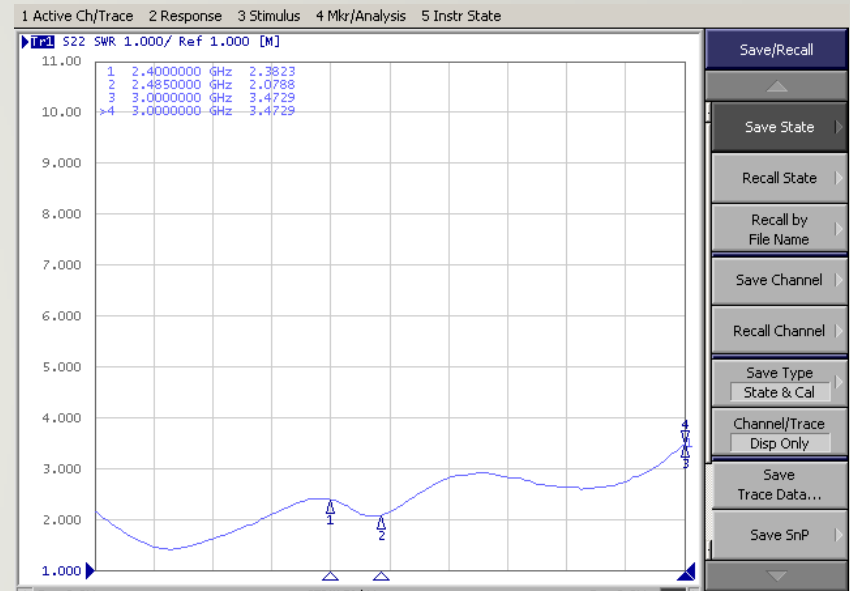


Solu-M Newton Core Silabs 3.52" TEST DATA

Picture



VSWR

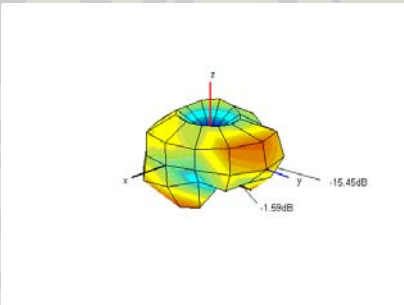
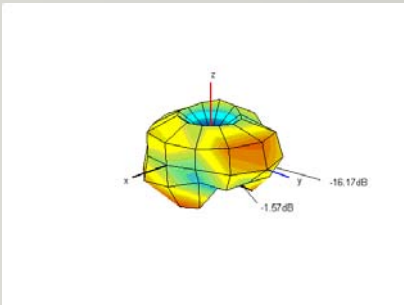
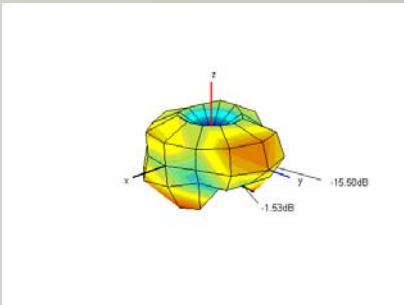
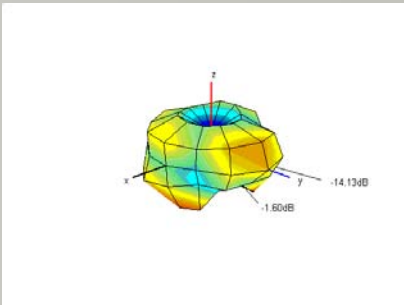
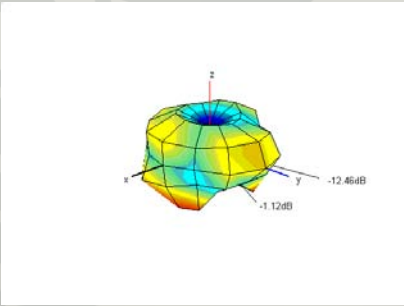


3D gain

	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-6.83	-6.91	-6.79	-6.78	-6.56
Efficiency [%]	20.7	20.4	20.9	21.0	22.1
Peak Gain [dB]	-1.59	-1.57	-1.53	-1.60	-1.12
Directivity [dB]	5.25	5.34	5.26	5.19	5.44
Minimum Gain [dB]	-15.45	-16.17	-15.50	-14.13	-12.46

2.4G ANT DATA – 3D Radiation Pattern

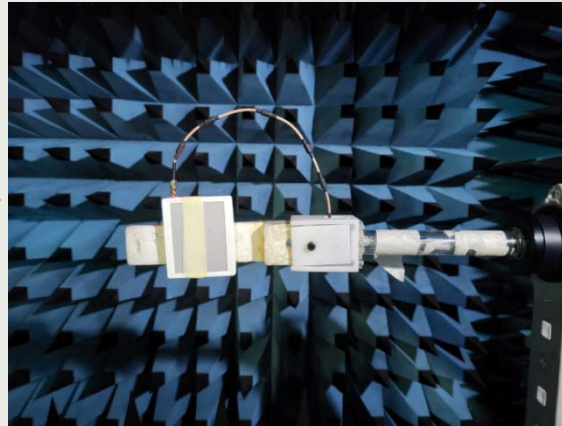
3D Radiation Pattern

2400	2420	2440	2460
 <p>3D radiation pattern for 2400 MHz. The plot shows a central peak with a maximum gain of -1.58 dB and a side lobe level of -15.45 dB. The x, y, and z axes are shown.</p>	 <p>3D radiation pattern for 2420 MHz. The plot shows a central peak with a maximum gain of -1.57 dB and a side lobe level of -16.17 dB. The x, y, and z axes are shown.</p>	 <p>3D radiation pattern for 2440 MHz. The plot shows a central peak with a maximum gain of -1.53 dB and a side lobe level of -15.50 dB. The x, y, and z axes are shown.</p>	 <p>3D radiation pattern for 2460 MHz. The plot shows a central peak with a maximum gain of -1.60 dB and a side lobe level of -14.13 dB. The x, y, and z axes are shown.</p>
2485			
 <p>3D radiation pattern for 2485 MHz. The plot shows a central peak with a maximum gain of -1.12 dB and a side lobe level of -12.46 dB. The x, y, and z axes are shown.</p>			

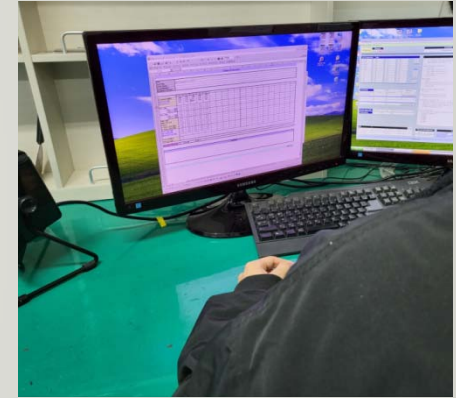
Measurement Procedure



Network Analyzer을
이용하여 VSWR 측정



3D Chamber에 Set 거치



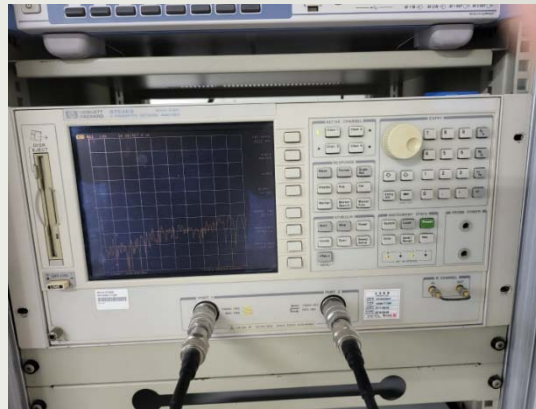
Program을 이용하여
Gain 측정

Measurement Equipment

Network Analyzer



E5071B (Agilent)



8753ES (Agilent)



CTIA 3D OTA Chamber(A+Tech)