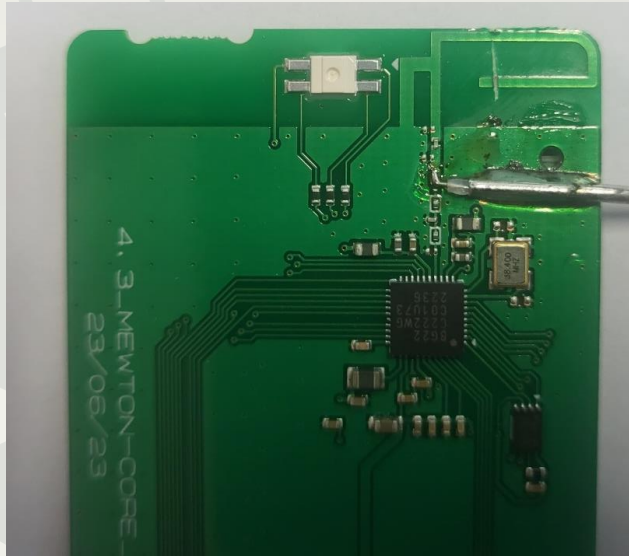
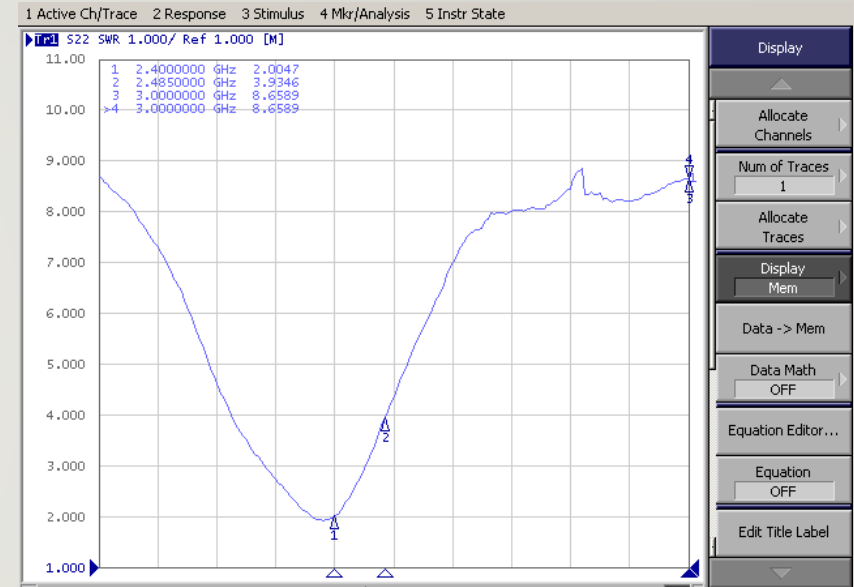


Solu-M Newton Core Silabs 4.3" #TEST DATA

Picture



VSWR

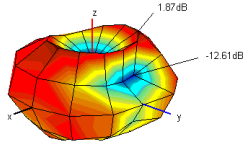
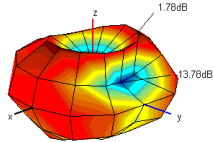
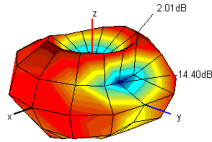
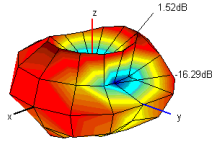
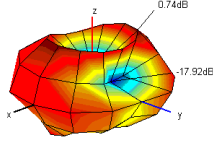


3D gain

	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-2.10	-2.04	-1.87	-2.60	-3.62
Efficiency [%]	61.6	62.5	65.0	54.9	43.5
Peak Gain [dB]	1.87	1.78	2.01	1.52	0.74
Directivity [dB]	3.97	3.82	3.88	4.12	4.36
Minimum Gain [dB]	-12.61	-13.78	-14.40	-16.29	-17.92

2.4G ANT DATA – 3D Radiation Pattern

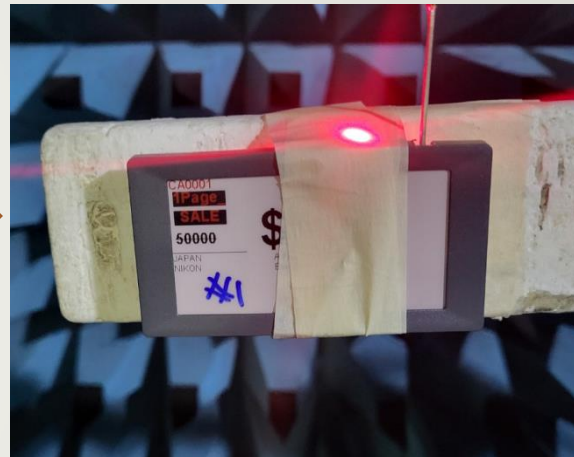
3D Radiation Pattern

2400	2420	2440	2460
 3D Radiation Pattern for 2400 MHz. The plot shows a main lobe with a peak gain of 1.87 dB and a side lobe level of -12.61 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 1.78 dB and a side lobe level of -13.78 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 2.01 dB and a side lobe level of -14.40 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 1.52 dB and a side lobe level of -16.29 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 0.74 dB and a side lobe level of -17.92 dB. The x, y, and z axes are indicated.			

Measurement Procedure



Network Analyzer을
이용하여 VSWR 측정



3D Chamber에 Set 거치



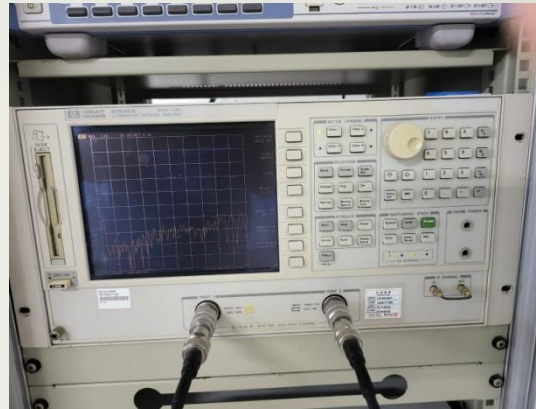
Program을 이용하여
Gain 측정

Measurement Equipment

Network Analyzer



E5071B (Agilent)



8753ES (Agilent)



**CTIA 3D OTA
Chamber(A+Tech)**