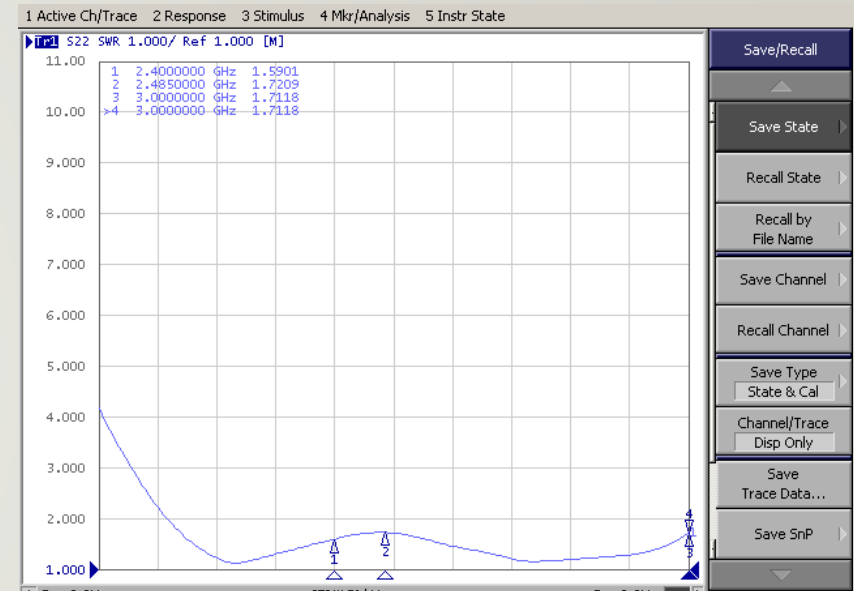


Solu-M Newton Core Silabs 2.9"R23-07 #2 TEST DATA

Picture



VSWR

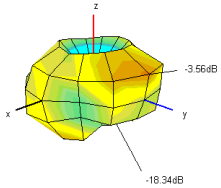
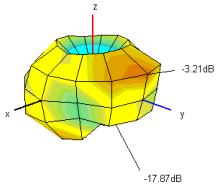
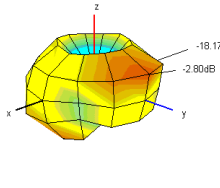
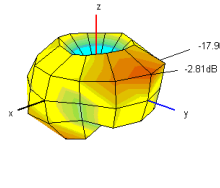
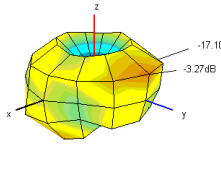


3D gain

	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-8.11	-7.74	-7.29	-7.17	-7.32
Efficiency [%]	15.5	16.8	18.7	19.2	18.5
Peak Gain [dB]	-3.56	-3.21	-2.80	-2.81	-3.27
Directivity [dB]	4.55	4.53	4.49	4.36	4.05
Minimum Gain [dB]	-18.34	-17.87	-18.17	-17.90	-17.10

2.4G ANT DATA – 3D Radiation Pattern

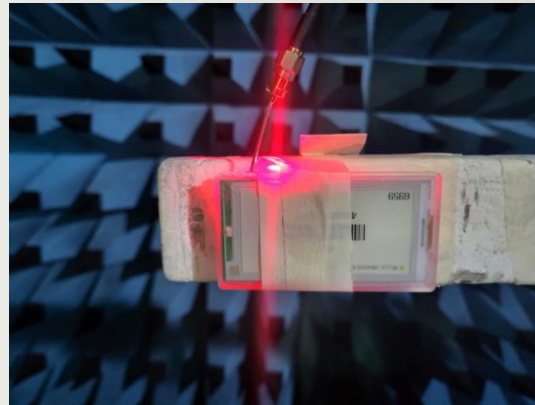
3D Radiation Pattern

2400	2420	2440	2460
 3D Radiation Pattern for 2400 MHz. The plot shows a main lobe with a peak gain of -3.56 dB and a side lobe level of -18.34 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 -3.21 dB and a side lobe level of -17.87 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 -18.17 dB and a side lobe level of -2.80 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 -17.90 dB and a side lobe level of -2.81 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 -17.10 dB and a side lobe level of -3.27 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)**