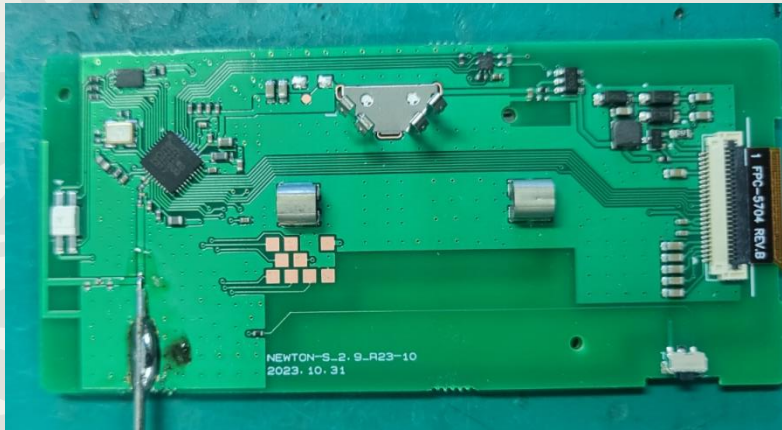
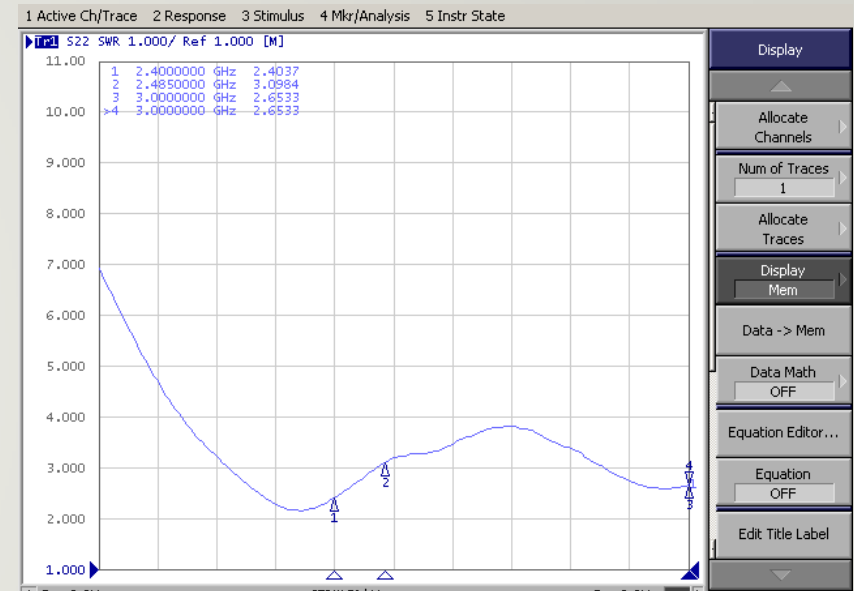


Solu-M Newton-S 2.9 #4 TEST DATA

Picture



VSWR

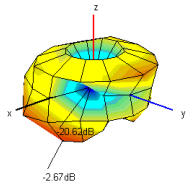
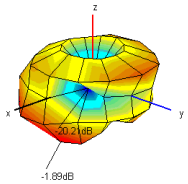
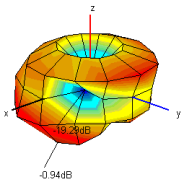
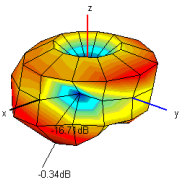
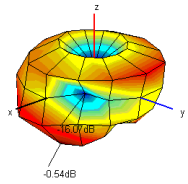


3D gain

	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-6.56	-5.91	-5.01	-4.42	-4.80
Efficiency [%]	22.1	25.6	31.6	36.1	33.1
Peak Gain [dB]	-2.67	-1.89	-0.94	-0.34	-0.54
Directivity [dB]	3.89	4.02	4.07	4.08	4.26
Minimum Gain [dB]	-20.62	-20.21	-19.29	-16.71	-16.07

2.4G ANT DATA – 3D Radiation Pattern

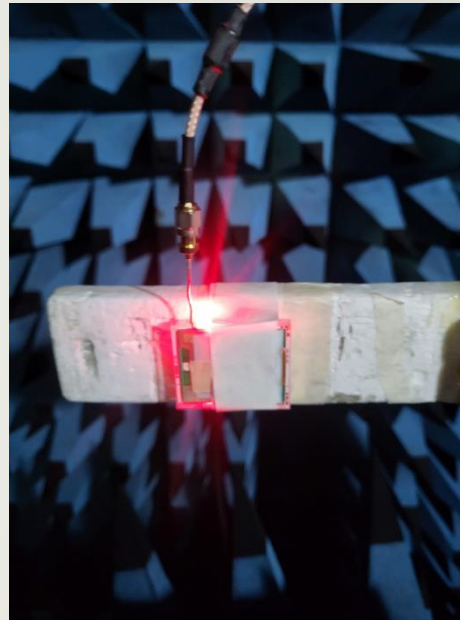
3D Radiation Pattern

2400	2420	2440	2460
 3D Radiation Pattern for 2400 MHz. The plot shows a toroidal shape with a maximum gain of 20.63 dB and a minimum gain of -2.67 dB. The x, y, and z axes are indicated.	 3D Radiation Pattern for 2420 MHz. The plot shows a toroidal shape with a maximum gain of 20.21 dB and a minimum gain of -1.89 dB. The x, y, and z axes are indicated.	 3D Radiation Pattern for 2440 MHz. The plot shows a toroidal shape with a maximum gain of 19.26 dB and a minimum gain of -0.94 dB. The x, y, and z axes are indicated.	 3D Radiation Pattern for 2460 MHz. The plot shows a toroidal shape with a maximum gain of 16.71 dB and a minimum gain of -0.34 dB. The x, y, and z axes are indicated.
2485			
 3D Radiation Pattern for 2485 MHz. The plot shows a toroidal shape with a maximum gain of 16.17 dB and a minimum gain of -0.54 dB. The x, y, and z axes are indicated.			

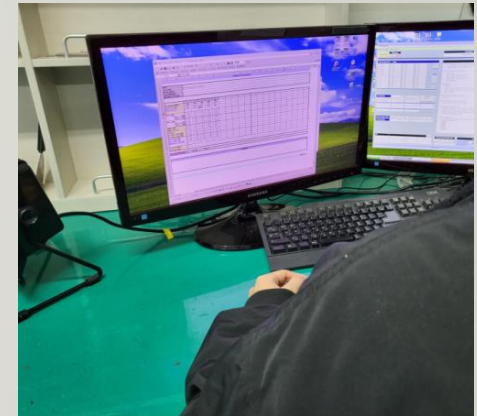
Measurement Procedure



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)**