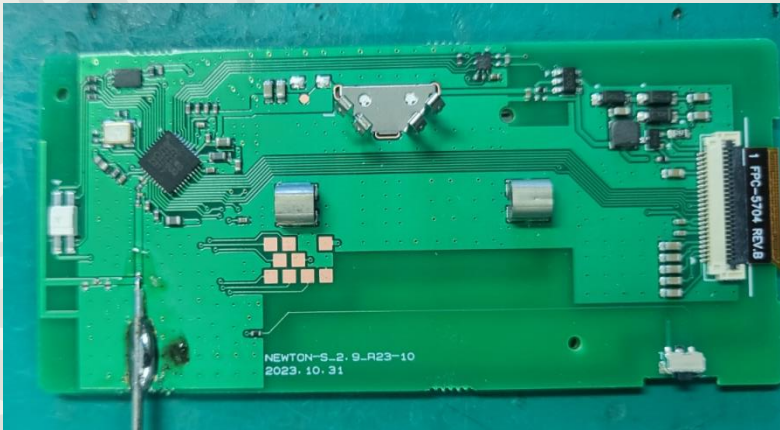
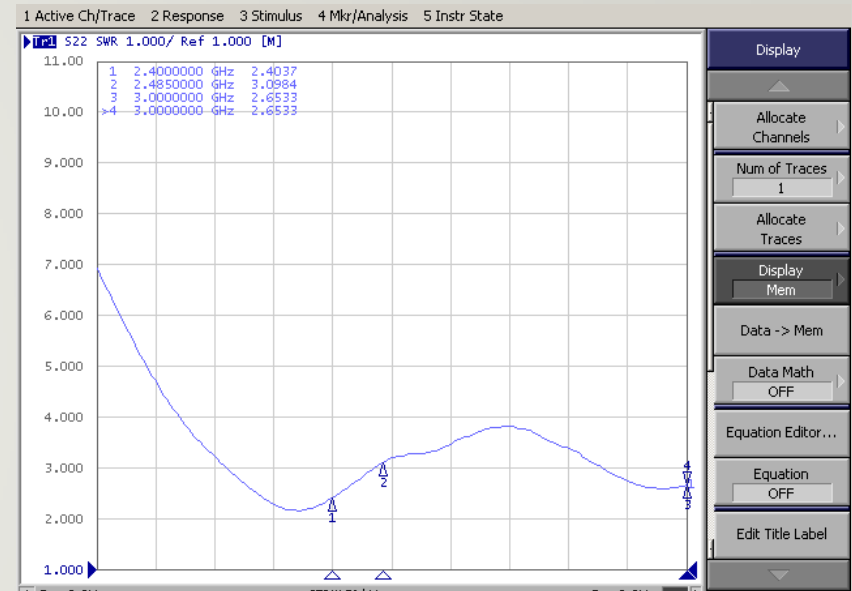


# Solu-M Newton-S 2.9 #4 TEST DATA

Picture



VSWR

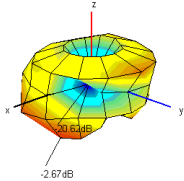
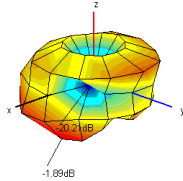
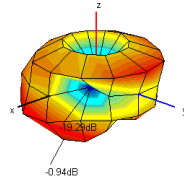
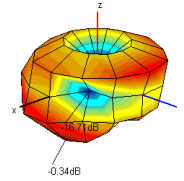
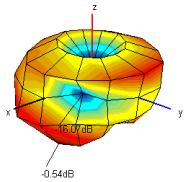


3D gain

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

## 2.4G ANT DATA - 3D Radiation Pattern

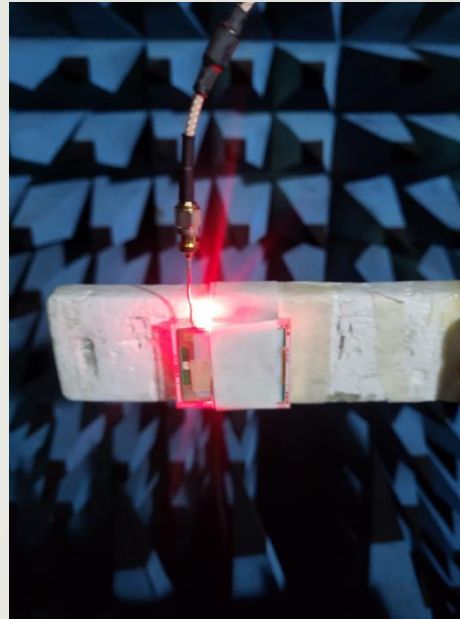
### 3D Radiation Pattern

2400	2420	2440	2460
 <p>3D radiation pattern for 2400 MHz. The plot shows a toroidal radiation pattern with a minimum gain of -2.67 dB.</p>	 <p>3D radiation pattern for 2420 MHz. The plot shows a toroidal radiation pattern with a minimum gain of -1.89 dB.</p>	 <p>3D radiation pattern for 2440 MHz. The plot shows a toroidal radiation pattern with a minimum gain of -0.94 dB.</p>	 <p>3D radiation pattern for 2460 MHz. The plot shows a toroidal radiation pattern with a minimum gain of -0.34 dB.</p>
2485			
 <p>3D radiation pattern for 2485 MHz. The plot shows a toroidal radiation pattern with a minimum gain of -0.54 dB.</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)**