

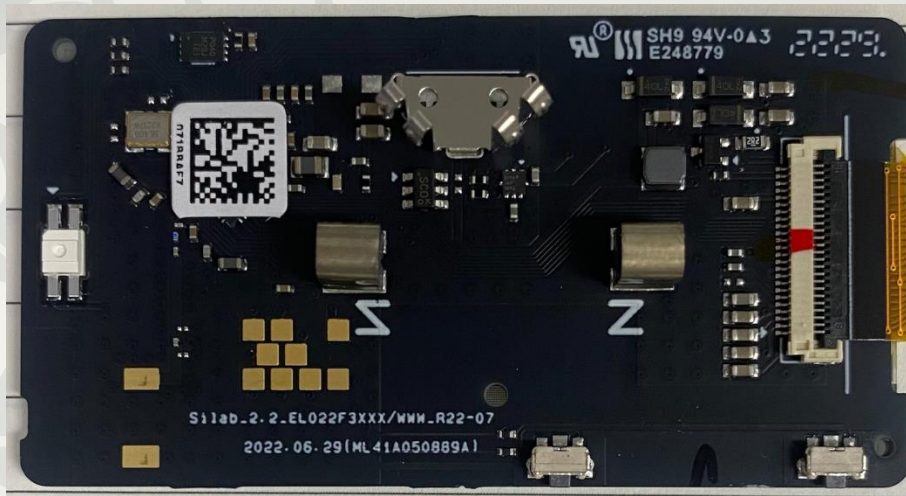
ART SIGNAL

ANTENNA TOTAL SOLUTION

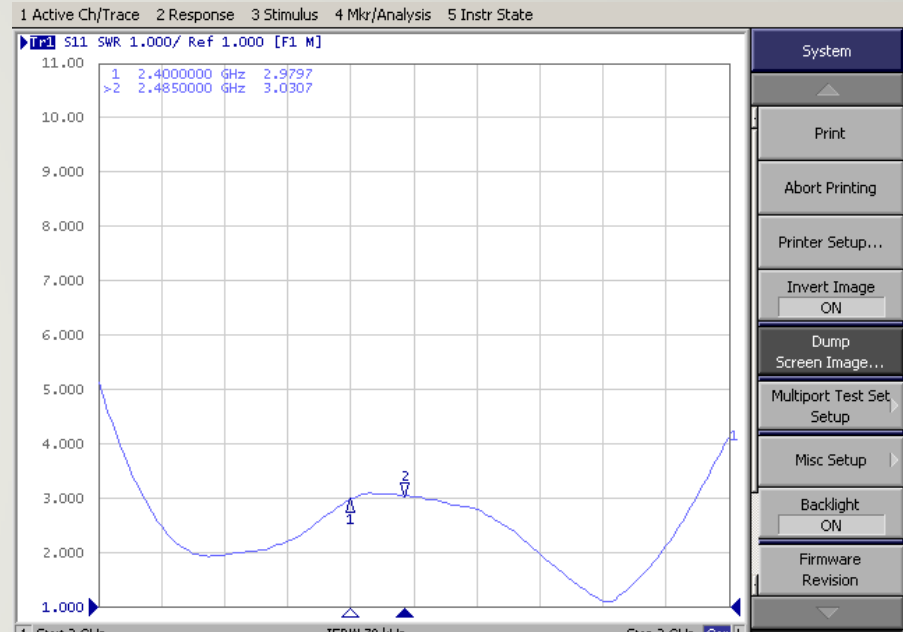


Solu-M M3 2.2INCH#1 2.4G ANT DATA - Network & 3D gain

Picture



VSWR

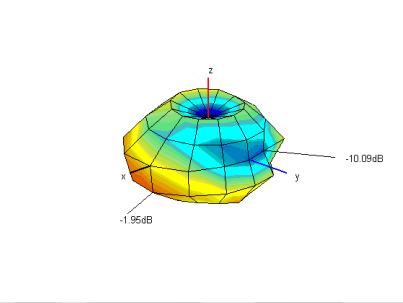
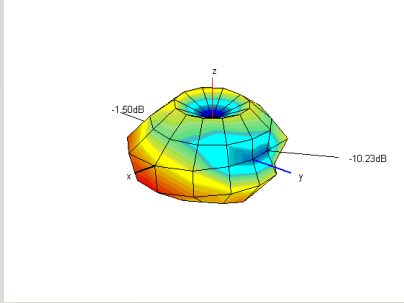
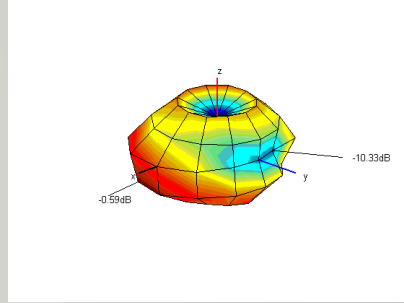
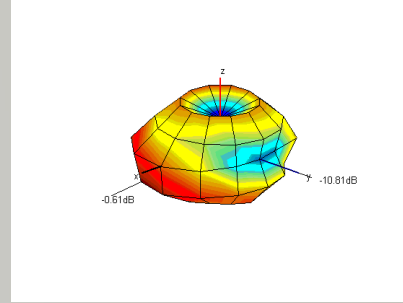
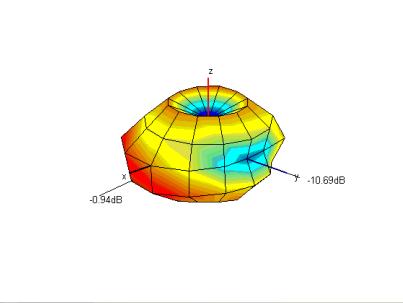


3D gain

	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-4.72	-4.31	-3.60	-3.70	-3.85
Efficiency [%]	33.7	37.1	43.6	42.7	41.2
Peak Gain [dB]	-1.95	-1.50	-0.59	-0.61	-0.94
Directivity [dB]	2.77	2.81	3.01	3.08	2.90
Minimum Gain [dB]	-10.09	-10.23	-10.33	-10.81	-10.69

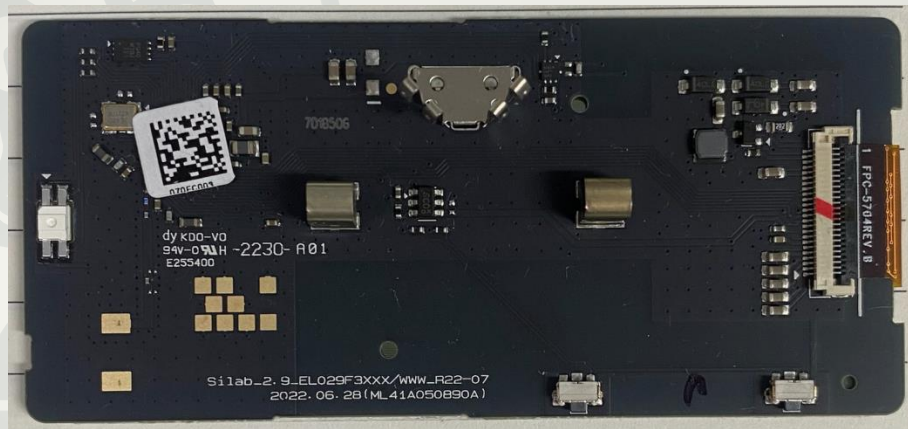
2.4G ANT DATA – 3D Radiation Pattern

3D Radiation Pattern

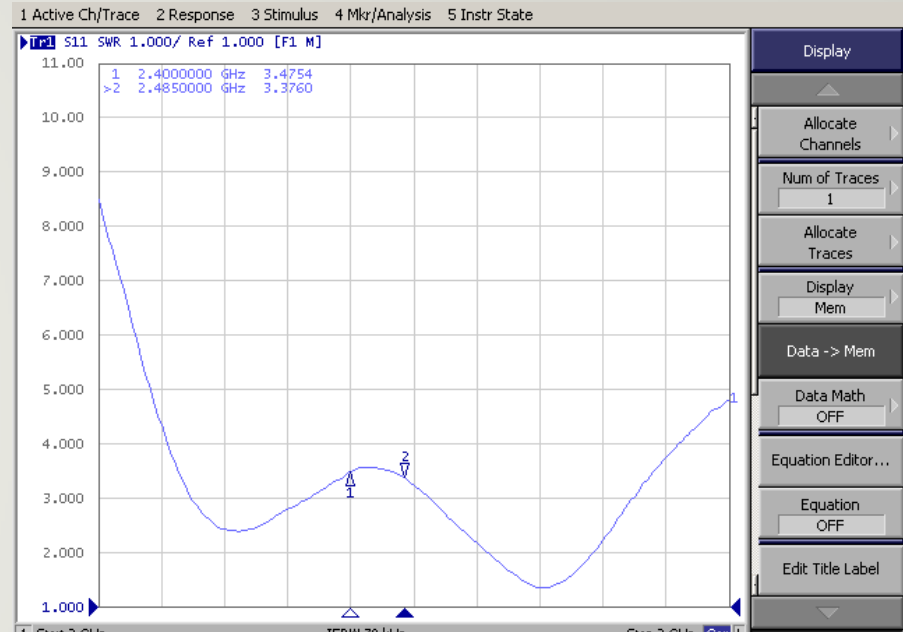
2400	2420	2440	2460
 3D Radiation Pattern for 2400 MHz. The plot shows a main lobe centered at the top (z-axis) with a peak gain of -1.95 dB. The side lobes are at -10.09 dB and -10.95 dB. The x, y, and z axes are indicated.	 3D Radiation Pattern for 2420 MHz. The plot shows a main lobe centered at the top (z-axis) with a peak gain of -1.50 dB. The side lobes are at -10.23 dB and -10.50 dB. The x, y, and z axes are indicated.	 3D Radiation Pattern for 2440 MHz. The plot shows a main lobe centered at the top (z-axis) with a peak gain of -0.59 dB. The side lobes are at -10.33 dB and -10.59 dB. The x, y, and z axes are indicated.	 3D Radiation Pattern for 2460 MHz. The plot shows a main lobe centered at the top (z-axis) with a peak gain of -0.51 dB. The side lobes are at -10.81 dB and -10.51 dB. The x, y, and z axes are indicated.
2485			
 3D Radiation Pattern for 2485 MHz. The plot shows a main lobe centered at the top (z-axis) with a peak gain of -0.94 dB. The side lobes are at -10.69 dB and -10.94 dB. The x, y, and z axes are indicated.			

Solu-M M3 2.9INCH#1 2.4G ANT DATA - Network & 3D gain

Picture



VSWR

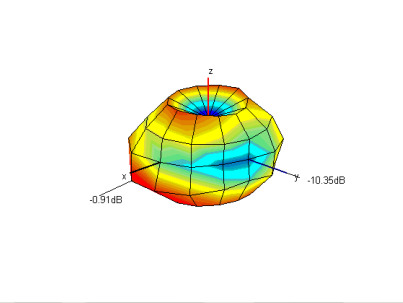
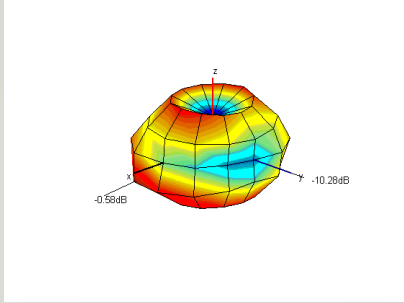
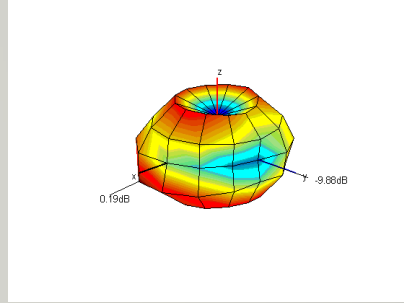
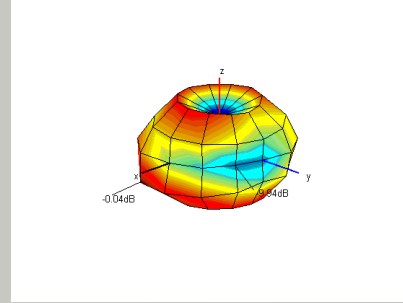
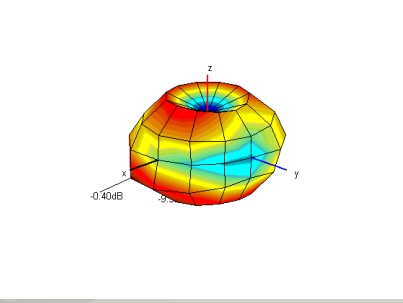


3D gain

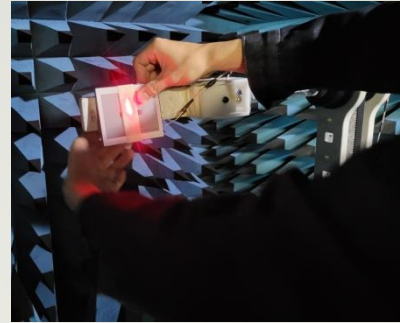
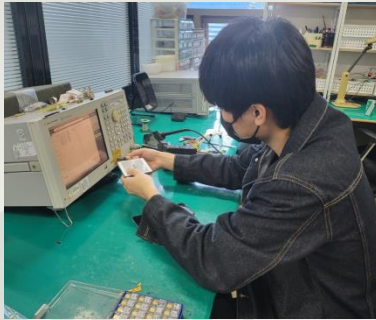
	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-4.30	-3.93	-3.22	-3.38	-3.45
Efficiency [%]	37.1	40.5	47.7	45.9	45.2
Peak Gain [dB]	-0.91	-0.58	0.19	-0.04	-0.40
Directivity [dB]	3.39	3.35	3.41	3.34	3.05
Minimum Gain [dB]	-10.35	-10.28	-9.88	-9.95	-9.30

2.4G ANT DATA – 3D Radiation Pattern

3D Radiation Pattern

2400	2420	2440	2460
			
2485			
			

Measurement procedure 1. Network Analyzer → VSWR measurement → 3D Gain Test measurement



Measuring equipment 2.



E5071B Agilent



8753ES Agilent



Signature : Dongkyu Hwang

place : **ART SIGNAL Co.,LTD. 1008-A, Woolim Lion's Valley 2nd, 146-8, Sangdaewon-dong, Jungwon-gu, Seongnam-si, Gyeonggi-do, Korea.**

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