

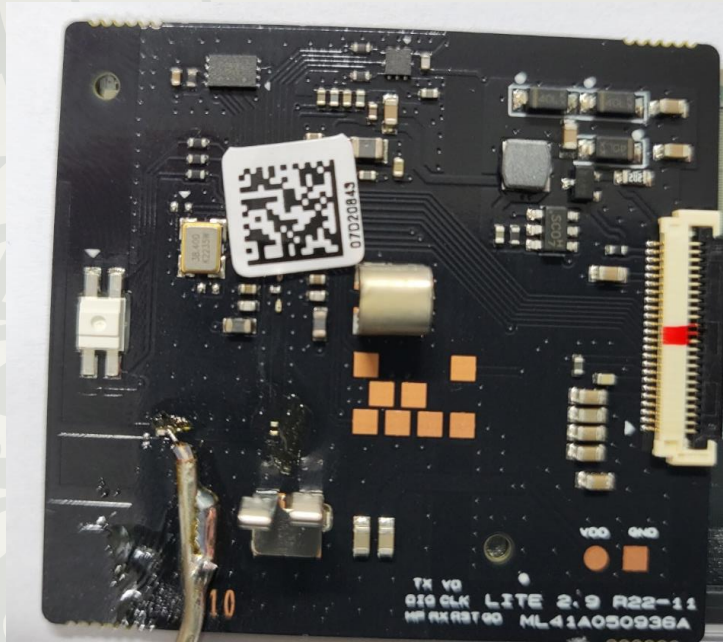
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ANTENNA TOTAL SOLUTION

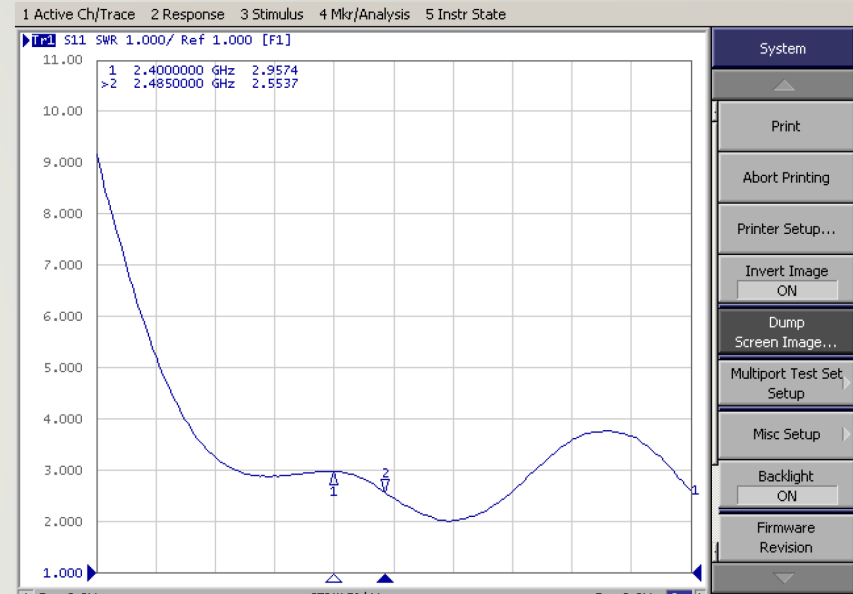


Solu-M Newton Lite Silabs 2.9 INCH TEST DATA

Picture



VSWR

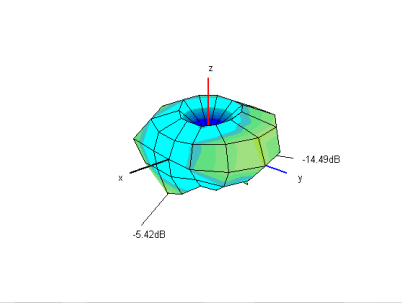
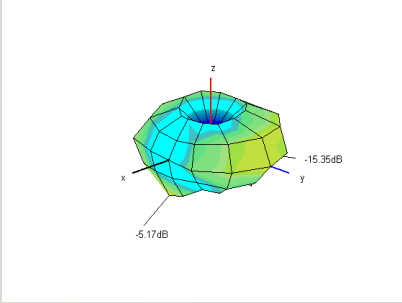
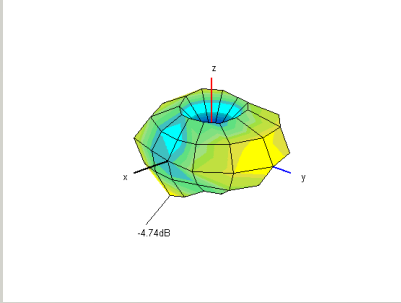
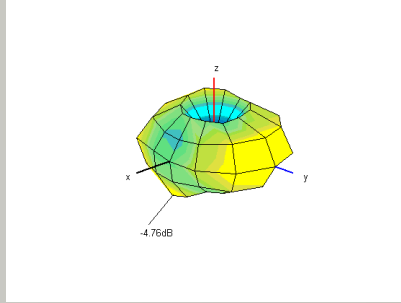
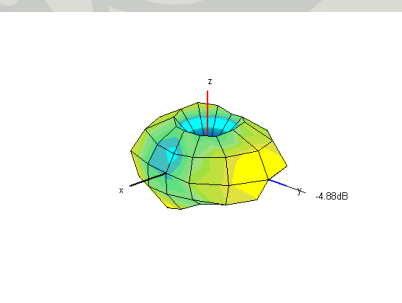


3D gain

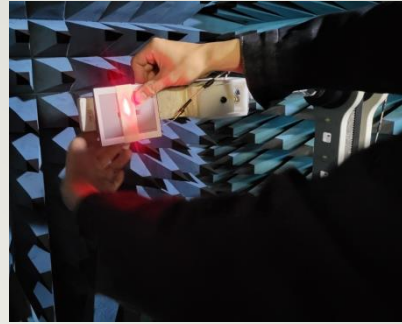
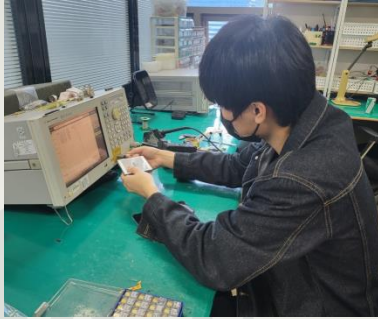
	1	2	3	4	5
Frequency [MHz]	2400	2420	2440	2460	2485
Efficiency [dB]	-7.44	-6.87	-5.87	-5.70	-5.72
Efficiency [%]	18.0	20.6	25.9	26.9	26.8
Peak Gain [dB]	-4.42	-3.70	-2.69	-2.33	-2.40
Directivity [dB]	3.01	3.17	3.18	3.37	3.32
Minimum Gain [dB]	-14.19	-14.11	-12.72	-12.13	-10.91

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 main lobe centered at the top (z-axis) with a peak gain of -5.42 dB. Side lobes are visible, with a minimum gain of -14.49 dB. The x and y axes are labeled.</p>	 <p>3D radiation pattern for 2420 MHz. The plot shows a main lobe centered at the top (z-axis) with a peak gain of -5.17 dB. Side lobes are visible, with a minimum gain of -15.35 dB. The x and y axes are labeled.</p>	 <p>3D radiation pattern for 2440 MHz. The plot shows a main lobe centered at the top (z-axis) with a peak gain of -4.74 dB. Side lobes are visible, with a minimum gain of -4.76 dB. The x and y axes are labeled.</p>	 <p>3D radiation pattern for 2460 MHz. The plot shows a main lobe centered at the top (z-axis) with a peak gain of -4.76 dB. Side lobes are visible, with a minimum gain of -4.76 dB. The x and y axes are labeled.</p>
2485			
 <p>3D radiation pattern for 2485 MHz. The plot shows a main lobe centered at the top (z-axis) with a peak gain of -4.88 dB. Side lobes are visible, with a minimum gain of -4.88 dB. The x and y axes are labeled.</p>			

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



Measuring equipment 2.



E5071B Agilent



8753ES Agilent



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