

# ART SIGNAL

## ANTENNA TOTAL SOLUTION



## | 2.4G Antenna Test Data

### SOLUM M3 4.2inch 2.4G Antenna Test Data

- Network & 3D gain & 3D Radiation Pattern

- 16CMOLK & 3D 891W & 3D K9D19C10W 1.906LW

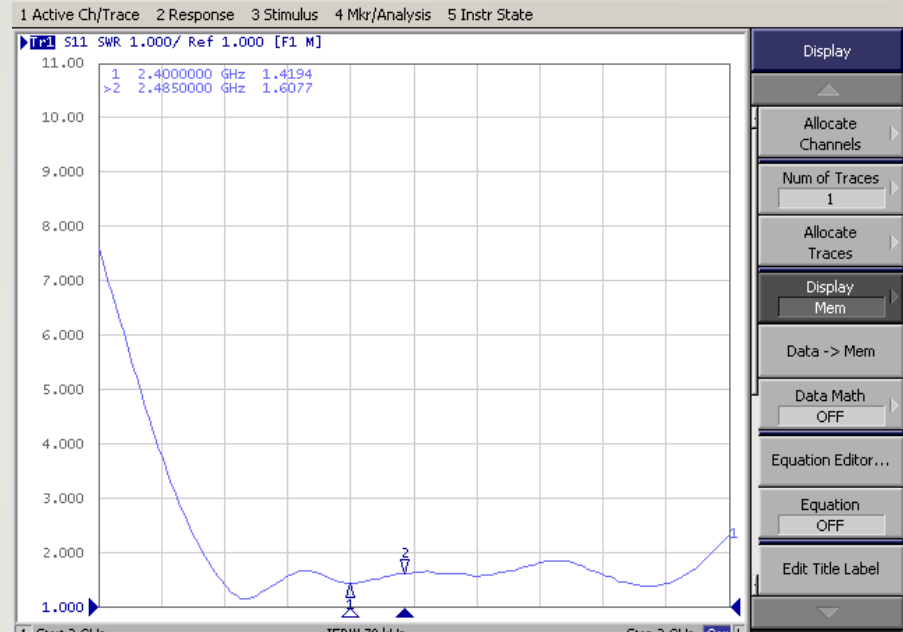
A N T E N N A T O T A L S O L U T I O N

# SOLUM M3 4.2inch 2.4G ANT DATA - Network & 3D gain

Picture



VSWR

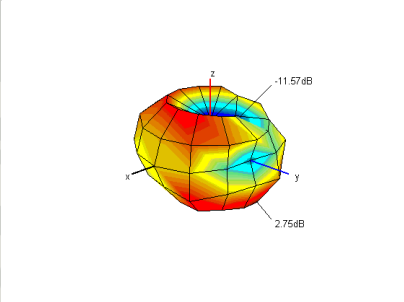
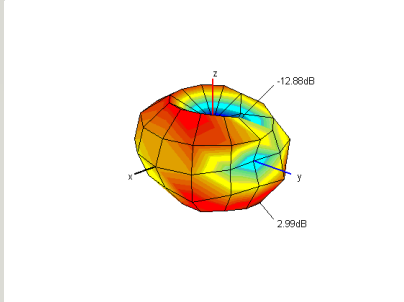
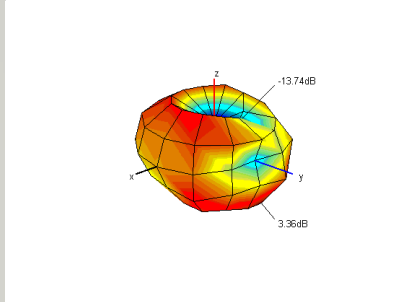
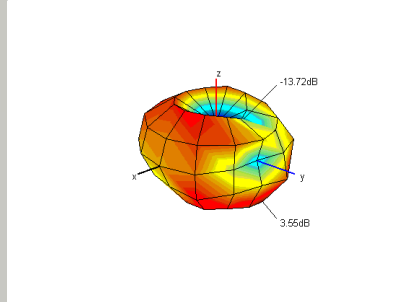
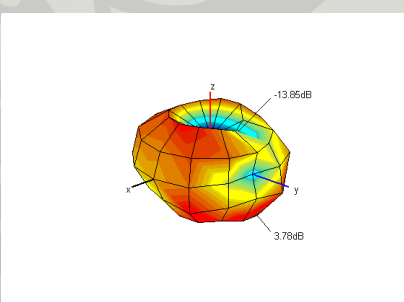


3D gain

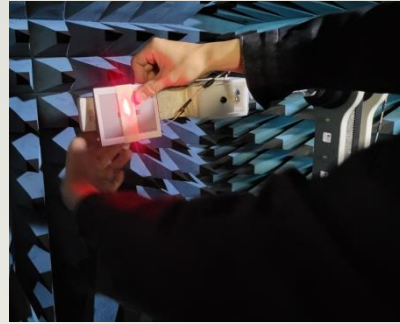
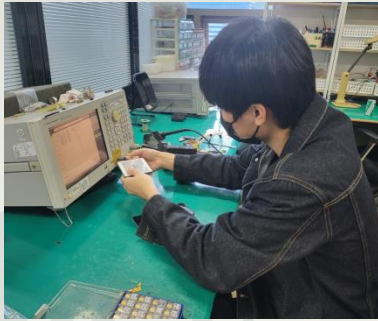
	1	2	3	4	5
<b>Frequency [MHz]</b>	<b>2400</b>	<b>2420</b>	<b>2440</b>	<b>2460</b>	<b>2485</b>
<b>Efficiency [dB]</b>	<b>-1.69</b>	<b>-1.45</b>	<b>-1.16</b>	<b>-1.08</b>	<b>-1.12</b>
<b>Efficiency [%]</b>	<b>67.7</b>	<b>71.6</b>	<b>76.6</b>	<b>78.0</b>	<b>77.2</b>
<b>Peak Gain [dB]</b>	<b>2.75</b>	<b>2.99</b>	<b>3.36</b>	<b>3.55</b>	<b>3.78</b>
<b>Directivity [dB]</b>	<b>4.45</b>	<b>4.44</b>	<b>4.52</b>	<b>4.63</b>	<b>4.90</b>
<b>Minimum Gain [dB]</b>	<b>-11.57</b>	<b>-12.88</b>	<b>-13.74</b>	<b>-13.72</b>	<b>-13.85</b>

# SOLUM M3 4.2inch 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



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