

VLG TECHNOLOGY

维力谷无线技术股份有限公司

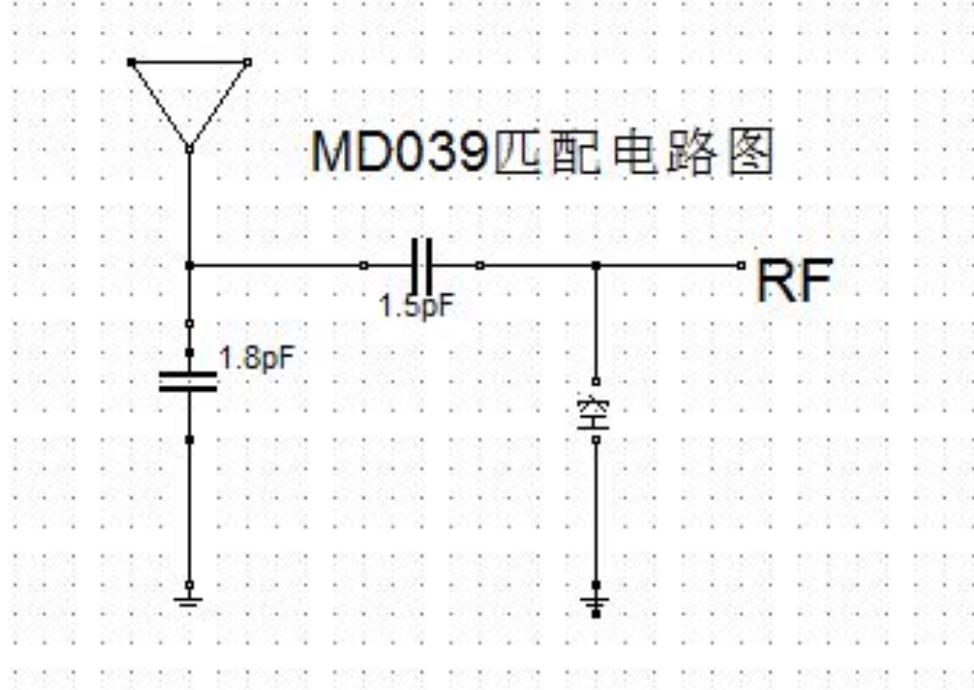
| | | | | | | |
|-----------|----------------|--|-----------|---------|--|--|
| Model | MD039 | | Frequency | BT 2.4G | | |
| VLG | V1958-026-A-01 | | Version | R: A | | |
| RF | | | Quality | | | |
| Structure | | | PM | | | |
| Date | 2022-7-13 | | | | | |



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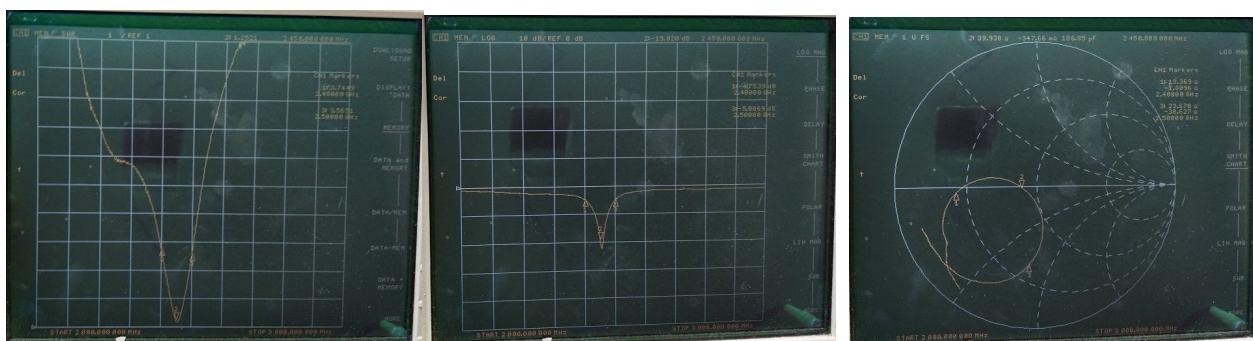
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1、Antenna matching circuit:



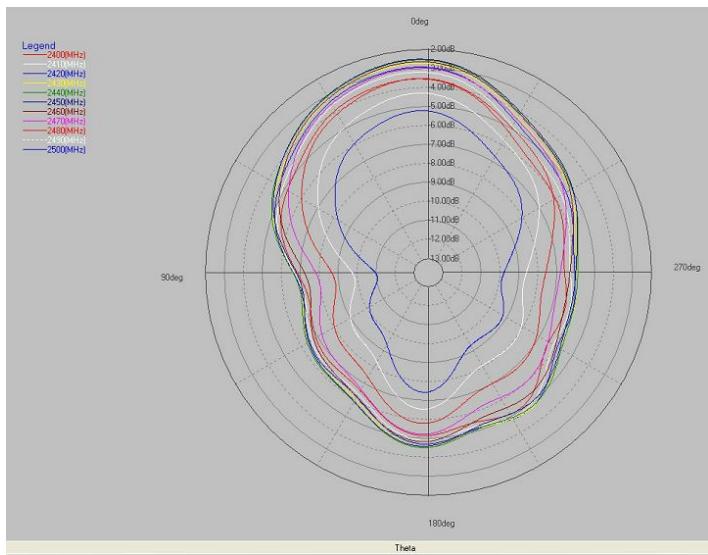
2、S11 test data:

2. 1. 1 Antenna backloss/Smith/standing wave ratio diagram:

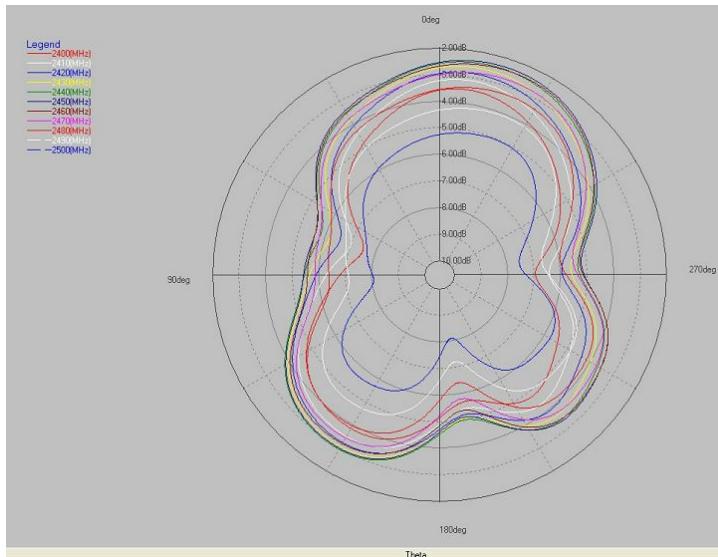


2.2 Antenna of 2 D

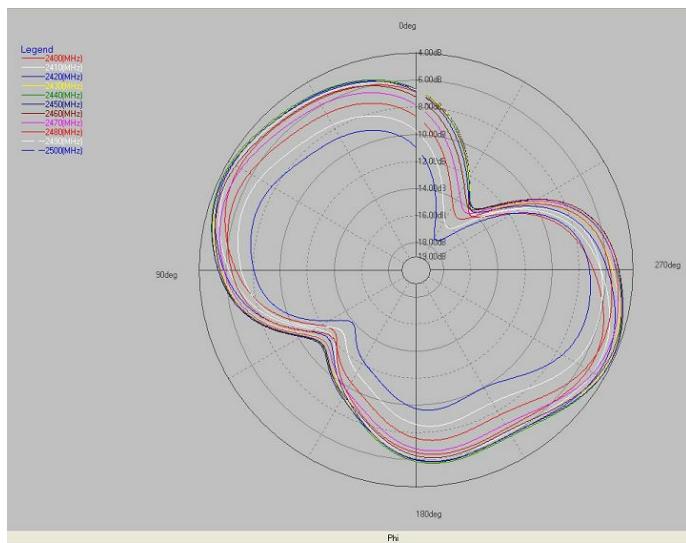
E1 :



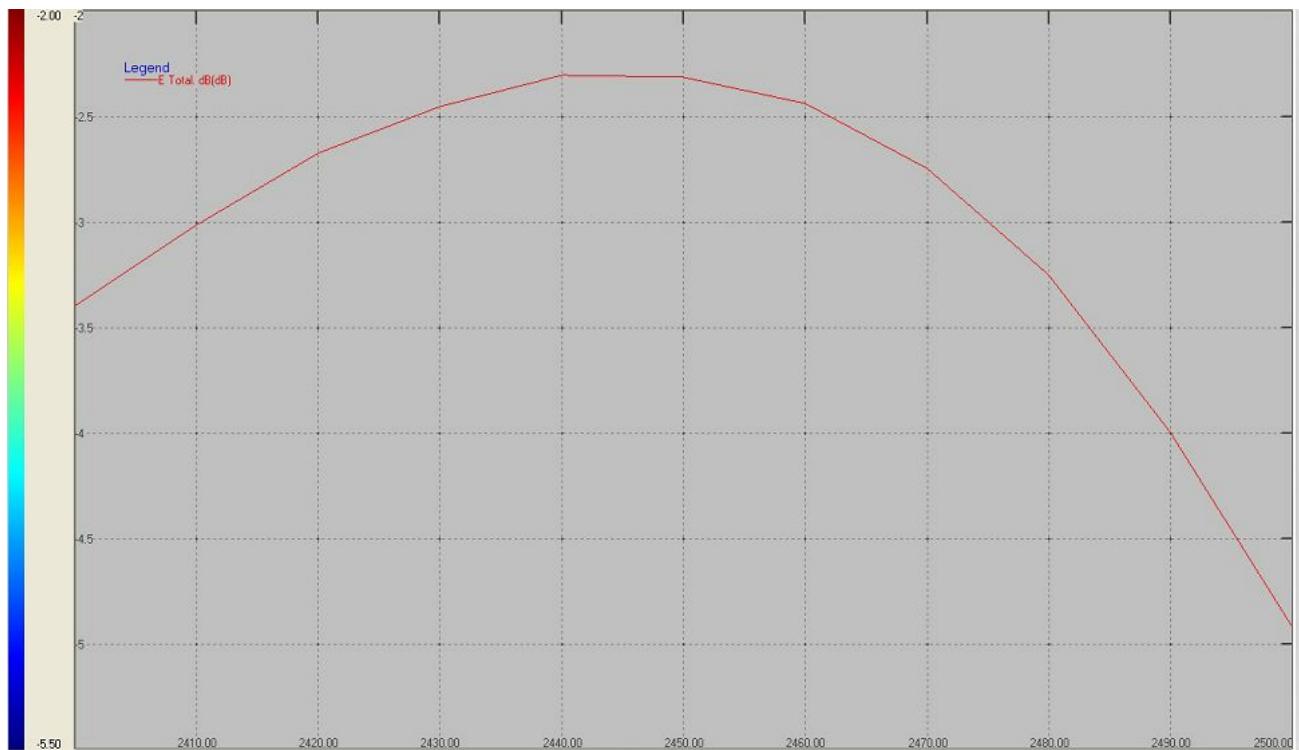
E2



H

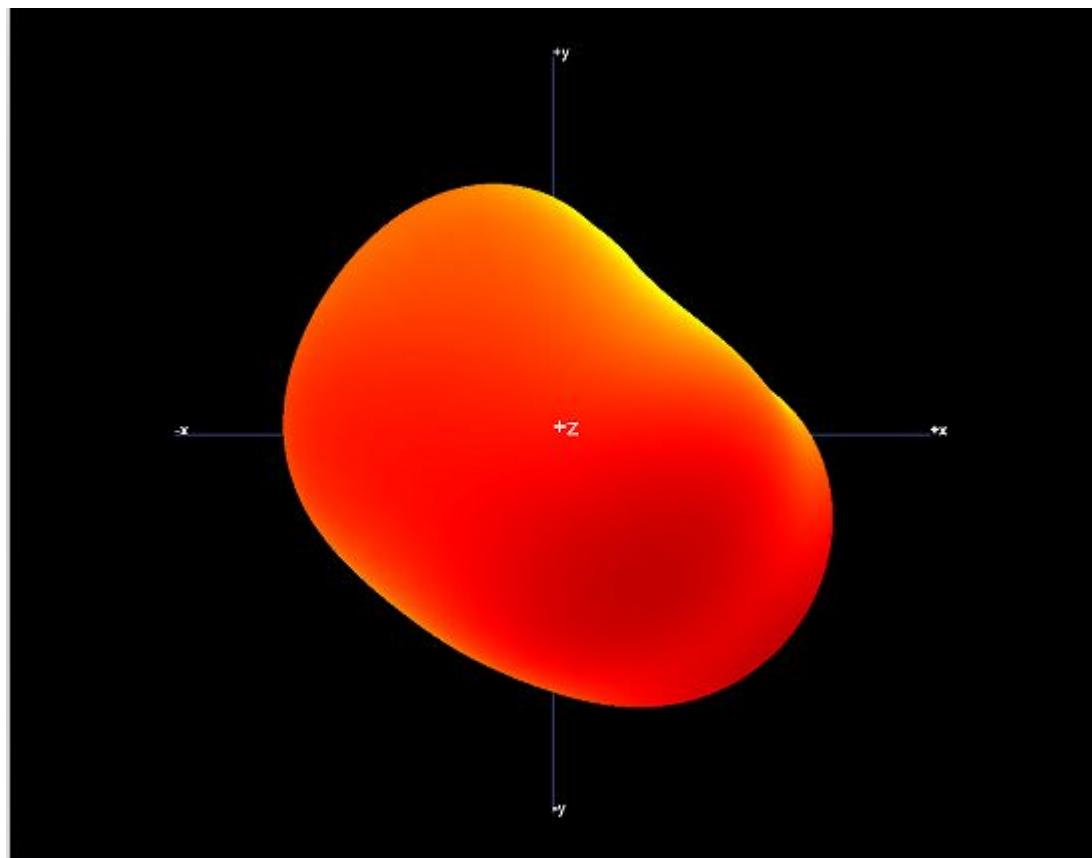


2.3 Peak Gain

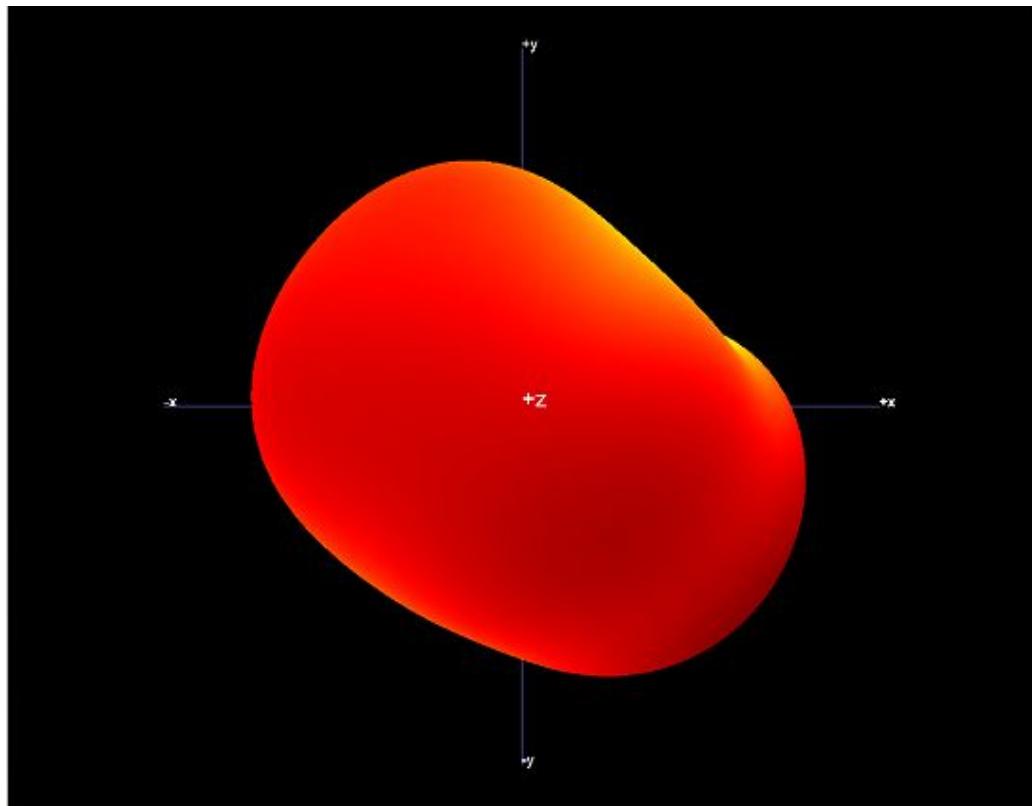


2.3 Antenna 3 D figure

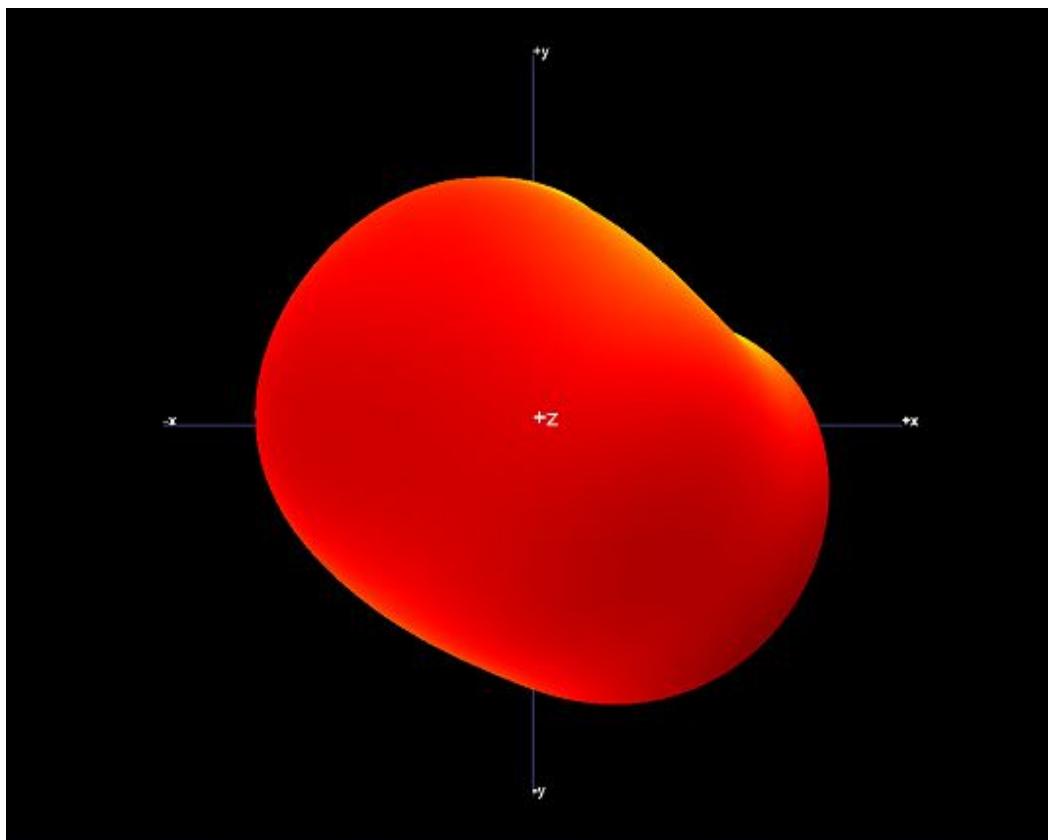
2400MHz



2450MHZ



2500MHZ



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2.4 Antenna passive test data

| Frequency (MHz) | Efficiency (%) | Efficiency . dB | peak_Gain . dB |
|--------------------|-------------------|--------------------|-------------------|
| 2400 | 26% | -5.92 | -3.40 |
| 2410 | 28% | -5.56 | -3.01 |
| 2420 | 30% | -5.29 | -2.67 |
| 2430 | 31% | -5.09 | -2.45 |
| 2440 | 32% | -4.94 | -2.30 |
| 2450 | 32% | -4.93 | -2.31 |
| 2460 | 31% | -5.12 | -2.44 |
| 2470 | 28% | -5.48 | -2.75 |
| 2480 | 25% | -6.09 | -3.25 |
| 2490 | 20% | -6.92 | -3.99 |
| 2500 | 16% | -7.92 | -4.91 |

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5、Size chart

