

VLG TECHNOLOGY

ShenZhen VLG Wireless TECHNOLOGY CO.,LTD

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Acknowledgement

W3 FPC ANT

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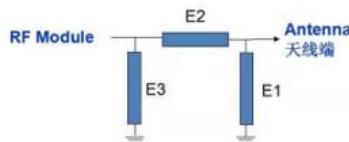
2400–2500MHz 频段。

1、Specification

wifi 天线工作频段在 2400–2500MHz 频段，下表是天线的无源性能测试指标。

2、Electrical properties

2.1Antenna matching circuit:



Element	Value
E1	NA
E2	0ohm
E3	NA

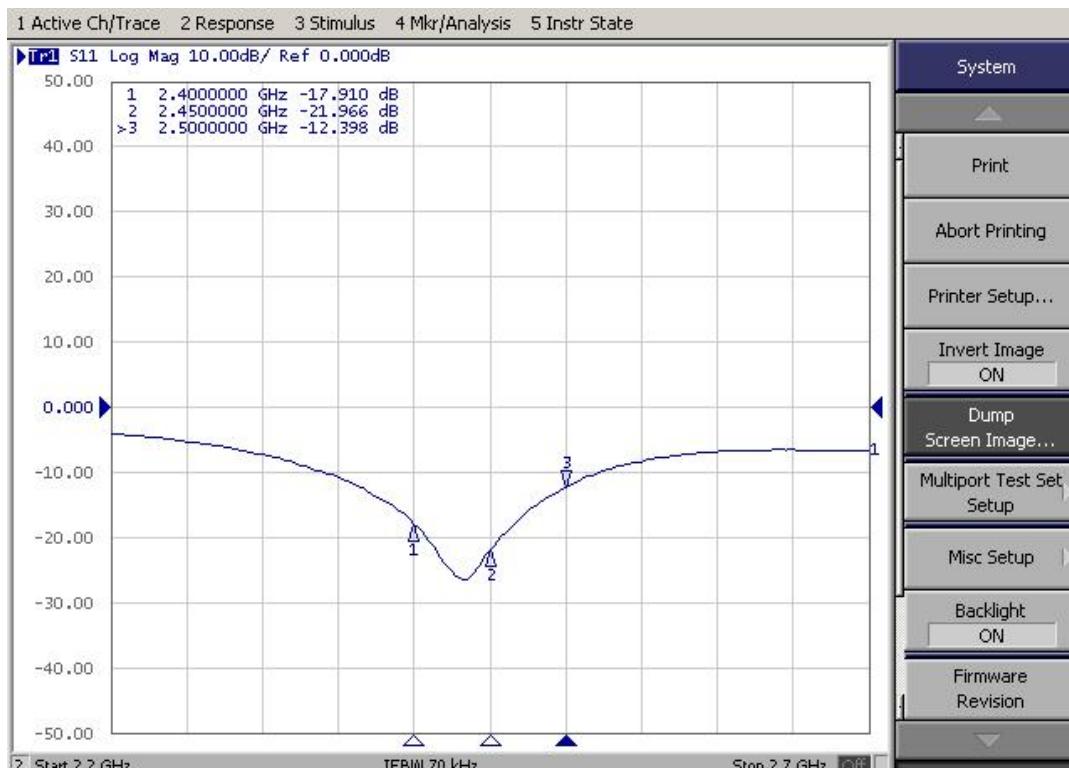
2.2Return loss test

2.3.1 Test setup

VSWR 测试装置依次的连接为: 8714ET [网络分析仪] → [50 欧姆的同轴 Cable] → [测试治具]。

Processing of the test fixture: Use a cable to lead out the SMA connector at the 50-ohm test point of the antenna, connect it to the copper tube with a choke, and then connect other devices in turn.

2.3.2Antenna RL:



2.4 Passive test data:

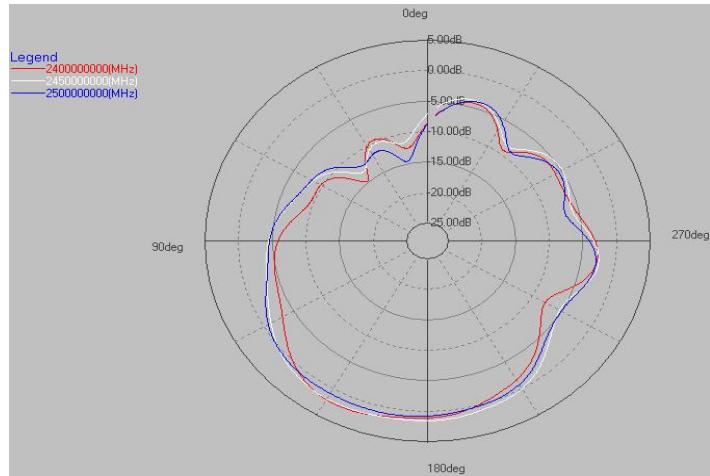
Frequency . MHz	Efficiency	Efficiency . dB	Gain . dBi
2400000000	60%	-2.25	3.60
2410000000	61%	-2.16	3.69
2420000000	62%	-2.11	3.79
2430000000	61%	-2.13	3.78
2440000000	60%	-2.20	3.66
2450000000	63%	-2.03	3.88
2460000000	66%	-1.82	4.12
2470000000	65%	-1.86	4.29
2480000000	64%	-1.91	4.38
2490000000	67%	-1.73	4.61
2500000000	68%	-1.71	4.66

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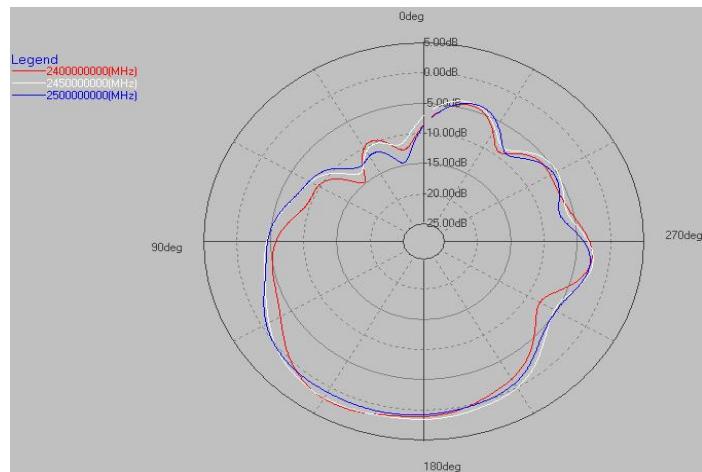
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3 Antenna 2D diagram:

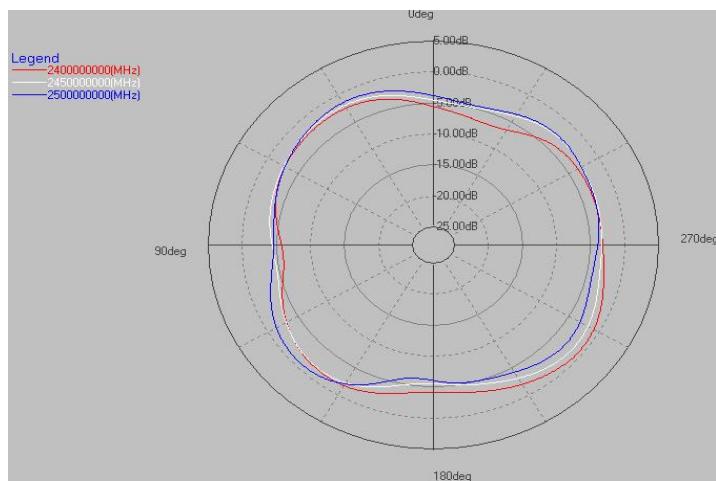
H



E1



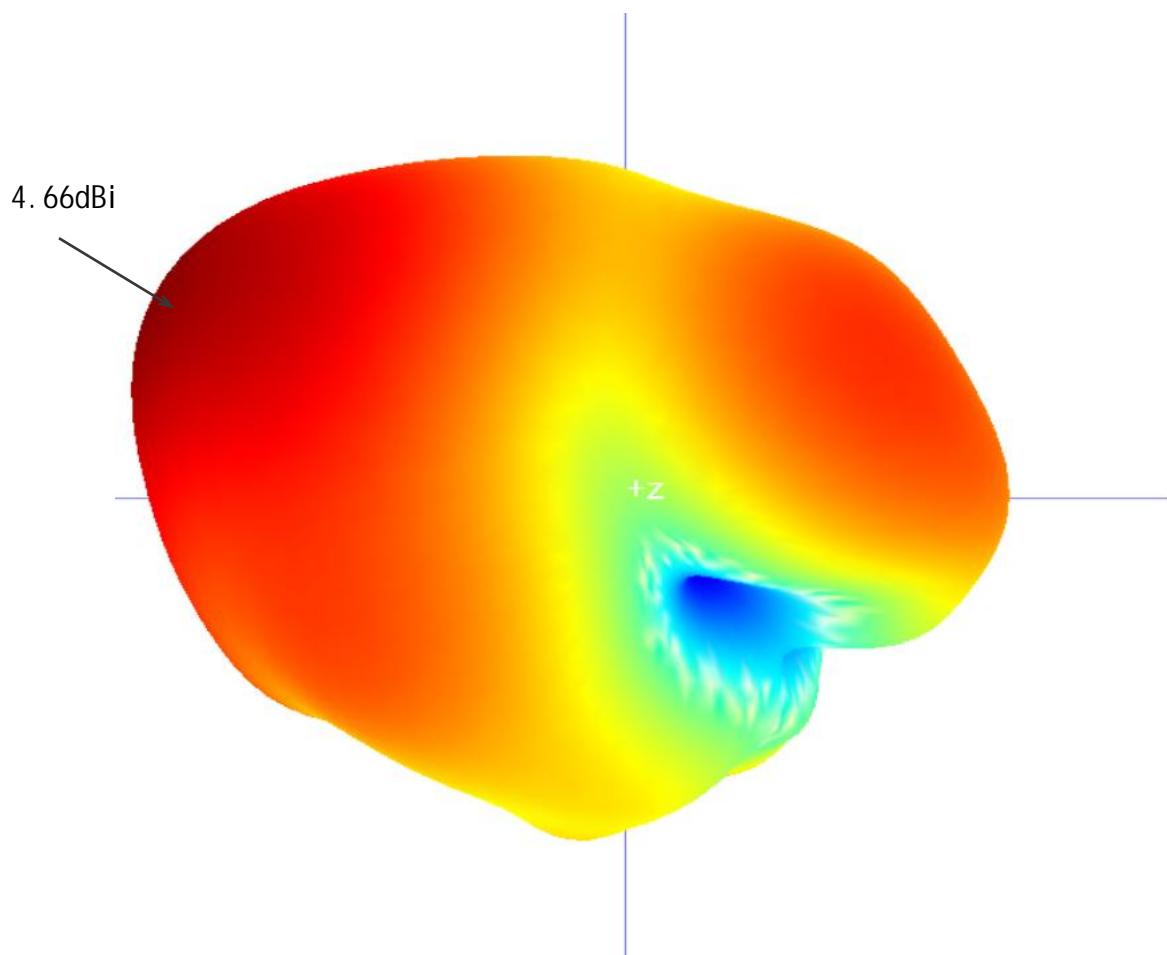
E2



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4 Antenna 3D diagram:



5. Antenna structure drawing

