



Quectel Wireless Solutions

FCM665D Antenna Debug Report

RF : Damon.Zhang
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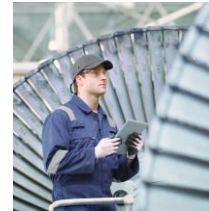
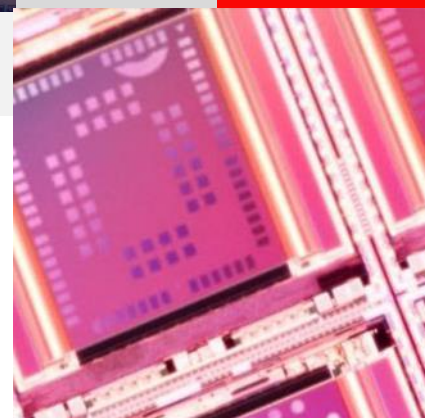
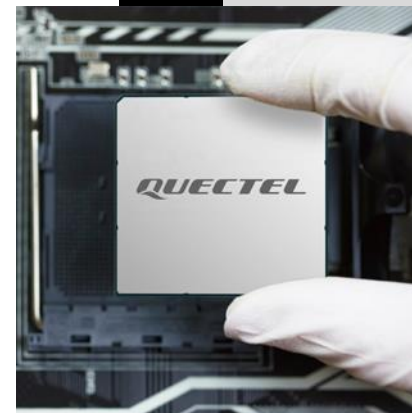
1. 项目概况

2. 天线调试性能

3. 结论

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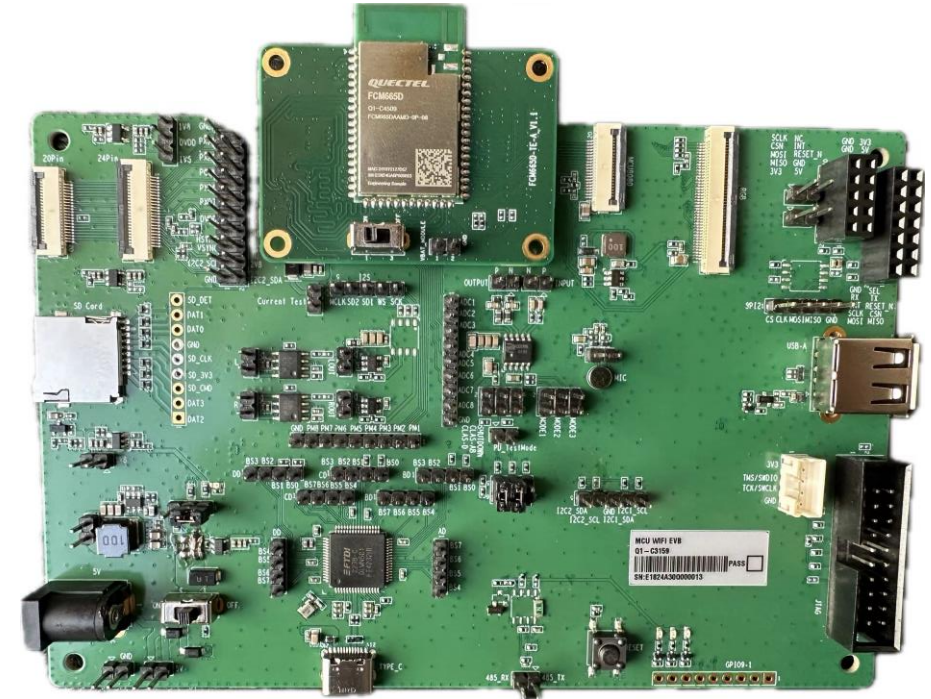
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项目概况



- Project Name: FCM665D
- Antenna Number: 1
- Antenna Network Type & Frequency Band:
 - BT: 2400-2500MHz
- Performance:
 - VSWR(Max) : 1.7
 - Efficiency(Avg) : 53%
 - Peak Gain : 2.4dBi





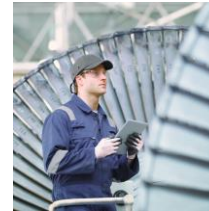
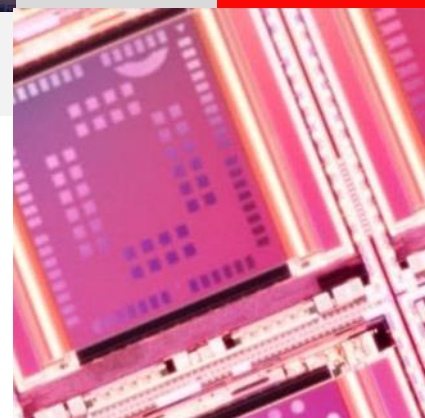
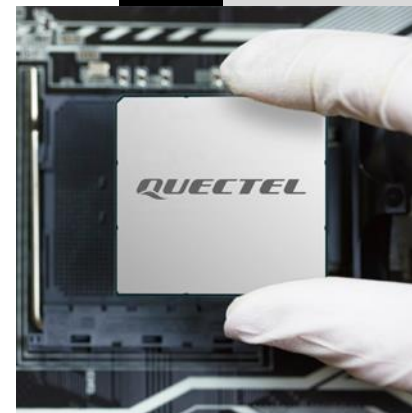
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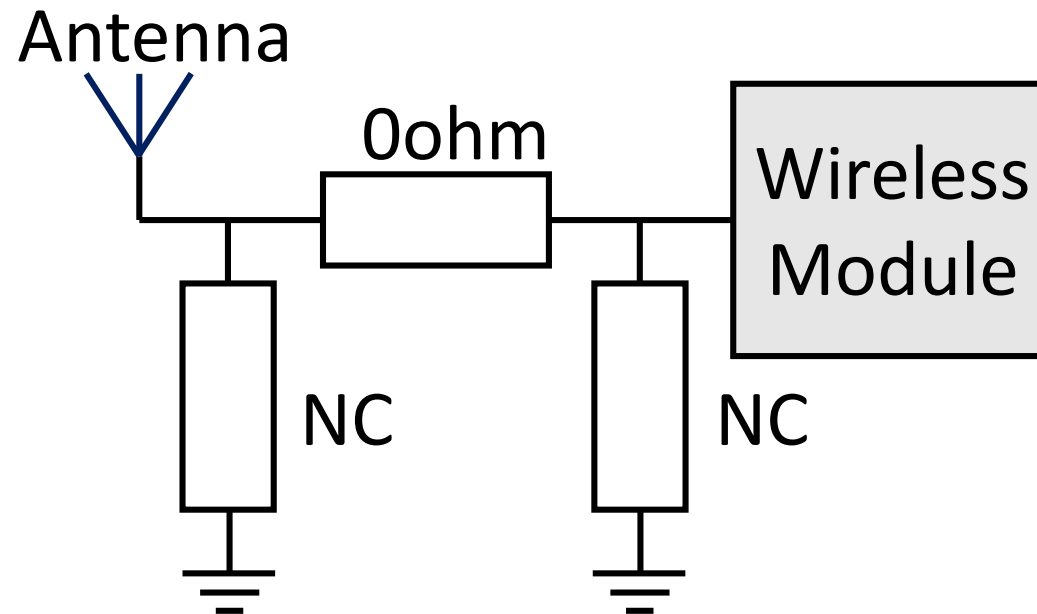
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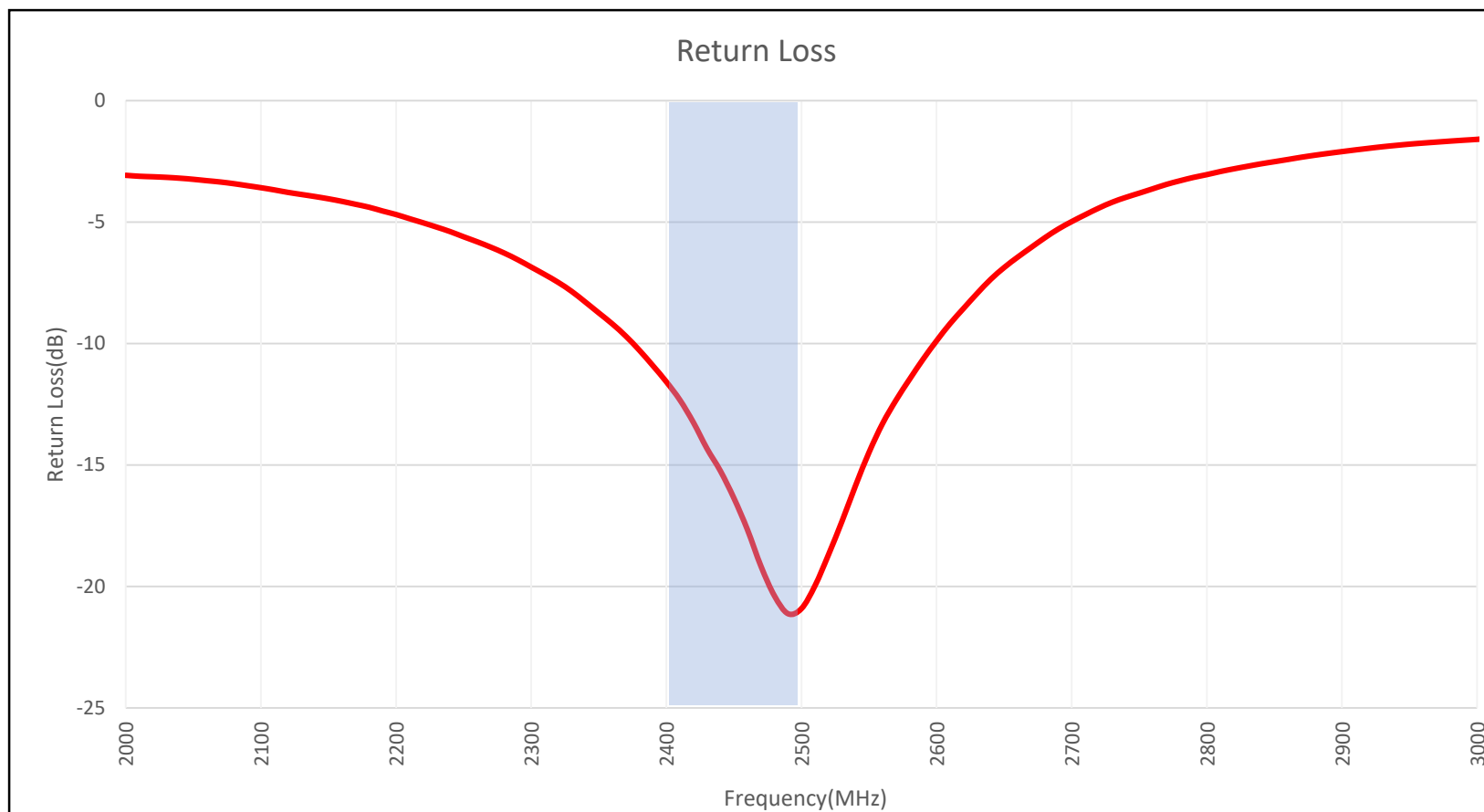
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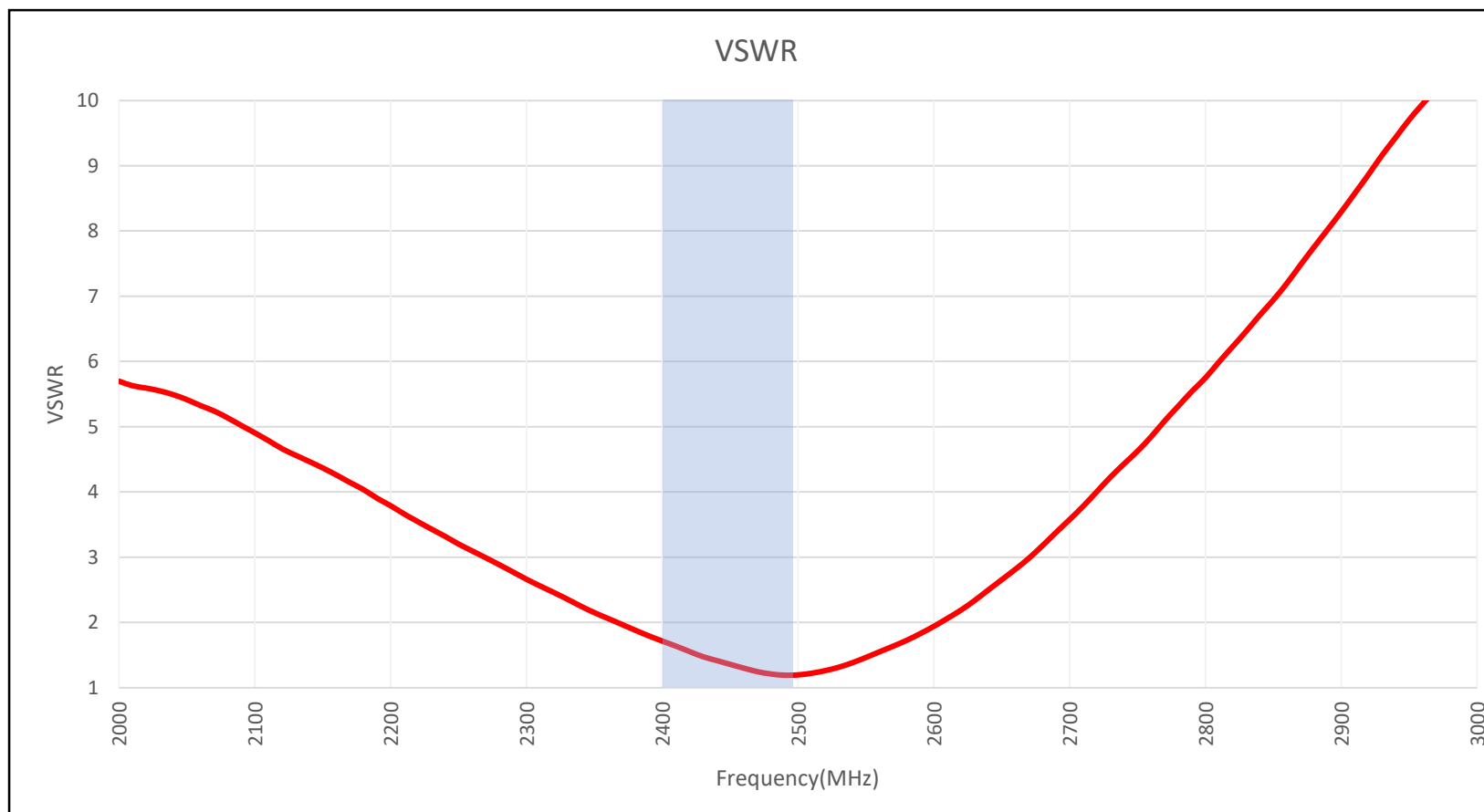
- 天线匹配



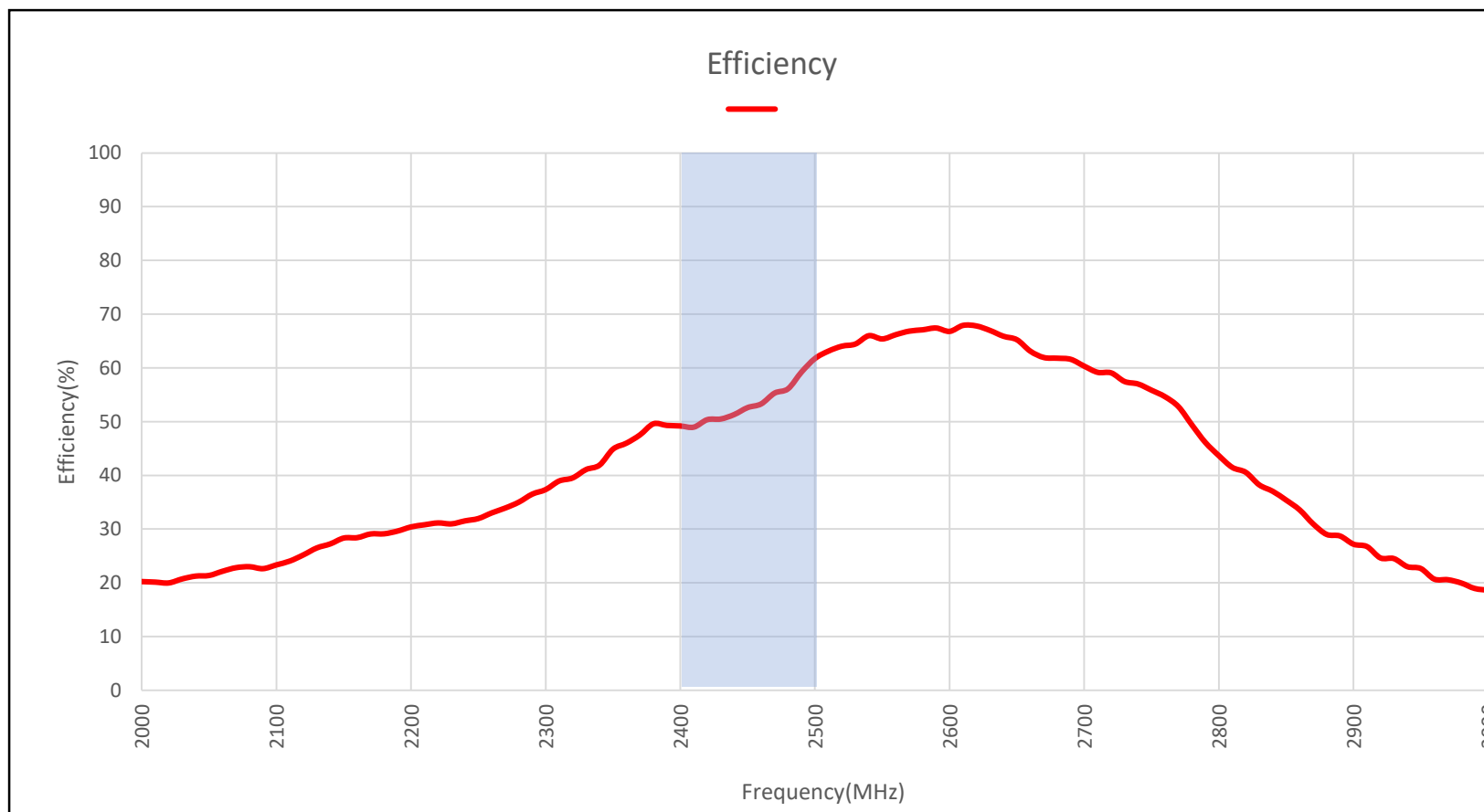
- 回波损耗



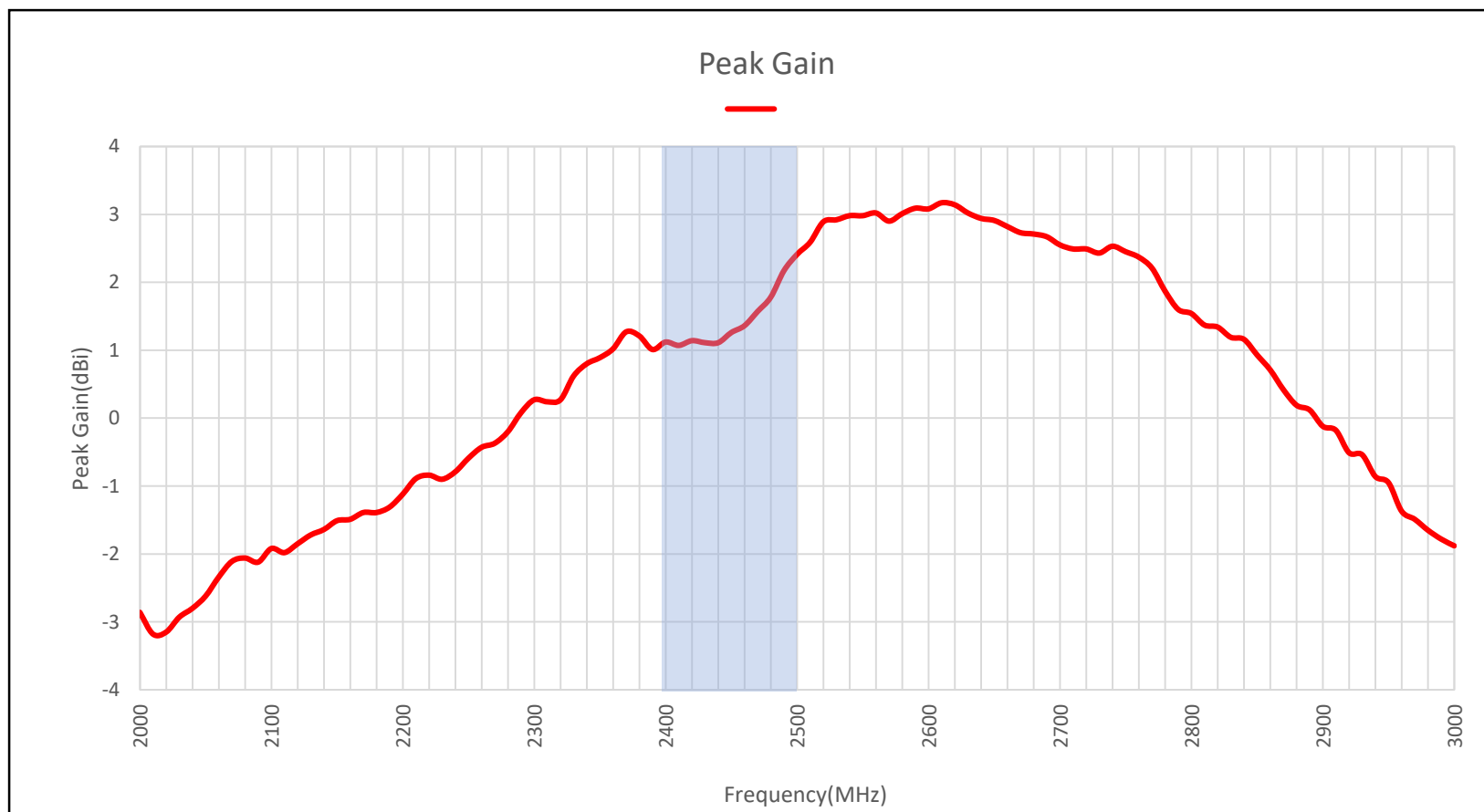
- 驻波比



- 效率



- 增益



- 测试模式： 802.11/g 6M

Band	Channel	TRP	天线效率	TIS
Wifi/2.4G	2412/1	12.3 dBm	49%	-84.5 dBm
	2437/6	12.7 dBm	52%	-83.7 dBm
	2462/11	13.0 dBm	61%	-84.1 dBm



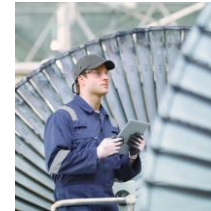
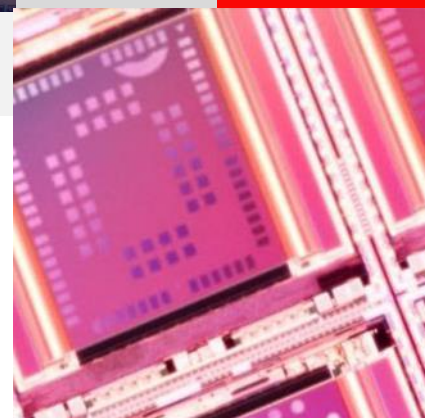
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- 仿真2400-2500MHz的平均效率为53%；
- 天线的增益最大值为2.4dBi；



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backed by outstanding support and
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- A passionate, dedicated team of “Quectelers” ensure our customers always come first

Thank You

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