



WLT8016M Antenna specification

ANT Model: WLT8016M

Max. Gain: -0.06dBi

Frequency band: 2400-2500MHz

manufacturer: Wi-linktech Communication Technologies(Shanghai) Co.,Ltd.

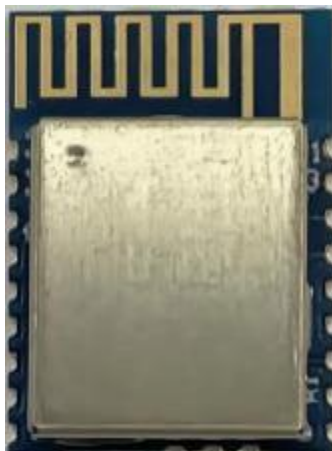
最新版本 V1.3

维霖通(上海)通信技术有限公司

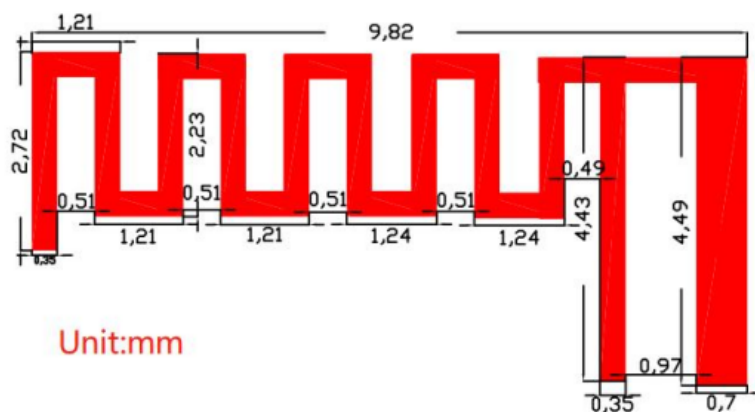
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1.overview

This antenna specification document describes the RF performance of the WLT8016M module onboard antenna, ensuring that when connected to a 50 ohm source, the VSWR is less than 3 in the 2.4 GHz ISM frequency band, and the gain maps of the antenna in different directions, as well as the antenna efficiency and gain values in different frequency bands.



1- 1 : WLT8016M



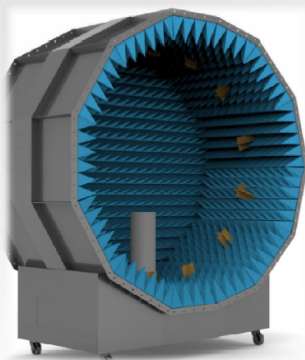
Unit:mm

WLT8016M Module antenna size

2.Test equipment

测试设备 / Equipment

auden



- Chamber : GTS Rayzone1800
- 网络分析仪 : Agilent E5071C
- 2G/3G综测仪 : Agilent 8960
- LTE综测仪 : Anritsu MT8820
- TD综测仪 : StarPoint SP6010
- WIFI综测仪 : Anritsu MT8860
- GPS信号源 : Agilent E4438C

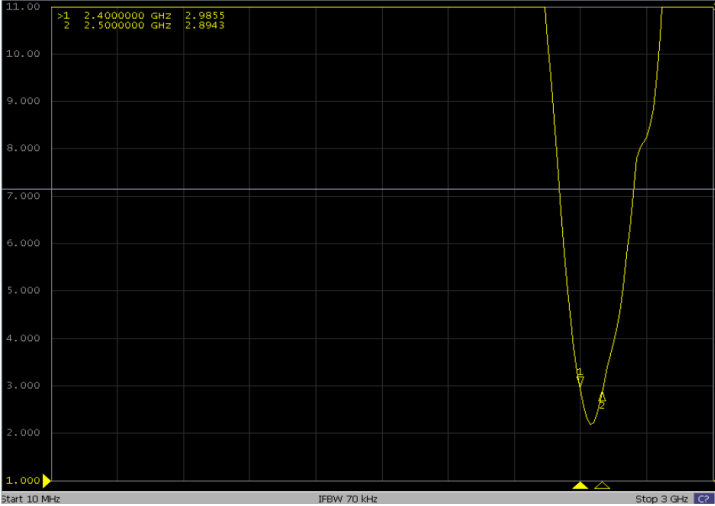


VS

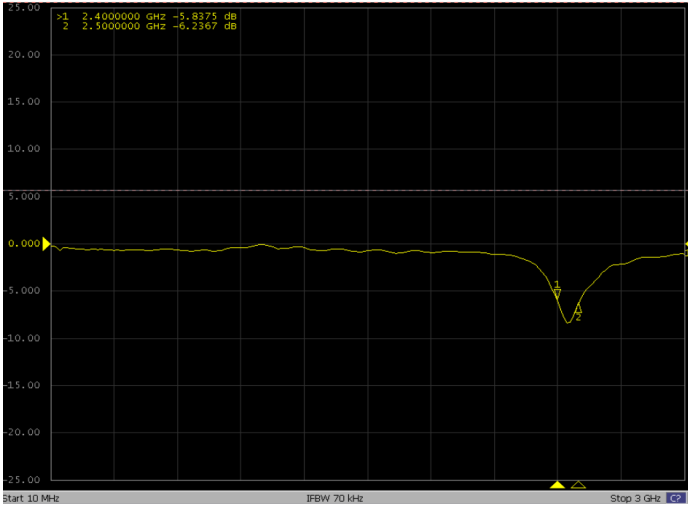
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Many aspects of this presentation are protected by US, TW, CN and international patents and patent applications

3.Return loss、 VSWR



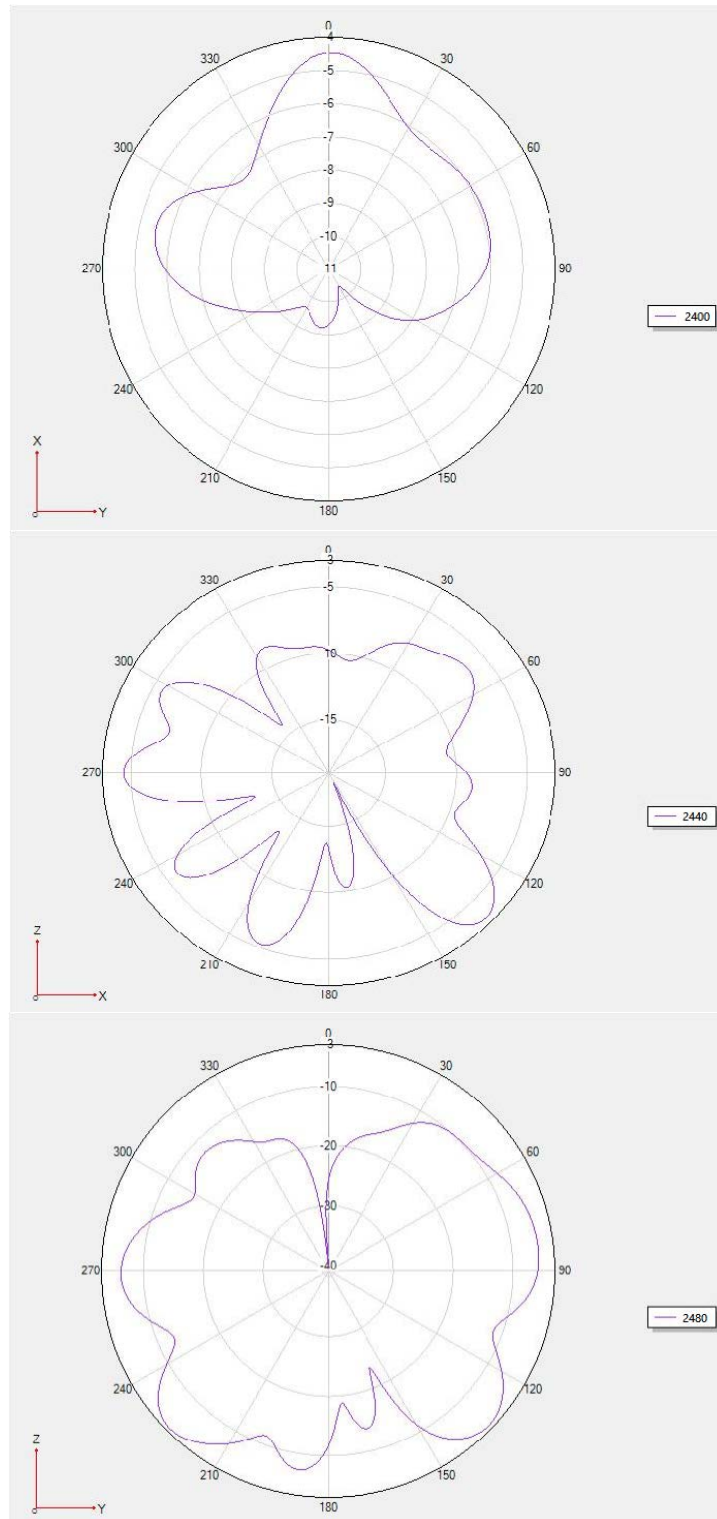
VSWR



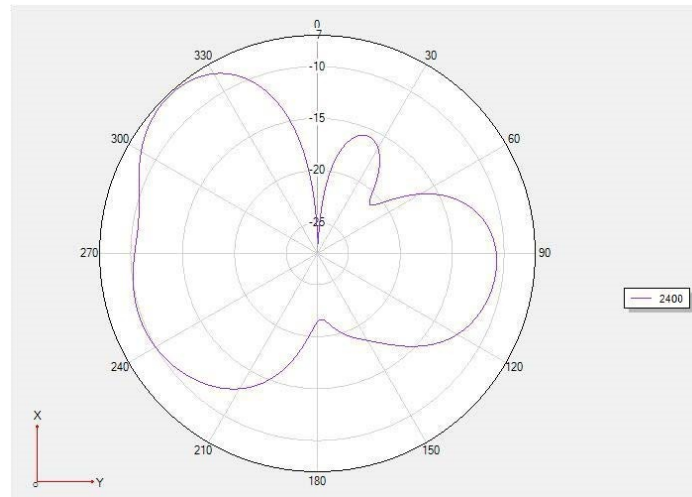
Return loss

4. Direction and gain diagram

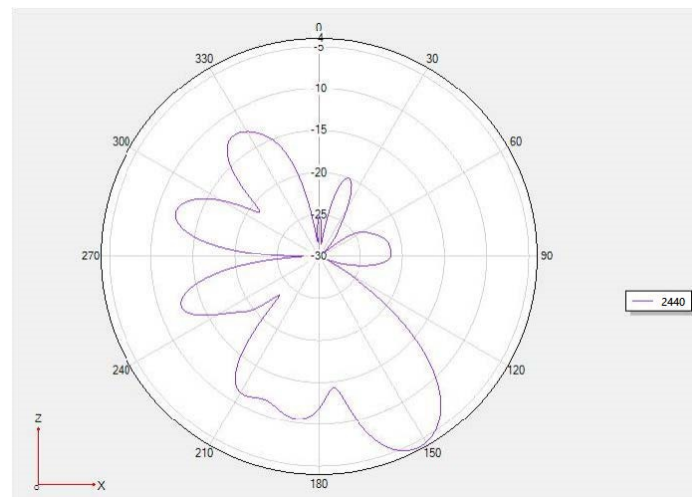
Etheta[Unit:dBi]



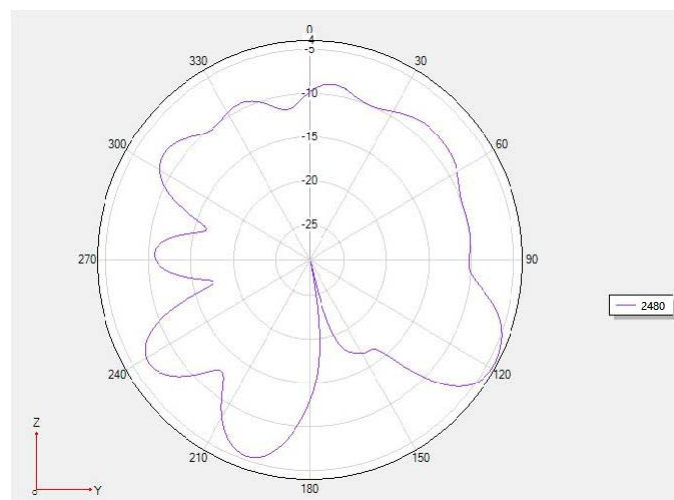
Ephi[Unit:dBi]



增益: -1.90dBi



增益: -0.72dBi



增益: -0.06dBi

5. Antenna gain table

Frequency / MHz	Efficiency / %	Gain/ dBi
2400	22.29	-1.90
2410	24.61	-1.52
2420	26.72	-1.15
2430	28.62	-0.77
2440	27.97	-0.72
2450	30.65	-0.17
2460	30.04	-0.16
2470	28.77	-0.17
2480	28.70	-0.06
2490	26.38	-0.34
2500	25.77	-0.40