

物料规格书

SPECIFICATION FOR APPROVAL

拓竹项目名Name of TuoZhu Project :

N8

拓竹 TuoZhu P/N:

Y.TX.FP.Z00208

睿翔(Innowave) 项目名Project Name :

JS44

睿翔(Innowave) P/N :

F262S4412T11000

产品描述Product Description

JS44-WIFI 天线 antenna

版本version

版本version: 1.0

制定日期

Date: 2026-08-10

制订	审核	核准	客户验收
Prepared	Checked	Approved	Accepted

版本version

版本 version	日期 Date	内容 content	作者 author
V1.0	2026.08.10	初版first edition	刘淦彬 Liu Ganbin

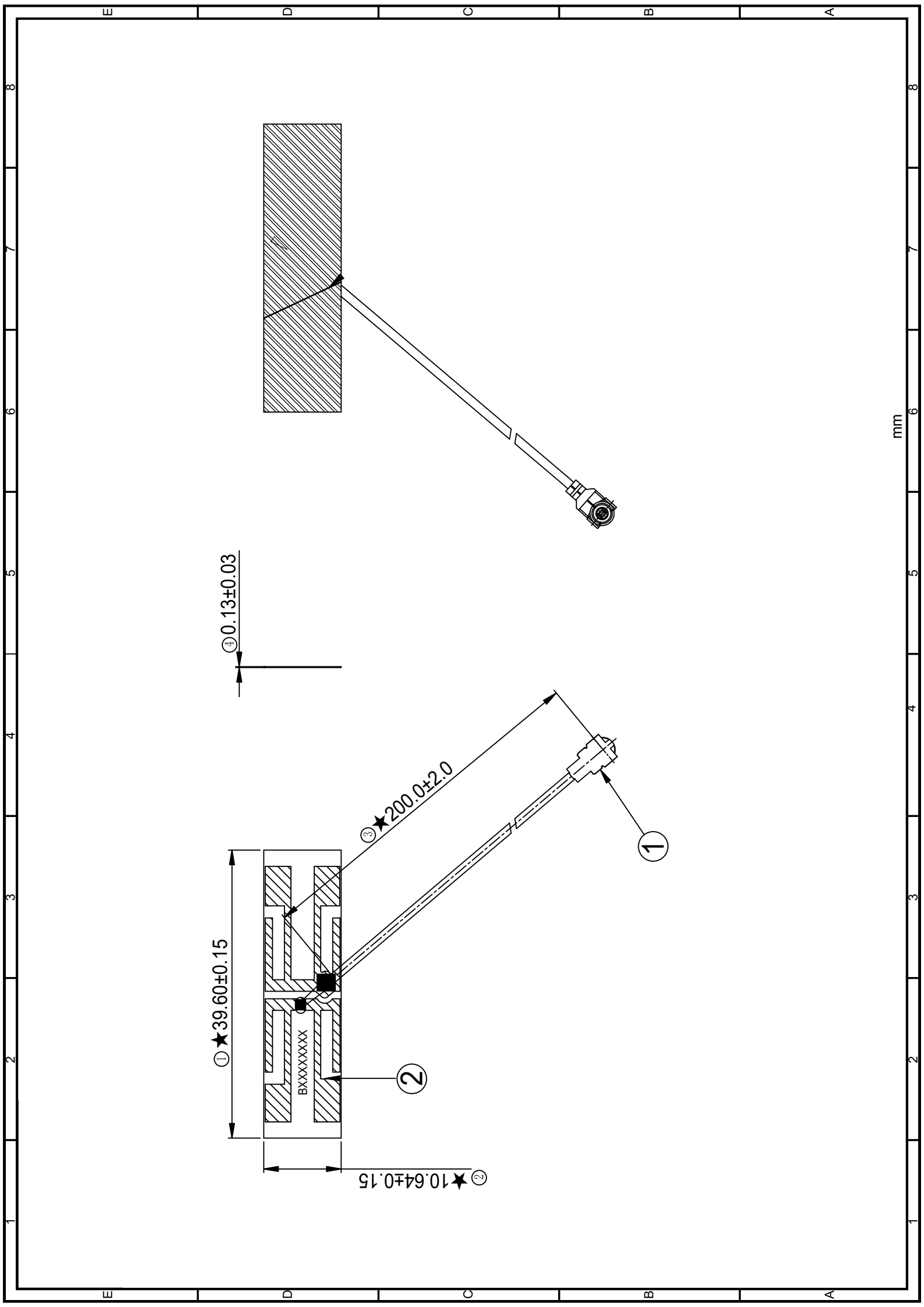
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一.产品规格说明Product Specifications

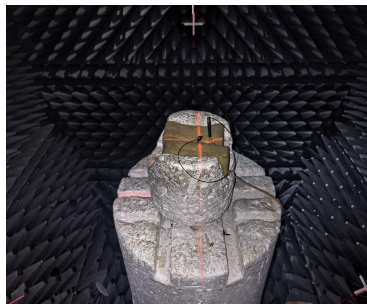
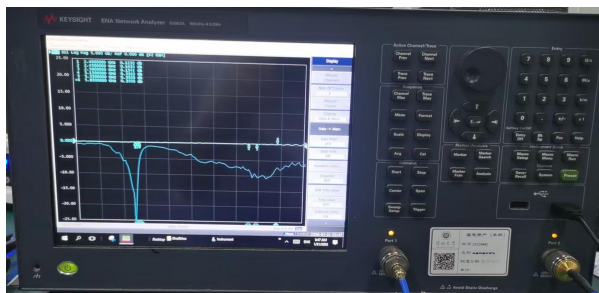
WIFI 天线技术指标	
天线尺寸 antenna size	39.6mm*10.64mm*0.13mm
同轴线 coaxial cable	Ø1.13 同轴线,黑色 L200mm,
接头Connector	第一代端子First generation terminal
频率范围frequency range (MHZ)	2400~2500 ; 5150~5850
特性阻抗characteristic impedance(Ω)	50
电压驻波比 Voltage Standing Wave Ratio	≤ 2
效率efficiency	> 45%
最大增益Maximum gain(dBi)	2.93
极化方式polarization mode	线极化Linear polarization
方向性directionality	全向omnidirectional

二.产品图纸Product drawing



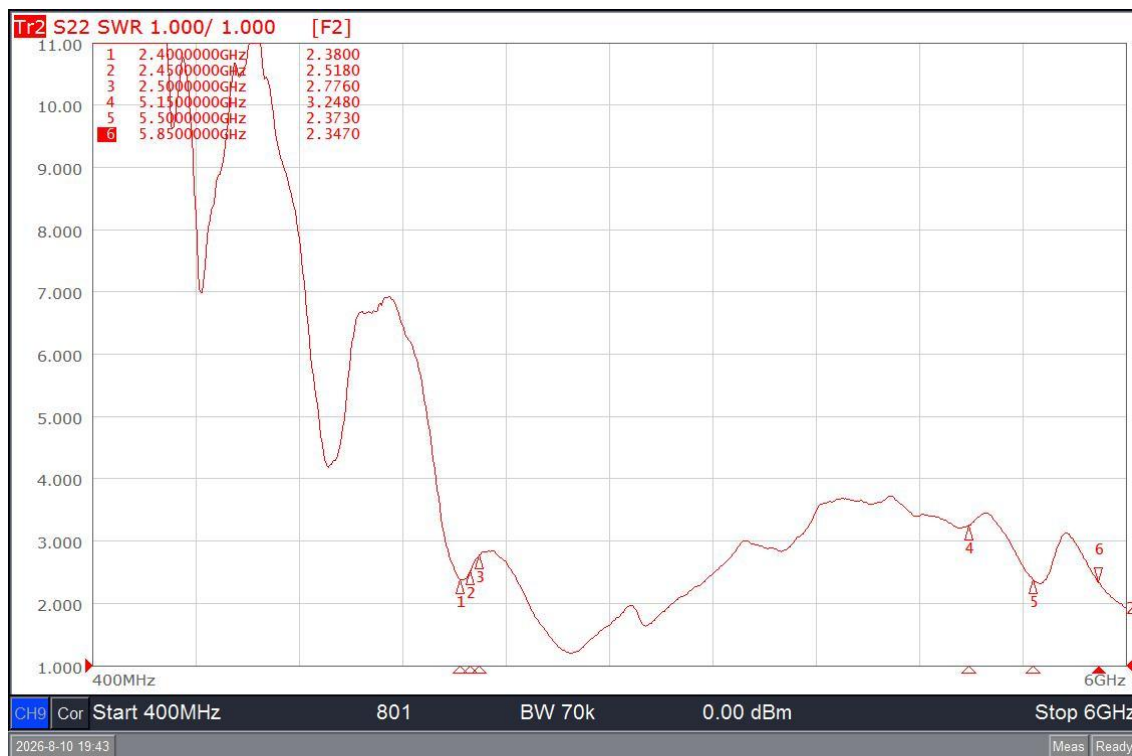
三.产品测试Product testing

3.1 测试环境test environment :



3.2 Return Loss/VSWR 测试 Return Loss/VSWR test

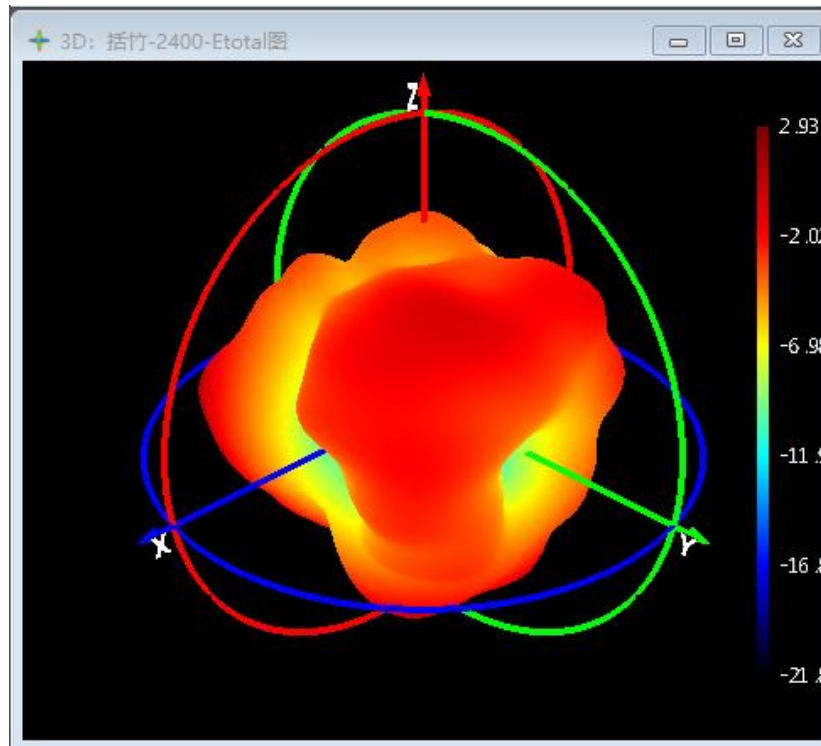




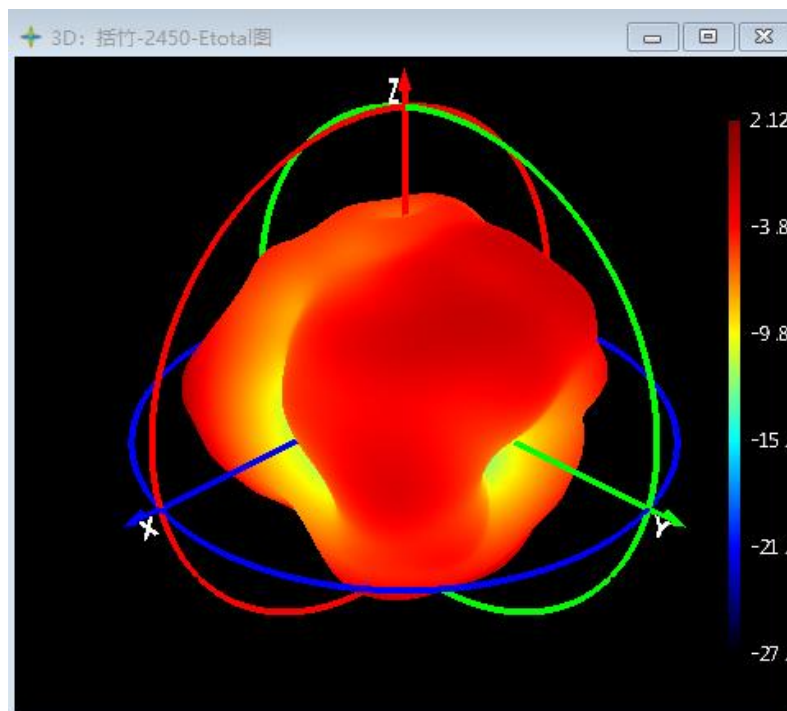
3.3 增益&效率 Gain&Efficiency

frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	42.58	2.93
2450	34.58	2.12
2500	40.67	1.1
5150	22.56	-3.31
5250	31.97	-0.48
5350	33.91	1.92
5450	40.48	2.69
5550	35.77	2.75
5650	37.76	-0.97
5750	35.99	-0.61
5850	42.93	0.74

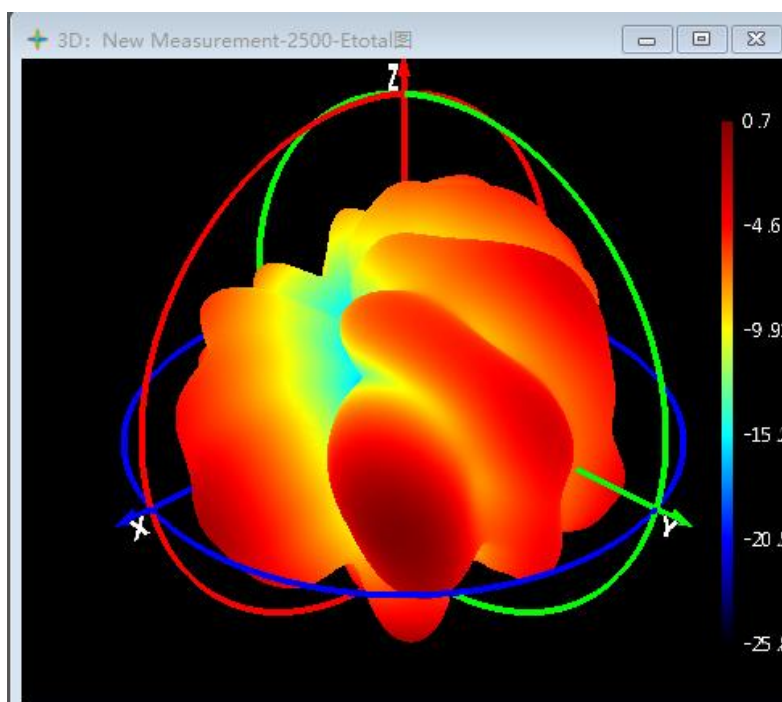
3.4 方向图Pattern :



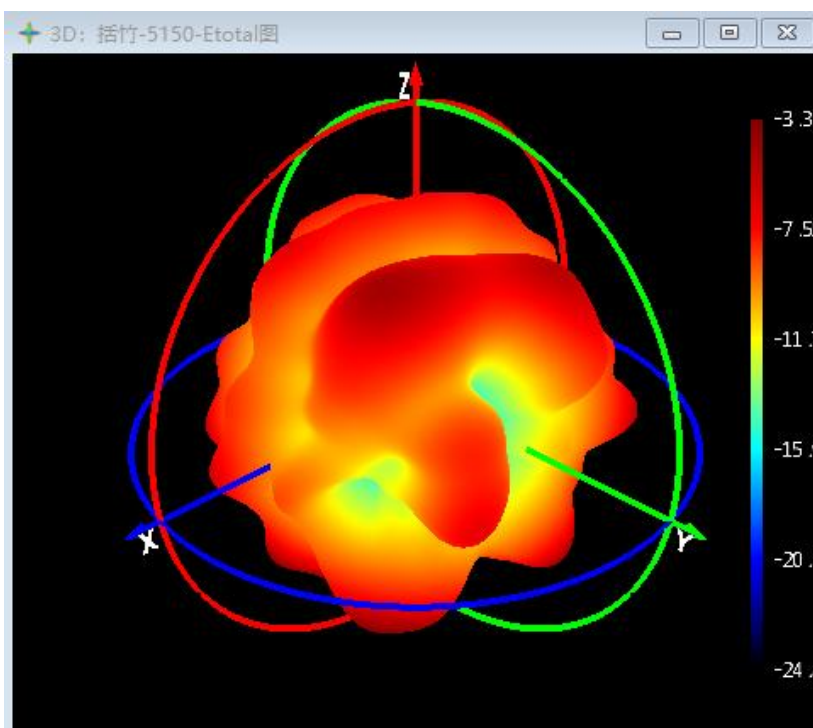
2400MHz



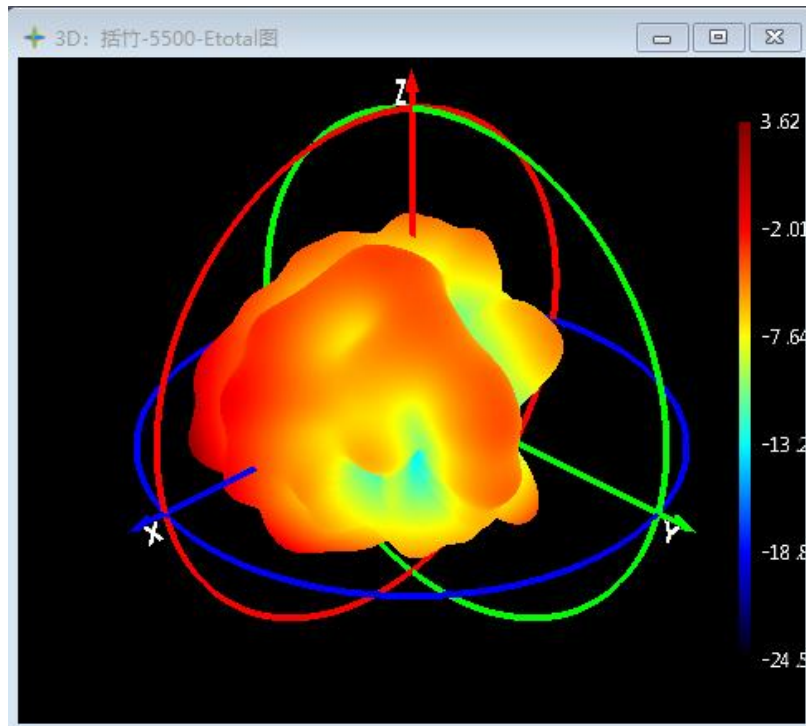
2450MHz



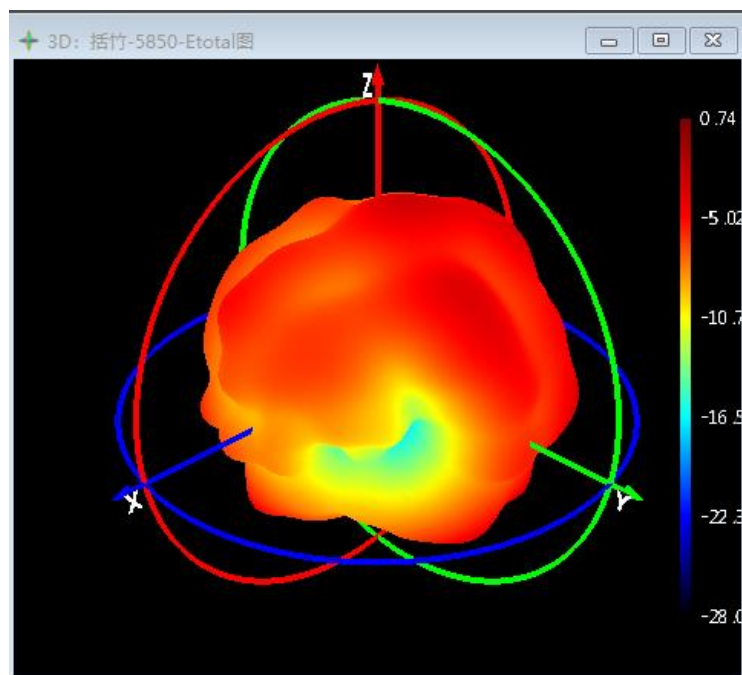
2500MHz



5150MHz



5500MHz



5850MHz