



# 承认书

## SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME: 富士伟业

产品名称

PRODUCT NAME: NT644Elite wireless 天线

客户料号

CUSTOMER P/N: NT644Elite wireless

众成料号

ZC 料号 P/N: 8723DS-NT644 REV:A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
AUDITOR BY:		
APPROVED BY:		
DATE:	2023-11-30	



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## 1. 产品图片



## 2. 规格表:

主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
特性阻抗 (Ω)	50	Impedance (Ω)	50
增益 (dbi)	0.81	Gain (dbi)	0.81
输出电压驻波比	<2.5	VSWR	<2.5
最大功率	10W	Admitted Power	10W
极化方式	垂直级化	Polarization	Linear Vertical
方向性	全向性	Radiation	Omni-directional

## 3. 测试报告

### 3.1 Active test data

Item	Standard	Band	Channel	Frequency	TRP	TIS
1	WIFI (AP)	WIFI_B (11M)	1	2412	<b>14.59</b>	<b>-77.53</b>
2	WIFI (AP)	WIFI_B (11M)	6	2437	<b>14.15</b>	<b>-76.76</b>
3	WIFI (AP)	WIFI_B (11M)	11	2462	<b>13.56</b>	<b>-74.91</b>

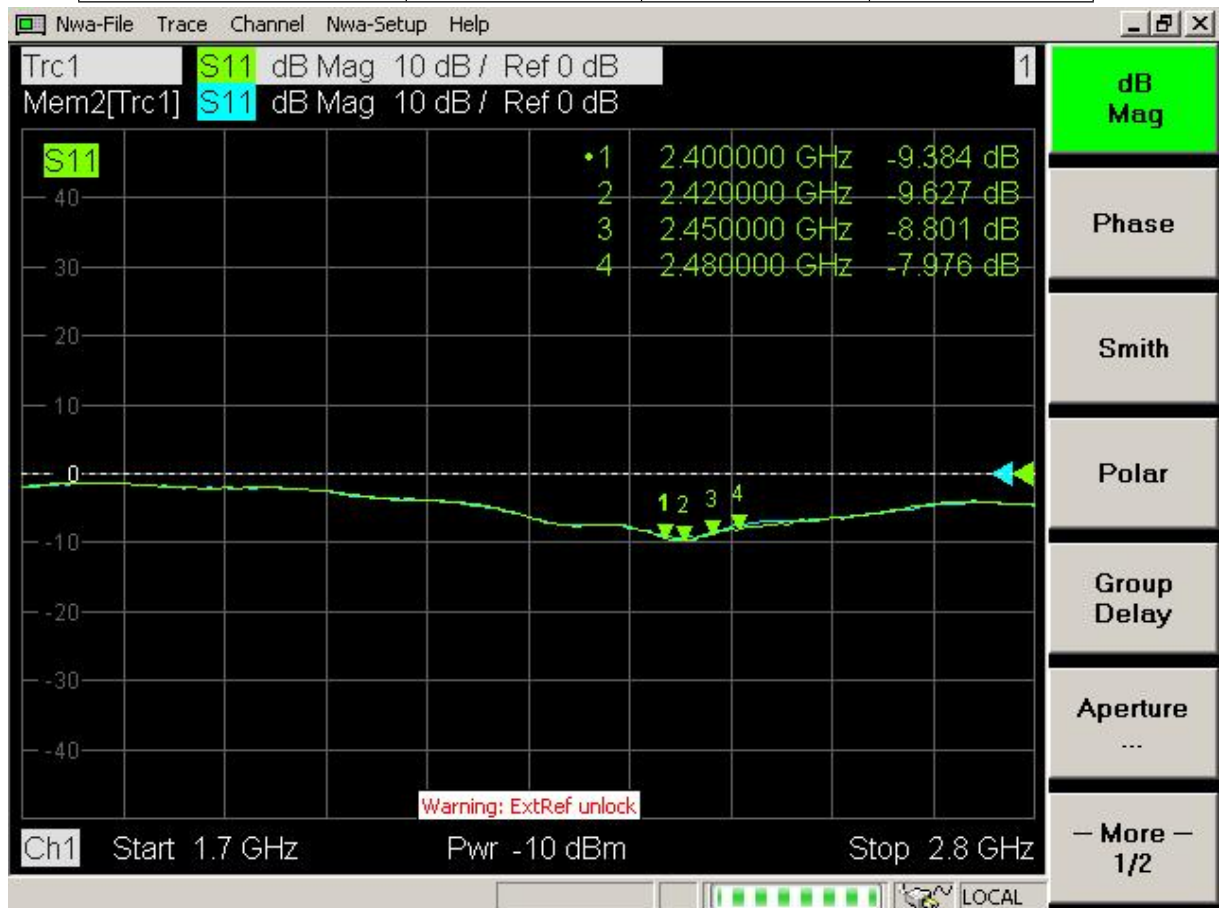


### 3.2 Passive parameters

Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	-1.49	-1.44	-0.79	-0.76	-0.61	-0.69	-0.25	-0.19	0.17	0.19	0.81
Efficiency (%)	26.5	28.1	29.3	31.4	33.8	33.3	31.8	31.6	30.1	28	25.9

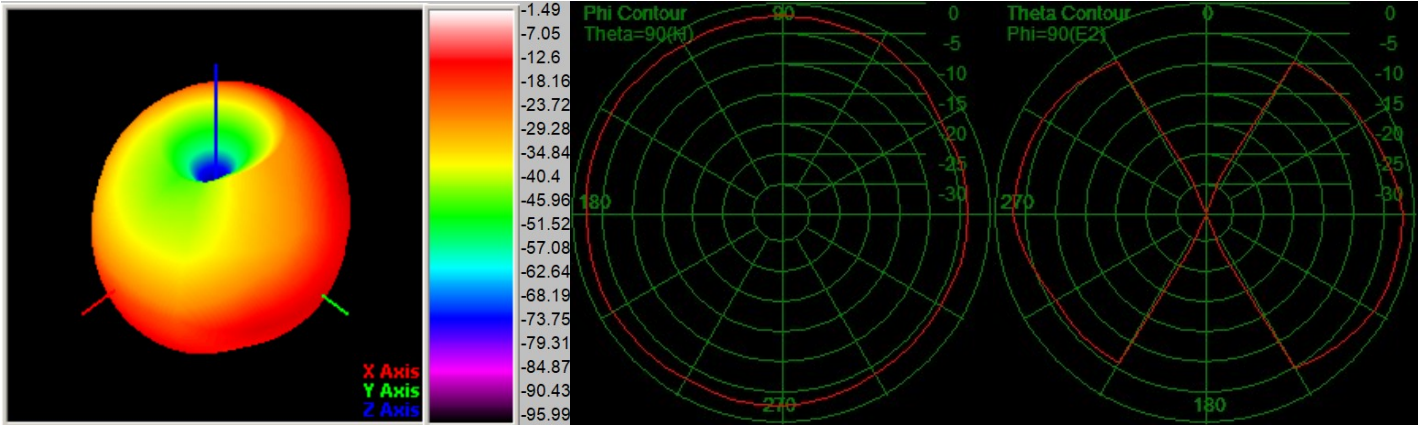
### 3.3 S Parameter

Frequency (MHz)	2400	2450	2480
Return Loss (dB)	-18.2	-20.3	-16.2
VSWR	1.28	1.21	1.38





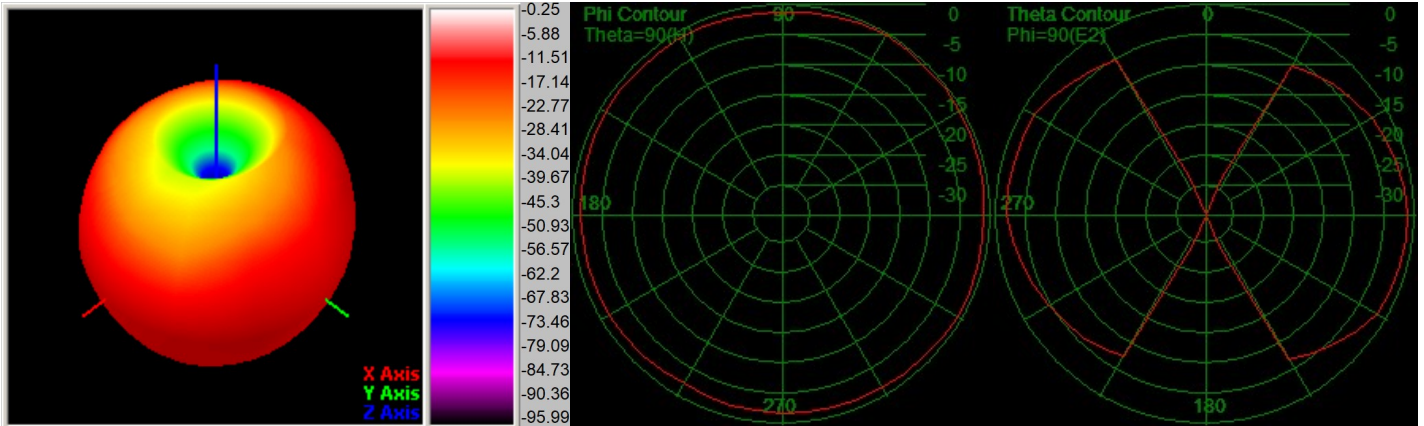
## 3.4 Radiation Pattern



Passive -Freq2400.00MHZ

Gain: -1.49(dBi)

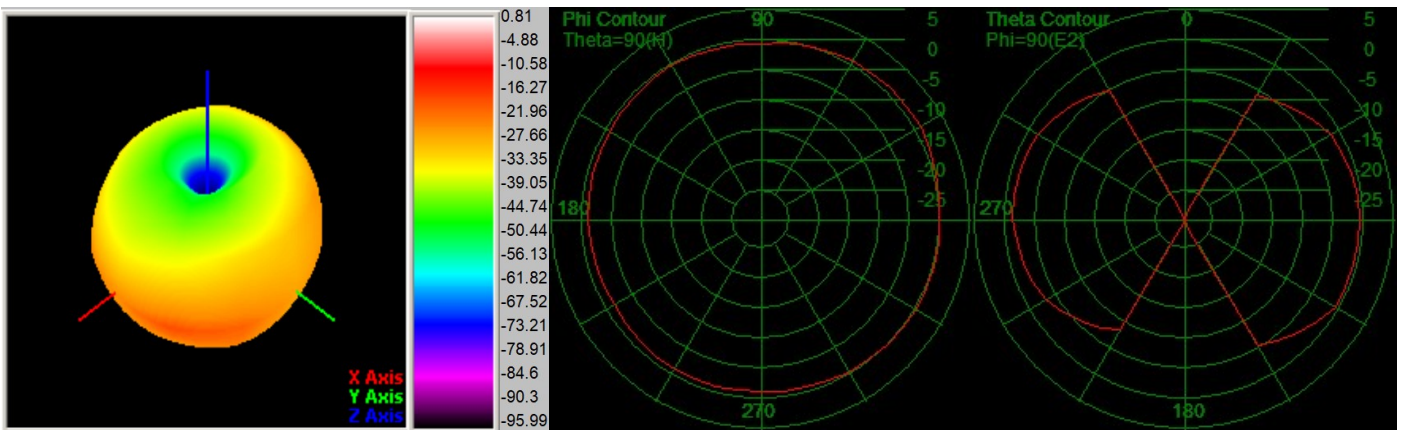
Efficiency: 26.5%



Passive -Freq2460.00MHZ

Gain: -0.25(dBi)

Efficiency: 31.8%



Passive -Freq2500.00MHZ

Gain: 0.81(dBi)

Efficiency: 25.9%





4. 天线图

