



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:	2025-2-14	



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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, 5150-5350, 5725-5850	Frequency Range (MHZ)	2400-2500, 5150-5350, 5725-5850
特性阻抗 (Ω)	50	Impedance (Ω)	50
增益 (dbi)	2.4GHZ 0.8, 5.1GHZ 3.2, 5.8GHZ 4.45	Gain (dbi)	2.4GHZ 0.8, 5.1GHZ 3.2, 5.8GHZ 4.45
输出电压驻波比	<3.1	VSWR	<3.1
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



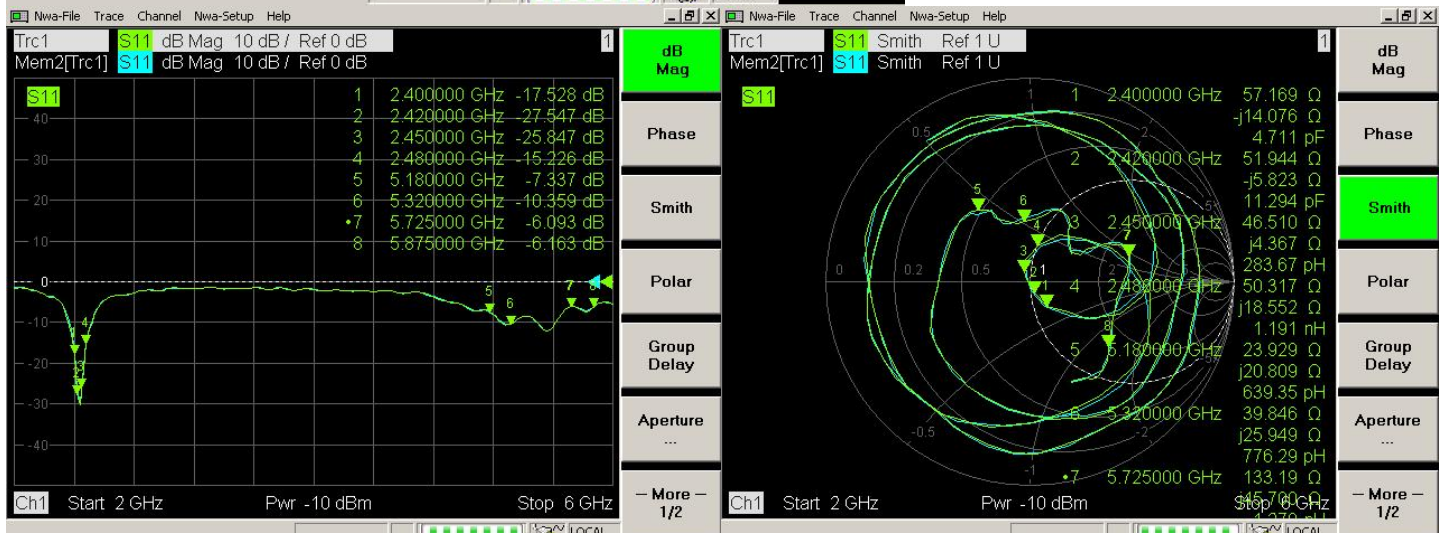
3. 测试报告

3.1 Passive parameters

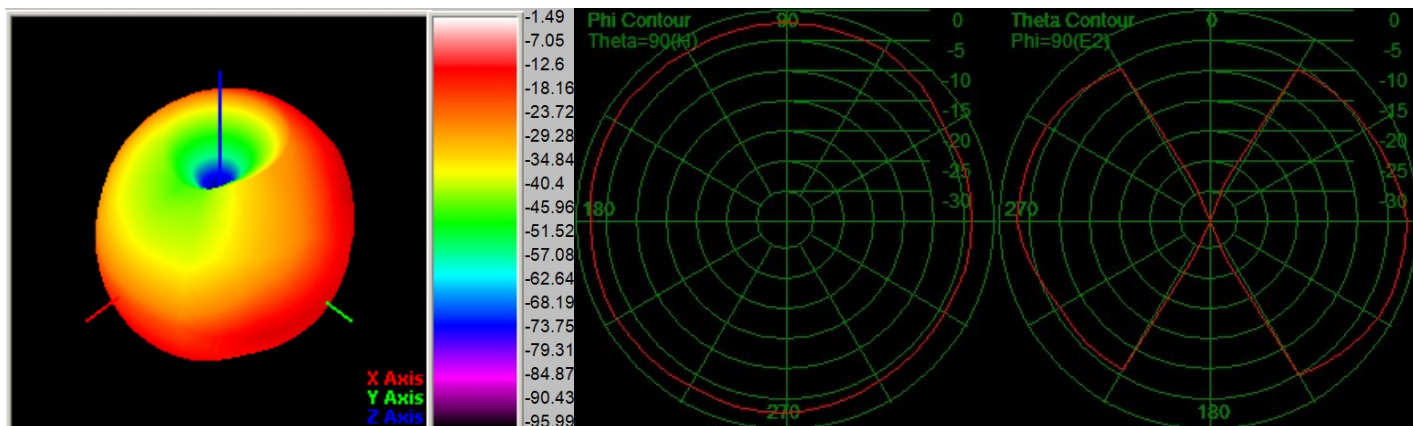
Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	-1.49	-1.44	-0.79	-0.76	-0.61	-0.69	-0.25	-0.19	0.17	0.19	0.81
Freq. (MHz)	5150	5170	5190	5210	5230	5250	5270	5290	5310	5330	5350
Gain (dBi)	1.01	1.81	1.36	1.23	1.11	0.99	1.71	3.2	2.5	1.29	1.13
Freq. (MHz)	5720	5740	5760	5780	5800	5820	5840	5860	5880		
Gain (dBi)	2.51	4.45	3.32	4.18	2.54	4.01	1.41	2.47	1.09		

3.2 S Parameter

Frequency (MHz)	2400	2450	2480	5180	5725	5875
Return Loss (dB)	-17.52	-25.84	-15.22	-7.33	-6.09	-6.16
VSWR	1.33	1.14	1.43	2.53	2.98	3.07



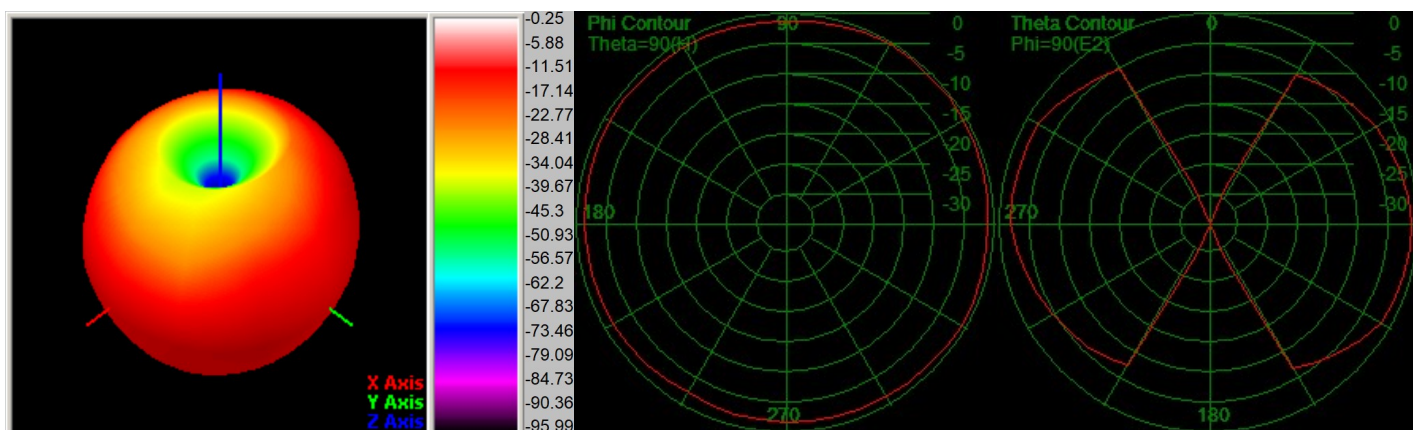
3.3 Radiation Pattern



Passive -Freq2400.00MHZ

Gain: -1.49(dBi)

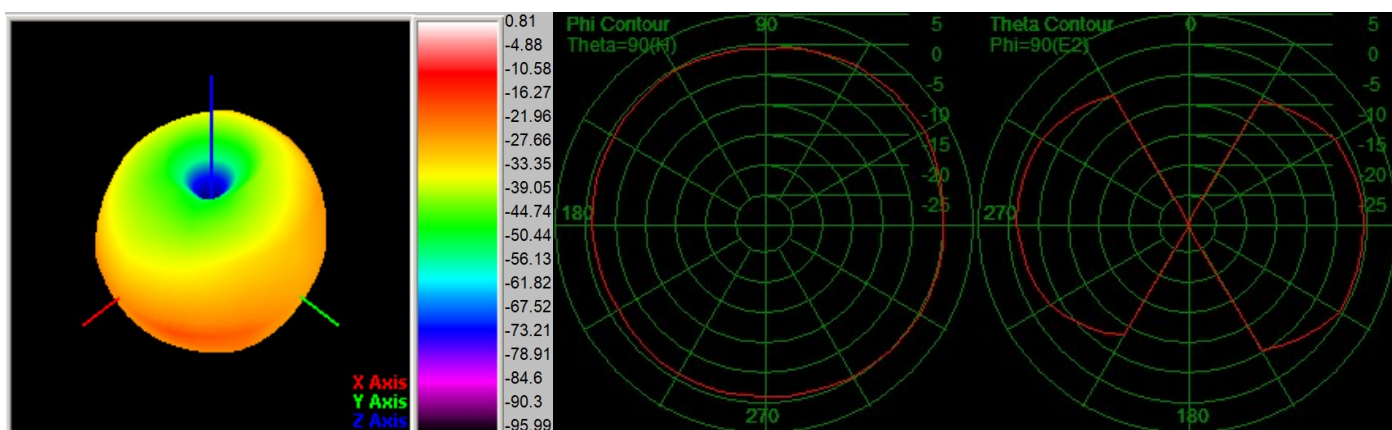
Efficiency: 26.5%



Passive -Freq2460.00MHZ

Gain: -0.25(dBi)

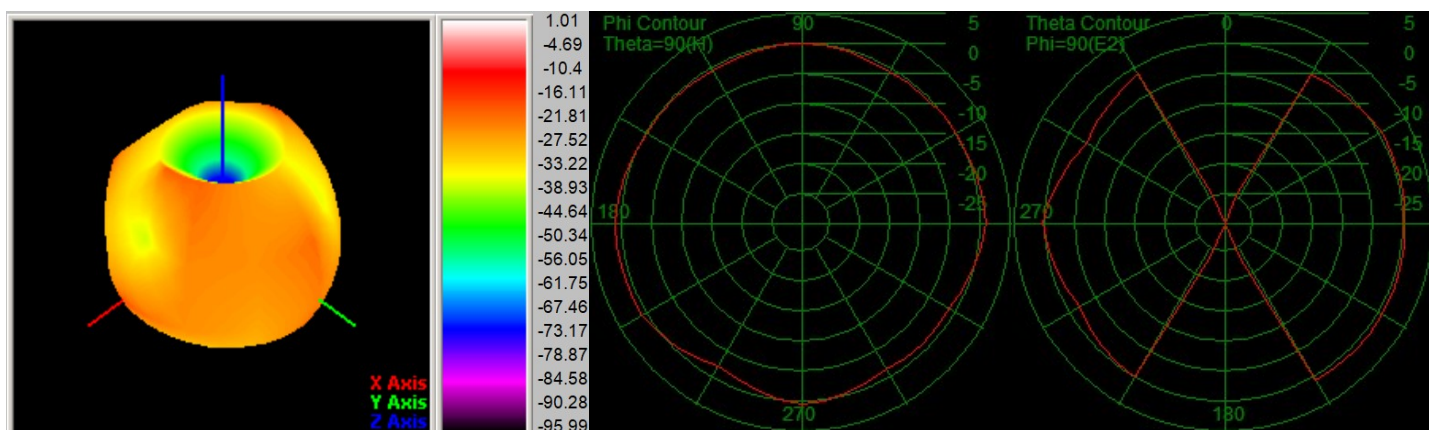
Efficiency: 31.8%



Passive -Freq2500.00MHZ

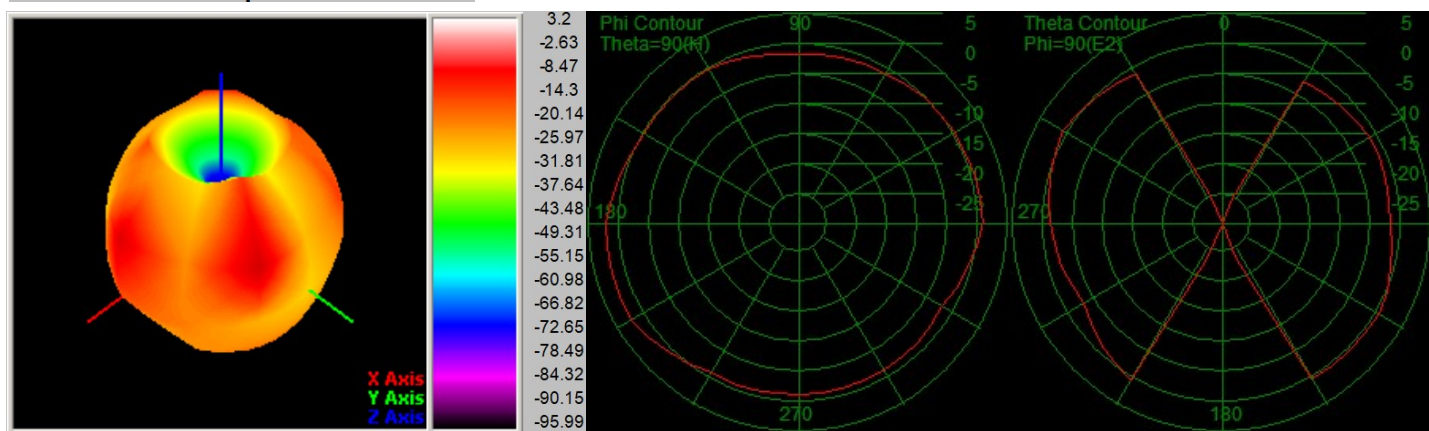
Gain: 0.81(dBi)

Efficiency: 25.9%



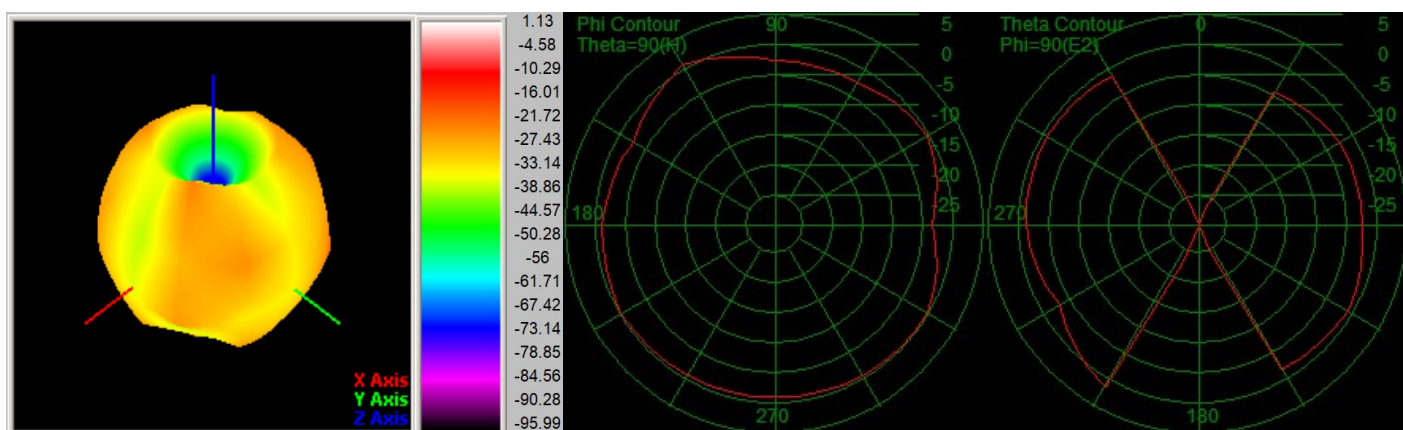
Passive -Freq5150.00MHZ

Gain: 1.01(dBi)



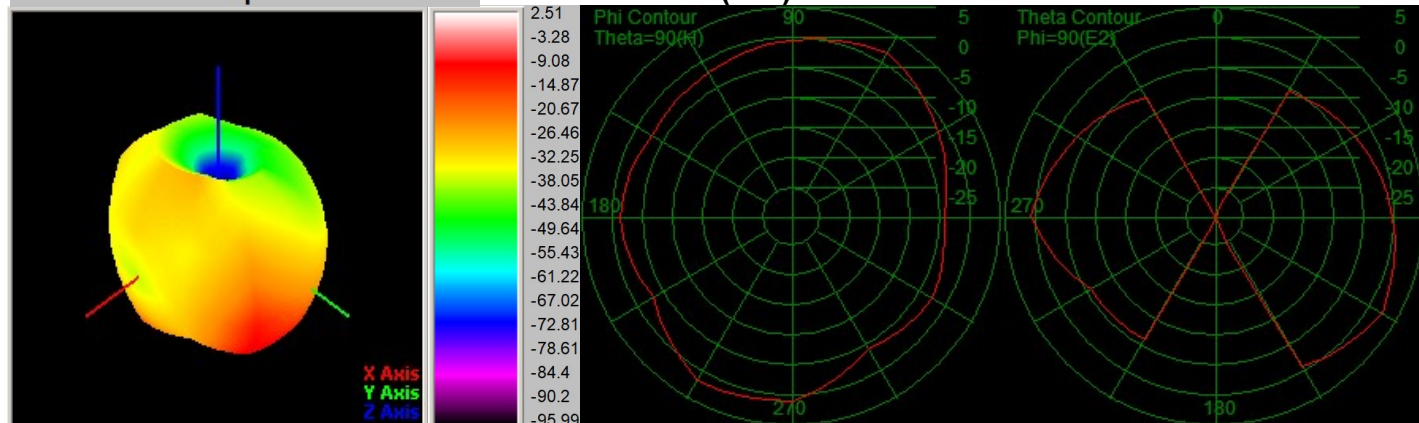
Passive -Freq5290.00MHZ

Gain: 3.2(dBi)



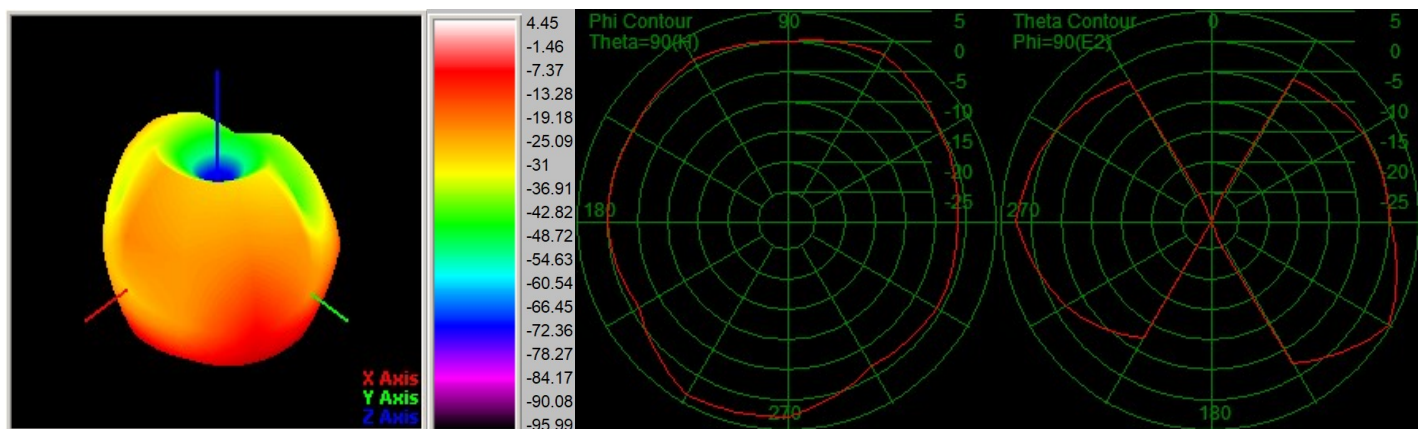
Passive -Freq5350.00MHZ

Gain: 1.13(dBi)



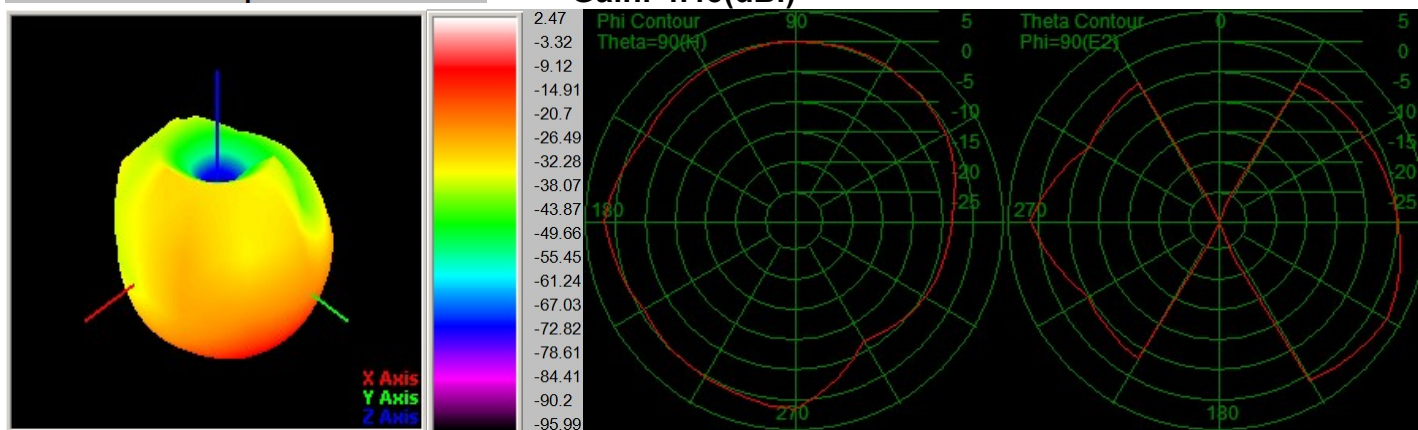
Passive -Freq5720.00MHZ

Gain:2.51(dBi)



Passive -Freq5740.00MHZ

Gain: 4.45(dBi)



Passive -Freq5860.00MHZ

Gain: 2.47(dBi)

4. 天线图 (UNIT:MM)

