



深圳市众芯瑞科技有限公司

Shenzhen Zhongxinrui Communication Technology Co., Ltd.

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承认书

SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME: 深圳德骥创新科技有限公司

产品名称

PRODUCT NAME: TS7000- WIFI 天线

客户料号

CUSTOMER P/N: Z3B0000WIFI

众成料号

ZC 料号 P/N: FC012-CA-93

REV:A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
AUDITOR BY:		
APPROVED BY:		
DATE:	2025-11-26	



Contents

Item	Description
1. -----	产品图片
2. -----	规格表
3. -----	天线装配位置
4. -----	测试报告
5. -----	天线图

1. 产品图片

TS7000 Picture



Antenna Picture



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）	1.7	Gain (dbi)	1.7
输出电压驻波比	<1.5	VSWR	<1.5
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
连接方式	1.13 MHF-1-Plug	Connector Type	1.13 MHF-1-Plug
物理性能		Physical Properties	
天线连接线外皮材料	聚全氟乙丙烯 FEP	Antenna connecting wire outer skin material	FEP



天线 FPCB 基材	聚酰亚胺 PI	Antenna FPCB substrate	PI
工作温度	-20° C ~ +70° C	Operating Temp	-20° C ~ +70° C
保存温度	-20° C ~ +70° C	Storage Temp	-20° C ~ +70° C

3.天线装配位置:



4.测试报告

4.1 RF Performance –WIFI Antenna

4.1.1 Active test data

Item	Standard	Band	Channel	Frequency	TRP	TIS
1	WIFI (AP)	WIFI_B (11M)	1	2412	15.63	-82.25
2	WIFI (AP)	WIFI_B (11M)	6	2437	15.23	-81.11
3	WIFI (AP)	WIFI_B (11M)	11	2462	15.02	-81.13

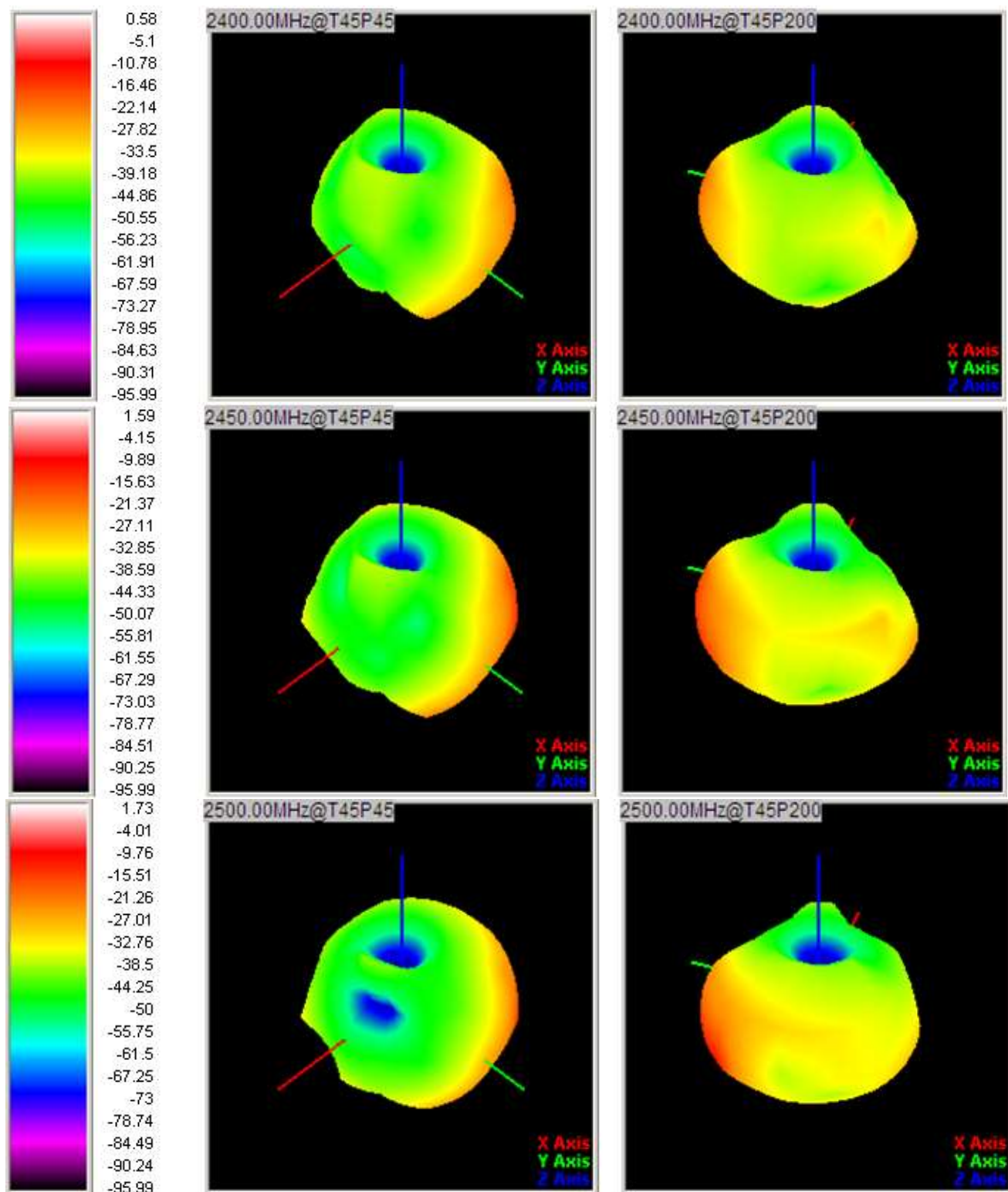
4.1.2 Passive parameters

Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	0.58	0.66	1.1	1.02	1.17	1.59	0.72	0.08	0.72	1.19	1.73





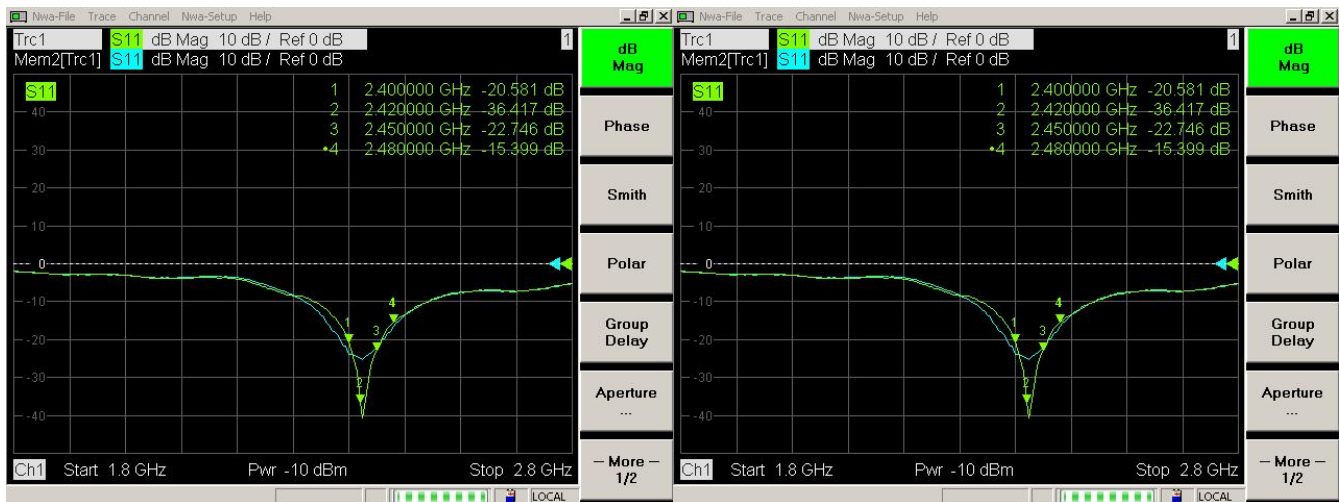
4.1.3 Antenna 3D Radiation Pattern (Unit:dbi)



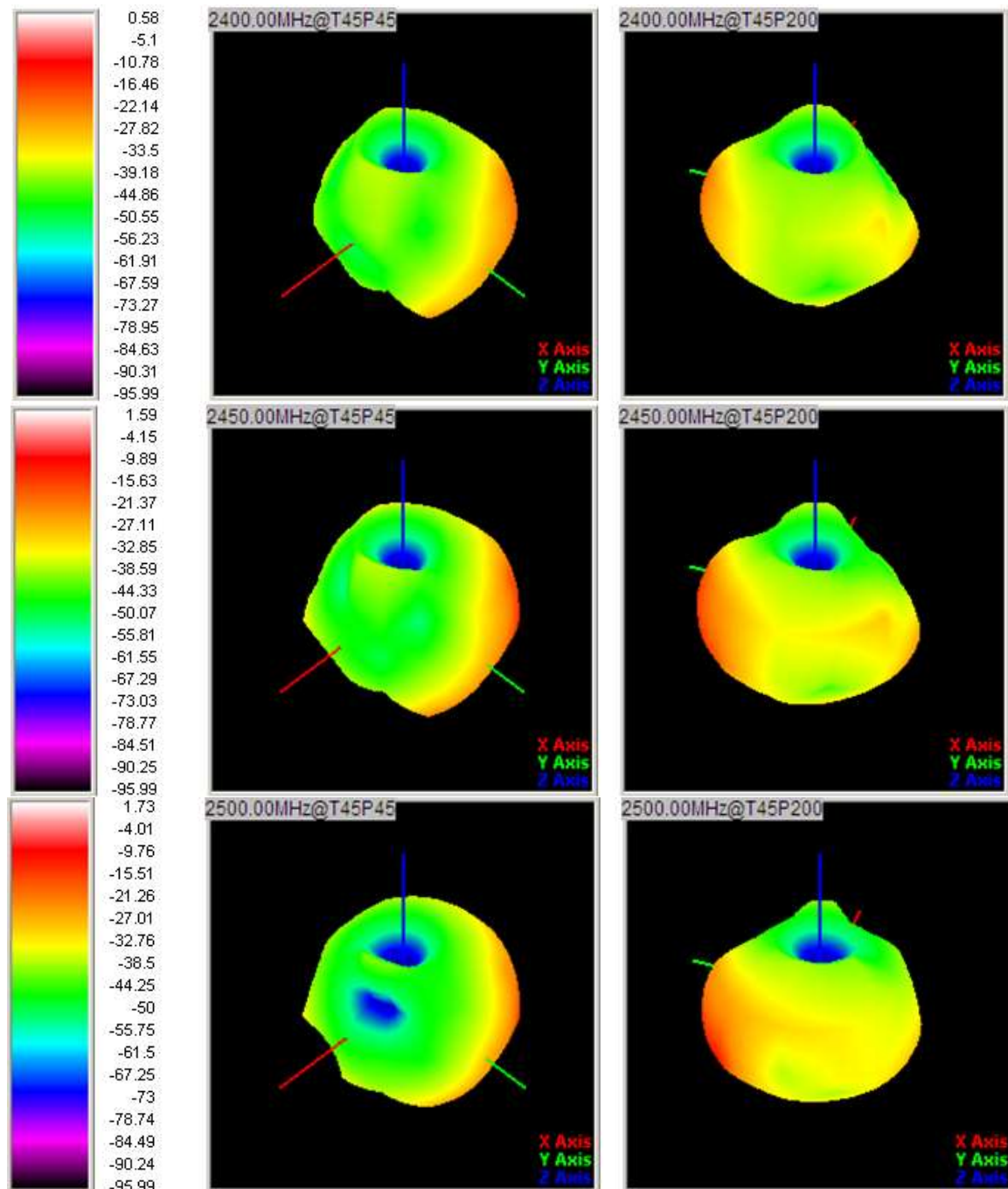
4.2 RF Performance –BT Antenna

4.2.1 Passive parameters

Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	0.58	0.66	1.1	1.02	1.17	1.59	0.72	0.08	0.72	1.19	1.73



4.2.2 Antenna 3D Radiation Pattern (Unit:dbi)





5. 天线图

