

SPECIFICATION

SHEET FOR APPROVAL

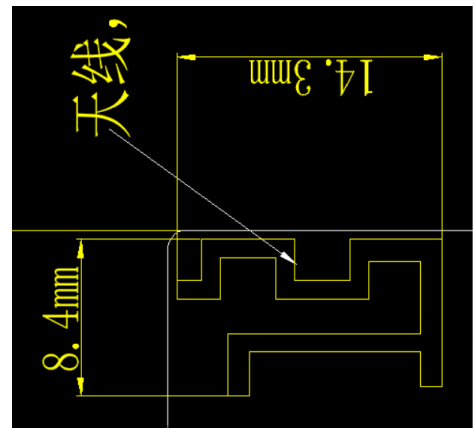
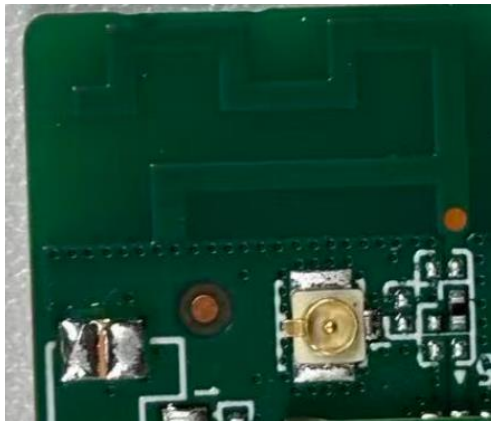
(Revision: 02)

CUSTOMER(客户名称)	通力科技
CS P/N(客户机种)	SV510
PART NAME(品名)	PCB antenna
FREQUENCY(频率)	2.4GHz
ZTX NO.(物料编号)	On-Board antenna
MANUFACTURE(制造商)	Tonly Technology Co.,Ltd
Address (地址)	Section 37, Zhongkai High-tech Development Zone, Huizhou City, Guangdong Province, P.R. China
DATE(日期)	2025-1-27

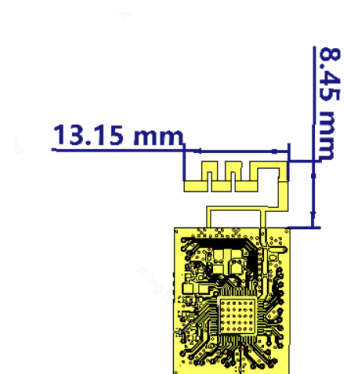
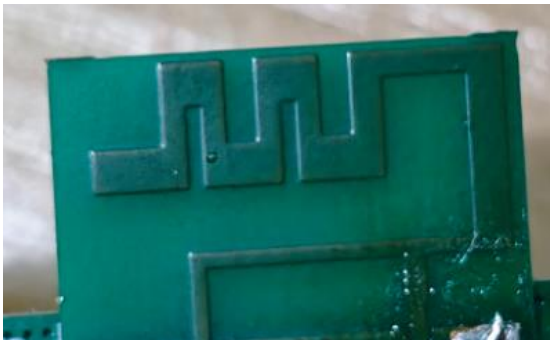
RF CHECKED	MANAGER CHECKED
胡明	

1. Mechanical Specification

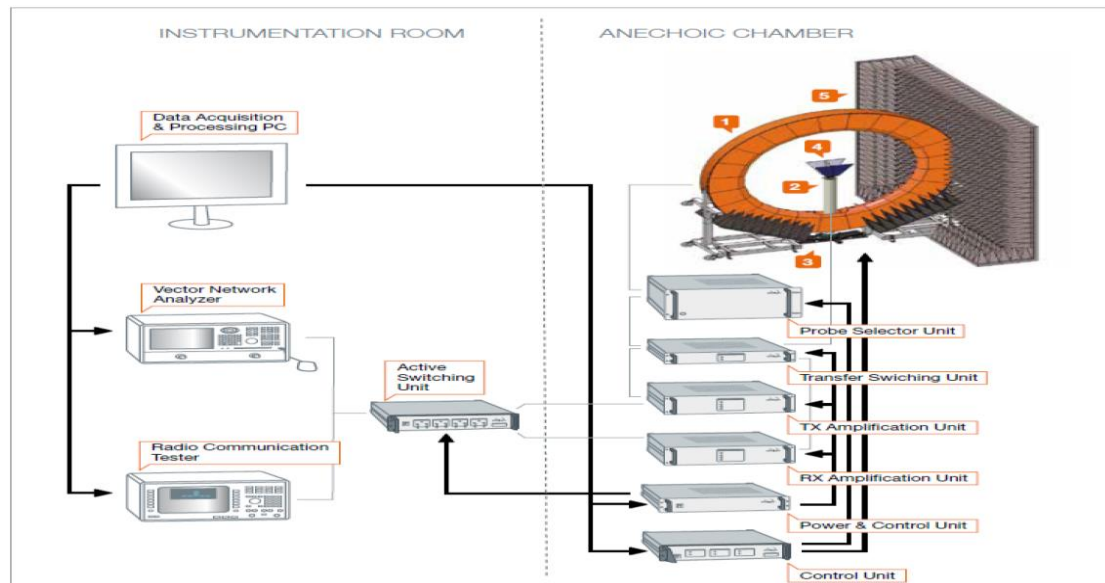
BT天线



wireless TX天线



2.Test configuration diagram

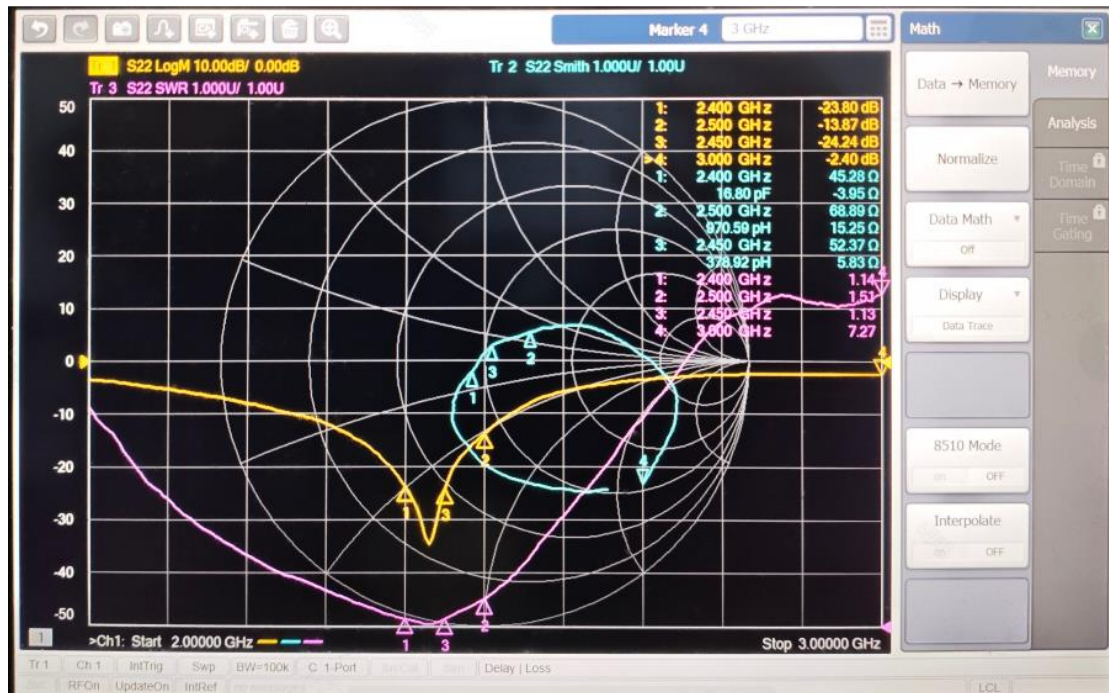


3.Equipment list

Equipment	Manufacturer	Model No	Serial No.	Last Cal.	Due Date
Network Aanlyzer	Agilent	E5071C	MY46630767	2024.4.27	2025.4.26
Microwave chamber	GTS	GTS Maxsign-Dart7000		2024.4.27	2025.4.26
Turn table	GTS	Dart-700 turn table		2024.4.27	2025.4.26
turn table controller	GTS	Dart-700 turn table controller		2024.4.27	2025.4.26
Broad-Band Horn Antenna	GTS	AT-6000	MA-D0460	2024.4.27	2025.4.26
Test Software	GTS	Libra Version-3.0.3.1		2023.4.27	2024.4.26

4. Antenna S11

BT



wireless TX



5. Antenna Performance

BT天线

Frequency(MHZ)	Efficiency (db)	Gain(dBi)	Efficiency(%)
2400	-2.58	2.86	55.21
2410	-2.61	2.88	54.83
2420	-2.67	2.75	54.08
2430	-2.8	2.55	52.48
2440	-2.9	2.53	51.29
2450	-2.99	2.27	50.23
2460	-3.05	2.22	49.55
2470	-3.11	2.18	48.87
2480	-3.12	2.07	48.75

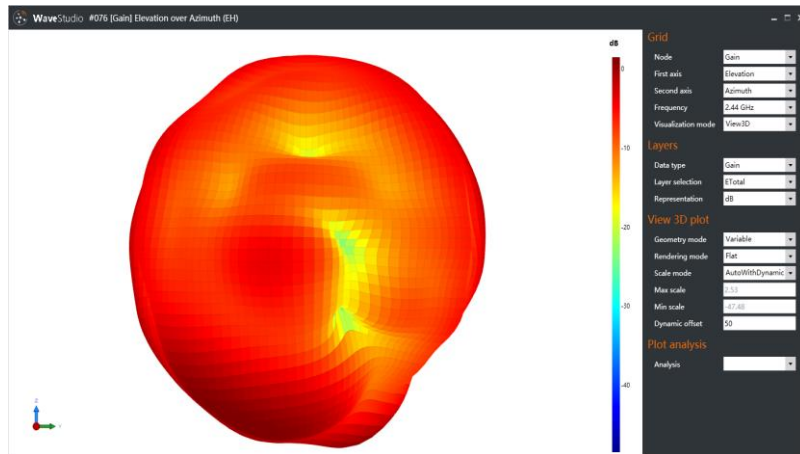
Wireless TX天线

Frequency(MHZ)	Efficiency (db)	Gain(dBi)	Efficiency(%)
2400	-2.37	2.49	57.94
2410	-2.4	2.39	57.54
2420	-2.49	2.16	56.36
2430	-2.58	2.87	55.21
2440	-2.74	2.68	53.21
2450	-2.79	2.57	52.60
2460	-2.93	2.44	50.93
2470	-2.97	2.29	50.47
2480	-3.04	2.25	49.66

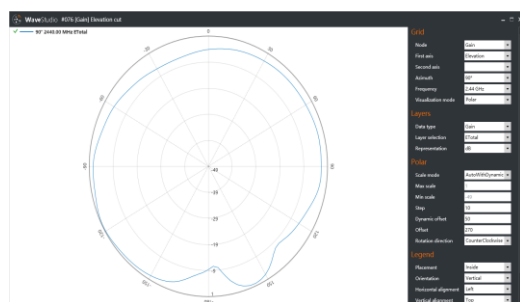
6.Radiation pattern

BT天线

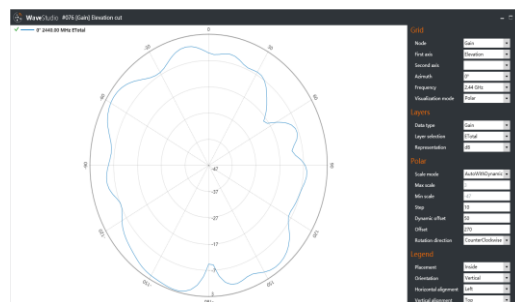
2440mhz



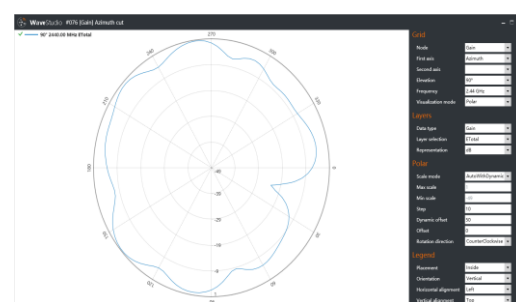
2440mhz



YOZ



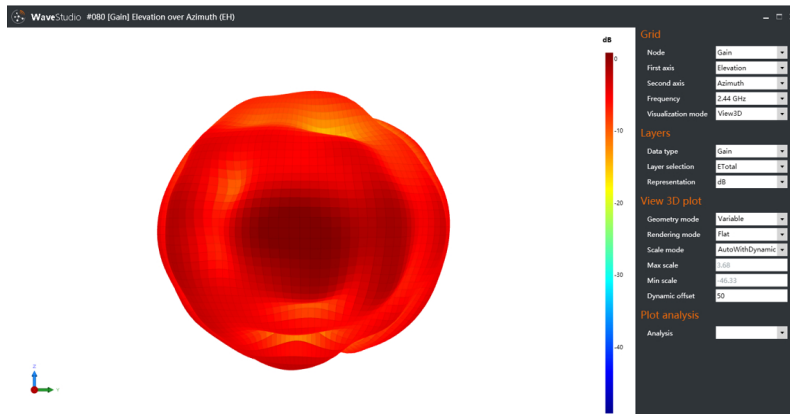
XOZ



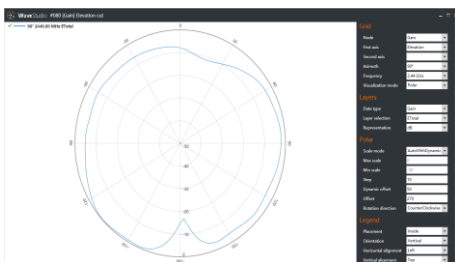
XOY

Wireless TX 天线

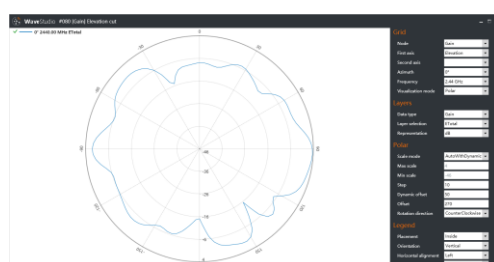
2440mhz



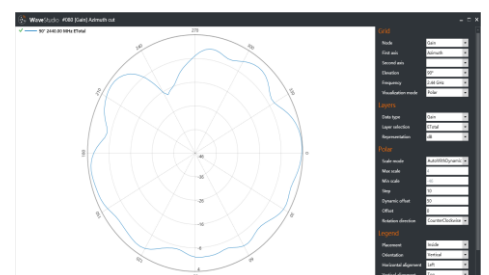
2440mhz



YOZ



XOZ



XOY