

测试报告

Test report

客户名称(customer)：中龙通(CDTECH)

项目名称(Project name)：J6720DN

开发案号(Development project number)：

版本号(Version number)：V1.0

天线类型 (Antenna type)：PCB antenna

频段(Frequency band)：Wi-Fi dual

频段范围 (Frequency band range)：2400-2500/5150-5850MHZ

结构工程师：

射频工程师：

审核人：

制表日期：20230515

修订日期	修 订 内 容	修订者	原版本

一、说明

这份报告总结了 J6720DN 项目 WI-FI 天线的电气性能结果，包括天线的 Efficiency , gain。

1、 Description

This report summarizes the electrical performance results of the J6720DN project WI-FI antenna, including the Efficiency,gain of the antenna.

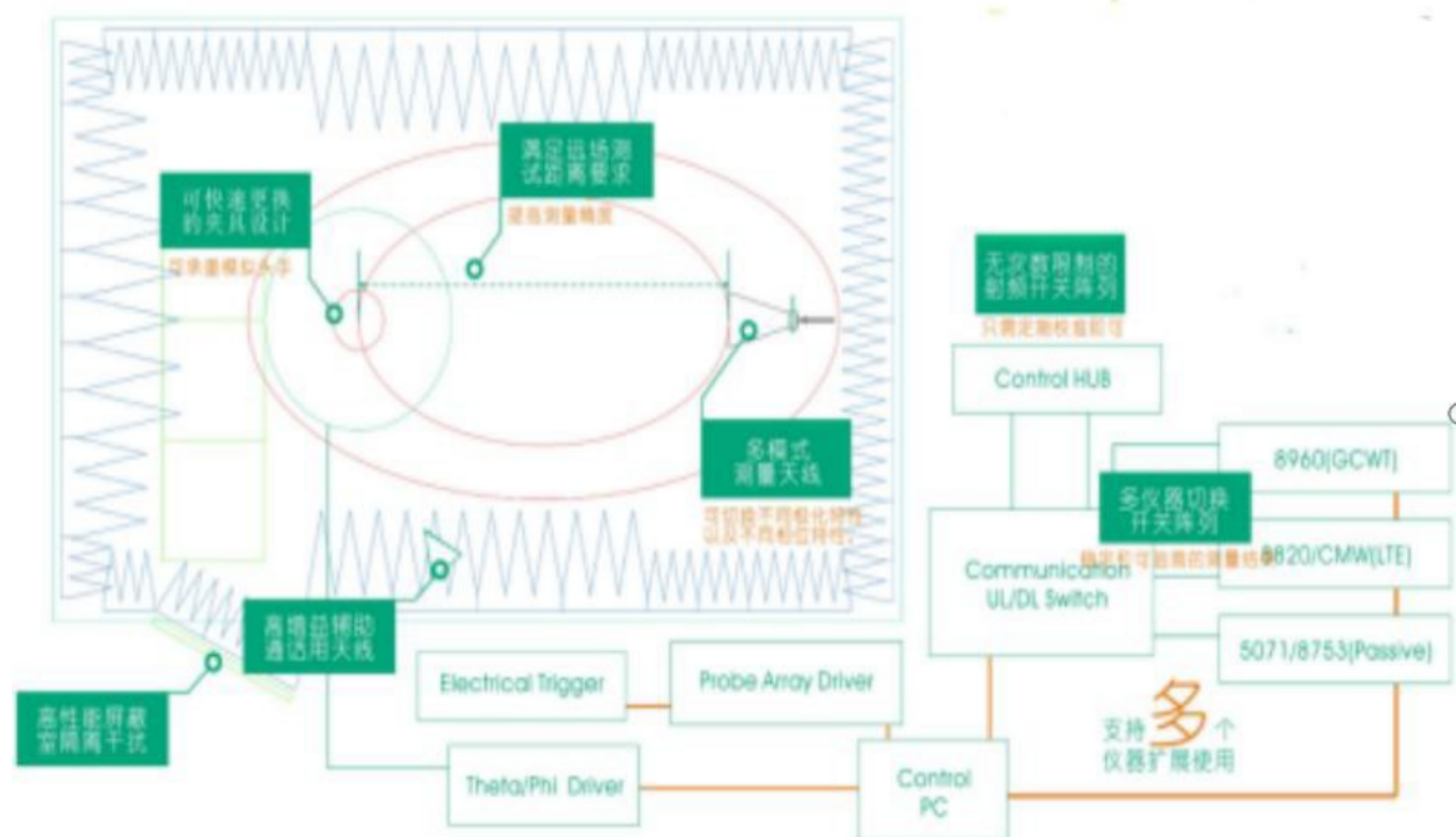
二、天线整机安装示意图

2、 Schematic diagram of antenna installation



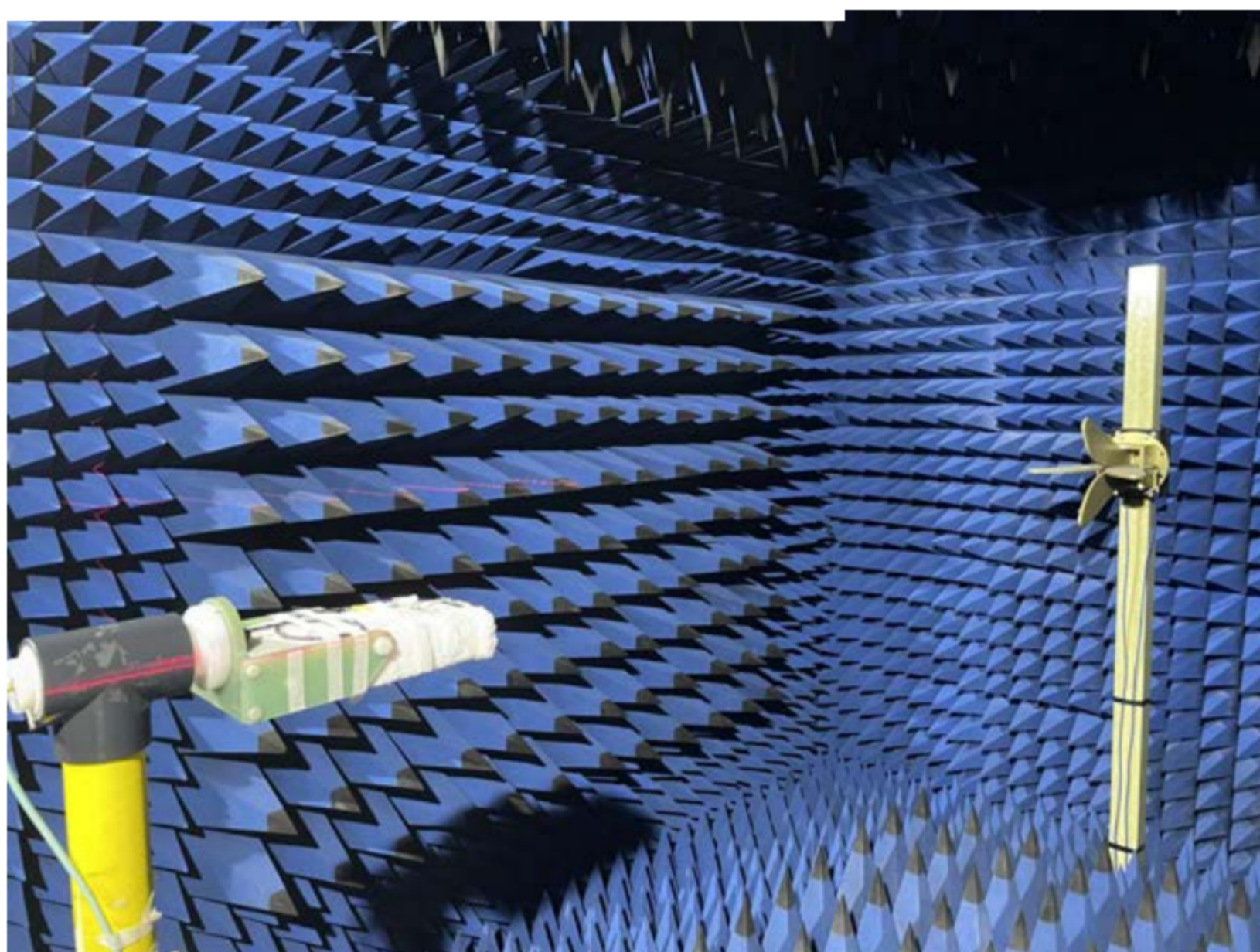
三、微波暗室的测试原理图

3、Test schematic diagram of microwave anechoic chamber



天线测试暗室摆放位置：

Antenna test darkroom location:



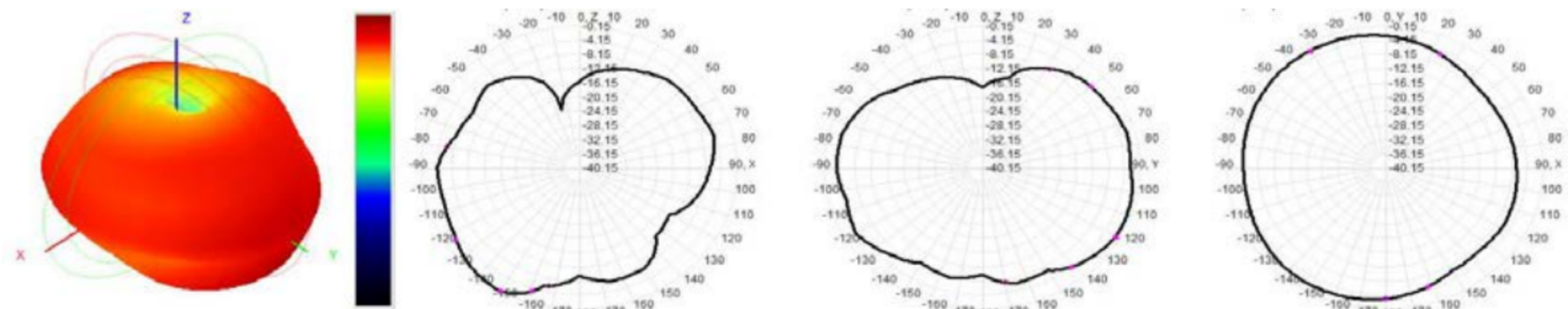
☐ 天线暗室测试数据 (Antenna anechoic chamber test data)

☐ 暗室测试数据 (Darkroom test data)

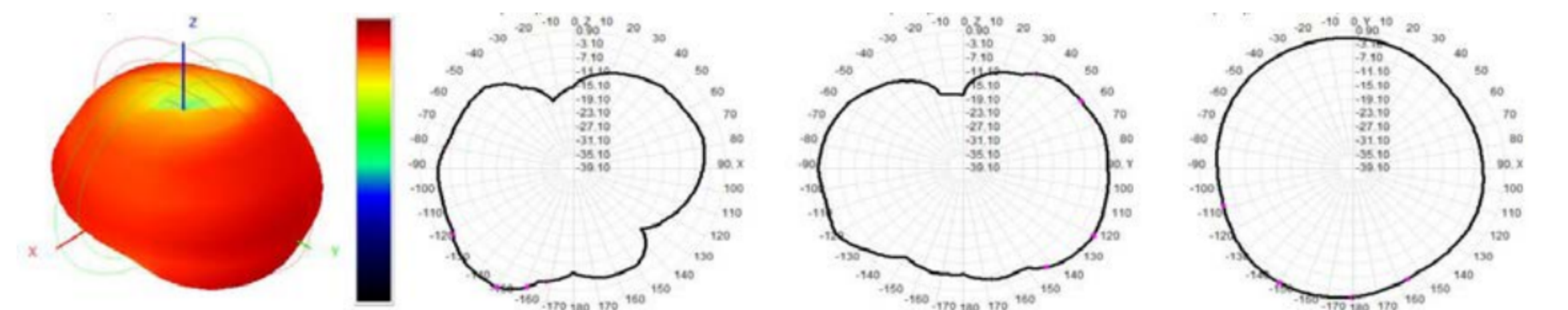
Frequency (MHz)	Gain(dBi)	Efficiency(%)
2400.0	0.56	35.93
2410.0	0.59	36.05
2420.0	0.51	35.77
2430.0	0.65	36.92
2440.0	0.80	39.65
2450.0	0.90	43.09
2460.0	1.03	45.39
2470.0	1.09	48.04
2480.0	1.31	50.65
2490.0	1.57	53.97
2500.0	1.63	54.78
5150.0	0.50	40.63
5200.0	1.27	41.89
5250.0	1.10	43.43
5300.0	0.34	38.60
5350.0	0.64	41.15
5400.0	1.32	43.90
5450.0	0.85	43.56
5500.0	1.30	47.43
5550.0	0.88	45.77
5600.0	1.25	47.91
5650.0	1.34	52.41
5700.0	1.40	50.23
5750.0	1.93	57.06
5800.0	2.14	57.73
5850.0	2.08	50.46

☐ 天线方向图 (Antenna pattern)

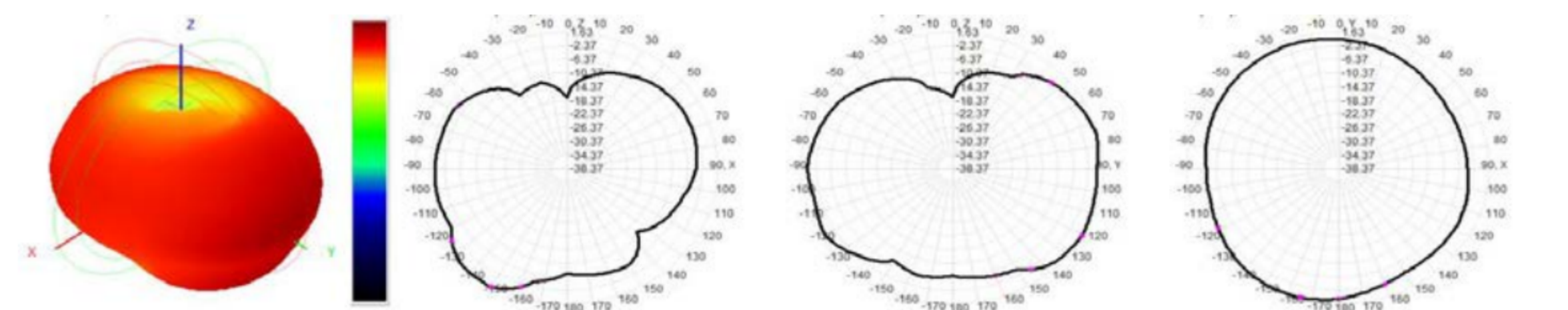
2400M 3D-E1-E2-H



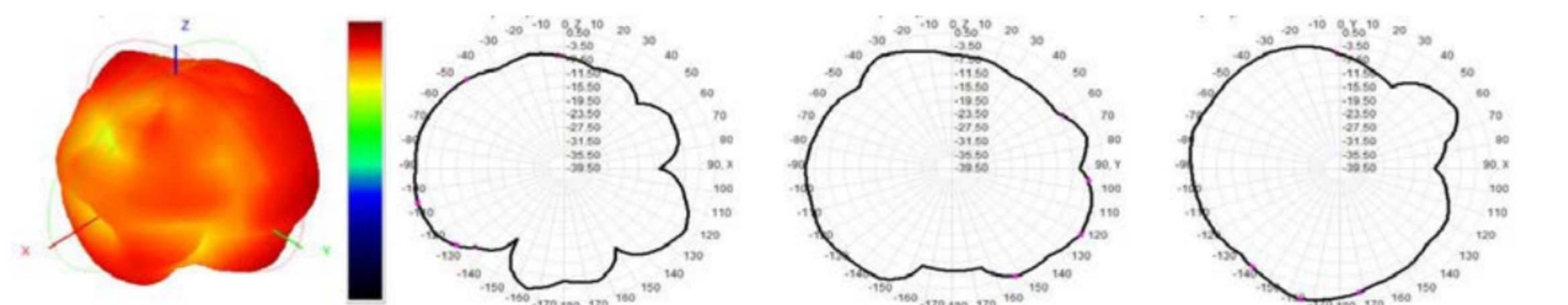
2450M 3D-E1-E2-H



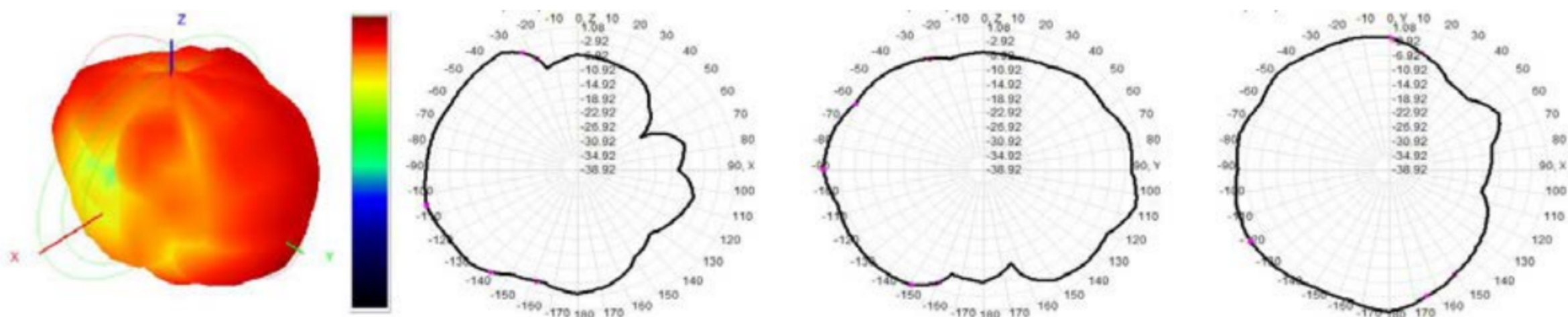
2500M 3D-E1-E2-H



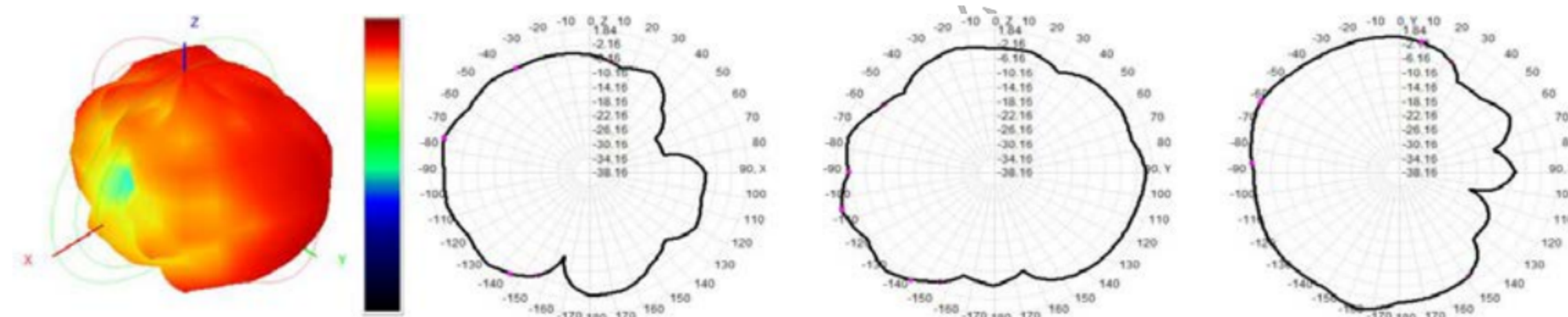
5150M 3D-E1-E2-H



5500M 3D-E1-E2-H



5850M 3D-E1-E2-H



四、天线尺寸图

4、Antenna dimension

