



深圳市中科无线技术有限公司

Shenzhen zhongke wireless technology Co.Ltd 电话: 0755-33118958

网址: www.zkant.com

测试报告

客户名称 Customer Name: 宇通联发科技

项目名称 Project Name: SMC9010

规格描述 Product Spec: 铜管+一代端子

版 本 REV: V1.0

日 期 Date: 2024/4/22

制 作 drawing	审 核 check	批 准 approved
温勇鹏	高红	蒋振华





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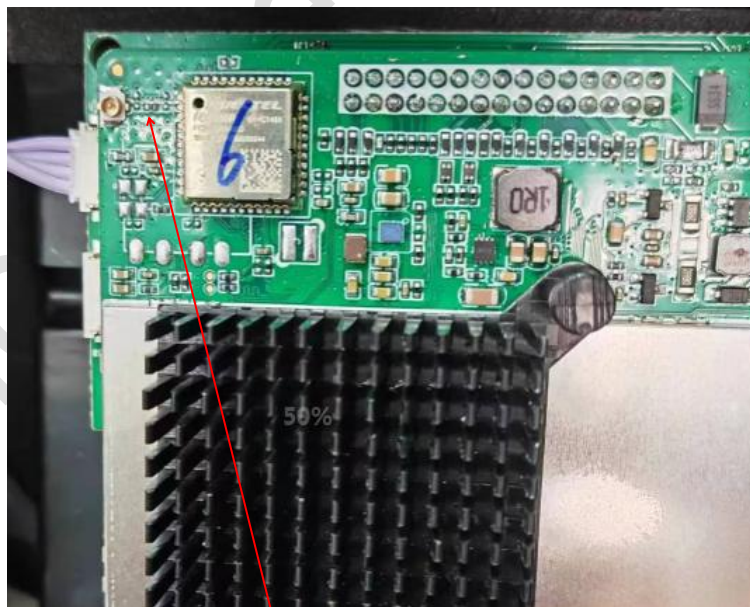
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1. 项目图 Project Chart



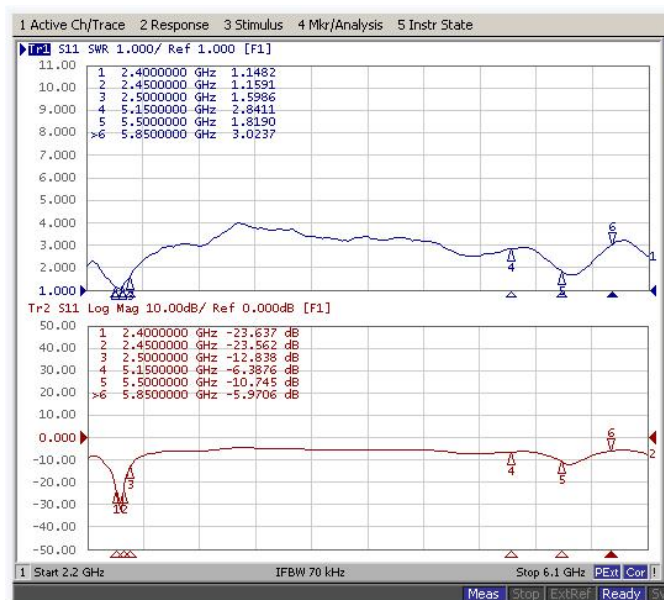
SMC9010

2. 天线匹配 Antenna Matching



天线匹配不改动

3. 电性能指标 Electrical Performance Index



VSWR

一. 增效率益图:

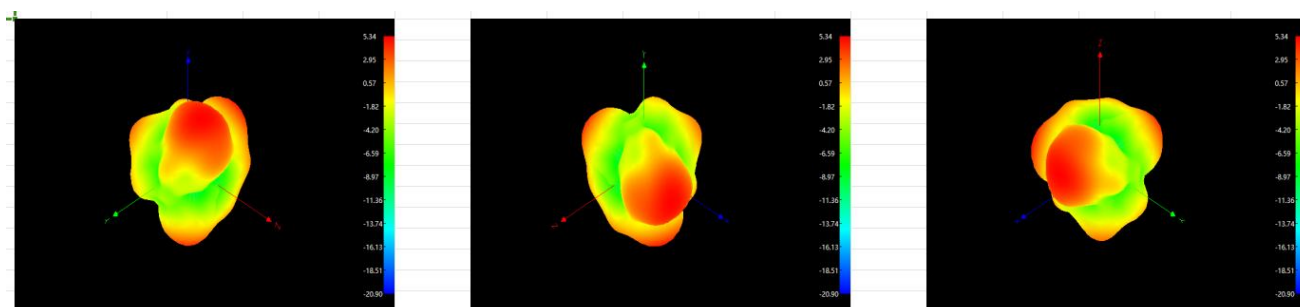
Frequency	Efficiency	Efficiency
2400	-1.31	73.96
2410	-1.44	71.78
2420	-1.29	74.3
2430	-1.44	71.78
2440	-1.33	73.62
2450	-1.4	72.44
2460	-1.36	73.11
2470	-1.29	74.3
2480	-1.54	70.15
2490	-1.34	73.45
2500	-1.76	66.68
5150	-3.32	46.56
5200	-3.12	48.75
5250	-3.45	45.19
5300	-3.65	43.15
5350	-3.66	43.05
5400	-3.71	42.56
5450	-3.79	41.78
5500	-3.72	42.46
5550	-3.21	47.75
5600	-3.02	49.89
5650	-3.18	48.08
5700	-3.35	46.24
5750	-3.53	44.36
5800	-3.64	43.25
5850	-3.64	43.25

效率

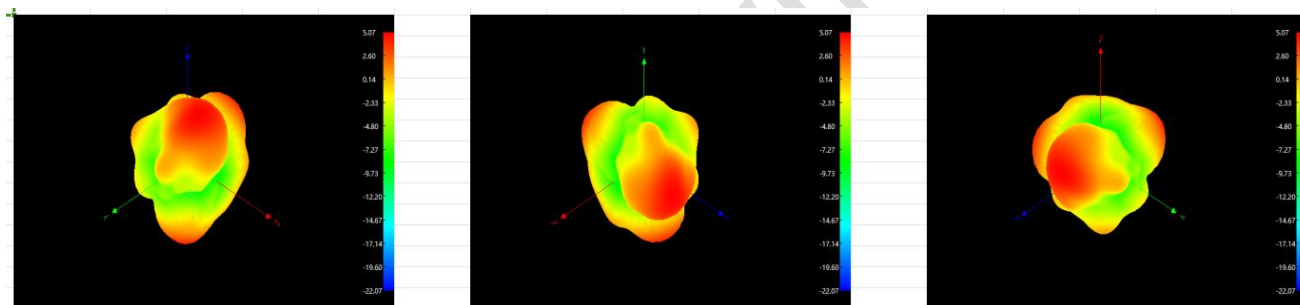
Frequency	MaxGain/d	AvgGain/d
2400	5.34	-1.31
2410	5.32	-1.44
2420	5.5	-1.29
2430	5.37	-1.44
2440	5.09	-1.33
2450	5.07	-1.4
2460	5.35	-1.36
2470	5.45	-1.29
2480	5.29	-1.54
2490	5.34	-1.34
2500	5.07	-1.76
5150	3.17	-3.32
5200	2.91	-3.12
5250	2.59	-3.45
5300	2.37	-3.65
5350	2.52	-3.66
5400	2.86	-3.71
5450	2.1	-3.79
5500	1.94	-3.72
5550	2.78	-3.21
5600	3.18	-3.02
5650	2.78	-3.18
5700	3.39	-3.35
5750	3.23	-3.53
5800	2.74	-3.64
5850	2.62	-3.64

增益

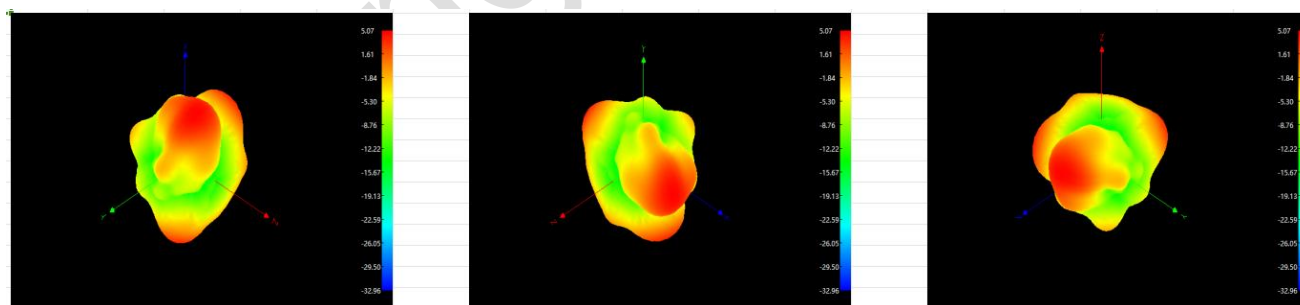
二. 苹果图方向图:



2400MHZ



2450MHZ



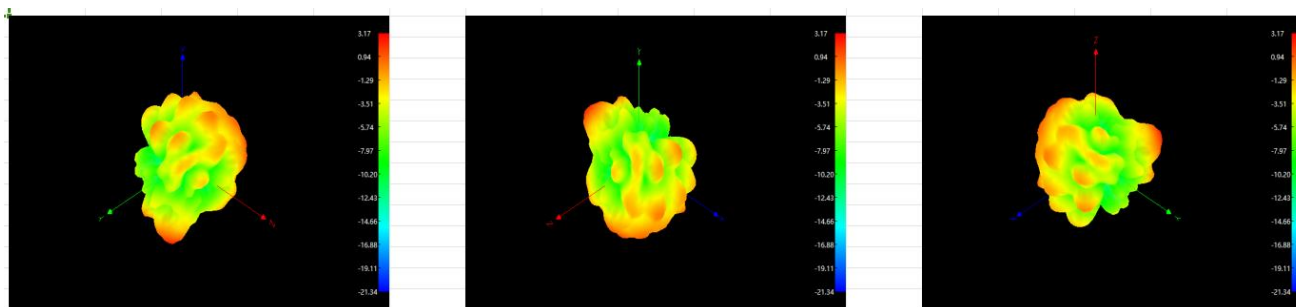
2500MHZ



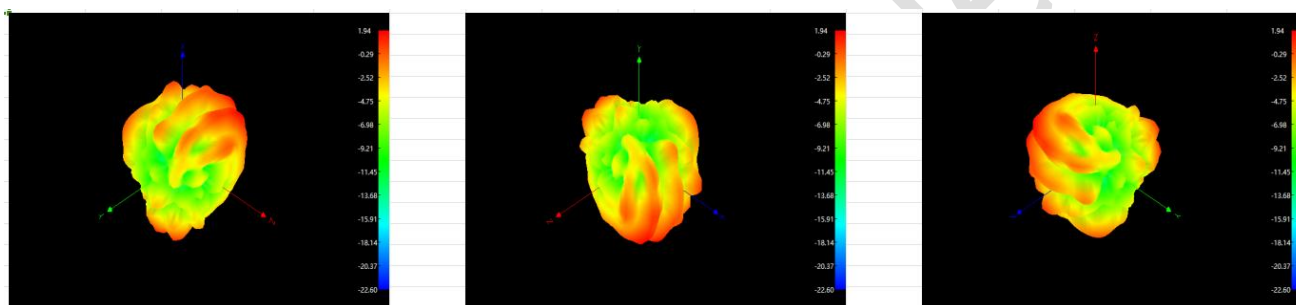
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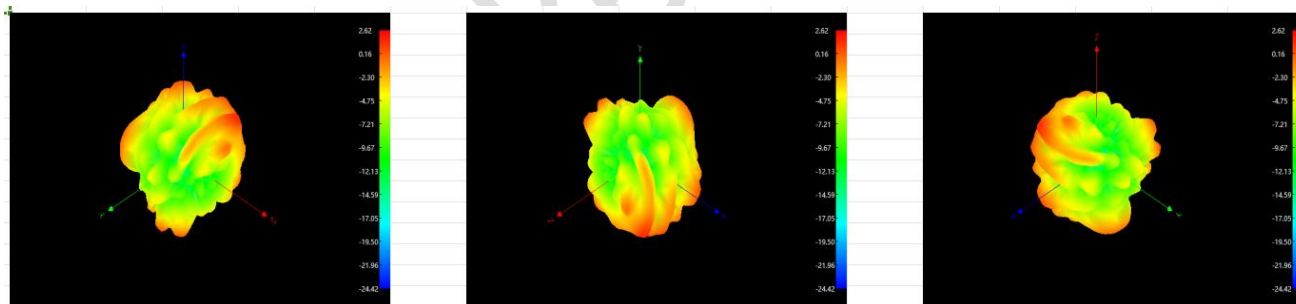
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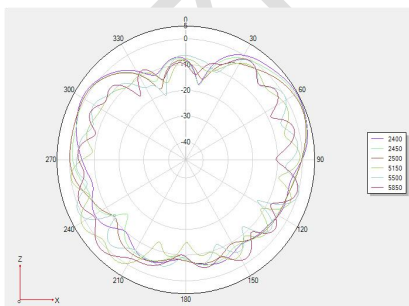
5150MHZ



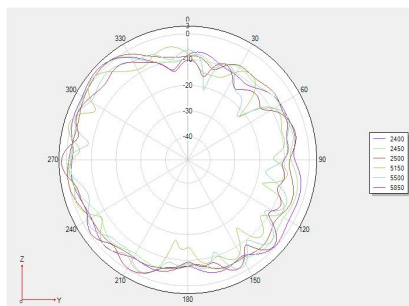
5500MHZ



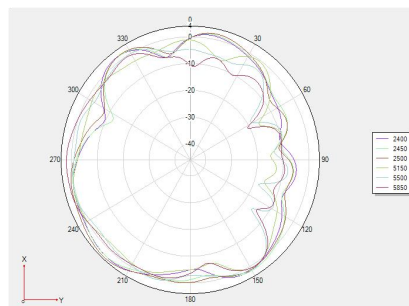
5850MHZ



Z-X



Z-Y



X-Y



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三. 有源测试数据:

Active Test_WIFI_B					
Channel	Frequency	MAX	TRP(11bPS)	MIN	TIS(11MbPS)
1	2412		17.7		-77.0
6	2437		17.7		-76.2
11	2462		17.3		-78.7
Active Test_WIFI_A					
Channel	Frequency	MAX	TRP(54bPS)	MIN	TIS(54MbPS)
36	5180		15.7		-70.1
64	5320		15.5		-73.5
165	5825		16.9		-70.0

4. 测试设备及原理 Testing Equipment and Principle

1. 测试设备:

网络分析仪 Network Analyzers :

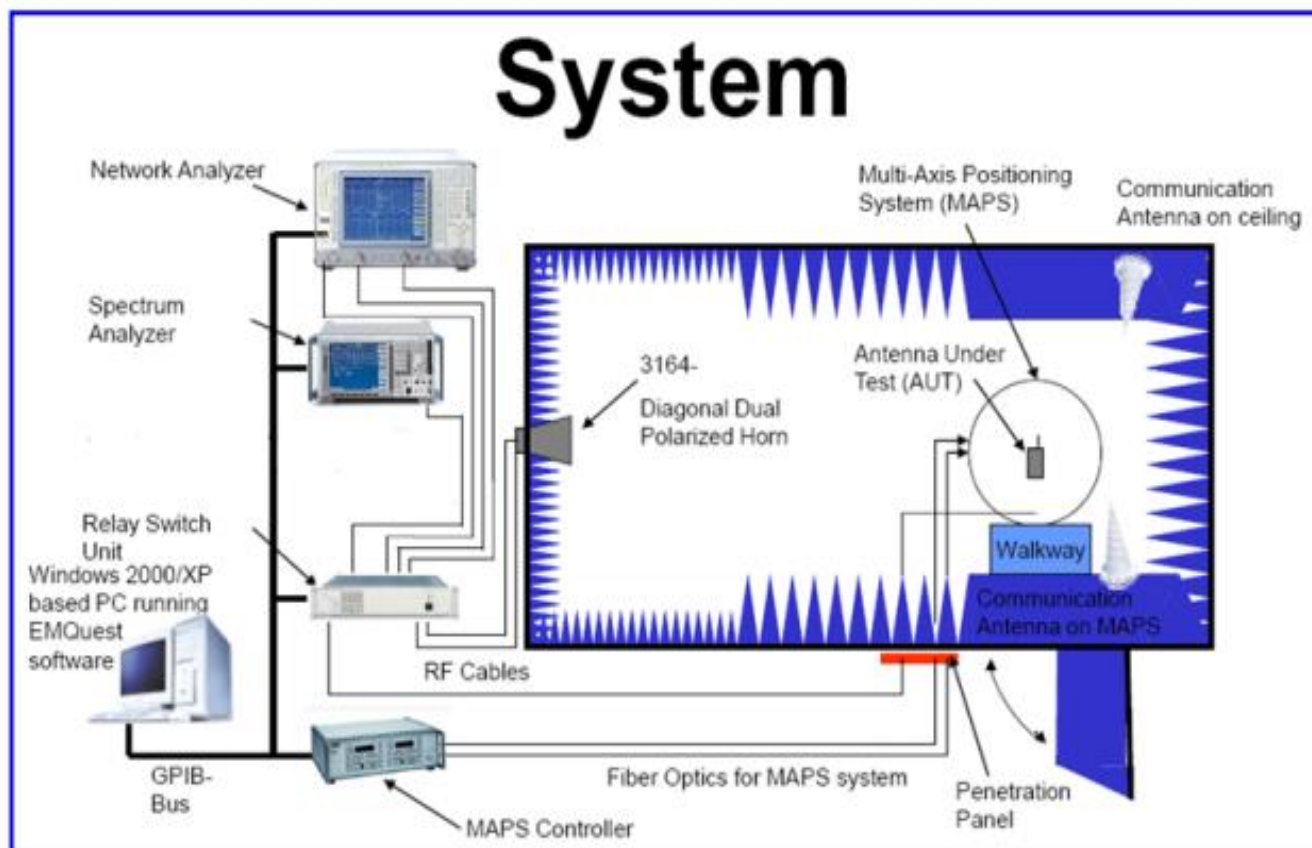
Agilent 8753D 5071B

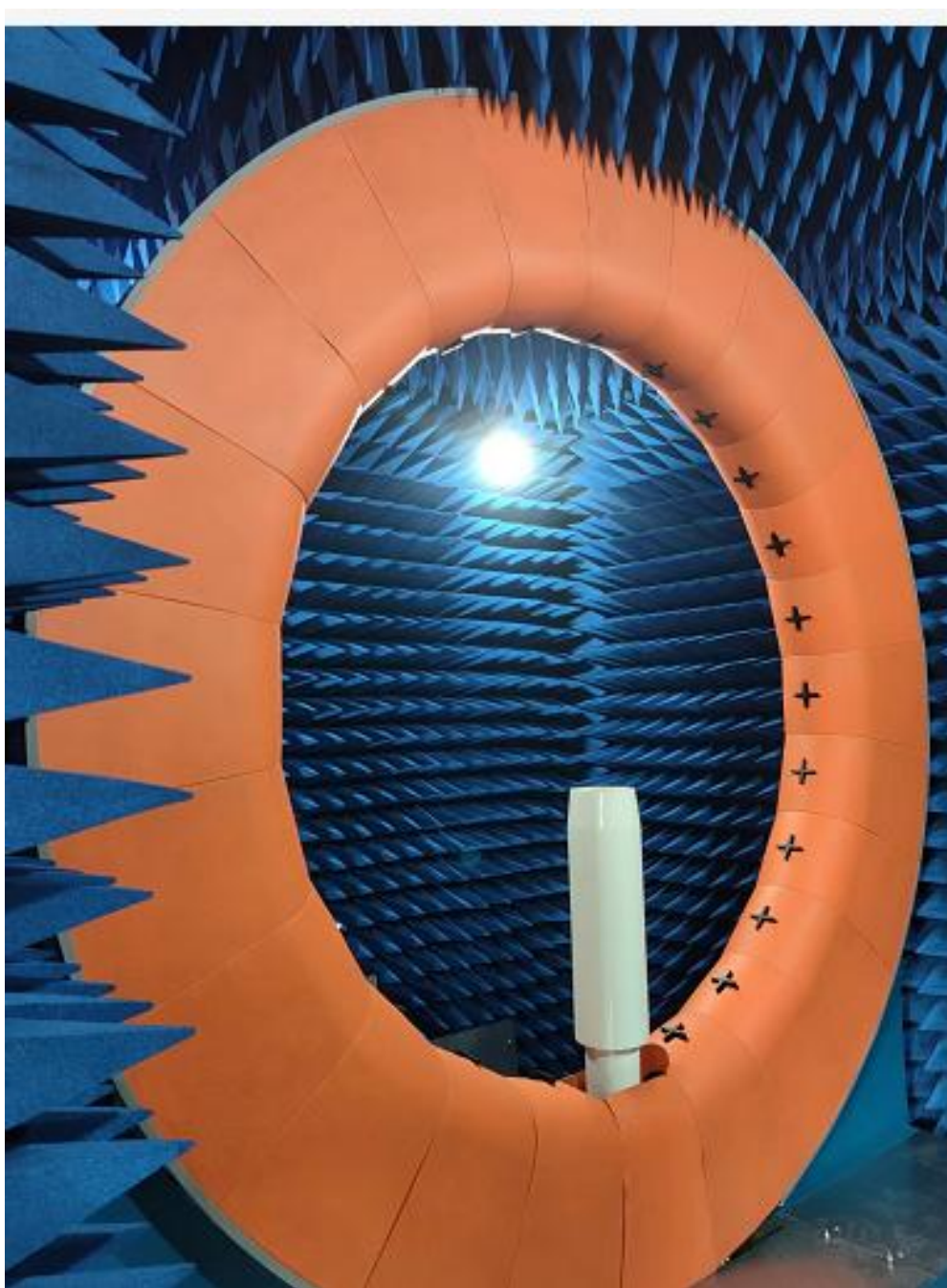
综合测试仪 Communications Test Set:

Agilent E5515C CMW500

3D 暗室测试系统 3D Chamber Test System:

2. 测试原理:





24 探头微波暗室测试设备

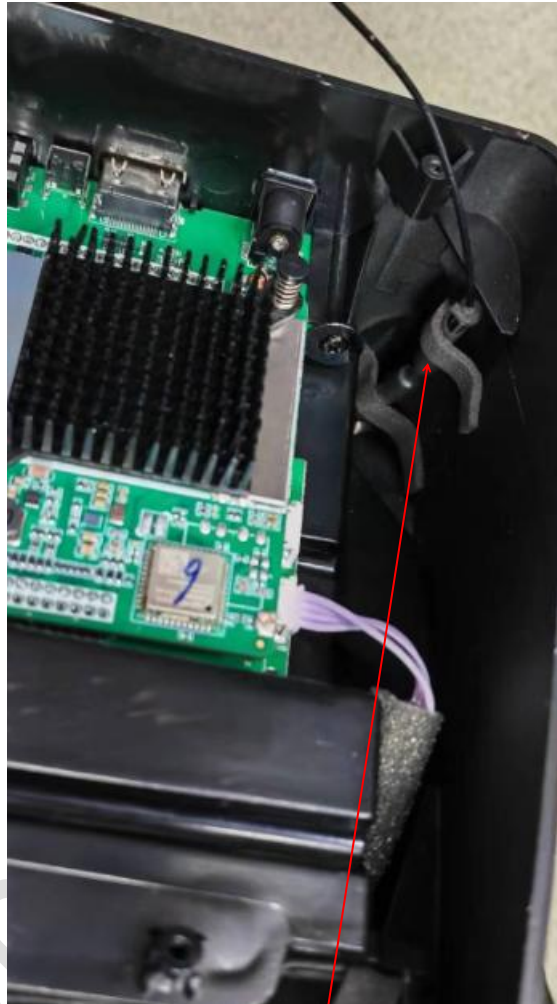


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5. 环境处理 Envionmentltreatment



按图安装天线