

开发案号(case number): Y2024012201

日期(Date): 2024.01.22

版本(Version): A1

客户名称(Customer Name): SJXY

调试项目(project): _____

客户料号(Customer part number): _____

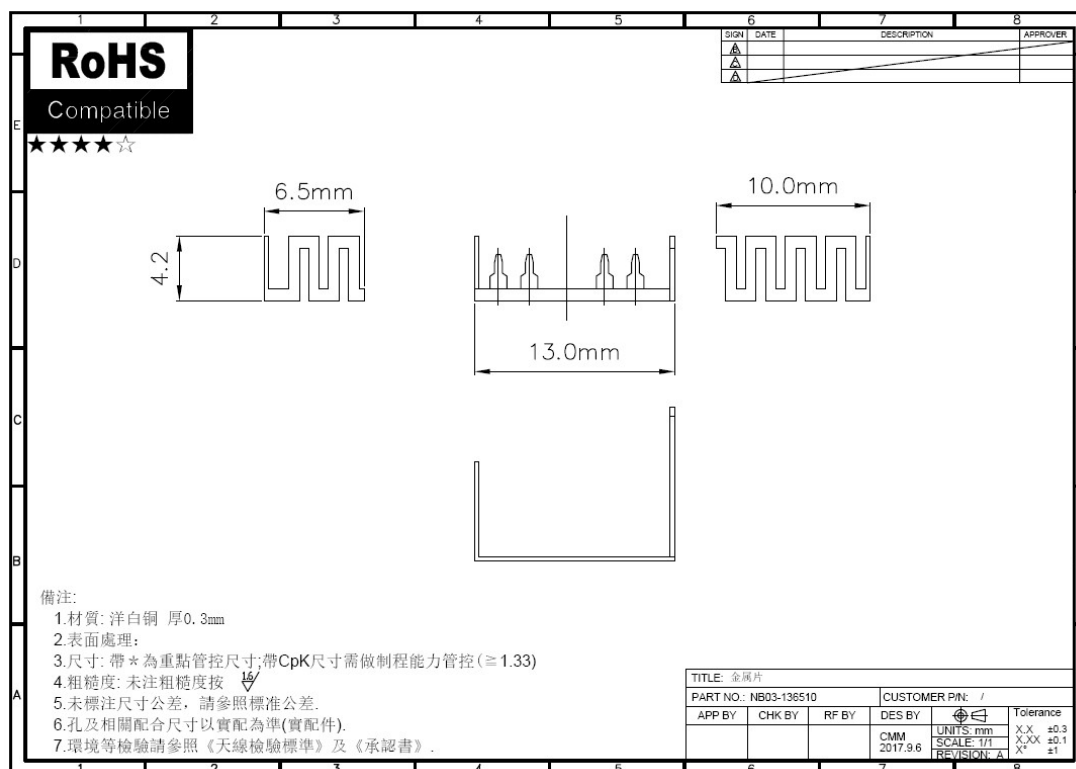
料号(Part number): NB03-136510

规格描述(Specification): 2.4G/5.8G-0.3mm

Built in antenna -2.4G/5.8G-0.3mm thick - white copper

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3、产品图面(Product drawings)



4、性能参数(Performance parameter table)

电气参数(Electrical parameters)	
频率范围 (Frequency range)	2400~5800MHz
输入阻抗 (Impedance)	50 Ω
驻波比(SWR)	<2.0
增益 (Gain)	2.4G $\leq$ 1.5dBi 5.8G $\leq$ 2.0dBi

功率容量 (Power Capacity)	<10w
极化方式 (Polarization mode)	线极化(linear polarization)
辐射方向 (Radiation direction)	全向(Omnidirectional)
接头型号 (Connection method)	插脚(DIP)
机械参数(mechanical parameters)	
线长(Line length)	
端子维持力 (Connector strength)	
同轴电缆 (coaxial cable)	
盐雾测试 (Salt spray test)	24H
环境参数(Environmental parameters)	
工作温度 (operation temperature)	-30℃~65℃

5、电气性能测试报告(整机)

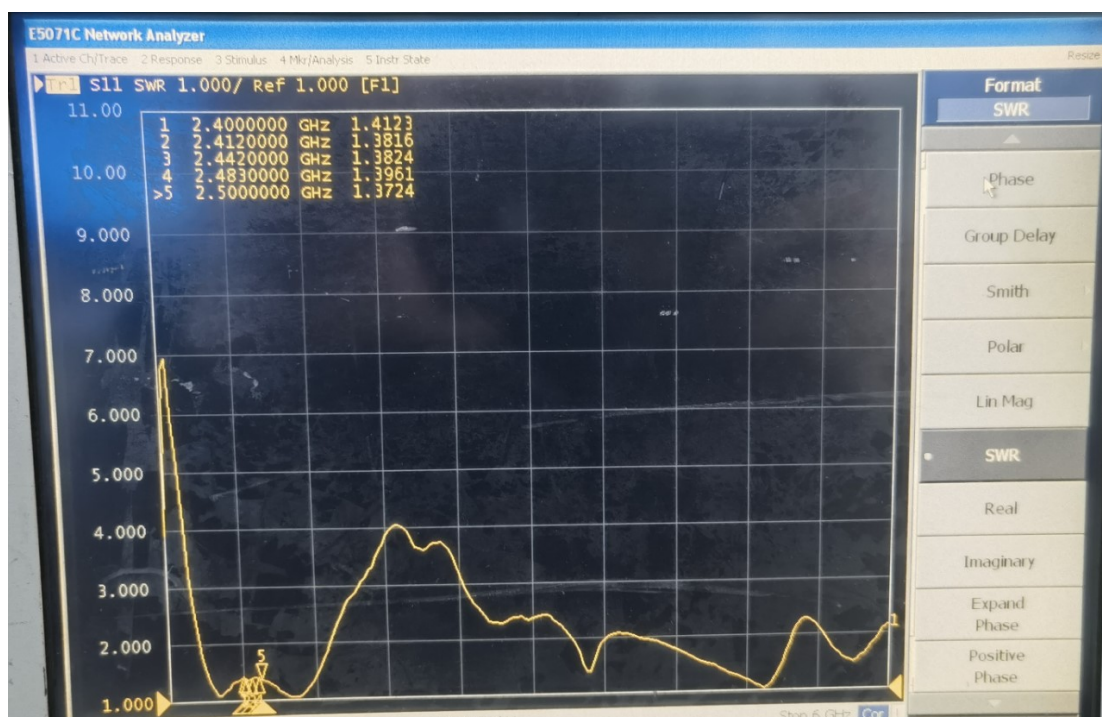
(Electrical performance test report (complete machine))

➤ 天线暗室测试数据 (Antenna darkroom test data)

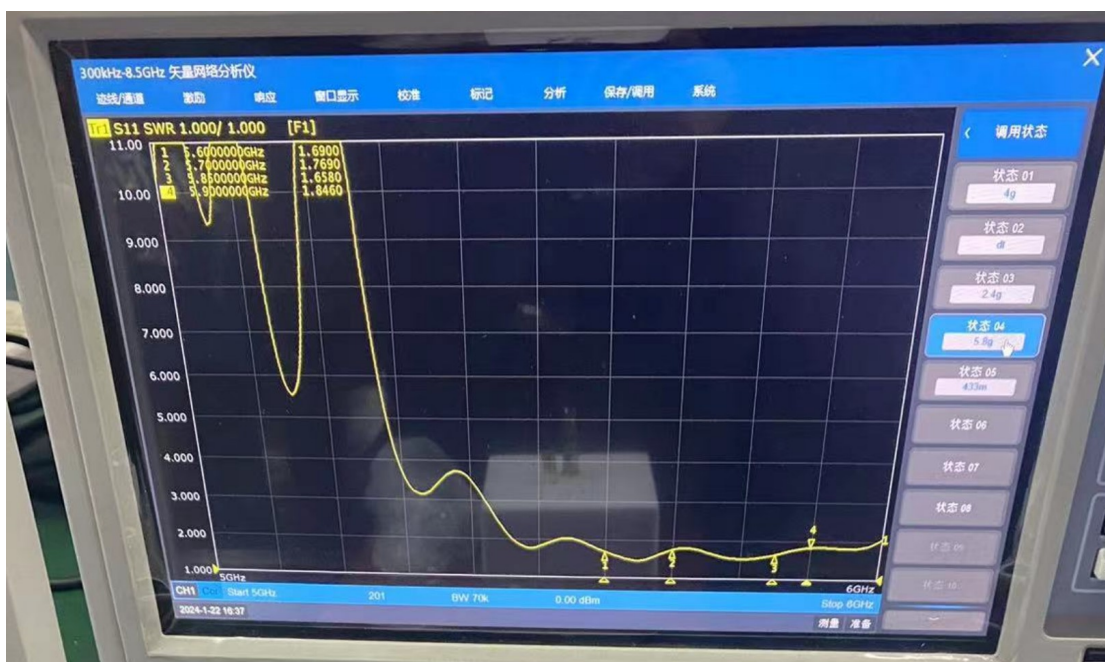
Freq (MHz)	Gain (dBi)	Efficiency (%)	Freq (MHz)	Gain (dBi)	Efficiency (%)
2400	0.75	48.2	5150	1.46	46.24
2410	0.93	48.01	5200	1.96	49.21
2420	0.85	41.23	5250	1.05	53.42
2430	1.02	55.5	5300	1.39	46.3
2440	0.71	47.22	5350	1.32	51.61
2450	0.58	59.02	5400	1.3	54.23
2460	0.93	60.89	5450	1.12	51.78
2470	1.04	47.1	5600	1.93	55.73
2480	0.8	53.57	5700	1.75	57.63
2490	1.26	49.52	5800	1.14	53.25
2500	1.47	58.13	5850	1.25	51.71

➤ Antenna VSWR/S11

2.4G SWR/S11

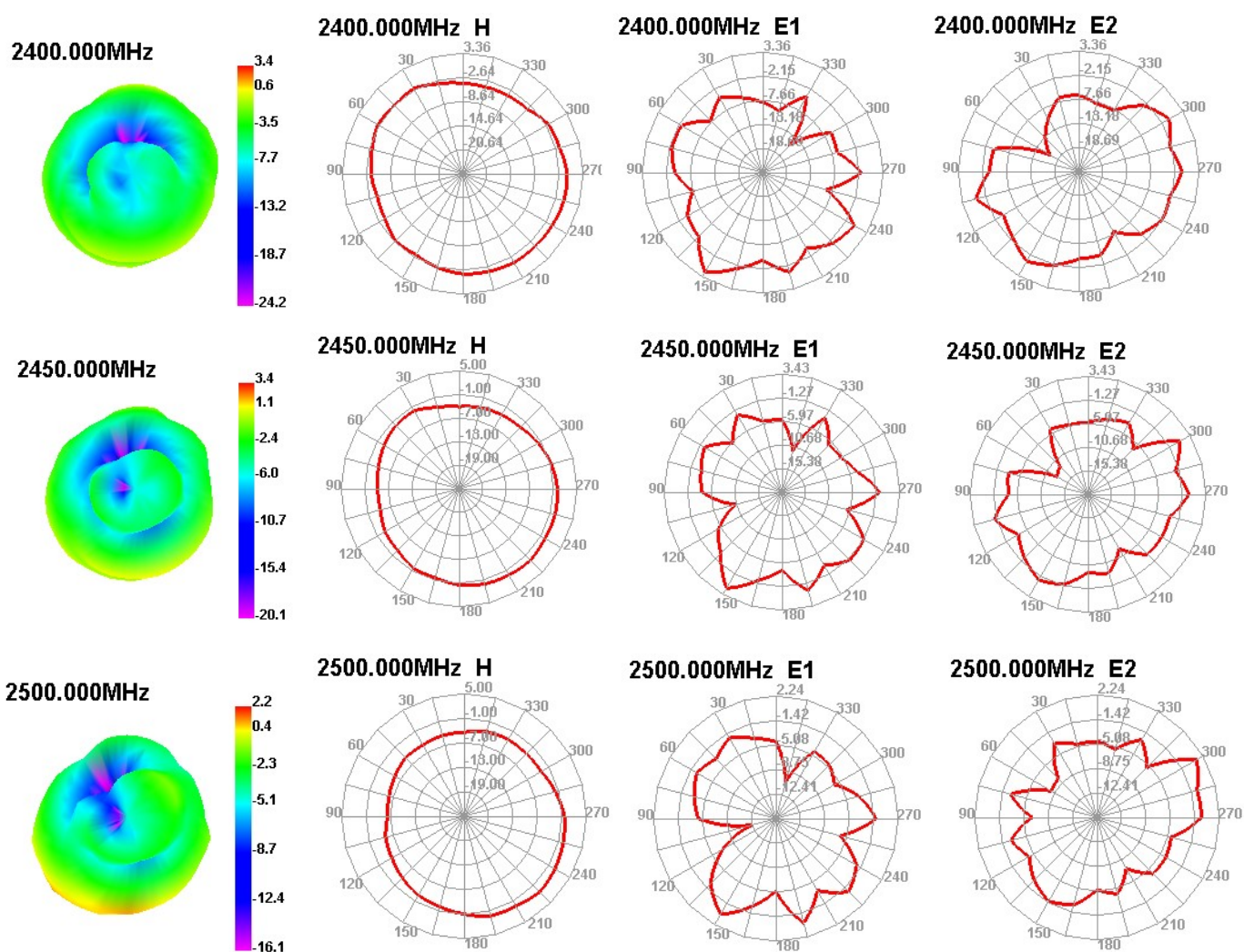


5.8G SWR/S11

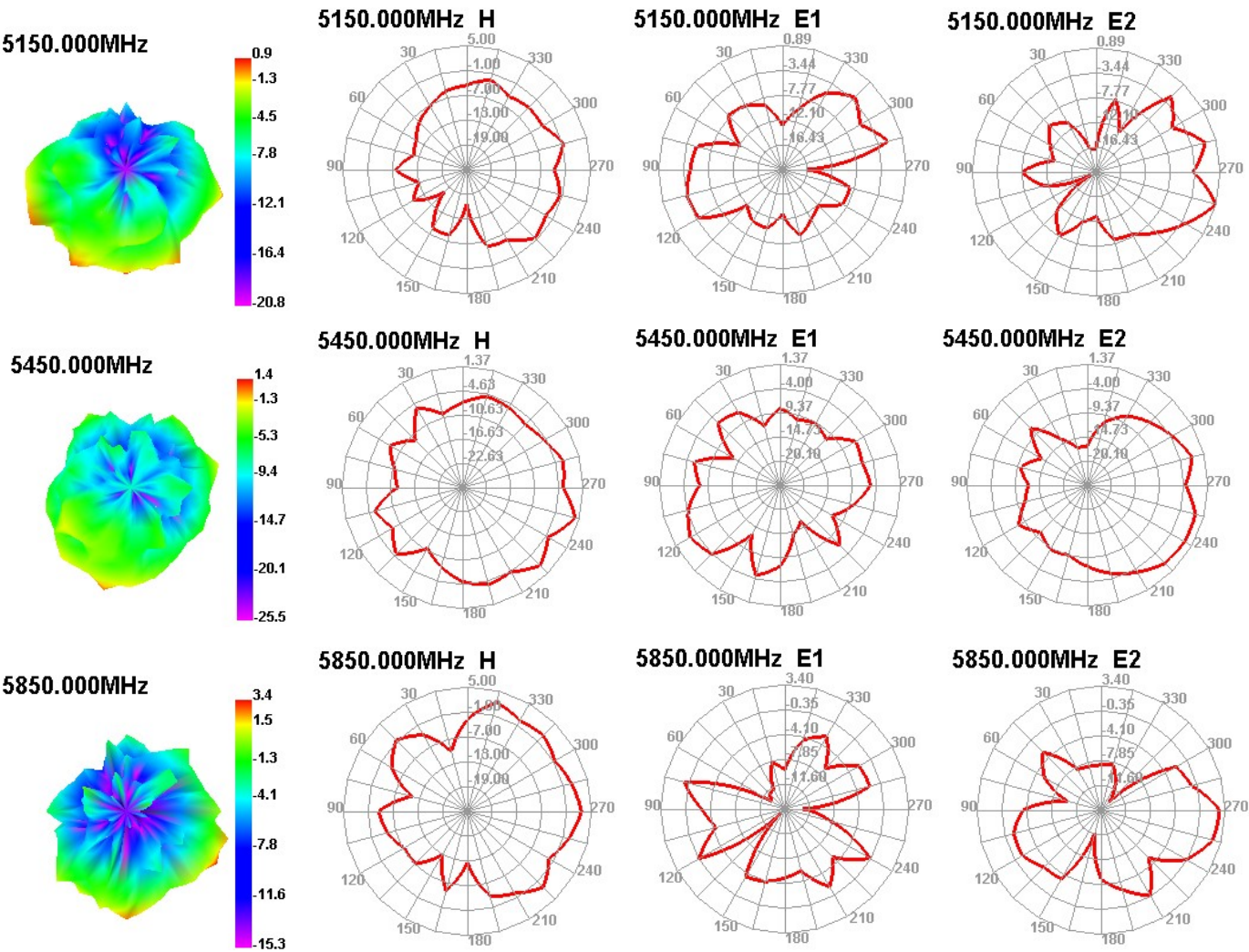


➤ 天线方向图 (Antenna pattern)

2.4G



5.8G



6、材料成分及有害物质表

(List of Material Composition and Hazardous Substances)

项次 item	规格 spec	材质 material	RoHS 检验结果 (Rohs Inspection results) (PPM)						ICP 检测编号 ICP Detection number	检测时间 Detection time
			Cd	Pb	Hg	Cr+6	PBB	PBDE		
1	铁件 Iron	洋白铜 Brass	ND	ND	ND	ND	ND	ND	NGBMR23000169901	2023/2/6