

承認書

APPROVAL

品名规格
DESCRIPTION:

料号
PART NO.:

客户料号
CUS PART NO.:

日期
DATE: 2024. 3. 30

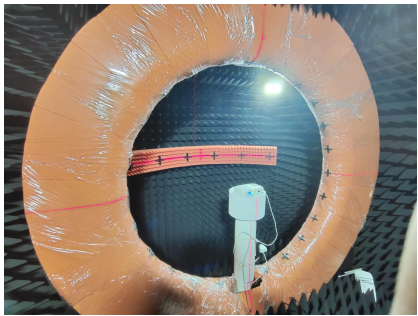
工程 ENGINEERING DEPARTMENT	品保 Q C DEPARTMENT	业务 SALES DEPARTMENT

客户承认签章

工程 ENGINEERING DEPARTMENT	品保 Q C DEPARTMENT	采购 PURCHASING DEPARTMENT

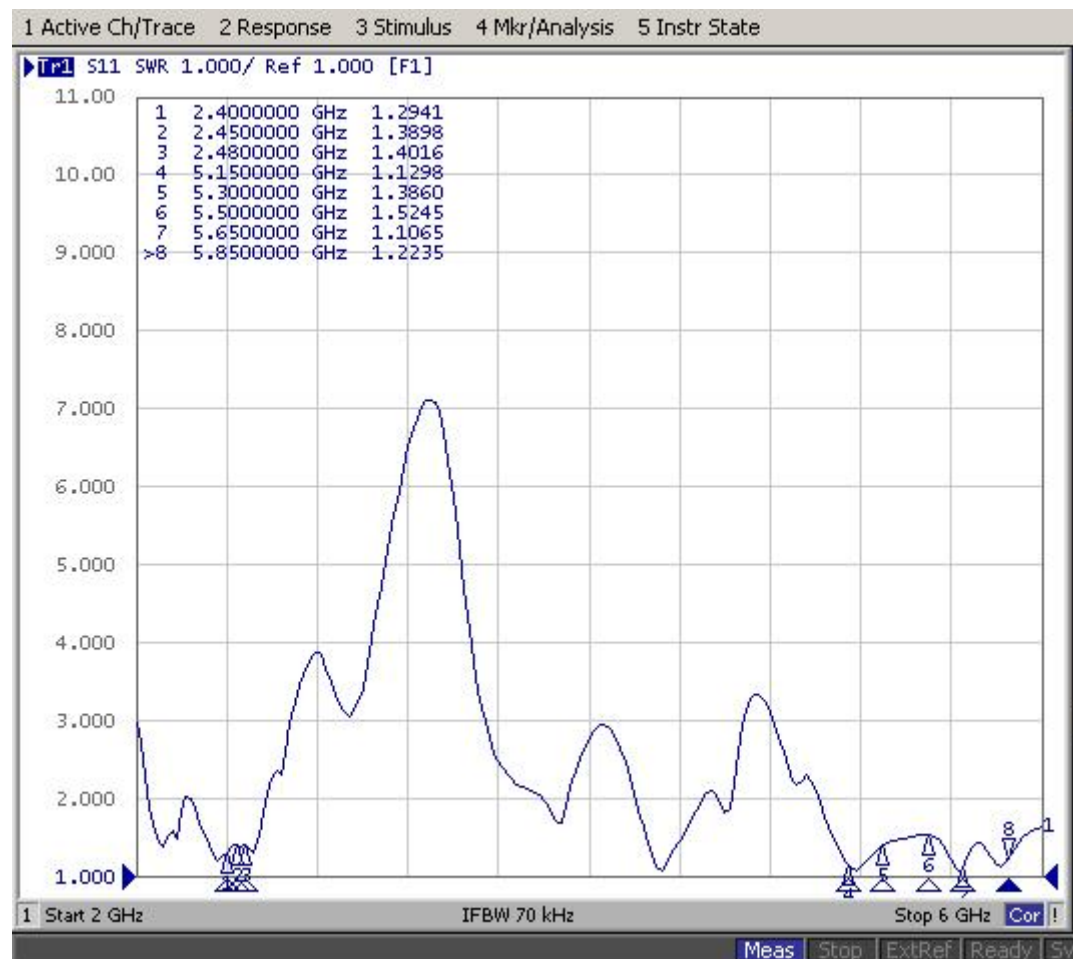
1.Test items and equipment

	测试项目	设备
1. S11 参数 (S-parameter)	1. 回波损耗 (Return Loss) 2. 电压驻波比 (VSWR)	网络分析仪: Agilent E5071B HP 8753D
2. 有源测试 (Active)	1. 发射功率 (TRP) 2. 接收灵敏度 (TIS)	1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 综合测试仪: Agilent 8960 E5515B ×2 StarPoint SP6011 Cmw500
3.无源测试 (Passive)	1.天线增益 (Gain) 2.天线效率 (Efficiency)	1. 暗室: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 网络分析仪: Agilent E5071B HP 8753D



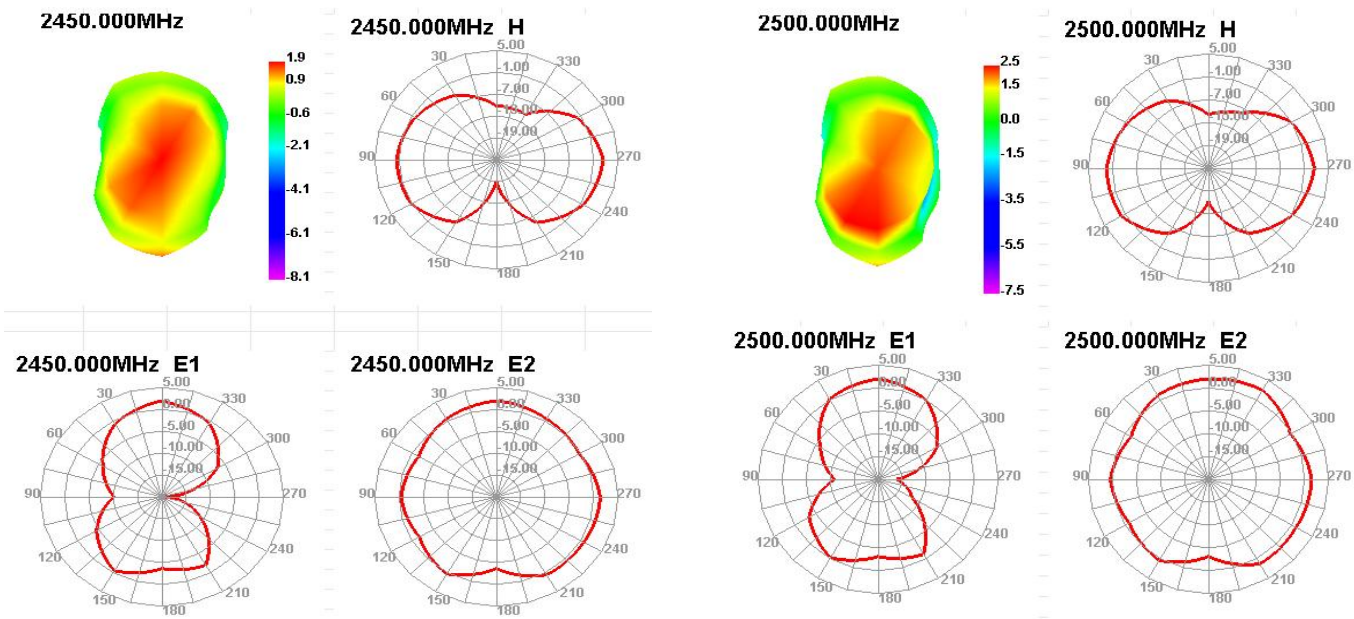
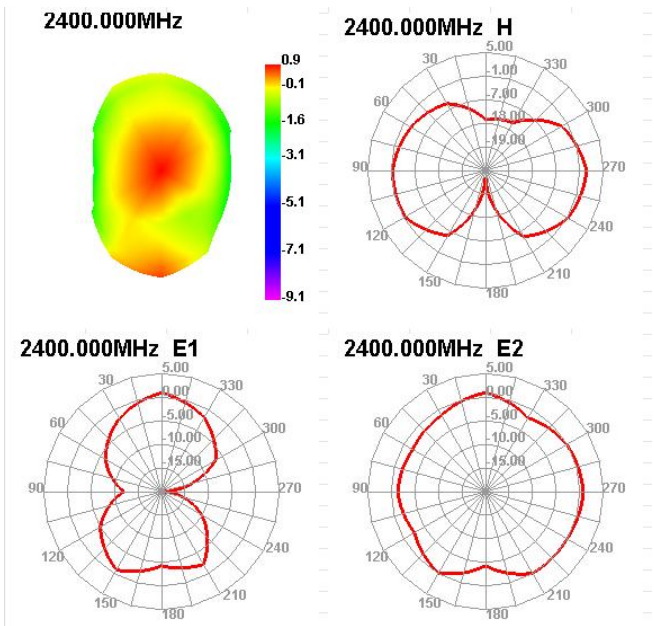
2. Antenna performance

SWR



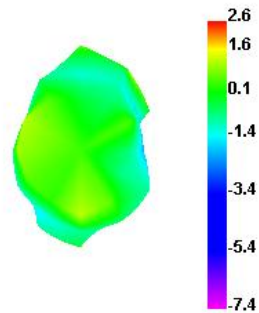
3. Antenna efficiency and gain

Freq (MHz)	Effi (%)	Gain (dBi)
2400	52.79	0.91
2410	53.94	0.96
2420	52.11	0.9
2430	53.01	0.99
2440	57.67	1.43
2450	63.29	1.92
2460	62.3	1.88
2470	65.18	2
2480	68.5	2.1
2490	73.41	2.55
2500	71.9	2.51

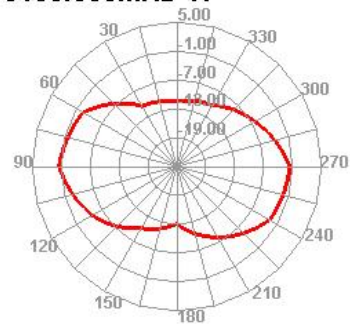


Freq (MHz)	Effi (%)	Gain (dBi)
5150	55.49	2.56
5200	52.58	2.08
5250	50.52	1.53
5300	53.88	2.34
5350	59.16	3.2
5400	65.7	3.46
5450	57.36	2.96
5500	55.25	2.87
5550	51.22	2.4
5600	44.64	1.57
5650	44.98	1.34
5700	49.18	2.02
5750	60.24	3.43
5800	61.27	3.38
5850	53.19	2.78

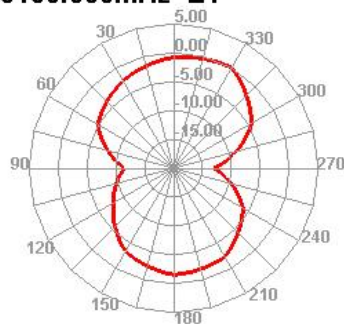
5150.000MHz



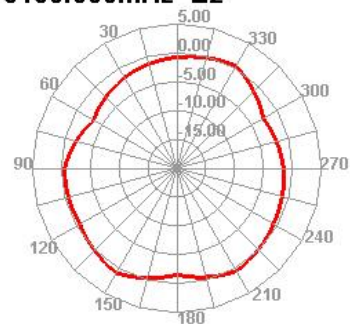
5150.000MHz H



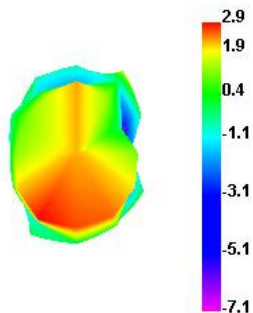
5150.000MHz E1



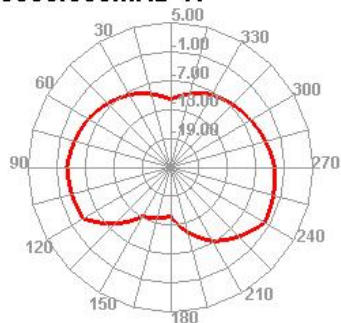
5150.000MHz E2



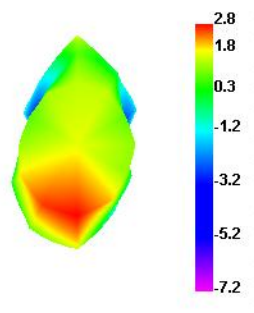
5500.000MHz



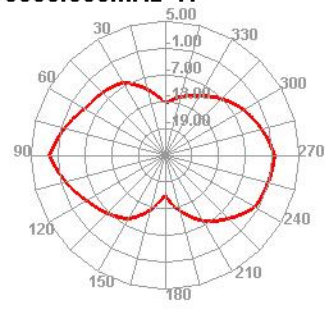
5500.000MHz H



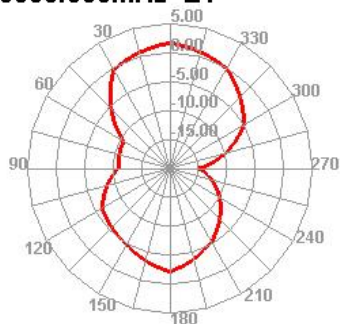
5850.000MHz



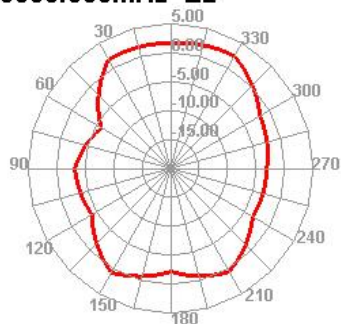
5850.000MHz H



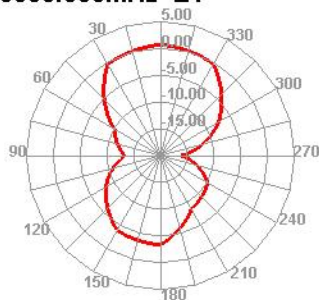
5500.000MHz E1



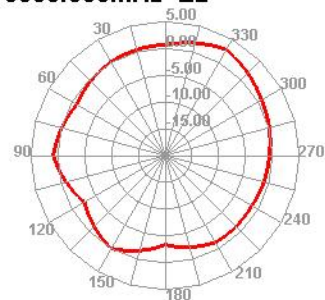
5500.000MHz E2



5850.000MHz E1



5850.000MHz E2



4. Antenna structure diagram

