

Customer Name: SHENZHEN BOVISION TECHNOLOGY CO.,LTD.

Project Name: ZK-A70-2.4G-V1.0

Product Spec: 2.4G - L flat antenna, 123MM white flat shell, IPEX-1, RF1.37, Grey line L=270MM

料号 Customer P/N:

版本 REV: V1.0

日期 Date: 2025.01.04

制作 drawing	审核 check	
黄勇军	陈德旺	

客户承认 Customer Approve

审核 check	批准 approved	承认 approval

目录

Index

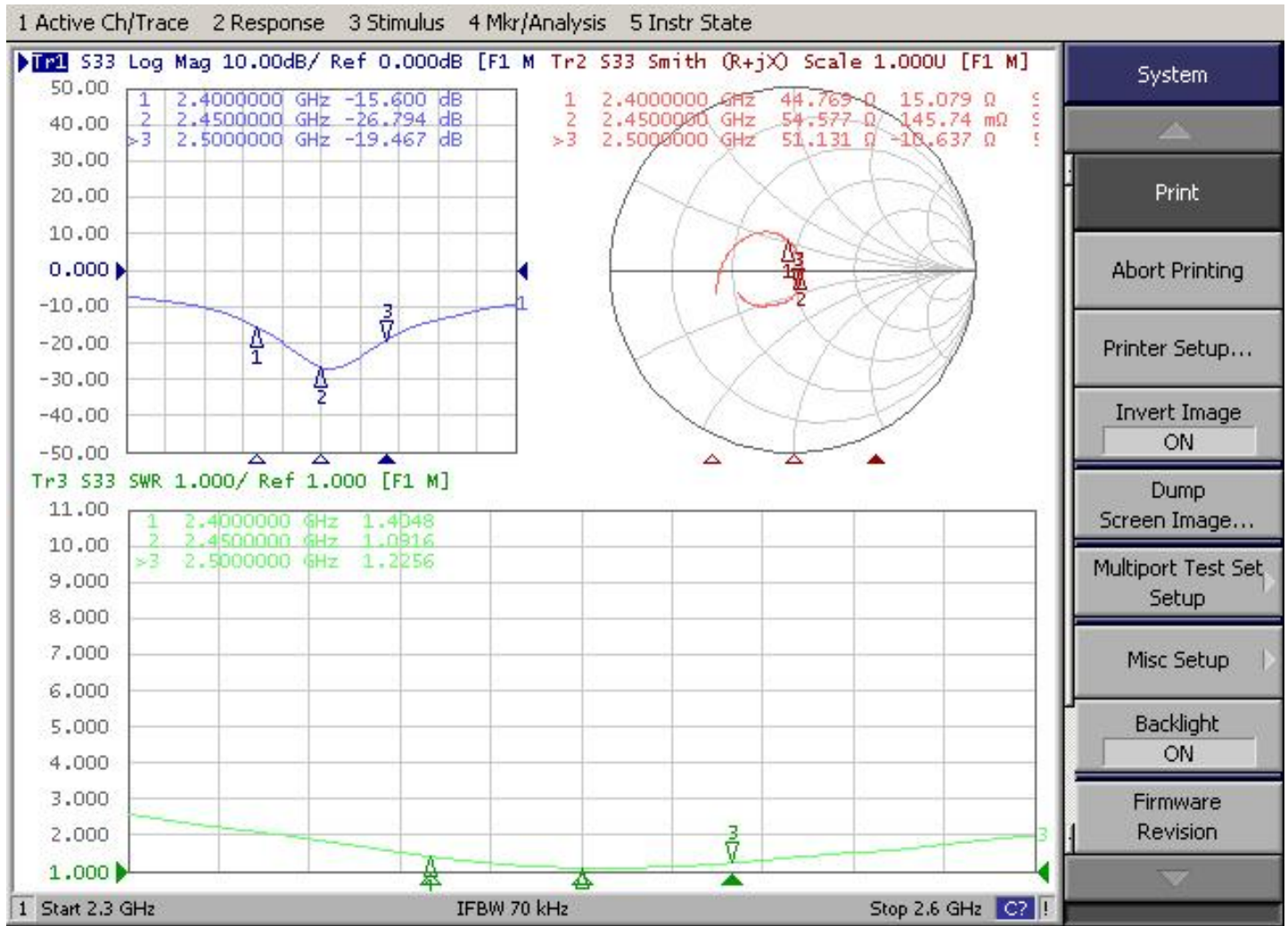
一、封面 Cover	-----1
二、目录 Index	-----3
三、电性能指标 Electrical Performance Index	-----4
四、测试报告 Test report	-----5/6
五、测试设备及原理 Testing Equipment&Principle	-----7
六、工程图纸 Product Drawing	-----8
七、可靠性测试报告 Reliability test report	-----9
八、产品包装规范 Code for product packaging	-----10

电性能指标 Electrical Performance Index

		Electrical Specifications	
		2400-2500MHZ	
		VSWR	≤2.0
		GAIN	≤3.6 DBI
		Radiation	OMNI
		Polarizatin	LINEAR
		Input Impedance	50 Ω
		Mechanical Specifications	
		Input connector	IPEX-1
		Antenna materia	PCB
		Working Temperature	-30℃~+80℃
		Working Humidity	40~85%
Physical installa tion			

Test report1.

Antenna standing wave pattern antenna efficiency



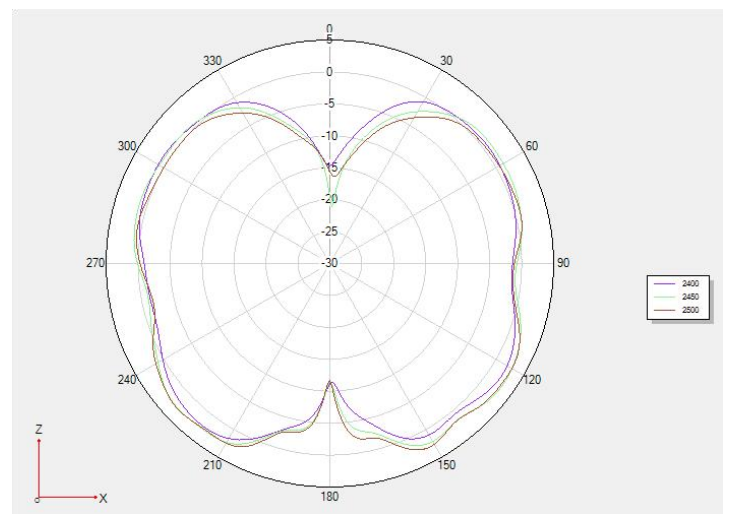
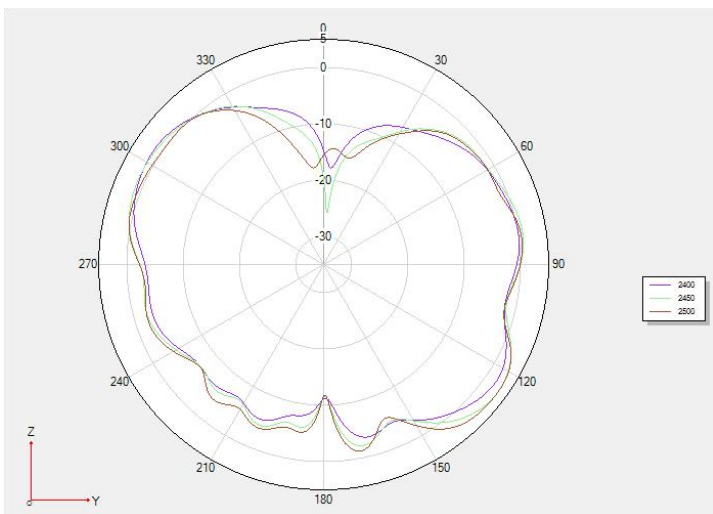
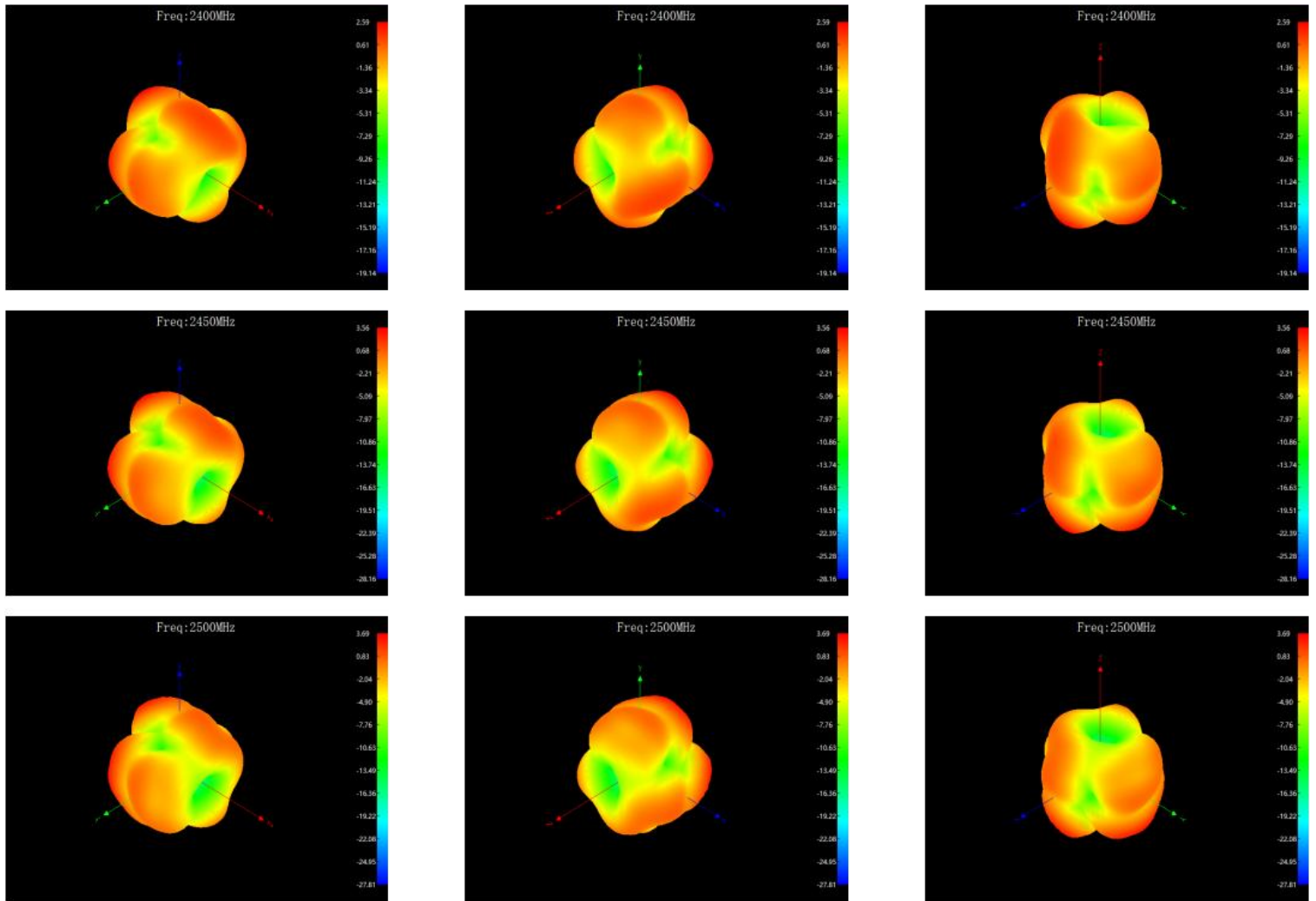
2. Antenna efficiency

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	2.59	62.95
2405	2.73	63.53
2410	2.95	65.92
2415	3.02	67.14
2420	2.99	67.45
2425	3.09	69.18
2430	3.16	70.15
2435	3.3	71.78
2440	3.45	73.62
2445	3.44	73.96
2450	3.56	75.16
2455	3.59	74.3
2460	3.62	75.68
2465	3.81	77.98
2470	3.71	75.51
2475	3.64	74.3
2480	3.63	74.82
2485	3.65	74.13
2490	3.75	74.47
2495	3.78	74.13
2500	3.69	72.44

3.Active data of antenna

Measurement	Standard	Band	Channel	Total
TRP	WIFI (AP)	WIFI_B (11M)	1	19
TRP	WIFI (AP)	WIFI_B (11M)	6	18.34
TRP	WIFI (AP)	WIFI_B (11M)	11	18.36
TIS(EIRP)	WIFI (AP)	WIFI_B (11M)	1	-89.76
TIS(EIRP)	WIFI (AP)	WIFI_B (11M)	6	-88.39
TIS(EIRP)	WIFI (AP)	WIFI_B (11M)	11	-90.32

4. Antenna pattern



Testing Equipment and Principle

1. 测试设备:

Network Analyzers :

Agilent 8753D 5071B

Communications Test Set:

Agilent E5515C

33D Chamber Test System:

2. Testing principle :

