

天线测试报告

客户 Customer	泰迅
项目名称 Project Name	运动相机
客户料号 Customer NO.	
规格 specification	2.4GHz-2.5GHz/5.15G-5.85G FPC cable
供方料号 Supplier NO.	
规格书编号 Specification NO.	
编写人 Write by	张明超
版本 REV.	Ver.1
日期 Date	2023/7/6
备注 Note	

客户确认 CUSTOMER APPROVED BY

批准 Approved by	审核 Checked by	制表 Prepared by

供方确认 SUPPLIER APPROVED BY

批准 Approved by	审核 Checked by	制表 Prepared by

版本变更记录

1. 承认书项目表 (Index)

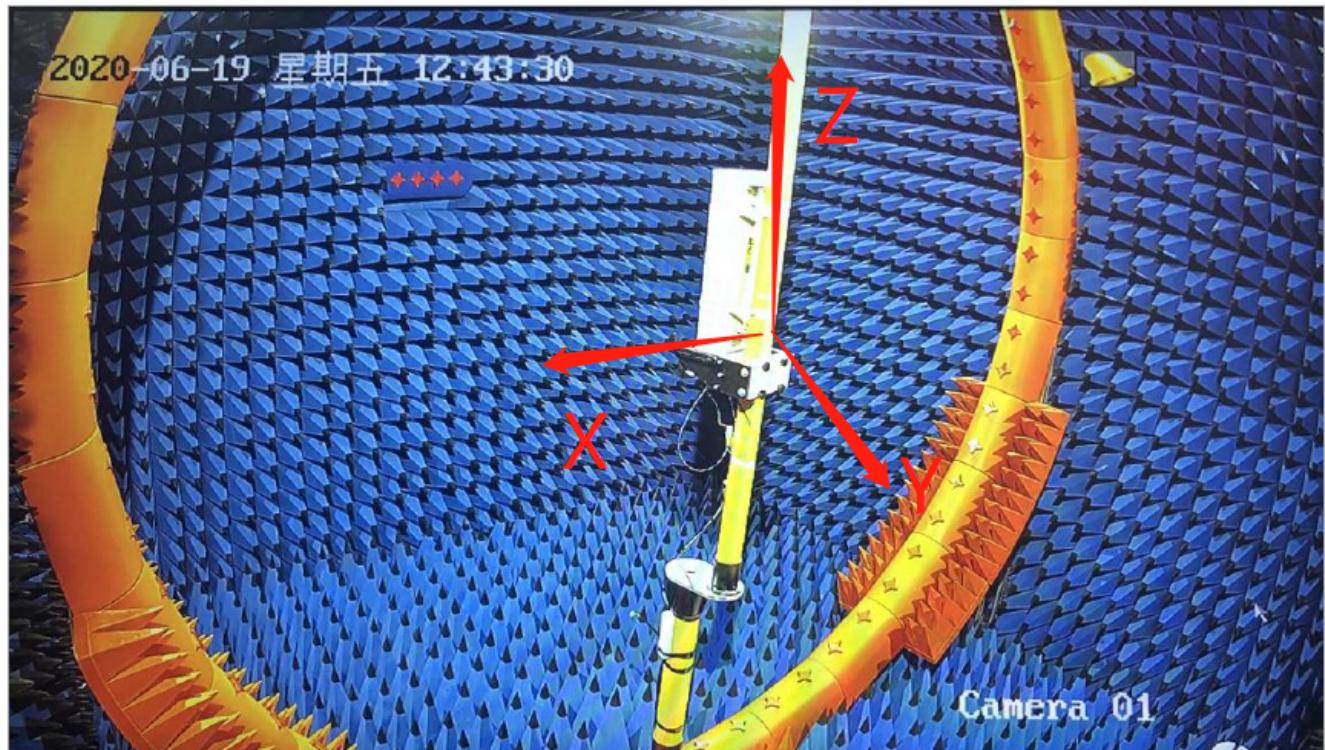
序号	内容	页码
-	承认书封面	1
-	版本变更记录	2
1	承认书项目表	3
2	试验设备和条件	4
3	样机结构说明件	5
4	S11	7
5	增益/效率/3D图	8
6	包装图	9

2. 试验设备和条件(Test Equipment & Conditions)

2.1. Network Analyzers : KEYSIGHT P5002A

2.2. Communications Test Set: R&S CMW 500

2.3. 3D Chamber Test System: 64探头测试系统



整机实物图



Product Code:

(1) Customer:

ZC:卓创

(2) Project:

T3010A: SLK-ZC-T3010A (WIFIMAIN antenna)

(3) Welding Position

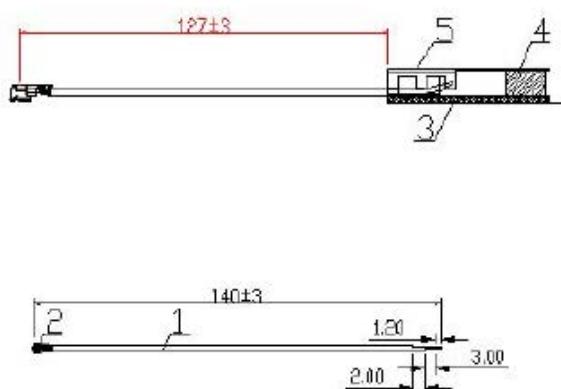
L: Left

(4) Cable Length:

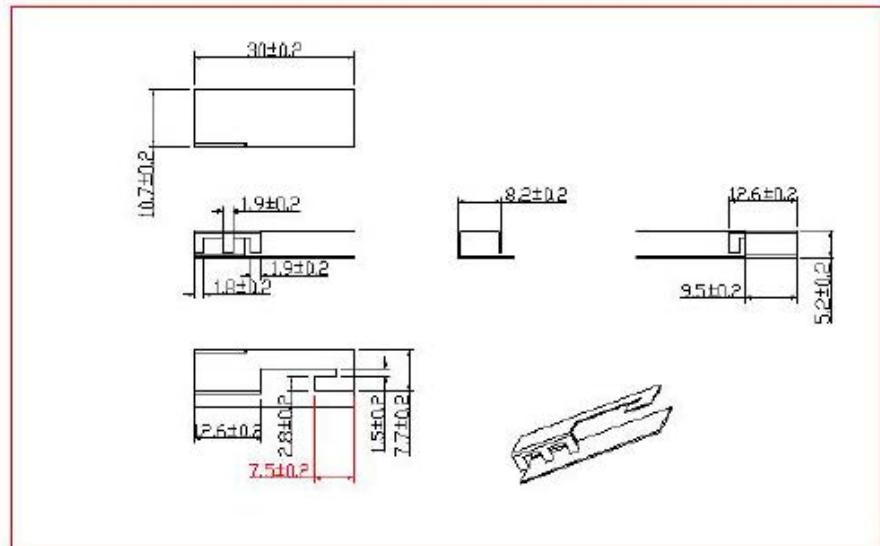
140: 140IV*1.13MM四代端子

(5) Cable Color

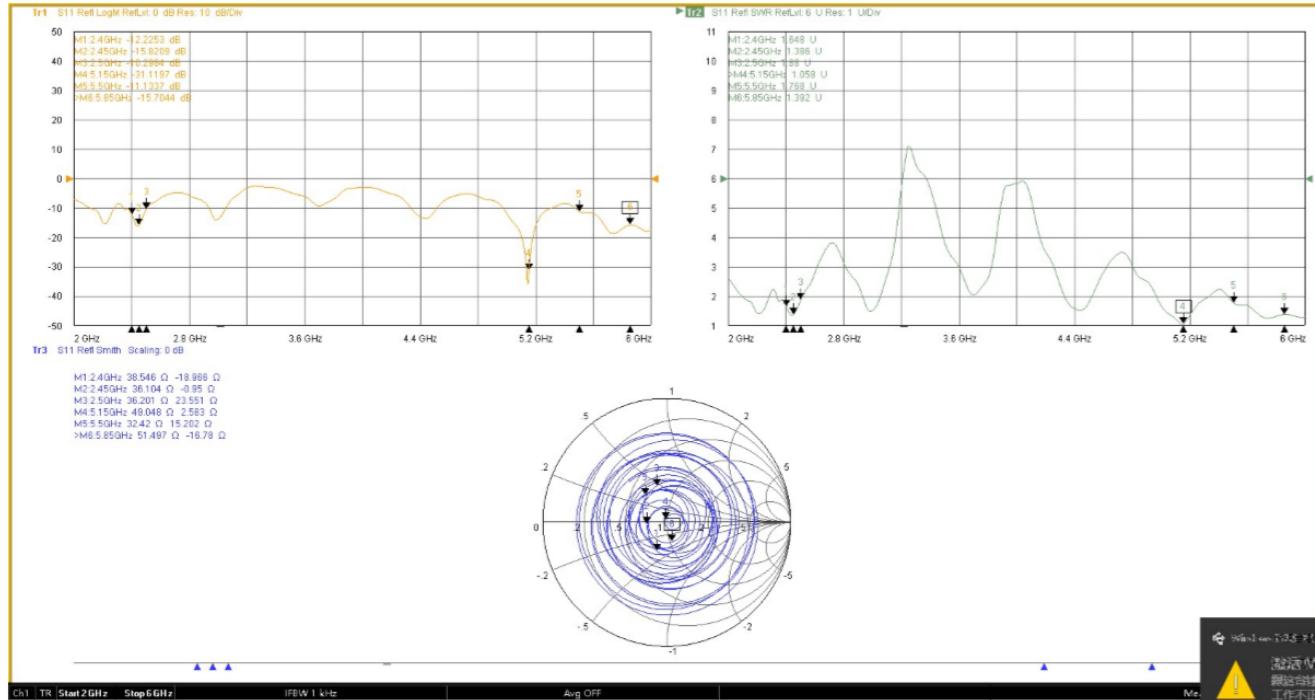
B: Black



LENGTH: $140\pm3.0\text{MM}$
DIAMETER: $\Phi 1.13$
COLOR: Black

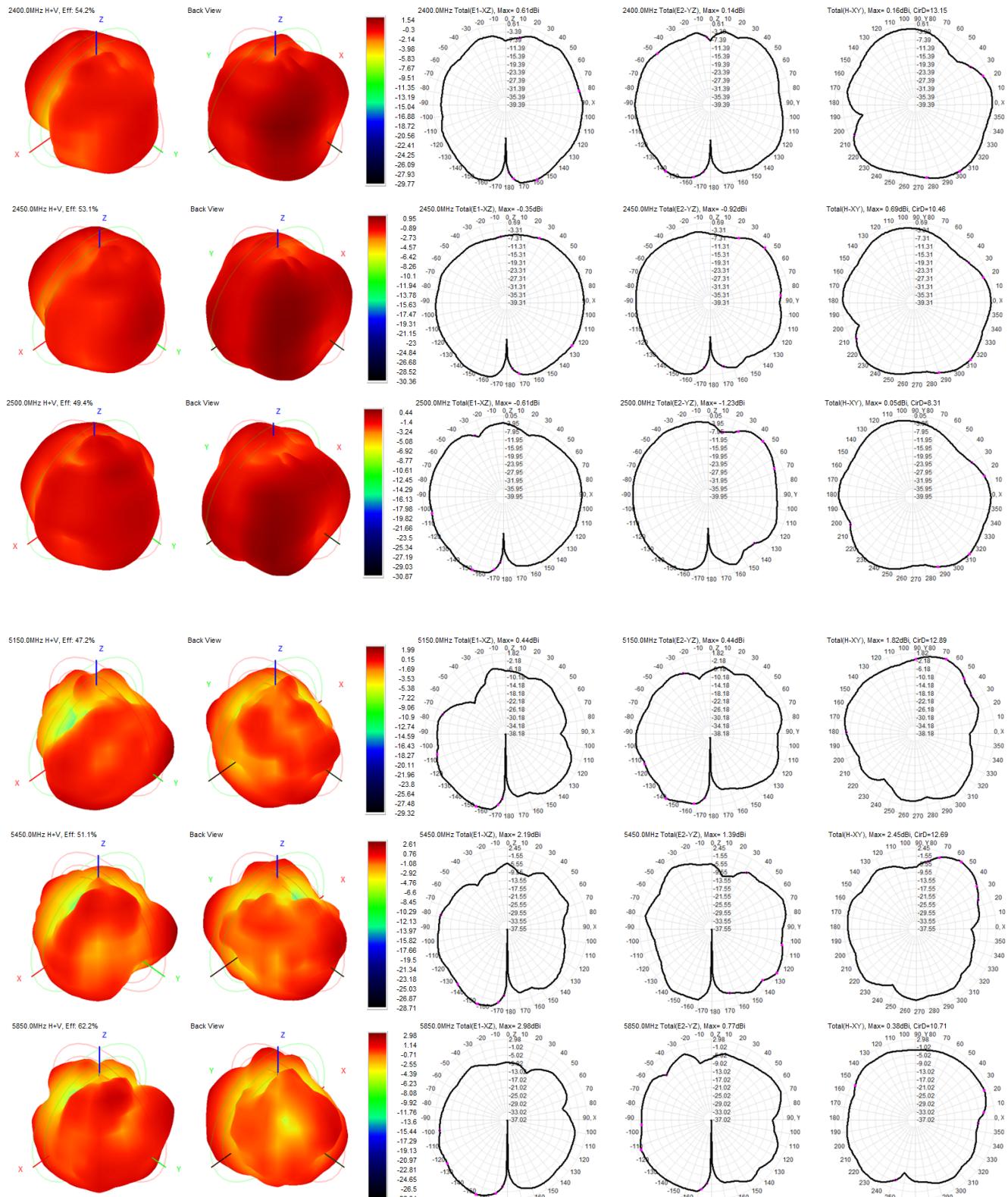


WIFI-1天线S11

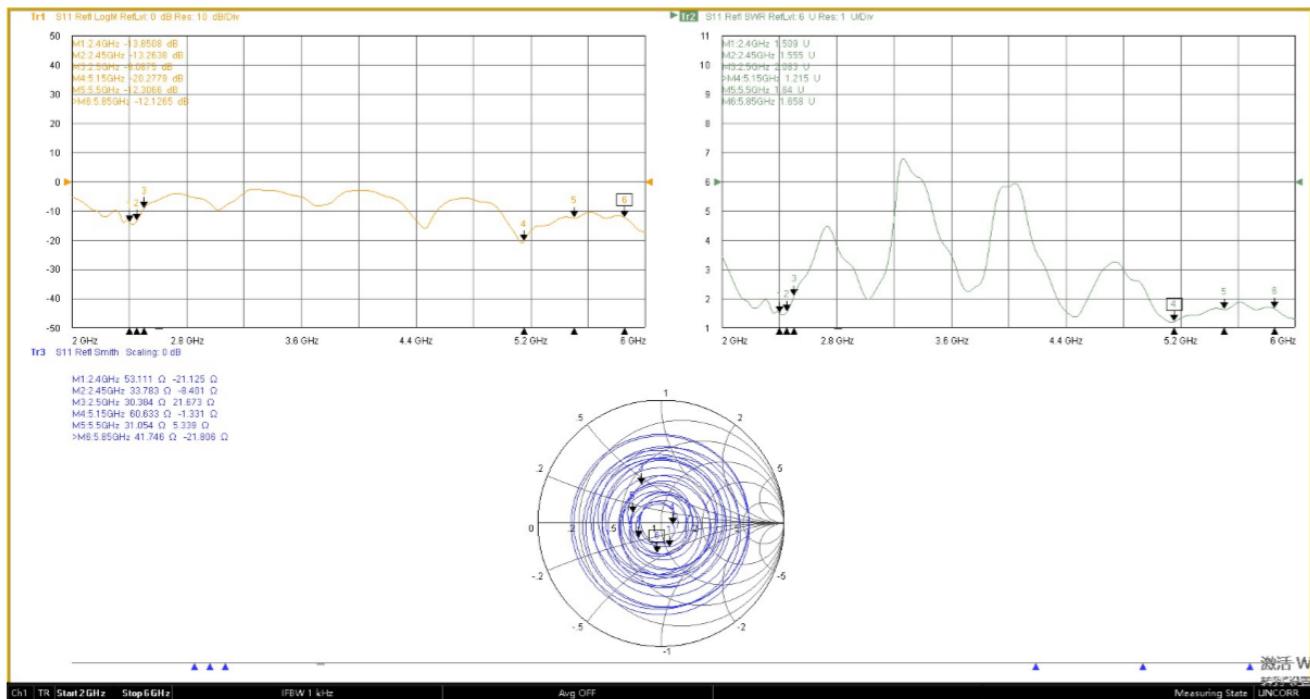


效率、增益、3D

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-2.66	-2.65	-2.66	-2.64	-2.67	-2.75	-2.76	-2.80	-2.94	-2.99	-3.07
Gain (dBi)	1.54	1.51	1.18	0.83	0.96	0.95	0.89	0.84	0.84	0.49	0.44
Efficiency (%)	54.23	54.38	54.21	54.41	54.02	53.11	53.00	52.54	50.79	50.25	49.37
Frequency ID	12	13	14	15	16	17	18	19	20	21	22
Frequency (MHz)	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0
Efficiency (dBi)	-3.26	-3.18	-2.93	-2.83	-2.81	-2.89	-2.92	-3.08	-2.85	-2.74	-2.44
Gain (dBi)	1.99	2.25	2.52	3.12	3.17	2.89	2.61	2.17	2.52	2.42	2.62
Efficiency (%)	47.22	48.10	50.89	52.13	52.31	51.39	51.11	49.17	51.88	53.22	56.95
Frequency ID	23	24	25	26	27	28	29	30	31	32	33
Frequency (MHz)	2.11	2.32	2.84	2.98	3.11	3.22	3.32	3.42	3.52	3.62	3.72
Efficiency (dBi)	-2.61	-2.38	-2.17	-2.06	-1.94	-1.81	-1.68	-1.55	-1.42	-1.29	-1.16
Gain (dBi)	2.11	2.32	2.84	2.98	3.11	3.22	3.32	3.42	3.52	3.62	3.72
Efficiency (%)	50.25	50.79	50.25	49.37	48.10	47.22	46.35	45.48	44.61	43.74	42.87



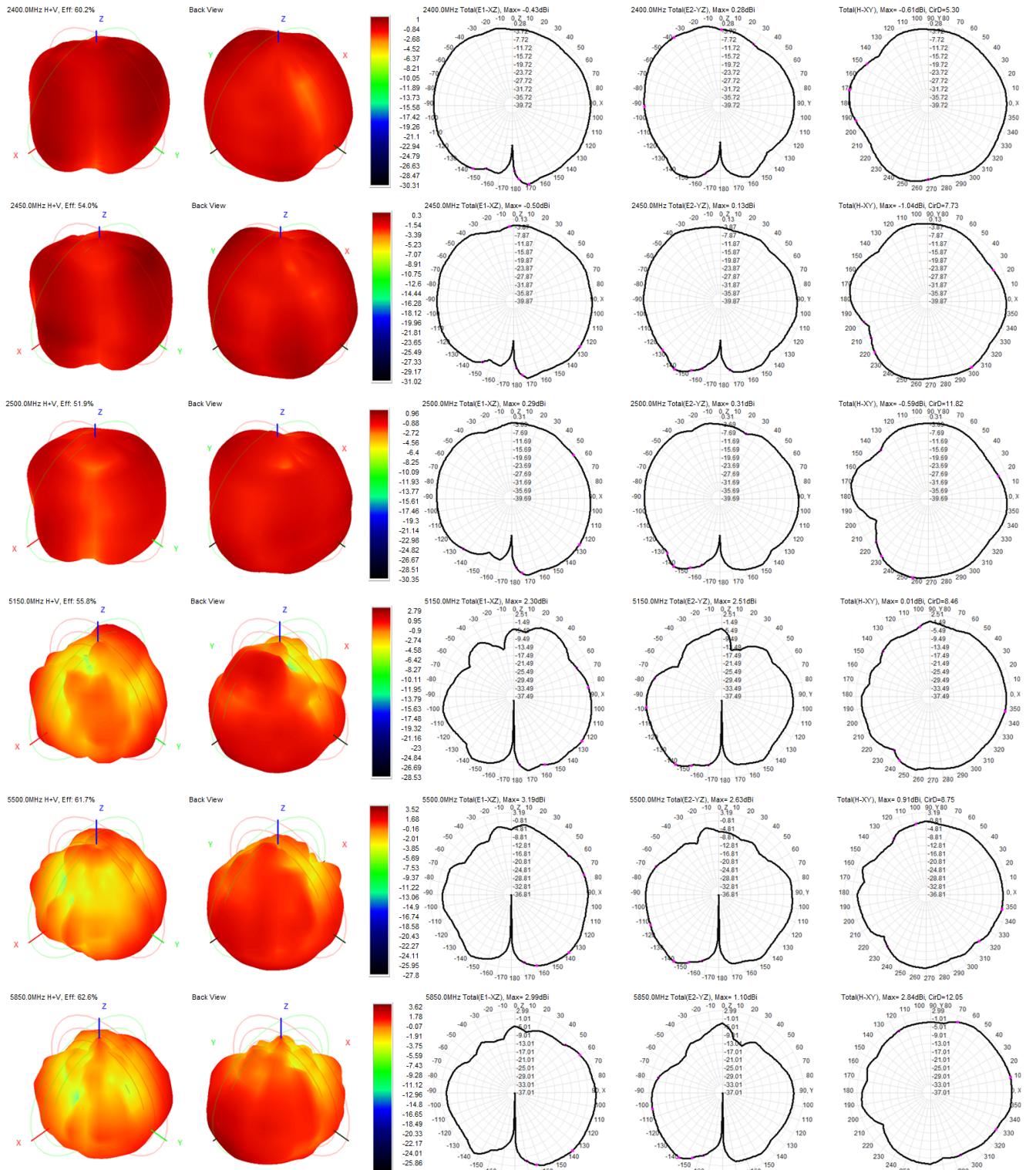
WIFI-2天线 S11



效率 增益 3D

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-2.20	-2.31	-2.37	-2.38	-2.53	-2.68	-2.65	-2.69	-2.83	-2.81	-2.85
Gain (dBi)	1.00	0.96	1.07	1.13	0.75	0.30	0.59	0.45	0.20	0.15	0.96
Efficiency (%)	60.25	58.75	58.00	57.77	55.79	53.99	54.30	53.85	52.13	52.41	51.89

Frequency ID	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Frequency (MHz)	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
Efficiency (dBi)	-2.54	-2.43	-2.19	-2.10	-2.08	-2.07	-1.97	-2.10	-1.90	-1.87	-1.73	-1.99	-1.99	-2.01	-2.03
Gain (dBi)	2.79	3.09	3.29	3.35	3.06	3.03	3.18	3.52	4.01	4.08	4.18	3.92	3.78	3.66	3.62
Efficiency (%)	55.76	57.12	60.45	61.72	62.00	62.03	63.52	61.66	64.55	65.06	67.17	63.19	63.22	62.90	62.63



天线OTA数据

b模式			
频段	信道	TRP	TIS
WiFi 2G	1	13.05	-71.04
	6	13.02	-70.55
	11	14.73	-69.49
g模式			
频段	信道	TRP	TIS
WiFi 2G	1	14.07	-61.64
	6	14.49	-68.05
	11	15.06	-52.18
a模式			
频段	信道	TRP	TIS
WiFi 5G	36	11.39	-71.34
	64	9.43	-75.4
	165	10.7	-76.79