

承 认 书

SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME: 创维电器 (Skyworth Electric Appliances)

产品名称

PRODUCT NAME: E8 天线 (E8 antenna)

客户料号

CUSTOMER P/N:

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Yan peihao	
APPROVED BY:	Fen juan	
DATE:	2023.12.1	

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Shenzhen

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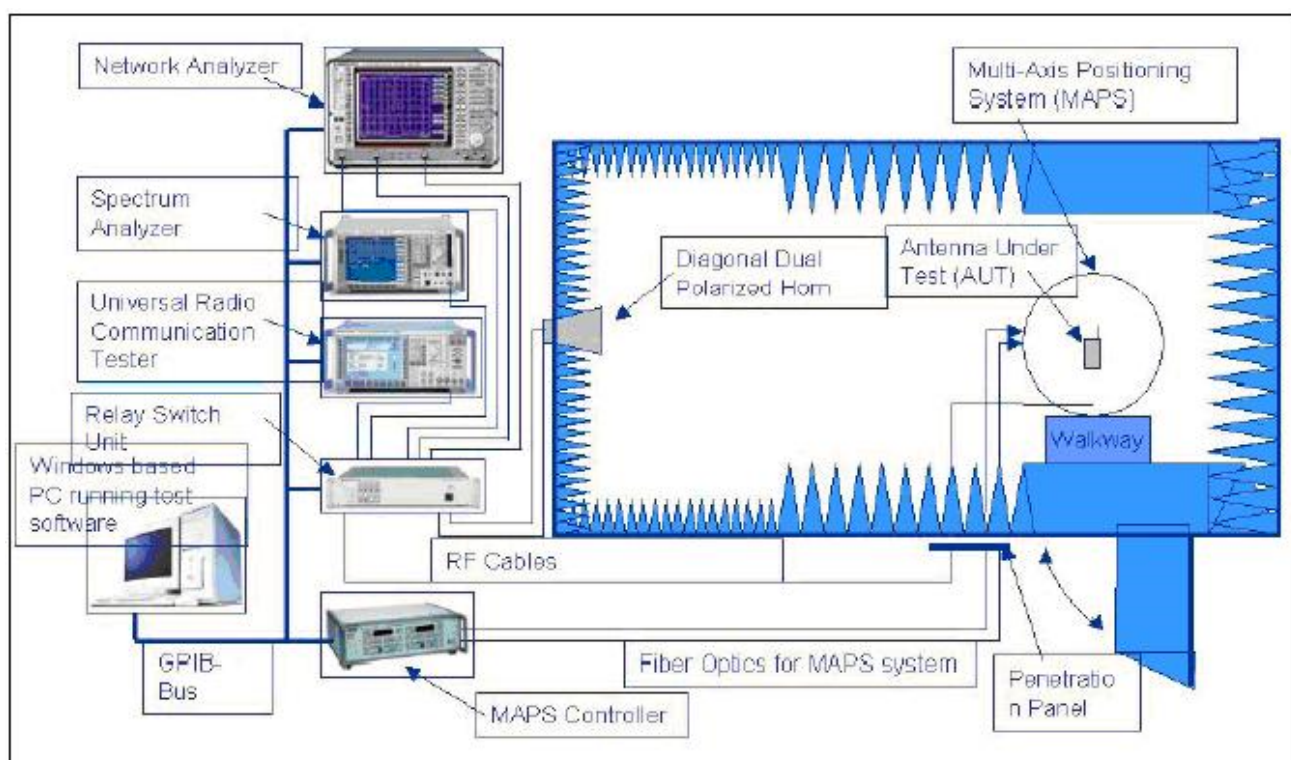
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1. 测试仪器及环境: CTIA 743 暗室, 8960/5515C, 手机背向放置 离标准 喇叭天线 4 米转台处

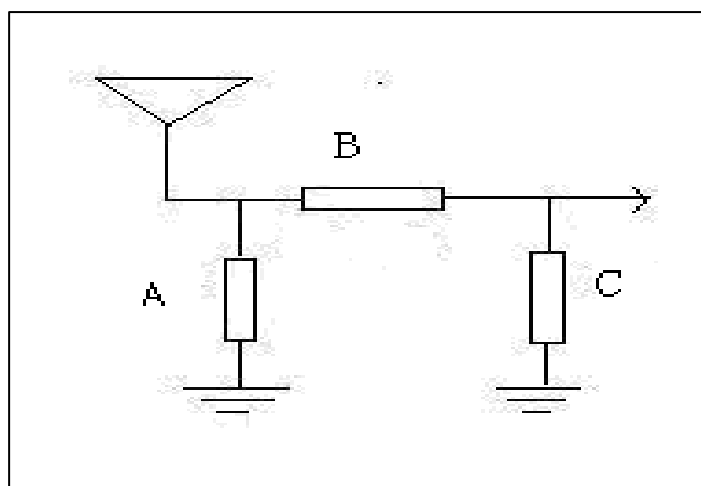
1 Testing instrument and environment: CTIA 743 darkroom, 8960/5515C, with the phone placed backwards at a turntable 4 meters away from the standard speaker antenna



2、匹配电路 matching circuit

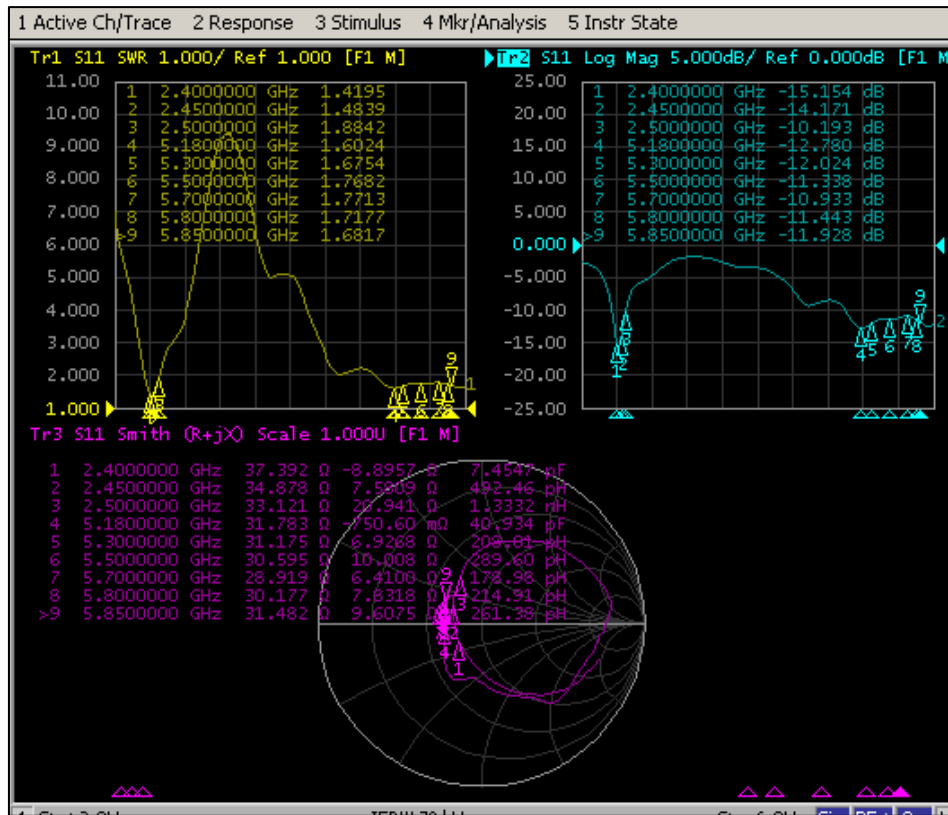
匹配电路有更改。

Matching circuit has been modified



5. 天线 S11, ReturnLoss, Smith 圆图

Antenna S11, ReturnLoss, Smith Circle Diagram



6. 天线增益 Antenna gain

Freq (MHz)	Effi (%)	Gain (dBi)
2400	60.22	2.3
2405	59.87	2.14
2410	59.04	2.06
2415	59.19	2.19
2420	58.44	2.14
2425	56.83	2.01
2430	55.92	1.9
2435	56.38	2.1
2440	55.67	2.05
2445	54.15	1.92
2450	58.12	1.64
2455	56.45	1.47
2460	55.75	1.45
2465	55.31	1.29
2470	53.78	1.27
2475	53.89	1.2
2480	55.09	1.36
2485	54.97	1.21
2490	54.91	1.05
2495	55.28	0.92
2500	55.34	1.17

Freq (MHz)	Effi (%)	Gain (dBi)
5150	49.48	1.96
5178	50.43	2.23
5206	51.09	2.54
5234	51.25	2.8
5262	52.07	2.9
5290	52.75	2.97
5318	53.17	2.73
5346	56.03	2.6
5374	57.62	2.33
5402	58.15	2.45
5430	55.22	1.83
5458	54.61	1.46
5486	52.46	1.04
5514	50.36	0.97
5542	50.1	0.88
5570	53.08	1.35
5598	53.03	0.75
5626	55.39	1.25
5654	54.88	1.5
5682	53.46	1.11
5710	52.49	1.35
5738	53.52	1.46
5766	52.01	1.12
5794	53.16	1.4
5822	55.28	1.63
5850	53.36	1.57

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7.有源测试数据 Active testing data

WIFI2.4G b						
Test Result		WIFI				
		1	6		11	
TRP (dBm)	11MBps	16.88	15.85		16.9	
Test TIS (dBm) 11MBps		WIFI				
		-84.38	-82.96		-84.25	
WIFI 5G a						
Test Result		WIFI				
		1	6		11	
TRP (dBm)	6MBps	11.47	13.09		12.71	
Test TIS (dBm) 54MBps		WIFI				
		-72.69	-72.48		-70.95	

天线类型 Antenna type

天线材质：FPC 天线

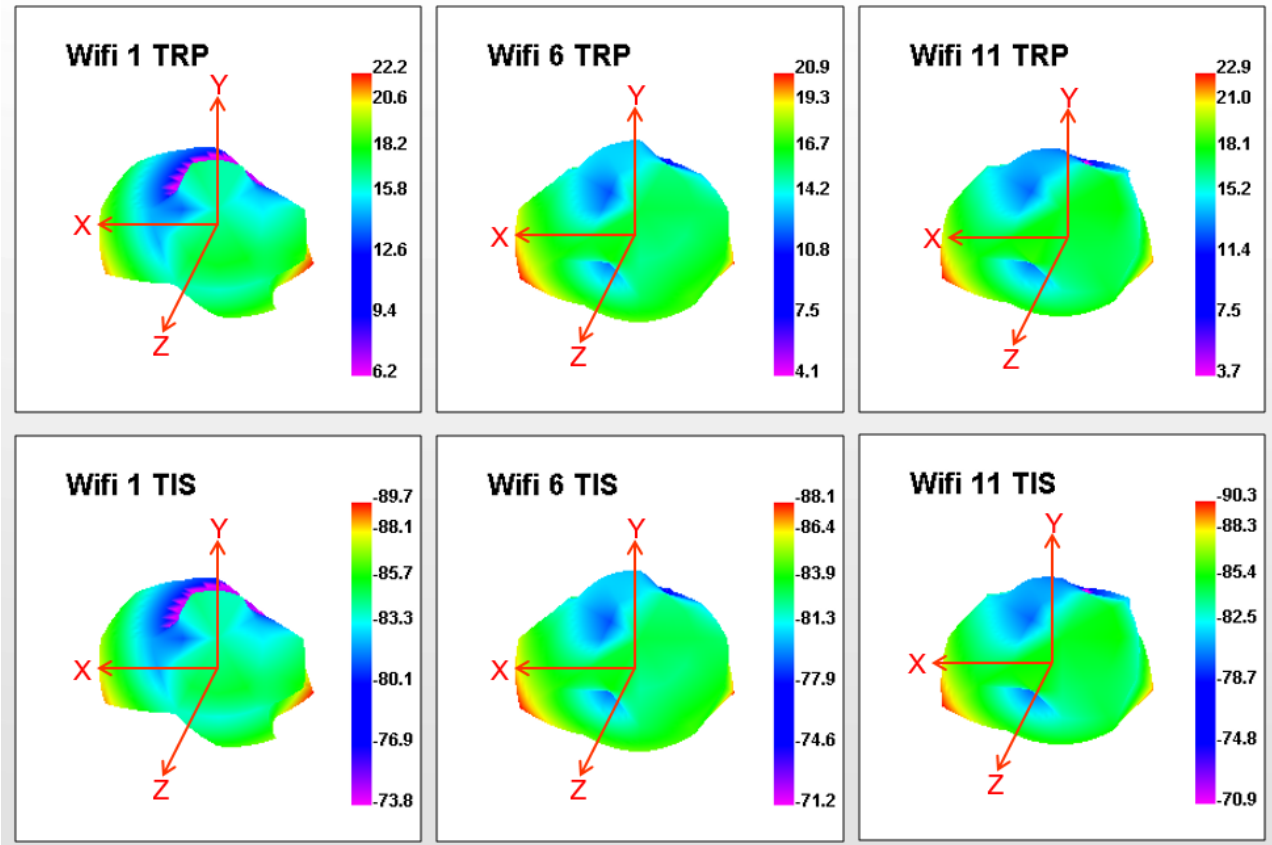
天线类型：PIFA

Antenna material: FPC

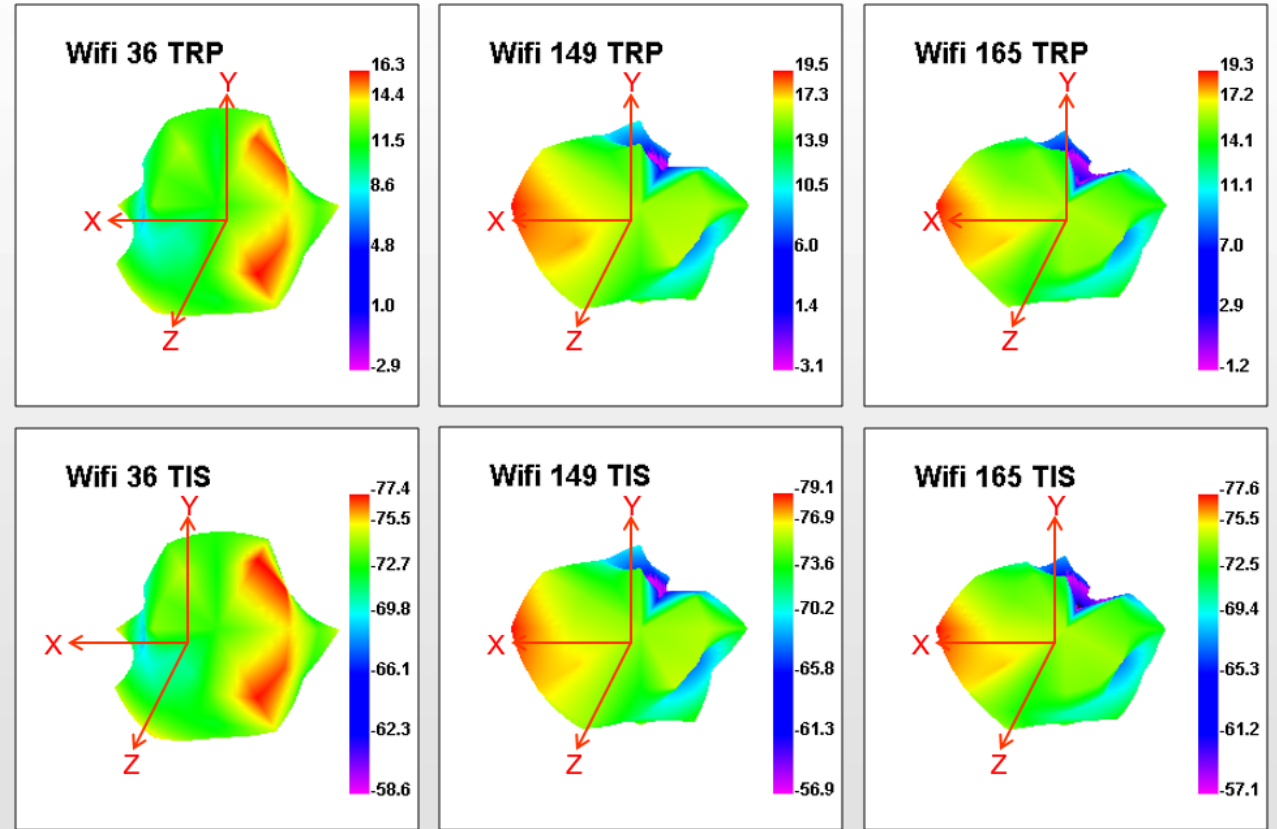
Antenna type: PIFA

8.苹果图 Apple chart

2.4GWIFI天线苹果图（ 2.4GWIFI antenna Apple chart）：



5GWIFI天线苹果图（ 5GWIFI antenna Apple chart）：



9.线样图 Line sample diagram

