



深圳市凯普深通讯科技有限公司
Shenzhen cape deep communication technology co., LTD

天线测试报告

ANT Test Report

客户 : 奥尼

Model : C012

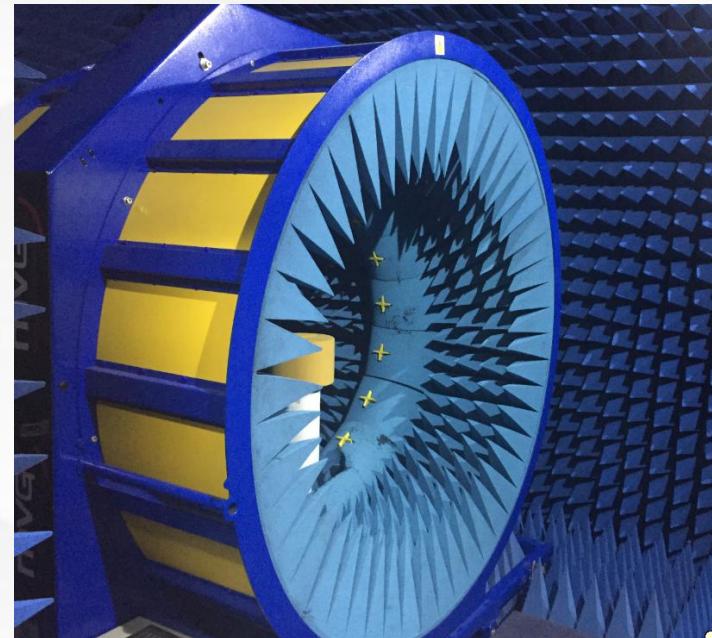
制造商 Manufacturer : SHENZHEN AONI ELECTRONIC CO., LTD

日期 : 2022.03.09
版本 : 1



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实验室测试环境及设备



测试项目/Test Items	测试设备/Test equipment
S11、S12、VSWR、LOSS	网络分析仪 Network analyzer E5071B、E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16暗室、GP7*4*3暗室、E5071B
TRP、TIS	Satimo SG16暗室、GP7*4*3暗室、8960、CMW500、MT8820C、E4438C、



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项目调试简介

整机类型 Machine type				
		频段信息 Frequency range information		
天线种类及频段信 息/Frequency	天线 Antenna	2400-2480M		
天线材质/Material	PCB			



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天线无源驻波图

VSWR





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天线无源测试数据

Antenna passive test data

Passive Test For WIFI2.4

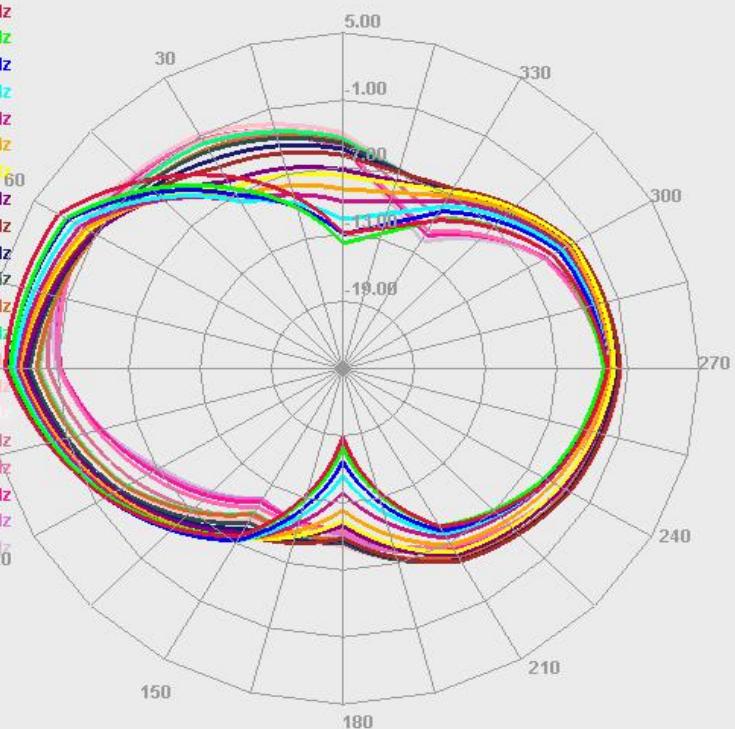
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBD)	UHIS (%)	DHIS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (dBi)	AttH (dB)	AttV (dB)
2400	43.86	-3.58	1.58	-0.57	22.108	21.749	1.58	-16.83	5.16	60	50.43	50.78
2410	40.04	-3.98	0.88	-1.27	19.985	20.054	0.88	-16.39	4.85	60	50.31	50.53
2420	40.05	-3.97	0.57	-1.58	19.923	20.122	0.57	-15.27	4.55	60	50.35	50.69
2430	38.77	-4.11	0.42	-1.73	19.189	19.602	0.42	-14.24	4.53	150	50.65	50.93
2440	41.5	-3.82	0.64	-1.51	20.154	21.348	0.64	-12.79	4.46	150	51.09	51.34
2450	39	-4.09	0.45	-1.7	18.399	20.604	0.45	-12.38	4.54	150	51.24	51.36
2460	36.28	-4.4	0.43	-1.72	16.622	19.657	0.43	-12.71	4.83	150	50.94	51.2
2470	29.77	-5.26	-0.14	-2.29	13.376	16.39	-0.14	-13.36	5.13	150	50.81	50.9
2480	29.02	-5.37	0.11	-2.04	12.948	16.069	0.11	-13.13	5.49	150	50.68	50.87
2490	29.3	-5.33	0.45	-1.7	13.073	16.225	0.45	-13.13	5.79	150	50.94	51.13
2500	29.88	-5.25	0.76	-1.39	13.38	16.498	0.76	-13.07	6	150	51.25	51.41



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Horizontal

2300.000MHz
2310.000MHz
2320.000MHz
2330.000MHz
2340.000MHz
2350.000MHz
2360.000MHz
2370.000MHz
2380.000MHz
2390.000MHz
2400.000MHz
2410.000MHz
2420.000MHz
2430.000MHz
2440.000MHz
2450.000MHz
2460.000MHz
2470.000MHz
2480.000MHz
2490.000MHz
2500.000MHz

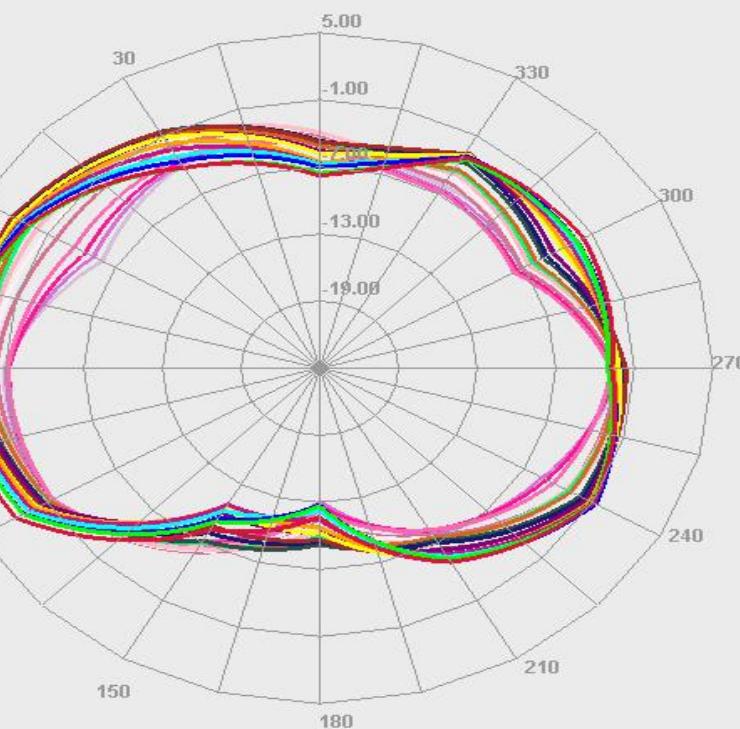


天线无源测试方向图

Antenna passive test direction diagram

E2 Face

2300.000MHz
2310.000MHz
2320.000MHz
2330.000MHz
2340.000MHz
2350.000MHz
2360.000MHz
2370.000MHz
2380.000MHz
2390.000MHz
2400.000MHz
2410.000MHz
2420.000MHz
2430.000MHz
2440.000MHz
2450.000MHz
2460.000MHz
2470.000MHz
2480.000MHz
2490.000MHz
2500.000MHz



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天线无源测试方向图

Antenna passive test direction diagram

E1 Face

2300.000MHz

2310.000MHz

2320.000MHz

2330.000MHz

2340.000MHz

2350.000MHz

2360.000MHz

2370.000MHz

2380.000MHz

2390.000MHz

2400.000MHz

2410.000MHz

2420.000MHz

2430.000MHz

2440.000MHz

2450.000MHz

2460.000MHz

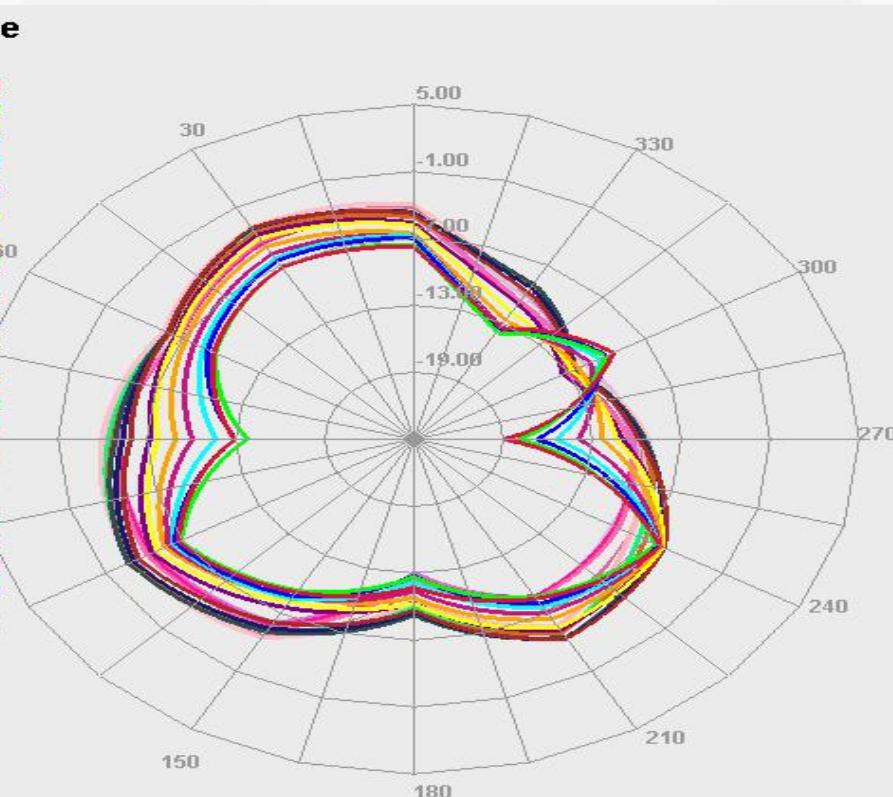
2470.000MHz

2480.000MHz

2490.000MHz

2500.000MHz

120



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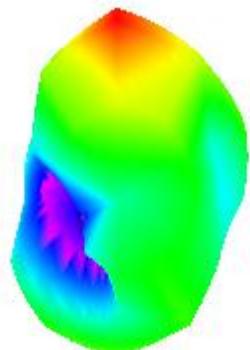


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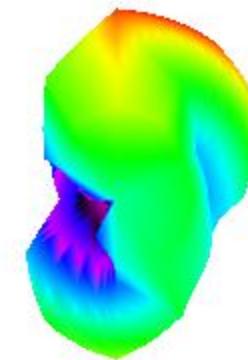
天线无源测试苹果图

Antenna passive test apple diagram

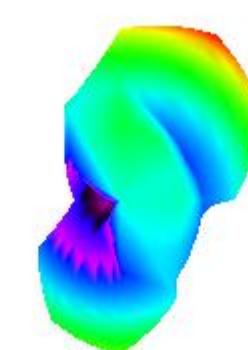
2400.000MHz



2440.000MHz

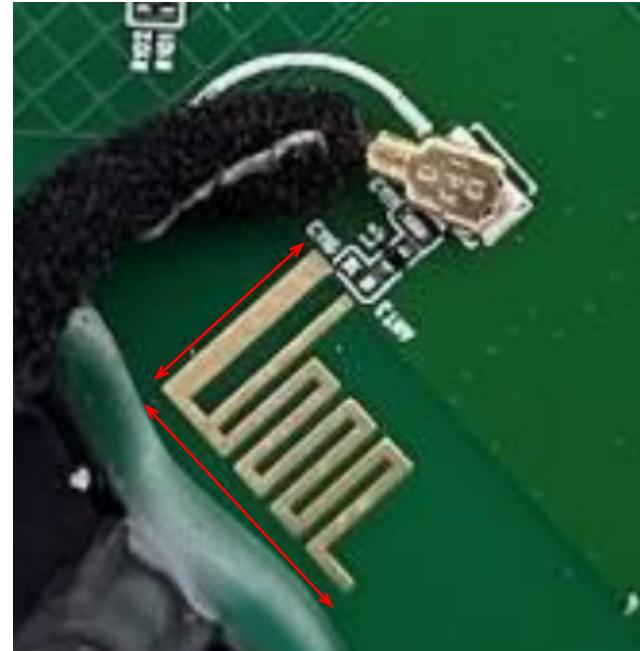


2480.000MHz





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L: 9mm*8mm