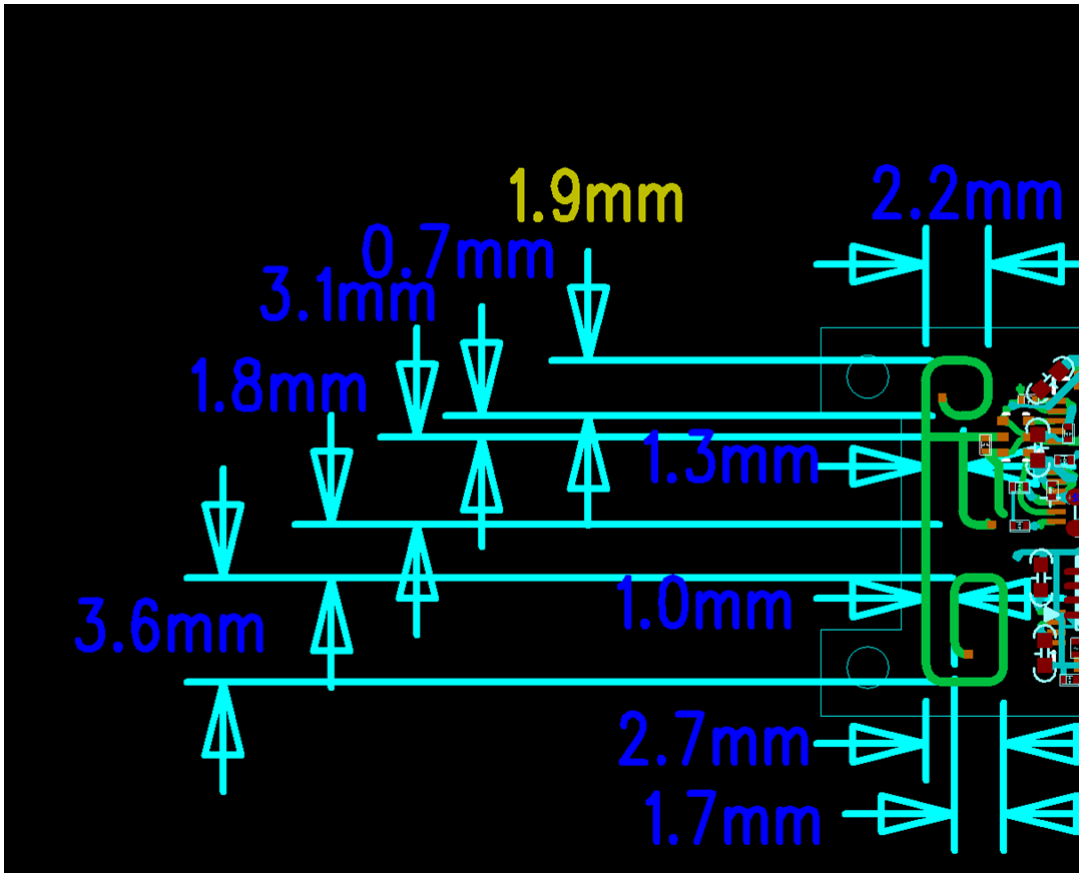


Antenna Test Report

Antenna	Internal Antenna
Manufacturer:	Guangdong Zhanwei Electronic Technology Co., Ltd.
Address:	Room 101, No. 9 Jinshagang 2nd Road, Dalang Town, Dongguan City, Guangdong Province, China
测试条件 Test Conditions	常温环境下温度：21℃， 湿度：50%RH Humidity：50%,Temperature：21℃，
测试设备 Test Equipment	SATIMO-OTA 实验室；CMW500；MT8000；E5071C 等 SATIMO-OTA Lab,
测试环境 Test Ambient	温度(Temperature):____25____℃ 湿度(Humidity):____40____RH
判定标准 Decision criteria	见下表 TRP/TIS 故障判定标准 Look at the table of TRP and TIS

1.External View Drawing:

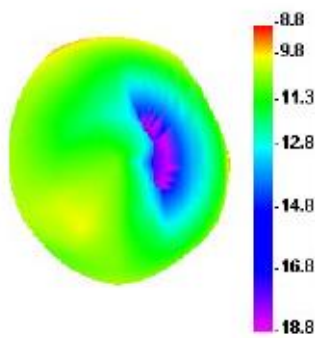
Antenna Photo & Length (mm)



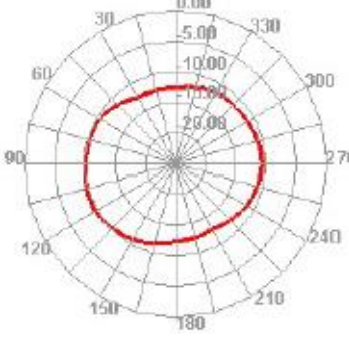
2. Antenna Test Data

Passive Test For WiFi2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	6.31	-12	-8.84	-10.99	2.853	3.457	-8.84	-22.4	3.16	30	50.93	51.08
2410	6.12	-12.13	-8.87	-11.02	2.765	3.359	-8.87	-23.03	3.26	30	50.96	51.13
2420	7.33	-11.35	-8.08	-10.23	3.342	3.993	-8.08	-23.05	3.27	30	50.93	51.12
2430	8.52	-10.7	-7.49	-9.64	3.92	4.597	-7.49	-22.93	3.21	30	51.04	51.23
2440	8.64	-10.63	-7.51	-9.66	4.025	4.616	-7.51	-22.75	3.12	30	51.26	51.4
2450	9.72	-10.12	-7.07	-9.22	4.586	5.134	-7.07	-21.18	3.05	60	51.55	51.71
2460	11.2	-9.51	-6.48	-8.63	5.349	5.855	-6.48	-19.4	3.02	60	51.45	51.6
2470	14.18	-8.48	-5.47	-7.62	6.832	7.35	-5.47	-17.43	3.01	60	51.73	51.88
2480	16.81	-7.74	-4.77	-6.92	8.163	8.649	-4.77	-16.11	2.97	60	51.85	52.01
2490	19.06	-7.2	-3.88	-6.03	9.338	9.723	-3.88	-15.38	3.32	60	52.01	52.05
2500	18.52	-7.32	-3.68	-5.83	9.199	9.316	-3.68	-15.64	3.64	30	52.04	52.07

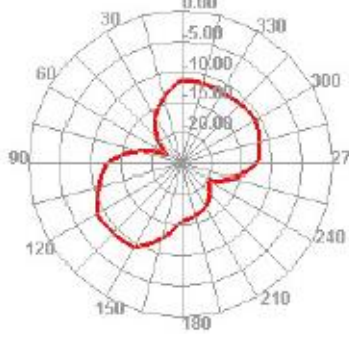
2400.000MHz



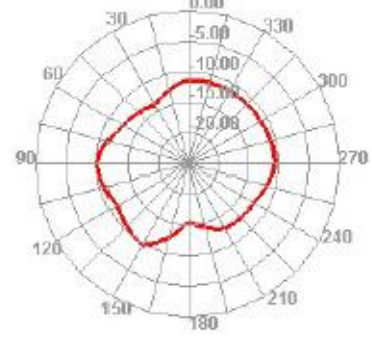
2400.000MHz H



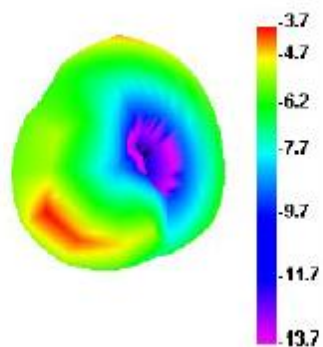
2400.000MHz E1



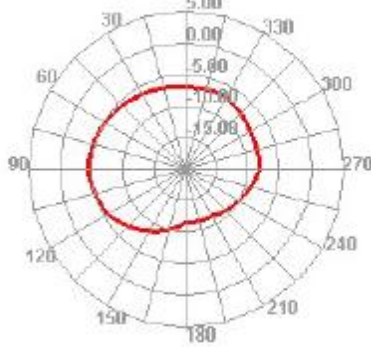
2400.000MHz E2



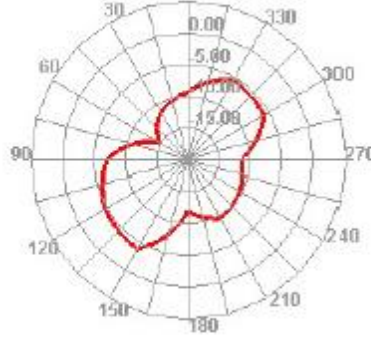
2500.000MHz



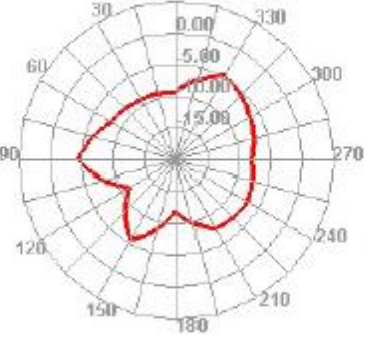
2500.000MHz H



2500.000MHz E1

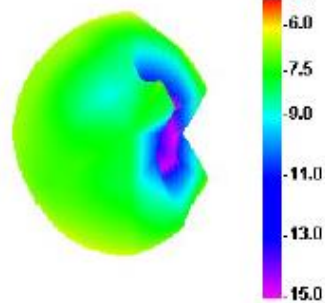


2500.000MHz E2

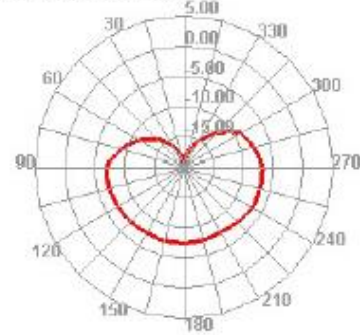


Passive Test For wifi6E												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dE)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
5000	11.59	-9.36	-4.95	-7.1	4.865	6.73	-4.95	-22.93	4.4	90	61.06	61.08
5050	13.25	-8.78	-4.72	-6.87	5.633	7.615	-4.72	-22.3	4.06	60	61.28	61.33
5100	15.46	-8.11	-4.22	-6.37	6.249	9.208	-4.22	-23.88	3.89	30	61.41	61.54
5150	18.24	-7.39	-3.6	-5.75	7.098	11.145	-3.6	-28.13	3.79	30	61.69	61.71
5200	19.43	-7.12	-2.75	-4.9	7.252	12.178	-2.75	-22.57	4.37	0	61.51	61.62
5250	22.5	-6.48	-2.06	-4.21	8.011	14.485	-2.06	-21.5	4.42	0	61.75	61.78
5300	26.73	-5.73	-1.2	-3.35	9.126	17.608	-1.2	-25.48	4.53	0	61.84	61.92
5350	33.84	-4.71	-0.43	-2.58	11.703	22.139	-0.43	-20.2	4.28	0	61.7	61.72
5400	39.88	-3.99	0.63	-1.52	14.116	25.768	0.63	-21.91	4.62	30	62.01	62.11
5450	42.83	-3.68	1.15	-1	15.13	27.703	1.15	-21.7	4.83	60	62.44	62.49
5500	43.37	-3.63	1.27	-0.88	15.391	27.982	1.27	-19.22	4.9	60	62.55	62.51
5550	45.51	-3.42	1.51	-0.64	16.396	29.117	1.51	-21.53	4.92	60	62.77	62.67
5600	46.54	-3.32	1.79	-0.36	17.1	29.439	1.79	-19.17	5.11	60	62.61	62.59
5650	39.75	-4.01	1.23	-0.92	14.834	24.915	1.23	-23.73	5.24	60	62.49	62.56
5700	34.14	-4.67	0.5	-1.65	12.515	21.625	0.5	-20.02	5.16	60	62.91	62.98
5750	32.51	-4.88	-0.03	-2.18	12.138	20.376	-0.03	-26.69	4.85	60	63.27	63.4
5800	34.73	-4.59	0.12	-2.03	12.902	21.831	0.12	-27.56	4.71	60	63.61	63.62
5850	34.57	-4.61	0.07	-2.08	12.944	21.631	0.07	-20.87	4.68	60	63.69	63.7
5900	29.13	-5.36	-0.69	-2.84	10.834	18.295	-0.69	-26.13	4.67	60	63.57	63.59
5950	26.9	-5.7	-0.9	-3.05	10.061	16.839	-0.9	-28.07	4.8	60	64.32	64.32
6000	21.81	-6.61	-2.15	-4.3	8.13	13.684	-2.15	-22.94	4.46	60	64.26	64.37

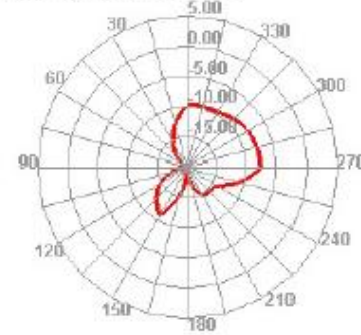
5000.000MHz



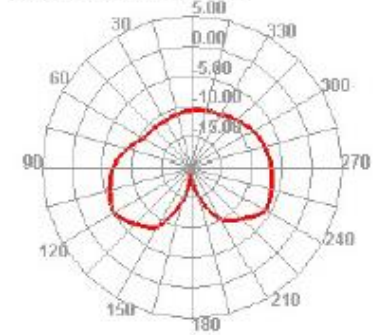
5000.000MHz H



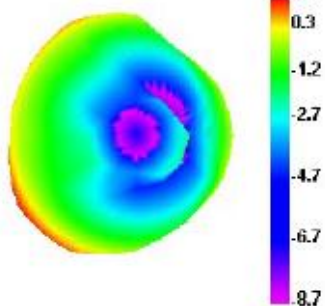
5000.000MHz E1



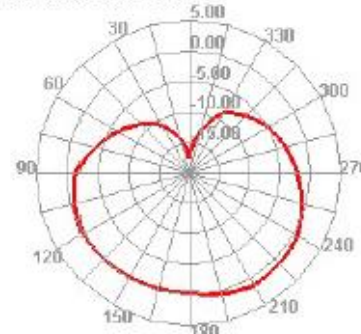
5000.000MHz E2



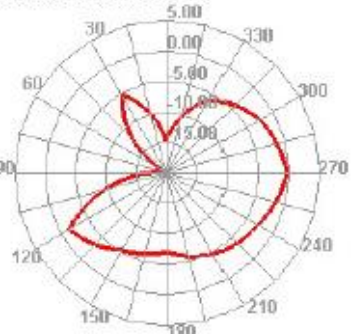
5500.000MHz



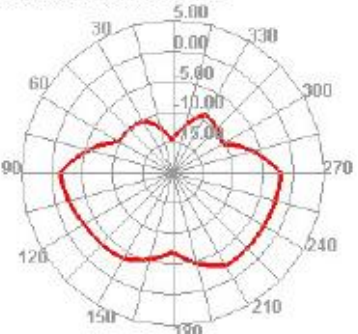
5500.000MHz H



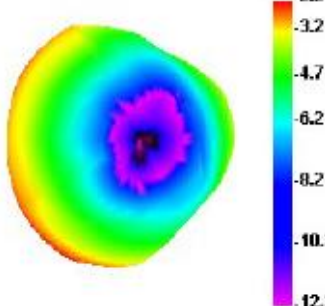
5500.000MHz E1



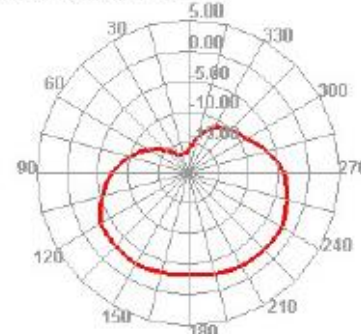
5500.000MHz E2



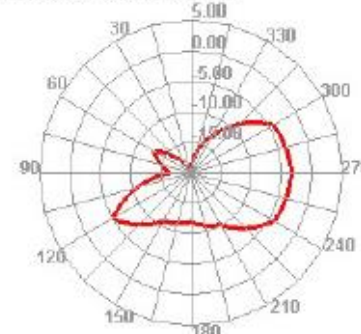
6000.000MHz



6000.000MHz H



6000.000MHz E1



6000.000MHz E2

