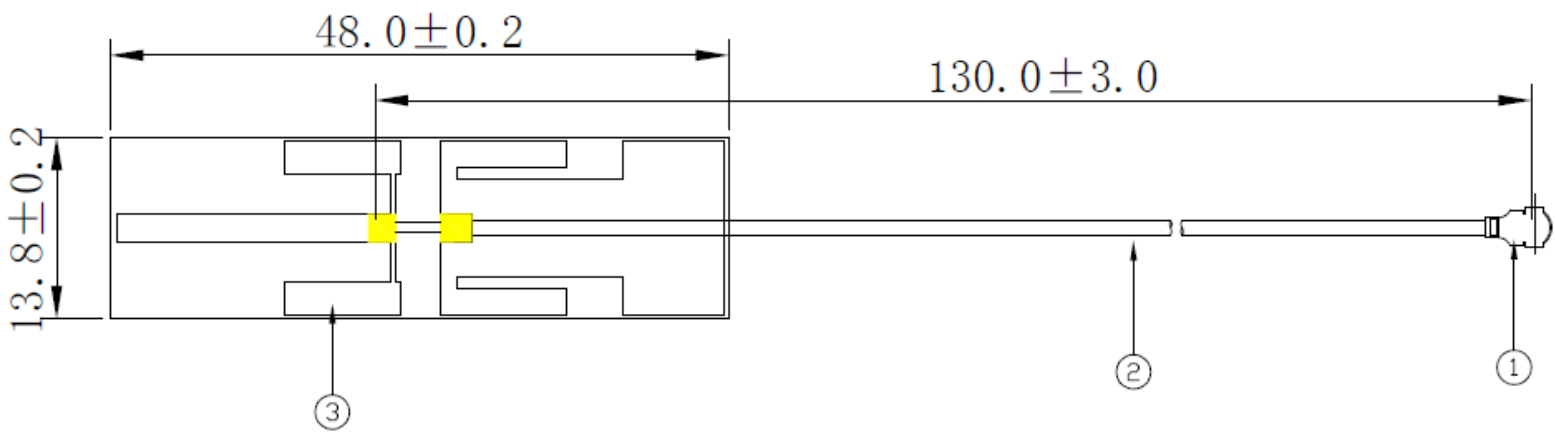


Antenna Test Report

Antenna	Internal Antenna
Manufacturer:	Zhengzhou Chaokuo Electronic Technology Co., Ltd
Address:	Room 302,303, Building 6, Phase 2, No. 27, Fenglin Road, High-tech Industrial Development Zone, Zhengzhou City, Henan 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

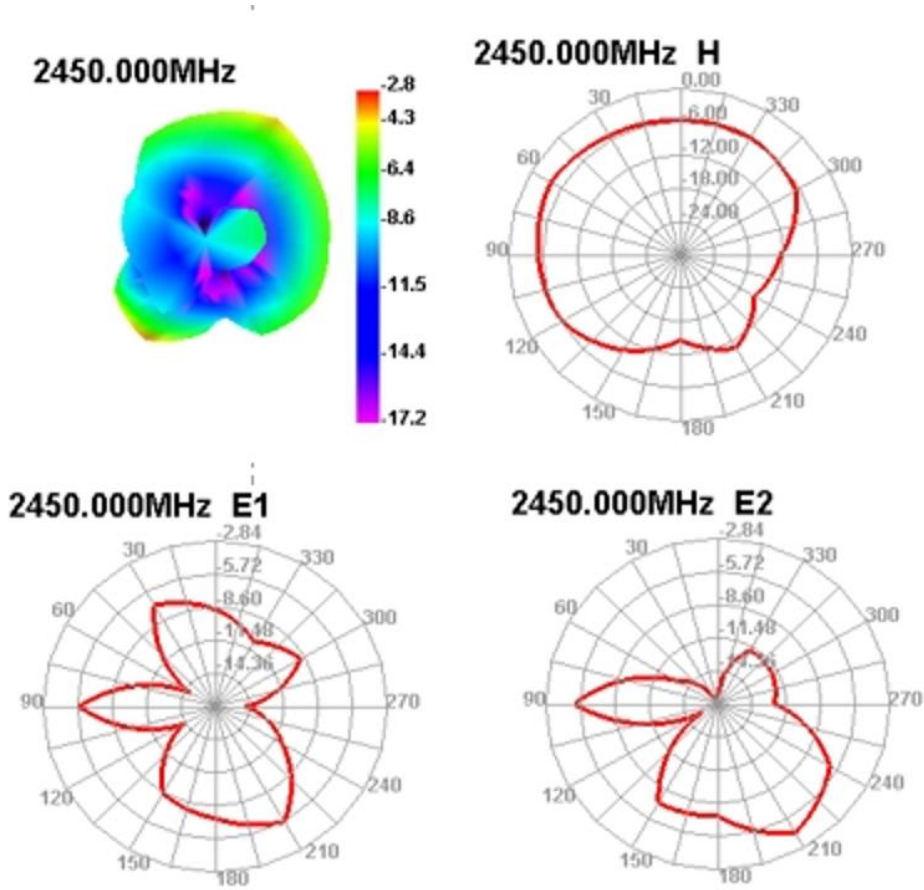
1.External View Drawing:

Antenna Photo & Length (mm)



2. Antenna Test Data

2.4G WIFI			
Passive Test For 2.4G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	14.48	-8.39	-3.62
2410	14.05	-8.52	-3.84
2420	13.92	-8.56	-3.58
2430	13.98	-8.55	-2.9
2440	14.27	-8.46	-2.99
2450	13.97	-8.55	-2.84
2460	15.01	-8.24	-2.69
2470	15.66	-8.05	-2.55
2480	17.37	-7.6	-2.39
2490	19.71	-7.05	-1.92
2500	21.83	-6.61	-1.78



WIFI/5G

Passive Test For 5G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5000	29.22	-5.34	-0.35
5040	23.73	-6.25	-1.91
5080	27.04	-5.68	-1.56
5120	27.21	-5.65	-1.82
5160	21.34	-6.71	-2.68
5200	18.63	-7.3	-2.23
5240	18.27	-7.38	-2.05
5280	16.28	-7.88	-2.48
5320	18.62	-7.3	-2.61
5360	16.8	-7.75	-2.82
5400	22.85	-6.41	-1.65
5440	19	-7.21	-2.73
5480	20.38	-6.91	-1.81
5520	22.6	-6.46	-1.74
5560	25.78	-5.89	-1.19
5600	22.39	-6.5	-1.58
5640	20	-6.99	-2.59
5680	21.1	-6.76	-2.33
5720	28.28	-5.49	-1.17
5760	28.53	-5.45	-1.62
5800	28.04	-5.52	-1.83

