

**1.0 DESCRIPTIONS AND PART NUMBER;**

1.1 DESCRIPTION;

The antenna mounts to the housing of the cellular phone. And after that, the feed point on the prolongation of metal plate should firmly touch the contact provided on the PCB in the respective area.

1.2 PART NUMBER

Part number	Frequency Band	HH Part Number
	2.4G/5G	

**2.0 ELECTRICAL SPECIFICATIONS;**

2.1 FREQUENCY BAND

WIFI 2.4G/5G

2.2 IMPEDANCE - Nominal impedance: 50

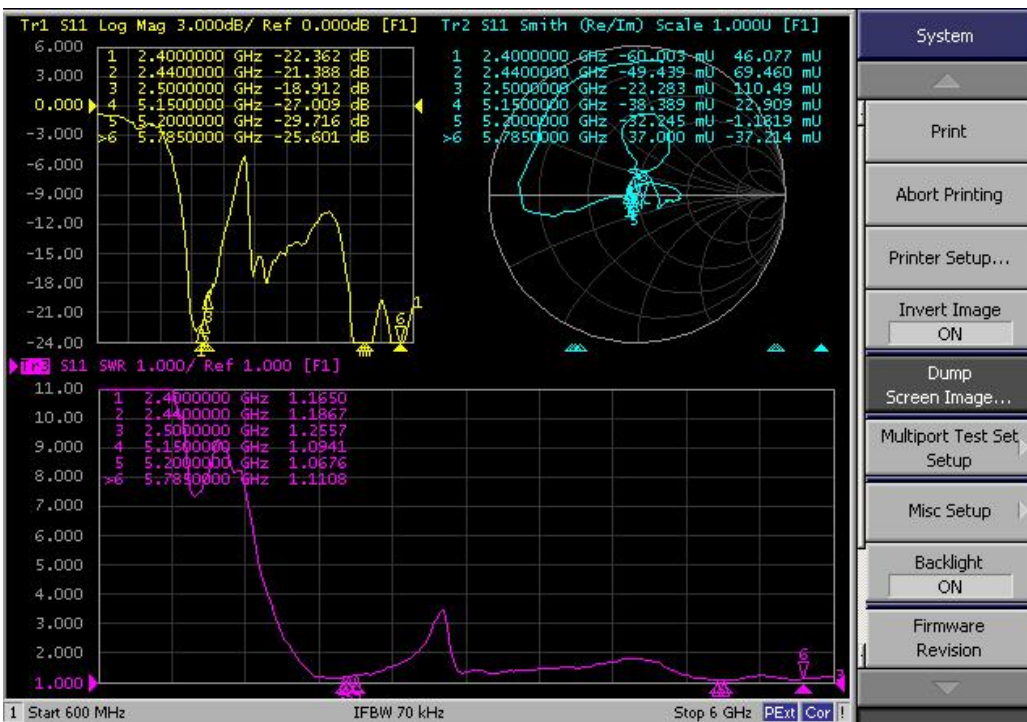
2.3 ACTIVE TEST REPORT

E5071C



SG24

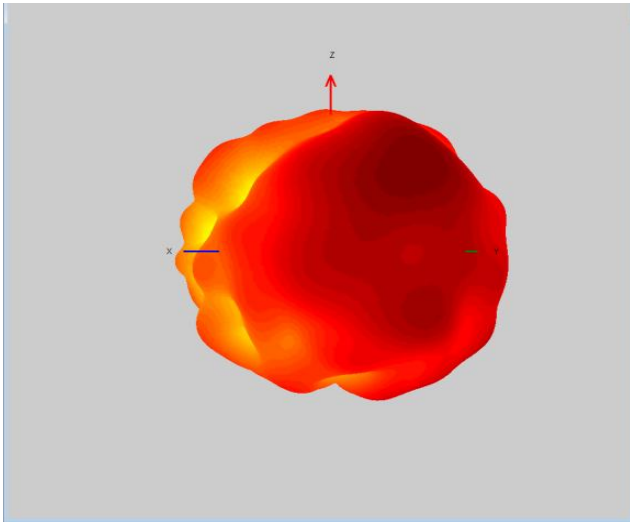




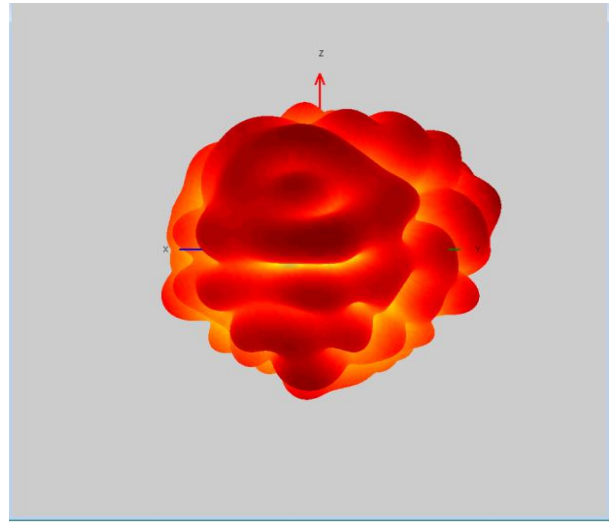
Gain&Efficiency 增益和效率			
frequency 频率(Hz)	gain 增益(dB)	efficiency 效率(dB)	efficiency 效率
5150M	3.48	-4.58	34.83%
5175M	4.08	-4.17	38.25%
5200M	4.51	-3.61	43.56%
5225M	3.22	-4.52	35.34%
5250M	3.43	-4.52	35.31%
5275M	3.36	-4.34	36.82%
5300M	4.73	-3.69	42.72%
5325M	4.31	-3.97	40.05%
5350M	4.2	-4.29	37.22%
5375M	4.33	-4.17	38.26%
5400M	4.92	-3.95	40.31%
5425M	4.97	-3.45	45.17%
5450M	5.05	-3.74	42.24%
5475M	4.72	-4.28	37.35%
5500M	4.61	-4.51	38.37%
5525M	5.52	-3.88	40.97%
5550M	4.96	-4.36	39.67%
5575M	4.45	-4.69	33.96%
5600M	4.83	-4.5	38.45%
5625M	4.79	-4.82	35.94%
5650M	4.22	-4.52	38.30%
5675M	4.86	-4.91	35.27%
5700M	4.32	-5.51	31.12%
5725M	4.94	-4.78	36.23%
5750M	4.68	-4.9	35.35%
5775M	3.83	-5.52	35.06%
5800M	3.81	-5.22	36.03%

Gain&Efficiency 增益和效率			
frequency 频率(Hz)	gain 增益(dB)	efficiency 效率(dB)	efficiency 效率
2400M	3.1	-2.13	51.19%
2410M	3.36	-1.84	55.39%
2420M	3.37	-1.75	56.89%
2430M	3.23	-1.82	55.77%
2440M	2.69	-2.28	56.11%
2450M	2.42	-2.49	56.35%
2460M	1.81	-3.06	49.45%
2470M	1.63	-3.19	47.99%
2480M	1.56	-3.24	47.39%
2490M	1.52	-3.26	47.23%
2500M	1.92	-2.76	52.98%

5, 方向图



WIFI 1 2.4G



WIFI 1 5G

6. 有源测试数据 Passive result

Format for OTA test					
WIFI					
Band	Channel	Freespce TRP	Channel	Freespce TIS	PASS
WIFI B	1	14.59	1	-83.25	≦-78
	7	16.88	7	-81.49	≦-78
	13	16.19	13	-80.71	≦-78
	AVE	15.89		-81.82	
WIFI A	36	15.67	36	-72.94	≦-68
	146	12.36	149	-70.85	≦-68
	165	16.32	165	-71.27	≦-68
	AVE	14.78		-71.69	

**7.0 MECHANICAL SPECIFICATIONS:**

7.1 MECHANICAL CONFIGURATION

The appearance of the antenna is in accordance with drawing

7.2 CONNECTOR TYPE

The connector type is an embedded type

## **8.0 ENVIRONMENTAL SPECIFICATIONS**

### 8.1 TEMPERATURE

Operating Temperature Range: -40 C ~ +85 C

Storage Temperature Range: -40 C ~ +120 C

### 8.2 SALT SPRAY TEST

Antenna be exposed in a 35°C, 5% salt fog chamber for 24 hours then check the appearance and performance against the specifications in normal temperature.

### 8.3 STATIC HUMIDITY TEST

The antenna is subjected to the following test:

Temperatures: +70°C and 90%--95%RH

Test Duration: 24 Hours

The antenna should not undergo any structural or functional change and remain within the electrical/mechanical specification.

## **9.0 PACKAGING**

The antennas will be packed in bags, There are 100 or 200 antennas per bag. The bags are packed in corrugated fibreboard over box

Drawing :

