

创科华天线规格书

CKH product specification

Internal antenna

AFF110

APPROVED BY	SIGNATURE	DATE
Mechanical Engineer:	Zhou	2022-04-19
RF Engineer:	Zeng	2022-04-19
Engineering Manager:	Wang	2022-04-19
Approved By Customer (as required):		

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.

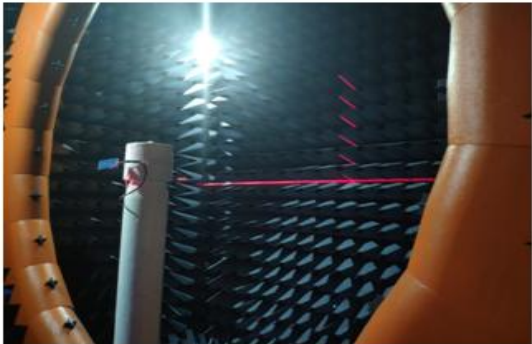
1.2 PART NUMBER

Part number	Frequency Band	HH Part Number
	2.4GWIFI	

2.0FREQUENCY BAND



2.1 ACTIVE TEST REPORT



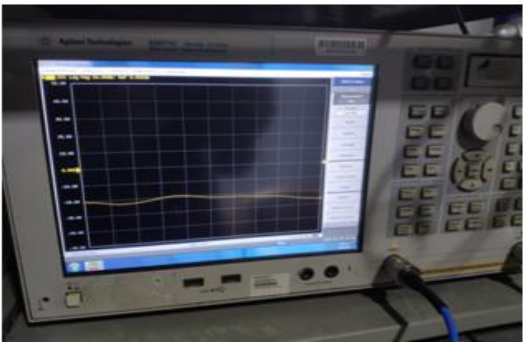
7*4*3M 3D微波暗室



MT8820C



Agilent 8960

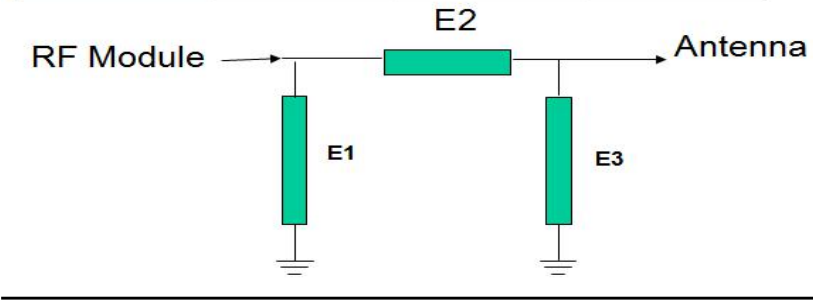


Agilent E5071C

3.0 MECHANICAL SPECIFICATIONS:

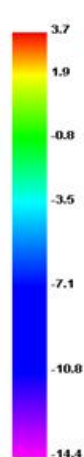
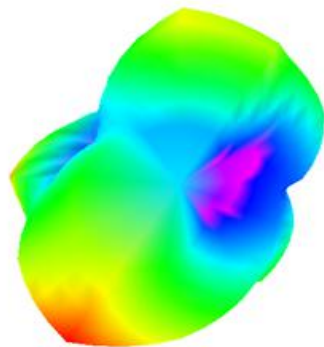
匹配电路（无改动，原机器匹配）

Element	E1	E2	E3
Value	/	/	/

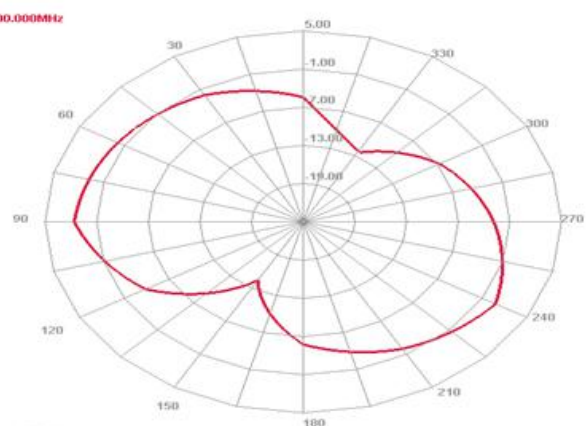


Passive Test For WIFI2.4										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	62.88	-2.01	3.74	1.59	33.517	29.365	3.74	-14.4	47.51	47.63
2410	63.29	-1.99	3.77	1.62	33.702	29.586	3.77	-14.76	47.34	47.64
2420	62.21	-2.06	3.73	1.58	32.986	29.225	3.73	-14.53	47.27	47.45
2430	59.52	-2.25	3.54	1.39	31.47	28.054	3.54	-14.73	47.09	47.44
2440	62.26	-2.06	3.67	1.52	32.728	29.53	3.67	-15.25	47.25	47.56
2450	64.7	-1.89	3.78	1.63	33.985	30.719	3.78	-17.05	47.42	47.77
2460	66.27	-1.79	3.89	1.74	34.89	31.38	3.89	-21.09	47.67	47.91
2470	66.67	-1.76	3.86	1.71	35.3	31.375	3.86	-25.24	47.7	48.04
2480	70.19	-1.54	4.08	1.93	37.57	32.621	4.08	-21.79	47.89	48.23
2490	73.85	-1.32	4.16	2.01	39.618	34.236	4.16	-17.41	48.1	48.34
2500	71.96	-1.43	3.97	1.82	38.679	33.28	3.97	-15.51	47.94	48.19

2400.000MHz

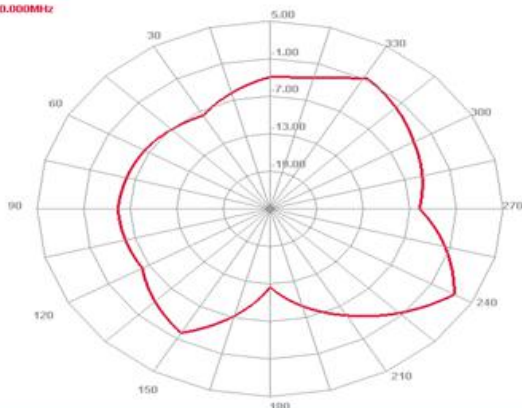


Horizontal



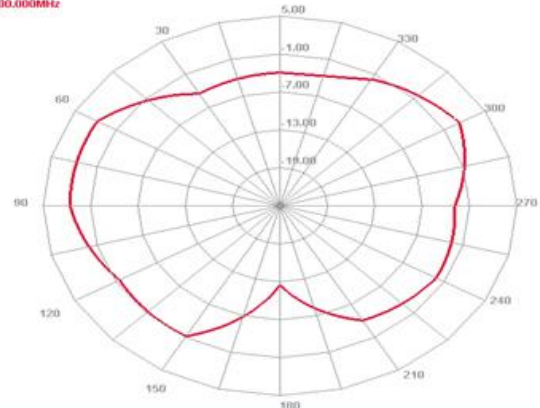
E1 Face

2400.000MHz

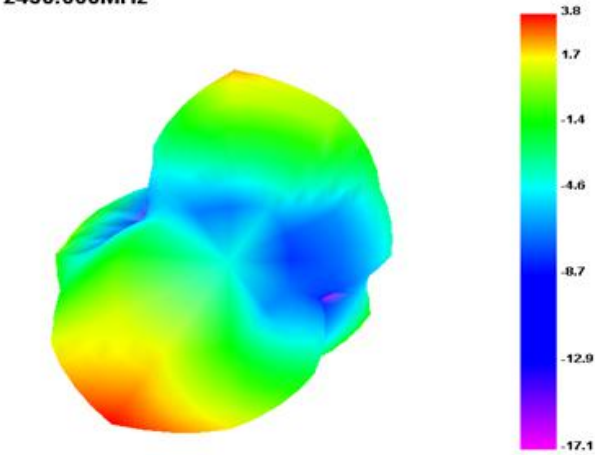


E2 Face

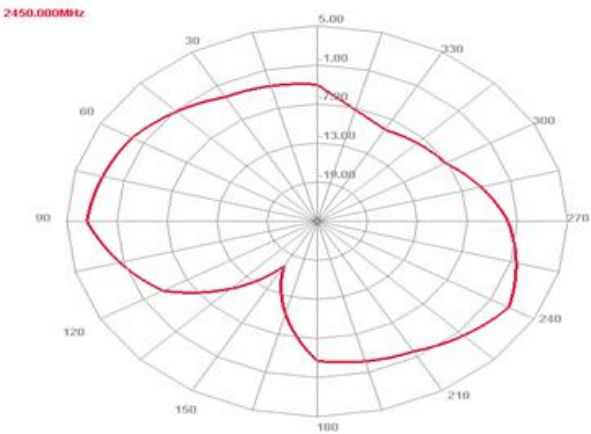
2400.000MHz



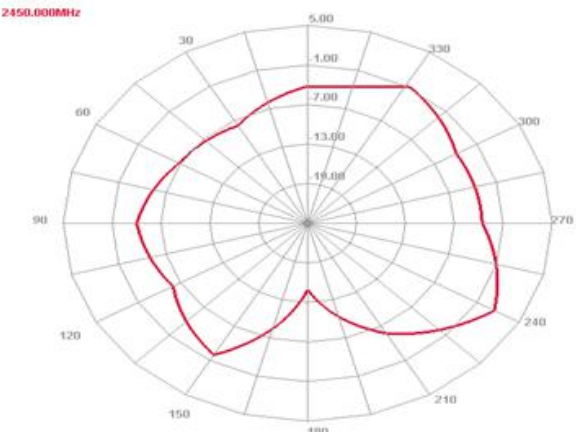
2450.000MHz



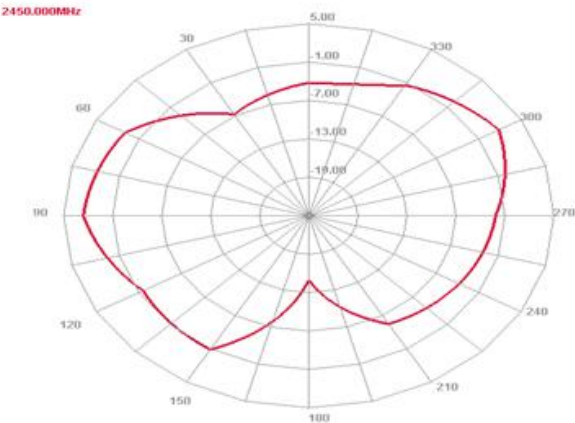
Horizontal



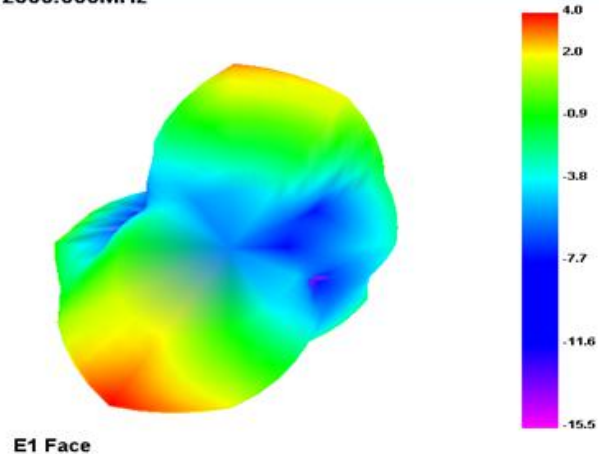
E1 Face



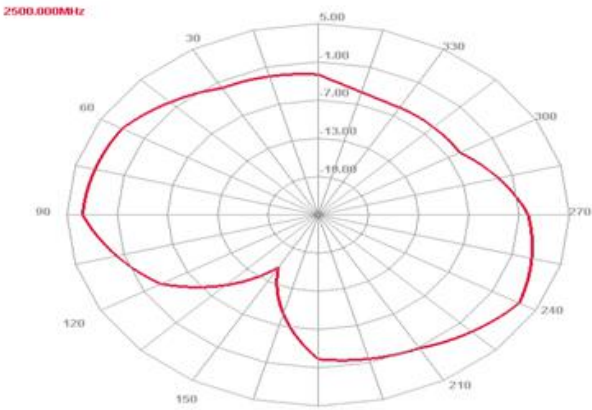
E2 Face



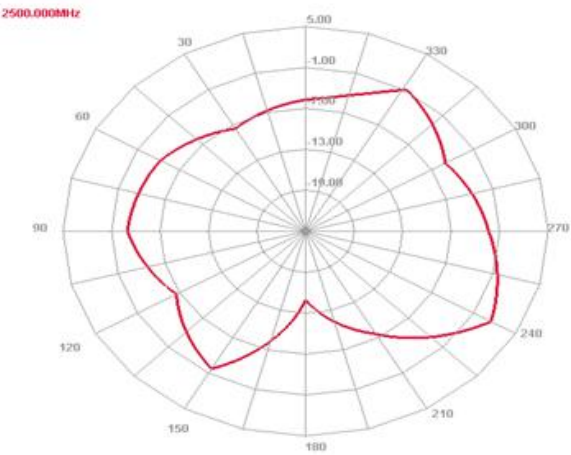
2500.000MHz



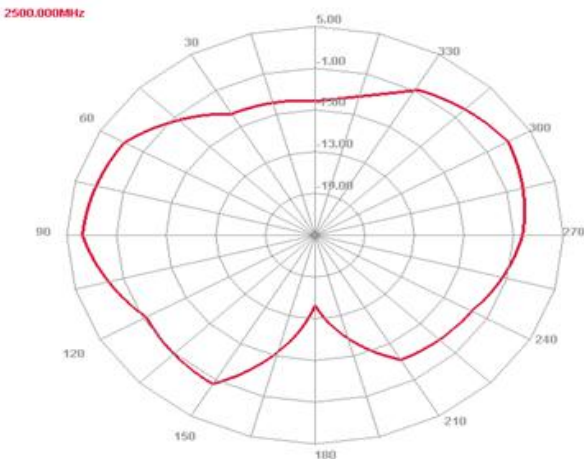
Horizontal



E1 Face



E2 Face



3.1 MECHANICAL CONFIGURATION

The appearance of the antenna is in accordance with drawing 40-SZ2618Q-01

3.2 CONNECTOR TYPE

The connector type is an embedded type.

FIGURE 2:Antenna Configuration

4.0 ENVIRONMENTAL SPECIFICATIONS

环境处理:

无

4.1 TEMPERATURE

Operating Temperature Range: -40°C ~ +85°C

Storage Temperature Range: -40°C ~ +120°C

4.2 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.

4.3 STATIC HUMIDITY TEST

The antenna is subjected to the following test:

Temperatures: +70°C and 90%--95%RH

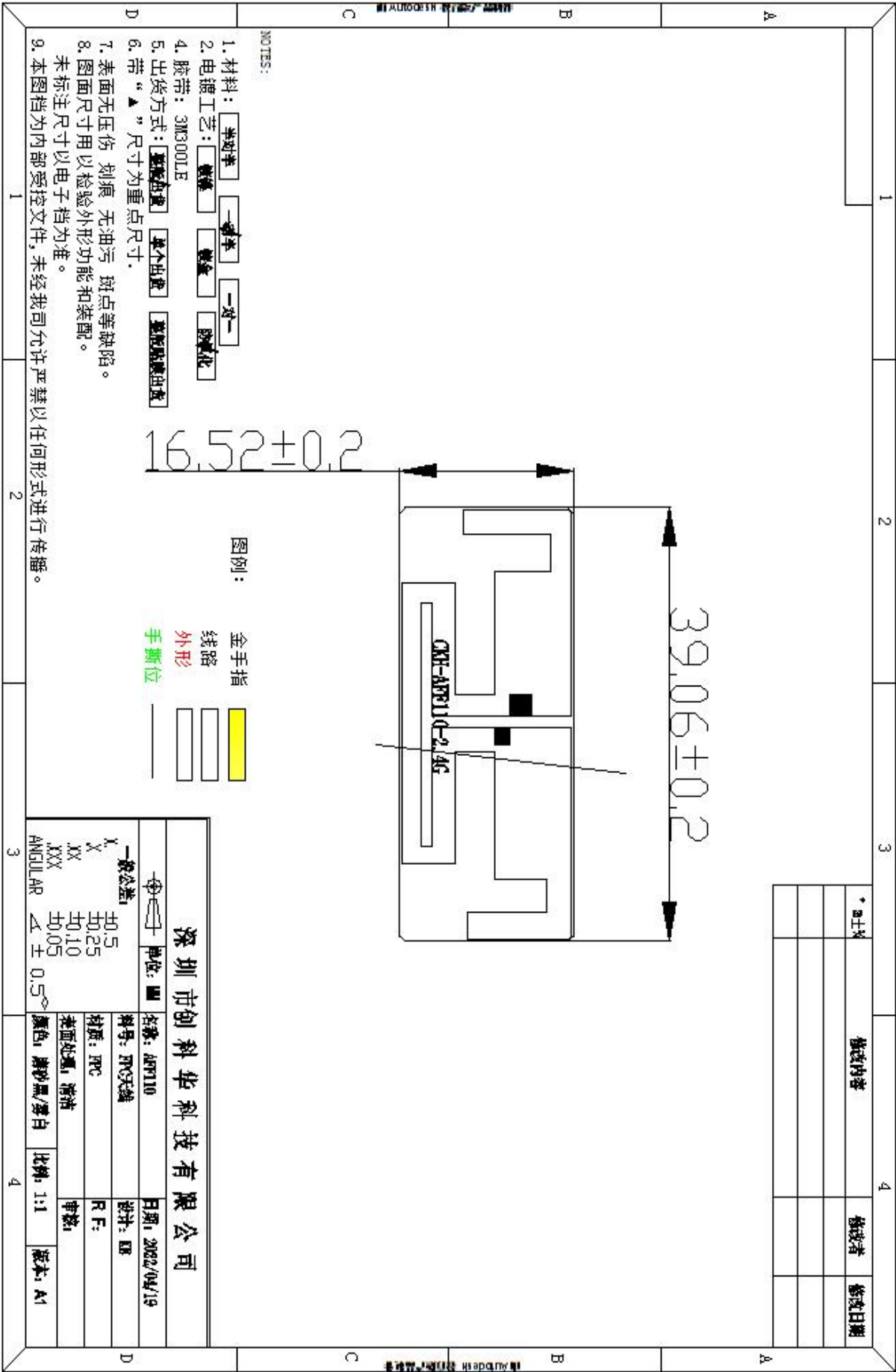
Test Duration: 24 Hours

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

5.0 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.

天线图纸:



同轴线图纸:

