



烽航 H720 WIFI 天线规格承认书

Product Specifications for Approval

物料编号: WF1084B-A70L-A

客户名称: 烽航

机型: H720

天线频段: WIFI2.4G

版本: R-A

制作日期: 2021-03-19

顺达成科技有限公司研发			
结构:	陈巍	射频:	符学荣
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客户确认			
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1. Project information and Electrical Specification

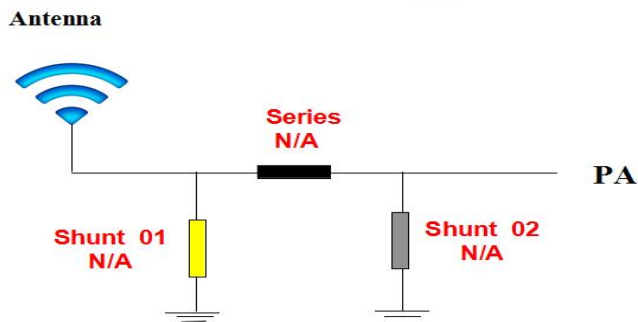
Those specifications were specially defined for 烽航 H720, WiFi, and all characteristics were measured under the model's handset testing jig .

1-1 Antenna picture

1-2 Frequency Band:

Frequency Band	MHz
WIFI2.4G	2400-2500 (MHz)

1-3 Impedance matching



天线原匹配无更改

2.VSWR

Measuring Method:

1. A 50 Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,
2. Keeping this jig away from metal at least 20cm.

VSWR parameter values

频率 (MHZ)	2400	2450	2500
驻波	1.24	1.33	1.47



3. Efficiency and Gain

*measuring and test instruments:

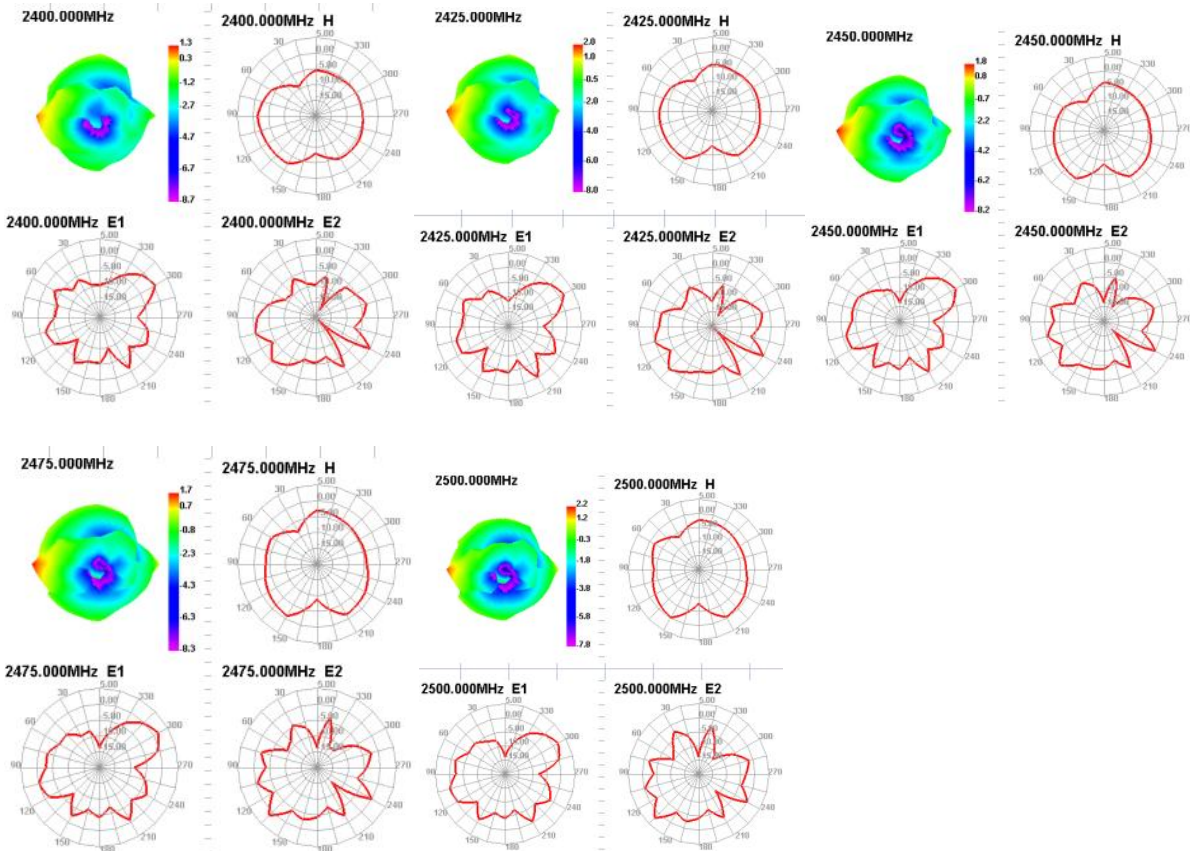
微波暗室, Agilent 网络分析仪, Agilent 频谱分析仪, 8960 综合测试仪, 标准天线

*test method:

equipment 以 H 面放于转台中心位置固定, 与喇叭天线中心位置在同一个水平线上。

Efficiency/Gain-WIFI

Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	37.32	-4.28	1.29	-0.86	0	0	1.29	-19.52	4.28	15	48.23	48.39
2425	44.49	-3.52	1.96	-0.19	0	0	1.96	-19.01	3.52	15	48.32	48.45
2450	43.36	-3.63	1.8	-0.35	0	0	1.8	-17.47	3.63	15	48.74	48.76
2475	43.96	-3.57	1.65	-0.5	0	0	1.65	-18.06	3.57	30	49.07	49
2500	51.44	-2.89	2.24	0.09	0	0	2.24	-16.81	2.89	30	49.2	49.11



4. The production index

天线量产时，以驻波比作为量产测试标准。

根据项目本身的差异,给出如下标准:

频率	量产标准
2400-2500 (MHz)	VSWR (量产产品) < VSWR(设计样品) ± 0.5