



Product Specifications for Approval

Material Number: WF1084B-A70L-A

Customer Name: Feng Hang

Machine type: H720

Antenna Band: WIFI2.4G

edition: R-A

Date of manufacture: 2021-03-19

Address: 4th Floor, Building B5, Xinfu Industrial Park, Zhongqing Road, Fuyong Town, Bao 'an District, Shenzhen

telephone:0755-27211658

fax:0755-29485750

Technical drawing of a cable assembly. The drawing shows a cable with a length of 70 ± 2 mm. The cable is connected to a component labeled "SDC T3 WF". The component has a width of 23.4 ± 0.2 mm and a height of 9.1 ± 0.2 mm. The cable is labeled "Cable" and "FPC". The drawing includes a table with the following information:

REV	DATE	DESCRIPTION
A0	2022.9.5	New Issue

NO	DESCRIPTION	QTY	REMARK
2	Cable ? 1.13 Cable Grey,50Ω	70	
1	FPC FPC-黑油黑字 半对半基材, 做抗氧化处理 3M 9471青胶	1	

XXL	±5	APPROVED	CUSTOMER:
X.	±3.0	符学荣	烽航
X	±1.0	CHECKED	
XX	±0.5	李瑞娜	
XXX	±0.1	DRAWING	

PART NAME:	SDC P/NO :	REV	UNIT	FILE
WiFi天线 (0720) FPC (接印 SDC T3 WF) 1.13 灰色线+OPEN 左 L=70mm	1.1.01.031064			

NO	DESCRIPTION	QTY	REMARK
2	Cable ? 1.13 Cable Grey,50Ω	70	
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1. Project information and Electrical Specification

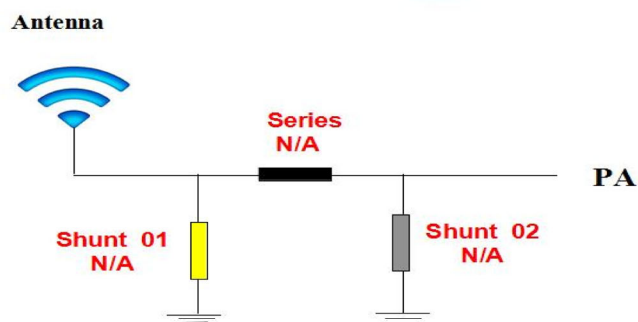
*Those specifications were specially defined for **H720**, **WiFi**, and all characteristics were measured under the model's handset testing jig .*

1-1 Antenna picture

1-2 Frequency Band:

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

1-3 Impedance matching



The original antenna match is unchanged

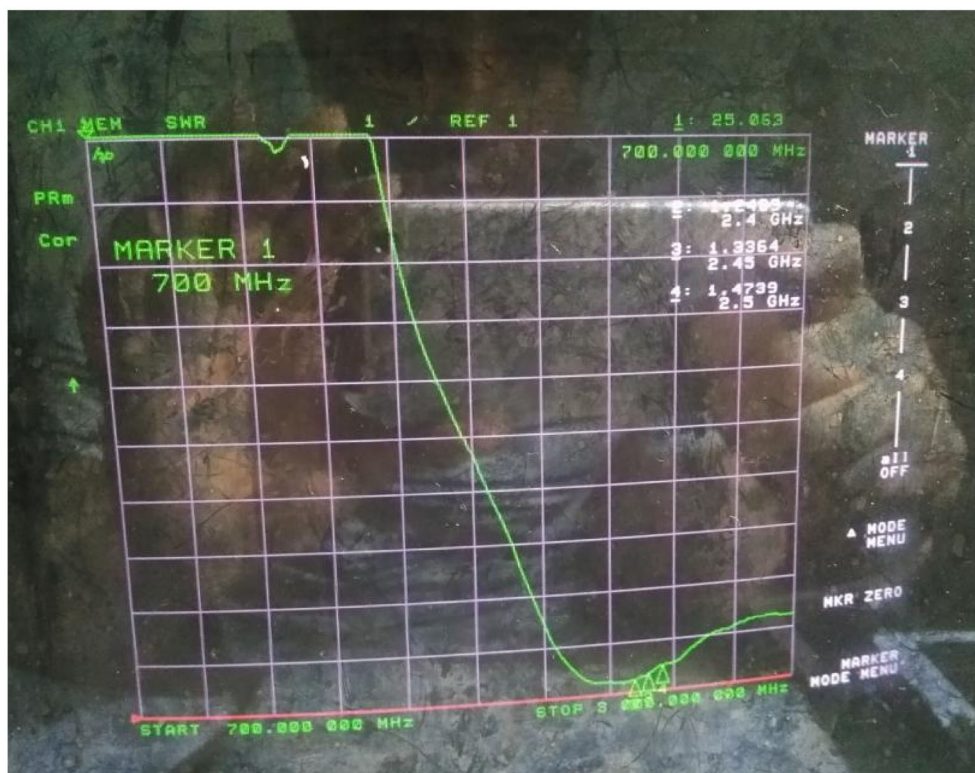
2.VSWR

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

frequency (MHZ)	2400	2450	2500
Standing wave	1.24	1.33	1.47



3. Efficiency and Gain

*measuring and test instruments:

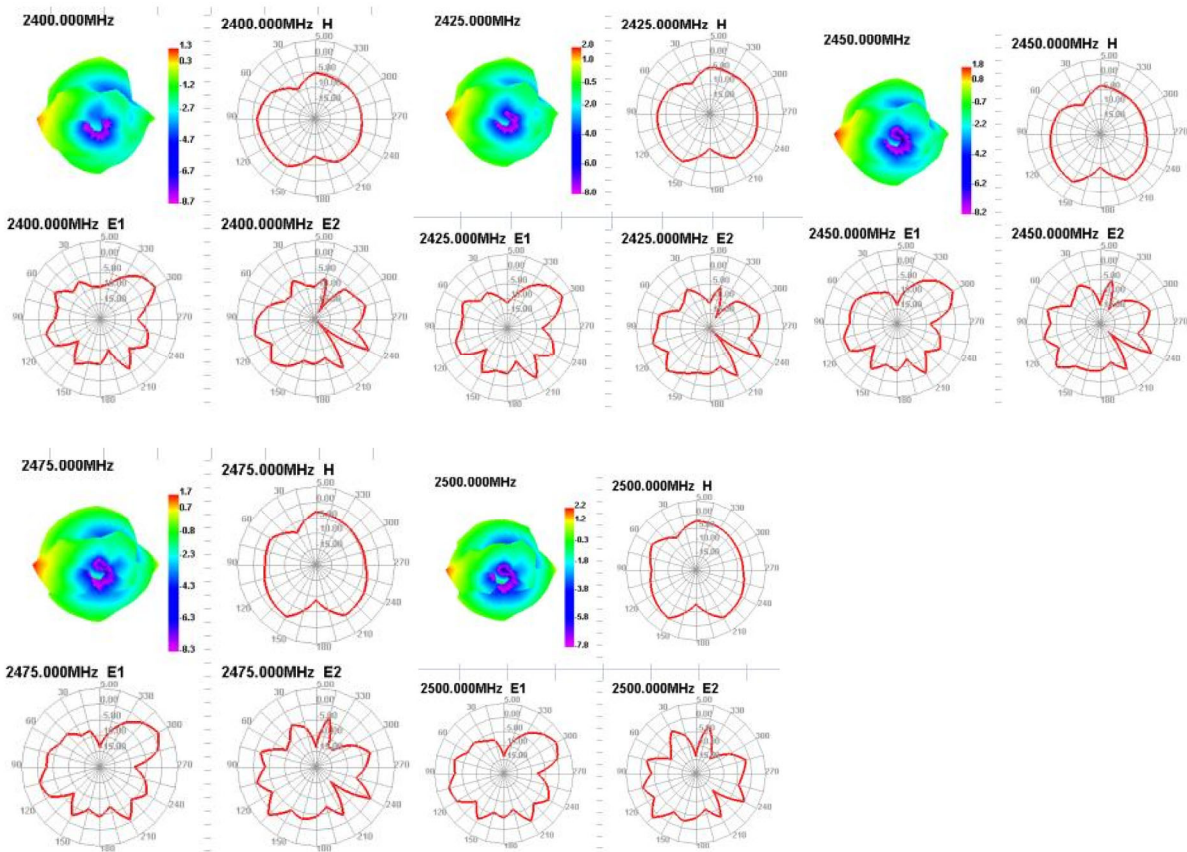
Microwave darkroom, Agilent network analyzer, Agilent spectrum analyzer, 8960 comprehensive tester, standard antenna

*test method:

The equipment is fixed in the center position of the turntable with plane H, and the center position of the horn antenna is on the same horizontal line.

Efficiency/Gain-WIFI

Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dBi)	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

In the mass production of antenna, the standing wave ratio is used as the test standard. According to the differences of the project itself, the following criteria are given:

frequency	Mass production standard
2400-2500 (MHz)	VSWR(Production product) < VSWR (Design sample) +/- 0.5