



**H720 WIFI Acceptance of antenna
specifications
Product Specifications for Approval**

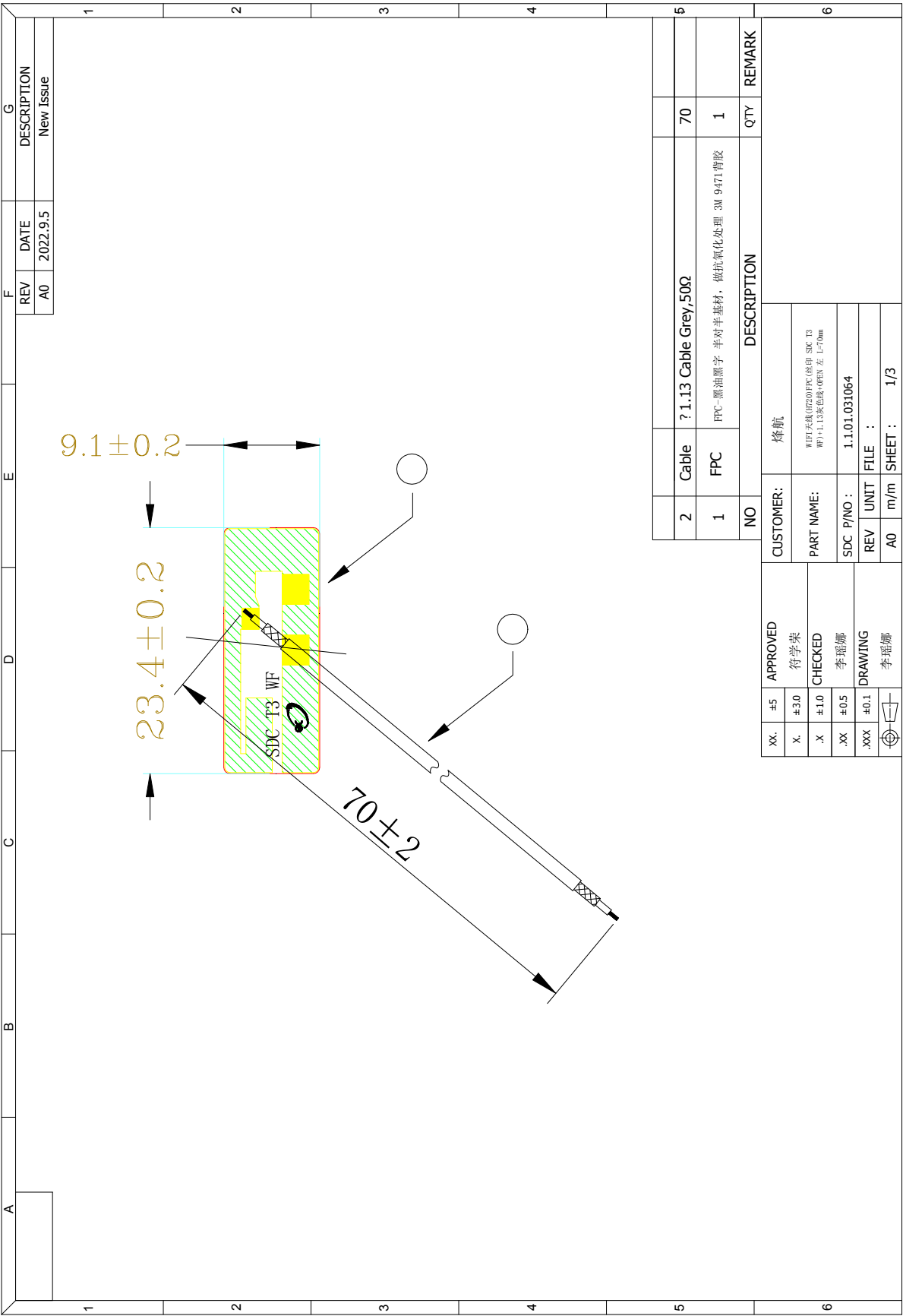
WF1084B-A70L-A

customer name:Fenghang model: H720

Antenna band: WIFI2.4G

version: R-A

date: 2021-03-19



1. Project information and Electrical Specification

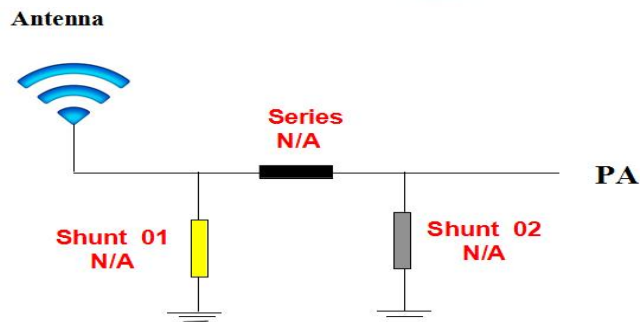
*Those specifications were specially defined for **H720**, **WiFi**, and all characteristics were measured under the model's handset testing jig .*

1-1 Antenna picture

1-2 Frequency Band:

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

1-3 Impedance matching



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

(MHZ)	2400	2450	2500
standing wave	1.24	1.33	1.47



3. Efficiency and Gain

*measuring and test instruments:

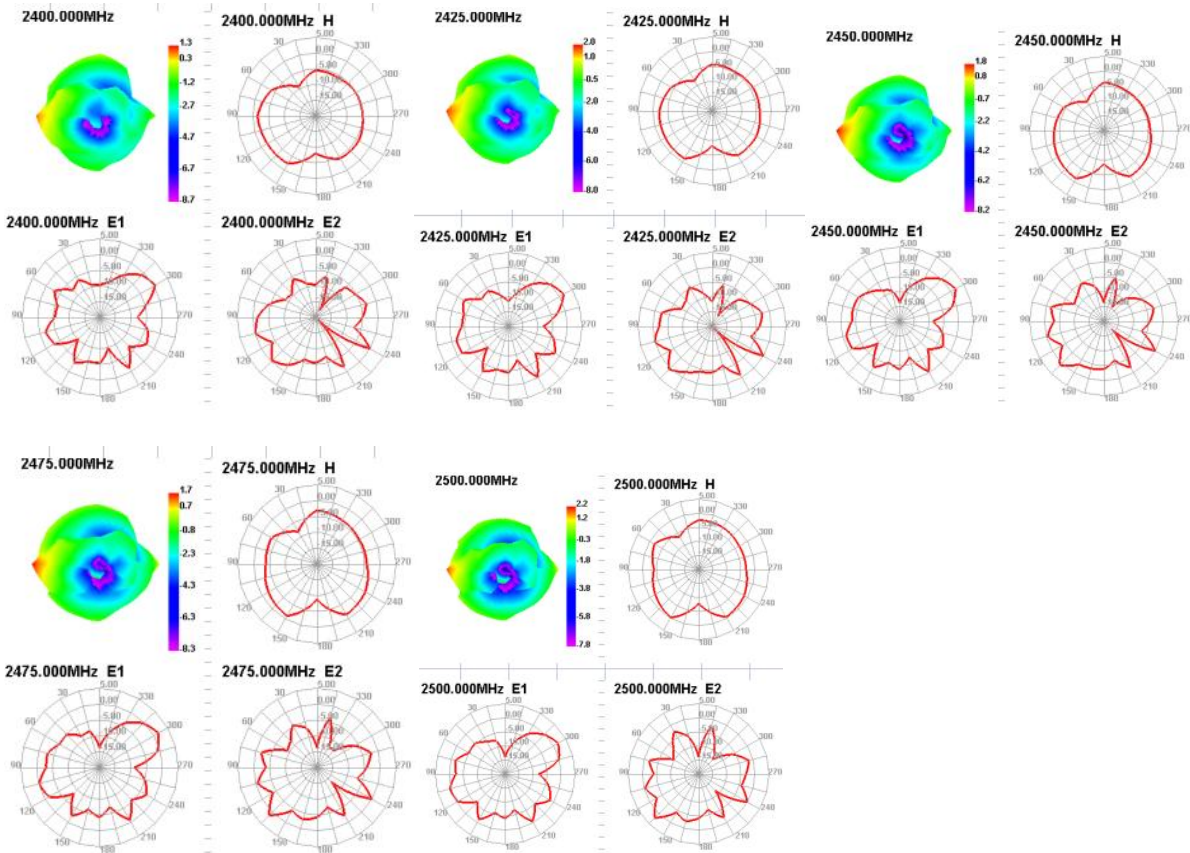
Microwave anechoic chamber, Agilent network analyzer, Agilent spectrum analyzer, 8960 comprehensive tester, standard antenna

*test method:

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

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

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

Frequency	Production standard
2400-2500 (MHz)	VSWR<VSWR+/-0.5