



深圳市固扬通讯技术有限公司
SHENZHEN GUYANG COMMUNICATION TECHNOLOGY CO.,LTD.

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产品规格承认书

Product specifications acknowledgment

制造厂商 : SHENZHEN GUYANG COMMUNICATION TECHNOLOGY CO., LTD

(Manufacturer)

产品名称 : Built-in communication antenna

(Description)

产品型号 : GY-N-WIFI-BK800-V03

(Product Type)



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一、Antenna image



二、Product Features

1. The antenna features an FPC+pin structure;
2. FPC is attached to the product shell;
3. The feeding mode is top needle feeding;

三、Product Parameters

产品名称Name: 内置WiFi 天线Built-in WiFi Antenna		型号 Model Type GY-N-WIFI-BK800-V03	
频率范围 Frequency Range	2400-2500、 5150-5850MHz	尺寸 Dimensions	24*9.7mm
阻抗 Impedence	50 ohm	材质 Material	FPC
工作温度 Working Temperature	-30℃--+70℃	存放温度 Limit Temperature	-30℃--+70℃
增益 Gain	≥ 1dBi	电压驻波比 VSWR	≤3

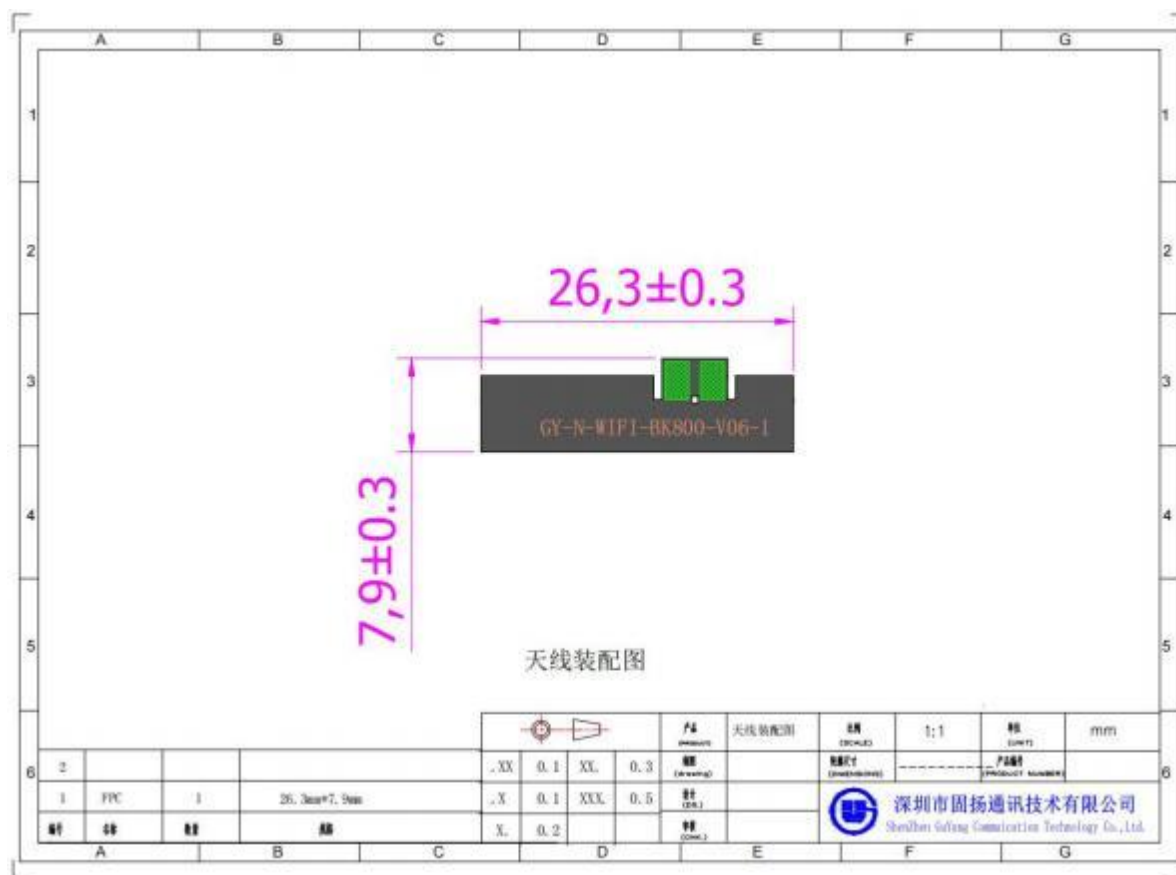
四、Test Environment



3D full-wave darkroom



五、Antenna Assembly Diagram



六、Antenna Data

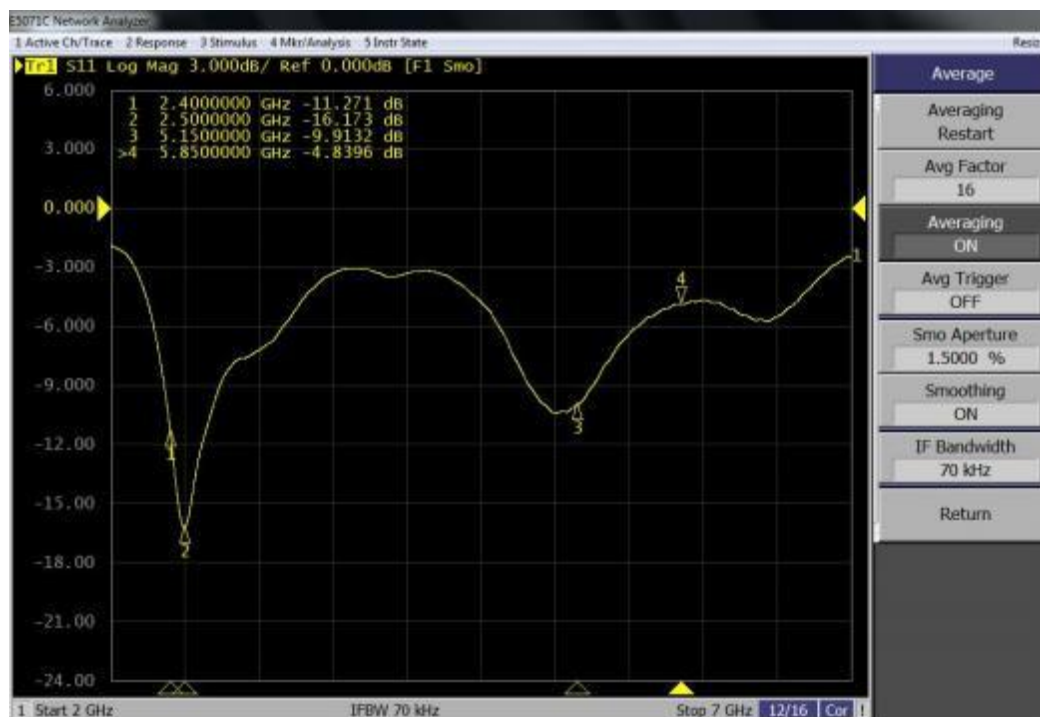
6.1、Passive Test Data

Passive Test For 2400-2500、5150-5850								
Freq	Effi	Gain	Freq	Effi	Gain	Freq	Effi	Gain
(MHz)	(%)	(dBi)	(MHz)	(%)	(dBi)	(MHz)	(%)	(dBi)
2400	41.06	0.01	5320	55.39	1.27	5600	49.13	1.12
2410	39.89	-0.06	5330	53.13	1.07	5610	48.16	1.13
2420	40.61	-0.01	5340	54.49	1.27	5620	50.01	0.98
2430	40.25	-0.11	5350	54.55	1.44	5630	51.73	1.19
2440	43.23	0.09	5360	52.12	1.4	5640	52.91	1.34
2450	45.6	0.16	5370	50.28	1.17	5650	54.29	1.52
2460	47.07	0.11	5380	50.9	1.22	5660	53.86	1.68
2470	46.86	-0.06	5390	51.12	1.19	5670	52.56	1.61
2480	47.71	0.02	5400	53.66	1.31	5680	51.32	1.65
2490	50.15	0.4	5410	54.74	1.45	5690	52.65	1.6



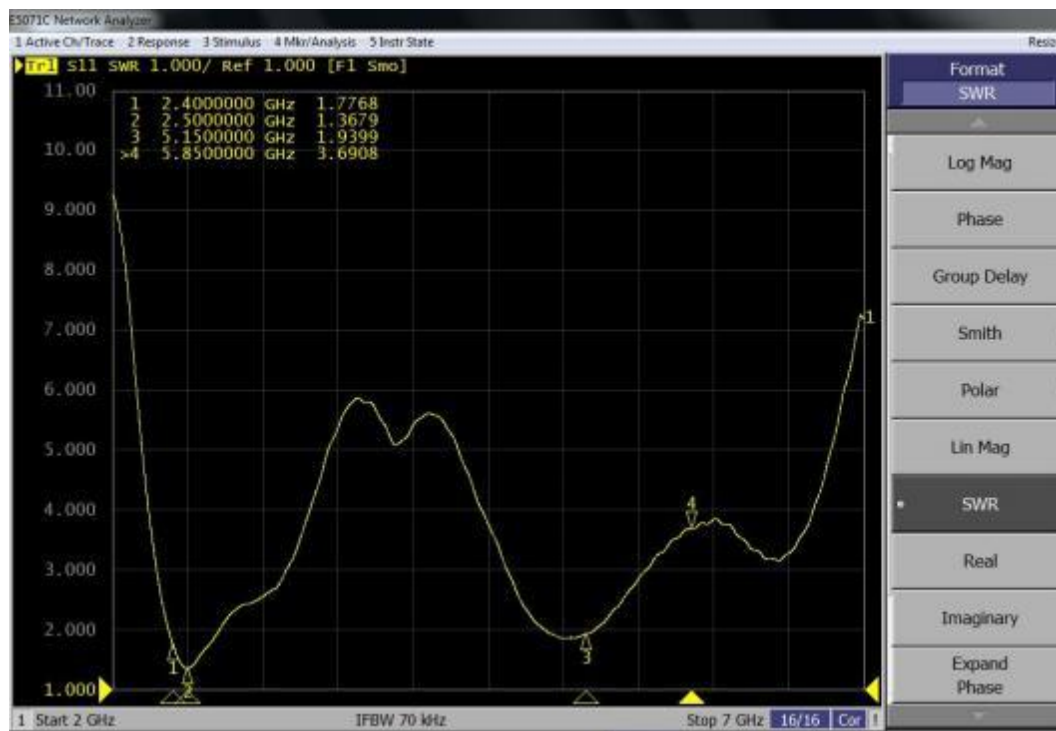
2500	50.11	0.64	5420	56.02	1.62	5700	55.72	1.73
5150	53.68	2.11	5430	51.8	1.4	5710	57.78	1.78
5160	52.15	1.88	5440	51.8	1.46	5720	59.61	2.02
5170	50.64	1.55	5450	50.48	1.11	5730	58.41	2.06
5180	53.81	1.68	5460	51.88	1.08	5740	58.93	1.98
5190	53.81	1.84	5470	51.16	0.85	5750	55.06	1.9
5200	55.45	2.03	5480	55.78	1.26	5760	54.23	1.82
5210	53.21	1.92	5490	54.77	1.26	5770	53.61	1.69
5220	52.28	1.82	5500	54.01	1.36	5780	54.88	1.61
5230	52.15	1.71	5510	50.47	0.97	5790	54.31	1.54
5240	54.95	1.74	5520	50.16	0.9	5800	53.93	1.64
5250	55.68	1.66	5530	48.93	0.91	5810	53.84	1.76
5260	54.41	1.55	5540	51.3	1.03	5820	54.31	2.1
5270	53.82	1.5	5550	53.64	1.06	5830	51.03	1.98
5280	52.35	1.48	5560	53.85	1.1	5840	50.48	1.88
5290	51.59	1.36	5570	51.2	0.98	5850	48.85	1.61
5300	52.82	1.32	5580	52.99	1.28	5860	51.78	1.63
5310	54.39	1.23	5590	51.12	1.24	5870	53.98	1.66

6.2、Echo Loss Diagram





6.3、Voltage Standing Wave Ratio



5.4、Impedance Diagram





6.4、Picture of an Apple

