



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

(Recognized manufacturers)

制造厂商: Shenzhen Guyang Communication Technology Co., Ltd.

(Manufacturer)

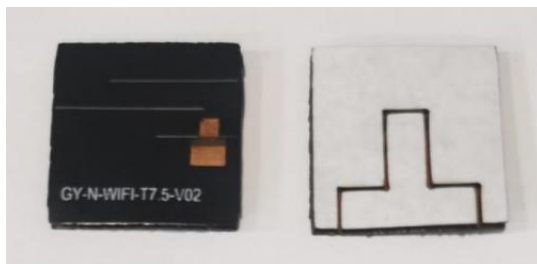
产品名称: Built-in WIFI antenna

(Description)

产品型号: GY-N-WIFI-T7.5-V02

(Product Type)

1、Engineering drawings



Note: The image is for reference only. The actual product should be referred to for details.

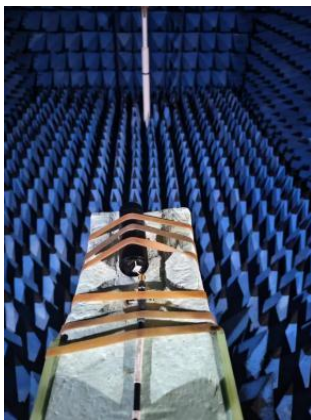
2、product feature

1. The antenna adopts the structure of FPC+ coaxial cable;
2. The FPC is directly bonded onto the product's surface shell;
3. The power supply method is IPEX.

3、Product Specifications

产品名称 Name	Built-in WiFi antenna	型号 Model Type	GY-N-WIFI-T7.5-V02
频率范围 Frequency Range	2400~2500 MHz	尺寸 Dimensions (mm)	18.5 × 19.6mm
带宽 Band Width	100(MHz)	材质 Material	FPC + 3M High-Quality Product 9080 Foam Adhesive
工作温度 Working Temperature	-30°C~+85°C	线材 Wire	IPEX Third Generation - RF0.81 - Black L=39MM

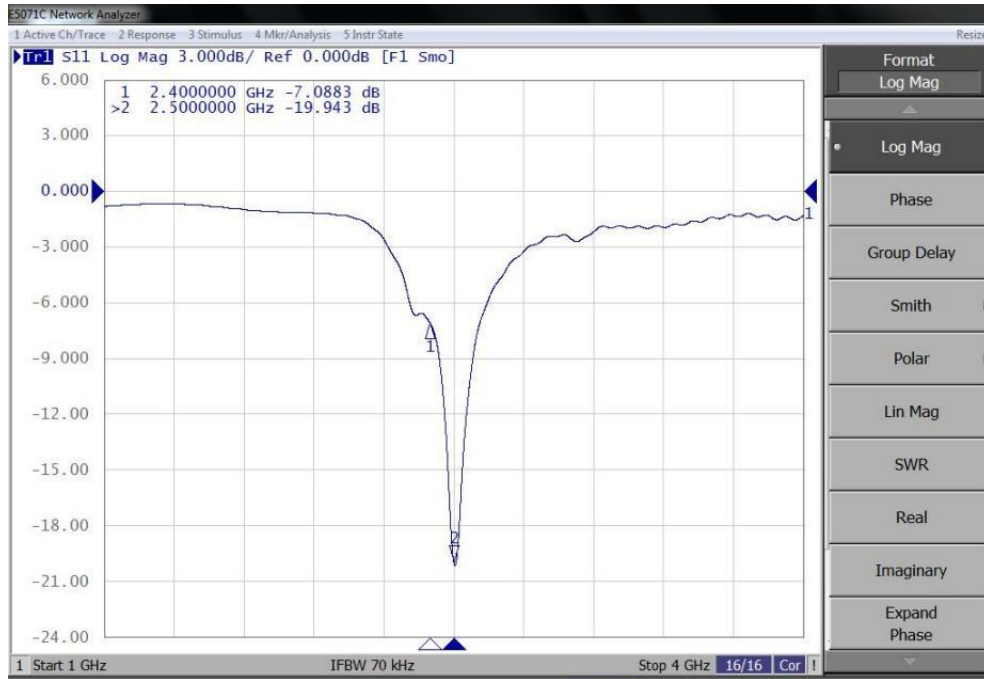
4、Test environment



3D Full-wave Soundproof Chamber



5、Echo Loss

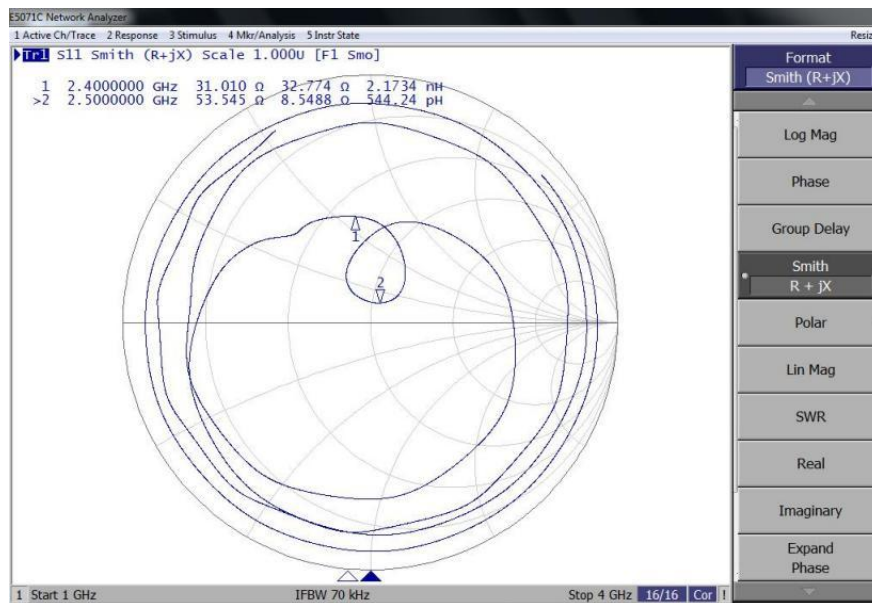


6、Voltage Standing Wave Ratio

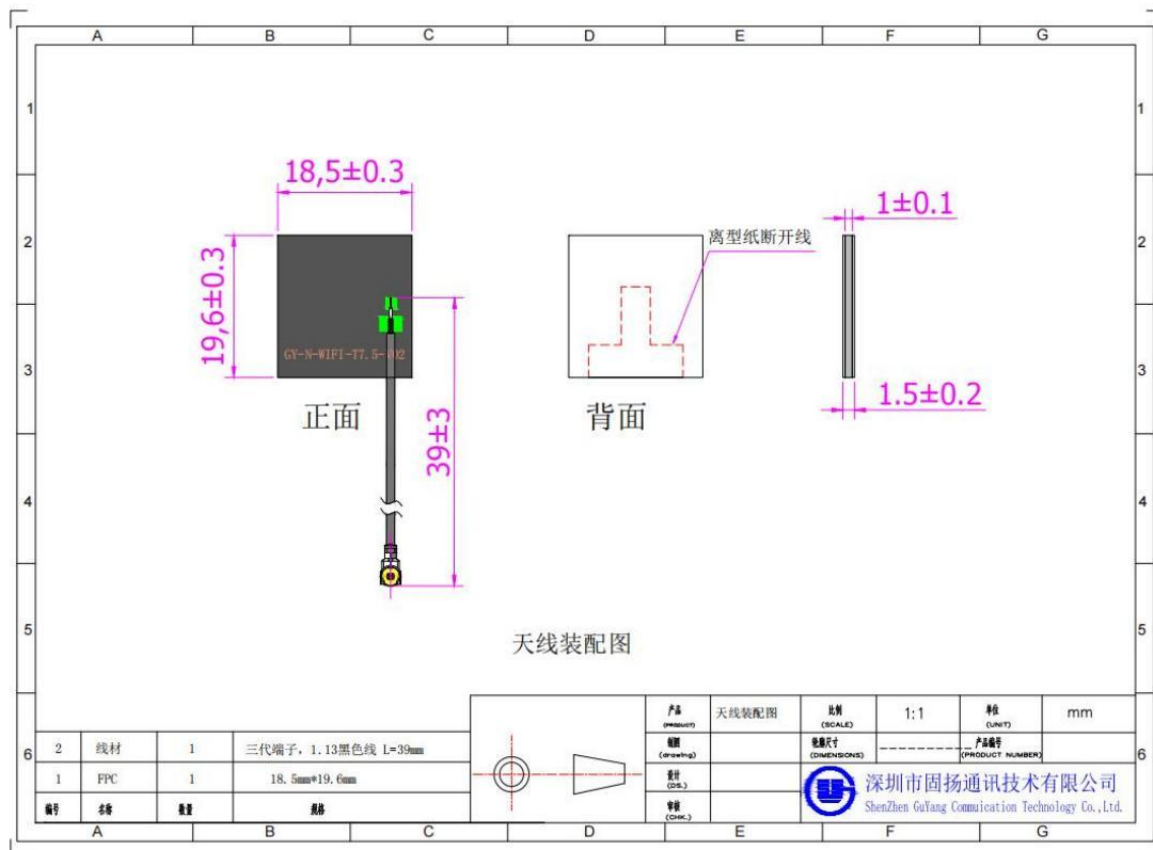




7、Impedance diagram



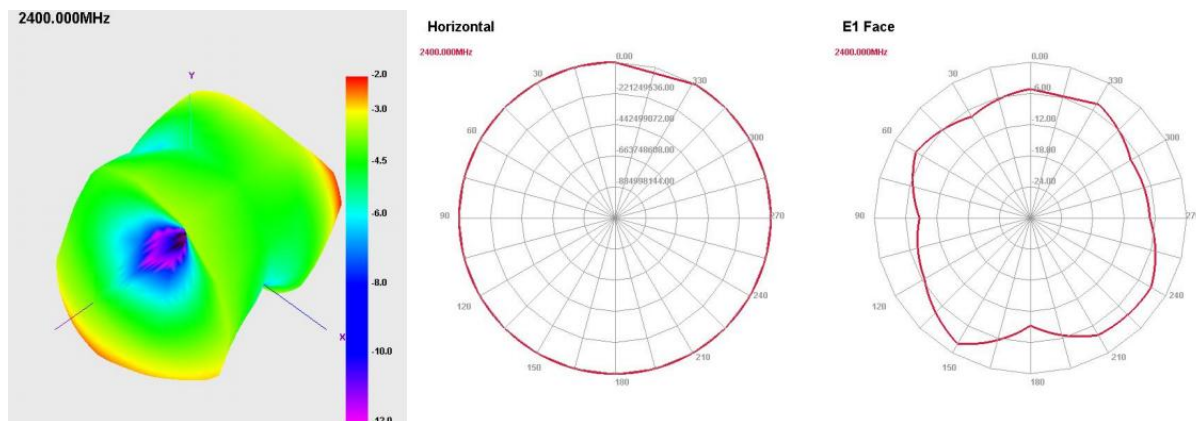
8、Antenna Assemble Diagram



9、Darkroom test data

Passive Test For WIFI2.4G								
Freq (MHz)	Effi (%)	Effi (dB)	Peak Gain (dBi)	AVG Gain (dBd)	Max (dB)	Min (dB)	Directi vity (dBi)	Beamwid th (3dB)
2400	29.17	-5.35	-2	-4.15	-2	-19.19	3.35	0
2405	30.18	-5.2	-1.79	-3.94	-1.79	-18.39	3.41	0
2410	31.66	-5	-1.5	-3.65	-1.5	-18.02	3.5	0
2415	31.58	-5.01	-1.5	-3.65	-1.5	-17.49	3.5	0
2420	32	-4.95	-1.37	-3.52	-1.37	-16.59	3.57	0
2425	34.03	-4.68	-1.01	-3.16	-1.01	-15.21	3.67	0
2430	34.91	-4.57	-0.82	-2.97	-0.82	-14.37	3.75	0
2435	35.87	-4.45	-0.64	-2.79	-0.64	-14.16	3.81	0
2440	37.84	-4.22	-0.35	-2.5	-0.35	-13.72	3.87	0
2445	39.27	-4.06	-0.12	-2.27	-0.12	-13.3	3.94	0
2450	40.74	-3.9	0.06	-2.09	0.06	-12.86	3.96	0
2455	41.07	-3.86	0.1	-2.05	0.1	-12.48	3.96	0
2460	41.63	-3.81	0.13	-2.02	0.13	-12.18	3.94	0
2465	41.98	-3.77	0.2	-1.95	0.2	-12.16	3.97	0
2470	41.84	-3.78	0.2	-1.95	0.2	-12.91	3.98	0
2475	42.51	-3.72	0.24	-1.91	0.24	-13.69	3.96	0
2480	43	-3.67	0.28	-1.87	0.28	-14.74	3.94	0
2485	44.24	-3.54	0.35	-1.8	0.35	-15.75	3.89	0
2490	45.68	-3.4	0.45	-1.7	0.45	-16.65	3.85	0
2495	46.04	-3.37	0.39	-1.76	0.39	-17.25	3.76	0
2500	46.06	-3.37	0.36	-1.79	0.36	-17.41	3.72	0

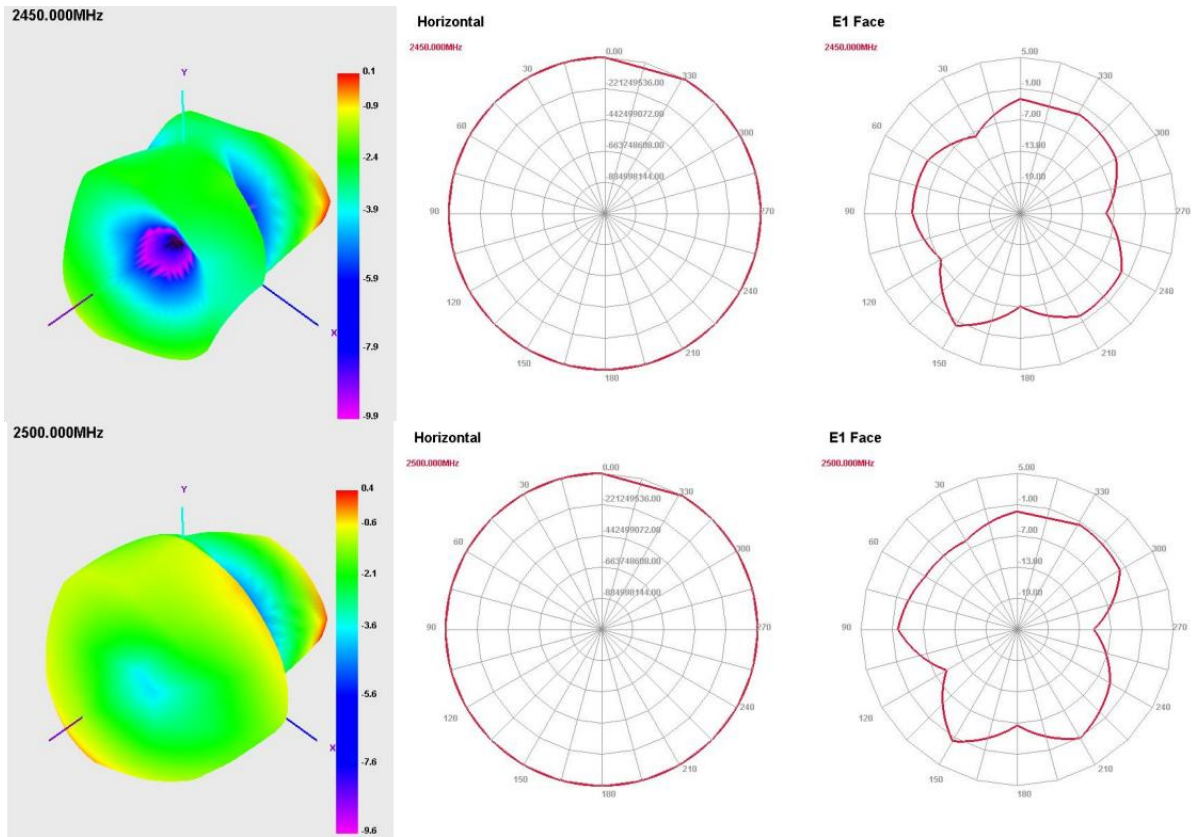
10、2D or 3D Pattern plots





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