

Product specifications acknowledgment

Recognized manufacturers: _____

Manufacturer: ShenZhen GuYang Commuication Technology Co.,Ltd.

Description: WiFi antenna

Product Type: GY-N-WIFI-BK800-V06-1

Supplier acknowledge signature bar		
Lister	Reviewers	Approved

That customers signature bar	
Reviewers	Approved

一、 Product features

1. The antenna adopts the structure of FPC+top pin;
2. The FPC is attached to the product's surface shell;
3. The power supply method is pin-type feeding;

二、 Product parameters

Name	WiFi antenna	Model Type	GY-N-WIFI-BK800-V03
Frequency Range	2400-2500MHz 5150-5850MHz	Dimensions (mm)	24*9.7mm
Band Width	100/700MHz	Material	FPC
Working Temperature	-20℃-+60℃	Polarization	linear
VSWR	≤3	Gain	≥2dBi
Radiation:	Omnidirectional	Impedance	50Ω

三、 The test environment

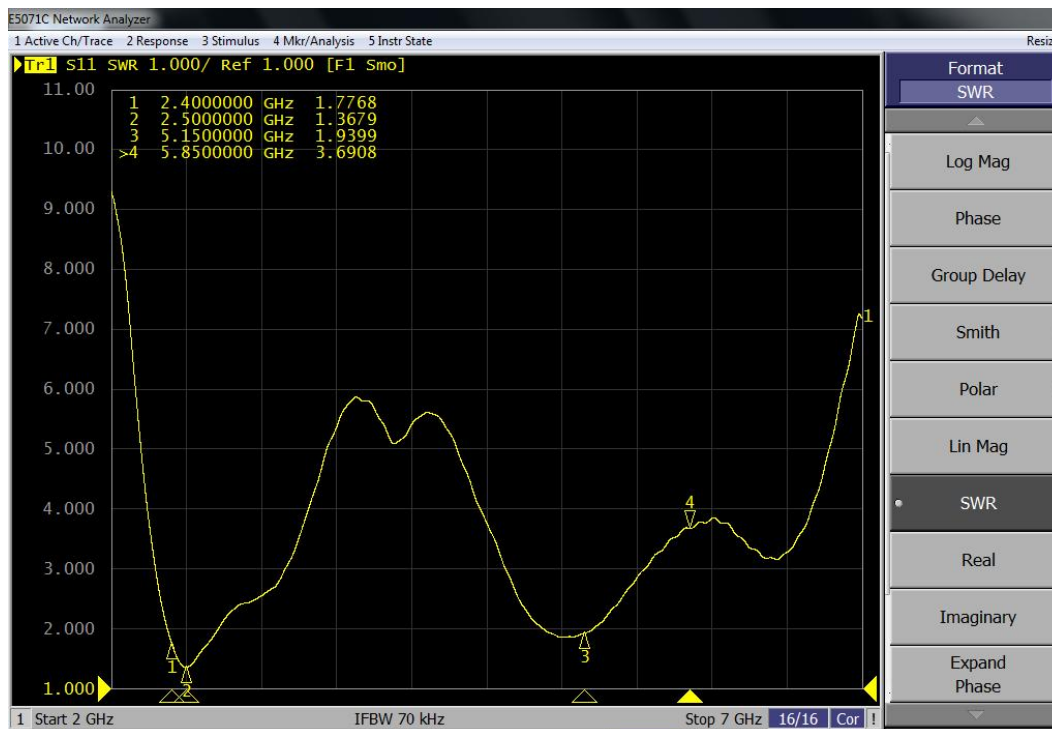


In a 3D full chamber

四、Return loss



五、Voltage standing wave ratio

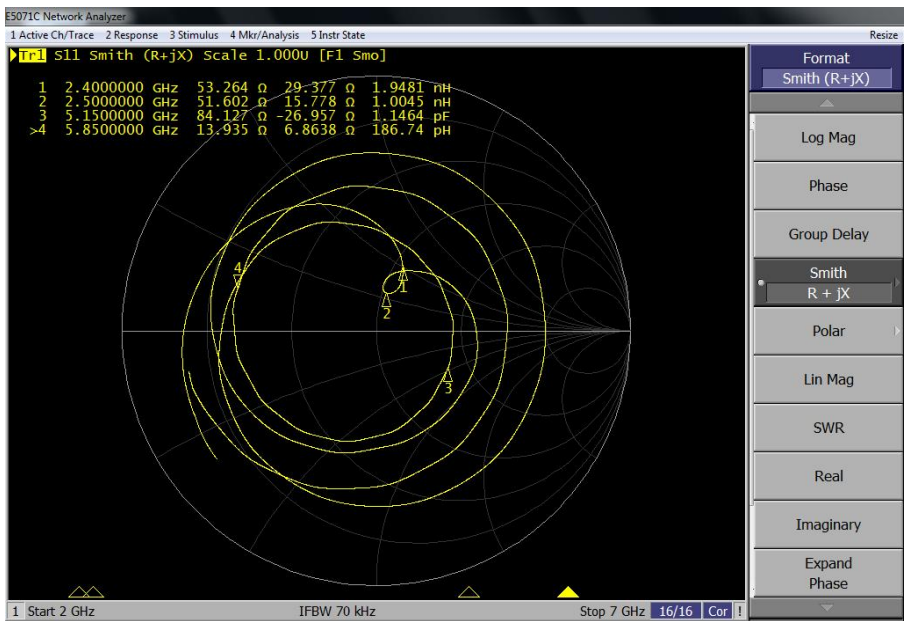


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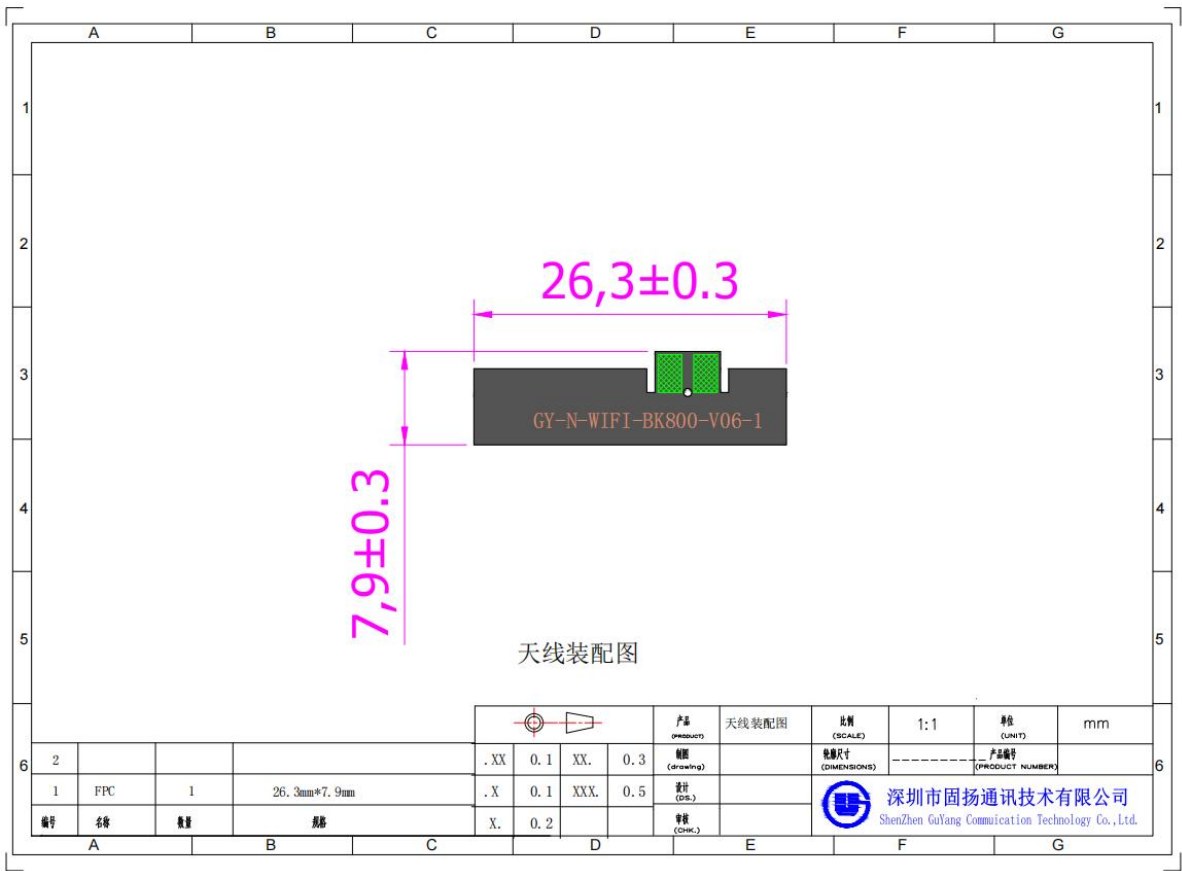
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六、Impedance diagram



七、Structure



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八、Results of test

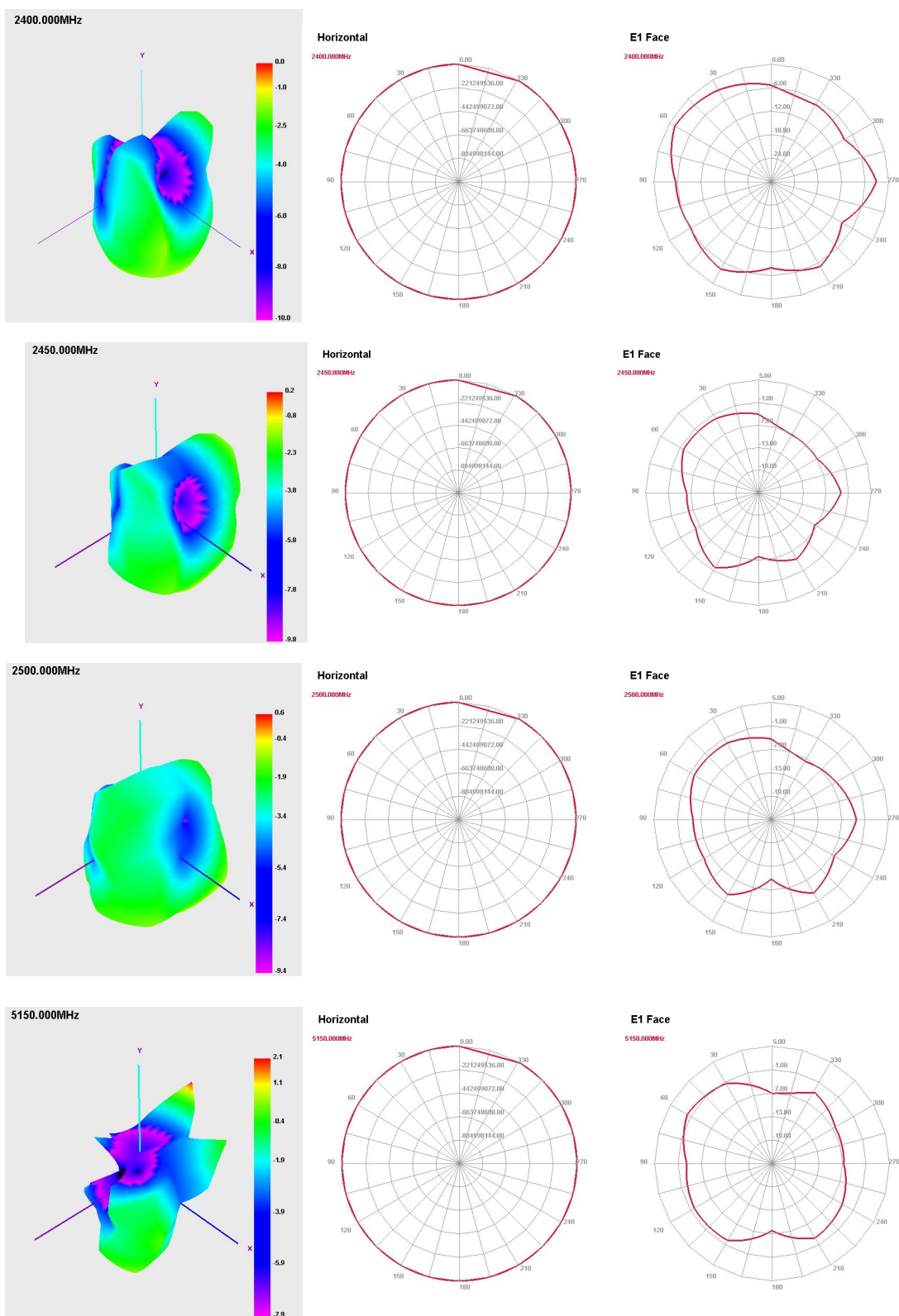
Passive Test For 2400-2500、5150-5850								
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	41.06	0.01	5320	55.39	1.27	5600	49.13	1.12
2410	39.89	-0.06	5330	53.13	1.07	5610	48.16	1.13
2420	40.61	-0.01	5340	54.49	1.27	5620	50.01	0.98
2430	40.25	-0.11	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

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九、Radiation Pattern

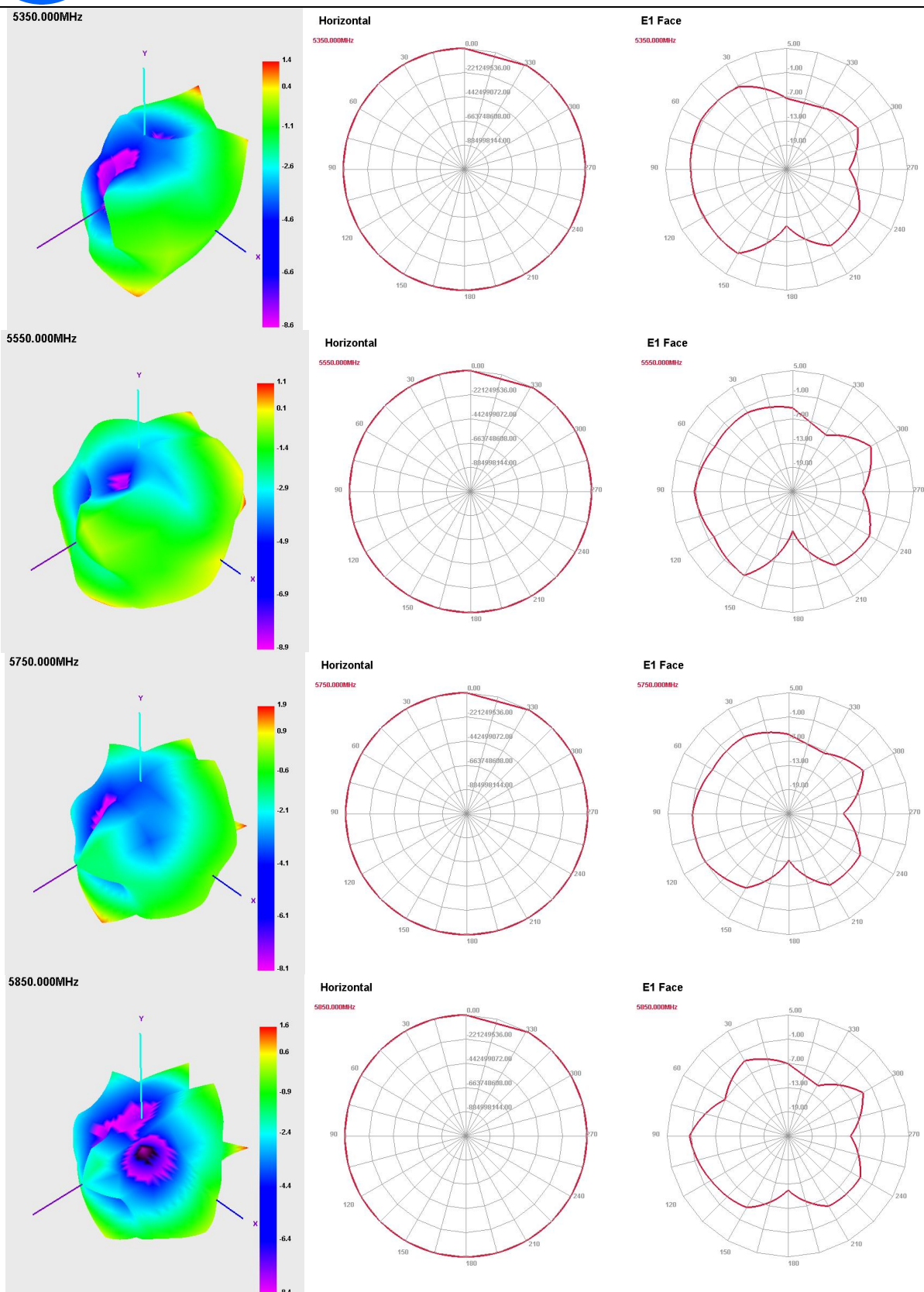


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