

WIFI控制器测试报告



RF Engineer: Henry.LI
Version:2025.5.28

深圳市冠得通电子有限公司

电话: +86-755-88298396

传真: +86-755-89733896

邮箱: szgdt@szgdtrf.com

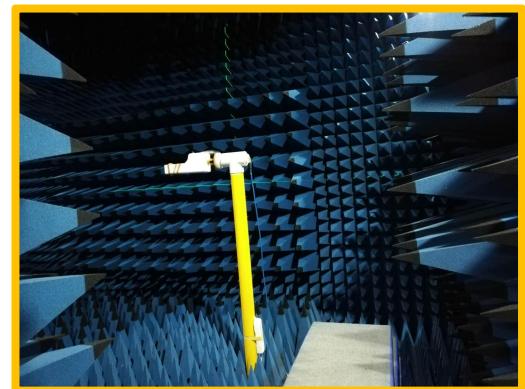
网址: www.szgdtrf.com

地址: 深圳市龙华区观湖街道环观南路茂源工业园D栋3楼



深圳市冠得通电子有限公司
Shzhen Guandetong Electronic Co.,Ltd

测试设备



测试系统	测试环境	有源测试	无源测试
ETS	温度: 22°C ±3°C 湿度: 50% ±15%	支持2G/3G/4G 支持BT/WIFI/GPS	600MHZ——6G

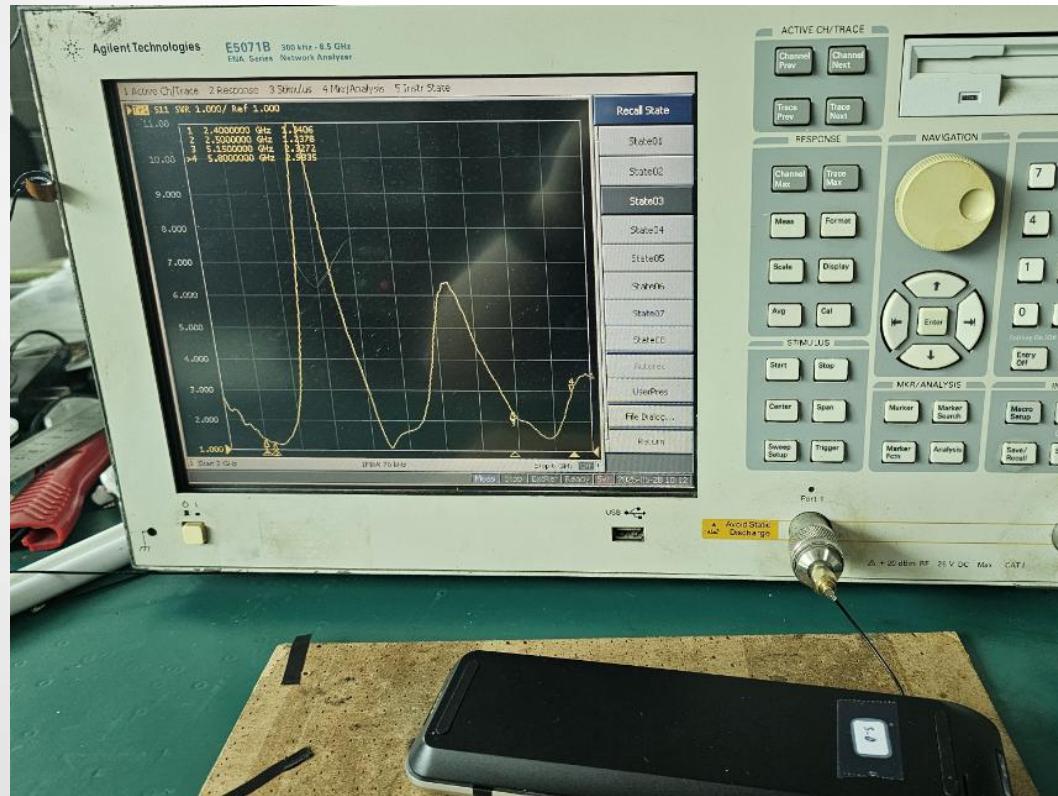


深圳市龙华区观湖街道环观南路茂源工业园D栋3楼

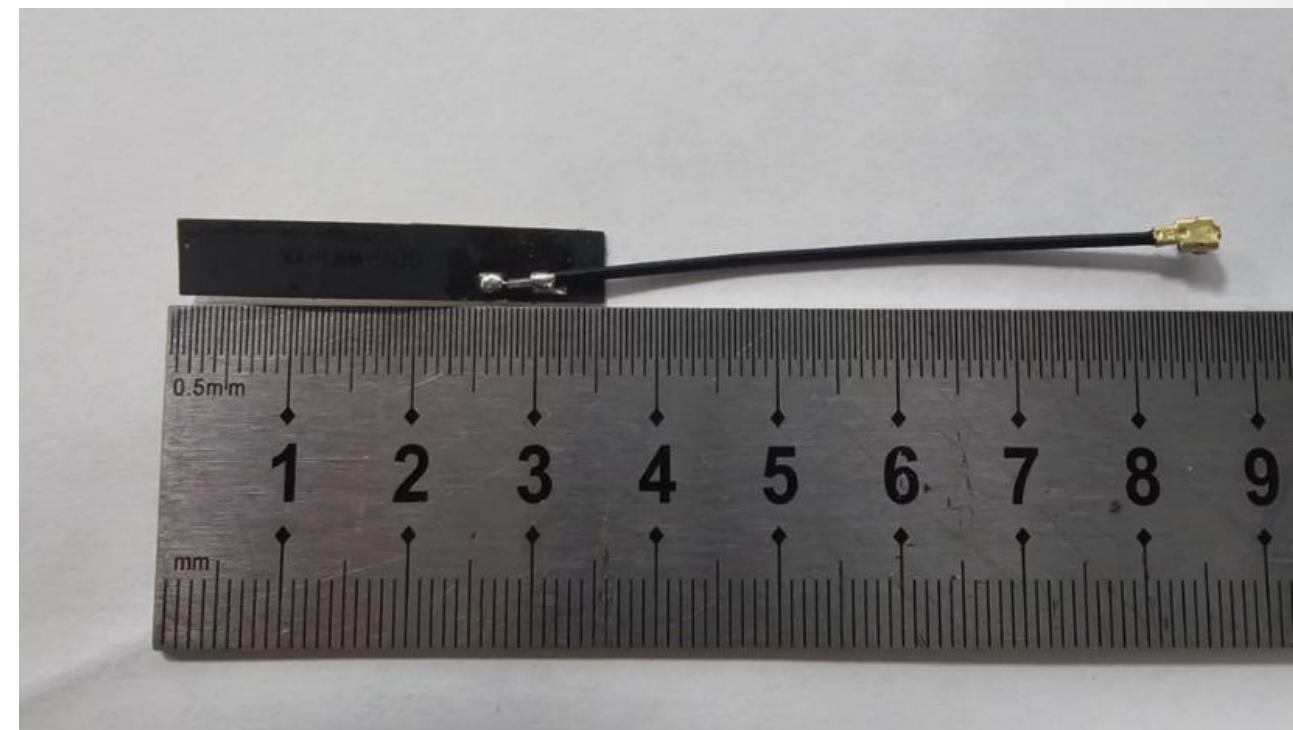


<http://www.szgdtrf.com>

天线频率和助波比

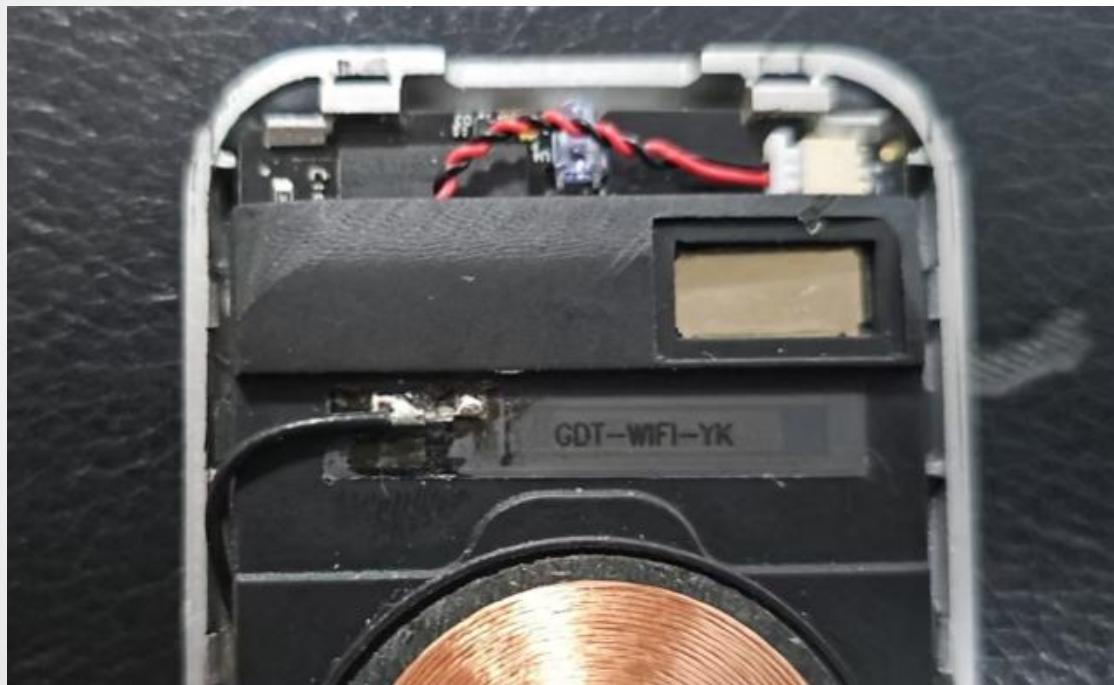


天线规格和图片



2.4G FPC天线1.13黑 线长60MM
带端子 (GDT-WIFI-YK)

新配天线装配位置



天线无源测试数据

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dBi)	Efficiency (%)	Efficiency (dB)	Max (dBm)	Theta of Max	Phi of Max	Min (dBm)	Theta of Min	Phi of Min	Avg (dBm)	Max/Min (dB)	Max/Avg (dB)	Min/Avg (dB)
1	2400.0	2400.00	1.19	4.74	44.1%	-3.56	1.19	90	315	-95.99	0	0	-4.47	97.18	5.66	-91.52
2	2410.0	2410.00	1.46	4.94	44.9%	-3.48	1.46	75	15	-95.99	0	0	-4.22	97.45	5.68	-91.77
3	2420.0	2420.00	1.97	5.29	46.5%	-3.32	1.97	90	270	-95.99	0	0	-3.86	97.96	5.83	-92.13
4	2430.0	2430.00	2.70	5.58	51.5%	-2.88	2.70	90	270	-95.99	0	0	-3.31	98.69	6.02	-92.68
5	2440.0	2440.00	2.76	5.58	52.2%	-2.82	2.76	75	330	-95.99	0	0	-3.56	98.75	6.12	-92.63
6	2450.0	2450.00	2.76	5.60	52.0%	-2.84	2.76	75	330	-95.99	0	0	-3.41	98.75	6.17	-92.58
7	2460.0	2460.00	2.94	5.63	53.9%	-2.69	2.94	75	345	-95.99	0	0	-3.29	98.93	6.23	-92.70
8	2470.0	2470.00	2.81	5.40	55.1%	-2.59	2.81	75	345	-95.99	0	0	-3.41	98.80	6.22	-92.58
9	2480.0	2480.00	2.24	4.97	53.4%	-2.72	2.24	90	255	-95.99	0	0	-3.93	98.23	6.17	-92.06
10	2490.0	2490.00	2.28	4.97	53.8%	-2.69	2.28	90	240	-95.99	0	0	-3.98	98.27	6.26	-92.01
11	2500.0	2500.00	2.15	4.96	52.4%	-2.81	2.15	90	240	-95.99	0	0	-4.16	98.14	6.32	-91.83
12	5000.0	5000.00	-1.13	4.02	30.5%	-5.15	-1.13	105	300	-95.99	0	0	-5.78	94.86	4.66	-90.21
13	5020.0	5020.00	-1.22	3.90	30.8%	-5.12	-1.22	105	300	-95.99	0	0	-5.82	94.77	4.60	-90.17
14	5040.0	5040.00	-1.34	3.78	30.8%	-5.12	-1.34	75	300	-95.99	0	0	-5.70	94.65	4.36	-90.29
15	5060.0	5060.00	-0.76	4.13	32.5%	-4.88	-0.76	105	285	-95.99	0	0	-5.19	95.23	4.43	-90.80
16	5080.0	5080.00	-1.30	4.41	26.8%	-5.72	-1.30	105	285	-95.99	0	0	-5.77	94.69	4.46	-90.22
17	5100.0	5100.00	-0.40	4.74	30.6%	-5.14	-0.40	75	285	-95.99	0	0	-4.96	95.59	4.56	-91.03
18	5120.0	5120.00	-0.80	4.64	28.5%	-5.44	-0.80	75	285	-95.99	0	0	-5.46	95.19	4.66	-90.53
19	5140.0	5140.00	-0.61	4.73	29.3%	-5.33	-0.61	75	285	-95.99	0	0	-5.28	95.38	4.68	-90.71
20	5160.0	5160.00	-0.31	4.71	31.5%	-5.01	-0.31	90	30	-95.99	0	0	-5.20	95.68	4.90	-90.79
21	5180.0	5180.00	-0.04	4.75	33.2%	-4.79	-0.04	90	30	-95.99	0	0	-5.05	95.95	5.00	-90.94
22	5200.0	5200.00	0.40	4.36	40.2%	-3.96	0.40	90	30	-95.99	0	0	-4.61	96.39	5.01	-91.38
23	5220.0	5220.00	-0.25	4.19	35.9%	-4.44	-0.25	90	30	-95.99	0	0	-5.24	95.74	4.98	-90.75
24	5240.0	5240.00	0.15	4.43	37.3%	-4.28	0.15	90	345	-95.99	0	0	-5.05	96.14	5.21	-90.94
25	5260.0	5260.00	0.09	4.93	32.8%	-4.84	0.09	90	0	-95.99	0	0	-5.25	96.08	5.34	-90.74
26	5280.0	5280.00	-0.33	4.94	29.7%	-5.27	-0.33	90	0	-95.99	0	0	-5.66	95.66	5.33	-90.33
27	5300.0	5300.00	-0.62	5.07	27.0%	-5.69	-0.62	90	345	-95.99	0	0	-6.01	95.37	5.39	-89.98
28	5320.0	5320.00	-0.81	4.78	27.6%	-5.59	-0.81	90	345	-95.99	0	0	-6.25	95.18	5.44	-89.74
29	5340.0	5340.00	-0.98	4.95	25.5%	-5.93	-0.98	90	345	-95.99	0	0	-6.50	95.01	5.52	-89.49
30	5360.0	5360.00	-1.17	4.84	25.1%	-6.01	-1.17	90	345	-95.99	0	0	-6.56	94.82	5.39	-89.43
31	5380.0	5380.00	-1.29	4.93	23.9%	-6.22	-1.29	90	345	-95.99	0	0	-6.61	94.70	5.31	-89.38
32	5400.0	5400.00	-1.07	4.95	25.0%	-6.01	-1.07	105	240	-95.99	0	0	-6.30	94.92	5.24	-89.69
33	5420.0	5420.00	-0.71	5.21	25.6%	-5.92	-0.71	105	240	-95.99	0	0	-5.90	95.28	5.19	-90.09
34	5440.0	5440.00	-0.53	5.31	26.1%	-5.84	-0.53	105	240	-95.99	0	0	-5.71	95.46	5.18	-90.28
35	5460.0	5460.00	0.13	5.42	29.5%	-5.30	0.13	105	240	-95.99	0	0	-5.13	96.12	5.25	-90.86
36	5480.0	5480.00	-0.03	5.12	30.5%	-5.15	-0.03	105	75	-95.99	0	0	-5.26	95.96	5.23	-90.73
37	5500.0	5500.00	0.76	5.46	33.9%	-4.70	0.76	105	75	-95.99	0	0	-4.93	96.75	5.69	-91.06
38	5520.0	5520.00	0.58	5.54	31.9%	-4.96	0.58	105	75	-95.99	0	0	-5.46	96.57	6.05	-90.53
39	5540.0	5540.00	0.27	5.56	29.6%	-5.29	0.27	105	60	-95.99	0	0	-5.90	96.26	6.17	-90.09
40	5560.0	5560.00	0.15	5.38	30.0%	-5.23	0.15	105	60	-95.99	0	0	-5.96	96.14	6.12	-90.03
41	5580.0	5580.00	-0.25	5.57	26.2%	-5.82	-0.25	105	60	-95.99	0	0	-6.43	95.74	6.18	-89.56
42	5600.0	5600.00	-0.20	5.67	25.9%	-5.87	-0.20	105	60	-95.99	0	0	-6.64	95.79	6.44	-89.35
43	5620.0	5620.00	-0.07	6.00	24.7%	-6.07	-0.07	105	60	-95.99	0	0	-6.62	95.92	6.54	-89.37
44	5640.0	5640.00	0.86	6.07	30.1%	-5.21	0.86	105	60	-95.99	0	0	-5.74	96.85	6.60	-90.25
45	5660.0	5660.00	0.71	5.73	31.5%	-5.02	0.71	105	60	-95.99	0	0	-5.64	96.70	6.35	-90.35
46	5680.0	5680.00	0.56	5.24	34.0%	-4.68	0.56	105	30	-95.99	0	0	-5.55	96.55	6.11	-90.44
47	5700.0	5700.00	1.15	5.43	37.4%	-4.27	1.15	105	45	-95.99	0	0	-4.95	97.14	6.10	-91.04
48	5720.0	5720.00	1.98	5.60	43.4%	-3.63	1.98	105	60	-95.99	0	0	-4.19	97.97	6.17	-91.80
49	5740.0	5740.00	1.88	5.38	44.7%	-3.50	1.88	105	60	-95.99	0	0	-4.18	97.87	6.06	-91.81
50	5760.0	5760.00	1.94	5.49	44.1%	-3.55	1.94	105	105	-95.99	0	0	-4.29	97.92	6.22	-91.70
51	5780.0	5780.00	1.93	5.58	43.1%	-3.65	1.93	105	105	-95.99	0	0	-4.42	97.92	6.35	-91.57
52	5800.0	5800.00	1.17	5.08	40.6%	-3.91	1.17	105	105	-95.99	0	0	-5.00	97.16	6.17	-90.99

联系方式

The geographical position



+86-755-88298396

+86-755-89733896

 szgdt@szgdtrf.com

 www.szgdtrf.com

 深圳市龙华区观湖街道环观南路茂源工业园D栋3楼

严谨

凝聚

探索

创新

