



深圳市锦鸿无线科技有限公司
Shenzhen Jinhong communications
Technology Co., Ltd.

301, Building B1, Weiye Innovation 18 Industrial Zone, next to Baoyuan Road, Nanc
hang Community, Xixiang Sub-district, Bao'an District, Shenzhen

Product Specification

Model: D1

www.szjhw.com

1 . instructions

This report includes several equipment, test environment and test results for the electrical performance of the antenna, as well as structural drawings and inspection reports of the antenna.

2 . Antenna gain

Frequency	Gain(dBi)
LTE B2	4.76
LTE B4	4.76
LTE B5	-0.04
LTE B7	0.72
LTE B66	4.76

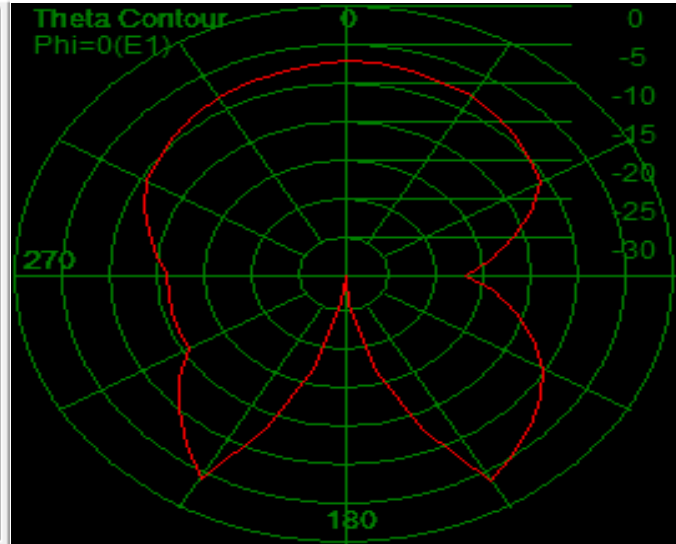
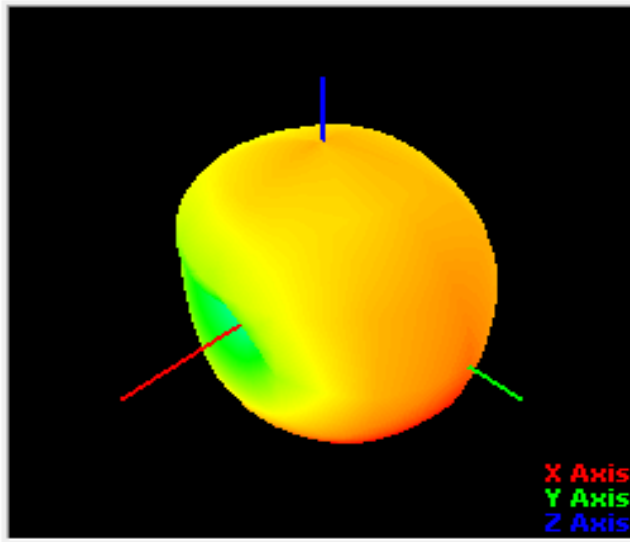
3. Electrical performance test

Test equipment and environment

			
SATIMO-24	ETS		
			
8960	MT8820C	CMW500	E5071C
Testing System	Testing Environment	Active Testing	Passive Testing
SATIMO-24	Temperature: 22°C ± 3°C	i2G/3G/4G	400MHZ—6G
ETS	Humidity: 50% ± 15%	BT/WIFI/GPS	

4. Passive efficiency and Apple chart

Test Point ID	Freq. (MHz)	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	700.0	-1.54	5.83	18.3%	-7.37	-1.54	15000	9000	-50.34	18000	6000	-7.17	48.79	5.63	-43.16
2	800.0	-2.69	4.20	20.5%	-6.89	-2.69	15000	9000	-50.15	18000	12000	-6.56	47.46	3.87	-43.59
3	900.0	-0.04	4.85	32.4%	-4.89	-0.04	15000	6000	-49.89	18000	15000	-4.78	49.84	4.74	-45.10
4	1000.0	-1.99	4.94	20.3%	-6.92	-1.99	15000	6000	-48.21	18000	9000	-6.50	46.23	4.52	-41.71
5	1100.0	-3.53	4.96	14.2%	-8.49	-3.53	15000	6000	-47.34	18000	9000	-7.96	43.82	4.44	-39.38
6	1200.0	-6.16	5.64	6.6%	-11.81	-6.16	15000	6000	-50.25	18000	0	-11.33	44.08	5.16	-38.92
7	1300.0	-16.71	4.25	0.8%	-20.96	-16.71	15000	0	-50.70	18000	3000	-20.56	33.99	3.85	-30.13
8	1400.0	-13.71	4.94	1.4%	-18.65	-13.71	15000	6000	-53.51	18000	9000	-18.68	39.80	4.97	-34.83
9	1500.0	-7.73	4.38	6.1%	-12.11	-7.73	15000	3000	-56.02	18000	0	-12.19	48.29	4.46	-43.83
10	1600.0	-1.88	5.47	18.4%	-7.35	-1.88	15000	3000	-52.93	18000	3000	-7.25	51.05	5.38	-45.67
11	1700.0	2.87	7.26	36.4%	-4.39	2.87	15000	3000	-45.78	18000	3000	-4.56	48.66	7.43	-41.23
12	1800.0	4.76	7.20	57.1%	-2.43	4.76	15000	3000	-47.67	18000	15000	-2.60	52.43	7.36	-45.07
13	1900.0	1.50	4.09	55.0%	-2.60	1.50	15000	3000	-45.14	18000	3000	-2.88	46.64	4.38	-42.26
14	2000.0	2.53	4.65	61.4%	-2.12	2.53	60	330	-44.68	18000	9000	-2.65	47.21	5.18	-42.03
15	2100.0	1.90	4.39	56.3%	-2.49	1.90	15000	0	-40.67	18000	0	-2.91	42.57	4.80	-37.76
16	2200.0	1.94	4.39	56.9%	-2.45	1.94	6000	6000	-40.29	18000	3000	-2.76	42.23	4.71	-37.52
17	2300.0	2.98	4.65	68.0%	-1.67	2.98	60	330	-42.42	18000	3000	-1.99	45.39	4.97	-40.42
18	2400.0	2.12	4.72	55.0%	-2.60	2.12	60	330	-44.72	18000	9000	-2.88	46.84	5.01	-41.83
19	2500.0	0.39	4.35	40.2%	-3.96	0.39	60	330	-48.78	18000	3000	-4.11	49.18	4.50	-44.67
20	2600.0	0.72	3.83	48.9%	-3.10	0.72	6000	3000	-36.12	18000	0	-3.34	36.85	4.07	-32.78
21	2700.0	0.60	4.02	45.5%	-3.42	0.60	15000	9000	-42.98	18000	12000	-3.47	43.59	4.08	-39.51



5. Engineering drawings

