



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

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Product Specification

Model: D3

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	3.02
LTE B4	3.08
LTE B5	0.53
LTE B7	2.84
LTE B66	3.08

3. Electrical performance test

Test equipment and environment



SATIMO-24



ETS



8960



MT8820C



CMW500

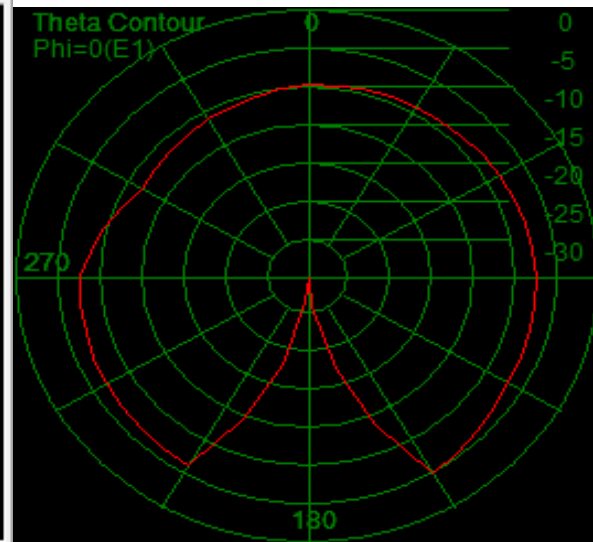
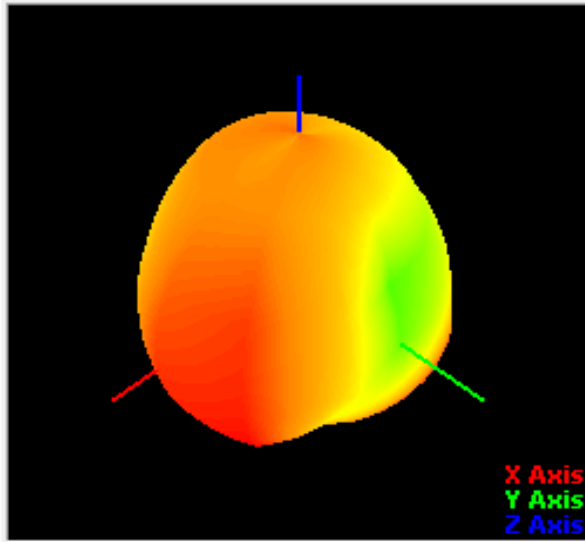


E5071C

Testing System	Testing Environment	Active Testing	Passive Testing
SATIMO—24	Temperature : 22°C ± 3°C	f2G/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	-4.20	5.03	11.9%	-9.23	-4.20	15000	12000	-46.16	18000	12000	-9.15	41.96	4.95	-37.02
2	800.0	-2.15	4.57	21.3%	-6.72	-2.15	15000	12000	-48.54	18000	0	-6.39	46.39	4.23	-42.15
3	900.0	0.53	4.74	37.9%	-4.21	0.53	15000	12000	-53.70	18000	6000	-4.07	54.22	4.60	-49.62
4	1000.0	-1.28	5.62	20.4%	-6.90	-1.28	15000	3000	-51.93	18000	12000	-6.53	50.65	5.24	-45.40
5	1100.0	-5.97	4.74	8.5%	-10.71	-5.97	15000	3000	-46.96	18000	3000	-10.05	40.99	4.08	-36.91
6	1200.0	-22.41	4.00	0.2%	-26.41	-22.41	150	270	-45.25	18000	9000	-26.88	22.84	4.47	-18.37
7	1300.0	-11.57	5.25	2.1%	-16.82	-11.57	15000	6000	-56.31	18000	15000	-16.49	44.74	4.92	-39.82
8	1400.0	-5.75	6.21	6.4%	-11.96	-5.75	15000	6000	-50.83	18000	12000	-11.65	45.07	5.90	-39.18
9	1500.0	-1.58	4.79	23.1%	-6.36	-1.58	3000	9000	-47.10	18000	15000	-6.21	45.52	4.63	-40.89
10	1600.0	-2.74	5.21	16.0%	-7.95	-2.74	15000	9000	-46.56	18000	6000	-8.04	43.83	5.31	-38.52
11	1700.0	3.08	4.73	68.3%	-1.65	3.08	15000	9000	-48.73	18000	3000	-1.63	51.81	4.71	-47.10
12	1800.0	3.02	4.62	69.3%	-1.60	3.02	150	270	-43.59	18000	3000	-1.61	46.61	4.64	-41.98
13	1900.0	1.45	3.86	57.4%	-2.41	1.45	6000	15000	-48.12	18000	15000	-2.74	49.57	4.19	-45.38
14	2000.0	2.33	5.11	52.6%	-2.79	2.33	6000	15000	-45.29	18000	6000	-3.14	47.61	5.47	-42.14
15	2100.0	2.48	5.36	51.5%	-2.88	2.48	6000	15000	-40.75	18000	12000	-3.32	43.23	5.80	-37.43
16	2200.0	3.41	6.12	53.5%	-2.71	3.41	6000	15000	-43.06	18000	6000	-3.31	46.47	6.71	-39.75
17	2300.0	3.47	5.56	61.8%	-2.09	3.47	6000	15000	-45.03	18000	9000	-2.58	48.50	6.05	-42.45
18	2400.0	2.51	5.44	50.9%	-2.93	2.51	150	240	-41.68	18000	9000	-3.28	44.19	5.79	-38.39
19	2500.0	2.78	6.13	46.2%	-3.36	2.78	6000	15000	-44.76	18000	12000	-3.53	47.54	6.31	-41.23
20	2600.0	2.84	5.48	54.4%	-2.64	2.84	6000	15000	-37.55	18000	6000	-2.64	40.39	5.48	-34.91
21	2700.0	1.52	4.44	51.0%	-2.92	1.52	150	240	-44.50	18000	6000	-2.91	46.02	4.43	-41.60



5. Engineering drawings

