



深圳市德仕勤科技有限公司

天线测试报告

DOSKING Antenna Test Report

Manufacturer: Shenzhen Shengchuan Industrial Co., Ltd

Address: 2nd Floor, Building 4, Hongdu Industrial Park, Lezhujiao, Xixiang, Shenzhen

Shenzhen DESHIQIN Technology Co., Ltd.



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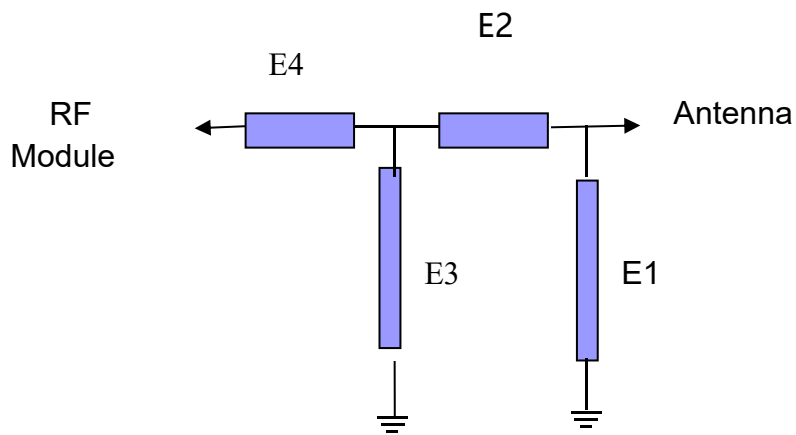
1. Project Overview:

Customer name	博格纳	Project name	W11 (P31)
Machine type	Metal rear shell plate		
Antenna type and frequency band information		Antenna form	Match change
ANT	GPS+WIFI+BT	PIFA	
Diversity antenna	DIV	PIFA	
Antenna material	FPC	Version number	V1.0

2. Main test equipment

1. ETS Chamber 7×4×3(m)(3D booth) / 5×3×3(m)(3D booth), vector network analyzer (passive tester)
2. Network Analyser-8960 /LTE CMW500/8820 supports 2G, 3G, 4G networks. (Active tester)

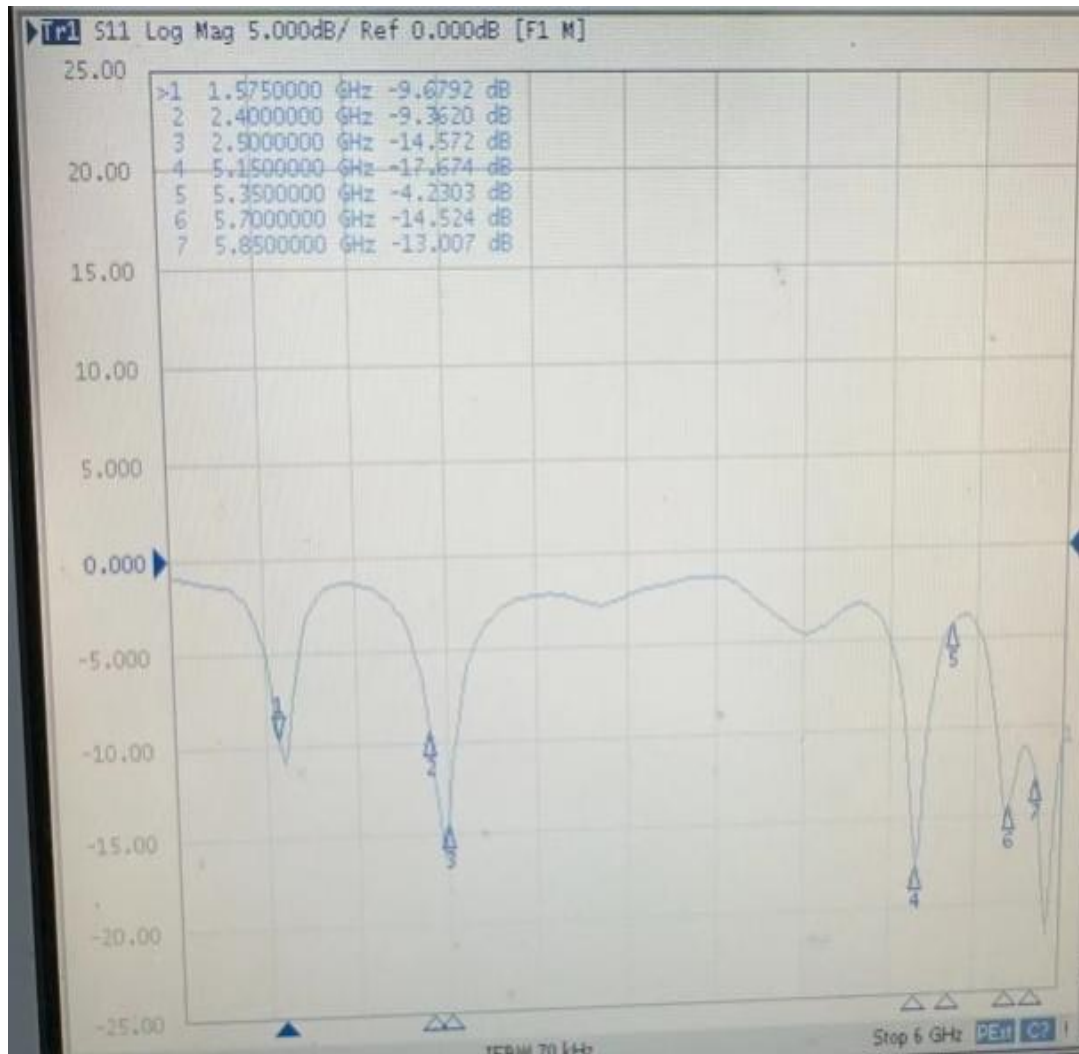
3. Matching Circuit



Element	匹配值	
E1		
E2		
E3		
E4		



Passive parameters of the primary antenna

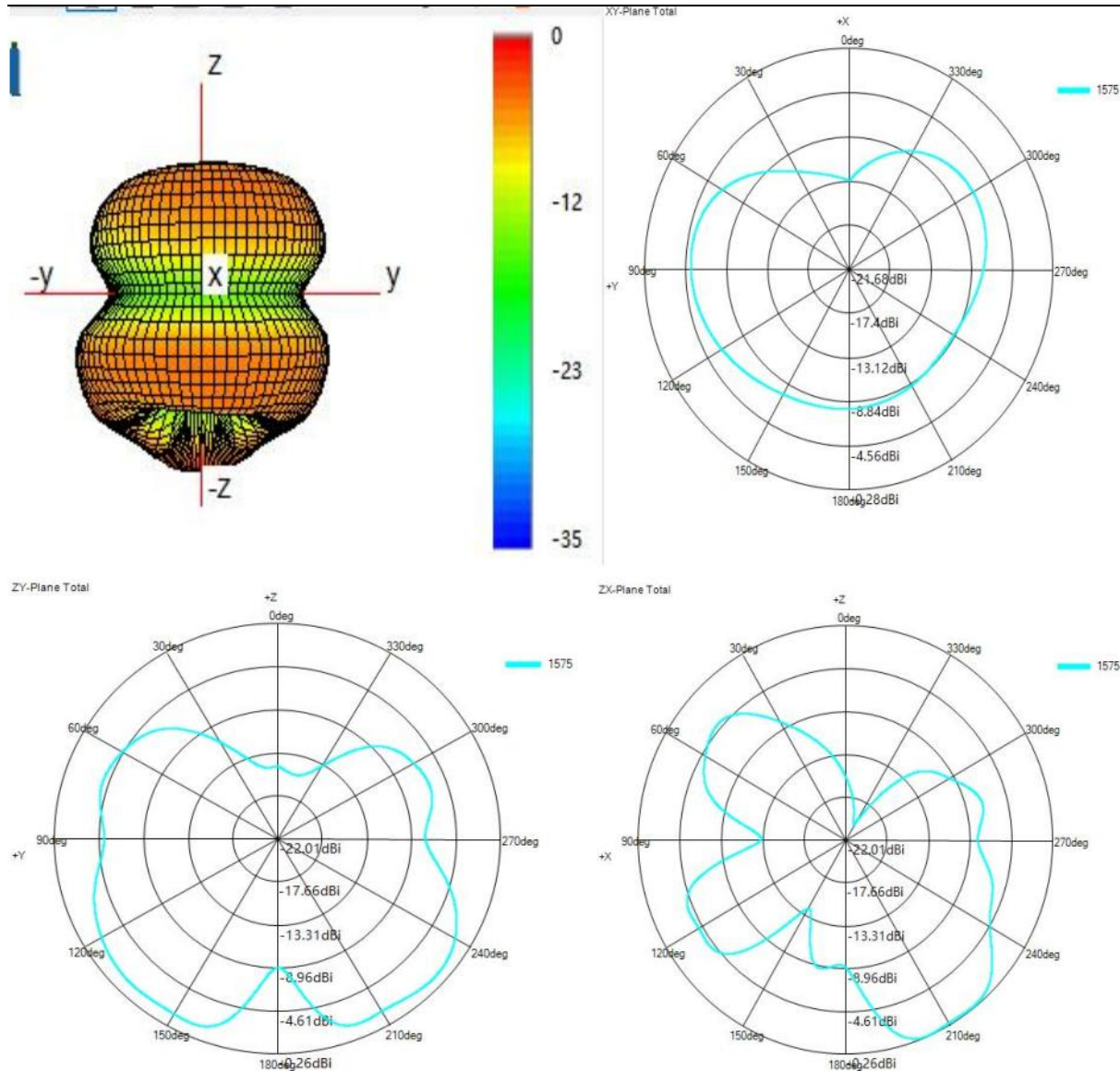


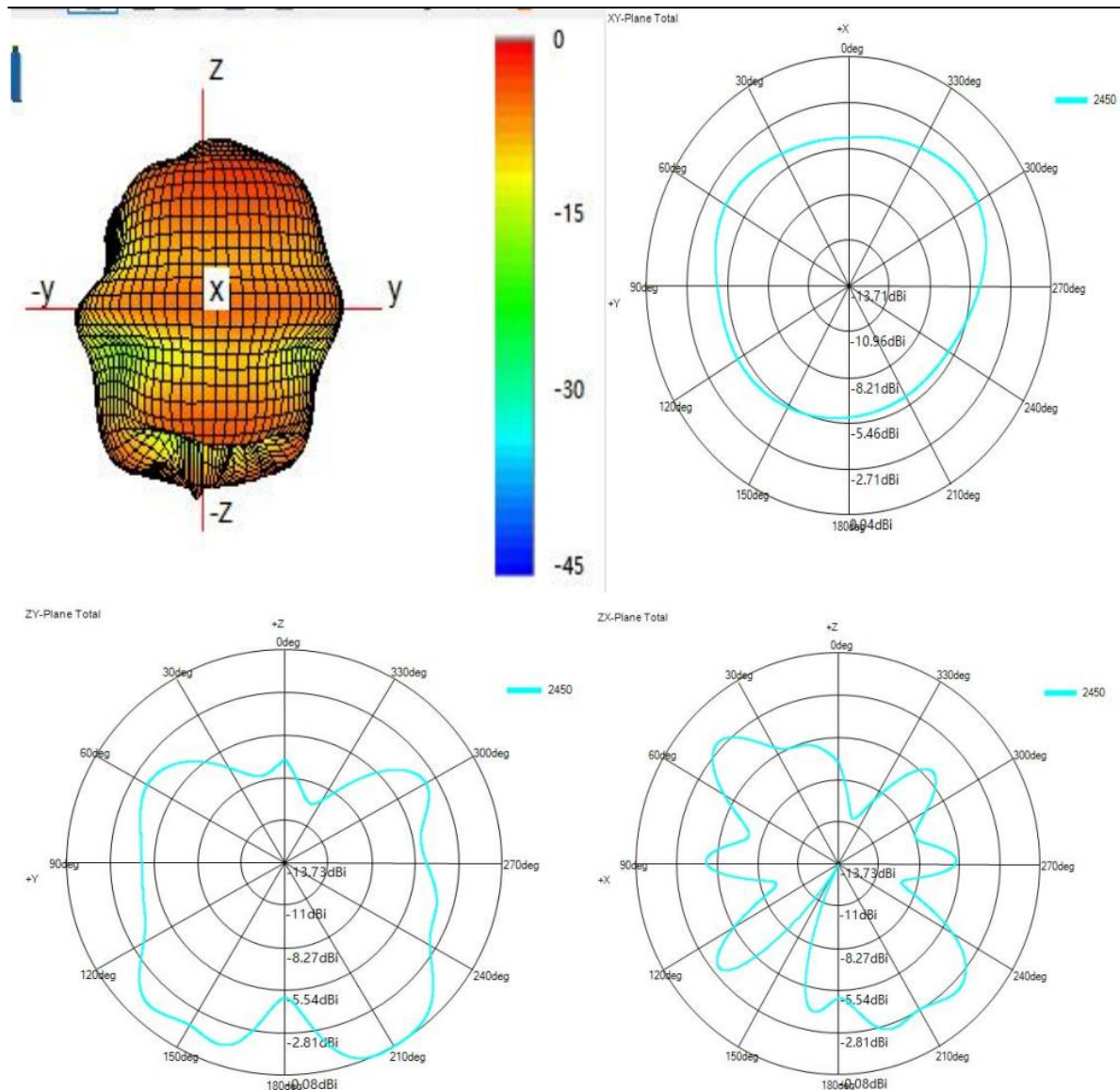


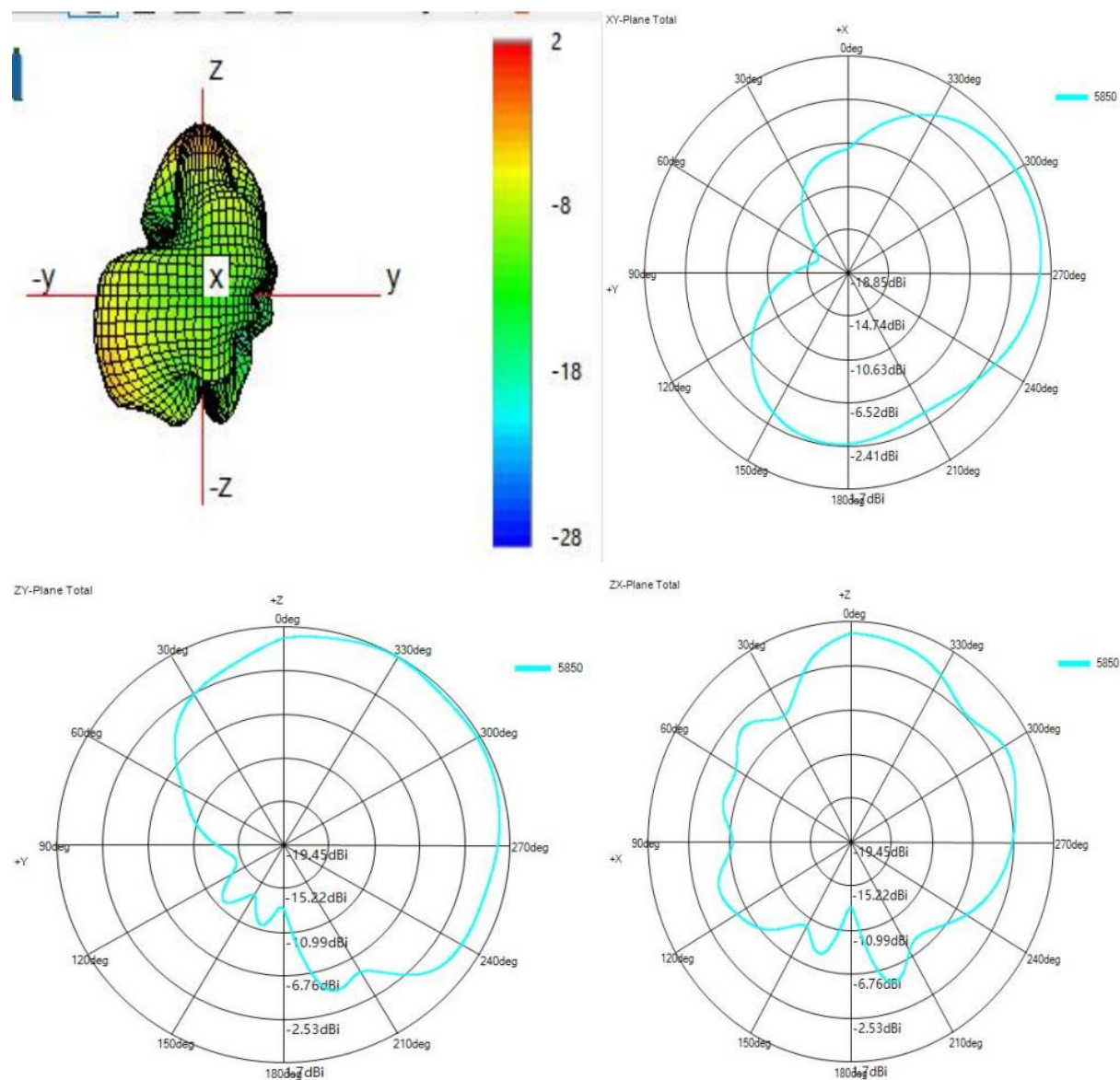
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Freq(MHz)	Gain(dBi)	Efficiency (dBi)	Efficiency (%)
1550	-0.84	-4.07	39.17
1555	-0.83	-4.09	38.99
1560	-0.72	-4.1	38.90
1565	-0.55	-4.05	39.36
1570	-0.45	-4	39.81
1575	-0.39	-4.04	39.45
1580	-0.44	-4.16	38.37
1585	-0.57	-4.24	37.67
1590	-0.58	-4.23	37.76
1595	-0.52	-4.21	37.93
1600	-0.59	-4.25	37.58
2400	-0.3	-4.92	32.18
2410	-0.25	-4.83	32.85
2420	-0.24	-4.64	34.35
2430	-0.02	-4.53	35.21
2440	-0.08	-4.59	34.79
2450	-0.1	-4.59	34.73
2460	-0.14	-4.49	35.58
2470	0.17	-4.32	36.94
2480	0.05	-4.43	36.04
2490	0.23	-4.31	37.04
2500	0.54	-4.29	37.22
5000	1.3	-4.45	35.89
5050	1.29	-4.25	37.58
5100	1.74	-3.65	43.15
5150	1.67	-3.54	44.26
5200	1.57	-3.49	44.77
5250	1.01	-4.07	39.17
5300	0.22	-4.86	32.66
5350	-0.13	-5.51	28.12
5400	-0.25	-5.86	25.94
5450	-1.26	-6.61	21.83
5500	-2.11	-6.94	20.23
5550	-1.85	-6.64	21.68
5600	-1.61	-5.92	25.59
5650	-1.97	-5.44	28.58
5700	-1.01	-4.63	34.43
5750	0.37	-4.32	37.01
5800	1.22	-3.75	42.12
5850	1.7	-3.27	47.04

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Assembly drawing

