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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 Product specifications

electric parameter	
Frequency Range (MHz)	700~960/1710~2650
Gain (dBi)	3.59
VSWR	≤2.0
Input Impedance (Ω)	50
Polarization	Horizontal
Maximum input power (W)	10
mechanical parameter	
Dimensions (mm)	See the drawing below
Antenna type	LTE Antenna
Antenna color	black

Shenzhen Jinhong Wireless Technology Co., Ltd.
30 meters northwest of Baoyuan Building Materials Logistics Center on Baoyuan Road,
Bao'an District, Shenzhen City, Guangdong Province

3 Electrical performance test

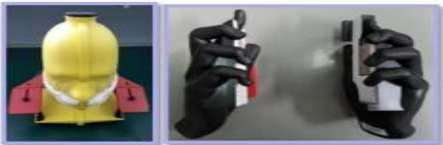
3.1 Test equipment and environment



SATIMO-24



ETS



phantom head



Agilent 8960



Amway MT8820C



CMW500



Agilent E5071C

Test System	Testing environment	Active testing	Passive testing
SATIMO—24 ETS	Temperature: 22° C ± 3° C Humidity: 50% ± 15%	Support 2G/3G/4G BTN1FVGPS	400MHZ-6G

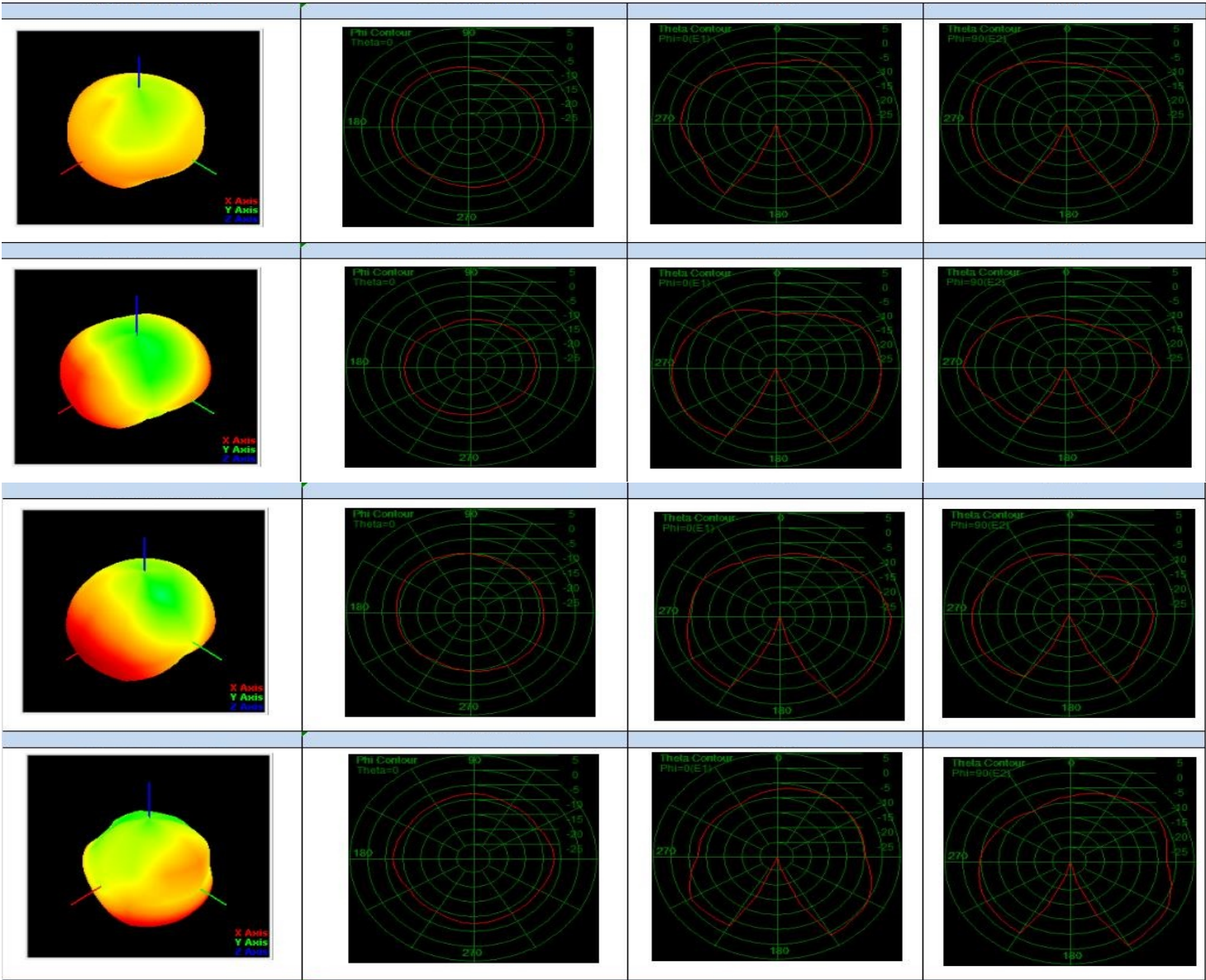
3.2 OTA data

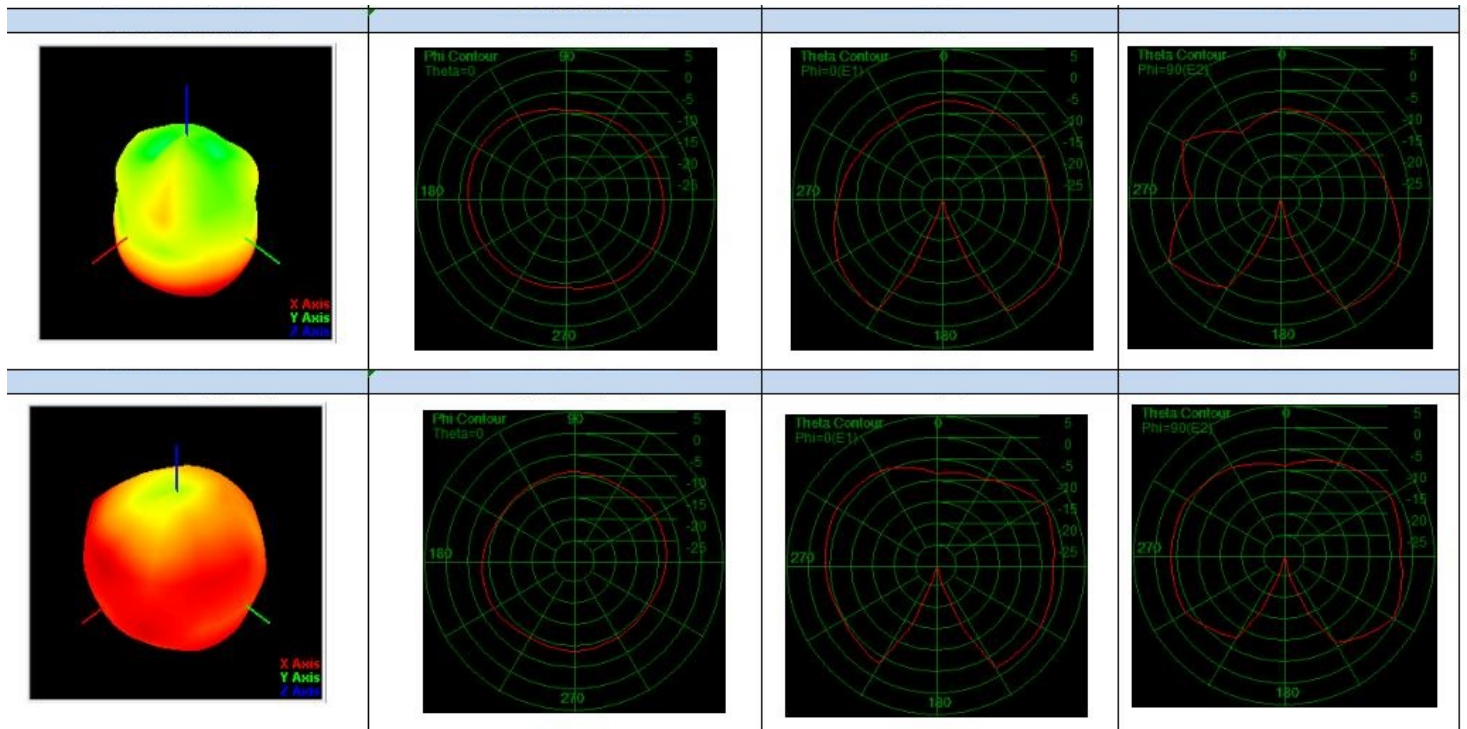
OTA测试报告(美版)			
OTA Test Report (US Version)			
频段 frequency band	信道 Channel	TRP	TIS
Band 2	18700	19.5	
	18900	19.6	
	19100	19.2	-94.5
Band 4	20050	19.4	
	20175	19.0	
	20300	20.1	-95.2
Band 5	20450	19.7	
	20525	20.1	
	20600	20.6	-87.8
Band 12	23060	19.4	
	23095	19.6	
	23130	19.4	-87.8
Band 13	23230	19.4	
	23202	19.6	
	23255	19.4	-90.2
Band 66	132022	20.2	
	132622	19.4	
	132297	19.6	-94.5

3.3 Efficiency and Gain

LTE天线		
Frequency 频率(MHz)	Gain 增益(dB)	Efficiency 效率 (%)
700.0	0.56	30.6%
750.0	0.81	38.9%
800.0	1.21	39.2%
850.0	1.48	41.8%
900.0	1.87	44.8%
950.0	2.61	44.5%
1700.0	3.03	44.6%
1750.0	3.39	46.2%
1800.0	2.30	43.7%
1850.0	3.14	47.7%
1900.0	2.56	47.7%
1950.0	1.91	49.0%
2000.0	2.00	48.8%
2050.0	2.55	44.8%
2100.0	3.55	55.1%
2150.0	3.59	59.7%
2200.0	2.20	61.9%
2250.0	2.99	53.8%
2300.0	3.29	39.6%
2350.0	2.13	53.7%
2400.0	3.03	60.5%
2450.0	2.79	54.5%
2500.0	1.92	40.0%
2550.0	-0.58	40.9%
2600.0	-0.28	44.5%
2650.0	0.94	34.0%
2700.0	0.66	35.8%

3.4 3D Chart





4 Engineering drawings

