



Shenzhen Jiexuntong Wireless Technology Co., LTD

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HangchengStreet, Bao'an District, Shenzhen

Antenna specification

Customer name: Hongwei

Project model: SD-1

Antenna specification: 4G FPC Antenna



Recognition Letter Change CV

editi on	date	Change description	remark
R/A	2026. 3. 23	First edition	



catalogue

1、 COVER.....	PAGE 1
2、 CHANGE THE RESUME.....	PAGE 2
3、 CATALOGUE.....	PAGE 3
4、 ANTENNA PICTURES.....	PAGE 4
5、 ANTENNA MATCHING.....	PAGE 5
6、 PRODUCT SPECIFICATION	PAGE 5
7、 ELECTRICAL PERFORMANCE REPOR.....	PAGE 6-15
8、 Engineering drawing.....	PAGE 16



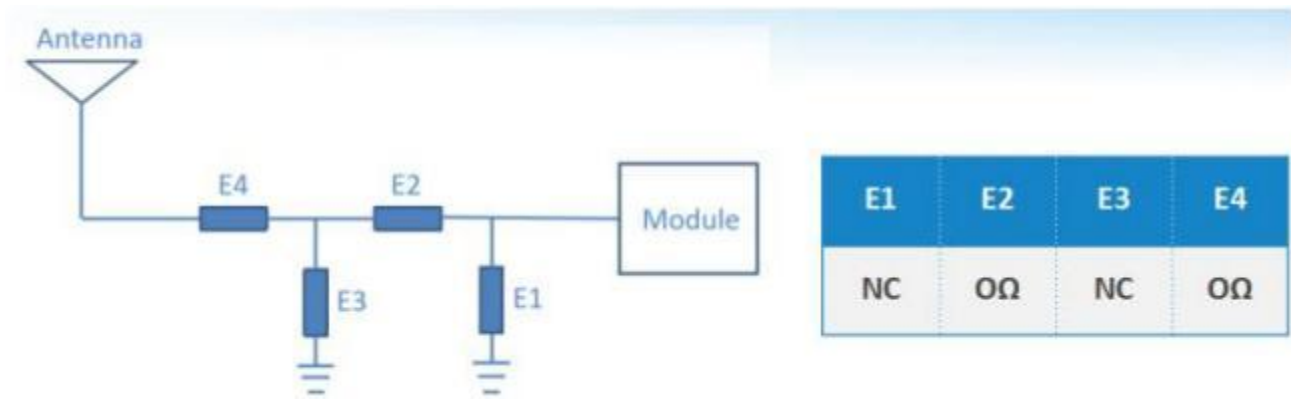
1. Antenna assembly picture



2. Test environment

2.1. Environmental treatment

no



*: Our company has not changed the original antenna front end matching,

4. size of product

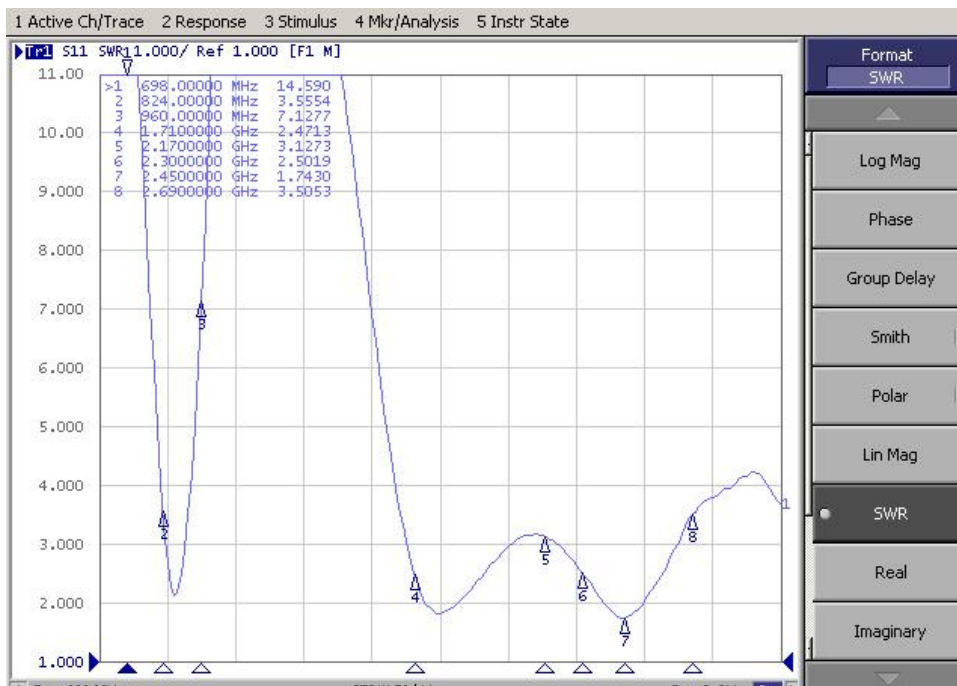
Passive Electrical Specifications	
Frequency Range (MHz)	700-2700MHZ
Input Impedence (Ω)	50
n bobitu VSWR	≤ 7.5
Polarization Type	Linear polarization

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5. Electrical performance report

- bobitu VSWR





5.1 Gain Efficiency

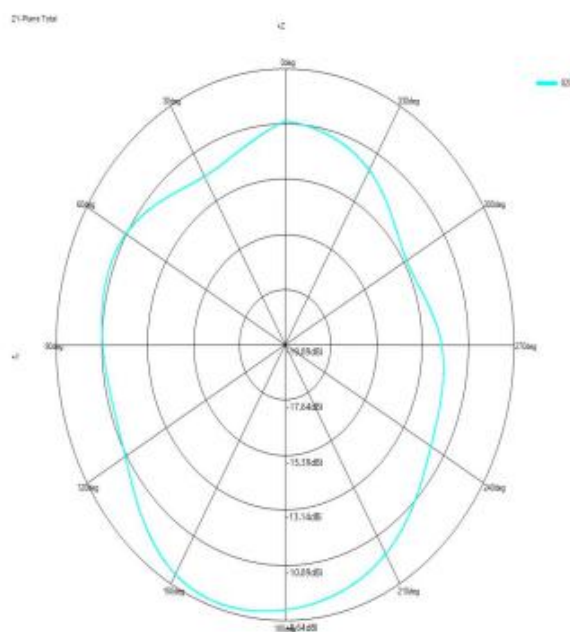
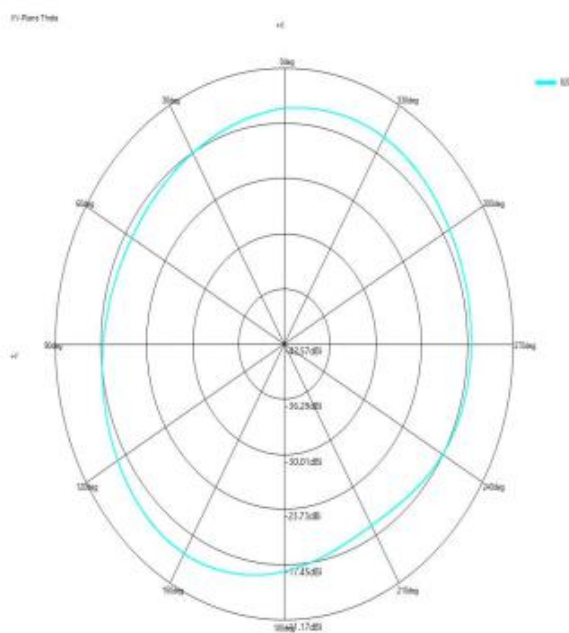
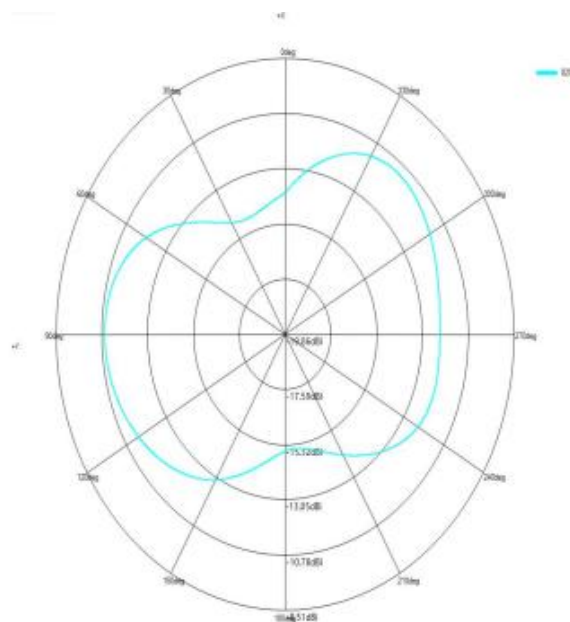
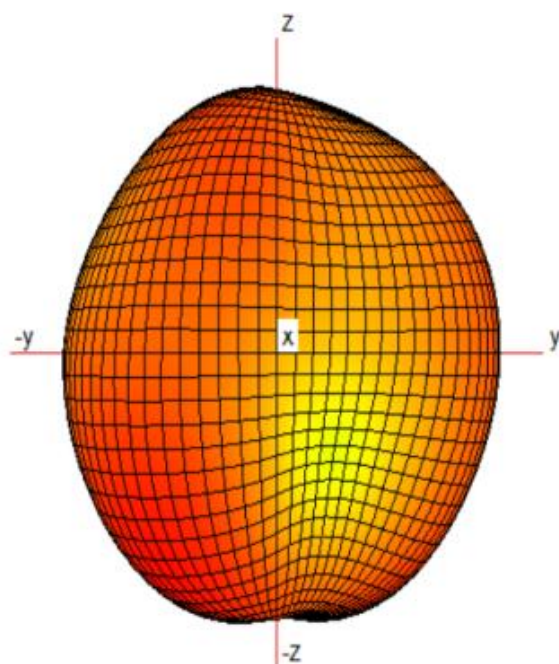
Freq(MHz)	Gain(dBi)	Efficiency(%)
800	-2.46	29.7
820	-3	28.7
840	-2.66	31.84
860	-2.61	29.3
880	-2.39	26.42
900	-2.26	30.65
920	-2.3	28.49
940	-2.38	25.14
960	-2.3	30.49
980	-2	25.38

Freq(MHz)	Gain(dBi)	Efficiency(%)
1700	1.71	50.26
1750	1.77	53.6
1800	1.09	48.29
1850	0.66	44.87
1900	0.02	43.79
1950	-0.34	41.38
2000	-0.95	39.56
2050	-0.95	40.42
2100	0.1	49.16
2150	0.64	47.89
2200	0.43	47.49
2250	0.6	53.54
2300	0.61	53.48
2350	0.97	52.06
2400	1.31	50.71
2450	1.21	51.06
2500	1.03	44.42
2550	0.12	35.31
2600	0.27	39.73
2650	0.34	39.06
2700	0.46	34.68



5.2 Radiation pattern

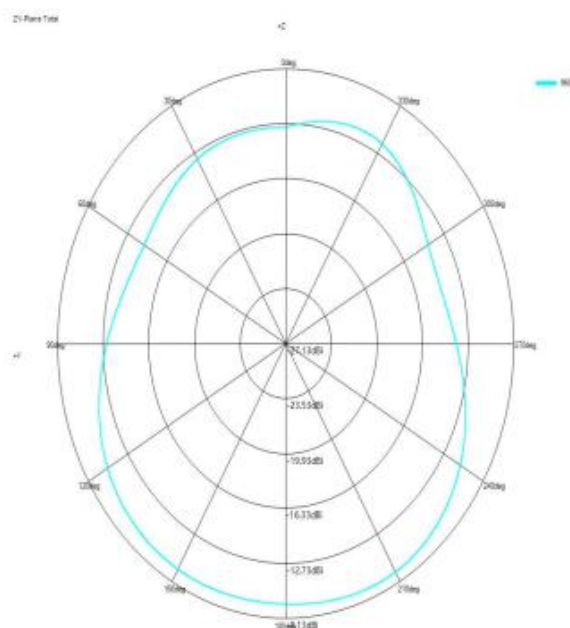
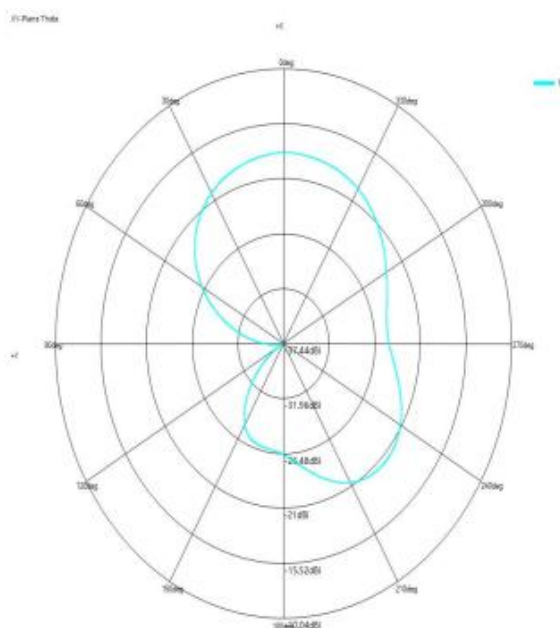
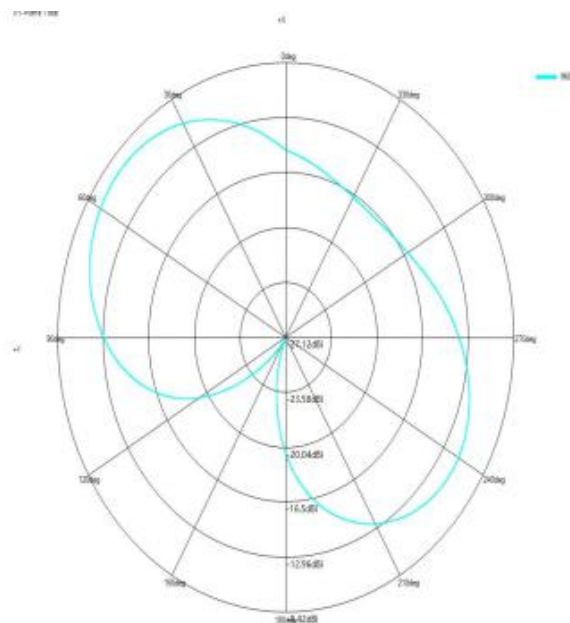
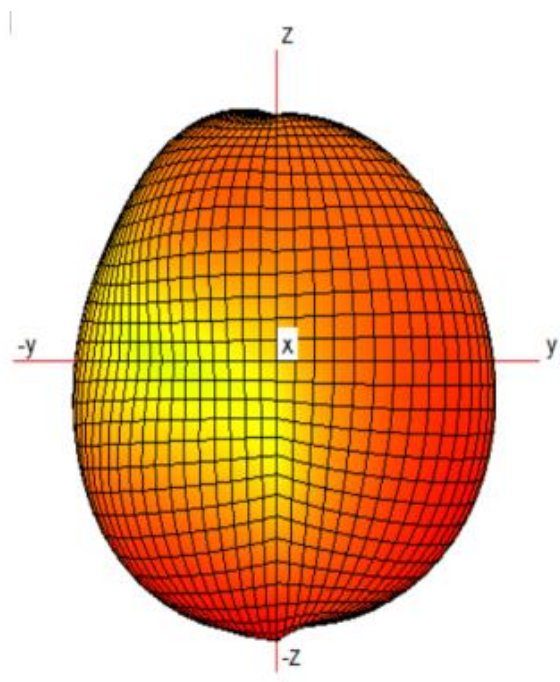
820Mhz



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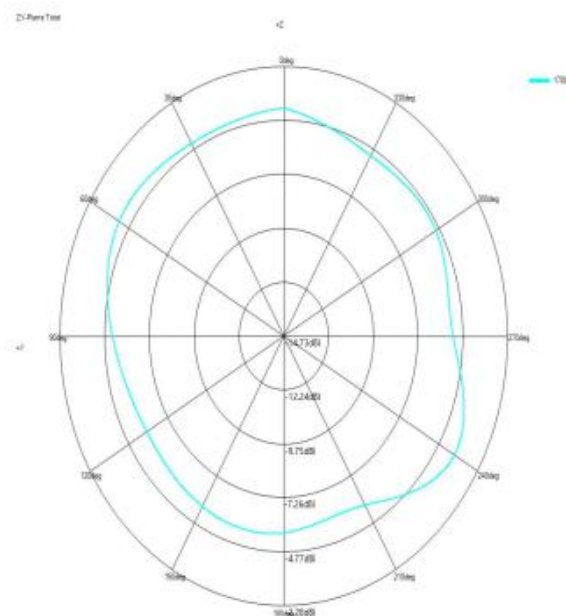
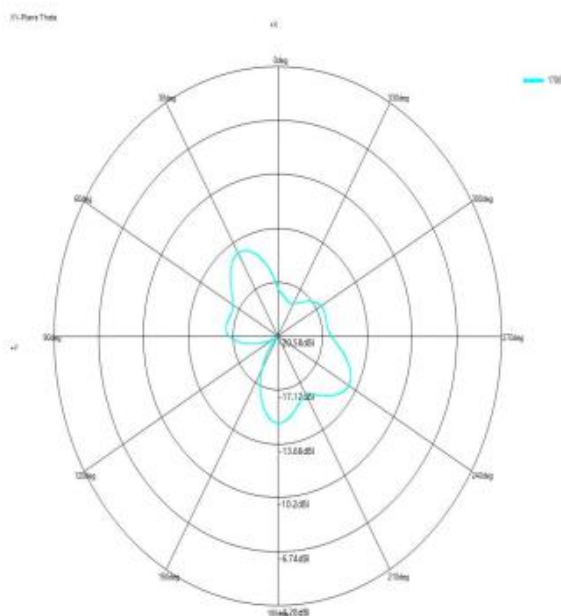
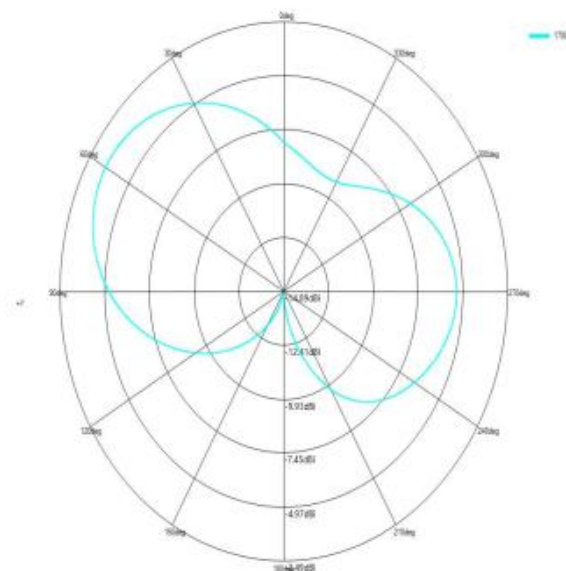
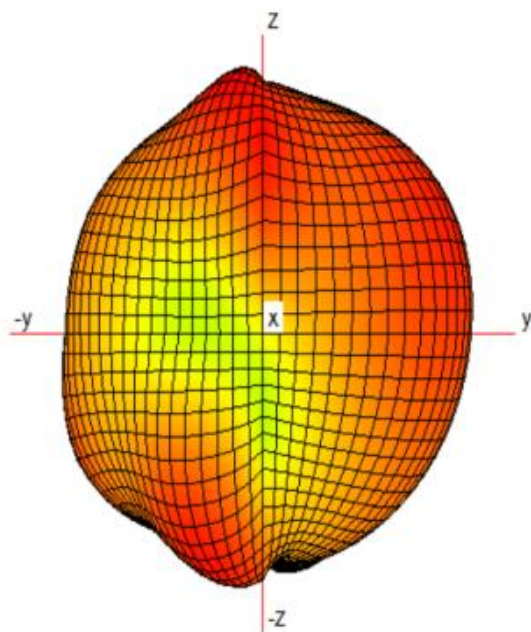
960Mhz



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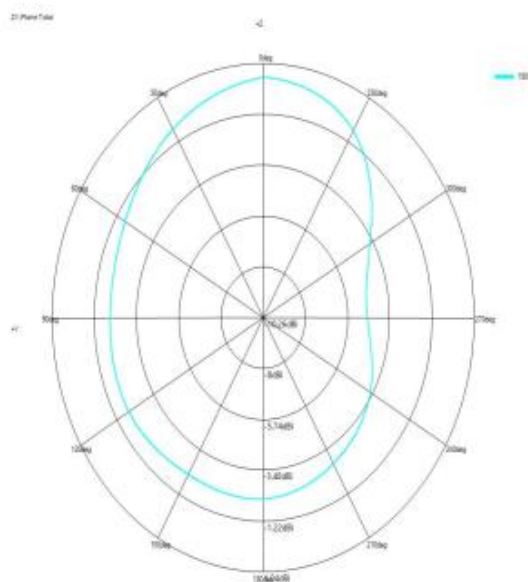
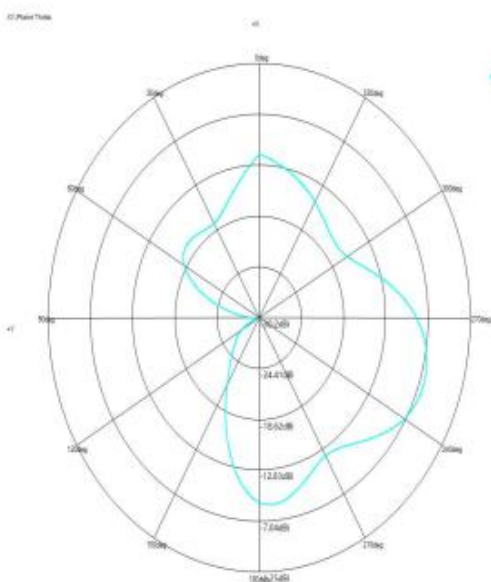
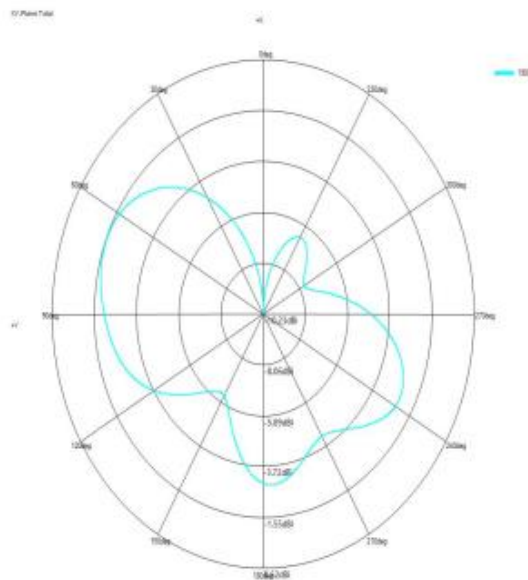
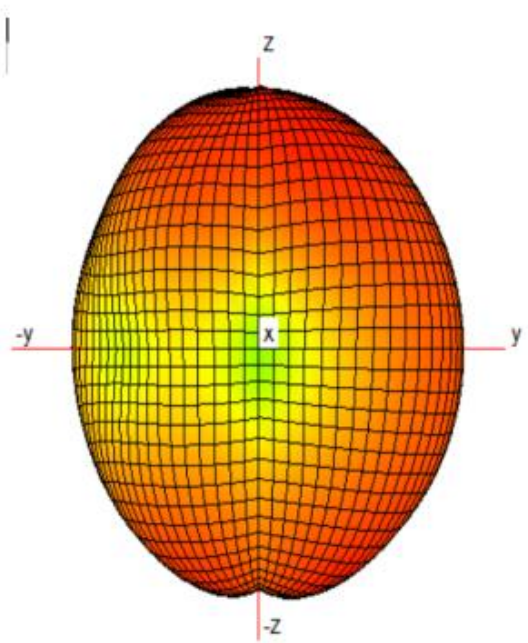
1700Mhz



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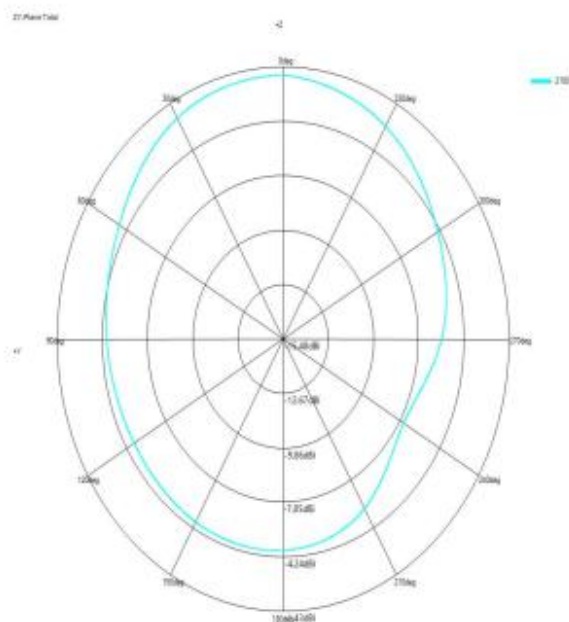
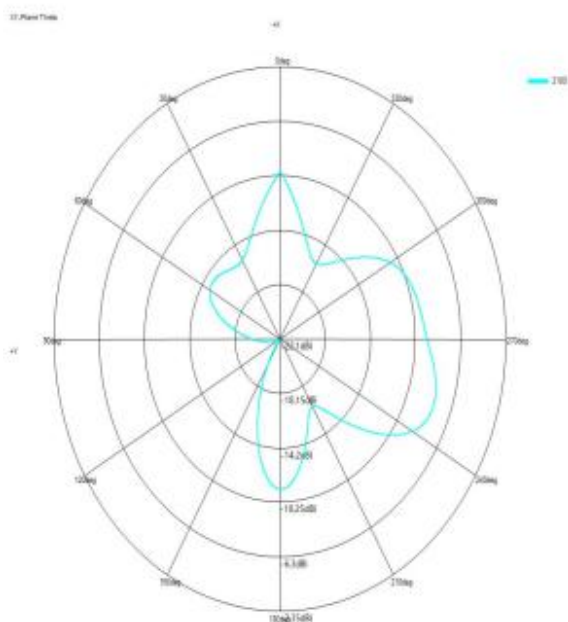
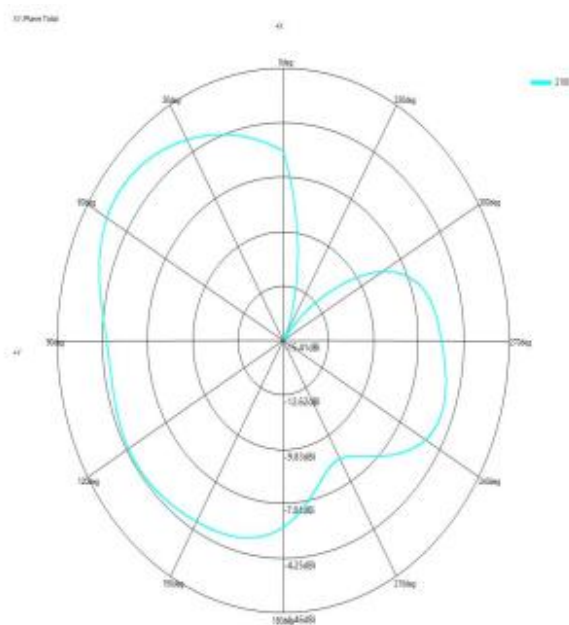
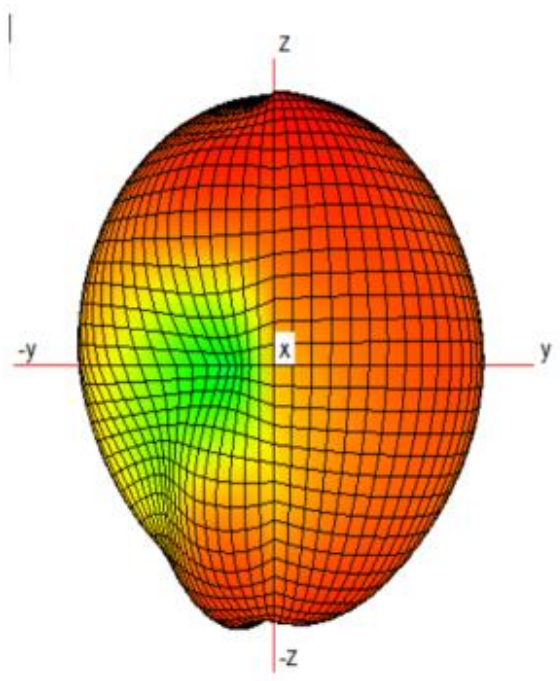
1900Mhz



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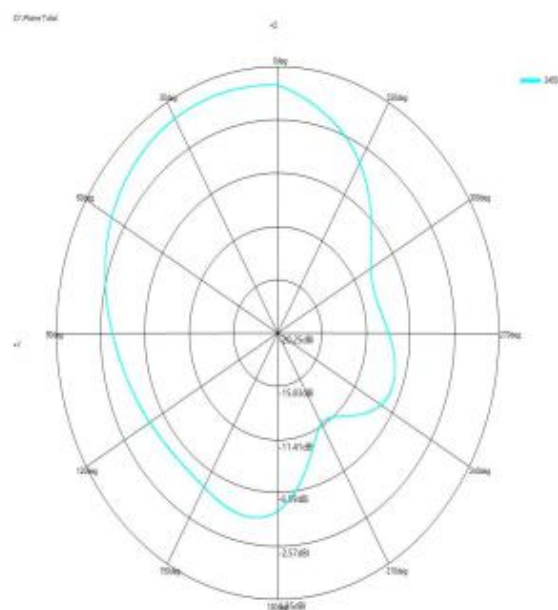
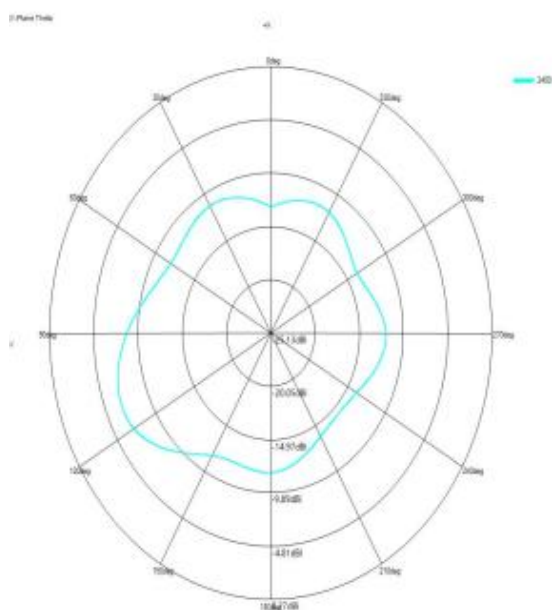
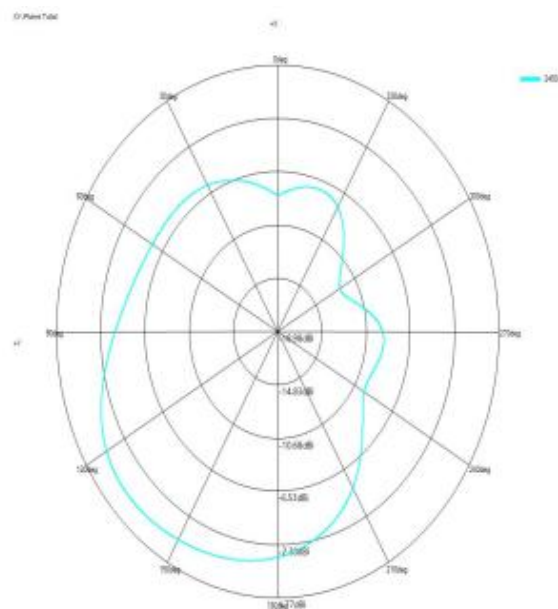
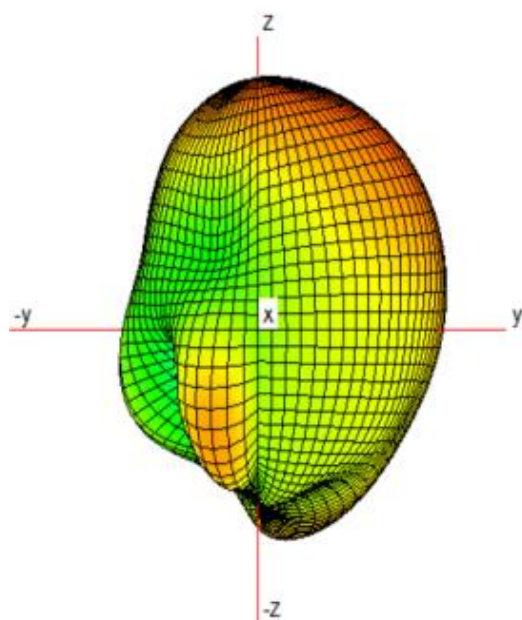
2100Mhz



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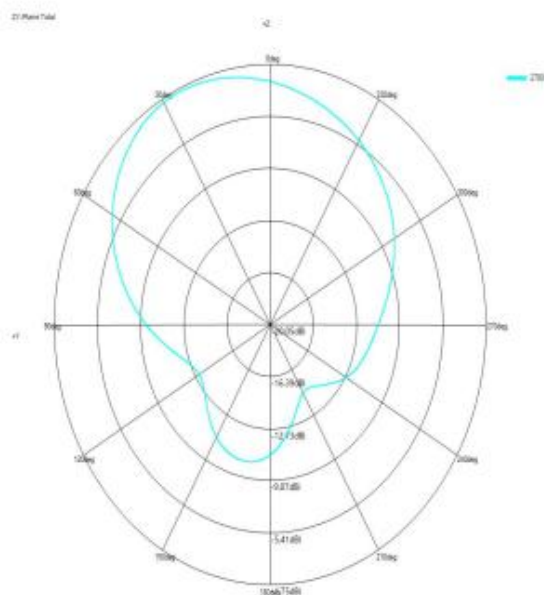
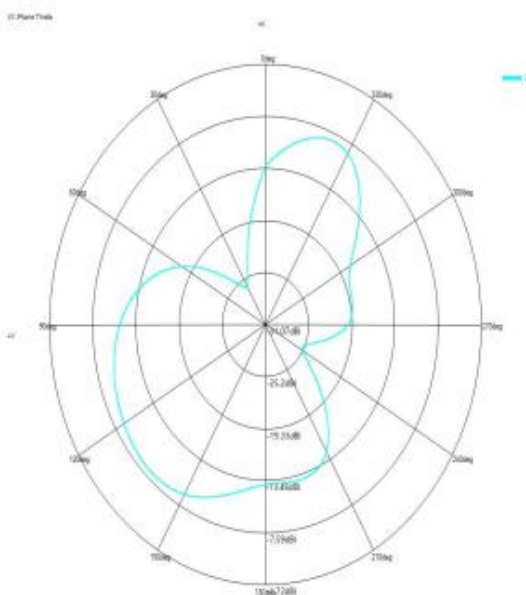
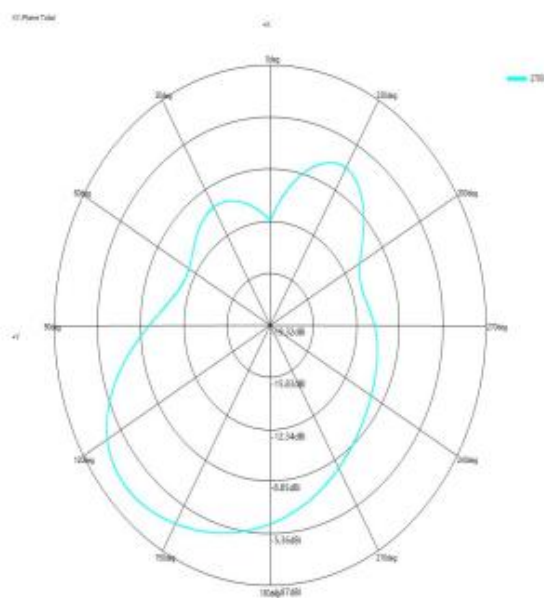
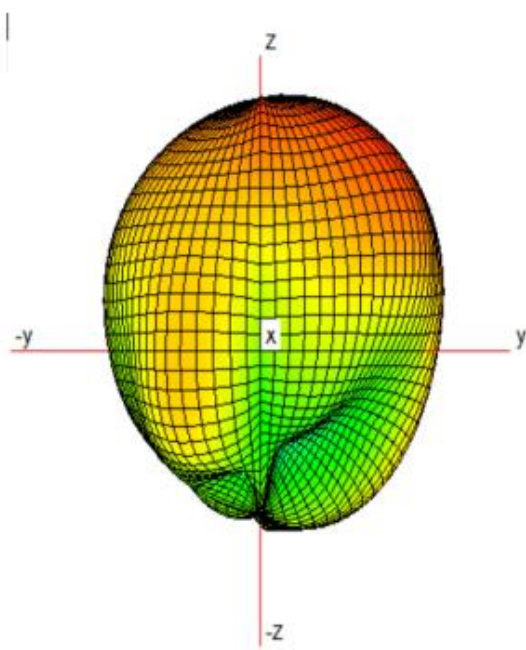
2450Mhz



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2700Mhz



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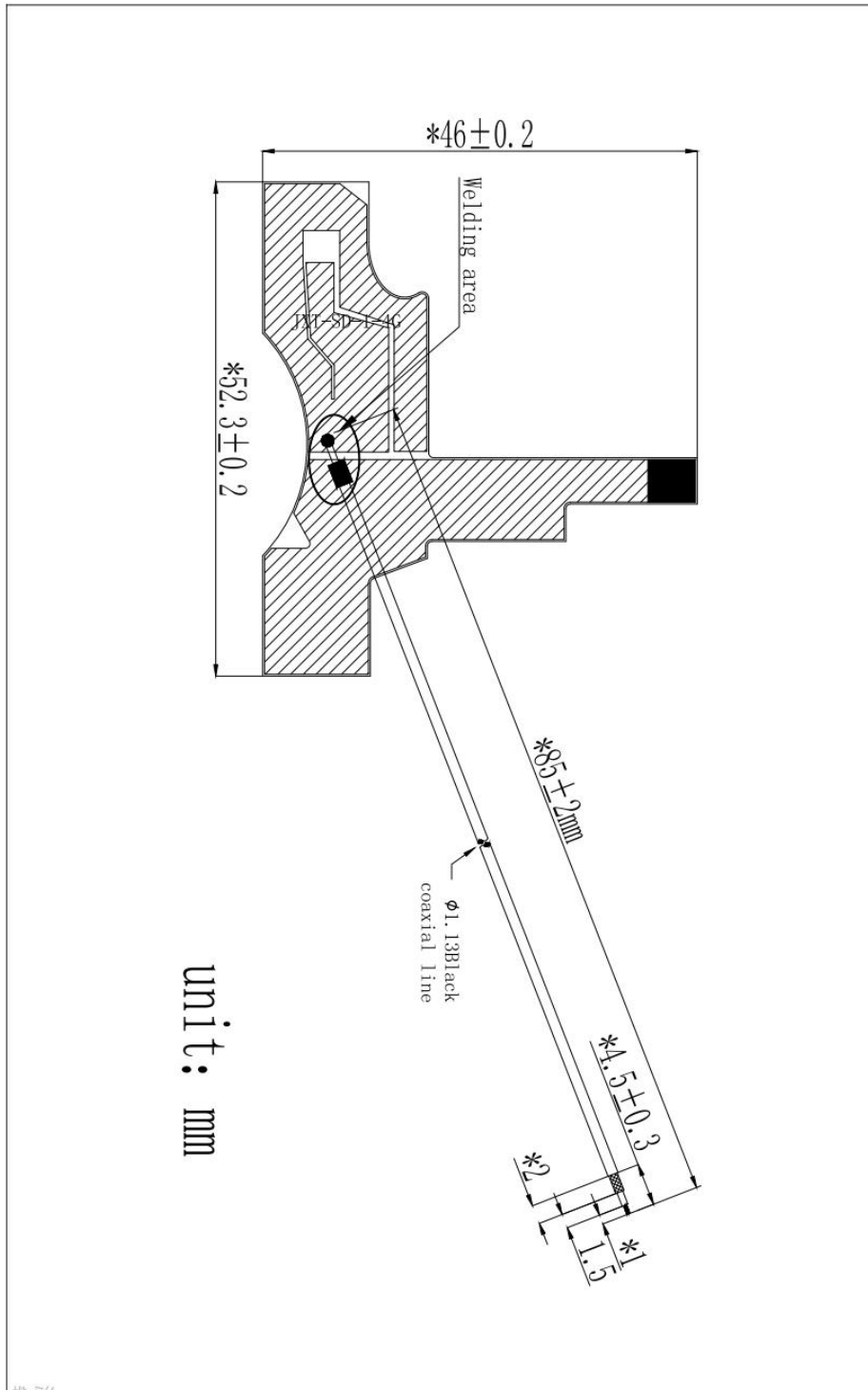


5.3 OTA test data

OTA 测试数据										
频段	B1		B3		B5		B8			
	18050	18550	19250	19900	20450	20600	21500	21750		
TRP	19.26	18.29	19.75	18.39	15.12	15.57	16.34	16.41		
TIS	-91.52	-91.37	-92.72	-93.21	-83.63	-83.46	-82.26	-82.72		
频段	B34		B38		B39		B40		B41	
	36250	36275	37800	38000	38300	38450	38700	39150	39700	40620
TRP	19.24	19	19.28	19.53	18.36	18.25	17.44	18.66	19.34	19.743
TIS	-91.47	-91.58	-93.75	-93.62	-92.74	-92.43	-93.52	-93.72	-92.57	-92.67



6. Engineering drawing



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