Measurement of Antenna for A18 Pro Project

Manufacture：SHENZHEN TENDA TECHNOLOGY CO.,LTD.

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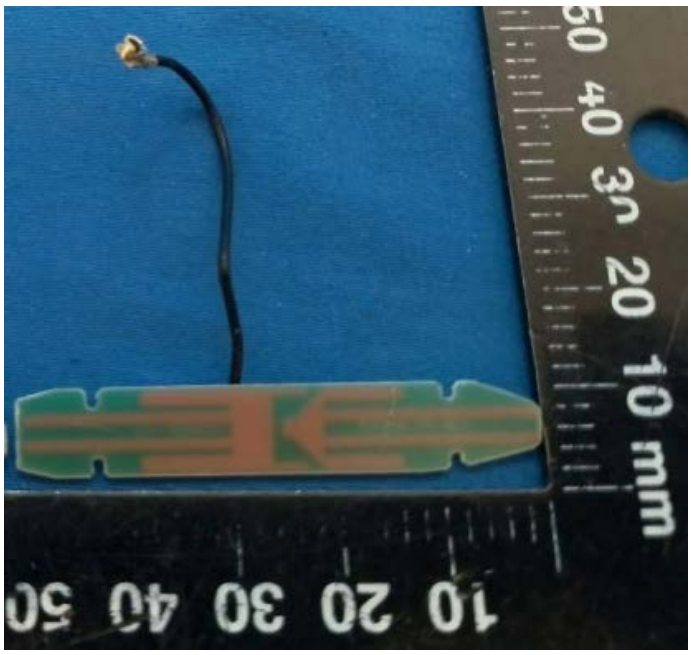
1. Antenna Appearance:

Ant 0

Ant 1



2. Electrical performance test results at normal temperature

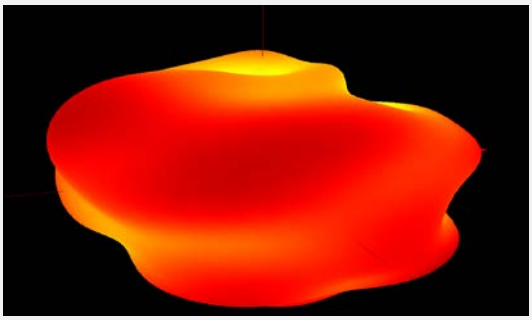
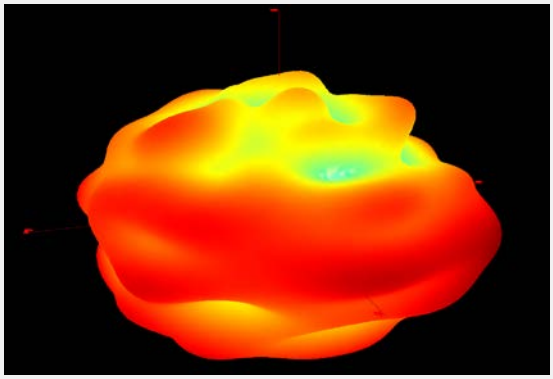
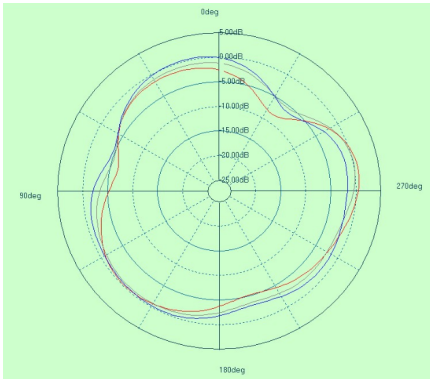
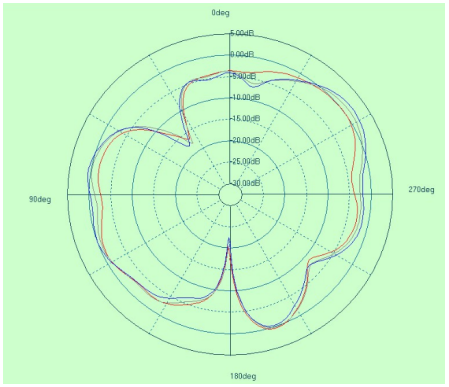
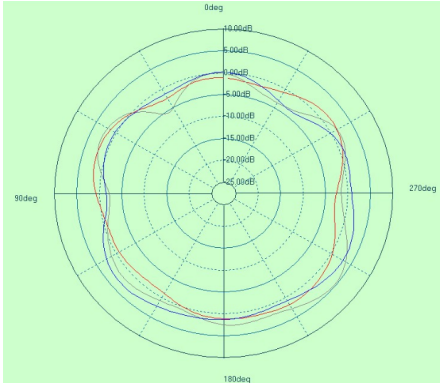
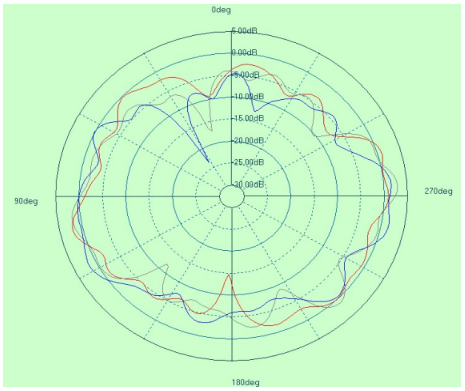
A) Antenna 0

No	Test Item	Unit	Demand Performance	Test Result		Judgement
1	Frequency Range	MHz	2400-2483/5150-5850	2400-2483/5150-5850		OK
2	Gain	dBi	4.77	2410	3.05	OK
				2450	2.84	OK
				2483	2.99	OK
				5150	3.77	OK
				5500	4.77	OK
				5850	4.32	OK
3	Return loss	dB	≤-10	2410	-15	OK
				2450	-18	OK
				2483	-20	OK
				5150	-20	OK
				5500	-23	OK
				5850	-36	OK

B) Antenna 1

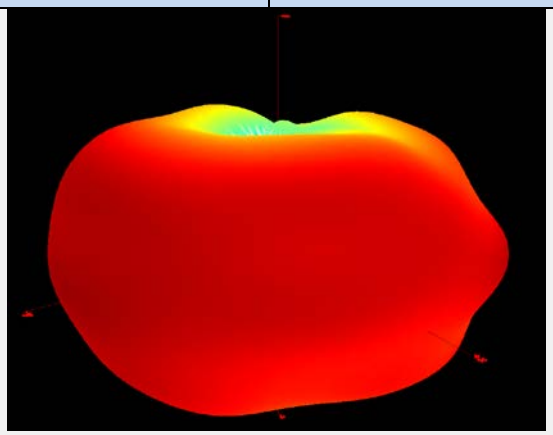
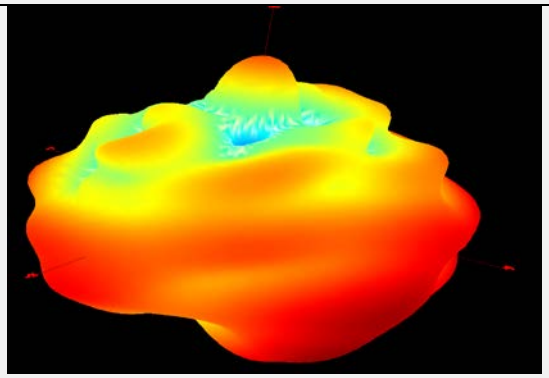
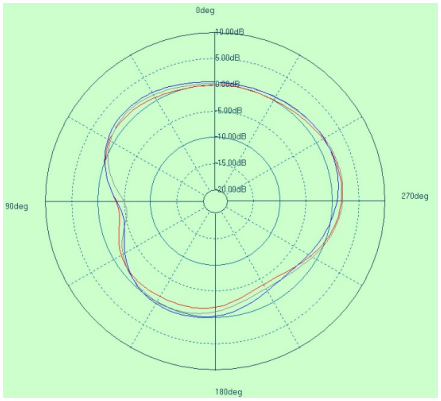
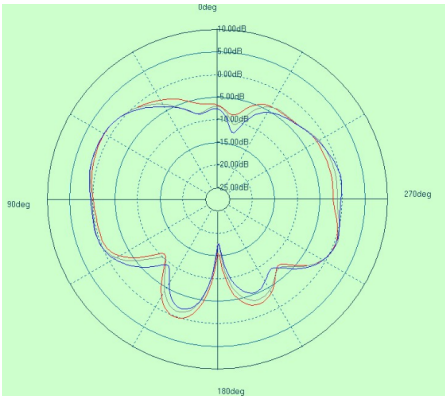
No	Test Item	Unit	Demand Performance	Test Result		Judgement
1	Frequency Range	MHz	2400-2483/5150-5850	2400-2483/5150-5850		OK
2	Gain	dBi	4.93	2410	3.13	OK
				2450	2.89	OK
				2483	3.00	OK
				5150	4.45	OK
				5500	4.93	OK
				5850	4.57	OK
3	Return loss	dB	≤-10	2410	-15	OK
				2450	-19	OK
				2483	-21	OK
				5150	-23	OK
				5500	-18	OK
				5850	-23	OK

Directional diagram for ANT0

EUT		
Remark		
3D Radiation patterns 2.4GHz		
3D Radiation patterns 5GHz		
	H **PLANE**	V **PLANE**
2D Radiation patterns 2.4GHz		
2D Radiation patterns 5GHz		

Directional diagram for ANT1

EUT		

Remark		
3D Radiation patterns 2.4GHz		
3D Radiation patterns 5GHz		
	H **PLANE**	V **PLANE**
2D Radiation patterns 2.4GHz		
2D Radiation patterns 5GHz