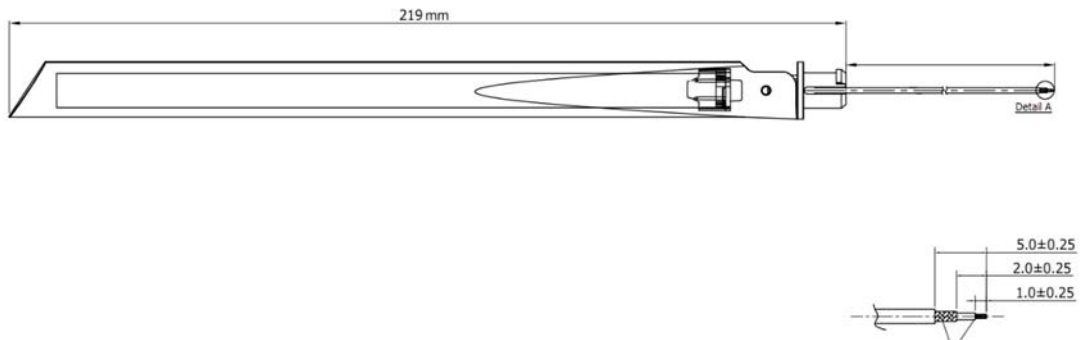


Measurement of Antenna for AC3 Project

Manufacture: SHENZHEN TENDA TECHNOLOGY CO., LTD.

Add: 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

1. Antenna Appearance:



2. Electrical performance test results at normal temperature

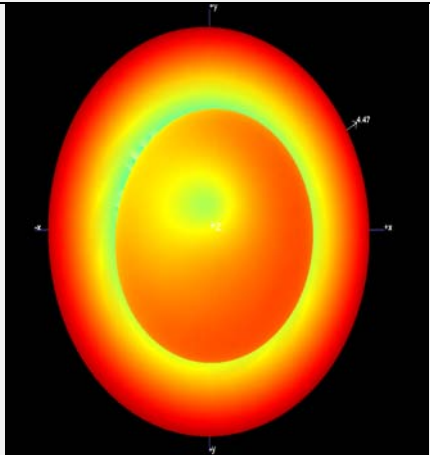
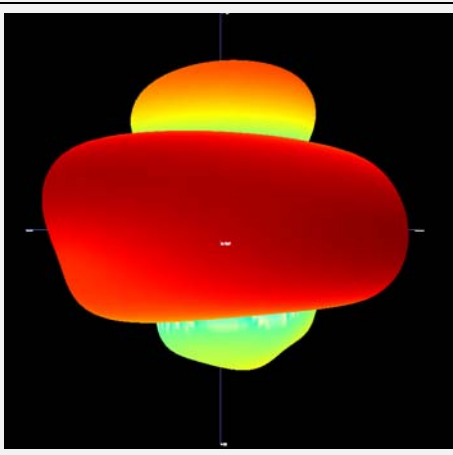
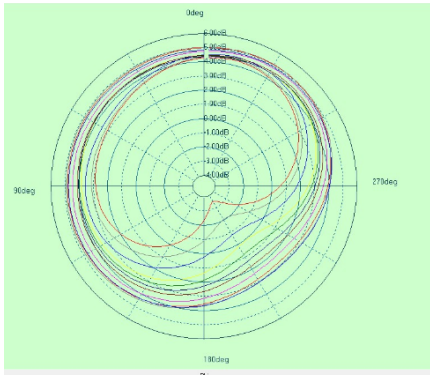
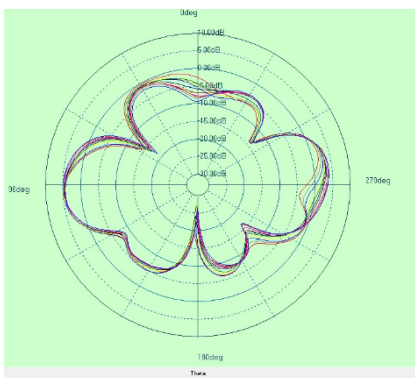
a) 2. 4G Antenna

No	Test Item	Unit	Demand Performance	Test Result		Judgement
1	Frequency Range	MHz	2412-2483	2412-2483		OK
2	Gain	dBi	5	2412	4.16	OK
				2450	4.35	OK
				2483	4.28	OK
3	Return loss	dB	≤ -10	2412	-21.3	OK
				2450	-28.3	OK
				2483	-16.7	OK

B) 5G Antenna

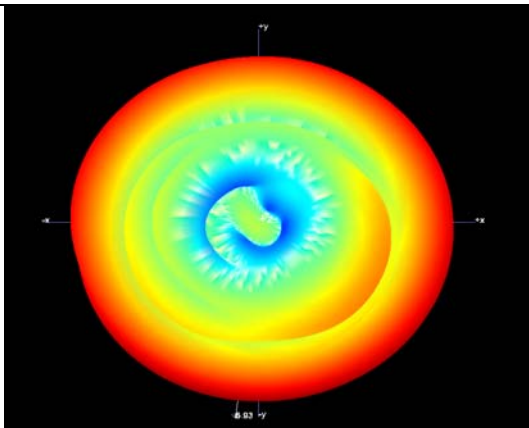
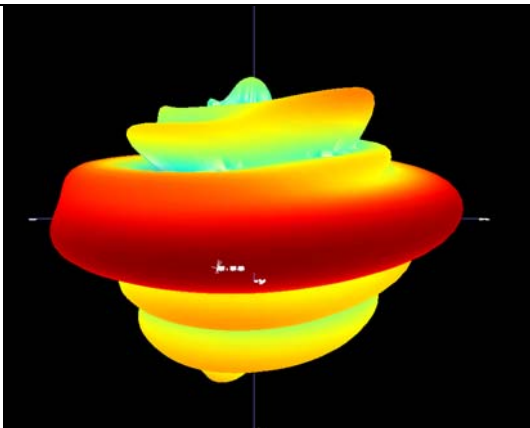
No	Test Item	Unit	Demand Performance	Test Result		Judgement
1	Frequency Range	MHz	5150-5850	5150-5850		OK
2	Gain	dBi	5	5150	5.15	OK
				5500	5.5	OK
				5850	5.33	OK
3	Return loss	dB	≤ -10	5150	-13.6	OK
				5500	-17.6	OK
				5850	-16.2	OK

Directional diagram for 2.4GHz

EUT		
Remark		
Frequency	E Total. dB(dB)	Efficiency()
2400MHz	4.33	70%
2410MHz	4.16	75%
2420MHz	4.53	78%
2430MHz	4.47	77%
2440MHz	4.52	81%
2450MHz	4.35	81%
2460MHz	4.46	85%
2470MHz	4.55	88%
2480MHz	4.28	73%
	XOY PLANE	XOZ PLANE
3D Radiation patterns at 2450 MHz		
	H PLANE	V PLANE
2D Radiation patterns		

Directional diagram for 5GHz

Frequency	E Total. dB(dBi)	Efficiency()
5000MHz	5.15	69%
5050MHz	5.25	73%
5100MHz	5.17	76%

5150MHz	5.15	78%
5200MHz	5.25	74%
5250MHz	5.37	79%
5300MHz	5.53	82%
5350MHz	5.82	81%
5400MHz	5.54	80%
5450MHz	5.75	83%
5500MHz	5.28	75%
5550MHz	5.50	75%
5600MHz	5.36	73%
5650MHz	5.55	76%
5700MHz	5.03	75%
5750MHz	5.17	76%
5800MHz	4.98	75%
5850MHz	5.33	73%
	XOY_PLANE	XOZ PLANE
3D Radiation patterns at 5150 MHz		
2D Radiation patterns	