

## Measurement of Antenna for CH7-WCA Project

**Manufacture: SHENZHEN TENDA TECHNOLOGY CO., LTD.**

### 1. Antenna Appearance:



### 2. Electrical performance test results at normal temperature

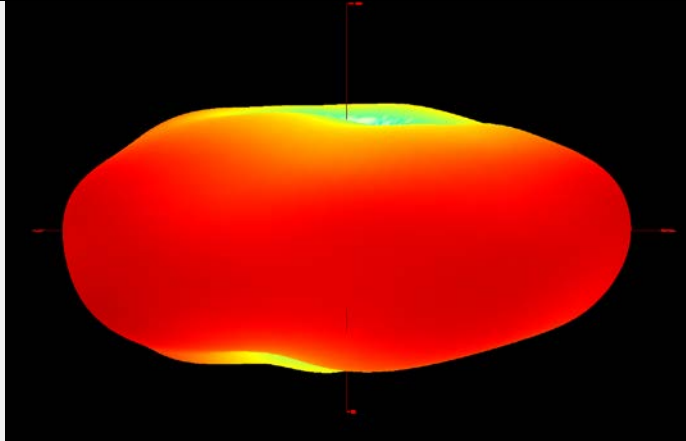
## a) 2. 4G Antenna

No	Test Item	Unit	Demand Performance	Test Result		Judgement
1	Frequency Range	MHz	2400-2483.5	2400-2483.5		OK
2	Gain	dBi	3	2412	3.56	OK
				2450	3.62	OK
				2483	3.72	OK
3	Return loss	dB	$\leq -10$	2400	-17	OK
				2450	-31	OK
				2483	-18	OK

Directional diagram for 2.4GHz

EUT		
Remark		
Frequency	E Total. dB(dB)	Efficiency( )
2400MHz	3.39	85%
2410MHz	3.56	85%
2420MHz	3.68	84%
2430MHz	3.59	87%
2440MHz	3.56	88%
2450MHz	3.62	87%
2460MHz	3.66	85%
2470MHz	3.68	86%
2480MHz	3.72	86%
2490MHz	3.87	83%
2500MHz	3.81	80%

3D Radiation patterns at 2450 MHz



H PLANE

V PLANE

2D Radiation patterns 2450 MHz

