

Measurement of Antenna for 06 Project

Manufacture: SHENZHEN TENDA TECHNOLOGY CO., LTD.

1. Antenna Appearance:



2. Electrical performance test results at normal temperature

5G Antenna

No	Test Item	Unit	Demand Performance	Test Result		Judgement
1	Frequency Range	MHz	5150-5850	5150-5850		OK
2	Gain	dBi	15	5150	15.80	OK
				5250	16.08	OK
				5350	16.04	OK
				5450	16.06	OK
				5500	15.86	OK
				5650	15.65	OK
				5750	15.25	OK
				5850	15.11	OK
3	Return loss	dB	≤ -10	5150	-14.4	OK
				5500	-21.2	OK
				5850	-18.5	OK

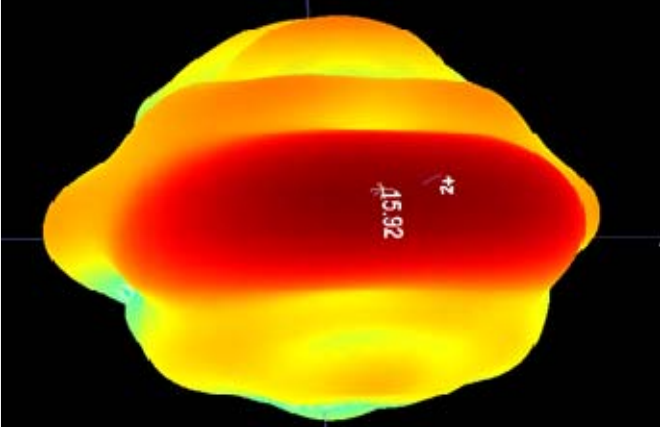
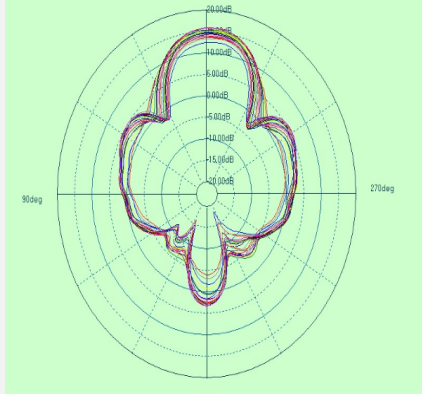
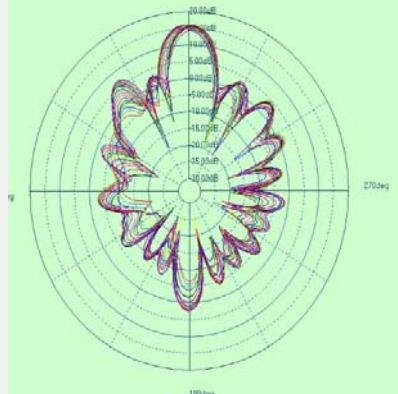
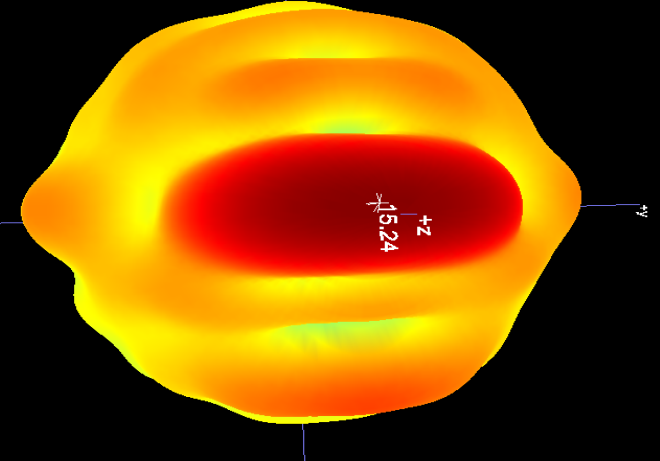


Directional diagram

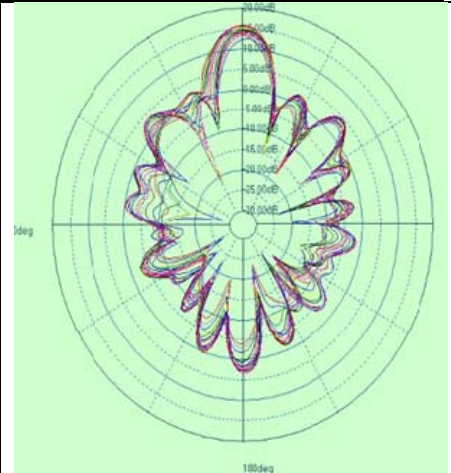
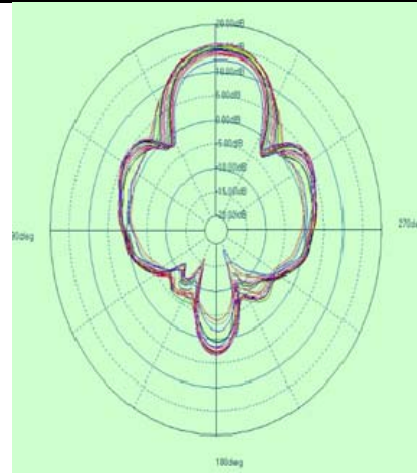
EUT		
Remark		
Frequency	E Total. dB(dB)	Efficiency()
5150MHz,↓	15.80,↓	102%,↓
5200MHz,↓	15.92,↓	102%,↓
5250MHz,↓	16.08,↓	100%,↓
5300MHz,↓	16.15,↓	101%,↓
5350MHz,↓	16.04,↓	98%,↓
5400MHz,↓	16.03,↓	98%,↓
5450MHz,↓	16.06,↓	98%,↓
5500MHz,↓	15.86,↓	92%,↓
5550MHz,↓	15.89,↓	94%,↓
5600MHz,↓	15.81,↓	94%,↓
5650MHz,↓	15.65,↓	92%,↓
5700MHz,↓	15.53,↓	94%,↓
5750MHz,↓	15.25,↓	92%,↓
5800MHz,↓	15.24,↓	91%,↓
5850MHz,↓	15.11,↓	93%,↓

For 5150-5250MHz for 30degrees from the horizon

Frequency	Gain	Efficiency
5150MHz	7.1	98%
5200MHz	8	98%
5250MHz	7.9	98%

3D Radiation patterns at 5250 MHz		
	H PLANE	V PLANE
2D Radiation patterns at 5250 MHz		
3D Radiation patterns at 5800 MHz		
	H PLANE	V PLANE

2D Radiation patterns
at 5800 MHz



Return loss test

