

Measurement of Antenna for Mesh3sEP Pro Project

Manufacture: SHENZHEN TENDA TECHNOLOGY CO., LTD.

Model: OAP3000 Antenna

1. Antenna Appearance:



2. Electrical performance test results at normal temperature

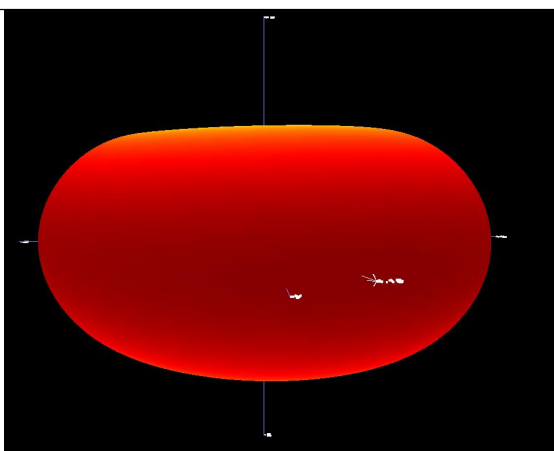
No	Test Item	Unit	Demand Performance	Test Result		Judgement
1	Frequency Range	MHz	2410-2483/5150-5850	2410-2483/5150-5850		OK
2	Gain	dBi	4	2410	3.4	OK
				2450	4.1	OK
				2483	4.2	OK
				5150	3.9	OK
				5500	5.1	OK
				5850	4.98	OK
4	Return loss	dB	≤ -10	2410	-20	OK
				2450	-30	OK
				2483	-14	OK
				5150	-17	OK
				5500	-16	OK
				5850	-17	OK
5	efficiency		$\geq 60\%$	2410	87%	OK
				2450	95%	OK
				2483	99%	OK
				5150	70%	OK
				5500	81%	OK
				5850	81%	OK

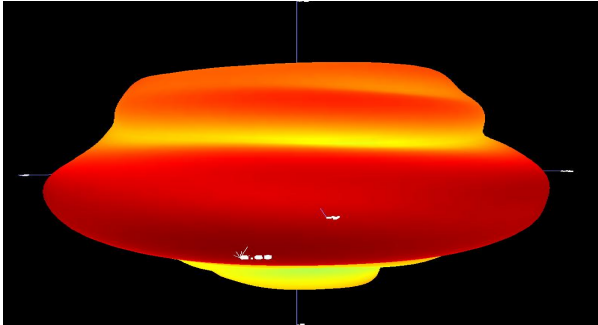
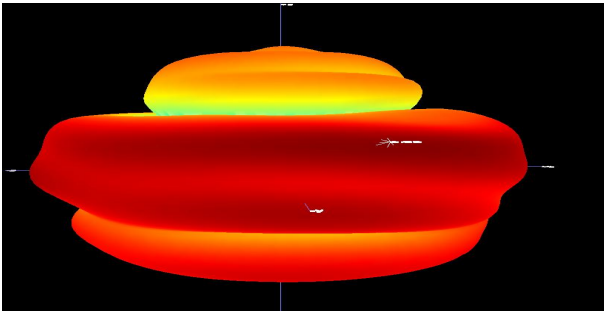
Directional diagram

Frequency	E Total. dB(dBi)	Efficiency()
2400MHz	3. 41	87%
2410MHz	3. 37	87%
2420MHz	3. 55	90%
2430MHz	3. 89	93%
2440MHz	3. 95	94%
2450MHz	4. 13	95%
2460MHz	4. 22	97%
2470MHz	4. 13	98%
2480MHz	4. 03	99%
2490MHz	3. 96	97%
2500MHz	4. 02	96%
5150MHz	3. 69	69%
5200MHz	4. 03	72%
5250MHz	4. 29	75%
5300MHz	4. 63	78%
5350MHz	4. 94	79%
5400MHz	4. 94	79%
5450MHz	5. 26	83%
5500MHz	5. 12	81%
5550MHz	5. 17	80%
5600MHz	5. 03	78%
5650MHz	5. 02	80%
5700MHz	5. 02	79%
5750MHz	4. 93	80%
5800MHz	4. 62	78%
5850MHz	4. 98	81%

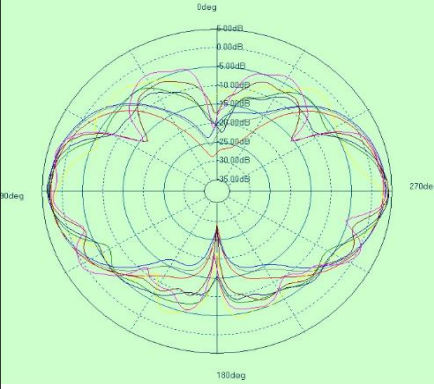
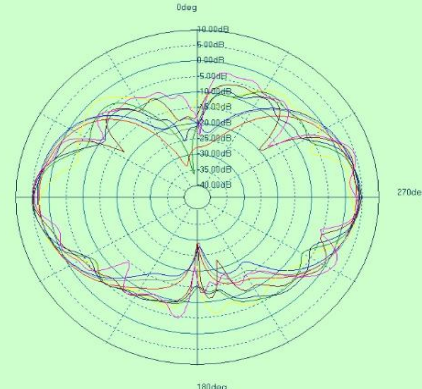
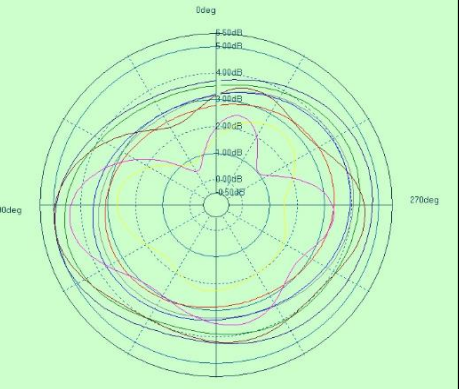
3D

2. 45GHz



5.15GHz	
5.85GHz	

2D 辐射场型

V-PHI=0	V-PHI=90	H-Theta=90
		

Return loss



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