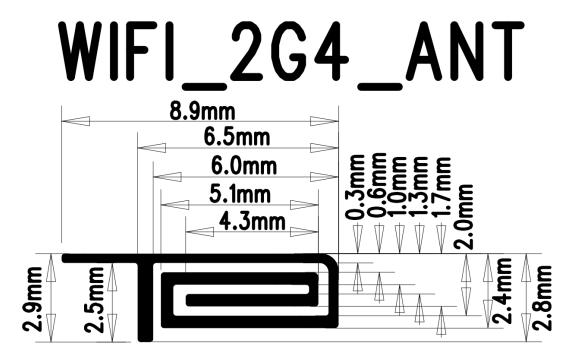
# **Antenna Specifications**

## 1. Antenna Specifications

Manufacturer	Shenzhen Luhengda Electronics Co., Ltd				
Address	201, No. 7, Dawang Industrial Zone, Dakang Community,				
Address	Yuanshan Street, Longgang District, Shenzhen, China				
Model Name	WIFI_2G4_ANT				
Antenna Type	PCB Antenna				
Frequency	2400 – 2500 MHz				
Maximum Gain	-7.58 dBi				
Polarization	Horizontal and Vertical				
Azimuth Beam Pattern	Omni-directional				
Impedance	50 Ohm				
VSWR	<1.2				

### 2. Antenna Dimensions



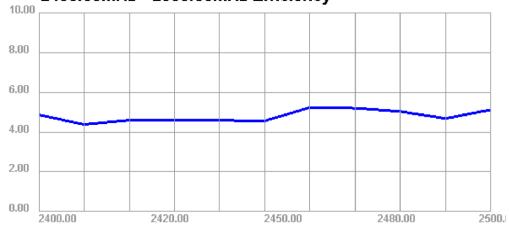
## 3. Antenna Gain & Efficiency

Passive Test For 2.4g												
Freq	Effi	Effi	Gain	Gain	UHIS	DHIS	Max	Min	Attenut	Attenut		
(MHz)	(%)	(dB)	(dBi)	(dBd)	(%)	(%)	(dB)	(dB)	Hor	Ver		
2400	4.9	-13. 13	-7. 58	-9.73	2.779	2.091	-7. 58	-25.82	51.43	51.57		
2410	4.4	-13. 59	-8.72	-10.87	2.455	1.926	-8.72	-26.6	51.47	51.52		
2420	4.6	-13. 37	-8.84	-10.99	2.551	2.048	-8.84	-26.05	51.49	51.69		
2430	4.6	-13. 39	-9.33	-11.48	2.422	2. 161	-9.33	-23. 45	51. 57	51.63		
2440	4.6	-13.38	-9.57	-11.72	2.351	2. 241	-9.57	-24. 49	51.71	51.7		
2450	4.6	-13.41	-9.4	-11.55	2. 232	2.33	-9.4	-22. 24	51.83	51.78		
2460	5. 2	-12.81	-8.58	-10.73	2.542	2.699	-8.58	-22.02	51. 98	51.88		
2470	5. 2	-12.84	-9.01	-11. 16	2.508	2.695	-9.01	-22.67	52	51.93		
2480	5	-12.98	-8.67	-10.82	2.374	2.661	-8.67	-20.57	52	52.05		
2490	4.7	-13. 29	-9. 19	-11.34	2.149	2.535	-9. 19	-20.39	51. 92	51.83		
2500	5. 1	-12.91	-8.84	-10.99	2. 356	2.764	-8.84	-19.9	51. 79	51. 78		

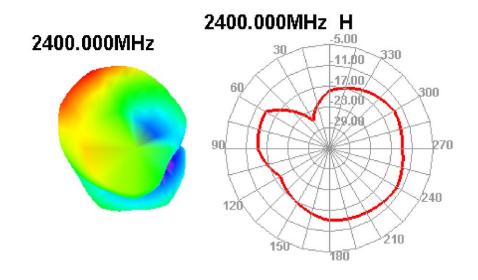
# 2400.00MHz - 2500.00MHz Gain

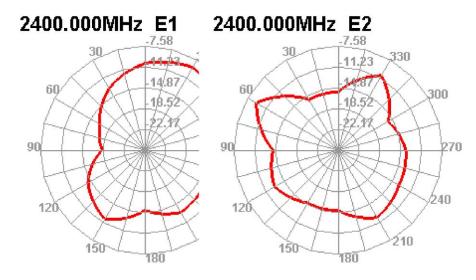


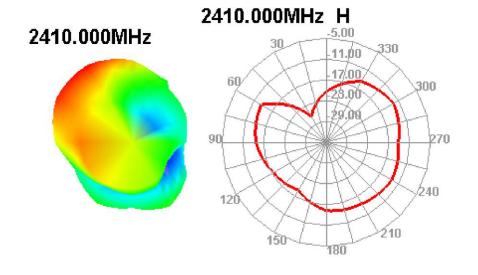
# 2400.00MHz - 2500.00MHz Efficiency



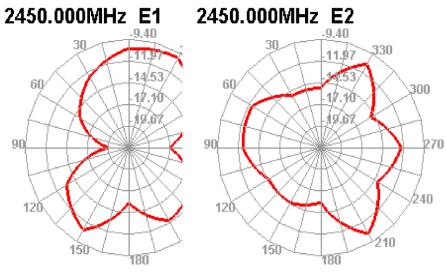
### 4. 2D/3D Radiated Pattern







2410.000MHz E1 2410.000MHz E2 8.72 12.29 15.87 15.87 60 60/ 300 19.45 19.45 23.02 23.02 90 90 270 150 150 2450.000MHz H 5.00 2450.000MHz 330 11.00 17,00 60 300 28.00 29.00 900 270 120 210 150



2500.000MHz H 2500.000MHz -5.00 30 330 11.00 17,00. 60/300 28.00 29.00 90!270 240 120 150 180

