

Antenna test report

1. Specification

Model :	Chiheng tag
Manufacturer:	Zhuhai Heng Yu New Technology Company Limited
Address :	No. 10, Yingyue Road, Yunong Village North, Sanzao Town, Zhuhai, Guangdong, P.R. China
Antenna Type :	PCB antenna

2. Technical Information

Frequency Range	2402MHz~2480MHz
Test Frequency	2400, 2410……2500MHz

3. Appendix A Antenna Dimension

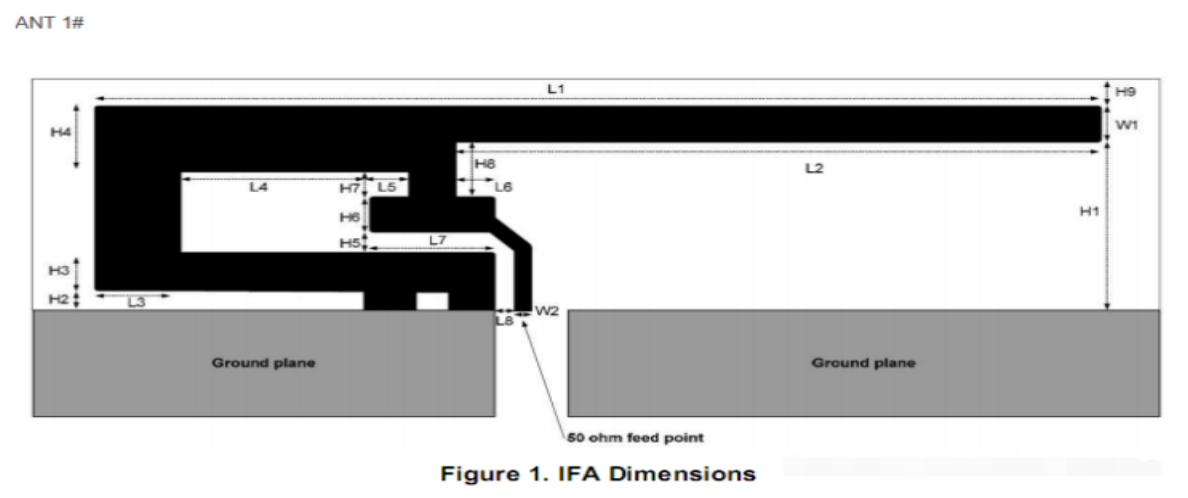


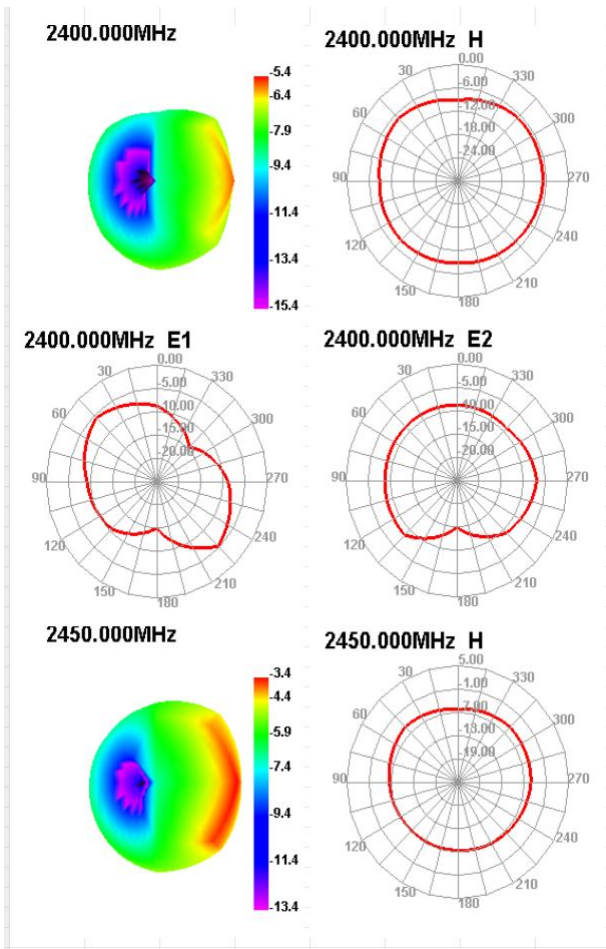
Table 1. IFA Dimensions

H1	5.70 mm	W2	0.46 mm
H2	0.74 mm	L1	25.58 mm
H3	1.29 mm	L2	16.40 mm
H4	2.21 mm	L3	2.18 mm
H5	0.66 mm	L4	4.80 mm
H6	1.21 mm	L5	1.00 mm
H7	0.80 mm	L6	1.00 mm
H8	1.80 mm	L7	3.20 mm
H9	0.61 mm	L8	0.45 mm
W1	1.21 mm		

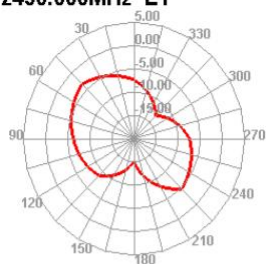
4. Appendix C Gain and Efficiency

Passive Test For BT2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHIS (%)	DHIS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	14.59	-8.36	-5.4	-7.55	0	0	-5.4	-15.03	8.36	0	46.98	46.74
2410	14.93	-8.26	-5.29	-7.44	0	0	-5.29	-15.74	8.26	0	47.02	46.81
2420	15.43	-8.12	-4.89	-7.04	0	0	-4.89	-16	8.12	0	47.61	47.33
2430	16.83	-7.74	-4.49	-6.64	0	0	-4.49	-16.08	7.74	0	47.09	46.89
2440	21.14	-6.75	-3.6	-5.75	0	0	-3.6	-15.35	6.75	0	47.31	47.09
2450	22	-6.57	-3.43	-5.58	0	0	-3.43	-15.13	6.57	45	47.33	47.06
2460	23	-6.38	-3.14	-5.29	0	0	-3.14	-14.84	6.38	45	47.74	47.47
2470	24.35	-6.13	-2.9	-5.05	0	0	-2.9	-14.85	6.13	0	47.62	47.29
2480	26.83	-5.71	-2.31	-4.46	0	0	-2.31	-15	5.71	0	47.53	47.33
2490	35.81	-4.46	-0.85	-3	0	0	-0.85	-14.08	4.46	0	47.51	47.26
2500	34.38	-4.64	-0.91	-3.06	0	0	-0.91	-13.93	4.64	0	47.26	47.03

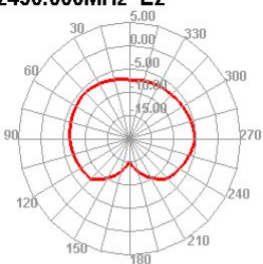
5. Appendix D Radiation Pattern



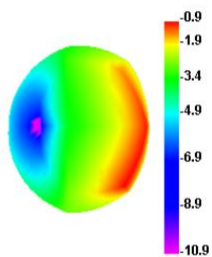
2450.000MHz E1



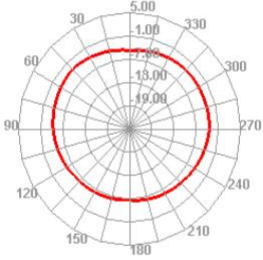
2450.000MHz E2



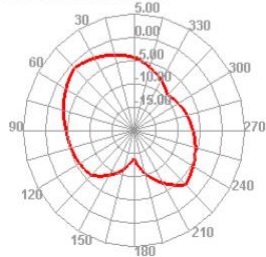
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

