

天线产品规格书

Specification For Approval

客户名称: Chuanyi group dongguan meitai electronics co., ltd
Customer

供 应 商: Guangdong hetong Jianye technology co., ltd
Supplier

客户料号:
Customer P/N

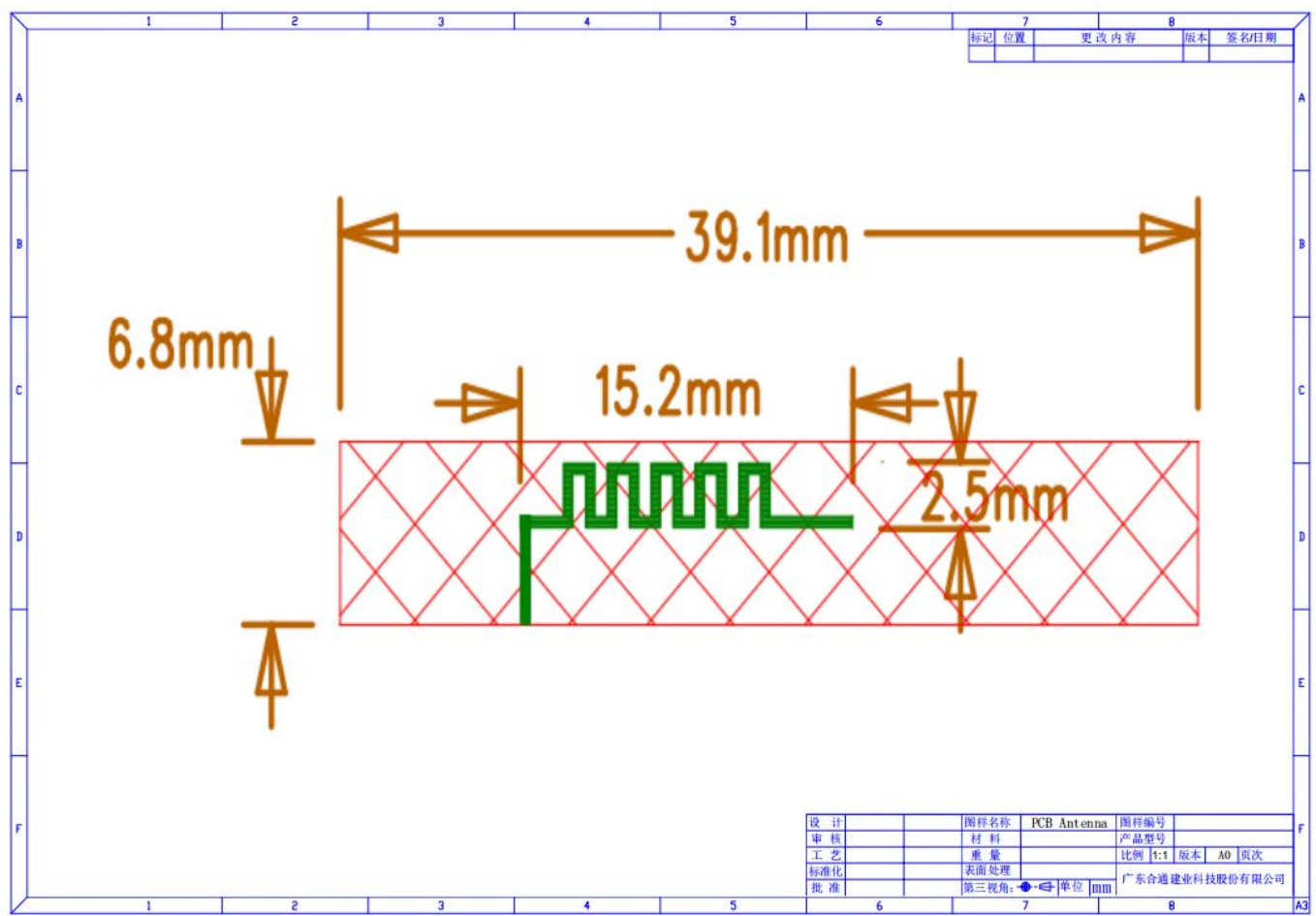
产品名称: 2.4G PCB Antenna
Production Name

产品型号: K33-MainBoard-PCB antenna
Production Number

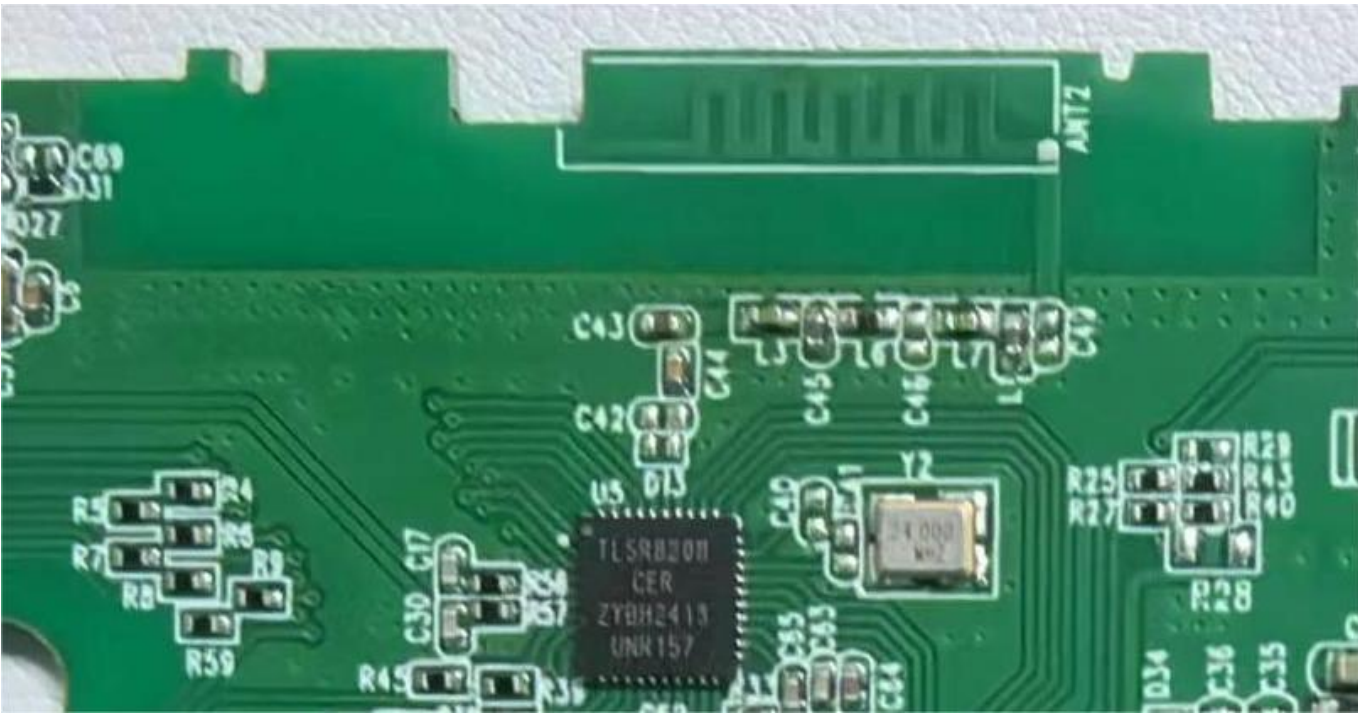
供应商确认盖章(Supplier Signature)		
工程师 Engineer	审核 Checked by	批准 Approved by
Liu Guangjin	Xie Qianju	Yang Jingsong
March 19(th), 2025	March 19(th), 2025	March 19(th), 2025

客户确认盖章(Customer Signature)		
工程师 Engineer	审核 Checked by	批准 Approved by
Lu Yingwen	Zeng Zhongyu	Zhu zhiyun
March 20(th), 2025	March 20(th), 2025	March 20(th), 2025

1, product structure drawings (mm)



2.Productphysicaldrawings



3. Antennagainparameters



广东合通建业科技股份有限公司

Frequency ID	1	2	3	4	5	6	7	8	9
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0
Efficiency (dBi)	-2.58	-2.52	-2.68	-2.45	-2.83	-2.62	-2.48	-2.43	-2.19
Gain (dBi)	1.62	1.72	1.72	2.14	1.88	2.17	2.35	2.43	2.38
Efficiency (%)	55.23	56.03	53.90	56.85	52.12	54.66	56.53	57.15	56.68
Directivity (dB)	4.20	4.24	4.40	4.59	4.71	4.79	4.83	4.86	5.04
Peak Gain Position (Theta)	45.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
Peak Gain Position (Phi)	285.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Efficiency ThetaPol (%)	33.16	33.48	32.07	34.02	31.43	32.99	34.20	34.76	36.86
Efficiency PhiPol (%)	22.07	22.55	21.83	22.84	20.69	21.67	22.33	22.39	23.52
Upper Hem. Efficiency (%)	31.96	32.28	30.92	32.47	29.64	30.97	31.79	31.93	33.49
Lower Hem. Efficiency (%)	23.26	23.75	22.98	24.38	22.48	23.69	24.73	25.22	26.88
T90(H)圆度	8.89	8.44	8.18	7.94	8.10	8.42	8.39	8.26	7.90
Gain 15deg (dBi)									
E1(XZ)波瓣宽度	75.00	73.00	71.00	70.00	72.00	73.00	74.00	74.00	73.00
E1(XZ)前后比	2.41	2.54	2.67	2.72	2.75	2.80	2.81	2.77	2.86
E2(YZ)波瓣宽度	52.00	52.00	51.00	51.00	54.00	53.00	51.00	49.00	50.00
E2(YZ)前后比	1.83	2.07	2.23	2.34	2.31	2.47	2.57	2.54	2.46
最大增益处轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
顶点(Theta=0)处轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
仰角10度最差(大)轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Hc(XY)波瓣宽度	47.00	46.00	47.00	160.00	134.00	48.00	48.00	47.00	46.00
Hc(XY)前后比	0.00	0.00	0.00	0.01	0.07	0.00	0.00	0.00	0.00

4. Antennapattern (2Dand3D)

