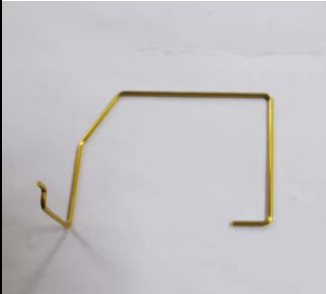
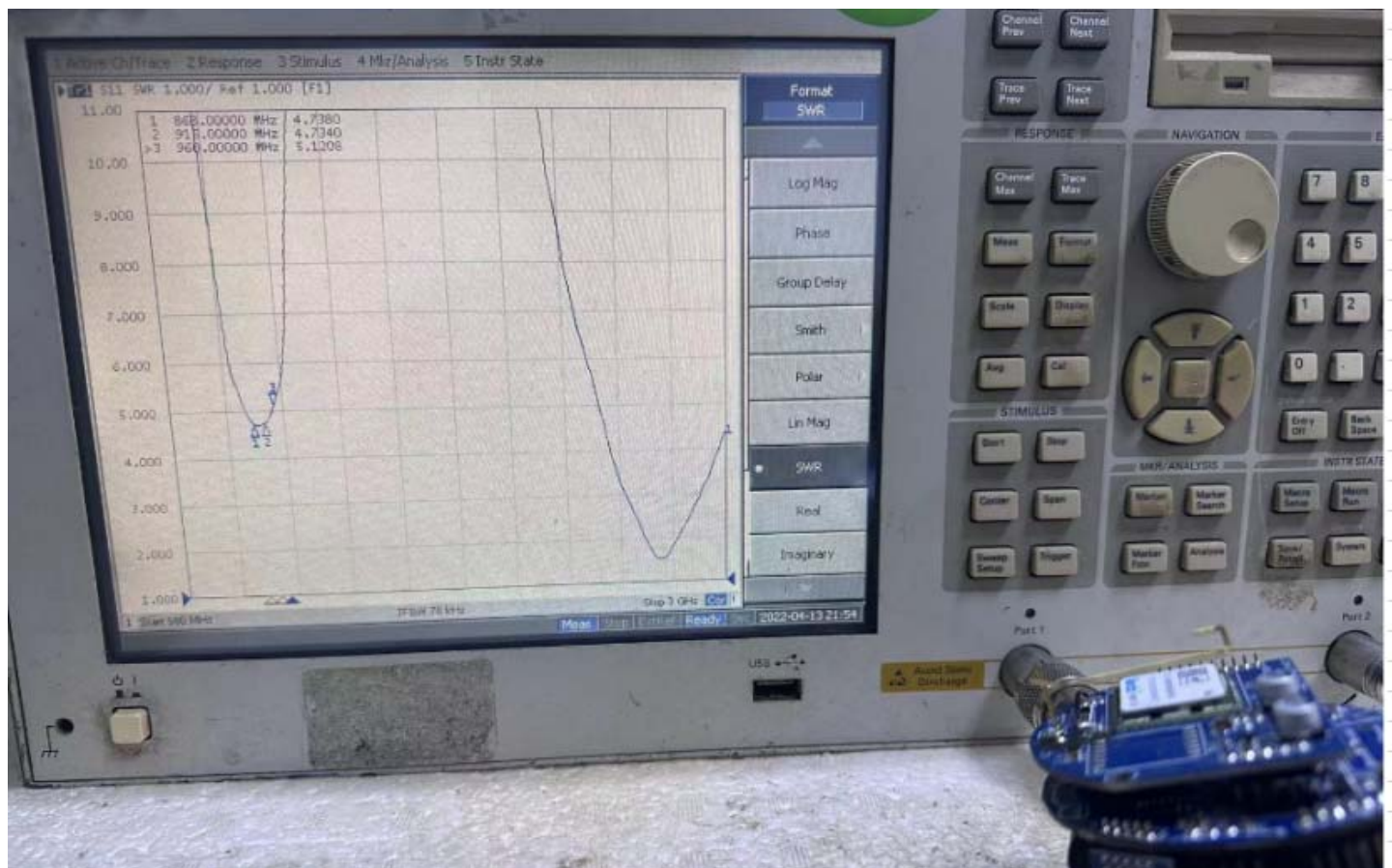


Hangzhou Xinke Micro Sample Specification

Customer/Project Name	Fonda - Street Lamp Controller -868/915/923/- Three in One Spring Antenna	Frequency band	860-960MHz
Item number	XKW-FDZK-TH-T868/915/923/-A-01	version	C
date	2023.5.26 Update (height change)		
Customer Project Name	Customer Project Name: Street light controller -868/915/923/-three in one spring antenna		
Part Number	Customer Project Number:		
Antenna Gain	-3.5dBi		
Antenna Type	Spring Antenna		
Antenna manufacturer	Hangzhou Xinke Microelectronics Technology Co., Ltd		
Manufacturer Address	2nd Floor, Building 4, No. 99 Xinting Road, Xixing Street, Binjiang District, Hangzhou City, Zhejiang Province		
Antenna image:			

(1) : Standing wave return loss:



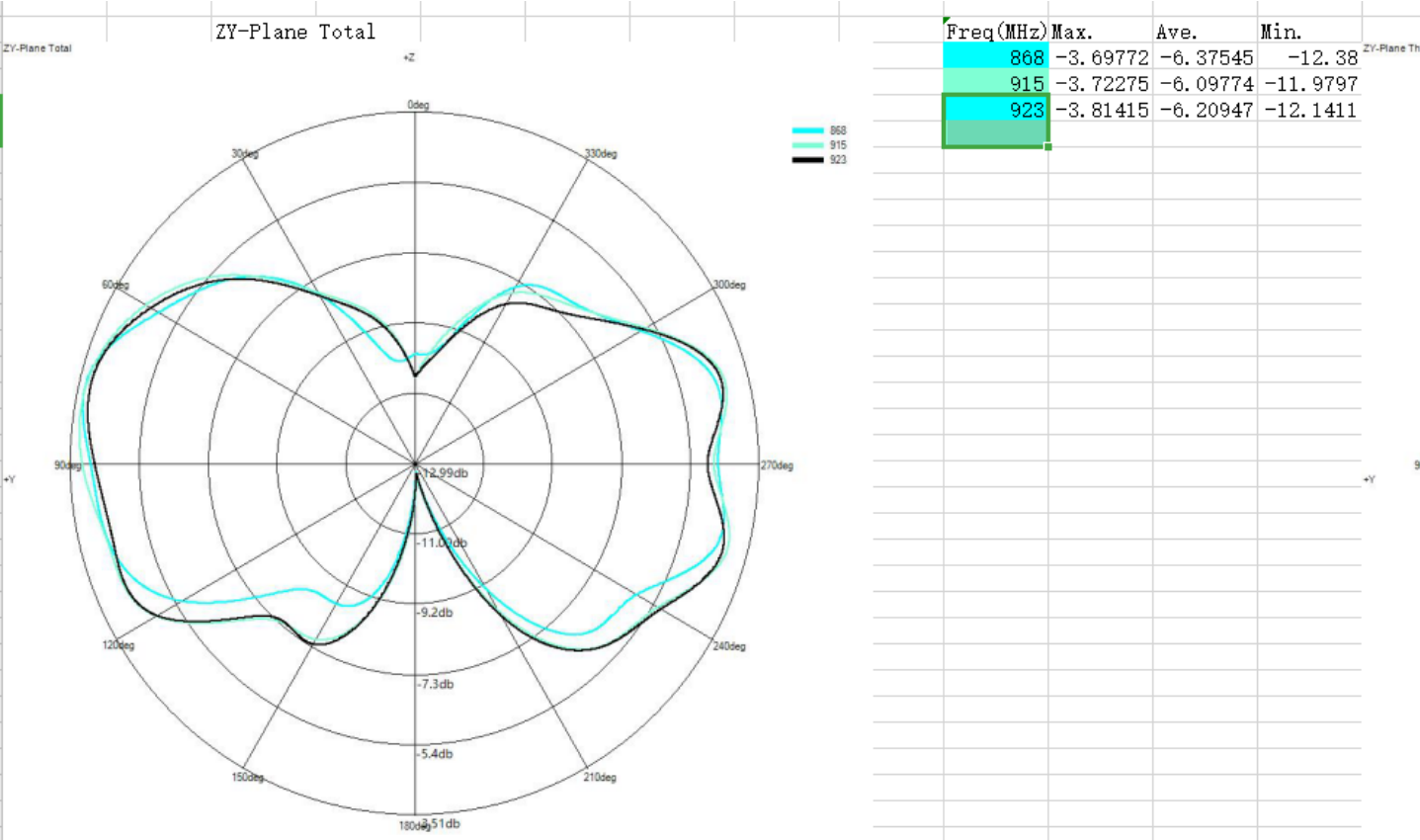
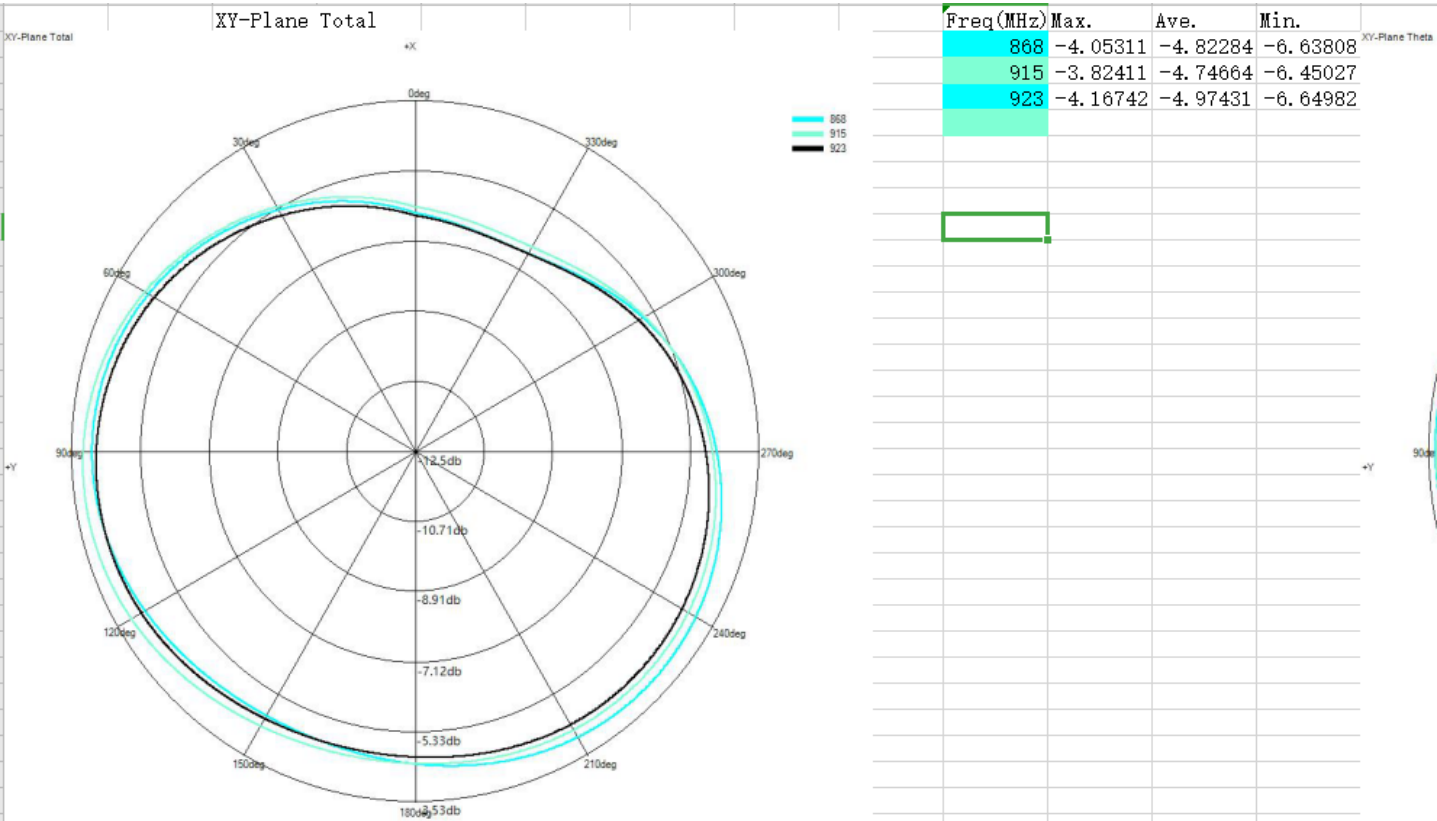
(2) : Passive efficiency:

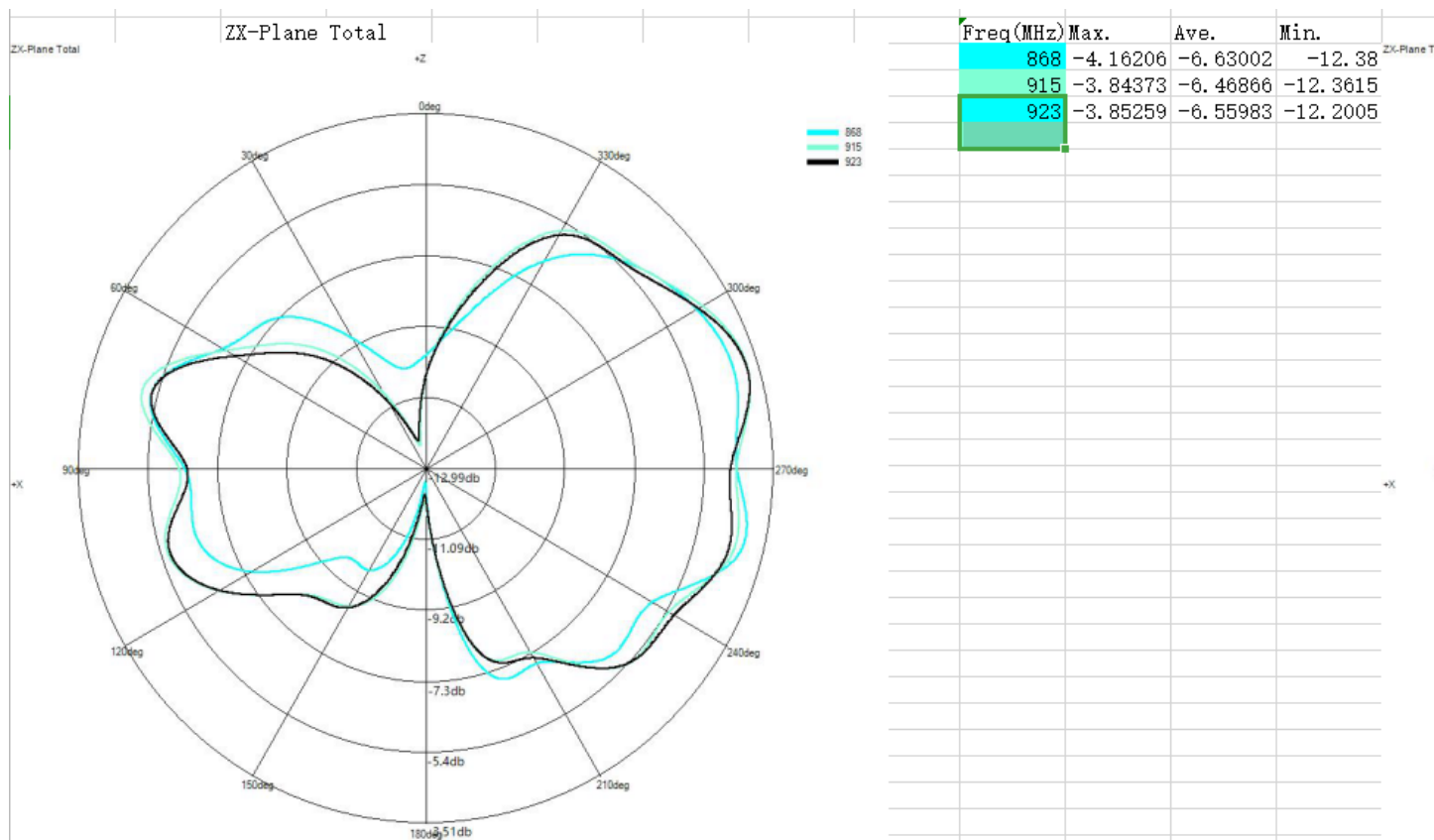
f _{req} (MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
860	-3.640128245	-5.909195043	25.64959403
861	-3.665106557	-5.885925655	25.78739273
862	-3.682112041	-5.869369453	25.88588722
863	-3.668867719	-5.855534298	25.9684824
864	-3.64306101	-5.83864366	26.06967602
865	-3.622213483	-5.829667693	26.12361235
866	-3.589498257	-5.836246928	26.08406701
867	-3.580355166	-5.849461485	26.00481997
868	-3.585071171	-5.863808641	25.91905337
869	-3.557816259	-5.850006299	26.00155792
870	-3.599191836	-5.866611573	25.90233064
871	-3.604696856	-5.866812826	25.90113034
872	-3.589102019	-5.844930223	26.03196656
873	-3.634662207	-5.851604608	25.99199048
874	-3.611649971	-5.827804494	26.13482225
875	-3.644156243	-5.835010681	26.09149306
876	-3.65056138	-5.824692882	26.1535539
877	-3.679927753	-5.830270909	26.11998415
878	-3.694924554	-5.839820508	26.06261263
879	-3.697707533	-5.837502964	26.07652425
880	-3.699087425	-5.818750387	26.18936457
881	-3.718739259	-5.82837289	26.131402
882	-3.704625708	-5.810755943	26.23761805
883	-3.688678241	-5.793662822	26.34108852
884	-3.657083524	-5.776941559	26.44270282
885	-3.601122159	-5.757998624	26.55829176
886	-3.550043985	-5.730525207	26.72683172
887	-3.512901711	-5.706212764	26.87687204
888	-3.502056143	-5.694614949	26.94874253
889	-3.511095389	-5.698515577	26.9245493
890	-3.557087699	-5.699150276	26.92061471

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
891	-3.600760725	-5.694032416	26.95235749
892	-3.606526973	-5.692313397	26.96302785
893	-3.605172999	-5.68827036	26.9881406
894	-3.589464026	-5.684362709	27.01243464
895	-3.549132447	-5.650218374	27.22564407
896	-3.550092361	-5.668120553	27.11364745
897	-3.560937971	-5.690661598	26.97328494
898	-3.562991812	-5.695764502	26.94161029
899	-3.576901731	-5.710722791	26.84897564
900	-3.640911578	-5.752505677	26.59190388
901	-3.599581885	-5.719260715	26.79624429
902	-3.60524352	-5.708198407	26.86458644
903	-3.606516047	-5.698323501	26.92574013
904	-3.563310864	-5.666446629	27.12410001
905	-3.543657259	-5.643171184	27.26985832
906	-3.531182614	-5.623598626	27.39303405
907	-3.528902961	-5.62610196	27.37724888
908	-3.521522761	-5.618847798	27.4230162
909	-3.501914449	-5.609712786	27.48075887
910	-3.506689245	-5.60822899	27.49014945
911	-3.523401009	-5.60378409	27.51829937
912	-3.5389163	-5.601459362	27.53303354
913	-3.555611342	-5.600830532	27.53702043
914	-3.567870509	-5.598884327	27.54936337
915	-3.558782943	-5.597401168	27.55877336
916	-3.550507662	-5.60538465	27.50815957
917	-3.554159995	-5.620808556	27.41063802
918	-3.528565891	-5.621234718	27.40794841
919	-3.531935202	-5.632084849	27.33955964
920	-3.544890966	-5.64618767	27.25092403
921	-3.554261805	-5.654319877	27.19994415
922	-3.571501848	-5.682154821	27.02617085
923	-3.631861508	-5.709360725	26.85739754

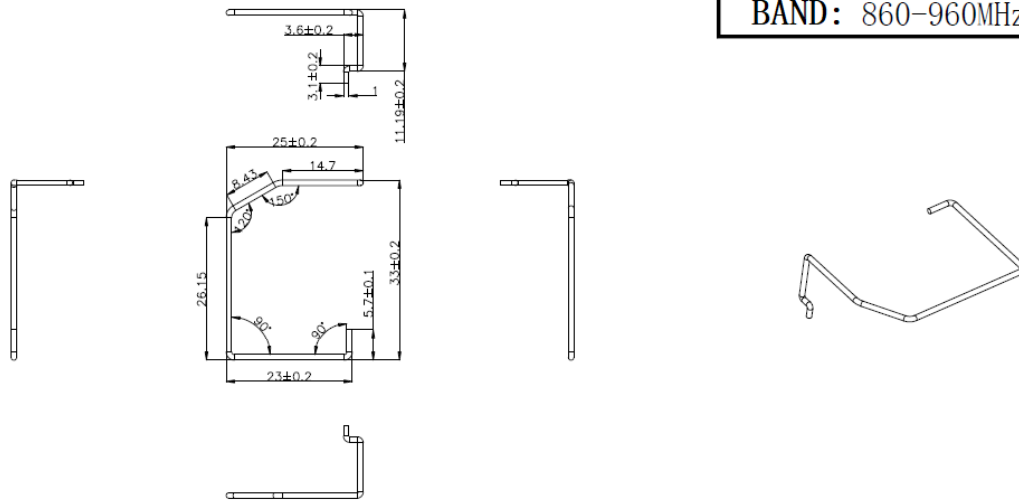
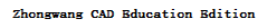
freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
925	-3.654997497	-5.715674054	26.81838336
926	-3.692584403	-5.73458361	26.70186765
927	-3.712213289	-5.742952026	26.65046539
928	-3.72533993	-5.749886159	26.60794806
929	-3.732104703	-5.757230376	26.56299022
930	-3.769598208	-5.782533865	26.4086751
931	-3.565882475	-5.834949272	26.091862
932	-3.533780972	-5.75460007	26.57908298
933	-3.577017119	-5.764274531	26.5199406
934	-3.606649367	-5.793315946	26.3431925
935	-3.665705818	-5.861288469	25.93409833
936	-3.660346177	-5.867800387	25.89524124
937	-3.609256284	-5.856004955	25.96566828
938	-3.705877763	-5.974984081	25.2639697
939	-3.70499887	-5.983736339	25.21310695
940	-3.643509897	-5.935699937	25.49353184
941	-3.622437842	-5.889857579	25.76405645
942	-3.626993102	-5.889109072	25.76849728
943	-3.63429647	-5.890124674	25.76247199
944	-3.70342912	-5.920371522	25.58367019
945	-3.758962832	-5.975117355	25.26319443
946	-3.766899869	-5.957754307	25.36439859
947	-3.731920184	-5.906051686	25.66816553
948	-3.756713755	-5.907056911	25.66222503
949	-3.738716985	-5.883612939	25.80112876
950	-3.816308159	-5.95610359	25.37404122
951	-3.882444082	-6.002107044	25.10668048
952	-3.945804946	-6.055438577	24.80025477
953	-3.967202176	-6.073332411	24.69828279
954	-4.014176574	-6.119161155	24.4390255
955	-4.004203221	-6.124061255	24.41146675
956	-3.971666394	-6.128542859	24.38628887
957	-3.974884173	-6.155365395	24.23614044
959	-3.986026755	-6.178585562	24.1069043
960	-4.032360137	-6.219780325	23.87932066

(3) : Directional pattern





(4) : Product size:



BAND: 860-960MHz

Explain:

1. Mark "★" to strictly control the size (IQC mandatory level A)
2. Wire diameter is 1mm, material: brass
3. The product complies with Rohs standards
4. Unmarked dimensional tolerances shall comply with GB/T 1804-f

Item Name	FD-868-915-923 Three in One Copper Wire		绘制/日期 DRAWN/DATE	23-05-23
			审核/日期 CHECKED/DATE	
	零件名称 PART NAME	Spring Antenna	核准/日期 APPROVED/DATE	
	Size		MATERIAL	1mm brass
	模具编号 MOLD NO.		数量 QUANTITY	视图 PROJECTION
	CUSTOMER		单位 UNIT	比例 SCALE
			页数 PAGE	版本 EDITION
				V7