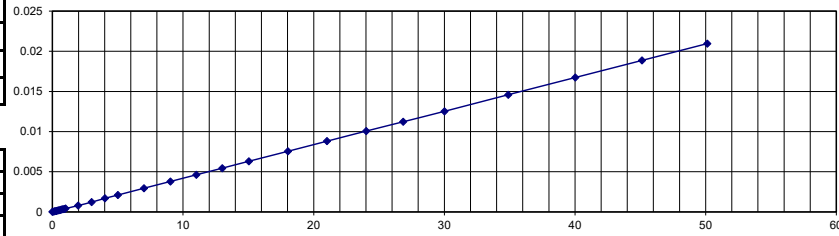


CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8348-2500-N
Lot #:	31491
TURNS/RATIO:	2500
DATE:	June 17, 2020
TESTER:	LB



TEST SETUP

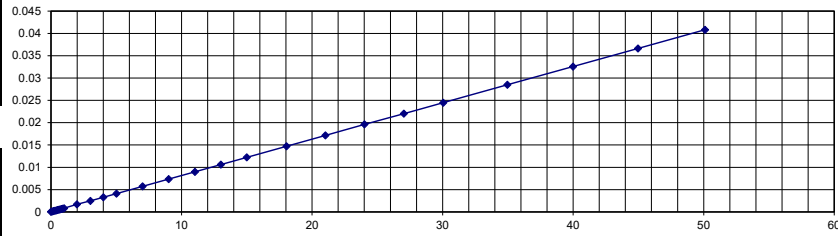
FULL SCALE PRIMARY CURRENT(Amps):	40
Burden (Ohms):	1
MEASUREMENT CT TURNS RATIO:	2500
FREQUENCY(Hz):	60

Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000533866	0.000533866	2.66433E-05	0.000238004	-0.000533739	104.9918207	20.03753967	99.19849841
0.1A	0.101453261	0.101453261	5.06625E-05	0.000440013	-0.000489225	110.3556634	2002.53194	19.89872239
0.2A	0.19937504	0.19937504	9.37494E-05	0.000405112	-0.000453097	120.6908136	2126.681378	14.93274489
0.3A	0.299593717	0.299593717	0.000134349	0.000397134	-0.000414887	132.3821179	2229.96382	10.8014472
0.4A	0.402283694	0.402283694	0.000175131	0.000376155	-0.000382545	145.7805	2297.046392	8.118144323
0.5A	0.501697164	0.501697164	0.000212526	0.000381976	-0.00034223	162.1003362	2360.641776	5.574328946
0.6A	0.603930758	0.603930758	0.000251577	0.000461538	-0.000255129	198.6076104	2400.584934	3.976602648
0.7A	0.701623728	0.701623728	0.000296666	0.000363386	-0.000278906	206.3676406	2365.033103	5.398675882
0.8A	0.800037134	0.800037134	0.000332428	0.000359564	-0.000246202	235.0224936	2406.651347	3.733946117
0.9A	0.902972068	0.902972068	0.000369439	0.000482004	-9.86297E-05	474.5719868	2444.169835	2.233206584
1A	1.00230479	1.00230479	0.000417318	0.000388527	-0.000144443	388.915578	2401.777447	3.92890213
2A	1.9715755	1.9715755	0.000793906	0.000414776	0.000283896	-179.646764	2483.385987	0.664560509
3A	2.99829814	2.99829814	0.001219766	0.000461999	0.000851346	-43.27500932	2458.093078	1.676276885
4A	4.02037435	0.040203744	0.001691964	0.000416809	0.001141861	-48.17600737	2376.157753	4.953689895
5A	5.00733834	0.050073383	0.00210334	0.000423474	0.001586612	-32.56799668	2380.660909	4.773563645
7A	7.0031326	0.035015663	0.002948507	0.00041639	0.00238217	-23.77399527	2375.14565	4.994174017
9A	9.02490054	0.045124503	0.003790351	0.000418566	0.003243655	-16.85430917	2381.019831	4.759206763
11A	11.0106542	0.022021308	0.004621521	0.000415706	0.004043331	-14.29982844	2382.474233	4.701030675
13A	13.0007969	0.026001594	0.005448835	0.000422169	0.004954668	-9.973778866	2385.977163	4.560913487
15A	15.03833875	0.030076678	0.006309022	0.000415445	0.005713741	-10.41842578	2383.624222	4.655031138
18A	18.01588075	0.036031762	0.007546028	0.000420896	0.007048946	-7.051862553	2387.465355	4.501385811
21A	21.00999295	0.042019986	0.008806238	0.000419231	0.008274171	-6.430462592	2385.808	4.567680005
24A	24.00921255	0.048018425	0.010063603	0.00040912	0.009288777	-8.341525893	2385.747114	4.57011441
27A	26.8367091	0.026836709	0.011220388	0.000411456	0.010508262	-6.776818156	2391.780867	4.328765318
30A	30.0022888	0.030002289	0.012522885	0.000423597	0.012175028	-2.857134564	2395.796879	4.168124837
35A	34.887295	0.034887295	0.014592161	0.000417419	0.014028757	-4.016063784	2390.82438	4.367024781
40A	40.013697	0.040013697	0.016732019	0.000416754	0.016142005	-3.655151285	2391.444574	4.342217055
45A	45.1198424	0.045119842	0.018860026	0.000419146	0.018377915	-2.623319502	2392.353113	4.305875461
50A	50.1259513	0.050125951	0.020958314	0.000418113	0.020424449	-2.61385644	2391.69765	4.332093997

CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8348-2500-N
Lot #:	31491
URNS/RATIO:	2500
DATE:	June 17, 2020
TESTER:	LB



TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	40
Burden (Ohms):	2
MEASUREMENT CT TURNS RATIO:	2500
FREQUENCY(Hz):	60

Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000456809	0.000456809	2.53753E-05	0.000781458	-0.000456452	105.5592406	36.00427247	98.5598291
0.1A	0.099888601	0.099888601	0.000103077	0.000679206	-0.000388964	126.5003926	1938.133979	22.47464085
0.2A	0.199431228	0.199431228	0.000170687	0.000926277	-0.000272081	162.7339428	2336.805747	6.527770122
0.3A	0.300403333	0.300403333	0.000264215	0.000841989	-0.000203873	229.5978272	2273.929788	9.042808467
0.4A	0.401092438	0.401092438	0.000348994	0.000807901	-0.000132767	362.8631586	2298.562081	8.057516758
0.5A	0.500378258	0.500378258	0.000429207	0.00070863	-0.000102226	519.859127	2331.639139	6.73443445
0.6A	0.600011107	0.600011107	0.00049981	0.000901374	8.40253E-05	-494.8324631	2400.956432	3.961742714
0.7A	0.702615959	0.702615959	0.000592295	0.000671124	1.47329E-05	-3920.232394	2372.518421	5.09926316
0.8A	0.800508469	0.800508469	0.000657993	0.000900128	0.000263751	-149.4752776	2433.180662	2.672773536
0.9A	0.900234719	0.900234719	0.00074776	0.000759673	0.000227075	-229.3013837	2407.817703	3.687291887
1A	0.996399474	0.996399474	0.000820814	0.000887516	0.000427512	-91.9979701	2427.833664	2.886653451
2A	1.9746889	1.9746889	0.001689062	0.000764866	0.001053563	-60.3190684	2338.208283	6.471668686
3A	3.00763061	3.00763061	0.002479123	0.000807347	0.001971393	-25.75493009	2426.366316	2.945347357
4A	4.00219858	0.040021986	0.003282085	0.000806987	0.002772911	-18.36242684	2438.814824	2.447407057
5A	5.00808631	0.050080863	0.004093823	0.000815339	0.003626478	-12.88701607	2446.655206	2.133791774
7A	7.01316668	0.035065833	0.005728643	0.000815595	0.005263098	-8.845456616	2448.456709	2.061731629
9A	9.00680238	0.045034012	0.007354643	0.000809349	0.006832838	-7.636723247	2449.283432	2.028662711
11A	11.01717015	0.02203434	0.008981732	0.000815877	0.008531843	-5.273059013	2453.239537	1.870418513
13A	13.00916235	0.026018325	0.010606952	0.000812797	0.010116998	-4.842876575	2452.950146	1.881994169
15A	14.9943409	0.029988682	0.012220499	0.000817287	0.011797871	-3.582241795	2453.965367	1.841385334
18A	18.0420812	0.036084162	0.014711378	0.000815805	0.014262012	-3.150787773	2452.806453	1.887741881
21A	21.0199743	0.042039949	0.017140758	0.000826547	0.016917196	-1.321509038	2452.630645	1.894774187
24A	24.0107747	0.048021549	0.019612796	0.000795525	0.018644355	-5.194287123	2448.480493	2.060780277
27A	27.0302025	0.027030203	0.022014826	0.000818943	0.021679377	-1.547318324	2455.636283	1.774548677
30A	30.037176	0.030037176	0.024477365	0.00081703	0.024084463	-1.631350852	2454.281853	1.828725868
35A	34.9504469	0.034950447	0.028491654	0.000811464	0.027904204	-2.105237541	2453.381385	1.864744596
40A	39.9822505	0.039982251	0.032574779	0.000814262	0.032099214	-1.481547294	2454.797936	1.808082549
45A	44.9623738	0.044962374	0.036629904	0.00081703	0.036278781	-0.967848003	2454.954498	1.801820065
50A	50.0930526	0.050093053	0.04082182	0.00081492	0.040365011	-1.131696248	2454.229239	1.830830455

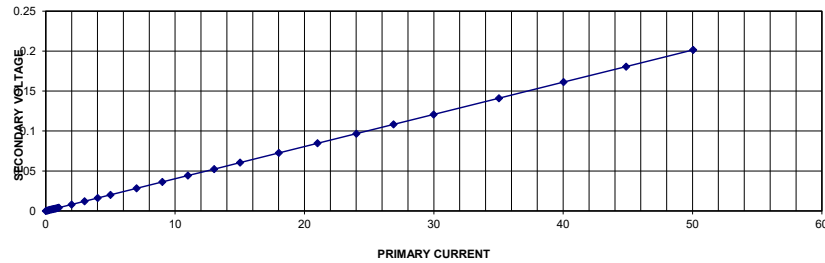
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8348-2500-N
Lot #:	31491
URNS/RATIO:	2500
DATE:	June 17, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	40
Burden (Ohms):	10
MEASUREMENT CT TURNS RATIO:	2500
FREQUENCY(Hz):	60

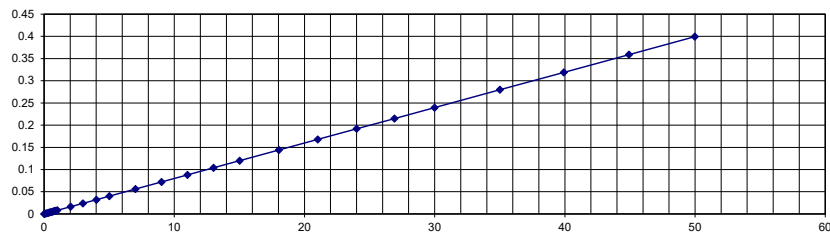


Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000620021	0.000620021	2.65395E-05	0.003938358	-0.000617579	104.2973341	233.6225006	90.65509998
0.1A	0.103054349	0.103054349	0.000429963	0.003940594	-0.000213926	300.9865884	2396.821542	4.12713833
0.2A	0.197375508	0.197375508	0.000801644	0.004111793	0.000191546	-318.5126726	2462.134459	1.514621634
0.3A	0.30065201	0.30065201	0.001226295	0.004070567	0.000603803	-103.0953786	2451.709335	1.93162661
0.4A	0.401082722	0.401082722	0.001635105	0.004055285	0.001006484	-62.45723652	2452.947205	1.88211182
0.5A	0.501613355	0.501613355	0.002042786	0.003942892	0.001357786	-50.44976241	2455.535744	1.778570225
0.6A	0.602112298	0.602112298	0.002439042	0.004062023	0.001825773	-33.58959971	2468.642315	1.254307408
0.7A	0.703253791	0.703253791	0.002849881	0.003979465	0.002178553	-30.81533861	2467.659911	1.293603548
0.8A	0.800226189	0.800226189	0.00323578	0.004140674	0.002693455	-20.13492365	2473.05527	1.077789216
0.9A	0.905259672	0.905259672	0.003670689	0.003880889	0.002893191	-26.87338853	2466.184563	1.35261748
1A	0.999518068	0.999518068	0.004036495	0.004040887	0.003418918	-18.06354146	2476.202662	0.951893514
2A	1.99514254	1.99514254	0.008059701	0.004010668	0.007381834	-9.182907324	2475.454812	0.981807525
3A	2.99882433	2.99882433	0.012085136	0.004028349	0.011460291	-5.452258127	2481.415501	0.743379979
4A	4.00621195	0.04006212	0.016143245	0.004035911	0.015548692	-3.823814248	2481.66456	0.733417591
5A	5.00133567	0.050013357	0.020159476	0.004025326	0.019511983	-3.318433096	2480.885797	0.764568102
7A	7.01260052	0.035063003	0.028255472	0.004029258	0.027635557	-2.243177853	2481.855769	0.725769235
9A	9.00508	0.0450254	0.036283686	0.004035281	0.035718009	-1.583729917	2481.853697	0.725852111
11A	10.98729765	0.021974595	0.044282492	0.00393762	0.042643779	-3.84279415	2481.183252	0.752669933
13A	13.01073625	0.026021473	0.052250023	0.004101993	0.052749932	0.94769434	2490.091947	0.396322119
15A	15.0133209	0.030026642	0.060464612	0.004035224	0.059962097	-0.838054357	2482.993003	0.680279894
18A	18.0120876	0.036024175	0.072565309	0.004030577	0.071979087	-0.814433965	2482.189895	0.71240419
21A	21.00809405	0.042016188	0.084640944	0.004027974	0.084000039	-0.762980936	2482.025026	0.718998954
24A	24.0051276	0.048010255	0.096712918	0.004022279	0.095935292	-0.810572839	2482.101483	0.71594066
27A	26.8804797	0.02688048	0.108278385	0.004018356	0.107395325	-0.82225162	2482.534229	0.698630849
30A	29.9756798	0.02997568	0.120716002	0.0040263	0.120071064	-0.537130388	2483.157105	0.673715818
35A	35.0269142	0.035026914	0.141053788	0.004042816	0.140987343	-0.047128682	2483.231021	0.670759157
40A	40.0217937	0.040021794	0.161247166	0.004004766	0.159657909	-0.99541372	2482.015324	0.719387031
45A	44.8657635	0.044865764	0.180646133	0.004036898	0.180498473	-0.081806629	2483.62712	0.654915209
50A	50.0471416	0.050047142	0.201562826	0.004027459	0.200942805	-0.308556109	2482.954947	0.68180211

CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8348-2500-N
Lot #:	31491
URNS/RATIO:	2500
DATE:	June 17, 2020
TESTER:	LB



TEST SETUP	
FULL SCALE PRIMARY CURRENT(Amps):	40
Burden (Ohms):	20
MEASUREMENT CT TURNS RATIO:	2500
FREQUENCY(Hz):	60

Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000397349	0.000397349	2.84826E-05	0.007956811	-0.000394187	107.2256522	279.0116671	88.83953331
0.1A	0.101216647	0.101216647	0.000830683	0.007853394	0.000397545	-108.953083	2436.95079	2.521968399
0.2A	0.198729801	0.198729801	0.001596492	0.008071709	0.00120674	-32.29790994	2489.581028	0.416758887
0.3A	0.302761182	0.302761182	0.002436203	0.008084709	0.002050387	-18.81674119	2485.516864	0.57932545
0.4A	0.404356469	0.404356469	0.003257571	0.007899826	0.002796997	-16.46675511	2482.564013	0.697439461
0.5A	0.500092622	0.500092622	0.00401387	0.007982638	0.003594709	-11.660504	2491.822522	0.327099108
0.6A	0.599275618	0.599275618	0.004805612	0.008045595	0.00442418	-8.621541201	2494.065644	0.23737425
0.7A	0.700203229	0.700203229	0.005617635	0.007915224	0.005144916	-9.188070591	2492.87553	0.284978791
0.8A	0.801830083	0.801830083	0.006422034	0.008044907	0.0060533	-6.091463483	2497.121801	0.115127945
0.9A	0.898806472	0.898806472	0.0072022	0.007993965	0.006787678	-6.106975786	2495.921901	0.163123956
1A	1.00624924	1.00624924	0.008061094	0.008003493	0.00765616	-5.289001852	2496.557508	0.137699672
2A	2.02756054	2.02756054	0.016235152	0.007940667	0.015702835	-3.389943605	2497.741401	0.090343966
3A	2.97793174	2.97793174	0.023781733	0.007951685	0.023282226	-2.145444794	2504.385784	-0.175431368
4A	4.00657996	0.0400658	0.03196122	0.008058571	0.031889959	-0.223459823	2507.150836	-0.28603345
5A	5.00784427	0.050078443	0.040029979	0.00799485	0.039639616	-0.984780804	2502.046907	-0.081876286
7A	7.0038209	0.035019105	0.055987513	0.007988566	0.055553133	-0.781917781	2501.922478	-0.076899111
9A	9.01464594	0.04507323	0.072051121	0.007965298	0.071406996	-0.902047767	2502.291655	-0.091666194
11A	11.01032855	0.022020657	0.087947329	0.008022901	0.087937429	-0.01125765	2503.846049	-0.153841967
13A	13.01078015	0.02602156	0.103996754	0.007966895	0.103258176	-0.715273299	2502.151202	-0.08604807
15A	15.01515	0.0300303	0.119965359	0.007984536	0.119491658	-0.396430254	2503.247625	-0.129905
18A	18.02956145	0.036059123	0.144034036	0.008005867	0.143944914	-0.061913967	2503.514024	-0.140560944
21A	21.0067752	0.04201355	0.167869212	0.007976689	0.167167168	-0.419965118	2502.754966	-0.110198647
24A	23.99915905	0.047998318	0.191738528	0.007899172	0.189176132	-1.354502567	2503.321508	-0.132860309
27A	26.900924	0.026900924	0.214660068	0.008037396	0.215816039	0.535627872	2506.374311	-0.254972434
30A	29.9859376	0.029985938	0.239455545	0.008030034	0.240390742	0.38903189	2504.50977	-0.180390811
35A	34.9982666	0.034998267	0.279704716	0.007944192	0.277635613	-0.74525853	2502.515303	-0.100612104
40A	39.9171125	0.039917113	0.318780974	0.007995866	0.318774535	-0.002019833	2504.35978	-0.174391211
45A	44.9128589	0.044912859	0.358726293	0.008019582	0.359785022	0.294267232	2504.018232	-0.160729283
50A	49.9734511	0.049973451	0.399310129	0.007990445	0.39891278	-0.099608013	2502.989405	-0.11957618

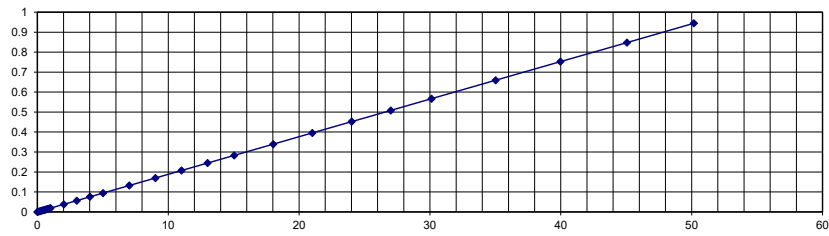
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8348-2500-N
Lot #:	31491
URNS/RATIO:	2500
DATE:	June 17, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	40
Burden (Ohms):	47
MEASUREMENT CT TURNS RATIO:	2500
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.00071054	0.00071054	2.88675E-05	0.01893237	-0.000697088	104.1411537	1156.851357	53.72594573
0.1A	0.104579704	0.104579704	0.001995357	0.018799905	0.001255548	-58.92318103	2463.341828	1.466326899
0.2A	0.201655592	0.201655592	0.003820374	0.018838894	0.003088428	-23.69964697	2480.859729	0.76561085
0.3A	0.299985683	0.299985683	0.005672804	0.018534162	0.004849443	-16.97847619	2485.424485	0.583020618
0.4A	0.404623516	0.404623516	0.007612179	0.01906849	0.007005019	-8.667500308	2498.273507	0.069059716
0.5A	0.5058293	0.5058293	0.009542021	0.01876587	0.008781786	-8.656941346	2491.503456	0.339861772
0.6A	0.597849648	0.597849648	0.011268862	0.019082545	0.010697953	-5.336626811	2493.502224	0.259911041
0.7A	0.70347453	0.70347453	0.013284454	0.018696357	0.012441871	-6.772159556	2488.871798	0.445128087
0.8A	0.80702406	0.80702406	0.015220453	0.019194982	0.014780272	-2.978166319	2492.050061	0.317997579
0.9A	0.901296094	0.901296094	0.017030003	0.018528728	0.01598933	-6.508548286	2487.428594	0.50285624
1A	1.0035322	1.0035322	0.018924308	0.018827569	0.018183531	-4.07388964	2492.350759	0.305969656
2A	2.01049235	2.01049235	0.037882919	0.01877041	0.037027225	-2.310985789	2494.346844	0.226126237
3A	3.00011352	3.00011352	0.056458515	0.018893263	0.055971392	-0.870305794	2497.503458	0.099861685
4A	4.01412467	4.01412467	0.075616494	0.018818869	0.074830745	-1.050034513	2495.009362	0.199625501
5A	5.01424605	5.01424605	0.094437647	0.018839353	0.093754609	-0.728537694	2495.504418	0.179823266
7A	7.01659784	7.01659784	0.132160658	0.018822505	0.131359407	-0.609968873	2495.297038	0.18811847
9A	9.01892746	9.01892746	0.169849517	0.018788449	0.168741119	-0.658663045	2495.677339	0.172906439
11A	11.0080711	11.0080711	0.207222441	0.018766802	0.205875754	-0.654125933	2496.734134	0.130634655
13A	13.0037131	13.0037131	0.24467426	0.018860755	0.244549308	-0.051094671	2497.91096	0.083561597
15A	15.0326211	15.0326211	0.282940997	0.018860123	0.282806542	-0.047543126	2497.10434	0.115826382
18A	18.0225471	18.0225471	0.339331369	0.018823177	0.338531052	-0.236408841	2496.261151	0.149553966
21A	21.01027055	21.01027055	0.395569816	0.018783301	0.393931703	-0.415836893	2496.35507	0.145797186
24A	24.01356145	24.01356145	0.451981534	0.018775861	0.450164748	-0.403582526	2497.087388	0.116504481
27A	27.0018557	27.0018557	0.508089331	0.018915184	0.510034536	0.381386848	2497.763957	0.089441721
30A	30.1128209	30.1128209	0.566933811	0.018843501	0.566720423	-0.037653185	2496.415904	0.14336384
35A	35.0165932	35.0165932	0.659338048	0.01880289	0.657702611	-0.248659066	2496.109371	0.155625152
40A	39.9700738	39.9700738	0.752477799	0.018719267	0.747499953	-0.665932637	2496.543381	0.138264752
45A	45.0538924	45.0538924	0.847643158	0.01895288	0.853190483	0.650185987	2498.141963	0.074321473
50A	50.1676385	50.1676385	0.944563375	0.018828141	0.943852835	-0.075280848	2496.263429	0.149462835

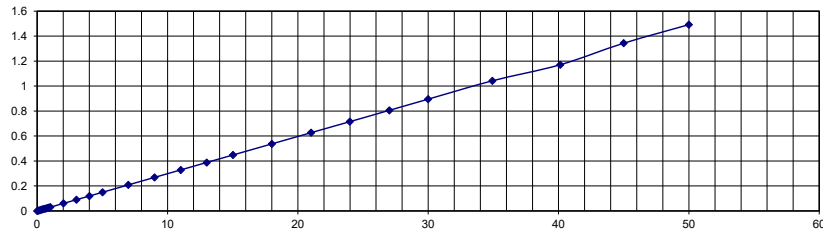
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8348-2500-N
Lot #:	31491
URNS/RATIO:	2500
DATE:	June 17, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	40
Burden (Ohms):	75
MEASUREMENT CT TURNS RATIO:	2500
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000711716	0.000711716	3.15835E-05	0.030072313	-0.000690313	104.5752456	1690.08092	32.39676319
0.1A	0.099281079	0.099281079	0.002995792	0.029733903	0.002240297	-33.72296767	2485.513088	0.579476494
0.2A	0.198470369	0.198470369	0.005945077	0.029934683	0.005229431	-13.68496572	2503.798979	-0.151959176
0.3A	0.300529386	0.300529386	0.009000181	0.029819193	0.008249827	-9.095388492	2504.361101	-0.17444041
0.4A	0.401317605	0.401317605	0.012005605	0.029762112	0.011232343	-6.884242746	2507.064086	-0.282563443
0.5A	0.498202417	0.498202417	0.014889101	0.029771198	0.014120366	-5.444156853	2509.565925	-0.382636996
0.6A	0.601450388	0.601450388	0.017962917	0.030030543	0.017350165	-3.53167668	2511.216795	-0.448671781
0.7A	0.700467778	0.700467778	0.020936463	0.029727854	0.020111687	-4.100977554	2509.262577	-0.370503077
0.8A	0.801861959	0.801861959	0.023950695	0.029957849	0.023310343	-2.747070997	2510.977163	-0.439086516
0.9A	0.900008282	0.900008282	0.026890947	0.029759819	0.026072367	-3.139645051	2510.161529	-0.406461175
1A	1.00028296	1.00028296	0.029875104	0.029909018	0.029205764	-2.291804533	2511.161911	-0.446476445
2A	2.01194421	2.01194421	0.060132898	0.029802356	0.059248962	-1.491901667	2509.372091	-0.374883646
3A	3.00577277	3.00577277	0.089751331	0.029673052	0.088478736	-1.438305369	2511.750589	-0.47002356
4A	4.00009371	0.040000937	0.119255868	0.02995839	0.119124652	-0.110150429	2515.658418	-0.62636727
5A	5.00494797	0.05004948	0.149359684	0.029739099	0.148130924	-0.82950926	2513.202276	-0.528091034
7A	6.98312794	0.03491564	0.208188973	0.029935878	0.208334347	0.069779236	2515.669294	-0.626769603
9A	9.000128	0.04500064	0.26856964	0.029838655	0.267839994	-0.272418618	2513.350355	-0.534014195
11A	11.00911885	0.022018238	0.328515224	0.02984099	0.327811288	-0.214738122	2513.380974	-0.53523897
13A	13.0026623	0.026005325	0.388004534	0.029746741	0.386075117	-0.499751715	2513.371848	-0.534873904
15A	15.0143929	0.030028786	0.447846964	0.029855692	0.447553381	-0.065597319	2514.429164	-0.577166579
18A	18.0032049	0.03600641	0.537080016	0.029819486	0.536134604	-0.176338516	2514.039486	-0.56157945
21A	21.010909	0.042021818	0.626768207	0.029683435	0.622964226	-0.610625837	2514.196089	-0.567843576
24A	23.9820485	0.047964097	0.714961832	0.029983019	0.718342489	0.470619174	2515.733787	-0.629351498
27A	27.0163662	0.027016366	0.805939836	0.030003042	0.80986145	0.484232756	2514.117524	-0.564700961
30A	29.9862282	0.029986228	0.89504473	0.029862216	0.8947435	-0.03366662	2512.686841	-0.507473632
35A	34.9125974	0.034912597	1.04215703	0.024730511	0.862694671	-20.80253482	2512.524245	-0.500969801
40A	40.1288009	0.040128801	1.17115641	0.0353938	1.419599035	17.50090124	2569.819062	-2.792762497
45A	44.9924403	0.04499244	1.34329909	0.029713997	1.336193532	-0.531776102	2512.048916	-0.481956628
50A	49.9910081	0.049991008	1.49182652	0.029841897	1.491114804	-0.047730494	2513.245044	-0.529801749

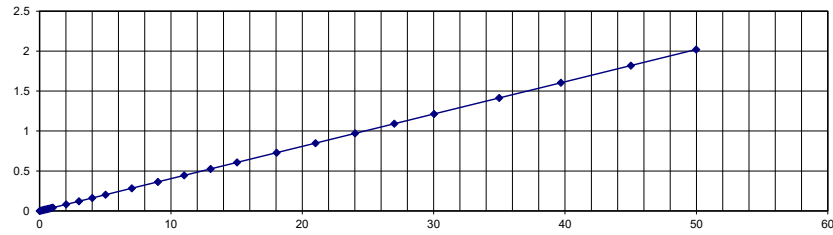
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8348-2500-N
Lot #:	31491
URNS/RATIO:	2500
DATE:	June 17, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	40
Burden (Ohms):	100
MEASUREMENT CT TURNS RATIO:	2500
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000805824	0.000805824	2.59494E-05	0.040762018	-0.000772977	103.3570716	3105.36772	-24.2147088
0.1A	0.101251776	0.101251776	0.004120329	0.040499987	0.003294872	-25.05279849	2457.371111	1.705155559
0.2A	0.205003585	0.205003585	0.008322276	0.04040496	0.007477337	-11.29999245	2463.311536	1.467538566
0.3A	0.309072282	0.309072282	0.012527168	0.040338729	0.011661759	-7.420910735	2467.216009	1.311359651
0.4A	0.394115116	0.394115116	0.015957687	0.041185184	0.015425879	-3.447504501	2469.750839	1.209966434
0.5A	0.493516282	0.493516282	0.020051543	0.039578888	0.018727001	-7.072895599	2461.238478	1.550460861
0.6A	0.601117722	0.601117722	0.024310288	0.04155451	0.024173328	-0.566573958	2472.688618	1.092455265
0.7A	0.696266988	0.696266988	0.028264169	0.039781764	0.026892905	-5.098891165	2463.426354	1.462945824
0.8A	0.802908486	0.802908486	0.032506556	0.039751337	0.031110862	-4.486194714	2469.989403	1.200423881
0.9A	0.904858696	0.904858696	0.036559213	0.040986232	0.036280925	-0.76703823	2475.049705	0.998011798
1A	1.01093862	1.01093862	0.04090703	0.04047145	0.040108328	-1.991361816	2471.307823	1.147687099
2A	2.01172581	2.01172581	0.081410338	0.040378041	0.080423723	-1.226771089	2471.093791	1.156248361
3A	2.99236734	2.99236734	0.121006722	0.040291277	0.119760477	-1.040614596	2472.893481	1.084260757
4A	4.003167	0.04003167	0.161733131	0.040505052	0.161342664	-0.242010985	2475.168183	0.993272677
5A	5.01151988	0.050115199	0.202576517	0.040556782	0.202445293	-0.064819612	2473.889844	1.044406248
7A	7.02103952	0.035105198	0.284076166	0.040285702	0.28204168	-0.721342209	2471.534173	1.138633081
9A	8.99806592	0.04499033	0.363722062	0.0404062	0.362771831	-0.261936236	2473.885106	1.04459575
11A	11.0085211	0.022017042	0.444956917	0.040424916	0.444212721	-0.167531375	2474.064495	1.037420214
13A	13.0152263	0.026030453	0.526077807	0.040302071	0.523734756	-0.447373652	2474.011663	1.039533492
15A	15.02274165	0.030045483	0.606984834	0.040476796	0.607266632	0.046404282	2474.97809	1.000876407
18A	18.03703425	0.036074069	0.728993742	0.040331661	0.726657721	-0.32147473	2474.237186	1.03051255
21A	21.0015279	0.042003056	0.848556694	0.040442659	0.848551805	-0.000576148	2474.970506	1.001179775
24A	24.00891125	0.048017823	0.970183273	0.040389526	0.968902716	-0.132165685	2474.677921	1.012883161
27A	27.0001201	0.02700012	1.09099678	0.040660792	1.097040439	0.550905778	2474.81208	1.007516814
30A	30.0201513	0.030020151	1.21379364	0.040362327	1.210877338	-0.240842056	2473.250008	1.069999675
35A	34.98167	0.03498167	1.41405208	0.040340508	1.410372506	-0.260893738	2473.860086	1.045596567
40A	39.6760063	0.039676006	1.60342399	0.040527124	1.607148602	0.231752805	2474.455075	1.021796986
45A	45.001854	0.045001854	1.81926528	0.040428775	1.818564012	-0.038561656	2473.627925	1.054882991
50A	49.9839107	0.049983911	2.02068373	0.040426683	2.019877906	-0.039894694	2473.613755	1.055449781

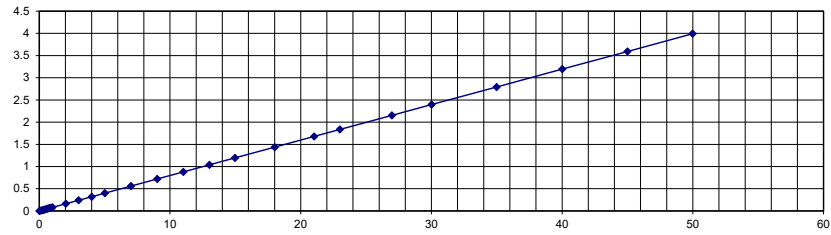
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8348-2500-N
Lot #:	31491
TURNS/RATIO:	2500
DATE:	June 17, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	40
Burden (Ohms):	200
MEASUREMENT CT TURNS RATIO:	2500
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.00074372	0.00074372	0.000284803	0.078581093	-0.000685278	141.5602923	522.2690417	79.10923833
0.1A	0.100481057	0.100481057	0.008122272	0.07989592	0.007284307	-11.50371308	2474.21049	1.031580407
0.2A	0.200531188	0.200531188	0.01611587	0.079860693	0.01527084	-5.53617678	2488.617654	0.45529383
0.3A	0.300190833	0.300190833	0.024074758	0.079915063	0.023246049	-3.564943807	2493.822237	0.247110522
0.4A	0.401920082	0.401920082	0.032204457	0.079885549	0.031363887	-2.680058674	2496.052515	0.157899385
0.5A	0.501474061	0.501474061	0.040157382	0.079785305	0.039266541	-2.268701192	2497.543626	0.098254962
0.6A	0.601056454	0.601056454	0.048102593	0.079886863	0.047272795	-1.755339832	2499.060509	0.037579637
0.7A	0.703357867	0.703357867	0.056275132	0.079765984	0.055360313	-1.652482601	2499.711118	0.011555264
0.8A	0.79966476	0.79966476	0.063957146	0.079847955	0.063107876	-1.345743409	2500.626771	-0.02507085
0.9A	0.901465353	0.901465353	0.072085715	0.079724225	0.071124906	-1.350875759	2501.092895	-0.04371579
1A	1.00074959	1.00074959	0.080001074	0.079881633	0.079197791	-1.014274424	2501.840382	-0.073615262
2A	2.02545139	2.02545139	0.161855927	0.079720885	0.160727057	-0.702352111	2502.783095	-0.111323819
3A	2.99581074	2.99581074	0.239213833	0.079718978	0.23807925	-0.476556853	2504.71363	-0.1885452
4A	4.00249496	0.04002495	0.31946567	0.079935357	0.319197144	-0.084125558	2505.743393	-0.229735733
5A	5.01169009	0.050116901	0.400136043	0.079913953	0.399760248	-0.094005162	2504.993078	-0.199723123
7A	7.00685004	0.03503425	0.559577162	0.079823931	0.558570595	-0.180204091	2504.337388	-0.173495501
9A	9.01546942	0.045077347	0.719913057	0.079509154	0.716068629	-0.536879883	2504.599502	-0.183980077
11A	11.00690225	0.022013805	0.878250197	0.079995055	0.879754036	0.170938569	2506.552754	-0.26211016
13A	13.00850125	0.026017003	1.03836822	0.080180218	1.042280744	0.375380995	2505.566137	-0.222645489
15A	14.960417	0.029920834	1.19487325	0.079410436	1.187269523	-0.640438173	2504.101084	-0.164043341
18A	18.0003299	0.03600066	1.43627406	0.080167897	1.442304872	0.4181371	2506.531365	-0.261254596
21A	21.018027	0.042036054	1.67819649	0.079669827	1.673758846	-0.265130433	2504.835057	-0.193402264
24A	22.99361295	0.045987226	1.83559108	0.079553417	1.828476763	-0.389084348	2505.308857	-0.212354268
27A	26.9749034	0.026974903	2.15231634	0.080532064	2.171600934	0.888035813	2506.592818	-0.263712722
30A	30.0163368	0.030016337	2.39724925	0.079411854	2.382909239	-0.60178588	2504.231615	-0.169264585
35A	34.9844544	0.034984454	2.79177668	0.080367105	2.810855613	0.678758903	2506.250206	-0.25008249
40A	40.0009271	0.04000927	3.19493607	0.079336401	3.172785879	-0.698130669	2504.020501	-0.160820057
45A	44.9953209	0.044995321	3.5911733	0.080489567	3.620910193	0.821254642	2505.88413	-0.235365194
50A	49.9769029	0.049976903	3.99213868	0.079879673	3.99139496	-0.018633082	2503.765871	-0.150634847

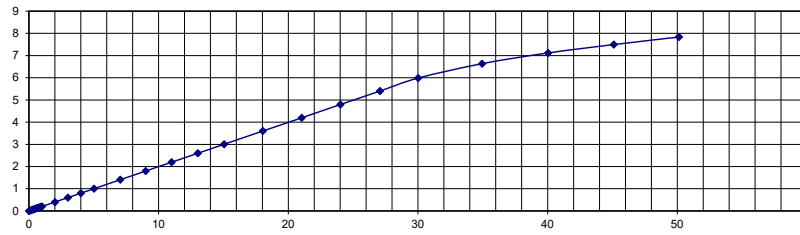
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8348-2500-N
Lot #:	31491
URNS/RATIO:	2500
DATE:	June 17, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	40
Burden (Ohms):	500
MEASUREMENT CT TURNS RATIO:	2500
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000672418	0.000672418	0.000277393	0.199568501	-0.000538224	151.5384562	1212.032955	51.51868182
0.1A	0.09964219	0.09964219	0.020028642	0.199729372	0.019229054	-4.158226125	2487.492454	0.500301825
0.2A	0.199472461	0.199472461	0.039967679	0.199638768	0.039150018	-2.088531962	2495.422126	0.183114961
0.3A	0.303307004	0.303307004	0.060697079	0.199667085	0.059888007	-1.350974567	2498.530473	0.058781082
0.4A	0.397438271	0.397438271	0.079491995	0.200215067	0.078900712	-0.749400924	2499.863486	0.00546055
0.5A	0.501541975	0.501541975	0.100335125	0.200625435	0.099949659	-0.385660397	2499.333982	0.02664072
0.6A	0.602632328	0.602632328	0.120616421	0.197606565	0.118411686	-1.861923381	2498.135507	0.074579729
0.7A	0.698554951	0.698554951	0.139571361	0.199823794	0.138915483	-0.472141945	2502.501036	-0.10004144
0.8A	0.800411905	0.800411905	0.159924804	0.199818117	0.159264382	-0.414670394	2502.463298	-0.098531933
0.9A	0.900835812	0.900835812	0.17999132	0.199006174	0.17859947	-0.77931343	2502.442373	-0.097694933
1A	1.00133891	1.00133891	0.199992057	0.199577034	0.199171832	-0.411817982	2503.446699	-0.137867975
2A	1.99986321	1.99986321	0.399274575	0.199510627	0.398321545	-0.239261504	2504.370846	-0.174833822
3A	2.99609908	2.99609908	0.598034218	0.199884087	0.598200112	0.027732184	2504.95623	-0.198249191
4A	4.00463343	0.040046334	0.799624186	0.19906977	0.796529038	-0.388579447	2504.072225	-0.16288902
5A	5.01095766	0.050109577	0.999952919	0.199864769	1.000841477	0.088781078	2505.596796	-0.22387184
7A	7.03607646	0.035180382	1.40470282	0.199738	1.404699425	-0.000241664	2504.471537	-0.178861462
9A	9.00380518	0.045019026	1.79773302	0.199506824	1.795648155	-0.116106566	2504.210881	-0.168435244
11A	10.99265575	0.021985312	2.19452228	0.198709879	2.183676876	-0.496657891	2504.566905	-0.182676204
13A	13.02776725	0.026055535	2.59891904	0.199910415	2.603713934	0.184155938	2506.381894	-0.255275747
15A	15.05253825	0.030105077	3.00369185	0.200069248	3.01087759	0.238659329	2505.672852	-0.226914089
18A	18.03890605	0.036077812	3.60117221	0.198374409	3.577784907	-0.653681089	2504.588089	-0.183523576
21A	21.03491775	0.042069836	4.19550426	0.20072364	4.221532832	0.616566847	2506.840233	-0.273609304
24A	24.01074985	0.0480215	4.79282411	0.19884096	4.773648139	-0.401704737	2504.864491	-0.194579642
27A	27.0639843	0.027063984	5.39993218	0.199272888	5.392445906	-0.138828919	2505.955945	-0.238237807
30A	30.0106022	0.030010602	5.98711324	0.131336357	3.940810758	-51.92592611	2506.266459	-0.250658362
35A	34.9419702	0.03494197	6.63478115	0.095010765	3.319190885	-99.89152114	2633.242108	-5.329684311
40A	40.0363359	0.040036336	7.11880073	0.074325501	2.975048324	-139.2835327	2812.014089	-12.48056356
45A	45.1005832	0.045100583	7.49520345	0.067829992	3.058499787	-145.0614344	3008.629686	-20.34518743
50A	50.1235282	0.050123528	7.83590977	0.156331967	7.835237352	-0.008581973	3198.32219	-27.93288762

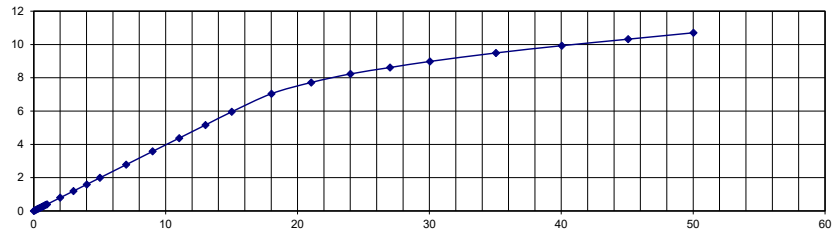
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8348-2500-N
Lot #:	31491
TURNS/RATIO:	2500
DATE:	June 17, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	40
Burden (Ohms):	1000
MEASUREMENT CT TURNS RATIO:	2500
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000687406	0.000687406	0.00020394	0.39925315	-0.000412957	149.3852941	3370.628229	-34.82512917
0.1A	0.100415551	0.100415551	0.040020716	0.400545864	0.039533628	-1.232085575	2509.089311	-0.363572455
0.2A	0.201363332	0.201363332	0.080454932	0.39369941	0.078589219	-2.374006359	2502.809042	-0.112361663
0.3A	0.300894847	0.300894847	0.119640431	0.399093958	0.11939791	-0.203120269	2514.993004	-0.599720173
0.4A	0.404150735	0.404150735	0.160849232	0.394970139	0.158940066	-1.201185928	2512.605935	-0.504237409
0.5A	0.497406076	0.497406076	0.197682307	0.396249167	0.196409338	-0.648120502	2516.18915	-0.647565996
0.6A	0.602162233	0.602162233	0.239191847	0.396844347	0.238277273	-0.383827821	2517.486447	-0.699457871
0.7A	0.700572361	0.700572361	0.27824535	0.396869636	0.277348493	-0.323368426	2517.82235	-0.712893998
0.8A	0.800656712	0.800656712	0.31796579	0.396107139	0.316458434	-0.476320352	2518.059292	-0.722371674
0.9A	0.899746413	0.899746413	0.357215928	0.396233211	0.355822005	-0.391747338	2518.774619	-0.750984766
1A	0.998676833	0.998676833	0.396415446	0.396813604	0.395601148	-0.20583815	2519.268215	-0.770728596
2A	2.00043998	2.00043998	0.793928691	0.396805196	0.793097572	-0.104793986	2519.67211	-0.786884398
3A	3.00770393	3.00770393	1.19361626	0.396780709	1.192711492	-0.075858037	2519.824864	-0.792994559
4A	4.0069917	0.040069917	1.59011437	0.396011315	1.586126647	-0.251412638	2519.939305	-0.79757219
5A	5.01308472	0.050130847	1.98853859	0.396840913	1.988709711	0.008604639	2520.989407	-0.839576264
7A	6.99896542	0.034994827	2.7766173	0.398142553	2.785898557	0.333151279	2520.680621	-0.827224839
9A	9.00657828	0.045032891	3.57593341	0.395679983	3.563035334	-0.36199687	2518.664988	-0.746599529
11A	11.0180652	0.02203613	4.37183852	0.395887708	4.361229177	-0.243264969	2520.236086	-0.809443438
13A	13.01613605	0.026032272	5.16285021	0.397537349	5.17371282	0.209957737	2521.114408	-0.844576314
15A	15.0084285	0.030016857	5.95486087	0.361115225	5.419084625	-9.886840348	2520.365938	-0.814637505
18A	18.01707055	0.036034141	7.04132732	0.22404429	4.035934376	-74.4658526	2558.760548	-2.350421909
21A	21.0318441	0.042063688	7.71677012	0.172608653	3.629590877	-112.607161	2725.472416	-9.018896626
24A	24.0053525	0.048010705	8.2300234	0.12825186	3.078043711	-167.3783796	2916.80246	-16.6720984
27A	27.0105461	0.027010546	8.61544507	0.120880715	3.264366714	-163.9239346	3135.130673	-25.40522692
30A	30.0311017	0.030031102	8.98057199	0.102005575	3.062652405	-193.2285746	3344.007679	-33.76030718
35A	35.0429251	0.035042925	9.49180592	0.08727496	3.057682476	-210.4248395	3691.913361	-47.67653446
40A	40.0268363	0.040026836	9.92677657	0.077649573	3.107379326	-219.4581519	4032.208846	-61.28835385
45A	45.0676719	0.045067672	10.3181953	0.077704066	3.501253967	-194.699996	4367.786283	-74.71145133
50A	50.0209146	0.050020915	10.7030824	0.213972145	10.70239499	-0.006422915	4673.505513	-86.94022051