

ภาคผนวก ก

ตารางแสดงผลการคำนวณจุดเรโซแนนซ์ของ cap bank step 1-12 ที่ฮาร์โมนิกลำดับต่างๆ

Resonance point 1st Capacitor Tap

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/lh)	Rsys	Req	C	Icrated
1	0.00213	0.017	0.0006	0.0176	3.46112	0.005150464	0.00006	0.00219	50000	69.3930612
2	0.00213	0.017	0.0006	0.0176	3.46112	0.02080268	0.00006	0.00219	50000	69.3930612
3	0.00213	0.017	0.0006	0.0176	3.46112	0.048001611	0.00006	0.00219	50000	69.3930612
4	0.00213	0.017	0.0006	0.0176	3.46112	0.088609334	0.00006	0.00219	50000	69.3930612
5	0.00213	0.017	0.0006	0.0176	3.46112	0.145685488	0.00006	0.00219	50000	69.3930612
6	0.00213	0.017	0.0006	0.0176	3.46112	0.224129058	0.00006	0.00219	50000	69.3930612
7	0.00213	0.017	0.0006	0.0176	3.46112	0.331902335	0.00006	0.00219	50000	69.3930612
8	0.00213	0.017	0.0006	0.0176	3.46112	0.482500911	0.00006	0.00219	50000	69.3930612
9	0.00213	0.017	0.0006	0.0176	3.46112	0.700395679	0.00006	0.00219	50000	69.3930612
10	0.00213	0.017	0.0006	0.0176	3.46112	1.034606851	0.00006	0.00219	50000	69.3930612
11	0.00213	0.017	0.0006	0.0176	3.46112	1.599215766	0.00006	0.00219	50000	69.3930612
12	0.00213	0.017	0.0006	0.0176	3.46112	2.733854617	0.00006	0.00219	50000	69.3930612
13	0.00213	0.017	0.0006	0.0176	3.46112	6.100962736	0.00006	0.00219	50000	69.3930612
14	0.00213	0.017	0.0006	0.0176	3.46112	105.3264485	0.00006	0.00219	50000	69.3930612
15	0.00213	0.017	0.0006	0.0176	3.46112	7.920900227	0.00006	0.00219	50000	69.3930612
16	0.00213	0.017	0.0006	0.0176	3.46112	4.311430461	0.00006	0.00219	50000	69.3930612
17	0.00213	0.017	0.0006	0.0176	3.46112	3.128816122	0.00006	0.00219	50000	69.3930612
18	0.00213	0.017	0.0006	0.0176	3.46112	2.543927771	0.00006	0.00219	50000	69.3930612
19	0.00213	0.017	0.0006	0.0176	3.46112	2.196412392	0.00006	0.00219	50000	69.3930612
20	0.00213	0.017	0.0006	0.0176	3.46112	1.96698662	0.00006	0.00219	50000	69.3930612

Resonance point 2nd Capacitor Tap

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/lh)	Rsys	Req	C	Icrated
1	0.00213	0.017	0.0006	0.0176	1.73056	0.010353841	0.00006	0.00219	100000	138.7861224
2	0.00213	0.017	0.0006	0.0176	1.73056	0.042487396	0.00006	0.00219	100000	138.7861224
3	0.00213	0.017	0.0006	0.0176	1.73056	0.100838852	0.00006	0.00219	100000	138.7861224
4	0.00213	0.017	0.0006	0.0176	1.73056	0.194436749	0.00006	0.00219	100000	138.7861224
5	0.00213	0.017	0.0006	0.0176	1.73056	0.341030553	0.00006	0.00219	100000	138.7861224
6	0.00213	0.017	0.0006	0.0176	1.73056	0.577679019	0.00006	0.00219	100000	138.7861224
7	0.00213	0.017	0.0006	0.0176	1.73056	0.993367353	0.00006	0.00219	100000	138.7861224
8	0.00213	0.017	0.0006	0.0176	1.73056	1.863848764	0.00006	0.00219	100000	138.7861224
9	0.00213	0.017	0.0006	0.0176	1.73056	4.665424106	0.00006	0.00219	100000	138.7861224

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/Th)	Rsys	Req	C	Icrated
10	0.00213	0.017	0.0006	0.0176	1.73056	47.97020312	0.00006	0.00219	100000	138.7861224
11	0.00213	0.017	0.0006	0.0176	1.73056	5.327450601	0.00006	0.00219	100000	138.7861224
12	0.00213	0.017	0.0006	0.0176	1.73056	3.151352049	0.00006	0.00219	100000	138.7861224
13	0.00213	0.017	0.0006	0.0176	1.73056	2.390787706	0.00006	0.00219	100000	138.7861224
14	0.00213	0.017	0.0006	0.0176	1.73056	2.006461565	0.00006	0.00219	100000	138.7861224
15	0.00213	0.017	0.0006	0.0176	1.73056	1.776099123	0.00006	0.00219	100000	138.7861224
16	0.00213	0.017	0.0006	0.0176	1.73056	1.623535914	0.00006	0.00219	100000	138.7861224
17	0.00213	0.017	0.0006	0.0176	1.73056	1.51563342	0.00006	0.00219	100000	138.7861224
18	0.00213	0.017	0.0006	0.0176	1.73056	1.435670977	0.00006	0.00219	100000	138.7861224
19	0.00213	0.017	0.0006	0.0176	1.73056	1.374307579	0.00006	0.00219	100000	138.7861224
20	0.00213	0.017	0.0006	0.0176	1.73056	1.325920758	0.00006	0.00219	100000	138.7861224

Resonance point 3rdCapacitor Tap

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/Th)	Rsys	Req	C	Icrated
1	0.00213	0.017	0.0006	0.0176	1.153706667	0.015610943	0.00006	0.00219	150000	208.1791836
2	0.00213	0.017	0.0006	0.0176	1.153706667	0.065111336	0.00006	0.00219	150000	208.1791836
3	0.00213	0.017	0.0006	0.0176	1.153706667	0.159280296	0.00006	0.00219	150000	208.1791836
4	0.00213	0.017	0.0006	0.0176	1.153706667	0.323036182	0.00006	0.00219	150000	208.1791836
5	0.00213	0.017	0.0006	0.0176	1.153706667	0.616618086	0.00006	0.00219	150000	208.1791836
6	0.00213	0.017	0.0006	0.0176	1.153706667	1.218084919	0.00006	0.00219	150000	208.1791836
7	0.00213	0.017	0.0006	0.0176	1.153706667	2.956830268	0.00006	0.00219	150000	208.1791836
8	0.00213	0.017	0.0006	0.0176	1.153706667	34.72262654	0.00006	0.00219	150000	208.1791836
9	0.00213	0.017	0.0006	0.0176	1.153706667	5.23000979	0.00006	0.00219	150000	208.1791836
10	0.00213	0.017	0.0006	0.0176	1.153706667	2.901217969	0.00006	0.00219	150000	208.1791836
11	0.00213	0.017	0.0006	0.0176	1.153706667	2.181680714	0.00006	0.00219	150000	208.1791836
12	0.00213	0.017	0.0006	0.0176	1.153706667	1.83536575	0.00006	0.00219	150000	208.1791836
13	0.00213	0.017	0.0006	0.0176	1.153706667	1.633538502	0.00006	0.00219	150000	208.1791836
14	0.00213	0.017	0.0006	0.0176	1.153706667	1.502434209	0.00006	0.00219	150000	208.1791836
15	0.00213	0.017	0.0006	0.0176	1.153706667	1.411065946	0.00006	0.00219	150000	208.1791836
16	0.00213	0.017	0.0006	0.0176	1.153706667	1.344162724	0.00006	0.00219	150000	208.1791836
17	0.00213	0.017	0.0006	0.0176	1.153706667	1.29333968	0.00006	0.00219	150000	208.1791836
18	0.00213	0.017	0.0006	0.0176	1.153706667	1.253617623	0.00006	0.00219	150000	208.1791836
19	0.00213	0.017	0.0006	0.0176	1.153706667	1.221858301	0.00006	0.00219	150000	208.1791836
20	0.00213	0.017	0.0006	0.0176	1.153706667	1.195988878	0.00006	0.00219	150000	208.1791836

Resonance point 4th Capacitor Tap

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/lh)	Rsys	Req	C	Icrated
1	0.00213	0.017	0.0006	0.0176	0.86528	0.221296931	0.00006	0.00219	200000	277.5722448
2	0.00213	0.017	0.0006	0.0176	0.86528	0.666966675	0.00006	0.00219	200000	277.5722448
3	0.00213	0.017	0.0006	0.0176	0.86528	1.375337322	0.00006	0.00219	200000	277.5722448
4	0.00213	0.017	0.0006	0.0176	0.86528	2.553040228	0.00006	0.00219	200000	277.5722448
5	0.00213	0.017	0.0006	0.0176	0.86528	4.830068186	0.00006	0.00219	200000	277.5722448
6	0.00213	0.017	0.0006	0.0176	0.86528	10.82991967	0.00006	0.00219	200000	277.5722448
7	0.00213	0.017	0.0006	0.0176	0.86528	28.19637509	0.00006	0.00219	200000	277.5722448
8	0.00213	0.017	0.0006	0.0176	0.86528	14.31028254	0.00006	0.00219	200000	277.5722448
9	0.00213	0.017	0.0006	0.0176	0.86528	8.699756745	0.00006	0.00219	200000	277.5722448
10	0.00213	0.017	0.0006	0.0176	0.86528	6.506436497	0.00006	0.00219	200000	277.5722448
11	0.00213	0.017	0.0006	0.0176	0.86528	5.351471967	0.00006	0.00219	200000	277.5722448
12	0.00213	0.017	0.0006	0.0176	0.86528	4.635631931	0.00006	0.00219	200000	277.5722448
13	0.00213	0.017	0.0006	0.0176	0.86528	4.14521286	0.00006	0.00219	200000	277.5722448
14	0.00213	0.017	0.0006	0.0176	0.86528	3.785769312	0.00006	0.00219	200000	277.5722448
15	0.00213	0.017	0.0006	0.0176	0.86528	3.509250144	0.00006	0.00219	200000	277.5722448
16	0.00213	0.017	0.0006	0.0176	0.86528	3.288653159	0.00006	0.00219	200000	277.5722448
17	0.00213	0.017	0.0006	0.0176	0.86528	3.107638504	0.00006	0.00219	200000	277.5722448
18	0.00213	0.017	0.0006	0.0176	0.86528	2.955734576	0.00006	0.00219	200000	277.5722448
19	0.00213	0.017	0.0006	0.0176	0.86528	2.825915831	0.00006	0.00219	200000	277.5722448
20	0.00213	0.017	0.0006	0.0176	0.86528	2.713288689	0.00006	0.00219	200000	277.5722448

Resonance point 5th Capacitor Tap

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/lh)	Rsys	Req	C	Icrated
1	0.00213	0.017	0.0006	0.0176	0.692224	0.278029825	0.00006	0.00219	250000	346.965306
2	0.00213	0.017	0.0006	0.0176	0.692224	0.852057529	0.00006	0.00219	250000	346.965306
3	0.00213	0.017	0.0006	0.0176	0.692224	1.817401806	0.00006	0.00219	250000	346.965306
4	0.00213	0.017	0.0006	0.0176	0.692224	3.602745619	0.00006	0.00219	250000	346.965306
5	0.00213	0.017	0.0006	0.0176	0.692224	7.852391706	0.00006	0.00219	250000	346.965306
6	0.00213	0.017	0.0006	0.0176	0.692224	22.82986145	0.00006	0.00219	250000	346.965306
7	0.00213	0.017	0.0006	0.0176	0.692224	16.53924754	0.00006	0.00219	250000	346.965306
8	0.00213	0.017	0.0006	0.0176	0.692224	9.301018734	0.00006	0.00219	250000	346.965306
9	0.00213	0.017	0.0006	0.0176	0.692224	6.751664174	0.00006	0.00219	250000	346.965306
10	0.00213	0.017	0.0006	0.0176	0.692224	5.482432552	0.00006	0.00219	250000	346.965306
11	0.00213	0.017	0.0006	0.0176	0.692224	4.719419897	0.00006	0.00219	250000	346.965306
12	0.00213	0.017	0.0006	0.0176	0.692224	4.206093965	0.00006	0.00219	250000	346.965306
13	0.00213	0.017	0.0006	0.0176	0.692224	3.834138779	0.00006	0.00219	250000	346.965306
14	0.00213	0.017	0.0006	0.0176	0.692224	3.550114949	0.00006	0.00219	250000	346.965306
15	0.00213	0.017	0.0006	0.0176	0.692224	3.324644647	0.00006	0.00219	250000	346.965306
16	0.00213	0.017	0.0006	0.0176	0.692224	3.140238329	0.00006	0.00219	250000	346.965306

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/lh)	Rsys	Req	C	Icrated
17	0.00213	0.017	0.0006	0.0176	0.692224	2.985826587	0.00006	0.00219	250000	346.965306
18	0.00213	0.017	0.0006	0.0176	0.692224	2.854054645	0.00006	0.00219	250000	346.965306
19	0.00213	0.017	0.0006	0.0176	0.692224	2.739838754	0.00006	0.00219	250000	346.965306
20	0.00213	0.017	0.0006	0.0176	0.692224	2.639547689	0.00006	0.00219	250000	346.965306

Resonance point 6th Capacitor Tap

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/lh)	Rsys	Req	C	Icrated
1	0.00213	0.017	0.0006	0.0176	0.576853333	0.335333839	0.00006	0.00219	300000	416.3583672
2	0.00213	0.017	0.0006	0.0176	0.576853333	1.045310337	0.00006	0.00219	300000	416.3583672
3	0.00213	0.017	0.0006	0.0176	0.576853333	2.311458223	0.00006	0.00219	300000	416.3583672
4	0.00213	0.017	0.0006	0.0176	0.576853333	4.94500291	0.00006	0.00219	300000	416.3583672
5	0.00213	0.017	0.0006	0.0176	0.576853333	12.89234832	0.00006	0.00219	300000	416.3583672
6	0.00213	0.017	0.0006	0.0176	0.576853333	23.0012491	0.00006	0.00219	300000	416.3583672
7	0.00213	0.017	0.0006	0.0176	0.576853333	11.17314381	0.00006	0.00219	300000	416.3583672
8	0.00213	0.017	0.0006	0.0176	0.576853333	7.483406317	0.00006	0.00219	300000	416.3583672
9	0.00213	0.017	0.0006	0.0176	0.576853333	5.867130989	0.00006	0.00219	300000	416.3583672
10	0.00213	0.017	0.0006	0.0176	0.576853333	4.960015095	0.00006	0.00219	300000	416.3583672
11	0.00213	0.017	0.0006	0.0176	0.576853333	4.374341791	0.00006	0.00219	300000	416.3583672
12	0.00213	0.017	0.0006	0.0176	0.576853333	3.96114267	0.00006	0.00219	300000	416.3583672
13	0.00213	0.017	0.0006	0.0176	0.576853333	3.651345643	0.00006	0.00219	300000	416.3583672
14	0.00213	0.017	0.0006	0.0176	0.576853333	3.408603739	0.00006	0.00219	300000	416.3583672
15	0.00213	0.017	0.0006	0.0176	0.576853333	3.211967228	0.00006	0.00219	300000	416.3583672
16	0.00213	0.017	0.0006	0.0176	0.576853333	3.04850125	0.00006	0.00219	300000	416.3583672
17	0.00213	0.017	0.0006	0.0176	0.576853333	2.909777411	0.00006	0.00219	300000	416.3583672
18	0.00213	0.017	0.0006	0.0176	0.576853333	2.790060164	0.00006	0.00219	300000	416.3583672
19	0.00213	0.017	0.0006	0.0176	0.576853333	2.685304492	0.00006	0.00219	300000	416.3583672
20	0.00213	0.017	0.0006	0.0176	0.576853333	2.592570942	0.00006	0.00219	300000	416.3583672

Resonance point 7th Capacitor Tap

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/lh)	Rsys	Req	C	Icrated
1	0.00213	0.017	0.0006	0.0176	0.494445714	0.393212592	0.00006	0.00219	350000	485.7514284
2	0.00213	0.017	0.0006	0.0176	0.494445714	1.247174684	0.00006	0.00219	350000	485.7514284
3	0.00213	0.017	0.0006	0.0176	0.494445714	2.865953026	0.00006	0.00219	350000	485.7514284
4	0.00213	0.017	0.0006	0.0176	0.494445714	6.695142339	0.00006	0.00219	350000	485.7514284
5	0.00213	0.017	0.0006	0.0176	0.494445714	20.27081755	0.00006	0.00219	350000	485.7514284
6	0.00213	0.017	0.0006	0.0176	0.494445714	15.7849966	0.00006	0.00219	350000	485.7514284

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/Th)	Rsys	Req	C	Icrated
7	0.00213	0.017	0.0006	0.0176	0.494445714	8.954790245	0.00006	0.00219	350000	485.7514284
8	0.00213	0.017	0.0006	0.0176	0.494445714	6.556983768	0.00006	0.00219	350000	485.7514284
9	0.00213	0.017	0.0006	0.0176	0.494445714	5.363177294	0.00006	0.00219	350000	485.7514284
10	0.00213	0.017	0.0006	0.0176	0.494445714	4.643376604	0.00006	0.00219	350000	485.7514284
11	0.00213	0.017	0.0006	0.0176	0.494445714	4.157013457	0.00006	0.00219	350000	485.7514284
12	0.00213	0.017	0.0006	0.0176	0.494445714	3.802857527	0.00006	0.00219	350000	485.7514284
13	0.00213	0.017	0.0006	0.0176	0.494445714	3.531054778	0.00006	0.00219	350000	485.7514284
14	0.00213	0.017	0.0006	0.0176	0.494445714	3.314216806	0.00006	0.00219	350000	485.7514284
15	0.00213	0.017	0.0006	0.0176	0.494445714	3.136035677	0.00006	0.00219	350000	485.7514284
16	0.00213	0.017	0.0006	0.0176	0.494445714	2.98618134	0.00006	0.00219	350000	485.7514284
17	0.00213	0.017	0.0006	0.0176	0.494445714	2.857781055	0.00006	0.00219	350000	485.7514284
18	0.00213	0.017	0.0006	0.0176	0.494445714	2.746075948	0.00006	0.00219	350000	485.7514284
19	0.00213	0.017	0.0006	0.0176	0.494445714	2.647659815	0.00006	0.00219	350000	485.7514284
20	0.00213	0.017	0.0006	0.0176	0.494445714	2.560025554	0.00006	0.00219	350000	485.7514284

Resonance point 8th Capacitor Tap

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/Th)	Rsys	Req	C	Icrated
1	0.00213	0.017	0.0006	0.0176	0.43264	0.45166957	0.00006	0.00219	400000	555.1444896
2	0.00213	0.017	0.0006	0.0176	0.43264	1.458122107	0.00006	0.00219	400000	555.1444896
3	0.00213	0.017	0.0006	0.0176	0.43264	3.490828653	0.00006	0.00219	400000	555.1444896
4	0.00213	0.017	0.0006	0.0176	0.43264	9.007135701	0.00006	0.00219	400000	555.1444896
5	0.00213	0.017	0.0006	0.0176	0.43264	23.75395434	0.00006	0.00219	400000	555.1444896
6	0.00213	0.017	0.0006	0.0176	0.43264	12.14637257	0.00006	0.00219	400000	555.1444896
7	0.00213	0.017	0.0006	0.0176	0.43264	7.772249804	0.00006	0.00219	400000	555.1444896
8	0.00213	0.017	0.0006	0.0176	0.43264	5.997024996	0.00006	0.00219	400000	555.1444896
9	0.00213	0.017	0.0006	0.0176	0.43264	5.03790406	0.00006	0.00219	400000	555.1444896
10	0.00213	0.017	0.0006	0.0176	0.43264	4.430992679	0.00006	0.00219	400000	555.1444896
11	0.00213	0.017	0.0006	0.0176	0.43264	4.007590661	0.00006	0.00219	400000	555.1444896
12	0.00213	0.017	0.0006	0.0176	0.43264	3.692162927	0.00006	0.00219	400000	555.1444896
13	0.00213	0.017	0.0006	0.0176	0.43264	3.445891932	0.00006	0.00219	400000	555.1444896
14	0.00213	0.017	0.0006	0.0176	0.43264	3.246776013	0.00006	0.00219	400000	555.1444896
15	0.00213	0.017	0.0006	0.0176	0.43264	3.08139547	0.00006	0.00219	400000	555.1444896
16	0.00213	0.017	0.0006	0.0176	0.43264	2.941084337	0.00006	0.00219	400000	555.1444896
17	0.00213	0.017	0.0006	0.0176	0.43264	2.819984682	0.00006	0.00219	400000	555.1444896
18	0.00213	0.017	0.0006	0.0176	0.43264	2.713985606	0.00006	0.00219	400000	555.1444896
19	0.00213	0.017	0.0006	0.0176	0.43264	2.620110656	0.00006	0.00219	400000	555.1444896
20	0.00213	0.017	0.0006	0.0176	0.43264	2.536146983	0.00006	0.00219	400000	555.1444896

Resonance point 9th Capacitor Tap

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/lh)	Rsys	Req	C	Icrated
1	0.00213	0.017	0.0006	0.0176	0.384568889	0.510708116	0.00006	0.00219	450000	624.5375508
2	0.00213	0.017	0.0006	0.0176	0.384568889	1.678645493	0.00006	0.00219	450000	624.5375508
3	0.00213	0.017	0.0006	0.0176	0.384568889	4.197655316	0.00006	0.00219	450000	624.5375508
4	0.00213	0.017	0.0006	0.0176	0.384568889	12.03320554	0.00006	0.00219	450000	624.5375508
5	0.00213	0.017	0.0006	0.0176	0.384568889	20.16910879	0.00006	0.00219	450000	624.5375508
6	0.00213	0.017	0.0006	0.0176	0.384568889	10.19396126	0.00006	0.00219	450000	624.5375508
7	0.00213	0.017	0.0006	0.0176	0.384568889	7.04161721	0.00006	0.00219	450000	624.5375508
8	0.00213	0.017	0.0006	0.0176	0.384568889	5.622377507	0.00006	0.00219	450000	624.5375508
9	0.00213	0.017	0.0006	0.0176	0.384568889	4.81065995	0.00006	0.00219	450000	624.5375508
10	0.00213	0.017	0.0006	0.0176	0.384568889	4.278669399	0.00006	0.00219	450000	624.5375508
11	0.00213	0.017	0.0006	0.0176	0.384568889	3.898552957	0.00006	0.00219	450000	624.5375508
12	0.00213	0.017	0.0006	0.0176	0.384568889	3.610402743	0.00006	0.00219	450000	624.5375508
13	0.00213	0.017	0.0006	0.0176	0.384568889	3.382431052	0.00006	0.00219	450000	624.5375508
14	0.00213	0.017	0.0006	0.0176	0.384568889	3.196184028	0.00006	0.00219	450000	624.5375508
15	0.00213	0.017	0.0006	0.0176	0.384568889	3.040192756	0.00006	0.00219	450000	624.5375508
16	0.00213	0.017	0.0006	0.0176	0.384568889	2.906937483	0.00006	0.00219	450000	624.5375508
17	0.00213	0.017	0.0006	0.0176	0.384568889	2.791270281	0.00006	0.00219	450000	624.5375508
18	0.00213	0.017	0.0006	0.0176	0.384568889	2.689539394	0.00006	0.00219	450000	624.5375508
19	0.00213	0.017	0.0006	0.0176	0.384568889	2.599076092	0.00006	0.00219	450000	624.5375508
20	0.00213	0.017	0.0006	0.0176	0.384568889	2.517880084	0.00006	0.00219	450000	624.5375508

Resonance point 10th Capacitor Tap

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/lh)	Rsys	Req	C	Icrated
1	0.00213	0.017	0.0006	0.0176	0.346112	0.570331423	0.00006	0.00219	500000	693.930612
2	0.00213	0.017	0.0006	0.0176	0.346112	1.909257899	0.00006	0.00219	500000	693.930612
3	0.00213	0.017	0.0006	0.0176	0.346112	4.999611519	0.00006	0.00219	500000	693.930612
4	0.00213	0.017	0.0006	0.0176	0.346112	15.71881918	0.00006	0.00219	500000	693.930612
5	0.00213	0.017	0.0006	0.0176	0.346112	16.30105724	0.00006	0.00219	500000	693.930612
6	0.00213	0.017	0.0006	0.0176	0.346112	9.00326587	0.00006	0.00219	500000	693.930612
7	0.00213	0.017	0.0006	0.0176	0.346112	6.54643537	0.00006	0.00219	500000	693.930612
8	0.00213	0.017	0.0006	0.0176	0.346112	5.354232917	0.00006	0.00219	500000	693.930612
9	0.00213	0.017	0.0006	0.0176	0.346112	4.642957179	0.00006	0.00219	500000	693.930612
10	0.00213	0.017	0.0006	0.0176	0.346112	4.164092408	0.00006	0.00219	500000	693.930612
11	0.00213	0.017	0.0006	0.0176	0.346112	3.815479148	0.00006	0.00219	500000	693.930612
12	0.00213	0.017	0.0006	0.0176	0.346112	3.547544421	0.00006	0.00219	500000	693.930612
13	0.00213	0.017	0.0006	0.0176	0.346112	3.333314583	0.00006	0.00219	500000	693.930612
14	0.00213	0.017	0.0006	0.0176	0.346112	3.156828131	0.00006	0.00219	500000	693.930612

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/lh)	Rsys	Req	C	Icrated
15	0.00213	0.017	0.0006	0.0176	0.346112	3.008013447	0.00006	0.00219	500000	693.930612
16	0.00213	0.017	0.0006	0.0176	0.346112	2.880184345	0.00006	0.00219	500000	693.930612
17	0.00213	0.017	0.0006	0.0176	0.346112	2.768715558	0.00006	0.00219	500000	693.930612
18	0.00213	0.017	0.0006	0.0176	0.346112	2.670296691	0.00006	0.00219	500000	693.930612
19	0.00213	0.017	0.0006	0.0176	0.346112	2.582489684	0.00006	0.00219	500000	693.930612
20	0.00213	0.017	0.0006	0.0176	0.346112	2.503454678	0.00006	0.00219	500000	693.930612

Resonance point 11th Capacitor Tap

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/lh)	Rsys	Req	C	Icrated
1	0.00213	0.017	0.0006	0.0176	0.314647273	0.630542519	0.00006	0.00219	550000	763.3236732
2	0.00213	0.017	0.0006	0.0176	0.314647273	2.150490628	0.00006	0.00219	550000	763.3236732
3	0.00213	0.017	0.0006	0.0176	0.314647273	5.911126312	0.00006	0.00219	550000	763.3236732
4	0.00213	0.017	0.0006	0.0176	0.314647273	19.29979478	0.00006	0.00219	550000	763.3236732
5	0.00213	0.017	0.0006	0.0176	0.314647273	13.69598232	0.00006	0.00219	550000	763.3236732
6	0.00213	0.017	0.0006	0.0176	0.314647273	8.207112784	0.00006	0.00219	550000	763.3236732
7	0.00213	0.017	0.0006	0.0176	0.314647273	6.189017862	0.00006	0.00219	550000	763.3236732
8	0.00213	0.017	0.0006	0.0176	0.314647273	5.15287502	0.00006	0.00219	550000	763.3236732
9	0.00213	0.017	0.0006	0.0176	0.314647273	4.514115397	0.00006	0.00219	550000	763.3236732
10	0.00213	0.017	0.0006	0.0176	0.314647273	4.074780879	0.00006	0.00219	550000	763.3236732
11	0.00213	0.017	0.0006	0.0176	0.314647273	3.750083178	0.00006	0.00219	550000	763.3236732
12	0.00213	0.017	0.0006	0.0176	0.314647273	3.497712761	0.00006	0.00219	550000	763.3236732
13	0.00213	0.017	0.0006	0.0176	0.314647273	3.294173036	0.00006	0.00219	550000	763.3236732
14	0.00213	0.017	0.0006	0.0176	0.314647273	3.125339357	0.00006	0.00219	550000	763.3236732
15	0.00213	0.017	0.0006	0.0176	0.314647273	2.98218594	0.00006	0.00219	550000	763.3236732
16	0.00213	0.017	0.0006	0.0176	0.314647273	2.858658125	0.00006	0.00219	550000	763.3236732
17	0.00213	0.017	0.0006	0.0176	0.314647273	2.750530503	0.00006	0.00219	550000	763.3236732
18	0.00213	0.017	0.0006	0.0176	0.314647273	2.654755923	0.00006	0.00219	550000	763.3236732
19	0.00213	0.017	0.0006	0.0176	0.314647273	2.569075389	0.00006	0.00219	550000	763.3236732
20	0.00213	0.017	0.0006	0.0176	0.314647273	2.491774277	0.00006	0.00219	550000	763.3236732

Resonance point 12th Capacitor Tap

harmonic order	RT	Xt	Xsys	Xeq	xc	Resonance point(Ic/lh)	Rsys	Req	C	Icrated
1	0.00213	0.017	0.0006	0.0176	0.288426667	0.691344266	0.00006	0.00219	600000	832.7167344
2	0.00213	0.017	0.0006	0.0176	0.288426667	2.402890387	0.00006	0.00219	600000	832.7167344
3	0.00213	0.017	0.0006	0.0176	0.288426667	6.946844452	0.00006	0.00219	600000	832.7167344
4	0.00213	0.017	0.0006	0.0176	0.288426667	21.22089685	0.00006	0.00219	600000	832.7167344
5	0.00213	0.017	0.0006	0.0176	0.288426667	11.96829891	0.00006	0.00219	600000	832.7167344
6	0.00213	0.017	0.0006	0.0176	0.288426667	7.639019406	0.00006	0.00219	600000	832.7167344
7	0.00213	0.017	0.0006	0.0176	0.288426667	5.919023902	0.00006	0.00219	600000	832.7167344
8	0.00213	0.017	0.0006	0.0176	0.288426667	4.996135514	0.00006	0.00219	600000	832.7167344
9	0.00213	0.017	0.0006	0.0176	0.288426667	4.412034254	0.00006	0.00219	600000	832.7167344
10	0.00213	0.017	0.0006	0.0176	0.288426667	4.003209178	0.00006	0.00219	600000	832.7167344
11	0.00213	0.017	0.0006	0.0176	0.288426667	3.697265515	0.00006	0.00219	600000	832.7167344
12	0.00213	0.017	0.0006	0.0176	0.288426667	3.457238736	0.00006	0.00219	600000	832.7167344
13	0.00213	0.017	0.0006	0.0176	0.288426667	3.262247951	0.00006	0.00219	600000	832.7167344
14	0.00213	0.017	0.0006	0.0176	0.288426667	3.099573177	0.00006	0.00219	600000	832.7167344
15	0.00213	0.017	0.0006	0.0176	0.288426667	2.960998542	0.00006	0.00219	600000	832.7167344
16	0.00213	0.017	0.0006	0.0176	0.288426667	2.840963339	0.00006	0.00219	600000	832.7167344
17	0.00213	0.017	0.0006	0.0176	0.288426667	2.735557422	0.00006	0.00219	600000	832.7167344
18	0.00213	0.017	0.0006	0.0176	0.288426667	2.64194256	0.00006	0.00219	600000	832.7167344
19	0.00213	0.017	0.0006	0.0176	0.288426667	2.558002643	0.00006	0.00219	600000	832.7167344
20	0.00213	0.017	0.0006	0.0176	0.288426667	2.482123434	0.00006	0.00219	600000	832.7167344