STEP-LOCKED MAGIC SINEWAVE — AEXC36 - 1/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.01
Actual Amplitude:	0.0100062
Actual Power:	0.000100125
Distortion 2H-34H:	8.01451%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.3143	end: 9.3324	delta: 0.0181
P2 start: 18.6689	end: 18.7037	delta: 0.0347
P3 start: 28.0856	end: 28.1348	delta: 0.0492
P4 start: 37.5402	end: 37.6014	delta: 0.0612
P5 start: 47.096	end: 47.1682	delta: 0.0721
P6 start: 56.5548	end: 56.6355	delta: 0.0807
P7 start: 66.0941	end: 66.1813	delta: 0.0873
P8 start: 75.4837	end: 75.5737	delta: 0.09
P9 start: 85.0582	end: 85.1471	delta: 0.0888

H3: 0.0514246	H21: -0.000351409	H21f: -1.67338e-05	c2sd = -0.0206
H5: -0.00456276	H23: 0.00629866	H23f: 0.000273855	c2ed = -0.0068
H7: 0.0188721	H25: -0.00728677	H25f: -0.000291471	c3sd = -0.009
H9: -0.0104698	H27: 0.00877597	H27f: 0.000325036	c3ed = 0.0095
H11: 0.0071955	H29: -0.0130493	H29f: -0.000449976	c4sd = 0.0101
H13: -0.00703655	H31: 0.0172241	H31f: 0.000555617	c4ed = 0.0315
H15: 0.00476855	H33: -0.00558118	H33f: -0.000169127	c5sd = 0.0199
H17: 0.00239131	H35: 0.0496473	H35f: 0.00141849	c5ed = 0.0443
H19: -0.0054352	H37: -1.09976	H37f: -0.0297231	varx = 3.7253%.
	H39: 0.875834	H39f: 0.0224573	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.02
Actual Amplitude:	0.0200046
Actual Power:	0.000400183
Distortion 2H-34H:	3.25353%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2771	end: 9.3118	delta: 0.0348
P2 start: 18.6346	end: 18.7006	delta: 0.0661
P3 start: 28.1117	end: 28.205	delta: 0.0933
P4 start: 37.6383	end: 37.756	delta: 0.1177
P5 start: 47.1679	end: 47.3079	delta: 0.14
P6 start: 56.6717	end: 56.8308	delta: 0.1591
P7 start: 66.1557	end: 66.3297	delta: 0.174
P8 start: 75.6172	end: 75.8002	delta: 0.183
P9 start: 85.1095	end: 85.2951	delta: 0.1857

H3: 0.0178531	H21: -0.00146147	H21f: -6.95939e-05	c2sd = -0.0555
H5: 0.00659798	H23: 0.00155277	H23f: 6.75118e-05	c2ed = -0.0093
H7: 0.0123333	H25: -0.00211005	H25f: -8.44019e-05	c3sd = 0.0163
H9: -0.00168145	H27: 0.0032554	H27f: 0.00012057	c3ed = 0.0804
H11: 0.00335327	H29: -0.00272975	H29f: -9.41294e-05	c4sd = 0.1072
H13: -0.00202904	H31: 0.0105617	H31f: 0.000340701	c4ed = 0.1871
H15: 0.0016065	H33: 0.00651077	H33f: 0.000197296	c5sd = 0.0906
H17: -0.00106759	H35: 0.0184578	H35f: 0.000527365	c5ed = 0.1851
H19: 0.000764327	H37: -1.06513	H37f: -0.0287872	varx = 3.7339%.
	H39: 0.927441	H39f: 0.0237805	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.03
Actual Amplitude:	0.0300295
Actual Power:	0.000901768
Distortion 2H-34H:	1.58822%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2196	end: 9.27	delta: 0.0504
P2 start: 18.6367	end: 18.7321	delta: 0.0954
P3 start: 28.184	end: 28.3204	delta: 0.1363
P4 start: 37.7046	end: 37.8795	delta: 0.1749
P5 start: 47.194	end: 47.4034	delta: 0.2094
P6 start: 56.6751	end: 56.9137	delta: 0.2385
P7 start: 66.1459	end: 66.4066	delta: 0.2607
P8 start: 75.6252	end: 75.901	delta: 0.2758
P9 start: 85.0939	end: 85.3764	delta: 0.2825

H3: 0.00553545	H21: -0.00133124	H21f: -6.33925e-05	c2sd = -0.0583
H5: 0.00448581	H23: 0.00112241	H23f: 4.88006e-05	c2ed = 0.027
H7: 0.00711231	H25: -0.000118577	H25f: -4.74308e-06	c3sd = 0.0815
H9: 0.00313038	H27: 0.00303341	H27f: 0.000112349	c3ed = 0.2029
H11: 0.00330239	H29: 0.00232687	H29f: 8.02369e-05	c4sd = 0.1642
H13: 0.000202566	H31: 0.00692539	H31f: 0.0002234	c4ed = 0.3199
H15: 0.00148617	H33: 0.00456783	H33f: 0.000138419	c5sd = 0.1055
H17: -0.00148927	H35: 0.00610583	H35f: 0.000174452	c5ed = 0.2918
H19: 0.00139742	H37: -1.04293	H37f: -0.0281874	varx = 3.7295%.
	H39: 0.952414	H39f: 0.0244209	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.04
Actual Amplitude:	0.0400071
Actual Power:	0.00160057
Distortion 2H-34H:	1.04149%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.175	end: 9.2408	delta: 0.0658
P2 start: 18.674	end: 18.7991	delta: 0.125
P3 start: 28.2126	end: 28.3935	delta: 0.1809
P4 start: 37.7002	end: 37.9331	delta: 0.2329
P5 start: 47.1756	end: 47.4546	delta: 0.279
P6 start: 56.646	end: 56.9636	delta: 0.3176
P7 start: 66.1132	end: 66.4605	delta: 0.3473
P8 start: 75.5889	end: 75.9564	delta: 0.3675
P9 start: 85.0616	end: 85.4388	delta: 0.3773

H3: 0.00281759	H21: 7.1361e-06	H21f: 3.39814e-07	c2sd = -0.0146
H5: 0.00279457	H23: 0.00141916	H23f: 6.17025e-05	c2ed = 0.0877
H7: 0.00418112	H25: 0.00132505	H25f: 5.3002e-05	c3sd = 0.1194
H9: 0.00278892	H27: 0.00264026	H27f: 9.77873e-05	c3ed = 0.2668
H11: 0.00276246	H29: 0.0026911	H29f: 9.27966e-05	c4sd = 0.1719
H13: 0.00159255	H31: 0.00413178	H31f: 0.000133283	c4ed = 0.3615
H15: 0.00168524	H33: 0.00307189	H33f: 9.30876e-05	c5sd = 0.1017
H17: 9.1611e-05	H35: 0.00295343	H35f: 8.43836e-05	c5ed = 0.3285
H19: 0.00111051	H37: -1.03338	H37f: -0.0279291	varx = 3.7249%.
	H39: 0.961219	H39f: 0.0246466	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 5/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.05	
Actual Amplitude:	0.0500194	
Actual Power:	0.00250194	
Distortion 2H-34H:	0.735668%	
First strong harmonics:	37 and 39	
Pulses per sine cycle:	36	
Total switching events:	72	
Delta Friendly:	No	

P1 start: 9.1656	end: 9.2464	delta: 0.0808
P2 start: 18.7189	end: 18.8739	delta: 0.155
P3 start: 28.2212	end: 28.447	delta: 0.2258
P4 start: 37.6908	end: 37.9821	delta: 0.2913
P5 start: 47.1513	end: 47.5002	delta: 0.3488
P6 start: 56.6127	end: 57.0096	delta: 0.397
P7 start: 66.0771	end: 66.5113	delta: 0.4342
P8 start: 75.5466	end: 76.0061	delta: 0.4595
P9 start: 85.0194	end: 85.4915	delta: 0.4721

H3: 0.00152381	H21: 0.00118575	H21f: 5.64644e-05	c2sd = 0.045
H5: 0.00155274	H23: 0.00168848	H23f: 7.34122e-05	c2ed = 0.1478
H7: 0.00232765	H25: 0.00149211	H25f: 5.96843e-05	c3sd = 0.1496
H9: 0.00202432	H27: 0.00219577	H27f: 8.13249e-05	c3ed = 0.2986
H11: 0.00218771	H29: 0.00200144	H29f: 6.90151e-05	c4sd = 0.1905
H13: 0.00154256	H31: 0.00236243	H31f: 7.62074e-05	c4ed = 0.3825
H15: 0.00167351	H33: 0.00173277	H33f: 5.25082e-05	c5sd = 0.111
H17: 0.00106135	H35: 0.00158746	H35f: 4.53559e-05	c5ed = 0.3405
H19: 0.00153791	H37: -1.025	H37f: -0.0277027	varx = 3.7194%.
	H39: 0.967941	H39f: 0.024819	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.06
Actual Amplitude:	0.06
Actual Power:	0.00359999
Distortion 2H-34H:	0.471933%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2164	end: 9.3116	delta: 0.0953
P2 start: 18.7666	end: 18.9515	delta: 0.1849
P3 start: 28.2308	end: 28.5014	delta: 0.2707
P4 start: 37.6815	end: 38.0307	delta: 0.3493
P5 start: 47.1302	end: 47.5486	delta: 0.4184
P6 start: 56.5827	end: 57.0587	delta: 0.476
P7 start: 66.0404	end: 66.5611	delta: 0.5208
P8 start: 75.5048	end: 76.056	delta: 0.5513
P9 start: 84.9765	end: 85.5431	delta: 0.5666

H3: 0.000562437	H21: 0.00138917	H21f: 6.61509e-05	c2sd = 0.0306
H5: 0.00067113	H23: 0.00138754	H23f: 6.03279e-05	c2ed = 0.0475
H7: 0.000977549	H25: 0.00132045	H25f: 5.28181e-05	c3sd = 0.0542
H9: 0.00107091	H27: 0.00128771	H27f: 4.7693e-05	c3ed = 0.078
H11: 0.00124714	H29: 0.00116994	H29f: 4.03429e-05	c4sd = 0.041
H13: 0.00124471	H31: 0.00105497	H31f: 3.40312e-05	c4ed = 0.0712
H15: 0.00133543	H33: 0.000723993	H33f: 2.19392e-05	c5sd = 0.0216
H17: 0.00134982	H35: 0.000607996	H35f: 1.73713e-05	c5ed = 0.0573
H19: 0.00143541	H37: -1.01452	H37f: -0.0274196	varx = 3.7127%.
	H39: 0.976206	H39f: 0.0250309	

STEP-LOCKED MAGIC SINEWAVE — AEXC36 - 7/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.07
Actual Amplitude:	0.0700078
Actual Power:	0.00490109
Distortion 2H-34H:	0.49335%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2008	end: 9.3121	delta: 0.1113
P2 start: 18.7456	end: 18.9614	delta: 0.2158
P3 start: 28.2043	end: 28.5202	delta: 0.3158
P4 start: 37.6489	end: 38.0563	delta: 0.4075
P5 start: 47.0926	end: 47.5807	delta: 0.4881
P6 start: 56.5409	end: 57.0963	delta: 0.5554
P7 start: 65.9954	end: 66.6031	delta: 0.6077
P8 start: 75.4577	end: 76.1009	delta: 0.6432
P9 start: 84.9291	end: 85.5903	delta: 0.6612

H3: 0.00060417	H21: 0.00139082	H21f: 6.62295e-05	c2sd = 0.0917
H5: 0.000784409	H23: 0.00142749	H23f: 6.20647e-05	c2ed = 0.2153
H7: 0.00109674	H25: 0.00135982	H25f: 5.43926e-05	c3sd = 0.1621
H9: 0.00109524	H27: 0.00136737	H27f: 5.06434e-05	c3ed = 0.3424
H11: 0.00127355	H29: 0.00124933	H29f: 4.30805e-05	c4sd = 0.1865
H13: 0.00135246	H31: 0.00108054	H31f: 3.48561e-05	c4ed = 0.4187
H15: 0.00134898	H33: 0.000821109	H33f: 2.48821e-05	c5sd = 0.098
H17: 0.00144241	H35: 0.000681518	H35f: 1.9472e-05	c5ed = 0.3754
H19: 0.00143087	H37: -1.01428	H37f: -0.0274129	varx = 3.707%.
	H39: 0.97319	H39f: 0.0249536	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 8/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.08
Actual Amplitude:	0.0800017
Actual Power:	0.00640027
Distortion 2H-34H:	0.377786%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2399	end: 9.3665	delta: 0.1265
P2 start: 18.7504	end: 18.9968	delta: 0.2464
P3 start: 28.193	end: 28.5539	delta: 0.3608
P4 start: 37.6265	end: 38.092	delta: 0.4655
P5 start: 47.0623	end: 47.6201	delta: 0.5577
P6 start: 56.5039	end: 57.1386	delta: 0.6347
P7 start: 65.9538	end: 66.6481	delta: 0.6943
P8 start: 75.4128	end: 76.1479	delta: 0.7351
P9 start: 84.882	end: 85.6376	delta: 0.7556

H3: 0.000435415	H21: 0.00108151	H21f: 5.15007e-05	c2sd = 0.1312
H5: 0.000591747	H23: 0.00110823	H23f: 4.8184e-05	c2ed = 0.2161
H7: 0.000788436	H25: 0.00107531	H25f: 4.30126e-05	c3sd = 0.2017
H9: 0.000863558	H27: 0.00104548	H27f: 3.87215e-05	c3ed = 0.3252
H11: 0.000974489	H29: 0.000877471	H29f: 3.02576e-05	c4sd = 0.2301
H13: 0.000992038	H31: 0.000821013	H31f: 2.64843e-05	c4ed = 0.3885
H15: 0.00112949	H33: 0.00057719	H33f: 1.74906e-05	c5sd = 0.1469
H17: 0.00110347	H35: 0.000523664	H35f: 1.49618e-05	c5ed = 0.3356
H19: 0.00112211	H37: -1.00892	H37f: -0.0272682	varx = 3.6994%.
	H39: 0.975008	H39f: 0.0250002	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 9/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.09
Actual Amplitude:	0.09
Actual Power:	0.00810001
Distortion 2H-34H:	0.295576%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2692	end: 9.4111	delta: 0.1419
P2 start: 18.7484	end: 19.0256	delta: 0.2772
P3 start: 28.1765	end: 28.5824	delta: 0.4059
P4 start: 37.6013	end: 38.125	delta: 0.5238
P5 start: 47.0293	end: 47.6567	delta: 0.6274
P6 start: 56.4655	end: 57.1794	delta: 0.714
P7 start: 65.911	end: 66.692	delta: 0.781
P8 start: 75.3673	end: 76.1942	delta: 0.8269
P9 start: 84.8346	end: 85.6846	delta: 0.85

H3: 0.000470805	H21: 0.000831307	H21f: 3.95861e-05	c2sd = 0.1362
H5: 0.000499194	H23: 0.000851739	H23f: 3.70321e-05	c2ed = 0.2378
H7: 0.000624595	H25: 0.000754693	H25f: 3.01877e-05	c3sd = 0.1954
H9: 0.000662875	H27: 0.000795918	H27f: 2.94785e-05	c3ed = 0.3434
H11: 0.000781754	H29: 0.000663014	H29f: 2.28625e-05	c4sd = 0.218
H13: 0.00074172	H31: 0.000679346	H31f: 2.19144e-05	c4ed = 0.4083
H15: 0.000861222	H33: 0.000524005	H33f: 1.5879e-05	c5sd = 0.1298
H17: 0.00080747	H35: 0.000449997	H35f: 1.28571e-05	c5ed = 0.3562
H19: 0.000939894	H37: -1.0047	H37f: -0.027154	varx = 3.6912%.
	H39: 0.975133	H39f: 0.0250034	

STEP-LOCKED MAGIC SINEWAVE — AEXC36 - 10/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.1
Actual Amplitude:	0.0999999
Actual Power:	0.00999998
Distortion 2H-34H:	0.213275%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2972	end: 9.4544	delta: 0.1572
P2 start: 18.7452	end: 19.053	delta: 0.3078
P3 start: 28.1619	end: 28.6127	delta: 0.4508
P4 start: 37.5766	end: 38.1584	delta: 0.5818
P5 start: 46.9975	end: 47.6945	delta: 0.6971
P6 start: 56.427	end: 57.2203	delta: 0.7933
P7 start: 65.8681	end: 66.7359	delta: 0.8678
P8 start: 75.3218	end: 76.2406	delta: 0.9188
P9 start: 84.7879	end: 85.7325	delta: 0.9446

H3: 0.00029471	H21: 0.000573447	H21f: 2.7307e-05	c2sd = 0.0987
H5: 0.000362911	H23: 0.000618413	H23f: 2.68875e-05	c2ed = 0.2996
H7: 0.000468898	H25: 0.000575436	H25f: 2.30175e-05	c3sd = 0.1304
H9: 0.000560582	H27: 0.000551053	H27f: 2.04094e-05	c3ed = 0.4241
H11: 0.000546692	H29: 0.000556596	H29f: 1.9193e-05	c4sd = 0.1282
H13: 0.000559784	H31: 0.00049148	H31f: 1.58542e-05	c4ed = 0.5068
H15: 0.000612542	H33: 0.000373476	H33f: 1.13175e-05	c5sd = 0.0196
H17: 0.000563915	H35: 0.000326267	H35f: 9.3219e-06	c5ed = 0.4724
H19: 0.000589194	H37: -1.00009	H37f: -0.0270295	varx = 3.6821%.
	H39: 0.975163	H39f: 0.0250042	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 11/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.11
Actual Amplitude:	0.109998
Actual Power:	0.0120997
Distortion 2H-34H:	0.327593%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2366	end: 9.4102	delta: 0.1736
P2 start: 18.7102	end: 19.0489	delta: 0.3387
P3 start: 28.1243	end: 28.6202	delta: 0.496
P4 start: 37.5374	end: 38.1774	delta: 0.64
P5 start: 46.9545	end: 47.7212	delta: 0.7667
P6 start: 56.3813	end: 57.254	delta: 0.8727
P7 start: 65.8203	end: 66.7751	delta: 0.9548
P8 start: 75.2728	end: 76.2835	delta: 1.0108
P9 start: 84.7394	end: 85.7785	delta: 1.0391

H3: 0.000438564	H21: 0.000991098	H21f: 4.71951e-05	c2sd = 0.0735
H5: 0.000523241	H23: 0.000964429	H23f: 4.19317e-05	c2ed = 0.2856
H7: 0.000745418	H25: 0.000803711	H25f: 3.21484e-05	c3sd = 0.1073
H9: 0.000741826	H27: 0.000858194	H27f: 3.17849e-05	c3ed = 0.4172
H11: 0.000819885	H29: 0.000754496	H29f: 2.60171e-05	c4sd = 0.1078
H13: 0.00084219	H31: 0.000754202	H31f: 2.43291e-05	c4ed = 0.5071
H15: 0.000926573	H33: 0.000512345	H33f: 1.55256e-05	c5sd = -0.0009
H17: 0.00096387	H35: 0.000426178	H35f: 1.21765e-05	c5ed = 0.4765
H19: 0.00105523	H37: -1.00243	H37f: -0.0270927	varx = 3.6735%.
	H39: 0.967518	H39f: 0.0248082	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 12/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.12
Actual Amplitude:	0.120006
Actual Power:	0.0144014
Distortion 2H-34H:	0.233655%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2692	end: 9.4578	delta: 0.1886
P2 start: 18.7097	end: 19.0789	delta: 0.3693
P3 start: 28.1107	end: 28.6516	delta: 0.5409
P4 start: 37.5126	end: 38.2106	delta: 0.6981
P5 start: 46.9222	end: 47.7586	delta: 0.8364
P6 start: 56.343	end: 57.295	delta: 0.952
P7 start: 65.7777	end: 66.8194	delta: 1.0417
P8 start: 75.2271	end: 76.3299	delta: 1.1028
P9 start: 84.6924	end: 85.8261	delta: 1.1337

H3: 0.000288583	H21: 0.000705602	H21f: 3.36001e-05	c2sd = 0.09
H5: 0.00037286	H23: 0.000713011	H23f: 3.10005e-05	c2ed = 0.2986
H7: 0.000537084	H25: 0.000616054	H25f: 2.46421e-05	c3sd = 0.1187
H9: 0.000503246	H27: 0.000614875	H27f: 2.27731e-05	c3ed = 0.4235
H11: 0.000598245	H29: 0.000548221	H29f: 1.89042e-05	c4sd = 0.1152
H13: 0.000599753	H31: 0.000510444	H31f: 1.6466e-05	c4ed = 0.508
H15: 0.000665111	H33: 0.000407875	H33f: 1.23599e-05	c5sd = 0.0057
H17: 0.000684437	H35: 0.000296828	H35f: 8.4808e-06	c5ed = 0.4751
H19: 0.000698297	H37: -0.997112	H37f: -0.026949	varx = 3.6625%.
	H39: 0.967297	H39f: 0.0248025	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.13
Actual Amplitude:	0.130018
Actual Power:	0.0169047
Distortion 2H-34H:	0.162936%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2921	end: 9.4958	delta: 0.2037
P2 start: 18.7056	end: 19.1055	delta: 0.3998
P3 start: 28.0942	end: 28.6801	delta: 0.5859
P4 start: 37.4866	end: 38.2428	delta: 0.7562
P5 start: 46.8885	end: 47.7947	delta: 0.9062
P6 start: 56.3034	end: 57.3348	delta: 1.0314
P7 start: 65.7338	end: 66.8623	delta: 1.1285
P8 start: 75.181	end: 76.3758	delta: 1.1948
P9 start: 84.645	end: 85.8735	delta: 1.2285

H3: 0.000209936	H21: 0.000459035	H21f: 2.18588e-05	c2sd = 0.0995
H5: 0.00024667	H23: 0.000494796	H23f: 2.15129e-05	c2ed = 0.3116
H7: 0.000334791	H25: 0.000436791	H25f: 1.74716e-05	c3sd = 0.1221
H9: 0.000392308	H27: 0.000430637	H27f: 1.59495e-05	c3ed = 0.4322
H11: 0.000391872	H29: 0.00040756	H29f: 1.40538e-05	c4sd = 0.115
H13: 0.000428028	H31: 0.000372849	H31f: 1.20274e-05	c4ed = 0.5145
H15: 0.00046252	H33: 0.000231002	H33f: 7.00005e-06	c5sd = 0.0029
H17: 0.000491609	H35: 0.000233328	H35f: 6.66651e-06	c5ed = 0.4804
H19: 0.000496817	H37: -0.992412	H37f: -0.026822	varx = 3.6508%.
	H39: 0.965939	H39f: 0.0247677	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 14/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.14
Actual Amplitude:	0.139999
Actual Power:	0.0195998
Distortion 2H-34H:	0.127625%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.3003	end: 9.5194	delta: 0.2191
P2 start: 18.695	end: 19.1254	delta: 0.4304
P3 start: 28.0731	end: 28.7039	delta: 0.6308
P4 start: 37.457	end: 38.2712	delta: 0.8142
P5 start: 46.8526	end: 47.8282	delta: 0.9756
P6 start: 56.2627	end: 57.3732	delta: 1.1105
P7 start: 65.6893	end: 66.9045	delta: 1.2152
P8 start: 75.1341	end: 76.4208	delta: 1.2866
P9 start: 84.5975	end: 85.9203	delta: 1.3229

H3: 0.000199667	H21: 0.000349152	H21f: 1.66263e-05	c2sd = 0.1083
H5: 0.000227783	H23: 0.000371066	H23f: 1.61333e-05	c2ed = 0.3121
H7: 0.000282115	H25: 0.000358663	H25f: 1.43465e-05	c3sd = 0.1296
H9: 0.000281099	H27: 0.000321936	H27f: 1.19236e-05	c3ed = 0.4273
H11: 0.000316625	H29: 0.000275452	H29f: 9.49835e-06	c4sd = 0.1224
H13: 0.000330378	H31: 0.000312728	H31f: 1.0088e-05	c4ed = 0.5057
H15: 0.000364026	H33: 0.000225095	H33f: 6.82106e-06	c5sd = 0.0115
H17: 0.000355414	H35: 0.000223926	H35f: 6.39789e-06	c5ed = 0.4693
H19: 0.000379286	H37: -0.988939	H37f: -0.0267281	varx = 3.6386%.
	H39: 0.962854	H39f: 0.0246886	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 15/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.15
Actual Amplitude:	0.150001
Actual Power:	0.0225002
Distortion 2H-34H:	0.0900911%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.3077	end: 9.542	delta: 0.2343
P2 start: 18.6851	end: 19.146	delta: 0.4609
P3 start: 28.0527	end: 28.7283	delta: 0.6756
P4 start: 37.4283	end: 38.3005	delta: 0.8722
P5 start: 46.8171	end: 47.8623	delta: 1.0452
P6 start: 56.2218	end: 57.4116	delta: 1.1898
P7 start: 65.6448	end: 66.9469	delta: 1.3021
P8 start: 75.0874	end: 76.4661	delta: 1.3787
P9 start: 84.5499	end: 85.9675	delta: 1.4176

H3: 0.000101862	H21: 0.000256751	H21f: 1.22262e-05	c2sd = 0.1108
H5: 0.000164834	H23: 0.000278485	H23f: 1.21081e-05	c2ed = 0.3203
H7: 0.000196231	H25: 0.000238782	H25f: 9.55128e-06	c3sd = 0.1274
H9: 0.000213955	H27: 0.000219202	H27f: 8.11859e-06	c3ed = 0.4336
H11: 0.000229282	H29: 0.00020145	H29f: 6.94656e-06	c4sd = 0.1173
H13: 0.000247287	H31: 0.000203844	H31f: 6.5756e-06	c4ed = 0.5116
H15: 0.00026275	H33: 0.000144606	H33f: 4.382e-06	c5sd = 0.0044
H17: 0.000263564	H35: 0.000112014	H35f: 3.20041e-06	c5ed = 0.4751
H19: 0.000271023	H37: -0.985062	H37f: -0.0266233	varx = 3.6254%.
	H39: 0.959686	H39f: 0.0246073	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.16
Actual Amplitude:	0.16
Actual Power:	0.0256
Distortion 2H-34H:	0.0814435%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.3025	end: 9.5523	delta: 0.2498
P2 start: 18.6697	end: 19.1612	delta: 0.4915
P3 start: 28.0287	end: 28.7492	delta: 0.7206
P4 start: 37.3969	end: 38.3272	delta: 0.9303
P5 start: 46.7793	end: 47.8941	delta: 1.1148
P6 start: 56.1795	end: 57.4486	delta: 1.2691
P7 start: 65.5992	end: 66.9882	delta: 1.3889
P8 start: 75.0399	end: 76.5106	delta: 1.4707
P9 start: 84.5021	end: 86.0143	delta: 1.5122

H3: 0.000101504	H21: 0.000251773	H21f: 1.19892e-05	c2sd = 0.1003
H5: 0.000135655	H23: 0.000235159	H23f: 1.02243e-05	c2ed = 0.3305
H7: 0.000162285	H25: 0.000222076	H25f: 8.88304e-06	c3sd = 0.1107
H9: 0.000165906	H27: 0.000219908	H27f: 8.14475e-06	c3ed = 0.4472
H11: 0.000221033	H29: 0.000184003	H29f: 6.34493e-06	c4sd = 0.0952
H13: 0.000220339	H31: 0.000161804	H31f: 5.21948e-06	c4ed = 0.5288
H15: 0.000230867	H33: 0.000137696	H33f: 4.17261e-06	c5sd = -0.0222
H17: 0.000244246	H35: 0.000106302	H35f: 3.03719e-06	c5ed = 0.4956
H19: 0.000252412	H37: -0.982186	H37f: -0.0265456	varx = 3.6115%.
	H39: 0.955013	H39f: 0.0244875	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.17
Actual Amplitude:	0.17
Actual Power:	0.0289
Distortion 2H-34H:	0.0566447%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.3056	end: 9.5707	delta: 0.2651
P2 start: 18.6565	end: 19.1786	delta: 0.5221
P3 start: 28.0059	end: 28.7714	delta: 0.7654
P4 start: 37.3664	end: 38.3547	delta: 0.9882
P5 start: 46.7425	end: 47.9269	delta: 1.1844
P6 start: 56.1375	end: 57.486	delta: 1.3485
P7 start: 65.5538	end: 67.0296	delta: 1.4758
P8 start: 74.9926	end: 76.5554	delta: 1.5628
P9 start: 84.4545	end: 86.0614	delta: 1.6069

H3: 7.36589e-05	H21: 0.000166663	H21f: 7.93631e-06	c2sd = 0.1037
H5: 0.000108658	H23: 0.000149977	H23f: 6.52073e-06	c2ed = 0.3314
H7: 0.000121043	H25: 0.000147157	H25f: 5.88628e-06	c3sd = 0.1123
H9: 0.000152476	H27: 0.000142705	H27f: 5.28536e-06	c3ed = 0.445
H11: 0.000135792	H29: 0.000142069	H29f: 4.89892e-06	c4sd = 0.0962
H13: 0.000157654	H31: 0.000118459	H31f: 3.82126e-06	c4ed = 0.5248
H15: 0.000151068	H33: 0.0001178	H33f: 3.5697e-06	c5sd = -0.0212
H17: 0.000176282	H35: 6.74601e-05	H35f: 1.92743e-06	c5ed = 0.4906
H19: 0.000153638	H37: -0.978562	H37f: -0.0264476	varx = 3.5967%.
	H39: 0.950635	H39f: 0.0243753	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 18/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.18
Actual Amplitude:	0.18
Actual Power:	0.0323999
Distortion 2H-34H:	0.0484791%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.3002	end: 9.5807	delta: 0.2805
P2 start: 18.6407	end: 19.1934	delta: 0.5526
P3 start: 27.9816	end: 28.7918	delta: 0.8103
P4 start: 37.3344	end: 38.3807	delta: 1.0463
P5 start: 46.7043	end: 47.9583	delta: 1.254
P6 start: 56.0947	end: 57.5225	delta: 1.4278
P7 start: 65.5077	end: 67.0704	delta: 1.5628
P8 start: 74.9448	end: 76.5997	delta: 1.6549
P9 start: 84.4063	end: 86.1079	delta: 1.7016

H3: 8.02478e-05	H21: 0.000130822	H21f: 6.22961e-06	c2sd = 0.1101
H5: 7.63127e-05	H23: 0.000146063	H23f: 6.35056e-06	c2ed = 0.324
H7: 0.000107994	H25: 0.000124579	H25f: 4.98318e-06	c3sd = 0.1204
H9: 0.000112853	H27: 0.000130139	H27f: 4.81997e-06	c3ed = 0.433
H11: 0.000128517	H29: 0.00010571	H29f: 3.64516e-06	c4sd = 0.1064
H13: 0.00013709	H31: 9.32454e-05	H31f: 3.00792e-06	c4ed = 0.5088
H15: 0.000135536	H33: 8.10527e-05	H33f: 2.45614e-06	c5sd = -0.0088
H17: 0.00013028	H35: 7.66982e-05	H35f: 2.19138e-06	c5ed = 0.4714
H19: 0.000156464	H37: -0.975393	H37f: -0.026362	varx = 3.5812%.
	H39: 0.945319	H39f: 0.024239	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.19
Actual Amplitude:	0.19
Actual Power:	0.0361001
Distortion 2H-34H:	0.0389408%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2957	end: 9.5916	delta: 0.2959
P2 start: 18.6248	end: 19.2079	delta: 0.5831
P3 start: 27.957	end: 28.8121	delta: 0.8551
P4 start: 37.3023	end: 38.4065	delta: 1.1042
P5 start: 46.6662	end: 47.9898	delta: 1.3236
P6 start: 56.0518	end: 57.559	delta: 1.5072
P7 start: 65.4616	end: 67.1112	delta: 1.6496
P8 start: 74.897	end: 76.6441	delta: 1.747
P9 start: 84.3584	end: 86.1548	delta: 1.7965

H3: 5.76505e-05	H21: 0.000109861	H21f: 5.23148e-06	c2sd = 0.1053
H5: 6.98197e-05	H23: 0.000106716	H23f: 4.63983e-06	c2ed = 0.3274
H7: 7.65757e-05	H25: 0.000112367	H25f: 4.49466e-06	c3sd = 0.1122
H9: 8.8495e-05	H27: 0.000100833	H27f: 3.73455e-06	c3ed = 0.4369
H11: 9.22674e-05	H29: 8.79426e-05	H29f: 3.0325e-06	c4sd = 0.0954
H13: 0.0001178	H31: 8.59797e-05	H31f: 2.77354e-06	c4ed = 0.5134
H15: 0.000119934	H33: 7.69319e-05	H33f: 2.33127e-06	c5sd = -0.0214
H17: 9.91986e-05	H35: 6.47983e-05	H35f: 1.85138e-06	c5ed = 0.4773
H19: 0.000107866	H37: -0.972011	H37f: -0.0262706	varx = 3.5648%.
	H39: 0.939744	H39f: 0.024096	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 20/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.2
Actual Amplitude:	0.2
Actual Power:	0.04
Distortion 2H-34H:	0.0369984%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2876	end: 9.599	delta: 0.3114
P2 start: 18.6073	end: 19.221	delta: 0.6137
P3 start: 27.9312	end: 28.8311	delta: 0.9
P4 start: 37.2695	end: 38.4317	delta: 1.1622
P5 start: 46.6273	end: 48.0205	delta: 1.3932
P6 start: 56.0084	end: 57.5948	delta: 1.5865
P7 start: 65.4151	end: 67.1517	delta: 1.7366
P8 start: 74.8488	end: 76.6881	delta: 1.8393
P9 start: 84.3103	end: 86.2016	delta: 1.8913

H3: 4.92027e-05	H21: 0.000108343	H21f: 5.15921e-06	$c_{2sd} = 0.1017$
H5: 7.77883e-05	H23: 9.7586e-05	H23f: 4.24287e-06	$c_{2ed} = 0.3266$
H7: 8.59737e-05	H25: 0.000104988	H25f: 4.19951e-06	$c_{3sd} = 0.1069$
H9: 8.04023e-05	H27: 9.50886e-05	H27f: 3.5218e-06	$c_{3ed} = 0.4354$
H11: 9.59676e-05	H29: 8.41213e-05	H29f: 2.90073e-06	$c_{4sd} = 0.0891$
H13: 9.92713e-05	H31: 8.68952e-05	H31f: 2.80307e-06	$c_{4ed} = 0.5121$
H15: 9.34724e-05	H33: 6.7727e-05	H33f: 2.05233e-06	$c_{5sd} = -0.0285$
H17: 0.000114216	H35: 5.41211e-05	H35f: 1.54632e-06	$c_{5ed} = 0.4763$
H19: 0.000101215	H37: -0.968765	H37f: -0.0261828	$var_x = 3.5476\%.$
	H39: 0.933566	H39f: 0.0239376	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.21
Actual Amplitude:	0.21
Actual Power:	0.0441002
Distortion 2H-34H:	0.0353527%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2792	end: 9.606	delta: 0.3268
P2 start: 18.5897	end: 19.2339	delta: 0.6442
P3 start: 27.9053	end: 28.85	delta: 0.9447
P4 start: 37.2365	end: 38.4566	delta: 1.2201
P5 start: 46.5882	end: 48.051	delta: 1.4627
P6 start: 55.9646	end: 57.6304	delta: 1.6658
P7 start: 65.3683	end: 67.1919	delta: 1.8236
P8 start: 74.8007	end: 76.7322	delta: 1.9315
P9 start: 84.262	end: 86.2482	delta: 1.9862

H3: 5.17985e-05	H21: 9.74879e-05	H21f: 4.64228e-06	c2sd = 0.1036
H5: 6.34592e-05	H23: 0.000104267	H23f: 4.53336e-06	c2ed = 0.32
H7: 7.76461e-05	H25: 8.70938e-05	H25f: 3.48375e-06	c3sd = 0.1097
H9: 8.8459e-05	H27: 8.95699e-05	H27f: 3.3174e-06	c3ed = 0.4257
H11: 9.09047e-05	H29: 9.1231e-05	H29f: 3.1459e-06	c4sd = 0.093
H13: 9.05686e-05	H31: 8.29437e-05	H31f: 2.6756e-06	c4ed = 0.5
H15: 0.000100682	H33: 5.93219e-05	H33f: 1.79763e-06	c5sd = -0.0231
H17: 9.46403e-05	H35: 5.73053e-05	H35f: 1.63729e-06	c5ed = 0.4623
H19: 0.00010425	H37: -0.96537	H37f: -0.0260911	varx = 3.5296%.
	H39: 0.927072	H39f: 0.0237711	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.22
Actual Amplitude:	0.22
Actual Power:	0.0484
Distortion 2H-34H:	0.0339052%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2705	end: 9.6127	delta: 0.3422
P2 start: 18.572	end: 19.2466	delta: 0.6746
P3 start: 27.8793	end: 28.8688	delta: 0.9895
P4 start: 37.2031	end: 38.4811	delta: 1.278
P5 start: 46.5489	end: 48.0812	delta: 1.5323
P6 start: 55.9207	end: 57.6659	delta: 1.7452
P7 start: 65.3213	end: 67.232	delta: 1.9106
P8 start: 74.7523	end: 76.776	delta: 2.0238
P9 start: 84.2138	end: 86.295	delta: 2.0811

H3: 4.64545e-05	H21: 9.77384e-05	H21f: 4.65421e-06	c2sd = 0.1019
H5: 5.99539e-05	H23: 8.60748e-05	H23f: 3.74238e-06	c2ed = 0.3167
H7: 7.36241e-05	H25: 9.65195e-05	H25f: 3.86078e-06	c3sd = 0.1072
H9: 7.27864e-05	H27: 8.52943e-05	H27f: 3.15905e-06	c3ed = 0.421
H11: 8.54871e-05	H29: 8.73817e-05	H29f: 3.01316e-06	c4sd = 0.0902
H13: 9.22102e-05	H31: 7.84949e-05	H31f: 2.53209e-06	c4ed = 0.4941
H15: 0.000103741	H33: 5.88939e-05	H33f: 1.78466e-06	c5sd = -0.0258
H17: 9.59392e-05	H35: 4.75058e-05	H35f: 1.35731e-06	c5ed = 0.4559
H19: 9.81499e-05	H37: -0.961817	H37f: -0.0259951	varx = 3.5108%.
	H39: 0.920279	H39f: 0.0235969	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.23
Actual Amplitude:	0.230017
Actual Power:	0.0529078
Distortion 2H-34H:	0.0638084%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2476	end: 9.6057	delta: 0.3581
P2 start: 18.5481	end: 19.2534	delta: 0.7053
P3 start: 27.8491	end: 28.8835	delta: 1.0343
P4 start: 37.1668	end: 38.5028	delta: 1.336
P5 start: 46.5074	end: 48.1094	delta: 1.6019
P6 start: 55.8752	end: 57.7	delta: 1.8247
P7 start: 65.2733	end: 67.2711	delta: 1.9978
P8 start: 74.7032	end: 76.8194	delta: 2.1163
P9 start: 84.1652	end: 86.3416	delta: 2.1764

H3: 8.8203e-05	H21: 0.000189902	H21f: 9.04295e-06	c2sd = 0.0942
H5: 0.00012564	H23: 0.000178051	H23f: 7.74135e-06	c2ed = 0.3072
H7: 0.000144418	H25: 0.000167331	H25f: 6.69322e-06	c3sd = 0.1008
H9: 0.000147115	H27: 0.000154215	H27f: 5.71166e-06	c3ed = 0.4117
H11: 0.00015402	H29: 0.000129972	H29f: 4.4818e-06	c4sd = 0.0847
H13: 0.000174689	H31: 0.00014249	H31f: 4.59645e-06	c4ed = 0.4849
H15: 0.000190351	H33: 0.000126956	H33f: 3.84714e-06	c5sd = -0.0302
H17: 0.000178787	H35: 9.8717e-05	H35f: 2.82049e-06	c5ed = 0.447
H19: 0.000189852	H37: -0.959311	H37f: -0.0259273	varx = 3.4914%.
	H39: 0.91191	H39f: 0.0233823	

STEP-LOCKED MAGIC SINEWAVE AEXC36 - 24/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.24
Actual Amplitude:	0.240005
Actual Power:	0.0576023
Distortion 2H-34H:	0.0499831%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2446	end: 9.618	delta: 0.3734
P2 start: 18.5326	end: 19.2682	delta: 0.7356
P3 start: 27.8241	end: 28.9031	delta: 1.079
P4 start: 37.1342	end: 38.5279	delta: 1.3937
P5 start: 46.4684	end: 48.1398	delta: 1.6714
P6 start: 55.8314	end: 57.7353	delta: 1.904
P7 start: 65.2263	end: 67.3111	delta: 2.0848
P8 start: 74.6548	end: 76.8633	delta: 2.2085
P9 start: 84.1169	end: 86.3882	delta: 2.2713

H3: 8.10542e-05	H21: 0.000139311	H21f: 6.63388e-06	c2sd = 0.0832
H5: 9.88461e-05	H23: 0.000146417	H23f: 6.36597e-06	c2ed = 0.3176
H7: 0.000110627	H25: 0.000120816	H25f: 4.83264e-06	c3sd = 0.0824
H9: 0.000119983	H27: 0.000112944	H27f: 4.18312e-06	c3ed = 0.4248
H11: 0.000114179	H29: 0.000100455	H29f: 3.46398e-06	c4sd = 0.0606
H13: 0.000128015	H31: 0.000121719	H31f: 3.92642e-06	c4ed = 0.5015
H15: 0.000151125	H33: 8.98217e-05	H33f: 2.72187e-06	c5sd = -0.0589
H17: 0.000150923	H35: 7.98827e-05	H35f: 2.28236e-06	c5ed = 0.4672
H19: 0.000155757	H37: -0.954988	H37f: -0.0258105	varx = 3.4708%.
	H39: 0.905014	H39f: 0.0232055	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 25/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.25
Actual Amplitude:	0.25
Actual Power:	0.0625
Distortion 2H-34H:	0.0391742%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2402	end: 9.6287	delta: 0.3885
P2 start: 18.5162	end: 19.2821	delta: 0.7659
P3 start: 27.799	end: 28.9226	delta: 1.1235
P4 start: 37.1012	end: 38.5527	delta: 1.4515
P5 start: 46.429	end: 48.1698	delta: 1.7408
P6 start: 55.7873	end: 57.7706	delta: 1.9833
P7 start: 65.179	end: 67.3509	delta: 2.1718
P8 start: 74.606	end: 76.9068	delta: 2.3008
P9 start: 84.0685	end: 86.4349	delta: 2.3663

H3: 5.46415e-05	H21: 0.000118896	H21f: 5.66171e-06	c2sd = 0.0792
H5: 5.67665e-05	H23: 0.000105627	H23f: 4.59248e-06	c2ed = 0.3192
H7: 9.15462e-05	H25: 0.000109137	H25f: 4.36549e-06	c3sd = 0.0755
H9: 8.73253e-05	H27: 0.000111757	H27f: 4.13913e-06	c3ed = 0.4261
H11: 9.71957e-05	H29: 6.81135e-05	H29f: 2.34874e-06	c4sd = 0.0511
H13: 0.00010522	H31: 0.000112123	H31f: 3.61687e-06	c4ed = 0.5028
H15: 0.000100115	H33: 3.92977e-05	H33f: 1.19084e-06	c5sd = -0.0702
H17: 0.000112212	H35: 7.50584e-05	H35f: 2.14453e-06	c5ed = 0.469
H19: 0.000118454	H37: -0.950597	H37f: -0.0256918	varx = 3.4495%.
	H39: 0.897726	H39f: 0.0230186	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.26
Actual Amplitude:	0.260002
Actual Power:	0.0676011
Distortion 2H-34H:	0.0274951%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2358	end: 9.6396	delta: 0.4037
P2 start: 18.5	end: 19.2962	delta: 0.7962
P3 start: 27.7735	end: 28.9416	delta: 1.1681
P4 start: 37.0678	end: 38.5771	delta: 1.5093
P5 start: 46.3894	end: 48.1997	delta: 1.8103
P6 start: 55.7429	end: 57.8055	delta: 2.0626
P7 start: 65.1317	end: 67.3906	delta: 2.2589
P8 start: 74.5574	end: 76.9508	delta: 2.3933
P9 start: 84.0202	end: 86.4818	delta: 2.4616

H3: 3.04534e-05	H21: 9.18885e-05	H21f: 4.37564e-06	c2sd = 0.0767
H5: 5.34152e-05	H23: 8.1157e-05	H23f: 3.52857e-06	c2ed = 0.3195
H7: 4.86616e-05	H25: 8.35261e-05	H25f: 3.34104e-06	c3sd = 0.0701
H9: 5.95772e-05	H27: 5.84421e-05	H27f: 2.16452e-06	c3ed = 0.425
H11: 6.2782e-05	H29: 6.97809e-05	H29f: 2.40624e-06	c4sd = 0.0438
H13: 7.31287e-05	H31: 5.69837e-05	H31f: 1.83818e-06	c4ed = 0.5011
H15: 8.14946e-05	H33: 5.11597e-05	H33f: 1.55029e-06	c5sd = -0.0784
H17: 8.3136e-05	H35: 3.12735e-05	H35f: 8.93529e-07	c5ed = 0.4674
H19: 7.69657e-05	H37: -0.946045	H37f: -0.0255688	varx = 3.4274%.
	H39: 0.890155	H39f: 0.0228245	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.27
Actual Amplitude:	0.269999
Actual Power:	0.0728997
Distortion 2H-34H:	0.0240959%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.228	end: 9.6471	delta: 0.419
P2 start: 18.4818	end: 19.3083	delta: 0.8265
P3 start: 27.7469	end: 28.9595	delta: 1.2127
P4 start: 37.0336	end: 38.6006	delta: 1.567
P5 start: 46.349	end: 48.2287	delta: 1.8797
P6 start: 55.6979	end: 57.8399	delta: 2.142
P7 start: 65.0838	end: 67.4298	delta: 2.3461
P8 start: 74.5083	end: 76.9941	delta: 2.4858
P9 start: 83.9715	end: 86.5283	delta: 2.5568

H3: 2.96069e-05	H21: 7.19159e-05	H21f: 3.42457e-06	c2sd = 0.0852
H5: 3.79456e-05	H23: 6.63101e-05	H23f: 2.88305e-06	c2ed = 0.305
H7: 4.6659e-05	H25: 7.08992e-05	H25f: 2.83597e-06	c3sd = 0.0827
H9: 5.66841e-05	H27: 6.30761e-05	H27f: 2.33615e-06	c3ed = 0.4038
H11: 6.11729e-05	H29: 5.77568e-05	H29f: 1.99161e-06	c4sd = 0.0602
H13: 7.32101e-05	H31: 5.63607e-05	H31f: 1.81809e-06	c4ed = 0.474
H15: 6.63157e-05	H33: 3.65743e-05	H33f: 1.10831e-06	c5sd = -0.058
H17: 6.24821e-05	H35: 3.99934e-05	H35f: 1.14267e-06	c5ed = 0.4356
H19: 7.01956e-05	H37: -0.94166	H37f: -0.0254503	varx = 3.4046%.
	H39: 0.881963	H39f: 0.0226144	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.28
Actual Amplitude:	0.28
Actual Power:	0.0784
Distortion 2H-34H:	0.0213469%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2198	end: 9.6541	delta: 0.4343
P2 start: 18.4636	end: 19.3204	delta: 0.8568
P3 start: 27.7198	end: 28.9771	delta: 1.2572
P4 start: 36.9991	end: 38.6238	delta: 1.6247
P5 start: 46.3083	end: 48.2575	delta: 1.9491
P6 start: 55.6527	end: 57.874	delta: 2.2213
P7 start: 65.0357	end: 67.4689	delta: 2.4332
P8 start: 74.4591	end: 77.0375	delta: 2.5783
P9 start: 83.9228	end: 86.575	delta: 2.6521

H3: 2.42128e-05	H21: 6.04676e-05	H21f: 2.87941e-06	c2sd = 0.0897
H5: 4.34747e-05	H23: 6.34467e-05	H23f: 2.75855e-06	c2ed = 0.2943
H7: 4.5341e-05	H25: 6.01273e-05	H25f: 2.40509e-06	c3sd = 0.0891
H9: 4.93894e-05	H27: 5.739e-05	H27f: 2.12556e-06	c3ed = 0.3878
H11: 4.68651e-05	H29: 4.84786e-05	H29f: 1.67168e-06	c4sd = 0.069
H13: 5.99622e-05	H31: 5.12526e-05	H31f: 1.65331e-06	c4ed = 0.4538
H15: 6.00261e-05	H33: 3.45945e-05	H33f: 1.04832e-06	c5sd = -0.0465
H17: 6.04896e-05	H35: 3.32991e-05	H35f: 9.51403e-07	c5ed = 0.4123
H19: 6.05844e-05	H37: -0.937141	H37f: -0.0253281	varx = 3.381%.
	H39: 0.873465	H39f: 0.0223965	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.29
Actual Amplitude:	0.29
Actual Power:	0.0841002
Distortion 2H-34H:	0.0176929%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.212	end: 9.6616	delta: 0.4496
P2 start: 18.4454	end: 19.3324	delta: 0.887
P3 start: 27.6929	end: 28.9946	delta: 1.3017
P4 start: 36.9644	end: 38.6468	delta: 1.6824
P5 start: 46.2674	end: 48.286	delta: 2.0186
P6 start: 55.6072	end: 57.9079	delta: 2.3007
P7 start: 64.9874	end: 67.5078	delta: 2.5204
P8 start: 74.4097	end: 77.0807	delta: 2.6709
P9 start: 83.8741	end: 86.6216	delta: 2.7475

H3: 2.90479e-05	H21: 5.2999e-05	H21f: 2.52376e-06	c2sd = 0.0876
H5: 3.22929e-05	H23: 4.17798e-05	H23f: 1.81651e-06	c2ed = 0.2901
H7: 3.24499e-05	H25: 5.39925e-05	H25f: 2.1597e-06	c3sd = 0.0858
H9: 4.14638e-05	H27: 4.44878e-05	H27f: 1.6477e-06	c3ed = 0.3816
H11: 4.22277e-05	H29: 4.39734e-05	H29f: 1.51632e-06	c4sd = 0.065
H13: 5.59016e-05	H31: 4.03851e-05	H31f: 1.30275e-06	c4ed = 0.4462
H15: 4.48367e-05	H33: 3.28305e-05	H33f: 9.94865e-07	c5sd = -0.0506
H17: 4.80283e-05	H35: 3.75342e-05	H35f: 1.07241e-06	c5ed = 0.404
H19: 4.38129e-05	H37: -0.932442	H37f: -0.0252011	varx = 3.3566%.
	H39: 0.864721	H39f: 0.0221723	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.3
Actual Amplitude:	0.300002
Actual Power:	0.0900011
Distortion 2H-34H:	0.017382%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.2024	end: 9.6673	delta: 0.4649
P2 start: 18.4264	end: 19.3437	delta: 0.9173
P3 start: 27.6652	end: 29.0114	delta: 1.3462
P4 start: 36.9293	end: 38.6693	delta: 1.74
P5 start: 46.2262	end: 48.3141	delta: 2.088
P6 start: 55.5614	end: 57.9415	delta: 2.3801
P7 start: 64.9387	end: 67.5464	delta: 2.6077
P8 start: 74.3601	end: 77.1238	delta: 2.7636
P9 start: 83.8253	end: 86.6682	delta: 2.8429

H3: 3.238e-05	H21: 5.13526e-05	H21f: 2.44536e-06	c2sd = 0.0783
H5: 3.54662e-05	H23: 4.52043e-05	H23f: 1.96541e-06	c2ed = 0.2918
H7: 3.60661e-05	H25: 4.83979e-05	H25f: 1.93592e-06	c3sd = 0.0723
H9: 4.26111e-05	H27: 3.68303e-05	H27f: 1.36409e-06	c3ed = 0.3842
H11: 4.10039e-05	H29: 4.26295e-05	H29f: 1.46998e-06	c4sd = 0.0482
H13: 5.32012e-05	H31: 3.80921e-05	H31f: 1.22878e-06	c4ed = 0.4504
H15: 4.19084e-05	H33: 2.93137e-05	H33f: 8.88293e-07	c5sd = -0.0699
H17: 5.47751e-05	H35: 3.40279e-05	H35f: 9.72225e-07	c5ed = 0.4102
H19: 4.30978e-05	H37: -0.927708	H37f: -0.0250732	varx = 3.3316%.
	H39: 0.855571	H39f: 0.0219377	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 31/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.31
Actual Amplitude:	0.31
Actual Power:	0.0961
Distortion 2H-34H:	0.015789%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.1932	end: 9.6733	delta: 0.4801
P2 start: 18.4076	end: 19.355	delta: 0.9474
P3 start: 27.6376	end: 29.0281	delta: 1.3905
P4 start: 36.8942	end: 38.6917	delta: 1.7976
P5 start: 46.1847	end: 48.342	delta: 2.1573
P6 start: 55.5153	end: 57.9748	delta: 2.4595
P7 start: 64.89	end: 67.5849	delta: 2.6949
P8 start: 74.3104	end: 77.1668	delta: 2.8564
P9 start: 83.7763	end: 86.7148	delta: 2.9385

H3: 2.5705e-05	H21: 4.60592e-05	H21f: 2.19329e-06	c2sd = 0.0782
H5: 2.99157e-05	H23: 4.18305e-05	H23f: 1.81872e-06	c2ed = 0.2845
H7: 2.98668e-05	H25: 3.74755e-05	H25f: 1.49902e-06	c3sd = 0.0721
H9: 4.24337e-05	H27: 3.93781e-05	H27f: 1.45845e-06	c3ed = 0.3735
H11: 4.29975e-05	H29: 4.01825e-05	H29f: 1.38561e-06	c4sd = 0.0485
H13: 3.83598e-05	H31: 2.9235e-05	H31f: 9.43065e-07	c4ed = 0.4374
H15: 4.25642e-05	H33: 2.73445e-05	H33f: 8.28621e-07	c5sd = -0.0687
H17: 4.49442e-05	H35: 2.72228e-05	H35f: 7.77795e-07	c5ed = 0.3954
H19: 5.23893e-05	H37: -0.922774	H37f: -0.0249398	varx = 3.3057%.
	H39: 0.846208	H39f: 0.0216977	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.32
Actual Amplitude:	0.32
Actual Power:	0.1024
Distortion 2H-34H:	0.0184073%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.1823	end: 9.6777	delta: 0.4954
P2 start: 18.3877	end: 19.3653	delta: 0.9776
P3 start: 27.6092	end: 29.0441	delta: 1.4349
P4 start: 36.8583	end: 38.7134	delta: 1.8551
P5 start: 46.1428	end: 48.3694	delta: 2.2266
P6 start: 55.4689	end: 58.0078	delta: 2.5389
P7 start: 64.8409	end: 67.6231	delta: 2.7823
P8 start: 74.2605	end: 77.2096	delta: 2.9492
P9 start: 83.7273	end: 86.7614	delta: 3.0341

H3: 2.52179e-05	H21: 5.52017e-05	H21f: 2.62865e-06	c2sd = 0.0833
H5: 3.8989e-05	H23: 4.56583e-05	H23f: 1.98514e-06	c2ed = 0.2697
H7: 4.06898e-05	H25: 4.9073e-05	H25f: 1.96292e-06	c3sd = 0.0805
H9: 4.5192e-05	H27: 4.44279e-05	H27f: 1.64548e-06	c3ed = 0.3528
H11: 4.17185e-05	H29: 5.06703e-05	H29f: 1.74725e-06	c4sd = 0.0602
H13: 4.77967e-05	H31: 4.21073e-05	H31f: 1.3583e-06	c4ed = 0.4115
H15: 4.48864e-05	H33: 4.14095e-05	H33f: 1.25483e-06	c5sd = -0.0534
H17: 5.26912e-05	H35: 2.94755e-05	H35f: 8.42158e-07	c5ed = 0.3656
H19: 5.26743e-05	H37: -0.91785	H37f: -0.0248068	varx = 3.2792%.
	H39: 0.836401	H39f: 0.0214462	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.33
Actual Amplitude:	0.33
Actual Power:	0.1089
Distortion 2H-34H:	0.0185005%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.1723	end: 9.6829	delta: 0.5106
P2 start: 18.3684	end: 19.376	delta: 1.0076
P3 start: 27.5811	end: 29.0602	delta: 1.4792
P4 start: 36.8224	end: 38.735	delta: 1.9126
P5 start: 46.1007	end: 48.3967	delta: 2.2959
P6 start: 55.4223	end: 58.0406	delta: 2.6182
P7 start: 64.7916	end: 67.6612	delta: 2.8696
P8 start: 74.2103	end: 77.2524	delta: 3.0421
P9 start: 83.6781	end: 86.8079	delta: 3.1298

H3: 2.5527e-05	H21: 5.58067e-05	H21f: 2.65746e-06	c2sd = 0.0835
H5: 3.54158e-05	H23: 5.0914e-05	H23f: 2.21365e-06	c2ed = 0.2609
H7: 3.80112e-05	H25: 4.78527e-05	H25f: 1.91411e-06	c3sd = 0.081
H9: 3.75878e-05	H27: 4.5475e-05	H27f: 1.68426e-06	c3ed = 0.3403
H11: 4.70399e-05	H29: 3.92698e-05	H29f: 1.35413e-06	c4sd = 0.0614
H13: 4.79936e-05	H31: 4.85614e-05	H31f: 1.5665e-06	c4ed = 0.396
H15: 5.52548e-05	H33: 3.67957e-05	H33f: 1.11502e-06	c5sd = -0.0509
H17: 5.39895e-05	H35: 3.19071e-05	H35f: 9.11631e-07	c5ed = 0.3484
H19: 5.1405e-05	H37: -0.91268	H37f: -0.024667	varx = 3.2519%.
	H39: 0.826434	H39f: 0.0211906	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.34
Actual Amplitude:	0.34
Actual Power:	0.1156
Distortion 2H-34H:	0.0128554%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.1649	end: 9.6906	delta: 0.5257
P2 start: 18.35	end: 19.3876	delta: 1.0376
P3 start: 27.5534	end: 29.0768	delta: 1.5234
P4 start: 36.7869	end: 38.7569	delta: 1.97
P5 start: 46.0588	end: 48.424	delta: 2.3652
P6 start: 55.3758	end: 58.0734	delta: 2.6976
P7 start: 64.7422	end: 67.6992	delta: 2.957
P8 start: 74.1601	end: 77.2951	delta: 3.135
P9 start: 83.6289	end: 86.8545	delta: 3.2256

H3: 1.44342e-05	H21: 3.92635e-05	H21f: 1.86969e-06	c2sd = 0.0824
H5: 2.47315e-05	H23: 4.02455e-05	H23f: 1.74981e-06	c2ed = 0.2551
H7: 3.03883e-05	H25: 3.50795e-05	H25f: 1.40318e-06	c3sd = 0.079
H9: 2.99844e-05	H27: 3.05548e-05	H27f: 1.13166e-06	c3ed = 0.3313
H11: 2.75561e-05	H29: 2.60616e-05	H29f: 8.98674e-07	c4sd = 0.059
H13: 3.5164e-05	H31: 3.69663e-05	H31f: 1.19246e-06	c4ed = 0.3848
H15: 3.11451e-05	H33: 2.07246e-05	H33f: 6.28018e-07	c5sd = -0.0531
H17: 3.81162e-05	H35: 2.01398e-05	H35f: 5.75423e-07	c5ed = 0.3359
H19: 3.54785e-05	H37: -0.90715	H37f: -0.0245176	varx = 3.2239%.
	H39: 0.816437	H39f: 0.0209343	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 35/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.35
Actual Amplitude:	0.350001
Actual Power:	0.1225
Distortion 2H-34H:	0.0113357%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.1557	end: 9.6965	delta: 0.5408
P2 start: 18.3305	end: 19.3982	delta: 1.0676
P3 start: 27.525	end: 29.0926	delta: 1.5676
P4 start: 36.7507	end: 38.7781	delta: 2.0274
P5 start: 46.0163	end: 48.4508	delta: 2.4345
P6 start: 55.3286	end: 58.1056	delta: 2.777
P7 start: 64.6925	end: 67.7369	delta: 3.0445
P8 start: 74.1096	end: 77.3377	delta: 3.228
P9 start: 83.5796	end: 86.901	delta: 3.3215

H3: 2.08881e-05	H21: 3.14921e-05	H21f: 1.49962e-06	c2sd = 0.0665
H5: 2.07724e-05	H23: 3.67576e-05	H23f: 1.59816e-06	c2ed = 0.2622
H7: 3.04493e-05	H25: 2.46667e-05	H25f: 9.86668e-07	c3sd = 0.0558
H9: 2.45742e-05	H27: 3.17135e-05	H27f: 1.17458e-06	c3ed = 0.3419
H11: 2.76755e-05	H29: 2.38963e-05	H29f: 8.24009e-07	c4sd = 0.0295
H13: 2.27673e-05	H31: 3.05802e-05	H31f: 9.86457e-07	c4ed = 0.3993
H15: 2.84482e-05	H33: 2.29184e-05	H33f: 6.94496e-07	c5sd = -0.0875
H17: 3.29328e-05	H35: 1.7966e-05	H35f: 5.13314e-07	c5ed = 0.3546
H19: 3.10068e-05	H37: -0.901635	H37f: -0.0243685	varx = 3.1952%.
	H39: 0.806009	H39f: 0.0206669	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 36/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.36
Actual Amplitude:	0.36
Actual Power:	0.1296
Distortion 2H-34H:	0.00929819%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.1466	end: 9.7025	delta: 0.5559
P2 start: 18.3111	end: 19.4087	delta: 1.0976
P3 start: 27.4966	end: 29.1083	delta: 1.6117
P4 start: 36.7144	end: 38.7991	delta: 2.0847
P5 start: 45.9736	end: 48.4773	delta: 2.5037
P6 start: 55.2814	end: 58.1377	delta: 2.8564
P7 start: 64.6425	end: 67.7744	delta: 3.1319
P8 start: 74.059	end: 77.3801	delta: 3.3211
P9 start: 83.5302	end: 86.9477	delta: 3.4175

H3: 1.65133e-05	H21: 2.63009e-05	H21f: 1.25242e-06	c_{2sd} = 0.0787
H5: 1.74971e-05	H23: 2.2694e-05	H23f: 9.86695e-07	c_{2ed} = 0.2411
H7: 2.36105e-05	H25: 2.70762e-05	H25f: 1.08305e-06	c_{3sd} = 0.0737
H9: 2.15962e-05	H27: 2.2455e-05	H27f: 8.31667e-07	c_{3ed} = 0.3111
H11: 2.07359e-05	H29: 2.34361e-05	H29f: 8.08141e-07	c_{4sd} = 0.0532
H13: 2.39187e-05	H31: 2.14889e-05	H31f: 6.93189e-07	c_{4ed} = 0.3603
H15: 2.2697e-05	H33: 2.28695e-05	H33f: 6.93016e-07	c_{5sd} = -0.0581
H17: 2.66735e-05	H35: 1.55878e-05	H35f: 4.45365e-07	c_{5ed} = 0.309
H19: 2.43539e-05	H37: -0.895951	H37f: -0.0242149	varx = 3.1659%.
	H39: 0.795354	H39f: 0.0203937	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.37
Actual Amplitude:	0.37
Actual Power:	0.1369
Distortion 2H-34H:	0.0104257%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.1357	end: 9.7067	delta: 0.571
P2 start: 18.291	end: 19.4185	delta: 1.1274
P3 start: 27.4676	end: 29.1233	delta: 1.6557
P4 start: 36.6776	end: 38.8196	delta: 2.142
P5 start: 45.9305	end: 48.5033	delta: 2.5728
P6 start: 55.2337	end: 58.1694	delta: 2.9358
P7 start: 64.5921	end: 67.8116	delta: 3.2194
P8 start: 74.0081	end: 77.4225	delta: 3.4143
P9 start: 83.4806	end: 86.9943	delta: 3.5136

H3: 9.02487e-06	H21: 2.9868e-05	H21f: 1.42229e-06	c2sd = 0.0752
H5: 1.93625e-05	H23: 2.97946e-05	H23f: 1.29542e-06	c2ed = 0.2343
H7: 2.20348e-05	H25: 3.19399e-05	H25f: 1.27759e-06	c3sd = 0.0691
H9: 2.32231e-05	H27: 2.40663e-05	H27f: 8.91346e-07	c3ed = 0.3018
H11: 2.40166e-05	H29: 2.96633e-05	H29f: 1.02287e-06	c4sd = 0.0479
H13: 2.90626e-05	H31: 2.49044e-05	H31f: 8.03368e-07	c4ed = 0.3492
H15: 2.5379e-05	H33: 1.83232e-05	H33f: 5.55249e-07	c5sd = -0.0633
H17: 3.26488e-05	H35: 1.30685e-05	H35f: 3.73385e-07	c5ed = 0.2971
H19: 2.95144e-05	H37: -0.890226	H37f: -0.0240602	varx = 3.1358%.
	H39: 0.784331	H39f: 0.020111	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.38
Actual Amplitude:	0.38
Actual Power:	0.1444
Distortion 2H-34H:	0.00741737%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.127	end: 9.713	delta: 0.586
P2 start: 18.2716	end: 19.4288	delta: 1.1573
P3 start: 27.4388	end: 29.1385	delta: 1.6997
P4 start: 36.6408	end: 38.84	delta: 2.1992
P5 start: 45.8872	end: 48.5292	delta: 2.642
P6 start: 55.1858	end: 58.2009	delta: 3.0151
P7 start: 64.5417	end: 67.8486	delta: 3.3069
P8 start: 73.9571	end: 77.4647	delta: 3.5076
P9 start: 83.431	end: 87.0408	delta: 3.6098

H3: 1.11839e-05	H21: 2.16641e-05	H21f: 1.03162e-06	c2sd = 0.0764
H5: 1.59771e-05	H23: 1.94937e-05	H23f: 8.47554e-07	c2ed = 0.224
H7: 1.40655e-05	H25: 2.18167e-05	H25f: 8.72667e-07	c3sd = 0.0707
H9: 2.13693e-05	H27: 1.53409e-05	H27f: 5.68183e-07	c3ed = 0.2866
H11: 1.82465e-05	H29: 2.06462e-05	H29f: 7.11938e-07	c4sd = 0.0505
H13: 1.4917e-05	H31: 1.68146e-05	H31f: 5.42405e-07	c4ed = 0.3304
H15: 1.78277e-05	H33: 1.46698e-05	H33f: 4.44541e-07	c5sd = -0.0593
H17: 2.29905e-05	H35: 1.28045e-05	H35f: 3.65842e-07	c5ed = 0.2758
H19: 2.04023e-05	H37: -0.884225	H37f: -0.023898	varx = 3.1051%.
	H39: 0.773214	H39f: 0.019826	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.39
Actual Amplitude:	0.39
Actual Power:	0.1521
Distortion 2H-34H:	0.00717894%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.1168	end: 9.7178	delta: 0.601
P2 start: 18.2515	end: 19.4386	delta: 1.1871
P3 start: 27.4096	end: 29.1533	delta: 1.7437
P4 start: 36.6036	end: 38.86	delta: 2.2564
P5 start: 45.8436	end: 48.5547	delta: 2.7111
P6 start: 55.1376	end: 58.2321	delta: 3.0946
P7 start: 64.4909	end: 67.8855	delta: 3.3946
P8 start: 73.9058	end: 77.5067	delta: 3.6009
P9 start: 83.3812	end: 87.0873	delta: 3.7061

H3: 1.13512e-05	H21: 2.26654e-05	H21f: 1.0793e-06	c2sd = 0.0756
H5: 1.35436e-05	H23: 2.03645e-05	H23f: 8.85414e-07	c2ed = 0.2145
H7: 1.55118e-05	H25: 1.79181e-05	H25f: 7.16723e-07	c3sd = 0.0697
H9: 1.38593e-05	H27: 2.03241e-05	H27f: 7.52744e-07	c3ed = 0.2731
H11: 1.38514e-05	H29: 1.54063e-05	H29f: 5.31253e-07	c4sd = 0.0498
H13: 1.93245e-05	H31: 1.70488e-05	H31f: 5.49961e-07	c4ed = 0.3138
H15: 1.74225e-05	H33: 1.38102e-05	H33f: 4.1849e-07	c5sd = -0.059
H17: 2.18974e-05	H35: 1.4411e-05	H35f: 4.11742e-07	c5ed = 0.2573
H19: 2.17124e-05	H37: -0.878172	H37f: -0.0237344	varx = 3.0738%.
	H39: 0.761755	H39f: 0.0195322	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.4
Actual Amplitude:	0.4
Actual Power:	0.16
Distortion 2H-34H:	0.00745077%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.1063	end: 9.7223	delta: 0.6161
P2 start: 18.2311	end: 19.4479	delta: 1.2168
P3 start: 27.3801	end: 29.1676	delta: 1.7875
P4 start: 36.5661	end: 38.8796	delta: 2.3135
P5 start: 45.7996	end: 48.5798	delta: 2.7802
P6 start: 55.089	end: 58.2629	delta: 3.1739
P7 start: 64.4398	end: 67.922	delta: 3.4822
P8 start: 73.8543	end: 77.5487	delta: 3.6944
P9 start: 83.3313	end: 87.1339	delta: 3.8026

H3: 8.0318e-06	H21: 2.33636e-05	H21f: 1.11255e-06	c2sd = 0.0682
H5: 1.31671e-05	H23: 1.98554e-05	H23f: 8.63278e-07	c2ed = 0.2108
H7: 1.24678e-05	H25: 2.3382e-05	H25f: 9.35281e-07	c3sd = 0.0594
H9: 1.88463e-05	H27: 1.75603e-05	H27f: 6.50383e-07	c3ed = 0.2683
H11: 1.61786e-05	H29: 1.81877e-05	H29f: 6.27161e-07	c4sd = 0.0371
H13: 1.93522e-05	H31: 2.03437e-05	H31f: 6.56248e-07	c4ed = 0.3086
H15: 1.84921e-05	H33: 1.08087e-05	H33f: 3.27537e-07	c5sd = -0.0731
H17: 2.17517e-05	H35: 1.31834e-05	H35f: 3.76667e-07	c5ed = 0.2526
H19: 2.28272e-05	H37: -0.871994	H37f: -0.0235674	varx = 3.0418%.
	H39: 0.750039	H39f: 0.0192318	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.41
Actual Amplitude:	0.41
Actual Power:	0.1681
Distortion 2H-34H:	0.00713202%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.0962	end: 9.7273	delta: 0.6311
P2 start: 18.2107	end: 19.4572	delta: 1.2465
P3 start: 27.3504	end: 29.1817	delta: 1.8313
P4 start: 36.5284	end: 38.8989	delta: 2.3705
P5 start: 45.7554	end: 48.6046	delta: 2.8492
P6 start: 55.0402	end: 58.2935	delta: 3.2533
P7 start: 64.3884	end: 67.9583	delta: 3.5699
P8 start: 73.8026	end: 77.5905	delta: 3.7879
P9 start: 83.2813	end: 87.1805	delta: 3.8991

H3: 8.6997e-06	H21: 2.05108e-05	H21f: 9.76707e-07	c2sd = 0.0853
H5: 1.76215e-05	H23: 1.72867e-05	H23f: 7.51597e-07	c2ed = 0.1826
H7: 2.03874e-05	H25: 1.76659e-05	H25f: 7.06638e-07	c3sd = 0.0848
H9: 1.69264e-05	H27: 1.56101e-05	H27f: 5.78152e-07	c3ed = 0.2273
H11: 1.63561e-05	H29: 1.38634e-05	H29f: 4.78047e-07	c4sd = 0.0706
H13: 1.78266e-05	H31: 1.94654e-05	H31f: 6.27915e-07	c4ed = 0.2566
H15: 1.76339e-05	H33: 1.75901e-05	H33f: 5.33034e-07	c5sd = -0.0317
H17: 1.97404e-05	H35: 1.59292e-05	H35f: 4.55119e-07	c5ed = 0.1918
H19: 1.73994e-05	H37: -0.86566	H37f: -0.0233962	varx = 3.0093%.
	H39: 0.738109	H39f: 0.0189259	

STEP-LOCKED MAGIC SINEWAVE — AEXC36 - 42/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.42
Actual Amplitude:	0.42
Actual Power:	0.1764
Distortion 2H-34H:	0.00611156%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.086	end: 9.732	delta: 0.646
P2 start: 18.1904	end: 19.4665	delta: 1.2761
P3 start: 27.3207	end: 29.1957	delta: 1.8751
P4 start: 36.4905	end: 38.918	delta: 2.4274
P5 start: 45.711	end: 48.6291	delta: 2.9182
P6 start: 54.991	end: 58.3237	delta: 3.3327
P7 start: 64.3368	end: 67.9944	delta: 3.6577
P8 start: 73.7506	end: 77.6322	delta: 3.8816
P9 start: 83.2312	end: 87.227	delta: 3.9958

H3: 6.92656e-06	H21: 1.77939e-05	H21f: 8.47331e-07	c2sd = 0.0716
H5: 1.23233e-05	H23: 1.70008e-05	H23f: 7.39167e-07	c2ed = 0.1853
H7: 1.49201e-05	H25: 1.67032e-05	H25f: 6.6813e-07	c3sd = 0.0648
H9: 1.35921e-05	H27: 1.70788e-05	H27f: 6.32549e-07	c3ed = 0.2316
H11: 1.19422e-05	H29: 1.23245e-05	H29f: 4.24983e-07	c4sd = 0.0453
H13: 1.43164e-05	H31: 1.33596e-05	H31f: 4.30955e-07	c4ed = 0.2631
H15: 1.45398e-05	H33: 1.23528e-05	H33f: 3.74328e-07	c5sd = -0.0611
H17: 2.0514e-05	H35: 1.19051e-05	H35f: 3.40145e-07	c5ed = 0.2012
H19: 1.86304e-05	H37: -0.859154	H37f: -0.0232204	varx = 2.9761%.
	H39: 0.725989	H39f: 0.0186151	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.43
Actual Amplitude:	0.430001
Actual Power:	0.184901
Distortion 2H-34H:	0.00293075%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.0769	end: 9.7378	delta: 0.6608
P2 start: 18.1703	end: 19.4759	delta: 1.3056
P3 start: 27.2911	end: 29.2098	delta: 1.9187
P4 start: 36.4525	end: 38.9369	delta: 2.4843
P5 start: 45.6663	end: 48.6534	delta: 2.9871
P6 start: 54.9417	end: 58.3538	delta: 3.4121
P7 start: 64.2849	end: 68.0304	delta: 3.7455
P8 start: 73.6985	end: 77.6738	delta: 3.9753
P9 start: 83.1809	end: 87.2736	delta: 4.0927

H3: 2.17672e-06	H21: 8.80771e-06	H21f: 4.19415e-07	c2sd = 0.0755
H5: 6.70664e-06	H23: 8.74779e-06	H23f: 3.80338e-07	c2ed = 0.1707
H7: 4.26098e-06	H25: 7.28552e-06	H25f: 2.91421e-07	c3sd = 0.0705
H9: 7.56948e-06	H27: 7.93553e-06	H27f: 2.93909e-07	c3ed = 0.2103
H11: 7.33237e-06	H29: 5.76941e-06	H29f: 1.98945e-07	c4sd = 0.053
H13: 1.02093e-05	H31: 5.60215e-06	H31f: 1.80714e-07	c4ed = 0.2364
H15: 6.55368e-06	H33: 4.82407e-06	H33f: 1.46184e-07	c5sd = -0.0508
H17: 9.23979e-06	H35: 6.58561e-06	H35f: 1.8816e-07	c5ed = 0.1706
H19: 6.78095e-06	H37: -0.852437	H37f: -0.0230388	varx = 2.9423%.
	H39: 0.71373	H39f: 0.0183008	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.44
Actual Amplitude:	0.44
Actual Power:	0.1936
Distortion 2H-34H:	0.00542179%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.0652	end: 9.7409	delta: 0.6758
P2 start: 18.149	end: 19.4841	delta: 1.3351
P3 start: 27.2604	end: 29.2227	delta: 1.9623
P4 start: 36.4138	end: 38.955	delta: 2.5412
P5 start: 45.6211	end: 48.677	delta: 3.056
P6 start: 54.8918	end: 58.3832	delta: 3.4915
P7 start: 64.2325	end: 68.0658	delta: 3.8333
P8 start: 73.646	end: 77.7152	delta: 4.0692
P9 start: 83.1305	end: 87.3201	delta: 4.1896

H3: 6.49673e-06	H21: 1.62131e-05	H21f: 7.72051e-07	c2sd = 0.0871
H5: 9.34839e-06	H23: 1.43458e-05	H23f: 6.2373e-07	c2ed = 0.146
H7: 1.21721e-05	H25: 1.37294e-05	H25f: 5.49175e-07	c3sd = 0.0882
H9: 9.98464e-06	H27: 1.63792e-05	H27f: 6.06635e-07	c3ed = 0.175
H11: 1.14777e-05	H29: 1.25851e-05	H29f: 4.33967e-07	c4sd = 0.0768
H13: 1.43556e-05	H31: 9.92591e-06	H31f: 3.20191e-07	c4ed = 0.192
H15: 1.63511e-05	H33: 1.1415e-05	H33f: 3.45909e-07	c5sd = -0.021
H17: 1.34331e-05	H35: 1.25762e-05	H35f: 3.5932e-07	c5ed = 0.119
H19: 1.7484e-05	H37: -0.845781	H37f: -0.0228589	varx = 2.908%.
	H39: 0.701025	H39f: 0.017975	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 45/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.45
Actual Amplitude:	0.45
Actual Power:	0.2025
Distortion 2H-34H:	0.00326273%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.0555	end: 9.746	delta: 0.6905
P2 start: 18.1284	end: 19.4929	delta: 1.3645
P3 start: 27.2303	end: 29.236	delta: 2.0058
P4 start: 36.3753	end: 38.9732	delta: 2.5979
P5 start: 45.5758	end: 48.7006	delta: 3.1248
P6 start: 54.8417	end: 58.4125	delta: 3.5708
P7 start: 64.18	end: 68.1012	delta: 3.9212
P8 start: 73.5933	end: 77.7565	delta: 4.1631
P9 start: 83.0799	end: 87.3667	delta: 4.2868

H3: 3.59779e-06	H21: 1.01509e-05	H21f: 4.83377e-07	c2sd = 0.0618
H5: 5.02566e-06	H23: 8.36633e-06	H23f: 3.63754e-07	c2ed = 0.1595
H7: 5.58943e-06	H25: 9.84221e-06	H25f: 3.93688e-07	c3sd = 0.0511
H9: 8.33863e-06	H27: 6.94574e-06	H27f: 2.57249e-07	c3ed = 0.1952
H11: 7.86506e-06	H29: 8.14155e-06	H29f: 2.80743e-07	c4sd = 0.0293
H13: 8.22476e-06	H31: 7.91006e-06	H31f: 2.55163e-07	c4ed = 0.2191
H15: 9.3655e-06	H33: 5.47846e-06	H33f: 1.66014e-07	c5sd = -0.077
H17: 1.05354e-05	H35: 6.84223e-06	H35f: 1.95492e-07	c5ed = 0.1534
H19: 8.57434e-06	H37: -0.838826	H37f: -0.022671	varx = 2.8731%.
	H39: 0.688296	H39f: 0.0176486	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.46
Actual Amplitude:	0.46
Actual Power:	0.2116
Distortion 2H-34H:	0.00242085%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.0451	end: 9.7505	delta: 0.7054
P2 start: 18.1074	end: 19.5013	delta: 1.3939
P3 start: 27.1997	end: 29.2489	delta: 2.0492
P4 start: 36.3363	end: 38.9909	delta: 2.6546
P5 start: 45.53	end: 48.7236	delta: 3.1936
P6 start: 54.7913	end: 58.4415	delta: 3.6502
P7 start: 64.1271	end: 68.1363	delta: 4.0092
P8 start: 73.5404	end: 77.7976	delta: 4.2572
P9 start: 83.0292	end: 87.4132	delta: 4.384

H3: 3.46459e-06	H21: 5.52291e-06	H21f: 2.62996e-07	c2sd = 0.1056
H5: 6.03828e-06	H23: 5.65237e-06	H23f: 2.45755e-07	c2ed = 0.1032
H7: 5.96286e-06	H25: 6.53982e-06	H25f: 2.61593e-07	c3sd = 0.1156
H9: 6.01262e-06	H27: 6.40368e-06	H27f: 2.37173e-07	c3ed = 0.1129
H11: 6.32925e-06	H29: 4.89252e-06	H29f: 1.68708e-07	c4sd = 0.1134
H13: 6.53576e-06	H31: 4.82168e-06	H31f: 1.55538e-07	c4ed = 0.1138
H15: 7.85307e-06	H33: 5.0494e-06	H33f: 1.53012e-07	c5sd = 0.0251
H17: 4.91059e-06	H35: 4.64773e-06	H35f: 1.32792e-07	c5ed = 0.0285
H19: 7.537e-06	H37: -0.831781	H37f: -0.0224806	varx = 2.8376%.
	H39: 0.675308	H39f: 0.0173156	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.47
Actual Amplitude:	0.47
Actual Power:	0.2209
Distortion 2H-34H:	0.00170966%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.0346	end: 9.7547	delta: 0.7201
P2 start: 18.0864	end: 19.5095	delta: 1.4232
P3 start: 27.1689	end: 29.2614	delta: 2.0925
P4 start: 36.2971	end: 39.0082	delta: 2.7111
P5 start: 45.484	end: 48.7463	delta: 3.2623
P6 start: 54.7404	end: 58.47	delta: 3.7296
P7 start: 64.0738	end: 68.171	delta: 4.0972
P8 start: 73.4872	end: 77.8386	delta: 4.3514
P9 start: 82.9784	end: 87.4598	delta: 4.4815

H3: 2.15294e-06	H21: 5.48999e-06	H21f: 2.61428e-07	c2sd = 0.0885
H5: 2.80958e-06	H23: 4.62647e-06	H23f: 2.01151e-07	c2ed = 0.1074
H7: 2.92953e-06	H25: 3.24878e-06	H25f: 1.29951e-07	c3sd = 0.0907
H9: 5.32852e-06	H27: 3.34901e-06	H27f: 1.24037e-07	c3ed = 0.1195
H11: 2.65692e-06	H29: 4.78843e-06	H29f: 1.65118e-07	c4sd = 0.0818
H13: 4.1858e-06	H31: 3.42733e-06	H31f: 1.10559e-07	c4ed = 0.1235
H15: 3.68152e-06	H33: 3.49363e-06	H33f: 1.05867e-07	c5sd = -0.0117
H17: 4.93909e-06	H35: 3.85683e-06	H35f: 1.10195e-07	c5ed = 0.042
H19: 6.72226e-06	H37: -0.824603	H37f: -0.0222866	varx = 2.8016%.
	H39: 0.662113	H39f: 0.0169772	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 48/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.48
Actual Amplitude:	0.48
Actual Power:	0.2304
Distortion 2H-34H:	0.00400498%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.0226	end: 9.7575	delta: 0.7349
P2 start: 18.0645	end: 19.5169	delta: 1.4524
P3 start: 27.1375	end: 29.2732	delta: 2.1358
P4 start: 36.2573	end: 39.0249	delta: 2.7676
P5 start: 45.4374	end: 48.7684	delta: 3.331
P6 start: 54.6891	end: 58.498	delta: 3.8089
P7 start: 64.0201	end: 68.2054	delta: 4.1853
P8 start: 73.4336	end: 77.8793	delta: 4.4457
P9 start: 82.9273	end: 87.5064	delta: 4.5791

H3: 4.21617e-06	H21: 1.27087e-05	H21f: 6.05178e-07	c2sd = 0.0876
H5: 6.92505e-06	H23: 1.2236e-05	H23f: 5.32002e-07	c2ed = 0.0938
H7: 7.09219e-06	H25: 9.97334e-06	H25f: 3.98934e-07	c3sd = 0.0902
H9: 9.08233e-06	H27: 9.56836e-06	H27f: 3.54384e-07	c3ed = 0.1005
H11: 9.61573e-06	H29: 9.74807e-06	H29f: 3.3614e-07	c4sd = 0.0819
H13: 9.58367e-06	H31: 9.00696e-06	H31f: 2.90547e-07	c4ed = 0.1003
H15: 1.17315e-05	H33: 7.5891e-06	H33f: 2.29973e-07	c5sd = -0.0103
H17: 1.17185e-05	H35: 7.39034e-06	H35f: 2.11152e-07	c5ed = 0.0162
H19: 1.24738e-05	H37: -0.817394	H37f: -0.0220917	varx = 2.7652%.
	H39: 0.648597	H39f: 0.0166307	

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SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.49
Actual Amplitude:	0.49
Actual Power:	0.2401
Distortion 2H-34H:	0.00496862%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.0113	end: 9.7609	delta: 0.7496
P2 start: 18.0428	end: 19.5244	delta: 1.4816
P3 start: 27.106	end: 29.285	delta: 2.1789
P4 start: 36.2173	end: 39.0414	delta: 2.824
P5 start: 45.3906	end: 48.7902	delta: 3.3996
P6 start: 54.6375	end: 58.5257	delta: 3.8883
P7 start: 63.9661	end: 68.2395	delta: 4.2734
P8 start: 73.3797	end: 77.9199	delta: 4.5402
P9 start: 82.8761	end: 87.5529	delta: 4.6769

H3: 8.3635e-06	H21: 1.38507e-05	H21f: 6.59555e-07	c_{2sd} = 0.081
H5: 8.39447e-06	H23: 1.4424e-05	H23f: 6.27131e-07	c_{2ed} = 0.0862
H7: 1.12177e-05	H25: 1.11513e-05	H25f: 4.46053e-07	c_{3sd} = 0.0809
H9: 1.14955e-05	H27: 1.21494e-05	H27f: 4.49979e-07	c_{3ed} = 0.0901
H11: 1.09401e-05	H29: 1.06386e-05	H29f: 3.66849e-07	c_{4sd} = 0.0706
H13: 1.30575e-05	H31: 1.16709e-05	H31f: 3.76481e-07	c_{4ed} = 0.0881
H15: 1.42386e-05	H33: 7.95987e-06	H33f: 2.41208e-07	c_{5sd} = -0.0227
H17: 1.33925e-05	H35: 1.49923e-05	H35f: 4.28353e-07	c_{5ed} = 0.0035
H19: 1.37354e-05	H37: -0.810007	H37f: -0.0218921	varx = 2.7282%.
	H39: 0.634943	H39f: 0.0162806	

STEP-LOCKED MAGIC SINEWAVE AEXC36 - 50/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.5
Actual Amplitude:	0.5
Actual Power:	0.25
Distortion 2H-34H:	0.00113198%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 9.002	end: 9.7662	delta: 0.7642
P2 start: 18.0218	end: 19.5325	delta: 1.5107
P3 start: 27.075	end: 29.297	delta: 2.222
P4 start: 36.1775	end: 39.0578	delta: 2.8803
P5 start: 45.3437	end: 48.8118	delta: 3.4681
P6 start: 54.5857	end: 58.5533	delta: 3.9676
P7 start: 63.9119	end: 68.2735	delta: 4.3616
P8 start: 73.3257	end: 77.9605	delta: 4.6348
P9 start: 82.8247	end: 87.5995	delta: 4.7748

H3: 1.06247e-06	H21: 2.11049e-06	H21f: 1.005e-07	c2sd = 0.0616
H5: 1.48746e-06	H23: 3.12143e-06	H23f: 1.35714e-07	c2ed = 0.0927
H7: 3.05732e-06	H25: 3.05992e-06	H25f: 1.22397e-07	c3sd = 0.0522
H9: 2.95132e-06	H27: 3.63152e-06	H27f: 1.34501e-07	c3ed = 0.0998
H11: 3.13223e-06	H29: 2.14588e-06	H29f: 7.3996e-08	c4sd = 0.0338
H13: 1.72798e-06	H31: 2.55581e-06	H31f: 8.24456e-08	c4ed = 0.1016
H15: 4.2499e-06	H33: 2.59409e-06	H33f: 7.86089e-08	c5sd = -0.0659
H17: 1.81246e-06	H35: 1.05814e-06	H35f: 3.02325e-08	c5ed = 0.0215
H19: 4.1061e-06	H37: -0.802328	H37f: -0.0216846	varx = 2.6907%.
	H39: 0.621296	H39f: 0.0159307	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.51
Actual Amplitude:	0.51
Actual Power:	0.2601
Distortion 2H-34H:	0.00424572%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.9895	end: 9.7684	delta: 0.7789
P2 start: 17.9994	end: 19.5391	delta: 1.5397
P3 start: 27.0428	end: 29.3077	delta: 2.2649
P4 start: 36.1368	end: 39.0733	delta: 2.9365
P5 start: 45.2961	end: 48.8326	delta: 3.5366
P6 start: 54.5332	end: 58.5801	delta: 4.0469
P7 start: 63.857	end: 68.3069	delta: 4.4499
P8 start: 73.2712	end: 78.0007	delta: 4.7296
P9 start: 82.7731	end: 87.6461	delta: 4.873

H3: 5.85303e-06	H21: 1.06219e-05	H21f: 5.05805e-07	c2sd = 0.0781
H5: 8.89859e-06	H23: 1.11669e-05	H23f: 4.85518e-07	c2ed = 0.0603
H7: 1.12667e-05	H25: 9.37477e-06	H25f: 3.74991e-07	c3sd = 0.0772
H9: 9.04409e-06	H27: 1.15628e-05	H27f: 4.28251e-07	c3ed = 0.0533
H11: 9.25302e-06	H29: 6.93743e-06	H29f: 2.39222e-07	c4sd = 0.0671
H13: 9.30609e-06	H31: 1.16261e-05	H31f: 3.75034e-07	c4ed = 0.043
H15: 9.74182e-06	H33: 8.98246e-06	H33f: 2.72196e-07	c5sd = -0.0247
H17: 1.1887e-05	H35: 1.36731e-05	H35f: 3.90661e-07	c5ed = -0.0466
H19: 1.27268e-05	H37: -0.794748	H37f: -0.0214797	varx = 2.6529%.
	H39: 0.607185	H39f: 0.0155689	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.52	
Actual Amplitude:	0.52	
Actual Power:	0.2704	
Distortion 2H-34H:	0.00380225%	
First strong harmonics:	37 and 39	
Pulses per sine cycle:	36	
Total switching events:	72	
Delta Friendly:	No	

P1 start: 8.9785	end: 9.7719	delta: 0.7934
P2 start: 17.9774	end: 19.5461	delta: 1.5686
P3 start: 27.0109	end: 29.3187	delta: 2.3078
P4 start: 36.0961	end: 39.0887	delta: 2.9927
P5 start: 45.2483	end: 48.8532	delta: 3.6049
P6 start: 54.4804	end: 58.6066	delta: 4.1262
P7 start: 63.8018	end: 68.3401	delta: 4.5383
P8 start: 73.2164	end: 78.0408	delta: 4.8244
P9 start: 82.7214	end: 87.6927	delta: 4.9714

H_3: 4.86481e-06	H_{21}: 1.10987e-05	H_{21f}: 5.2851e-07	c_{2sd} = 0.0673
H_5: 8.05612e-06	H_{23}: 1.13646e-05	H_{23f}: 4.94114e-07	c_{2ed} = 0.0562
H_7: 9.90336e-06	H_{25}: 8.43558e-06	H_{25f}: 3.37423e-07	c_{3sd} = 0.0616
H_9: 1.05404e-05	H_{27}: 8.67017e-06	H_{27f}: 3.21117e-07	c_{3ed} = 0.0479
H_{11}: 7.85445e-06	H_{29}: 7.39786e-06	H_{29f}: 2.55099e-07	c_{4sd} = 0.0475
H_{13}: 1.10132e-05	H_{31}: 1.02632e-05	H_{31f}: 3.3107e-07	c_{4ed} = 0.0373
H_{15}: 8.96098e-06	H_{33}: 7.42989e-06	H_{33f}: 2.25148e-07	c_{5sd} = -0.0471
H_{17}: 1.00186e-05	H_{35}: 7.53072e-06	H_{35f}: 2.15163e-07	c_{5ed} = -0.0514
H_{19}: 1.06616e-05	H_{37}: -0.78692	H_{37f}: -0.0212681	varx = 2.6145%.
	H_{39}: 0.593044	H_{39f}: 0.0152063	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.53
Actual Amplitude:	0.530001
Actual Power:	0.280901
Distortion 2H-34H:	0.00272344%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.9677	end: 9.7756	delta: 0.8079
P2 start: 17.9555	end: 19.553	delta: 1.5975
P3 start: 26.9788	end: 29.3293	delta: 2.3505
P4 start: 36.0551	end: 39.1038	delta: 3.0487
P5 start: 45.2001	end: 48.8734	delta: 3.6732
P6 start: 54.4273	end: 58.6327	delta: 4.2054
P7 start: 63.7463	end: 68.373	delta: 4.6267
P8 start: 73.1613	end: 78.0808	delta: 4.9195
P9 start: 82.6694	end: 87.7393	delta: 5.0699

H3: 2.48197e-06	H21: 6.25947e-06	H21f: 2.9807e-07	c2sd = 0.0586
H5: 4.35299e-06	H23: 7.91283e-06	H23f: 3.44036e-07	c2ed = 0.0499
H7: 6.44357e-06	H25: 6.59821e-06	H25f: 2.63929e-07	c3sd = 0.0491
H9: 6.71404e-06	H27: 6.08824e-06	H27f: 2.25491e-07	c3ed = 0.0391
H11: 7.66719e-06	H29: 7.27802e-06	H29f: 2.50966e-07	c4sd = 0.0317
H13: 5.30906e-06	H31: 7.0579e-06	H31f: 2.27674e-07	c4ed = 0.0272
H15: 7.99002e-06	H33: 6.74297e-06	H33f: 2.04332e-07	c5sd = -0.0649
H17: 7.13425e-06	H35: 4.60664e-06	H35f: 1.31618e-07	c5ed = -0.0616
H19: 8.74215e-06	H37: -0.778942	H37f: -0.0210525	varx = 2.5757%.
	H39: 0.578757	H39f: 0.0148399	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.54
Actual Amplitude:	0.54
Actual Power:	0.2916
Distortion 2H-34H:	0.00449678%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.9556	end: 9.7781	delta: 0.8225
P2 start: 17.9329	end: 19.5591	delta: 1.6263
P3 start: 26.9461	end: 29.3393	delta: 2.3932
P4 start: 36.0136	end: 39.1181	delta: 3.1045
P5 start: 45.1514	end: 48.8929	delta: 3.7415
P6 start: 54.3736	end: 58.6583	delta: 4.2847
P7 start: 63.6902	end: 68.4053	delta: 4.7151
P8 start: 73.1057	end: 78.1204	delta: 5.0147
P9 start: 82.6172	end: 87.786	delta: 5.1688

H3: 6.41794e-06	H21: 1.06609e-05	H21f: 5.07661e-07	c2sd = 0.0539
H5: 9.61286e-06	H23: 1.27585e-05	H23f: 5.54717e-07	c2ed = 0.0381
H7: 1.10825e-05	H25: 9.09005e-06	H25f: 3.63602e-07	c3sd = 0.0427
H9: 1.15398e-05	H27: 1.14409e-05	H27f: 4.23737e-07	c3ed = 0.0228
H11: 1.07832e-05	H29: 1.0584e-05	H29f: 3.64967e-07	c4sd = 0.0242
H13: 7.5891e-06	H31: 1.2313e-05	H31f: 3.97194e-07	c4ed = 0.0075
H15: 1.03999e-05	H33: 8.04053e-06	H33f: 2.43652e-07	c5sd = -0.0728
H17: 1.2293e-05	H35: 1.34034e-05	H35f: 3.82954e-07	c5ed = -0.083
H19: 1.41944e-05	H37: -0.770929	H37f: -0.0208359	varx = 2.5366%.
	H39: 0.564187	H39f: 0.0144663	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.55
Actual Amplitude:	0.55
Actual Power:	0.3025
Distortion 2H-34H:	0.0037943%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.9482	end: 9.7848	delta: 0.8366
P2 start: 17.9121	end: 19.5669	delta: 1.6549
P3 start: 26.9145	end: 29.3502	delta: 2.4357
P4 start: 35.9726	end: 39.1329	delta: 3.1603
P5 start: 45.1029	end: 48.9125	delta: 3.8096
P6 start: 54.3199	end: 58.6837	delta: 4.3639
P7 start: 63.634	end: 68.4376	delta: 4.8036
P8 start: 73.05	end: 78.1601	delta: 5.1101
P9 start: 82.5648	end: 87.8326	delta: 5.2678

H3: -3.4036e-06	H21: -1.37195e-05	H21f: -6.5331e-07	c2sd = 0.0694
H5: -4.30509e-06	H23: -9.73684e-06	H23f: -4.23341e-07	c2ed = 0.0096
H7: -7.07659e-06	H25: -1.10939e-05	H25f: -4.43755e-07	c3sd = 0.0645
H9: -8.60098e-06	H27: -8.57543e-06	H27f: -3.17608e-07	c3ed = -0.0198
H11: -7.5891e-06	H29: -8.61208e-06	H29f: -2.96968e-07	c4sd = 0.0523
H13: -1.28325e-05	H31: -5.79531e-06	H31f: -1.86946e-07	c4ed = -0.0469
H15: -1.28693e-05	H33: -3.70465e-06	H33f: -1.12262e-07	c5sd = -0.0382
H17: -1.29055e-05	H35: -3.15391e-07	H35f: -9.01118e-09	c5ed = -0.1465
H19: -1.13945e-05	H37: -0.762476	H37f: -0.0206075	varx = 2.4969%.
	H39: 0.549854	H39f: 0.0140988	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.56
Actual Amplitude:	0.56
Actual Power:	0.3136
Distortion 2H-34H:	0.00305244%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.9363	end: 9.7873	delta: 0.851
P2 start: 17.8893	end: 19.5728	delta: 1.6835
P3 start: 26.8814	end: 29.3596	delta: 2.4781
P4 start: 35.9305	end: 39.1464	delta: 3.216
P5 start: 45.0534	end: 48.931	delta: 3.8776
P6 start: 54.2653	end: 58.7084	delta: 4.4431
P7 start: 63.577	end: 68.4693	delta: 4.8922
P8 start: 72.9937	end: 78.1993	delta: 5.2057
P9 start: 82.5122	end: 87.8793	delta: 5.3671

H_3: -1.21968e-06	H_{21}: -1.12481e-05	$H_{21}f$: -5.35625e-07	$c2sd = 0.0642$
H_5: -3.11695e-06	H_{23}: -9.55708e-06	$H_{23}f$: -4.15525e-07	$c2ed = -0.0021$
H_7: -5.07231e-06	H_{25}: -8.87925e-06	$H_{25}f$: -3.5517e-07	$c3sd = 0.0571$
H_9: -7.12231e-06	H_{27}: -6.40456e-06	$H_{27}f$: -2.37206e-07	$c3ed = -0.0361$
H_{11}: -8.29134e-06	H_{29}: -6.56102e-06	$H_{29}f$: -2.26242e-07	$c4sd = 0.0435$
H_{13}: -1.04559e-05	H_{31}: -4.0481e-06	$H_{31}f$: -1.30584e-07	$c4ed = -0.0666$
H_{15}: -9.26954e-06	H_{33}: -3.44959e-06	$H_{33}f$: -1.04533e-07	$c5sd = -0.0477$
H_{17}: -1.06662e-05	H_{35}: -5.6531e-07	$H_{35}f$: -1.61517e-08	$c5ed = -0.1679$
H_{19}: -7.5463e-06	H_{37}: -0.754177	$H_{37}f$: -0.0203832	$varx = 2.457\%.$
	H_{39}: 0.535012	$H_{39}f$: 0.0137182	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.57
Actual Amplitude:	0.57
Actual Power:	0.3249
Distortion 2H-34H:	0.00319733%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.9248	end: 9.7901	delta: 0.8654
P2 start: 17.8666	end: 19.5786	delta: 1.7119
P3 start: 26.8483	end: 29.3687	delta: 2.5204
P4 start: 35.8881	end: 39.1596	delta: 3.2715
P5 start: 45.0036	end: 48.9491	delta: 3.9455
P6 start: 54.2103	end: 58.7325	delta: 4.5223
P7 start: 63.5196	end: 68.5005	delta: 4.9809
P8 start: 72.937	end: 78.2384	delta: 5.3014
P9 start: 82.4592	end: 87.9259	delta: 5.4667

H3: -8.87614e-07	H21: -1.0962e-05	H21f: -5.22002e-07	c2sd = 0.048
H5: -1.46456e-06	H23: -1.01246e-05	H23f: -4.402e-07	c2ed = -0.0028
H7: -5.64903e-06	H25: -1.10135e-05	H25f: -4.40541e-07	c3sd = 0.0336
H9: -5.62156e-06	H27: -9.42843e-06	H27f: -3.49201e-07	c3ed = -0.0366
H11: -7.17757e-06	H29: -7.99771e-06	H29f: -2.75783e-07	c4sd = 0.0136
H13: -9.33019e-06	H31: -4.17465e-06	H31f: -1.34666e-07	c4ed = -0.0659
H15: -9.29332e-06	H33: -7.27037e-06	H33f: -2.20314e-07	c5sd = -0.0826
H17: -9.90734e-06	H35: 1.07275e-06	H35f: 3.06499e-08	c5ed = -0.1647
H19: -8.03057e-06	H37: -0.745725	H37f: -0.0201547	varx = 2.4167%.
	H39: 0.520053	H39f: 0.0133347	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.58
Actual Amplitude:	0.58
Actual Power:	0.3364
Distortion 2H-34H:	0.00288889%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.913	end: 9.7927	delta: 0.8796
P2 start: 17.8436	end: 19.584	delta: 1.7403
P3 start: 26.8149	end: 29.3774	delta: 2.5626
P4 start: 35.8454	end: 39.1723	delta: 3.3269
P5 start: 44.9533	end: 48.9667	delta: 4.0134
P6 start: 54.1547	end: 58.7561	delta: 4.6014
P7 start: 63.4617	end: 68.5313	delta: 5.0697
P8 start: 72.8798	end: 78.2772	delta: 5.3974
P9 start: 82.4061	end: 87.9726	delta: 5.5665

H3: -2.70416e-06	H21: -9.09695e-06	H21f: -4.33188e-07	c2sd = 0.0393
H5: -3.29733e-06	H23: -9.22184e-06	H23f: -4.00949e-07	c2ed = -0.0117
H7: -5.04694e-06	H25: -9.19066e-06	H25f: -3.67626e-07	c3sd = 0.0212
H9: -5.91717e-06	H27: -5.29202e-06	H27f: -1.96001e-07	c3ed = -0.0489
H11: -7.37499e-06	H29: -5.86554e-06	H29f: -2.0226e-07	c4sd = -0.002
H13: -9.31024e-06	H31: -3.23318e-06	H31f: -1.04296e-07	c4ed = -0.0804
H15: -9.0633e-06	H33: -4.61531e-06	H33f: -1.39858e-07	c5sd = -0.1001
H17: -9.23623e-06	H35: -1.04677e-06	H35f: -2.99078e-08	c5ed = -0.1798
H19: -9.99254e-06	H37: -0.737155	H37f: -0.0199231	varx = 2.376%.
	H39: 0.504941	H39f: 0.0129472	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.59
Actual Amplitude:	0.59
Actual Power:	0.3481
Distortion 2H-34H:	0.0028486%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.9012	end: 9.7951	delta: 0.8939
P2 start: 17.8205	end: 19.5892	delta: 1.7686
P3 start: 26.7811	end: 29.3857	delta: 2.6046
P4 start: 35.8023	end: 39.1844	delta: 3.3821
P5 start: 44.9026	end: 48.9837	delta: 4.0811
P6 start: 54.0987	end: 58.7791	delta: 4.6805
P7 start: 63.4032	end: 68.5617	delta: 5.1585
P8 start: 72.8222	end: 78.3157	delta: 5.4935
P9 start: 82.3526	end: 88.0193	delta: 5.6667

H3: -2.65833e-06	H21: -8.59975e-06	H21f: -4.09512e-07	c2sd = 0.0357
H5: -2.88129e-06	H23: -9.3172e-06	H23f: -4.05096e-07	c2ed = -0.026
H7: -5.9353e-06	H25: -7.35242e-06	H25f: -2.94097e-07	c3sd = 0.016
H9: -5.48816e-06	H27: -8.51809e-06	H27f: -3.15485e-07	c3ed = -0.0691
H11: -7.5891e-06	H29: -6.34273e-06	H29f: -2.18715e-07	c4sd = -0.0081
H13: -9.00402e-06	H31: -2.21574e-06	H31f: -7.14753e-08	c4ed = -0.1051
H15: -8.37802e-06	H33: -4.45913e-06	H33f: -1.35125e-07	c5sd = -0.1065
H17: -8.37601e-06	H35: 7.35022e-08	H35f: 2.10006e-09	c5ed = -0.2072
H19: -9.96535e-06	H37: -0.728459	H37f: -0.0196881	varx = 2.3351%.
	H39: 0.489693	H39f: 0.0125562	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.6
Actual Amplitude:	0.6
Actual Power:	0.36
Distortion 2H-34H:	0.00411387%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.8901	end: 9.7981	delta: 0.908
P2 start: 17.7975	end: 19.5943	delta: 1.7969
P3 start: 26.7473	end: 29.3938	delta: 2.6465
P4 start: 35.7589	end: 39.1962	delta: 3.4373
P5 start: 44.8515	end: 49.0002	delta: 4.1487
P6 start: 54.0421	end: 58.8017	delta: 4.7596
P7 start: 63.3441	end: 68.5916	delta: 5.2474
P8 start: 72.7641	end: 78.354	delta: 5.5899
P9 start: 82.2989	end: 88.066	delta: 5.7671

H3: 1.01188e-06	H21: -1.39194e-05	H21f: -6.62827e-07	c2sd = 0.0298
H5: -4.45227e-06	H23: -1.25385e-05	H23f: -5.45153e-07	c2ed = -0.0379
H7: -4.42697e-06	H25: -1.2861e-05	H25f: -5.1444e-07	c3sd = 0.0073
H9: -9.69718e-06	H27: -1.04374e-05	H27f: -3.86569e-07	c3ed = -0.0862
H11: -1.16251e-05	H29: -9.39478e-06	H29f: -3.23958e-07	c4sd = -0.0189
H13: -1.25901e-05	H31: -6.1284e-06	H31f: -1.9769e-07	c4ed = -0.126
H15: -1.22606e-05	H33: -5.07473e-06	H33f: -1.5378e-07	c5sd = -0.1184
H17: -1.45681e-05	H35: 2.02376e-07	H35f: 5.78217e-09	c5ed = -0.2299
H19: -1.11706e-05	H37: -0.719606	H37f: -0.0194488	varx = 2.2939%.
	H39: 0.474359	H39f: 0.0121631	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.61
Actual Amplitude:	0.61
Actual Power:	0.3721
Distortion 2H-34H:	0.00409191%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.8781	end: 9.8003	delta: 0.9221
P2 start: 17.7741	end: 19.599	delta: 1.8249
P3 start: 26.7131	end: 29.4014	delta: 2.6883
P4 start: 35.7151	end: 39.2074	delta: 3.4922
P5 start: 44.7998	end: 49.016	delta: 4.2162
P6 start: 53.985	end: 58.8235	delta: 4.8385
P7 start: 63.2845	end: 68.621	delta: 5.3364
P8 start: 72.7056	end: 78.392	delta: 5.6864
P9 start: 82.2448	end: 88.1127	delta: 5.8679

H3: -2.86146e-06	H21: -1.41414e-05	H21f: -6.73402e-07	$c2sd = 0.0318$
H5: -4.52858e-06	H23: -1.09536e-05	H23f: -4.76244e-07	$c2ed = -0.0587$
H7: -6.89595e-06	H25: -1.50836e-05	H25f: -6.03346e-07	$c3sd = 0.0106$
H9: -1.07961e-05	H27: -8.86547e-06	H27f: -3.28351e-07	$c3ed = -0.1161$
H11: -9.74933e-06	H29: -9.65261e-06	H29f: -3.32849e-07	$c4sd = -0.0143$
H13: -1.24603e-05	H31: -5.70687e-06	H31f: -1.84093e-07	$c4ed = -0.1632$
H15: -1.18689e-05	H33: -3.30256e-06	H33f: -1.00078e-07	$c5sd = -0.1119$
H17: -1.49147e-05	H35: -2.2323e-06	H35f: -6.37799e-08	$c5ed = -0.2723$
H19: -1.00118e-05	H37: -0.710658	H37f: -0.019207	$varx = 2.2524\%.$
	H39: 0.458858	H39f: 0.0117656	

STEP-LOCKED MAGIC SINEWAVE AEXC36 - 62/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.62
Actual Amplitude:	0.62
Actual Power:	0.3844
Distortion 2H-34H:	0.00271578%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.8655	end: 9.8017	delta: 0.9363
P2 start: 17.7502	end: 19.6031	delta: 1.8529
P3 start: 26.6784	end: 29.4083	delta: 2.7299
P4 start: 35.6708	end: 39.2178	delta: 3.547
P5 start: 44.7476	end: 49.0311	delta: 4.2835
P6 start: 53.9272	end: 58.8446	delta: 4.9175
P7 start: 63.2242	end: 68.6497	delta: 5.4255
P8 start: 72.6464	end: 78.4297	delta: 5.7833
P9 start: 82.1905	end: 88.1594	delta: 5.969

H3: -1.59126e-06	H21: -8.49256e-06	H21f: -4.04408e-07	c2sd = 0.0271
H5: -3.32941e-06	H23: -8.62156e-06	H23f: -3.7485e-07	c2ed = -0.0738
H7: -3.28744e-06	H25: -8.13258e-06	H25f: -3.25303e-07	c3sd = 0.0041
H9: -7.12668e-06	H27: -8.16939e-06	H27f: -3.0257e-07	c3ed = -0.1373
H11: -6.42069e-06	H29: -5.00594e-06	H29f: -1.72618e-07	c4sd = -0.0222
H13: -9.16153e-06	H31: -4.56452e-06	H31f: -1.47242e-07	c4ed = -0.1892
H15: -8.13584e-06	H33: -2.01782e-06	H33f: -6.11462e-08	c5sd = -0.1204
H17: -8.09312e-06	H35: 1.04918e-06	H35f: 2.99767e-08	c5ed = -0.3009
H19: -8.66497e-06	H37: -0.701629	H37f: -0.0189629	varx = 2.2107%.
	H39: 0.443178	H39f: 0.0113635	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.63
Actual Amplitude:	0.63
Actual Power:	0.3969
Distortion 2H-34H:	0.0022876%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.8532	end: 9.8035	delta: 0.9503
P2 start: 17.7263	end: 19.6071	delta: 1.8808
P3 start: 26.6436	end: 29.415	delta: 2.7714
P4 start: 35.6262	end: 39.2279	delta: 3.6017
P5 start: 44.6949	end: 49.0456	delta: 4.3507
P6 start: 53.8688	end: 58.8652	delta: 4.9964
P7 start: 63.1634	end: 68.678	delta: 5.5146
P8 start: 72.5867	end: 78.467	delta: 5.8804
P9 start: 82.1357	end: 88.2062	delta: 6.0705

H3: -7.22771e-07	H21: -7.48585e-06	H21f: -3.56469e-07	c_{2sd} = 0.0177
H5: -2.72244e-06	H23: -6.98155e-06	H23f: -3.03546e-07	c_{2ed} = -0.0843
H7: -2.58133e-06	H25: -7.03497e-06	H25f: -2.81399e-07	c_{3sd} = -0.0095
H9: -5.30032e-06	H27: -5.26463e-06	H27f: -1.94986e-07	c_{3ed} = -0.1519
H11: -4.66516e-06	H29: -3.9877e-06	H29f: -1.37507e-07	c_{4sd} = -0.0393
H13: -8.68252e-06	H31: -2.12946e-06	H31f: -6.86921e-08	c_{4ed} = -0.2066
H15: -6.85027e-06	H33: -2.61366e-06	H33f: -7.92018e-08	c_{5sd} = -0.14
H17: -8.00717e-06	H35: -1.2528e-06	H35f: -3.57944e-08	c_{5ed} = -0.3195
H19: -7.84904e-06	H37: -0.692448	H37f: -0.0187148	varx = 2.1688%.
	H39: 0.427423	H39f: 0.0109596	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.64
Actual Amplitude:	0.64
Actual Power:	0.4096
Distortion 2H-34H:	0.00222584%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.841	end: 9.8052	delta: 0.9642
P2 start: 17.7023	end: 19.6109	delta: 1.9086
P3 start: 26.6085	end: 29.4212	delta: 2.8127
P4 start: 35.5812	end: 39.2373	delta: 3.6561
P5 start: 44.6417	end: 49.0595	delta: 4.4178
P6 start: 53.8099	end: 58.885	delta: 5.0752
P7 start: 63.1018	end: 68.7056	delta: 5.6038
P8 start: 72.5264	end: 78.5041	delta: 5.9777
P9 start: 82.0806	end: 88.253	delta: 6.1724

H3: -1.3439e-06	H21: -8.4248e-06	H21f: -4.01181e-07	c2sd = 0.0161
H5: -1.96842e-06	H23: -6.41877e-06	H23f: -2.79077e-07	c2ed = -0.1029
H7: -2.98143e-06	H25: -6.05705e-06	H25f: -2.42282e-07	c3sd = -0.0116
H9: -6.16614e-06	H27: -4.46211e-06	H27f: -1.65263e-07	c3ed = -0.1786
H11: -4.38745e-06	H29: -4.93946e-06	H29f: -1.70326e-07	c4sd = -0.0417
H13: -7.67119e-06	H31: -2.87651e-06	H31f: -9.27908e-08	c4ed = -0.2398
H15: -6.56141e-06	H33: -1.00613e-06	H33f: -3.04888e-08	c5sd = -0.142
H17: -7.89601e-06	H35: -8.9443e-07	H35f: -2.55551e-08	c5ed = -0.3569
H19: -7.48924e-06	H37: -0.683136	H37f: -0.0184631	varx = 2.1266%.
	H39: 0.411568	H39f: 0.010553	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 65/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.65
Actual Amplitude:	0.65
Actual Power:	0.4225
Distortion 2H-34H:	0.00268305%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.829	end: 9.8071	delta: 0.9781
P2 start: 17.6782	end: 19.6145	delta: 1.9362
P3 start: 26.5732	end: 29.427	delta: 2.8538
P4 start: 35.5358	end: 39.2462	delta: 3.7104
P5 start: 44.588	end: 49.0726	delta: 4.4847
P6 start: 53.7502	end: 58.9041	delta: 5.1539
P7 start: 63.0395	end: 68.7327	delta: 5.6931
P8 start: 72.4654	end: 78.5407	delta: 6.0753
P9 start: 82.0251	end: 88.2998	delta: 6.2747

H3: -2.06268e-06	H21: -8.91789e-06	H21f: -4.24661e-07	c2sd = 0.0094
H5: -3.36255e-06	H23: -7.12715e-06	H23f: -3.09876e-07	c2ed = -0.1167
H7: -4.87037e-06	H25: -9.00418e-06	H25f: -3.60167e-07	c3sd = -0.0214
H9: -6.08425e-06	H27: -5.94155e-06	H27f: -2.20057e-07	c3ed = -0.1984
H11: -6.16681e-06	H29: -6.11959e-06	H29f: -2.1102e-07	c4sd = -0.054
H13: -8.19982e-06	H31: -4.5045e-06	H31f: -1.45306e-07	c4ed = -0.264
H15: -8.14953e-06	H33: -3.67956e-06	H33f: -1.11502e-07	c5sd = -0.1559
H17: -9.94481e-06	H35: -4.00304e-08	H35f: -1.14373e-09	c5ed = -0.3835
H19: -7.41704e-06	H37: -0.673687	H37f: -0.0182078	varx = 2.0843%.
	H39: 0.395628	H39f: 0.0101443	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 66/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.66
Actual Amplitude:	0.66
Actual Power:	0.4356
Distortion 2H-34H:	0.00244072%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.8165	end: 9.8084	delta: 0.9919
P2 start: 17.6538	end: 19.6176	delta: 1.9638
P3 start: 26.5375	end: 29.4323	delta: 2.8948
P4 start: 35.4899	end: 39.2544	delta: 3.7645
P5 start: 44.5336	end: 49.085	delta: 4.5514
P6 start: 53.6899	end: 58.9224	delta: 5.2325
P7 start: 62.9765	end: 68.759	delta: 5.7825
P8 start: 72.4038	end: 78.577	delta: 6.1732
P9 start: 81.9692	end: 88.3466	delta: 6.3774

H3: -2.29973e-06	H21: -7.27699e-06	H21f: -3.46523e-07	c2sd = -0.0209
H5: -2.96665e-06	H23: -6.56922e-06	H23f: -2.85618e-07	c2ed = -0.1077
H7: -3.67956e-06	H25: -7.19355e-06	H25f: -2.87742e-07	c3sd = -0.0658
H9: -8.25347e-06	H27: -5.67266e-06	H27f: -2.10099e-07	c3ed = -0.1844
H11: -6.79465e-06	H29: -5.44004e-06	H29f: -1.87588e-07	c4sd = -0.1112
H13: -7.17338e-06	H31: -4.44367e-06	H31f: -1.43344e-07	c4ed = -0.2445
H15: -7.71175e-06	H33: -4.43917e-06	H33f: -1.3452e-07	c5sd = -0.2238
H17: -5.76285e-06	H35: -1.87921e-06	H35f: -5.36916e-08	c5ed = -0.3575
H19: -7.55279e-06	H37: -0.664134	H37f: -0.0179496	varx = 2.0418%.
	H39: 0.379565	H39f: 0.00973245	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.67
Actual Amplitude:	0.670001
Actual Power:	0.448902
Distortion 2H-34H:	0.00201222%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.8039	end: 9.8096	delta: 1.0057
P2 start: 17.6291	end: 19.6203	delta: 1.9912
P3 start: 26.5014	end: 29.437	delta: 2.9356
P4 start: 35.4435	end: 39.262	delta: 3.8184
P5 start: 44.4787	end: 49.0966	delta: 4.618
P6 start: 53.6288	end: 58.9399	delta: 5.3111
P7 start: 62.9127	end: 68.7846	delta: 5.8719
P8 start: 72.3415	end: 78.6128	delta: 6.2714
P9 start: 81.9128	end: 88.3935	delta: 6.4807

H3: -1.88783e-06	H21: -6.8771e-06	H21f: -3.27481e-07	c2sd = -0.0315
H5: -1.17801e-06	H23: -5.89989e-06	H23f: -2.56517e-07	c2ed = -0.1191
H7: -4.33662e-06	H25: -5.07449e-06	H25f: -2.0298e-07	c3sd = -0.0811
H9: -3.64981e-06	H27: -5.16847e-06	H27f: -1.91425e-07	c3ed = -0.2004
H11: -5.24131e-06	H29: -2.95283e-06	H29f: -1.01822e-07	c4sd = -0.1307
H13: -5.63736e-06	H31: -3.14964e-06	H31f: -1.01601e-07	c4ed = -0.2638
H15: -7.08315e-06	H33: -2.03199e-06	H33f: -6.15756e-08	c5sd = -0.2465
H17: -6.84284e-06	H35: -1.51458e-06	H35f: -4.32737e-08	c5ed = -0.3782
H19: -7.20755e-06	H37: -0.654467	H37f: -0.0176883	varx = 1.9992%.
	H39: 0.363394	H39f: 0.00931779	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.68
Actual Amplitude:	0.68
Actual Power:	0.4624
Distortion 2H-34H:	0.00216228%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.7914	end: 9.8108	delta: 1.0194
P2 start: 17.6043	end: 19.6228	delta: 2.0184
P3 start: 26.4651	end: 29.4413	delta: 2.9763
P4 start: 35.3968	end: 39.2688	delta: 3.8721
P5 start: 44.4232	end: 49.1074	delta: 4.6843
P6 start: 53.5671	end: 58.9566	delta: 5.3895
P7 start: 62.8481	end: 68.8095	delta: 5.9614
P8 start: 72.2784	end: 78.6482	delta: 6.3699
P9 start: 81.8559	end: 88.4404	delta: 6.5845

H3: -3.60854e-06	H21: -8.07803e-06	H21f: -3.84668e-07	c2sd = -0.0413
H5: -4.91059e-07	H23: -5.72579e-06	H23f: -2.48947e-07	c2ed = -0.1315
H7: -4.14531e-06	H25: -6.55341e-06	H25f: -2.62136e-07	c3sd = -0.0955
H9: -3.26133e-06	H27: -4.2823e-06	H27f: -1.58604e-07	c3ed = -0.2181
H11: -6.06722e-06	H29: -3.97158e-06	H29f: -1.36951e-07	c4sd = -0.1491
H13: -6.57607e-06	H31: -2.98092e-06	H31f: -9.61586e-08	c4ed = -0.2853
H15: -6.76323e-06	H33: -1.08222e-06	H33f: -3.27947e-08	c5sd = -0.2679
H17: -7.5694e-06	H35: -1.51782e-06	H35f: -4.33663e-08	c5ed = -0.4015
H19: -7.47749e-06	H37: -0.644663	H37f: -0.0174233	varx = 1.9566%.
	H39: 0.347159	H39f: 0.00890151	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.69
Actual Amplitude:	0.69
Actual Power:	0.4761
Distortion 2H-34H:	0.00276901%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.779	end: 9.812	delta: 1.033
P2 start: 17.5795	end: 19.6251	delta: 2.0456
P3 start: 26.4284	end: 29.4452	delta: 3.0167
P4 start: 35.3495	end: 39.2751	delta: 3.9256
P5 start: 44.367	end: 49.1174	delta: 4.7504
P6 start: 53.5045	end: 58.9723	delta: 5.4678
P7 start: 62.7826	end: 68.8336	delta: 6.051
P8 start: 72.2145	end: 78.6831	delta: 6.4687
P9 start: 81.7985	end: 88.4872	delta: 6.6887

H3: -2.2364e-06	H21: -1.01293e-05	H21f: -4.82346e-07	c2sd = -0.0444
H5: -4.04752e-06	H23: -6.32186e-06	H23f: -2.74863e-07	c2ed = -0.1511
H7: -2.68682e-06	H25: -9.37969e-06	H25f: -3.75187e-07	c3sd = -0.1001
H9: -7.6502e-06	H27: -6.65625e-06	H27f: -2.46528e-07	c3ed = -0.2463
H11: -7.72908e-06	H29: -7.34258e-06	H29f: -2.53192e-07	c4sd = -0.1548
H13: -6.69228e-06	H31: -3.26413e-06	H31f: -1.05294e-07	c4ed = -0.3206
H15: -8.79896e-06	H33: -3.93287e-06	H33f: -1.19178e-07	c5sd = -0.2742
H17: -8.6825e-06	H35: -1.47697e-06	H35f: -4.21991e-08	c5ed = -0.4414
H19: -8.07536e-06	H37: -0.634724	H37f: -0.0171547	varx = 1.9138%.
	H39: 0.330858	H39f: 0.00848354	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.7
Actual Amplitude:	0.7
Actual Power:	0.49
Distortion 2H-34H:	0.00197989%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.7658	end: 9.8124	delta: 1.0466
P2 start: 17.5541	end: 19.6267	delta: 2.0726
P3 start: 26.3913	end: 29.4483	delta: 3.057
P4 start: 35.3017	end: 39.2805	delta: 3.9788
P5 start: 44.3101	end: 49.1264	delta: 4.8163
P6 start: 53.441	end: 58.987	delta: 5.546
P7 start: 62.7161	end: 68.8568	delta: 6.1406
P8 start: 72.1496	end: 78.7176	delta: 6.5679
P9 start: 81.7406	end: 88.5342	delta: 6.7936

H3: -9.03464e-07	H21: -5.95254e-06	H21f: -2.83454e-07	c2sd = -0.0612
H5: -2.75376e-06	H23: -6.4578e-06	H23f: -2.80774e-07	c2ed = -0.158
H7: -2.24575e-06	H25: -5.89781e-06	H25f: -2.35913e-07	c3sd = -0.1247
H9: -4.87871e-06	H27: -4.68195e-06	H27f: -1.73406e-07	c3ed = -0.2557
H11: -4.73087e-06	H29: -4.04503e-06	H29f: -1.39484e-07	c4sd = -0.1865
H13: -6.40487e-06	H31: -3.37837e-06	H31f: -1.0898e-07	c4ed = -0.3314
H15: -6.01346e-06	H33: -1.96462e-06	H33f: -5.95341e-08	c5sd = -0.3116
H17: -6.67713e-06	H35: -3.09759e-07	H35f: -8.85026e-09	c5ed = -0.4518
H19: -6.71036e-06	H37: -0.624697	H37f: -0.0168837	varx = 1.871%.
	H39: 0.314426	H39f: 0.0080622	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.71
Actual Amplitude:	0.71
Actual Power:	0.5041
Distortion 2H-34H:	0.00260324%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.7533	end: 9.8133	delta: 1.06
P2 start: 17.5287	end: 19.6281	delta: 2.0994
P3 start: 26.3539	end: 29.4509	delta: 3.097
P4 start: 35.2534	end: 39.2852	delta: 4.0318
P5 start: 44.2526	end: 49.1346	delta: 4.882
P6 start: 53.3767	end: 59.0008	delta: 5.624
P7 start: 62.6487	end: 68.879	delta: 6.2303
P8 start: 72.0839	end: 78.7514	delta: 6.6675
P9 start: 81.682	end: 88.5812	delta: 6.8991

H3: -1.17578e-06	H21: -8.35768e-06	H21f: -3.97985e-07	c2sd = -0.0651
H5: -1.77435e-06	H23: -8.07707e-06	H23f: -3.51177e-07	c2ed = -0.178
H7: -2.9318e-06	H25: -8.69646e-06	H25f: -3.47859e-07	c3sd = -0.1305
H9: -5.03565e-06	H27: -6.61918e-06	H27f: -2.45155e-07	c3ed = -0.2847
H11: -5.42217e-06	H29: -6.73767e-06	H29f: -2.32334e-07	c4sd = -0.1939
H13: -8.71554e-06	H31: -1.5723e-06	H31f: -5.07193e-08	c4ed = -0.3675
H15: -7.74587e-06	H33: -2.64307e-06	H33f: -8.00929e-08	c5sd = -0.32
H17: -9.44393e-06	H35: 1.25212e-06	H35f: 3.5775e-08	c5ed = -0.4928
H19: -8.58485e-06	H37: -0.614513	H37f: -0.0166085	varx = 1.8281%.
	H39: 0.297967	H39f: 0.00764017	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.72
Actual Amplitude:	0.72
Actual Power:	0.5184
Distortion 2H-34H:	0.00192366%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.7399	end: 9.8134	delta: 1.0735
P2 start: 17.5029	end: 19.629	delta: 2.1261
P3 start: 26.3161	end: 29.4529	delta: 3.1368
P4 start: 35.2045	end: 39.289	delta: 4.0845
P5 start: 44.1943	end: 49.1417	delta: 4.9474
P6 start: 53.3115	end: 59.0133	delta: 5.7019
P7 start: 62.5802	end: 68.9003	delta: 6.3201
P8 start: 72.0172	end: 78.7846	delta: 6.7674
P9 start: 81.6228	end: 88.6282	delta: 7.0054

H3: -1.68647e-06	H21: -7.18254e-06	H21f: -3.42026e-07	c2sd = -0.0765
H5: -1.83403e-06	H23: -6.01262e-06	H23f: -2.61418e-07	c2ed = -0.1915
H7: -2.18337e-06	H25: -5.6328e-06	H25f: -2.25312e-07	c3sd = -0.1471
H9: -3.39636e-06	H27: -5.37952e-06	H27f: -1.99241e-07	c3ed = -0.3039
H11: -4.35032e-06	H29: -3.27843e-06	H29f: -1.13049e-07	c4sd = -0.2154
H13: -4.16752e-06	H31: -3.21653e-06	H31f: -1.03759e-07	c4ed = -0.3911
H15: -6.79505e-06	H33: -3.54541e-06	H33f: -1.07437e-07	c5sd = -0.3454
H17: -5.97084e-06	H35: -6.38448e-07	H35f: -1.82414e-08	c5ed = -0.5186
H19: -6.85127e-06	H37: -0.604229	H37f: -0.0163305	varx = 1.7854%.
	H39: 0.281403	H39f: 0.00721546	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.73
Actual Amplitude:	0.73
Actual Power:	0.5329
Distortion 2H-34H:	0.00184299%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.7268	end: 9.8136	delta: 1.0868
P2 start: 17.477	end: 19.6296	delta: 2.1527
P3 start: 26.2779	end: 29.4543	delta: 3.1764
P4 start: 35.1551	end: 39.292	delta: 4.137
P5 start: 44.1352	end: 49.1477	delta: 5.0126
P6 start: 53.2453	end: 59.0248	delta: 5.7795
P7 start: 62.5106	end: 68.9204	delta: 6.4098
P8 start: 71.9494	end: 78.8172	delta: 6.8678
P9 start: 81.5629	end: 88.6752	delta: 7.1123

H3: -1.69802e-06	H21: -6.75742e-06	H21f: -3.21782e-07	c2sd = -0.0875
H5: -5.40593e-07	H23: -5.31553e-06	H23f: -2.3111e-07	c2ed = -0.206
H7: -2.43564e-06	H25: -5.9798e-06	H25f: -2.39192e-07	c3sd = -0.1633
H9: -2.46039e-06	H27: -5.0825e-06	H27f: -1.88241e-07	c3ed = -0.3246
H11: -4.47974e-06	H29: -3.07579e-06	H29f: -1.06062e-07	c4sd = -0.2363
H13: -5.4859e-06	H31: -2.65602e-06	H31f: -8.5678e-08	c4ed = -0.4166
H15: -6.46633e-06	H33: -2.36903e-06	H33f: -7.17889e-08	c5sd = -0.3702
H17: -6.76353e-06	H35: -1.90099e-07	H35f: -5.43139e-09	c5ed = -0.5469
H19: -5.39499e-06	H37: -0.593807	H37f: -0.0160488	varx = 1.7426%.
	H39: 0.264792	H39f: 0.00678953	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.74
Actual Amplitude:	0.74
Actual Power:	0.5476
Distortion 2H-34H:	0.00159793%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.7134	end: 9.8134	delta: 1.1
P2 start: 17.4507	end: 19.6297	delta: 2.179
P3 start: 26.2392	end: 29.455	delta: 3.2158
P4 start: 35.105	end: 39.2942	delta: 4.1892
P5 start: 44.0753	end: 49.1527	delta: 5.0774
P6 start: 53.178	end: 59.035	delta: 5.857
P7 start: 62.4398	end: 68.9394	delta: 6.4997
P8 start: 71.8804	end: 78.8491	delta: 6.9687
P9 start: 81.5022	end: 88.7223	delta: 7.2201

H3: -1.26485e-06	H21: -5.33288e-06	H21f: -2.53947e-07	c2sd = -0.0916
H5: -1.92804e-06	H23: -5.39531e-06	H23f: -2.34579e-07	c2ed = -0.228
H7: -1.49438e-06	H25: -4.41398e-06	H25f: -1.76559e-07	c3sd = -0.1694
H9: -4.01106e-06	H27: -3.52487e-06	H27f: -1.30551e-07	c3ed = -0.3564
H11: -2.49862e-06	H29: -3.25348e-06	H29f: -1.12189e-07	c4sd = -0.2442
H13: -5.08833e-06	H31: -1.21082e-06	H31f: -3.90586e-08	c4ed = -0.4566
H15: -5.70208e-06	H33: -1.53522e-06	H33f: -4.65219e-08	c5sd = -0.3795
H17: -5.89392e-06	H35: 3.51619e-07	H35f: 1.00462e-08	c5ed = -0.5925
H19: -5.32209e-06	H37: -0.583259	H37f: -0.0157638	varx = 1.6999%.
	H39: 0.248116	H39f: 0.00636195	

STEP-LOCKED MAGIC SINEWAVE AEXC36 - 75/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.75
Actual Amplitude:	0.75
Actual Power:	0.5625
Distortion 2H-34H:	0.00151735%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.7	end: 9.8132	delta: 1.1132
P2 start: 17.4242	end: 19.6295	delta: 2.2053
P3 start: 26.2002	end: 29.4551	delta: 3.2549
P4 start: 35.0543	end: 39.2953	delta: 4.241
P5 start: 44.0146	end: 49.1565	delta: 5.1419
P6 start: 53.1097	end: 59.0438	delta: 5.9342
P7 start: 62.3677	end: 68.9572	delta: 6.5895
P8 start: 71.8102	end: 78.8801	delta: 7.0699
P9 start: 81.4406	end: 88.7694	delta: 7.3288

H3: -1.28171e-06	H21: -6.88078e-06	H21f: -3.27656e-07	c2sd = -0.1135
H5: -6.07128e-07	H23: -3.29081e-06	H23f: -1.43079e-07	c2ed = -0.2328
H7: -2.18277e-06	H25: -4.79226e-06	H25f: -1.91691e-07	c3sd = -0.2018
H9: -2.81078e-06	H27: -3.05063e-06	H27f: -1.12986e-07	c3ed = -0.3629
H11: -4.70984e-06	H29: -2.96586e-06	H29f: -1.02271e-07	c4sd = -0.2863
H13: -4.54568e-06	H31: -1.32524e-06	H31f: -4.27496e-08	c4ed = -0.464
H15: -4.56695e-06	H33: -1.3921e-06	H33f: -4.21849e-08	c5sd = -0.4299
H17: -5.66653e-06	H35: 3.52712e-07	H35f: 1.00775e-08	c5ed = -0.5991
H19: -4.0848e-06	H37: -0.572577	H37f: -0.0154751	varx = 1.6573%.
	H39: 0.231392	H39f: 0.00593314	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.76
Actual Amplitude:	0.76
Actual Power:	0.5776
Distortion 2H-34H:	0.00266785%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.6871	end: 9.8133	delta: 1.1262
P2 start: 17.3977	end: 19.629	delta: 2.2313
P3 start: 26.1608	end: 29.4546	delta: 3.2938
P4 start: 35.0031	end: 39.2957	delta: 4.2926
P5 start: 43.953	end: 49.1591	delta: 5.2061
P6 start: 53.0402	end: 59.0513	delta: 6.0111
P7 start: 62.2942	end: 68.9736	delta: 6.6793
P8 start: 71.7386	end: 78.9103	delta: 7.1717
P9 start: 81.3782	end: 88.8165	delta: 7.4384

H3: -7.98853e-07	H21: -8.59718e-06	H21f: -4.09389e-07	c2sd = -0.1319
H5: -3.89441e-06	H23: -7.96248e-06	H23f: -3.46195e-07	c2ed = -0.2415
H7: -3.70896e-06	H25: -8.61163e-06	H25f: -3.44465e-07	c3sd = -0.2291
H9: -5.93592e-06	H27: -7.25624e-06	H27f: -2.6875e-07	c3ed = -0.3754
H11: -6.99904e-06	H29: -7.25854e-06	H29f: -2.50294e-07	c4sd = -0.322
H13: -6.42923e-06	H31: -3.50464e-06	H31f: -1.13053e-07	c4ed = -0.4792
H15: -8.26812e-06	H33: -2.9957e-06	H33f: -9.07787e-08	c5sd = -0.4728
H17: -8.02964e-06	H35: -1.51211e-06	H35f: -4.32033e-08	c5ed = -0.6152
H19: -9.13425e-06	H37: -0.561733	H37f: -0.015182	varx = 1.6149%.
	H39: 0.214665	H39f: 0.00550424	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.77
Actual Amplitude:	0.77
Actual Power:	0.5929
Distortion 2H-34H:	0.00181257%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.673	end: 9.8122	delta: 1.1392
P2 start: 17.3704	end: 19.6276	delta: 2.2571
P3 start: 26.1207	end: 29.4531	delta: 3.3324
P4 start: 34.951	end: 39.2948	delta: 4.3438
P5 start: 43.8903	end: 49.1602	delta: 5.2699
P6 start: 52.9694	end: 59.0572	delta: 6.0877
P7 start: 62.2193	end: 68.9884	delta: 6.7691
P8 start: 71.6654	end: 78.9395	delta: 7.2741
P9 start: 81.3147	end: 88.8637	delta: 7.5491

H3: -1.4784e-06	H21: -5.91828e-06	H21f: -2.81823e-07	c2sd = -0.152
H5: -8.47614e-07	H23: -5.28794e-06	H23f: -2.29911e-07	c2ed = -0.25
H7: -3.39327e-06	H25: -5.53511e-06	H25f: -2.21405e-07	c3sd = -0.2588
H9: -3.74527e-06	H27: -4.0081e-06	H27f: -1.48448e-07	c3ed = -0.3874
H11: -3.92447e-06	H29: -3.84723e-06	H29f: -1.32663e-07	c4sd = -0.3606
H13: -5.87568e-06	H31: -9.53804e-07	H31f: -3.07679e-08	c4ed = -0.4936
H15: -5.94644e-06	H33: -1.38581e-06	H33f: -4.19942e-08	c5sd = -0.5192
H17: -6.8586e-06	H35: -2.81599e-08	H35f: -8.04569e-10	c5ed = -0.6302
H19: -6.3597e-06	H37: -0.550797	H37f: -0.0148864	varx = 1.5727%.
	H39: 0.197815	H39f: 0.00507219	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 78/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.78
Actual Amplitude:	0.78
Actual Power:	0.6084
Distortion 2H-34H:	0.0020254%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.6593	end: 9.8114	delta: 1.152
P2 start: 17.3432	end: 19.6259	delta: 2.2828
P3 start: 26.0803	end: 29.451	delta: 3.3707
P4 start: 34.8983	end: 39.2929	delta: 4.3946
P5 start: 43.8268	end: 49.16	delta: 5.3333
P6 start: 52.8974	end: 59.0614	delta: 6.1641
P7 start: 62.1427	end: 69.0016	delta: 6.8589
P8 start: 71.5907	end: 78.9676	delta: 7.3769
P9 start: 81.25	end: 88.911	delta: 7.661

H3: -2.14052e-06	H21: -5.75901e-06	H21f: -2.74238e-07	c2sd = -0.1439
H5: -2.02376e-06	H23: -6.43001e-06	H23f: -2.79566e-07	c2ed = -0.2871
H7: -4.28103e-06	H25: -5.68988e-06	H25f: -2.27595e-07	c3sd = -0.2471
H9: -3.51347e-06	H27: -5.47741e-06	H27f: -2.02867e-07	c3ed = -0.4416
H11: -6.35079e-06	H29: -4.56956e-06	H29f: -1.57571e-07	c4sd = -0.3459
H13: -4.93217e-06	H31: -3.47128e-06	H31f: -1.11977e-07	c4ed = -0.5629
H15: -6.2529e-06	H33: -3.21962e-06	H33f: -9.75642e-08	c5sd = -0.5018
H17: -6.74205e-06	H35: 2.11272e-07	H35f: 6.03633e-09	c5ed = -0.7114
H19: -6.43691e-06	H37: -0.539695	H37f: -0.0145863	varx = 1.5307%.
	H39: 0.180964	H39f: 0.00464011	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.79
Actual Amplitude:	0.79
Actual Power:	0.6241
Distortion 2H-34H:	0.00139798%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.6451	end: 9.8099	delta: 1.1648
P2 start: 17.3153	end: 19.6236	delta: 2.3082
P3 start: 26.0392	end: 29.4479	delta: 3.4087
P4 start: 34.8447	end: 39.2898	delta: 4.445
P5 start: 43.7621	end: 49.1583	delta: 5.3962
P6 start: 52.8238	end: 59.0638	delta: 6.24
P7 start: 62.0644	end: 69.013	delta: 6.9486
P8 start: 71.5141	end: 78.9946	delta: 7.4804
P9 start: 81.1841	end: 88.9583	delta: 7.7742

H3: -1.02469e-06	H21: -5.01366e-06	H21f: -2.38745e-07	c2sd = -0.1565
H5: -2.05578e-06	H23: -3.38314e-06	H23f: -1.47093e-07	c2ed = -0.3046
H7: -2.42906e-06	H25: -4.74943e-06	H25f: -1.89977e-07	c3sd = -0.2659
H9: -2.45498e-06	H27: -4.14145e-06	H27f: -1.53387e-07	c3ed = -0.467
H11: -3.93865e-06	H29: -3.43845e-06	H29f: -1.18567e-07	c4sd = -0.3707
H13: -3.83519e-06	H31: -3.30958e-06	H31f: -1.06761e-07	c4ed = -0.5948
H15: -3.77213e-06	H33: -2.08431e-06	H33f: -6.31609e-08	c5sd = -0.5319
H17: -3.84823e-06	H35: 6.03834e-07	H35f: 1.72524e-08	c5ed = -0.7478
H19: -3.8982e-06	H37: -0.528466	H37f: -0.0142829	varx = 1.4889%.
	H39: 0.164045	H39f: 0.00420628	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.8
Actual Amplitude:	0.8
Actual Power:	0.64
Distortion 2H-34H:	0.00158528%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.6311	end: 9.8085	delta: 1.1775
P2 start: 17.2873	end: 19.6208	delta: 2.3335
P3 start: 25.9977	end: 29.444	delta: 3.4464
P4 start: 34.7904	end: 39.2855	delta: 4.4951
P5 start: 43.6963	end: 49.1549	delta: 5.4587
P6 start: 52.7489	end: 59.0643	delta: 6.3154
P7 start: 61.9842	end: 69.0224	delta: 7.0382
P8 start: 71.4356	end: 79.0202	delta: 7.5846
P9 start: 81.1168	end: 89.0057	delta: 7.8888

H3: -1.54944e-06	H21: -4.35921e-06	H21f: -2.07582e-07	c2sd = -0.1924
H5: -1.49885e-06	H23: -5.38661e-06	H23f: -2.342e-07	c2ed = -0.2995
H7: -3.1305e-06	H25: -4.50793e-06	H25f: -1.80317e-07	c3sd = -0.319
H9: -3.47834e-06	H27: -4.08265e-06	H27f: -1.51209e-07	c3ed = -0.4593
H11: -3.94978e-06	H29: -3.13377e-06	H29f: -1.08061e-07	c4sd = -0.4399
H13: -4.31995e-06	H31: -1.9034e-06	H31f: -6.13998e-08	c4ed = -0.5842
H15: -5.70447e-06	H33: -1.05213e-06	H33f: -3.18826e-08	c5sd = -0.6156
H17: -5.09474e-06	H35: -7.48068e-07	H35f: -2.13734e-08	c5ed = -0.7332
H19: -5.64689e-06	H37: -0.51707	H37f: -0.0139749	varx = 1.4475%.
	H39: 0.147115	H39f: 0.00377219	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.81
Actual Amplitude:	0.81
Actual Power:	0.656101
Distortion 2H-34H:	0.0015437%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.6167	end: 9.8067	delta: 1.19
P2 start: 17.2589	end: 19.6174	delta: 2.3585
P3 start: 25.9555	end: 29.4392	delta: 3.4837
P4 start: 34.7352	end: 39.2798	delta: 4.5446
P5 start: 43.6292	end: 49.1498	delta: 5.5206
P6 start: 52.6722	end: 59.0626	delta: 6.3904
P7 start: 61.902	end: 69.0296	delta: 7.1276
P8 start: 71.3549	end: 79.0443	delta: 7.6894
P9 start: 81.0479	end: 89.0531	delta: 8.0052

H3: -1.93631e-06	H21: -4.28755e-06	H21f: -2.04169e-07	c2sd = -0.1877
H5: 2.81078e-07	H23: -5.01866e-06	H23f: -2.18203e-07	c2ed = -0.336
H7: -3.68078e-06	H25: -4.21242e-06	H25f: -1.68497e-07	c3sd = -0.3125
H9: -2.49847e-06	H27: -4.21963e-06	H27f: -1.56283e-07	c3ed = -0.5128
H11: -5.12754e-06	H29: -3.44401e-06	H29f: -1.18759e-07	c4sd = -0.4322
H13: -4.5549e-06	H31: -2.03101e-06	H31f: -6.55165e-08	c4ed = -0.6528
H15: -4.84078e-06	H33: -2.13505e-06	H33f: -6.46986e-08	c5sd = -0.607
H17: -5.42315e-06	H35: -6.74586e-07	H35f: -1.92739e-08	c5ed = -0.814
H19: -3.83153e-06	H37: -0.505521	H37f: -0.0136627	varx = 1.4064%.
	H39: 0.130141	H39f: 0.00333695	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.82
Actual Amplitude:	0.82
Actual Power:	0.6724
Distortion 2H-34H:	0.00191351%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.6025	end: 9.8049	delta: 1.2024
P2 start: 17.2301	end: 19.6134	delta: 2.3833
P3 start: 25.9127	end: 29.4334	delta: 3.5207
P4 start: 34.6791	end: 39.2728	delta: 4.5937
P5 start: 43.5609	end: 49.1429	delta: 5.582
P6 start: 52.5938	end: 59.0586	delta: 6.4648
P7 start: 61.8176	end: 69.0344	delta: 7.2168
P8 start: 71.2718	end: 79.0666	delta: 7.7948
P9 start: 80.9772	end: 89.1005	delta: 8.1233

H3: -1.2957e-06	H21: -6.71208e-06	H21f: -3.19623e-07	c2sd = -0.2081
H5: -2.09163e-06	H23: -5.95539e-06	H23f: -2.5893e-07	c2ed = -0.3484
H7: -4.16475e-06	H25: -5.39011e-06	H25f: -2.15604e-07	c3sd = -0.343
H9: -3.29067e-06	H27: -4.48353e-06	H27f: -1.66057e-07	c3ed = -0.5309
H11: -5.38473e-06	H29: -4.67856e-06	H29f: -1.6133e-07	c4sd = -0.4724
H13: -5.75946e-06	H31: -1.73158e-06	H31f: -5.58574e-08	c4ed = -0.6757
H15: -5.97873e-06	H33: -3.22523e-06	H33f: -9.77342e-08	c5sd = -0.6562
H17: -5.87965e-06	H35: 7.35111e-07	H35f: 2.10032e-08	c5ed = -0.84
H19: -5.82578e-06	H37: -0.493798	H37f: -0.0133459	varx = 1.3658%.
	H39: 0.113149	H39f: 0.00290125	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.83
Actual Amplitude:	0.83
Actual Power:	0.6889
Distortion 2H-34H:	0.00165247%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.5876	end: 9.8023	delta: 1.2147
P2 start: 17.2009	end: 19.6086	delta: 2.4078
P3 start: 25.8692	end: 29.4265	delta: 3.5573
P4 start: 34.6219	end: 39.2642	delta: 4.6423
P5 start: 43.4911	end: 49.1339	delta: 5.6427
P6 start: 52.5135	end: 59.0521	delta: 6.5386
P7 start: 61.7307	end: 69.0365	delta: 7.3058
P8 start: 71.186	end: 79.087	delta: 7.9011
P9 start: 80.9045	end: 89.1481	delta: 8.2435

H3: -1.09722e-06	H21: -6.54413e-06	H21f: -3.11625e-07	c_{2sd} = -0.2179
H5: -2.92592e-06	H23: -3.76076e-06	H23f: -1.63511e-07	c_{2ed} = -0.3726
H7: -2.93898e-06	H25: -5.51536e-06	H25f: -2.20614e-07	c_{3sd} = -0.3579
H9: -3.46437e-06	H27: -4.08409e-06	H27f: -1.51263e-07	c_{3ed} = -0.5664
H11: -4.76293e-06	H29: -5.13927e-06	H29f: -1.77216e-07	c_{4sd} = -0.4926
H13: -3.77697e-06	H31: -2.73125e-06	H31f: -8.81048e-08	c_{4ed} = -0.7213
H15: -5.23008e-06	H33: -2.94254e-06	H33f: -8.9168e-08	c_{5sd} = -0.6815
H17: -4.49107e-06	H35: 2.76917e-07	H35f: 7.91192e-09	c_{5ed} = -0.8936
H19: -3.39272e-06	H37: -0.481913	H37f: -0.0130247	varx = 1.3256%.
	H39: 0.0961057	H39f: 0.00246425	

STEP-LOCKED MAGIC SINEWAVE AEXC36 - 84/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.84
Actual Amplitude:	0.84
Actual Power:	0.7056
Distortion 2H-34H:	0.00148675%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.5726	end: 9.7996	delta: 1.2269
P2 start: 17.1711	end: 19.6031	delta: 2.432
P3 start: 25.825	end: 29.4185	delta: 3.5935
P4 start: 34.5637	end: 39.254	delta: 4.6903
P5 start: 43.4198	end: 49.1226	delta: 5.7028
P6 start: 52.4311	end: 59.0427	delta: 6.6116
P7 start: 61.6412	end: 69.0354	delta: 7.3942
P8 start: 71.097	end: 79.1052	delta: 8.0081
P9 start: 80.8295	end: 89.1957	delta: 8.3662

H3: -6.0231e-07	H21: -5.04219e-06	H21f: -2.40104e-07	c2sd = -0.2315
H5: -1.28292e-06	H23: -4.67837e-06	H23f: -2.03408e-07	c2ed = -0.3943
H7: -3.76874e-06	H25: -3.9897e-06	H25f: -1.59588e-07	c3sd = -0.3784
H9: -1.37527e-06	H27: -2.75055e-06	H27f: -1.01872e-07	c3ed = -0.5982
H11: -4.73908e-06	H29: -3.57647e-06	H29f: -1.23327e-07	c4sd = -0.5201
H13: -4.14204e-06	H31: -1.66704e-06	H31f: -5.37754e-08	c4ed = -0.7623
H15: -5.09554e-06	H33: -1.59338e-06	H33f: -4.82843e-08	c5sd = -0.7158
H17: -4.62893e-06	H35: -2.58133e-07	H35f: -7.37522e-09	c5ed = -0.9418
H19: -5.19254e-06	H37: -0.469841	H37f: -0.0126984	varx = 1.2859%.
	H39: 0.0790294	H39f: 0.0020264	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.85
Actual Amplitude:	0.85
Actual Power:	0.7225
Distortion 2H-34H:	0.00142869%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.5575	end: 9.7964	delta: 1.239
P2 start: 17.1409	end: 19.5969	delta: 2.456
P3 start: 25.78	end: 29.4092	delta: 3.6292
P4 start: 34.5043	end: 39.242	delta: 4.7378
P5 start: 43.3469	end: 49.1089	delta: 5.762
P6 start: 52.3464	end: 59.0302	delta: 6.6838
P7 start: 61.5486	end: 69.0308	delta: 7.4823
P8 start: 71.0047	end: 79.1207	delta: 8.116
P9 start: 80.7517	end: 89.2434	delta: 8.4916

H3: -5.65462e-07	H21: -6.03301e-06	H21f: -2.87286e-07	c2sd = -0.2554
H5: -1.49996e-06	H23: -3.44324e-06	H23f: -1.49706e-07	c2ed = -0.4068
H7: -3.26523e-06	H25: -4.51418e-06	H25f: -1.80567e-07	c3sd = -0.4142
H9: -2.20233e-06	H27: -1.87165e-06	H27f: -6.93203e-08	c3ed = -0.6167
H11: -4.09081e-06	H29: -3.18958e-06	H29f: -1.09985e-07	c4sd = -0.5676
H13: -3.7087e-06	H31: -1.58982e-06	H31f: -5.12846e-08	c4ed = -0.7862
H15: -5.08321e-06	H33: -2.40795e-06	H33f: -7.29682e-08	c5sd = -0.7744
H17: -4.63749e-06	H35: -3.36726e-07	H35f: -9.62075e-09	c5ed = -0.9698
H19: -4.17753e-06	H37: -0.457567	H37f: -0.0123667	varx = 1.2468%.
	H39: 0.0619233	H39f: 0.00158778	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.86
Actual Amplitude:	0.86
Actual Power:	0.7396
Distortion 2H-34H:	0.00219285%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.5424	end: 9.7933	delta: 1.2508
P2 start: 17.1103	end: 19.59	delta: 2.4797
P3 start: 25.7342	end: 29.3987	delta: 3.6645
P4 start: 34.4436	end: 39.2281	delta: 4.7845
P5 start: 43.2722	end: 49.0926	delta: 5.8204
P6 start: 52.2593	end: 59.0143	delta: 6.7551
P7 start: 61.4527	end: 69.0223	delta: 7.5696
P8 start: 70.9085	end: 79.1332	delta: 8.2248
P9 start: 80.6708	end: 89.2911	delta: 8.6203

H3: -1.52959e-06	H21: -7.57649e-06	H21f: -3.60785e-07	c_{2sd} = -0.2699
H5: -1.20014e-06	H23: -5.93929e-06	H23f: -2.5823e-07	c_{2ed} = -0.4299
H7: -3.03816e-06	H25: -7.9915e-06	H25f: -3.1966e-07	c_{3sd} = -0.4362
H9: -2.87288e-06	H27: -4.52993e-06	H27f: -1.67775e-07	c_{3ed} = -0.6509
H11: -5.13427e-06	H29: -6.95008e-06	H29f: -2.39658e-07	c_{4sd} = -0.5975
H13: -5.87171e-06	H31: -1.83892e-06	H31f: -5.932e-08	c_{4ed} = -0.8307
H15: -6.68311e-06	H33: -3.75979e-06	H33f: -1.13933e-07	c_{5sd} = -0.8122
H17: -7.37627e-06	H35: -8.21942e-07	H35f: -2.34841e-08	c_{5ed} = -1.0229
H19: -7.49156e-06	H37: -0.445064	H37f: -0.0120288	varx = 1.2083%.
	H39: 0.0448011	H39f: 0.00114875	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.87
Actual Amplitude:	0.87
Actual Power:	0.7569
Distortion 2H-34H:	0.00132663%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.5263	end: 9.7889	delta: 1.2626
P2 start: 17.0788	end: 19.5818	delta: 2.503
P3 start: 25.6872	end: 29.3865	delta: 3.6993
P4 start: 34.3815	end: 39.212	delta: 4.8305
P5 start: 43.1954	end: 49.0733	delta: 5.8779
P6 start: 52.1693	end: 58.9944	delta: 6.8251
P7 start: 61.3531	end: 69.0092	delta: 7.6561
P8 start: 70.8078	end: 79.1421	delta: 8.3343
P9 start: 80.5863	end: 89.339	delta: 8.7527

H3: -9.88618e-07	H21: -5.26294e-06	H21f: -2.50616e-07	c2sd = -0.2907
H5: -2.96586e-07	H23: -3.47028e-06	H23f: -1.50882e-07	c2ed = -0.4487
H7: -2.67924e-06	H25: -4.34062e-06	H25f: -1.73625e-07	c3sd = -0.4675
H9: -2.0257e-06	H27: -2.13878e-06	H27f: -7.92139e-08	c3ed = -0.6788
H11: -3.87782e-06	H29: -2.78538e-06	H29f: -9.60475e-08	c4sd = -0.6393
H13: -3.34162e-06	H31: -1.28314e-06	H31f: -4.13916e-08	c4ed = -0.8672
H15: -5.12337e-06	H33: -1.08907e-06	H33f: -3.3002e-08	c5sd = -0.8646
H17: -4.66429e-06	H35: 1.69477e-07	H35f: 4.84221e-09	c5ed = -1.0667
H19: -3.95753e-06	H37: -0.432356	H37f: -0.0116853	varx = 1.1707%.
	H39: 0.0275855	H39f: 0.000707321	

STEP-LOCKED MAGIC SINEWAVE   AEXC36 - 88/100

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.88
Actual Amplitude:	0.88
Actual Power:	0.7744
Distortion 2H-34H:	0.00121229%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.5103	end: 9.7844	delta: 1.2741
P2 start: 17.0469	end: 19.5729	delta: 2.526
P3 start: 25.6394	end: 29.3728	delta: 3.7335
P4 start: 34.3178	end: 39.1936	delta: 4.8758
P5 start: 43.1165	end: 49.0508	delta: 5.9343
P6 start: 52.0763	end: 58.9702	delta: 6.894
P7 start: 61.2493	end: 68.9909	delta: 7.7416
P8 start: 70.7019	end: 79.1467	delta: 8.4449
P9 start: 80.4974	end: 89.3869	delta: 8.8896

H3: -9.77384e-07	H21: -3.6385e-06	H21f: -1.73262e-07	c2sd = -0.291
H5: -1.91452e-06	H23: -3.3521e-06	H23f: -1.45744e-07	c2ed = -0.4893
H7: -2.72271e-06	H25: -3.61517e-06	H25f: -1.44607e-07	c3sd = -0.4689
H9: -3.21004e-06	H27: -3.00242e-06	H27f: -1.11201e-07	c3ed = -0.7389
H11: -2.43039e-06	H29: -3.12842e-06	H29f: -1.07877e-07	c4sd = -0.6428
H13: -3.41642e-06	H31: -2.57607e-06	H31f: -8.30989e-08	c4ed = -0.9457
H15: -3.82905e-06	H33: -1.94431e-06	H33f: -5.89186e-08	c5sd = -0.8712
H17: -3.32277e-06	H35: -1.06445e-06	H35f: -3.04127e-08	c5ed = -1.1615
H19: -3.66746e-06	H37: -0.419373	H37f: -0.0113344	varx = 1.1338%.
	H39: 0.0103492	H39f: 0.000265363	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.89
Actual Amplitude:	0.89
Actual Power:	0.7921
Distortion 2H-34H:	0.00104946%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.4938	end: 9.7794	delta: 1.2855
P2 start: 17.0141	end: 19.5627	delta: 2.5486
P3 start: 25.5903	end: 29.3573	delta: 3.7671
P4 start: 34.2525	end: 39.1726	delta: 4.9201
P5 start: 43.0351	end: 49.0246	delta: 5.9895
P6 start: 51.9798	end: 58.941	delta: 6.9612
P7 start: 61.1407	end: 68.9664	delta: 7.8257
P8 start: 70.59	end: 79.146	delta: 8.556
P9 start: 80.403	end: 89.435	delta: 9.032

H3: 4.26354e-07	H21: -4.60868e-06	H21f: -2.19461e-07	c2sd = -0.313
H5: -1.56898e-06	H23: -2.58037e-06	H23f: -1.1219e-07	c2ed = -0.5102
H7: -1.29124e-06	H25: -3.92928e-06	H25f: -1.57171e-07	c3sd = -0.5021
H9: -9.47453e-07	H27: -2.22336e-06	H27f: -8.23465e-08	c3ed = -0.7703
H11: -2.70541e-06	H29: -2.17588e-06	H29f: -7.50302e-08	c4sd = -0.6877
H13: -2.05306e-06	H31: -1.34783e-06	H31f: -4.34783e-08	c4ed = -0.9872
H15: -3.49042e-06	H33: -1.42118e-06	H33f: -4.3066e-08	c5sd = -0.928
H17: -3.70677e-06	H35: -5.60351e-08	H35f: -1.601e-09	c5ed = -1.2124
H19: -3.25824e-06	H37: -0.406107	H37f: -0.0109759	varx = 1.0977%.
	H39: -0.00696025	H39f: -0.000178468	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.9
Actual Amplitude:	0.9
Actual Power:	0.81
Distortion 2H-34H:	0.00127149%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.4772	end: 9.7738	delta: 1.2966
P2 start: 16.9806	end: 19.5513	delta: 2.5708
P3 start: 25.5399	end: 29.3399	delta: 3.8
P4 start: 34.1852	end: 39.1487	delta: 4.9635
P5 start: 42.951	end: 48.9942	delta: 6.0432
P6 start: 51.8794	end: 58.9061	delta: 7.0267
P7 start: 61.0267	end: 68.9345	delta: 7.9078
P8 start: 70.4709	end: 79.1388	delta: 8.6679
P9 start: 80.3021	end: 89.4832	delta: 9.1811

H_3: -1.20863e-06	H_{21}: -4.39686e-06	$H_{21}f$: -2.09374e-07	$c2sd = -0.3193$
H_5: -1.18053e-06	H_{23}: -4.08052e-06	$H_{23}f$: -1.77414e-07	$c2ed = -0.5488$
H_7: -2.71039e-06	H_{25}: -4.83004e-06	$H_{25}f$: -1.93202e-07	$c3sd = -0.5125$
H_9: -1.30233e-06	H_{27}: -9.55664e-07	$H_{27}f$: -3.5395e-08	$c3ed = -0.8277$
H_{11}: -3.49559e-06	H_{29}: -3.37875e-06	$H_{29}f$: -1.16509e-07	$c4sd = -0.7033$
H_{13}: -3.83347e-06	H_{31}: 1.36005e-07	$H_{31}f$: 4.38727e-09	$c4ed = -1.0628$
H_{15}: -3.25488e-06	H_{33}: -1.99821e-06	$H_{33}f$: -6.05517e-08	$c5sd = -0.95$
H_{17}: -4.985e-06	H_{35}: -2.8429e-07	$H_{35}f$: -8.12257e-09	$c5ed = -1.3048$
H_{19}: -3.41731e-06	H_{37}: -0.392507	$H_{37}f$: -0.0106083	$varx = 1.0627\%.$
	H_{39}: -0.0243399	$H_{39}f$: -0.0006241	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.91
Actual Amplitude:	0.91
Actual Power:	0.8281
Distortion 2H-34H:	0.0012438%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.46	end: 9.7676	delta: 1.3076
P2 start: 16.9461	end: 19.5386	delta: 2.5925
P3 start: 25.488	end: 29.3201	delta: 3.8321
P4 start: 34.1157	end: 39.1214	delta: 5.0057
P5 start: 42.8637	end: 48.9591	delta: 6.0954
P6 start: 51.7746	end: 58.8646	delta: 7.09
P7 start: 60.9063	end: 68.8942	delta: 7.9879
P8 start: 70.3434	end: 79.1235	delta: 8.7801
P9 start: 80.1931	end: 89.5315	delta: 9.3385

H3: -6.94972e-07	H21: -5.23414e-06	H21f: -2.49245e-07	c2sd = -0.3324
H5: -1.50114e-07	H23: -3.0748e-06	H23f: -1.33687e-07	c2ed = -0.5829
H7: -1.31052e-06	H25: -4.70357e-06	H25f: -1.88143e-07	c3sd = -0.533
H9: -1.705e-06	H27: -2.78607e-06	H27f: -1.03188e-07	c3ed = -0.8788
H11: -3.16907e-06	H29: -3.50841e-06	H29f: -1.2098e-07	c4sd = -0.7322
H13: -2.75209e-06	H31: -8.39347e-07	H31f: -2.70757e-08	c4ed = -1.1307
H15: -4.11424e-06	H33: -1.49609e-06	H33f: -4.53359e-08	c5sd = -0.9885
H17: -4.25323e-06	H35: -4.47959e-07	H35f: -1.27988e-08	c5ed = -1.3887
H19: -3.84064e-06	H37: -0.378539	H37f: -0.0102308	varx = 1.0287%.
	H39: -0.0418236	H39f: -0.0010724	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.92
Actual Amplitude:	0.92
Actual Power:	0.8464
Distortion 2H-34H:	0.0021944%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.4428	end: 9.761	delta: 1.3182
P2 start: 16.9108	end: 19.5243	delta: 2.6136
P3 start: 25.4345	end: 29.2979	delta: 3.8634
P4 start: 34.0437	end: 39.0904	delta: 5.0467
P5 start: 42.7728	end: 48.9186	delta: 6.1458
P6 start: 51.6646	end: 58.8153	delta: 7.1508
P7 start: 60.7786	end: 68.8433	delta: 8.0647
P8 start: 70.2057	end: 79.0981	delta: 8.8923
P9 start: 80.0738	end: 89.5801	delta: 9.5063

H3: -4.12451e-07	H21: -7.41626e-06	H21f: -3.53155e-07	c_{2sd} = -0.3369
H5: -2.09525e-06	H23: -8.24902e-06	H23f: -3.58653e-07	c_{2ed} = -0.628
H7: -2.84002e-06	H25: -6.61242e-06	H25f: -2.64497e-07	c_{3sd} = -0.5412
H9: -3.31794e-06	H27: -6.95362e-06	H27f: -2.57541e-07	c_{3ed} = -0.9464
H11: -5.10689e-06	H29: -4.8015e-06	H29f: -1.65569e-07	c_{4sd} = -0.7456
H13: -5.07632e-06	H31: -4.48108e-06	H31f: -1.44551e-07	c_{4ed} = -1.2203
H15: -6.60472e-06	H33: -1.32984e-06	H33f: -4.02982e-08	c_{5sd} = -1.0089
H17: -5.96356e-06	H35: -1.40705e-06	H35f: -4.02013e-08	c_{5ed} = -1.4997
H19: -8.05365e-06	H37: -0.364123	H37f: -0.00984115	varx = 0.9958%.
	H39: -0.0594078	H39f: -0.00152328	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.93
Actual Amplitude:	0.93
Actual Power:	0.8649
Distortion 2H-34H:	0.00104655%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.4238	end: 9.7524	delta: 1.3286
P2 start: 16.8737	end: 19.5078	delta: 2.6341
P3 start: 25.3787	end: 29.2724	delta: 3.8937
P4 start: 33.9686	end: 39.0547	delta: 5.0861
P5 start: 42.6775	end: 48.8715	delta: 6.194
P6 start: 51.5484	end: 58.7567	delta: 7.2083
P7 start: 60.6418	end: 68.7794	delta: 8.1376
P8 start: 70.0554	end: 79.0589	delta: 9.0035
P9 start: 79.9407	end: 89.6287	delta: 9.688

H3: -7.88831e-07	H21: -2.98435e-06	H21f: -1.42112e-07	c2sd = -0.3611
H5: -1.14245e-06	H23: -3.94534e-06	H23f: -1.71536e-07	c2ed = -0.6574
H7: -1.24736e-06	H25: -2.12821e-06	H25f: -8.51285e-08	c3sd = -0.578
H9: -2.78358e-06	H27: -3.34875e-06	H27f: -1.24028e-07	c3ed = -0.9909
H11: -2.11427e-06	H29: -2.64507e-07	H29f: -9.12093e-09	c4sd = -0.7962
H13: -2.82473e-06	H31: -2.00586e-06	H31f: -6.47052e-08	c4ed = -1.2805
H15: -3.74831e-06	H33: -3.68451e-07	H33f: -1.11652e-08	c5sd = -1.0748
H17: -3.16332e-06	H35: -1.32897e-06	H35f: -3.79705e-08	c5ed = -1.5762
H19: -3.94702e-06	H37: -0.349212	H37f: -0.00943817	varx = 0.9644%.
	H39: -0.077239	H39f: -0.00198049	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.94
Actual Amplitude:	0.94
Actual Power:	0.8836
Distortion 2H-34H:	0.00103221%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.4047	end: 9.7433	delta: 1.3386
P2 start: 16.8353	end: 19.4892	delta: 2.6539
P3 start: 25.3205	end: 29.2433	delta: 3.9227
P4 start: 33.8898	end: 39.0137	delta: 5.1238
P5 start: 42.5771	end: 48.8167	delta: 6.2396
P6 start: 51.4248	end: 58.6868	delta: 7.262
P7 start: 60.4943	end: 68.6992	delta: 8.2048
P8 start: 69.8891	end: 79.001	delta: 9.1119
P9 start: 79.789	end: 89.6776	delta: 9.8886

H3: -3.49852e-07	H21: -3.46008e-06	H21f: -1.64766e-07	c2sd = -0.3245
H5: -1.11414e-06	H23: -3.48214e-06	H23f: -1.51397e-07	c2ed = -0.7511
H7: -1.81077e-06	H25: -2.86771e-06	H25f: -1.14708e-07	c3sd = -0.526
H9: -1.58779e-06	H27: -2.45195e-06	H27f: -9.08131e-08	c3ed = -1.1302
H11: -2.81105e-06	H29: -1.81515e-06	H29f: -6.25913e-08	c4sd = -0.7324
H13: -3.29151e-06	H31: -1.24228e-06	H31f: -4.00735e-08	c4ed = -1.4641
H15: -3.29399e-06	H33: -1.10093e-06	H33f: -3.33616e-08	c5sd = -1.0038
H17: -3.44311e-06	H35: -3.32167e-07	H35f: -9.49049e-09	c5ed = -1.8024
H19: -3.66707e-06	H37: -0.333647	H37f: -0.00901747	varx = 0.9343%.
	H39: -0.095281	H39f: -0.0024431	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.95
Actual Amplitude:	0.95
Actual Power:	0.9025
Distortion 2H-34H:	0.000239328%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.3843	end: 9.7325	delta: 1.3482
P2 start: 16.7948	end: 19.4675	delta: 2.6727
P3 start: 25.2591	end: 29.2095	delta: 3.9504
P4 start: 33.8065	end: 38.9659	delta: 5.1594
P5 start: 42.4701	end: 48.7521	delta: 6.282
P6 start: 51.292	end: 58.6027	delta: 7.3108
P7 start: 60.3333	end: 68.5979	delta: 8.2646
P8 start: 69.7024	end: 78.9173	delta: 9.2148
P9 start: 79.6115	end: 89.7268	delta: 10.1153

H3: -1.86399e-07	H21: -3.76602e-07	H21f: -1.79334e-08	c2sd = -0.0835
H5: -4.95289e-07	H23: -1.2608e-06	H23f: -5.48173e-08	c2ed = -1.0542
H7: 1.59771e-07	H25: -2.17288e-07	H25f: -8.69152e-09	c3sd = -0.1737
H9: -6.2133e-07	H27: -7.69265e-07	H27f: -2.84913e-08	c3ed = -1.5776
H11: -1.59771e-07	H29: -2.4241e-07	H29f: -8.35898e-09	c4sd = -0.2806
H13: -8.54158e-07	H31: -3.19541e-07	H31f: -1.03078e-08	c4ed = -2.047
H15: -5.32568e-07	H33: -2.17869e-07	H33f: -6.60209e-09	c5sd = -0.4676
H17: -7.75357e-07	H35: 8.9015e-08	H35f: 2.54329e-09	c5ed = -2.5101
H19: -8.9976e-07	H37: -0.317284	H37f: -0.00857524	varx = 0.9057%.
	H39: -0.113685	H39f: -0.00291499	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.96
Actual Amplitude:	0.96
Actual Power:	0.9216
Distortion 2H-34H:	0.000347286%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.363	end: 9.7203	delta: 1.3572
P2 start: 16.7519	end: 19.4424	delta: 2.6905
P3 start: 25.1938	end: 29.17	delta: 3.9762
P4 start: 33.7173	end: 38.9095	delta: 5.1922
P5 start: 42.3549	end: 48.6752	delta: 6.3203
P6 start: 51.1473	end: 58.5003	delta: 7.353
P7 start: 60.1547	end: 68.4685	delta: 8.3139
P8 start: 69.4884	end: 78.7948	delta: 9.3064
P9 start: 79.3956	end: 89.7764	delta: 10.3808

$H3$: 7.90531e-08	$H21$: -6.88892e-07	$H21f$: -3.28044e-08	$c2sd = -0.0902$
$H5$: -4.26887e-07	$H23$: -1.28547e-06	$H23f$: -5.58901e-08	$c2ed = -1.1155$
$H7$: -3.50092e-07	$H25$: -5.94479e-07	$H25f$: -2.37792e-08	$c3sd = -0.1859$
$H9$: -7.99315e-07	$H27$: -1.58106e-06	$H27f$: -5.85579e-08	$c3ed = -1.6703$
$H11$: -7.47411e-07	$H29$: -9.75897e-07	$H29f$: -3.36516e-08	$c4sd = -0.3011$
$H13$: -1.00337e-06	$H31$: -7.80331e-07	$H31f$: -2.5172e-08	$c4ed = -2.1721$
$H15$: -1.16999e-06	$H33$: -4.91088e-07	$H33f$: -1.48814e-08	$c5sd = -0.5002$
$H17$: -7.30079e-07	$H35$: -8.80878e-08	$H35f$: -2.51679e-09	$c5ed = -2.6697$
$H19$: -9.23673e-07	$H37$: -0.299836	$H37f$: -0.00810366	$varx = 0.8788\%.$
	$H39$: -0.13256	$H39f$: -0.00339898	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.97
Actual Amplitude:	0.97
Actual Power:	0.9409
Distortion 2H-34H:	0.000241797%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.34	end: 9.7055	delta: 1.3655
P2 start: 16.7054	end: 19.4121	delta: 2.7067
P3 start: 25.1227	end: 29.1223	delta: 3.9996
P4 start: 33.6199	end: 38.8412	delta: 5.2213
P5 start: 42.2281	end: 48.5811	delta: 6.353
P6 start: 50.9862	end: 58.3726	delta: 7.3864
P7 start: 59.9518	end: 68.2993	delta: 8.3474
P8 start: 69.2357	end: 78.6111	delta: 9.3754
P9 start: 79.1189	end: 89.8264	delta: 10.7074

H_3: -2.60794e-08	H_{21}: -9.68663e-08	$H_{21}f$: -4.61268e-09	$c2sd = -0.1582$
H_5: -2.19067e-07	H_{23}: -1.34025e-06	$H_{23}f$: -5.82719e-08	$c2ed = -1.1244$
H_7: -2.90599e-07	H_{25}: -3.69284e-07	$H_{25}f$: -1.47714e-08	$c3sd = -0.2885$
H_9: -5.04201e-07	H_{27}: -8.7221e-07	$H_{27}f$: -3.23041e-08	$c3ed = -1.6865$
H_{11}: -4.48091e-07	H_{29}: -1.51081e-07	$H_{29}f$: -5.20967e-09	$c4sd = -0.4392$
H_{13}: -3.85172e-07	H_{31}: -8.78286e-07	$H_{31}f$: -2.83318e-08	$c4ed = -2.1997$
H_{15}: -7.40654e-07	H_{33}: 1.1143e-07	$H_{33}f$: 3.37667e-09	$c5sd = -0.676$
H_{17}: -3.68179e-07	H_{35}: -1.65418e-07	$H_{35}f$: -4.72622e-09	$c5ed = -2.7149$
H_{19}: -9.42975e-07	H_{37}: -0.280872	$H_{37}f$: -0.00759114	$varx = 0.8536\%.$
	H_{39}: -0.152203	$H_{39}f$: -0.00390263	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.98
Actual Amplitude:	0.98
Actual Power:	0.9604
Distortion 2H-34H:	0.000365056%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.3144	end: 9.6871	delta: 1.3727
P2 start: 16.6534	end: 19.3741	delta: 2.7207
P3 start: 25.043	end: 29.0623	delta: 4.0193
P4 start: 33.5099	end: 38.7549	delta: 5.245
P5 start: 42.0837	end: 48.4612	delta: 6.3775
P6 start: 50.8003	end: 58.2068	delta: 7.4065
P7 start: 59.7124	end: 68.0689	delta: 8.3565
P8 start: 68.9239	end: 78.3204	delta: 9.3964
P9 start: 78.7365	end: 89.877	delta: 11.1405

H3: -4.13012e-07	H21: -1.38654e-06	H21f: -6.60258e-08	c2sd = -0.1809
H5: -1.39392e-07	H23: -1.29291e-06	H23f: -5.62134e-08	c2ed = -1.1916
H7: -3.98262e-07	H25: -1.07177e-06	H25f: -4.28707e-08	c3sd = -0.3252
H9: -4.56034e-07	H27: -1.20749e-06	H27f: -4.47217e-08	c3ed = -1.7895
H11: -1.01376e-06	H29: -7.39684e-07	H29f: -2.55063e-08	c4sd = -0.4936
H13: -9.35234e-07	H31: -9.49262e-07	H31f: -3.06214e-08	c4ed = -2.3415
H15: -1.10997e-06	H33: -1.056e-07	H33f: -3.19999e-09	c5sd = -0.7536
H17: -1.08416e-06	H35: -5.75267e-08	H35f: -1.64362e-09	c5ed = -2.9015
H19: -8.92595e-07	H37: -0.259536	H37f: -0.0070145	varx = 0.8301%.
	H39: -0.173107	H39f: -0.00443865	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.99
Actual Amplitude:	0.99
Actual Power:	0.9801
Distortion 2H-34H:	0.000100714%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.2837	end: 9.6617	delta: 1.378
P2 start: 16.5913	end: 19.322	delta: 2.7307
P3 start: 24.9474	end: 28.98	delta: 4.0326
P4 start: 33.3772	end: 38.6363	delta: 5.2592
P5 start: 41.9075	end: 48.2953	delta: 6.3878
P6 start: 50.57	end: 57.9737	delta: 7.4037
P7 start: 59.4082	end: 67.7302	delta: 8.3219
P8 start: 68.5071	end: 77.8152	delta: 9.3081
P9 start: 78.143	end: 89.9286	delta: 11.7857

H3: 2.29973e-07	H21: -9.1259e-08	H21f: -4.34567e-09	c_{2sd} = -0.0789
H5: -3.0663e-07	H23: -4.33282e-07	H23f: -1.88383e-08	c_{2ed} = -1.4078
H7: 1.64266e-07	H25: 9.50554e-08	H25f: 3.80222e-09	c_{3sd} = -0.1796
H9: -2.29973e-07	H27: -5.7919e-07	H27f: -2.14515e-08	c_{3ed} = -2.1129
H11: -2.09066e-08	H29: 2.64336e-08	H29f: 9.11505e-10	c_{4sd} = -0.3144
H13: -1.71005e-07	H31: -3.0663e-07	H31f: -9.8913e-09	c_{4ed} = -2.7721
H15: -1.68647e-07	H33: 9.05953e-08	H33f: 2.74531e-09	c_{5sd} = -0.5548
H17: -5.41112e-08	H35: -5.69456e-08	H35f: -1.62702e-09	c_{5ed} = -3.4424
H19: -2.82423e-07	H37: -0.233852	H37f: -0.00632034	varx = 0.8081%.
	H39: -0.196388	H39f: -0.00503559	

SUMMARY: This carier suppressed steplock-36 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 36 are virtually zero. The first major harmonics are 37th and 39th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	1.0
Actual Amplitude:	0.999999
Actual Power:	0.999997
Distortion 2H-34H:	0.000176836%
First strong harmonics:	37 and 39
Pulses per sine cycle:	36
Total switching events:	72
Delta Friendly:	No

P1 start: 8.2403	end: 9.6188	delta: 1.3784
P2 start: 16.5029	end: 19.2335	delta: 2.7306
P3 start: 24.8103	end: 28.8402	delta: 4.0299
P4 start: 33.1849	end: 38.4344	delta: 5.2495
P5 start: 41.6491	end: 48.0119	delta: 6.3629
P6 start: 50.2258	end: 57.5714	delta: 7.3457
P7 start: 58.9408	end: 67.1255	delta: 8.1847
P8 start: 67.8328	end: 76.7628	delta: 8.93
P9 start: 77.0133	end: 89.9821	delta: 12.9688

H_3: -1.26485e-07	H_{21}: 3.1802e-07	H_{21f}: 1.51438e-08	$c2sd = 0.8546$
H_5: -6.98198e-07	H_{23}: -6.17028e-07	H_{23f}: -2.68273e-08	$c2ed = -2.5181$
H_7: 5.42079e-07	H_{25}: -1.63925e-07	H_{25f}: -6.55699e-09	$c3sd = 1.1849$
H_9: -7.67343e-07	H_{27}: -2.02376e-07	H_{27f}: -7.49542e-09	$c3ed = -3.7544$
H_{11}: 8.96895e-08	H_{29}: -5.33855e-07	H_{29f}: -1.84088e-08	$c4sd = 1.4357$
H_{13}: -3.79456e-07	H_{31}: -2.69291e-08	H_{31f}: -8.68681e-10	$c4ed = -4.9164$
H_{15}: -6.07129e-08	H_{33}: -3.81755e-07	H_{33f}: -1.15683e-08	$c5sd = 1.5215$
H_{17}: 2.27673e-07	H_{35}: 1.73465e-08	H_{35f}: 4.95615e-10	$c5ed = -6.0605$
H_{19}: -7.42934e-07	H_{37}: -0.197039	H_{37f}: -0.00532538	$varx = 0.7852\%.$
	H_{39}: -0.225011	H_{39f}: -0.00576951	