

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.010021
 Actual Power: 0.000100421
 Distortion 2H-24H: 5.677%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.6784	end: 13.7147	delta: 0.0362
P2 start: 27.3785	end: 27.4476	delta: 0.0691
P3 start: 41.1667	end: 41.2625	delta: 0.0958
P4 start: 55.0146	end: 55.1301	delta: 0.1155
P5 start: 68.9262	end: 69.0543	delta: 0.1281
P6 start: 82.9239	end: 83.058	delta: 0.1342

H3: 0.040259	H19: 0.00201367	H19f: 0.000105983
H5: 0.000546783	H21: -0.00316126	H21f: -0.000150536
H7: 0.000693487	H23: 0.039824	H23f: 0.00173148
H9: -0.000102659	H25: -1.07298	H25f: -0.0429191
H11: -0.000755252	H27: 0.914728	H27f: 0.0338788
H13: 0.000185834	H29: 0.114602	H29f: 0.0039518
H15: -0.000755298	H31: 0.00353423	H31f: 0.000114007
H17: 0.000276198	H33: 0.00312015	H33f: 9.45499e-05

c2sd = -0.0141
 c2ed = 0.0001
 c3sd = 0.006
 c3ed = 0.0232
 c4sd = 0.0634
 c4ed = 0.0812
 c5sd = 0.0318
 c5ed = 0.0486
 varx = 5.4822%.

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Desired Amplitude: 0.02
 Actual Amplitude: 0.020036
 Actual Power: 0.000401441
 Distortion 2H-24H: 2.77227%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.6385 end: 13.7093 delta: 0.0707
 P2 start: 27.3455 end: 27.4792 delta: 0.1337
 P3 start: 41.218 end: 41.4042 delta: 0.1862
 P4 start: 55.1482 end: 55.3771 delta: 0.2289
 P5 start: 68.9955 end: 69.2542 delta: 0.2587
 P6 start: 82.8882 end: 83.1608 delta: 0.2726

H3: 0.0177228	H19: 0.00567782	H19f: 0.000298832
H5: 0.00606719	H21: 0.00558186	H21f: 0.000265803
H7: 0.0062292	H23: 0.0173854	H23f: 0.000755886
H9: -0.00212155	H25: -1.04988	H25f: -0.0419951
H11: -0.00052684	H27: 0.945046	H27f: 0.0350017
H13: 0.000574862	H29: 0.0489297	H29f: 0.00168723
H15: -0.000510587	H31: 0.0174357	H31f: 0.000562441
H17: -0.00279669	H33: 0.0194423	H33f: 0.000589162

c2sd = -0.0317
 c2ed = 0.0165
 c3sd = 0.0791
 c3ed = 0.1431
 c4sd = 0.2242
 c4ed = 0.3011
 c5sd = 0.1321
 c5ed = 0.2176
 varx = 5.4695%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.0300141
 Actual Power: 0.000900843
 Distortion 2H-24H: 1.59397%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.5738	end: 13.6777	delta: 0.1039
P2 start: 27.3531	end: 27.5497	delta: 0.1966
P3 start: 41.2627	end: 41.5389	delta: 0.2763
P4 start: 55.1428	end: 55.485	delta: 0.3422
P5 start: 68.9857	end: 69.3744	delta: 0.3887
P6 start: 82.8383	end: 83.2495	delta: 0.4112

H3: 0.00779963	H19: 0.00559002	H19f: 0.000294211
H5: 0.00550104	H21: 0.00535564	H21f: 0.00025503
H7: 0.00616127	H23: 0.00794438	H23f: 0.000345408
H9: 0.000183458	H25: -1.03666	H25f: -0.0414663
H11: 0.000853029	H27: 0.959191	H27f: 0.0355256
H13: -0.000757388	H29: 0.0214531	H29f: 0.000739764
H15: 0.00078502	H31: 0.0150926	H31f: 0.000486859
H17: 0.000147249	H33: 0.018067	H33f: 0.000547485

c2sd = -0.0177
 c2ed = 0.0804
 c3sd = 0.1331
 c3ed = 0.2685
 c4sd = 0.2303
 c4ed = 0.3974
 c5sd = 0.1355
 c5ed = 0.3247
 varx = 5.4608%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.0400072
 Actual Power: 0.00160057
 Distortion 2H-24H: 1.05327%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.5302 end: 13.6668 delta: 0.1366
 P2 start: 27.3767 end: 27.6364 delta: 0.2596
 P3 start: 41.2629 end: 41.6305 delta: 0.3676
 P4 start: 55.105 end: 55.561 delta: 0.456
 P5 start: 68.9389 end: 69.4572 delta: 0.5182
 P6 start: 82.7829 end: 83.3324 delta: 0.5495

H3: 0.00388113	H19: 0.0045808	H19f: 0.000241095
H5: 0.00389213	H21: 0.0037105	H21f: 0.00017669
H7: 0.00451118	H23: 0.00381226	H23f: 0.000165751
H9: 0.00172979	H25: -1.02822	H25f: -0.0411288
H11: 0.00165723	H27: 0.966711	H27f: 0.0358041
H13: 0.0002717	H29: 0.0109559	H29f: 0.00037779
H15: 0.00149681	H31: 0.0102323	H31f: 0.000330075
H17: 0.00174273	H33: 0.0131056	H33f: 0.000397141

c2sd = 0.0259
 c2ed = 0.1472
 c3sd = 0.1618
 c3ed = 0.3316
 c4sd = 0.228
 c4ed = 0.4381
 c5sd = 0.1291
 c5ed = 0.3671
 varx = 5.4531%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.0499946
 Actual Power: 0.00249946
 Distortion 2H-24H: 0.756288%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.5116 end: 13.6805 delta: 0.1689
 P2 start: 27.4042 end: 27.7269 delta: 0.3226
 P3 start: 41.2414 end: 41.7006 delta: 0.4592
 P4 start: 55.0591 end: 55.6293 delta: 0.5702
 P5 start: 68.8801 end: 69.5279 delta: 0.6477
 P6 start: 82.7196 end: 83.4067 delta: 0.6871

H3: 0.00192987	H19: 0.00314606	H19f: 0.000165582
H5: 0.0019667	H21: 0.00199629	H21f: 9.50617e-05
H7: 0.0031329	H23: 0.00221751	H23f: 9.64136e-05
H9: 0.0020341	H25: -1.02115	H25f: -0.040846
H11: 0.00224303	H27: 0.971997	H27f: 0.0359999
H13: 0.0017249	H29: 0.00686422	H29f: 0.000236697
H15: 0.00225815	H31: 0.00490882	H31f: 0.000158349
H17: 0.00193552	H33: 0.00866144	H33f: 0.000262468

c2sd = 0.0759
 c2ed = 0.2152
 c3sd = 0.1725
 c3ed = 0.3695
 c4sd = 0.2222
 c4ed = 0.4662
 c5sd = 0.1159
 c5ed = 0.3921
 varx = 5.4447%.

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Desired Amplitude: 0.06
 Actual Amplitude: 0.0599982
 Actual Power: 0.00359978
 Distortion 2H-24H: 0.694727%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.4918	end: 13.6937	delta: 0.2019
P2 start: 27.3916	end: 27.7783	delta: 0.3867
P3 start: 41.2016	end: 41.7529	delta: 0.5513
P4 start: 55.0032	end: 55.6874	delta: 0.6842
P5 start: 68.8172	end: 69.5945	delta: 0.7773
P6 start: 82.6536	end: 83.4784	delta: 0.8248

H3: 0.00151534	H19: 0.00256493	H19f: 0.000134996
H5: 0.00144071	H21: 0.00149251	H21f: 7.10718e-05
H7: 0.00240401	H23: 0.00151495	H23f: 6.58674e-05
H9: 0.00217772	H25: -1.01825	H25f: -0.04073
H11: 0.00250333	H27: 0.972273	H27f: 0.0360101
H13: 0.00225199	H29: 0.00636505	H29f: 0.000219484
H15: 0.00248601	H31: 0.00340524	H31f: 0.000109846
H17: 0.0021797	H33: 0.00654752	H33f: 0.00019841

c2sd = 0.0782
 c2ed = 0.2517
 c3sd = 0.154
 c3ed = 0.4004
 c4sd = 0.1928
 c4ed = 0.4978
 c5sd = 0.0833
 c5ed = 0.4284
 varx = 5.4366%.

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Desired Amplitude: 0.07
 Actual Amplitude: 0.0700338
 Actual Power: 0.00490473
 Distortion 2H-24H: 0.511027%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.5353	end: 13.7698	delta: 0.2344
P2 start: 27.3862	end: 27.8372	delta: 0.4509
P3 start: 41.1683	end: 41.8117	delta: 0.6433
P4 start: 54.9538	end: 55.7523	delta: 0.7985
P5 start: 68.7573	end: 69.6645	delta: 0.9072
P6 start: 82.5878	end: 83.5509	delta: 0.963

H3: 0.000897249	H19: 0.00181121	H19f: 9.53267e-05
H5: 0.00102295	H21: 0.00116872	H21f: 5.56536e-05
H7: 0.00162266	H23: 0.00099581	H23f: 4.34601e-05
H9: 0.00166314	H25: -1.01166	H25f: -0.0404663
H11: 0.00186149	H27: 0.975901	H27f: 0.0361445
H13: 0.00185351	H29: 0.00614764	H29f: 0.000211988
H15: 0.0018619	H31: 0.00266983	H31f: 8.61235e-05
H17: 0.00168862	H33: 0.00457986	H33f: 0.000138784

c2sd = 0.1407
 c2ed = 0.2426
 c3sd = 0.218
 c3ed = 0.362
 c4sd = 0.2643
 c4ed = 0.4419
 c5sd = 0.161
 c5ed = 0.3608
 varx = 5.4259%.

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Desired Amplitude: 0.08
 Actual Amplitude: 0.08
 Actual Power: 0.00639999
 Distortion 2H-24H: 0.596627%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.4875 end: 13.7559 delta: 0.2684
 P2 start: 27.3401 end: 27.8554 delta: 0.5153
 P3 start: 41.1135 end: 41.8483 delta: 0.7348
 P4 start: 54.8906 end: 55.8028 delta: 0.9122
 P5 start: 68.6887 end: 69.7251 delta: 1.0364
 P6 start: 82.5176 end: 83.6177 delta: 1.1001

H3: 0.0011254	H19: 0.00203428	H19f: 0.000107067
H5: 0.00128863	H21: 0.00128798	H21f: 6.13323e-05
H7: 0.00197439	H23: 0.00121042	H23f: 5.2627e-05
H9: 0.00189728	H25: -1.01296	H25f: -0.0405185
H11: 0.00214625	H27: 0.970783	H27f: 0.0359549
H13: 0.00212641	H29: 0.00778351	H29f: 0.000268397
H15: 0.00220388	H31: 0.00313106	H31f: 0.000101002
H17: 0.00198092	H33: 0.0053362	H33f: 0.000161703

c2sd = 0.1135
 c2ed = 0.2419
 c3sd = 0.1902
 c3ed = 0.3716
 c4sd = 0.2347
 c4ed = 0.4587
 c5sd = 0.1307
 c5ed = 0.3831
 varx = 5.4172%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.0900375
 Actual Power: 0.00810674
 Distortion 2H-24H: 0.373384%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.549	end: 13.8496	delta: 0.3005
P2 start: 27.3389	end: 27.9184	delta: 0.5794
P3 start: 41.0831	end: 41.9099	delta: 0.8268
P4 start: 54.8425	end: 55.8688	delta: 1.0263
P5 start: 68.6295	end: 69.7959	delta: 1.1664
P6 start: 82.4509	end: 83.6893	delta: 1.2384

H3: 0.000608561	H19: 0.00121721	H19f: 6.40637e-05
H5: 0.000835465	H21: 0.000813582	H21f: 3.8742e-05
H7: 0.00116414	H23: 0.00061142	H23f: 2.65835e-05
H9: 0.00123417	H25: -1.00483	H25f: -0.0401932
H11: 0.00145006	H27: 0.974983	H27f: 0.0361105
H13: 0.00138907	H29: 0.00803866	H29f: 0.000277195
H15: 0.00138885	H31: 0.00219813	H31f: 7.09074e-05
H17: 0.0012314	H33: 0.00327833	H33f: 9.93433e-05

c2sd = 0.0733
 c2ed = 0.344
 c3sd = 0.1039
 c3ed = 0.4891
 c4sd = 0.1171
 c4ed = 0.5941
 c5sd = -0.0076
 c5ed = 0.533
 varx = 5.4033%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.100027
 Actual Power: 0.0100054
 Distortion 2H-24H: 0.26963%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.5709	end: 13.904	delta: 0.3331
P2 start: 27.3184	end: 27.9619	delta: 0.6436
P3 start: 41.0429	end: 41.9612	delta: 0.9183
P4 start: 54.788	end: 55.9281	delta: 1.1401
P5 start: 68.5659	end: 69.8616	delta: 1.2957
P6 start: 82.3829	end: 83.7587	delta: 1.3758

H3: 0.00046989	H19: 0.000880056	H19f: 4.63187e-05
H5: 0.000634276	H21: 0.00063359	H21f: 3.01709e-05
H7: 0.000871859	H23: 0.000424379	H23f: 1.84513e-05
H9: 0.00090252	H25: -1.00019	H25f: -0.0400076
H11: 0.000991143	H27: 0.97504	H27f: 0.0361126
H13: 0.000977969	H29: 0.00926667	H29f: 0.00031954
H15: 0.000975794	H31: 0.00176592	H31f: 5.69651e-05
H17: 0.000908436	H33: 0.00248386	H33f: 7.52684e-05

c2sd = 0.09
 c2ed = 0.3504
 c3sd = 0.1169
 c3ed = 0.4871
 c4sd = 0.1288
 c4ed = 0.5873
 c5sd = 0.0042
 c5ed = 0.5233
 varx = 5.3896%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.110032
 Actual Power: 0.012107
 Distortion 2H-24H: 0.17421%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.5888	end: 13.9544	delta: 0.3656
P2 start: 27.2984	end: 28.006	delta: 0.7077
P3 start: 41.0021	end: 42.012	delta: 1.0099
P4 start: 54.7329	end: 55.987	delta: 1.254
P5 start: 68.5019	end: 69.9272	delta: 1.4253
P6 start: 82.3143	end: 83.8279	delta: 1.5136

H3: 0.000280256	H19: 0.000538053	H19f: 2.83186e-05
H5: 0.000430385	H21: 0.000371824	H21f: 1.77059e-05
H7: 0.000571284	H23: 0.000275708	H23f: 1.19873e-05
H9: 0.000595304	H25: -0.995511	H25f: -0.0398204
H11: 0.000624885	H27: 0.974629	H27f: 0.0360974
H13: 0.000643508	H29: 0.0105572	H29f: 0.000364043
H15: 0.000658636	H31: 0.00120174	H31f: 3.87656e-05
H17: 0.000590115	H33: 0.00161856	H33f: 4.90473e-05

c2sd = 0.0907
 c2ed = 0.3737
 c3sd = 0.1058
 c3ed = 0.5083
 c4sd = 0.1106
 c4ed = 0.6093
 c5sd = -0.0178
 c5ed = 0.5469
 varx = 5.3748%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.12011
 Actual Power: 0.0144264
 Distortion 2H-24H: 0.242137%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.5458	end: 13.9453	delta: 0.3996
P2 start: 27.2522	end: 28.0247	delta: 0.7725
P3 start: 40.9466	end: 42.0491	delta: 1.1025
P4 start: 54.6689	end: 56.0379	delta: 1.369
P5 start: 68.4323	end: 69.9882	delta: 1.5559
P6 start: 82.244	end: 83.8966	delta: 1.6526

H3: 0.000436184	H19: 0.000800682	H19f: 4.21412e-05
H5: 0.000636143	H21: 0.000607144	H21f: 2.89116e-05
H7: 0.000720304	H23: 0.000387102	H23f: 1.68305e-05
H9: 0.000875668	H25: -0.995737	H25f: -0.0398295
H11: 0.000789118	H27: 0.968654	H27f: 0.0358761
H13: 0.000906748	H29: 0.0127339	H29f: 0.000439098
H15: 0.000831804	H31: 0.00179811	H31f: 5.80036e-05
H17: 0.000828313	H33: 0.00213608	H33f: 6.47297e-05

c2sd = 0.0771
 c2ed = 0.3598
 c3sd = 0.0969
 c3ed = 0.4988
 c4sd = 0.1045
 c4ed = 0.6023
 c5sd = -0.0214
 c5ed = 0.5419
 varx = 5.3607%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.130073
 Actual Power: 0.016919
 Distortion 2H-24H: 0.187916%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.5471 end: 13.9791 delta: 0.432
 P2 start: 27.2269 end: 28.0631 delta: 0.8362
 P3 start: 40.9025 end: 42.0963 delta: 1.1937
 P4 start: 54.6116 end: 56.0942 delta: 1.4826
 P5 start: 68.3665 end: 70.0518 delta: 1.6853
 P6 start: 82.1747 end: 83.9643 delta: 1.7896

H3: 0.000332177	H19: 0.000570674	H19f: 3.00355e-05
H5: 0.000385193	H21: 0.000396745	H21f: 1.88926e-05
H7: 0.00062629	H23: 0.000306666	H23f: 1.33333e-05
H9: 0.000645618	H25: -0.991957	H25f: -0.0396783
H11: 0.000681786	H27: 0.966371	H27f: 0.0357915
H13: 0.000732273	H29: 0.0145061	H29f: 0.000500211
H15: 0.000660619	H31: 0.00117013	H31f: 3.77463e-05
H17: 0.000669971	H33: 0.00174136	H33f: 5.27686e-05

c2sd = 0.0901
 c2ed = 0.3598
 c3sd = 0.1077
 c3ed = 0.4911
 c4sd = 0.1154
 c4ed = 0.5903
 c5sd = -0.0094
 c5ed = 0.5278
 varx = 5.3438%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 14/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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:	0.14002
Actual Power:	0.0196055
Distortion 2H-24H:	0.120995%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 13.5554	end: 14.0197	delta: 0.4643
P2 start: 27.201	end: 28.1009	delta: 0.8999
P3 start: 40.858	end: 42.1428	delta: 1.2848
P4 start: 54.5547	end: 56.1504	delta: 1.5957
P5 start: 68.3017	end: 70.1159	delta: 1.8142
P6 start: 82.1057	end: 84.0325	delta: 1.9268

H3: 0.000222582	H19: 0.000385449	H19f: 2.02868e-05
H5: 0.000319998	H21: 0.000287751	H21f: 1.37024e-05
H7: 0.000387841	H23: 0.000234781	H23f: 1.02079e-05
H9: 0.000396143	H25: -0.987759	H25f: -0.0395103
H11: 0.000444491	H27: 0.964051	H27f: 0.0357056
H13: 0.000450153	H29: 0.0164327	H29f: 0.000566646
H15: 0.000405959	H31: 0.000994661	H31f: 3.20858e-05
H17: 0.000391389	H33: 0.0011326	H33f: 3.43213e-05

c2sd = 0.0922
c2ed = 0.3698
c3sd = 0.1031
c3ed = 0.4978
c4sd = 0.1082
c4ed = 0.5969
c5sd = -0.0177
c5ed = 0.5353
varx = 5.3257%.

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STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 15/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.150003
Actual Power: 0.022501
Distortion 2H-24H: 0.0659422%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 13.5582	end: 14.0548	delta: 0.4966
P2 start: 27.1743	end: 28.1381	delta: 0.9638
P3 start: 40.8131	end: 42.1892	delta: 1.3762
P4 start: 54.4967	end: 56.2061	delta: 1.7095
P5 start: 68.2358	end: 70.1794	delta: 1.9436
P6 start: 82.0364	end: 84.1008	delta: 2.0644

H3: 0.000137275	H19: 0.000198031	H19f: 1.04227e-05
H5: 0.00016382	H21: 0.000144142	H21f: 6.86388e-06
H7: 0.000213863	H23: 0.000141352	H23f: 6.14574e-06
H9: 0.000203608	H25: -0.98366	H25f: -0.0393464
H11: 0.000221919	H27: 0.96112	H27f: 0.035597
H13: 0.000244675	H29: 0.0185208	H29f: 0.000638649
H15: 0.000248782	H31: 0.000599248	H31f: 1.93306e-05
H17: 0.000225793	H33: 0.000614351	H33f: 1.86167e-05

c2sd = 0.0769
c2ed = 0.3955
c3sd = 0.0745
c3ed = 0.5278
c4sd = 0.0705
c4ed = 0.6323
c5sd = -0.0604
c5ed = 0.5757
varx = 5.3063%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.160026
 Actual Power: 0.0256082
 Distortion 2H-24H: 0.0492747%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.5459 end: 14.0753 delta: 0.5294
 P2 start: 27.1413 end: 28.1691 delta: 1.0278
 P3 start: 40.7644 end: 42.2323 delta: 1.4679
 P4 start: 54.4363 end: 56.2599 delta: 1.8237
 P5 start: 68.1684 end: 70.2421 delta: 2.0737
 P6 start: 81.9665 end: 84.1692 delta: 2.2027

H3: 8.64703e-05	H19: 0.000142398	H19f: 7.49461e-06
H5: 0.000118561	H21: 0.000117612	H21f: 5.60058e-06
H7: 0.000143763	H23: 0.00010157	H23f: 4.41611e-06
H9: 0.000169094	H25: -0.980584	H25f: -0.0392234
H11: 0.000179048	H27: 0.956634	H27f: 0.0354309
H13: 0.000183422	H29: 0.0208496	H29f: 0.000718952
H15: 0.000175059	H31: 0.000523487	H31f: 1.68867e-05
H17: 0.000176725	H33: 0.000423887	H33f: 1.28451e-05

c2sd = 0.0765
 c2ed = 0.3939
 c3sd = 0.0724
 c3ed = 0.5243
 c4sd = 0.0681
 c4ed = 0.6281
 c5sd = -0.0617
 c5ed = 0.5723
 varx = 5.2862%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.170002
 Actual Power: 0.0289008
 Distortion 2H-24H: 0.0291721%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.5352	end: 14.0973	delta: 0.562
P2 start: 27.1085	end: 28.2001	delta: 1.0916
P3 start: 40.7158	end: 42.275	delta: 1.5592
P4 start: 54.3762	end: 56.3135	delta: 1.9373
P5 start: 68.101	end: 70.3042	delta: 2.2032
P6 start: 81.8966	end: 84.237	delta: 2.3404

H3: 6.13072e-05	H19: 9.19608e-05	H19f: 4.84004e-06
H5: 7.66042e-05	H21: 6.19236e-05	H21f: 2.94874e-06
H7: 9.96773e-05	H23: 6.36233e-05	H23f: 2.76623e-06
H9: 9.59289e-05	H25: -0.977273	H25f: -0.0390909
H11: 9.2326e-05	H27: 0.951956	H27f: 0.0352576
H13: 0.000110744	H29: 0.0233637	H29f: 0.000805644
H15: 0.00010196	H31: 0.000438189	H31f: 1.41351e-05
H17: 9.38777e-05	H33: 0.000288747	H33f: 8.74991e-06

c2sd = 0.0773
 c2ed = 0.3912
 c3sd = 0.072
 c3ed = 0.5188
 c4sd = 0.0679
 c4ed = 0.6218
 c5sd = -0.0609
 c5ed = 0.5662
 varx = 5.2648%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.0247233%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.5181	end: 14.1129	delta: 0.5948
P2 start: 27.0732	end: 28.2287	delta: 1.1554
P3 start: 40.6655	end: 42.3162	delta: 1.6507
P4 start: 54.3148	end: 56.3661	delta: 2.0513
P5 start: 68.033	end: 70.3661	delta: 2.333
P6 start: 81.8264	end: 84.305	delta: 2.4786

H3: 3.79456e-05	H19: 7.81768e-05	H19f: 4.11457e-06
H5: 6.36643e-05	H21: 7.21368e-05	H21f: 3.43508e-06
H7: 6.70372e-05	H23: 4.10069e-05	H23f: 1.78291e-06
H9: 8.67595e-05	H25: -0.97427	H25f: -0.0389708
H11: 8.04906e-05	H27: 0.946471	H27f: 0.0350545
H13: 9.6518e-05	H29: 0.0260333	H29f: 0.000897701
H15: 8.90175e-05	H31: 0.000477924	H31f: 1.54169e-05
H17: 8.30339e-05	H33: 0.000215434	H33f: 6.5283e-06

c2sd = 0.0724
 c2ed = 0.3895
 c3sd = 0.0651
 c3ed = 0.5166
 c4sd = 0.0605
 c4ed = 0.6204
 c5sd = -0.0674
 c5ed = 0.5665
 varx = 5.2425%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.189999
 Actual Power: 0.0360996
 Distortion 2H-24H: 0.0235205%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.4999 end: 14.1275 delta: 0.6276
 P2 start: 27.0371 end: 28.2564 delta: 1.2193
 P3 start: 40.6146 end: 42.3567 delta: 1.7421
 P4 start: 54.2528 end: 56.418 delta: 2.1652
 P5 start: 67.9645 end: 70.4274 delta: 2.463
 P6 start: 81.756 end: 84.3728 delta: 2.6168

H3: 4.54017e-05	H19: 7.49454e-05	H19f: 3.94449e-06
H5: 6.12723e-05	H21: 5.85638e-05	H21f: 2.78875e-06
H7: 6.60769e-05	H23: 6.19635e-05	H23f: 2.69406e-06
H9: 7.98413e-05	H25: -0.971234	H25f: -0.0388494
H11: 8.02851e-05	H27: 0.940547	H27f: 0.0348351
H13: 8.29275e-05	H29: 0.028938	H29f: 0.000997861
H15: 8.06046e-05	H31: 0.000526807	H31f: 1.69938e-05
H17: 7.78415e-05	H33: 0.000209797	H33f: 6.35748e-06

c2sd = 0.0686
 c2ed = 0.3849
 c3sd = 0.0603
 c3ed = 0.511
 c4sd = 0.0558
 c4ed = 0.6149
 c5sd = -0.0706
 c5ed = 0.5625
 varx = 5.219%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.023726%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.4808 end: 14.1412 delta: 0.6603
 P2 start: 27.0007 end: 28.2838 delta: 1.2831
 P3 start: 40.5634 end: 42.3969 delta: 1.8335
 P4 start: 54.1905 end: 56.4697 delta: 2.2792
 P5 start: 67.8956 end: 70.4886 delta: 2.593
 P6 start: 81.6854 end: 84.4405 delta: 2.7551

H3: 5.38826e-05	H19: 8.11634e-05	H19f: 4.27176e-06
H5: 4.95568e-05	H21: 5.15336e-05	H21f: 2.45398e-06
H7: 7.12833e-05	H23: 5.40476e-05	H23f: 2.34989e-06
H9: 7.63548e-05	H25: -0.968065	H25f: -0.0387226
H11: 8.55843e-05	H27: 0.93429	H27f: 0.0346033
H13: 8.05612e-05	H29: 0.0319508	H29f: 0.00110175
H15: 8.76288e-05	H31: 0.00057873	H31f: 1.86687e-05
H17: 7.97748e-05	H33: 0.000223487	H33f: 6.77235e-06

c2sd = 0.0655
 c2ed = 0.3789
 c3sd = 0.0568
 c3ed = 0.5035
 c4sd = 0.0529
 c4ed = 0.6073
 c5sd = -0.0718
 c5ed = 0.5561
 varx = 5.1943%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.210008
 Actual Power: 0.0441035
 Distortion 2H-24H: 0.0138294%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.4655	end: 14.1584	delta: 0.6929
P2 start: 26.9656	end: 28.3124	delta: 1.3468
P3 start: 40.5126	end: 42.4375	delta: 1.9249
P4 start: 54.1285	end: 56.5217	delta: 2.3932
P5 start: 67.8269	end: 70.55	delta: 2.7231
P6 start: 81.6149	end: 84.5085	delta: 2.8936

H3: 2.62596e-05	H19: 3.90471e-05	H19f: 2.05511e-06
H5: 3.75103e-05	H21: 3.01315e-05	H21f: 1.43483e-06
H7: 3.52079e-05	H23: 2.91925e-05	H23f: 1.26924e-06
H9: 4.56131e-05	H25: -0.964419	H25f: -0.0385768
H11: 4.64198e-05	H27: 0.928051	H27f: 0.0343723
H13: 6.21281e-05	H29: 0.0350291	H29f: 0.0012079
H15: 5.23266e-05	H31: 0.000620789	H31f: 2.00255e-05
H17: 4.08775e-05	H33: 0.000115628	H33f: 3.50387e-06

c2sd = 0.0641
 c2ed = 0.3739
 c3sd = 0.0543
 c3ed = 0.4959
 c4sd = 0.0508
 c4ed = 0.5994
 c5sd = -0.0722
 c5ed = 0.5492
 varx = 5.1682%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.219999
 Actual Power: 0.0483996
 Distortion 2H-24H: 0.0166334%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.4454	end: 14.171	delta: 0.7256
P2 start: 26.9282	end: 28.3386	delta: 1.4104
P3 start: 40.4606	end: 42.4767	delta: 2.0161
P4 start: 54.0655	end: 56.5726	delta: 2.5071
P5 start: 67.7577	end: 70.6108	delta: 2.8531
P6 start: 81.5441	end: 84.5761	delta: 3.032

H3: 3.18513e-05	H19: 4.97832e-05	H19f: 2.62017e-06
H5: 4.3603e-05	H21: 4.68817e-05	H21f: 2.23246e-06
H7: 4.98714e-05	H23: 4.08853e-05	H23f: 1.77762e-06
H9: 5.35455e-05	H25: -0.961033	H25f: -0.0384413
H11: 5.51937e-05	H27: 0.921096	H27f: 0.0341147
H13: 6.2597e-05	H29: 0.0383118	H29f: 0.0013211
H15: 5.77694e-05	H31: 0.000755263	H31f: 2.43633e-05
H17: 5.24137e-05	H33: 0.000154793	H33f: 4.6907e-06

c2sd = 0.051
 c2ed = 0.3757
 c3sd = 0.0371
 c3ed = 0.5002
 c4sd = 0.0312
 c4ed = 0.6069
 c5sd = -0.0921
 c5ed = 0.5606
 varx = 5.1413%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.23
 Actual Power: 0.0529
 Distortion 2H-24H: 0.0123327%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.4278 end: 14.186 delta: 0.7582
 P2 start: 26.8917 end: 28.3657 delta: 1.474
 P3 start: 40.4089 end: 42.5163 delta: 2.1074
 P4 start: 54.0026 end: 56.6236 delta: 2.6211
 P5 start: 67.6883 end: 70.6716 delta: 2.9833
 P6 start: 81.4732 end: 84.6439 delta: 3.1707

H3: 2.30973e-05	H19: 3.73377e-05	H19f: 1.96514e-06
H5: 3.68896e-05	H21: 3.19591e-05	H21f: 1.52186e-06
H7: 4.00195e-05	H23: 3.50045e-05	H23f: 1.52194e-06
H9: 4.04019e-05	H25: -0.957258	H25f: -0.0382903
H11: 3.98953e-05	H27: 0.914076	H27f: 0.0338547
H13: 4.2235e-05	H29: 0.0416918	H29f: 0.00143765
H15: 3.95513e-05	H31: 0.000846616	H31f: 2.73102e-05
H17: 3.87413e-05	H33: 0.000125365	H33f: 3.79894e-06

c2sd = 0.0524
 c2ed = 0.3649
 c3sd = 0.0395
 c3ed = 0.4856
 c4sd = 0.0356
 c4ed = 0.5906
 c5sd = -0.0848
 c5ed = 0.5446
 varx = 5.1131%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 24/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.24
Actual Power: 0.0576
Distortion 2H-24H: 0.0112343%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 13.4088	end: 14.1996	delta: 0.7907
P2 start: 26.8545	end: 28.392	delta: 1.5375
P3 start: 40.3566	end: 42.5552	delta: 2.1986
P4 start: 53.9392	end: 56.6742	delta: 2.735
P5 start: 67.6185	end: 70.7321	delta: 3.1135
P6 start: 81.4022	end: 84.7116	delta: 3.3094

H3: 2.30835e-05	H19: 3.82617e-05	H19f: 2.01377e-06
H5: 3.10521e-05	H21: 3.15008e-05	H21f: 1.50004e-06
H7: 3.28409e-05	H23: 3.07139e-05	H23f: 1.33538e-06
H9: 3.67509e-05	H25: -0.953425	H25f: -0.038137
H11: 3.46971e-05	H27: 0.906659	H27f: 0.03358
H13: 3.56104e-05	H29: 0.0452058	H29f: 0.00155882
H15: 3.68282e-05	H31: 0.000968854	H31f: 3.12534e-05
H17: 3.82989e-05	H33: 0.00011376	H33f: 3.44727e-06

c2sd = 0.0472
c2ed = 0.3593
c3sd = 0.0329
c3ed = 0.4788
c4sd = 0.029
c4ed = 0.5844
c5sd = -0.0898
c5ed = 0.5404
varx = 5.0838%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.0144496%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.3882	end: 14.2115	delta: 0.8233
P2 start: 26.8164	end: 28.4174	delta: 1.601
P3 start: 40.3036	end: 42.5934	delta: 2.2898
P4 start: 53.8753	end: 56.7243	delta: 2.849
P5 start: 67.5483	end: 70.7921	delta: 3.2438
P6 start: 81.331	end: 84.7792	delta: 3.4482

H3: 3.65289e-05	H19: 5.68464e-05	H19f: 2.99191e-06
H5: 3.28456e-05	H21: 3.07756e-05	H21f: 1.46551e-06
H7: 4.95243e-05	H23: 4.06776e-05	H23f: 1.76859e-06
H9: 4.83341e-05	H25: -0.949565	H25f: -0.0379826
H11: 3.45787e-05	H27: 0.898815	H27f: 0.0332895
H13: 5.47816e-05	H29: 0.0488694	H29f: 0.00168515
H15: 3.84919e-05	H31: 0.00112763	H31f: 3.63752e-05
H17: 4.65346e-05	H33: 0.000162526	H33f: 4.92504e-06

c2sd = 0.0481
 c2ed = 0.3458
 c3sd = 0.0357
 c3ed = 0.4614
 c4sd = 0.0344
 c4ed = 0.5652
 c5sd = -0.0811
 c5ed = 0.5215
 varx = 5.0534%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.26
 Actual Power: 0.0676
 Distortion 2H-24H: 0.00952701%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.3703	end: 14.226	delta: 0.8557
P2 start: 26.7795	end: 28.4438	delta: 1.6643
P3 start: 40.2511	end: 42.632	delta: 2.3808
P4 start: 53.8114	end: 56.7744	delta: 2.963
P5 start: 67.4783	end: 70.8525	delta: 3.3742
P6 start: 81.2596	end: 84.8468	delta: 3.5872

H3: 2.58808e-05	H19: 3.2415e-05	H19f: 1.70605e-06
H5: 2.24754e-05	H21: 1.75967e-05	H21f: 8.37938e-07
H7: 3.34838e-05	H23: 2.17774e-05	H23f: 9.46844e-07
H9: 3.07131e-05	H25: -0.945307	H25f: -0.0378123
H11: 3.2718e-05	H27: 0.890938	H27f: 0.0329977
H13: 3.12545e-05	H29: 0.0525914	H29f: 0.0018135
H15: 3.01618e-05	H31: 0.00126634	H31f: 4.08498e-05
H17: 3.23309e-05	H33: 0.000111484	H33f: 3.37829e-06

c2sd = 0.0416
 c2ed = 0.3418
 c3sd = 0.0267
 c3ed = 0.4564
 c4sd = 0.0246
 c4ed = 0.5612
 c5sd = -0.0896
 c5ed = 0.5203
 varx = 5.0219%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.270001
 Actual Power: 0.0729005
 Distortion 2H-24H: 0.00540152%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.3521	end: 14.2401	delta: 0.888
P2 start: 26.7423	end: 28.4698	delta: 1.7276
P3 start: 40.1982	end: 42.6701	delta: 2.4718
P4 start: 53.7473	end: 56.8242	delta: 3.0769
P5 start: 67.4079	end: 70.9125	delta: 3.5047
P6 start: 81.1882	end: 84.9146	delta: 3.7264

H3: 1.05872e-05	H19: 1.48527e-05	H19f: 7.8172e-07
H5: 1.49533e-05	H21: 1.12163e-05	H21f: 5.3411e-07
H7: 1.77881e-05	H23: 1.10964e-05	H23f: 4.82453e-07
H9: 1.88634e-05	H25: -0.940915	H25f: -0.0376366
H11: 1.80656e-05	H27: 0.882752	H27f: 0.0326945
H13: 2.22051e-05	H29: 0.056425	H29f: 0.00194569
H15: 1.80451e-05	H31: 0.00143625	H31f: 4.63306e-05
H17: 1.71787e-05	H33: 6.84464e-05	H33f: 2.07413e-06

c2sd = 0.0446
 c2ed = 0.3275
 c3sd = 0.0314
 c3ed = 0.4369
 c4sd = 0.0321
 c4ed = 0.5394
 c5sd = -0.0783
 c5ed = 0.4987
 varx = 4.9892%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00704752%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.3317	end: 14.2522	delta: 0.9204
P2 start: 26.7037	end: 28.4945	delta: 1.7908
P3 start: 40.1445	end: 42.7072	delta: 2.5628
P4 start: 53.6824	end: 56.8733	delta: 3.1908
P5 start: 67.337	end: 70.9722	delta: 3.6352
P6 start: 81.1165	end: 84.9821	delta: 3.8656

H3: 1.58106e-05	H19: 1.8231e-05	H19f: 9.59524e-07
H5: 2.65618e-05	H21: 1.99536e-05	H21f: 9.50174e-07
H7: 2.06764e-05	H23: 2.15889e-05	H23f: 9.38646e-07
H9: 2.29179e-05	H25: -0.936555	H25f: -0.0374622
H11: 2.17571e-05	H27: 0.87409	H27f: 0.0323737
H13: 2.22878e-05	H29: 0.0604117	H29f: 0.00208316
H15: 2.26047e-05	H31: 0.00168153	H31f: 5.42428e-05
H17: 1.95148e-05	H33: 8.46135e-05	H33f: 2.56405e-06

c2sd = 0.043
 c2ed = 0.3153
 c3sd = 0.0304
 c3ed = 0.4213
 c4sd = 0.033
 c4ed = 0.5228
 c5sd = -0.0743
 c5ed = 0.4835
 varx = 4.9556%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.0841
 Distortion 2H-24H: 0.00877603%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.3111	end: 14.2638	delta: 0.9527
P2 start: 26.6651	end: 28.519	delta: 1.8539
P3 start: 40.0904	end: 42.7441	delta: 2.6537
P4 start: 53.6173	end: 56.9221	delta: 3.3048
P5 start: 67.2658	end: 71.0316	delta: 3.7658
P6 start: 81.0447	end: 85.0497	delta: 4.005

H3: 2.4163e-05	H19: 2.56184e-05	H19f: 1.34834e-06
H5: 2.14065e-05	H21: 2.43001e-05	H21f: 1.15715e-06
H7: 2.25804e-05	H23: 2.72388e-05	H23f: 1.1843e-06
H9: 2.80593e-05	H25: -0.932039	H25f: -0.0372816
H11: 2.26959e-05	H27: 0.865152	H27f: 0.0320427
H13: 3.60734e-05	H29: 0.064498	H29f: 0.00222407
H15: 2.92922e-05	H31: 0.00191669	H31f: 6.18287e-05
H17: 2.64464e-05	H33: 9.96654e-05	H33f: 3.02016e-06

c2sd = 0.0417
 c2ed = 0.3024
 c3sd = 0.0298
 c3ed = 0.4047
 c4sd = 0.0342
 c4ed = 0.5052
 c5sd = -0.0699
 c5ed = 0.4672
 varx = 4.921%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.3
 Actual Power: 0.09
 Distortion 2H-24H: 0.00525786%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.2924 end: 14.2773 delta: 0.9849
 P2 start: 26.627 end: 28.5439 delta: 1.9169
 P3 start: 40.0366 end: 42.7811 delta: 2.7445
 P4 start: 53.5521 end: 56.9709 delta: 3.4188
 P5 start: 67.1945 end: 71.091 delta: 3.8965
 P6 start: 80.9727 end: 85.1173 delta: 4.1445

H3: 1.34074e-05	H19: 1.48587e-05	H19f: 7.82035e-07
H5: 1.62407e-05	H21: 1.34435e-05	H21f: 6.40169e-07
H7: 1.57203e-05	H23: 2.18654e-05	H23f: 9.5067e-07
H9: 1.49533e-05	H25: -0.927214	H25f: -0.0370886
H11: 1.54772e-05	H27: 0.856105	H27f: 0.0317076
H13: 1.61122e-05	H29: 0.0686545	H29f: 0.00236739
H15: 1.74549e-05	H31: 0.00215837	H31f: 6.96249e-05
H17: 1.29164e-05	H33: 8.19163e-05	H33f: 2.48231e-06

c2sd = 0.0391
 c2ed = 0.2918
 c3sd = 0.0268
 c3ed = 0.3909
 c4sd = 0.0322
 c4ed = 0.4908
 c5sd = -0.0692
 c5ed = 0.4547
 varx = 4.8852%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.0034561%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.2727 end: 14.2897 delta: 1.017
 P2 start: 26.5885 end: 28.5683 delta: 1.9798
 P3 start: 39.9824 end: 42.8176 delta: 2.8352
 P4 start: 53.4865 end: 57.0192 delta: 3.5327
 P5 start: 67.1228 end: 71.1502 delta: 4.0273
 P6 start: 80.9006 end: 85.1848 delta: 4.2842

H3: 5.38581e-06	H19: 1.04624e-05	H19f: 5.50652e-07
H5: 8.37249e-06	H21: 7.71733e-06	H21f: 3.67492e-07
H7: 1.07017e-05	H23: 7.62103e-06	H23f: 3.31349e-07
H9: 1.0962e-05	H25: -0.922286	H25f: -0.0368915
H11: 1.25075e-05	H27: 0.846736	H27f: 0.0313606
H13: 1.27113e-05	H29: 0.0728965	H29f: 0.00251367
H15: 1.27627e-05	H31: 0.00242641	H31f: 7.82713e-05
H17: 1.23557e-05	H33: 7.28049e-05	H33f: 2.20621e-06

c2sd = 0.0409
 c2ed = 0.2759
 c3sd = 0.0302
 c3ed = 0.3698
 c4sd = 0.0383
 c4ed = 0.4675
 c5sd = -0.0592
 c5ed = 0.4322
 varx = 4.8485%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 32/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00851274%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 13.2504	end: 14.2997	delta: 1.0492
P2 start: 26.5487	end: 28.5914	delta: 2.0426
P3 start: 39.9271	end: 42.853	delta: 2.9259
P4 start: 53.4202	end: 57.0668	delta: 3.6467
P5 start: 67.0506	end: 71.2089	delta: 4.1582
P6 start: 80.8282	end: 85.2523	delta: 4.4241

H3: 2.31626e-05	H19: 2.29795e-05	H19f: 1.20945e-06
H5: 1.69806e-05	H21: 1.73239e-05	H21f: 8.24949e-07
H7: 1.239531e-05	H23: 1.90552e-05	H23f: 8.28489e-07
H9: 1.85775e-05	H25: -0.917416	H25f: -0.0366966
H11: 3.31161e-05	H27: 0.836875	H27f: 0.0309954
H13: 3.46618e-05	H29: 0.077277	H29f: 0.00266473
H15: 3.657e-05	H31: 0.00277397	H31f: 8.94829e-05
H17: 2.60038e-05	H33: 0.000118422	H33f: 3.58853e-06

c2sd = 0.0204
c2ed = 0.2797
c3sd = 0.0025
c3ed = 0.3776
c4sd = 0.0063
c4ed = 0.4807
c5sd = -0.0923
c5ed = 0.4518
varx = 4.8109%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.0054265%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.2312	end: 14.3124	delta: 1.0812
P2 start: 26.5098	end: 28.6151	delta: 2.1053
P3 start: 39.8724	end: 42.8888	delta: 3.0164
P4 start: 53.3539	end: 57.1145	delta: 3.7606
P5 start: 66.9784	end: 71.2676	delta: 4.2892
P6 start: 80.7557	end: 85.3199	delta: 4.5642

H3: 1.23419e-05	H19: 1.30116e-05	H19f: 6.84821e-07
H5: 1.59141e-05	H21: 1.31851e-05	H21f: 6.27861e-07
H7: 1.8135e-05	H23: 1.15786e-05	H23f: 5.03418e-07
H9: 1.81678e-05	H25: -0.91216	H25f: -0.0364864
H11: 1.88577e-05	H27: 0.827002	H27f: 0.0306297
H13: 1.91939e-05	H29: 0.0817009	H29f: 0.00281727
H15: 1.85051e-05	H31: 0.00311301	H31f: 0.00010042
H17: 1.83437e-05	H33: 0.00011001	H33f: 3.33365e-06

c2sd = 0.0277
 c2ed = 0.2572
 c3sd = 0.0139
 c3ed = 0.3473
 c4sd = 0.0222
 c4ed = 0.4462
 c5sd = -0.0709
 c5ed = 0.4169
 varx = 4.7722%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.340001
 Actual Power: 0.1156
 Distortion 2H-24H: 0.00611502%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.2105	end: 14.3237	delta: 1.1132
P2 start: 26.4701	end: 28.638	delta: 2.1679
P3 start: 39.817	end: 42.9238	delta: 3.1069
P4 start: 53.2871	end: 57.1616	delta: 3.8745
P5 start: 66.9057	end: 71.326	delta: 4.4203
P6 start: 80.683	end: 85.3874	delta: 4.7044

H3: 1.19789e-05	H19: 2.50581e-05	H19f: 1.31885e-06
H5: 1.73656e-05	H21: 1.71552e-05	H21f: 8.16912e-07
H7: 2.10454e-05	H23: 1.58575e-05	H23f: 6.89457e-07
H9: 2.08824e-05	H25: -0.906862	H25f: -0.0362745
H11: 1.69638e-05	H27: 0.816753	H27f: 0.0302501
H13: 1.52812e-05	H29: 0.0862216	H29f: 0.00297316
H15: 1.71722e-05	H31: 0.0034976	H31f: 0.000112826
H17: 2.06271e-05	H33: 0.000138281	H33f: 4.19033e-06

c2sd = 0.0231
 c2ed = 0.245
 c3sd = 0.0087
 c3ed = 0.3321
 c4sd = 0.0179
 c4ed = 0.4309
 c5sd = -0.0724
 c5ed = 0.4042
 varx = 4.7326%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 35/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.35
Actual Power: 0.1225
Distortion 2H-24H: 0.00636096%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 13.1897	end: 14.3348	delta: 1.1451
P2 start: 26.4304	end: 28.6608	delta: 2.2304
P3 start: 39.7612	end: 42.9585	delta: 3.1973
P4 start: 53.2199	end: 57.2084	delta: 3.9884
P5 start: 66.8327	end: 71.3842	delta: 4.5515
P6 start: 80.61	end: 85.4549	delta: 4.8448

H3: 1.63346e-05	H19: 2.29727e-05	H19f: 1.20909e-06
H5: 1.51782e-05	H21: 1.42076e-05	H21f: 6.76553e-07
H7: 2.00724e-05	H23: 1.9628e-05	H23f: 8.53389e-07
H9: 1.75874e-05	H25: -0.901408	H25f: -0.0360563
H11: 1.89629e-05	H27: 0.806261	H27f: 0.0298615
H13: 1.94815e-05	H29: 0.0908238	H29f: 0.00313185
H15: 2.51813e-05	H31: 0.0039059	H31f: 0.000125997
H17: 1.8673e-05	H33: 0.000147248	H33f: 4.46207e-06

c2sd = 0.0424
c2ed = 0.2088
c3sd = 0.0373
c3ed = 0.2823
c4sd = 0.0557
c4ed = 0.3726
c5sd = -0.0258
c5ed = 0.3427
varx = 4.6921%.

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STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 36/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	0.00572571%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 13.1692	end: 14.3461	delta: 1.1769
P2 start: 26.3905	end: 28.6833	delta: 2.2927
P3 start: 39.7052	end: 42.9928	delta: 3.2876
P4 start: 53.1525	end: 57.2548	delta: 4.1023
P5 start: 66.7594	end: 71.4422	delta: 4.6828
P6 start: 80.537	end: 85.5224	delta: 4.9855

H3: 1.30701e-05	H19: 1.97383e-05	H19f: 1.03886e-06
H5: 1.52204e-05	H21: 1.26686e-05	H21f: 6.03266e-07
H7: 1.67141e-05	H23: 1.50682e-05	H23f: 6.5514e-07
H9: 2.23691e-05	H25: -0.895778	H25f: -0.0358311
H11: 2.04101e-05	H27: 0.795545	H27f: 0.0294646
H13: 1.89403e-05	H29: 0.0954799	H29f: 0.00329241
H15: 1.65695e-05	H31: 0.00435046	H31f: 0.000140337
H17: 1.64059e-05	H33: 0.000155359	H33f: 4.70786e-06

c2sd = 0.0381
c2ed = 0.1957
c3sd = 0.0322
c3ed = 0.2658
c4sd = 0.0514
c4ed = 0.3558
c5sd = -0.0271
c5ed = 0.3287
varx = 4.6507%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00436647%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.1488	end: 14.3574	delta: 1.2086
P2 start: 26.3506	end: 28.7056	delta: 2.355
P3 start: 39.649	end: 43.0268	delta: 3.3777
P4 start: 53.0847	end: 57.3009	delta: 4.2162
P5 start: 66.6858	end: 71.5	delta: 4.8142
P6 start: 80.4636	end: 85.5899	delta: 5.1263

H3: 9.09324e-06	H19: 1.42066e-05	H19f: 7.47717e-07
H5: 1.15272e-05	H21: 9.35696e-06	H21f: 4.45569e-07
H7: 1.49438e-05	H23: 9.91666e-06	H23f: 4.31159e-07
H9: 1.6181e-05	H25: -0.889982	H25f: -0.0355993
H11: 1.57935e-05	H27: 0.784605	H27f: 0.0290594
H13: 1.34426e-05	H29: 0.100201	H29f: 0.00345522
H15: 1.60807e-05	H31: 0.00482419	H31f: 0.000155619
H17: 1.13776e-05	H33: 0.000162908	H33f: 4.9366e-06

c2sd = 0.0288
 c2ed = 0.1873
 c3sd = 0.0199
 c3ed = 0.2559
 c4sd = 0.0382
 c4ed = 0.3474
 c5sd = -0.0385
 c5ed = 0.3243
 varx = 4.6084%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.0056938%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.1272	end: 14.3675	delta: 1.2402
P2 start: 26.31	end: 28.7271	delta: 2.4171
P3 start: 39.5923	end: 43.06	delta: 3.4678
P4 start: 53.0164	end: 57.3465	delta: 4.3301
P5 start: 66.6117	end: 71.5575	delta: 4.9458
P6 start: 80.39	end: 85.6574	delta: 5.2673

H3: 8.5211e-06	H19: 1.88571e-05	H19f: 9.92481e-07
H5: 1.37003e-05	H21: 1.47978e-05	H21f: 7.04657e-07
H7: 2.03708e-05	H23: 1.04372e-05	H23f: 4.53791e-07
H9: 1.55111e-05	H25: -0.884119	H25f: -0.0353648
H11: 2.09699e-05	H27: 0.773333	H27f: 0.028642
H13: 1.96026e-05	H29: 0.104983	H29f: 0.00362009
H15: 2.2288e-05	H31: 0.00535519	H31f: 0.000172748
H17: 1.7939e-05	H33: 0.000195404	H33f: 5.92134e-06

c2sd = 0.0228
 c2ed = 0.1743
 c3sd = 0.0125
 c3ed = 0.2398
 c4sd = 0.0314
 c4ed = 0.3315
 c5sd = -0.0426
 c5ed = 0.3118
 varx = 4.5652%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00362182%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.107	end: 14.3787	delta: 1.2718
P2 start: 26.2696	end: 28.7487	delta: 2.4791
P3 start: 39.5354	end: 43.0932	delta: 3.5578
P4 start: 52.9478	end: 57.3918	delta: 4.4439
P5 start: 66.5374	end: 71.6148	delta: 5.0774
P6 start: 80.3163	end: 85.7249	delta: 5.4086

H3: 4.73508e-06	H19: 1.26587e-05	H19f: 6.6625e-07
H5: 1.12085e-05	H21: 1.00076e-05	H21f: 4.76552e-07
H7: 9.17364e-06	H23: 8.76511e-06	H23f: 3.81092e-07
H9: 1.25188e-05	H25: -0.878019	H25f: -0.0351208
H11: 1.18524e-05	H27: 0.761926	H27f: 0.0282195
H13: 1.35316e-05	H29: 0.109826	H29f: 0.00378709
H15: 1.24669e-05	H31: 0.00590812	H31f: 0.000190585
H17: 1.03248e-05	H33: 0.000196786	H33f: 5.96321e-06

c2sd = 0.0219
 c2ed = 0.1564
 c3sd = 0.0121
 c3ed = 0.2164
 c4sd = 0.033
 c4ed = 0.3066
 c5sd = -0.0369
 c5ed = 0.2891
 varx = 4.5212%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 40/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.0038083%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 13.0856	end: 14.3888	delta: 1.3032
P2 start: 26.2288	end: 28.7697	delta: 2.5409
P3 start: 39.4781	end: 43.1257	delta: 3.6476
P4 start: 52.8787	end: 57.4365	delta: 4.5578
P5 start: 66.4626	end: 71.6718	delta: 5.2092
P6 start: 80.2423	end: 85.7924	delta: 5.5501

H3: 4.6167e-06	H19: 1.31411e-05	H19f: 6.91638e-07
H5: 8.0065e-06	H21: 8.85395e-06	H21f: 4.21617e-07
H7: 1.0164e-05	H23: 8.82646e-06	H23f: 3.83759e-07
H9: 1.22901e-05	H25: -0.871839	H25f: -0.0348736
H11: 1.51782e-05	H27: 0.750215	H27f: 0.0277857
H13: 1.26534e-05	H29: 0.114713	H29f: 0.00395563
H15: 1.44572e-05	H31: 0.00650742	H31f: 0.000209917
H17: 1.3493e-05	H33: 0.000223499	H33f: 6.7727e-06

c2sd = 0.0627
c2ed = 0.0958
c3sd = 0.0716
c3ed = 0.1322
c4sd = 0.1091
c4ed = 0.2061
c5sd = 0.0537
c5ed = 0.1807
varx = 4.4764%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.000953157%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.0654 end: 14.4 delta: 1.3345
 P2 start: 26.1881 end: 28.7907 delta: 2.6026
 P3 start: 39.4206 end: 43.158 delta: 3.7373
 P4 start: 52.8094 end: 57.481 delta: 4.6716
 P5 start: 66.3875 end: 71.7286 delta: 5.3412
 P6 start: 80.168 end: 85.8599 delta: 5.6919

H3: 1.0489e-06	H19: 1.83151e-06	H19f: 9.63955e-08
H5: 2.07312e-06	H21: 2.27408e-06	H21f: 1.0829e-07
H7: 2.56496e-06	H23: 8.20878e-07	H23f: 3.56903e-08
H9: 3.80483e-06	H25: -0.865433	H25f: -0.0346173
H11: 3.44959e-06	H27: 0.738369	H27f: 0.027347
H13: 4.28577e-06	H29: 0.119644	H29f: 0.00412566
H15: 2.14716e-06	H31: 0.00714132	H31f: 0.000230365
H17: 4.50773e-06	H33: 0.000228851	H33f: 6.93487e-06

c2sd = 0.0612
 c2ed = 0.0776
 c3sd = 0.0703
 c3ed = 0.1084
 c4sd = 0.1096
 c4ed = 0.1808
 c5sd = 0.0581
 c5ed = 0.158
 varx = 4.4308%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00253317%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.0434	end: 14.4092	delta: 1.3659
P2 start: 26.1465	end: 28.8107	delta: 2.6642
P3 start: 39.3624	end: 43.1894	delta: 3.8269
P4 start: 52.7394	end: 57.5248	delta: 4.7854
P5 start: 66.3118	end: 71.785	delta: 5.4732
P6 start: 80.0935	end: 85.9274	delta: 5.8339

H3: 5.17986e-06	H19: 8.0646e-06	H19f: 4.24453e-07
H5: 6.86632e-06	H21: 6.90074e-06	H21f: 3.28607e-07
H7: 5.18846e-06	H23: 5.60933e-06	H23f: 2.43884e-07
H9: 8.59295e-06	H25: -0.859013	H25f: -0.0343605
H11: 8.11475e-06	H27: 0.726153	H27f: 0.0268946
H13: 8.85395e-06	H29: 0.124617	H29f: 0.00429714
H15: 9.14305e-06	H31: 0.00784863	H31f: 0.000253182
H17: 9.74678e-06	H33: 0.000274894	H33f: 8.33012e-06

c2sd = 0.0656
 c2ed = 0.0515
 c3sd = 0.0779
 c3ed = 0.0739
 c4sd = 0.1215
 c4ed = 0.1427
 c5sd = 0.0758
 c5ed = 0.1211
 varx = 4.3845%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.43
 Actual Power: 0.1849
 Distortion 2H-24H: 0.000702596%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.0225 end: 14.4195 delta: 1.397
 P2 start: 26.1052 end: 28.8308 delta: 2.7256
 P3 start: 39.3042 end: 43.2206 delta: 3.9164
 P4 start: 52.6692 end: 57.5684 delta: 4.8992
 P5 start: 66.2359 end: 71.8413 delta: 5.6054
 P6 start: 80.0187 end: 85.9949 delta: 5.9762

H3: 2.94151e-07	H19: 2.5266e-06	H19f: 1.32979e-07
H5: 1.69431e-06	H21: 2.37002e-06	H21f: 1.12858e-07
H7: 1.84055e-06	H23: 1.39658e-06	H23f: 6.07208e-08
H9: 1.92179e-06	H25: -0.852355	H25f: -0.0340942
H11: 1.9414e-06	H27: 0.713827	H27f: 0.026438
H13: 3.00034e-06	H29: 0.129613	H29f: 0.00446942
H15: 3.01211e-06	H31: 0.00857707	H31f: 0.00027668
H17: 1.87911e-06	H33: 0.000299981	H33f: 9.09033e-06

c2sd = 0.0578
 c2ed = 0.0381
 c3sd = 0.0676
 c3ed = 0.0573
 c4sd = 0.1108
 c4ed = 0.1268
 c5sd = 0.0677
 c5ed = 0.1095
 varx = 4.3375%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00248942%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 13.0021 end: 14.4301 delta: 1.428
 P2 start: 26.0639 end: 28.8507 delta: 2.7868
 P3 start: 39.2458 end: 43.2515 delta: 4.0057
 P4 start: 52.5986 end: 57.6115 delta: 5.0129
 P5 start: 66.1595 end: 71.8973 delta: 5.7378
 P6 start: 79.9436 end: 86.0624 delta: 6.1188

H3: -4.13951e-06	H19: -6.84471e-06	H19f: -3.60248e-07
H5: -4.38098e-06	H21: -4.43519e-06	H21f: -2.11199e-07
H7: -7.78622e-06	H23: -3.67456e-06	H23f: -1.59764e-07
H9: -1.07321e-05	H25: -0.845525	H25f: -0.033821
H11: -1.01449e-05	H27: 0.701324	H27f: 0.025975
H13: -8.54437e-06	H29: 0.134642	H29f: 0.00464281
H15: -1.00383e-05	H31: 0.00935082	H31f: 0.000301639
H17: -7.13254e-06	H33: 0.000314686	H33f: 9.53595e-06

c2sd = 0.0594
 c2ed = 0.0151
 c3sd = 0.0704
 c3ed = 0.0268
 c4sd = 0.1165
 c4ed = 0.0936
 c5sd = 0.0782
 c5ed = 0.0786
 varx = 4.2897%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 45/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	0.00057638%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 12.979	end: 14.4381	delta: 1.4591
P2 start: 26.0213	end: 28.8692	delta: 2.8479
P3 start: 39.1864	end: 43.2813	delta: 4.0949
P4 start: 52.5272	end: 57.6539	delta: 5.1267
P5 start: 66.0826	end: 71.9528	delta: 5.8703
P6 start: 79.8682	end: 86.1299	delta: 6.2617

H3: 6.74587e-07	H19: 1.38468e-06	H19f: 7.28778e-08
H5: 1.1468e-06	H21: 2.2165e-06	H21f: 1.05548e-07
H7: 1.51782e-06	H23: 1.05587e-06	H23f: 4.59076e-08
H9: 1.7989e-06	H25: -0.83873	H25f: -0.0335492
H11: 1.9471e-06	H27: 0.68841	H27f: 0.0254967
H13: 1.3362e-06	H29: 0.139681	H29f: 0.00481659
H15: 2.13619e-06	H31: 0.0102124	H31f: 0.000329432
H17: 2.79755e-06	H33: 0.000389318	H33f: 1.17975e-05

c2sd = 0.0393
c2ed = 0.0112
c3sd = 0.0432
c3ed = 0.0245
c4sd = 0.085
c4ed = 0.096
c5sd = 0.0467
c5ed = 0.0887
varx = 4.2413%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00113873%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.9568 end: 14.4468 delta: 1.49
 P2 start: 25.9789 end: 28.8877 delta: 2.9088
 P3 start: 39.1269 end: 43.3108 delta: 4.1839
 P4 start: 52.4555 end: 57.6958 delta: 5.2404
 P5 start: 66.0052 end: 72.0081 delta: 6.0029
 P6 start: 79.7925 end: 86.1974 delta: 6.4049

H3: 1.26485e-06	H19: 3.68167e-06	H19f: 1.93772e-07
H5: 2.44171e-06	H21: 3.17391e-06	H21f: 1.51138e-07
H7: 2.89894e-06	H23: 1.6498e-06	H23f: 7.17306e-08
H9: 3.97786e-06	H25: -0.831729	H25f: -0.0332692
H11: 3.29961e-06	H27: 0.675369	H27f: 0.0250137
H13: 4.68291e-06	H29: 0.144735	H29f: 0.00499085
H15: 4.06952e-06	H31: 0.0111113	H31f: 0.000358429
H17: 4.70679e-06	H33: 0.000448207	H33f: 1.3582e-05

c2sd = -0.0024
 c2ed = 0.029
 c3sd = -0.0153
 c3ed = 0.0529
 c4sd = 0.0146
 c4ed = 0.1367
 c5sd = -0.0292
 c5ed = 0.1425
 varx = 4.1922%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.470001
 Actual Power: 0.220901
 Distortion 2H-24H: 0.00276385%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.9364	end: 14.4571	delta: 1.5207
P2 start: 25.9369	end: 28.9065	delta: 2.9695
P3 start: 39.0673	end: 43.3401	delta: 4.2728
P4 start: 52.3835	end: 57.7375	delta: 5.354
P5 start: 65.9275	end: 72.0632	delta: 6.1357
P6 start: 79.7166	end: 86.265	delta: 6.5484

H3: -2.42205e-06	H19: -9.67119e-06	H19f: -5.0901e-07
H5: -4.42427e-06	H21: -5.96669e-06	H21f: -2.84128e-07
H7: -7.35841e-06	H23: -1.96572e-06	H23f: -8.54661e-08
H9: -5.74115e-06	H25: -0.824475	H25f: -0.032979
H11: -1.27414e-05	H27: 0.662263	H27f: 0.0245283
H13: -9.37767e-06	H29: 0.149809	H29f: 0.00516581
H15: -1.19703e-05	H31: 0.0120429	H31f: 0.000388482
H17: -1.11699e-05	H33: 0.000476874	H33f: 1.44507e-05

c2sd = 0.0304
 c2ed = -0.027
 c3sd = 0.0321
 c3ed = -0.0247
 c4sd = 0.0756
 c4ed = 0.0453
 c5sd = 0.0447
 c5ed = 0.046
 varx = 4.1424%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 48/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.479999
Actual Power: 0.230399
Distortion 2H-24H: 0.00244317%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 12.9141	end: 14.4655	delta: 1.5513
P2 start: 25.894	end: 28.9242	delta: 3.0301
P3 start: 39.007	end: 43.3685	delta: 4.3615
P4 start: 52.3108	end: 57.7784	delta: 5.4676
P5 start: 65.8492	end: 72.1179	delta: 6.2687
P6 start: 79.6403	end: 86.3325	delta: 6.6922

H3: -1.84458e-06	H19: -7.02325e-06	H19f: -3.69645e-07
H5: -5.15427e-06	H21: -2.90615e-06	H21f: -1.38388e-07
H7: -7.47618e-06	H23: -1.58106e-06	H23f: -6.87419e-08
H9: -8.59045e-06	H25: -0.817199	H25f: -0.032688
H11: -1.08662e-05	H27: 0.648834	H27f: 0.0240309
H13: -1.03985e-05	H29: 0.154867	H29f: 0.00534024
H15: -9.71828e-06	H31: 0.0130532	H31f: 0.000421072
H17: -7.50541e-06	H33: 0.000543627	H33f: 1.64736e-05

c2sd = 0.0258
c2ed = -0.0476
c3sd = 0.0266
c3ed = -0.0511
c4sd = 0.0711
c4ed = 0.0182
c5sd = 0.044
c5ed = 0.0231
varx = 4.0921%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00231904%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.8918 end: 14.4737 delta: 1.5819
 P2 start: 25.8509 end: 28.9414 delta: 3.0905
 P3 start: 38.9464 end: 43.3964 delta: 4.45
 P4 start: 52.2377 end: 57.8188 delta: 5.5811
 P5 start: 65.7703 end: 72.1722 delta: 6.4019
 P6 start: 79.5636 end: 86.4 delta: 6.8364

H3: -1.34229e-06	H19: -5.86912e-06	H19f: -3.08901e-07
H5: -4.67736e-06	H21: -4.69064e-06	H21f: -2.23364e-07
H7: -5.84117e-06	H23: -1.64307e-06	H23f: -7.14378e-08
H9: -8.53558e-06	H25: -0.809785	H25f: -0.0323914
H11: -9.58845e-06	H27: 0.635213	H27f: 0.0235264
H13: -9.26894e-06	H29: 0.159922	H29f: 0.00551455
H15: -1.04079e-05	H31: 0.0141205	H31f: 0.000455499
H17: -7.86241e-06	H33: 0.000621377	H33f: 1.88296e-05

c2sd = 0.0198
 c2ed = -0.0674
 c3sd = 0.0189
 c3ed = -0.0762
 c4sd = 0.0639
 c4ed = -0.0074
 c5sd = 0.0402
 c5ed = 0.0023
 varx = 4.0412%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.002221%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.8693 end: 14.4817 delta: 1.6124
 P2 start: 25.8076 end: 28.9583 delta: 3.1507
 P3 start: 38.8853 end: 43.4236 delta: 4.5383
 P4 start: 52.164 end: 57.8586 delta: 5.6946
 P5 start: 65.691 end: 72.2262 delta: 6.5352
 P6 start: 79.4866 end: 86.4676 delta: 6.981

H3: -3.03564e-06	H19: -5.09668e-06	H19f: -2.68246e-07
H5: -3.64277e-06	H21: -3.36811e-06	H21f: -1.60386e-07
H7: -6.00623e-06	H23: -2.74527e-06	H23f: -1.1936e-07
H9: -8.56725e-06	H25: -0.802236	H25f: -0.0320894
H11: -8.67917e-06	H27: 0.621409	H27f: 0.0230151
H13: -1.03329e-05	H29: 0.164959	H29f: 0.00568825
H15: -8.85395e-06	H31: 0.0152487	H31f: 0.000491893
H17: -7.48196e-06	H33: 0.000704121	H33f: 2.1337e-05

c2sd = 0.0081
 c2ed = -0.0823
 c3sd = 0.0033
 c3ed = -0.0943
 c4sd = 0.0466
 c4ed = -0.024
 c5sd = 0.0252
 c5ed = -0.008
 varx = 3.9897%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00197565%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.8466	end: 14.4893	delta: 1.6427
P2 start: 25.764	end: 28.9746	delta: 3.2107
P3 start: 38.8238	end: 43.4503	delta: 4.6265
P4 start: 52.0897	end: 57.8978	delta: 5.8081
P5 start: 65.6111	end: 72.2798	delta: 6.6687
P6 start: 79.4092	end: 86.5352	delta: 7.126

H3: -3.47214e-07	H19: -6.07755e-06	H19f: -3.19871e-07
H5: -3.33325e-06	H21: -4.22326e-06	H21f: -2.01107e-07
H7: -5.46331e-06	H23: -8.92836e-07	H23f: -3.88189e-08
H9: -6.41519e-06	H25: -0.794563	H25f: -0.0317825
H11: -7.22385e-06	H27: 0.607417	H27f: 0.0224969
H13: -9.53503e-06	H29: 0.169981	H29f: 0.00586141
H15: -7.88672e-06	H31: 0.0164396	H31f: 0.00053031
H17: -6.87134e-06	H33: 0.000794155	H33f: 2.40653e-05

c2sd = 0.0021
 c2ed = -0.1036
 c3sd = -0.0044
 c3ed = -0.1215
 c4sd = 0.0393
 c4ed = -0.0517
 c5sd = 0.0215
 c5ed = -0.0307
 varx = 3.9378%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.519999
 Actual Power: 0.270399
 Distortion 2H-24H: 0.00175204%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.8239	end: 14.4968	delta: 1.6729
P2 start: 25.7201	end: 28.9906	delta: 3.2705
P3 start: 38.7619	end: 43.4764	delta: 4.7144
P4 start: 52.015	end: 57.9365	delta: 5.9215
P5 start: 65.5306	end: 72.333	delta: 6.8024
P6 start: 79.3314	end: 86.6028	delta: 7.2714

H3: -1.2162e-06	H19: -5.37691e-06	H19f: -2.82995e-07
H5: -3.32754e-06	H21: -4.51733e-06	H21f: -2.15111e-07
H7: -4.27409e-06	H23: -2.56355e-06	H23f: -1.11459e-07
H9: -7.0702e-06	H25: -0.786754	H25f: -0.0314702
H11: -6.95227e-06	H27: 0.593254	H27f: 0.0219724
H13: -6.54505e-06	H29: 0.174969	H29f: 0.00603341
H15: -5.46806e-06	H31: 0.017692	H31f: 0.000570709
H17: -7.01392e-06	H33: 0.000894331	H33f: 2.71009e-05

c2sd = -0.0043
 c2ed = -0.1251
 c3sd = -0.0128
 c3ed = -0.1489
 c4sd = 0.0311
 c4ed = -0.0797
 c5sd = 0.0169
 c5ed = -0.0533
 varx = 3.8853%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.529999
 Actual Power: 0.280899
 Distortion 2H-24H: 0.00172492%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.8011	end: 14.504	delta: 1.703
P2 start: 25.6759	end: 29.0059	delta: 3.33
P3 start: 38.6996	end: 43.5018	delta: 4.8022
P4 start: 51.9396	end: 57.9744	delta: 6.0348
P5 start: 65.4495	end: 72.3858	delta: 6.9363
P6 start: 79.2531	end: 86.6704	delta: 7.4173

H3: -1.24099e-06	H19: -3.93398e-06	H19f: -2.07051e-07
H5: -2.89245e-06	H21: -5.01849e-06	H21f: -2.38976e-07
H7: -5.03213e-06	H23: -6.72374e-07	H23f: -2.92336e-08
H9: -4.48664e-06	H25: -0.778814	H25f: -0.0311526
H11: -5.84478e-06	H27: 0.57892	H27f: 0.0214415
H13: -8.41521e-06	H29: 0.179928	H29f: 0.00620442
H15: -6.50086e-06	H31: 0.0190109	H31f: 0.000613254
H17: -7.33642e-06	H33: 0.00100544	H33f: 3.04679e-05

c2sd = -0.0215
 c2ed = -0.1366
 c3sd = -0.0365
 c3ed = -0.1621
 c4sd = 0.0037
 c4ed = -0.0896
 c5sd = -0.0096
 c5ed = -0.0551
 varx = 3.8324%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 54/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.539999
Actual Power: 0.291599
Distortion 2H-24H: 0.0018375%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 12.7782	end: 14.5111	delta: 1.7329
P2 start: 25.6315	end: 29.0209	delta: 3.3894
P3 start: 38.6369	end: 43.5266	delta: 4.8897
P4 start: 51.8637	end: 58.0118	delta: 6.148
P5 start: 65.3678	end: 72.4383	delta: 7.0705
P6 start: 79.1745	end: 86.738	delta: 7.5635

H3: -7.02696e-07	H19: -5.41446e-06	H19f: -2.84972e-07
H5: -4.13185e-06	H21: -4.09571e-06	H21f: -1.95034e-07
H7: -4.13587e-06	H23: -2.49304e-06	H23f: -1.08393e-07
H9: -6.37111e-06	H25: -0.770742	H25f: -0.0308297
H11: -6.4648e-06	H27: 0.564429	H27f: 0.0209048
H13: -8.14046e-06	H29: 0.184842	H29f: 0.00637387
H15: -7.56101e-06	H31: 0.0203986	H31f: 0.000658019
H17: -6.69628e-06	H33: 0.00112224	H33f: 3.40071e-05

c2sd = -0.0094
c2ed = -0.1781
c3sd = -0.0185
c3ed = -0.218
c4sd = 0.0283
c4ed = -0.1527
c5sd = 0.0232
c5ed = -0.1171
varx = 3.779%.

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STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 55/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	0.00239824%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start:	12.7553	end:	14.518	delta:	1.7627
P2 start:	25.5869	end:	29.0354	delta:	3.4485
P3 start:	38.5737	end:	43.5507	delta:	4.977
P4 start:	51.7873	end:	58.0485	delta:	6.2612
P5 start:	65.2855	end:	72.4903	delta:	7.2048
P6 start:	79.0954	end:	86.8057	delta:	7.7103

H3: -4.69145e-06	H19: -5.89699e-06	H19f: -3.10368e-07
H5: -5.16059e-06	H21: -3.31161e-06	H21f: -1.57696e-07
H7: -6.84005e-06	H23: -3.74356e-06	H23f: -1.62763e-07
H9: -8.95361e-06	H25: -0.762529	H25f: -0.0305012
H11: -9.93483e-06	H27: 0.549787	H27f: 0.0203625
H13: -8.57622e-06	H29: 0.189709	H29f: 0.00654168
H15: -1.04684e-05	H31: 0.0218518	H31f: 0.000704896
H17: -7.61345e-06	H33: 0.00124855	H33f: 3.78348e-05

c2sd = -0.0381
c2ed = -0.1796
c3sd = -0.0588
c3ed = -0.2167
c4sd = -0.0199
c4ed = -0.1444
c5sd = -0.0269
c5ed = -0.0974
varx = 3.7252%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	0.00169825%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start:	12.7318	end:	14.5242	delta:	1.7924
P2 start:	25.5419	end:	29.0492	delta:	3.5074
P3 start:	38.51	end:	43.5741	delta:	5.064
P4 start:	51.7101	end:	58.0844	delta:	6.3743
P5 start:	65.2024	end:	72.5418	delta:	7.3393
P6 start:	79.0158	end:	86.8734	delta:	7.8576

H3: -2.89109e-06	H19: -5.02136e-06	H19f: -2.64282e-07
H5: -4.33663e-06	H21: -2.9169e-06	H21f: -1.389e-07
H7: -4.76255e-06	H23: -3.20533e-06	H23f: -1.39362e-07
H9: -6.50494e-06	H25: -0.754222	H25f: -0.0301689
H11: -5.21135e-06	H27: 0.534954	H27f: 0.0198131
H13: -7.0783e-06	H29: 0.194517	H29f: 0.00670747
H15: -7.3813e-06	H31: 0.0233826	H31f: 0.000754277
H17: -4.52795e-06	H33: 0.00139569	H33f: 4.22937e-05

c2sd = -0.0182
c2ed = -0.2308
c3sd = -0.0295
c3ed = -0.2864
c4sd = 0.0186
c4ed = -0.2242
c5sd = 0.0219
c5ed = -0.1777
varx = 3.6711%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.569999
 Actual Power: 0.324899
 Distortion 2H-24H: 0.00153794%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.7084	end: 14.5303	delta: 1.8219
P2 start: 25.4965	end: 29.0625	delta: 3.566
P3 start: 38.4459	end: 43.5967	delta: 5.1508
P4 start: 51.6323	end: 58.1195	delta: 6.4872
P5 start: 65.1187	end: 72.5928	delta: 7.4741
P6 start: 78.9357	end: 86.9411	delta: 8.0054

H3: -3.01789e-06	H19: -3.67192e-06	H19f: -1.93259e-07
H5: -2.82262e-06	H21: -1.49627e-06	H21f: -7.12507e-08
H7: -4.56488e-06	H23: -3.24172e-06	H23f: -1.40945e-07
H9: -6.30207e-06	H25: -0.745778	H25f: -0.0298311
H11: -6.40293e-06	H27: 0.519987	H27f: 0.0192588
H13: -6.31914e-06	H29: 0.199262	H29f: 0.0068711
H15: -5.37007e-06	H31: 0.0249852	H31f: 0.000805973
H17: -4.78529e-06	H33: 0.00155519	H33f: 4.7127e-05

c2sd = -0.0235
 c2ed = -0.2575
 c3sd = -0.0365
 c3ed = -0.321
 c4sd = 0.012
 c4ed = -0.2602
 c5sd = 0.0193
 c5ed = -0.2078
 varx = 3.6166%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00119916%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.6848	end: 14.5361	delta: 1.8513
P2 start: 25.4509	end: 29.0753	delta: 3.6244
P3 start: 38.3812	end: 43.6186	delta: 5.2374
P4 start: 51.5538	end: 58.1539	delta: 6.6001
P5 start: 65.0342	end: 72.6433	delta: 7.6091
P6 start: 78.8551	end: 87.0088	delta: 8.1538

H3: -4.36155e-08	H19: -2.2175e-06	H19f: -1.16711e-07
H5: -1.93653e-06	H21: -2.5297e-06	H21f: -1.20462e-07
H7: -3.4207e-06	H23: -6.48544e-07	H23f: -2.81976e-08
H9: -4.18709e-06	H25: -0.737212	H25f: -0.0294885
H11: -5.06733e-06	H27: 0.504868	H27f: 0.0186988
H13: -5.71699e-06	H29: 0.203939	H29f: 0.00703239
H15: -3.96029e-06	H31: 0.0266633	H31f: 0.000860106
H17: -5.00296e-06	H33: 0.0017303	H33f: 5.24334e-05

c2sd = 0.0582
 c2ed = -0.372
 c3sd = 0.081
 c3ed = -0.4812
 c4sd = 0.16
 c4ed = -0.4522
 c5sd = 0.1928
 c5ed = -0.4153
 varx = 3.5618%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.0013705%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.6613	end: 14.5418	delta: 1.8805
P2 start: 25.4051	end: 29.0876	delta: 3.6825
P3 start: 38.3161	end: 43.6397	delta: 5.3236
P4 start: 51.4747	end: 58.1875	delta: 6.7128
P5 start: 64.949	end: 72.6933	delta: 7.7443
P6 start: 78.7739	end: 87.0766	delta: 8.3027

H3: -2.18669e-06	H19: -2.59966e-06	H19f: -1.36824e-07
H5: -2.16096e-06	H21: -2.69508e-06	H21f: -1.28337e-07
H7: -4.94302e-06	H23: -1.6554e-06	H23f: -7.19738e-08
H9: -5.08798e-06	H25: -0.728507	H25f: -0.0291403
H11: -5.7883e-06	H27: 0.489631	H27f: 0.0181345
H13: -5.84766e-06	H29: 0.208535	H29f: 0.00719088
H15: -4.63064e-06	H31: 0.0284124	H31f: 0.000916529
H17: -4.7063e-06	H33: 0.00191352	H33f: 5.79855e-05

c2sd = -0.097
 c2ed = -0.2503
 c3sd = -0.1406
 c3ed = -0.3035
 c4sd = -0.1137
 c4ed = -0.224
 c5sd = -0.1142
 c5ed = -0.1435
 varx = 3.5067%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 60/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.599998
Actual Power: 0.359998
Distortion 2H-24H: 0.00165209%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 12.6376	end: 14.5472	delta: 1.9096
P2 start: 25.3589	end: 29.0993	delta: 3.7404
P3 start: 38.2505	end: 43.6601	delta: 5.4096
P4 start: 51.3949	end: 58.2203	delta: 6.8254
P5 start: 64.863	end: 72.7428	delta: 7.8797
P6 start: 78.6922	end: 87.1444	delta: 8.4523

H3: -2.61403e-06	H19: -3.92771e-06	H19f: -2.06721e-07
H5: -3.16214e-06	H21: -2.77063e-06	H21f: -1.31935e-07
H7: -4.66189e-06	H23: -1.28685e-06	H23f: -5.59501e-08
H9: -7.05508e-06	H25: -0.719681	H25f: -0.0287872
H11: -5.13991e-06	H27: 0.474264	H27f: 0.0175653
H13: -7.82264e-06	H29: 0.213046	H29f: 0.00734641
H15: -6.44232e-06	H31: 0.030243	H31f: 0.00097558
H17: -5.54304e-06	H33: 0.00211386	H33f: 6.40563e-05

c2sd = -0.0258
c2ed = -0.356
c3sd = -0.0383
c3ed = -0.4511
c4sd = 0.0152
c4ed = -0.4001
c5sd = 0.0377
c5ed = -0.332
varx = 3.4514%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	0.00104111%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start:	12.6134	end:	14.5519	delta:	1.9385
P2 start:	25.3123	end:	29.1102	delta:	3.7979
P3 start:	38.1843	end:	43.6795	delta:	5.4952
P4 start:	51.3142	end:	58.2521	delta:	6.9379
P5 start:	64.7761	end:	72.7916	delta:	8.0155
P6 start:	78.6098	end:	87.2123	delta:	8.6025

H3: -1.86617e-06	H19: -2.35727e-06	H19f: -1.24067e-07
H5: -2.13988e-06	H21: -1.91949e-06	H21f: -9.14043e-08
H7: -2.87924e-06	H23: -1.1792e-06	H23f: -5.12697e-08
H9: -3.91205e-06	H25: -0.710745	H25f: -0.0284298
H11: -4.5806e-06	H27: 0.458739	H27f: 0.0169903
H13: -4.2587e-06	H29: 0.217458	H29f: 0.00749854
H15: -3.87334e-06	H31: 0.0321548	H31f: 0.00103725
H17: -3.46157e-06	H33: 0.00233798	H33f: 7.08479e-05

c2sd = -0.1057
c2ed = -0.3117
c3sd = -0.1522
c3ed = -0.384
c4sd = -0.1247
c4ed = -0.309
c5sd = -0.1167
c5ed = -0.2156
varx = 3.3958%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.619999
 Actual Power: 0.384399
 Distortion 2H-24H: 0.000574271%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.5892	end: 14.5565	delta: 1.9673
P2 start: 25.2654	end: 29.1206	delta: 3.8552
P3 start: 38.1176	end: 43.6981	delta: 5.5806
P4 start: 51.2329	end: 58.283	delta: 7.0502
P5 start: 64.6884	end: 72.8398	delta: 8.1514
P6 start: 78.5267	end: 87.2802	delta: 8.7535

H3: -4.08017e-08	H19: -1.57194e-06	H19f: -8.27336e-08
H5: -9.7924e-07	H21: -7.46088e-07	H21f: -3.5528e-08
H7: -1.39891e-06	H23: -8.94089e-07	H23f: -3.88734e-08
H9: -1.82247e-06	H25: -0.701688	H25f: -0.0280675
H11: -1.8472e-06	H27: 0.443101	H27f: 0.0164112
H13: -2.84356e-06	H29: 0.221766	H29f: 0.00764709
H15: -2.35834e-06	H31: 0.0341494	H31f: 0.00110159
H17: -2.4193e-06	H33: 0.00258032	H33f: 7.81916e-05

c2sd = -0.0871
 c2ed = -0.3669
 c3sd = -0.1252
 c3ed = -0.4591
 c4sd = -0.0894
 c4ed = -0.3947
 c5sd = -0.0716
 c5ed = -0.3002
 varx = 3.34%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00130666%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.5653 end: 14.5611 delta: 1.9958
 P2 start: 25.2183 end: 29.1305 delta: 3.9122
 P3 start: 38.0504 end: 43.7159 delta: 5.6656
 P4 start: 51.1507 end: 58.313 delta: 7.1623
 P5 start: 64.5997 end: 72.8874 delta: 8.2877
 P6 start: 78.4429 end: 87.3481 delta: 8.9052

H3: -2.28878e-06	H19: -3.67726e-06	H19f: -1.9354e-07
H5: -1.01188e-06	H21: -1.28493e-06	H21f: -6.1187e-08
H7: -4.56034e-06	H23: -6.28497e-07	H23f: -2.7326e-08
H9: -4.89878e-06	H25: -0.69248	H25f: -0.0276992
H11: -5.04845e-06	H27: 0.427378	H27f: 0.0158288
H13: -6.09723e-06	H29: 0.225973	H29f: 0.00779216
H15: -5.36457e-06	H31: 0.0362215	H31f: 0.00116844
H17: -3.55717e-06	H33: 0.00283281	H33f: 8.58428e-05

c2sd = -0.1676
 c2ed = -0.3236
 c3sd = -0.2402
 c3ed = -0.3935
 c4sd = -0.231
 c4ed = -0.3052
 c5sd = -0.228
 c5ed = -0.1849
 varx = 3.2841%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 64/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	0.00142754%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start:	12.5409	end:	14.5652	delta:	2.0242
P2 start:	25.1708	end:	29.1397	delta:	3.9689
P3 start:	37.9825	end:	43.7327	delta:	5.7502
P4 start:	51.0677	end:	58.342	delta:	7.2742
P5 start:	64.5101	end:	72.9342	delta:	8.4241
P6 start:	78.3584	end:	87.4161	delta:	9.0576

H3: -9.09111e-07	H19: -3.63228e-06	H19f: -1.91173e-07
H5: -2.79848e-06	H21: -2.01021e-06	H21f: -9.57242e-08
H7: -2.86285e-06	H23: -8.24902e-07	H23f: -3.58653e-08
H9: -4.94082e-06	H25: -0.683164	H25f: -0.0273266
H11: -5.75651e-06	H27: 0.411529	H27f: 0.0152418
H13: -6.72256e-06	H29: 0.230054	H29f: 0.0079329
H15: -5.72345e-06	H31: 0.0383817	H31f: 0.00123812
H17: -5.78948e-06	H33: 0.00311259	H33f: 9.43209e-05

c2sd = -0.1622
c2ed = -0.3673
c3sd = -0.2323
c3ed = -0.4524
c4sd = -0.2199
c4ed = -0.3704
c5sd = -0.2104
c5ed = -0.2453
varx = 3.228%.

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STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 65/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00106541%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 12.5162	end: 14.5687	delta: 2.0525
P2 start: 25.1229	end: 29.1481	delta: 4.0252
P3 start: 37.9141	end: 43.7485	delta: 5.8345
P4 start: 50.9839	end: 58.3698	delta: 7.3859
P5 start: 64.4194	end: 72.9803	delta: 8.5609
P6 start: 78.2731	end: 87.4841	delta: 9.211

H3: -1.82917e-06	H19: -4.22777e-06	H19f: -2.22514e-07
H5: -1.75133e-06	H21: -3.1246e-06	H21f: -1.4879e-07
H7: -4.50342e-06	H23: -2.43663e-06	H23f: -1.05941e-07
H9: -3.85293e-06	H25: -0.673734	H25f: -0.0269493
H11: -3.36468e-06	H27: 0.395564	H27f: 0.0146505
H13: -3.04462e-06	H29: 0.234004	H29f: 0.00806911
H15: -2.88775e-06	H31: 0.0406245	H31f: 0.00131047
H17: -3.07685e-06	H33: 0.00341345	H33f: 0.000103438

c2sd = -0.1486
c2ed = -0.4203
c3sd = -0.2129
c3ed = -0.5245
c4sd = -0.1945
c4ed = -0.4518
c5sd = -0.1766
c5ed = -0.3237
varx = 3.1718%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	0.000469638%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start:	12.4913	end:	14.5718	delta:	2.0805
P2 start:	25.0746	end:	29.1558	delta:	4.0812
P3 start:	37.845	end:	43.7633	delta:	5.9183
P4 start:	50.8991	end:	58.3965	delta:	7.4974
P5 start:	64.3276	end:	73.0255	delta:	8.6979
P6 start:	78.187	end:	87.5522	delta:	9.3652

H3: -7.28247e-07	H19: -9.31994e-07	H19f: -4.90523e-08
H5: -1.19586e-06	H21: -8.76086e-07	H21f: -4.17184e-08
H7: -1.16629e-06	H23: -3.09963e-07	H23f: -1.34767e-08
H9: -1.87811e-06	H25: -0.66419	H25f: -0.0265676
H11: -1.48437e-06	H27: 0.379487	H27f: 0.0140551
H13: -2.14051e-06	H29: 0.237815	H29f: 0.00820052
H15: -1.53315e-06	H31: 0.0429623	H31f: 0.00138588
H17: -2.08328e-06	H33: 0.00374638	H33f: 0.000113527

c2sd = -0.1807
c2ed = -0.429
c3sd = -0.2587
c3ed = -0.5331
c4sd = -0.2503
c4ed = -0.4542
c5sd = -0.2353
c5ed = -0.3115
varx = 3.1155%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.67
 Actual Power: 0.4489
 Distortion 2H-24H: 0.00105932%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.4667 end: 14.575 delta: 2.1084
 P2 start: 25.026 end: 29.1629 delta: 4.1368
 P3 start: 37.7753 end: 43.7771 delta: 6.0018
 P4 start: 50.8134 end: 58.422 delta: 7.6086
 P5 start: 64.2347 end: 73.07 delta: 8.8352
 P6 start: 78.0999 end: 87.6203 delta: 9.5203

H3: -1.47251e-06	H19: -2.59925e-06	H19f: -1.36803e-07
H5: -1.94825e-06	H21: -6.79621e-07	H21f: -3.23629e-08
H7: -3.72173e-06	H23: -1.73353e-06	H23f: -7.53707e-08
H9: -4.0148e-06	H25: -0.654498	H25f: -0.0261799
H11: -4.73675e-06	H27: 0.363354	H27f: 0.0134576
H13: -4.02545e-06	H29: 0.241489	H29f: 0.00832721
H15: -3.86629e-06	H31: 0.0453842	H31f: 0.00146401
H17: -3.53136e-06	H33: 0.00409433	H33f: 0.000124071

c2sd = -0.1994
 c2ed = -0.4516
 c3sd = -0.2857
 c3ed = -0.5619
 c4sd = -0.283
 c4ed = -0.4816
 c5sd = -0.2678
 c5ed = -0.3274
 varx = 3.0591%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00126464%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.4417 end: 14.5777 delta: 2.136
 P2 start: 24.9771 end: 29.1692 delta: 4.1921
 P3 start: 37.705 end: 43.7897 delta: 6.0848
 P4 start: 50.7267 end: 58.4462 delta: 7.7195
 P5 start: 64.1406 end: 73.1135 delta: 8.9728
 P6 start: 87.0119 end: 87.6884 delta: 9.6765

H3: -1.56246e-06	H19: -2.84298e-06	H19f: -1.4963e-07
H5: -2.32137e-06	H21: -2.77417e-06	H21f: -1.32103e-07
H7: -4.22502e-06	H23: -4.56122e-07	H23f: -1.98314e-08
H9: -4.61298e-06	H25: -0.644691	H25f: -0.0257877
H11: -5.33672e-06	H27: 0.347118	H27f: 0.0128562
H13: -5.57164e-06	H29: 0.245007	H29f: 0.00844853
H15: -4.5237e-06	H31: 0.0478978	H31f: 0.00154509
H17: -4.1228e-06	H33: 0.00447235	H33f: 0.000135526

c2sd = -0.193
 c2ed = -0.5008
 c3sd = -0.2768
 c3ed = -0.6285
 c4sd = -0.2711
 c4ed = -0.556
 c5sd = -0.2496
 c5ed = -0.3963
 varx = 3.0028%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.000953978%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.4163	end: 14.5798	delta: 2.1635
P2 start: 24.9276	end: 29.1746	delta: 4.247
P3 start: 37.6339	end: 43.8012	delta: 6.1673
P4 start: 50.639	end: 58.4691	delta: 7.8301
P5 start: 64.0452	end: 73.156	delta: 9.1107
P6 start: 77.9229	end: 87.7567	delta: 9.8338

H3: -8.79896e-07	H19: -2.63969e-06	H19f: -1.38931e-07
H5: -1.09987e-06	H21: -1.26747e-06	H21f: -6.03556e-08
H7: -3.07963e-06	H23: -3.82563e-08	H23f: -1.66332e-09
H9: -2.68857e-06	H25: -0.634774	H25f: -0.025391
H11: -4.55946e-06	H27: 0.330784	H27f: 0.0122513
H13: -3.84108e-06	H29: 0.248354	H29f: 0.00856392
H15: -4.54613e-06	H31: 0.0505082	H31f: 0.0016293
H17: -2.7432e-06	H33: 0.00488406	H33f: 0.000148002

c2sd = -0.1883
 c2ed = -0.5494
 c3sd = -0.2705
 c3ed = -0.6944
 c4sd = -0.2626
 c4ed = -0.6293
 c5sd = -0.2354
 c5ed = -0.4634
 varx = 2.9464%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 70/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.699999
Actual Power: 0.489999
Distortion 2H-24H: 0.00181213%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 12.3913	end: 14.582	delta: 2.1907
P2 start: 24.8779	end: 29.1794	delta: 4.3015
P3 start: 37.5622	end: 43.8115	delta: 6.2493
P4 start: 50.5502	end: 58.4906	delta: 7.9404
P5 start: 63.9485	end: 73.1974	delta: 9.2489
P6 start: 77.8327	end: 87.825	delta: 9.9923

H3: -3.25247e-07	H19: -4.82736e-06	H19f: -2.54071e-07
H5: -1.58287e-06	H21: -4.49151e-06	H21f: -2.13882e-07
H7: -4.3831e-06	H23: -8.76754e-07	H23f: -3.81197e-08
H9: -5.42079e-06	H25: -0.624712	H25f: -0.0249885
H11: -7.9932e-06	H27: 0.314406	H27f: 0.0116447
H13: -7.58077e-06	H29: 0.251538	H29f: 0.00867373
H15: -8.03e-06	H31: 0.0532098	H31f: 0.00171645
H17: -6.86208e-06	H33: 0.00532041	H33f: 0.000161225

c2sd = -0.2525
c2ed = -0.5301
c3sd = -0.3629
c3ed = -0.6634
c4sd = -0.3771
c4ed = -0.5821
c5sd = -0.3615
c5ed = -0.3926
varx = 2.8901%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.709999
 Actual Power: 0.504099
 Distortion 2H-24H: 0.00152079%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.3655 end: 14.5833 delta: 2.2177
 P2 start: 24.8276 end: 29.1832 delta: 4.3556
 P3 start: 37.4897 end: 43.8205 delta: 6.3308
 P4 start: 50.4602 end: 58.5105 delta: 8.0502
 P5 start: 63.8503 end: 73.2377 delta: 9.3874
 P6 start: 77.7413 end: 87.8933 delta: 10.152

H3: -1.24704e-06	H19: -4.78187e-06	H19f: -2.51677e-07
H5: -1.90262e-06	H21: -2.92163e-06	H21f: -1.39125e-07
H7: -3.20667e-06	H23: -5.57681e-07	H23f: -2.4247e-08
H9: -4.88126e-06	H25: -0.614544	H25f: -0.0245818
H11: -6.06351e-06	H27: 0.297923	H27f: 0.0110342
H13: -6.20777e-06	H29: 0.254525	H29f: 0.00877673
H15: -6.83376e-06	H31: 0.0560096	H31f: 0.00180676
H17: -6.18698e-06	H33: 0.00579409	H33f: 0.000175578

c2sd = -0.2598
 c2ed = -0.5693
 c3sd = -0.374
 c3ed = -0.7159
 c4sd = -0.3906
 c4ed = -0.6387
 c5sd = -0.3725
 c5ed = -0.4395
 varx = 2.8338%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 72/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00140647%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 12.3397	end: 14.5842	delta: 2.2445
P2 start: 24.7769	end: 29.1862	delta: 4.4093
P3 start: 37.4164	end: 43.8282	delta: 6.4118
P4 start: 50.3691	end: 58.5288	delta: 8.1597
P5 start: 63.7506	end: 73.2767	delta: 9.5262
P6 start: 77.6486	end: 87.9617	delta: 10.3131

H3: -1.15945e-06	H19: -2.68503e-06	H19f: -1.41317e-07
H5: -2.55078e-06	H21: -3.22236e-06	H21f: -1.53446e-07
H7: -4.08065e-06	H23: 1.92477e-07	H23f: 8.36857e-09
H9: -4.954e-06	H25: -0.604248	H25f: -0.0241699
H11: -4.67611e-06	H27: 0.281374	H27f: 0.0104212
H13: -6.59181e-06	H29: 0.257319	H29f: 0.00887308
H15: -5.71993e-06	H31: 0.0589053	H31f: 0.00190017
H17: -5.75383e-06	H33: 0.00630331	H33f: 0.000191009

c2sd = -0.2856
c2ed = -0.5913
c3sd = -0.4117
c3ed = -0.7438
c4sd = -0.4375
c4ed = -0.6646
c5sd = -0.4218
c5ed = -0.4509
varx = 2.7776%.

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STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 73/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	0.000918687%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start:	12.3134	end:	14.5845	delta:	2.2711
P2 start:	24.7257	end:	29.1882	delta:	4.4625
P3 start:	37.3422	end:	43.8344	delta:	6.4922
P4 start:	50.2767	end:	58.5453	delta:	8.2687
P5 start:	63.6492	end:	73.3144	delta:	9.6652
P6 start:	77.5545	end:	88.0302	delta:	10.4758

H3: -2.11386e-06	H19: -2.54976e-06	H19f: -1.34198e-07
H5: -1.60099e-06	H21: -1.82178e-06	H21f: -8.67514e-08
H7: -3.92079e-06	H23: -7.50322e-07	H23f: -3.26227e-08
H9: -2.12541e-06	H25: -0.59383	H25f: -0.0237532
H11: -3.69531e-06	H27: 0.264755	H27f: 0.00980573
H13: -2.93488e-06	H29: 0.259903	H29f: 0.00896217
H15: -3.99901e-06	H31: 0.0619014	H31f: 0.00199682
H17: -2.97204e-06	H33: 0.00685124	H33f: 0.000207613

c2sd = -0.3073
c2ed = -0.6188
c3sd = -0.4435
c3ed = -0.7799
c4sd = -0.4773
c4ed = -0.7007
c5sd = -0.4633
c5ed = -0.4732
varx = 2.7216%.

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STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 74/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	0.000783013%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start:	12.2871	end:	14.5845	delta:	2.2974
P2 start:	24.674	end:	29.1893	delta:	4.5152
P3 start:	37.2673	end:	43.8392	delta:	6.5719
P4 start:	50.183	end:	58.5601	delta:	8.3771
P5 start:	63.5461	end:	73.3506	delta:	9.8045
P6 start:	77.4588	end:	88.0988	delta:	10.64

H3: -1.36741e-06	H19: -1.26305e-06	H19f: -6.64763e-08
H5: -7.38399e-07	H21: -1.88507e-06	H21f: -8.9765e-08
H7: -3.09131e-07	H23: -6.2425e-08	H23f: -2.71413e-09
H9: -2.46133e-06	H25: -0.583279	H25f: -0.0233312
H11: -3.58012e-06	H27: 0.248084	H27f: 0.00918828
H13: -3.18711e-06	H29: 0.262274	H29f: 0.00904394
H15: -2.68011e-06	H31: 0.0650005	H31f: 0.00209679
H17: -2.82329e-06	H33: 0.00743899	H33f: 0.000225424

c2sd = -0.323
c2ed = -0.6537
c3sd = -0.467
c3ed = -0.8266
c4sd = -0.507
c4ed = -0.75
c5sd = -0.4935
c5ed = -0.5099
varx = 2.6656%.

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STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 75/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00077712%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 12.2606	end: 14.5841	delta: 2.3235
P2 start: 24.6218	end: 29.1893	delta: 4.5675
P3 start: 37.1914	end: 43.8424	delta: 6.651
P4 start: 50.0879	end: 58.5728	delta: 8.485
P5 start: 63.4411	end: 73.3852	delta: 9.9441
P6 start: 77.3615	end: 88.1675	delta: 10.8059

H3: -1.48409e-06	H19: -1.11839e-06	H19f: -5.88628e-08
H5: -6.88078e-07	H21: -2.69835e-06	H21f: -1.28493e-07
H7: -3.44039e-07	H23: -8.35901e-07	H23f: -3.63435e-08
H9: -2.58591e-06	H25: -0.572594	H25f: -0.0229038
H11: -2.78727e-06	H27: 0.231364	H27f: 0.00856903
H13: -2.73986e-06	H29: 0.264417	H29f: 0.00911783
H15: -2.75231e-06	H31: 0.0682015	H31f: 0.00220005
H17: -2.6666e-06	H33: 0.00806698	H33f: 0.000244454

c2sd = -0.3913
c2ed = -0.6375
c3sd = -0.566
c3ed = -0.8002
c4sd = -0.6309
c4ed = -0.7084
c5sd = -0.6313
c5ed = -0.4425
varx = 2.6099%.

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STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 76/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	0.000976055%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 12.234	end: 14.5833	delta: 2.3493
P2 start: 24.5691	end: 29.1884	delta: 4.6192
P3 start: 37.1147	end: 43.844	delta: 6.7293
P4 start: 49.9913	end: 58.5835	delta: 8.5922
P5 start: 63.3341	end: 73.418	delta: 10.0839
P6 start: 77.2624	end: 88.2362	delta: 10.9738

H3: -1.26485e-06	H19: -1.28237e-06	H19f: -6.74931e-08
H5: -1.07845e-06	H21: -1.2173e-06	H21f: -5.79666e-08
H7: -3.53778e-06	H23: -6.33872e-07	H23f: -2.75597e-08
H9: -3.23979e-06	H25: -0.561774	H25f: -0.0224709
H11: -4.16674e-06	H27: 0.214599	H27f: 0.0079481
H13: -4.51659e-06	H29: 0.266319	H29f: 0.00918342
H15: -4.03421e-06	H31: 0.071511	H31f: 0.00230681
H17: -3.45386e-06	H33: 0.00874143	H33f: 0.000264892

c2sd = -0.3477
c2ed = -0.7347
c3sd = -0.505
c3ed = -0.9364
c4sd = -0.5562
c4ed = -0.8691
c5sd = -0.5431
c5ed = -0.6048
varx = 2.5543%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.000900184%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.207	end: 14.5818	delta: 2.3748
P2 start: 24.5159	end: 29.1863	delta: 4.6704
P3 start: 37.0369	end: 43.8438	delta: 6.8069
P4 start: 49.8931	end: 58.5918	delta: 8.6987
P5 start: 63.2249	end: 73.4488	delta: 10.224
P6 start: 77.1612	end: 88.305	delta: 11.1437

H3: -1.24842e-06	H19: -1.55621e-06	H19f: -8.19056e-08
H5: -1.8135e-06	H21: -1.97119e-06	H21f: -9.38664e-08
H7: -3.04127e-06	H23: -3.42816e-07	H23f: -1.49051e-08
H9: -2.73777e-06	H25: -0.550819	H25f: -0.0220328
H11: -3.26143e-06	H27: 0.197779	H27f: 0.00732516
H13: -4.36695e-06	H29: 0.267964	H29f: 0.00924014
H15: -2.61512e-06	H31: 0.0749274	H31f: 0.00241701
H17: -4.05834e-06	H33: 0.00946377	H33f: 0.000286781

c2sd = -0.4217
 c2ed = -0.7161
 c3sd = -0.6123
 c3ed = -0.907
 c4sd = -0.6911
 c4ed = -0.824
 c5sd = -0.6942
 c5ed = -0.5321
 varx = 2.499%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.000255563%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.1795 end: 14.5796 delta: 2.4001
 P2 start: 24.4619 end: 29.183 delta: 4.7211
 P3 start: 36.958 end: 43.8417 delta: 6.8837
 P4 start: 49.7932 end: 58.5976 delta: 8.8044
 P5 start: 63.1133 end: 73.4776 delta: 10.3642
 P6 start: 77.0579 end: 88.3739 delta: 11.316

H3: -5.18913e-07	H19: -8.80786e-07	H19f: -4.63572e-08
H5: -1.75133e-07	H21: -3.70652e-07	H21f: -1.76501e-08
H7: -4.44782e-07	H23: -2.70737e-07	H23f: -1.17712e-08
H9: -1.15674e-06	H25: -0.539734	H25f: -0.0215893
H11: -7.96059e-07	H27: 0.180903	H27f: 0.00670011
H13: -9.20571e-07	H29: 0.269333	H29f: 0.00928735
H15: -1.14161e-06	H31: 0.0784565	H31f: 0.00253085
H17: -9.61515e-07	H33: 0.0102406	H33f: 0.000310321

c2sd = -0.4424
 c2ed = -0.7526
 c3sd = -0.6437
 c3ed = -0.9565
 c4sd = -0.732
 c4ed = -0.8772
 c5sd = -0.7385
 c5ed = -0.5706
 varx = 2.4439%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 79/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	4.53629e-05%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 12.1519	end: 14.5769	delta: 2.4251
P2 start: 24.4074	end: 29.1785	delta: 4.7711
P3 start: 36.8781	end: 43.8377	delta: 6.9596
P4 start: 49.6916	end: 58.6008	delta: 8.9092
P5 start: 62.9993	end: 73.5039	delta: 10.5046
P6 start: 76.9521	end: 88.4429	delta: 11.4908

H3: -1.92129e-07	H19: 1.01121e-08	H19f: 5.32214e-10
H5: -1.92129e-07	H21: -1.92129e-07	H21f: -9.14901e-09
H7: -1.37235e-08	H23: -1.67069e-08	H23f: -7.26386e-10
H9: -1.06738e-08	H25: -0.528495	H25f: -0.0211398
H11: -1.48463e-07	H27: 0.163998	H27f: 0.00607402
H13: -8.8675e-08	H29: 0.270423	H29f: 0.00932495
H15: 1.98533e-07	H31: 0.0820956	H31f: 0.00264825
H17: -1.58224e-07	H33: 0.0110711	H33f: 0.000335487

c2sd = -0.5187
c2ed = -0.7353
c3sd = -0.7549
c3ed = -0.9294
c4sd = -0.8724
c4ed = -0.8352
c5sd = -0.8968
c5ed = -0.5001
varx = 2.389%.

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STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 80/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00102592%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 12.1245	end: 14.5742	delta: 2.4497
P2 start: 24.3524	end: 29.1729	delta: 4.8205
P3 start: 36.7971	end: 43.8316	delta: 7.0345
P4 start: 49.5882	end: 58.6011	delta: 9.013
P5 start: 62.8825	end: 73.5275	delta: 10.645
P6 start: 76.8436	end: 88.5121	delta: 11.6685

H3: -1.29647e-06	H19: -2.7161e-06	H19f: -1.42953e-07
H5: -1.34707e-06	H21: -2.02376e-06	H21f: -9.63695e-08
H7: -3.17116e-06	H23: -5.36186e-07	H23f: -2.33125e-08
H9: -3.10942e-06	H25: -0.517085	H25f: -0.0206834
H11: -4.52759e-06	H27: 0.147089	H27f: 0.00544776
H13: -4.65562e-06	H29: 0.271232	H29f: 0.00935282
H15: -4.03487e-06	H31: 0.0858519	H31f: 0.00276941
H17: -3.43742e-06	H33: 0.0119544	H33f: 0.000362253

c2sd = -0.5144
c2ed = -0.8002
c3sd = -0.7511
c3ed = -1.0203
c4sd = -0.8704
c4ed = -0.9403
c5sd = -0.8933
c5ed = -0.5966
varx = 2.3344%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.6561
 Distortion 2H-24H: 0.000770407%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.0962 end: 14.5703 delta: 2.474
 P2 start: 24.2966 end: 29.1658 delta: 4.8692
 P3 start: 36.7147 end: 43.8232 delta: 7.1085
 P4 start: 49.4826 end: 58.5982 delta: 9.1156
 P5 start: 62.7627 end: 73.5482 delta: 10.7855
 P6 start: 76.732 end: 88.5813 delta: 11.8493

H3: -6.87079e-07	H19: -2.53463e-06	H19f: -1.33402e-07
H5: -1.218e-06	H21: -2.43601e-06	H21f: -1.16e-07
H7: -1.1377e-06	H23: -4.72537e-07	H23f: -2.05451e-08
H9: -2.90447e-06	H25: -0.505539	H25f: -0.0202216
H11: -1.77164e-06	H27: 0.130112	H27f: 0.00481897
H13: -2.99096e-06	H29: 0.271705	H29f: 0.00936912
H15: -3.53533e-06	H31: 0.0897295	H31f: 0.0028945
H17: -3.24066e-06	H33: 0.0129058	H33f: 0.000391084

c2sd = -0.5402
 c2ed = -0.8374
 c3sd = -0.7904
 c3ed = -1.0717
 c4sd = -0.9224
 c4ed = -0.9968
 c5sd = -0.9522
 c5ed = -0.6369
 varx = 2.2802%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.672401
 Distortion 2H-24H: 5.5599e-05%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.0674 end: 14.5655 delta: 2.498
 P2 start: 24.2398 end: 29.1571 delta: 4.9173
 P3 start: 36.631 end: 43.8123 delta: 7.1813
 P4 start: 49.3748 end: 58.5919 delta: 9.2171
 P5 start: 62.6397 end: 73.5655 delta: 10.9259
 P6 start: 76.617 end: 88.6507 delta: 12.0336

H3: 3.085e-08	H19: 7.79368e-08	H19f: 4.10194e-09
H5: 1.2957e-07	H21: -1.58657e-07	H21f: -7.5551e-09
H7: -2.7765e-07	H23: -1.60956e-07	H23f: -6.99811e-09
H9: -9.255e-08	H25: -0.493834	H25f: -0.0197534
H11: -2.18754e-07	H27: 0.113088	H27f: 0.00418846
H13: -1.13908e-07	H29: 0.271835	H29f: 0.00937362
H15: -2.2212e-07	H31: 0.0937285	H31f: 0.0030235
H17: -1.95988e-07	H33: 0.0139306	H33f: 0.000422139

c2sd = -0.5433
 c2ed = -0.8998
 c3sd = -0.7973
 c3ed = -1.1593
 c4sd = -0.9347
 c4ed = -1.0986
 c5sd = -0.9664
 c5ed = -0.7284
 varx = 2.2262%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 3.57223e-05%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.0386	end: 14.5602	delta: 2.5216
P2 start: 24.1824	end: 29.1469	delta: 4.9645
P3 start: 36.5459	end: 43.7989	delta: 7.253
P4 start: 49.2647	end: 58.5818	delta: 9.3171
P5 start: 62.513	end: 73.579	delta: 11.066
P6 start: 76.4982	end: 88.7201	delta: 12.2219

H3: 0.0	H19: 1.15497e-07	H19f: 6.07878e-09
H5: -1.09722e-07	H21: -9.5789e-08	H21f: -4.56138e-09
H7: -5.22485e-08	H23: -1.27214e-07	H23f: -5.53104e-09
H9: -1.32073e-07	H25: -0.481944	H25f: -0.0192778
H11: -3.32491e-08	H27: 0.0960522	H27f: 0.00355749
H13: -4.22007e-08	H29: 0.271618	H29f: 0.00936614
H15: 1.09722e-07	H31: 0.0978563	H31f: 0.00315666
H17: -2.04384e-07	H33: 0.0150224	H33f: 0.000455224

c2sd = -0.6092
 c2ed = -0.9014
 c3sd = -0.8947
 c3ed = -1.1605
 c4sd = -1.06
 c4ed = -1.0935
 c5sd = -1.1104
 c5ed = -0.6976
 varx = 2.1726%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 9.73321e-05%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 12.0093 end: 14.5541 delta: 2.5449
 P2 start: 24.1241 end: 29.1351 delta: 5.011
 P3 start: 36.4592 end: 43.7827 delta: 7.3234
 P4 start: 49.152 end: 58.5675 delta: 9.4154
 P5 start: 62.3825 end: 73.5882 delta: 11.2057
 P6 start: 76.375 end: 88.7898 delta: 12.4148

H3: 0.0	H19: 5.32568e-07	H19f: 2.80299e-08
H5: 1.98762e-07	H21: 2.75342e-07	H21f: 1.31115e-08
H7: 2.45226e-07	H23: 2.2783e-07	H23f: 9.90566e-09
H9: 3.51347e-07	H25: -0.469869	H25f: -0.0187948
H11: 4.27092e-07	H27: 0.0789791	H27f: 0.00292515
H13: 1.80693e-07	H29: 0.27102	H29f: 0.00934551
H15: 9.63695e-08	H31: 0.102119	H31f: 0.00329415
H17: 2.97612e-07	H33: 0.0161938	H33f: 0.000490722

c2sd = -0.6345
 c2ed = -0.9464
 c3sd = -0.934
 c3ed = -1.2241
 c4sd = -1.1138
 c4ed = -1.1667
 c5sd = -1.1739
 c5ed = -0.7554
 varx = 2.1193%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 85/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	0.000134443%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start:	11.9796	end:	14.5473	delta:	2.5677
P2 start:	24.0649	end:	29.1214	delta:	5.0566
P3 start:	36.3709	end:	43.7633	delta:	7.3925
P4 start:	49.0366	end:	58.5485	delta:	9.5119
P5 start:	62.2475	end:	73.5924	delta:	11.3448
P6 start:	76.2468	end:	88.8596	delta:	12.6128

H3: -1.48806e-07	H19: 5.07506e-07	H19f: 2.67109e-08
H5: 7.67838e-07	H21: -6.80255e-08	H21f: -3.23931e-09
H7: 5.10192e-08	H23: 3.80425e-07	H23f: 1.65402e-08
H9: 3.57134e-07	H25: -0.457594	H25f: -0.0183038
H11: 3.57134e-07	H27: 0.0618736	H27f: 0.00229162
H13: 5.08229e-07	H29: 0.270018	H29f: 0.00931096
H15: 8.92835e-08	H31: 0.106521	H31f: 0.00343615
H17: 5.14693e-07	H33: 0.0174488	H33f: 0.000528751

c2sd = -0.6867
c2ed = -0.967
c3sd = -1.0124
c3ed = -1.2534
c4sd = -1.2169
c4ed = -1.198
c5sd = -1.2947
c5ed = -0.7654
varx = 2.0663%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.000499421%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 11.9497 end: 14.5398 delta: 2.59
 P2 start: 24.0047 end: 29.1059 delta: 5.1012
 P3 start: 36.2808 end: 43.7407 delta: 7.4599
 P4 start: 48.9181 end: 58.5245 delta: 9.6064
 P5 start: 62.1078 end: 73.5908 delta: 11.4831
 P6 start: 76.1129 end: 88.9295 delta: 12.8167

H3: -1.00011e-06	H19: -2.08073e-06	H19f: -1.09512e-07
H5: -7.94208e-07	H21: -6.47133e-07	H21f: -3.08158e-08
H7: -1.27325e-07	H23: -8.36413e-07	H23f: -3.63658e-08
H9: -1.52959e-06	H25: -0.445095	H25f: -0.0178038
H11: -1.71677e-06	H27: 0.0447492	H27f: 0.00165738
H13: -1.52054e-06	H29: 0.268587	H29f: 0.00926162
H15: -2.87092e-06	H31: 0.111073	H31f: 0.00358299
H17: -6.3329e-07	H33: 0.0187909	H33f: 0.000569421

c2sd = -0.6717
 c2ed = -1.0577
 c3sd = -0.9949
 c3ed = -1.3836
 c4sd = -1.2015
 c4ed = -1.3559
 c5sd = -1.282
 c5ed = -0.9194
 varx = 2.0137%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.000803138%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 11.9192	end: 14.5311	delta: 2.6119
P2 start: 23.9433	end: 29.0882	delta: 5.1449
P3 start: 36.1886	end: 43.7144	delta: 7.5258
P4 start: 48.7963	end: 58.4947	delta: 9.6984
P5 start: 61.9626	end: 73.5825	delta: 11.6199
P6 start: 75.9721	end: 88.9997	delta: 13.0275

H3: -1.07585e-06	H19: -1.36815e-06	H19f: -7.20079e-08
H5: -1.46548e-06	H21: -1.74462e-06	H21f: -8.30772e-08
H7: -2.8537e-06	H23: -7.96457e-07	H23f: -3.46286e-08
H9: -1.82216e-06	H25: -0.432366	H25f: -0.0172947
H11: -3.9254e-06	H27: 0.0275695	H27f: 0.00102109
H13: -3.25439e-06	H29: 0.266684	H29f: 0.00919599
H15: -2.89607e-06	H31: 0.11578	H31f: 0.00373482
H17: -3.13005e-06	H33: 0.0202385	H33f: 0.000613287

c2sd = -0.6963
 c2ed = -1.1122
 c3sd = -1.0345
 c3ed = -1.4625
 c4sd = -1.258
 c4ed = -1.451
 c5sd = -1.3527
 c5ed = -1.0022
 varx = 1.9614%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.000487356%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 11.8878 end: 14.5212 delta: 2.6333
 P2 start: 23.8806 end: 29.0681 delta: 5.1875
 P3 start: 36.0942 end: 43.6839 delta: 7.5897
 P4 start: 48.6707 end: 58.4584 delta: 9.7877
 P5 start: 61.8113 end: 73.5663 delta: 11.755
 P6 start: 75.8236 end: 89.07 delta: 13.2464

H3: 1.43733e-07	H19: -1.48877e-06	H19f: -7.83564e-08
H5: -1.37984e-07	H21: -1.14986e-06	H21f: -5.47554e-08
H7: -8.74718e-07	H23: -5.24938e-07	H23f: -2.28234e-08
H9: -1.50441e-06	H25: -0.419389	H25f: -0.0167756
H11: -1.6464e-06	H27: 0.0103238	H27f: 0.000382364
H13: -2.16263e-06	H29: 0.264258	H29f: 0.00911233
H15: -1.42583e-06	H31: 0.12066	H31f: 0.00389225
H17: -2.72924e-06	H33: 0.0217939	H33f: 0.000660422

c2sd = -0.7346
 c2ed = -1.1567
 c3sd = -1.0939
 c3ed = -1.5279
 c4sd = -1.3402
 c4ed = -1.5308
 c5sd = -1.4545
 c5ed = -1.0679
 varx = 1.9095%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 89/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	5.47429e-05%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start:	11.8558	end:	14.5099	delta:	2.6542
P2 start:	23.8164	end:	29.0453	delta:	5.2288
P3 start:	35.9973	end:	43.649	delta:	7.6516
P4 start:	48.5409	end:	58.4147	delta:	9.8738
P5 start:	61.6531	end:	73.5407	delta:	11.8876
P6 start:	75.6657	end:	89.1406	delta:	13.4748

H3: -8.52708e-08	H19: 3.59035e-08	H19f: 1.88966e-09
H5: -1.70542e-08	H21: -9.74523e-08	H21f: -4.64059e-09
H7: 7.30892e-08	H23: -1.55712e-07	H23f: -6.77008e-09
H9: -3.03185e-07	H25: -0.406124	H25f: -0.016245
H11: -8.52708e-08	H27: -0.00698744	H27f: -0.000258794
H13: -2.62372e-07	H29: 0.261271	H29f: 0.00900933
H15: -1.87596e-07	H31: 0.125722	H31f: 0.00405556
H17: -1.40446e-07	H33: 0.0234677	H33f: 0.000711143

c2sd = -0.7392
c2ed = -1.2391
c3sd = -1.1056
c3ed = -1.6481
c4sd = -1.3639
c4ed = -1.6805
c5sd = -1.4919
c5ed = -1.2143
varx = 1.8578%.

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STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 90/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.0002154666%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 11.8232	end: 14.4976	delta: 2.6744
P2 start: 23.7508	end: 29.0197	delta: 5.2689
P3 start: 35.8977	end: 43.6089	delta: 7.7112
P4 start: 48.4065	end: 58.3627	delta: 9.9561
P5 start: 61.4871	end: 73.5038	delta: 12.0167
P6 start: 75.4966	end: 89.2114	delta: 13.7148

H3: -2.81078e-07	H19: -6.92339e-07	H19f: -3.64389e-08
H5: -3.37293e-07	H21: -2.48955e-07	H21f: -1.1855e-08
H7: -5.90263e-07	H23: -3.70289e-07	H23f: -1.60995e-08
H9: -6.3711e-07	H25: -0.392526	H25f: -0.0157011
H11: -5.51935e-07	H27: -0.0243621	H27f: -0.000902302
H13: -1.22593e-06	H29: 0.257676	H29f: 0.00888539
H15: -1.00064e-06	H31: 0.130992	H31f: 0.00422554
H17: -4.56338e-07	H33: 0.0252712	H33f: 0.000765794

c2sd = -0.7488
c2ed = -1.3208
c3sd = -1.1251
c3ed = -1.7683
c4sd = -1.3986
c4ed = -1.8322
c5sd = -1.5444
c5ed = -1.3648
varx = 1.8063%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 6.17925e-05%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 11.7897 end: 14.4836 delta: 2.6939
 P2 start: 23.6833 end: 28.9907 delta: 5.3074
 P3 start: 35.7949 end: 43.5631 delta: 7.7682
 P4 start: 48.2668 end: 58.3009 delta: 10.0341
 P5 start: 61.3119 end: 73.453 delta: 12.1411
 P6 start: 75.3138 end: 89.2824 delta: 13.9686

H3: -1.38994e-07	H19: -1.49236e-07	H19f: -7.85454e-09
H5: -2.16831e-07	H21: 1.58851e-08	H21f: 7.56433e-10
H7: -1.66793e-07	H23: -1.88549e-07	H23f: -8.19778e-09
H9: -6.48641e-08	H25: -0.378561	H25f: -0.0151424
H11: -2.35027e-07	H27: -0.0418442	H27f: -0.00154979
H13: -1.47548e-07	H29: 0.253386	H29f: 0.00873746
H15: -3.72505e-07	H31: 0.136491	H31f: 0.00440295
H17: -9.81138e-08	H33: 0.02722	H33f: 0.000824847

c2sd = -0.7705
 c2ed = -1.3956
 c3sd = -1.1623
 c3ed = -1.8797
 c4sd = -1.4568
 c4ed = -1.9755
 c5sd = -1.6267
 c5ed = -1.5085
 varx = 1.7551%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 0.00020269%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 11.7554 end: 14.468 delta: 2.7127
 P2 start: 23.6137 end: 28.958 delta: 5.3443
 P3 start: 35.6884 end: 43.5106 delta: 7.8222
 P4 start: 48.1209 end: 58.2278 delta: 10.1069
 P5 start: 61.126 end: 73.385 delta: 12.259
 P6 start: 75.1142 end: 89.3538 delta: 14.2396

H3: -1.37484e-07	H19: -7.81486e-07	H19f: -4.11309e-08
H5: -4.61945e-07	H21: -1.72837e-07	H21f: -8.23032e-09
H7: -7.18843e-07	H23: -4.48316e-07	H23f: -1.9492e-08
H9: -6.04928e-07	H25: -0.364157	H25f: -0.0145663
H11: -9.37389e-07	H27: -0.059449	H27f: -0.00220181
H13: -2.79198e-07	H29: 0.248318	H29f: 0.00856268
H15: -1.00638e-06	H31: 0.142259	H31f: 0.00458899
H17: -4.27008e-07	H33: 0.0293284	H33f: 0.000888739

c2sd = -0.7903
 c2ed = -1.478
 c3sd = -1.1977
 c3ed = -2.0034
 c4sd = -1.5142
 c4ed = -2.1371
 c5sd = -1.7117
 c5ed = -1.6772
 varx = 1.7039%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	7.59529e-05%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 11.7198	end: 14.4503	delta: 2.7306
P2 start: 23.5415	end: 28.9208	delta: 5.3792
P3 start: 35.5775	end: 43.4502	delta: 7.8727
P4 start: 47.9677	end: 58.1412	delta: 10.1735
P5 start: 60.9275	end: 73.2954	delta: 12.3679
P6 start: 74.8932	end: 89.4255	delta: 14.5323

H3: -1.63206e-07	H19: -8.58981e-08	H19f: -4.52095e-09
H5: -6.52826e-08	H21: -1.36005e-07	H21f: -6.47645e-09
H7: -3.49728e-07	H23: -2.98029e-07	H23f: -1.29578e-08
H9: 7.25362e-08	H25: -0.349239	H25f: -0.0139696
H11: -3.78342e-07	H27: -0.0772321	H27f: -0.00286045
H13: -2.8875e-07	H29: 0.242339	H29f: 0.0083565
H15: -1.68647e-07	H31: 0.148341	H31f: 0.00478519
H17: -2.20809e-07	H33: 0.0316193	H33f: 0.000958161

c2sd = -0.7437
c2ed = -1.6339
c3sd = -1.1387
c3ed = -2.2335
c4sd = -1.4563
c4ed = -2.4349
c5sd = -1.6697
c5ed = -2.0075
varx = 1.6528%.

STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 94/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	8.72644e-05%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 11.6828	end: 14.4302	delta: 2.7474
P2 start: 23.4664	end: 28.8783	delta: 5.4119
P3 start: 35.4615	end: 43.3806	delta: 7.9191
P4 start: 47.8058	end: 58.0383	delta: 10.2325
P5 start: 60.7136	end: 73.1778	delta: 12.4641
P6 start: 74.6449	end: 89.4977	delta: 14.8528

H3: -2.69117e-08	H19: -2.03962e-07	H19f: -1.07349e-08
H5: -4.84411e-08	H21: -4.61343e-08	H21f: -2.19687e-09
H7: -6.92015e-08	H23: -2.10613e-07	H23f: -9.1571e-09
H9: -3.2294e-07	H25: -0.33369	H25f: -0.0133476
H11: -4.18355e-07	H27: -0.0952391	H27f: -0.00352738
H13: -3.29151e-07	H29: 0.235286	H29f: 0.0081133
H15: -2.47588e-07	H31: 0.154811	H31f: 0.00499389
H17: -4.65414e-07	H33: 0.0341161	H33f: 0.00103382

c2sd = -0.7442
c2ed = -1.7511
c3sd = -1.148
c3ed = -2.41
c4sd = -1.4853
c4ed = -2.6706
c5sd = -1.7322
c5ed = -2.2764
varx = 1.6013%.

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STEP-LOCKED MAGIC SINEWAVE

AEXC24 - 95/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	8.83496e-05%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 11.6441	end: 14.4071	delta: 2.763
P2 start: 23.3875	end: 28.8293	delta: 5.4418
P3 start: 35.3389	end: 43.2994	delta: 7.9605
P4 start: 47.6331	end: 57.9151	delta: 10.282
P5 start: 60.4808	end: 73.0231	delta: 12.5423
P6 start: 74.3604	end: 89.5703	delta: 15.2099

H3: 7.98853e-08	H19: -5.88628e-08	H19f: -3.09804e-09
H5: -1.43793e-07	H21: -3.95622e-07	H21f: -1.88392e-08
H7: -5.70609e-08	H23: 1.00725e-07	H23f: 4.37934e-09
H9: -1.68647e-07	H25: -0.317349	H25f: -0.0126939
H11: -1.96082e-07	H27: -0.113558	H27f: -0.00420586
H13: -4.36296e-07	H29: 0.226915	H29f: 0.00782466
H15: -4.63335e-07	H31: 0.161773	H31f: 0.00521847
H17: -3.28939e-07	H33: 0.0368541	H33f: 0.00111679

c2sd = -0.8013
c2ed = -1.822
c3sd = -1.2393
c3ed = -2.5225
c4sd = -1.6191
c4ed = -2.8326
c5sd = -1.9207
c5ed = -2.4754
varx = 1.5494%.

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SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H:	8.25754e-05%
First strong harmonics:	25 and 27
Pulses per sine cycle:	24
Total switching events:	48
Delta Friendly:	No

P1 start: 11.603	end: 14.3801	delta: 2.777
P2 start: 23.3036	end: 28.7719	delta: 5.4683
P3 start: 35.208	end: 43.2036	delta: 7.9956
P4 start: 47.4467	end: 57.7661	delta: 10.3195
P5 start: 60.2237	end: 72.8177	delta: 12.594
P6 start: 74.0267	end: 89.6435	delta: 15.6169

H3: -2.6351e-07	H19: -3.24534e-07	H19f: -1.70807e-08
H5: -1.42296e-07	H21: -2.18337e-07	H21f: -1.0397e-08
H7: -2.37159e-07	H23: -2.68093e-07	H23f: -1.16562e-08
H9: 1.31755e-07	H25: -0.299975	H25f: -0.011999
H11: -2.65906e-07	H27: -0.132309	H27f: -0.00490033
H13: -2.61483e-07	H29: 0.216857	H29f: 0.00747784
H15: -3.74185e-07	H31: 0.169389	H31f: 0.00546415
H17: -1.20905e-07	H33: 0.0398851	H33f: 0.00120864

c2sd = -0.7373
c2ed = -2.0271
c3sd = -1.1588
c3ed = -2.8296
c4sd = -1.5427
c4ed = -3.2445
c5sd = -1.8783
c5ed = -2.9802
varx = 1.4964%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 5.99236e-05%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 11.5589 end: 14.3479 delta: 2.789
 P2 start: 23.2131 end: 28.7033 delta: 5.4902
 P3 start: 35.0657 end: 43.0881 delta: 8.0224
 P4 start: 47.2417 end: 57.5825 delta: 10.3408
 P5 start: 59.934 end: 72.5404 delta: 12.6064
 P6 start: 73.6232 end: 89.7175 delta: 16.0943

H3: -5.21588e-08	H19: -1.97654e-07	H19f: -1.04029e-08
H5: 0.0	H21: -4.09819e-08	H21f: -1.95152e-09
H7: -1.56476e-07	H23: -1.70083e-07	H23f: -7.39491e-09
H9: -2.69487e-07	H25: -0.281189	H25f: -0.0112476
H11: -3.41403e-07	H27: -0.151669	H27f: -0.00561736
H13: -1.50458e-07	H29: 0.204509	H29f: 0.00705202
H15: -2.24283e-07	H31: 0.177927	H31f: 0.00573959
H17: 9.20449e-09	H33: 0.0432992	H33f: 0.0013121

c2sd = -0.7249
 c2ed = -2.1987
 c3sd = -1.1538
 c3ed = -3.0924
 c4sd = -1.5645
 c4ed = -3.6113
 c5sd = -1.9593
 c5ed = -3.4662
 varx = 1.4415%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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-24H: 6.03732e-05%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 11.5102 end: 14.3082 delta: 2.798
 P2 start: 23.1128 end: 28.6186 delta: 5.5057
 P3 start: 34.9069 end: 42.9446 delta: 8.0377
 P4 start: 47.0099 end: 57.3494 delta: 10.3395
 P5 start: 59.5978 end: 72.1557 delta: 12.5579
 P6 start: 73.1159 end: 89.7924 delta: 16.6764

H3: -3.09759e-07	H19: -1.34501e-07	H19f: -7.07898e-09
H5: -1.70368e-07	H21: -1.62255e-07	H21f: -7.72642e-09
H7: -1.10628e-07	H23: -2.02017e-07	H23f: -8.78334e-09
H9: -2.58133e-07	H25: -0.260343	H25f: -0.0104137
H11: -9.85597e-08	H27: -0.171909	H27f: -0.00636699
H13: -1.90621e-07	H29: 0.188778	H29f: 0.0065096
H15: -1.65205e-07	H31: 0.187847	H31f: 0.00605957
H17: 4.55528e-08	H33: 0.0472952	H33f: 0.00143319

c2sd = -0.6358
 c2ed = -2.4728
 c3sd = -1.0418
 c3ed = -3.5068
 c4sd = -1.4595
 c4ed = -4.1812
 c5sd = -1.9118
 c5ed = -4.2347
 varx = 1.3833%.

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.980099
 Distortion 2H-24H: 2.89058e-05%
 First strong harmonics: 25 and 27
 Pulses per sine cycle: 24
 Total switching events: 48
 Delta Friendly: No

P1 start: 11.454 end: 14.2565 delta: 2.8025
 P2 start: 22.9966 end: 28.5079 delta: 5.5113
 P3 start: 34.7214 end: 42.7562 delta: 8.0349
 P4 start: 46.7352 end: 57.0387 delta: 10.3035
 P5 start: 59.1884 end: 71.5999 delta: 12.4116
 P6 start: 72.4443 end: 89.8685 delta: 17.4242

H3: 2.55525e-08	H19: 4.03461e-08	H19f: 2.12348e-09
H5: 7.66576e-08	H21: -3.28533e-08	H21f: -1.56444e-09
H7: -1.53315e-07	H23: 2.66635e-08	H23f: 1.15928e-09
H9: -2.55525e-08	H25: -0.236209	H25f: -0.00944836
H11: -1.18471e-07	H27: -0.193429	H27f: -0.00716405
H13: -1.12038e-07	H29: 0.167447	H29f: 0.00577404
H15: -1.32873e-07	H31: 0.199968	H31f: 0.00645059
H17: -7.21483e-08	H33: 0.0524202	H33f: 0.00158849

c2sd = -0.4908
 c2ed = -2.8447
 c3sd = -0.8537
 c3ed = -4.0687
 c4sd = -1.2695
 c4ed = -4.9566
 c5sd = -1.7919
 c5ed = -5.3198
 varx = 1.3188%.

STEP-LOCKED MAGIC SINEWAVE AEXC24 - 100/100

SUMMARY: This steplock-24 carrier suppressed "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 24 are virtually zero. The first major harmonics are the 25th and 27th. 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: 0.999998
Actual Power: 0.999995
Distortion 2H-24H: 0.000111796%
First strong harmonics: 25 and 27
Pulses per sine cycle: 24
Total switching events: 48
Delta Friendly: No

P1 start: 11.3836	end: 14.182	delta: 2.7984
P2 start: 22.8502	end: 28.3485	delta: 5.4983
P3 start: 34.4853	end: 42.4846	delta: 7.9993
P4 start: 46.3805	end: 56.5868	delta: 10.2063
P5 start: 58.6457	end: 70.747	delta: 12.1013
P6 start: 71.4893	end: 89.9465	delta: 18.4572

H3: 1.01188e-07	H19: -4.19399e-07	H19f: -2.20736e-08
H5: 7.58912e-08	H21: -2.67426e-07	H21f: -1.27346e-08
H7: -3.03565e-07	H23: -2.5737e-07	H23f: -1.119e-08
H9: -4.46915e-07	H25: -0.206095	H25f: -0.00824381
H11: -6.20928e-08	H27: -0.216687	H27f: -0.00802546
H13: -5.95454e-07	H29: 0.135142	H29f: 0.00466008
H15: 3.23802e-07	H31: 0.215713	H31f: 0.00695849
H17: -4.06241e-07	H33: 0.0606175	H33f: 0.00183689

c2sd = -0.3338
c2ed = -3.3076
c3sd = -0.6556
c3ed = -4.7744
c4sd = -1.0844
c4ed = -5.9483
c5sd = -1.7195
c5ed = -6.7878
varx = 1.2413%.

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