STEP-LOCKED MAGIC SINEWAVE — AEXC14 - 1/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.01
Actual Power:	0.0001
Distortion 2H-14H:	6.78014%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 22.0925	end: 22.1852	delta: 0.0926	
P2 start: 44.3332	end: 44.4982	delta: 0.165	
P3 start: 66.8952	end: 67.1014	delta: 0.2062	
P4 start: 89.8902	end: 90.0	delta: 0.1098	

H3: 0.0473787	H15: -1.07868	H15f: -0.0719121	c1sd = 0.0108
H5: -0.00282618	H17: 0.905212	H17f: 0.0532478	c1ed = -0.006
H7: -0.000641821	H19: 0.136788	H19f: 0.00719938	c2sd = 0.0044
H9: 0.0022489	H21: -0.00510818	H21f: -0.000243247	c2ed = 0.0271
H11: -0.00783885	H23: -0.00104994	H23f: -4.56493e-05	c3sd = 0.0887
H13: 0.047722	H25: 0.00632293	H25f: 0.000252917	c3ed = 0.1079
	H27: -0.0268452	H27f: -0.000994265	c4sd = -0.0083
	H29: 0.146283	H29f: 0.00504424	c4ed = 0.0
	H31: -1.1396	H31f: -0.0367612	varx = 0.7203%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.02
Actual Amplitude:	0.0200964
Actual Power:	0.000403865
Distortion 2H-14H:	3.26889%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.969	end: 22.1499	delta: 0.1809
P2 start: 44.4273	end: 44.7512	delta: 0.3239
P3 start: 67.108	end: 67.5246	delta: 0.4166
P4 start: 89.7754	end: 90.0	delta: 0.2246

H3: 0.0210217	H15: -1.05783	H15f: -0.070522	c_1sd = -0.1039
H5: 0.00889708	H17: 0.935638	H17f: 0.0550376	c_1ed = -0.0576
H7: 0.00187577	H19: 0.0587147	H19f: 0.00309025	c_2sd = 0.1149
H9: 0.000795551	H21: 0.0261769	H21f: 0.00124652	c_2ed = 0.2636
H11: 0.00750532	H23: 0.00561445	H23f: 0.000244106	c_3sd = 0.3231
H13: 0.0220684	H25: 0.00243892	H25f: 9.75567e-05	c_3ed = 0.5095
	H27: 0.0226069	H27f: 0.000837293	c_4sd = -0.0997
	H29: 0.0701277	H29f: 0.0024182	c_4ed = 0.0
	H31: -1.10829	H31f: -0.0357514	varx = 0.3301%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.0301157
Actual Power:	0.000906958
Distortion 2H-14H:	1.81303%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.9303	end: 22.1959	delta: 0.2656
P2 start: 44.5369	end: 45.0182	delta: 0.4813
P3 start: 67.094	end: 67.7203	delta: 0.6263
P4 start: 89.6618	end: 90.0	delta: 0.3382

H3: 0.00897784	H15: -1.04018	H15f: -0.0693455	c_{1sd} = -0.1244
H5: 0.00687954	H17: 0.955242	H17f: 0.0561907	c_{1ed} = -0.0453
H7: 0.00606414	H19: 0.0245574	H19f: 0.0012925	c_{2sd} = 0.2581
H9: 0.00502371	H21: 0.0191956	H21f: 0.000914077	c_{2ed} = 0.4969
H11: 0.00709076	H23: 0.0166068	H23f: 0.000722033	c_{3sd} = 0.3534
H13: 0.00940688	H25: 0.0163998	H25f: 0.000655992	c_{3ed} = 0.6609
	H27: 0.0225275	H27f: 0.000834351	c_{4sd} = -0.1652
	H29: 0.0305293	H29f: 0.00105274	c_{4ed} = 0.0
	H31: -1.07529	H31f: -0.0346868	varx = 0.1676%.

STEP-LOCKED MAGIC SINEWAVE | AEXC14 - 4/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.0399994
Actual Power:	0.00159995
Distortion 2H-14H:	1.44567%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.9165	end: 22.2667	delta: 0.3502
P2 start: 44.5264	end: 45.1641	delta: 0.6377
P3 start: 67.0199	end: 67.852	delta: 0.8321
P4 start: 89.5498	end: 90.0	delta: 0.4502

H3: 0.00507023	H15: -1.03201	H15f: -0.0688004	c_{1sd} = -0.1017
H5: 0.00603949	H17: 0.962488	H17f: 0.0566169	c_{1ed} = -0.0425
H7: 0.00644893	H19: 0.0140324	H19f: 0.000738545	c_{2sd} = 0.3156
H9: 0.00641099	H21: 0.0161974	H21f: 0.000771303	c_{2ed} = 0.5749
H11: 0.00596598	H23: 0.018577	H23f: 0.000807695	c_{3sd} = 0.3686
H13: 0.00534149	H25: 0.0197758	H25f: 0.000791033	c_{3ed} = 0.7033
	H27: 0.0196951	H27f: 0.000729447	c_{4sd} = -0.1802
	H29: 0.0171225	H29f: 0.000590431	c_{4ed} = 0.0
	H31: -1.05808	H31f: -0.0341315	varx = 0.1262%.

STEP-LOCKED MAGIC SINEWAVE — AEXC14 - 5/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.0500068
Actual Power:	0.00250068
Distortion 2H-14H:	1.04518%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.975	end: 22.4104	delta: 0.4354
P2 start: 44.4939	end: 45.2906	delta: 0.7966
P3 start: 66.9324	end: 67.9726	delta: 1.0402
P4 start: 89.4371	end: 90.0	delta: 0.5629

H3: 0.00331447	H15: -1.0221	H15f: -0.06814	c1sd = -0.0021
H5: 0.00420865	H17: 0.970895	H17f: 0.0571115	c1ed = 0.0249
H7: 0.00501029	H19: 0.010489	H19f: 0.00055205	c2sd = 0.3594
H9: 0.00515871	H21: 0.0115498	H21f: 0.000549992	c2ed = 0.6251
H11: 0.00420158	H23: 0.0147435	H23f: 0.000641021	c3sd = 0.3814
H13: 0.00334249	H25: 0.0156629	H25f: 0.000626517	c3ed = 0.7236
	H27: 0.0136407	H27f: 0.000505211	c4sd = -0.184
	H29: 0.0093507	H29f: 0.000322438	c4ed = 0.0
	H31: -1.03691	H31f: -0.0334488	varx = 0.0951%.

STEP-LOCKED MAGIC SINEWAVE   AEXC14 - 6/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.06
Actual Amplitude:	0.0600012
Actual Power:	0.00360015
Distortion 2H-14H:	0.470831%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 22.0959	end: 22.6149	delta: 0.519
P2 start: 44.4721	end: 45.427	delta: 0.955
P3 start: 66.8496	end: 68.0974	delta: 1.2478
P4 start: 89.3246	end: 90.0	delta: 0.6754

H3: 0.00139131	H15: -1.00801	H15f: -0.0672009	c1sd = 0.1412
H5: 0.00181882	H17: 0.982919	H17f: 0.0578188	c1ed = 0.1877
H7: 0.00242846	H19: 0.00687259	H19f: 0.000361715	c2sd = 0.3792
H9: 0.00252726	H21: 0.00496612	H21f: 0.000236482	c2ed = 0.7199
H11: 0.00155504	H23: 0.00729116	H23f: 0.000317007	c3sd = 0.3533
H13: 0.00149055	H25: 0.00757452	H25f: 0.000302981	c3ed = 0.7937
	H27: 0.005172	H27f: 0.000191556	c4sd = -0.2371
	H29: 0.00165705	H29f: 5.71397e-05	c4ed = 0.0
	H31: -1.00688	H31f: -0.0324799	varx = 0.0512%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.07
Actual Amplitude:	0.0699971
Actual Power:	0.00489959
Distortion 2H-14H:	0.701827%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.9825	end: 22.5889	delta: 0.6064
P2 start: 44.3666	end: 45.4808	delta: 1.1142
P3 start: 66.736	end: 68.1922	delta: 1.4562
P4 start: 89.2118	end: 90.0	delta: 0.7882

H3: 0.00188615	H15: -1.01223	H15f: -0.0674819	c1sd = 0.0334
H5: 0.00271116	H17: 0.975276	H17f: 0.0573692	c1ed = 0.1515
H7: 0.00350801	H19: 0.0092838	H19f: 0.000488621	c2sd = 0.284
H9: 0.0035857	H21: 0.00775298	H21f: 0.000369189	c2ed = 0.7634
H11: 0.00283686	H23: 0.0103851	H23f: 0.000451524	c3sd = 0.2533
H13: 0.00226648	H25: 0.0108469	H25f: 0.000433875	c3ed = 0.8749
	H27: 0.00889291	H27f: 0.000329367	c4sd = -0.3351
	H29: 0.002962	H29f: 0.000102138	c4ed = 0.0
	H31: -1.01178	H31f: -0.0326381	varx = 0.0725%.

STEP-LOCKED MAGIC SINEWAVE — AEXC14 - 8/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.08
Actual Amplitude:	0.0800073
Actual Power:	0.00640117
Distortion 2H-14H:	0.458838%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 22.0092	end: 22.7008	delta: 0.6916
P2 start: 44.3079	end: 45.5812	delta: 1.2734
P3 start: 66.639	end: 68.3031	delta: 1.6642
P4 start: 89.0993	end: 90.0	delta: 0.9007

H3: 0.00141334	H15: -1.00545	H15f: -0.0670303	c1sd = 0.1214
H5: 0.00172978	H17: 0.97857	H17f: 0.0575629	c1ed = 0.1493
H7: 0.00235864	H19: 0.00905471	H19f: 0.000476564	c2sd = 0.3393
H9: 0.00238455	H21: 0.00496327	H21f: 0.000236346	c2ed = 0.7497
H11: 0.00171446	H23: 0.00700228	H23f: 0.000304447	c3sd = 0.3062
H13: 0.00136927	H25: 0.00720489	H25f: 0.000288196	c3ed = 0.8359
	H27: 0.00539212	H27f: 0.000199708	c4sd = -0.2849
	H29: -0.000900469	H29f: -3.10507e-05	c4ed = 0.0
	H31: -0.994879	H31f: -0.0320929	varx = 0.0593%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.0900047
Actual Power:	0.00810084
Distortion 2H-14H:	0.282582%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 22.016	end: 22.7923	delta: 0.7763
P2 start: 44.2423	end: 45.6742	delta: 1.432
P3 start: 66.5417	end: 68.4138	delta: 1.8721
P4 start: 88.9866	end: 90.0	delta: 1.0134

H3: 0.000766178	H15: -0.99994	H15f: -0.0666627	c1sd = 0.18
H5: 0.00107861	H17: 0.980017	H17f: 0.057648	c1ed = 0.1446
H7: 0.00145173	H19: 0.00875315	H19f: 0.000460692	c2sd = 0.3699
H9: 0.0014694	H21: 0.0032513	H21f: 0.000154824	c2ed = 0.7466
H11: 0.00116644	H23: 0.00433363	H23f: 0.000188419	c3sd = 0.3354
H13: 0.000779496	H25: 0.00442368	H25f: 0.000176947	c3ed = 0.8201
	H27: 0.00351298	H27f: 0.00013011	c4sd = -0.2603
	H29: -0.00425849	H29f: -0.000146844	c4ed = 0.0
	H31: -0.979942	H31f: -0.031611	varx = 0.0512%.

STEP-LOCKED MAGIC SINEWAVE   AEXC14 - 10/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.10003
Actual Power:	0.010006
Distortion 2H-14H:	0.434177%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.924	end: 22.7878	delta: 0.8638
P2 start: 44.1455	end: 45.7367	delta: 1.5913
P3 start: 66.43	end: 68.511	delta: 2.0811
P4 start: 88.8733	end: 90.0	delta: 1.1267

H3: 0.00104091	H15: -1.00176	H15f: -0.0667841	c1sd = 0.1182
H5: 0.00180688	H17: 0.973404	H17f: 0.057259	c1ed = 0.084
H7: 0.00224104	H19: 0.0109928	H19f: 0.000578566	c2sd = 0.3293
H9: 0.00223955	H21: 0.00519857	H21f: 0.000247551	c2ed = 0.7529
H11: 0.00178622	H23: 0.0066266	H23f: 0.000288113	c3sd = 0.2975
H13: 0.0011288	H25: 0.00679016	H25f: 0.000271606	c3ed = 0.8435
	H27: 0.0056058	H27f: 0.000207622	c4sd = -0.2934
	H29: -0.0047436	H29f: -0.000163572	c4ed = 0.0
	H31: -0.978789	H31f: -0.0315738	varx = 0.0675%.

STEP-LOCKED MAGIC SINEWAVE   AEXC14 - 11/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.110008
Actual Power:	0.0121018
Distortion 2H-14H:	0.299451%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.9195	end: 22.868	delta: 0.9485
P2 start: 44.0744	end: 45.8243	delta: 1.7499
P3 start: 66.3276	end: 68.6162	delta: 2.2886
P4 start: 88.7609	end: 90.0	delta: 1.2391

H3: 0.000800244	H15: -0.997017	H15f: -0.0664678	c1sd = 0.1499
H5: 0.00117525	H17: 0.973094	H17f: 0.0572408	c1ed = 0.0969
H7: 0.00153623	H19: 0.0120414	H19f: 0.000633757	c2sd = 0.3255
H9: 0.00156783	H21: 0.00348927	H21f: 0.000166156	c2ed = 0.7732
H11: 0.00120946	H23: 0.00459085	H23f: 0.000199602	c3sd = 0.2836
H13: 0.000815209	H25: 0.00470629	H25f: 0.000188252	c3ed = 0.8602
	H27: 0.00372407	H27f: 0.000137929	c4sd = -0.3098
	H29: -0.00742238	H29f: -0.000255944	c4ed = 0.0
	H31: -0.964482	H31f: -0.0311123	varx = 0.0677%.

STEP-LOCKED MAGIC SINEWAVE   AEXC14 - 12/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.12
Actual Power:	0.0144
Distortion 2H-14H:	0.229625%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.8955	end: 22.9294	delta: 1.0339
P2 start: 43.9965	end: 45.9049	delta: 1.9084
P3 start: 66.2228	end: 68.7193	delta: 2.4966
P4 start: 88.6482	end: 90.0	delta: 1.3518

H3: 0.000685127	H15: -0.993579	H15f: -0.0662386	c1sd = 0.1623
H5: 0.000960274	H17: 0.970933	H17f: 0.0571137	c1ed = 0.0906
H7: 0.00117586	H19: 0.0136089	H19f: 0.000716257	c2sd = 0.3152
H9: 0.00113583	H21: 0.00275219	H21f: 0.000131057	c2ed = 0.7861
H11: 0.000842332	H23: 0.00345505	H23f: 0.000150219	c3sd = 0.2676
H13: 0.00070637	H25: 0.00346693	H25f: 0.000138677	c3ed = 0.8745
	H27: 0.00274538	H27f: 0.000101681	c4sd = -0.326
	H29: -0.00965654	H29f: -0.000332984	c4ed = 0.0
	H31: -0.952268	H31f: -0.0307183	varx = 0.0739%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.129996
Actual Power:	0.016899
Distortion 2H-14H:	0.136287%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.878	end: 22.9964	delta: 1.1184
P2 start: 43.9208	end: 45.9879	delta: 2.0672
P3 start: 66.12	end: 68.8247	delta: 2.7047
P4 start: 88.5354	end: 90.0	delta: 1.4646

H3: 0.000422278	H15: -0.989363	H15f: -0.0659576	c1sd = 0.1841
H5: 0.000561376	H17: 0.96908	H17f: 0.0570047	c1ed = 0.0847
H7: 0.000635168	H19: 0.0148529	H19f: 0.000781732	c2sd = 0.3125
H9: 0.000641849	H21: 0.00179847	H21f: 8.56417e-05	c2ed = 0.7962
H11: 0.000624288	H23: 0.0019035	H23f: 8.27608e-05	c3sd = 0.2609
H13: 0.000398507	H25: 0.00192841	H25f: 7.71365e-05	c3ed = 0.8838
	H27: 0.00186661	H27f: 6.91335e-05	c4sd = -0.3346
	H29: -0.0125405	H29f: -0.000432432	c4ed = 0.0
	H31: -0.938155	H31f: -0.0302631	varx = 0.0789%.

STEP-LOCKED MAGIC SINEWAVE | AEXC14 - 14/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.14
Actual Power:	0.0196
Distortion 2H-14H:	0.114%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.8381	end: 23.0418	delta: 1.2038
P2 start: 43.8397	end: 46.0655	delta: 2.2258
P3 start: 66.0125	end: 68.9256	delta: 2.9131
P4 start: 88.4222	end: 90.0	delta: 1.5778

H3: 0.000321633	H15: -0.986598	H15f: -0.0657732	c1sd = 0.1901
H5: 0.000470416	H17: 0.965252	H17f: 0.0567795	c1ed = 0.0447
H7: 0.000576772	H19: 0.0167743	H19f: 0.000882857	c2sd = 0.3168
H9: 0.000600985	H21: 0.00141632	H21f: 6.7444e-05	c2ed = 0.7884
H11: 0.00039488	H23: 0.00174502	H23f: 7.58705e-05	c3sd = 0.2656
H13: 0.000353686	H25: 0.00178298	H25f: 7.13194e-05	c3ed = 0.8725
	H27: 0.00134365	H27f: 4.97649e-05	c4sd = -0.3259
	H29: -0.0149001	H29f: -0.000513797	c4ed = 0.0
	H31: -0.926432	H31f: -0.0298849	varx = 0.0888%.

STEP-LOCKED MAGIC SINEWAVE | AEXC14 - 15/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.150005
Actual Power:	0.0225014
Distortion 2H-14H:	0.0869313%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.8008	end: 23.0898	delta: 1.2891
P2 start: 43.7564	end: 46.1411	delta: 2.3846
P3 start: 65.905	end: 69.0267	delta: 3.1216
P4 start: 88.3092	end: 90.0	delta: 1.6908

H3: 0.000321262	H15: -0.983637	H15f: -0.0655758
H5: 0.000339374	H17: 0.961144	H17f: 0.0565379
H7: 0.000395271	H19: 0.0190805	H19f: 0.00100424
H9: 0.000410417	H21: 0.00111014	H21f: 5.28639e-05
H11: 0.000301025	H23: 0.00119702	H23f: 5.20442e-05
H13: 0.000349321	H25: 0.00121883	H25f: 4.87533e-05
	H27: 0.00102989	H27f: 3.81442e-05
	H29: -0.0172213	H29f: -0.000593837
	H31: -0.913939	H31f: -0.0294819

c1sd = 0.2001
c1ed = 0.0048
c2sd = 0.3215
c2ed = 0.776
c3sd = 0.2738
c3ed = 0.858
c4sd = -0.3134
c4ed = 0.0
varx = 0.1007%.

STEP-LOCKED MAGIC SINEWAVE   AEXC14 - 16/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.160009
Actual Power:	0.0256028
Distortion 2H-14H:	0.0242255%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.7726	end: 23.146	delta: 1.3735
P2 start: 43.678	end: 46.2211	delta: 2.543
P3 start: 65.8	end: 69.1302	delta: 3.3302
P4 start: 88.196	end: 90.0	delta: 1.804

H3: 8.41079e-05	H15: -0.979613	H15f: -0.0653076	c_{1sd} = 0.2566
H5: 0.000103491	H17: 0.957645	H17f: 0.0563321	c_{1ed} = -0.0963
H7: 0.000105225	H19: 0.0208545	H19f: 0.0010976	c_{2sd} = 0.4004
H9: 0.000103448	H21: 0.000487415	H21f: 2.32102e-05	c_{2ed} = 0.6987
H11: 0.000105077	H23: 0.000316601	H23f: 1.37652e-05	c_{3sd} = 0.3755
H13: 8.99332e-05	H25: 0.00031493	H25f: 1.25972e-05	c_{3ed} = 0.7546
	H27: 0.000405239	H27f: 1.50089e-05	c_{4sd} = -0.2021
	H29: -0.0203744	H29f: -0.000702566	c_{4ed} = 0.0
	H31: -0.899065	H31f: -0.0290021	varx = 0.1098%.

STEP-LOCKED MAGIC SINEWAVE — AEXC14 - 17/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.17
Actual Amplitude:	0.17
Actual Power:	0.0289
Distortion 2H-14H:	0.00984006%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.73	end: 23.1884	delta: 1.4584
P2 start: 43.5943	end: 46.2957	delta: 2.7014
P3 start: 65.6918	end: 69.2305	delta: 3.5387
P4 start: 88.0828	end: 90.0	delta: 1.9172

H3: 4.38977e-05	H15: -0.976577	H15f: -0.0651051	c1sd = 0.2545
H5: 3.24992e-05	H17: 0.952673	H17f: 0.0560396	c1ed = -0.1291
H7: 4.52795e-05	H19: 0.0233227	H19f: 0.00122751	c2sd = 0.3918
H9: 4.78659e-05	H21: 0.00032259	H21f: 1.53614e-05	c2ed = 0.6982
H11: 3.21421e-05	H23: 0.000138525	H23f: 6.02284e-06	c3sd = 0.3661
H13: 3.64002e-05	H25: 0.000139497	H25f: 5.57986e-06	c3ed = 0.7562
	H27: 0.000213288	H27f: 7.89957e-06	c4sd = -0.208
	H29: -0.0231009	H29f: -0.000796583	c4ed = 0.0
	H31: -0.885726	H31f: -0.0285718	varx = 0.1228%.

STEP-LOCKED MAGIC SINEWAVE | AEXC14 - 18/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.0151134%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.6812	end: 23.2248	delta: 1.5435
P2 start: 43.5077	end: 46.3676	delta: 2.8599
P3 start: 65.5826	end: 69.33	delta: 3.7475
P4 start: 87.9694	end: 90.0	delta: 2.0306

H3: 5.56535e-05	H15: -0.973855	H15f: -0.0649237
H5: 6.21464e-05	H17: 0.9469	H17f: 0.0557
H7: 6.37847e-05	H19: 0.0260942	H19f: 0.00137338
H9: 6.12751e-05	H21: 0.000474761	H21f: 2.26077e-05
H11: 6.92603e-05	H23: 0.000191029	H23f: 8.30563e-06
H13: 5.7113e-05	H25: 0.000187417	H25f: 7.4967e-06
	H27: 0.000343728	H27f: 1.27307e-05
	H29: -0.0257891	H29f: -0.000889281
	H31: -0.872622	H31f: -0.0281491

$c_{1sd} = 0.2107$
$c_{1ed} = -0.102$
$c_{2sd} = 0.3145$
$c_{2ed} = 0.7608$
$c_{3sd} = 0.2691$
$c_{3ed} = 0.8435$
$c_{4sd} = -0.3081$
$c_{4ed} = 0.0$
$varx = 0.1374\%$.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.19
Actual Amplitude:	0.19
Actual Power:	0.0361
Distortion 2H-14H:	0.00427964%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.6371	end: 23.2653	delta: 1.6283
P2 start: 43.4228	end: 46.441	delta: 3.0182
P3 start: 65.4735	end: 69.4299	delta: 3.9563
P4 start: 87.8559	end: 90.0	delta: 2.1441

H3: 1.29148e-05	H15: -0.970585	H15f: -0.0647057	c1sd = 0.209
H5: 2.01311e-05	H17: 0.941215	H17f: 0.0553656	c1ed = -0.1403
H7: 1.72895e-05	H19: 0.0288564	H19f: 0.00151876	c2sd = 0.3085
H9: 2.16134e-05	H21: 0.000399255	H21f: 1.90121e-05	c2ed = 0.7554
H11: 1.18739e-05	H23: 5.96361e-05	H23f: 2.59287e-06	c3sd = 0.2637
H13: 1.8773e-05	H25: 5.92749e-05	H25f: 2.37099e-06	c3ed = 0.8397
	H27: 0.000223102	H27f: 8.26303e-06	c4sd = -0.3091
	H29: -0.0287696	H29f: -0.000992056	c4ed = 0.0
	H31: -0.858157	H31f: -0.0276825	varx = 0.1519%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.0399999
Distortion 2H-14H:	0.000977373%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.591	end: 23.304	delta: 1.713
P2 start: 43.3368	end: 46.5133	delta: 3.1765
P3 start: 65.364	end: 69.5293	delta: 4.1653
P4 start: 87.7423	end: 90.0	delta: 2.2577

H3: -2.90916e-06	H15: -0.967292	H15f: -0.0644862	c_{1sd} = 0.2151
H5: -4.09812e-06	H17: 0.935088	H17f: 0.0550051	c_{1ed} = -0.1985
H7: -3.57772e-06	H19: 0.0318126	H19f: 0.00167435	c_{2sd} = 0.3194
H9: -4.55346e-06	H21: 0.000412992	H21f: 1.96663e-05	c_{2ed} = 0.7308
H11: -3.93254e-06	H23: -8.84296e-06	H23f: -3.84476e-07	c_{3sd} = 0.2816
H13: -4.61184e-06	H25: -1.46621e-05	H25f: -5.86486e-07	c_{3ed} = 0.8117
	H27: 0.000204189	H27f: 7.56256e-06	c_{4sd} = -0.2844
	H29: -0.0318334	H29f: -0.0010977	c_{4ed} = 0.0
	H31: -0.843334	H31f: -0.0272043	$varx$ = 0.1674%.

STEP-LOCKED MAGIC SINEWAVE | AEXC14 - 21/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.21
Actual Amplitude:	0.21
Actual Power:	0.0440999
Distortion 2H-14H:	0.00592477%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.5448	end: 23.3424	delta: 1.7975
P2 start: 43.2504	end: 46.585	delta: 3.3346
P3 start: 65.254	end: 69.6285	delta: 4.3745
P4 start: 87.6286	end: 90.0	delta: 2.3714

H3: -1.78284e-05	H15: -0.96385	H15f: -0.0642567	c1sd = 0.2209
H5: -2.35624e-05	H17: 0.928648	H17f: 0.0546263	c1ed = -0.2569
H7: -2.81881e-05	H19: 0.0349172	H19f: 0.00183775	c2sd = 0.3297
H9: -3.12398e-05	H21: 0.000446639	H21f: 2.12685e-05	c2ed = 0.7057
H11: -2.24059e-05	H23: -8.44386e-05	H23f: -3.67125e-06	c3sd = 0.2988
H13: -1.90979e-05	H25: -9.43073e-05	H25f: -3.77229e-06	c3ed = 0.7837
	H27: 0.000192164	H27f: 7.11717e-06	c4sd = -0.26
	H29: -0.0350101	H29f: -0.00120725	c4ed = 0.0
	H31: -0.827941	H31f: -0.0267078	varx = 0.1838%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.22
Actual Amplitude:	0.22
Actual Power:	0.0484
Distortion 2H-14H:	0.00641408%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.4969	end: 23.379	delta: 1.882
P2 start: 43.1631	end: 46.6559	delta: 3.4927
P3 start: 65.1435	end: 69.7272	delta: 4.5837
P4 start: 87.5147	end: 90.0	delta: 2.4853

H3: -2.34572e-05	H15: -0.960354	H15f: -0.0640236	c_{1sd} = 0.2045
H5: -2.37332e-05	H17: 0.921801	H17f: 0.0542236	c_{1ed} = -0.2787
H7: -3.15884e-05	H19: 0.0381782	H19f: 0.00200938	c_{2sd} = 0.3008
H9: -3.00114e-05	H21: 0.000545085	H21f: 2.59564e-05	c_{2ed} = 0.7182
H11: -2.68441e-05	H23: -8.80546e-05	H23f: -3.82846e-06	c_{3sd} = 0.265
H13: -1.953e-05	H25: -9.73337e-05	H25f: -3.89335e-06	c_{3ed} = 0.8057
	H27: 0.000237741	H27f: 8.80521e-06	c_{4sd} = -0.2906
	H29: -0.0382867	H29f: -0.00132023	c_{4ed} = 0.0
	H31: -0.812169	H31f: -0.026199	varx = 0.201%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.0529002
Distortion 2H-14H:	0.00302186%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.4477	end: 23.4141	delta: 1.9665
P2 start: 43.075	end: 46.7258	delta: 3.6508
P3 start: 65.0323	end: 69.8255	delta: 4.7931
P4 start: 87.4007	end: 90.0	delta: 2.5993

H3: -7.91905e-06	H15: -0.956795	H15f: -0.0637863
H5: -1.49802e-05	H17: 0.914559	H17f: 0.0537976
H7: -1.46125e-05	H19: 0.0416139	H19f: 0.0021902
H9: -1.39317e-05	H21: 0.00069884	H21f: 3.32781e-05
H11: -1.29584e-05	H23: -3.87488e-05	H23f: -1.68473e-06
H13: -7.10684e-06	H25: -4.9692e-05	H25f: -1.98768e-06
	H27: 0.000336498	H27f: 1.24629e-05
	H29: -0.0416481	H29f: -0.00143614
	H31: -0.796019	H31f: -0.025678

c1sd = 0.1563
c1ed = -0.2456
c2sd = 0.2147
c2ed = 0.7861
c3sd = 0.1565
c3ed = 0.9013
c4sd = -0.4017
c4ed = 0.0
varx = 0.219%.

STEP-LOCKED MAGIC SINEWAVE — AEXC14 - 24/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.00495147%		
First strong harmonics:	15 and 17		
Pulses per sine cycle:	14		
Total switching events:	28		
Delta Friendly:	No		

P1 start: 21.3998	end: 23.4505	delta: 2.0506
P2 start: 42.9871	end: 46.7958	delta: 3.8087
P3 start: 64.9211	end: 69.9237	delta: 5.0026
P4 start: 87.2865	end: 90.0	delta: 2.7135

H3: -9.80259e-06	H15: -0.952958	H15f: -0.0635305
H5: -1.81506e-05	H17: 0.907148	H17f: 0.0533617
H7: -2.76008e-05	H19: 0.0451252	H19f: 0.00237501
H9: -2.68781e-05	H21: 0.000820315	H21f: 3.90626e-05
H11: -1.98351e-05	H23: -7.19315e-05	H23f: -3.12745e-06
H13: -1.21863e-05	H25: -8.83245e-05	H25f: -3.53298e-06
	H27: 0.000388485	H27f: 1.43883e-05
	H29: -0.0451749	H29f: -0.00155775
	H31: -0.779128	H31f: -0.0251332

c1sd = 0.1715
c1ed = -0.3264
c2sd = 0.2439
c2ed = 0.7389
c3sd = 0.1993
c3ed = 0.8456
c4sd = -0.3487
c4ed = 0.0
varx = 0.2375%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.0625001
Distortion 2H-14H:	0.00295972%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.3506	end: 23.4852	delta: 2.1347
P2 start: 42.8985	end: 46.8649	delta: 3.9665
P3 start: 64.8093	end: 70.0216	delta: 5.2123
P4 start: 87.1722	end: 90.0	delta: 2.8278

H3: -8.70216e-06	H15: -0.949049	H15f: -0.06327	c1sd = 0.1775
H5: -1.13533e-05	H17: 0.899356	H17f: 0.0529033	c1ed = -0.3943
H7: -1.82138e-05	H19: 0.0487694	H19f: 0.00256681	c2sd = 0.2579
H9: -1.53468e-05	H21: 0.000997872	H21f: 4.75177e-05	c2ed = 0.7054
H11: -8.25142e-06	H23: -4.00968e-05	H23f: -1.74334e-06	c3sd = 0.2225
H13: -6.00122e-06	H25: -5.89764e-05	H25f: -2.35906e-06	c3ed = 0.8085
	H27: 0.00049753	H27f: 1.8427e-05	c4sd = -0.3165
	H29: -0.0488022	H29f: -0.00168283	c4ed = 0.0
	H31: -0.76189	H31f: -0.0245771	varx = 0.2567%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.0025068%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.3015	end: 23.5201	delta: 2.2185
P2 start: 42.8096	end: 46.9337	delta: 4.1241
P3 start: 64.6971	end: 70.1193	delta: 5.4222
P4 start: 87.0577	end: 90.0	delta: 2.9423

H3: -4.08644e-06	H15: -0.944954	H15f: -0.0629969	c1sd = 0.1994
H5: -1.24344e-05	H17: 0.891308	H17f: 0.0524299	c1ed = -0.4912
H7: -1.33018e-05	H19: 0.0525317	H19f: 0.00276482	c2sd = 0.3009
H9: -1.20647e-05	H21: 0.00116885	H21f: 5.56594e-05	c2ed = 0.6424
H11: -1.0508e-05	H23: -2.37318e-05	H23f: -1.03182e-06	c3sd = 0.2836
H13: -4.9172e-06	H25: -4.80799e-05	H25f: -1.92319e-06	c3ed = 0.7328
	H27: 0.000583658	H27f: 2.1617e-05	c4sd = -0.2427
	H29: -0.0525493	H29f: -0.00181205	c4ed = 0.0
	H31: -0.744123	H31f: -0.024004	varx = 0.2765%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.27
Actual Power:	0.0729001
Distortion 2H-14H:	0.00250005%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.2525	end: 23.5547	delta: 2.3022
P2 start: 42.7204	end: 47.0021	delta: 4.2817
P3 start: 64.5846	end: 70.2168	delta: 5.6322
P4 start: 86.9431	end: 90.0	delta: 3.0569

H3: -9.18187e-06	H15: -0.940691	H15f: -0.0627128	c1sd = 0.1616
H5: -1.10745e-05	H17: 0.882989	H17f: 0.0519406	c1ed = -0.4776
H7: -1.28493e-05	H19: 0.0563877	H19f: 0.00296778	c2sd = 0.2327
H9: -1.02125e-05	H21: 0.00136252	H21f: 6.48818e-05	c2ed = 0.6898
H11: -1.10642e-05	H23: -1.82578e-05	H23f: -7.93818e-07	c3sd = 0.1986
H13: -5.12426e-06	H25: -4.83791e-05	H25f: -1.93516e-06	c3ed = 0.8027
	H27: 0.000685923	H27f: 2.54046e-05	c4sd = -0.3275
	H29: -0.0564168	H29f: -0.00194541	c4ed = 0.0
	H31: -0.725886	H31f: -0.0234157	varx = 0.2968%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.00291916%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.2034	end: 23.589	delta: 2.3857
P2 start: 42.6308	end: 47.0699	delta: 4.4391
P3 start: 64.4716	end: 70.3139	delta: 5.8423
P4 start: 86.8283	end: 90.0	delta: 3.1717

H3: -7.04702e-06	H15: -0.936271	H15f: -0.062418	c1sd = 0.1873
H5: -1.14921e-05	H17: 0.874393	H17f: 0.0514349	c1ed = -0.5823
H7: -1.62624e-05	H19: 0.0603641	H19f: 0.00317706	c2sd = 0.2821
H9: -1.52083e-05	H21: 0.00157453	H21f: 7.49777e-05	c2ed = 0.6186
H11: -1.27881e-05	H23: -2.42285e-05	H23f: -1.05342e-06	c3sd = 0.2684
H13: -3.33587e-06	H25: -6.32605e-05	H25f: -2.53042e-06	c3ed = 0.7172
	H27: 0.0007929	H27f: 2.93667e-05	c4sd = -0.2439
	H29: -0.0603821	H29f: -0.00208214	c4ed = 0.0
	H31: -0.707223	H31f: -0.0228136	varx = 0.3178%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.0840999
Distortion 2H-14H:	0.00209965%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.1536	end: 23.6226	delta: 2.4689
P2 start: 42.5408	end: 47.1371	delta: 4.5963
P3 start: 64.3581	end: 70.4108	delta: 6.0527
P4 start: 86.7133	end: 90.0	delta: 3.2867

H3: -3.40201e-06	H15: -0.931722	H15f: -0.0621148
H5: -1.04154e-05	H17: 0.86549	H17f: 0.0509112
H7: -9.64527e-06	H19: 0.0644432	H19f: 0.00339175
H9: -1.16017e-05	H21: 0.00182041	H21f: 8.66864e-05
H11: -9.20685e-06	H23: -4.27812e-06	H23f: -1.86005e-07
H13: -2.89876e-06	H25: -5.31237e-05	H25f: -2.12495e-06
	H27: 0.000926375	H27f: 3.43102e-05
	H29: -0.0644509	H29f: -0.00222244
	H31: -0.688213	H31f: -0.0222004

c1sd = 0.1546
c1ed = -0.5803
c2sd = 0.2236
c2ed = 0.6542
c3sd = 0.1964
c3ed = 0.7726
c4sd = -0.3138
c4ed = 0.0
varx = 0.3393%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.0899997
Distortion 2H-14H:	0.0028503%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.1042	end: 23.6562	delta: 2.552
P2 start: 42.4505	end: 47.2039	delta: 4.7534
P3 start: 64.2444	end: 70.5076	delta: 6.2632
P4 start: 86.598	end: 90.0	delta: 3.402

H3: -1.1468e-05	H15: -0.926985	H15f: -0.061799	c1sd = 0.1605
H5: -9.3599e-06	H17: 0.856351	H17f: 0.0503736	c1ed = -0.6496
H7: -1.49975e-05	H19: 0.0685998	H19f: 0.00361051	c2sd = 0.2362
H9: -1.30701e-05	H21: 0.00207944	H21f: 9.9021e-05	c2ed = 0.6182
H11: -1.17286e-05	H23: -7.32514e-06	H23f: -3.18484e-07	c3sd = 0.2179
H13: -7.74479e-06	H25: -6.68854e-05	H25f: -2.67541e-06	c3ed = 0.7341
	H27: 0.00106103	H27f: 3.92975e-05	c4sd = -0.2822
	H29: -0.0686351	H29f: -0.00236673	c4ed = 0.0
	H31: -0.668778	H31f: -0.0215735	varx = 0.3612%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.0961003
Distortion 2H-14H:	0.00101446%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.0538	end: 23.6886	delta: 2.6349
P2 start: 42.3595	end: 47.2699	delta: 4.9104
P3 start: 64.1299	end: 70.6039	delta: 6.474
P4 start: 86.4826	end: 90.0	delta: 3.5174

H3: -3.26412e-06	H15: -0.922158	H15f: -0.0614772
H5: -4.50449e-06	H17: 0.846872	H17f: 0.049816
H7: -5.141e-06	H19: 0.0728837	H19f: 0.00383598
H9: -4.59698e-06	H21: 0.00238863	H21f: 0.000113744
H11: -4.67363e-06	H23: 2.6929e-05	H23f: 1.17083e-06
H13: -1.60068e-06	H25: -4.48099e-05	H25f: -1.7924e-06
	H27: 0.0012344	H27f: 4.57186e-05
	H29: -0.0728854	H29f: -0.00251329
	H31: -0.649112	H31f: -0.0209391

c1sd = 0.1497
c1ed = -0.6907
c2sd = 0.2188
c2ed = 0.6106
c3sd = 0.2002
c3ed = 0.7336
c4sd = -0.2926
c4ed = 0.0
varx = 0.3837%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.00227981%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 21.0041	end: 23.7216	delta: 2.7174
P2 start: 42.2684	end: 47.3356	delta: 5.0672
P3 start: 64.0152	end: 70.7001	delta: 6.6849
P4 start: 86.367	end: 90.0	delta: 3.633

H3: -2.21349e-06	H15: -0.917114	H15f: -0.0611409	c1sd = 0.1452
H5: -1.00556e-05	H17: 0.8372	H17f: 0.0492471	c1ed = -0.7417
H7: -1.15869e-05	H19: 0.0772376	H19f: 0.00406514	c2sd = 0.2117
H9: -1.32019e-05	H21: 0.00269331	H21f: 0.000128253	c2ed = 0.5923
H11: -8.90425e-06	H23: 1.4477e-05	H23f: 6.29436e-07	c3sd = 0.1958
H13: -5.0898e-06	H25: -7.37376e-05	H25f: -2.9495e-06	c3ed = 0.7194
	H27: 0.0013871	H27f: 5.13741e-05	c4sd = -0.2884
	H29: -0.0772415	H29f: -0.0026635	c4ed = 0.0
	H31: -0.629031	H31f: -0.0202913	varx = 0.4067%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.00191396%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.9537	end: 23.7535	delta: 2.7998
P2 start: 42.1768	end: 47.4006	delta: 5.2238
P3 start: 63.8999	end: 70.7959	delta: 6.896
P4 start: 86.2511	end: 90.0	delta: 3.7489

H3: -5.51934e-06	H15: -0.911953	H15f: -0.0607969	c1sd = 0.15
H5: -6.53122e-06	H17: 0.827227	H17f: 0.0486604	c1ed = -0.8121
H7: -1.16958e-05	H19: 0.0816753	H19f: 0.0042987	c2sd = 0.2225
H9: -8.6112e-06	H21: 0.00304647	H21f: 0.00014507	c2ed = 0.5549
H11: -8.32083e-06	H23: 3.10963e-05	H23f: 1.35201e-06	c3sd = 0.2151
H13: -3.6088e-06	H25: -7.42812e-05	H25f: -2.97125e-06	c3ed = 0.6807
	H27: 0.00157888	H27f: 5.84771e-05	c4sd = -0.2581
	H29: -0.0816802	H29f: -0.00281656	c4ed = 0.0
	H31: -0.608732	H31f: -0.0196365	varx = 0.4301%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.34
Actual Amplitude:	0.34
Actual Power:	0.1156
Distortion 2H-14H:	0.00181339%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.9032	end: 23.7852	delta: 2.8819
P2 start: 42.0849	end: 47.4651	delta: 5.3802
P3 start: 63.7841	end: 70.8915	delta: 7.1074
P4 start: 86.135	end: 90.0	delta: 3.865

H3: -6.24985e-06	H15: -0.906638	H15f: -0.0604425	c1sd = 0.1541
H5: -6.11592e-06	H17: 0.816999	H17f: 0.0480588	c1ed = -0.8821
H7: -8.22684e-06	H19: 0.0861903	H19f: 0.00453633	c2sd = 0.2321
H9: -8.43233e-06	H21: 0.0034276	H21f: 0.000163219	c2ed = 0.5178
H11: -7.02093e-06	H23: 4.85237e-05	H23f: 2.10972e-06	c3sd = 0.233
H13: -8.01835e-06	H25: -7.78284e-05	H25f: -3.11314e-06	c3ed = 0.6427
	H27: 0.00178436	H27f: 6.60876e-05	c4sd = -0.2292
	H29: -0.0862031	H29f: -0.00297252	c4ed = 0.0
	H31: -0.588183	H31f: -0.0189736	varx = 0.4539%.

STEP-LOCKED MAGIC SINEWAVE   AEXC14 - 35/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.00379979%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.8532	end: 23.817	delta: 2.9638
P2 start: 41.9926	end: 47.529	delta: 5.5365
P3 start: 63.6679	end: 70.9868	delta: 7.3189
P4 start: 86.0187	end: 90.0	delta: 3.9813

H3: -9.39603e-06	H15: -0.901137	H15f: -0.0600758	c1sd = 0.1551
H5: -1.34869e-05	H17: 0.806558	H17f: 0.0474446	c1ed = -0.9451
H7: -1.91741e-05	H19: 0.0907859	H19f: 0.0047782	c2sd = 0.2346
H9: -2.10086e-05	H21: 0.00381789	H21f: 0.000181804	c2ed = 0.487
H11: -1.74648e-05	H23: 2.98096e-05	H23f: 1.29607e-06	c3sd = 0.2413
H13: -7.72253e-06	H25: -0.000122839	H25f: -4.91357e-06	c3ed = 0.6134
	H27: 0.00197792	H27f: 7.32563e-05	c4sd = -0.2103
	H29: -0.0907934	H29f: -0.00313081	c4ed = 0.0
	H31: -0.567356	H31f: -0.0183018	varx = 0.4781%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.00142032%	
First strong harmonics:	15 and 17	
Pulses per sine cycle:	14	
Total switching events:	28	
Delta Friendly:	No	

P1 start: 20.8016	end: 23.847	delta: 3.0454
P2 start: 41.8995	end: 47.592	delta: 5.6925
P3 start: 63.551	end: 71.0818	delta: 7.5308
P4 start: 85.9021	end: 90.0	delta: 4.0979

H3: -2.24862e-06	H15: -0.895579	H15f: -0.0597053	c1sd = 0.198
H5: -5.27021e-06	H17: 0.795766	H17f: 0.0468097	c1ed = -1.0906
H7: -6.62541e-06	H19: 0.095459	H19f: 0.00502416	c2sd = 0.3172
H9: -8.97107e-06	H21: 0.00429423	H21f: 0.000204487	c2ed = 0.3744
H11: -4.96358e-06	H23: 8.25819e-05	H23f: 3.59052e-06	c3sd = 0.3552
H13: -4.45941e-06	H25: -9.62214e-05	H25f: -3.84885e-06	c3ed = 0.4775
	H27: 0.00225218	H27f: 8.34142e-05	c4sd = -0.0763
	H29: -0.0954455	H29f: -0.00329122	c4ed = 0.0
	H31: -0.546498	H31f: -0.017629	varx = 0.5028%.

STEP-LOCKED MAGIC SINEWAVE | AEXC14 - 37/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.00186077%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.7507	end: 23.8774	delta: 3.1268
P2 start: 41.8063	end: 47.6547	delta: 5.8483
P3 start: 63.4337	end: 71.1764	delta: 7.7428
P4 start: 85.7852	end: 90.0	delta: 4.2148

H3: -4.3757e-06	H15: -0.889815	H15f: -0.059321	c1sd = 0.1875
H5: -6.76866e-06	H17: 0.78479	H17f: 0.0461641	c1ed = -1.1354
H7: -9.87462e-06	H19: 0.100186	H19f: 0.00527295	c2sd = 0.2991
H9: -1.01416e-05	H21: 0.00477254	H21f: 0.000227264	c2ed = 0.3618
H11: -7.47722e-06	H23: 9.47077e-05	H23f: 4.11772e-06	c3sd = 0.3367
H13: -5.00155e-06	H25: -0.000116208	H25f: -4.6483e-06	c3ed = 0.4733
	H27: 0.00250841	H27f: 9.29042e-05	c4sd = -0.0859
	H29: -0.100171	H29f: -0.00345416	c4ed = 0.0
	H31: -0.525394	H31f: -0.0169482	varx = 0.5277%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.379999
Actual Power:	0.144399
Distortion 2H-14H:	0.00106049%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.6991	end: 23.907	delta: 3.2078
P2 start: 41.7126	end: 47.7165	delta: 6.0039
P3 start: 63.3157	end: 71.2708	delta: 7.9551
P4 start: 85.668	end: 90.0	delta: 4.332

H3: -1.59771e-06	H15: -0.883934	H15f: -0.058929	c1sd = 0.2058
H5: -6.27101e-06	H17: 0.773541	H17f: 0.0455024	c1ed = -1.2356
H7: -3.7375e-06	H19: 0.104978	H19f: 0.00552514	c2sd = 0.3351
H9: -6.54617e-06	H21: 0.00530289	H21f: 0.000252519	c2ed = 0.2939
H11: -3.37697e-06	H23: 0.000128199	H23f: 5.57386e-06	c3sd = 0.3893
H13: -1.53626e-06	H25: -0.000117719	H25f: -4.70877e-06	c3ed = 0.3972
	H27: 0.00280139	H27f: 0.000103755	c4sd = -0.0179
	H29: -0.104947	H29f: -0.00361886	c4ed = 0.0
	H31: -0.50422	H31f: -0.0162652	varx = 0.553%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000795071%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.6476	end: 23.9362	delta: 3.2886
P2 start: 41.6184	end: 47.7777	delta: 6.1593
P3 start: 63.1972	end: 71.3648	delta: 8.1676
P4 start: 85.5506	end: 90.0	delta: 4.4494

H3: 7.7837e-07	H15: -0.877899	H15f: -0.0585266
H5: -3.19132e-06	H17: 0.762063	H17f: 0.0448272
H7: -3.78065e-06	H19: 0.109824	H19f: 0.00578018
H9: -4.47563e-06	H21: 0.00587031	H21f: 0.000279538
H11: -3.85647e-06	H23: 0.000156402	H23f: 6.80007e-06
H13: -1.79624e-06	H25: -0.000132572	H25f: -5.30288e-06
	H27: 0.00311202	H27f: 0.00011526
	H29: -0.109779	H29f: -0.00378548
	H31: -0.482945	H31f: -0.0155789

$c_{1sd} = 0.1853$
$c_{1ed} = -1.2639$
$c_{2sd} = 0.2985$
$c_{2ed} = 0.2976$
$c_{3sd} = 0.3465$
$c_{3ed} = 0.4155$
$c_{4sd} = -0.0532$
$c_{4ed} = 0.0$
$var x = 0.5786\%.$

STEP-LOCKED MAGIC SINEWAVE | AEXC14 - 40/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.00125203%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.5961	end: 23.9651	delta: 3.369
P2 start: 41.5239	end: 47.8383	delta: 6.3144
P3 start: 63.0781	end: 71.4586	delta: 8.3805
P4 start: 85.4328	end: 90.0	delta: 4.5672

H3: -4.11076e-06	H15: -0.871704	H15f: -0.0581136	c_{1sd} = 0.1667
H5: -4.85702e-06	H17: 0.750368	H17f: 0.0441393	c_{1ed} = -1.2962
H7: -4.87871e-06	H19: 0.114707	H19f: 0.00603722	c_{2sd} = 0.2652
H9: -8.34801e-06	H21: 0.00647198	H21f: 0.000308189	c_{2ed} = 0.297
H11: -3.86354e-06	H23: 0.000177304	H23f: 7.70889e-06	c_{3sd} = 0.3078
H13: -2.80213e-06	H25: -0.000159553	H25f: -6.38213e-06	c_{3ed} = 0.4289
	H27: 0.0034409	H27f: 0.000127441	c_{4sd} = -0.0837
	H29: -0.114664	H29f: -0.00395392	c_{4ed} = 0.0
	H31: -0.461595	H31f: -0.0148902	varx = 0.6044%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.00050432%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.544	end: 23.9932	delta: 3.4492
P2 start: 41.4288	end: 47.898	delta: 6.4693
P3 start: 62.9584	end: 71.552	delta: 8.5936
P4 start: 85.3146	end: 90.0	delta: 4.6854

H3: -1.1723e-06	H15: -0.865395	H15f: -0.057693	c_{1sd} = 0.1864
H5: -2.33226e-06	H17: 0.738413	H17f: 0.0434361	c_{1ed} = -1.4015
H7: -1.53369e-06	H19: 0.119644	H19f: 0.00629703	c_{2sd} = 0.3034
H9: -3.06444e-06	H21: 0.00712797	H21f: 0.000339427	c_{2ed} = 0.2234
H11: -2.23803e-06	H23: 0.000221348	H23f: 9.62381e-06	c_{3sd} = 0.3635
H13: -1.36689e-06	H25: -0.000169685	H25f: -6.7874e-06	c_{3ed} = 0.3469
	H27: 0.00380667	H27f: 0.000140988	c_{4sd} = -0.0114
	H29: -0.119581	H29f: -0.00412348	c_{4ed} = 0.0
	H31: -0.440272	H31f: -0.0142023	varx = 0.6305%.

STEP-LOCKED MAGIC SINEWAVE   AEXC14 - 42/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.419999
Actual Power:	0.176399
Distortion 2H-14H:	0.00143668%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.4922	end: 24.0212	delta: 3.529
P2 start: 41.3334	end: 47.9572	delta: 6.6239
P3 start: 62.8381	end: 71.645	delta: 8.8069
P4 start: 85.1962	end: 90.0	delta: 4.8038

H3: -1.68647e-06	H15: -0.858913	H15f: -0.0572609	c1sd = 0.1885
H5: -5.05941e-06	H17: 0.72627	H17f: 0.0427218	c1ed = -1.4735
H7: -8.02795e-06	H19: 0.124613	H19f: 0.00655856	c2sd = 0.3081
H9: -8.85397e-06	H21: 0.00781611	H21f: 0.000372196	c2ed = 0.1825
H11: -4.51733e-06	H23: 0.000240511	H23f: 1.0457e-05	c3sd = 0.3747
H13: -3.83626e-06	H25: -0.000214064	H25f: -8.56255e-06	c3ed = 0.3084
	H27: 0.00418076	H27f: 0.000154843	c4sd = 0.0129
	H29: -0.124535	H29f: -0.00429432	c4ed = 0.0
	H31: -0.418918	H31f: -0.0135135	varx = 0.6567%.

STEP-LOCKED MAGIC SINEWAVE | AEXC14 - 43/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.429999
Actual Power:	0.184899
Distortion 2H-14H:	0.000677012%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.4397	end: 24.0482	delta: 3.6085
P2 start: 41.2373	end: 48.0155	delta: 6.7781
P3 start: 62.7171	end: 71.7377	delta: 9.0206
P4 start: 85.0773	end: 90.0	delta: 4.9227

H3: -1.76491e-07	H15: -0.852324	H15f: -0.0568216	c1sd = 0.1483
H5: -3.14154e-06	H17: 0.713866	H17f: 0.0419921	c1ed = -1.4694
H7: -3.50461e-06	H19: 0.129615	H19f: 0.00682185	c2sd = 0.2349
H9: -3.80437e-06	H21: 0.00856418	H21f: 0.000407818	c2ed = 0.2179
H11: -2.93617e-06	H23: 0.000293589	H23f: 1.27647e-05	c3sd = 0.2838
H13: -7.46693e-07	H25: -0.000229813	H25f: -9.19251e-06	c3ed = 0.371
	H27: 0.00460145	H27f: 0.000170424	c4sd = -0.0733
	H29: -0.129515	H29f: -0.00446605	c4ed = 0.0
	H31: -0.397661	H31f: -0.0128278	varx = 0.6832%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.439999
Actual Power:	0.193599
Distortion 2H-14H:	0.000488284%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.3872	end: 24.0748	delta: 3.6876
P2 start: 41.1409	end: 48.0731	delta: 6.9321
P3 start: 62.5955	end: 71.83	delta: 9.2346
P4 start: 84.9581	end: 90.0	delta: 5.0419

H3: -1.03488e-06	H15: -0.845584	H15f: -0.0563722	c1sd = 0.1738
H5: -1.58681e-06	H17: 0.701259	H17f: 0.0412505	c1ed = -1.5878
H7: -2.31616e-06	H19: 0.134637	H19f: 0.00708616	c2sd = 0.2836
H9: -3.16213e-06	H21: 0.00935964	H21f: 0.000445697	c2ed = 0.1304
H11: -1.11328e-06	H23: 0.000342335	H23f: 1.48841e-05	c3sd = 0.3528
H13: -1.91055e-06	H25: -0.000259561	H25f: -1.03825e-05	c3ed = 0.2727
	H27: 0.00504807	H27f: 0.000186966	c4sd = 0.0145
	H29: -0.134522	H29f: -0.00463869	c4ed = 0.0
	H31: -0.376471	H31f: -0.0121442	varx = 0.7098%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.449999
Actual Power:	0.202499
Distortion 2H-14H:	0.00114006%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.3347	end: 24.1011	delta: 3.7664
P2 start: 41.0441	end: 48.1299	delta: 7.0858
P3 start: 62.4731	end: 71.922	delta: 9.4489
P4 start: 84.8385	end: 90.0	delta: 5.1615

H3: -3.14808e-06	H15: -0.838691	H15f: -0.0559127	c1sd = 0.2033
H5: -4.75585e-06	H17: 0.688458	H17f: 0.0404975	c1ed = -1.7138
H7: -5.56535e-06	H19: 0.139679	H19f: 0.00735154	c2sd = 0.339
H9: -6.57723e-06	H21: 0.0101946	H21f: 0.000485456	c2ed = 0.0349
H11: -4.17018e-06	H23: 0.000383401	H23f: 1.66696e-05	c3sd = 0.4307
H13: -2.41295e-06	H25: -0.000307052	H25f: -1.22821e-05	c3ed = 0.1644
	H27: 0.00551267	H27f: 0.000204173	c4sd = 0.1123
	H29: -0.139542	H29f: -0.00481178	c4ed = 0.0
	H31: -0.355378	H31f: -0.0114638	varx = 0.7365%.

STEP-LOCKED MAGIC SINEWAVE — AEXC14 - 46/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000538765%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.2817	end: 24.1265	delta: 3.8448
P2 start: 40.9466	end: 48.1858	delta: 7.2392
P3 start: 62.35	end: 72.0135	delta: 9.6635
P4 start: 84.7185	end: 90.0	delta: 5.2815

H3: -1.37484e-06	H15: -0.831686	H15f: -0.0554458
H5: -2.17774e-06	H17: 0.675419	H17f: 0.0397305
H7: -2.26259e-06	H19: 0.144737	H19f: 0.00761774
H9: -2.63969e-06	H21: 0.0110961	H21f: 0.000528386
H11: -3.14963e-06	H23: 0.000450583	H23f: 1.95906e-05
H13: -6.21849e-07	H25: -0.000339213	H25f: -1.35685e-05
	H27: 0.00602505	H27f: 0.00022315
	H29: -0.144568	H29f: -0.00498511
	H31: -0.334471	H31f: -0.0107894

$c1sd = 0.2157$
$c1ed = -1.8101$
$c2sd = 0.3632$
$c2ed = -0.0308$
$c3sd = 0.4675$
$c3ed = 0.096$
$c4sd = 0.1658$
$c4ed = 0.0$
$varx = 0.7633\%$.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.47		
Actual Amplitude:	0.47		
Actual Power:	0.2209		
Distortion 2H-14H:	0.000340734%		
First strong harmonics:	15 and 17		
Pulses per sine cycle:	14		
Total switching events:	28		
Delta Friendly:	No		

P1 start: 20.2285	end: 24.1514	delta: 3.9228
P2 start: 40.8487	end: 48.2408	delta: 7.3922
P3 start: 62.2262	end: 72.1046	delta: 9.8784
P4 start: 84.598	end: 90.0	delta: 5.402

H3: -7.53528e-07	H15: -0.824539	H15f: -0.0549693
H5: -1.16259e-06	H17: 0.662189	H17f: 0.0389523
H7: -2.23752e-06	H19: 0.149798	H19f: 0.00788412
H9: -1.84794e-06	H21: 0.0120503	H21f: 0.000573823
H11: -1.07157e-06	H23: 0.000516494	H23f: 2.24563e-05
H13: -3.47782e-07	H25: -0.000384506	H25f: -1.53802e-05
	H27: 0.00656757	H27f: 0.000243243
	H29: -0.149595	H29f: -0.00515845
	H31: -0.313741	H31f: -0.0101207

$c_{1sd} = 0.2412$
$c_{1ed} = -1.9313$
$c_{2sd} = 0.4113$
$c_{2ed} = -0.1218$
$c_{3sd} = 0.5358$
$c_{3ed} = -0.0049$
$c_{4sd} = 0.2539$
$c_{4ed} = 0.0$
$varx = 0.7902\%.$

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000515241%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.1753	end: 24.1758	delta: 4.0005
P2 start: 40.7503	end: 48.2951	delta: 7.5448
P3 start: 62.1017	end: 72.1953	delta: 10.0937
P4 start: 84.4771	end: 90.0	delta: 5.5229

H3: -1.15945e-06	H15: -0.817251	H15f: -0.0544834	c1sd = 0.2305
H5: -1.99214e-06	H17: 0.648772	H17f: 0.038163	c1ed = -1.9859
H7: -2.28125e-06	H19: 0.154858	H19f: 0.00815044	c2sd = 0.392
H9: -2.03782e-06	H21: 0.013055	H21f: 0.000621664	c2ed = -0.1466
H11: -3.29149e-06	H23: 0.000586135	H23f: 2.54841e-05	c3sd = 0.5151
H13: -1.02161e-06	H25: -0.00043896	H25f: -1.75584e-05	c3ed = -0.0181
	H27: 0.00713773	H27f: 0.00026436	c4sd = 0.2458
	H29: -0.154618	H29f: -0.00533167	c4ed = 0.0
	H31: -0.293221	H31f: -0.00945873	varx = 0.817%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000170785%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.1217	end: 24.1994	delta: 4.0777
P2 start: 40.6513	end: 48.3483	delta: 7.697
P3 start: 61.9763	end: 72.2856	delta: 10.3093
P4 start: 84.3557	end: 90.0	delta: 5.6443

H3: -1.03253e-07	H15: -0.809838	H15f: -0.0539892	c1sd = 0.1731
H5: -7.74398e-07	H17: 0.635149	H17f: 0.0373617	c1ed = -1.9552
H7: -7.30147e-07	H19: 0.159912	H19f: 0.00841642	c2sd = 0.286
H9: -9.12069e-07	H21: 0.0141254	H21f: 0.000672637	c2ed = -0.0863
H11: -8.87038e-07	H23: 0.000669417	H23f: 2.91051e-05	c3sd = 0.3805
H13: -3.93156e-07	H25: -0.000493447	H25f: -1.97379e-05	c3ed = 0.0814
	H27: 0.00775278	H27f: 0.00028714	c4sd = 0.1143
	H29: -0.159626	H29f: -0.00550434	c4ed = 0.0
	H31: -0.272965	H31f: -0.00880534	varx = 0.8439%.

STEP-LOCKED MAGIC SINEWAVE · AEXC14 - 50/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000390348%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.068	end: 24.2226	delta: 4.1545
P2 start: 40.5519	end: 48.4007	delta: 7.8488
P3 start: 61.8501	end: 72.3754	delta: 10.5253
P4 start: 84.2337	end: 90.0	delta: 5.7663

H3: -8.09504e-07	H15: -0.802284	H15f: -0.0534856	c1sd = 0.1671
H5: -1.42675e-06	H17: 0.621351	H17f: 0.03655	c1ed = -2.0206
H7: -2.27673e-06	H19: 0.164952	H19f: 0.00868167	c2sd = 0.2751
H9: -2.34419e-06	H21: 0.0152509	H21f: 0.000726233	c2ed = -0.1225
H11: -1.10387e-06	H23: 0.000754488	H23f: 3.28038e-05	c3sd = 0.3707
H13: -8.05612e-07	H25: -0.000562935	H25f: -2.25174e-05	c3ed = 0.0548
	H27: 0.00839836	H27f: 0.00031105	c4sd = 0.1188
	H29: -0.164614	H29f: -0.00567635	c4ed = 0.0
	H31: -0.252984	H31f: -0.00816078	varx = 0.8707%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000678389%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 20.0142	end: 24.2451	delta: 4.2309
P2 start: 40.4519	end: 48.4521	delta: 8.0002
P3 start: 61.7231	end: 72.4647	delta: 10.7416
P4 start: 84.1113	end: 90.0	delta: 5.8887

H3: -2.4305e-06	H15: -0.794596	H15f: -0.0529731	c1sd = 0.2107
H5: -2.88684e-06	H17: 0.607374	H17f: 0.0357279	c1ed = -2.1792
H7: -4.16657e-06	H19: 0.16997	H19f: 0.00894577	c2sd = 0.3562
H9: -2.76118e-06	H21: 0.0164354	H21f: 0.000782636	c2ed = -0.2522
H11: -2.31326e-06	H23: 0.000848349	H23f: 3.68848e-05	c3sd = 0.4818
H13: -1.20189e-06	H25: -0.000640782	H25f: -2.56313e-05	c3ed = -0.0939
	H27: 0.00908133	H27f: 0.000336346	c4sd = 0.2548
	H29: -0.169573	H29f: -0.00584736	c4ed = 0.0
	H31: -0.233321	H31f: -0.00752649	varx = 0.8974%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.52
Actual Amplitude:	0.52
Actual Power:	0.2704
Distortion 2H-14H:	0.00146933%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.9603	end: 24.2672	delta: 4.3068
P2 start: 40.3514	end: 48.5025	delta: 8.1512
P3 start: 61.5952	end: 72.5536	delta: 10.9584
P4 start: 83.9883	end: 90.0	delta: 6.0117

H3: -1.99457e-06	H15: -0.78677	H15f: -0.0524513	c1sd = 0.2554
H5: -6.62587e-06	H17: 0.593232	H17f: 0.034896	c1ed = -2.3403
H7: -6.46324e-06	H19: 0.174962	H19f: 0.00920852	c2sd = 0.4388
H9: -8.69179e-06	H21: 0.0176822	H21f: 0.000842008	c2ed = -0.3849
H11: -5.69182e-06	H23: 0.000943485	H23f: 4.10211e-05	c3sd = 0.5947
H13: -4.27729e-06	H25: -0.000732827	H25f: -2.93131e-05	c3ed = -0.2459
	H27: 0.00979544	H27f: 0.000362794	c4sd = 0.3932
	H29: -0.174496	H29f: -0.00601712	c4ed = 0.0
	H31: -0.214	H31f: -0.00690323	varx = 0.9241%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.53
Actual Power:	0.2809
Distortion 2H-14H:	0.00030198%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.9056	end: 24.2879	delta: 4.3824
P2 start: 40.2501	end: 48.5518	delta: 8.3016
P3 start: 61.4663	end: 72.6418	delta: 11.1755
P4 start: 83.8647	end: 90.0	delta: 6.1353

H3: -4.29572e-07	H15: -0.77885	H15f: -0.0519233	c_{1sd} = 0.2134
H5: -1.17416e-06	H17: 0.578874	H17f: 0.0340514	c_{1ed} = -2.3433
H7: -1.86148e-06	H19: 0.179919	H19f: 0.00946942	c_{2sd} = 0.3613
H9: -1.51146e-06	H21: 0.0190108	H21f: 0.000905276	c_{2ed} = -0.3594
H11: -1.21061e-06	H23: 0.00108045	H23f: 4.69763e-05	c_{3sd} = 0.4971
H13: -5.83777e-07	H25: -0.000806524	H25f: -3.2261e-05	c_{3ed} = -0.1889
	H27: 0.0105815	H27f: 0.000391907	c_{4sd} = 0.3035
	H29: -0.179372	H29f: -0.00618526	c_{4ed} = 0.0
	H31: -0.19511	H31f: -0.00629387	varx = 0.9506%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.54
Actual Amplitude:	0.54
Actual Power:	0.2916
Distortion 2H-14H:	0.000145168%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.8509	end: 24.3083	delta: 4.4574
P2 start: 40.1484	end: 48.6	delta: 8.4516
P3 start: 61.3365	end: 72.7295	delta: 11.393
P4 start: 83.7404	end: 90.0	delta: 6.2596

H_3: -3.27924e-07	H_{15}: -0.770783	$H_{15}f$: -0.0513855	c_{1sd} = 0.2437
H_5: -7.87018e-07	H_{17}: 0.564372	$H_{17}f$: 0.0331984	c_{1ed} = -2.4807
H_7: -7.83002e-07	H_{19}: 0.184835	$H_{19}f$: 0.00972813	c_{2sd} = 0.4173
H_9: -7.02694e-07	H_{21}: 0.0203985	$H_{21}f$: 0.000971359	c_{2ed} = -0.469
H_{11}: -4.85498e-07	H_{23}: 0.00121433	$H_{23}f$: 5.27969e-05	c_{3sd} = 0.5746
H_{13}: 1.94592e-07	H_{25}: -0.000903744	$H_{25}f$: -3.61497e-05	c_{3ed} = -0.3086
	H_{27}: 0.0113958	$H_{27}f$: 0.000422067	c_{4sd} = 0.4044
	H_{29}: -0.184196	$H_{29}f$: -0.00635159	c_{4ed} = 0.0
	H_{31}: -0.176615	$H_{31}f$: -0.00569725	varx = 0.9769%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.550001
Actual Power:	0.302501
Distortion 2H-14H:	0.00033533%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.7962	end: 24.3281	delta: 4.5319
P2 start: 40.0461	end: 48.6471	delta: 8.601
P3 start: 61.2058	end: 72.8167	delta: 11.6109
P4 start: 83.6155	end: 90.0	delta: 6.3845

H3: -6.89917e-07	H15: -0.762581	H15f: -0.0508388	c1sd = 0.2277
H5: -7.72707e-07	H17: 0.549719	H17f: 0.0323364	c1ed = -2.533
H7: -1.69523e-06	H19: 0.189702	H19f: 0.0099843	c2sd = 0.3871
H9: -1.76312e-06	H21: 0.0218517	H21f: 0.00104056	c2ed = -0.4939
H11: -1.91922e-06	H23: 0.0013567	H23f: 5.8987e-05	c3sd = 0.5386
H13: -7.11146e-07	H25: -0.00101763	H25f: -4.07051e-05	c3ed = -0.3162
	H27: 0.0122494	H27f: 0.000453682	c4sd = 0.3824
	H29: -0.188959	H29f: -0.00651581	c4ed = 0.0
	H31: -0.158562	H31f: -0.00511491	varx = 1.003%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	8.10135e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.741	end: 24.3469	delta: 4.6059
P2 start: 39.9431	end: 48.693	delta: 8.7499
P3 start: 61.0739	end: 72.9032	delta: 11.8292
P4 start: 83.4899	end: 90.0	delta: 6.5101

H3: -1.80693e-07	H15: -0.754263	H15f: -0.0502842	c_{1sd} = 0.1865
H5: -3.25247e-07	H17: 0.534901	H17f: 0.0314648	c_{1ed} = -2.54
H7: -1.5488e-07	H19: 0.194511	H19f: 0.0102374	c_{2sd} = 0.3101
H9: -5.72194e-07	H21: 0.0233807	H21f: 0.00111336	c_{2ed} = -0.474
H11: -1.6016e-07	H23: 0.00151996	H23f: 6.60854e-05	c_{3sd} = 0.4409
H13: -3.75285e-07	H25: -0.00113411	H25f: -4.53646e-05	c_{3ed} = -0.2638
	H27: 0.0131555	H27f: 0.000487239	c_{4sd} = 0.2938
	H29: -0.193648	H29f: -0.00667752	c_{4ed} = 0.0
	H31: -0.141004	H31f: -0.00454853	varx = 1.0288%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.570001		
Actual Power:	0.324901		
Distortion 2H-14H:	0.000381523%		
First strong harmonics:	15 and 17		
Pulses per sine cycle:	14		
Total switching events:	28		
Delta Friendly:	No		

P1 start: 19.6858	end: 24.3653	delta: 4.6794
P2 start: 39.8396	end: 48.7378	delta: 8.8982
P3 start: 60.941	end: 72.989	delta: 12.048
P4 start: 83.3636	end: 90.0	delta: 6.6364

H3: -4.43807e-07	H15: -0.745807	H15f: -0.0497204	c1sd = 0.2805
H5: -1.91724e-06	H17: 0.519946	H17f: 0.0305851	c1ed = -2.7989
H7: -1.54064e-06	H19: 0.199258	H19f: 0.0104873	c2sd = 0.4838
H9: -1.79002e-06	H21: 0.0249752	H21f: 0.00118929	c2ed = -0.7064
H11: -2.19079e-06	H23: 0.00169056	H23f: 7.35024e-05	c3sd = 0.6724
H13: -5.53051e-07	H25: -0.00127295	H25f: -5.09182e-05	c3ed = -0.5423
	H27: 0.0140995	H27f: 0.000522205	c4sd = 0.5631
	H29: -0.198258	H29f: -0.00683649	c4ed = 0.0
	H31: -0.123947	H31f: -0.00399829	varx = 1.0544%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000105398%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.6302	end: 24.3826	delta: 4.7524
P2 start: 39.7354	end: 48.7812	delta: 9.0458
P3 start: 60.807	end: 73.0742	delta: 12.2672
P4 start: 83.2365	end: 90.0	delta: 6.7635

$H3$: -1.74462e-07
$H5$: -4.18709e-07
$H7$: -3.36463e-07
$H9$: -6.39694e-07
$H11$: -6.18547e-07
$H13$: -1.00651e-08

$H15$: -0.737237
$H17$: 0.504835
$H19$: 0.203933
$H21$: 0.0266509
$H23$: 0.00188657
$H25$: -0.00141686
$H27$: 0.0151011
$H29$: -0.202777
$H31$: -0.107449

$H15f$: -0.0491491
$H17f$: 0.0296962
$H19f$: 0.0107333
$H21f$: 0.00126909
$H23f$: 8.20247e-05
$H25f$: -5.66746e-05
$H27f$: 0.000559299
$H29f$: -0.00699231
$H31f$: -0.0034661

$c1sd$ = 0.2588
$c1ed$ = -2.8445
$c2sd$ = 0.4425
$c2ed$ = -0.726
$c3sd$ = 0.6212
$c3ed$ = -0.54
$c4sd$ = 0.5259
$c4ed$ = 0.0
$varx$ = 1.0796%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.0001867%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.5745	end: 24.3993	delta: 4.8248
P2 start: 39.6305	end: 48.8233	delta: 9.1928
P3 start: 60.6719	end: 73.1587	delta: 12.4868
P4 start: 83.1086	end: 90.0	delta: 6.8914

H3: -7.28896e-07	H15: -0.728536	H15f: -0.048569	c_1sd = 0.274
H5: -4.37338e-07	H17: 0.489592	H17f: 0.0287995	c_1ed = -2.9597
H7: -1.01065e-06	H19: 0.208529	H19f: 0.0109752	c_2sd = 0.4695
H9: -1.11478e-06	H21: 0.0283992	H21f: 0.00135234	c_2ed = -0.8157
H11: -6.3145e-07	H23: 0.00209649	H23f: 9.11518e-05	c_3sd = 0.6593
H13: -3.16625e-07	H25: -0.00158021	H25f: -6.32084e-05	c_3ed = -0.6288
	H27: 0.0161473	H27f: 0.000598049	c_4sd = 0.5861
	H29: -0.207196	H29f: -0.00714468	c_4ed = 0.0
	H31: -0.0915193	H31f: -0.00295223	varx = 1.1045%.

STEP-LOCKED MAGIC SINEWAVE — AEXC14 - 60/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.6
Actual Amplitude:	0.6
Actual Power:	0.36
Distortion 2H-14H:	0.000243538%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.5185	end: 24.4151	delta: 4.8967
P2 start: 39.525	end: 48.8641	delta: 9.3391
P3 start: 60.5355	end: 73.2423	delta: 12.7069
P4 start: 82.9798	end: 90.0	delta: 7.0202

H3: -2.95132e-07	H15: -0.719711	H15f: -0.0479807	c1sd = 0.1977
H5: -1.03718e-06	H17: 0.474217	H17f: 0.0278951	c1ed = -2.9061
H7: -1.71658e-06	H19: 0.21304	H19f: 0.0112126	c2sd = 0.3262
H9: -7.72964e-07	H21: 0.0302242	H21f: 0.00143925	c2ed = -0.7371
H11: -9.88882e-07	H23: 0.00232623	H23f: 0.00010114	c3sd = 0.4733
H13: -4.9621e-07	H25: -0.00175942	H25f: -7.03768e-05	c3ed = -0.4955
	H27: 0.0172432	H27f: 0.000638638	c4sd = 0.4034
	H29: -0.211504	H29f: -0.00729322	c4ed = 0.0
	H31: -0.0761961	H31f: -0.00245794	varx = 1.129%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000378177%		
First strong harmonics:	15 and 17		
Pulses per sine cycle:	14		
Total switching events:	28		
Delta Friendly:	No		

P1 start: 19.4622	end: 24.4301	delta: 4.9679
P2 start: 39.4187	end: 48.9034	delta: 9.4846
P3 start: 60.3978	end: 73.3252	delta: 12.9274
P4 start: 82.85	end: 90.0	delta: 7.15

H3: -7.87939e-07	H15: -0.710763	H15f: -0.0473842	c1sd = 0.2697
H5: -2.04035e-06	H17: 0.458716	H17f: 0.0269833	c1ed = -3.1294
H7: -1.63512e-06	H19: 0.217454	H19f: 0.011445	c2sd = 0.4583
H9: -2.22558e-06	H21: 0.0321291	H21f: 0.00152996	c2ed = -0.9361
H11: -1.14232e-06	H23: 0.00257588	H23f: 0.000111995	c3sd = 0.649
H13: -7.65609e-07	H25: -0.00195534	H25f: -7.82136e-05	c3ed = -0.7259
	H27: 0.0183901	H27f: 0.000681115	c4sd = 0.6139
	H29: -0.21569	H29f: -0.00743759	c4ed = 0.0
	H31: -0.0615087	H31f: -0.00198415	varx = 1.153%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.62
Actual Amplitude:	0.62
Actual Power:	0.3844
Distortion 2H-14H:	0.0003249%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.4057	end: 24.4442	delta: 5.0386
P2 start: 39.3118	end: 48.9412	delta: 9.6294
P3 start: 60.2588	end: 73.4072	delta: 13.1484
P4 start: 82.7193	end: 90.0	delta: 7.2807

H3: -5.71223e-07	H15: -0.701694	H15f: -0.0467796	c1sd = 0.2337
H5: -1.59126e-06	H17: 0.443089	H17f: 0.0260641	c1ed = -3.1535
H7: -1.66121e-06	H19: 0.221767	H19f: 0.011672	c2sd = 0.3895
H9: -1.57766e-06	H21: 0.0341145	H21f: 0.0016245	c2ed = -0.9365
H11: -1.53562e-06	H23: 0.00285246	H23f: 0.00012402	c3sd = 0.5601
H13: -3.01304e-07	H25: -0.0021681	H25f: -8.67239e-05	c3ed = -0.6941
	H27: 0.0195923	H27f: 0.00072564	c4sd = 0.5376
	H29: -0.219744	H29f: -0.00757737	c4ed = 0.0
	H31: -0.0474907	H31f: -0.00153196	varx = 1.1766%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000576436%			
First strong harmonics:	15 and 17			
Pulses per sine cycle:	14			
Total switching events:	28			
Delta Friendly:	No			

P1 start: 19.3489   end: 24.4575   delta: 5.1086
P2 start: 39.2041   end: 48.9774   delta: 9.7733
P3 start: 60.1185   end: 73.4883   delta: 13.3698
P4 start: 82.5875   end: 90.0   delta: 7.4125

H3: -2.40924e-07	H15: -0.692499	H15f: -0.0461666
H5: -1.95148e-06	H17: 0.427353	H17f: 0.0251384
H7: -2.21994e-06	H19: 0.225969	H19f: 0.0118931
H9: -3.81463e-06	H21: 0.0361821	H21f: 0.00172296
H11: -1.92739e-06	H23: 0.00314951	H23f: 0.000136935
H13: -2.48337e-06	H25: -0.00240382	H25f: -9.61527e-05
	H27: 0.0208426	H27f: 0.000771949
	H29: -0.223652	H29f: -0.00771214
	H31: -0.0341617	H31f: -0.00110199

c1sd = 0.273
c1ed = -3.3187
c2sd = 0.4603
c2ed = -1.0788
c3sd = 0.6545
c3ed = -0.8478
c4sd = 0.6607
c4ed = 0.0
varx = 1.1997%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000161504%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.2917	end: 24.4697	delta: 5.178
P2 start: 39.0955	end: 49.012	delta: 9.9164
P3 start: 59.9766	end: 73.5683	delta: 13.5917
P4 start: 82.4546	end: 90.0	delta: 7.5454

H3: -1.58106e-07	H15: -0.683191	H15f: -0.045546	c1sd = 0.2581
H5: -8.30058e-07	H17: 0.411491	H17f: 0.0242054	c1ed = -3.3852
H7: -5.92898e-07	H19: 0.23005	H19f: 0.0121079	c2sd = 0.4304
H9: -1.04087e-06	H21: 0.0383356	H21f: 0.00182551	c2ed = -1.1229
H11: -5.17439e-07	H23: 0.00348331	H23f: 0.000151448	c3sd = 0.616
H13: -4.37833e-07	H25: -0.00265263	H25f: -0.000106105	c3ed = -0.8711
	H27: 0.0221574	H27f: 0.000820644	c4sd = 0.64
	H29: -0.227404	H29f: -0.00784151	c4ed = 0.0
	H31: -0.0215657	H31f: -0.000695667	varx = 1.2223%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	6.98982e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.2343	end: 24.481	delta: 5.2467
P2 start: 38.9863	end: 49.0448	delta: 10.0586
P3 start: 59.8332	end: 73.6473	delta: 13.814
P4 start: 82.3205	end: 90.0	delta: 7.6795

H3: 1.55674e-07	H15: -0.673756	H15f: -0.0449171	c1sd = 0.2316
H5: -2.80213e-07	H17: 0.395531	H17f: 0.0232666	c1ed = -3.4312
H7: -4.00304e-07	H19: 0.234004	H19f: 0.012316	c2sd = 0.3784
H9: -3.76212e-07	H21: 0.0405723	H21f: 0.00193201	c2ed = -1.1473
H11: -2.65353e-07	H23: 0.00384271	H23f: 0.000167075	c3sd = 0.548
H13: -1.16755e-07	H25: -0.00292885	H25f: -0.000117154	c3ed = -0.8675
	H27: 0.0235214	H27f: 0.000871162	c4sd = 0.5877
	H29: -0.230985	H29f: -0.00796501	c4ed = 0.0
	H31: -0.00971442	H31f: -0.000313369	varx = 1.2443%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000116829%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.1767	end: 24.4913	delta: 5.3147
P2 start: 38.8762	end: 49.0759	delta: 10.1997
P3 start: 59.6883	end: 73.7251	delta: 14.0369
P4 start: 82.1851	end: 90.0	delta: 7.8149

H3: -1.14986e-07	H15: -0.664198	H15f: -0.0442798	c1sd = 0.269
H5: -6.20926e-07	H17: 0.379475	H17f: 0.022322	c1ed = -3.5974
H7: -3.12106e-07	H19: 0.237821	H19f: 0.0125169	c2sd = 0.4449
H9: -4.72722e-07	H21: 0.0428943	H21f: 0.00204259	c2ed = -1.2929
H11: -6.58558e-07	H23: 0.00423127	H23f: 0.000183968	c3sd = 0.6351
H13: -4.59945e-07	H25: -0.00323122	H25f: -0.000129249	c3ed = -1.0218
	H27: 0.024938	H27f: 0.000923629	c4sd = 0.7043
	H29: -0.234384	H29f: -0.00808221	c4ed = 0.0
	H31: 0.00136166	H31f: 4.39246e-05	varx = 1.2656%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000708994%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.1189	end: 24.5008	delta: 5.3819
P2 start: 38.7652	end: 49.105	delta: 10.3398
P3 start: 59.5416	end: 73.8018	delta: 14.2601
P4 start: 82.0484	end: 90.0	delta: 7.9516

H3: -8.30648e-07	H15: -0.654509	H15f: -0.0436339	c_{1sd} = 0.2813
H5: -1.65374e-06	H17: 0.363336	H17f: 0.0213727	c_{1ed} = -3.7182
H7: -3.25247e-06	H19: 0.241496	H19f: 0.0127103	c_{2sd} = 0.4642
H9: -4.66925e-06	H21: 0.0453013	H21f: 0.0021572	c_{2ed} = -1.3939
H11: -2.84205e-06	H23: 0.00464746	H23f: 0.000202064	c_{3sd} = 0.6597
H13: -2.5268e-06	H25: -0.00356844	H25f: -0.000142738	c_{3ed} = -1.1164
	H27: 0.026401	H27f: 0.000977815	c_{4sd} = 0.7534
	H29: -0.237584	H29f: -0.00819256	c_{4ed} = 0.0
	H31: 0.0116425	H31f: 0.000375566	$varx$ = 1.2863%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	5.47916e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.0604	end: 24.5089	delta: 5.4485
P2 start: 38.6533	end: 49.1321	delta: 10.4788
P3 start: 59.3932	end: 73.877	delta: 14.4838
P4 start: 81.9101	end: 90.0	delta: 8.0899

H3: 3.72015e-08	H15: -0.644717	H15f: -0.0429811	c_{1sd} = 0.2207
H5: -8.92835e-08	H17: 0.34708	H17f: 0.0204165	c_{1ed} = -3.7062
H7: -3.50757e-07	H19: 0.24501	H19f: 0.0128953	c_{2sd} = 0.3484
H9: -9.92039e-08	H21: 0.0478038	H21f: 0.00227637	c_{2ed} = -1.363
H11: -3.44959e-07	H23: 0.00511844	H23f: 0.000222541	c_{3sd} = 0.5062
H13: -1.97454e-07	H25: -0.00391525	H25f: -0.00015661	c_{3ed} = -1.036
	H27: 0.0279374	H27f: 0.00103472	c_{4sd} = 0.6096
	H29: -0.240572	H29f: -0.00829558	c_{4ed} = 0.0
	H31: 0.0210759	H31f: 0.000679867	varx = 1.3063%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.00017675%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 19.0018	end: 24.5161	delta: 5.5142
P2 start: 38.5406	end: 49.1572	delta: 10.6166
P3 start: 59.2429	end: 73.9508	delta: 14.7079
P4 start: 81.7702	end: 90.0	delta: 8.2298

H3: -1.09987e-07	H15: -0.63479	H15f: -0.0423193	c_1sd = 0.182
H5: -3.73956e-07	H17: 0.330759	H17f: 0.0194564	c_1ed = -3.736
H7: -7.85621e-07	H19: 0.248364	H19f: 0.0130718	c_2sd = 0.2726
H9: -1.07543e-06	H21: 0.0503918	H21f: 0.00239961	c_2ed = -1.3749
H11: -9.69885e-07	H23: 0.00561738	H23f: 0.000244234	c_3sd = 0.4045
H13: -5.07632e-07	H25: -0.00430408	H25f: -0.000172163	c_3ed = -1.0107
	H27: 0.0295152	H27f: 0.00109316	c_4sd = 0.5225
	H29: -0.243331	H29f: -0.00839072	c_4ed = 0.0
	H31: 0.0296664	H31f: 0.00095698	varx = 1.3256%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.7	
Actual Amplitude:	0.7	
Actual Power:	0.49	
Distortion 2H-14H:	2.94028e-05%	
First strong harmonics:	15 and 17	
Pulses per sine cycle:	14	
Total switching events:	28	
Delta Friendly:	No	

P1 start: 18.9428	end: 24.522	delta: 5.5792
P2 start: 38.4268	end: 49.18	delta: 10.7531
P3 start: 59.0906	end: 74.0231	delta: 14.9325
P4 start: 81.6286	end: 90.0	delta: 8.3714

H3: 0.0	H15: -0.624743	H15f: -0.0416495	c1sd = 0.2523
H5: -4.33663e-08	H17: 0.314352	H17f: 0.0184913	c1ed = -3.9704
H7: -1.23904e-07	H19: 0.251542	H19f: 0.0132391	c2sd = 0.3992
H9: -1.20462e-08	H21: 0.0530729	H21f: 0.00252728	c2ed = -1.5924
H11: -2.56255e-07	H23: 0.00616526	H23f: 0.000268055	c3sd = 0.5682
H13: -5.83777e-08	H25: -0.00472068	H25f: -0.000188827	c3ed = -1.2544
	H27: 0.0311507	H27f: 0.00115373	c4sd = 0.724
	H29: -0.245844	H29f: -0.00847738	c4ed = 0.0
	H31: 0.0373756	H31f: 0.00120566	varx = 1.3441%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.71
Actual Amplitude:	0.71
Actual Power:	0.5041
Distortion 2H-14H:	5.77745e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.8835	end: 24.5269	delta: 5.6433
P2 start: 38.3121	end: 49.2004	delta: 10.8883
P3 start: 58.9363	end: 74.0937	delta: 15.1574
P4 start: 81.4852	end: 90.0	delta: 8.5148

H3: -1.06889e-07	H15: -0.61457	H15f: -0.0409713	c1sd = 0.2099
H5: -2.13778e-07	H17: 0.297877	H17f: 0.0175222	c1ed = -3.9968
H7: -2.29047e-07	H19: 0.254538	H19f: 0.0133967	c2sd = 0.3158
H9: -3.80049e-07	H21: 0.0558454	H21f: 0.0026593	c2ed = -1.6033
H11: -2.23495e-07	H23: 0.00675671	H23f: 0.00029377	c3sd = 0.455
H13: -1.72666e-07	H25: -0.00517478	H25f: -0.000206991	c3ed = -1.225
	H27: 0.0328337	H27f: 0.00121606	c4sd = 0.6252
	H29: -0.248094	H29f: -0.00855495	c4ed = 0.0
	H31: 0.0441852	H31f: 0.00142533	varx = 1.3618%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	9.17296e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.8239	end: 24.5305	delta: 5.7066
P2 start: 38.1964	end: 49.2184	delta: 11.0221
P3 start: 58.7798	end: 74.1624	delta: 15.3827
P4 start: 81.3397	end: 90.0	delta: 8.6603

H3: -2.45943e-07	H15: -0.604271	H15f: -0.0402847	c_{1sd} = 0.2212
H5: -5.90263e-07	H17: 0.281331	H17f: 0.0165489	c_{1ed} = -4.1251
H7: -3.61386e-07	H19: 0.25734	H19f: 0.0135442	c_{2sd} = 0.332
H9: -5.15309e-07	H21: 0.058711	H21f: 0.00279576	c_{2ed} = -1.7172
H11: -1.53315e-07	H23: 0.00739974	H23f: 0.000321728	c_{3sd} = 0.4719
H13: 1.13512e-07	H25: -0.00566538	H25f: -0.000226615	c_{3ed} = -1.3297
	H27: 0.0345668	H27f: 0.00128025	c_{4sd} = 0.668
	H29: -0.250061	H29f: -0.00862279	c_{4ed} = 0.0
	H31: 0.0500709	H31f: 0.00161519	varx = 1.3786%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	2.10017e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.7638	end: 24.5328	delta: 5.769
P2 start: 38.0795	end: 49.2338	delta: 11.1543
P3 start: 58.6209	end: 74.2291	delta: 15.6082
P4 start: 81.192	end: 90.0	delta: 8.808

H3: 1.38614e-07	H15: -0.593847	H15f: -0.0395898	c1sd = 0.1635
H5: -4.15841e-08	H17: 0.264721	H17f: 0.0155718	c1ed = -4.1272
H7: -5.94059e-08	H19: 0.259937	H19f: 0.0136809	c2sd = 0.2195
H9: -1.15511e-07	H21: 0.0616717	H21f: 0.00293675	c2ed = -1.7062
H11: -7.56075e-08	H23: 0.00809962	H23f: 0.000352157	c3sd = 0.3189
H13: -2.39908e-08	H25: -0.00619336	H25f: -0.000247734	c3ed = -1.2688
	H27: 0.0363475	H27f: 0.0013462	c4sd = 0.5266
	H29: -0.251725	H29f: -0.00868016	c4ed = 0.0
	H31: 0.0550082	H31f: 0.00177446	varx = 1.3945%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	4.80318e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.7033	end: 24.5338	delta: 5.8304
P2 start: 37.9615	end: 49.2464	delta: 11.2849
P3 start: 58.4596	end: 74.2936	delta: 15.834
P4 start: 81.0419	end: 90.0	delta: 8.9581

H3: 1.70926e-07	H15: -0.583292	H15f: -0.0388861	c1sd = 0.176
H5: -2.25622e-07	H17: 0.248053	H17f: 0.0145913	c1ed = -4.2617
H7: -2.05111e-07	H19: 0.262319	H19f: 0.0138062	c2sd = 0.237
H9: -1.70926e-07	H21: 0.0647267	H21f: 0.00308223	c2ed = -1.8291
H11: -2.51727e-07	H23: 0.00885799	H23f: 0.00038513	c3sd = 0.3356
H13: -1.26222e-07	H25: -0.00676383	H25f: -0.000270553	c3ed = -1.3824
	H27: 0.0381708	H27f: 0.00141373	c4sd = 0.5698
	H29: -0.253063	H29f: -0.00872633	c4ed = 0.0
	H31: 0.0589792	H31f: 0.00190255	varx = 1.4095%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.562499
Distortion 2H-14H:	5.49039e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.6424	end: 24.5334	delta: 5.8909
P2 start: 37.8424	end: 49.256	delta: 11.4137
P3 start: 58.2957	end: 74.3556	delta: 16.0599
P4 start: 80.8892	end: 90.0	delta: 9.1108

H3: -2.02376e-07	H15: -0.572606	H15f: -0.0381738	c1sd = 0.1867
H5: -4.04752e-08	H17: 0.23133	H17f: 0.0136076	c1ed = -4.3953
H7: -3.4693e-07	H19: 0.264474	H19f: 0.0139197	c2sd = 0.251
H9: -1.01188e-07	H21: 0.0678769	H21f: 0.00323223	c2ed = -1.9526
H11: -3.49559e-07	H23: 0.00968179	H23f: 0.000420947	c3sd = 0.3468
H13: 7.7837e-08	H25: -0.00737777	H25f: -0.000295111	c3ed = -1.4954
	H27: 0.0400333	H27f: 0.00148272	c4sd = 0.6071
	H29: -0.254054	H29f: -0.00876047	c4ed = 0.0
	H31: 0.0619612	H31f: 0.00199875	varx = 1.4234%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000173439%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.5812	end: 24.5315	delta: 5.9504
P2 start: 37.7219	end: 49.2625	delta: 11.5406
P3 start: 58.129	end: 74.415	delta: 16.286
P4 start: 80.7335	end: 90.0	delta: 9.2665

H_3: -4.65997e-07	H_{15}: -0.561785	$H_{15}f$: -0.0374523	$c_{1}sd$ = 0.1026
H_5: -3.99426e-07	H_{17}: 0.214558	$H_{17}f$: 0.0126211	$c_{1}ed$ = -4.3546
H_7: -9.12975e-07	H_{19}: 0.266391	$H_{19}f$: 0.0140206	$c_{2}sd$ = 0.088
H_9: -1.04295e-06	H_{21}: 0.0711247	$H_{21}f$: 0.00338689	$c_{2}ed$ = -1.9036
H_{11}: -6.89918e-07	H_{23}: 0.0105735	$H_{23}f$: 0.000459717	$c_{3}sd$ = 0.1241
H_{13}: -4.8392e-07	H_{25}: -0.00803821	$H_{25}f$: -0.000321528	$c_{3}ed$ = -1.3801
	H_{27}: 0.0419274	$H_{27}f$: 0.00155287	$c_{4}sd$ = 0.3908
	H_{29}: -0.25467	$H_{29}f$: -0.00878171	$c_{4}ed$ = 0.0
	H_{31}: 0.0639379	$H_{31}f$: 0.00206251	$varx$ = 1.4364%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	0.000113987%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.5193	end: 24.5281	delta: 6.0088
P2 start: 37.6002	end: 49.2656	delta: 11.6655
P3 start: 57.9593	end: 74.4713	delta: 16.512
P4 start: 80.5747	end: 90.0	delta: 9.4253

H3: 0.0	H15: -0.550829	H15f: -0.0367219
H5: -3.94239e-07	H17: 0.197735	H17f: 0.0116314
H7: -3.09759e-07	H19: 0.268055	H19f: 0.0141082
H9: -7.77527e-07	H21: 0.0744709	H21f: 0.00354624
H11: -6.00318e-07	H23: 0.0115438	H23f: 0.000501903
H13: -2.88098e-07	H25: -0.00874347	H25f: -0.000349739
	H27: 0.0438523	H27f: 0.00162416
	H29: -0.254884	H29f: -0.0087891
	H31: 0.0648859	H31f: 0.00209309

c1sd = 0.066
c1ed = -4.405
c2sd = 0.0132
c2ed = -1.9474
c3sd = 0.0162
c3ed = -1.3856
c4sd = 0.299
c4ed = 0.0
varx = 1.4482%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	3.64743e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.457	end: 24.5231	delta: 6.0661
P2 start: 37.477	end: 49.2652	delta: 11.7882
P3 start: 57.7864	end: 74.5243	delta: 16.7379
P4 start: 80.4123	end: 90.0	delta: 9.5877

H3: -6.48641e-08	H15: -0.539731	H15f: -0.0359821	c_{1sd} = 0.1143
H5: -1.94592e-07	H17: 0.180866	H17f: 0.0106392	c_{1ed} = -4.6155
H7: -2.22391e-07	H19: 0.269455	H19f: 0.0141819	c_{2sd} = 0.0956
H9: -1.18918e-07	H21: 0.0779144	H21f: 0.00371021	c_{2ed} = -2.1534
H11: -1.59212e-07	H23: 0.0125983	H23f: 0.000547753	c_{3sd} = 0.1135
H13: -4.49059e-08	H25: -0.0094984	H25f: -0.000379936	c_{3ed} = -1.6027
	H27: 0.0457963	H27f: 0.00169616	c_{4sd} = 0.4299
	H29: -0.254666	H29f: -0.00878159	c_{4ed} = 0.0
	H31: 0.0647892	H31f: 0.00208998	$varx$ = 1.459%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.790001
Actual Power:	0.624101
Distortion 2H-14H:	0.000107956%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.3941	end: 24.5163	delta: 6.1222
P2 start: 37.3524	end: 49.2609	delta: 11.9085
P3 start: 57.6102	end: 74.5736	delta: 16.9634
P4 start: 80.2459	end: 90.0	delta: 9.7541

H3: -3.20215e-08	H15: -0.528486	H15f: -0.0352324	c1sd = 0.1355
H5: -5.37961e-07	H17: 0.163958	H17f: 0.00964459	c1ed = -4.7784
H7: 1.37235e-07	H19: 0.270577	H19f: 0.0142409	c2sd = 0.1271
H9: -8.75254e-07	H21: 0.081458	H21f: 0.00387895	c2ed = -2.3139
H11: -5.23988e-08	H23: 0.0137399	H23f: 0.000597386	c3sd = 0.1425
H13: -2.95583e-07	H25: -0.0103043	H25f: -0.000412171	c3ed = -1.7588
	H27: 0.0477487	H27f: 0.00176847	c4sd = 0.4864
	H29: -0.253984	H29f: -0.00875806	c4ed = 0.0
	H31: 0.063633	H31f: 0.00205268	varx = 1.4685%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	6.03099e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.3307	end: 24.5078	delta: 6.1771
P2 start: 37.2261	end: 49.2525	delta: 12.0263
P3 start: 57.4303	end: 74.6186	delta: 17.1883
P4 start: 80.0751	end: 90.0	delta: 9.9249

H3: -1.58106e-07	H15: -0.51709	H15f: -0.0344727	c1sd = 0.08
H5: -3.79455e-08	H17: 0.147012	H17f: 0.00864776	c1ed = -4.8017
H7: -3.79455e-07	H19: 0.271408	H19f: 0.0142846	c2sd = 0.0156
H9: -1.89727e-07	H21: 0.0850976	H21f: 0.00405227	c2ed = -2.337
H11: -2.32847e-07	H23: 0.0149818	H23f: 0.000651381	c3sd = -0.0179
H13: -3.21077e-07	H25: -0.0111637	H25f: -0.00044655	c3ed = -1.7332
	H27: 0.0496994	H27f: 0.00184072	c4sd = 0.2945
	H29: -0.2528	H29f: -0.00871725	c4ed = 0.0
	H31: 0.0613987	H31f: 0.0019806	varx = 1.4768%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	7.37948e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.2667	end: 24.4974	delta: 6.2307
P2 start: 37.0982	end: 49.2396	delta: 12.1414
P3 start: 57.2465	end: 74.6589	delta: 17.4124
P4 start: 79.8993	end: 90.0	delta: 10.1007

H3: -6.24617e-08	H15: -0.505535	H15f: -0.0337023	c1sd = 0.0966
H5: -3.37293e-07	H17: 0.130027	H17f: 0.00764864	c1ed = -4.962
H7: -1.87385e-07	H19: 0.271927	H19f: 0.014312	c2sd = 0.0376
H9: -5.62155e-07	H21: 0.0888397	H21f: 0.00423046	c2ed = -2.4998
H11: -1.7035e-07	H23: 0.0163275	H23f: 0.000709892	c3sd = -0.0047
H13: -2.16214e-07	H25: -0.0120743	H25f: -0.000482972	c3ed = -1.8899
	H27: 0.0516333	H27f: 0.00191235	c4sd = 0.3317
	H29: -0.251077	H29f: -0.00865782	c4ed = 0.0
	H31: 0.0580731	H31f: 0.00187333	varx = 1.4838%.

STEP-LOCKED MAGIC SINEWAVE AEXC14 - 82/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. Harmonic amplitudes are relative to the fundamental. Filtered "f" harmonics assume a filter of an "integrating" or 1/H or 1/f response. An 0.001 degree or better timing accuracy is required.

Desired Amplitude:	0.82
Actual Amplitude:	0.82
Actual Power:	0.6724
Distortion 2H-14H:	6.24102e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.202	end: 24.485	delta: 6.283
P2 start: 36.9685	end: 49.2219	delta: 12.2534
P3 start: 57.0584	end: 74.6937	delta: 17.6353
P4 start: 79.7179	end: 90.0	delta: 10.2821

H3: -2.468e-07	H15: -0.493814	H15f: -0.0329209	c1sd = 0.0061
H5: -3.3318e-07	H17: 0.113003	H17f: 0.00664722	c1ed = -4.9265
H7: -2.64429e-07	H19: 0.272122	H19f: 0.0143222	c2sd = -0.14
H9: -2.26233e-07	H21: 0.0926811	H21f: 0.00441338	c2ed = -2.4696
H11: -2.86064e-07	H23: 0.0177903	H23f: 0.00077349	c3sd = -0.2557
H13: -1.21027e-07	H25: -0.013037	H25f: -0.000521481	c3ed = -1.7922
	H27: 0.053534	H27f: 0.00198274	c4sd = 0.0823
	H29: -0.248768	H29f: -0.00857822	c4ed = 0.0
	H31: 0.0536408	H31f: 0.00173035	varx = 1.4895%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.688901
Distortion 2H-14H:	0.000114178%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.1366	end: 24.4704	delta: 6.3339
P2 start: 36.8369	end: 49.1991	delta: 12.3622
P3 start: 56.8657	end: 74.7224	delta: 17.8566
P4 start: 79.5301	end: 90.0	delta: 10.4699

H3: 1.8287e-07	H15: -0.481915	H15f: -0.0321276	c_1sd = 0.1063
H5: -4.75461e-07	H17: 0.0959422	H17f: 0.00564366	c_1ed = -5.2488
H7: -3.6574e-07	H19: 0.271972	H19f: 0.0143143	c_2sd = 0.0361
H9: -5.3845e-07	H21: 0.0966237	H21f: 0.00460113	c_2ed = -2.8001
H11: -5.65234e-07	H23: 0.0193772	H23f: 0.000842489	c_3sd = -0.0439
H13: -5.48609e-07	H25: -0.0140504	H25f: -0.000562016	c_3ed = -2.168
	H27: 0.055378	H27f: 0.00205104	c_4sd = 0.3319
	H29: -0.245826	H29f: -0.00847677	c_4ed = 0.0
	H31: 0.0480913	H31f: 0.00155133	$varx$ = 1.4938%.

STEP-LOCKED MAGIC SINEWAVE   AEXC14 - 84/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	3.43046e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 18.0703	end: 24.4535	delta: 6.3832
P2 start: 36.7031	end: 49.1706	delta: 12.4675
P3 start: 56.6681	end: 74.7439	delta: 18.0758
P4 start: 79.3349	end: 90.0	delta: 10.6651

H3: -9.03464e-08	H15: -0.46983	H15f: -0.031322	c1sd = 0.0123
H5: -7.22771e-08	H17: 0.0788375	H17f: 0.0046375	c1ed = -5.2139
H7: -2.58133e-07	H19: 0.271456	H19f: 0.0142872	c2sd = -0.1494
H9: -7.02694e-08	H21: 0.100668	H21f: 0.0047937	c2ed = -2.7768
H11: -1.4784e-07	H23: 0.0211026	H23f: 0.000917506	c3sd = -0.3096
H13: -1.04246e-07	H25: -0.0151088	H25f: -0.000604354	c3ed = -2.0785
	H27: 0.0571445	H27f: 0.00211646	c4sd = 0.0631
	H29: -0.242195	H29f: -0.00835154	c4ed = 0.0
	H31: 0.0414088	H31f: 0.00133577	varx = 1.4966%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	3.01776e-05%	
First strong harmonics:	15 and 17	
Pulses per sine cycle:	14	
Total switching events:	28	
Delta Friendly:	No	

P1 start: 18.0033	end: 24.4341	delta: 6.4309
P2 start: 36.5671	end: 49.136	delta: 12.5689
P3 start: 56.465	end: 74.7571	delta: 18.2921
P4 start: 79.1313	end: 90.0	delta: 10.8687

H3: 0.0	H15: -0.45754	H15f: -0.0305027	c1sd = -0.0154
H5: -8.92835e-08	H17: 0.0616902	H17f: 0.00362883	c1ed = -5.3065
H7: -1.27548e-07	H19: 0.270553	H19f: 0.0142396	c2sd = -0.2122
H9: -1.58726e-07	H21: 0.104816	H21f: 0.00499123	c2ed = -2.8847
H11: -1.62334e-07	H23: 0.0229735	H23f: 0.000998849	c3sd = -0.4165
H13: -1.23623e-07	H25: -0.0162089	H25f: -0.000648357	c3ed = -2.1615
	H27: 0.0587964	H27f: 0.00217765	c4sd = -0.0365
	H29: -0.237812	H29f: -0.00820042	c4ed = 0.0
	H31: 0.0335882	H31f: 0.00108349	varx = 1.4979%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	2.07668e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 17.9353	end: 24.4121	delta: 6.4768
P2 start: 36.4286	end: 49.0946	delta: 12.666
P3 start: 56.2559	end: 74.7606	delta: 18.5047
P4 start: 78.9178	end: 90.0	delta: 11.0822

H3: -2.94151e-08	H15: -0.445032	H15f: -0.0296688
H5: 3.52981e-08	H17: 0.0444881	H17f: 0.00261695
H7: -5.04259e-08	H19: 0.269236	H19f: 0.0141703
H9: 9.80504e-08	H21: 0.109068	H21f: 0.00519374
H11: -4.81338e-08	H23: 0.0250065	H23f: 0.00108724
H13: 1.62914e-07	H25: -0.01734	H25f: -0.000693602
	H27: 0.0602993	H27f: 0.00223331
	H29: -0.232607	H29f: -0.00802094
	H31: 0.0246173	H31f: 0.000794106

$c_1sd = -0.0423$
$c_1ed = -5.405$
$c_2sd = -0.2744$
$c_2ed = -3.0025$
$c_3sd = -0.5251$
$c_3ed = -2.2584$
$c_4sd = -0.1414$
$c_4ed = 0.0$
$varx = 1.4976\%.$

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	7.62372e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 17.8663	end: 24.3871	delta: 6.5208
P2 start: 36.2873	end: 49.0457	delta: 12.7584
P3 start: 56.0402	end: 74.7526	delta: 18.7124
P4 start: 78.6927	end: 90.0	delta: 11.3073

H3: -5.8154e-08	H15: -0.43228	H15f: -0.0288187	c1sd = -0.0174
H5: -1.91908e-07	H17: 0.0272279	H17f: 0.00160164	c1ed = -5.6044
H7: -4.98463e-07	H19: 0.267479	H19f: 0.0140778	c2sd = -0.2412
H9: -3.78001e-07	H21: 0.113429	H21f: 0.00540137	c2ed = -3.2258
H11: -3.17204e-07	H23: 0.0272098	H23f: 0.00118303	c3sd = -0.5115
H13: -2.21433e-07	H25: -0.0184909	H25f: -0.000739636	c3ed = -2.4957
	H27: 0.0616013	H27f: 0.00228153	c4sd = -0.1186
	H29: -0.226499	H29f: -0.00781031	c4ed = 0.0
	H31: 0.014493	H31f: 0.000467517	varx = 1.4956%.

STEP-LOCKED MAGIC SINEWAVE   AEXC14 - 88/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	6.30079e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 17.796	end: 24.3589	delta: 6.5628
P2 start: 36.143	end: 48.9885	delta: 12.8455
P3 start: 55.8171	end: 74.731	delta: 18.9138
P4 start: 78.4538	end: 90.0	delta: 11.5462

H3: -2.87466e-07	H15: -0.419261	H15f: -0.0279507	c1sd = -0.0132
H5: -1.89727e-07	H17: 0.00988774	H17f: 0.000581632	c1ed = -5.771
H7: -2.46399e-07	H19: 0.265244	H19f: 0.0139602	c2sd = -0.2472
H9: -3.64123e-07	H21: 0.117903	H21f: 0.00561442	c2ed = -3.4213
H11: -2.35199e-07	H23: 0.0295999	H23f: 0.00128695	c3sd = -0.5527
H13: -1.7248e-07	H25: -0.0196382	H25f: -0.000785529	c3ed = -2.6993
	H27: 0.0626482	H27f: 0.0023203	c4sd = -0.1608
	H29: -0.219392	H29f: -0.00756523	c4ed = 0.0
	H31: 0.00320795	H31f: 0.000103482	varx = 1.4919%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	2.0872e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 17.7244	end: 24.327	delta: 6.6026
P2 start: 35.9952	end: 48.9221	delta: 12.9268
P3 start: 55.5858	end: 74.6927	delta: 19.1069
P4 start: 78.1983	end: 90.0	delta: 11.8017

H3: 2.84236e-08	H15: -0.405939	H15f: -0.0270626	c1sd = 0.008
H5: -1.36433e-07	H17: -0.00754995	H17f: -0.000444115	c1ed = -5.9752
H7: -2.43631e-08	H19: 0.262492	H19f: 0.0138153	c2sd = -0.2226
H9: -1.32643e-07	H21: 0.122498	H21f: 0.00583323	c2ed = -3.6601
H11: 6.20151e-08	H23: 0.0321887	H23f: 0.00139951	c3sd = -0.5573
H13: -4.5915e-08	H25: -0.0207543	H25f: -0.000830172	c3ed = -2.9641
	H27: 0.0633639	H27f: 0.00234681	c4sd = -0.1713
	H29: -0.211175	H29f: -0.0072819	c4ed = 0.0
	H31: -0.00923469	H31f: -0.000297893	varx = 1.4862%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	3.52416e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 17.6513	end: 24.2912	delta: 6.6399
P2 start: 35.8435	end: 48.8451	delta: 13.0015
P3 start: 55.3452	end: 74.6342	delta: 19.289
P4 start: 77.9226	end: 90.0	delta: 12.0774

H3: -1.12431e-07	H15: -0.392269	H15f: -0.0261513	$c_{1}sd$ = -0.0044
H5: -1.51782e-07	H17: -0.0251126	H17f: -0.00147721	$c_{1}ed$ = -6.1238
H7: -2.40924e-08	H19: 0.259174	H19f: 0.0136407	$c_{2}sd$ = -0.2615
H9: -2.43601e-07	H21: 0.127226	H21f: 0.00605839	$c_{2}ed$ = -3.8499
H11: -1.53315e-07	H23: 0.0349849	H23f: 0.00152108	$c_{3}sd$ = -0.6497
H13: 7.13505e-08	H25: -0.0217994	H25f: -0.000871978	$c_{3}ed$ = -3.171
	H27: 0.0636541	H27f: 0.00235756	$c_{4}sd$ = -0.2867
	H29: -0.201718	H29f: -0.00695579	$c_{4}ed$ = 0.0
	H31: -0.0228295	H31f: -0.000736436	$varx$ = 1.4786%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	1.49558e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 17.5764	end: 24.2508	delta: 6.6743
P2 start: 35.6873	end: 48.7561	delta: 13.0687
P3 start: 55.0938	end: 74.5504	delta: 19.4566
P4 start: 77.6218	end: 90.0	delta: 12.3782

H3: -1.11196e-07	H15: -0.378194	H15f: -0.0252129	c1sd = -0.0376
H5: 5.0038e-08	H17: -0.042843	H17f: -0.00252018	c1ed = -6.2418
H7: 2.38276e-08	H19: 0.255226	H19f: 0.013433	c2sd = -0.3401
H9: -9.2663e-09	H21: 0.132109	H21f: 0.00629089	c2ed = -4.0165
H11: -3.03261e-08	H23: 0.0379968	H23f: 0.00165203	c3sd = -0.799
H13: -7.69816e-08	H25: -0.0227122	H25f: -0.000908489	c3ed = -3.3568
	H27: 0.0633993	H27f: 0.00234812	c4sd = -0.4772
	H29: -0.190862	H29f: -0.00658145	c4ed = 0.0
	H31: -0.0375585	H31f: -0.00121156	varx = 1.4688%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	5.81989e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 17.4994	end: 24.205	delta: 6.7056
P2 start: 35.5258	end: 48.653	delta: 13.1272
P3 start: 54.8299	end: 74.4346	delta: 19.6047
P4 start: 77.2894	end: 90.0	delta: 12.7106

H3: -1.92477e-07	H15: -0.363634	H15f: -0.0242423	c1sd = -0.0466
H5: -3.13463e-07	H17: -0.0607965	H17f: -0.00357627	c1ed = -6.4139
H7: -1.6498e-07	H19: 0.250565	H19f: 0.0131877	c2sd = -0.3753
H9: -3.75789e-07	H21: 0.137182	H21f: 0.00653247	c2ed = -4.246
H11: -1.79979e-07	H23: 0.0412217	H23f: 0.00179225	c3sd = -0.8968
H13: -5.07632e-08	H25: -0.0234082	H25f: -0.000936329	c3ed = -3.6387
	H27: 0.0624428	H27f: 0.0023127	c4sd = -0.6299
	H29: -0.178418	H29f: -0.00615236	c4ed = 0.0
	H31: -0.0533824	H31f: -0.00172201	varx = 1.4567%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	5.92584e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 17.4197	end: 24.1529	delta: 6.7332
P2 start: 35.3577	end: 48.5333	delta: 13.1755
P3 start: 54.5511	end: 74.2774	delta: 19.7263
P4 start: 76.9164	end: 90.0	delta: 13.0836

H3: 1.36005e-07	H15: -0.348479	H15f: -0.0232319	c1sd = -0.0396
H5: -9.79239e-08	H17: -0.0790582	H17f: -0.00465048	c1ed = -6.6271
H7: -1.39891e-07	H19: 0.245073	H19f: 0.0128986	c2sd = -0.3822
H9: -1.99475e-07	H21: 0.142503	H21f: 0.00678587	c2ed = -4.5268
H11: -3.85761e-07	H23: 0.0446474	H23f: 0.00194119	c3sd = -0.9639
H13: -3.38967e-07	H25: -0.02376	H25f: -0.000950399	c3ed = -4.0076
	H27: 0.0605816	H27f: 0.00224376	c4sd = -0.774
	H29: -0.164152	H29f: -0.00566041	c4ed = 0.0
	H31: -0.0702277	H31f: -0.00226541	varx = 1.442%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	3.55576e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 17.3367	end: 24.093	delta: 6.7563
P2 start: 35.1817	end: 48.3931	delta: 13.2114
P3 start: 54.2539	end: 74.0652	delta: 19.8113
P4 start: 76.4895	end: 90.0	delta: 13.5105

H3: -1.88382e-07	H15: -0.332568	H15f: -0.0221712	c1sd = -0.0188
H5: -8.07351e-08	H17: -0.0977501	H17f: -0.00575	c1ed = -6.8799
H7: -2.53739e-07	H19: 0.238575	H19f: 0.0125566	c2sd = -0.3654
H9: -1.07647e-07	H21: 0.148177	H21f: 0.00705606	c2ed = -4.8599
H11: -4.40373e-08	H23: 0.0482338	H23f: 0.00209712	c3sd = -1.0074
H13: -8.07351e-08	H25: -0.023581	H25f: -0.000943241	c3ed = -4.4735
	H27: 0.0575425	H27f: 0.0021312	c4sd = -0.9267
	H29: -0.147779	H29f: -0.00509581	c4ed = 0.0
	H31: -0.0879445	H31f: -0.00283692	varx = 1.4244%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	2.84498e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 17.2494	end: 24.0233	delta: 6.7739
P2 start: 34.9952	end: 48.2271	delta: 13.2319
P3 start: 53.9333	end: 73.7776	delta: 19.8443
P4 start: 75.9892	end: 90.0	delta: 14.0108

H3: 1.06514e-07	H15: -0.315658	H15f: -0.0210439	c1sd = 0.1111
H5: -1.59771e-07	H17: -0.117053	H17f: -0.00688546	c1ed = -7.3534
H7: 6.84731e-08	H19: 0.23079	H19f: 0.0121468	c2sd = -0.1482
H9: -1.33142e-07	H21: 0.154389	H21f: 0.00735184	c2ed = -5.4295
H11: -5.80984e-08	H23: 0.0518992	H23f: 0.00225649	c3sd = -0.7973
H13: -1.3519e-07	H25: -0.0225913	H25f: -0.000903652	c3ed = -5.2917
	H27: 0.0529616	H27f: 0.00196154	c4sd = -0.8531
	H29: -0.128964	H29f: -0.00444702	c4ed = 0.0
	H31: -0.106219	H31f: -0.00342643	varx = 1.4033%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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-14H:	1.72515e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 17.156	end: 23.9401	delta: 6.7841
P2 start: 34.7943	end: 48.0265	delta: 13.2322
P3 start: 53.5812	end: 73.3826	delta: 19.8014
P4 start: 75.3848	end: 90.0	delta: 14.6152

H3: -2.6351e-08	H15: -0.297353	H15f: -0.0198235	c1sd = 0.0086
H5: -9.48638e-08	H17: -0.137252	H17f: -0.00807366	c1ed = -7.4194
H7: -6.77598e-08	H19: 0.221229	H19f: 0.0116436	c2sd = -0.3662
H9: -1.22972e-07	H21: 0.161481	H21f: 0.00768957	c2ed = -5.6131
H11: 1.43733e-08	H23: 0.055488	H23f: 0.00241252	c3sd = -1.1719
H13: 1.2162e-08	H25: -0.0203632	H25f: -0.000814527	c3ed = -5.6643
	H27: 0.046357	H27f: 0.00171693	c4sd = -1.4818
	H29: -0.10734	H29f: -0.00370137	c4ed = 0.0
	H31: -0.124394	H31f: -0.0040127	varx = 1.3777%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.940899		
Distortion 2H-14H:	3.15561e-05%		
First strong harmonics:	15 and 17		
Pulses per sine cycle:	14		
Total switching events:	28		
Delta Friendly:	No		

P1 start: 17.0537	end: 23.8375	delta: 6.7838
P2 start: 34.5721	end: 47.776	delta: 13.2039
P3 start: 53.1833	end: 72.8264	delta: 19.6431
P4 start: 74.6253	end: 90.0	delta: 15.3747

H3: 0.0	H15: -0.276969	H15f: -0.0184646	c1sd = 0.1921
H5: -1.72124e-07	H17: -0.158796	H17f: -0.00934097	c1ed = -8.0532
H7: 1.11769e-07	H19: 0.208936	H19f: 0.0109967	c2sd = -0.0572
H9: -2.34714e-07	H21: 0.170132	H21f: 0.00810154	c2ed = -6.3947
H11: 7.11256e-09	H23: 0.0587244	H23f: 0.00255324	c3sd = -0.8715
H13: -4.81466e-08	H25: -0.0162549	H25f: -0.000650197	c3ed = -6.9187
	H27: 0.0371489	H27f: 0.00137589	c4sd = -1.4863
	H29: -0.0826503	H29f: -0.00285001	c4ed = 0.0
	H31: -0.140976	H31f: -0.00454762	varx = 1.346%.

STEP-LOCKED MAGIC SINEWAVE   AEXC14 - 98/100

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.979998
Actual Power:	0.960396
Distortion 2H-14H:	7.93021e-05%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 16.9363	end: 23.7031	delta: 6.7668
P2 start: 34.3148	end: 47.4456	delta: 13.1308
P3 start: 52.7113	end: 72.0119	delta: 19.3006
P4 start: 73.6189	end: 90.0	delta: 16.3811

H3: 3.35573e-07	H15: -0.253181	H15f: -0.0168787	c1sd = 0.3791
H5: -2.3232e-07	H17: -0.182413	H17f: -0.0107302	c1ed = -8.7531
H7: 3.76137e-07	H19: 0.191792	H19f: 0.0100943	c2sd = 0.251
H9: -4.30222e-07	H21: 0.181756	H21f: 0.00865506	c2ed = -7.2906
H11: -2.3232e-07	H23: 0.06121	H23f: 0.0026613	c3sd = -0.6
H13: 2.85932e-07	H25: -0.00939099	H25f: -0.000375639	c3ed = -8.4767
	H27: 0.0248788	H27f: 0.000921436	c4sd = -1.6889
	H29: -0.0552441	H29f: -0.00190497	c4ed = 0.0
	H31: -0.152439	H31f: -0.0049174	varx = 1.3051%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.989981
Actual Power:	0.980063
Distortion 2H-14H:	0.000222691%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 16.7896	end: 23.508	delta: 6.7184
P2 start: 33.9891	end: 46.9646	delta: 12.9755
P3 start: 52.0989	end: 70.7433	delta: 18.6444
P4 start: 72.1836	end: 90.0	delta: 17.8165

H3: 6.13272e-07	H15: -0.223057	H15f: -0.0148705	c1sd = 0.7781
H5: -1.33387e-06	H17: -0.209162	H17f: -0.0123036	c1ed = -9.9621
H7: 1.42367e-06	H19: 0.164228	H19f: 0.00864356	c2sd = 0.9393
H9: -5.36613e-07	H21: 0.199429	H21f: 0.00949663	c2ed = -8.7855
H11: -3.13605e-07	H23: 0.0629593	H23f: 0.00273736	c3sd = 0.1204
H13: 6.25066e-07	H25: 0.000788861	H25f: 3.15544e-05	c3ed = -11.0783
	H27: 0.0104459	H27f: 0.000386886	c4sd = -1.6831
	H29: -0.0278587	H29f: -0.000960644	c4ed = 0.0
	H31: -0.150093	H31f: -0.00484172	varx = 1.2499%.

SUMMARY: This carrier suppressed steplock-14 "constant amplitude increments" magic sinewave is not delta friendly. Harmonics 2 through 14 are virtually zero. The first major harmonics are the 15th and 17th. 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:	0.999679
Actual Power:	0.999358
Distortion 2H-14H:	0.0012921%
First strong harmonics:	15 and 17
Pulses per sine cycle:	14
Total switching events:	28
Delta Friendly:	No

P1 start: 16.5745	end: 23.1719	delta: 6.5974
P2 start: 33.506	end: 46.1438	delta: 12.6378
P3 start: 51.1721	end: 68.6326	delta: 17.4605
P4 start: 69.9762	end: 90.0	delta: 20.0239

H3: 3.92229e-06
H5: -4.47901e-06
H7: 6.87576e-06
H9: 8.77244e-07
H11: -2.9607e-06
H13: 8.64267e-06

H15: -0.179858
H17: -0.238555
H19: 0.109664
H21: 0.227947
H23: 0.0696048
H25: 0.0101765
H27: 0.00130948
H29: -0.0104116
H31: -0.115931

H15f: -0.0119905
H17f: -0.0140327
H19f: 0.00577177
H21f: 0.0108546
H23f: 0.0030263
H25f: 0.000407061
H27f: 4.84993e-05
H29f: -0.000359021
H31f: -0.0037397

$c_1sd = 1.3309$
$c_1ed = -11.7253$
$c_2sd = 1.8831$
$c_2ed = -11.0333$
$c_3sd = 1.0697$
$c_3ed = -15.065$
$c_4sd = -1.8621$
$c_4ed = 0.0$
$varx = 1.1802\%.$